DEPARTMENT OF THE AIR FORCE
AIR FORCE CIVIL ENGINEER CENTER

December 19, 2025

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SUBJECT: Final 2024 Annual Monitoring Report for Petroleum Spill Site SS067 (Building 789), NYSDEC Spill No. 9810713, Former Griffiss Air Force Base, Rome, New York. December 2025

Accompanying this letter, please find the following document for the former Griffiss Air Force Base for your information and records.

- Final 2024 Annual Monitoring Report for Petroleum Spill Site SS067 (Building 789), NYSDEC Spill No. 9810713, Former Griffiss Air Force Base, Rome, New York. December 2025

Should you have any questions or concerns please contact me at 518-563-2871 or david.farnsworth@us.af.mil.

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Attachment: Final 2024 Annual Monitoring Report for Petroleum Spill Site SS067 (Building 789), NYSDEC Spill No. 9810713, Former Griffiss Air Force Base, Rome, New York. December 2025).

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Final
2024 Annual Monitoring Report for Petroleum Site SS067 (Building 789), NYSDEC Spill No. 9810713 Former Griffiss Air Force Base Rome, New York

December 2025

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ACRONYMS AND ABBREVIATIONS

AECOM	AECOM Technical Services, Inc.
AFB	Air Force Base
AFRPA	Air Force Real Property Agency
AOC	area of concern
AWQ S/GV	Ambient Water Quality Standards and Guidance Values
Bhate	Bhate Environmental Associates, Inc.
CAPE	CAPE Environmental
CSM	conceptual site model
DGI	Data Gap Investigation
DO	dissolved oxygen
FPM	FPM Remediations, Inc.
GEEIA	Ground Electronics Engineering Installations Agency
HRSC	high-resolution site characterization
LCP	lateral control pit
µg/L	microgram per liter
mg/L	milligram per liter
mV	millivolt
No.	number
NYSDEC	New York State Department of Environmental Conservation
ORP	oxidation reduction potential
PFAS	per- and polyfluoroalkyl substances
pH	potential of hydrogen
POL	petroleum, oil, and lubricants
SU	standard unit
SVOC	semi-volatile organic compound
TMB	trimethylbenzene
TOGS	Technical and Operational Guidance Series
TPH	total petroleum hydrocarbons
UST	underground storage tank

VOC	volatile organic compound

1 INTRODUCTION

Environmental Chemical Corporation and team member Bhate Environmental Associates, Inc. (Bhate) have been retained by the Air Force Civil Engineer Center, under Contract Number FA8903-20-D-0001, to conduct environmental remediation activities at the former Griffiss Air Force Base (AFB) located in Rome, New York (**Figure 1**). This Annual Monitoring Report has been prepared to document the 2024 quarterly groundwater sampling/monitoring activities conducted at Petroleum Spill Site SS067 Building 789 (New York State Department of Environmental Conservation [NYSDEC] Spill Number [No.] 9810713) at former Griffiss AFB (**Figure 2**).

1.1 Griffiss AFB Operational History

The mission of the former Griffiss AFB varied over the years. The following information was taken from the *Final 2005 Basewide 5-Year Review* (FPM Remediations, Inc. [FPM], June 2005) and the *Preliminary Draft Historic Building Inventory and Evaluation* (Woodward-Clyde, February 1998). The base was activated on February 1, 1942, as Rome Air Depot, with the mission of storage, maintenance, and shipment of material for the United States Army Air Corps. After creation of the Air Force in 1947, Rome Air Depot was renamed Griffiss AFB on September 20, 1948 (Woodward-Clyde, February 1998). The base became an electronics center in 1950, with the transfer of Watson Laboratory Complex (later Rome Air Development Center [1951], Air Force Research Laboratory/Rome Research Site), and then the Information Directorate at Rome Research Site was established with the mission of applied research, development, and testing of electronic air-ground systems. The headquarters of the Ground Electronics Engineering Installations Agency (GEEIA) was established in June 1958 to engineer and install ground communication equipment throughout the world.

In August 1958, shortly after GEEIA took over as host unit at Griffiss AFB, the 4039th Strategic Wing was assigned as a tenant. The 4039th was equipped with aircraft including the B-52G "Stratofortress" and KC-135A "Stratotanker." Base facilities had to be modified or constructed to accommodate the Strategic Wing mission. This included the construction of new runways, taxiways, runway aprons, dormitories, storage facilities, hangars, and various other support buildings (Woodward-Clyde, February 1998). Construction of the aprons and support facilities at the southeastern end of the flight line required Six Mile Creek to be diverted into an underground culvert, and the old channel was filled in (Air Force Real Property Agency [AFRPA], April 2009) **(Figure 2)**. In January 1960, the first of 15 B-52G bombers, named "Mohawk Valley," arrived at the base. In January 1961, the base also received the first of many Hound Dog Missiles (GAM 77). In 1963, the 4039th was inactivated and replaced with the 416th Bombardment Wing. The 416th Bombardment Wing assumed host responsibilities at Griffiss AFB in 1970, after the Headquarters of GEEIA was inactivated. In May 1979, the 416th Bombardment Wing was the first wing to receive the air-launched cruise missiles. Griffiss AFB began receiving the air-launched cruise missiles in January 1981; they were primarily used for environmental testing and maintenance training (Woodward-Clyde, February 1998).

The 49th Fighter Interceptor Squadron served at Griffiss AFB from 1959 until its inactivation in 1987. Griffiss AFB was designated for realignment under the Base Realignment and Closure Act in 1993 and 1995, resulting in deactivation of the 416th Bombardment Wing in September 1995.

As a result of the various national defense missions carried out at the former Griffiss AFB since 1942, hazardous and toxic substances were used, and hazardous wastes were generated, stored, or disposed of at various sites on the installation. The defense missions involved were, among others: the procurement, storage, maintenance, and shipment of war material; research and development; and aircraft operations and maintenance (FPM, June 2005).

1.2 Regulatory Background

Petroleum Spill Site SS067 falls under the Spills Program managed by the NYSDEC. Under this program, spill close-out decisions can be considered even when a cleanup has not achieved the established cleanup level and there are indications that the chosen remedial strategy will not achieve the established cleanup level even if the operation is continued for a long period of time. The goal of the NYSDEC Spills Program is to return a site to pre-spill conditions and ensure adequate protection of human health and the environment. A spill is considered "closed" by the NYSDEC when records and data submitted for review demonstrate that the necessary cleanup and removal actions have been completed and no further remedial activities are required. The Spills Program uses professional judgment and enforcement discretion to allow cleanup to a lesser degree if pre-spill conditions are not achievable (NYSDEC, April 2019).

1.3 Purpose

This Annual Monitoring Report documents the 2024 free product gauging and groundwater/surface water sampling results at former Griffiss AFB Petroleum Spill Site SS067. Site-specific activities and results presented include an overview of site conditions, monitoring results, conclusions, and recommendations for future remedial actions and monitoring. The goal of this Annual Monitoring Report is to present monitoring data that will ultimately support closure of NYSDEC Spill No. 9810713.

1.4 Procedures and Report Organization

Monitoring and sampling activities were conducted in accordance with the 2022 *Final Basewide Uniform Federal Policy – Quality Assurance Project Plan, Long Term Monitoring* (Bhate, April 2022); any sampling plan modifications made following regulatory approval of the annual reporting recommendations; and *the Final Uniform Federal Policy-Quality Assurance Project Plan Corrective Action Plan for Investigation of Petroleum Spill Sites: CSS681 Apron 1 (NYSDEC Spill #1501553), CSS682 Building 785 Pipeline (NYSDEC Spill #1408594), and SS067 Building 789 (NYSDEC Spill #9810713)* (Bhate, August 2017).

For evaluation purposes, where established, all analytical data was screened against the NYSDEC, Division of Water *Technical and Operational Guidance Series (TOGS) (1.1.1), Table 1 New York*

State Ambient Water Quality Standards and Guidance Values[NYSDEC AWQ S/GV] (NYSDEC, June 1998), and *Addendum to June 1998 Division of Water and Technical and Operational Guidance Series (TOGS) No. 1.1.1* (NYSDEC, April 2000) .

Laboratory analyses were performed by SGS North America Inc., Orlando, Florida and included volatile organic compounds (VOCs) by United States Environmental Protection Agency Method 8260D. All data validation was performed by Environmental Synectics, Inc. Analytical summary results from the 2024 sampling event are provided in **Table 1** and **Table 2**.

A description of data qualifiers used by the laboratory is provided below.

- U – The analyte was analyzed for but not detected and reported to limit of detection.
- J – The analyte was positively identified; the result was detected above the method detection limit, but the concentration was below the reporting limit as an estimated value.
- UJ – The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria

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2 SS067 (BUILDING 789) NYSDEC SPILL NO. 9810713

2.1 Site Description and History

The information presented in this section is taken from the *Final Optimization Plan Petroleum Spill Sites Remediation, Former Griffiss Air Force Base Site, Rome, New York* (AECOM Technical Services, Inc. [AECOM], November 2011), the *Preliminary Draft Historic Building Inventory and Evaluation, Griffiss Air Force Base, Rome, New York* (Woodward-Clyde, February 1998), and the *Final Record of Decision for the On-base Groundwater AOC* [area of concern] *(SD-52) at the Former Griffiss Air Force Base, Rome, New York* (AFRPA, April 2009). Site SS067 (Building 789) is in the southeastern portion of the former Griffiss AFB (**Figure 1**). In August 1958, the 4039th Strategic Wing was assigned as a tenant. Base facilities had to be modified or constructed to accommodate the Strategic Wing mission.

According to the Final Record of Decision for the On-Base Groundwater AOC, prior to construction of the Strategic Wing facilities at the southeastern end of the flightline, Six Mile Creek flowed through the site in an open channel in the area of the Apron 2/Building 789 area, but during construction, it was diverted into an underground culvert and the old channel was filled in (AFRPA, April 2009). Based on the historic building inventory, Building 789 was one of the support buildings constructed to support the Strategic Wing mission. In January 1961, the base received the first air-to-surface nuclear attack "Hound Dog Missiles," which were carried by B-52H and B-52G bombers. The Hound Dog Missile Complex at Griffiss AFB was situated at the southeastern end of the flightline and included Building 789, the Missile Assembly Shop; Buildings 790 and 791, the Missile Run-Up Shops; and Building 5910, the Power Check Pad. These missiles were removed from service at the base in 1973 (Woodward-Clyde, February 1998).

An 8,000-gallon underground storage tank (UST) (789-1) was located on the northeast side of Building 789 from 1961 until its removal in 1991 and was used to store fuel oil for boiler heating. Coinciding with the removal of UST 789-1 was the installation of UST 789-2, approximately 25 feet to the east of UST 789-1. UST 789-2 had a capacity of 5,000 gallons and was also used to store No. 1 fuel oil for boiler heating until its removal by PEER Consultants Professional Corporation in November 1998. Continuous soil screening was conducted during the excavation of UST 789-2. Observed contamination at depth was determined to be associated with the fuel pipeline system, and NYSDEC Spill No. 9810713 was assigned to the site in November 1998 (AECOM, November 2011). The site features, including monitoring wells, are shown on **Figure 2.**

As shown on **Figure 3**, located along the northwestern side of Building 789 is a section of the former Type II Jet Fuel pipeline that once distributed Jet Propulsion Fuel No. 4 to the southern section of Apron 2. As further described in Section 2 of this report, former Site SS054 includes the Pumphouse No. 1 site (former Building 781). Fuel was distributed from Pumphouse No. 1 to pipeline system petroleum, oil, and lubricants (POL) 781-2, located between Building 789 and Apron 2. POL 781-2 consisted of four lateral control pits (LCPs) adjacent to the northeast side of Apron 2 and a refueling hydrant outlet connected to each pit, formerly located in the Apron 2

pavement. The LCPs were connected by 10-inch diameter fueling and 8-inch diameter defueling pipelines. The individual refueling hydrant outlets were connected to the hydrant LCPs by 6-inch diameter lateral fueling pipelines. POL 781-2 pipelines were reportedly flushed, capped with hydraulic cement, and abandoned in place in 1996 (AECOM, November 2011).

2.2 Previous Investigations and Remedial Actions

The following section outlines the significant remedial and investigation activities at SS067 and is taken from the Final Letter Work Plan, Site SS067 Free Product Assessment and Data Gap Investigation (Bhate, May 2022), based on the Final 2020 Annual Monitoring Report for Petroleum Spill Sites, Former Griffiss Air Force Base, Rome, New York (Bhate, February 2022).

In 2001, 52,000 cubic yards of contaminated soils (with approximately 13,000 gallons of entrained free product), 25,462 gallons of free product, and 525,000 gallons of contaminated water were removed from the site. Fuel seeps were observed at multiple locations entering the excavation pit. Oil Spill Eater enzymes and Oxygen Release Compound® were applied to the excavation prior to it being backfilled (AECOM, November 2011). Building 789 was also demolished during this time (CAPE Environmental [CAPE], May 2002). The extent of excavation completed during the 2001 remedial actions is shown on **Figure 2**. From 2003 to 2010, vacuum enhanced recovery was performed (FPM, December 2008, November 2009, March 2010, August 2010, and July 2011). From 2006 to 2010, a vacuum enhanced skimming system was operational at eight recovery wells and one monitoring well, recovering approximately 6,317 gallons of free product. By the fall of 2010, light non-aqueous phase liquid recovery rates had declined to approximately 1.5 gallons per day (FPM, July 2011). From 2006 to 2019, a horizontal biosparging system was operated to prevent the downgradient migration of the free product and dissolved phase petroleum plumes. The horizontal biosparging system and free product skimming system lines and wells are shown on **Figure 2**. From 2011 to 2018, the free product recovery system was in operation. Free product recovery rates were limited to less than 1 gallon per day even following a 2017 skimmer refurbishment. Significant free product thicknesses continued to be observed in several site wells (Bhate, August 2018).

In 2018, a Data Gap Investigation (DGI) was completed which involved: 28 soil borings, photoionization detector screening, sheen testing, free product mobility analysis, setting and sampling of 12 temporary grab wells, installation of three fully-screened permanent monitoring wells, and “fingerprint” analysis of two free product samples (Bhate, October 2019). No source(s) of free product were identified. The recommendations table as well as a figure depicting locations and results from the 2018 investigation is included in **Appendix A**. In March 2019, to evaluate the distribution of the remaining free product present in the subsurface, seven wells were rehabilitated using a surfactant (Ivey-sol® 103), surging, and purging (Bhate, September 2020). Free product thickness measurements are included in **Appendix B-1**. In October 2019, the remaining skimmers were removed and monthly free product thickness gauging and free product bailing commenced. In September 2020, an inverted funnel device was installed at 789RW-219 to evaluate the possibility that free product was migrating along preferential pathways below the water table. Data indicated that free product was entering the well from a preferential pathway

located below the water table (Bhate, February 2022). Following the 2018 DGI and the subsequent shutdown of the air sparge and free product recovery systems, continued accumulation of free product during the monthly gauging and bailing events was observed. It was determined that further investigation was needed to identify the origin(s) of the free product and the associated migration pathways.

From June through October 2022, field activities in support of a free product assessment and data gap investigation, as outlined in the *Work Plan SS067 Free Product Assessment and Data Gap Investigation* (Bhate, May 2022), were performed to delineate the source and migration pathways of observed free product accumulations and to update the current conceptual site model (CSM). Field activities included a high-resolution site characterization (HRSC); utilization of the HRSC results to select locations and target depths for soil boring advancement and soil sampling to assess the soil profile for the presence of free product and laboratory analysis for VOCs, semi-volatile organic compounds (SVOCs), total petroleum hydrocarbons (TPH), and per- and polyfluoroalkyl substances (PFAS); the completion of the soil borings as temporary monitoring wells for groundwater sampling and analysis of VOCs, SVOCs, TPH, and PFAS with subsequent abandonment; and the installation and sampling of five permanent monitoring wells for VOCs, SVOCs, TPH, and PFAS.

The HRSC investigation bounded the free product areas except to the west which is limited by Apron 2. The collected data is being compiled for presentation in a supplemental CSM update report. Results identified the greatest free product response and thicknesses near monitoring wells 789MW-96, 789MW-19, and 789MW-252, and near the west side of the investigation near the apron. Free product was observed to be distributed at a depth of approximately 15 feet to 23 feet below ground surface and between two high permeability zones.

During 2023 Quarter 1, as continuation of the 2022 DGI, free product was gauged and bailed in February and March at 789MW-96, 789MW-102, 789RW-200, 789RW-202, 789RW-205, 789RW-211, 789RW-219, 789RW-220, 789RW-221, and 789MW-252. Wells 789RW-211, 789RW-220, and 789RW-221 were checked for free product during the first quarter of 2023; however, very little or no measurable product was observed during those events. Based on these observations and the site's historical gauging trends, these wells were not prioritized for continued product gauging during subsequent quarters, including 2024. During 2023 Quarters 2 through Quarter 4, gauging only without free product bailing was performed in conjunction with quarterly sampling activities at the same locations as Quarter 1 with additional gauging only at 789MW-253 and 789MW-254. A supplemental gauging and bailing event was conducted in 2023 Quarter 3 (November 2023). The maximum free product thickness measured was 4.32 feet at 789MW-254 in September 2023; this location demonstrated the greatest free product thickness during each event. In addition to 789RW-254, locations 789MW-102 (one event), 789RW-200 (four events) 789RW-202 (three events), and 789RW-219 (three events) contained greater than 1 foot of free product.

Following gauging in 2023 Quarter 1 and Quarter 4, the wells containing free product, with the exception of 789MW-254 in Quarter 4, were bailed to remove free product to the maximum

extent practicable and then generally regauged for product thickness. The approximate volume recovered per event was 1.31 gallons (February 2023), 1.25 gallons (March 2023), and 12 gallons (November 2023) with approximately 14.5 gallons recovered during 2023. Based on the 2023 contract with the Air Force, wells were to only be gauged and not bailed to remove free product starting with the 2nd Quarter 2023.

2.3 Remedial Optimization Efforts in 2024

During 2024 Quarter 1 and Quarter 2, free product was gauged only in conjunction with quarterly sampling activities in March and June at 789MW-96, 789MW-102, 789RW-200, 789RW-202, 789RW-205, 789RW-219, 789MW-252, 789MW-253 and 789MW-254. During 2024 Quarter 3 and Quarter 4, gauging and bailing was performed in conjunction with quarterly sampling activities at the same locations as Quarter 1 and Quarter 2. The maximum free product thickness measured was 3.66 feet at 789MW-254 in October 2024. In addition to 789MW-254, locations 789MW-96 (three events), 789MW-102 (three events), 789RW-200 (three events), 789RW-202 (four events), 789RW-219 (three events), 789MW-252 (four events), and 789MW-253 (one event) contained greater than 1 foot of free product. Free product bailing and gauging measurements from2023 to 2024 are provided in **Table 3** and measured product thicknesses are shown on **Figure 4a** and **Figure 4b**. The free product thickness trends are generally stable with the exception of 789RW-219 and 789MW-253 which showed increased thicknesses in the second half of 2024.

Following gauging in 2024 Quarter 3 and Quarter 4, the wells containing free product were bailed to remove free product to the maximum extent practicable and then generally regauged for product thickness. The approximate product volume recovered per event was 9.5 gallons (October 2024) and 7.4 gallons (December 2024) with approximately 16.9 gallons recovered during 2024. The December 2024 recovery volume was estimated using the gauging data collected before and after bailing because only the total volume of both product and water bailed was mistakenly recorded in the field. Free product recovered by event is shown on **Figure 5.**

3 QUARTERLY MONITORING RESULTS

3.1 Groundwater

The following subsections provide a summary of results for the quarterly groundwater monitoring events conducted in March, June, September/October, and December 2024. The 2024 monitoring plan as executed is shown in **Table 4**. Groundwater elevations and field parameter measurements are provided in **Table 5**, and quarterly detected groundwater analytical results are provided in **Table 1**. Monitoring wells are discussed from the upgradient/head of plume to downgradient near Six Mile Creek in a general west to east orientation.

Acetone data has been tracked since the beginning of 2019 Quarter 1 based on the elevated concentrations (maximum 549 micrograms per liter [µg/L] in October 2022) consistently observed in upgradient monitoring wells 789MW-98, 789MW-99, and 789MW-251. Tabulated acetone data through 2024 Quarter 4 is included in **Appendix B-4.** As acetone is a non-petroleum VOC, further discussion is not included in this report but will be discussed in the supplemental CSM. Field documentation, including groundwater sample collection logs and free product gauging and bailing field forms, are provided in **Appendix C**. Laboratory data validation reports are provided in **Appendix D** and laboratory analytical data packages are provided in **Appendix E**.

3.1.1 Quarterly Event No. 1 (March 2024)

3.1.1.1 Free Product/Depth to Water Measurements

Depth to free product/water was measured in 18 wells and calculated elevations were used to create a potentiometric surface map of the unconfined surficial aquifer. Measurable amounts of free product were recorded in eight wells. Measured free product thicknesses are summarized in **Table 3**. Groundwater elevations, corrected for the presence of free product as applicable, are summarized in **Table 5**. Consistent with prior events, a groundwater depression is observed within the former excavation area with general flow to the east/southeast towards Six Mile Creek within the unconfined surficial aquifer (**Figure 6**).

3.1.1.2 Groundwater Results

Six monitoring wells (789MW-83, 789MW-98,789MW-99, 789MW-251, 789MW-216, and 789MW-222) were sampled in March 2024. Field parameters are presented in **Table 5** and analytical detections are summarized in **Table 1** with NYSDEC AWQ S/GV exceedances summarized below and shown on **Figure 7**.

Exceedances of criteria were observed only in the following source area wells:

- Monitoring well 789MW-98: 1,2,4-trimethylbenzene (TMB) (705 µg/L); 1,3,5-TMB (139 µg/L); benzene (51.2 µg/L); ethylbenzene (75.6 µg/L); isopropylbenzene (25 µg/L); m,p-xylene (360 µg/L); n-butylbenzene (11.1 µg/L); n-propylbenzene (57.4 µg/L); naphthalene (84.9 µg/L); o-xylene (9.8 µg/L); p-isopropyltoluene (7.9 µg/L); sec-butylbenzene (10.8 µg/L) were detected above their respective NYSDEC AWQ S/GV.
- Monitoring well 789MW-99: ethylbenzene (3.3 µg/L and 3.4 µg/L in the duplicate sample) was detected above the NYSDEC AWQ S/GV.

3.1.1.3 Water Quality Parameters

Groundwater dissolved oxygen (DO) concentrations less than 0.5 milligrams per liter (mg/L) are indicative of anaerobic groundwater environments, while DO concentrations greater than 1.0 indicate aerobic conditions. Within the southwestern portion of the source area/excavation boundary, DO was measured at 0.58 mg/L in 789MW-98 and 1.78 mg/L in 789MW-99, both within the excavation boundary and at the upgradient extent of dissolved contamination. Within and near the northeastern extent of the excavation at 789MW-251, DO was measured at 0.91 mg/L. Downgradient of the source area/excavation DO was measured at 0.52 mg/L in 789MW-216, 0.30 mg/L in 789MW-83, and 1.24 mg/L in 789MW-222.

Groundwater oxidation reduction potential (ORP) is an indicator of its tendency to accept or transfer electrons. In oxidative regions of the aquifer, ORP will be positive; in reducing regions, ORP will be negative. Within the source area, ORP was measured at -82.6 millivolts (mV) in 789MW-98, -133.4 mV in 789MW-99, and 15.2 mV in 789MW-251. Downgradient ORP was measured at -95.7 mV in 789MW-216, -77.8 mV in 789MW-83, and 24.2 mV in 789MW-222. The potential of hydrogen (pH) was in the near-neutral range, measured from 6.40 to 7.12 standard units (SU).

3.1.2 Quarterly Event No. 2 (June 2024)

3.1.2.1 Free Product/Depth to Water Measurements

Depth to free product/water was measured in 18wells and calculated elevations were used to create a potentiometric surface map of the unconfined surficial aquifer. Measurable amounts of free product were recorded in seven wells. Measured free product thicknesses are summarized in **Table 3**. Groundwater elevations, corrected for the presence of free product as applicable, are summarized in **Table 5**. Consistent with prior events, a groundwater depression is observed within the former excavation area with general flow to the east/southeast towards Six Mile Creek within the unconfined surficial aquifer (**Figure 8**).

3.1.2.2 Groundwater Results

Nine monitoring wells (789MW-46R, 789MW-83, 789MW-95, 789MW -98, 789MW -99, 789MW -135, 789MW-216, 789MW-251, and 789MW-222) were sampled in June 2024. Field parameters

are presented in **Table 5** and analytical detections are summarized in **Table 1** with NYSDEC AWQ S/GV exceedances summarized below and shown on **Figure 9.**

Exceedances of criteria were observed in the following source area wells:

- Monitoring well 789MW-98: 1,2,4-TMB (88.7 µg/L); 1,3,5-TMB (30.9 J µg/L); benzene (13.6 µg/L); ethylbenzene (5.8 J µg/L) m,p-xylene (30.4 J µg/L); naphthalene (8.8 J µg/L); and n-propylbenzene (9.4 J µg/L) were detected above their respective NYSDEC AWQ S/GV.
- Monitoring well 789MW-99 and duplicate: benzene (1.6 µg/L) was detected above the NYSDEC AWQ S/GV.

3.1.2.3 Water Quality Parameters

Within the source area, DO was measured at 1.30 mg/L in 789MW-98 and 1.40 mg/L in 789MW-99. Within and near the northeastern extent of the excavation, DO was measured at 4.20 mg/L in 789MW-95 and at 2.90 mg/L in 789MW-251. Downgradient of the source/excavation area DO was measured at 0.60 mg/L in 789MW-46R, 1.10 mg/L in 789MW-216, 1.60 mg/L in 789MW-83, 2.40 mg/L in 789MW-222, and 6.0 mg/L in 789MW-135.

ORP within the source area was measured at -79.0 mV in 789MW-98, -62.0 mV in 789MW-99, 81.0 mV in 789MW-95, and 38.7 in 789MW-251. Downgradient ORP was measured at -76.7 mV in 789MW-46R, -76.2 mV in 789MW-216, 13.4 in 789MW-83, 52.6 mV in 789MW-222, and 122.6 mV in 789MW-135. The pH was in the near-neutral range, measured from 6.70 to 7.48 SU.

3.1.3 Quarterly Event No. 3 (September 2024)

3.1.3.1 Free Product/Depth to Water Measurements

Depth to free product/water was measured in 14 wells and calculated elevations were used to create a potentiometric surface map of the unconfined surficial aquifer. Measurable amounts of free products were recorded in five wells. No free product was bailed during this event. Measured free product thicknesses are summarized in **Table 4**. Groundwater elevations, corrected for the presence of free product as applicable, are summarized in **Table 5**. Consistent with prior events, a groundwater depression is observed within the former excavation area with general flow to the east/southeast towards Six Mile Creek within the unconfined surficial aquifer (**Figure 10**).

3.1.3.2 Groundwater Results

Six monitoring wells (789MW-98, 789MW-99, 789MW-251, 789MW-216, 789MW-83, and 789MW-222) were sampled in September and October 2024. Field parameters are presented in **Table 5** and analytical detections are summarized in **Table 1** with NYSDEC AWQ S/GV exceedances summarized below and shown on **Figure 11**.

Exceedances of criteria were observed in the following source area wells:

- Monitoring well 789MW-98: 1, 2, 4-TMB (135 µg/L); 1, 3, 5-TMB (76.7 µg/L); benzene (80.9 µg/L); ethylbenzene (19.4 µg/L); m,p-xylene (96.5 µg/L); naphthalene (26 µg/L); n-butylbenzene (19.8 µg/L); n-propylbenzene (29.9 µg/L); o-xylene (5.3 µg/L); p-isopropyltoluene (11.3 µg/L); sec-butylbenzene (11.8 µg/L).
- Monitoring well 789MW-99: benzene (1.7 µg/L) and duplicate (1.5 µg/L) was detected above the NYSDEC AWQ S/GV.

3.1.3.3 Water Quality Parameters

Within the source area, DO was measured at 5.13 mg/L in 789MW-98, 7.08 mg/L in 789MW-99, and at 3.99 mg/L in 789MW-251 at the northeastern extent of the excavation boundary. Downgradient of the source/excavation area DO was measured at 6.58 mg/L in 789MW-216, 4.52 mg/L in 789MW-83, and 4.29 at 789MW-222.

ORP within the source area was measured at -107.6 mV in 789MW-98, -148.0 mV in 789MW-99, and -92.5 mV in 789MW-251. Downgradient ORP was measured at -131.6 in 789MW-216, -37.0 mV in 789MW-83, and -45.2 mV in 789MW-222. The pH was in the near-neutral range, measured from 6.81 to 7.57 SU.

3.1.4 Quarterly Event No. 4 (December 2024)

3.1.4.1 Free Product/Depth to Water Measurements

Depth to free product/water was measured in 17 wells and calculated elevations were used to create a potentiometric surface map of the unconfined surficial aquifer. Measurable amounts of free product were recorded in ten wells. Measured free product thicknesses are summarized in **Table 3**. Groundwater elevations, corrected for the presence of free product as applicable, are summarized in **Table 5**. Consistent with prior events, a groundwater depression is observed within the former excavation area with general flow to the east/southeast towards Six Mile Creek within the unconfined surficial aquifer (**Figure 12**).

3.1.4.2 Groundwater Results

Eight monitoring wells (789MW-46R, 789MW-83, 789MW-95, 789MW-99, 789MW-135, 789MW-216, 789MW-222, and 789MW-251) were sampled in December 2024. Field parameters are presented in **Table 5** and analytical detections are summarized in **Table 1** and shown on **Figure 13**.

Exceedances of criteria were observed only in the following source area wells:

- Monitoring well 789MW-99: benzene (1.4 µg/L) and duplicate (1.1 µg/L) was detected above the NYSDEC AWQ S/GV.
- Monitoring well 789MW-251: acetone (289 µg/L) and benzene (3.9 µg/L) were detected above the NYSDEC AWQ S/GV.

3.1.4.3 Water Quality Parameters

Within the source area, DO was measured at 6.41 mg/L in 789MW-99. Within and near the northeastern extent of the excavation, DO was measured at 10.48 mg/L in 789MW-95 and at 8.94 mg/L in 789MW-251. Downgradient of the source area/excavation DO was measured at 6.78 mg/L in 789MW-46R, 4.06 mg/L in 789MW-216, 7.54 mg/L in 789MW-83, 7.40 mg/L in 789MW-222, and 6.67 mg/L in 789MW-135.

ORP within the source area was measured at -138.0 mV in 789MW-99, 66.0 mV in 789MW-95, and -77.1 mV in 789MW-251. Downgradient ORP was measured at -71.2 mV in 789MW-46R, -101.4 mV in 789MW-216, -71.7 in 789MW-83, -9.7 mV in 789MW-222, and 55.2 mV in 789MW-135. The pH was in the near-neutral range, measured from 6.70 to 7.15 SU.

3.2 Surface Water

Based on elevated concentrations of petroleum VOCs historically observed and the continued presence of free product measured in downgradient monitoring wells into 2023 Quarter 4, the collection of surface water samples from Six Mile Creek were added to the quarterly sampling program beginning in 2024 Quarter 1. Field parameters are presented in **Table 5**. Analytical detections for each quarter are summarized in **Table 2** and **Figure 14**.

Initially in Quarter 1, surface water locations 789SW-02 (adjacent to 789MW-102), 789SW-03 (approximately 150 feet downstream of 789MW-102), and 789SW-04 (approximately 500 feet downstream of 789MW-102) were sampled.

3.2.1 Quarterly Event No. 1 (March 2024)

Three surface water locations (789SW-02, 789SW-03, and 789SW-04) were sampled in March 2024 **(Figure 7)**. The surface water analytical data reported no detections above the NYSDEC AWQ S/GV standards.

3.2.2 Quarterly Event No. 2 (June 2024)

Three surface water locations (789SW-02, 789SW-03, and 789SW-04) were sampled in June 2024 **(Figure 9)**. Benzene (2.6 µg/L) was detected above the NYSDEC AWQ S/GV at 789SW-03.

3.2.3 Quarterly Event No. 3 (September 2024)

Three surface water locations (789SW-02, 789SW-03, and 789SW-04) were sampled in September 2024 **(Figure 11)**. The surface water analytical data reported no detections above the NYSDEC AWQ S/GV standards.

3.2.4 Quarterly Event No. 4 (December 2024)

Three surface water locations (789SW-02, 789SW-03, and 789SW-04) were sampled in December 2024 **(Figure 13)**. The surface water analytical data reported no detections above the NYSDEC AWQ S/GV standards.

4 CONCLUSIONS

A source of free product has not been defined to the west and the excavation by CAPE (May 2002) did not remove all sources. Free product continues to be present in several site wells, with thicknesses up to 3.66 feet observed and a total of approximately 36.5 gallons recovered during 2024. This amount is an approximation because during the December 2024 event, the free product recovery volume included purge water in the measurements skewing the gallons recovered in 2024 to be higher than historical gauging and bailing events. The HRSC investigation in 2022 bounded the free product areas except to the west which is limited by Apron 2. Free product is present in three areas: the main product accumulation area of the unconsolidated soils and fill of the shallow unconfined surficial aquifer representing the source area/excavation area; adjacent to Six Mile Creek as observed in 789MW-102; and adjacent to Apron 2 in 789MW-254.

During 2024, VOCs were detected above NYSDEC AWQ S/GV in upgradient monitoring wells 789MW-98, 789MW-99, and 789MW-251 which are within the footprint of the former excavation area. Benzene was detected above NYSDEC AWQ S/GV in surface water samples collected at 789SW-03 from Six Mile Creek only during the 2024 Quarter 2 event. Dissolved phase contamination was not observed at concentrations above NYSDEC AWQ S/GV at any other monitoring well or surface water locations sampled in 2024.

A groundwater depression is observed within the former excavation area with general flow to the east/southeast towards Six Mile Creek within the unconfined surficial aquifer. The effect of the potentiometric surface (**Figures 6**, **8**, **10**, and **12**) in relation to groundwater flow suggests an undefined up-gradient source of the free product and dissolved phase contaminants of concern.

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5 RECOMMENDATIONS

Based on the 2022 Data Gap Investigation findings and 2024 groundwater/surface water sampling, quarterly sampling should continue as described in **Table 6** during 2025. Monthly free product gauging and bailing should be conducted from select wells based on the continued presence of free product observed in 789MW-254 located adjacent to Apron 2. The supplemental CSM will present an interpretation of subsurface conditions in support of further assessment of potential sources in the Apron 2 area.

Based on elevated concentrations of petroleum VOCs and free product detected in downgradient monitoring well 789MW-102 and the presence of benzene in surface water samples from Six Mile Creek during 2024, surface water sampling should continue quarterly in 2025. Additionally, damaged well 789MW-103, adjacent to Six Mile Creek approximately 220 feet downstream from 789MW-102, should be replaced to confirm free product and dissolved VOCs are not present.

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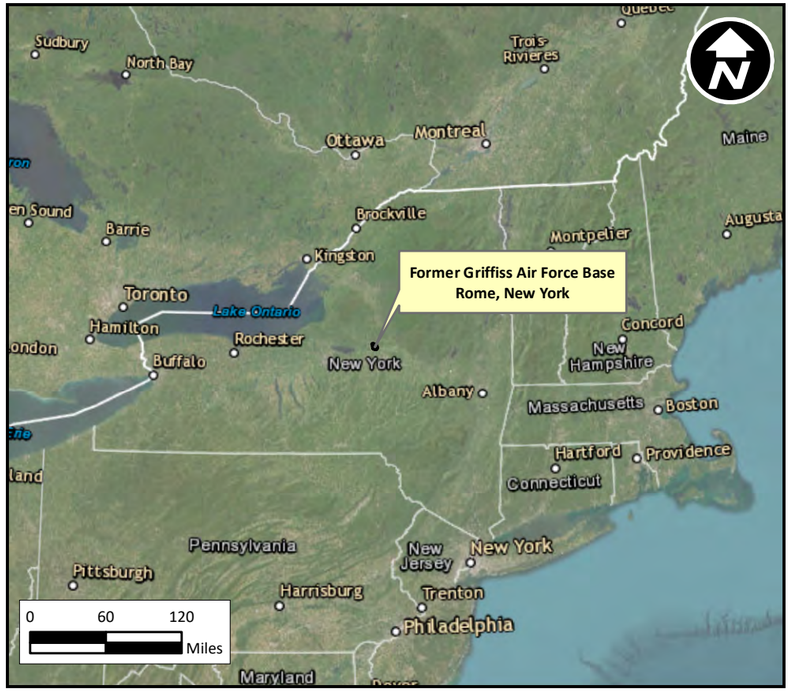
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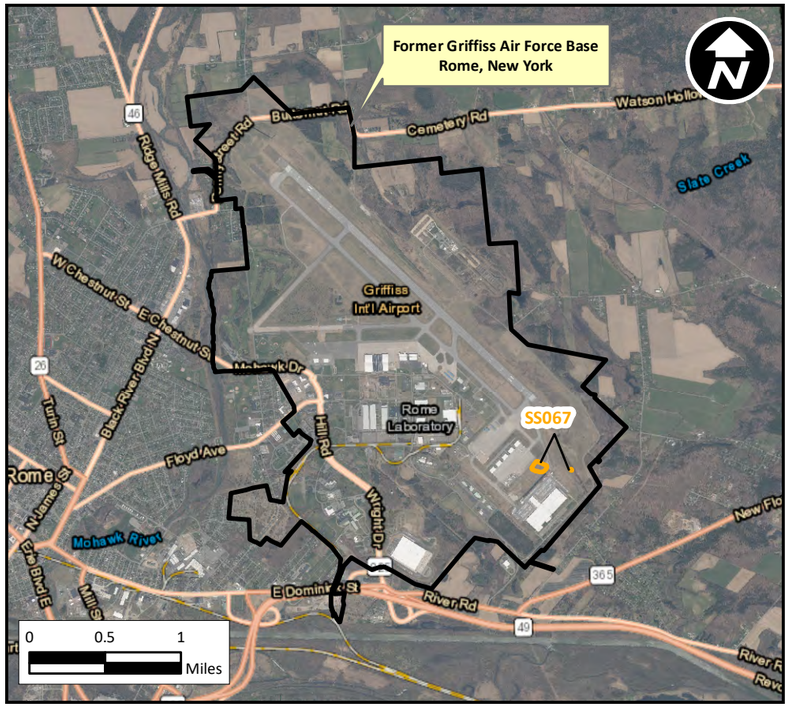
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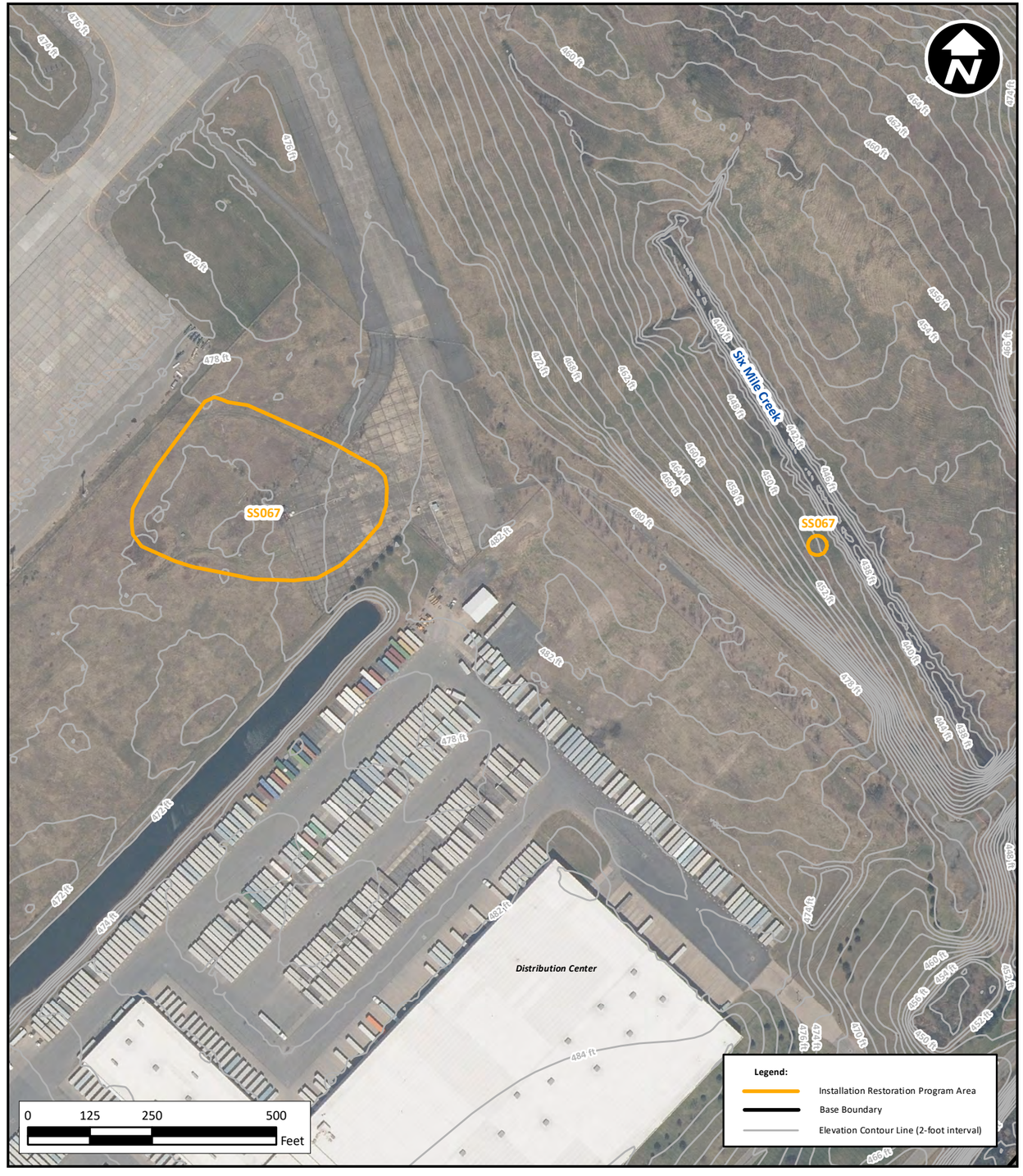
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FIGURES

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Former Griffiss Air Force Base
Site Location Map

Figure 1

2024 Annual Monitoring Report For Petroleum Spill Sites
Former Griffiss Air Force Base, Rome, New York

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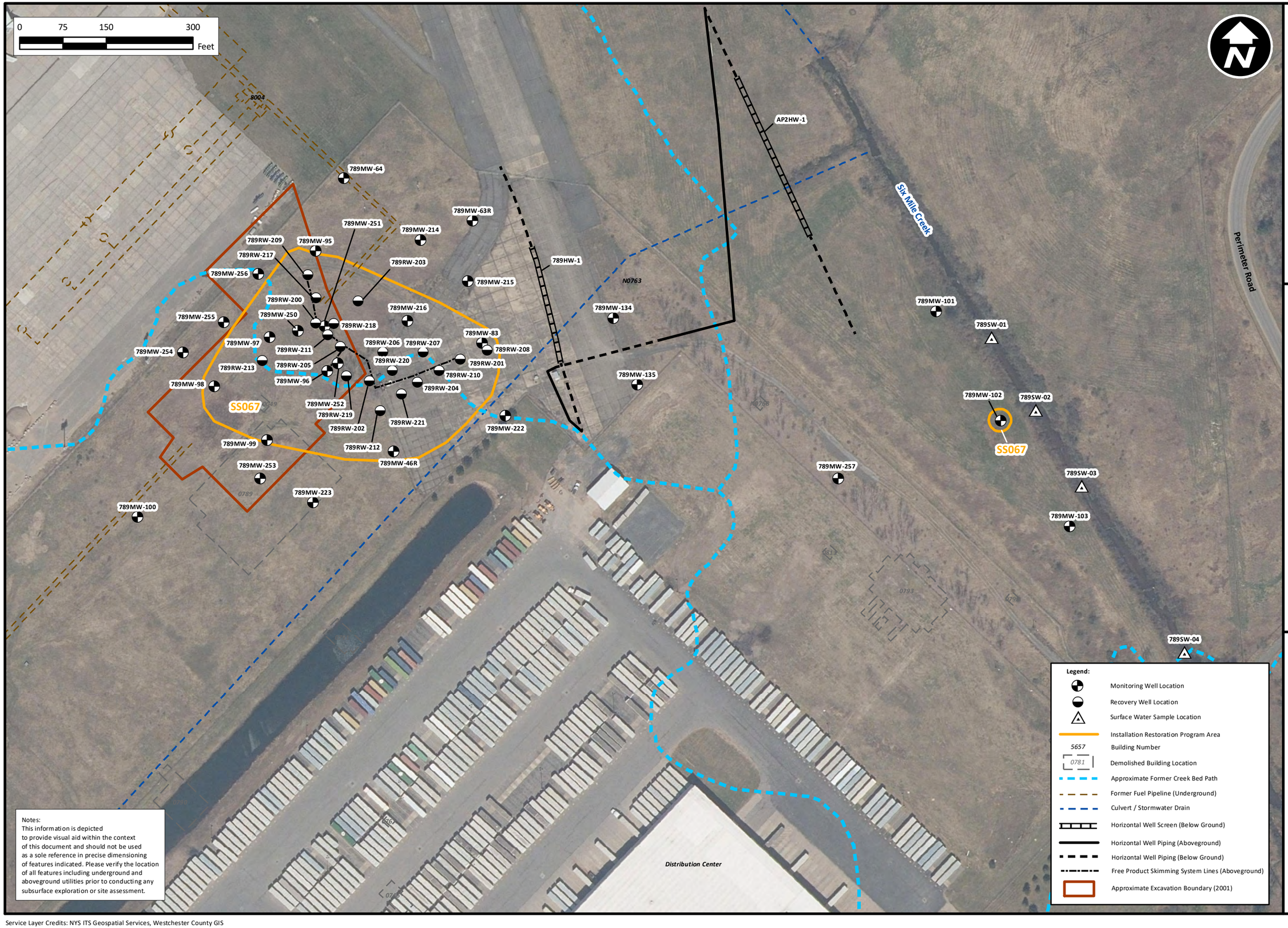
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Figures



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SS067 (Building 789)
Site Layout Map

Figure 2

2024 Annual Monitoring Report For Petroleum Spill Sites
Former Griffiss Air Force Base, Rome, New York

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Figures

Figure 3

Fuel Distribution System at Apron 2

0 125 250 500 Feet

Former Drain Pit No. 5
LPD4B

LCPC1
(Was removed by others on previous contract)

Former Hydrant Lateral Control Pit (Typ.)

LCPC2

Former Hydrant
C-1

Former Drain Pit
LFD3B

Former Hydrant
C-2

LCPB1
LCPB2
LCPB3

Former Hydrant
B-1

Former Hydrant
B-1A

Former Fuel Transfer Line Termination Point Cleaned, Cut, and Capped

Former LCPC3

Parking Apron 2

Former Elbow Joint
C2A

Former Hydrant
B-2

Former Elbow Joint
C3A

Former Hydrant
B-2A

Former Hydrant
C-3

Former Hydrant
B-3

Former Drain Pit
LPD3A

Former Hydrant
C-4

SS067

Former LCPC5

Former Hydrant
B-4

Former Elbow Joint
C4A

Former Elbow Joint
C5A

Former Hydrant
B-5

Former Hydrant
C-5

Former Hydrant
B-6A

Former Hydrant
B7A

Former Hydrant
B-6

Valve Pit

Former Pumphouse
No. 4

LCPB5
LCPB4
LCPB6
LCPB7

Former Hydrant
B-7

Former Pumphouse
No. 3

Valve Pit

Former Low Point
Drain 2

Former Low Point
Drain 1

Former Pumphouse
No. 2

Former Pumphouse
No. 1

Six Mile Creek

Distribution Center

Notes:
This information is depicted to provide visual aid within the context of this document and should not be used as a sole reference in precise dimensioning of features indicated. Please verify the location of all features including underground and aboveground utilities prior to conducting any subsurface exploration or site assessment.

Legend:
- Installation Restoration Program Area
- 5657 Building Number
- 0781 Demolished Building Location
- Approximate Former Creek Bed Path
- Former Fuel Pipeline (Underground)
- Culvert / Stormwater Drain
- Horizontal Well Screen (Below Ground)
- Horizontal Well Piping (Aboveground)
- Horizontal Well Piping (Below Ground)
- Free Product Skimming System Lines (Aboveground)
- Approximate Excavation Boundary (2001)

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2024 Annual Monitoring Report For Petroleum Spill Sites
Former Griffiss Air Force Base, Rome, New York

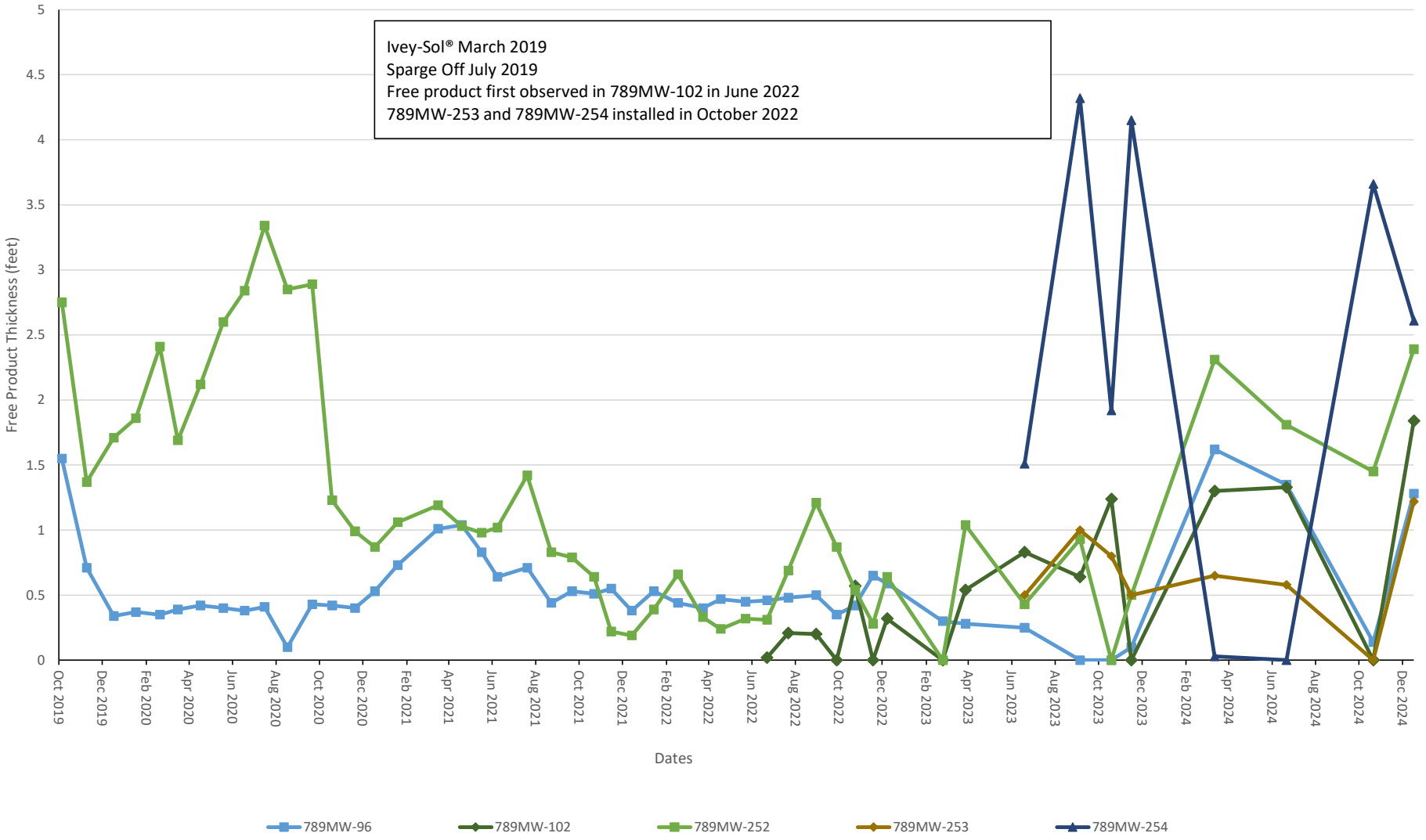
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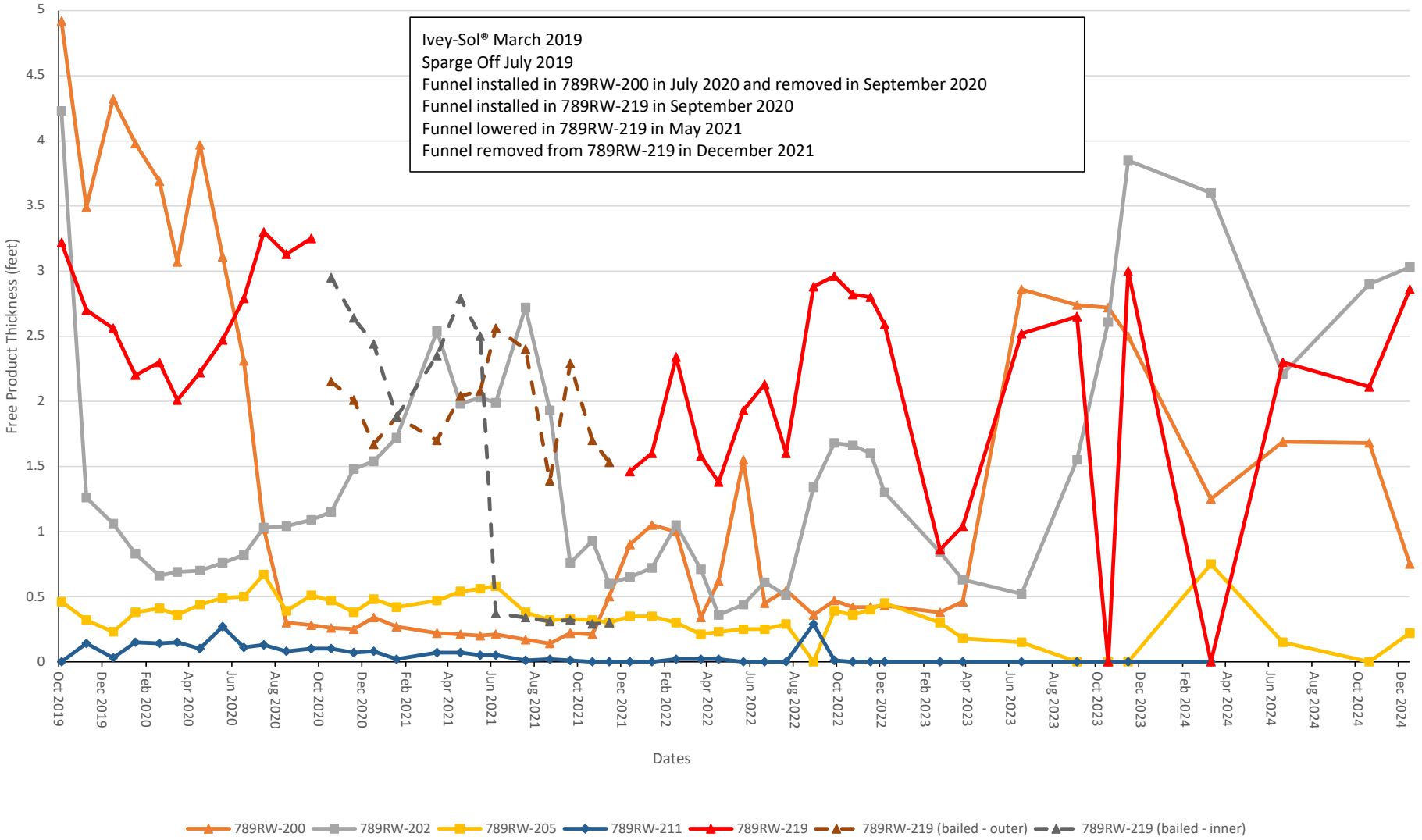
Figures

Figure 4a SS067 (Building 789) Free Product Thicknesses in Monitoring Wells
Former Griffiss Air Force Base, Rome, New York



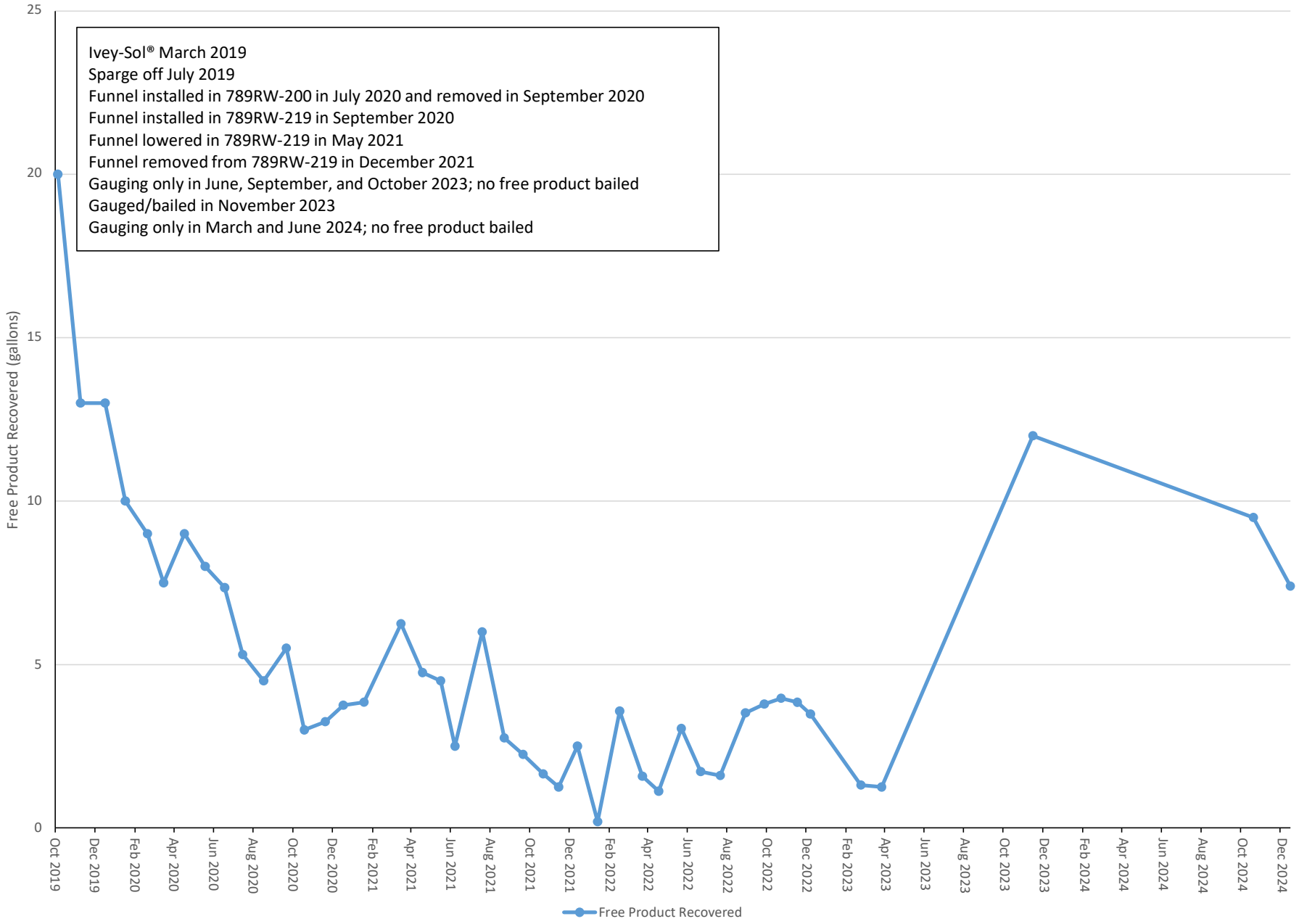
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Figure 4b SS067 (Building 789) Free Product Thicknesses in Recovery Wells
Former Griffiss Air Force Base, Rome, New York



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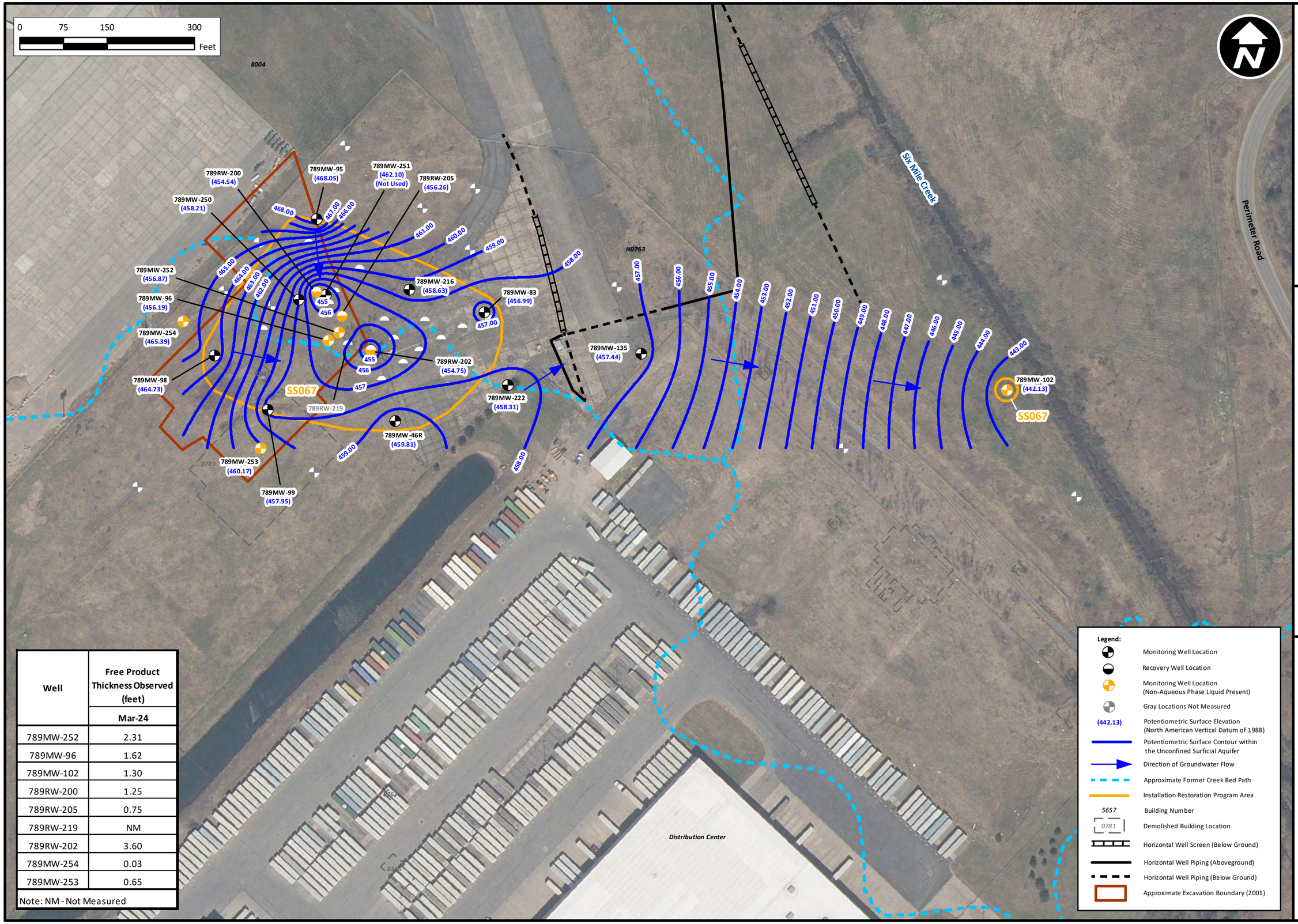
Figure 5 SS067 (Building 789) Free Product Recovered
Former Griffiss Air Force Base, Rome, New York



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SS067 Potentiometric Surface (March 2024)

Figure 6



Well	Free Product Thickness Observed (feet)
	Mar-24
789MW-252	2.31
789MW-96	1.62
789MW-102	1.30
789RW-200	1.25
789RW-205	0.75
789RW-219	NM
789RW-202	3.60
789MW-254	0.03
789MW-253	0.65

Note: NM - Not Measured

Legend:

- Monitoring Well Location
- Recovery Well Location
- Monitoring Well Location (Non-Aqueous Phase Liquid Present)
- Gray Locations Not Measured
- (442.13) Potentiometric Surface Elevation (North American Vertical Datum of 1988)
- Potentiometric Surface Contour within the Unconfined Surficial Aquifer
- Direction of Groundwater Flow
- Approximate Former Creek Bed Path
- Installation Restoration Program Area
- 5657 Building Number
- 0781 Demolished Building Location
- Horizontal Well Screen (Below Ground)
- Horizontal Well Piping (Aboveground)
- Horizontal Well Piping (Below Ground)
- Approximate Excavation Boundary (2001)

2024 Annual Monitoring Report For Petroleum Spill Sites
Former Griffiss Air Force Base, Rome, New York

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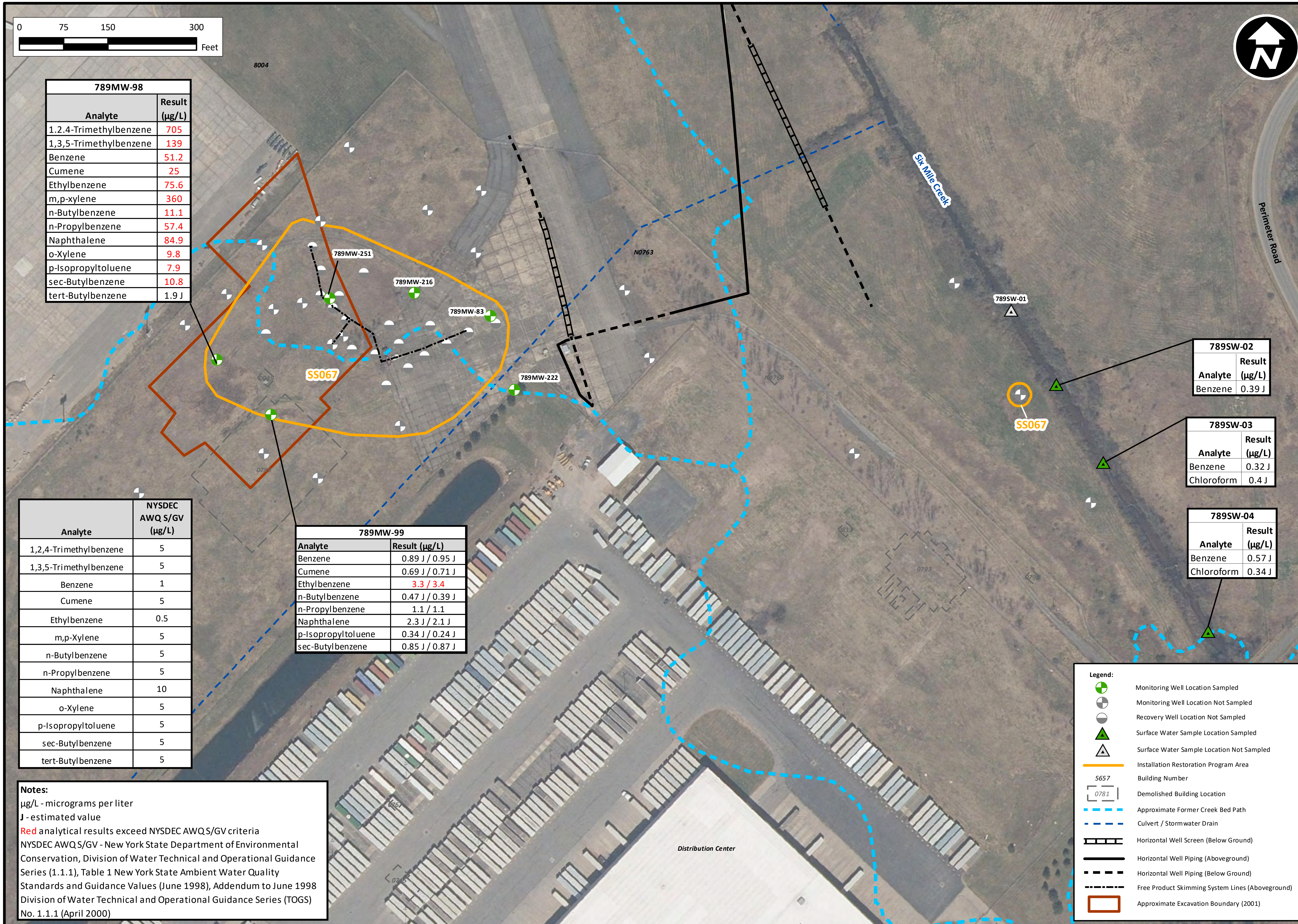
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Figures



789MW-98	
Analyte	Result (µg/L)
1.2.4-Trimethylbenzene	705
1,3,5-Trimethylbenzene	139
Benzene	51.2
Cumene	25
Ethylbenzene	75.6
m,p-xylene	360
n-Butylbenzene	11.1
n-Propylbenzene	57.4
Naphthalene	84.9
o-Xylene	9.8
p-Isopropyltoluene	7.9
sec-Butylbenzene	10.8
tert-Butylbenzene	1.9 J

Analyte	NYSDEC AWQ S/GV (µg/L)
1,2,4-Trimethylbenzene	5
1,3,5-Trimethylbenzene	5
Benzene	1
Cumene	5
Ethylbenzene	0.5
m,p-Xylene	5
n-Butylbenzene	5
n-Propylbenzene	5
Naphthalene	10
o-Xylene	5
p-Isopropyltoluene	5
sec-Butylbenzene	5
tert-Butylbenzene	5

789MW-99	
Analyte	Result (µg/L)
Benzene	0.89 J / 0.95 J
Cumene	0.69 J / 0.71 J
Ethylbenzene	3.3 / 3.4
n-Butylbenzene	0.47 J / 0.39 J
n-Propylbenzene	1.1 / 1.1
Naphthalene	2.3 J / 2.1 J
p-Isopropyltoluene	0.34 J / 0.24 J
sec-Butylbenzene	0.85 J / 0.87 J

789SW-02	
Analyte	Result (µg/L)
Benzene	0.39 J

789SW-03	
Analyte	Result (µg/L)
Benzene	0.32 J
Chloroform	0.4 J

789SW-04	
Analyte	Result (µg/L)
Benzene	0.57 J
Chloroform	0.34 J

Notes:
µg/L - micrograms per liter
J - estimated value
Red analytical results exceed NYSDEC AWQ S/GV criteria
NYSDEC AWQ S/GV - New York State Department of Environmental Conservation, Division of Water Technical and Operational Guidance Series (1.1.1), Table 1 New York State Ambient Water Quality Standards and Guidance Values (June 1998), Addendum to June 1998 Division of Water Technical and Operational Guidance Series (TOGS) No. 1.1.1 (April 2000)

Legend:
- Monitoring Well Location Sampled
- Monitoring Well Location Not Sampled
- Recovery Well Location Not Sampled
- Surface Water Sample Location Sampled
- Surface Water Sample Location Not Sampled
- Installation Restoration Program Area
- 5657 Building Number
- 0781 Demolished Building Location
- Approximate Former Creek Bed Path
- Culvert / Stormwater Drain
- Horizontal Well Screen (Below Ground)
- Horizontal Well Piping (Aboveground)
- Horizontal Well Piping (Below Ground)
- Free Product Skimming System Lines (Aboveground)
- Approximate Excavation Boundary (2001)

SS067 Groundwater and Surface Water Sample Detections (March 2024)

Figure 7

2024 Annual Monitoring Report For Petroleum Spill Sites
Former Griffiss Air Force Base, Rome, New York

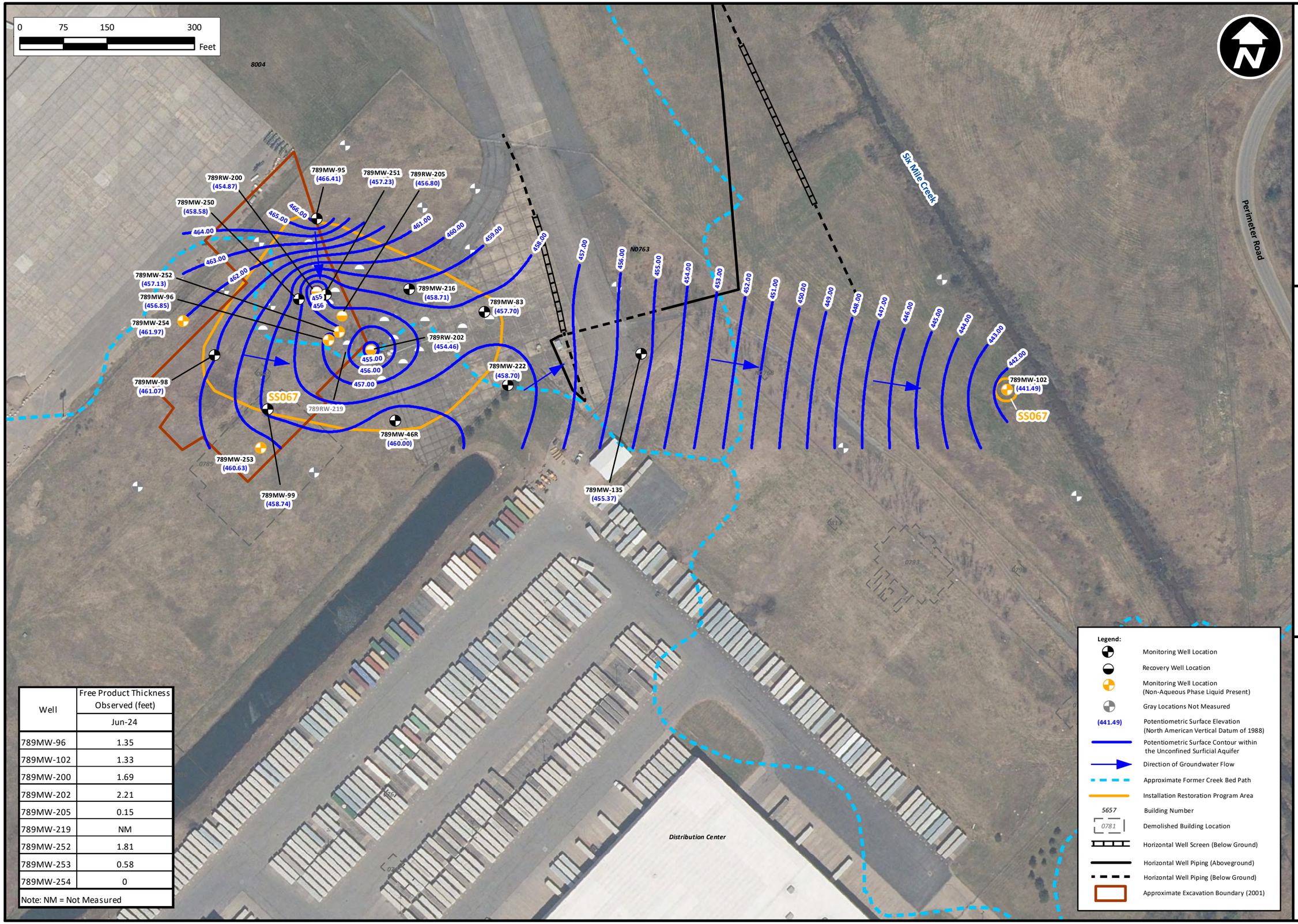
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Figures



Well	Free Product Thickness Observed (feet)
	Jun-24
789MW-96	1.35
789MW-102	1.33
789MW-200	1.69
789MW-202	2.21
789MW-205	0.15
789MW-219	NM
789MW-252	1.81
789MW-253	0.58
789MW-254	0

Note: NM = Not Measured

Legend:

- Monitoring Well Location
- Recovery Well Location
- Monitoring Well Location (Non-Aqueous Phase Liquid Present)
- Gray Locations Not Measured
- (441.49) Potentiometric Surface Elevation (North American Vertical Datum of 1988)
- Potentiometric Surface Contour within the Unconfined Surficial Aquifer
- Direction of Groundwater Flow
- Approximate Former Creek Bed Path
- Installation Restoration Program Area
- 5657 Building Number
- 0781 Demolished Building Location
- Horizontal Well Screen (Below Ground)
- Horizontal Well Piping (Aboveground)
- Horizontal Well Piping (Below Ground)
- Approximate Excavation Boundary (2001)

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SS067 Potentiometric Surface (June 2024)

Figure 8

2024 Annual Monitoring Report For Petroleum Spill Sites
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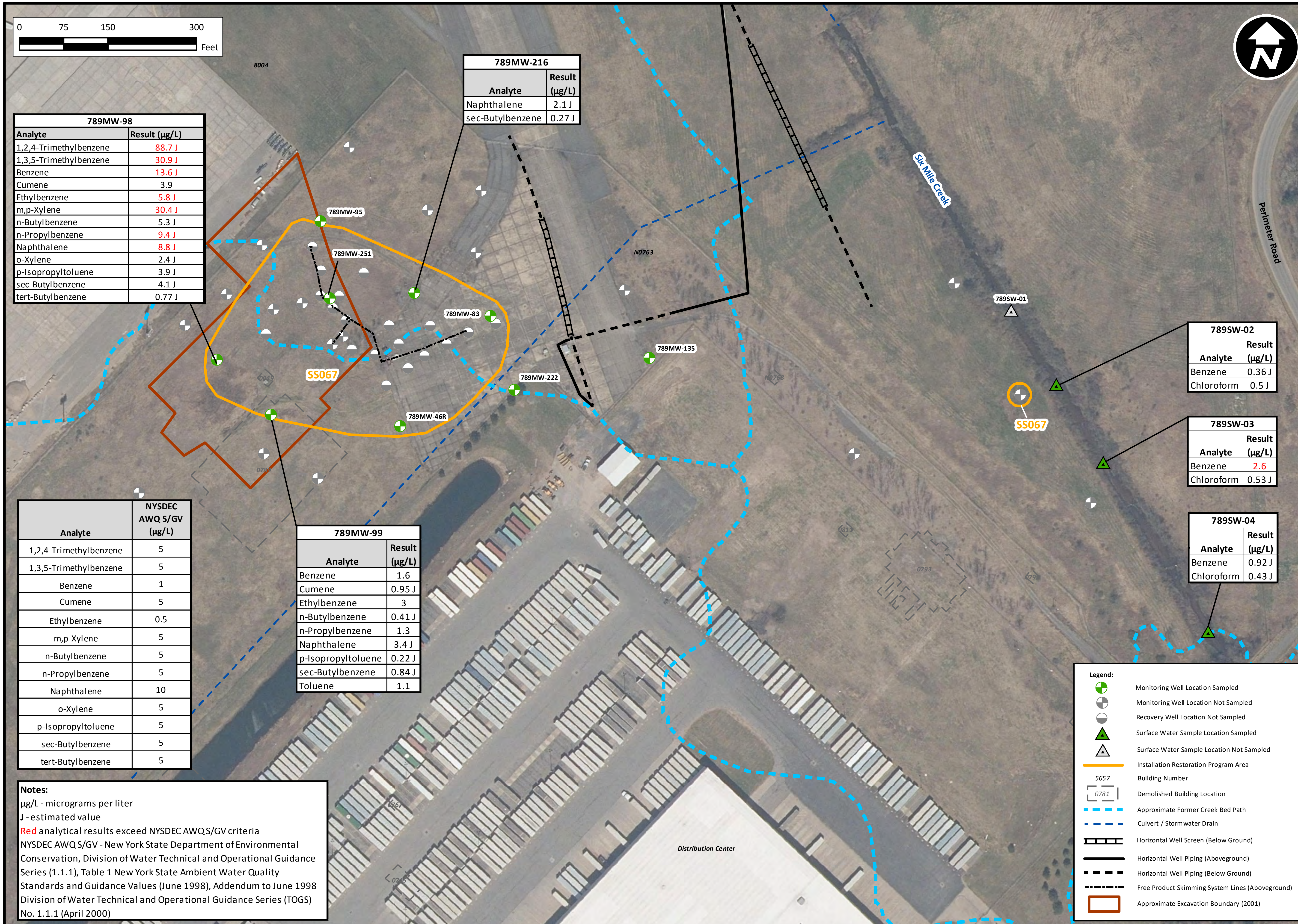
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Figures



789MW-98	
Analyte	Result (µg/L)
1,2,4-Trimethylbenzene	88.7 J
1,3,5-Trimethylbenzene	30.9 J
Benzene	13.6 J
Cumene	3.9
Ethylbenzene	5.8 J
m,p-Xylene	30.4 J
n-Butylbenzene	5.3 J
n-Propylbenzene	9.4 J
Naphthalene	8.8 J
o-Xylene	2.4 J
p-Isopropyltoluene	3.9 J
sec-Butylbenzene	4.1 J
tert-Butylbenzene	0.77 J

789MW-216	
Analyte	Result (µg/L)
Naphthalene	2.1 J
sec-Butylbenzene	0.27 J

789MW-99	
Analyte	Result (µg/L)
Benzene	1.6
Cumene	0.95 J
Ethylbenzene	3
n-Butylbenzene	0.41 J
n-Propylbenzene	1.3
Naphthalene	3.4 J
p-Isopropyltoluene	0.22 J
sec-Butylbenzene	0.84 J
Toluene	1.1

Analyte	NYSDEC AWQ S/GV (µg/L)
1,2,4-Trimethylbenzene	5
1,3,5-Trimethylbenzene	5
Benzene	1
Cumene	5
Ethylbenzene	0.5
m,p-Xylene	5
n-Butylbenzene	5
n-Propylbenzene	5
Naphthalene	10
o-Xylene	5
p-Isopropyltoluene	5
sec-Butylbenzene	5
tert-Butylbenzene	5

789SW-02	
Analyte	Result (µg/L)
Benzene	0.36 J
Chloroform	0.5 J

789SW-03	
Analyte	Result (µg/L)
Benzene	2.6
Chloroform	0.53 J

789SW-04	
Analyte	Result (µg/L)
Benzene	0.92 J
Chloroform	0.43 J

Notes:
µg/L - micrograms per liter
J - estimated value
Red analytical results exceed NYSDEC AWQ S/GV criteria
NYSDEC AWQ S/GV - New York State Department of Environmental Conservation, Division of Water Technical and Operational Guidance Series (1.1.1), Table 1 New York State Ambient Water Quality Standards and Guidance Values (June 1998), Addendum to June 1998 Division of Water Technical and Operational Guidance Series (TOGS) No. 1.1.1 (April 2000)

Legend:
- Monitoring Well Location Sampled
- Monitoring Well Location Not Sampled
- Recovery Well Location Not Sampled
- Surface Water Sample Location Sampled
- Surface Water Sample Location Not Sampled
- Installation Restoration Program Area
- 5657 Building Number
- 0781 Demolished Building Location
- Approximate Former Creek Bed Path
- Culvert / Stormwater Drain
- Horizontal Well Screen (Below Ground)
- Horizontal Well Piping (Aboveground)
- Horizontal Well Piping (Below Ground)
- Free Product Skimming System Lines (Aboveground)
- Approximate Excavation Boundary (2001)

SS067 Groundwater and Surface Water Sample Detections (June 2024)

Figure 9

2024 Annual Monitoring Report For Petroleum Spill Sites
Former Griffiss Air Force Base, Rome, New York

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Figures

SS067 Potentiometric Surface (September 2024)

Figure 10

0 75 150 300 Feet

789RW-200 (453.97)
789MW-251 (456.29)
789RW-205 (455.96)
789MW-216 (457.58)
789MW-83 (456.77)
789MW-254 (458.49)
789MW-98 (459.42)
789MW-96 (453.91)
789MW-99 (457.50)
789MW-253 (459.41)
789MW-252 (455.97)
789RW-219
789RW-202 (456.29)
789MW-222 (458.23)
789MW-102 (441.01)
SS067

458.00 459.00 456.00 455.00 454.00 457.00 457.00 456.00 455.00 454.00 453.00 452.00 451.00 450.00 449.00 448.00 447.00 446.00 445.00 444.00 443.00 442.00

Six Mile Creek
Perimeter Road
8004
N0763
0789
0781
0793
5657
Distribution Center

Well	Free Product Thickness Observed (feet)
	Sep-24
789MW-96	0.14
789MW-102	0
789MW-200	1.68
789MW-202	2.9
789MW-205	0
789MW-219	2.11
789MW-252	1.45
789MW-253	0
789MW-254	3.66

Legend:

- Monitoring Well Location
- Recovery Well Location
- Monitoring Well Location (Non-Aqueous Phase Liquid Present)
- Gray Locations Not Measured
- (441.01) Potentiometric Surface Elevation (North American Vertical Datum of 1988)
- Potentiometric Surface Contour within the Unconfined Surficial Aquifer (Dashed Where Inferred)
- Direction of Groundwater Flow
- Approximate Former Creek Bed Path
- Installation Restoration Program Area
- 5657 Building Number
- 0781 Demolished Building Location
- Horizontal Well Screen (Below Ground)
- Horizontal Well Piping (Aboveground)
- Horizontal Well Piping (Below Ground)
- Approximate Excavation Boundary (2001)

2024 Annual Monitoring Report For Petroleum Spill Sites
Former Griffiss Air Force Base, Rome, New York

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Figures

SS067 Groundwater and Surface Water Sample Detections (September 2024)

Figure 11

2024 Annual Monitoring Report For Petroleum Spill Sites
Former Griffiss Air Force Base, Rome, New York

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0 75 150 300 Feet

789MW-98	
Analyte	Result (µg/L)
1.2.4-Trimethylbenzene	135
1,3,5-Trimethylbenzene	76.7
Benzene	80.9
Cumene	10.8
Ethylbenzene	19.4
m,p-xylene	96.5
n-Butylbenzene	19.8
n-Propylbenzene	29.9
Naphthalene	26
o-Xylene	5.3
p-Isopropyltoluene	11.3
sec-Butylbenzene	11.8
tert-Butylbenzene	1.6
Toluene	2.2
Total Xylenes	102

789SW-02	
Analyte	Result (µg/L)
Chloroform	0.37 J

789SW-03	
Analyte	Result (µg/L)
Benzene	0.45 J
Chloroform	0.37 J

789SW-04	
Analyte	Result (µg/L)
Chloroform	0.36 J

789MW-99	
Analyte	Result (µg/L)
Benzene	1.7 / 1.5
Cumene	0.99 J / 0.95 J
Ethylbenzene	1.9 / 1.8
n-Butylbenzene	0.4 J / 0.33 J
n-Propylbenzene	1.6 / 1.5
Naphthalene	2.7 J / 3.8 J
sec-Butylbenzene	0.84 J /0.77 J
Toluene	0.86 J / 0.85 J

Analyte	NYSDEC AWQ S/GV (µg/L)
1,2,4-Trimethylbenzene	5
1,3,5-Trimethylbenzene	5
Benzene	1
Cumene	5
Ethylbenzene	0.5
m,p-Xylene	5
n-Butylbenzene	5
n-Propylbenzene	5
Naphthalene	10
o-Xylene	5
p-Isopropyltoluene	5
sec-Butylbenzene	5
tert-Butylbenzene	5

Notes:
µg/L - micrograms per liter
J - estimated value
NC - No criteria
Red analytical results exceed NYSDEC AWQ S/GV criteria
NYSDEC AWQ S/GV - New York State Department of Environmental Conservation, Division of Water Technical and Operational Guidance Series (1.1.1), Table 1 New York State Ambient Water Quality Standards and Guidance Values (June 1998), Addendum to June 1998 Division of Water Technical and Operational Guidance Series (TOGS) No. 1.1.1 (April 2000)

Legend:
- Monitoring Well Location Sampled
- Monitoring Well Location Not Sampled
- Recovery Well Location Not Sampled
- Surface Water Sample Location Sampled
- Surface Water Sample Location Not Sampled
- Installation Restoration Program Area
- 5657 Building Number
- 0781 Demolished Building Location
- Approximate Former Creek Bed Path
- Culvert / Stormwater Drain
- Horizontal Well Screen (Below Ground)
- Horizontal Well Piping (Aboveground)
- Horizontal Well Piping (Below Ground)
- Free Product Skimming System Lines (Aboveground)
- Approximate Excavation Boundary (2001)

Six Mile Creek
Perimeter Road
Distribution Center
789MW-251
789MW-216
789MW-83
789MW-222
789SW-01
SS067
8004
N0763
N0768
0793
0781
0467

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Figures

SS067 Potentiometric Surface (December 2024)

Figure 12

2024 Annual Monitoring Report For Petroleum Spill Sites
Former Griffiss Air Force Base, Rome, New York

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0 75 150 300 Feet

Analyte	NYSDEC AWQ S/GV (µg/L)
1,2,4-Trimethylbenzene	5
1,3,5-Trimethylbenzene	5
Benzene	1
Cumene	5
Ethylbenzene	0.5
m,p-Xylene	5
n-Butylbenzene	5
n-Propylbenzene	5
Naphthalene	10
o-Xylene	5
p-Isopropyltoluene	5
sec-Butylbenzene	5
tert-Butylbenzene	5

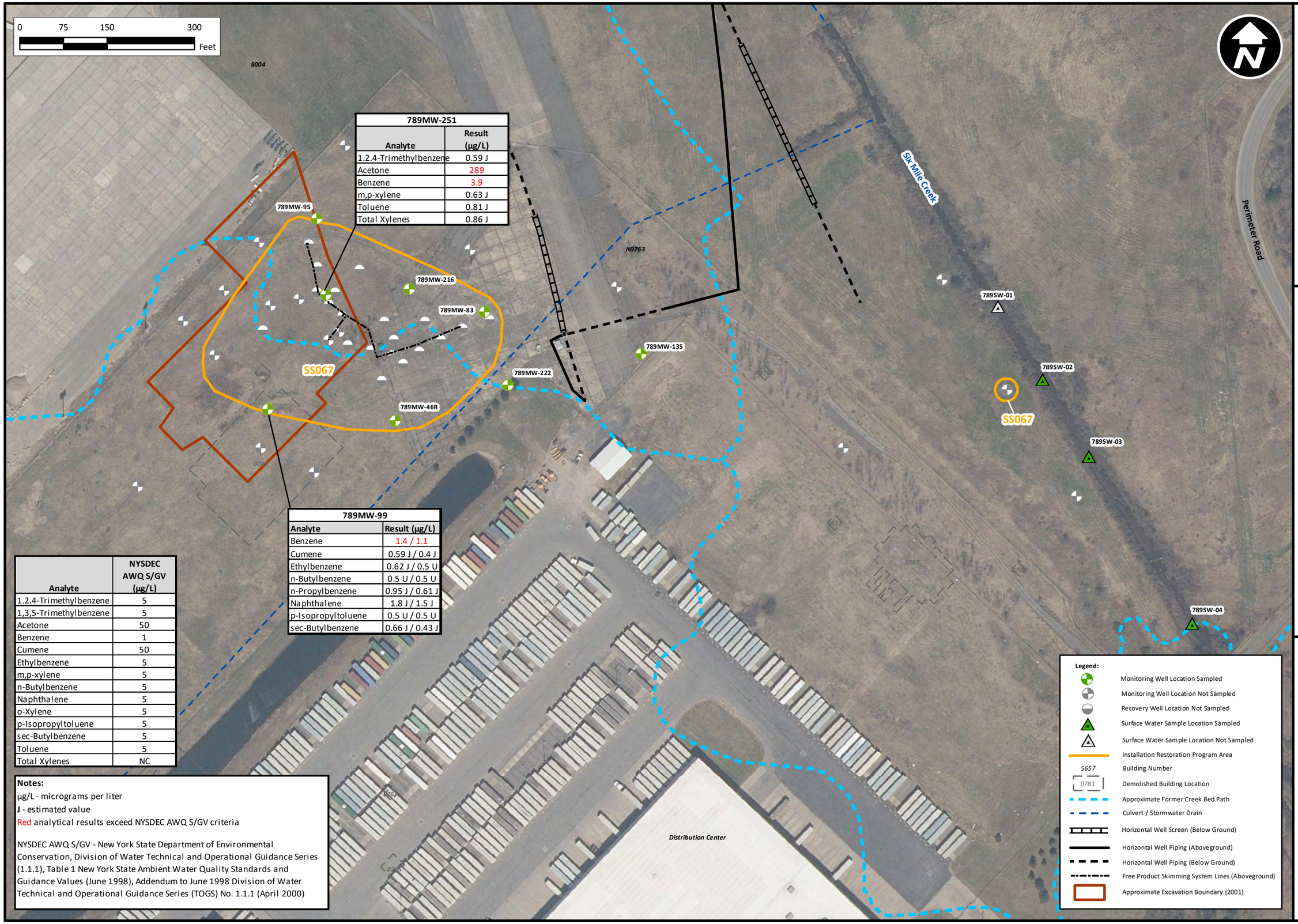
Legend:

- Monitoring Well Location
- Recovery Well Location
- Monitoring Well Location (Non-Aqueous Phase Liquid Present)
- Gray Locations Not Measured
- (456.14) Potentiometric Surface Elevation (North American Vertical Datum of 1988)
- Potentiometric Surface Contour within the Unconfined Surficial Aquifer (Dashed Where Inferred)
- Direction of Groundwater Flow
- Approximate Former Creek Bed Path
- Installation Restoration Program Area
- 5657 Building Number
- 0781 Demolished Building Location
- Horizontal Well Screen (Below Ground)
- Horizontal Well Piping (Aboveground)
- Horizontal Well Piping (Below Ground)
- Approximate Excavation Boundary (2001)

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Figures



SS067 Groundwater and Surface Water Sample Detections (December 2024)

Figure 13

2024 Annual Monitoring Report For Petroleum Spill Sites
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Figures

SS067 (Building 789)
Surface Water Sample Benzene Detections
(March 2024 - December 2024)

Figure 14

0 75 150 300 Feet

789SW-03	Date		
Analyte (µg/L)	*3/12/2024*	*6/21/2024*	*9/26/2024*
Benzene	0.32 J	2.6	0.45 J

789SW-04	Date	
Analyte (µg/L)	*3/12/2024*	*6/21/2024*
Benzene	0.57 J	0.92 J

Analyte	NYSDEC AWQ S/GV (µg/L)
Benzene	1

Notes:
µg/L - micrograms per liter
J - estimated value
Bold analytical results indicate detection
Red analytical results exceed NYSDEC AWQ S/GV criteria

NYSDEC AWQ S/GV - New York State Department of Environmental Conservation, Division of Water Technical and Operational Guidance Series (1.1.1), Table 1 New York State Ambient Water Quality Standards and Guidance Values (June 1998), Addendum to June 1998 Division of Water Technical and Operational Guidance Series (TOGS) No. 1.1.1 (April 2000)

Legend:
- Monitoring Well Location
- Recovery Well Location
- Surface Water Sample Location
- Installation Restoration Program Area
- 5657 Building Number
- 0781 Demolished Building Location
- Approximate Former Creek Bed Path
- Former Fuel Pipeline (Underground)
- Culvert / Stormwater Drain
- Horizontal Well Screen (Below Ground)
- Horizontal Well Piping (Aboveground)
- Horizontal Well Piping (Below Ground)
- Free Product Skimming System Lines (Aboveground)
- Approximate Excavation Boundary (2001)

2024 Annual Monitoring Report For Petroleum Spill Sites
Former Griffiss Air Force Base, Rome, New York

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Figures

TABLES

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Table 1 SS067 (Building 789)
Groundwater Analytical Summary Table - Detected Results (2024)
2024 Annual Monitoring Report for Petroleum Spill Sites
Griffiss Air Force Base, New York

Location ID:		789MW-83	789MW-98	789MW-99		789MW-216	789MW-222	789MW-251
Field Sample ID:		789MW-83_0324	789MW-98_0324	789MW-99_0324	789MW-99_0324-A	789MW-216_0324	789MW-222_0324	789MW-251_0324
Sample Date:		3/12/2024	3/12/2024	3/12/2024	3/12/2024	3/12/2024	3/12/2024	3/12/2024
Sample Type:		Normal	Normal	Normal	Field Duplicate	Normal	Normal	Normal
Analyte	NYSDEC AWQ S/GV	2024 Quarter 1 (µg/L)						
1,1,1,2-Tetrachloroethane	5	0.5 U	1.3 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	5	0.5 U	1.3 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	5	0.5 U	1.3 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	0.5 U	1.3 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	5	0.5 U	1.3 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	5	0.5 U	1.3 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	5	0.5 U	1.3 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichlorobenzene	5	1 U	2.5 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichloropropane	0.04	1 U	2.5 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	5	1 U	2.5 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	5	**0.77 J**	**705**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromo-3-chloropropane	0.04	2 U	5 U	2 U	2 U	2 U	2 U	2 U
1,2-Dibromoethane	0.0006	1 U	2.5 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	3	0.5 U	1.3 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.6	0.5 U	1.3 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethene	NC	1 U	2.5 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1	0.5 U	1.3 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3,5-Trimethylbenzene	5	0.5 U	**139**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	3	0.5 U	1.3 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichloropropane	5	0.5 U	1.3 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-Dichlorobenzene	3	0.5 U	1.3 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,2-Dichloropropane	5	0.5 U	1.3 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Butanone	50	3.5 U	8.8 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
2-Chlorotoluene	5	0.5 U	1.3 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Hexanone	50	5 U	13 U	5 U	5 U	5 U	5 U	5 U
4-Chlorotoluene	5	0.5 U	1.3 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Methyl-2-pentanone	NC	2 U	**4.6 J**	**1.2 J**	**1.3 J**	2 U	2 U	**1.7 J**
Acetone	50	20 U	50 U	20 U	20 U	20 U	20 U	20 U
Benzene	1	0.5 U	**51.2**	**0.89 J**	**0.95 J**	0.5 U	0.5 U	0.5 U
Bromobenzene	5	0.5 U	1.3 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	5	0.5 U	1.3 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	50	0.5 U	1.3 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U
Bromoform	50	0.5 U	1.3 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	5	4 U	10 U	4 U	4 U	4 U	4 U	4 U
Carbon disulfide	60	1 U	2.5 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	0.5 U	1.3 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	0.5 U	1.3 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	5	1 U	2.5 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7	0.5 U	1.3 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloromethane	5	1 U	2.5 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5	0.5 U	1.3 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.4	0.5 U	1.3 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Isopropylbenzene	5	0.5 U	**25**	**0.69 J**	**0.71 J**	0.5 U	0.5 U	0.5 U
Dibromochloromethane	50	0.5 U	1.3 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U
Dibromomethane	5	0.5 U	1.3 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	5	1 U	2.5 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	0.5 U	**75.6**	**3.3**	**3.4**	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene	0.5	1 U	2.5 U	1 U	1 U	1 U	1 U	1 U
m,p-Xylene	5	1 U	**360**	1 U	1 U	1 U	1 U	1 U
Methyl tert-butyl ether	10	0.5 U	1.3 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene chloride	5	4 U	10 U	4 U	4 U	4 U	4 U	4 U
Naphthalene	10	2 U	**84.9**	**2.3 J**	**2.1 J**	2 U	2 U	2 U
n-Butylbenzene	5	0.5 U	**11.1**	**0.47 J**	**0.39 J**	0.5 U	0.5 U	0.5 U
n-Propylbenzene	5	0.5 U	**57.4**	**1.1**	**1.1**	0.5 U	0.5 U	0.5 U
o-Xylene	5	0.5 U	**9.8**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
p-Isopropyltoluene	5	0.5 U	**7.9**	**0.34 J**	**0.24 J**	0.5 U	0.5 U	0.5 U
sec-Butylbenzene	5	0.5 U	**10.8**	**0.85 J**	**0.87 J**	0.5 U	0.5 U	0.5 U
Styrene	5	0.5 U	1.3 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tert-Butylbenzene	5	0.5 U	**1.9 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	5	0.5 U	1.3 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5	0.5 U	2.5 U	1 U	1 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	5	0.5 U	1.3 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	0.4	0.5 U	1.3 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U
Trichloroethene	5	0.5 U	1.3 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	5	1 U	2.5 U	1 U	1 U	1 U	1 U	1 U
Vinyl acetate	NC	5 U	13 U	5 U	5 U	5 U	5 U	5 U
Vinyl chloride	2	0.5 U	1.3 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Xylenes, Total	NC	1.5 U	**370**	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U

Notes:
* Sampled following bailing of free product
ID = identification
NC = no criteria
J = estimated value
U = not detected; reported to limit of detection
UJ = The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality
µg/L = micrograms per liter
Bold analytical results indicate detection
Red analytical results exceed NYSDEC AWQ S
NYSDEC AWQ S/GV = New York State Department of Environmental Conservation, Division of Water Technical and Operational Guidance Series (TOGS) (1.1.1), Table 1 New York State Ambient Water Quality Standards and Guidance Values (June 1998);

Table 1 SS067 (Building 789)
Groundwater Analytical Summary Table - Detected Results (2024)
2024 Annual Monitoring Report for Petroleum Spill Sites
Griffiss Air Force Base, New York

Location ID:		789MW-46R	789MW-83	789MW-95	789MW-98	789MW-99		789MW-135	789MW-216	789MW-222	789MW-251
Field Sample ID:		789MW-46R_0624	789MW-83_0624	789MW-95_0624	789MW-98_0624	789MW-99_0624	789MW-99_0624-A	789MW-135_0624	789MW-216-0624	789MW-222_0624	789MW-251_0624
Sample Date:		6/20/2024	6/21/2024	6/20/2024	6/20/2024	6/20/2024	6/20/2024	6/21/2024	6/21/2024	6/21/2024	6/20/2024
Sample Type:		Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Analyte	NYSDEC AWQ S/GV	2024 Quarter 2 (µg/L)									
1,1,1,2-Tetrachloroethane	5	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	5	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	5	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	5	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	5	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	5	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichlorobenzene	5	1 U	1 U	1 U	2 UJ	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichloropropane	0.04	1 U	1 U	1 U	2 UJ	1 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	5	1 U	1 U	1 U	2 UJ	1 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	5	0.5 U	0.5 U	0.5 U	**88.7 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromo-3-chloropropane	0.04	2 U	2 U	2 U	4 UJ	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dibromoethane	0.0006	1 U	1 U	1 U	2 UJ	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	3	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.6	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethene	NC	1 U	1 U	1 U	2 UJ	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3,5-Trimethylbenzene	5	0.5 U	0.5 U	0.5 U	**30.9 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	3	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichloropropane	5	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-Dichlorobenzene	3	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,2-Dichloropropane	5	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Butanone	50	3.5 U	3.5 U	3.5 U	7 UJ	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
2-Chlorotoluene	5	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Hexanone	50	5 U	5 U	5 U	10 UJ	5 U	5 U	5 U	5 U	5 U	5 U
4-Chlorotoluene	5	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Methyl-2-pentanone	NC	2 U	2 U	2 U	**2.9 J**	2 U	2 U	2 U	2 U	2 U	2 U
Acetone	50	20 U	20 U	20 U	40 UJ	20 U	20 U	20 U	20 U	20 U	20 U
Benzene	1	0.5 U	0.5 U	0.5 U	**13.6 J**	**1.6**	**1.6**	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene	5	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	5	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	50	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	50	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	5	4 U	4 U	4 U	8 UJ	4 U	4 U	4 U	4 U	4 U	4 U
Carbon disulfide	60	1 U	1 U	1 U	2 UJ	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	5	1 U	1 U	1 U	2 UJ	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloromethane	5	1 U	1 U	1 U	2 UJ	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.4	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Isopropylbenzene	5	0.5 U	0.5 U	0.5 U	**3.9**	**0.95 J**	**0.89 J**	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	50	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	5	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	5	1 U	1 U	1 U	2 UJ	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	0.5 U	0.5 U	0.5 U	**5.8 J**	**3**	**3**	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene	0.5	1 U	1 U	1 U	2 UJ	1 U	1 U	1 U	1 U	1 U	1 U
m,p-Xylene	5	1 U	1 U	1 U	**30.4 J**	1 U	1 U	1 U	1 U	1 U	1 U
Methyl tert-butyl ether	10	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene chloride	5	4 U	4 U	4 U	8 UJ	4 U	4 U	4 U	4 U	4 U	4 U
Naphthalene	5	2 U	2 U	2 U	**8.8 J**	**3.4 J**	**3.4 J**	2 U	**2.1 J**	2 U	2 U
n-Butylbenzene	5	0.5 U	0.5 U	0.5 U	**5.3 J**	**0.41 J**	**0.35 J**	0.5 U	0.5 U	0.5 U	0.5 U
n-Propylbenzene	5	0.5 U	0.5 U	0.5 U	**9.4 J**	**1.3**	**1.3**	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	5	0.5 U	0.5 U	0.5 U	**2.4 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
p-Isopropyltoluene	5	0.5 U	0.5 U	0.5 U	**3.9 J**	**0.22 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
sec-Butylbenzene	5	0.5 UJ	0.5 UJ	0.5 UJ	**4.1 J**	**0.84 J**	**0.81 J**	0.5 UJ	**0.27 J**	0.5 UJ	0.5 UJ
Styrene	5	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tert-Butylbenzene	5	0.5 U	0.5 U	0.5 U	**0.77 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	5	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5	0.5 U	0.5 U	0.5 U	**0.68 J**	**1.1**	**1.1**	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	5	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	0.4	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	5	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	5	1 U	1 U	1 U	2 UJ	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl acetate	NC	5 U	5 U	5 U	10 UJ	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl chloride	2	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Xylenes, Total	NC	1.5 U	1.5 U	1.5 U	**32.8 J**	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U

Notes:
* Sampled following bailing of free product
ID = identification
NC = no criteria
J = estimated value
U = not detected; reported to limit of detection
UJ = The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria
µg/L = micrograms per liter
Bold analytical results indicate detection
Red analytical results exceed NYSDEC AWQ S
NYSDEC AWQ S/GV = New York State Department of Environmental Conservation, Division of Water Technical and Operational Guidance Series (TOGS) (1.1.1), Table 1 New York State Ambient Water Quality Standards and Guidance Values (June 1998); Addendum to June 1998 Division of Water Technical

Table 1 SS067 (Building 789)
Groundwater Analytical Summary Table - Detected Results (2024)
2024 Annual Monitoring Report for Petroleum Spill Sites
Griffiss Air Force Base, New York

Location ID:		789MW-83	789MW-98	789MW-99		789MW-216	789MW-222
Field Sample ID:		789MW-83-0924	789MW-98_0924	789MW-99-0924	789MW-99_0924-A	789MW-216-0924	789MW-222-0924
Sample Date:		9/25/2024	9/25/2024	9/25/2024	9/25/2024	9/26/2024	9/25/2024
Sample Type:		Normal	Normal	Normal	Normal	Normal	Normal
Analyte	NYSDEC AWQ S/GV	2024 Quarter 3 (µg/L)					
1,1,1,2-Tetrachloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichlorobenzene	5	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichloropropane	0.04	1 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	5	1 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	5	0.5 U	**135**	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromo-3-chloropropane	0.04	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dibromoethane	0.0006	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethene	NC	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3,5-Trimethylbenzene	5	0.5 U	**76.7**	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichloropropane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-Dichlorobenzene	3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,2-Dichloropropane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Butanone	50	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
2-Chlorotoluene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Hexanone	50	5 U	5 U	5 U	5 U	5 U	5 U
4-Chlorotoluene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Methyl-2-pentanone	NC	2 U	**33.1**	2 U	2 U	2 U	2 U
Acetone	50	20 U	20 U	20 U	20 U	20 U	20 U
Benzene	1	0.5 U	**80.9**	**1.7**	**1.5**	0.5 U	0.5 U
Bromobenzene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	5	4 U	4 U	4 U	4 U	4 U	4 U
Carbon disulfide	60	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloromethane	5	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Isopropylbenzene	50	0.5 U	**10.8**	**0.99 J**	**0.95 J**	0.5 U	0.5 U
Dibromochloromethane	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	0.5 U	**19.4**	**1.9**	**1.8**	0.5 U	0.5 U
Hexachlorobutadiene	0.5	1 U	1 U	1 U	1 U	1 U	1 U
m,p-Xylene	5	1 U	**96.5**	1 U	1 U	1 U	1 U
Methyl tert-butyl ether	10	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene chloride	5	4 U	4 U	4 U	4 U	4 U	4 U
Naphthalene	10	2 U	**26**	**2.7 J**	**3.8 J**	2 U	2 U
n-Butylbenzene	5	0.5 U	**19.8**	**0.4 J**	**0.33 J**	0.5 U	0.5 U
n-Propylbenzene	5	0.5 U	**29.9**	**1.6**	**1.5**	0.5 U	0.5 U
o-Xylene	5	0.5 U	**5.3**	0.5 U	0.5 U	0.5 U	0.5 U
p-Isopropyltoluene	5	0.5 U	**11.3**	0.5 U	0.5 U	0.5 U	0.5 U
sec-Butylbenzene	5	0.5 U	**11.8**	**0.84 J**	**0.77 J**	0.5 U	0.5 U
Styrene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tert-Butylbenzene	5	0.5 U	**1.6**	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5	0.5 U	**2.2**	**0.86 J**	**0.85 J**	0.5 U	0.5 U
trans-1,2-Dichloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	0.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl acetate	NC	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl chloride	2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Xylenes, Total	NC	1.5 U	**102**	1.5 U	1.5 U	1.5 U	1.5 U

Notes:
* Sampled following bailing of free product
ID = identification
NC = no criteria
J = estimated value
U = not detected; reported to limit of detection
UJ = The analyte was not detected; however, the result is estimated due to discrepancies in meeting
µg/L = micrograms per liter
Bold analytical results indicate detection
Red analytical results exceed NYSDEC AWQ S
NYSDEC AWQ S/GV = New York State Department of Environmental Conservation, Division of Water Technical and Operational Guidance Series (TOGS) (1.1.1), Table 1 New York State Ambient Water Quality

Table 1 SS067 (Building 789)
Groundwater Analytical Summary Table - Detected Results (2024)
2024 Annual Monitoring Report for Petroleum Spill Sites
Griffiss Air Force Base, New York

Location ID:		789MW-46R	789MW-83	789MW-95	789MW-99		789MW-135	789MW-216	789MW-222	789MW-251
Field Sample ID:		789MW-46R_1224	789MW-83_1224	789MW-95_1224	789MW-99_1224	789MW-99_1224-A	789MW-135_1224	789MW-216_1224	789MW-222_1224	789MW-251_1224
Sample Date:		12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024
Sample Type:		Normal	Normal	Normal	Normal	Field Duplicate	Normal	Normal	Normal	Normal
Analyte	NYSDEC AWQ S/GV	2024 Quarter 4 (µg/L)								
1,1,1,2-Tetrachloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichlorobenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichloropropane	0.04	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.59 J**
1,2-Dibromo-3-chloropropane	0.04	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dibromoethane	0.0006	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethene	NC	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3,5-Trimethylbenzene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichloropropane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-Dichlorobenzene	3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,2-Dichloropropane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Butanone	50	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
2-Chlorotoluene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Hexanone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Chlorotoluene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Methyl-2-pentanone	NC	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Acetone	50	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	**289**
Benzene	1	0.5 U	0.5 U	0.5 U	**1.4**	**1.1**	0.5 U	0.5 U	0.5 U	**3.9**
Bromobenzene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	5	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 UJ	4 U
Carbon disulfide	60	**0.67 J**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Isopropylbenzene	5	0.5 U	0.5 U	0.5 U	**0.59 J**	**0.4 J**	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	0.5 U	0.5 U	0.5 U	**0.62 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene	0.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
m,p-Xylene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**0.63 J**
Methyl tert-butyl ether	10	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene chloride	5	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U
Naphthalene	10	2 U	2 U	2 U	**1.8 J**	**1.5 J**	2 U	2 U	2 U	2 U
n-Butylbenzene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
n-Propylbenzene	5	0.5 U	0.5 U	0.5 U	**0.95 J**	**0.61 J**	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
p-Isopropyltoluene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
sec-Butylbenzene	5	0.5 U	0.5 U	0.5 U	**0.66 J**	**0.43 J**	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tert-Butylbenzene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5	0.5 U	0.5 U	0.5 U	**0.48 J**	**0.38 J**	0.5 U	0.5 U	0.5 U	**0.81 J**
trans-1,2-Dichloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	0.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl acetate	NC	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl chloride	2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Xylenes, Total	NC	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	**0.86 J**

Notes:
* Sampled following bailing of free product
ID = identification
NC = no criteria
J = estimated value
U = not detected; reported to limit of detection
UJ = The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific
µg/L = micrograms per liter
Bold analytical results indicate detection
Red analytical results exceed NYSDEC AWQ S
NYSDEC AWQ S/GV = New York State Department of Environmental Conservation, Division of Water Technical and Operational Guidance Series (TOGS) (1.1.1), Table 1 New York State Ambient Water Quality Standards and Guidance Values (June 1998);

Table 2 SS067 (Building 789)
Surface Water Analytical Summary Table - Detected Results (2024) -Surface Water
2024 Annual Monitoring Report for Petroleum Spill Sites
Griffiss Air Force Base, New York

Location ID:		789SW-02	789SW-03	789SW-04	789SW-02	789SW-03	789SW-04	789SW-02	789SW-03	789SW-04	789SW-02	789SW-03	789SW-04
Field Sample ID:		789SW-02_0324	789SW-03_0624	789SW-04_0324	789SW-02_0624	789SW-03_0624	789SW-04_0624	789SW-02_0924	789SW-03_0924	789SW-04_0924	789SW-02_1224	789SW-03_1224	789SW-04_1224
Sample Date:		3/12/2024	3/12/2024	3/12/2024	6/21/2024	6/21/2024	6/21/2024	9/26/2024	9/26/2024	9/26/2024	12/17/2024	12/17/2024	12/17/2024
Sample Type:		Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Analyte	NYSDEC AWQ S/GV	2024 Quarter 1 (µg/L)			2024 Quarter 2 (µg/L)			2024 Quarter 3 (µg/L)			2024 Quarter 4 (µg/L)		
1,1,1,2-Tetrachloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichlorobenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichloropropane	0.04	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromo-3-chloropropane	0.04	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dibromoethane	0.0006	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethene	NC	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3,5-Trimethylbenzene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichloropropane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-Dichlorobenzene	3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,2-Dichloropropane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Butanone	50	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
2-Chlorotoluene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Hexanone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Chlorotoluene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Methyl-2-pentanone	NC	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Acetone	50	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Benzene	1	0.5 U	**0.32 J**	**0.57 J**	**0.36 J**	2.6	**0.92 J**	0.5 U	**0.45 J**	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	5	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U
Carbon disulfide	60	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7	**0.39 J**	**0.4 J**	**0.34 J**	**0.5 J**	**0.53 J**	**0.43 J**	**0.37 J**	**0.37 J**	**0.36 J**	0.5 U	0.5 U	0.5 U
Chloromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Isopropylbenzene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene	0.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
m,p-Xylene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl tert-butyl ether	10	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene chloride	5	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U
Naphthalene	10	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
n-Butylbenzene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
n-Propylbenzene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
p-Isopropyltoluene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
sec-Butylbenzene	5	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tert-Butylbenzene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	0.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl acetate	NC	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl chloride	2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Xylenes, Total	NC	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U

Notes:
NC = no criteria
J = estimated value
U = not detected; reported to limit of detection
UJ = The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria
µg/L = micrograms per liter
Bold analytical results indicate detection
Red analytical results exceed NYSDEC AWQ S
NYSDEC AWQ S/GV = New York State Department of Environmental Conservation, Division of Water Technical and Operational Guidance Series (TOGS) (1.1.1), Table 1 New York State Ambient Water Quality Standards and Guidance Values (June 1998); Addendum to June 1998 Division of Water Technical and Operational

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Tables

Table 3 SS067 (Building 789)
Free Product Gauging and Bailing (2024)
2024 Annual Monitoring Report for Petroleum Spill Sites
Former Griffiss Air Force Base, Rome, New York

Location Identification and Free Product Gauging/Recovery Details	Casing Diameter (inches)	2/24/2023		3/28/2023		6/19/2023	9/5/2023	10/19/2023	11/16/2023		3/12/2024	6/21/2024	10/21/2024		12/17/2024	
		Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)
789MW-96	4	0.3	Not measured	0.28	Not measured	0.25	Not detected	Not detected	0.1	Not measured	1.62	1.35	0.14	Not measured	1.28	0.64
789MW-102	2	Not measured	Not measured	0.54	Not measured	0.83	0.64	1.24	Not measured	Not measured	1.30	1.33	0.00	Not measured	1.84	0.30
789RW-200	6	0.38	Not measured	0.46	Not measured	2.86	2.74	2.72	2.5	0.4	1.25	1.69	1.68	0.6	0.75	0.4
789RW-202	6	0.84	0.25	0.63	0.30	0.52	1.55	2.61	3.85	0.30	3.60	2.21	2.90	0.91	3.03	0.44
789RW-205	6	0.3	Not measured	0.18	Not measured	0.15	Not detected	Not detected	Not detected	Not measured	0.75	0.15	0	Not measured	0.22	Not measured
789RW-211	6	Not detected	Not measured	Not detected	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured
789RW-219	4	0.86	0.18	1.04	0.09	2.52	2.65	0.00	3.00	0.35	Not measured	2.3	2.11	0.74	2.86	0.54
789RW-220	4	Not detected	Not measured	Not detected	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured
789RW-221	4	Not detected	Not measured	Not detected	Not measured	Not measured	Not measured	Not measured	Not detected	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured
789MW-252	2	Not measured	Not measured	1.04	0.12	0.43	0.93	Not detected	0.5	0.1	2.31	1.81	1.45	0.36	2.39	0.22
789MW-253	2	Not measured	Not measured	Not measured	Not measured	0.5	1	0.8	0.5	Not measured	0.65	0.58	0	Not measured	1.22	0.4
789MW-254	2	Not measured	Not measured	Not measured	Not measured	1.51	4.32	0.92	4.15	Not measured	0.03	0	3.66	0.38	2.61	0.26
Field personnel		B. Pollard	B. Pollard	B. Pollard	B. Pollard	B. Pollard			B. Pollard	B. Pollard	B. Pollard	B. Pollard	G. Wilbert	G. Wilbert	L. Sunderland/ A. Sinisgalli	L. Sunderland/ A. Sinisgalli
Treatment / action	---	Gauged, Bailed	Gauged	Gauged, Bailed	Gauged	Gauged	Gauged	Gauged	Gauged, Bailed	--	Gauged	Gauged	Gauged, Bailed	Gauged	Gauged, Bailed	Gauged
Free product volume recovered (gallons)	---	1.31		1.25		--	--	--	12		--	--	9.5		7.4 *	
Bailed after gauging	---	yes	no	yes	no	no	no	no	yes	no	no	no	yes	no	yes	no
Approximate cumulative free product volume recovered (gallons) through 2023	206															

Notes:
Wells that were bailed to remove free product after initial gauging.
Ivey-sol® Treated wells
* Calculated using gauging data

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Tables

Table 4 SS067 (Building 789)
Monitoring Plan (2024)
2024 Annual Monitoring Report for Petroleum Spill Sites
Former Griffiss Air Force Base, Rome, New York

Site	Location Identification	Sample Identification	Date	Analytical	Notes
2024 Quarter 1	789MW-83	789MW-83_0324	3/12/2024	Volatile organic compounds	
	789MW-98	789MW-98_0324	3/12/2024		
	789MW-99	789MW-99_0324/789MW-99_0324-A	3/12/2024		Field duplicate
	789MW-216	789MW-216_0324	3/12/2024		
	789MW-222	789MW-222_0324	3/12/2024		
	789MW-251	789MW-251_0324	3/12/2024		
	789SW-02 *	789SW-02_0324	3/12/2024		
	789SW-03 *	789SW-03_0324	3/12/2024		
	789SW-04 *	789SW-04_0324	3/12/2024		
2024 Quarter 2	789MW-46R	789MW-46R_0624	6/20/2024		
	789MW-83	789MW-83_0624	6/20/2024		
	789MW-95	789MW-95_0624	6/20/2024		
	789MW-98	789MW-98_0624	6/20/2024		
	789MW-99	789MW-99_0624/789MW-99_0624-A	6/20/2024		Field duplicate
	789MW-135	789MW-135_0624	6/21/2024		
	789MW-216	789MW-216-0624	6/21/2024		
	789MW-222	789MW-222_0624	6/21/2024		
	789MW-251	789MW-251_0624	6/20/2024		
	789SW-02 *	789SW-01_0624	6/21/2024		
	789SW-03 *	789SW-02_0624	6/21/2024		
	789SW-04 *	789SW-03_0624	6/21/2024		
2024 Quarter 3	789MW-83	789MW-83_0924	9/25/2024		
	789MW-98	789MW-98_0924	9/25/2024		
	789MW-99	789MW-99_0924/789MW-99_0924-A	9/25/2024		Field duplicate
	789MW-216	789MW-216_0924	9/26/2024		
	789MW-222	789MW-222_0924	9/25/2024		
	789SW-02 *	789SW-02_0924	9/26/2024		
	789SW-03 *	789SW-03_0924	9/26/2024		
	789SW-04 *	789SW-04_0924	9/26/2024		
2024 Quarter 4	789MW-46R	789MW-46R_1224	12/17/2024		
	789MW-83	789MW-83_1224	12/17/2024		
	789MW-95	789MW-95_1224	12/17/2024		
	789MW-99	789MW-99_1224/789MW-99_1224-A	12/17/2024		Field duplicate
	789MW-135	789MW-135_1224	12/17/2024		
	789MW-216	789MW-216_1224	12/17/2024		
	789MW-222	789MW-222_1224	12/17/2024		
	789MW-251	789MW-251_1224	12/17/2024		
	789SW-02 *	789SW-02_1224	12/17/2024		
	789SW-03 *	789SW-03_1224	12/17/2024		
	789SW-04 *	789SW-04_1224	12/17/2024		

Notes:
* Surface water sample locations from Six Mile Creek added in 2023 Quarter 2.

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Table 5 SS067 (Building 789)
Groundwater Elevations and Field Parameters (2024)
2024 Annual Monitoring Report for Petroleum Spill Sites
Former Griffiss Air Force Base, Rome, New York

Event	Well Identification	Date	Top of Casing (feet NAVD88)	Depth to Free Product (feet btoc)	Initial Depth to Water (feet btoc)	Free Product Thickness (feet)	Groundwater Elevation (feet NAVD88)	Groundwater Elevation Corrected* (feet NAVD88)	pH	Conductivity (mS/cm)	Temperature (°C)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)
2024 Quarter 1	789MW-46R	3/12/2024	479.09	-	19.28	-	459.81	459.81	Not sampled, gauge only - No Free Product					
	789MW-83	3/12/2024	478.79	-	21.80	-	456.99	456.99	6.40	0.708	13.70	0.30	-77.8	NA
	789MW-95	3/12/2024	479.39	-	11.34	-	468.05	468.05	Not sampled, gauge only - No Free Product					
	789MW-96 *	3/12/2024	476.69	20.18	21.80	1.62	454.89	456.19	Not sampled, gauge only - Free Product					
	789MW-98	3/12/2024	476.32	-	11.59	-	464.73	464.73	6.41	0.734	9.48	0.58	-82.6	NA
	789MW-99	3/12/2024	475.80	-	17.85	-	457.95	457.95	6.60	0.953	10.01	1.78	-133.4	NA
	789MW-102 *	3/12/2024	451.03	8.64	9.94	1.29	441.09	442.12	Not sampled, gauge only - Free Product					
	789MW-135	3/12/2024	481.54	-	24.10	-	457.44	457.44	Not sampled, gauge only - No Free Product					
	789RW-200	3/12/2024	475.35	20.55	21.80	1.25	453.55	454.55	Not sampled, gauge only - Free Product					
	789RW-202	3/12/2024	475.37	19.90	23.50	3.60	451.87	454.75	Not sampled, gauge only - Free Product					
	789RW-205	3/12/2024	475.06	18.65	19.40	0.75	455.66	456.26	Not sampled, gauge only - Free Product					
	789MW-216	3/12/2024	477.98	-	19.35	-	458.63	458.63	6.70	0.559	10.43	0.52	-95.7	NA
	789MW-222	3/12/2024	481.39	-	23.08	-	458.31	458.31	7.12	1.192	11.91	1.24	24.2	NA
	789MW-250	3/12/2024	478.46	-	20.25	-	458.21	458.21	Not sampled, gauge only - No Free Product					
	789MW-251	3/12/2024	478.50	-	16.40	-	462.10	462.10	6.70	0.555	9.35	0.91	15.2	NA
	789MW-252 *	3/12/2024	478.04	20.71	23.02	2.31	455.02	456.87	Not sampled, gauge only - Free Product					
	789MW-253	3/12/2024	477.92	17.62	18.27	0.65	459.65	460.17	Not sampled, gauge only - Free Product					
	789MW-254 *	3/12/2024	479.82	14.42	14.45	0.03	465.37	465.39	Not sampled, gauge only - Free Product					
	789SW-02	3/12/2024	Six Mile Creek stream flow not measured						7.11	0.387	8.61	9.63	-50.5	NA
	789SW-03	3/12/2024							7.13	0.393	7.13	9.57	-55.2	NA
	789SW-04	3/12/2024							7.19	0.395	7.19	9.65	-46	NA
2024 Quarter 2	789MW-46R	6/20/2024	479.09	-	19.09	-	460.00	460.00	7.01	0.650	9.65	0.60	-76.7	1340.50
	789MW-83	6/21/2024	478.79	-	21.09	-	457.70	457.70	6.70	0.837	15.23	1.60	13.4	2.95
	789MW-95	6/20/2024	479.39	-	12.98	-	466.41	466.41	6.79	0.851	11.42	4.20	80.8	9.92
	789MW-96 *	6/21/2024	476.69	19.57	20.92	1.35	455.77	456.85	Not sampled, gauge only - Free Product					
	789MW-98	6/20/2024	476.32	-	15.25	-	461.07	461.07	6.71	0.788	9.80	1.30	-79.0	93.46
	789MW-99	6/20/2024	475.80	-	17.06	-	458.74	458.74	6.84	0.975	9.78	1.40	-62.0	9.69
	789MW-102 *	6/21/2024	451.03	9.27	10.60	1.33	440.43	441.49	Not sampled, gauge only - Free Product					
	789MW-135	6/21/2024	481.54	-	26.17	-	455.37	455.37	7.05	0.535	12.30	6.00	122.6	156.46
	789RW-200 *	6/21/2024	475.34	20.13	21.82	1.69	453.52	454.87	Not sampled, gauge only - Free Product					
	789RW-202 *	6/21/2024	475.37	20.47	22.68	2.21	452.69	454.46	Not sampled, gauge only - Free Product					
	789RW-205	6/21/2024	475.06	18.23	18.38	0.15	456.68	456.80	Not sampled, gauge only - Free Product					
	789MW-216	6/21/2024	477.98	-	19.27	-	458.71	458.71	6.95	0.487	12.57	1.10	-76.2	58.09
	789MW-219	6/21/2024	-	18.04	20.34	2.30	-	-	Not sampled, gauge only - Free Product					
	789MW-222	6/21/2024	481.39	-	22.69	-	458.70	458.70	7.48	1.034	13.71	2.40	52.6	0.90
	789MW-250	6/21/2024	478.46	-	19.88	-	458.58	458.58	Not sampled, gauge only - No Free Product					
	789MW-251	6/20/2024	478.50	-	21.27	-	457.23	457.23	6.73	0.694	10.19	2.90	38.7	2.17
	789MW-252 *	6/21/2024	478.04	20.55	22.36	1.81	455.68	457.13	Not sampled, gauge only - Free Product					
	789MW-253 *	6/21/2024	477.92	17.17	17.75	0.58	460.17	460.63	Not sampled, gauge only - Free Product					
	789MW-254 *	6/21/2024	479.82	-	17.85	-	461.97	461.97	Not sampled, gauge only - No Free Product					
	789SW-02	6/21/2024	Six Mile Creek stream flow not measured						7.50	0.548	18.25	8.60	43.4	19.65
	789SW-03	6/21/2024							7.53	0.566	19.38	8.70	8.7	9.99
	789SW-04	6/21/2024							7.64	0.556	17.55	8.60	43.6	9.58
2024 Quarter 3	789MW-83	9/25/2024	478.79	-	22.02	-	456.77	456.77	7.00	0.490	16.03	4.52	-37.0	103.7
	789MW-96	10/21/2024	476.69	22.75	22.89	0.14	453.80	453.91	Not sampled, gauge only - Free Product					
	789MW-98	9/25/2024	476.32	-	16.90	-	459.42	459.42	6.83	0.75	13.06	5.13	-107.6	411.06
	789MW-99	9/25/2024	475.80	-	18.30	-	457.50	457.50	7.16	0.870	12.98	7.08	-148.0	121.71
	789MW-102 *	10/21/2024	451.03	-	10.02	-	441.01	441.01	Not sampled, gauge only - No Free Product					
	789RW-200 *	10/21/2024	475.34	21.03	22.71	1.68	452.63	453.97	Not sampled, gauge only - Free Product					
	789RW-202 *	10/21/2024	475.37	18.50	21.40	2.90	453.97	456.29	Not sampled, gauge only - Free Product					
	789RW-205	10/21/2024	475.06	-	19.10	-	455.96	455.96	Not sampled, gauge only - No Free Product					
	789MW-216	9/26/2024	477.98	-	20.40	-	457.58	457.58	7.12	0.480	17.24	6.58	-131.6	295.4
	789MW-219	10/21/2024	-	18.90	22.01	2.11	-	-	Not sampled, gauge only - Free Product					
	789MW-222	9/25/2024	481.39	-	23.16	-	458.23	458.23	7.57	1.020	14.38	4.29	-45.2	26.41
	789MW-251	9/26/2024	478.50	-	22.21	-	456.29	456.29	6.81	0.770	14.99	3.99	-92.5	40.30
	789MW-252 *	10/21/2024	478.04	21.78	23.23	1.45	454.81	455.97	Not sampled, gauge only - Free Product					
	789MW-253	10/21/2024	477.92	-	18.51	-	459.41	459.41	Not sampled, gauge only - No Free Product					
	789MW-254 *	10/21/2024	479.82	20.60	24.26	3.66	455.56	458.49	Not sampled, gauge only - Free Product					
	789SW-02	9/26/2024	Six Mile Creek stream flow 2.14 feet per second at 789SW-03						7.73	0.27	17.87	8.57	7.5	0.00
	789SW-03	9/26/2024							7.7	0.28	18.6	8.36	-32.9	20.49
	789SW-04	9/26/2024							7.74	0.28	19.78	8.42	12.9	0
2024 Quarter 4	789MW-46R	12/17/2024	479.09	-	21.56	-	457.53	457.53	6.72	0.590	10.67	6.78	-71.2	1000+
	789MW-83	12/17/2024	478.79	-	22.81	-	455.98	455.98	6.70	0.630	13.33	7.54	-71.7	4.62
	789MW-95	12/17/2024	479.39	-	16.18	-	463.21	463.21	6.80	0.61	10.34	10.48	66.0	160.56
	789MW-96 *	12/17/2024	476.69	20.82	22.10	1.28	454.59	455.61	Not sampled, gauge only - Free Product					
	789MW-98	12/17/2024	476.32	-	17.94	-	458.38	458.38	Not sampled, gauge only - Sheen of Free Product					
	789MW-99	12/17/2024	475.80	-	19.16	-	456.64	456.64	6.92	0.910	10.53	6.41	-138.0	311.60
	789MW-102 *	12/17/2024	451.03	8.32	10.16	1.84	440.87	442.34	Not sampled, gauge only - Free Product					
	789MW-135	12/17/2024	481.54	-	28.15	-	453.39	453.39	6.98	0.450	12.66	6.67	55.2	106.6
	789RW-200 *	12/17/2024	475.34	19.05	19.80	0.75	455.54	456.14	Not sampled, gauge only - Free Product					
	789RW-202 *	12/17/2024	475.37	13.27	16.30	3.03	459.07	461.49	Not sampled, gauge only - Free Product					
	789RW-205	12/17/2024	475.06	19.10	19.32	0.22	455.74	455.92	Not sampled, gauge only - Free Product					
	789MW-216	12/17/2024	477.98	-	20.78	-	457.20	457.20	6.90	0.550	11.87	4.06	-101.4	1000+
	789MW-219	12/17/2024	-	19.25	22.11	2.86	-	-	Not sampled, gauge only - Free Product					
	789MW-222	12/17/2024	481.39	-	23.25	-	458.14	458.14	7.15	0.950	12.41	7.40	-9.7	9.19
	789MW-251	12/17/2024	478.50	-	22.81	-	455.69	455.69	6.74	0.760	10.15	8.94	-77.1	27.08
	789MW-252 *	12/17/2024	478.04	21.69	24.08	2.39	453.96	455.87	Not sampled, gauge only - Free Product					
	789MW-253 *	12/17/2024	477.92	19.81	21.03	1.22	456.89	457.87	Not sampled, gauge only - Free Product					
	789MW-254 *	12/17/2024	479.82	21.47	24.08	2.61	455.74	457.83	Not sampled, gauge only - Free Product					
	789SW-02	12/17/2024	Six Mile Creek stream flow 0.5 feet per second at 789SW-02						7.57	0.24	7.79	11.5	-22.2	0
	789SW-03	12/17/2024							7.68	0.24	7.76	11.48	0	0
	789SW-04	12/17/2024							7.49	0.24	7.8	11.78	10.4	0

Notes:
* Indicates the presence of measured free product, groundwater elevation adjusted accordingly
Stream flow measured by surface float test (object movement distance over travel time)
NAVD88 - North American Vertical Datum of 1988
btoc - below top of casing
°C - degrees Celsius
mg/L - milligrams per liter
mS/cm - millisiemen per centimeter
mV - millivolt
NTU - nephelometric turbidity unit
pH - potential of hydrogen

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Tables

Table 6 SS067 (Building 789)
Monitoring Plan (2025)
2025 Annual Monitoring Report for Petroleum Spill Sites
Former Griffiss Air Force Base, Rome, New York

Site	Location Identification	Analytical
2025 Quarter 1	789MW-83	Volatile organic compounds
	789MW-98	
	789MW-99	
	789MW-102	
	789MW-216	
	789MW-222	
	789MW-251	
	789SW-02 *	
	789SW-03	
	789SW-04	
2025 Quarter 2	789MW-46R	
	789MW-83	
	789MW-95	
	789MW-98	
	789MW-99	
	789MW-102	
	789MW-135	
	789MW-216	
	789MW-222	
	789MW-251	
	789SW-02 *	
	789SW-03	
	789SW-04	
2025 Quarter 3	789MW-46R	
	789MW-83	
	789MW-98	
	789MW-99	
	789MW-102	
	789MW-135	
	789MW-216	
	789MW-222	
	789MW-251	
	789SW-02 *	
	789SW-03	
	789SW-04	
2025 Quarter 4	789MW-83	
	789MW-98	
	789MW-99	
	789MW-216	
	789MW-222	
	789MW-251	
	789MW-46R	
	789MW-95	
	789MW-102	
	789MW-135	
	789SW-02 *	
	789SW-03	
	789SW-04	

Notes:
* Stream flow measurement location
All wells will be gauged for free product prior to sampling. Wells determined to have a measurable thickness of free product will not be sampled.

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APPENDICES

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APPENDIX A
HISTORICAL REFERENCE DOCUMENTATION

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Appendix A-1
Table from Final Optimization Plan for SS067 Building 789 (NYSDEC Spill Site 9810713), Former Griffiss Air Force Base, Rome, New York (Bhate, August 2018)

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Table 1. Summary of Data Gaps and Proposed Investigation Activities

Area to Be Investigated	Background	Data Gap	Proposed Work to Address Data Gap
Free Product & Residual Soil Contamination Area (current free product recovery area)	Periods of low precipitation can exaggerate the amount of free product present on the water table, likewise, periods of heavy precipitation can press or trap free product within the residual overburden. This will impede accurate free product measurements if monitoring well screen intervals do not cover the full range of this movement. Both of these conditions have been observed in this area.	The actual thickness of free product within the area is suspect due to the screened interval of the monitoring wells and fluctuations in site-wide water levels since their installation.	• Install 2-inch diameter groundwater monitoring wells to an estimated depth of 30 ft bgs within areas of the site historically containing the thickest free product measurements. • These wells will be constructed with "full length" screen intervals, such that the entire depth of the boring can be used to capture any variations in free product thickness driven by water level fluctuations at the site. • A minimum of two wells will be required to assess the accuracy of previous free product data from nearby wells. • The proposed location of these wells is shown on **Figure 3**.
	Optimization, including any expansion or modifications of the free product recovery system will require an accurate measurement of the percentage of the total volume (when determined) that can actually be recovered.	The potentially recoverable fraction of the total mass of remaining free product is unknown.	• Six Direct Push Technology (DPT) soil borings will be advanced to approximately 26 ft bgs or refusal. • There may be up to six step-out soil borings based on field observations made during the investigation (pink locations on **Figure 3**). • From each boring, undisturbed soil samples will be collected from intervals that exhibit residual contamination (smear zone), as well as intervals that contain free product. • Samples will be submitted to the laboratory for centrifuge analysis using D-425-01 *Standard Test Method for Centrifuge Moisture Equivalent of Soils* (ASTM International [ASTM], 1996), to determine the fraction of free product that is recoverable from the soil matrix.

Area to Be Investigated	Background	Data Gap	Proposed Work to Address Data Gap
Former Excavation Area	Concrete rubble from demolished Building 789 is present in the backfill material of the former excavation. Approximate locations are presented on **Figure 3**. Free product may be present within or below the rubble, which could be acting as a sump or a conduit for the subsurface migration of free product.	The condition and extent of this rubble is unknown. This data could prompt a revision of the conceptual site model (CSM) and the subsequent implementation of system optimization.	• Advance up to 13 DPT soil borings (blue locations on **Figure 3**) within the former excavation to the depth of the former excavation, approx. 26 ft bgs, or until refusal is met. • Additional step-out borings may be required if refusal is encountered across the backfilled excavation area before reaching 26 ft bgs. • Samples for laboratory analysis may be collected from borings that extend to or beneath the depth of the former excavation, approx. 26 ft bgs, in order to determine if the rubble has become contaminated. • Install one 2-inch monitoring well, in the area of the rubble, to a depth of 30 ft bgs to monitor for the accumulation of product.
Dissolved Phase Plume Area	Dissolved phase plume exceedances have been detected in groundwater monitoring well 789MW-102, located crossgradient to the existing air-sparge remedial system. Groundwater monitoring wells located downgradient of the air-sparge system have not exhibited detections, indicating that the system is effective in treating the northern portion of the plume.	A portion of the dissolved phase plume may be by-passing the existing air-sparge system to the south, but no groundwater data exists between the free product area and 789MW-102. The dissolved plume may not reach horizontal sparge well AP2HW-1, but there is no groundwater data adjacent to and upgradient of the well to determine the dissolved concentrations entering the area of sparge influence.	• Advance up to 12 DPT groundwater grab sample borings (red locations on **Figure 3**) in various locations including: upgradient of the former excavation and free product area; immediately downgradient of the free product area; and at the southern end of the plume, upgradient of 789MW-102 and upgradient of AP2HW-1 • A step out process may be used to determine the southern extent of the plume and whether it is bypassing the existing air-sparge system. • Install up to two vertical air-sparge wells (to be tied into existing air-sparge system) if dissolved phase contamination is determined to be bypassing the southern end of the existing system. • Install new compliance well downgradient of new vertical air-sparge wells to assess performance.

Appendix A-2
Figure from Final Supplemental Investigation and Groundwater Monitoring Report at Sites SS054 and SS067, Former Griffiss Air Force Base, Rome, New York. (Bhate, October 2019)

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789WG-1_1018		
Parameter	Result (µg/L)	NYSDEC AWQ S/GV (µg/L)
1,2,4-Trimethylbenzene	50	5
1,3,5-Trimethylbenzene	18	5
Ethylbenzene	6.5	5
n-Butylbenzene	8	5
n-Propylbenzene	9.4	5
m,p-Xylene	25	5
Naphthalene	16	10
o-Xylene	11	5
sec-Butylbenzene	7.8	5
Toluene	11	5

789WG-12_1018		
Parameter	Result (µg/L)	NYSDEC AWQ S/GV (µg/L)
1,3,5-Trimethylbenzene	6.6	5
Benzene	36	1
Ethylbenzene	53	5
Isopropylbenzene	7.4	5
n-Propylbenzene	7.4	5
m,p-Xylene	140 D	5
o-Xylene	11 D	5
Toluene	13	5

789WG-2_1018		
Parameter	Result (µg/L)	NYSDEC AWQ S/GV (µg/L)
1,2,4-Trimethylbenzene	14	5
1,3,5-Trimethylbenzene	6.8	5
Benzene	160 D	1
Ethylbenzene	31	5
n-Propylbenzene	6.6	5
m,p-Xylene	46	5
o-Xylene	11	5
Toluene	8.8	5

789WG-3_1018		
Parameter	Result (µg/L)	NYSDEC AWQ S/GV (µg/L)
1,2,4-Trimethylbenzene	710 J D	5
1,3,5-Trimethylbenzene	150 D	5
Benzene	43 D	1
Ethylbenzene	460 J D	5
Isopropylbenzene	44 D	5
n-Butylbenzene	26 D	5
n-Propylbenzene	88 D	5
m,p-Xylene	1,300 J D	5
Naphthalene	480 J D	10
o-Xylene	680 J D	5
p-Isopropyltoluene	14 D	5
sec-Butylbenzene	23 D	5
Toluene	88 D	5

789WG-4_1018		
Parameter	Result (µg/L)	NYSDEC AWQ S/GV (µg/L)
1,2,4-Trimethylbenzene	490 J D	5
1,3,5-Trimethylbenzene	110 J D	5
Benzene	8.0 J D	1
Ethylbenzene	230 J D	5
Isopropylbenzene	37 J D	5
n-Butylbenzene	25 J D	5
n-Propylbenzene	79 J D	5
m,p-Xylene	890 J D	5
Naphthalene	370 J D	10
o-Xylene	480 J D	5
p-Isopropyltoluene	15 J D	5
sec-Butylbenzene	26 J D	5
Toluene	440 J D	5

Notes:
Existing wells are not shown.

This information is depicted to provide visual aid within the context of this document and should not be used as a sole reference in precise dimensioning of features indicated. Please verify the location of all features including underground and aboveground utilities prior to conducting any subsurface exploration or site assessment.

Notes:
Top of Slope - A point or line of slope in an excavation or cut where the higher surface changes to horizontal or meets the exiting ground slope.

Toe of Slope - A point or line of slope in an excavation or cut where the lower surface changes to horizontal or meets the exiting ground slope.

Notes:
NYSDEC - New York State Department of Environmental Conservation

AWQ - Ambient Water Quality

S/GV - Standard and Guidance Value

µg/L - Micrograms per liter

D - Dilution

J - Estimated value

Red analytical results exceed NYSDEC AWQ S/GV criteria

Groundwater Grab Samples without call out boxes were below NYSEC AWQ S/GV criteria.

Legend:
- New OES Monitoring Well Locations
- Monitoring Well Location
- Recovery Well Location
- Groundwater Grab Sample Locations
- Soil Boring Locations
- Test Boring Locations
- Test Pit Location (12/6/2017)
- Installation Restoration Program (IRP) Area
- 5657 Building Number
- 0781 Demolished Building Location
- Culvert / Stormwater Drain
- Former Fuel Pipeline (Underground)
- Horizontal Well Screen (Below Ground)
- Horizontal Well Piping (Aboveground)
- Horizontal Well Piping (Below Ground)

Approximate Excavation Boundary (7/2/2001 to 11/29/2001)
Excavation Pit Slope
Top of Slope
Toe of Slope
SS067
Former Location of Building 789
Free Product Skimming System Lines (Aboveground)
Fenced Off Area (Dollar General)
Six Mile Creek
0 60 120 240 Feet
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Figure 16
2017 and 2018 Optimization Efforts at SS067 (Building 789 Type II Fuel System)

2018 Annual Monitoring Report for Petroleum Spill Sites
Former Griffiss Air Force Base, Rome, New York

DRAWN BY: MRM
DATE: 4/9/2019
SCALE: As Shown
PROJECT NO: AFCGSA3 0012.00AC

bhate

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Appendix A-3
Figures from 2022 Free Product Assessment and Data Gap Investigation Data Transmittal (Bhate, April 2023)

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N

OIP Response > 40%

OIP Response > 10%

789HRSC-OIP05

789HRSC-OIP06

789HRSC-OIP09

789HRSC-OIP04A

789HRSC-OIP10

789HRSC-OIP01A

789HRSC-OIP01

OIP Response > 20%

789HRSC-OIP07

789HRSC-OIP03A

789HRSC-OIP02

OIP Response > 5%

Fluorescence (%)

61
50
20
10
5.0
2.0
1.0
0.50

789HRSC-OIP08

OiHpt Stations

OIP Response (>5%) Plan View

Figure 6

Griffiss AFB – SS067
Rome, New York

June 2022

High-Resolution Site Characterization

COLUMBIA TECHNOLOGIES

OIP Response (>5%) – Oblique View

Figure 7

Griffiss AFB – SS067
Rome, New York

June 2022

High-Resolution Site Characterization

COLUMBIA TECHNOLOGIES

N

789HRSC-OIP09

A

789HRSC-OIP04A

789HRSC-OIP10

B

789HRSC-OIP05

789HRSC-OIP06

789HRSC-OIP01A

789HRSC-OIP01

789HRSC-OIP07

789HRSC-OIP03A

789HRSC-OIP02

A’

B’

789HRSC-OIP08

OiHpt Stations

Transect Map

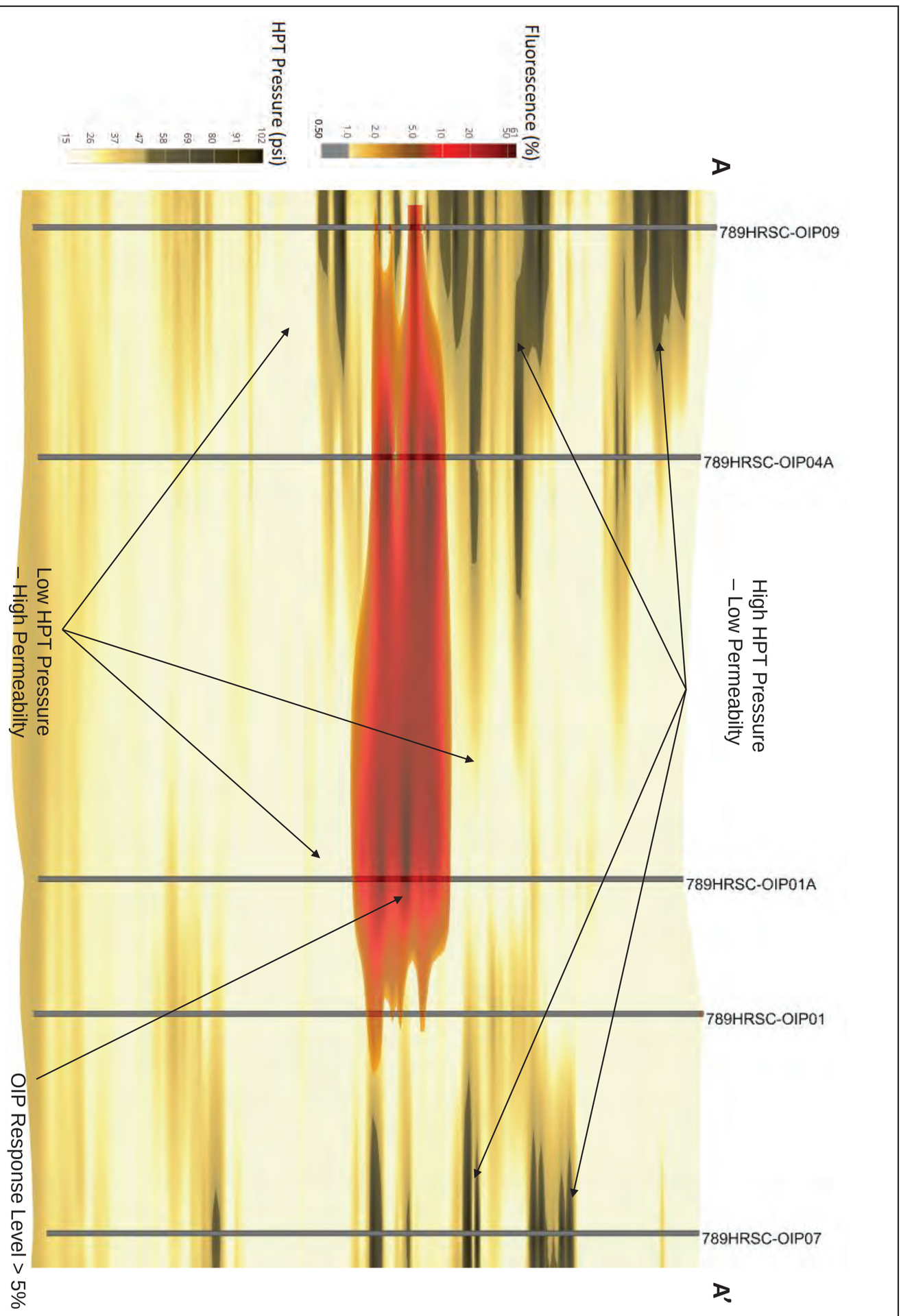
Figure 8

Griffiss AFB – SS067
Rome, New York

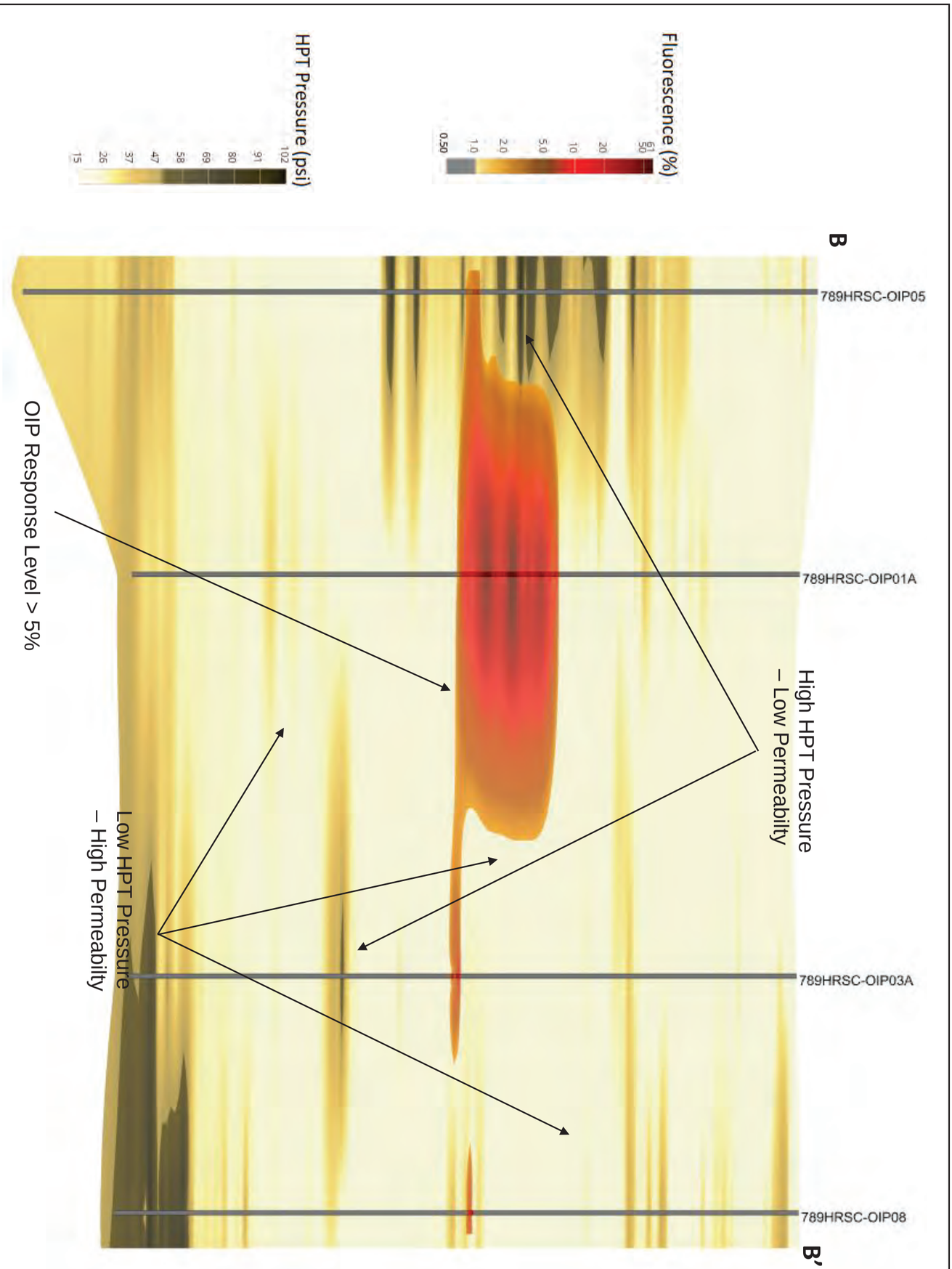
June 2022

High-Resolution Site Characterization

COLUMBIA TECHNOLOGIES



COLUMBIA TECHNOLOGIES	**Griffiss AFB – SS067** **Rome, New York**	**A-A' HPT Pressure Cross section with OIP Response**
	High-Resolution Site Characterization **June 2022**	**Figure 9**



COLUMBIA TECHNOLOGIES	**Griffiss AFB – SS067** **Rome, New York**		**B – B' HPT Pressure Cross section with OIP Response**
	High-Resolution Site Characterization	**June 2022**	**Figure 10**

Transects with Excavated Area

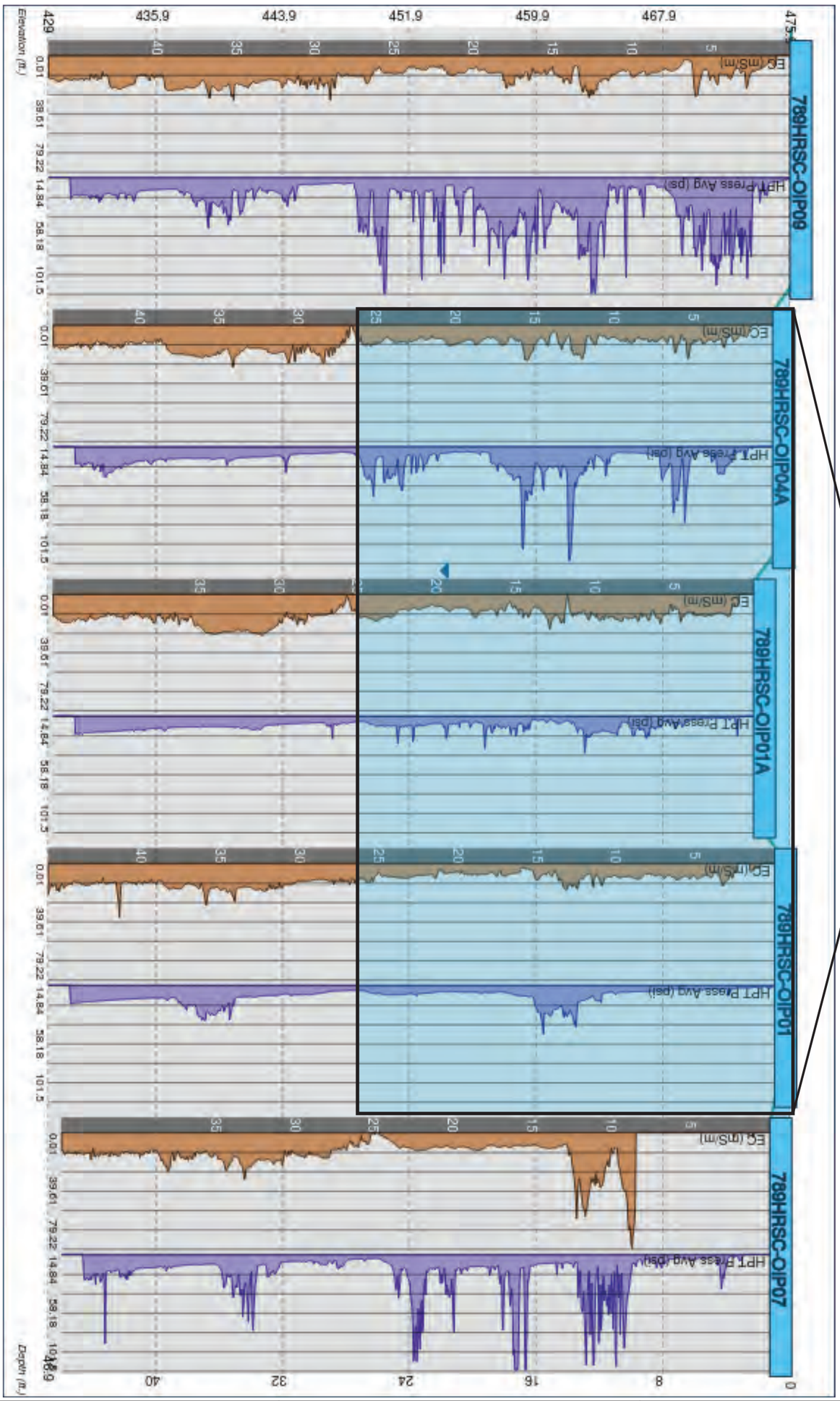
Figure 11

Griffiss AFB – SS067
Rome, New York

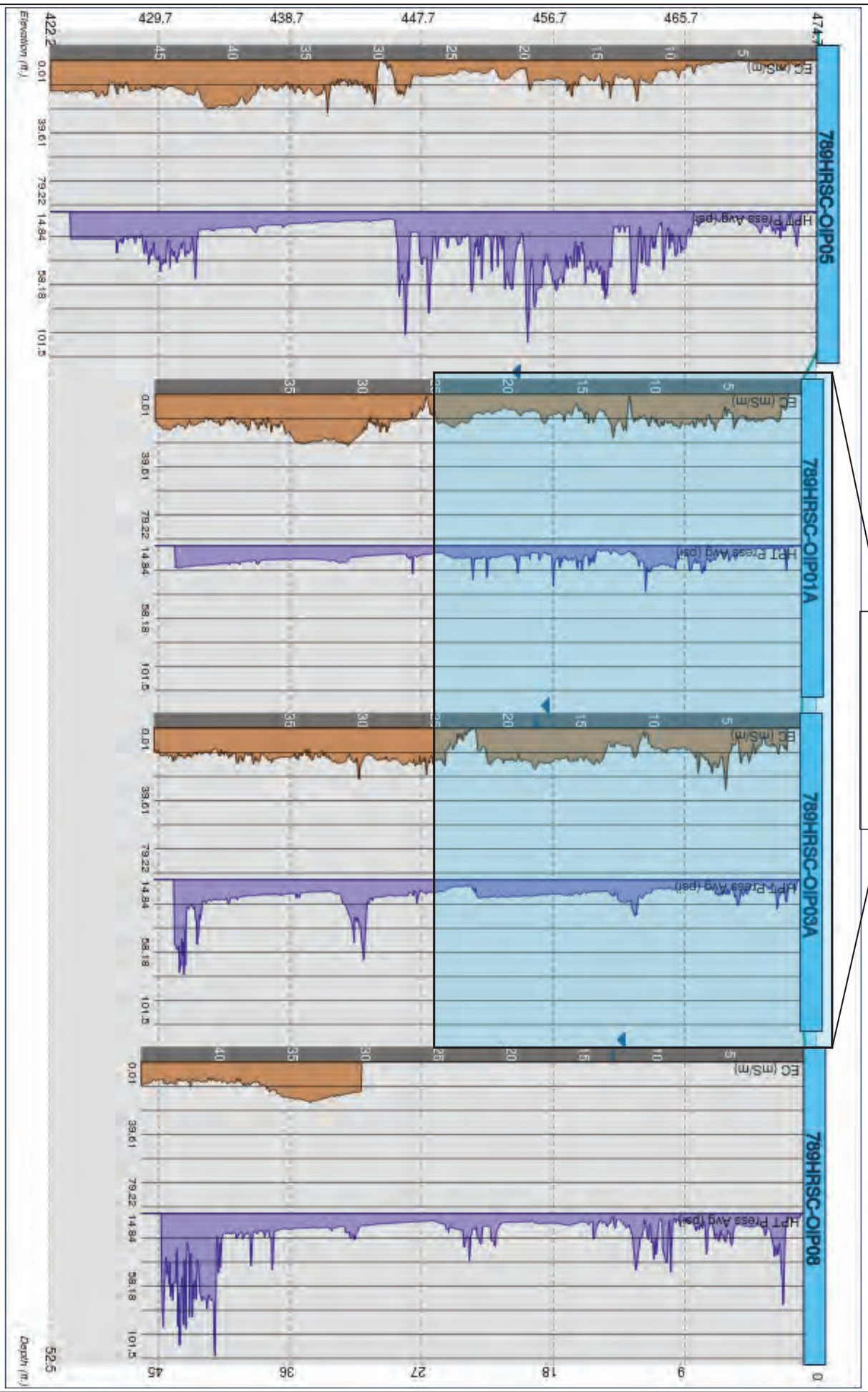
June 2022

High-Resolution Site Characterization

COLUMBIA TECHNOLOGIES



COLUMBIA TECHNOLOGIES	**Griffiss AFB – SS067** **Rome, New York**	**HPT Pressure/EC Logs** **Transect A-A'**
	High-Resolution Site Characterization	**June 2022**
		Figure 12



COLUMBIA TECHNOLOGIES	**Griffiss AFB – SS067** **Rome, New York**	**HPT Pressure/EC Logs** **Transect B-B'**
	High-Resolution Site Characterization	**June 2022**	**Figure 13**

N

789RW-209

789MW-217

789RW-203

789RW-200

789RW-205

789MW-252

789MW-96

789RW-219

789RW-202

789RW-201

OIP Response > 40%

OIP Response > 10%

OIP Response > 20%

OIP Response > 5%

Fluorescence (%)

61
50
20
10
5.0
2.0
1.0
0.50

Monitoring Well locations with LNAPL thickness (June 2022)

OIP Response Plan View vs. Monitoring Wells

Figure 14

Griffiss AFB – SS067
Rome, New York

June 2022

High-Resolution Site Characterization

COLUMBIA TECHNOLOGIES

N

789HRSC-OIP01A
789HRSC-OIP01
789HRSC-OIP07
789HRSC-OIP10
789HRSC-OIP09
789HRSC-OIP04A
789HRSC-OIP005
789HRSC-OIP06
789HRSC-OIP08
789HRSC-OIP03A
789HRSC-OIP02

LNAPL thickness in well
(on top of water)

Fluorescence (%)
61
50
20
10
5.0
2.0
1.0
0.50

OIP Response Level > 5%

789RW-96
789RW-219
789RW-252
789RW-202
789RW-200
789RW-217
789RW-209
789RW-203
789RW-201

OIP Response vs. Monitoring Wells with LNAPL

Figure 15

Griffiss AFB – SS067
Rome, New York

June 2022

High-Resolution Site Characterization

COLUMBIA TECHNOLOGIES

Site SS067 Supplemental Investigation
Soil VOC Results

Figure 1

Parameter	6 NYCRR Subpart 375-6.8 (µg/kg)
1,2,4-TMB	3,600
1,3,5-TMB	8,400
2-Butanone	120
Acetone	50
Benzene	60
Ethylbenzene	1,000
Methylene chloride	50
n-Butylbenzene	12,000
n-Propylbenzene	3,900
sec-Butylbenzene	11,000
Toluene	700
Xylenes, Total	260

789SB-26
789SB-26-2729_0722

Parameter	Result (µg/kg)
1,2,4-TMB	10,700 J
2-Butanone	18,600 J
Acetone	15,000 X
Benzene	200 X
Ethylbenzene	2,120 J
Methylene chloride	3,700 J
Xylenes, Total	8,000 J

789SB-26-4850_0722

Parameter	Result (µg/kg)
1,2,4-TMB	131 J
2-Butanone	753 J
Acetone	2,080 J
Benzene	314 J
Ethylbenzene	46.5 J
Methylene chloride	11.0 X
Xylenes, Total	144 J

789SB-30
789SB-30-2628_0722

Parameter	Result (µg/kg)
2-Butanone	348 J
Acetone	86.5 J

789SB-30-4850_0722

Parameter	Result (µg/kg)
2-Butanone	11.0 X
Acetone	110 X

789SB-24
789SB-24-1820_0722

Parameter	Result (µg/kg)
2-Butanone	1,510 J

789SB-24-3032_0722

Parameter	Result (µg/kg)
2-Butanone	35.0 J

789SB-21
789SB-21-2224_0722

Parameter	Result (µg/kg)
1,2,4-TMB	83,800 J
1,3,5-TMB	25,100 J
Ethylbenzene	22,400 J
n-Propylbenzene	18,700 J
Xylenes, Total	112,000 J

789SB-22
789SB-22-1416_0722

Parameter	Result (µg/kg)
2-Butanone	151 J

789SB-22-2022_0722

Parameter	Result (µg/kg)
2-Butanone	52.6 J

WL-789MW-254
789SB-254-0810_1022

Parameter	Result (µg/kg)
1,2,4-TMB	1.40 U
1,3,5-TMB	1.40 U
2-Butanone	10.0 U
Benzene	1.40 U
Ethylbenzene	1.40 U
n-Butylbenzene	1.40 U
n-Propylbenzene	1.40 U
sec-Butylbenzene	1.40 U
Toluene	10.0 U
Xylenes, Total	4.20 U

789SB-254-1618_1022

Parameter	Result (µg/kg)
1,2,4-TMB	134,000 J
1,3,5-TMB	36,600 J
2-Butanone	178,000 J
Benzene	8,110
Ethylbenzene	30,700 J
n-Butylbenzene	14,800 J
n-Propylbenzene	21,300 J
sec-Butylbenzene	11,100 J
Toluene	86,600 J
Xylenes, Total	162,000 J

WL-789MW-256
789SB-256-0608_1022

Parameter	Result (µg/kg)
1,2,4-TMB	1.60 X
2-Butanone	12.0 X
Xylenes, Total	4.70 X

789SB-256-2224_1022

Parameter	Result (µg/kg)
1,2,4-TMB	24,700 J
2-Butanone	43,600 J
Xylenes, Total	425 J

789SB-25
789SB-25-2022_0722

Parameter	Result (µg/kg)
1,2,4-TMB	153,000 J
1,3,5-TMB	34,700 J
2-Butanone	166,000 J
Benzene	390 X
Ethylbenzene	12,400 J
n-Butylbenzene	18,400 J
n-Propylbenzene	17,800 J
sec-Butylbenzene	12,500 J
Xylenes, Total	51,700 J

789SB-25-4850_0722

Parameter	Result (µg/kg)
1,2,4-TMB	754 J
1,3,5-TMB	168 J
2-Butanone	1,250 J
Benzene	220 J
Ethylbenzene	123 J
n-Butylbenzene	65.4 J
n-Propylbenzene	148 J
sec-Butylbenzene	55.4 J
Xylenes, Total	3,070 J

WL-789MW-257
789SB-257-3436_1022

Parameter	Result (µg/kg)
Acetone	150 X

789SB-257-4042_1022

Parameter	Result (µg/kg)
Acetone	90.8 J

Note:
Only common detected analytes are shown.
All monitoring well locations are not shown.

Notes:

µg/kg - micrograms per kilogram

NYCRR - New York Codes, Rules and Regulations

TMB - Trimethylbenzene

J - Estimated value

U - not detected

X - result may require rejection; applied due to initial calibration and holding time exceedances

Bold analtyical results indicate detection

Red analytical results exceed NYCRR Table 375-6.8(a): Unresticted Soil Cleanup Objectives

Legend:
- Monitoring Well Location
- Temporary Well Location 789WG-16 was replaced with Permanant Monitoring Well 789MW-257.
- Soil Boring Location
- Temporary Monitroing Well Location
- Approximate Excavation Boundary (7/2/2001 to 11/29/2001)
- Approximate Former Creek Bed Path
- Approximate Storm Drain Location
- Installation Restoration Program (IRP) Area
- 5657 Building Number
- 0781 Demolished Building Location
- Horizontal Well Screen (Below Ground)
- Horizontal Well Piping (Aboveground)
- Horizontal Well Piping (Below Ground)

0 75 150 300 Feet

Source: Esri, Maxar, Earthstar Geographics, IGN, and the GIS User Community

Free Product Assessment and Data Gap Investigation
Site SS067
Former Griffiss Air Force Base, Rome, New York

DRAWN BY: MRM
DATE: 4/12/2023
SCALE: As Shown
PROJECT NO: MSC2021.0012.0003.0004

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Site SS067 Supplemental Investigation
Groundwater VOC Results

Figure 2

Parameter	NYSDEC TOGS (1.1.1) (µg/L)
1,2,4-TMB	5
1,3,5-TMB	5
2-Butanone	50
Acetone	50
Benzene	1
Cumene	5
Ethylbenzene	5
m,p-Xylene	5
Naphthalene	10
n-Butylbenzene	5
n-Propylbenzene	5
o-Xylene	5
p-Cymene	5
sec-Butylbenzene	5
Toluene	5

WL-789MW-256	
789MW256_1022	
Parameter	**Result (µg/L)**
1,2,4-TMB	89.4
1,3,5-TMB	46.8
2-Butanone	125
Acetone	20.0 U
Benzene	0.500 U
Cumene	6.3
Ethylbenzene	**4.1**
m,p-Xylene	6.9
Naphthalene	16.9
n-Butylbenzene	11
n-Propylbenzene	13.4
o-Xylene	**0.600 J**
p-Cymene	11.8
sec-Butylbenzene	13.3
Toluene	0.500 U
789MW256_1022-A	
Parameter	**Result (µg/L)**
1,2,4-TMB	27.5
1,3,5-TMB	23.3
2-Butanone	93.1
Acetone	20.0 U
Benzene	0.500 U
Cumene	**2.3**
Ethylbenzene	**1.4**
m,p-Xylene	**2.5**
Naphthalene	**4.50 J**
n-Butylbenzene	**4.5**
n-Propylbenzene	**4.8**
o-Xylene	**0.290 J**
p-Cymene	5.7
sec-Butylbenzene	6.5
Toluene	0.500 U

WL-789MW-253	
789MW253_1022	
Parameter	**Result (µg/L)**
1,2,4-TMB	627
1,3,5-TMB	143
2-Butanone	70.0 U
Acetone	400 U
Benzene	10.0 U
Cumene	44.6
Ethylbenzene	363
m,p-Xylene	1,140
Naphthalene	447
n-Butylbenzene	27.5
n-Propylbenzene	95.6
o-Xylene	690
p-Cymene	20.7
sec-Butylbenzene	29.9
Toluene	445

WL-789MW-255	
789MW255_1022	
Parameter	**Result (µg/L)**
1,2,4-TMB	16.4
1,3,5-TMB	6.2
2-Butanone	**33.7**
Acetone	20.0 U
Benzene	0.500 U
Cumene	**1**
Ethylbenzene	0.500 U
m,p-Xylene	**1.20 J**
Naphthalene	2.00 U
n-Butylbenzene	**4.2**
n-Propylbenzene	**3.9**
o-Xylene	0.500 U
p-Cymene	**2.3**
sec-Butylbenzene	**3.2**
Toluene	**0.390 J**

789SB-18	
789WG-18_0722	
Parameter	**Result (µg/L)**
1,2,4-TMB	8
1,3,5-TMB	**0.740 J**
2-Butanone	3.50 X
Acetone	20.0 UJ
Benzene	11.6
Cumene	**3.2**
Ethylbenzene	0.500 U
m,p-Xylene	13.9
Naphthalene	2.00 UJ
n-Butylbenzene	0.500 UJ
n-Propylbenzene	**0.670 J**
o-Xylene	**0.420 J**
p-Cymene	0.500 U
sec-Butylbenzene	**0.450 J**
Toluene	**0.320 J**
789WG-18_0722-A	
Parameter	**Result (µg/L)**
1,2,4-TMB	**6.60 J**
1,3,5-TMB	**0.690 J**
2-Butanone	**10.8 J**
Acetone	20.0 UJ
Benzene	**11.5 J**
Cumene	**3.10 J**
Ethylbenzene	0.500 UJ
m,p-Xylene	**13.3 J**
Naphthalene	2.00 UJ
n-Butylbenzene	0.500 UJ
n-Propylbenzene	**0.610 J**
o-Xylene	**0.380 J**
p-Cymene	0.500 UJ
sec-Butylbenzene	**0.440 J**
Toluene	**0.490 J**

WL-789MW-257	
789MW257_1022	
Parameter	**Result (µg/L)**
1,2,4-TMB	0.500 U
1,3,5-TMB	0.500 UJ
2-Butanone	**16.1 J**
Acetone	**134 J**
Benzene	0.500 U
Cumene	0.500 U
Ethylbenzene	0.500 U
m,p-Xylene	1.00 U
Naphthalene	2.00 UJ
n-Butylbenzene	0.500 U
n-Propylbenzene	0.500 UJ
o-Xylene	0.500 U
p-Cymene	0.500 U
sec-Butylbenzene	0.500 UJ
Toluene	0.500 U

Note:
Only common detected analytes are shown.
All monitoring well locations are not shown.

Notes:

µg/L - micrograms per liter

NYSDEC - New York State Department of Environmental Conservation

TOGS - Technical and Operational Guidance Series

J - Estimated value

U - not detected

X - result may require rejection; applied due to initial calibration and holding time exceedances

Bold analtyical results indicate detection

Red analytical results exceed NYSDEC, Division of Water Technical and Operational Guidance Series (1.1.1), Table 1 New York State Ambient Water Quality Standards and Guidance Values

0 75 150 300 Feet

Legend:

- Monitoring Well Location
- Temporary Well Location 789WG-16 was replaced with Permanant Monitoring Well 789MW-257.
- Soil Boring Location
- Temporary Monitroing Well Location
- Approximate Excavation Boundary (7/2/2001 to 11/29/2001)
- Approximate Former Creek Bed Path
- Approximate Storm Drain Location
- Installation Restoration Program (IRP) Area
- 5657 Building Number
- 0781 Demolished Building Location
- Horizontal Well Screen (Below Ground)
- Horizontal Well Piping (Aboveground)
- Horizontal Well Piping (Below Ground)

Source: Esri, Maxar, Earthstar Geographics, IGN, and the GIS User Community

Free Product Assessment and Data Gap Investigation
Site SS067
Former Griffiss Air Force Base, Rome, New York

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APPENDIX B
HISTORICAL ANALYTICAL SUMMARY TABLES AND FREE PRODUCT GAUGING AND BAILING TABLES FIELD FORMS

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Appendix B-1
SS067 (Building 789) Free Product Gauging and Bailing Table (2019-2024)

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Appendix B-1 SS067 (Building 789)
Free Product Gauging and Bailing (2019-2024)
2024 Annual Monitoring Report for Petroleum Spill Sites
Former Griffiss Air Force Base, Rome, New York

Location Identification and Free Product Gauging/Recovery Details	Casing Diameter (inches)	3/20/2019	3/21/2019	3/24/2019	3/26/2019		4/5/2019	10/5/2019	11/9/2019	12/17/2019	
		Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)
789MW-96	4	Not detected - bubbling	Not measured	Not measured	Not detected	Not detected	0.46	1.55	0.71	0.34	Not measured
789MW-102	2										
789RW-200		4.68	0.17	0.18	Not measured	Not measured	0.26	4.92	3.49	4.32	0.75
789RW-202	6	7.42	1	0.75	1.20	0.55	2.46	4.23	1.26	1.06	0.43
789RW-205	6	0.54	0.54	0.18	Not measured	Not measured	0.09	0.46	0.32	0.23	Not measured
789RW-211	6	---	---	---	---	---	---	Not detected	0.14	0.03	Not measured
789RW-219	4	5.12	2.33	1.28	2.37	0.52	2.61	3.22	2.70	2.56	0.55
789RW-220	4	---	---	---	---	---	---	Not detected	Not detected	Not detected	Not measured
789RW-221	4	---	---	---	---	---	---	0.01	0.01	Not detected	Not measured
789MW-252	2	Not measured	Not measured	Not measured	1.83	0.18	0.21	2.75	1.37	1.71	0.58
789MW-253	2	---	---	---	---	---	---	---	---	---	---
789MW-254	2	---	---	---	---	---	---	---	---	---	---
Treatment / action	---	Gauged, Bailed, Treated with Ivey-sol®	Gauged, Bailed, Treated with Ivey-sol®	Gauged (post Ivey-sol®)	Gauged, Bailed	Gauged	Gauged	Gauged, Removed skimmers, Bailed	Gauged, Bailed	Gauged, Bailed	Gauged
Free product volume recovered (gallons)	---	Not measured	Not measured	Not applicable	Not measured	Not applicable	Not applicable	20	13	13	
Bailed after gauging	---	yes	yes	no	yes	no	no	yes	yes	yes	no
Approximate cumulative free product volume recovered (gallons) through 2023	206										

Notes:
Ivey-sol® Treated wells

Appendix B-1 SS067 (Building 789)
Free Product Gauging and Bailing (2019-2024)
2024 Annual Monitoring Report for Petroleum Spill Sites
Former Griffiss Air Force Base, Rome, New York

Location Identification and Free Product Gauging/Recovery Details	Casing Diameter (inches)	1/17/2020		2/20/2020		3/16/2020		4/17/2020		5/19/2020		6/18/2020	
		Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)
789MW-96	4	0.37	Not measured	0.35	Not measured	0.39	Not measured	0.42	Not measured	0.4	Not measured	0.38	Not measured
789MW-102	2												
789RW-200		3.98	0.29	3.69	0.56	3.07	0.42	3.97	0.51	3.11	0.24	2.31	0.47
789RW-202	6	0.83	0.15	0.66	0.37	0.69	0.31	0.70	0.33	0.76	0.41	0.82	0.48
789RW-205	6	0.38	Not measured	0.41	Not measured	0.36	Not measured	0.44	Not measured	0.49	Not measured	0.5	Not measured
789RW-211	6	0.15	Not measured	0.14	Not measured	0.15	Not measured	0.10	Not measured	0.27	Not measured	0.11	Not measured
789RW-219	4	2.20	0.17	2.30	0.32	2.01	0.45	2.22	0.37	2.47	0.45	2.79	0.35
789RW-220	4	Not detected	Not measured	Not detected	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured
789RW-221	4	Not detected	Not measured	0.10	Not measured	0.12	Not measured	0.10	Not measured	0.11	Not measured	Not measured	Not measured
789MW-252	2	1.86	0.22	2.41	0.32	1.69	0.45	2.12	0.52	2.60	0.43	2.84	0.41
789MW-253	2	---	---	---	---	---	---	---	---	---	---	---	---
789MW-254	2	---	---	---	---	---	---	---	---	---	---	---	---
Treatment / action	---	Gauged, Bailed	Gauged	Gauged, Bailed	Gauged	Gauged, Bailed	Gauged	Gauged, Bailed	Gauged	Gauged, Bailed	Gauged	Gauged, Bailed	Gauged
Free product volume recovered (gallons)	---	9.9		8.3		7.5		9		8		7.35	
Bailed after gauging	---	yes	no	yes	no	yes	no	yes	no	yes	no	yes	no
Approximate cumulative free product volume recovered (gallons) through 2023	206												

Notes:
Ivey-sol® Treated wells

Appendix B-1 SS067 (Building 789)
Free Product Gauging and Bailing (2019-2024)
2024 Annual Monitoring Report for Petroleum Spill Sites
Former Griffiss Air Force Base, Rome, New York

Location Identification and Free Product Gauging/Recovery Details	Casing Diameter (inches)	7/16/2020		8/17/2020		9/21/2020		10/19/2020		11/20/2020		12/18/2020	
		Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)
789MW-96	4	0.41	Not measured	0.10	Not measured	0.43	Not measured	0.42	Not measured	0.40	Not measured	0.53	Not measured
789MW-102	2												
789RW-200		1.02	0.18	0.06 inner casing/ 0.24 outer casing	0.03 inner casing/ Not measured outer casing	0.04 inner casing/ 0.28 outer casing	Not measured	0.26	Not measured	0.25	Not measured	0.34	Not measured
789RW-202	6	1.03	0.45	1.04	0.28	1.09	0.34	1.15	0.43	1.48	0.36	1.54	0.45
789RW-205	6	0.67	0.39	0.39	Not measured	0.51	Not measured	0.47	Not measured	0.38	Not measured	0.48	Not measured
789RW-211	6	0.13	Not measured	0.08	Not measured	0.10	Not measured	0.10	Not measured	0.07	Not measured	0.08	Not measured
789RW-219	4	3.30	0.31	3.13	0.25	3.25	0.39	2.95 inner casing/ 2.15 outer casing	0.43 inner casing/ 1.55 outer casing	2.64 inner casing/ 2.01 outer casing	0.36 inner casing/ 0.66 outer casing	2.44 inner casing/ 1.67 outer casing	0.28 inner casing/ 1.38 outer casing
789RW-220	4	Not measured	Not measured	Not detected	Not measured	Not detected	Not measured	Not detected	Not measured	Not detected	Not measured	Not detected	Not measured
789RW-221	4	Not measured	Not measured	0.09	Not measured	0.01	Not measured	0.08	Not measured	Not detected	Not measured	0.04	Not measured
789MW-252	2	3.34	0.98	2.85	0.59	2.89	0.55	1.23	0.61	0.99	0.65	0.87	0.52
789MW-253	2	---	---	---	---	---	---	---	---	---	---	---	---
789MW-254	2	---	---	---	---	---	---	---	---	---	---	---	---
Treatment / action	---	Gauged, Bailed	Gauged	Gauged, Bailed	Gauged	Gauged, Bailed	Gauged	Gauged, Bailed	Gauged	Gauged, Bailed	Gauged	Gauged, Bailed	Gauged
Free product volume recovered (gallons)	---	5.3		4.5		5.5		3		3.25		3.75	
Bailed after gauging	---	yes	no	yes	no	yes	no	yes	no	yes	no	yes	no
Approximate cumulative free product volume recovered (gallons) through 2023	206												

Notes:
Ivey-sol® Treated wells

Appendix B-1 SS067 (Building 789)
Free Product Gauging and Bailing (2019-2024)
2024 Annual Monitoring Report for Petroleum Spill Sites
Former Griffiss Air Force Base, Rome, New York

Location Identification and Free Product Gauging/Recovery Details	Casing Diameter (inches)	1/19/2021		3/17/2021		4/19/2021		5/17/2021		6/8/2021		7/7/2021	
		Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)
789MW-96	4	0.73	0.39	1.01	0.46	1.04	0.34	0.83	0.30	0.64	0.30	0.71	0.25
789MW-102	2												
789RW-200		0.27	Not measured	0.22	Not measured	0.21	Not measured	0.20	Not measured	0.21	Not measured	0.17	Not measured
789RW-202	6	1.72	0.47	2.54	0.41	1.98	0.46	2.03	0.49	1.99	0.43	2.72	0.46
789RW-205	6	0.42	Not measured	0.47	Not measured	0.54	Not measured	0.56	Not measured	0.58	0.41	0.38	Not measured
789RW-211	6	0.02	Not measured	0.07	Not measured	0.07	Not measured	0.05	Not measured	0.05	Not measured	0.01	Not measured
789RW-219	4	1.88 inner casing/ 1.88 outer casing	0.28 inner casing/ 1.10 outer casing	2.35 inner casing/ 1.70 outer casing	0.54 inner casing/ 1.06 outer casing	2.79 inner casing/ 2.04 outer casing	0.39 inner casing/ 0.96 outer casing	2.50 inner casing/ >2.08 outer casing	0.30 inner casing/ 1.16 outer casing	0.37 inner casing/ 2.56 outer casing	0.32 inner casing/ 0.83 outer casing	0.34 inner casing/ 2.40 outer casing	0.33 inner casing/ 0.81 outer casing
789RW-220	4	Not detected	Not measured	Not detected	Not measured	Not detected	Not measured	Not detected	Not measured	Not detected	Not measured	Not detected	Not measured
789RW-221	4	0.10	Not measured	0.10	Not measured	0.10	Not measured	0.10	Not measured	Not detected	Not measured	0.10	Not measured
789MW-252	2	1.06	0.45	1.19	0.48	1.03	0.23	0.98	0.23	1.02	0.32	1.42	0.56
789MW-253	2	---	---	---	---	---	---	---	---	---	---	---	---
789MW-254	2	---	---	---	---	---	---	---	---	---	---	---	---
Treatment / action	---	Gauged, Bailed	Gauged	Gauged, Bailed	Gauged	Gauged, Bailed	Gauged	Gauged, Bailed	Gauged	Gauged, Bailed	Gauged	Gauged, Bailed	Gauged
Free product volume recovered (gallons)	---	3.85		6.25		4.75		4.5		2.5		6	
Bailed after gauging	---	yes	no	yes	no	yes	no	yes	no	yes	no	yes	no
Approximate cumulative free product volume recovered (gallons) through 2023	206												

Notes:
Ivey-sol® Treated wells

Appendix B-1 SS067 (Building 789)
Free Product Gauging and Bailing (2019-2024)
2024 Annual Monitoring Report for Petroleum Spill Sites
Former Griffiss Air Force Base, Rome, New York

Location Identification and Free Product Gauging/Recovery Details	Casing Diameter (inches)	8/23/2021		9/21/2021		10/22/2021		11/15/2021		12/14/2021	
		Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)
789MW-96	4	0.44	Not measured	0.53	Not measured	0.51	Not measured	0.55	Not measured	0.38	Not measured
789MW-102	2										
789RW-200		0.14	Not measured	0.22	Not measured	0.21	Not measured	0.50	Not measured	0.90	0.48
789RW-202	6	1.93	0.48	0.76	0.53	0.93	0.44	0.60	0.40	0.65	0.32
789RW-205	6	0.32	Not measured	0.33	Not measured	0.32	Not measured	0.30	Not measured	0.35	Not measured
789RW-211	6	0.02	Not measured	0.01	Not measured	Not detected	Not measured	Not detected	Not measured	Not detected	Not measured
789RW-219	4	0.31 inner casing/ 1.39 outer casing	Not measured inner casing/ 1.15 outer casing	0.32 inner casing/ 2.29 outer casing	Not measured inner casing/ 0.60 outer casing	0.29 inner casing/ 1.70 outer casing	Not measured inner casing/ 0.72 outer casing	0.30 inner casing/ 1.53 outer casing	Not measured inner casing/ 0.75 outer casing	1.46	Not measured inner casing/ 0.44 outer casing
789RW-220	4	Not detected	Not measured	Not detected	Not measured	Not detected	Not measured	Not detected	Not measured	Not detected	Not measured
789RW-221	4	0.02	Not measured	0.08	Not measured	0.10	Not measured	Not detected	Not measured	0.04	Not measured
789MW-252	2	0.83	0.40	0.79	0.29	0.64	0.12	0.22	Not measured	0.19	Not measured
789MW-253	2	---	---	---	---	---	---	---	---	---	---
789MW-254	2	---	---	---	---	---	---	---	---	---	---
Treatment / action	---	Gauged, Bailed	Gauged	Gauged, Bailed	Gauged	Gauged, Bailed	Gauged	Gauged, Bailed	Gauged	Gauged, Bailed	Gauged
Free product volume recovered (gallons)	---	2.75		2.25		1.65		1.25		2.5	
Bailed after gauging	---	yes	no	yes	no	yes	no	yes	no	yes	no
Approximate cumulative free product volume recovered (gallons) through 2023	206										

Notes:
Ivey-sol® Treated wells

Appendix B-1 SS067 (Building 789)
Free Product Gauging and Bailing (2019-2024)
2024 Annual Monitoring Report for Petroleum Spill Sites
Former Griffiss Air Force Base, Rome, New York

Location Identification and Free Product Gauging/Recovery Details	Casing Diameter (inches)	1/14/2022		2/17/2022		3/24/2022		4/18/2022		5/23/2022		6/22/2022	
		Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)
789MW-96	4	0.53	Not measured	0.44	Not measured	0.4	Not measured	0.47	Not measured	0.45	Not measured	0.46	Not measured
789MW-102	2											0.02	Not measured
789RW-200		1.05	Not measured	1	0.31	0.34	Not measured	0.62	0.36	1.55	0.27	0.45	Not measured
789RW-202	6	0.72	Not measured	1.05	0.3	0.71	0.27	0.36	Not measured	0.44	Not measured	0.61	0.29
789RW-205	6	0.35	Not measured	0.3	Not measured	0.21	Not measured	0.23	Not measured	0.25	Not measured	0.25	Not measured
789RW-211	6	Not detected	Not measured	0.02	Not measured	0.02	Not measured	0.02	Not measured	Not detected	Not measured	Not detected	Not measured
789RW-219	4	1.60	0.29	2.34	0.25	1.58	0.15	1.38	0.24	1.93	0.15	2.13	0.21
789RW-220	4	Not detected	Not measured	Not detected	Not measured	Not detected	Not measured	Not detected	Not measured	Not detected	Not measured	Not detected	Not measured
789RW-221	4	Not detected	Not measured	Not detected	Not measured	Not detected	Not measured	Not detected	Not measured	Not detected	Not measured	Not detected	Not measured
789MW-252	2	0.39	Not measured	0.66	0.06	0.33	Not measured	0.24	Not measured	0.32	Not measured	0.31	Not measured
789MW-253	2	---	---	---	---	---	---	---	---	---	---	---	---
789MW-254	2	---	---	---	---	---	---	---	---	---	---	---	---
Treatment / action	---	Gauged, Bailed	Gauged	Gauged, Bailed	Gauged	Gauged, Bailed	Gauged	Gauged, Bailed	Gauged	Gauged, Bailed	Gauged	Gauged, Bailed	Gauged
Free product volume recovered (gallons)	---	0.19		3.57		1.58		1.12		3.04		1.72	
Bailed after gauging	---	yes	no	yes	no	yes	no	yes	no	yes	no	yes	no
Approximate cumulative free product volume recovered (gallons) through 2023	206												

Notes:
Ivey-sol® Treated wells

Appendix B-1 SS067 (Building 789)
Free Product Gauging and Bailing (2019-2024)
2024 Annual Monitoring Report for Petroleum Spill Sites
Former Griffiss Air Force Base, Rome, New York

Location Identification and Free Product Gauging/Recovery Details	Casing Diameter (inches)	7/22/2022		8/30/2022		9/28/2022		10/24/2022		11/18/2022		12/8/2022	
		Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)
789MW-96	4	0.48	Not measured	0.5	0.25	0.35	Not measured	0.42	Not measured	0.65	0.25	0.59	0.2
789MW-102	2	0.21	Not measured	0.2	Not measured	Not detected	Not measured	0.57	0	Not detected	Not measured	0.32	Not measured
789RW-200		0.55	0.34	0.36	Not measured	0.47	Not measured	0.42	Not measured	0.42	Not measured	0.43	Not measured
789RW-202	6	0.51	0.32	1.34	0.33	1.68	0.39	1.66	0.39	1.6	0.36	1.3	0.29
789RW-205	6	0.29	Not measured	Not measured	Not measured	0.39	Not measured	0.36	Not measured	0.4	Not measured	0.45	Not measured
789RW-211	6	Not detected	Not measured	0.01	Not measured	0.01	Not measured	Not detected	Not measured	Not detected	Not measured	Not detected	Not measured
789RW-219	4	1.60	0.2	2.88	0.25	2.96	0.25	2.82	0.27	2.80	0.1	2.59	0.03
789RW-220	4	Not detected	Not measured	Not detected	Not measured	Not detected	Not measured	Not detected	Not measured	Not detected	Not measured	Not detected	Not measured
789RW-221	4	Not detected	Not measured	Not detected	Not measured	Not detected	Not measured	Not detected	Not measured	Not detected	Not measured	Not detected	Not measured
789MW-252	2	0.69	0.09	1.21	0.2	0.87	0.09	0.54	0.09	0.28	Not measured	0.64	0.16
789MW-253	2	---	---	---	---	---	---	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured
789MW-254	2	---	---	---	---	---	---	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured
Treatment / action	---	Gauged, Bailed	Gauged	Gauged, Bailed	Gauged	Gauged, Bailed	Gauged	Gauged, Bailed	Gauged	Gauged, Bailed	Gauged	Gauged, Bailed	Gauged
Free product volume recovered (gallons)	---	1.6		3.52		3.79		3.97		3.84		3.48	
Bailed after gauging	---	yes	no	yes	no	yes	no	yes	no	yes	no	yes	no
Approximate cumulative free product volume recovered (gallons) through 2023	206												

Notes:
Ivey-sol® Treated wells

Appendix B-1 SS067 (Building 789)
Free Product Gauging and Bailing (2019-2024)
2024 Annual Monitoring Report for Petroleum Spill Sites
Former Griffiss Air Force Base, Rome, New York

Location Identification and Free Product Gauging/Recovery Details	Casing Diameter (inches)	2/24/2023		3/28/2023		6/19/2023	9/5/2023	10/19/2023	11/16/2023		3/12/2024	6/21/2024
		Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)
789MW-96	4	0.3	Not measured	0.28	Not measured	0.25	0	0	0.1	Not measured	1.62	1.35
789MW-102	2	Not measured	Not measured	0.54	Not measured	0.83	0.64	1.24	Not measured	Not measured	1.30	1.33
789RW-200		0.38	Not measured	0.46	Not measured	2.86	2.74	2.72	2.5	Not measured	1.25	1.69
789RW-202	6	0.84	0.25	0.63	0.30	0.52	1.55	2.61	3.85	Not measured	3.60	2.21
789RW-205	6	0.3	Not measured	0.18	Not measured	0.15	0	0	Not detected	Not measured	0.75	0.15
789RW-211	6	Not detected	Not measured	Not detected	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured
789RW-219	4	0.86	0.18	1.04	0.09	2.52	2.65	0.00	3.00	Not measured	Not measured	2.3
789RW-220	4	Not detected	Not measured	Not detected	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured
789RW-221	4	Not detected	Not measured	Not detected	Not measured	Not measured	Not measured	Not measured	Not detected	Not measured	Not measured	Not measured
789MW-252	2	Not measured	Not measured	1.04	0.12	0.43	0.93	0	0.5	Not measured	2.31	1.81
789MW-253	2	Not measured	Not measured	Not measured	Not measured	0.5	1	0.8	0.5	Not measured	0.65	0.58
789MW-254	2	Not measured	Not measured	Not measured	Not measured	1.51	4.32	0.92	4.15	Not measured	0.03	0
Treatment / action	---	Gauged, Bailed	Gauged	Gauged, Bailed	Gauged	Gauged	Gauged	Gauged	Gauged, Bailed	--	Gauged	Gauged
Free product volume recovered (gallons)	---	1.31		1.25		--	--	--	12			
Bailed after gauging	---	yes	no	yes	no	no	no	no	yes	no	no	no
Approximate cumulative free product volume recovered (gallons) through 2023	206											

Notes:
Ivey-sol® Treated wells

Appendix B-1 SS067 (Building 789)
Free Product Gauging and Bailing (2019-2024)
2024 Annual Monitoring Report for Petroleum Spill Sites
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Location Identification and Free Product Gauging/Recovery Details	Casing Diameter (inches)	10/21/2024		12/17/2024	
		Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)	Free Product Thickness (feet)
789MW-96	4	0.14	Not measured	1.28	0.64
789MW-102	2	0.00	Not measured	1.84	0.30
789RW-200		1.68	0.6	0.75	0.4
789RW-202	6	2.90	0.91	3.03	0.44
789RW-205	6	0	Not measured	0.22	Not measured
789RW-211	6	Not measured	Not measured	Not measured	Not measured
789RW-219	4	2.11	0.74	2.86	0.54
789RW-220	4	Not measured	Not measured	Not measured	Not measured
789RW-221	4	Not measured	Not measured	Not measured	Not measured
789MW-252	2	1.45	0.36	2.39	0.22
789MW-253	2	0	Not measured	1.22	0.4
789MW-254	2	3.66	0.38	2.61	0.26
Treatment / action	---	Gauged, Bailed	Gauged	Gauged, Bailed	Gauged
Free product volume recovered (gallons)	---	9.5		27	
Bailed after gauging	---	yes	no	yes	no
Approximate cumulative free product volume recovered (gallons) through 2023	206				

Notes:
Ivey-sol® Treated wells

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Appendix B-2
Analytical Summary Tables, Site SS067 Select Historical Groundwater Sampling Results (2022)

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Appendix B-2 SS067 (Building 789) - 789MW-46R
Analytical Summary Table - Results (2022)
Griffiss Air Force Base, New York

Location ID:		**789MW-46R**	
Field Sample ID:		**WL-789MW-46R-0822**	**WL-789MW-46R-1022**
Sample Date:		**8/31/2022**	**10/25/2022**
Sample Type:		**Normal**	**Normal**
Analyte	**NYSDEC AWQ S/GV**	**2022 Quarter 3 (µg/L)**	**2022 Quarter 4 (µg/L)**
1,1,1,2-Tetrachloroethane	5	0.500 U	0.500 U
1,1,1-Trichloroethane	5	0.500 U	0.500 U
1,1,2,2-Tetrachloroethane	5	0.500 U	0.500 U
1,1,2-Trichloroethane	1	0.500 U	0.500 U
1,1-Dichloroethane	5	0.500 U	0.500 U
1,1-Dichloroethene	5	0.500 U	0.500 U
1,1-Dichloropropene	5	0.500 U	0.500 U
1,2,3-Trichlorobenzene	5	1.00 U	1.00 U
1,2,3-Trichloropropane	0.04	1.00 U	1.00 U
1,2,4-Trichlorobenzene	5	1.00 U	1.00 U
1,2,4-Trimethylbenzene	5	0.500 U	0.500 U
1,2-Dibromo-3-chloropropane	0.04	2.00 U	2.00 U
1,2-Dibromoethane	0.0006	1.00 U	1.00 U
1,2-Dichlorobenzene	3	0.500 U	0.500 U
1,2-Dichloroethane	0.6	0.500 U	0.500 U
1,2-Dichloroethene	NC	1.00 U	1.00 U
1,2-Dichloropropane	1	0.500 U	0.500 U
1,3,5-Trimethylbenzene	5	0.500 U	0.500 U
1,3-Dichlorobenzene	3	0.500 U	0.500 U
1,3-Dichloropropane	5	0.500 U	0.500 U
1,4-Dichlorobenzene	3	0.500 U	0.500 U
2,2-Dichloropropane	5	0.500 U	0.500 U
2-Butanone	50	3.50 U	3.50 U
2-Chlorotoluene	5	0.500 U	0.500 U
2-Hexanone	50	5.00 U	5.00 U
4-Chlorotoluene	5	0.500 U	0.500 U
4-Methyl-2-pentanone	NC	2.00 U	2.00 U
Acetone	50	**32.4**	**21.0 J**
Benzene	1	**0.470 J**	0.500 U
Bromobenzene	5	0.500 U	0.500 U
Bromochloromethane	5	0.500 U	0.500 U
Bromodichloromethane	50	0.500 U	0.500 U
Bromoform	50	0.500 U	0.500 U
Bromomethane	5	4.00 U	4.00 U
Carbon disulfide	60	1.00 U	1.00 U
Carbon Tetrachloride	5	0.500 U	0.500 U
Chlorobenzene	5	0.500 U	0.500 U
Chloroethane	5	1.00 U	1.00 U
Chloroform	7	0.500 U	0.500 U
Chloromethane	5	1.00 U	1.00 U
cis-1,2-Dichloroethene	5	0.500 U	0.500 U
cis-1,3-Dichloropropene	0.4	0.500 U	0.500 U
Isopropylbenzene	5	0.500 U	0.500 U
Dibromochloromethane	50	0.500 U	0.500 U
Dibromomethane	5	0.500 U	0.500 U
Dichlorodifluoromethane	5	1.00 U	1.00 U
Ethylbenzene	5	**0.370 J**	**0.370 J**
Hexachlorobutadiene	0.5	1.00 U	1.00 U
m,p-Xylene	5	1.00 U	1.00 U
Methyl tert-butyl ether	10	0.500 U	0.500 U
Methylene chloride	5	4.00 U	4.00 U
Naphthalene	10	2.00 U	2.00 U
n-Butylbenzene	5	0.500 U	0.500 U
n-Propylbenzene	5	0.500 U	0.500 U
o-Xylene	5	0.500 U	0.500 U
p-Isopropyltoluene	5	0.500 U	0.500 U
sec-Butylbenzene	5	0.500 U	0.500 U
Styrene	5	0.500 U	0.500 U
tert-Butylbenzene	5	0.500 U	0.500 U
Tetrachloroethene	5	0.500 U	0.500 U
Toluene	5	0.500 U	0.500 U
trans-1,2-Dichloroethene	5	0.500 U	0.500 U
trans-1,3-Dichloropropene	0.4	0.500 U	0.500 U
Trichloroethene	5	0.500 U	0.500 U
Trichlorofluoromethane	5	1.00 U	1.00 U
Vinyl acetate	NC	5.00 U	5.00 U
Vinyl chloride	2	0.500 U	0.500 U
Xylenes, Total	NC	1.50 U	1.50 U

Notes:
NC = no criteria
J = estimated value
U = not detected; reported to limit of detection
UJ = The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria
µg/L = micrograms per liter
Bold analytical results indicate detection
Red analytical results exceed NYSDEC AWQ S/GV
NYSDEC AWQ S/GV = New York State Department of Environmental Conservation, Division of Water Technical and Operational Guidance Series (TOGS) (1.1.1), Table 1 New York State Ambient Water Quality Standards and Guidance Values (June 1998); Addendum to June 1998 Division of Water Technical and Operational Guidance Series (TOGS) No. 1.1.1 (April 2000)

Appendix B-2 SS067 (Building 789) - 789MW-83
Analytical Summary Table - Results (2022)
Griffiss Air Force Base, New York

Location ID:		789MW-83				
Field Sample ID:		789MW-83_0322	WL-789MW-83-0622	WL-789MW-83-0822	WL-789MW-83-1022	WL-789MW-83-1022-A
Sample Date:		3/24/2022	6/22/2022	8/31/2022	10/25/2022	10/25/2022
Sample Type:		Normal	Normal	Normal	Normal	Field Duplicate
Analyte	NYSDEC AWQ S/GV	2022 Quarter 1 (µg/L)	2022 Quarter 2 (µg/L)	2022 Quarter 3 (µg/L)	2022 Quarter 4 (µg/L)	
1,1,1,2-Tetrachloroethane	5	0.500 U	0.500 UJ	0.500 U	0.500 U	0.500 U
1,1,1-Trichloroethane	5	0.500 U	0.500 UJ	0.500 U	0.500 U	0.500 U
1,1,2,2-Tetrachloroethane	5	0.500 U	0.500 UJ	0.500 U	0.500 U	0.500 U
1,1,2-Trichloroethane	1	0.500 U	0.500 UJ	0.500 U	0.500 U	0.500 U
1,1-Dichloroethane	5	0.500 U	0.500 UJ	0.500 U	0.500 U	0.500 U
1,1-Dichloroethene	5	0.500 U	0.500 UJ	0.500 U	0.500 U	0.500 U
1,1-Dichloropropene	5	0.500 U	0.500 UJ	0.500 U	0.500 U	0.500 U
1,2,3-Trichlorobenzene	5	1.00 U	1.00 UJ	1.00 U	1.00 U	1.00 U
1,2,3-Trichloropropane	0.04	1.00 U	1.00 UJ	1.00 U	1.00 U	1.00 U
1,2,4-Trichlorobenzene	5	1.00 U	1.00 UJ	1.00 U	1.00 U	1.00 U
1,2,4-Trimethylbenzene	5	0.500 U	0.500 UJ	0.500 U	0.500 U	0.500 U
1,2-Dibromo-3-chloropropane	0.04	2.00 U	2.00 UJ	2.00 U	2.00 U	2.00 U
1,2-Dibromoethane	0.0006	1.00 U	1.00 UJ	1.00 U	1.00 U	1.00 U
1,2-Dichlorobenzene	3	0.500 U	0.500 UJ	0.500 U	0.500 U	0.500 U
1,2-Dichloroethane	0.6	0.500 U	0.500 UJ	0.500 U	0.500 U	0.500 U
1,2-Dichloroethene	NC	1.00 U	1.00 UJ	1.00 U	1.00 U	1.00 U
1,2-Dichloropropane	1	0.500 U	0.500 UJ	0.500 U	0.500 U	0.500 U
1,3,5-Trimethylbenzene	5	0.500 U	0.500 UJ	0.500 U	0.500 U	0.500 U
1,3-Dichlorobenzene	3	0.500 U	0.500 UJ	0.500 U	0.500 U	0.500 U
1,3-Dichloropropane	5	0.500 U	0.500 UJ	0.500 U	0.500 U	0.500 U
1,4-Dichlorobenzene	3	0.500 U	0.500 UJ	0.500 U	0.500 U	0.500 U
2,2-Dichloropropane	5	0.500 U	0.500 UJ	0.500 U	0.500 U	0.500 U
2-Butanone	50	3.50 U	3.50 UJ	3.50 U	3.50 U	3.50 U
2-Chlorotoluene	5	0.500 U	0.500 UJ	0.500 U	0.500 U	0.500 U
2-Hexanone	50	5.00 U	5.00 UJ	5.00 U	5.00 U	5.00 U
4-Chlorotoluene	5	0.500 U	0.500 UJ	0.500 U	0.500 U	0.500 U
4-Methyl-2-pentanone	NC	2.00 U	2.00 UJ	2.00 U	2.00 U	2.00 U
Acetone	50	20.0 U	20.0 UJ	20.0 U	20.0 U	20.0 U
Benzene	1	0.500 U	0.500 UJ	0.500 U	0.500 U	0.500 U
Bromobenzene	5	0.500 U	0.500 UJ	0.500 U	0.500 U	0.500 U
Bromochloromethane	5	0.500 U	0.500 UJ	0.500 U	0.500 U	0.500 U
Bromodichloromethane	50	0.500 U	0.500 UJ	0.500 U	0.500 U	0.500 U
Bromoform	50	0.500 U	0.500 UJ	0.500 U	0.500 U	0.500 U
Bromomethane	5	4.00 U	4.00 UJ	4.00 U	4.00 U	4.00 U
Carbon disulfide	60	1.00 U	1.00 UJ	1.00 U	1.00 U	1.00 U
Carbon Tetrachloride	5	0.500 U	0.500 UJ	0.500 U	0.500 U	0.500 U
Chlorobenzene	5	0.500 U	0.500 UJ	0.500 U	0.500 U	0.500 U
Chloroethane	5	1.00 U	1.00 UJ	1.00 U	1.00 U	1.00 U
Chloroform	7	0.500 U	0.500 UJ	0.500 U	0.500 U	0.500 U
Chloromethane	5	1.00 U	1.00 UJ	1.00 U	1.00 U	1.00 U
cis-1,2-Dichloroethene	5	0.500 U	0.500 UJ	0.500 U	0.500 U	0.500 U
cis-1,3-Dichloropropene	0.4	0.500 U	0.500 UJ	0.500 U	0.500 U	0.500 U
Isopropylbenzene	5	0.500 U	0.500 UJ	0.500 U	0.500 U	0.500 U
Dibromochloromethane	50	0.500 U	0.500 UJ	0.500 U	0.500 U	0.500 U
Dibromomethane	5	0.500 U	0.500 UJ	0.500 U	0.500 U	0.500 U
Dichlorodifluoromethane	5	1.00 U	1.00 UJ	1.00 U	1.00 U	1.00 U
Ethylbenzene	5	0.500 U	0.500 UJ	0.500 U	0.500 U	0.500 U
Hexachlorobutadiene	0.5	1.00 U	1.00 UJ	1.00 U	1.00 U	1.00 U
m,p-Xylene	5	1.00 U	1.00 UJ	1.00 U	1.00 U	1.00 U
Methyl tert-butyl ether	10	0.500 U	0.500 UJ	0.500 U	0.500 U	0.500 U
Methylene chloride	5	4.00 U	4.00 UJ	4.00 U	4.00 U	4.00 U
Naphthalene	10	2.00 U	2.00 UJ	2.00 U	2.00 U	2.00 U
n-Butylbenzene	5	0.500 U	0.500 UJ	0.500 U	0.500 U	0.500 U
n-Propylbenzene	5	0.500 U	0.500 UJ	0.500 U	0.500 U	0.500 U
o-Xylene	5	0.500 U	0.500 UJ	0.500 U	0.500 U	0.500 U
p-Isopropyltoluene	5	0.500 U	0.500 UJ	0.500 U	0.500 U	0.500 U
sec-Butylbenzene	5	0.500 U	0.500 UJ	0.500 U	0.500 U	0.500 U
Styrene	5	0.500 U	0.500 UJ	0.500 U	0.500 U	0.500 U
tert-Butylbenzene	5	0.500 U	0.500 UJ	0.500 U	0.500 U	0.500 U
Tetrachloroethene	5	0.500 U	0.500 UJ	0.500 U	0.500 U	0.500 U
Toluene	5	0.500 U	0.500 UJ	0.500 U	0.500 U	0.500 U
trans-1,2-Dichloroethene	5	0.500 U	0.500 UJ	0.500 U	0.500 U	0.500 U
trans-1,3-Dichloropropene	0.4	0.500 U	0.500 UJ	0.500 U	0.500 U	0.500 U
Trichloroethene	5	0.500 U	0.500 UJ	0.500 U	0.500 U	0.500 U
Trichlorofluoromethane	5	1.00 U	1.00 UJ	1.00 U	1.00 U	1.00 U
Vinyl acetate	NC	5.00 U	5.00 UJ	5.00 U	5.00 U	5.00 U
Vinyl chloride	2	0.500 U	0.500 UJ	0.500 U	0.500 U	0.500 U
Xylenes, Total	NC	1.50 U	1.50 UJ	1.50 U	1.50 U	1.50 U

Notes:
NC = no criteria
J = estimated value
U = not detected; reported to limit of detection

UJ = The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria

µg/L = micrograms per liter
Bold analytical results indicate detection
Red analytical results exceed NYSDEC AWQ S/GV
NYSDEC AWQ S/GV = New York State Department of Environmental Conservation, Division of Water Technical and Operational Guidance Series (TOGS) (1.1.1), Table 1 New York State Ambient Water Quality Standards and Guidance Values (June 1998); Addendum to June 1998 Division of Water Technical and Operational Guidance Series (TOGS) No. 1.1.1 (April 2000)

Appendix B-2 SS067 (Building 789) - 789MW-95
Analytical Summary Table - Results (2022)
Griffiss Air Force Base, New York

Location ID:		789MW-95	
Field Sample ID:		WL-789MW-95-0822	WL-789MW-95-1022
Sample Date:		8/31/2022	10/25/2022
Sample Type:		Normal	Normal
Analyte	NYSDEC AWQ S/GV	2022 Quarter 3 (µg/L)	2022 Quarter 4 (µg/L)
1,1,1,2-Tetrachloroethane	5	0.500 U	0.500 U
1,1,1-Trichloroethane	5	0.500 U	0.500 U
1,1,2,2-Tetrachloroethane	5	0.500 U	0.500 U
1,1,2-Trichloroethane	1	0.500 U	0.500 U
1,1-Dichloroethane	5	0.500 U	0.500 U
1,1-Dichloroethene	5	0.500 U	0.500 U
1,1-Dichloropropene	5	0.500 U	0.500 U
1,2,3-Trichlorobenzene	5	1.00 U	1.00 U
1,2,3-Trichloropropane	0.04	1.00 U	1.00 U
1,2,4-Trichlorobenzene	5	1.00 U	1.00 U
1,2,4-Trimethylbenzene	5	0.500 U	0.500 U
1,2-Dibromo-3-chloropropane	0.04	2.00 U	2.00 U
1,2-Dibromoethane	0.0006	1.00 U	1.00 U
1,2-Dichlorobenzene	3	0.500 U	0.500 U
1,2-Dichloroethane	0.6	0.500 U	0.500 U
1,2-Dichloroethene	NC	1.00 U	1.00 U
1,2-Dichloropropane	1	0.500 U	0.500 U
1,3,5-Trimethylbenzene	5	0.500 U	0.500 U
1,3-Dichlorobenzene	3	0.500 U	0.500 U
1,3-Dichloropropane	5	0.500 U	0.500 U
1,4-Dichlorobenzene	3	0.500 U	0.500 U
2,2-Dichloropropane	5	0.500 U	0.500 U
2-Butanone	50	3.50 U	3.50 U
2-Chlorotoluene	5	0.500 U	0.500 U
2-Hexanone	50	5.00 U	5.00 U
4-Chlorotoluene	5	0.500 U	0.500 U
4-Methyl-2-pentanone	NC	2.00 U	2.00 U
Acetone	50	20.0 U	20.0 U
Benzene	1	0.500 U	0.500 U
Bromobenzene	5	0.500 U	0.500 U
Bromochloromethane	5	0.500 U	0.500 U
Bromodichloromethane	50	0.500 U	0.500 U
Bromoform	50	0.500 U	0.500 U
Bromomethane	5	4.00 U	4.00 U
Carbon disulfide	60	1.00 U	1.00 U
Carbon Tetrachloride	5	0.500 U	0.500 U
Chlorobenzene	5	0.500 U	0.500 U
Chloroethane	5	1.00 U	1.00 U
Chloroform	7	0.500 U	0.500 U
Chloromethane	5	1.00 U	1.00 U
cis-1,2-Dichloroethene	5	0.500 U	0.500 U
cis-1,3-Dichloropropene	0.4	0.500 U	0.500 U
Isopropylbenzene	5	0.500 U	0.500 U
Dibromochloromethane	50	0.500 U	0.500 U
Dibromomethane	5	0.500 U	0.500 U
Dichlorodifluoromethane	5	1.00 U	1.00 U
Ethylbenzene	5	0.500 U	0.500 U
Hexachlorobutadiene	0.5	1.00 U	1.00 U
m,p-Xylene	5	1.00 U	1.00 U
Methyl tert-butyl ether	10	0.500 U	0.500 U
Methylene chloride	5	4.00 U	4.00 U
Naphthalene	10	2.00 U	2.00 U
n-Butylbenzene	5	0.500 U	0.500 U
n-Propylbenzene	5	0.500 U	0.500 U
o-Xylene	5	0.500 U	0.500 U
p-Isopropyltoluene	5	0.500 U	0.500 U
sec-Butylbenzene	5	0.500 U	0.500 U
Styrene	5	0.500 U	0.500 U
tert-Butylbenzene	5	0.500 U	0.500 U
Tetrachloroethene	5	0.500 U	0.500 U
Toluene	5	0.500 U	0.500 U
trans-1,2-Dichloroethene	5	0.500 U	0.500 U
trans-1,3-Dichloropropene	0.4	0.500 U	0.500 U
Trichloroethene	5	0.500 U	0.500 U
Trichlorofluoromethane	5	1.00 U	1.00 U
Vinyl acetate	NC	5.00 U	5.00 U
Vinyl chloride	2	0.500 U	0.500 U
Xylenes, Total	NC	1.50 U	1.50 U

Notes:
NC = no criteria
J = estimated value
U = not detected; reported to limit of detection
UJ = The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria
µg/L = micrograms per liter
Bold analytical results indicate detection
Red analytical results exceed NYSDEC AWQ S/GV
NYSDEC AWQ S/GV = New York State Department of Environmental Conservation, Division of Water Technical and Operational Guidance Series (TOGS) (1.1.1), Table 1 New York State Ambient Water Quality Standards and Guidance Values (June 1998); Addendum to June 1998 Division of Water Technical and Operational Guidance Series (TOGS) No. 1.1.1 (April 2000)

Appendix B-2 SS067 (Building 789) - 789MW-98
Analytical Summary Table - Results (2022)
Griffiss Air Force Base, New York

Location ID:		789MW-98			
Field Sample ID:		789MW-98_0322	WL-789MW-98-0622	WL-789MW-98-0822	WL-789MW-98-1022
Sample Date:		3/24/2022	6/22/2022	8/30/2022	10/24/2022
Sample Type:		Normal	Normal	Normal	Normal
Analyte	NYSDEC AWQ S/GV	2022 Quarter 1 (µg/L)	2022 Quarter 2 (µg/L)	2022 Quarter 3 (µg/L)	2022 Quarter 4 (µg/L)
1,1,1,2-Tetrachloroethane	5	0.500 U	0.500 U	0.500 U	5.00 U
1,1,1-Trichloroethane	5	0.500 U	0.500 U	0.500 U	5.00 U
1,1,2,2-Tetrachloroethane	5	0.500 U	0.500 U	0.500 U	5.00 U
1,1,2-Trichloroethane	1	0.500 U	0.500 U	0.500 U	5.00 U
1,1-Dichloroethane	5	0.500 U	0.500 U	0.500 U	5.00 U
1,1-Dichloroethene	5	0.500 U	0.500 U	0.500 U	5.00 U
1,1-Dichloropropene	5	0.500 U	0.500 U	0.500 U	5.00 U
1,2,3-Trichlorobenzene	5	1.00 U	1.00 U	1.00 U	10.0 U
1,2,3-Trichloropropane	0.04	1.00 U	1.00 U	1.00 U	10.0 U
1,2,4-Trichlorobenzene	5	1.00 U	1.00 U	1.00 U	10.0 U
1,2,4-Trimethylbenzene	5	**220 J**	**91.4**	**88.9**	**316**
1,2-Dibromo-3-chloropropane	0.04	2.00 U	2.00 U	2.00 U	20.0 U
1,2-Dibromoethane	0.0006	1.00 U	1.00 U	1.00 U	10.0 U
1,2-Dichlorobenzene	3	0.500 U	0.500 U	0.500 U	5.00 U
1,2-Dichloroethane	0.6	0.500 U	0.500 U	0.500 U	5.00 U
1,2-Dichloroethene	NC	1.00 U	1.00 U	1.00 U	10.0 U
1,2-Dichloropropane	1	0.500 U	0.500 U	0.500 U	5.00 U
1,3,5-Trimethylbenzene	5	**89.3**	**33.3**	**31.9**	**91**
1,3-Dichlorobenzene	3	0.500 U	0.500 U	0.500 U	5.00 U
1,3-Dichloropropane	5	0.500 U	0.500 U	0.500 U	5.00 U
1,4-Dichlorobenzene	3	0.500 U	0.500 U	0.500 U	5.00 U
2,2-Dichloropropane	5	0.500 U	0.500 U	0.500 U	5.00 U
2-Butanone	50	3.50 U	**115**	**2.10 J**	**182**
2-Chlorotoluene	5	0.500 U	0.500 U	0.500 U	5.00 U
2-Hexanone	50	**2.30 J**	5.00 U	5.00 U	50.0 U
4-Chlorotoluene	5	0.500 U	0.500 U	0.500 U	5.00 U
4-Methyl-2-pentanone	NC	**4.10 J**	2.00 U	**5**	20.0 U
Acetone	50	**244**	20.0 U	**112**	**549**
Benzene	1	**33**	**22.8**	**48.1**	**79.1**
Bromobenzene	5	0.500 U	0.500 U	0.500 U	5.00 U
Bromochloromethane	5	0.500 U	0.500 U	0.500 U	5.00 U
Bromodichloromethane	50	0.500 U	0.500 U	0.500 U	5.00 U
Bromoform	50	0.500 U	0.500 U	0.500 U	5.00 U
Bromomethane	5	4.00 U	4.00 U	4.00 U	40.0 U
Carbon disulfide	60	1.00 U	**0.570 J**	**0.710 J**	10.0 U
Carbon Tetrachloride	5	0.500 U	0.500 U	0.500 U	5.00 U
Chlorobenzene	5	0.500 U	0.500 U	0.500 U	5.00 U
Chloroethane	5	1.00 U	1.00 U	1.00 U	10.0 U
Chloroform	7	0.500 U	0.500 U	0.500 U	5.00 U
Chloromethane	5	1.00 U	1.00 U	1.00 U	10.0 U
cis-1,2-Dichloroethene	5	0.500 U	0.500 U	0.500 U	5.00 U
cis-1,3-Dichloropropene	0.4	0.500 U	0.500 U	0.500 U	5.00 U
Isopropylbenzene	5	**14.7**	**3.1**	**4.6**	**16.7**
Dibromochloromethane	50	0.500 U	0.500 U	0.500 U	5.00 U
Dibromomethane	5	0.500 U	0.500 U	0.500 U	5.00 U
Dichlorodifluoromethane	5	1.00 U	1.00 U	1.00 U	10.0 U
Ethylbenzene	5	**56**	**9.1**	**16.5**	**63.6**
Hexachlorobutadiene	0.5	1.00 U	1.00 U	1.00 U	10.0 U
m,p-Xylene	5	**251 J**	**53.9**	**84.6**	**282**
Methyl tert-butyl ether	10	0.500 U	0.500 U	0.500 U	5.00 U
Methylene chloride	5	4.00 U	4.00 U	4.00 U	40.0 U
Naphthalene	10	**54.1**	**10.4**	**18.1**	**59.6**
n-Butylbenzene	5	**19**	**6**	**6.4**	**12.3**
n-Propylbenzene	5	**34.3**	**7.7**	**10.1**	**37.4**
o-Xylene	5	**10.2 J**	**8.3**	**7.9**	**9.90 J**
p-Isopropyltoluene	5	**10.9**	**5.7**	**4.7**	**9.70 J**
sec-Butylbenzene	5	**11**	0.500 U	**3.8**	**12.8**
Styrene	5	0.500 U	0.500 U	0.500 U	5.00 U
tert-Butylbenzene	5	**2**	0.500 U	**0.820 J**	5.00 U
Tetrachloroethene	5	0.500 U	0.500 U	0.500 U	5.00 U
Toluene	5	1.30 U	1.30 U	2.20 U	**3.20 J**
trans-1,2-Dichloroethene	5	0.500 U	0.500 U	0.500 U	5.00 U
trans-1,3-Dichloropropene	0.4	0.500 U	0.500 U	0.500 U	5.00 U
Trichloroethene	5	0.500 U	0.500 U	0.500 U	5.00 U
Trichlorofluoromethane	5	1.00 U	1.00 U	1.00 U	10.0 U
Vinyl acetate	NC	5.00 U	**3.00 J**	5.00 U	250 U
Vinyl chloride	2	0.500 U	0.500 U	0.500 U	5.00 U
Xylenes, Total	NC	**261 J**	**62.2**	**92.5**	**292**

Notes:
NC = no criteria
J = estimated value
U = not detected; reported to limit of detection
UJ = The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria
µg/L = micrograms per liter
Bold analytical results indicate detection
Red analytical results exceed NYSDEC AWQ S/GV
NYSDEC AWQ S/GV = New York State Department of Environmental Conservation, Division of Water Technical and Operational Guidance Series (TOGS) (1.1.1), Table 1 New York State Ambient Water Quality Standards and Guidance Values (June 1998); Addendum to June 1998 Division of Water Technical and Operational Guidance Series (TOGS) No. 1.1.1 (April 2000)

Appendix B-2 SS067 (Building 789) - 789MW-99
Analytical Summary Table - Results (2022)
Griffiss Air Force Base, New York

Location ID:		WL-789MW-99					
Field Sample ID:		789MW-99_0322	789MW-99_0322-A	WL-789MW-99-0622	WL-789MW-99-0622-A	WL-789MW-99-0822	WL-789MW-99-1022
Sample Date:		3/25/2022	3/25/2022	6/22/2022	6/22/2022	8/30/2022	10/25/2022
Sample Type:		Normal	Field Duplicate	Normal	Field Duplicate	Normal	Normal
Analyte	NYSDEC AWQ S/GV	2022 Quarter 1 (µg/L)		2022 Quarter 2 (µg/L)		2022 Quarter 3 (µg/L)	2022 Quarter 4 (µg/L)
1,1,1,2-Tetrachloroethane	5	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,1,1-Trichloroethane	5	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,1,2,2-Tetrachloroethane	5	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,1,2-Trichloroethane	1	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,1-Dichloroethane	5	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,1-Dichloroethene	5	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,1-Dichloropropene	5	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,2,3-Trichlorobenzene	5	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
1,2,3-Trichloropropane	0.04	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
1,2,4-Trichlorobenzene	5	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
1,2,4-Trimethylbenzene	5	**0.450 J**	0.500 U	**0.450 J**	0.500 U	0.500 U	0.500 U
1,2-Dibromo-3-chloropropane	0.04	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
1,2-Dibromoethane	0.0006	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
1,2-Dichlorobenzene	3	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,2-Dichloroethane	0.6	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,2-Dichloroethene	NC	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
1,2-Dichloropropane	1	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,3,5-Trimethylbenzene	5	**0.280 J**	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,3-Dichlorobenzene	3	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,3-Dichloropropane	5	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,4-Dichlorobenzene	3	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
2,2-Dichloropropane	5	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
2-Butanone	50	3.50 U	3.50 U	**26.3 J**	3.50 U	**2.10 J**	3.50 U
2-Chlorotoluene	5	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
2-Hexanone	50	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
4-Chlorotoluene	5	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
4-Methyl-2-pentanone	NC	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Acetone	50	**67.5**	**66.1**	20.0 U	20.0 U	**44.2**	**56**
Benzene	1	**2.3**	**2.3**	**1.8**	**1.7**	**1.6**	0.500 U
Bromobenzene	5	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Bromochloromethane	5	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Bromodichloromethane	50	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Bromoform	50	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Bromomethane	5	4.00 U	4.00 U	4.00 U	4.00 U	4.00 U	4.00 U
Carbon disulfide	60	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
Carbon Tetrachloride	5	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Chlorobenzene	5	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Chloroethane	5	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
Chloroform	7	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Chloromethane	5	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
cis-1,2-Dichloroethene	5	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
cis-1,3-Dichloropropene	0.4	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Isopropylbenzene	5	**0.680 J**	**0.620 J**	**1.1**	**0.950 J**	**1.1**	**0.790 J**
Dibromochloromethane	50	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Dibromomethane	5	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Dichlorodifluoromethane	5	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
Ethylbenzene	5	**3.9**	**3.8**	**5**	**4.7**	**2.8**	**1.4**
Hexachlorobutadiene	0.5	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
m,p-Xylene	5	1.00 U	1.00 U	**0.610 J**	1.00 U	1.00 U	1.00 U
Methyl tert-butyl ether	10	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Methylene chloride	5	4.00 U	4.00 U	4.00 U	4.00 U	4.00 U	4.00 U
Naphthalene	10	**2.50 J**	**2.30 J**	**3.60 J**	**3.70 J**	**4.20 J**	**2.40 J**
n-Butylbenzene	5	**0.390 J**	**0.360 J**	0.500 U	0.500 U	**0.480 J**	0.500 U
n-Propylbenzene	5	**0.720 J**	**0.680 J**	**1**	**0.930 J**	**1.1**	**0.830 J**
o-Xylene	5	**0.300 J**	**0.330 J**	**0.380 J**	**0.310 J**	0.500 U	0.500 U
p-Isopropyltoluene	5	0.500 U	0.500 U	0.500 U	0.500 U	**0.210 J**	0.500 U
sec-Butylbenzene	5	**0.910 J**	**0.840 J**	**1.1**	**0.990 J**	**1**	**0.750 J**
Styrene	5	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
tert-Butylbenzene	5	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Tetrachloroethene	5	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Toluene	5	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	**0.350 J**
trans-1,2-Dichloroethene	5	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
trans-1,3-Dichloropropene	0.4	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Trichloroethene	5	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Trichlorofluoromethane	5	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
Vinyl acetate	NC	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
Vinyl chloride	2	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Xylenes, Total	NC	1.50 U	1.50 U	**0.990 J**	**0.770 J**	1.50 U	1.50 U

Notes:
NC = no criteria
J = estimated value
U = not detected; reported to limit of detection
UJ = The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria
µg/L = micrograms per liter
Bold analytical results indicate detection
Red analytical results exceed NYSDEC AWQ S/GV
NYSDEC AWQ S/GV = New York State Department of Environmental Conservation, Division of Water Technical and Operational Guidance Series (TOGS) (1.1.1), Table 1 New York State Ambient Water Quality Standards and Guidance Values (June 1998); Addendum to June 1998 Division of Water Technical and Operational Guidance Series (TOGS) No. 1.1.1 (April 2000)

Appendix B-2 SS067 (Building 789) - 789MW-102
Analytical Summary Table - Results (2022)
Griffiss Air Force Base, New York

Location ID:		WL-789MW-102	
Field Sample ID:		WL-789MW-102-0822	WL-789MW-102-1022
Sample Date:		8/30/2022	10/24/2022
Sample Type:		Normal	Normal
Analyte	NYSDEC AWQ S/GV	2022 Quarter 3 (µg/L)	2022 Quarter 4 (µg/L)
1,1,1,2-Tetrachloroethane	5	2.50 U	10.0 U
1,1,1-Trichloroethane	5	2.50 U	10.0 U
1,1,2,2-Tetrachloroethane	5	2.50 U	10.0 U
1,1,2-Trichloroethane	1	2.50 U	10.0 U
1,1-Dichloroethane	5	2.50 U	10.0 U
1,1-Dichloroethene	5	2.50 U	10.0 U
1,1-Dichloropropene	5	2.50 U	10.0 U
1,2,3-Trichlorobenzene	5	5.00 U	20.0 U
1,2,3-Trichloropropane	0.04	5.00 U	20.0 U
1,2,4-Trichlorobenzene	5	5.00 U	20.0 U
1,2,4-Trimethylbenzene	5	**337**	**566**
1,2-Dibromo-3-chloropropane	0.04	10.0 U	40.0 U
1,2-Dibromoethane	0.0006	5.00 U	20.0 U
1,2-Dichlorobenzene	3	2.50 U	10.0 U
1,2-Dichloroethane	0.6	2.50 U	10.0 U
1,2-Dichloroethene	NC	5.00 U	20.0 U
1,2-Dichloropropane	1	2.50 U	10.0 U
1,3,5-Trimethylbenzene	5	**85.3**	**157**
1,3-Dichlorobenzene	3	2.50 U	10.0 U
1,3-Dichloropropane	5	2.50 U	10.0 U
1,4-Dichlorobenzene	3	2.50 U	10.0 U
2,2-Dichloropropane	5	2.50 U	10.0 U
2-Butanone	50	18.0 U	70.0 U
2-Chlorotoluene	5	2.50 U	10.0 U
2-Hexanone	50	25.0 U	100 U
4-Chlorotoluene	5	2.50 U	10.0 UJ
4-Methyl-2-pentanone	NC	10.0 U	40.0 U
Acetone	50	**178**	400 U
Benzene	1	**79.7**	**135**
Bromobenzene	5	2.50 U	10.0 U
Bromochloromethane	5	2.50 U	10.0 U
Bromodichloromethane	50	2.50 U	10.0 U
Bromoform	50	2.50 U	10.0 U
Bromomethane	5	20.0 U	80.0 U
Carbon disulfide	60	5.00 U	20.0 U
Carbon Tetrachloride	5	2.50 U	10.0 U
Chlorobenzene	5	2.50 U	10.0 U
Chloroethane	5	5.00 U	10.0 UJ
Chloroform	7	2.50 U	10.0 U
Chloromethane	5	**5.00 J**	20.0 U
cis-1,2-Dichloroethene	5	2.50 U	10.0 U
cis-1,3-Dichloropropene	0.4	2.50 U	10.0 U
Isopropylbenzene	5	**21.9**	**28.7**
Dibromochloromethane	50	2.50 U	10.0 U
Dibromomethane	5	2.50 U	10.0 U
Dichlorodifluoromethane	5	5.00 U	20.0 U
Ethylbenzene	5	**142**	**219**
Hexachlorobutadiene	0.5	5.00 U	20.0 U
m,p-Xylene	5	**539**	**594**
Methyl tert-butyl ether	10	2.50 U	10.0 U
Methylene chloride	5	**10.9 J**	80.0 U
Naphthalene	10	**142**	**208**
n-Butylbenzene	5	**13.3**	**17.2 J**
n-Propylbenzene	5	**42.4**	**64.1**
o-Xylene	5	**10.2**	**21.2**
p-Isopropyltoluene	5	**8.1**	**16.3 J**
sec-Butylbenzene	5	**9.4**	**19.1 J**
Styrene	5	2.50 U	10.0 U
tert-Butylbenzene	5	2.50 U	10.0 UJ
Tetrachloroethene	5	2.50 U	10.0 U
Toluene	5	15.9 U	**20.1**
trans-1,2-Dichloroethene	5	2.50 U	10.0 U
trans-1,3-Dichloropropene	0.4	2.50 U	10.0 U
Trichloroethene	5	2.50 U	10.0 U
Trichlorofluoromethane	5	5.00 U	20.0 U
Vinyl acetate	NC	25.0 U	50.0 UJ
Vinyl chloride	2	2.50 U	10.0 U
Xylenes, Total	NC	**550**	**615**

Notes:
NC = no criteria
J = estimated value
U = not detected; reported to limit of detection
UJ = The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria
µg/L = micrograms per liter
Bold analytical results indicate detection
Red analytical results exceed NYSDEC AWQ S/GV
NYSDEC AWQ S/GV = New York State Department of Environmental Conservation, Division of Water Technical and Operational Guidance Series (TOGS) (1.1.1), Table 1 New York State Ambient Water Quality Standards and Guidance Values (June 1998); Addendum to June 1998 Division of Water Technical and Operational Guidance Series (TOGS) No. 1.1.1 (April 2000)

Appendix B-2 SS067 (Building 789) - 789MW-135
Analytical Summary Table - Results (2022)
Griffiss Air Force Base, New York

Location ID:		**WL-789MW-135**	
Field Sample ID:		**WL-789MW-135-0822**	**WL-789MW-135-1022**
Sample Date:		**8/31/2022**	**10/25/2022**
Sample Type:		**Normal**	**Normal**
Analyte	**NYSDEC AWQ S/GV**	**2022 Quarter 3 (µg/L)**	**2022 Quarter 4 (µg/L)**
1,1,1,2-Tetrachloroethane	5	0.500 U	0.500 U
1,1,1-Trichloroethane	5	0.500 U	0.500 U
1,1,2,2-Tetrachloroethane	5	0.500 U	0.500 U
1,1,2-Trichloroethane	1	0.500 U	0.500 U
1,1-Dichloroethane	5	0.500 U	0.500 U
1,1-Dichloroethene	5	0.500 U	0.500 U
1,1-Dichloropropene	5	0.500 U	0.500 U
1,2,3-Trichlorobenzene	5	1.00 U	1.00 U
1,2,3-Trichloropropane	0.04	1.00 U	1.00 U
1,2,4-Trichlorobenzene	5	1.00 U	1.00 U
1,2,4-Trimethylbenzene	5	0.500 U	0.500 U
1,2-Dibromo-3-chloropropane	0.04	2.00 U	2.00 U
1,2-Dibromoethane	0.0006	1.00 U	1.00 U
1,2-Dichlorobenzene	3	0.500 U	0.500 U
1,2-Dichloroethane	0.6	0.500 U	0.500 U
1,2-Dichloroethene	NC	1.00 U	1.00 U
1,2-Dichloropropane	1	0.500 U	0.500 U
1,3,5-Trimethylbenzene	5	0.500 U	0.500 U
1,3-Dichlorobenzene	3	0.500 U	0.500 U
1,3-Dichloropropane	5	0.500 U	0.500 U
1,4-Dichlorobenzene	3	0.500 U	0.500 U
2,2-Dichloropropane	5	0.500 U	0.500 U
2-Butanone	50	3.50 U	3.50 U
2-Chlorotoluene	5	0.500 U	0.500 U
2-Hexanone	50	5.00 U	5.00 U
4-Chlorotoluene	5	0.500 U	0.500 U
4-Methyl-2-pentanone	NC	2.00 U	2.00 U
Acetone	50	20.0 U	20.0 U
Benzene	1	0.500 U	0.500 U
Bromobenzene	5	0.500 U	0.500 U
Bromochloromethane	5	0.500 U	0.500 U
Bromodichloromethane	50	0.500 U	0.500 U
Bromoform	50	0.500 U	0.500 U
Bromomethane	5	4.00 U	4.00 U
Carbon disulfide	60	1.00 U	1.00 U
Carbon Tetrachloride	5	0.500 U	0.500 U
Chlorobenzene	5	0.500 U	0.500 U
Chloroethane	5	1.00 U	1.00 U
Chloroform	7	0.500 U	0.500 U
Chloromethane	5	1.00 U	1.00 U
cis-1,2-Dichloroethene	5	0.500 U	0.500 U
cis-1,3-Dichloropropene	0.4	0.500 U	0.500 U
Isopropylbenzene	5	0.500 U	0.500 U
Dibromochloromethane	50	0.500 U	0.500 U
Dibromomethane	5	0.500 U	0.500 U
Dichlorodifluoromethane	5	1.00 U	1.00 U
Ethylbenzene	5	0.500 U	0.500 U
Hexachlorobutadiene	0.5	1.00 U	1.00 U
m,p-Xylene	5	1.00 U	1.00 U
Methyl tert-butyl ether	10	0.500 U	0.500 U
Methylene chloride	5	4.00 U	4.00 U
Naphthalene	10	2.00 U	2.00 U
n-Butylbenzene	5	0.500 U	0.500 U
n-Propylbenzene	5	0.500 U	0.500 U
o-Xylene	5	0.500 U	0.500 U
p-Isopropyltoluene	5	0.500 U	0.500 U
sec-Butylbenzene	5	0.500 U	0.500 U
Styrene	5	0.500 U	0.500 U
tert-Butylbenzene	5	0.500 U	0.500 U
Tetrachloroethene	5	0.500 U	0.500 U
Toluene	5	0.500 U	0.500 U
trans-1,2-Dichloroethene	5	0.500 U	0.500 U
trans-1,3-Dichloropropene	0.4	0.500 U	0.500 U
Trichloroethene	5	0.500 U	0.500 U
Trichlorofluoromethane	5	1.00 U	1.00 U
Vinyl acetate	NC	5.00 U	5.00 U
Vinyl chloride	2	0.500 U	0.500 U
Xylenes, Total	NC	1.50 U	1.50 U

Notes:
NC = no criteria
J = estimated value
U = not detected; reported to limit of detection
UJ = The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria
µg/L = micrograms per liter
Bold analytical results indicate detection
Red analytical results exceed NYSDEC AWQ S/GV
NYSDEC AWQ S/GV = New York State Department of Environmental Conservation, Division of Water Technical and Operational Guidance Series (TOGS) (1.1.1), Table 1 New York State Ambient Water Quality Standards and Guidance Values (June 1998); Addendum to June 1998 Division of Water Technical and Operational Guidance Series (TOGS) No. 1.1.1 (April 2000)

Appendix B-2 SS067 (Building 789) - 789MW-216
Analytical Summary Table - Results (2022)
Griffiss Air Force Base, New York

Location ID:		WL-789MW-216				
Field Sample ID:		789MW-216_0322	WL-789MW-216-0622	WL-789MW-216-0822	WL-789MW-216-0822-A	WL-789MW-216-1022
Sample Date:		3/24/2022	6/22/2022	8/31/2022	8/31/2022	10/25/2022
Sample Type:		Normal	Normal	Normal	Field Duplicate	Normal
Analyte	NYSDEC AWQ S/GV	2022 Quarter 1 (µg/L)	2022 Quarter 2 (µg/L)	2022 Quarter 3 (µg/L)	2022 Quarter 4 (µg/L)	
1,1,1,2-Tetrachloroethane	5	0.500 U	0.500 U	0.500 U	0.500 U	0.500 UJ
1,1,1-Trichloroethane	5	0.500 U	0.500 U	0.500 U	0.500 U	0.500 UJ
1,1,2,2-Tetrachloroethane	5	0.500 U	0.500 U	0.500 U	0.500 U	0.500 UJ
1,1,2-Trichloroethane	1	0.500 U	0.500 U	0.500 U	0.500 U	0.500 UJ
1,1-Dichloroethane	5	0.500 U	0.500 U	0.500 U	0.500 U	0.500 UJ
1,1-Dichloroethene	5	0.500 U	0.500 U	0.500 U	0.500 U	0.500 UJ
1,1-Dichloropropene	5	0.500 U	0.500 U	0.500 U	0.500 U	0.500 UJ
1,2,3-Trichlorobenzene	5	1.00 U	1.00 U	1.00 U	1.00 U	1.00 UJ
1,2,3-Trichloropropane	0.04	1.00 U	1.00 U	1.00 U	1.00 U	1.00 UJ
1,2,4-Trichlorobenzene	5	1.00 U	1.00 U	1.00 U	1.00 U	1.00 UJ
1,2,4-Trimethylbenzene	5	0.500 U	0.500 U	0.500 U	0.500 U	**0.600 J**
1,2-Dibromo-3-chloropropane	0.04	2.00 U	2.00 U	2.00 U	2.00 U	2.00 UJ
1,2-Dibromoethane	0.0006	1.00 U	1.00 U	1.00 U	1.00 U	1.00 UJ
1,2-Dichlorobenzene	3	0.500 U	0.500 U	0.500 U	0.500 U	0.500 UJ
1,2-Dichloroethane	0.6	0.500 U	0.500 U	0.500 U	0.500 U	0.500 UJ
1,2-Dichloroethene	NC	1.00 U	1.00 U	1.00 U	1.00 U	1.00 UJ
1,2-Dichloropropane	1	0.500 U	0.500 U	0.500 U	0.500 U	0.500 UJ
1,3,5-Trimethylbenzene	5	0.500 U	0.500 U	0.500 U	0.500 U	0.500 UJ
1,3-Dichlorobenzene	3	0.500 U	0.500 U	0.500 U	0.500 U	0.500 UJ
1,3-Dichloropropane	5	0.500 U	0.500 U	0.500 U	0.500 U	0.500 UJ
1,4-Dichlorobenzene	3	0.500 U	0.500 U	0.500 U	0.500 U	0.500 UJ
2,2-Dichloropropane	5	0.500 U	0.500 U	0.500 U	0.500 U	0.500 UJ
2-Butanone	50	3.50 U	3.50 U	3.50 U	3.50 U	3.50 UJ
2-Chlorotoluene	5	0.500 U	0.500 U	0.500 U	0.500 U	0.500 UJ
2-Hexanone	50	5.00 U	5.00 U	5.00 U	5.00 U	5.00 UJ
4-Chlorotoluene	5	0.500 U	0.500 U	0.500 U	0.500 U	0.500 UJ
4-Methyl-2-pentanone	NC	2.00 U	2.00 U	2.00 U	2.00 U	2.00 UJ
Acetone	50	20.0 U	20.0 U	20.0 U	20.0 U	20.0 UJ
Benzene	1	0.500 U	0.500 U	0.500 U	0.500 U	0.500 UJ
Bromobenzene	5	0.500 U	0.500 U	0.500 U	0.500 U	0.500 UJ
Bromochloromethane	5	0.500 U	0.500 U	0.500 U	0.500 U	0.500 UJ
Bromodichloromethane	50	0.500 U	0.500 U	0.500 U	0.500 U	0.500 UJ
Bromoform	50	0.500 U	0.500 U	0.500 U	0.500 U	0.500 UJ
Bromomethane	5	4.00 U	4.00 U	4.00 U	4.00 U	4.00 UJ
Carbon disulfide	60	1.00 U	**1.20 J**	1.00 U	1.00 U	1.00 UJ
Carbon Tetrachloride	5	0.500 U	0.500 U	0.500 U	0.500 U	0.500 UJ
Chlorobenzene	5	0.500 U	0.500 U	0.500 U	0.500 U	0.500 UJ
Chloroethane	5	1.00 U	1.00 U	1.00 U	1.00 U	1.00 UJ
Chloroform	7	0.500 U	0.500 U	0.500 U	0.500 U	0.500 UJ
Chloromethane	5	1.00 U	1.00 U	1.00 U	1.00 U	1.00 UJ
cis-1,2-Dichloroethene	5	0.500 U	0.500 U	0.500 U	0.500 U	0.500 UJ
cis-1,3-Dichloropropene	0.4	0.500 U	0.500 U	0.500 U	0.500 U	0.500 UJ
Isopropylbenzene	5	0.500 U	0.500 U	0.500 U	0.500 U	0.500 UJ
Dibromochloromethane	50	0.500 U	0.500 U	0.500 U	0.500 U	0.500 UJ
Dibromomethane	5	0.500 U	0.500 U	0.500 U	0.500 U	0.500 UJ
Dichlorodifluoromethane	5	1.00 U	1.00 U	1.00 U	1.00 U	1.00 UJ
Ethylbenzene	5	0.500 U	0.500 U	0.500 U	0.500 U	0.500 UJ
Hexachlorobutadiene	0.5	1.00 U	1.00 U	1.00 U	1.00 U	1.00 UJ
m,p-Xylene	5	1.00 U	1.00 U	1.00 U	1.00 U	1.00 UJ
Methyl tert-butyl ether	10	0.500 U	0.500 U	0.500 U	0.500 U	0.500 UJ
Methylene chloride	5	4.00 U	4.00 U	4.00 U	4.00 U	4.00 UJ
Naphthalene	10	**2.60 J**	**1.10 J**	**1.90 J**	**1.80 J**	2.00 UJ
n-Butylbenzene	5	0.500 U	0.500 U	0.500 U	0.500 U	0.500 UJ
n-Propylbenzene	5	**0.310 J**	0.500 U	0.500 U	0.500 U	0.500 UJ
o-Xylene	5	0.500 U	0.500 U	0.500 U	0.500 U	0.500 UJ
p-Isopropyltoluene	5	0.500 U	0.500 U	0.500 U	0.500 U	0.500 UJ
sec-Butylbenzene	5	**0.360 J**	0.500 U	**0.400 J**	**0.350 J**	0.500 UJ
Styrene	5	0.500 U	0.500 U	0.500 U	0.500 U	0.500 UJ
tert-Butylbenzene	5	0.500 U	0.500 U	0.500 U	0.500 U	0.500 UJ
Tetrachloroethene	5	0.500 U	0.500 U	0.500 U	0.500 U	0.500 UJ
Toluene	5	0.500 U	0.500 U	0.500 U	0.500 U	0.500 UJ
trans-1,2-Dichloroethene	5	0.500 U	0.500 U	0.500 U	0.500 U	0.500 UJ
trans-1,3-Dichloropropene	0.4	0.500 U	0.500 U	0.500 U	0.500 U	0.500 UJ
Trichloroethene	5	0.500 U	0.500 U	0.500 U	0.500 U	0.500 UJ
Trichlorofluoromethane	5	1.00 U	1.00 U	1.00 U	1.00 U	1.00 UJ
Vinyl acetate	NC	5.00 U	5.00 U	5.00 U	5.00 U	5.00 UJ
Vinyl chloride	2	0.500 U	0.500 U	0.500 U	0.500 U	0.500 UJ
Xylenes, Total	NC	1.50 U	1.50 U	1.50 U	1.50 U	1.50 UJ

Notes:
NC = no criteria
J = estimated value
U = not detected; reported to limit of detection
UJ = The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria
µg/L = micrograms per liter
Bold analytical results indicate detection
Red analytical results exceed NYSDEC AWQ S/GV
NYSDEC AWQ S/GV = New York State Department of Environmental Conservation, Division of Water Technical and Operational Guidance Series (TOGS) (1.1.1), Table 1 New York State Ambient Water Quality Standards and Guidance Values (June 1998); Addendum to June 1998 Division of Water Technical and Operational Guidance Series (TOGS) No. 1.1.1 (April 2000)

Appendix B-2 SS067 (Building 789) - 789MW-222
Analytical Summary Table - Results (2022)
Griffiss Air Force Base, New York

Location ID:		WL-789MW-222			
Field Sample ID:		789MW-222_0322	WL-789MW-222-0622	WL-789MW-222-0822	WL-789MW-222-1022
Sample Date:		3/24/2022	6/22/2022	8/31/2022	10/25/2022
Sample Type:		Normal	Normal	Normal	Normal
Analyte	NYSDEC AWQ S/GV	2022 Quarter 1 (µg/L)	2022 Quarter 2 (µg/L)	2022 Quarter 3 (µg/L)	2022 Quarter 4 (µg/L)
1,1,1,2-Tetrachloroethane	5	0.500 U	0.500 U	0.500 U	0.500 U
1,1,1-Trichloroethane	5	0.500 U	0.500 U	0.500 U	0.500 U
1,1,2,2-Tetrachloroethane	5	0.500 U	0.500 U	0.500 U	0.500 U
1,1,2-Trichloroethane	1	0.500 U	0.500 U	0.500 U	0.500 U
1,1-Dichloroethane	5	0.500 U	0.500 U	0.500 U	0.500 U
1,1-Dichloroethene	5	0.500 U	0.500 U	0.500 U	0.500 U
1,1-Dichloropropene	5	0.500 U	0.500 U	0.500 U	0.500 U
1,2,3-Trichlorobenzene	5	1.00 U	1.00 U	1.00 U	1.00 U
1,2,3-Trichloropropane	0.04	1.00 U	1.00 U	1.00 U	1.00 U
1,2,4-Trichlorobenzene	5	1.00 U	1.00 U	1.00 U	1.00 U
1,2,4-Trimethylbenzene	5	0.500 U	0.500 U	0.500 U	0.500 U
1,2-Dibromo-3-chloropropane	0.04	2.00 U	2.00 U	2.00 U	2.00 U
1,2-Dibromoethane	0.0006	1.00 U	1.00 U	1.00 U	1.00 U
1,2-Dichlorobenzene	3	0.500 U	0.500 U	0.500 U	0.500 U
1,2-Dichloroethane	0.6	0.500 U	0.500 U	0.500 U	0.500 U
1,2-Dichloroethene	NC	1.00 U	1.00 U	1.00 U	1.00 U
1,2-Dichloropropane	1	0.500 U	0.500 U	0.500 U	0.500 U
1,3,5-Trimethylbenzene	5	0.500 U	0.500 U	0.500 U	0.500 U
1,3-Dichlorobenzene	3	0.500 U	0.500 U	0.500 U	0.500 U
1,3-Dichloropropane	5	0.500 U	0.500 U	0.500 U	0.500 U
1,4-Dichlorobenzene	3	0.500 U	0.500 U	0.500 U	0.500 U
2,2-Dichloropropane	5	0.500 U	0.500 U	0.500 U	0.500 U
2-Butanone	50	3.50 U	3.50 U	3.50 U	3.50 U
2-Chlorotoluene	5	0.500 U	0.500 U	0.500 U	0.500 U
2-Hexanone	50	5.00 U	5.00 U	5.00 U	5.00 U
4-Chlorotoluene	5	0.500 U	0.500 U	0.500 U	0.500 U
4-Methyl-2-pentanone	NC	2.00 U	2.00 U	2.00 U	2.00 U
Acetone	50	20.0 U	20.0 U	20.0 U	20.0 U
Benzene	1	0.500 U	0.500 U	0.500 U	0.500 U
Bromobenzene	5	0.500 U	0.500 U	0.500 U	0.500 U
Bromochloromethane	5	0.500 U	0.500 U	0.500 U	0.500 U
Bromodichloromethane	50	0.500 U	0.500 U	0.500 U	0.500 U
Bromoform	50	0.500 U	0.500 U	0.500 U	0.500 U
Bromomethane	5	4.00 U	4.00 U	4.00 U	4.00 U
Carbon disulfide	60	1.00 U	1.00 U	1.00 U	1.00 U
Carbon Tetrachloride	5	0.500 U	0.500 U	0.500 U	0.500 U
Chlorobenzene	5	0.500 U	0.500 U	0.500 U	0.500 U
Chloroethane	5	1.00 U	1.00 U	1.00 U	1.00 U
Chloroform	7	0.500 U	0.500 U	0.500 U	0.500 U
Chloromethane	5	1.00 U	1.00 U	**0.520 J**	1.00 U
cis-1,2-Dichloroethene	5	0.500 U	0.500 U	0.500 U	0.500 U
cis-1,3-Dichloropropene	0.4	0.500 U	0.500 U	0.500 U	0.500 U
Isopropylbenzene	5	0.500 U	0.500 U	0.500 U	0.500 U
Dibromochloromethane	50	0.500 U	0.500 U	0.500 U	0.500 U
Dibromomethane	5	0.500 U	0.500 U	0.500 U	0.500 U
Dichlorodifluoromethane	5	1.00 U	1.00 U	1.00 U	1.00 U
Ethylbenzene	5	0.500 U	0.500 U	0.500 U	0.500 U
Hexachlorobutadiene	0.5	1.00 U	1.00 U	1.00 U	1.00 U
m,p-Xylene	5	1.00 U	1.00 U	1.00 U	1.00 U
Methyl tert-butyl ether	10	0.500 U	0.500 U	0.500 U	0.500 U
Methylene chloride	5	4.00 U	4.00 U	4.00 U	4.00 U
Naphthalene	10	2.00 U	2.00 U	2.00 U	2.00 U
n-Butylbenzene	5	0.500 U	0.500 U	0.500 U	0.500 U
n-Propylbenzene	5	0.500 U	0.500 U	0.500 U	0.500 U
o-Xylene	5	0.500 U	0.500 U	0.500 U	0.500 U
p-Isopropyltoluene	5	0.500 U	0.500 U	0.500 U	0.500 U
sec-Butylbenzene	5	0.500 U	0.500 U	0.500 U	0.500 U
Styrene	5	0.500 U	0.500 U	0.500 U	0.500 U
tert-Butylbenzene	5	0.500 U	0.500 U	0.500 U	0.500 U
Tetrachloroethene	5	0.500 U	0.500 U	0.500 U	0.500 U
Toluene	5	0.500 U	0.500 U	0.500 U	0.500 U
trans-1,2-Dichloroethene	5	0.500 U	0.500 U	0.500 U	0.500 U
trans-1,3-Dichloropropene	0.4	0.500 U	0.500 U	0.500 U	0.500 U
Trichloroethene	5	0.500 U	0.500 U	0.500 U	0.500 U
Trichlorofluoromethane	5	1.00 U	1.00 U	1.00 U	1.00 U
Vinyl acetate	NC	5.00 U	5.00 U	5.00 U	5.00 U
Vinyl chloride	2	0.500 U	0.500 U	0.500 U	0.500 U
Xylenes, Total	NC	1.50 U	1.50 U	1.50 U	1.50 U

Notes:
NC = no criteria
J = estimated value
U = not detected; reported to limit of detection
UJ = The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria
µg/L = micrograms per liter
Bold analytical results indicate detection
Red analytical results exceed NYSDEC AWQ S/GV
NYSDEC AWQ S/GV = New York State Department of Environmental Conservation, Division of Water Technical and Operational Guidance Series (TOGS) (1.1.1), Table 1 New York State Ambient Water Quality Standards and Guidance Values (June 1998); Addendum to June 1998 Division of Water Technical and Operational Guidance Series (TOGS) No. 1.1.1 (April 2000)

Appendix B-2 SS067 (Building 789) - 789MW-251
Analytical Summary Table - Results (2022)
Griffiss Air Force Base, New York

Location ID:		**WL-789MW-251**			
Field Sample ID:		**789MW-251_0322**	**WL-789MW-251-0622**	**WL-789MW-251-0822**	**WL-789MW-251-1022**
Sample Date:		**3/24/2022**	**6/22/2022**	**8/31/2022**	**10/24/2022**
Sample Type:		**Normal**	**Normal**	**Normal**	**Normal**
Analyte	**NYSDEC AWQ S/GV**	**2022 Quarter 1 (µg/L)**	**2022 Quarter 2 (µg/L)**	**2022 Quarter 3 (µg/L)**	**2022 Quarter 4 (µg/L)**
1,1,1,2-Tetrachloroethane	5	0.500 U	0.500 U	0.500 U	0.500 U
1,1,1-Trichloroethane	5	0.500 U	0.500 U	0.500 U	0.500 U
1,1,2,2-Tetrachloroethane	5	0.500 U	0.500 U	0.500 U	0.500 U
1,1,2-Trichloroethane	1	0.500 U	0.500 U	0.500 U	0.500 U
1,1-Dichloroethane	5	0.500 U	0.500 U	0.500 U	0.500 U
1,1-Dichloroethene	5	0.500 U	0.500 U	0.500 U	0.500 U
1,1-Dichloropropene	5	0.500 U	0.500 U	0.500 U	0.500 U
1,2,3-Trichlorobenzene	5	1.00 U	1.00 U	1.00 U	1.00 U
1,2,3-Trichloropropane	0.04	1.00 U	1.00 U	1.00 U	1.00 U
1,2,4-Trichlorobenzene	5	1.00 U	1.00 U	1.00 U	1.00 U
1,2,4-Trimethylbenzene	5	0.500 U	**1.6**	0.500 U	**1.2**
1,2-Dibromo-3-chloropropane	0.04	2.00 U	2.00 U	2.00 U	2.00 U
1,2-Dibromoethane	0.0006	1.00 U	1.00 U	1.00 U	1.00 U
1,2-Dichlorobenzene	3	0.500 U	0.500 U	0.500 U	0.500 U
1,2-Dichloroethane	0.6	0.500 U	0.500 U	0.500 U	0.500 U
1,2-Dichloroethene	NC	1.00 U	1.00 U	1.00 U	1.00 U
1,2-Dichloropropane	1	0.500 U	0.500 U	0.500 U	0.500 U
1,3,5-Trimethylbenzene	5	0.500 U	**0.600 J**	0.500 U	0.500 U
1,3-Dichlorobenzene	3	0.500 U	0.500 U	0.500 U	0.500 U
1,3-Dichloropropane	5	0.500 U	0.500 U	0.500 U	0.500 U
1,4-Dichlorobenzene	3	0.500 U	0.500 U	0.500 U	0.500 U
2,2-Dichloropropane	5	0.500 U	0.500 U	0.500 U	0.500 U
2-Butanone	50	3.50 U	**13.1**	**8.6**	3.50 U
2-Chlorotoluene	5	0.500 U	0.500 U	0.500 U	0.500 U
2-Hexanone	50	5.00 U	**4.30 J**	5.00 U	5.00 U
4-Chlorotoluene	5	0.500 U	0.500 U	0.500 U	0.500 U
4-Methyl-2-pentanone	NC	2.00 U	**2.00 J**	2.00 U	2.00 U
Acetone	50	20.0 U	**18.5 J**	**88.2**	20.0 U
Benzene	1	0.500 U	**0.700 J**	**0.860 J**	0.500 U
Bromobenzene	5	0.500 U	0.500 U	0.500 U	0.500 U
Bromochloromethane	5	0.500 U	0.500 U	0.500 U	0.500 U
Bromodichloromethane	50	0.500 U	0.500 U	0.500 U	0.500 U
Bromoform	50	0.500 U	0.500 U	0.500 U	0.500 U
Bromomethane	5	4.00 U	4.00 U	4.00 U	4.00 U
Carbon disulfide	60	1.00 U	1.00 U	1.00 U	1.00 U
Carbon Tetrachloride	5	0.500 U	0.500 U	0.500 U	0.500 U
Chlorobenzene	5	0.500 U	0.500 U	0.500 U	0.500 U
Chloroethane	5	1.00 U	1.00 U	1.00 U	1.00 UJ
Chloroform	7	0.500 U	0.500 U	0.500 U	0.500 U
Chloromethane	5	1.00 U	1.00 U	1.00 U	1.00 U
cis-1,2-Dichloroethene	5	0.500 U	0.500 U	0.500 U	0.500 U
cis-1,3-Dichloropropene	0.4	0.500 U	0.500 U	0.500 U	0.500 U
Isopropylbenzene	5	0.500 U	0.500 U	0.500 U	0.500 U
Dibromochloromethane	50	0.500 U	0.500 U	0.500 U	0.500 U
Dibromomethane	5	0.500 U	0.500 U	0.500 U	0.500 U
Dichlorodifluoromethane	5	1.00 U	1.00 U	1.00 U	1.00 U
Ethylbenzene	5	0.500 U	0.500 U	**0.440 J**	0.500 U
Hexachlorobutadiene	0.5	1.00 U	1.00 U	1.00 U	1.00 U
m,p-Xylene	5	1.00 U	**0.740 J**	**0.920 J**	**2.7**
Methyl tert-butyl ether	10	0.500 U	0.500 U	0.500 U	0.500 U
Methylene chloride	5	4.00 U	4.00 U	4.00 U	4.00 U
Naphthalene	10	2.00 U	2.00 U	2.00 U	2.00 U
n-Butylbenzene	5	0.500 U	0.500 U	0.500 U	0.500 U
n-Propylbenzene	5	0.500 U	0.500 U	0.500 U	0.500 U
o-Xylene	5	0.500 U	**0.440 J**	**0.820 J**	**2.2**
p-Isopropyltoluene	5	0.500 U	0.500 U	0.500 U	0.500 U
sec-Butylbenzene	5	0.500 U	0.500 U	0.500 U	0.500 U
Styrene	5	0.500 U	0.500 U	0.500 U	0.500 U
tert-Butylbenzene	5	0.500 U	0.500 U	0.500 U	0.500 U
Tetrachloroethene	5	0.500 U	0.500 U	0.500 U	0.500 U
Toluene	5	1.00 U	0.500 U	0.500 U	0.500 U
trans-1,2-Dichloroethene	5	0.500 U	0.500 U	0.500 U	0.500 U
trans-1,3-Dichloropropene	0.4	0.500 U	0.500 U	0.500 U	0.500 U
Trichloroethene	5	0.500 U	0.500 U	0.500 U	0.500 U
Trichlorofluoromethane	5	1.00 U	1.00 U	1.00 U	1.00 U
Vinyl acetate	NC	5.00 U	5.00 U	5.00 U	5.00 UJ
Vinyl chloride	2	0.500 U	0.500 U	0.500 U	0.500 U
Xylenes, Total	NC	1.50 U	**1.20 J**	**1.70 J**	**4.9**

Notes:
NC = no criteria
J = estimated value
U = not detected; reported to limit of detection
UJ = The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria
µg/L = micrograms per liter
Bold analytical results indicate detection
Red analytical results exceed NYSDEC AWQ S/GV
NYSDEC AWQ S/GV = New York State Department of Environmental Conservation, Division of Water Technical and Operational Guidance Series (TOGS) (1.1.1), Table 1 New York State Ambient Water Quality Standards and Guidance Values (June 1998); Addendum to June 1998 Division of Water Technical and Operational Guidance Series (TOGS) No. 1.1.1 (April 2000)

Appendix B-3
Table 3-4 Site SS067 Select Historical Groundwater Sampling Results (2002 - 2021)

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Note: Data presented as in Final 2021 Annual Monitoring Report for Petroleum Spill Sites, Former Griffiss Air Force Base (Bhate, June 2023)

Table 3-4
Site SS067 Select Historical Groundwater Sampling Results (2002 - 2021)
Petroleum Spill Sites
Former Griffiss Air Force Base, Rome, New York

Sample Location	NYS AWQ S/GV (µg/L)	789MW-46R												
Date of Collection		7/10/02	10/3/02	12/11/02	4/8/03	7/2/03	9/23/03	12/22/03	4/8/04	7/7/04	9/24/04	1/3/05	4/7/05	6/23/05
VOCs														
1,2,4-Trimethylbenzene	5*	240	Free Product 0.26 ft	Free Product 2.39 ft	Free Product	Free Product 1.25 ft	Free Product	Free Product 2.13 ft	Free Product 2.14 ft	Free Product 1.76 ft	Free Product 1.65 ft	Free Product 1.33 ft	Free Product 1.21 ft	Free Product 1.15 ft
1,3,5-Trimethylbenzene	5*	100												
Benzene	1	65												
Ethylbenzene	5*	81												
Isopropylbenzene	5*	22												
tert-Butyl Methyl Ether	10	U												
n-Butylbenzene	5*	U												
n-Propylbenzene	5*	52												
m,p-Xylene (Sum of Isomers)	5*	220												
Naphthalene	10	55												
o-Xylene	5*	66												
p-Isopropyltoluene	5*	13												
sec-Butylbenzene	5*	17												
tert-Butylbenzene	5*	2.2												
Toluene	5*	49												
Total VOCs		982.2												

Sample Location	NYS AWQ S/GV (µg/L)		789MW-46R											
Date of Collection			9/27/05	1/3/06	3/22/06	6/21/06	9/20/06	12/19/06	4/11/07	6/18/07	9/18/07	12/5/07	3/24/08	6/10/08
VOCs														
1,2,4-Trimethylbenzene	5*		Free Product 1.45 ft	Free Product 1.19 ft	Free Product 1.15 ft	68	130	143	549	10.1	36.2	1.87	44.4	17.9
1,3,5-Trimethylbenzene	5*					23	33.7	34.5	159	9.4	6.73	1.2	11.9	3.5 F
Benzene	1					4.9	15.7	16.8	13.3	2.56	4.23	U	12.1	2.7 F
Ethylbenzene	5*					12	101	105	161	4.06	24.4	U	25.3	13
Isopropylbenzene	5*					1.3	6.90 F	9.15	32.8	U	2.62	U	3.25 F	U
tert-Butyl Methyl Ether	10					U	U	U	U	0.49 F	U	U	U	U
n-Butylbenzene	5*					1.9	8.10 F	3.75 F	51.8	U	2.55	5.91	7.05	U
n-Propylbenzene	5*					2.2	15.4	18	82.6	1.03	4.75	0.13 F	7.05	3.1 F
m,p-Xylene (Sum of Isomers)	5*					34	318	302	499	9.06	68.5	U	65.4	35.7
Naphthalene	10					7.6	67.2	5	136	3.04 F	13.2	U	12.1	6 F
o-Xylene	5*					1.6	4.30 F	3.85 F	108	0.7 F	4.53	U	9.4	10.7
p-Isopropyltoluene	5*					6.4	8.10 F	3.15 F	17.2	2	1.43 F	2.69	4.35 F	U
sec-Butylbenzene	5*					2.1	5 F	3.65 F	19.7	1.15	1.20 F	1.35	3.5 F	U
tert-Butylbenzene	5*					0.67	U	U	U	U	U	0.25 F	U	U
Toluene	5*					1.8	11.1	7.7	20.6	0.45 F	2.5	U	4.25 F	U
Total VOCs						167.47	724.5	655.55	1,850.0	44.04	172.84	13.4	210.05	92.6

Sample Location	NYS AWQ S/GV (µg/L)	789MW-46R											
Date of Collection		9/9/08	12/16/08	3/23/09	6/23/09	9/8/09	12/3/09	4/6/10	6/15/10	9/22/10	12/7/10	4/26/11	7/25/11	11/7/11
VOCs														
1,2,4-Trimethylbenzene	5*	0.23 F	0.33 F	18.6	297	202	22.2 ♦	71.8	0.85 F	40.3	71.2 M	Free Product 0.24 ft	Free Product 0.06 ft	Free Product 0.03 ft
1,3,5-Trimethylbenzene	5*	U	0.16 F	3.44	74.8	57.8	5.58 ♦	23.2	0.35 F	10.4	27.1 M			
Benzene	1	0.35 F	3.24	3.44	243	194	7.67 M	4.59	U	5.1	169 M			
Ethylbenzene	5*	0.2 F	1.39	4.72	264	158	11.0 ♦	37	U	21.1	156 M			
Isopropylbenzene	5*	U	0.12 F	1.53	25.4	18.2 F	2.15 ♦	7.22	U	3.6	16.3 M			
tert-Butyl Methyl Ether	10	U	U	U	U	U	U	U	U	U	U			
n-Butylbenzene	5*	0.66 F	0.58 F	0.74 F	8.8	6.4 F	0.82 ♦	2.14	0.55 F	1.03 F	3.1			
n-Propylbenzene	5*	U	0.18 F	2.58	46.8	37.8	3.82 ♦	13.2	U	7.55	27.3 M			
m,p-Xylene (Sum of Isomers)	5*	0.33 F	3.05	21	923	485	21.5 ♦	61.8	U	28.7	477 M			
Naphthalene	10	U	U	6.78	21.6	11.4 F	5.29 ♦	19.7	U	8.58	11			
o-Xylene	5*	U	0.29 F	2.89	107	53	2.28 ♦	4.2	U	1.38 F	77.8 M			
p-Isopropyltoluene	5*	0.37 F	0.24 F	0.31 F	6.5	4.2 F	0.59 F♦	1.91	U	0.875 F	2.3 F			
sec-Butylbenzene	5*	0.26 F	U	0.66 F	6.55	6 F	0.88 F♦	2.36	U	1.28 F	3.63			
tert-Butylbenzene	5*	U	U	0.17 F	2 F	U	0.15 F♦	0.410 F	U	U	0.55 F			
Toluene	5*	0.11 F	0.81 F	0.78 F	41	19.4 F	0.81 F	1.04	U	0.4 F	22.8 M			
Total VOCs		2.51	10.39	67.64	2,067.45	1,253.20	84.74	250.57	1.75	130.30	1,065.08			

Sample Location	NYS AWQ S/GV (µg/L)	789MW-46R												
Date of Collection		1/10/12	4/19/12	7/11/12	10/11/12	1/16/13	4/24/13	7/18/13	10/17/13	1/30/14	4/22/14	7/24/14	10/14/14	3/19/15
VOCs														
1,2,4-Trimethylbenzene	5*	Free Product 0.04 ft	Free Product 0.03 ft	Free Product 0.03 ft	Free Product 0.02 ft	Free Product 0.01 ft	34	7.7	58	50 J	110 J	48	73	110
1,3,5-Trimethylbenzene	5*						11	2.5	24	17	35	16	26	47
Benzene	1						3.0	U	3.4	12 J	5	2.0	1.7	2.1
Ethylbenzene	5*						17	2.2	22	31 J	41	19	28	43
Isopropylbenzene	5*						3.4	U	7.0	5.2 J	9.3	4.4	7.8	11
tert-Butyl Methyl Ether	10						U	U	U	U	U	U	U	U
n-Butylbenzene	5*						1.9	U	3.9	3.2 J	4.8	2.4	3.9	5.5
n-Propylbenzene	5*						6.7	1.8	14	UJ	18	9.2	15	21
m,p-Xylene (Sum of Isomers)	5*						36	5.0	47	72	110 J	46	55	91
Naphthalene	10						9.5	3.1	19	15	24	10	17	21
o-Xylene	5*						1.2	U	1.6	2.0 J	3.4	1.5	2	3.5 J
p-Isopropyltoluene	5*						1.2	U	2.5	1.5 J	2.8	1.5	2.6	3
sec-Butylbenzene	5*						U	U	U	2.4	U	2.3	4	U
tert-Butylbenzene	5*						U	U	U	U	U	U	U	U
Toluene	5*						0.67 J	U	2.4	2.4 J	2.3	0.78 J	0.90 J	1.1
Total VOCs							125.57	22.3	204.8	213.7	365.6	163.08	236.9	359.2

Table 3-4
Site SS067 Select Historical Groundwater Sampling Results (2002 - 2021)
Petroleum Spill Sites
Former Griffiss Air Force Base, Rome, New York

Sample Location	NYS AWQ	789MW-46R											
Date of Collection	S/GV	7/6/15	8/25/15	12/2/15	1/27/16	6/29/16	11/3/2016	3/29/17	6/29/17	3/28/18	7/24/18	9/19/18	4/04/19	8/27/19
VOCs	(µg/L)													
1,2,4-Trimethylbenzene	5*	110	63	110	75	190	150	0.95 J	0.21 J	U	0.18 J	U	0.35 J	U
1,3,5-Trimethylbenzene	5*	45	20	53	46	75	76	U	0.34 J	U	U	U	U	U
Benzene	1	1.6	1.6	3.1	19	6	0.45 J	U	U	0.16 J	U	U	U	U
Ethylbenzene	5*	33	28	33	40	78	54	0.17 J	U	U	U	U	U	U
Isopropylbenzene	5*	11	6.7	8	7.4	15	11	U	U	U	U	U	U	U
tert-Butyl Methyl Ether	10	U	U	U	U	U	U	U	U	U	U	U	U	U
n-Butylbenzene	5*	5.6	U	U	3.2	U	7	U	U	U	U	U	0.37 J	U
n-Propylbenzene	5*	21	13	14	14	26	21	0.2 J	U	U	U	U	U	U
m,p-Xylene (Sum of Isomers)	5*	70	53	75	57	280	120	0.46 J	U	U	U	U	0.31 J	U
Naphthalene	10	16	14	20	15	6.7	2.4	U	0.48 J	U	U	U	U	U
o-Xylene	5*	1.8 J	1.4 J	2.1 J	1.3 J	6.5 J	2.9 J	U	U	U	U	U	U	U
p-Isopropyltoluene	5*	6.3	1.7	1.9	1.8	14	5.8	0.25 J	U	U	U	U	U	U
sec-Butylbenzene	5*	5.4	2.9	2.9	3.1	7.0	U	U	0.19 J	U	U	U	0.32 J	U
tert-Butylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
Toluene	5*	0.64 J	0.60 J	0.73 J	1.3	1.6 J	0.48 J	U	U	U	U	U	U	U
Total VOCs		327.34	205.9	323.73	284.1	705.8	451.03	2.03	1.22	0.16	0.18	0	1.35	0

Sample Location	NYS AWQ	789MW-46R		
Date of Collection	S/GV	9/29/20	6/29/21	12/01/21
VOCs	(µg/L)			
1,2,4-Trimethylbenzene	5*	U	0.40 U	1.5 U
1,3,5-Trimethylbenzene	5*	U	0.40 U	1.5 U
Benzene	1	0.58 J	**0.43 J**	0.45 U
Ethylbenzene	5*	U	0.40 U	0.75 U
Isopropylbenzene	5*	U	0.40 U	0.75 U
tert-Butyl Methyl Ether	10	U	0.80 U	0.75 U
n-Butylbenzene	5*	U	0.80 U	1.0 U
n-Propylbenzene	5*	U	0.40 U	1.0 U
m,p-Xylene (Sum of Isomers)	5*	0.19 J	0.80 U	0.80 U
Naphthalene	10	U	0.80 U	3.0 U
o-Xylene	5*	U	0.40 U	0.75 U
p-Isopropyltoluene	5*	U	0.40 U	1.5 U
sec-Butylbenzene	5*	U	0.40 U	1.5 U
tert-Butylbenzene	5*	U	0.40 U	1.0 U
Toluene	5*	U	0.40 U	0.75 U
Total VOCs		0.77	0.80 U	0.75 U

Sample Location	NYS AWQ	789MW-83											
Date of Collection	S/GV	10/3/02	4/8/03	7/2/03	9/23/03	12/22/03	4/8/04	7/7/04	9/24/04	1/3/05	4/7/05	6/23/05	9/27/05	1/3/06
VOCs	(µg/L)													
1,2,4-Trimethylbenzene	5*													
1,3,5-Trimethylbenzene	5*													
Benzene	1													
Ethylbenzene	5*													
Isopropylbenzene	5*													
tert-Butyl Methyl Ether	10													
n-Butylbenzene	5*	Free Product	Free Product	Free Product	Free Product	Free Product	Free Product	Free Product	Free Product	Free Product	Free Product	Free Product	Free Product	Free Product
n-Propylbenzene	5*	5.39 ft	6.57 ft	5.71 ft	5.25 ft		4.85 ft	2.91 ft	Recovery Ongoing	Recovery Ongoing	Recovery Ongoing	0.03 ft	0.14 ft	0.01 ft
m,p-Xylene (Sum of Isomers)	5*													
Naphthalene	10													
o-Xylene	5*													
p-Isopropyltoluene	5*													
sec-Butylbenzene	5*													
tert-Butylbenzene	5*													
Toluene	5*													
Total VOCs														

Sample Location	NYS AWQ	789MW-83											
Date of Collection	S/GV	3/22/06	6/21/06	9/20/06	12/19/06	4/11/07	6/18/07	9/18/07	12/5/07	3/24/08	6/10/08	9/9/08	12/16/08	3/23/09
VOCs	(µg/L)													
1,2,4-Trimethylbenzene	5*					382								
1,3,5-Trimethylbenzene	5*					89.8								
Benzene	1					U								
Ethylbenzene	5*					111								
Isopropylbenzene	5*					37.4								
tert-Butyl Methyl Ether	10					U								
n-Butylbenzene	5*	Free Product	Free Product	Free Product	Free Product	38.2	Free Product	Free Product	Free Product	Free Product	Free Product	Free Product	Free Product	Free Product
n-Propylbenzene	5*	0.03 ft	0.25 ft	0.10 ft	0.06 ft	67.4	0.04 ft	0.10 ft	0.02 ft	0.06 ft	0.01 ft	0.5 ft	0.32 ft	0.06 ft
m,p-Xylene (Sum of Isomers)	5*					331								
Naphthalene	10					109								
o-Xylene	5*					76.6								
p-Isopropyltoluene	5*					20.2								
sec-Butylbenzene	5*					23.7								
tert-Butylbenzene	5*					U								
Toluene	5*					4.6								
Total VOCs						1,290.9								

Table 3-4
Site SS067 Select Historical Groundwater Sampling Results (2002 - 2021)
Petroleum Spill Sites
Former Griffiss Air Force Base, Rome, New York

Sample Location	NYS AWQ S/GV (µg/L)	789MW-83												
Date of Collection		6/23/09	9/9/09	12/1/09	4/7/10	6/15/10	9/22/10	12/7/10	4/26/11	7/26/11	11/7/11	1/10/12	4/23/12	7/11/12
VOCs														
1,2,4-Trimethylbenzene	5*	Free Product 0.01 ft	Free Product 0.03 ft	Free Product 0.23 ft	Free Product 0.9 ft	Free Product 0.55 ft	Free Product 0.37 ft	Free Product 0.01 ft	Free Product 0.04 ft	Free Product 0.05 ft	Free Product 0.02 ft	190	140	100
1,3,5-Trimethylbenzene	5*											130	97	50
Benzene	1											U	U	U
Ethylbenzene	5*											5.7	8.1	4.8
Isopropylbenzene	5*											10	8.3	5.9
tert-Butyl Methyl Ether	10											U	U	U
n-Butylbenzene	5*											21	U	5.0
n-Propylbenzene	5*											19	15	15
m,p-Xylene (Sum of Isomers)	5*											41	42	22
Naphthalene	10											24	U	U
o-Xylene	5*											4.2	2.9 J	1.0
p-Isopropyltoluene	5*											50	16	9.5
sec-Butylbenzene	5*											7.4	U	6.0
tert-Butylbenzene	5*											U	U	U
Toluene	5*											0.33 J	U	U
Total VOCs												502.63	329.3	219.2

Sample Location	NYS AWQ S/GV (µg/L)	789MW-83										
Date of Collection		10/11/12	1/16/13	4/24/13	7/18/13	10/17/13	1/30/14	4/23/14	4/06/21	6/29/21	9/28/21	12/01/21
VOCs												
1,2,4-Trimethylbenzene	5*	Free Product 0.06 ft	Free Product 0.09 ft	62 JD	Free Product 0.20 ft	36	57 Q	76	**1.0**	0.40 U	1.5 U	1.5 U
1,3,5-Trimethylbenzene	5*			36 JD		17	20 Q	25	**0.24 J**	0.40 U	1.5 U	1.5 U
Benzene	1			UD		U	U	U	0.40 U	0.40 U	0.45 U	0.45 U
Ethylbenzene	5*			UD		3.1	8.5 Q	8.1	0.40 U	0.40 U	0.75 U	0.75 U
Isopropylbenzene	5*			UD		3.1	5.3 Q	7.9	0.40 U	0.40 U	0.75 U	0.75 U
tert-Butyl Methyl Ether	10			UD		U	U	U	0.80 U	0.80 U	0.75 U	0.75 U
n-Butylbenzene	5*			UD		4.4	5.1 Q	4.1	0.80 U	0.80 U	1.0 U	1.0 U
n-Propylbenzene	5*			UD		7.7	7.0 Q	15	0.40 U	0.40 U	1.0 U	1.0 U
m,p-Xylene (Sum of Isomers)	5*			UD		4.5	10 Q	13	**0.32 J**	0.80 U	0.80 U	0.80 U
Naphthalene	10			UD		6.1	9.0 Q	8.4	**0.55 J**	0.80 U	3.0 U	3.0 U
o-Xylene	5*			UD		0.67 J	1.1 JQ	1.1	0.40 U	0.40 U	0.75 U	0.75 U
p-Isopropyltoluene	5*			UD		5.4	6.0 Q	11	0.40 U	0.40 U	1.5 U	1.5 U
sec-Butylbenzene	5*			UD		5.3	4.4 Q	3.7	0.40 U	0.40 U	1.5 U	1.5 U
tert-Butylbenzene	5*			UD		U	UQ	U	0.40 U	0.40 U	1.0 U	1.0 U
Toluene	5*			UD		0.42 J	U	U	0.40 U	0.40 U	0.75 U	0.75 U
Total VOCs				98		93.69	133.4	173.3	**0.32 J**	0.80 U	0.75 U	0.75 U

Sample Location	NYS AWQ S/GV (µg/L)	789MW-96												
Date of Collection		7/10/02	10/3/02	12/11/02	4/8/03	7/2/03	9/23/03	12/22/03	4/8/04	7/7/04	9/24/04	1/3/05	4/7/05	6/23/05
VOCs														
1,2,4-Trimethylbenzene	5*	Free Product 4.16 ft	Free Product 5.25 ft	Free Product 5.34 ft	Free Product 5.25 ft	Free Product 5.14 ft	Free Product 5.10 ft	Free Product 5.82 ft	Free Product 4.82 ft	Free Product 4.55 ft	Free Product 4.42 ft	Free Product 3.85 ft	Free Product 3.74 ft	Free Product 3.58 ft
1,3,5-Trimethylbenzene	5*													
Benzene	1													
Ethylbenzene	5*													
Isopropylbenzene	5*													
tert-Butyl Methyl Ether	10													
n-Butylbenzene	5*													
n-Propylbenzene	5*													
m,p-Xylene (Sum of Isomers)	5*													
Naphthalene	10													
o-Xylene	5*													
p-Isopropyltoluene	5*													
sec-Butylbenzene	5*													
tert-Butylbenzene	5*													
Toluene	5*													
Total VOCs														

Sample Location	NYS AWQ S/GV (µg/L)	789MW-96												
Date of Collection		9/27/05	1/3/06	3/22/06	6/21/06	9/20/06	12/19/06	4/11/07	6/18/07	9/18/07	12/5/07	3/24/08	6/10/08	9/9/08
VOCs														
1,2,4-Trimethylbenzene	5*	Free Product 3.85 ft	Free Product 4.01 ft	Free Product 3.25 ft	Free Product 3.69 ft	Free Product 3.85 ft	Free Product 3.67 ft	Free Product 3.35 ft	Free Product 4.37 ft	Free Product 1.55 ft	Free Product 2.30 ft	Free Product 1.96 ft	Free Product 2.92 ft	Free Product 2.65 ft
1,3,5-Trimethylbenzene	5*													
Benzene	1													
Ethylbenzene	5*													
Isopropylbenzene	5*													
tert-Butyl Methyl Ether	10													
n-Butylbenzene	5*													
n-Propylbenzene	5*													
m,p-Xylene (Sum of Isomers)	5*													
Naphthalene	10													
o-Xylene	5*													
p-Isopropyltoluene	5*													
sec-Butylbenzene	5*													
tert-Butylbenzene	5*													
Toluene	5*													
Total VOCs														

Table 3-4
Site SS067 Select Historical Groundwater Sampling Results (2002 - 2021)
Petroleum Spill Sites
Former Griffiss Air Force Base, Rome, New York

Sample Location	NYS AWQS/GV (µg/L)	789MW-96											
Date of Collection		12/16/08	3/23/09	6/23/09	9/8/09	12/1/09	4/7/10	6/15/10	9/22/10	12/7/10	4/26/11	7/26/11	11/7/11	1/10/12
VOCs														
1,2,4-Trimethylbenzene	5*	Free Product 4.37 ft	Free Product 3.64 ft	Free Product 0.44 ft	Free Product 3.33 ft	Free Product 3.25 ft	Free Product 3.25 ft	Free Product 3.25 ft	Free Product 3.65 ft	Free Product 0.65 ft	Free Product 2.63 ft	Free Product 4.05 ft	Free Product 3.27 ft	Free Product 3.32 ft
1,3,5-Trimethylbenzene	5*													
Benzene	1													
Ethylbenzene	5*													
Isopropylbenzene	5*													
tert-Butyl Methyl Ether	10													
n-Butylbenzene	5*													
n-Propylbenzene	5*													
m,p-Xylene (Sum of Isomers)	5*													
Naphthalene	10													
o-Xylene	5*													
p-Isopropyltoluene	5*													
sec-Butylbenzene	5*													
tert-Butylbenzene	5*													
Toluene	5*													
Total VOCs														

Sample Location	NYS AWQS/GV (µg/L)	789MW-96											
Date of Collection		4/23/12	7/11/12	10/11/12	1/16/13	4/24/13	7/18/13	10/17/13	1/30/14	4/9/14	7/24/14	10/14/14	7/6/15	8/24/15
VOCs														
1,2,4-Trimethylbenzene	5*	Free Product 4.10 ft	Free Product (Indeter- minable Amount)	Free Product 0.55 ft	Free Product 2.70 ft	Free Product 0.10 ft	Free Product 0.33 ft	Free Product 1.85 ft	Free Product 1.54 ft	Free Product 1.34 ft	Free Product 1.96 ft	Free Product 0.25 ft	Free Product 0.22 ft	Free Product 0.32 ft
1,3,5-Trimethylbenzene	5*													
Benzene	1													
Ethylbenzene	5*													
Isopropylbenzene	5*													
tert-Butyl Methyl Ether	10													
n-Butylbenzene	5*													
n-Propylbenzene	5*													
m,p-Xylene (Sum of Isomers)	5*													
Naphthalene	10													
o-Xylene	5*													
p-Isopropyltoluene	5*													
sec-Butylbenzene	5*													
tert-Butylbenzene	5*													
Toluene	5*													
Total VOCs														

Sample Location	NYS AWQS/GV (µg/L)	789MW-96			789MW-97		
Date of Collection		12/2/15	6/27/16	11/03/16	12/02/18	4/04/19	6/20/19
VOCs							
1,2,4-Trimethylbenzene	5*	Free Product 0.14 ft	Free Product 1.15 ft	Free Product 0.58 ft	200 D	520 D	310 D
1,3,5-Trimethylbenzene	5*				66 D	140 D	120 D
Benzene	1				98 D	96 D	110 D
Ethylbenzene	5*				150 D	360 D	320 D
Isopropylbenzene	5*				13 D	27 D	24 D
tert-Butyl Methyl Ether	10				U	U	U
n-Butylbenzene	5*				7.0 D	U	15 D
n-Propylbenzene	5*				19 D	42 D	39 D
m,p-Xylene (Sum of Isomers)	5*				400 D	1,100 D	630 D J
Naphthalene	10				94 D	180 D	170 D
o-Xylene	5*				10 D J	14 D	8.0 D J
p-Isopropyltoluene	5*				7.3 D	13 D	11 D
sec-Butylbenzene	5*				7.8 D	12 D	12 D
tert-Butylbenzene	5*				U	2.2 J D	2.3 D
Toluene	5*				10 D	16 D	17 D
Total VOCs					1082.1	2522.2	1788.3

Sample Location	NYS AWQS/GV (µg/L)	789MW-98											
Date of Collection		7/10/02	10/3/02	12/11/02	4/8/03	7/2/03	9/23/03	12/22/03	4/8/04	7/7/04	9/24/04	1/3/05	4/7/05	6/23/05
VOCs														
1,2,4-Trimethylbenzene	5*	Free Product 1.79 ft	Free Product 1.67 ft	Free Product 0.12 ft	Free Product 1.27 ft	Free Product 2.19 ft	Free Product 2.18 ft	Free Product 2.37 ft	Free Product 2.12 ft	Free Product 2.55 ft	Free Product 2.69 ft	Free Product 2.14 ft	Free Product 1.76 ft	Free Product 1.72 ft
1,3,5-Trimethylbenzene	5*													
Benzene	1													
Ethylbenzene	5*													
Isopropylbenzene	5*													
tert-Butyl Methyl Ether	10													
n-Butylbenzene	5*													
n-Propylbenzene	5*													
m,p-Xylene (Sum of Isomers)	5*													
Naphthalene	10													
o-Xylene	5*													
p-Isopropyltoluene	5*													
sec-Butylbenzene	5*													
tert-Butylbenzene	5*													
Toluene	5*													
Total VOCs														

Table 3-4
Site SS067 Select Historical Groundwater Sampling Results (2002 - 2021)
Petroleum Spill Sites
Former Griffiss Air Force Base, Rome, New York

Sample Location	NYS AWQS/GV (µg/L)	789MW-98											
Date of Collection		9/27/05	1/3/06	3/22/06	6/21/06	9/20/06	12/19/06	4/12/07	6/18/07	9/18/07	12/5/07	3/24/08	6/10/08	9/9/08
VOCs														
1,2,4-Trimethylbenzene	5*	Free Product 1.35 ft	Free Product 1.43 ft	Free Product 1.95 ft	Free Product 2.15 ft	Free Product 2.50 ft	Free Product 1.96 ft	Free Product 0.40 ft	Free Product 0.42 ft	Free Product 0.46 ft	Free Product 0.88 ft	Free Product 0.35 ft	Free Product 0.48 ft	Free Product 0.06 ft
1,3,5-Trimethylbenzene	5*													
Benzene	1													
Ethylbenzene	5*													
Isopropylbenzene	5*													
tert-Butyl Methyl Ether	10													
n-Butylbenzene	5*													
n-Propylbenzene	5*													
m,p-Xylene (Sum of Isomers)	5*													
Naphthalene	10													
o-Xylene	5*													
p-Isopropyltoluene	5*													
sec-Butylbenzene	5*													
tert-Butylbenzene	5*													
Toluene	5*													
Total VOCs														

Sample Location	NYS AWQS/GV (µg/L)	789MW-98											
Date of Collection		12/16/08	3/23/09	6/23/09	9/8/09	12/1/09	4/7/10	6/15/10	9/22/10	12/7/10	4/26/11	7/26/11	11/7/11	1/10/12
VOCs														
1,2,4-Trimethylbenzene	5*	Free Product 0.04 ft	Free Product 0.17 ft	Free Product 0.05 ft	Free Product 0.24 ft	Free Product 0.29 ft	Free Product 1.25 ft	Free Product 0.90 ft	Free Product 1.70 ft	Free Product 1.80 ft	Free Product 5.38 ft	Free Product 1.91 ft	Free Product 1.28 ft	Free Product 1.21 ft
1,3,5-Trimethylbenzene	5*													
Benzene	1													
Ethylbenzene	5*													
Isopropylbenzene	5*													
tert-Butyl Methyl Ether	10													
n-Butylbenzene	5*													
n-Propylbenzene	5*													
m,p-Xylene (Sum of Isomers)	5*													
Naphthalene	10													
o-Xylene	5*													
p-Isopropyltoluene	5*													
sec-Butylbenzene	5*													
tert-Butylbenzene	5*													
Toluene	5*													
Total VOCs														

Sample Location	NYS AWQS/GV (µg/L)	789MW-98											
Date of Collection		4/23/12	7/11/12	10/11/12	1/16/13	4/24/13	7/18/13	10/17/13	1/30/14	4/23/14	7/24/14	10/13/14	3/19/15	7/6/15
VOCs														
1,2,4-Trimethylbenzene	5*	Free Product 1.17 ft	Free Product 1.07 ft	Free Product 1.28 ft	Free Product 2.02 ft	Free Product 1.52 ft	Free Product 0.95 ft	Free Product 0.38 ft	Free Product 0.30 ft	Free Product 0.54 ft	520 D	600	Free Product 0.82 ft	590
1,3,5-Trimethylbenzene	5*										220 D	240		U
Benzene	1										48 D	66		270
Ethylbenzene	5*										130 D	83		120
Isopropylbenzene	5*										23 D	17 Q		24 Q
tert-Butyl Methyl Ether	10										U	U		U
n-Butylbenzene	5*										38 D	44 Q		87 Q
n-Propylbenzene	5*										46 D	23 Q		45 Q
m,p-Xylene (Sum of Isomers)	5*										640 D	640		660
Naphthalene	10										170 D	120 Q		160 Q
o-Xylene	5*										340 D	330		370
p-Isopropyltoluene	5*										27 D	59 Q		100 Q
sec-Butylbenzene	5*										31 D	19 Q		43 Q
tert-Butylbenzene	5*										U	UQ		U
Toluene	5*										240 D	160		590
Total VOCs											2,473	2,401		3,059

Sample Location	NYS AWQS/GV (µg/L)	789MW-98												
Date of Collection		8/25/15	12/2/15	1/27/16	6/29/16	11/03/16	03/28/18	07/24/18	09/19/18	12/02/18	08/27/19	11/19/19	6/23/20	9/29/20
VOCs														
1,2,4-Trimethylbenzene	5*	430	Free Product 0.02 ft	Free Product 2.03 ft	900	Free Product 0.31 ft	1,500 D J	140 D	320 D J	260 D	520 D	610 D	200 D	550 D
1,3,5-Trimethylbenzene	5*	490 M			380		550 D J	64 D	150 D J	100 D	170 D	190 D	91	190 D
Benzene	1	52			48		140 D J	16 J	130 D J	150 D	100 D	28 D	31	170 D
Ethylbenzene	5*	90 MQ			110		770 D J	3.8 J	34 D J	31 D	130 D	90 D	19	49 D
Isopropylbenzene	5*	18 Q			19 J		120 D J	2.7 J	7.2 D J	4.6 D	32 D	29 D	10	23 D
tert-Butyl Methyl Ether	10	U			U		U	U	U	U	U	U	U	U
n-Butylbenzene	5*	62 Q			U		150 D J	9.2 J	25 D J	5.4 D	U	U	23	40 D
n-Propylbenzene	5*	36 Q			28		260 D J	5.7 J	12 D J	6.2 D	72 D	73 D	28	62 D
m,p-Xylene (Sum of Isomers)	5*	550			1,000		2,400 D J	120 D	320 D J	330 D	550 D	460 D	150	320 D
Naphthalene	10	48 Q			210		470 D J	6.0 J	60 D J	70 D	96 D	99 D	33	66 D J
o-Xylene	5*	270			560		740 D J	47 D	93 D J	140 D	130 D	74 D	61	66 D
p-Isopropyltoluene	5*	41 Q			81		72 D J	13 J	29 D J	11 D	18 D	29 D	14	22 D
sec-Butylbenzene	5*	46 Q			31		U	U	U	5.9 D	25 D	40 D	19	32 D
tert-Butylbenzene	5*	1.6 UQ			U		U	U	U	U	3.7 J D	4.7 J D	2.5	4.0 J D
Toluene	5*	160			470		41 D J	3.8 J	37 D J	30 D	14 D	4.6 J D	6.3	37 D
Total VOCs		2,295			3,837		7213	431.2	1217.2	1144.1	1860.7	1731.3	687.8	1631

Table 3-4
Site SS067 Select Historical Groundwater Sampling Results (2002 - 2021)
Petroleum Spill Sites
Former Griffiss Air Force Base, Rome, New York

Sample Location	NYS AWQ S/GV (µg/L)	789MW-98				
Date of Collection		12/01/20	04/06/21	06/29/21	09/28/21	12/01/21
VOCs						
1,2,4-Trimethylbenzene	5*	510 D	440 D	770 D	717	236 D
1,3,5-Trimethylbenzene	5*	170 D	160 D	240 D	187	87.6
Benzene	1	190 D	380 D	68 D	66.4	86.4
Ethylbenzene	5*	64 D	100	190 D	130	27.7
Isopropylbenzene	5*	21 D	16	41 D	33.9	6.6
tert-Butyl Methyl Ether	10	U	U	16 U	1.5 U	0.75 U
n-Butylbenzene	5*	30 D	U	33 D	22.3	11.2
n-Propylbenzene	5*	51 D	35	90 D	68.3	16.4
m,p-Xylene (Sum of Isomers)	5*	400 D	580 D	900 D	724	188
Naphthalene	10	69 D	91	170 D	119	31.2
o-Xylene	5*	62 D	180 D	78 D	40.4	35.4
p-Isopropyltoluene	5*	22 D	32	21 D	15.9	10.7
sec-Butylbenzene	5*	30 D	31	29 D	15.8	7.1
tert-Butylbenzene	5*	U	U	8.0 U	2.6	2.1
Toluene	5*	24 D	65	7.0 J D	5.5	3.9
Total VOCs		1643	2100	980 D	764	223

Sample Location	NYS AWQ S/GV (µg/L)	789MW-99												
Date of Collection		7/10/02	10/3/02	12/11/02	4/8/03	7/2/03	9/23/03	12/22/03	4/8/04	7/7/04	9/24/04	1/3/05	4/7/05	6/23/05
VOCs														
1,2,4-Trimethylbenzene	5*	110	7.8	110	210	930	430	U	650	620	340	720	520	52 J
1,3,5-Trimethylbenzene	5*	73	17	62	82	300	140	120 J	200	190	100	200	140	32
Benzene	1	180	72	80	240	300	230	120 J	180	140	46	73	69	26
Ethylbenzene	5*	74	21	61	110	390	200	110 J	240	260	100	270	130	24
Isopropylbenzene	5*	24	5.6	21	20	61	31	40 J	50	49	24	49	33	9.7
tert-Butyl Methyl Ether	10	U	U	5.4	U	U	U	U	U	U	U	U	U	U
n-Butylbenzene	5*	U	U	U	42	U	32	21	35	25	22	48	U	U
n-Propylbenzene	5*	43	9.7	40	40	140	67	71 J	110	100	53	110	73	22
m,p-Xylene (Sum of Isomers)	5*	160	6.2	92	220	1,100	470	330 J	650	760	290	930	470	51
Naphthalene	10	86	16	67	60	350 B	130	200 J	160	200	140	170	170	52
o-Xylene	5*	55	1.8	18	30	150	100	130 J	170	170	68	130	55	7.4
p-Isopropyltoluene	5*	15	4.2	11	16	40	19	17	25	20	17	29	18	9.8
sec-Butylbenzene	5*	19	6	17	18	40	20	19	30	23	20	36	22	12
tert-Butylbenzene	5*	1.8	U	1.6	U	U	U	2.1	U	2.5	U	U	U	1.2
Toluene	5*	7.1	4.1 B	40	12	37	51	25	18	16	6	9.8 F	U	0.96 F
Total VOCs		847.9	171.4	626	1,100	3,838	1,920	1,205.1	2,518	2,575.5	1,226	2,774.8	1,700	300.06

Sample Location	NYS AWQ S/GV (µg/L)	789MW-99												
Date of Collection		9/27/05	1/3/06	3/22/06	6/21/06	9/20/06	12/19/06	4/11/07	6/18/07	9/18/07	12/5/07	3/25/08	6/10/08	9/9/08
VOCs														
1,2,4-Trimethylbenzene	5*	250 J	22	140	130	139 ♦	115	144	83	47.1	68.7	27.5	37.7	42.2
1,3,5-Trimethylbenzene	5*	40 J♦	4	40 J	35	35.2 ♦	27.6	37.4	82.4	10.2	17.4	7.18	8.76	10.2
Benzene	1	40 J	11	78	98	45.6 ♦	30.2	49.1	31.2	6.65	8.15	16.5	19.4	5.4
Ethylbenzene	5*	64	11	56	84	61.2 ♦	49.6	59.3	35.8	16.8	17	6.86	15.5	9.44
Isopropylbenzene	5*	17 J♦	3.5	14	23	10.5 ♦	9.4 ♦	13.6	7.95	4.7 F	7.85	2.3	4.42	3.78
tert-Butyl Methyl Ether	10	U	U	U	U	U	U	U	U	U	U	U	U	U
n-Butylbenzene	5*	26 J♦	5.2	12 J	18	9.15 ♦	7.4	20.4	U	5.85	8.6	1.7 F	6.74	3.36
n-Propylbenzene	5*	34 J♦	6.4	27	27	20.2 ♦	18.2 ♦	25.7	14.4	7.6	13.6	4	7.86	7.26
m,p-Xylene (Sum of Isomers)	5*	180	16	120	200	188 ♦	139	136	83	31.8	30.4	10.4	26.6	14.8
Naphthalene	10	75 J	9.4	48 J	45	53.8 ♦	35.2	51.8	26.7	15.8	11.3	7.86	10.7	9.52
o-Xylene	5*	18 ♦	2.2	9.1	13	3.35 F♦	1.8 F	1.55 F	0.85 F	U	U	U	U	0.36 F
p-Isopropyltoluene	5*	11 J♦	1.6	8.4 J	13	7.30 ♦	4.85 F	8.3	2.75 F	2.35 F	4.05 F	1.78 F	3.1	2.66
sec-Butylbenzene	5*	14 ♦	4.8	13	18	8.70 ♦	8.25	11.3	6.55	4.45 F	7.45	2.66	5.14	5.28
tert-Butylbenzene	5*	1.4 J♦	0.44 F	U	1.8	2.65 F♦	0.85 F	U	U	U	0.95 F	0.36 F	U	0.56 F
Toluene	5*	1.9 ♦	0.37 F	2 F	2.5	1.10 F♦	0.85 F	1.7 F	1.75 F	U	0.6 F	0.58 F	1.5	0.56 F
Total VOCs		772.3	97.91	567.5	708.3	585.75	448.2	560.15	376.35	153.30	196.05	89.68	147.42	115.38

Sample Location	NYS AWQ S/GV (µg/L)	789MW-99												
Date of Collection		12/16/08	3/23/09	6/23/09	9/8/09	12/3/09	4/6/10	6/15/10	9/22/10	12/7/10	4/26/11	7/25/11	11/9/11	1/10/12
VOCs														
1,2,4-Trimethylbenzene	5*	31.3		33.2	25.7	21.7	28.5	21.4	21.5	31.7	34	31	22	18
1,3,5-Trimethylbenzene	5*	7.76		7.76	5.4	4.62	6.28	4.76	4.19	6.78	8.2	7.6	10	3.9
Benzene	1	7.72		18.6	6.08	5.4	35.9	27.9	21.2	40.6	38	15	5	4.8
Ethylbenzene	5*	7.18		22.7	14.1	10.7	21.2	17.5	18.4	35.1	U	28	16	10
Isopropylbenzene	5*	3.38		4.62	3.52	3.08	5.05	2.54	2.57	4.55	7	4.6	3.4	3.2
tert-Butyl Methyl Ether	10	U		U	U	U	U	U	U	U	4.3	U	U	U
n-Butylbenzene	5*	7.41		3.7	2.48	2.36	2.54	1.5	1.9	1.81	U	1.7	U	1.2
n-Propylbenzene	5*	7.18	Free Product	7.94	5.96	4.78	7.43	3.69	3.61	6.33	36	5.3	3.8	3.7
m,p-Xylene (Sum of Isomers)	5*	9.64	0.01 ft	38.8	20.2	13.1	18.4	16.4	16.5	34.5	7	26	15	9.6
Naphthalene	10	5.57		13.3	10.9	9.92	11.5	11	8.62	12.2	1.6	15	11	6.6
o-Xylene	5*	U		0.84 F	U	U	0.290 F	0.26 F	0.25 F	0.68 F	5.7	0.61 J	0.46 J	0.39 J
p-Isopropyltoluene	5*	2.84		2.78	1.76 F	1.44 F	2.15	1.28	1.08	1.6	31	1.2	U	0.67 J
sec-Butylbenzene	5*	6.47		5.48	4.88	4.5	6.89	3.88	2.97	5.13	0.61 J	4.4	5.5	3.7
tert-Butylbenzene	5*	0.48 F		0.9 F	0.46 F	0.42 F	0.620 F	0.41 F	0.34 F	0.57 F	19	U	U	U
Toluene	5*	0.44 F		1.74 F	0.9 F	0.66 F	2.42	1.87	1.74	3.89	U	4.4	1.3	0.92 J
Total VOCs		97.37		162.36	102.34	82.68	149.17	114.39	104.87	185.44	192.41	144.81	93.46	66.68

Table 3-4
Site SS067 Select Historical Groundwater Sampling Results (2002 - 2021)
Petroleum Spill Sites
Former Griffiss Air Force Base, Rome, New York

Sample Location	NYS AWQ S/GV (µg/L)	789MW-99												
Date of Collection		4/19/12	7/11/12	4/24/13	7/18/13	10/17/13	1/30/14	4/9/14	7/24/14	10/13/14	3/19/15	7/7/15	8/25/15	12/2/15
VOCs														
1,2,4-Trimethylbenzene	5*	18	15	13	9.8	13 J	8.7	14	23	22	21	14	14	14
1,3,5-Trimethylbenzene	5*	U	3.4	2.8	2.1	2.9	1.9	3	4.8	6	3.9	U	6.7	3.0 M
Benzene	1	6.8	4.2	15	6.9	6.4	1.8	2.9	4.8	2.9	3.2	5.0	3.7	2.9
Ethylbenzene	5*	12	7.7	13	8.9	14 J	5.1	6.2	11	8.1	8.3	8.4	6.8	6.7
Isopropylbenzene	5*	3	2.5	2.3	1.5	2.1	1.4	2	3.5 Q	3.3	2.4	1.9	1.8	1.8
tert-Butyl Methyl Ether	10	U	U	U	U	U	U	U	U	U	U	U	U	U
n-Butylbenzene	5*	1.0	1.1	0.96 J	0.49 J	U	0.88 J	1.1	1.6	1	U	0.72 J	1.3	U
n-Propylbenzene	5*	4.7	3.6	3.2	2.0	2.7	1.9	2.5	4.4	4.4	3.4	2.6	2.4	2.3
m,p-Xylene (Sum of Isomers)	5*	7.2	6.7	11	7.9	14.0	6.9	8.6	14	12	12	10	11	11
Naphthalene	10	5.9	7.0	5.9	5.1	7.4	4.0	7.5	12	5.6	8.3	5.8	5.9	5.2
o-Xylene	5*	0.36 J	0.34 J	0.37 J	0.22 J	0.44 J	U	0.21 J	0.40 J	0.30 J	0.24 J	0.28 J	0.30 J	0.24 J
p-Isopropyltoluene	5*	U	0.64 J	0.52 J	0.33 J	0.48 J	0.32 J	0.45 J	0.81 J	1	0.68 J	0.67 J	0.51 J	0.49 J
sec-Butylbenzene	5*	4.9	3.8	3.8	2.0	U	1.9	2.3	4.7	4.7	U	2.6	2.5	2.7
tert-Butylbenzene	5*	U	U	0.33 J	0.2 J	U	U	U	3.0	U	U	U	U	U
Toluene	5*	0.91 J	0.70 J	1.8	1.9	2.5	0.54 J	0.70 J	1.5	1	0.97 J	1.7	1.4	1.2
Total VOCs		64.77	56.68	73.98	49.34	65.92	35.34	51.46	86.51	72.3	64.39	53.67	58.31	51.53

Sample Location	NYS AWQ S/GV (µg/L)	789MW-99												
Date of Collection		1/27/16	6/29/16	11/03/16	03/29/17	06/29/17	08/10/17	11/08/17	03/28/18	07/24/18	09/19/18	12/02/18	4/04/19	6/20/19
VOCs														
1,2,4-Trimethylbenzene	5*	170	16	87 J♦	0.4 U	21 ♦	17 ♦	5.1	7.3 D J ♦	4.8 J ♦	22 D ♦	160 D	17	8.4 ♦
1,3,5-Trimethylbenzene	5*	110	12	34 ♦	30	8.2♦	5.8 ♦	2.4	2.8 D J ♦	2.4 J ♦	9.4 D J ♦	48 ♦	12	5.2
Benzene	1	12	2.9	3.1 ♦	7.6	4.3♦	3.3 ♦	1.4	1.7 D J	1.7 J	2.9 D J ♦	12 ♦	40	12 ♦
Ethylbenzene	5*	82	6.0	23 ♦	18	9♦	♦	1.2	3.4 D J ♦	3.5 J ♦	8.3 D J ♦	33 ♦	24 ♦	10
Isopropylbenzene	5*	18	1.8	8.8 ♦	7	2.7♦	2.3 ♦	0.57 J	1.4 D J ♦	1.3 J ♦	2.6 D J ♦	14	4	3.2
tert-Butyl Methyl Ether	10	U	U	U	0.8 U	U	U	U	U	U	U	U	U	0.27 J ♦
n-Butylbenzene	5*	7.8	2.0	4.6 ♦	5.3	2.4♦	3 ♦	0.67 J	1.7 D J ♦	1.3 J ♦	U	8.8 ♦	U	4.4 ♦
n-Propylbenzene	5*	26	2.2	13 ♦	12	3.9♦	3.9 ♦	0.88 J	2.8 D J	2.2 J ♦	3.2 D J ♦	25 ♦	5.3	4.3 ♦
m,p-Xylene (Sum of Isomers)	5*	200	9.0	49 ♦	22	10♦	6.8 ♦	1.6 J	2.9 D J ♦	2.8 J ♦	11 D J ♦	49 ♦	29	8.1 ♦
Naphthalene	10	14	4.3	9 ♦	6.8	3.9♦	4.2 ♦	1.3	3.9 D J	3.9 J	3.7 D J ♦	12 ♦	6.5	5.8
o-Xylene	5*	2.3 J	0.30 J	1.1 ♦	1.2	0.51 J♦	0.35 J ♦	U	U	0.21 J	U	1.7	2.2	0.99 J ♦
p-Isopropyltoluene	5*	4.8	3.7	2.7 ♦	4.7	1.4♦	1.7 ♦	0.70 J	1.1 D J ♦	0.79 J ♦	0.90 D J	7.2 ♦	3.1	2.3
sec-Butylbenzene	5*	13	2.0	6.2 ♦	7.8	3.7♦	4.1 ♦	1.3	3.8 D J ♦	2.6 J ♦	2.1 D J ♦	12	6 ♦	5.8 ♦
tert-Butylbenzene	5*	U	U	12 ♦	0.4 U	U	U	U	U	0.78 J ♦	U ♦	U	0.62 J	0.69 J ♦
Toluene	5*	3.2	0.93 J	1.3 ♦	4.8	1.3♦	0.68 J ♦	0.20 J	0.91 D J ♦	0.59 J	0.68 D J	1.3 ♦	3.8 ♦	1.4
Total VOCs		663.1	63.13	254.8	127.2	72.31	59.03	17.32	33.71	28.87	66.78	384.00	153.52	72.85

Sample Location	NYS AWQ S/GV (µg/L)	789MW-99								
Date of Collection		8/27/19	11/19/19	6/23/20	9/29/20	12/01/20	4/06/21	6/29/21	9/28/21	12/01/21
VOCs										
1,2,4-Trimethylbenzene	5*	8	2.0 J	3.9 J	360 D J ♦	0.79 J ♦	2.5 J	0.26 J	1.5 UJ	1.5 U
1,3,5-Trimethylbenzene	5*	4.7	1.6 J	1.5	98 D J ♦	0.35 J ♦	1.0 J	0.29 J	1.5 UJ	1.5 U
Benzene	1	10	6.2 J	2.5	170 D J ♦	4.8 ♦	2.7	3.3	3.3 J	3.2
Ethylbenzene	5*	6.6	3.8 J ♦	0.83 J	150 D J ♦	0.33 J	0.40 J	0.40 U	0.95 J	3.1
Isopropylbenzene	5*	2.9	1.7 J ♦	0.98 J	30 D J ♦	0.78 J	0.58 J	0.29 J	0.75 UJ	0.75 U
tert-Butyl Methyl Ether	10	U	U	U	U	U	U	0.80 U	0.75 UJ	0.75 U
n-Butylbenzene	5*	3.1 ♦	U	2.1	7.4 D J ♦	1.1	1.1	0.37 J	1.0 UJ	0.57 J
n-Propylbenzene	5*	4.6 J	2.4 J ♦	1.8	54 D J ♦	1.2	1.0	0.43 J	1.0 UJ	0.92 J
m,p-Xylene (Sum of Isomers)	5*	5.2	3.0 J ♦	0.95 J	680 D J ♦	0.48 J ♦	1.6 J	0.80 U	0.80 UJ	0.80 U
Naphthalene	10	4	2.7 J	1.9	87 D J ♦	1.3	2.6 J	0.86 J	3.0 UJ	3.0 U
o-Xylene	5*	1.0 J	0.41 J	0.21 J	5.1 D ♦	U	0.50 J	0.40 U	0.75 UJ	0.75 U
p-Isopropyltoluene	5*	1.9	0.87 J	1.1 J	7.8 D J ♦	0.45 J ♦	0.39 J	0.40 U	1.5 UJ	1.5 U
sec-Butylbenzene	5*	6.7 J	3.1 J ♦	3.3	12 D J ♦	2.5 ♦	1.6	0.90 J	0.73 J	1.1 J
tert-Butylbenzene	5*	0.52 J	U	U	U	U	U	0.40 U	1.0 UJ	1.0 U
Toluene	5*	0.94 J	0.44 J ♦	0.20 J	18 D ♦	0.17 J	0.23 J	0.36 J	0.72 J	1.3
Total VOCs		60.16	28.22	21.27	1679.3	14.25	16.2	0.80 U	0.75 UJ	0.75 U

Sample Location	NYS AWQ S/GV (µg/L)	789MW-102												
Date of Collection		7/10/02	10/3/02	12/11/02	4/8/03	7/2/03	9/23/03	12/22/03	4/8/04	7/7/04	9/24/04	1/3/05	4/8/05	6/23/05
VOCs														
1,2,4-Trimethylbenzene	5*	U	U	U	0.25 F	U	U	U	U	U	U	U	U	U
1,3,5-Trimethylbenzene	5*	U	U	U	0.17 F	U	U	U	U	U	U	U	U	U
Benzene	1	86	200	37	18	12	15	0.44 F	4.1	23	11	18	1.6	16
Ethylbenzene	5*	U	U	U	0.19 F	U	U	U	U	U	U	U	U	U
Isopropylbenzene	5*	U	U	U	0.16 F	U	U	U	U	U	U	U	U	U
tert-Butyl Methyl Ether	10	U	U	0.96 F	0.48 F	U	U	U	U	U	U	U	U	U
n-Butylbenzene	5*	U	U	U	0.27 F	U	U	U	U	U	U	U	U	U
n-Propylbenzene	5*	U	U	U	0.15 F	U	U	U	U	U	U	U	U	U
m,p-Xylene (Sum of Isomers)	5*	U	U	U	0.44 F	U	U	U	U	0.5	U	0.43 F	U	0.58
Naphthalene	10	U	U	U	0.41 F	U	U	U	U	U	U	0.41 F	U	U
o-Xylene	5*	U	U	U	0.14 F	U	U	U	U	U	U	U	U	U
p-Isopropyltoluene	5*	U	U	U	0.24 F	U	U	U	U	U	U	U	U	U
sec-Butylbenzene	5*	U	U	U	0.24 F	U	U	U	U	U	U	U	U	U
tert-Butylbenzene	5*	U	U	U	0.19 F	U	U	U	U	U	U	U	U	U
Toluene	5*	U	U	U	0.14 F	U	0.35 F	U	U	0.46 F	U	0.28 F	U	0.37 F
Total VOCs		86	200	38	21.47	12	15.4	0.44	4.1	23.96	11	19.12	1.6	16.95

Table 3-4
Site SS067 Select Historical Groundwater Sampling Results (2002 - 2021)
Petroleum Spill Sites
Former Griffiss Air Force Base, Rome, New York

Sample Location	NYS AWQ S/GV (µg/L)	789MW-102												
Date of Collection		9/27/05	1/3/06	3/22/06	6/21/06	9/20/06	12/19/06	4/10/07	6/19/07	9/17/07	12/5/07	3/24/08	6/11/08	9/10/08
VOCs														
1,2,4-Trimethylbenzene	5*	U	U	U	0.3 F	U	U	U	0.61	1.02	2.68 ♦	0.64 F	U	21.1
1,3,5-Trimethylbenzene	5*	U	U	U	U	U	U	U	0.11	0.22 F	1.62 ♦	U	1.15	5.35
Benzene	1	44	6.5	5.2	33	27.2	4.14	2.26	29.8	39.9	13.1	1.34	9.61	22.1
Ethylbenzene	5*	U	U	U	U	0.13 F	U	U	U	0.7 F	0.23 F	U	0.65 F	5.87
Isopropylbenzene	5*	U	U	U	U	0.14 F	U	U	0.62 F	0.82 F	0.81 F	U	0.78 F	2.76
tert-Butyl Methyl Ether	10	U	U	U	0.94 F	0.58 F	U	U	U	U	U	U	U	U
n-Butylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
n-Propylbenzene	5*	U	U	U	U	U	U	U	U	U	0.18 F	U	U	2.07
m,p-Xylene (Sum of Isomers)	5*	9.2	U	1.8	8.2	13	1.98 F	U	23.3	29.7	6.78	1.63 F	9.65	47.4
Naphthalene	10	U	U	U	0.37 F	U	U	U	0.22 F	0.55 F	0.48 F	U	1.38	5.37
o-Xylene	5*	1.4	U	U	0.75	0.63 F	U	U	0.8 F	1.21	0.64 F	U	U	0.84 F
p-Isopropyltoluene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
sec-Butylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
tert-Butylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
Toluene	5*	1.9	U	U	0.65	0.7 F	U	U	0.87 F	1.37	0.34 F	U	0.69 F	1.23
Total VOCs		56.5	6.5	7	44.21	42.38	6.12	2.26	56.33	75.49	26.86	3.61	23.91	114.09

Sample Location	NYS AWQ S/GV (µg/L)	789MW-102												
Date of Collection		12/16/08	3/24/09	6/24/09	9/9/09	12/3/09	4/7/10	6/15/10	9/22/10	12/7/10	7/26/11	11/9/11	1/11/12	4/18/12
VOCs														
1,2,4-Trimethylbenzene	5*	0.45 F	0.65 F	3.65	10.1	15.1	4.58 J♦	2.61 ♦	7.02	0.67 F	1.1	0.37 J	0.44 J	U
1,3,5-Trimethylbenzene	5*	0.15 F	0.19 F	1.05	2.53	3.99	1.24 ♦	0.89 F♦	1.99	0.32 F	0.44 J	U	0.23 J	U
Benzene	1	6.17	6.21 J	10.5	28.4	14	14.4 ♦	13.1 ♦	27.4	5.22	7.8	6	2	U
Ethylbenzene	5*	0.38 F	0.29 F	0.59 F	1.38	1.68	0.320 F♦	0.230 F♦	0.53 F	U	U	U	U	U
Isopropylbenzene	5*	0.24 F	0.32 F	0.82 F	2.48	2.54	1.27 ♦	0.75 F♦	3.25	0.53 F	0.69 J	U	0.38 J	U
tert-Butyl Methyl Ether	10	U	U	U	0.23 F	U	U	U	U	U	U	U	U	U
n-Butylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
n-Propylbenzene	5*	U	U	0.26 F	0.73 F	1.3	0.340 F♦	U	0.46 F	U	U	U	U	U
m,p-Xylene (Sum of Isomers)	5*	1.39 F	3.08	12.7	28.3	33.3	15.2 J♦	14.1 ♦	26.1	8.38	4.3	3.5 JQ	1.7 J	U
Naphthalene	10	0.12 F	U	1.17	2.26	3.33	0.860 F♦	0.480 F♦	1.66	U	0.93 J	U	U	U
o-Xylene	5*	0.23 F	0.21 F	0.58 F	1.07	0.84 F	0.590 F♦	0.760 F♦	1.52	0.33 F	0.26 J	U	U	U
p-Isopropyltoluene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
sec-Butylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
tert-Butylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
Toluene	5*	0.53 F	0.25 F	0.47 F	1.52	1.17	0.650 F♦	0.98	2.17	0.52 F	0.34 J	0.62 J	0.28 J	U
Total VOCs		9.66	11.2	31.79	79	77.25	39.45	33.9	72.1	15.97	15.86	10.49	5.03	0

Sample Location	NYS AWQ S/GV (µg/L)	789MW-102												
Date of Collection		7/11/12	4/23/13	4/22/14	11/3/15	12/1/15	1/26/16	6/28/16	11/2/16	6/28/17	8/10/17	11/8/17	12/2/18	8/27/19
VOCs														
1,2,4-Trimethylbenzene	5*	0.95 J	0.34 J	14	45	11	5.0	14	41	140 D	120 D	68 D	30	200 D
1,3,5-Trimethylbenzene	5*	0.37 J	U	3	23	4.6	2.3	6.4	18	49 J	41	33	17	59 D
Benzene	1	8.0	1.0	6.8	29	10	4.2	6.0	24	26 J	22	21	68 D	92 D
Ethylbenzene	5*	0.60 J	U	0.34 J	16	5.3	2.7	2.2	12	34 J	32	27	49	130 D
Isopropylbenzene	5*	0.39 J	U	2.2	12	3.2	1.9	3.6	8.2	14 J	13	8.8	7.5	17 D
tert-Butyl Methyl Ether	10	U	U	U	U	U	U	U	U	U	U	U	U	U
n-Butylbenzene	5*	U	U	U	U	U	U	U	1.6	4.8 J	5.1	3.6	1.2	2.9 J D
n-Propylbenzene	5*	0.17 J	U	0.90 J	5.1	1.5	1.1	5.2	7.7	28 J	23	13	7.3	29 D
m,p-Xylene (Sum of Isomers)	5*	5.0	5.5	11	130	84	48	25	130	210 D	200 D	120 D	170 D	410 D
Naphthalene	10	U	U	2.4	0.96 J	0.65 J	U	0.70 J	5.2	34 J	30	14	7.2	67 D
o-Xylene	5*	0.42 J	0.19 J	0.23 J	3.0 J	1.9 J	1.4	1.6	2.7 J	5 D	3.7 JD	2.7 J D	5.5 J D	7.5 D
p-Isopropyltoluene	5*	U	U	U	U	0.24 J	U	0.20 J	0.61 J	4.4 J	3.5	5.9	1.2	3.4 J D
sec-Butylbenzene	5*	U	U	U	0.69 J	0.34 J	0.34 J	2.0	2.3	8.6 J	5.2	4.5	2.1	5.7 J
tert-Butylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U	U	0.69 J D
Toluene	5*	1.0	U	0.20 J	3.7	1.7	1.0	1.1	2.9	4.3 J	3.9	3.2	10	16 D
Total VOCs		16.9	7.03	41.07	268.45	124.43	67.94	68	256.21	562.1	502.4	324.7	376.0	1040.19

Sample Location	NYS AWQ S/GV (µg/L)	789MW-102		
Date of Collection		9/29/20	6/29/21	12/01/21
VOCs				
1,2,4-Trimethylbenzene	5*	2.9	380 D	308 D
1,3,5-Trimethylbenzene	5*	1	110 D	133
Benzene	1	4.1	110 D	172
Ethylbenzene	5*	0.27 J	280 D	381 D
Isopropylbenzene	5*	0.79 J	33 D	39.7
tert-Butyl Methyl Ether	10	U	3.2 U	0.75 U
n-Butylbenzene	5*	1.8	11 D	9.3
n-Propylbenzene	5*	1.5	63 D	78.4
m,p-Xylene (Sum of Isomers)	5*	0.66 J	670 D	584 D
Naphthalene	10	1.8 J	120 D	112
o-Xylene	5*	U	12 D	23.1
p-Isopropyltoluene	5*	0.66 J	8.7 D	9.7
sec-Butylbenzene	5*	3.1	13 D	10.9
tert-Butylbenzene	5*	U	1.4 J D	1.6 J
Toluene	5*	U	21 D	27.7
Total VOCs		18.58	680 D	607 D

Table 3-4
Site SS067 Select Historical Groundwater Sampling Results (2002 - 2021)
Petroleum Spill Sites
Former Griffiss Air Force Base, Rome, New York

Sample Location	NYS AWQ S/GV (µg/L)	789MW-103												
Date of Collection		10/10/12	1/15/13	4/23/13	7/18/13	10/17/13	1/29/14	4/22/14	7/24/14	10/13/14	7/7/15	8/24/15	12/1/15	1/26/16
VOCs														
1,2,4-Trimethylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
1,3,5-Trimethylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
Benzene	1	U	U	U	U	U	U	U	U	U	U	U	U	U
Ethylbenzene	5*	U	U	U	U	0.35 J	U	U	U	U	U	U	U	U
Isopropylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
tert-Butyl Methyl Ether	10	U	U	U	U	U	U	U	U	U	U	U	U	U
n-Butylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
n-Propylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
m,p-Xylene (Sum of Isomers)	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
Naphthalene	10	U	U	U	0.22	0.41 J	U	U	U	U	U	U	U	U
o-Xylene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
p-Isopropyltoluene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
sec-Butylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
tert-Butylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
Toluene	5*	U	U	U	U	0.43 J	U	U	U	U	U	U	U	U
Total VOCs		0	0	0	0.22	1.19	0	0	0	0	0	0	0	0

Sample Location	NYS AWQ S/GV (µg/L)	789MW-103						
Date of Collection		6/28/16	12/07/16	3/21/17	3/29/18	07/23/18	09/19/18	12/02/18
VOCs								
1,2,4-Trimethylbenzene	5*	U	U	U	U	U	U	U
1,3,5-Trimethylbenzene	5*	U	U	U	U	U	U	U
Benzene	1	U	U	U	U	U	U	U
Ethylbenzene	5*	U	U	U	U	U	U	U
Isopropylbenzene	5*	U	U	U	U	U	U	U
tert-Butyl Methyl Ether	10	U	U	U	U	U	U	U
n-Butylbenzene	5*	U	U	U	U	U	U	U
n-Propylbenzene	5*	U	U	U	U	U	U	U
m,p-Xylene (Sum of Isomers)	5*	U	U	U	U	U	U	U
Naphthalene	10	U	U	U	U	U	U	U
o-Xylene	5*	U	U	U	U	U	U	U
p-Isopropyltoluene	5*	U	U	U	U	U	U	U
sec-Butylbenzene	5*	U	U	U	U	U	U	U
tert-Butylbenzene	5*	U	U	U	U	U	U	U
Toluene	5*	U	U	U	U	U	U	U
Total VOCs		0	0	0	0	0	0	0

Sample Location	NYS AWQ S/GV (µg/L)	789MW-134												
Date of Collection		7/2/03	9/23/03	12/22/03	4/8/04	7/7/04	9/24/04	4/7/05	9/26/05	3/22/06	9/20/06	12/19/06	4/12/07	6/18/07
VOCs														
1,2,4-Trimethylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
1,3,5-Trimethylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
Benzene	1	U	U	U	U	U	U	U	U	U	U	U	U	U
Ethylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
Isopropylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
tert-Butyl Methyl Ether	10	U	U	U	U	U	27	U	U	U	U	U	U	U
n-Butylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
n-Propylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
m,p-Xylene (Sum of Isomers)	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
Naphthalene	10	U	U	U	U	U	U	U	U	U	U	U	U	U
o-Xylene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
p-Isopropyltoluene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
sec-Butylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
tert-Butylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
Toluene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
Total VOCs		0	0	0	0	0	27	0	0	0	0	0	0	0

Sample Location	NYS AWQ S/GV (µg/L)	789MW-134												
Date of Collection		9/18/07	3/24/08	9/9/08	3/23/09	1/24/09	4/7/10	4/26/11	4/17/12	10/10/12	1/16/13	4/24/13	7/18/13	10/17/13
VOCs														
1,2,4-Trimethylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
1,3,5-Trimethylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
Benzene	1	U	U	U	U	U	U	U	U	U	U	U	U	U
Ethylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
Isopropylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
tert-Butyl Methyl Ether	10	U	U	U	U	U	U	U	U	U	U	U	U	U
n-Butylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
n-Propylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
m,p-Xylene (Sum of Isomers)	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
Naphthalene	10	U	U	U	U	U	U	U	U	0.51 J	U	U	U	U
o-Xylene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
p-Isopropyltoluene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
sec-Butylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
tert-Butylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
Toluene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
Total VOCs		0	0	0	0	0	0	0	0	0.51	0	0	0	0

Table 3-4
Site SS067 Select Historical Groundwater Sampling Results (2002 - 2021)
Petroleum Spill Sites
Former Griffiss Air Force Base, Rome, New York

Sample Location	NYS AWQ S/GV (µg/L)	789MW-134												
Date of Collection		1/30/14	4/9/14	7/24/14	10/14/14	2/19/15	7/7/15	8/24/15	12/2/15	1/27/16	6/28/16	11/02/16	3/29/17	6/28/17
VOCs														
1,2,4-Trimethylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
1,3,5-Trimethylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
Benzene	1	U	U	U	U	U	U	U	U	U	U	U	U	U
Ethylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
Isopropylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
tert-Butyl Methyl Ether	10	U	U	U	U	U	U	U	U	U	U	U	U	U
n-Butylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
n-Propylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
m,p-Xylene (Sum of Isomers)	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
Naphthalene	10	U	U	U	U	U	U	0.44 J	1.1	U	U	U	U	U
o-Xylene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
p-Isopropyltoluene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
sec-Butylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
tert-Butylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
Toluene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
Total VOCs		0	0	0	0	0	0	0.44	1.1	0	0	0	0	0

Sample Location	NYS AWQ S/GV (µg/L)	789MW-134				
Date of Collection		3/29/18	07/23/18	09/19/18	12/02/18	11/19/19
VOCs						
1,2,4-Trimethylbenzene	5*	U	U	U	U	0.31 J
1,3,5-Trimethylbenzene	5*	U	U	U	U	U
Benzene	1	U	U	U	U	U
Ethylbenzene	5*	U	U	U	U	U
Isopropylbenzene	5*	U	U	U	U	U
tert-Butyl Methyl Ether	10	U	U	U	U	U
n-Butylbenzene	5*	U	U	U	U	U
n-Propylbenzene	5*	U	U	U	U	U
m,p-Xylene (Sum of Isomers)	5*	U	U	U	U	0.30 J
Naphthalene	10	U	U	U	U	U
o-Xylene	5*	U	U	U	U	U
p-Isopropyltoluene	5*	U	U	U	U	U
sec-Butylbenzene	5*	U	U	U	U	U
tert-Butylbenzene	5*	U	U	U	U	U
Toluene	5*	U	U	U	U	U
Total VOCs		0	0	0	0	0.61

Sample Location	NYS AWQ S/GV (µg/L)	789MW-135												
Date of Collection		10/10/12	1/16/13	4/24/13	7/18/13	10/17/13	1/30/14	4/9/14	7/24/14	10/14/14	2/19/15	7/6/15	8/24/15	12/2/15
VOCs														
1,2,4-Trimethylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
1,3,5-Trimethylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
Benzene	1	U	U	U	U	U	U	U	U	U	U	U	U	U
Ethylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
Isopropylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
tert-Butyl Methyl Ether	10	U	U	U	U	U	U	U	U	U	U	U	U	U
n-Butylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
n-Propylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
m,p-Xylene (Sum of Isomers)	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
Naphthalene	10	U	U	U	0.37 J	U	U	U	U	U	U	U	1.8	0.22 J
o-Xylene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
p-Isopropyltoluene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
sec-Butylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
tert-Butylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
Toluene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
Total VOCs		0	0	0	0.37	0	0	0	0	0	0	0	1.8	0.22

Sample Location	NYS AWQ S/GV (µg/L)	789MW-135										
Date of Collection		1/27/16	6/27/16	11/02/16	3/29/17	6/28/17	8/09/17	11/08/17	3/29/18	07/23/18	09/19/18	12/02/18
VOCs												
1,2,4-Trimethylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U
1,3,5-Trimethylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U
Benzene	1	U	U	U	U	U	U	U	U	U	U	U
Ethylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U
Isopropylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U
tert-Butyl Methyl Ether	10	U	U	U	U	U	U	U	U	U	U	U
n-Butylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U
n-Propylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U
m,p-Xylene (Sum of Isomers)	5*	U	U	U	U	U	U	U	U	U	U	U
Naphthalene	10	U	U	U	U	U	U	U	U	U	U	U
o-Xylene	5*	U	U	U	U	U	U	U	U	U	U	U
p-Isopropyltoluene	5*	U	U	U	U	U	U	U	U	U	U	U
sec-Butylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U
tert-Butylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U
Toluene	5*	U	U	U	U	U	U	U	U	U	U	U
Total VOCs		0	0	0	0	0	0	0	0	0	0	0

Table 3-4
Site SS067 Select Historical Groundwater Sampling Results (2002 - 2021)
Petroleum Spill Sites
Former Griffiss Air Force Base, Rome, New York

Sample Location	NYS AWQ S/GV (µg/L)	789MW-214												
Date of Collection		4/17/12	10/11/12	1/16/13	4/24/13	7/18/13	10/17/13	1/30/14	4/9/14	7/24/14	10/14/14	2/19/15	7/7/15	8/24/15
VOCs														
1,2,4-Trimethylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
1,3,5-Trimethylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
Benzene	1	U	U	U	U	U	U	U	U	U	U	U	UQ	U
Ethylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
Isopropylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
tert-Butyl Methyl Ether	10	U	U	U	U	U	U	U	U	U	U	U	U	U
n-Butylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
n-Propylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
m,p-Xylene (Sum of Isomers)	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
Naphthalene	10	U	U	U	U	U	U	U	U	U	U	U	U	U
o-Xylene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
p-Isopropyltoluene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
sec-Butylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
tert-Butylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
Toluene	5*	U	U	U	U	U	U	U	U	U	U	U	UQ	U
Total VOCs		0	0	0	0	0	0	0	0	0	0	0	0	0

Sample Location	NYS AWQ S/GV (µg/L)	789MW-214									
Date of Collection		12/2/15	1/27/16	6/27/16	11/02/16	03/29/17	06/28/17	3/29/18	07/23/18	09/19/18	12/02/18
VOCs											
1,2,4-Trimethylbenzene	5*	U	U	U	U	U	0.47 J	0.46 J	U	U	U
1,3,5-Trimethylbenzene	5*	U	U	U	U	U	U	0.21 J	U	U	U
Benzene	1	U	U	U	U	U	U	U	U	U	U
Ethylbenzene	5*	U	U	U	U	U	U	U	U	U	U
Isopropylbenzene	5*	U	U	U	U	U	U	U	U	U	U
tert-Butyl Methyl Ether	10	U	U	U	U	U	U	U	U	U	U
n-Butylbenzene	5*	U	U	U	U	U	U	U	U	U	U
n-Propylbenzene	5*	U	U	U	U	U	U	U	U	U	U
m,p-Xylene (Sum of Isomers)	5*	U	U	U	U	U	U	U	U	U	U
Naphthalene	10	U	U	U	U	0.52 J	1.3 J	U	U	U	U
o-Xylene	5*	U	U	U	U	U	U	U	U	U	U
p-Isopropyltoluene	5*	U	U	U	U	U	U	U	U	U	U
sec-Butylbenzene	5*	U	U	U	U	U	U	U	U	U	U
tert-Butylbenzene	5*	U	U	U	U	U	U	U	U	U	U
Toluene	5*	U	U	U	U	U	U	U	U	U	U
Total VOCs		0	0	0	0	0.52	1.77	0.7	0	0	0

Sample Location	NYS AWQ S/GV (µg/L)	789MW-215												
Date of Collection		4/23/12	10/10/12	1/16/13	4/24/13	7/18/13	10/17/13	1/30/14	4/9/14	7/24/14	10/14/14	2/19/15	7/6/15	8/24/15
VOCs														
1,2,4-Trimethylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
1,3,5-Trimethylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
Benzene	1	U	U	U	U	U	U	U	U	U	UJ	U	U	U
Ethylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
Isopropylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
tert-Butyl Methyl Ether	10	U	U	U	U	U	U	U	U	U	U	U	U	U
n-Butylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
n-Propylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
m,p-Xylene (Sum of Isomers)	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
Naphthalene	10	U	U	0.72 J	U	U	U	U	U	U	U	U	U	U
o-Xylene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
p-Isopropyltoluene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
sec-Butylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
tert-Butylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
Toluene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
Total VOCs		0	0	0.72	0	0	0	0	0	0	0	0	0	0

Sample Location	NYS AWQ S/GV (µg/L)	789MW-215									
Date of Collection		12/2/15	1/27/16	6/27/16	11/02/16	03/21/17	06/28/17	3/29/18	07/24/18	09/19/18	12/02/18
VOCs											
1,2,4-Trimethylbenzene	5*	0.16 J	U	U	U	U	U	U	U	U	U
1,3,5-Trimethylbenzene	5*	U	U	U	U	U	U	U	U	U	U
Benzene	1	U	U	U	U	U	U	U	U	U	U
Ethylbenzene	5*	U	U	U	U	U	U	U	U	U	U
Isopropylbenzene	5*	U	U	U	U	U	U	U	U	U	U
tert-Butyl Methyl Ether	10	U	U	U	U	U	U	U	U	U	U
n-Butylbenzene	5*	U	U	U	U	U	U	U	U	U	U
n-Propylbenzene	5*	U	U	U	U	U	U	U	U	U	U
m,p-Xylene (Sum of Isomers)	5*	U	U	U	U	U	U	U	U	U	U
Naphthalene	10	U	U	U	U	U	U	U	U	U	U
o-Xylene	5*	U	U	U	U	U	U	U	U	U	U
p-Isopropyltoluene	5*	U	U	U	U	U	U	U	U	U	U
sec-Butylbenzene	5*	U	U	U	U	U	U	U	U	U	U
tert-Butylbenzene	5*	U	U	U	U	U	U	U	U	U	U
Toluene	5*	U	U	U	U	U	U	U	U	U	U
Total VOCs		0.16	0	0	0	0	0	0	0	0	0

Table 3-4
Site SS067 Select Historical Groundwater Sampling Results (2002 - 2021)
Petroleum Spill Sites
Former Griffiss Air Force Base, Rome, New York

Sample Location	NYS AWQ S/GV (µg/L)	789MW-216												
Date of Collection		4/23/12	7/11/12	10/11/12	1/16/13	4/24/13	7/18/13	10/17/13	1/30/14	4/9/14	7/24/14	10/14/14	3/20/15	7/6/15
VOCs														
1,2,4-Trimethylbenzene	5*	54	32 J	2.6	16	14	15	2.6	0.34 J	U	0.25 J	U	U	0.23 J
1,3,5-Trimethylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
Benzene	1	U	U	U	U	U	U	0.16 J	U	U	U	U	U	U
Ethylbenzene	5*	8.6	7.8 J	1.0	5.6	3.4	3.9	2.8	0.25 J	U	0.86 J	0.48 J	U	0.21 J
Isopropylbenzene	5*	2.9	2.6 J	0.49 J	2.9	1.5	2.0	2.3	0.78 J	0.50 J	1.2	1.4	U	0.51 J
tert-Butyl Methyl Ether	10	U	U	U	U	U	U	U	U	U	U	U	U	U
n-Butylbenzene	5*	U	2.6	0.32 J	2.1	0.63 J	1.0	U	U	U	1.1	U	U	0.83 J
n-Propylbenzene	5*	6.2	4.9 J	0.68 J	4.4	2.8	4.1	2.8	U	0.39 J	1.8	1.2	U	0.41 J
m,p-Xylene (Sum of Isomers)	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
Naphthalene	10	47	34 J	11	27	14	28	50	11	8.6	23	25	6.3	16
o-Xylene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
p-Isopropyltoluene	5*	2.5	2.2	0.18 J	0.70 J	0.83 J	1.6	0.63 J	U	U	U	U	U	U
sec-Butylbenzene	5*	2.8	2.9 J	0.86 J	2.4	1.9	3.0	U	1.3	1.0	1.8	2.3	0.18 J	0.95 J
tert-Butylbenzene	5*	U	U	U	2.4	0.19 J	0.22 J	0.22 J	0.17 J	U	0.17 J	0.21 J	U	U
Toluene	5*	U	U	U	U	U	U	0.29 J	U	U	U	U	U	U
Total VOCs		124	89	17.13	63.50	39.25	58.82	61.8	13.8	10.49	30.2	30.95	6.48	19.14

Sample Location	NYS AWQ S/GV (µg/L)	789MW-216												
Date of Collection		8/24/15	12/2/15	1/27/16	6/29/16	11/02/16	3/29/17	6/29/17	11/07/17	3/28/18	7/24/18	9/19/18	4/04/19	6/20/19
VOCs														
1,2,4-Trimethylbenzene	5*	0.41 J	0.62 J	0.66 J	24	0.28 J	42	31	5.7	0.57 J	5.1 J	1.0	25	10
1,3,5-Trimethylbenzene	5*	U	U	U	U	U	U	0.21 J	U	U	U	U	U	U
Benzene	1	0.17 J	U	U	0.41 J	U	U	U	U	U	U	U	U	U
Ethylbenzene	5*	0.49 J	U	U	2.0	U	2.3	1.9	0.37 J	0.57 J	1.3 J	0.22 J	1.2	1.1
Isopropylbenzene	5*	1.0	U	0.19 J	1.6	U	1.6	1.7	0.69 J	0.89 J	1.6 J	0.24 J	1.5	1.2
tert-Butyl Methyl Ether	10	U	U	U	U	U	U	U	U	U	U	U	U	U
n-Butylbenzene	5*	U	U	0.59 J	U	U	U	U	U	U	2.1 J	U	0.76 J	0.93 J
n-Propylbenzene	5*	0.64 J	U	U	1.7	U	0.99 J	2.7	1.2	1.6 J	3.1 J	0.51 J	2.6	1.2
m,p-Xylene (Sum of Isomers)	5*	U	U	U	U	U	0.83 J	U	U	U	U	U	U	U
Naphthalene	10	28 J	2.5	4.8	54	1.3	32	44	18	9.6 J	25 J	4.1	15	11
o-Xylene	5*	U	U	U	U	U	0.49 J	U	U	U	U	U	U	0.24 J
p-Isopropyltoluene	5*	U	U	U	U	U	U	0.32 J	U	U	U	U	U	U
sec-Butylbenzene	5*	2.1	U	0.45 J	3.0	U	3.1	3.9	1.8	1.9 J	3.1 J	0.53 J	2.9	1.9
tert-Butylbenzene	5*	0.32 J	U	U	2.8	U	U	4.4	U	0.22 J	0.86 J	U	0.29 J	0.46 J
Toluene	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
Total VOCs		33.13	3.12	6.69	89.51	1.58	83.31	90.13	27.76	15.35	42.2	6.6	49.25	28.03

Sample Location	NYS AWQ S/GV (µg/L)	789MW-216								
Date of Collection		8/27/19	11/19/19	6/23/20	9/29/20	12/01/20	4/06/21	6/29/21	9/28/21	12/01/21
VOCs										
1,2,4-Trimethylbenzene	5*	2.6	2.4	0.24 J	0.45 J	1.0	16	0.40 U	1.5 U	1.5 U
1,3,5-Trimethylbenzene	5*	U	0.65 J	U	U	0.38 J	5.2	0.40 U	1.5 U	1.5 U
Benzene	1	U	U	U	U	U	U	0.40 U	0.45 U	0.45 U
Ethylbenzene	5*	0.36 J	0.18 J	U	U	U	0.42 J	0.40 U	0.75 U	0.75 U
Isopropylbenzene	5*	0.40 J	U	0.23 J	0.32 J	U	0.29 J	0.40 U	0.75 U	0.75 U
tert-Butyl Methyl Ether	10	U	U	U	U	U	U	0.80 U	0.75 U	0.75 U
n-Butylbenzene	5*	0.32 J	U	U	U	U	1.3	0.80 U	1.0 U	1.0 U
n-Propylbenzene	5*	0.56 J	U	U	U	U	0.48 J	0.40 U	1.0 U	1.0 U
m,p-Xylene (Sum of Isomers)	5*	U	0.84 J	U	U	0.29 J	5.3	0.80 U	0.80 U	0.80 U
Naphthalene	10	9.9	3.0	3.4	3.3 J	U	5.1	1.4	3.0 U	3.0 U
o-Xylene	5*	U	U	U	U	U	3.1	0.40 U	0.75 U	0.75 U
p-Isopropyltoluene	5*	U	U	U	U	U	1.0	0.40 U	1.5 U	1.5 U
sec-Butylbenzene	5*	1.6	0.61 J	1.1	0.82 J	U	1.3	0.60 J	1.5 U	1.5 U
tert-Butylbenzene	5*	0.25 J	U	U	U	U	U	0.40 U	1.0 U	1.0 U
Toluene	5*	U	U	U	U	U	0.18 J	0.40 U	0.75 U	0.75 U
Total VOCs		15.99	7.68	4.97	4.89	1.67	39.67	0.80 U	0.75 U	0.75 U

Sample Location	NYS AWQ S/GV (µg/L)	789MW-222												
Date of Collection		4/23/12	7/11/12	10/11/12	1/16/13	4/24/13	7/18/13	10/16/13	1/30/14	4/9/14	7/24/14	10/14/14	2/19/15	7/6/15
VOCs														
1,2,4-Trimethylbenzene	5*	81	42	14	U	85	U	95	13	0.31 J	24	110	100	38
1,3,5-Trimethylbenzene	5*	67	33	12	U	58	U	45	12	0.64 J	22	51	51	U
Benzene	1	86	80	29	1.3	62	2.7	32	9.9	3.3	14	19	25	11
Ethylbenzene	5*	32	30	14	U	48	U	35	13	2.3	24	50	58	29
Isopropylbenzene	5*	3.4	2.9	U	U	4.6	U	3.6	1.8	0.36 J	2.7	6.7	5.9	4.2
tert-Butyl Methyl Ether	10	U	U	U	U	U	U	U	U	U	U	U	U	U
n-Butylbenzene	5*	U	0.62 J	U	U	U	U	U	0.40 J	U	U	3.5	2.7	2.1
n-Propylbenzene	5*	4.5	4.4	2.6 J	U	6.6	U	5.5	13	0.34 J	U	10	9.2	6.2
m,p-Xylene (Sum of Isomers)	5*	130	87	49	U	240	U	210	50	6.8	78	190	210	87
Naphthalene	10	3.1	U	U	0.51 J	U	U	0.45 J	U	U	U	0.37 J	0.57 J	U
o-Xylene	5*	100	53	14	U	78	U	50	8.7	0.45 J	11	33	31	11
p-Isopropyltoluene	5*	1.9 J	1.3	2.5 J	U	11	U	4.0	1.1	U	1.6	4.7	4.1	6.9
sec-Butylbenzene	5*	1.1 J	1.2	U	U	3.1	U	2.9	1.2	0.19 J	U	3.9	U	2.4
tert-Butylbenzene	5*	U	U	U	U	0.81 J	U	U	1.8	U	U	U	U	U
Toluene	5*	3.6	3.5	U	U	2.8 Q	U	2.5	0.63 J	U	0.84 J	1.5	1.4	0.63 J
Total VOCs		513.6	338.92	137.1	1.8	599.91	2.7	485.95	126.53	14.69	178.14	483.67	498.87	198.43

Table 3-4
Site SS067 Select Historical Groundwater Sampling Results (2002 - 2021)
Petroleum Spill Sites
Former Griffiss Air Force Base, Rome, New York

Sample Location	NYS AWQ	789MW-222												
Date of Collection	S/GV	8/25/15	12/2/15	6/27/16	11/03/16	3/29/17	6/29/17	8/09/17	11/08/17	3/28/18	7/24/18	9/19/18	12/02/18	4/04/19
VOCs	(µg/L)													
1,2,4-Trimethylbenzene	5*	37	94	Free Product 0.20 ft	U	U	U	U	U	U	U	U	U	U
1,3,5-Trimethylbenzene	5*	26	55 M		U	U	U	U	U	U	U	U	U	U
Benzene	1	12	17		0.66 J	1.6 J	1.2	1.1	2	2	0.25 J	U	U	U
Ethylbenzene	5*	36 M	55 M		U	U	U	U	U	U	U	U	U	U
Isopropylbenzene	5*	4.7	7.1		U	U	U	U	U	U	U	U	U	U
tert-Butyl Methyl Ether	10	U	U		U	U	U	U	U	U	U	U	U	U
n-Butylbenzene	5*	1.3	3.5		U	U	U	U	U	U	U	U	U	U
n-Propylbenzene	5*	7.0	13		U	U	U	U	U	U	U	U	U	U
m,p-Xylene (Sum of Isomers)	5*	130	190		U	U	U	U	U	U	U	U	U	U
Naphthalene	10	0.28 J	0.28 J		U	U	U	U	U	U	0.54 J	U	U	U
o-Xylene	5*	12	19		U	U	U	U	U	U	U	U	U	U
p-Isopropyltoluene	5*	2.1	4.5		U	U	U	U	U	U	U	U	U	U
sec-Butylbenzene	5*	2.6	U		U	U	U	U	U	U	U	U	U	U
tert-Butylbenzene	5*	5.0	U		U	U	U	U	U	U	U	U	U	U
Toluene	5*	0.68 J	1.0		U	U	U	U	U	U	U	U	U	U
Total VOCs		276.66	459.38		0.66	1.6	1.2	1.1	2	2	0.8	0	0	0

Sample Location	NYS AWQ	789MW-222								
Date of Collection	S/GV	6/20/19	8/27/19	11/19/19	6/23/20	9/29/20	12/01/20	4/06/21	6/29/21	9/28/21	12/01/21
VOCs	(µg/L)										
1,2,4-Trimethylbenzene	5*	0.32 J	U	U	U	0.38 J	0.53 J	0.26 J	0.40 U	1.5 U	1.5 U
1,3,5-Trimethylbenzene	5*	U	U	U	U	U	0.24 J	U	0.40 U	1.5 U	1.5 U
Benzene	1	3.2	3.7	6.3	1.3	4.1	5.8	1.4	1.5	0.47	0.73
Ethylbenzene	5*	0.50 J	U	U	U	U	U	U	0.40 U	0.75 U	0.75 U
Isopropylbenzene	5*	0.48 J	U	U	U	U	U	U	0.40 U	0.75 U	0.75 U
tert-Butyl Methyl Ether	10	U	U	U	U	U	U	U	0.80 U	0.75 U	0.75 U
n-Butylbenzene	5*	U	U	U	U	U	U	U	0.80 U	1.0 U	1.0 U
n-Propylbenzene	5*	U	U	U	U	U	U	U	0.40 U	1.0 U	1.0 U
m,p-Xylene (Sum of Isomers)	5*	U	0.15 J	0.39 J	U	0.45 J	0.36 J	0.28 J	0.80 U	0.80 U	0.80 U
Naphthalene	10	U	0.24 J	U	U	U	U	U	0.80 U	3.0 U	3.0 U
o-Xylene	5*	0.27 J	U	U	U	U	U	U	0.40 U	0.75 U	0.75 U
p-Isopropyltoluene	5*	U	U	U	U	U	U	U	0.40 U	1.5 U	1.5 U
sec-Butylbenzene	5*	U	U	U	U	U	U	U	0.40 U	1.5 U	1.5 U
tert-Butylbenzene	5*	U	U	U	U	U	U	U	0.40 U	1.0 U	1.0 U
Toluene	5*	U	U	U	U	U	U	U	0.40 U	0.75 U	0.75 U
Total VOCs		4.77	4.09	6.69	1.3	4.93	6.93	1.94	0.80 U	0.75 U	0.75 U

Sample Location	NYS AWQ	789MW-251												
Date of Collection	S/GV	4/04/19	6/20/19	11/02/19	6/23/20	9/29/20	12/01/20	6/23/20	9/29/20	12/01/20	4/06/21	6/29/21	9/28/21	12/01/21
VOCs	(µg/L)													
1,2,4-Trimethylbenzene	5*	110	0.56 J	0.30 J	9.5	16	16	9.5	16	16	0.24 J	0.40 U	1.5 U	1.5 U
1,3,5-Trimethylbenzene	5*	53	0.74 J	U	2.9	4.6	4.6	2.9	4.6	4.6	U	0.40 U	1.5 U	1.5 U
Benzene	1	38	0.20 J	2.4	0.96 J	1.1	0.80 J	0.96 J	1.1	0.80 J	1.9	0.40 U	0.45 U	0.45 U
Ethylbenzene	5*	20	0.56 J	U	0.23 J	0.88 J	1.0	0.23 J	0.88 J	1.0	U	0.40 U	0.75 U	0.75 U
Isopropylbenzene	5*	9.5	U	U	U	0.24 J	0.24 J	U	0.24 J	0.24 J	U	0.40 U	0.75 U	0.75 U
tert-Butyl Methyl Ether	10	U	U	U	U	U	U	U	U	U	U	0.80 U	0.75 U	0.75 U
n-Butylbenzene	5*	U	U	U	U	0.55 J	0.67 J	U	0.55 J	0.67 J	U	0.80 U	1.0 U	1.0 U
n-Propylbenzene	5*	18	U	U	U	U	U	U	U	U	U	0.40 U	1.0 U	1.0 U
m,p-Xylene (Sum of Isomers)	5*	38	U	0.24 J	6.4	11	10	6.4	11	10	0.22 J	0.80 U	0.80 U	0.80 U
Naphthalene	10	69	U	U	2.6	3.8 J	4.9	2.6	3.8 J	4.9	U	0.80 U	3.0 U	3.0 U
o-Xylene	5*	23	0.87 J	0.40 J	3.1	5.6	7.2	3.1	5.6	7.2	U	0.40 U	0.75 U	0.75 U
p-Isopropyltoluene	5*	8.9	0.67 J	U	0.37 J	0.52 J	0.75 J	0.37 J	0.52 J	0.75 J	U	0.40 U	1.5 U	1.5 U
sec-Butylbenzene	5*	10	U	U	U	0.34 J	U	U	0.34 J	U	U	0.40 U	1.5 U	1.5 U
tert-Butylbenzene	5*	1.2	U	U	U	U	U	U	U	U	U	0.40 U	1.0 U	1.0 U
Toluene	5*	4.2	U	0.17 J	0.78 J	1.7	1.4	0.78 J	1.7	1.4	U	0.40 U	0.75 U	0.75 U
Total VOCs		402.8	3.6	3.51	26.84	46.33	47.56	26.84	46.33	47.56	2.36	0.80 U	0.75 U	0.75 U

Notes
Results are compared to the New York State (NYS) Department of Environmental Conservation Division of Water Technical and Operational Guidance Series (1.1.1) Ambient Water Quality (AWQ) Standards and Guidance Values (S/GV).
* - The principal organic contaminant standard for groundwater of 5 micrograms per liter (µg/L) applies to this substance.
Shaded values are above the NYS AWQ S/GV.
B - The analyte was also detected in a blank.
U - The analyte was analyzed for, but not detected. The associated numerical value is at or below the method detection limit (MDL).
M - The differences between the two recoveries are outside of the relative percent difference limit.
D - Dilution required due to high concentration of target analyte(s).
Q - One or more quality control criteria failed.
F - Analyte was positively identified above the MDL, however the concentration is below the reporting limit (RL).
J - The analyte was positively identified, the quantitation is an approximation.

♦ - Denotes higher nominal value of duplicate sample result.
Results presented in micrograms per liter (µg/L).

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Tables

Appendix B-4
SS067 (Building 789) Acetone Results (April 2019 – December 2024)

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B-4 SS067 (Building 789)
Acetone Results (April 2019 - December 2024)
Former Griffiss AFB, Rome, New York

Sample Date:	April 2019	June 2019	August 2019	November 2019	December 2020	April 2021	June 2021	September 2021	December 2021
Sample Event:	2019 Quarter 1	2019 Quarter 2	2019 Quarter 3	2019 Quarter 4	2020 Quarter 4	2021 Quarter 1	2021 Quarter 2	2021 Quarter 3	2021 Quarter 4
Location ID:	Acetone (µg/L)								
789MW-46R	**2.2 J**	NS	**17**	NS	NS	NS	6.4 UM	7.5 U	NS
789MW-83	6.4 U	**7.2 J**	**9 J**	6.4 U	6.4 U	6.4 U	6.4 U	7.5 U	7.5 U
789MW-95	**2.6 J**	NS	**6.9 J**	NS	NS	NS	6.4 U	NS	7.5 U
789MW-98	NS	NS	**470 D**	64 UM	64 UM	**300**	130 UM	**56.5 J**	7.5 U
789MW-99	6.4 UM / 6.4 UM*	6.4 UM / 6.4 UM*	**120** / 6.4 UMQ*	6.4 UM / 6.4 UM*	6.4 UM / 6.4 UM*	**54 / 54***	6.4 UM / 6.4 UM*	**54.4 J / 23.2 J***	7.5 U / 7.5 U*
789MW-102	NS	NS	26 UMQ	NS	NS	NS	26 UM	NS	7.5 U
789MW-135	NS	NS	NS	NS	NS	NS	NS	NS	NS
789MW-216	6.4 U	**5.1 J**	6.4 UQ	**2.2 J**	6.4 U	6.4 U	6.4 U	7.5 U	7.5 U
789MW-222	6.4 U	6.4 UM	6.4 UQ	**14**	6.4 UM	6.4 U	6.4 UM	7.5 U	7.5 U
789MW-251	**170**	**48**	6.4 UMQ	6.4 UM	6.4 UM	**260**	**39**	**34.4 J**	7.5 U

Sample Date:	March 2022	June 2022	August 2022	October 2022	March 2023	June 2023	September 2023	October 2023
Sample Event:	2022 Quarter 1	2022 Quarter 2	2022 Quarter 3	2022 Quarter 4	2023 Quarter 1	2023 Quarter 2	2023 Quarter 3	2023 Quarter 4
Location ID:	Acetone (µg/L)							
789MW-46R	NS	NS	**32.4**	**21 J**	NS	20 U	25.8 U	10 U
789MW-83	20 U	20 UJ	20 U	20 U / 20 U*	20 U	20 U	25 U	10 U
789MW-95	NS	NS	20 U	20 U	NS	20 U	NS	10 U
789MW-98	**244**	20 U	**112**	**549**	**49.3**	**190**	NS	20 U
789MW-99	**67.5 / 66.1***	20 U / 20 U*	**44.2**	**56**	20 U / 20 U*	20 U	25 UJ	10 U
789MW-102	NS	NS	**178**	400 U	NS	200 U	NS	NS
789MW-135	NS	NS	20 U	20 U	NS	20 U	20 U	10 U
789MW-216	20 U	20 U	20 U / 20 U*	20 UJ	20 U	20 U / 20 U*	25 U / 25 U*	10 U
789MW-222	20 U	20 U	20 U	20 U	20 U	20 U	25 U	10 U
789MW-251	20 U	**18.5 J**	**88.2**	20 U	20 U	20 U	25 U	10 U

Sample Date:	March 2024	June 2024	September 2024	December 2024
Sample Event:	2024 Quarter 1	2024 Quarter 2	2024 Quarter 3	2024 Quarter 4
Location ID:	Acetone (µg/L)			
789MW-46R	NS	20 U	NS	20 U
789MW-83	20 U	20 U	20 U	20 U
789MW-95	NS	20 U	NS	20 U
789MW-98	50 U	40 UJ	20 U	NS
789MW-99	20 U / 20 U*	20 U / 20 U*	20 U / 20 U*	20 U / 20 U*
789MW-102	NS	NS	NS	NS
789MW-135	NS	20 U	NS	20 U
789MW-216	20 U	20 U	20 U	20 U
789MW-222	20 U	20 U	20 U	20 U
789MW-251	20 U	20 U	NS	**289**

B-4 SS067 (Building 789)
Acetone Results (April 2019 - December 2024)
Former Griffiss AFB, Rome, New York

Notes:
NS = not sampled
New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (1.1.1) Ambient Water Quality (AWQ) Standards and Guidance Value (S/GV) for acetone = 50 µg/L
µg/L = micrograms per liter
D = the reported value is from a dilution
J = estimated value
M = manual integrated compound
Q = one or more quality control criteria failed
U = not detected; the compound/analyte was analyzed for, but not detected above the associated method detection limit. The non-detect is assigend the value of the Limit of Detection
UJ = target analyte was not detected above the method detection limit; however, the reported detection limit is approximate and may or may not represent the actual Limit of Detection
* = Field Duplicate
Bold = detected above laboratory Limit of Detection
Red = detected above NYSDEC AWQ S/GV

APPENDIX C
FIELD FORMS

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Appendix C-1
2024 Quarter 1 Field Forms

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GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: SS067	Location ID: 789MW-46R	Date: 3/12/24
	Project Name: NE BECOS Griffiss	Project No./Phase: -	Recorded By: B. Pollard
EQUIPMENT	Pump Type/ID#: -	Water Quality Meter/ID#: -	PID Type/ID#: -
	Water Level Indicator Type/ID#: Solinst IFP	Other Equipment/ID#: -	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): None	Other Equipment/ID#: -	PPE: Level D
WELL INFO	Casing Type / ID (in): 4" PVC SU	Unit Casing Volume (gal/lin ft) (A): 0.652	Initial Depth to Water (ft) (B): 19.28
	Total Well Depth (ft) (C): NA	Water Column Thickness (ft) (C-B):	Well Volume (gal) (A*(C-B)):
	Ambient PID (ppm): -	Well Mouth PID (ppm): -	System Volume (gal): [3 well vol]:
	Weather: Sunny 45 F	Well Condition: Good	Comments: Gauging Only, No FP

CASING INFO											
Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (Gals)	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
									-		

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units							

Conversions	Stabilization Criteria										
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%							
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%							
	Cond	+/- 10%	ORP	+/- 10	Sample ID:				Sample Time:		

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GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: SS067	Location ID: 789MW-83	Date: 3/12/24
	Project Name: Former Griffiss AFB	Project No./Phase: NA	Recorded By: ~~B. Pollard~~ E. Ashe
EQUIPMENT	Pump Type/ID#: Bailer 2" weighted	Water Quality Meter/ID#: YSI EX01	PID Type/ID#: NA
	Water Level Indicator Type/ID#: Solinst IFP	Other Equipment/ID#: NA	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): NA	Other Equipment/ID#: NA	PPE: Level D
WELL INFO	Casing Type / ID (in): 2" FM	Unit Casing Volume (gal/lin ft) (A): 0.160	Initial Depth to Water (ft) (B): 21.80
	Total Well Depth (ft) (C): 30.06	Water Column Thickness (ft) (C-B): 8.26	Well Volume (gal) (A*(C-B)): 1.35
	Ambient PID (ppm): NA	Well Mouth PID (ppm): NA	System Volume (gal): [3 well vol]: 4.04
	Weather: Sunny 50°F	Well Condition: Good	Comments: No FP detected

CASING INFO	Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
	Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (Gals)	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
03/12/24	1505	NA	~~4.04~~	NA	13.7	6.40	0.708	0.36 ~~3.0 EA~~	N/A	-77.8	~~Clear, BP~~ None

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units	3	40 mL	Glass Vial	HCl	N	8260D	VOC

Conversions	Stabilization Criteria										
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%							
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%							
	Cond	+/- 10%	ORP	+/- 10	Sample ID: 789MW-83_0324				Sample Time: 1505		

NA: not applicable

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GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: SS067	Location ID: 789MW-95	Date: 3/12/24
	Project Name: NE BECOS Griffiss	Project No./Phase: -	Recorded By: B. Pollard
EQUIPMENT	Pump Type/ID#: -	Water Quality Meter/ID#: -	PID Type/ID#: -
	Water Level Indicator Type/ID#: Solinst IFP	Other Equipment/ID#:	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in):	Other Equipment/ID#:	PPE: Level D
WELL INFO	Casing Type / ID (in): 2" PVC SU	Unit Casing Volume (gal/lin ft) (A): 0.160	Initial Depth to Water (ft) (B): 11.34
	Total Well Depth (ft) (C): 22.29	Water Column Thickness (ft) (C-B): 10.95	Well Volume (gal) (A*(C-B)): 1.79
	Ambient PID (ppm): -	Well Mouth PID (ppm): -	System Volume (gal): [3 well vol]: 5.36
	Weather: Sunny 45 F	Well Condition: Good	Comments: Gauging only, No FP

CASING INFO	Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
	Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (Gals)	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units							
Conversions	Stabilization Criteria										
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%							
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%							
	Cond	+/- 10%	ORP	+/- 10	Sample ID:				Sample Time:		

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GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: SS067	Location ID: 789MW-98-0324 BP (BD)	Date: 03/12/24
	Project Name: Former Griffiss AFB	Project No./Phase: NA	Recorded By: B. Pollard
EQUIPMENT	Pump Type/ID#: Bailer 2" weighted	Water Quality Meter/ID#: YSI EX01	PID Type/ID#: NA
	Water Level Indicator Type/ID#: Solinst IFP	Other Equipment/ID#: NA	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): NA	Other Equipment/ID#: NA	PPE: Level D
WELL INFO	Casing Type / ID (in): 4" FM	Unit Casing Volume (gal/lin ft) (A): 0.652	Initial Depth to Water (ft) (B): 11.59
	Total Well Depth (ft) (C): 19.80	Water Column Thickness (ft) (C-B): 8.21	Well Volume (gal) (A*(C-B)): 5.36
	Ambient PID (ppm): NA	Well Mouth PID (ppm): NA	System Volume (gal): [3 well vol]: 16.08
	Weather: 50°F Sunny	Well Condition: Good	Comments: well purged dry after ~5 gal. waited several hours to recharge, then sampled. No FP detected

CASING INFO	Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
	Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (Gals)	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
03/12/24	~~1600 BP~~ 1540	NA	~5 gal	NA	9.48	6.41	0.734 EA ~~1.38 EA~~	0.58	N/A	-82.6	Strong odor

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units	3	40 mL	Glass Vial	HCl	N	8260D	VOC

Conversions	Stabilization Criteria										
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%							
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%							
	Cond	+/- 10%	ORP	+/- 10	Sample ID: 789MW-98_0324				Sample Time: 1540		

NA: not applicable

bhate

GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: SS067	Location ID: 789MW-99	Date: 3/12/24
	Project Name: Former Griffiss AFB	Project No./Phase: NA	Recorded By: B. Pollard
EQUIPMENT	Pump Type/ID#: Bailer 2" weighted	Water Quality Meter/ID#: YSI EX01	PID Type/ID#: NA
	Water Level Indicator Type/ID#: Solinst IFP	Other Equipment/ID#: NA	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): NA	Other Equipment/ID#: NA	PPE: Level D
WELL INFO	Casing Type / ID (in): 4" SU	Unit Casing Volume (gal/lin ft) (A): 0.652	Initial Depth to Water (ft) (B): 17.85
	Total Well Depth (ft) (C): 27.65	Water Column Thickness (ft) (C-B): 9.80	Well Volume (gal) (A*(C-B)): ~~27.65~~ 6.40
	Ambient PID (ppm): NA	Well Mouth PID (ppm): NA	System Volume (gal): [3 well vol]: 19.19
	Weather: 45°F Sunny	Well Condition: Good	Comments: No FP detected

CASING INFO											
Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (Gals)	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
3/12/24	1400	NA	19.19	NA	10.005	6.60	0.953	1.78	~~3.76~~ NA	-133.4	None

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units	6	40 mL	Glass Vial	HCl	N	8260D	VOC

Conversions	Stabilization Criteria			
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%
	Cond	+/- 10%	ORP	+/- 10

Sample ID: 789MW-99-0324 and -A (Field Dup) Sample Time: 1400

NA: not applicable

bhate

GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: SS067	Location ID: 789MW-102	Date: 3/12/24
	Project Name: NE BECOS Griffiss	Project No./Phase: -	Recorded By: B. Pollard
EQUIPMENT	Pump Type/ID#: -	Water Quality Meter/ID#: -	PID Type/ID#: -
	Water Level Indicator Type/ID#: Solinst IFP	Other Equipment/ID#: -	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in):	Other Equipment/ID#:	PPE: Level D
WELL INFO	Casing Type / ID (in): 2" PVC SU	Unit Casing Volume (gal/lin ft) (A): 0.160	Initial Depth to Water (ft) (B): 9.94
	Total Well Depth (ft) (C): 17.84	Water Column Thickness (ft) (C-B): 7.90	Well Volume (gal) (A*(C-B)): 1.29
	Ambient PID (ppm): -	Well Mouth PID (ppm): -	System Volume (gal): [3 well vol]: 3.87
	Weather: Sunny 45 F	Well Condition: Good	Comments: Gauging Only, FP @ 8.64'

CASING INFO											
Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (Gals)	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
									-		

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units							
Conversions	Stabilization Criteria										
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%							
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%							
	Cond	+/- 10%	ORP	+/- 10	Sample ID:				Sample Time:		

bhate

GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: SS067	Location ID: 789MW-135	Date: 3/12/24
	Project Name: NE BECOS Griffiss	Project No./Phase: -	Recorded By: B. Pollard
EQUIPMENT	Pump Type/ID#: -	Water Quality Meter/ID#: -	PID Type/ID#: -
	Water Level Indicator Type/ID#: Solinst IFP	Other Equipment/ID#: -	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): -	Other Equipment/ID#: -	PPE: Level D
WELL INFO	Casing Type / ID (in): 2" PVC FM	Unit Casing Volume (gal/lin ft) (A): 0.160	Initial Depth to Water (ft) (B): 24.1
	Total Well Depth (ft) (C): 33.0	Water Column Thickness (ft) (C-B): 8.90	Well Volume (gal) (A*(C-B)): 1.45
	Ambient PID (ppm): -	Well Mouth PID (ppm): -	System Volume (gal): [3 well vol]: 4.36
	Weather: Sunny 45 F	Well Condition: Good	Comments: Gauging Only, No FP

CASING INFO										
Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (Gals)	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
									-		

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units							
Conversions	Stabilization Criteria										
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%							
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%							
	Cond	+/- 10%	ORP	+/- 10	Sample ID:				Sample Time:		

Had issues with IFP at this well. DTW may not be accurate. IFP kept giving a solid beep instead of intermittent at inconsistent depths. There clearly was no FP in this well although giving solid beep.

bhate

GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: SS067	Location ID: 789MW-216	Date: 3/12/24
	Project Name: Former Griffiss AFB	Project No./Phase: NA	Recorded By: B. Pollard
EQUIPMENT	Pump Type/ID#: Bailer 2" weighted	Water Quality Meter/ID#: YSI EX01	PID Type/ID#: NA
	Water Level Indicator Type/ID#: Solinst IFP	Other Equipment/ID#: NA	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): NA	Other Equipment/ID#: NA	PPE: Level D
WELL INFO	Casing Type / ID (in): 2" SU	Unit Casing Volume (gal/lin ft) (A): 0.160	Initial Depth to Water (ft) (B): 19.35
	Total Well Depth (ft) (C): 28.03	Water Column Thickness (ft) (C-B): 8.68	Well Volume (gal) (A*(C-B)): 1.42
	Ambient PID (ppm): NA	Well Mouth PID (ppm): NA	System Volume (gal): [3 well vol]: 4.25
	Weather: 50°F Sunny	Well Condition: Good	Comments: No FP detected

CASING INFO											
Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (Gals)	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
3/12/24	1515	NA	4.25	NA	10.431	6.70	0.559	0.52	NA	-95.7	Deep Orange & murky

Colorimeter Results					**No. Containers/Volume/Type**			**Preserv.**	**Filter (Y/N)**	**Method**	**Parameter(s)**
Time	**Analyte**	**Dilution**	**Result**	**Units**	3	40 mL	Glass Vial	HCl	N	8260D	VOC

Conversions	**Stabilization Criteria**										
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%							
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%							
	Cond	+/- 10%	ORP	+/- 10	Sample ID: 789MW-216-0324				Sample Time: 1515		

NA: not applicable

Sample was very turbid but NTU (Turbidity) was reading ~2 NTU. There must be something wrong w/ sensor or calibration. Omit all Turbidity reading from today.

bhate

GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: SS067	Location ID: 789MW- 222 ~~BP 0324~~ DP	Date: 3/12/24
	Project Name: Former Griffiss AFB	Project No./Phase: NA	Recorded By: B. Pollard
EQUIPMENT	Pump Type/ID#: Bailer 2" weighted	Water Quality Meter/ID#: YSI EX01	PID Type/ID#: NA
	Water Level Indicator Type/ID#: Solinst IFP	Other Equipment/ID#: NA	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): NA	Other Equipment/ID#: NA	PPE: Level D
WELL INFO	Casing Type / ID (in): 2" SU	Unit Casing Volume (gal/lin ft) (A): 0.16	Initial Depth to Water (ft) (B): 23.08
	Total Well Depth (ft) (C): 30.27	Water Column Thickness (ft) (C-B): 7.19	Well Volume (gal) (A*(C-B)): 1.17
	Ambient PID (ppm): NA	Well Mouth PID (ppm): NA	System Volume (gal): [3 well vol]: 3.52
	Weather: 45°F Sunny	Well Condition: Good Condition	Comments: No FP detected

CASING INFO	Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
	Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (Gals)	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
3/12/24	13:15	NA	3.52	NA	11.912	7.12	1.192	1.24	~~0~~ NA	24.2	None

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units	9	40 mL	Glass Vial	HCl	N	8260D	VOC

Conversions	Stabilization Criteria			
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%
	Cond	+/- 10%	ORP	+/- 10

Sample ID: 789MW- 222-0324 (SD & MS) MS/MSD

Sample Time: 1315

NA: not applicable

bhate

GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: SS067	Location ID: 789MW-250	Date: 3/12/24
	Project Name: NE BECOS Griffiss	Project No./Phase: -	Recorded By: B. Pollard
EQUIPMENT	Pump Type/ID#: -	Water Quality Meter/ID#: NA	PID Type/ID#: -
	Water Level Indicator Type/ID#: Solinst IFP	Other Equipment/ID#: NA	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in):	Other Equipment/ID#: NA	PPE: Level D
WELL INFO	Casing Type / ID (in): 2" PVC SU	Unit Casing Volume (gal/lin ft) (A): 0.160	Initial Depth to Water (ft) (B): 20.25
	Total Well Depth (ft) (C): 33.90	Water Column Thickness (ft) (C-B): 13.65	Well Volume (gal) (A*(C-B)): 2.23
	Ambient PID (ppm): -	Well Mouth PID (ppm): -	System Volume (gal): [3 well vol]: 6.68
	Weather: Sunny 45 F	Well Condition: Good	Comments: No FP, Gauging Only

CASING INFO										
Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (Gals)	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
									-		

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units							
Conversions	Stabilization Criteria										
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%							
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%							
	Cond	+/- 10%	ORP	+/- 10	Sample ID:				Sample Time:		

bhate

GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: SS067	Location ID: 789MW-251-0324 DP BP	Date: 03/12/24
	Project Name: Former Griffiss AFB	Project No./Phase: NA	Recorded By: B. Pollard
EQUIPMENT	Pump Type/ID#: Bailer 2" weighted	Water Quality Meter/ID#: YSI EX01	PID Type/ID#: NA
	Water Level Indicator Type/ID#: Solinst IFP	Other Equipment/ID#: NA	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): NA	Other Equipment/ID#: NA	PPE: Level D
WELL INFO	Casing Type / ID (in): 2" SU	Unit Casing Volume (gal/lin ft) (A): 0.160	Initial Depth to Water (ft) (B): 16.40
	Total Well Depth (ft) (C): 31.19	Water Column Thickness (ft) (C-B): 14.79	Well Volume (gal) (A*(C-B)): 2.41
	Ambient PID (ppm): NA	Well Mouth PID (ppm): NA	System Volume (gal): [3 well vol]: 7.24
	Weather: 50°F Sunny	Well Condition: Good	Comments: NO FP, purged well dry after 4 gals, waited several hours for recharge + then collected sample

CASING INFO											
Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (Gals)	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
03/12/24	1545	NA	~4 gals	NA	9.35	EA ~~6.70~~	0.555	0.91 ~~5.6 DP~~	N/A	15.2	Orange GW

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units	3	40 mL	Glass Vial	HCl	N	8260D	VOC
										—	

Conversions	Stabilization Criteria			
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%
	Cond	+/- 10%	ORP	+/- 10

Sample ID: 789MW-251-0324 Sample Time: 1545

NA: not applicable

bhate

GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: SS067	Location ID: 789SW-02	Date: 3/12/24
	Project Name: Former Griffiss AFB	Project No./Phase: NA	Recorded By: B. Pollard
EQUIPMENT	Pump Type/ID#: sample bucket and string	Water Quality Meter/ID#: YSI EXO1	PID Type/ID#: NA
	Water Level Indicator Type/ID#: NA	Other Equipment/ID#: NA	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): NA	Other Equipment/ID#: NA	PPE: Level D
WELL INFO	Casing Type / ID (in): NA	Unit Casing Volume (gal/lin ft) (A): NA	Initial Depth to Water (ft) (B): NA
	Total Well Depth (ft) (C): NA	Water Column Thickness (ft) (C-B): NA	Well Volume (gal) (A*(C-B)): NA
	Ambient PID (ppm): NA	Well Mouth PID (ppm): NA	System Volume (gal): NA
	Weather: Sunny 50°F	Well Condition: NA	Comments: surface water

CASING INFO											
Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (Gals)	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
3/12/24	1725	NA	NA	NA	8.614	7.11	0.387	9.63	NA	-50.5	Flow rate also taken here

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units	3	40 mL	Glass Vial	HCl	N	8260D	VOC

Conversions	Stabilization Criteria			
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%
	Cond	+/- 10%	ORP	+/- 10

Sample ID: 789SW-02_0324 Sample Time: 1725

NA: not applicable

bhate

GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: SS067	Location ID: 789SW-03	Date: 3/12/24
	Project Name: Former Griffiss AFB	Project No./Phase: NA	Recorded By: B. Pollard
EQUIPMENT	Pump Type/ID#: sample bucket and string	Water Quality Meter/ID#: YSI EXO1	PID Type/ID#: NA
	Water Level Indicator Type/ID#: NA	Other Equipment/ID#: NA	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): NA	Other Equipment/ID#: NA	PPE: Level D
WELL INFO	Casing Type / ID (in): NA	Unit Casing Volume (gal/lin ft) (A): NA	Initial Depth to Water (ft) (B): NA
	Total Well Depth (ft) (C): NA	Water Column Thickness (ft) (C-B): NA	Well Volume (gal) (A*(C-B)): NA
	Ambient PID (ppm): NA	Well Mouth PID (ppm): NA	System Volume (gal): NA
	Weather: Sunny 50°F	Well Condition: NA	Comments: surface water

CASING INFO	Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
	Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (Gals)	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
3/12/24	1715	NA	NA	NA	8.769	7.13	0.393	9.57	NA	-55.2	None

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units	3	40 mL	Glass Vial	HCl	N	8260D	VOC

Conversions	Stabilization Criteria										
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%							
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%							
	Cond	+/- 10%	ORP	+/- 10	Sample ID: 789SW-03_0324				Sample Time: 1715		

NA: not applicable

bhate

GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: SS067	Location ID: 789SW-04	Date: 3/12/24
	Project Name: Former Griffiss AFB	Project No./Phase: NA	Recorded By: B. Pollard
EQUIPMENT	Pump Type/ID#: sample bucket and string	Water Quality Meter/ID#: YSI EXO1	PID Type/ID#: NA
	Water Level Indicator Type/ID#: NA	Other Equipment/ID#: NA	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): NA	Other Equipment/ID#: NA	PPE: Level D
WELL INFO	Casing Type / ID (in): NA	Unit Casing Volume (gal/lin ft) (A): NA	Initial Depth to Water (ft) (B): NA
	Total Well Depth (ft) (C): NA	Water Column Thickness (ft) (C-B): NA	Well Volume (gal) (A*(C-B)): NA
	Ambient PID (ppm): NA	Well Mouth PID (ppm): NA	System Volume (gal): NA
	Weather: Sunny 50°F	Well Condition: NA	Comments: surface water

CASING INFO	Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
	Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (Gals)	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
3/12/24	1705	NA	NA	NA	8.695	7.19	0.395	9.65	NA	-46.0	loc furthest downstream
											—

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units	3	40 mL	Glass Vial	HCl	N	8260D	VOC

Conversions	Stabilization Criteria										
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%							
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%							
	Cond	+/- 10%	ORP	+/- 10	Sample ID: 789SW-04_0324				Sample Time: 1705		

NA: not applicable

SS067 Free Product Gauging Field Form

Date: 03-12-24

Personnel: B Pollard

Weather: sunny 45 degrees F

	Depth to FP (ft)	Depth to Water (ft)	FP Thickness (ft)
789MW-96	20.18	21.80	1.62
789MW-102	8.64	9.94	1.30
789RW-200	20.55	21.80	1.25
789RW-202	19.90	23.50	3.60
789RW-205**	18.65	19.40	0.75
789RW-219 Inner*			
789RW-219 Outer			
789MW-252	20.71	23.02	2.31
789MW-253	17.62	18.27	0.65
789MW-254	14.42	14.45	0.03

*Inner casing removed by S. Haskins on 12/1/21

** Found damaged in August 2022. Measurements made below normal measuring point.

could not open cap on 789RW-219 on 3-12-24. will try again next quarter.

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Appendix C-2
2024 Quarter 2 Field Forms

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bhate

GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: SS067	Location ID: 789MW-46R	Date: 6/20/2024
	Project Name: Former Griffiss AFB	Project No./Phase: NA	Recorded By: B. Pollard
EQUIPMENT	Pump Type/ID#: Bailer 2" weighted	Water Quality Meter/ID#: YSI EX01 (19B102521)	PID Type/ID#: NA
	Water Level Indicator Type/ID#: Solinst IFP	Other Equipment/ID#: NA	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): NA	Other Equipment/ID#: NA	PPE: Level D
WELL INFO	Casing Type / ID (in): 4" SU PVC	Unit Casing Volume (gal/lin ft) (A): 0.652	Initial Depth to Water (ft) (B): 19.09
	Total Well Depth (ft) (C): 29.41	Water Column Thickness (ft) (C-B): 10.32	Well Volume (gal) (A*(C-B)): 6.74
	Ambient PID (ppm): NA	Well Mouth PID (ppm): NA	System Volume (gal): [3 well vol]: 20.2
	Weather: partly Sunny, 85 F	Well Condition: Good	Comments: No FP

CASING INFO											
Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (Gals)	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
6/20/2024	1615	NA	20.2	NA	9.650	7.01	0.650	0.60	1340.5	-76.7	deep orange color

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units	3	40 mL	Glass Vial	HCl	N	8260D	VOC

Conversions	Stabilization Criteria										
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%							
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%							
	Cond	+/- 10%	ORP	+/- 10	Sample ID: 789MW-46R_0624				Sample Time: 1615		

NA: not applicable

bhate

GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: SS067	Location ID: 789MW-95	Date: 6/20/2024
	Project Name: Former Griffiss AFB	Project No./Phase: NA	Recorded By: B. Pollard
EQUIPMENT	Pump Type/ID#: Bailer 2" weighted	Water Quality Meter/ID#: YSI EX01 (19B102521)	PID Type/ID#: NA
	Water Level Indicator Type/ID#: Solinst IFP	Other Equipment/ID#: NA	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): NA	Other Equipment/ID#: NA	PPE: Level D
WELL INFO	Casing Type / ID (in): 2" SU PVC	Unit Casing Volume (gal/lin ft) (A): 0.160	Initial Depth to Water (ft) (B): 12.98
	Total Well Depth (ft) (C): 22.08	Water Column Thickness (ft) (C-B): 9.1	Well Volume (gal) (A*(C-B)): 1.48
	Ambient PID (ppm): NA	Well Mouth PID (ppm): NA	System Volume (gal): [3 well vol]: 4.45
	Weather: partly Sunny, 85 F	Well Condition: Good	Comments: No FP detected

CASING INFO											
Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (Gals)	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
6/20/2024	1700	NA	~2	NA	11.419	6.79	0.851	4.2	9.92	+ 80.8	Well went dry after ~2 gal
											bailed, sampled once
											recharged

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units	3	40 mL	Glass Vial	HCl	N	8260D	VOC

Conversions	Stabilization Criteria										
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%							
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%							
	Cond	+/- 10%	ORP	+/- 10	Sample ID: 789MW-95_0624				Sample Time: 1700		

NA: not applicable

bhate

GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: SS067	Location ID: 789MW-98	Date: 6/20/2024
	Project Name: Former Griffiss AFB	Project No./Phase: NA	Recorded By: B. Pollard
EQUIPMENT	Pump Type/ID#: Bailer 2" weighted	Water Quality Meter/ID#: YSI EX01 (19B102521)	PID Type/ID#: NA
	Water Level Indicator Type/ID#: Solinst IFP	Other Equipment/ID#: NA	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): NA	Other Equipment/ID#: NA	PPE: Level D
WELL INFO	Casing Type / ID (in): 4" FM PVC	Unit Casing Volume (gal/lin ft) (A): 0.652	Initial Depth to Water (ft) (B): 15.25
	Total Well Depth (ft) (C): 20.05	Water Column Thickness (ft) (C-B): 4.8	Well Volume (gal) (A*(C-B)): 3.13
	Ambient PID (ppm): NA	Well Mouth PID (ppm): NA	System Volume (gal): [3 well vol]: 9.40
	Weather: partly Sunny, 85 F	Well Condition: Good	Comments: No FP detected

CASING INFO											
Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (Gals)	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
6/20/2024	1720	NA	~4	NA	9.796	6.71	0.788	1.3	93.46	-79.0	Black/brown thick purge wtr
											Well went dry after ~4 gal
											bailed, sampled once
											recharged

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units	3	40 mL	Glass Vial	HCl	N	8260D	VOC

Conversions	Stabilization Criteria										
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%							
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%							
	Cond	+/- 10%	ORP	+/- 10	Sample ID: 789MW-98_0624				Sample Time: 1720		

NA: not applicable

bhate

GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: SS067	Location ID: 789MW-99	Date: 6/20/2024
	Project Name: Former Griffiss AFB	Project No./Phase: NA	Recorded By: B. Pollard
EQUIPMENT	Pump Type/ID#: Bailer 2" weighted	Water Quality Meter/ID#: YSI EX01 (19B102521)	PID Type/ID#: NA
	Water Level Indicator Type/ID#: Solinst IFP	Other Equipment/ID#: NA	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): NA	Other Equipment/ID#: NA	PPE: Level D
WELL INFO	Casing Type / ID (in): 4" SU PVC	Unit Casing Volume (gal/lin ft) (A): 0.652	Initial Depth to Water (ft) (B): 17.06
	Total Well Depth (ft) (C): 27.11	Water Column Thickness (ft) (C-B): 10.05	Well Volume (gal) (A*(C-B)): 6.56
	Ambient PID (ppm): NA	Well Mouth PID (ppm): NA	System Volume (gal): [3 well vol]: 19.68
	Weather: partly Sunny, 85 F	Well Condition: good	Comments: No FP, Field Duplicate

CASING INFO											
Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (Gals)	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
6/20/2024	1440	NA	19.68	NA	9.780	6.84	0.975	1.40	9.69	-62.0	None

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units	6	40 mL	Glass Vial	HCl	N	8260D	VOC
Conversions	Stabilization Criteria										
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%							
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%							
	Cond	+/- 10%	ORP	+/- 10	Sample ID: 789MW-99_0624 and "-A"				Sample Time: 1440		

NA: not applicable

bhate

GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: SS067	Location ID: 789MW-102	Date: 6/21/2024
	Project Name: Former Griffiss AFB	Project No./Phase: NA	Recorded By: B. Pollard
EQUIPMENT	Pump Type/ID#: NA	Water Quality Meter/ID#: NA	PID Type/ID#: NA
	Water Level Indicator Type/ID#: Solinst IFP	Other Equipment/ID#: NA	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): NA	Other Equipment/ID#: NA	PPE: Level D
WELL INFO	Casing Type / ID (in): 2" SU PVC	Unit Casing Volume (gal/lin ft) (A): 0.160	Initial Depth to Water (ft) (B): 10.60
	Total Well Depth (ft) (C): 17.70	Water Column Thickness (ft) (C-B): 7.10	Well Volume (gal) (A*(C-B)): 1.16
	Ambient PID (ppm): NA	Well Mouth PID (ppm): NA	System Volume (gal): [3 well vol]: 3.48
	Weather: partly Sunny, 85 F	Well Condition: good	Comments: FP detected at 9.27' btoc

CASING INFO	Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
	Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (Gals)	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
6/21/2024	0900	NA	NA	NA	NA	NA	NA	NA	NA	NA	FP detected so did not take groundwater sample

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units							
Conversions	Stabilization Criteria										
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%							
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%							
	Cond	+/- 10%	ORP	+/- 10	Sample ID: NA				Sample Time: NA		

NA: not applicable

bhate

GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: SS067	Location ID: 789MW-135	Date: 6/21/2024
	Project Name: Former Griffiss AFB	Project No./Phase: NA	Recorded By: B. Pollard
EQUIPMENT	Pump Type/ID#: Bailer 2" weighted	Water Quality Meter/ID#: YSI EX01 (19B102521)	PID Type/ID#: NA
	Water Level Indicator Type/ID#: Solinst IFP	Other Equipment/ID#: NA	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): NA	Other Equipment/ID#: NA	PPE: Level D
WELL INFO	Casing Type / ID (in): 2" FM PVC	Unit Casing Volume (gal/lin ft) (A): 0.160	Initial Depth to Water (ft) (B): 26.17
	Total Well Depth (ft) (C): 33.18	Water Column Thickness (ft) (C-B): 7.01	Well Volume (gal) (A*(C-B)): 1.14
	Ambient PID (ppm): NA	Well Mouth PID (ppm): NA	System Volume (gal): [3 well vol]: 3.43
	Weather: partly Sunny, 85 F	Well Condition: good	Comments: No FP detected

CASING INFO											
Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (Gals)	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
6/21/2024	1050	NA	3.43	NA	12.302	7.05	0.535	6.0	156.46	+ 122.6	None

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units	3	40 mL	Glass Vial	HCl	N	8260D	VOC

Conversions	Stabilization Criteria										
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%							
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%							
	Cond	+/- 10%	ORP	+/- 10	Sample ID: 789MW-135_0624				Sample Time: 1050		

NA: not applicable

bhate

GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: SS067	Location ID: 789MW-216	Date: 6/21/2024
	Project Name: Former Griffiss AFB	Project No./Phase: NA	Recorded By: B. Pollard
EQUIPMENT	Pump Type/ID#: Bailer 2" weighted	Water Quality Meter/ID#: YSI EX01 (19B102521)	PID Type/ID#: NA
	Water Level Indicator Type/ID#: Solinst IFP	Other Equipment/ID#: NA	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): NA	Other Equipment/ID#: NA	PPE: Level D
WELL INFO	Casing Type / ID (in): 2" SU PVC	Unit Casing Volume (gal/lin ft) (A): 0.160	Initial Depth to Water (ft) (B): 19.27
	Total Well Depth (ft) (C): 28.80	Water Column Thickness (ft) (C-B): 9.53	Well Volume (gal) (A*(C-B)): 1.56
	Ambient PID (ppm): NA	Well Mouth PID (ppm): NA	System Volume (gal): [3 well vol]: 4.67
	Weather: partly Sunny, 85 F	Well Condition: good	Comments: No FP detected

CASING INFO											
Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (Gals)	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
6/21/2024	1010	NA	4.67	NA	12.566	6.95	0.487	1.1	58.09	-76.2	None

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units	3	40 mL	Glass Vial	HCl	N	8260D	VOC
Conversions	Stabilization Criteria										
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%							
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%							
	Cond	+/- 10%	ORP	+/- 10	Sample ID: 789MW-216_0624				Sample Time: 1010		

NA: not applicable

bhate

GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: SS067	Location ID: 789MW-222	Date: 6/21/2024
	Project Name: Former Griffiss AFB	Project No./Phase: NA	Recorded By: B. Pollard
EQUIPMENT	Pump Type/ID#: Bailer 2" weighted	Water Quality Meter/ID#: YSI EX01 (19B102521)	PID Type/ID#: NA
	Water Level Indicator Type/ID#: Solinst IFP	Other Equipment/ID#: NA	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): NA	Other Equipment/ID#: NA	PPE: Level D
WELL INFO	Casing Type / ID (in): 2" SU PVC	Unit Casing Volume (gal/lin ft) (A): 0.160	Initial Depth to Water (ft) (B): 22.69
	Total Well Depth (ft) (C): 30.29	Water Column Thickness (ft) (C-B): 7.6	Well Volume (gal) (A*(C-B)): 1.24
	Ambient PID (ppm): NA	Well Mouth PID (ppm): NA	System Volume (gal): [3 well vol]: 3.72
	Weather: partly Sunny, 85 F	Well Condition: good	Comments: MS/MSD and no FP detected

CASING INFO											
Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (Gals)	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
6/21/2024	1100	NA	3.72	NA	13.713	7.48	1.034	2.4	0.90	+ 52.6	None

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units	9	40 mL	Glass Vial	HCl	N	8260D	VOC
Conversions	Stabilization Criteria										
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%							
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%							
	Cond	+/- 10%	ORP	+/- 10	Sample ID: 789MW-222_0624 and "-MS" "-SD"				Sample Time: 1100		

NA: not applicable

bhate

GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: SS067	Location ID: 789MW-250	Date: 6/21/2024
	Project Name: Former Griffiss AFB	Project No./Phase: NA	Recorded By: B. Pollard
EQUIPMENT	Pump Type/ID#: Bailer 2" weighted	Water Quality Meter/ID#: NA	PID Type/ID#: NA
	Water Level Indicator Type/ID#: Solinst IFP	Other Equipment/ID#: NA	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): NA	Other Equipment/ID#: NA	PPE: Level D
WELL INFO	Casing Type / ID (in): 2" SU PVC	Unit Casing Volume (gal/lin ft) (A): 0.160	Initial Depth to Water (ft) (B): 19.88
	Total Well Depth (ft) (C): 33.91	Water Column Thickness (ft) (C-B): 14.03	Well Volume (gal) (A*(C-B)): 2.29
	Ambient PID (ppm): NA	Well Mouth PID (ppm): NA	System Volume (gal): [3 well vol]: 6.87
	Weather: partly Sunny, 85 F	Well Condition: good	Comments: Gauging only, No FP detected

CASING INFO											
Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (Gals)	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
6/21/2024	1200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units							
Conversions	Stabilization Criteria										
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%							
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%							
	Cond	+/- 10%	ORP	+/- 10	Sample ID: NA				Sample Time: NA		

NA: not applicable

bhate

GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: SS067	Location ID: 789MW-251	Date: 6/20/2024
	Project Name: Former Griffiss AFB	Project No./Phase: NA	Recorded By: B. Pollard
EQUIPMENT	Pump Type/ID#: Bailer 2" weighted	Water Quality Meter/ID#: YSI EX01 (19B102521)	PID Type/ID#: NA
	Water Level Indicator Type/ID#: Solinst IFP	Other Equipment/ID#: NA	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): NA	Other Equipment/ID#: NA	PPE: Level D
WELL INFO	Casing Type / ID (in): 2" PVC SU	Unit Casing Volume (gal/lin ft) (A): 0.160	Initial Depth to Water (ft) (B): 21.27
	Total Well Depth (ft) (C): 31.16	Water Column Thickness (ft) (C-B): 9.89	Well Volume (gal) (A*(C-B)): 1.61
	Ambient PID (ppm): NA	Well Mouth PID (ppm): NA	System Volume (gal): [3 well vol]: 4.84
	Weather: partly Sunny, 85 F	Well Condition: Good	Comments: No FP detected

CASING INFO											
Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (Gals)	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
6/20/2024	1705	NA	~2	NA	10.193	6.73	0.694	2.9	2.17	+ 38.7	Well went dry after ~2 gal
											bailed, sampled once
											recharged

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units	3	40 mL	Glass Vial	HCl	N	8260D	VOC

Conversions	Stabilization Criteria										
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%							
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%							
	Cond	+/- 10%	ORP	+/- 10	Sample ID: 789MW-251_0624				Sample Time: 1705		

NA: not applicable

bhate

GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: SS067	Location ID: 789SW-02	Date: 6/21/2024
	Project Name: Former Griffiss AFB	Project No./Phase: NA	Recorded By: B. Pollard
EQUIPMENT	Pump Type/ID#: sample bucket and string	Water Quality Meter/ID#: YSI EX01 (19B102521)	PID Type/ID#: NA
	Water Level Indicator Type/ID#: NA	Other Equipment/ID#: NA	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): NA	Other Equipment/ID#: NA	PPE: Level D
WELL INFO	Casing Type / ID (in): NA	Unit Casing Volume (gal/lin ft) (A): NA	Initial Depth to Water (ft) (B): NA
	Total Well Depth (ft) (C): NA	Water Column Thickness (ft) (C-B): NA	Well Volume (gal) (A*(C-B)): NA
	Ambient PID (ppm): NA	Well Mouth PID (ppm): NA	System Volume (gal): NA
	Weather: partly Sunny, 85 F	Well Condition: NA	Comments: surface water

CASING INFO											
Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (Gals)	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
6/21/2024	0830	NA	NA	NA	18.247	7.50	0.548	8.6	19.65	+ 43.4	None

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units	3	40 mL	Glass Vial	HCl	N	8260D	VOC

Conversions	Stabilization Criteria										
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%							
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%							
	Cond	+/- 10%	ORP	+/- 10	Sample ID: 789SW-02_0624				Sample Time: 0830		

NA: not applicable
Surface water flow rate approximately 1.1 feet/second

bhate

GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: SS067	Location ID: 789SW-03	Date: 6/21/2024
	Project Name: Former Griffiss AFB	Project No./Phase: NA	Recorded By: B. Pollard
EQUIPMENT	Pump Type/ID#: sample bucket and string	Water Quality Meter/ID#: YSI EX01 (19B102521)	PID Type/ID#: NA
	Water Level Indicator Type/ID#: NA	Other Equipment/ID#: NA	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): NA	Other Equipment/ID#: NA	PPE: Level D
WELL INFO	Casing Type / ID (in): NA	Unit Casing Volume (gal/lin ft) (A): NA	Initial Depth to Water (ft) (B): NA
	Total Well Depth (ft) (C): NA	Water Column Thickness (ft) (C-B): NA	Well Volume (gal) (A*(C-B)): NA
	Ambient PID (ppm): NA	Well Mouth PID (ppm): NA	System Volume (gal): NA
	Weather: partly Sunny, 85 F	Well Condition: NA	Comments: surface water

CASING INFO											
Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (Gals)	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
6/21/2024	0840	NA	NA	NA	19.382	7.53	0.566	8.7	9.99	+ 8.7	None

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units	3	40 mL	Glass Vial	HCl	N	8260D	VOC
Conversions	Stabilization Criteria										
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%							
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%							
	Cond	+/- 10%	ORP	+/- 10	Sample ID: 789SW-03_0624				Sample Time: 0840		

NA: not applicable

bhate

GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: SS067	Location ID: 789SW-04	Date: 6/21/2024
	Project Name: Former Griffiss AFB	Project No./Phase: NA	Recorded By: B. Pollard
EQUIPMENT	Pump Type/ID#: sample bucket and string	Water Quality Meter/ID#: YSI EX01 (19B102521)	PID Type/ID#: NA
	Water Level Indicator Type/ID#: NA	Other Equipment/ID#: NA	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): NA	Other Equipment/ID#: NA	PPE: Level D
WELL INFO	Casing Type / ID (in): NA	Unit Casing Volume (gal/lin ft) (A): NA	Initial Depth to Water (ft) (B): NA
	Total Well Depth (ft) (C): NA	Water Column Thickness (ft) (C-B): NA	Well Volume (gal) (A*(C-B)): NA
	Ambient PID (ppm): NA	Well Mouth PID (ppm): NA	System Volume (gal): NA
	Weather: partly Sunny, 85 F	Well Condition: NA	Comments: surface water

CASING INFO											
Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (Gals)	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
6/21/2024	0850	NA	NA	NA	17.553	7.64	0.556	8.6	9.58	+ 43.6	None

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units	3	40 mL	Glass Vial	HCl	N	8260D	VOC

Conversions	Stabilization Criteria										
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%							
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%							
	Cond	+/- 10%	ORP	+/- 10	Sample ID: 789SW-04_0624				Sample Time: 0850		

NA: not applicable

SS067 Free Product Gauging Field Form

Date: 06-21-24

Personnel: B Pollard

Weather: sunny 85 degrees F

	Depth to FP (ft)	Depth to Water (ft)	FP Thickness (ft)
789MW-96	19.57	20.92	1.35
789MW-102	9.27	10.60	1.33
789RW-200	20.13	21.82	1.69
789RW-202	20.47	22.68	2.21
789RW-205**	18.23	18.38	0.15
789RW-219 Inner*	-	-	-
789RW-219 Outer	18.04	20.34	2.30
789MW-252	20.55	22.36	1.81
789MW-253	17.17	17.75	0.58
789MW-254	-	17.85	0.00

*Inner casing removed by S. Haskins on 12/1/21

** Found damaged in August 2022. Measurements made below normal measuring point.

Appendix C-3
2024 Quarter 3 Field Forms

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WELL PURGING & SAMPLING FORM

Project: Griffiss AFB Sampled by: NS

Location and Site Code (**SITEID**): SS0607 / 789

Well No. (**LOCID**): 789MW-83 Well Diameter (**SDIAM**): 2 in

Date (**LOGDATE**): 9/25/2024 Weather: Rain/overcast / 53°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

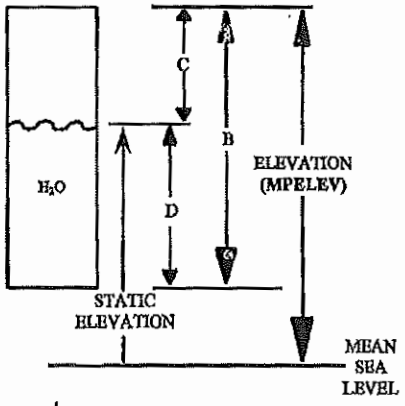
Measured Well Depth (B) (**TOTDEPTH**) 30.0 ft.

Measured Water Level Depth (C) (**STATDEP**) 22.02 ft.

Length of Static Water Column (D) = 30.0 (B) - 22.02 (C) = 7.98 (D) ft.

Casing Water Volume (E) = 0.16 (A) x 7.98 (D) = 1.27 gal

Minimum Purge Volume = 3.83 gal (3 well volumes)



Purge Date and Method: 9/25/2024 / Bailer

Physical Appearance/Comments: flush mount; missing 2 eartabs

FIELD MEASUREMENTS:

Allowable Range: ± 0.1 ± 5% ±1°C

Time	Volume Removed (gal)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)
1400	~0.75	7.09	0.43	16.38	65.42	6.31	13.3
1405	~0.75	7.06	0.44	16.41	75.13	6.72	-9.6
1410	~0.75	7.02	0.43	16.42	53.18	6.78	-20.1
1415	~0.75	7.05	0.47	16.35	123.06	5.15	-29.2
1420	~0.75	7.00	0.49	16.03	103.74	4.52	-37.0
1426	Sampled						
	3.83 gallons	purged total					

Sample Time: 1426 Sample ID: 789MW-83_0924

Note: Attempt to get at least 5 sets of field measurements during purging. Sample may be collected after 3 to 5 well volumes have been removed and parameters have stabilized. Sample may be collected after 6 well volumes if parameters do not stabilize. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM

Project: Griffiss AFB Sampled by: AS

Location and Site Code (SITEID): SS067/789

Well No. (LOCID): 789MW-98 Well Diameter (SDIAM): 4in

Date (LOGDATE): 9/25/24 Weather: Overcast / 55°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

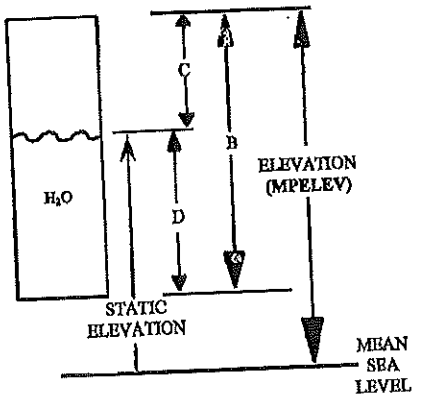
Measured Well Depth (B) (TOTDEPTH) 19.84 ft.

Measured Water Level Depth (C) (STATDEP) 16.9 ft.

Length of Static Water Column (D) = 19.84 (B) - 16.9 (C) = 2.94 (D) ft.

Casing Water Volume (E) = 0.65 (A) x 2.94 (D) = 1.91 gal

Minimum Purge Volume = 5.73 gal (3 well volumes)



Purge Date and Method: 9/25/2024 - Baiting

Physical Appearance/Comments: good working condition

FIELD MEASUREMENTS:

Allowable Range: ± 0.1 ± 5% ±1°C

Time	Volume Removed (gal)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	
1456	~ 1.2	6.83	0.75	14.34	260.28	4.17	-101.3	
1455	~ 1.2	6.81	0.75	13.70	183.31	5.42	-107.7	
1500	~ 1.2	6.81	0.75	13.65	200.76	5.70	-111.8	low water level - recharge time
1515	~ 1.2	6.85	0.74	13.35	385.33	5.63	-103.3	
1535	~ 1.2	6.83	0.75	13.06	411.06	5.13	-107.6	
1539	Sampled							
	~ 6.0 gal	removed total						

Sample Time: 1539 Sample ID: 789MW-98-0924

Note: Attempt to get at least 5 sets of field measurements during purging. Sample may be collected after 3 to 5 well volumes have been removed and parameters have stabilized. Sample may be collected after 6 well volumes if parameters do not stabilize. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM

Project: Griffiss AFB Sampled by: AS

Location and Site Code (**SITEID**): SS067 / 789

Well No. (**LOCID**): 789MW-99 Well Diameter (**SDIAM**): 4in

Date (**LOGDATE**): 9/25/24 Weather: Rain, 53°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

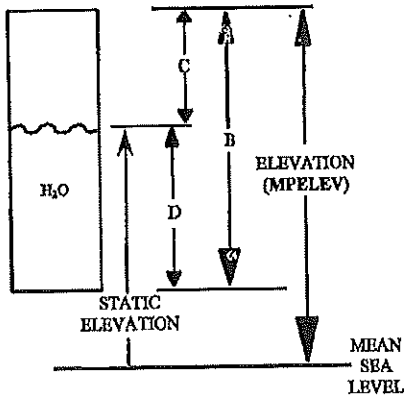
Measured Well Depth (B) (**TOTDEPTH**) 27.1 ft.

Measured Water Level Depth (C) (**STATDEP**) 18.3 ft.

Length of Static Water Column (D) = 27.1 (B) - 18.3 (C) = 8.8 (D) ft.

Casing Water Volume (E) = 0.65 (A) x 8.8 (D) = 5.72 gal

Minimum Purge Volume = 17.1 gal (3 well volumes)



Purge Date and Method: 9/25/2024 - Bailer

Physical Appearance/Comments: good condition

FIELD MEASUREMENTS:

Allowable Range: ± 0.1 ± 5% ±1°C

Time	Volume Removed (gal)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)
1120	~3 gal	6.64	0.99	13.75	75.21	3.83	-142.7
1130	~3 gal	6.98	0.96	12.97	28.22	5.04	-141.1
1145	~3 gal	7.04	0.91	12.94	53.16	5.68	-149.8
1200	~3	7.10	0.89	12.87	89.91	6.30	-147.7
1215	~3	7.16	0.87	12.98	121.71	7.08	-148.0
1221	Sampled 17.1 gal total	removed					

Sample Time: 1221 Sample ID: 789MW-99-0924

1223 @ DUP; 789MW-99-0924-A

Note: Attempt to get at least 5 sets of field measurements during purging. Sample may be collected after 3 to 5 well volumes have been removed and parameters have stabilized. Sample may be collected after 6 well volumes if parameters do not stabilize. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM

Project: Griffiss Former AFB Sampled by: GW/AS

Location and Site Code (**SITEID**): SS067

Well No. (**LOCID**): 789MW-216 Well Diameter (**SDIAM**): 4.0 in

Date (**LOGDATE**): 9/26/2024 Weather: 62°, Rainy

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

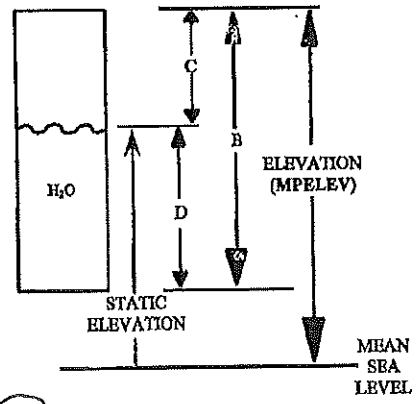
Measured Well Depth (B) (**TOTDEPTH**) 28.94 ft.

Measured Water Level Depth (C) (**STATDEP**) 20.40 ft.

Length of Static Water Column (D) = 28.94 (B) - 20.40 (C) = 8.54 (D) ft.

Casing Water Volume (E) = 0.16 (A) x 8.54 (D) = 1.3664 gal

Minimum Purge Volume = 4.0992 gal (3 well volumes)



Purge Date and Method: 9/26/2024 / Bailer

Physical Appearance/Comments: _____

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 5%	±1°C			
Time	Volume Removed (gal)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)
1234	0.6	7.14	0.49	17.69	561.34	2.77	-151.0
1237	1.0	7.13	0.49	17.38	285.70	3.85	-138.2
1242	2.0	7.11	0.49	17.25	221.43	4.24	-132.4
1245	3.1	7.11	0.49	17.24	213.30	4.28	-133.1
1248	4.1	7.12	0.48	17.24	295.40	6.68	-131.6

Sample Time: 1252 Sample ID: 789MW-216_0924

Note: Attempt to get at least 5 sets of field measurements during purging. Sample may be collected after 3 to 5 well volumes have been removed and parameters have stabilized. Sample may be collected after 6 well volumes if parameters do not stabilize. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM

Project: Griffiss AFB Sampled by: AS

Location and Site Code (**SITEID**): SS067/789

Well No. (**LOCID**): 789MW-222 Well Diameter (**SDIAM**): 2in

Date (**LOGDATE**): 9/25/24 Weather: Rain, 55°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

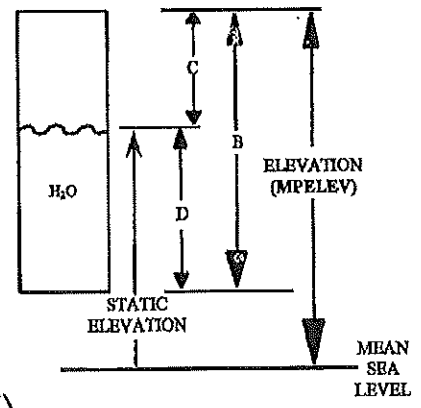
Measured Well Depth (B) (**TOTDEPTH**) 30.28 ft.

Measured Water Level Depth (C) (**STATDEP**) 23.16 ft.

Length of Static Water Column (D) = (B) 30.28 - (C) 23.16 = (D) 7.12 ft.

Casing Water Volume (E) = (A) 0.16 x (D) 7.12 = 1.13 gal

Minimum Purge Volume = 3.41 gal (3 well volumes)



Purge Date and Method: Bailer (9/25/24)

Physical Appearance/Comments: good, j-plug + locked

FIELD MEASUREMENTS:

Allowable Range: ± 0.1 ± 5% ±1°C

Time	Volume Removed (gal)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)
1305	~0.75	7.39	1.27	14.63	36.34	3.80	-6.9
1310	~0.75	7.49	1.11	14.73	5.84	4.74	-31.0
1315	~0.75	7.54	1.04	14.76	6.14	3.75	-44.6
1320	~0.75	7.54	1.02	14.70	46.37	3.72	-43.2
1325	~0.75	7.57	1.02	14.38	26.41	4.29	-45.2
1331	Sampled						
	3.75 gallons removed total						

Sample Time: 1331 Sample ID: 789MW-222-0924

MS/MSD

Note: Attempt to get at least 5 sets of field measurements during purging. Sample may be collected after 3 to 5 well volumes have been removed and parameters have stabilized. Sample may be collected after 6 well volumes if parameters do not stabilize. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM

Project: Griffiss Former AFB Sampled by: GW/AS

Location and Site Code (**SITEID**): SS067

Well No. (**LOCID**): 189MW-251 Well Diameter (**SDIAM**): 4.0in

Date (**LOGDATE**): 9/26/2024 Weather: 64° GW Cloudy Rainy

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

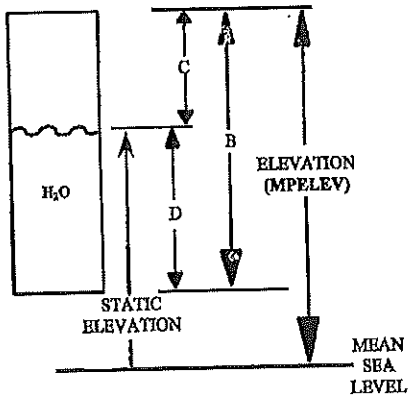
Measured Well Depth (B) (**TOTDEPTH**) 30.95 ft.

Measured Water Level Depth (C) (**STATDEP**) 22.21 ft.

Length of Static Water Column (D) = 30.95 (B) - 22.21 (C) = 8.74 (D) ft.

Casing Water Volume (E) = ~~30.9~~ GW 0.16 (A) x 8.74 (D) = 1.40 gal

Minimum Purge Volume = 4.20 gal (3 well volumes)



Purge Date and Method: 9/26/2024 / Bailer

Physical Appearance/Comments: GW ~~Smells like gasoline~~ Clear, no odor

FIELD MEASUREMENTS:

Allowable Range: ± 0.1 ± 5% ±1°C

Time	Volume Removed (gal)	pH	EC (mS/cm)	Temp (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)
1202	0.8	6.81	0.77	14.99	40.30	3.99	-92.5
	WELL DRY						
	Sample collected next day						

Sample Time: 0914 Sample ID: 189MW-251_0924

Note: Attempt to get at least 5 sets of field measurements during purging. Sample may be collected after 3 to 5 well volumes have been removed and parameters have stabilized. Sample may be collected after 6 well volumes if parameters do not stabilize. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

DRY

WELL PURGING & SAMPLING FORM

Project: Grissom Farms AFB Sampled by: GWIAS

Location and Site Code (**SITEID**): 35067

Well No. (**LOCID**): 789SW-02 Well Diameter (**SDIAM**): —

Date (**LOGDATE**): 9/26/2024 Weather: 68° + Cloudy

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

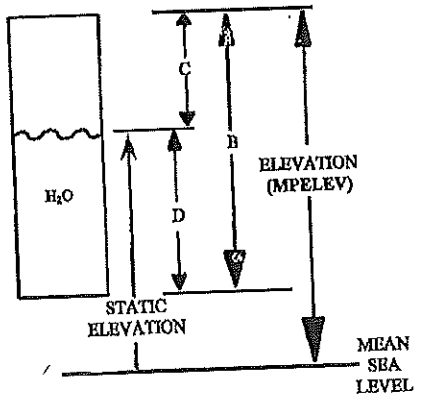
Measured Well Depth (B) (**TOTDEPTH**) — ft.

Measured Water Level Depth (C) (**STATDEP**) — ft.

Length of Static Water Column (D) = — (B) - — (C) = — (D) ft.

Casing Water Volume (E) = — (A) x — (D) = — gal

Minimum Purge Volume = — gal (3 well volumes)



Purge Date and Method: 9/26/2024 | Bailer

Physical Appearance/Comments: Clear, no odor

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 5%	±1°C			
Time	Volume Removed (gal)	pH	EC (mS/cm)	Temp (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)
1342	—	7.73	0.27	17.87	0.00	8.57	-7.5

Sample Time: 1548 Sample ID: 789SW-02_0924

Note: Attempt to get at least 5 sets of field measurements during purging. Sample may be collected after 3 to 5 well volumes have been removed and parameters have stabilized. Sample may be collected after 6 well volumes if parameters do not stabilize. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM

Project: Griffiss Former AFB Sampled by: GWIAS

Location and Site Code (**SITEID**): SS007

Well No. (**LOCID**): 789SW-03 Well Diameter (**SDIAM**): —

Date (**LOGDATE**): 9/26/2024 Weather: C68°, Cloudy

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

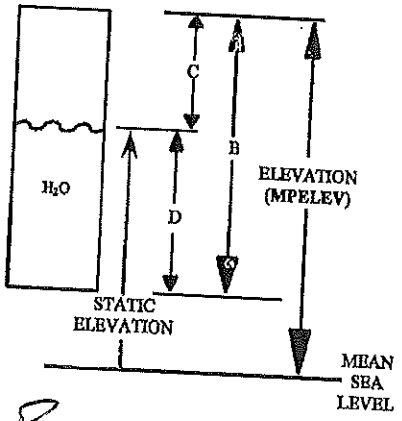
Measured Well Depth (B) (**TOTDEPTH**) — ft.

Measured Water Level Depth (C) (**STATDEP**) — ft.

Length of Static Water Column (D) = — (B) - — (C) = — (D) ft.

Casing Water Volume (E) = — (A) x — (D) = — gal

Minimum Purge Volume = — gal (3 well volumes)



Purge Date and Method: 9/26/2024 / Bailer

Physical Appearance/Comments: clear, no odor

FIELD MEASUREMENTS:

Allowable Range: ± 0.1 ± 5% ±1°C

Time	Volume Removed (gal)	pH	EC (mS/cm)	Temp (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)
1601	—	7.70	0.28	18.60	20.49	8.36	-32.9

Sample Time: 1604 Sample ID: 789SW-03_0924

Note: Attempt to get at least 5 sets of field measurements during purging. Sample may be collected after 3 to 5 well volumes have been removed and parameters have stabilized. Sample may be collected after 6 well volumes if parameters do not stabilize. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM

Project: Griffiss Former AFB Sampled by: GW/AS

Location and Site Code (**SITEID**): SS067

Well No. (**LOCID**): 789SW-04 Well Diameter (**SDIAM**): —

Date (**LOGDATE**): 9/26/2024 Weather: 68°, Cloudy

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

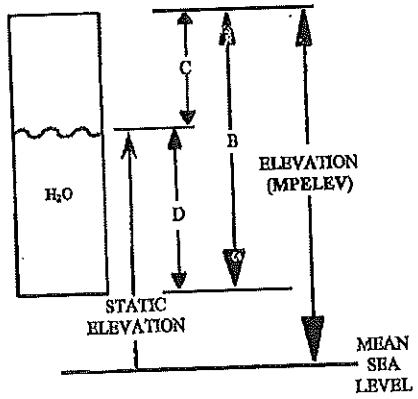
Measured Well Depth (B) (**TOTDEPTH**) — ft.

Measured Water Level Depth (C) (**STATDEP**) — ft.

Length of Static Water Column (D) = — (B) - — (C) = — (D) ft.

Casing Water Volume (E) = — (A) x — (D) = — gal

Minimum Purge Volume = — gal (3 well volumes)



Purge Date and Method: 9/26/2024 / Bailer

Physical Appearance/Comments: Clear, no odor

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 5%	±1°C			
Time	Volume Removed (gal)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)
1616	—	7.74	0.28	19.78	0.00	8.42	12.9

Sample Time: 1618 Sample ID: 789SW-04_0924

Note: Attempt to get at least 5 sets of field measurements during purging. Sample may be collected after 3 to 5 well volumes have been removed and parameters have stabilized. Sample may be collected after 6 well volumes if parameters do not stabilize. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

SS067 Free Product Gauging and Bailing Field Form

Date: 10/21/2024
Personnel: Gavin Wilbert
Weather: 65 degrees Farenheit

	Before Bailing			FP Volume Recovered (gal)	After Bailing		
	Depth to FP (ft)	Depth to Water (ft)	FP Thickness (ft)		Depth to FP (ft)	Depth to Water (ft)	FP Thickness (ft)
789MW-96	22.75	22.89	0.14	-	-	-	-
789MW-102	-	10.02	-	-	-	-	-
789RW-200	21.03	22.71	1.68	3.00	23.50	24.10	0.60
789RW-202	18.50	21.40	2.90	2.00	21.90	22.81	0.91
789RW-205**	-	19.10	-	-	-	-	-
789RW-219 Inner*	-	-	-	-	-	-	-
789RW-219 Outer	18.90	22.01	2.11	2.00	21.61	22.35	0.74
789MW-252	21.78	23.23	1.45	1.00	23.21	23.51	0.36
789MW-253	-	18.51	-	-	-	-	-
789MW-254	20.60	24.26	3.66	1.50	22.42	22.80	0.38

*Inner casing removed by S. Haskins on 12/1/21

** Found damaged in August 2022. Measurements made below normal measuring point.

Appendix C-4
2024 Quarter 4 Field Forms

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WELL PURGING & SAMPLING FORM

Project: Former Griffis AFB Sampled by: A. Mercer, E. Wilbert

Location and Site Code (**SITEID**): 550607

Well No. (**LOCID**): FB9MW-46R Well Diameter (**SDIAM**): 4in

Date (**LOGDATE**): 12/17/24 Weather: Overcast, windy 47°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

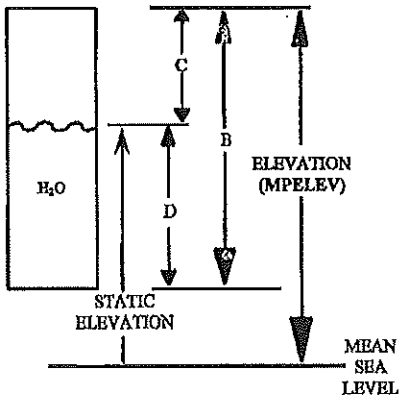
Measured Well Depth (B) (**TOTDEPTH**) 30.00 ft.

Measured Water Level Depth (C) (**STATDEP**) 21.56 ft.

Length of Static Water Column (D) = 30.00 (B) - 21.56 (C) = 8.44 (D) ft.

Casing Water Volume (E) = 0.65 (A) x 8.44 (D) = 5.49 gal

Minimum Purge Volume = 16.47 gal (3 well volumes)



Purge Date and Method: 12/17/24 bailing

Physical Appearance/Comments: Groundwater orange in color, smears of sediment on bailer

FIELD MEASUREMENTS:

Allowable Range: ± 0.1 ± 5% ±1°C

Time	Volume Removed (gal)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)
1316	5.4	6.84	0.62	11.18	411.00e 411.78	3.39	-103.1
1320	10.8	6.76	0.61	11.25	968.96	4.92	-92.4
1323	16.2	6.74	0.60	10.96	1256.70	6.01	-86.0
1326	21.6	6.68	0.60	10.97	2,588.2	8.42	-60.8
1330	27.0	6.72	0.59	10.67	2,750.3	6.78	-71.2

Sample Time: 1332 Sample ID: FB9MW-46R_1224

Note: Attempt to get at least 5 sets of field measurements during purging. Sample may be collected after 3 to 5 well volumes have been removed and parameters have stabilized. Sample may be collected after 6 well volumes if parameters do not stabilize. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM

Project: Former Griffiss AFB Sampled by: A. Mercer, G. Wilbert

Location and Site Code (**SITEID**): SSOL7

Well No. (**LOCID**): 789MW-83 Well Diameter (**SDIAM**): 2 in

Date (**LOGDATE**): 12/17/24 Weather: Overcast, windy, 41°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

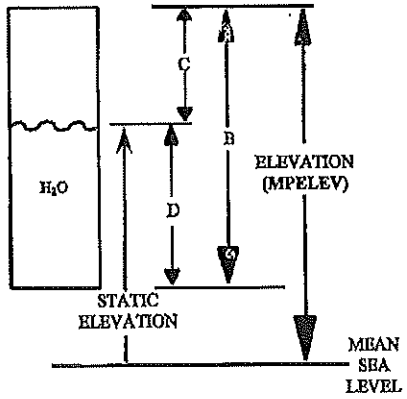
Measured Well Depth (B) (**TOTDEPTH**) 30.00 ft.

Measured Water Level Depth (C) (**STATDEP**) 22.81 ft.

Length of Static Water Column (D) = 30.00 (B) - 22.81 (C) = 7.19 (D) ft.

Casing Water Volume (E) = 0.16 (A) x 7.19 (D) = 1.150 gal

Minimum Purge Volume = 3.15 gal (3 well volumes)



Purge Date and Method: 12/17/24 bailing

Physical Appearance/Comments: Dirt buildup in the vault

FIELD MEASUREMENTS:

Allowable Range: ± 0.1 ± 5% ±1°C

Time	Volume Removed (gal)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)
1201	0.6	6.54	0.22	12.89	61.60	8.87	-3.9
1203	1.3	6.65	0.51	13.12	27.23	6.71	-62.0
1206	2.0	6.69	0.56	13.11	20.00	6.84	-70.8
1208	2.6	6.73	0.60	13.47	15.72	4.60	-77.3
1210	3.3	6.69	0.63	13.41	7.68	7.33	-69.9
1212	4.0	6.70	0.63	13.32	~~7.54~~ 4.62	7.54	-71.7

Sample Time: 1214 Sample ID: 789MW-83-1224

Note: Attempt to get at least 5 sets of field measurements during purging. Sample may be collected after 3 to 5 well volumes have been removed and parameters have stabilized. Sample may be collected after 6 well volumes if parameters do not stabilize. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM

Project: Former Griffis AFB Sampled by: A. Mercer, G. Wilbert

Location and Site Code (**SITEID**): SS067

Well No. (**LOCID**): 789MW-95 Well Diameter (**SDIAM**): 2 in

Date (**LOGDATE**): 12/17/24 Weather: Overcast, windy 47°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

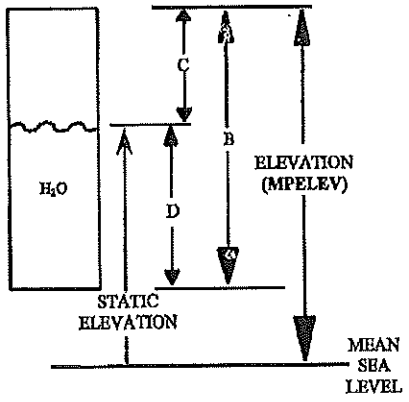
Measured Well Depth (B) (**TOTDEPTH**) 22.00 ft.

Measured Water Level Depth (C) (**STATDEP**) 16.18 ft.

Length of Static Water Column (D) = 22.00 (B) − 16.18 (C) = 5.82 (D) ft.

Casing Water Volume (E) = 0.16 (A) x 5.82 (D) = 0.931 gal

Minimum Purge Volume = 2.79 gal (3 well volumes)



Purge Date and Method: 12/17/24 bailing

Physical Appearance/Comments: groundwater has black flecks and is slightly tinted

FIELD MEASUREMENTS:

Allowable Range: ± 0.1 ± 5% ±1°C

Time	Volume Removed (gal)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)
1447	0.3	6.84	0.60	10.45	19.15	8.82	16.0
1448	0.6	6.75	0.60	10.71	26.70	6.03	34.8
1451	0.9	6.75	0.60	10.53	46.72	7.19	52.4
1452	1.2	6.81	0.61	10.40	74.22	9.39	56.4
1453	1.5	6.80	0.61	10.34	160.52	10.48	60.0

Sample Time: 1454 Sample ID: 789MW-95_1224

Note: Attempt to get at least 5 sets of field measurements during purging. Sample may be collected after 3 to 5 well volumes have been removed and parameters have stabilized. Sample may be collected after 6 well volumes if parameters do not stabilize. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM

Project: Former Griffis AFB Sampled by: A. Meurer, G. Wilbert

Location and Site Code (**SITEID**): SS067

Well No. (**LOCID**): 89MW-98 Well Diameter (**SDIAM**): 4in

Date (**LOGDATE**): 12/17/24 Weather: Overcast, windy 44°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

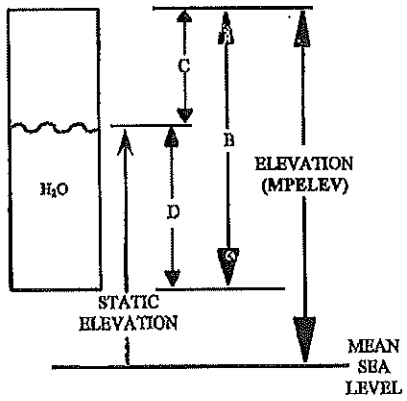
Measured Well Depth (B) (**TOTDEPTH**) 20.00 ft.

Measured Water Level Depth (C) (**STATDEP**) 17.94 ft.

Length of Static Water Column (D) = 20.00 (B) - 17.94 (C) = 2.06 (D) ft.

Casing Water Volume (E) = 0.65 (A) x 2.06 (D) = 1.34 gal

Minimum Purge Volume = 1.02 gal (3 well volumes)



Purge Date and Method: 12/17/24 bailing

Physical Appearance/Comments: Fuel odor emanating from bailer - do not sample.

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 5%	±1°C			
Time	Volume Removed (gal)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)

Sample Time: — Sample ID: 89MW-98_1224

Note: Attempt to get at least 5 sets of field measurements during purging. Sample may be collected after 3 to 5 well volumes have been removed and parameters have stabilized. Sample may be collected after 6 well volumes if parameters do not stabilize. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM

Project: Former Griffis AFB Sampled by: A. Mercer, G. Wilbert

Location and Site Code (**SITEID**): SS060-2

Well No. (**LOCID**): 789MW-99 Well Diameter (**SDIAM**): 4 in.

Date (**LOGDATE**): 12/17/24 Weather: Mostly cloudy, 49°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

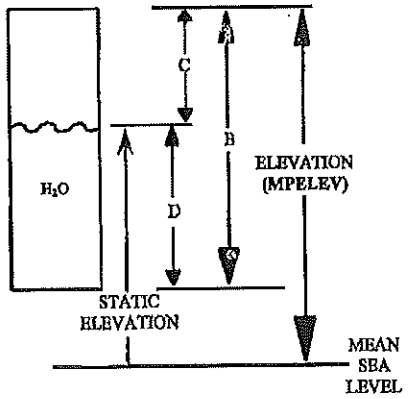
Measured Well Depth (B) (**TOTDEPTH**) 28.00 ft.

Measured Water Level Depth (C) (**STATDEP**) 19.16 ft.

Length of Static Water Column (D) = 28.00 (B) − 19.16 (C) = 8.84 (D) ft.

Casing Water Volume (E) = 0.65 (A) × 8.84 (D) = 5.75 gal

Minimum Purge Volume = 17.25 gal (3 well volumes)



Purge Date and Method: 12/17/24 bailing

Physical Appearance/Comments: 2 bollards knocked down. Groundwater orange-like in color on several pulls

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 5%	±1°C			
Time	Volume Removed (gal)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)
1016	12.00	6.92	1.01	10.82	44.34	2.91	-128.4
1022	28.00	6.97	0.96	10.66	115.57	3.82	-136.8
1029	38.00	7.00	0.92	10.52	95.62	3.31	-136.8
1033	46.00	7.03	0.91	10.33	462.46	5.13	-140.4
1036	54.00	7.06	0.91	10.53	311.60	6.41	-138.0

Sample Time: 1038 Sample ID: 789MW-99_1224

Note: Attempt to get at least 5 sets of field measurements during purging. Sample may be collected after 3 to 5 well volumes have been removed and parameters have stabilized. Sample may be collected after 6 well volumes if parameters do not stabilize. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM

Project: Former Griffis AFB Sampled by: A. Meurer, G. Wilbert

Location and Site Code (**SITEID**): SS067

Well No. (**LOCID**): 789MW-135 Well Diameter (**SDIAM**): 2in

Date (**LOGDATE**): 12/17/24 Weather: Overcast, windy 47°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

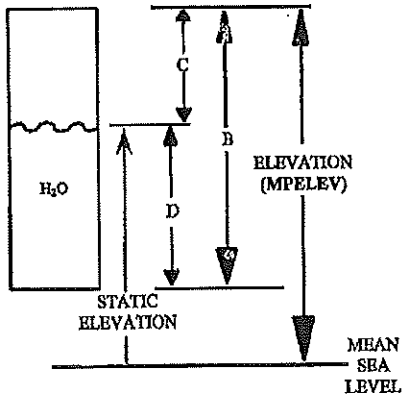
Measured Well Depth (B) (**TOTDEPTH**) 33.03 ft.

Measured Water Level Depth (C) (**STATDEP**) 28.15 ft.

Length of Static Water Column (D) = 33.03 (B) - 28.15 (C) = 4.88 (D) ft.

Casing Water Volume (E) = 0.16 (A) x 4.88 (D) = 0.780 gal

Minimum Purge Volume = 2.34 gal (3 well volumes)



Purge Date and Method: 12/17/24 bailing

Physical Appearance/Comments: water clear. Lid missing 1/3 bolts

FIELD MEASUREMENTS:

Allowable Range: ± 0.1 ± 5% ±1°C

Time	Volume Removed (gal)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)
1123	0.85	7.06	0.40	11.39	79.39	6.17	48.6
1127	1.30	7.01	0.40	12.11	120.30	6.16	50.7
1128	1.60	6.97	0.42	12.36	115.62	6.12	57.4
1129	1.90	6.96	0.43	12.51	109.83	6.13	57.9
1130	2.10	6.98	0.45	12.66	106.60	6.07	55.2

Sample Time: 1132 Sample ID: 789MW-135_1224

Note: Attempt to get at least 5 sets of field measurements during purging. Sample may be collected after 3 to 5 well volumes have been removed and parameters have stabilized. Sample may be collected after 6 well volumes if parameters do not stabilize. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM

Project: Former Griffis AFB Sampled by: A. Meuver, G. Wilbert

Location and Site Code (**SITEID**): SS067

Well No. (**LOCID**): 289MW-216 Well Diameter (**SDIAM**): 2in.

Date (**LOGDATE**): 12/17/24 Weather: Overcast, windy 46°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

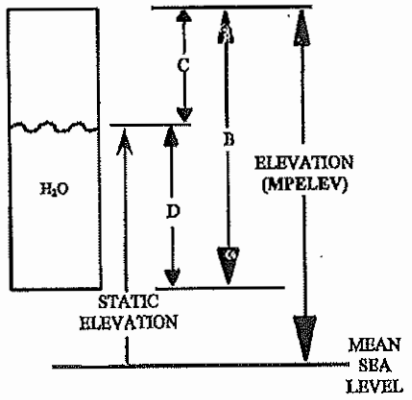
Measured Well Depth (B) (**TOTDEPTH**) 28.50 ft.

Measured Water Level Depth (C) (**STATDEP**) 20.78 ft.

Length of Static Water Column (D) = 28.50 (B) - 20.78 (C) = 7.72 (D) ft.

Casing Water Volume (E) = 0.16 (A) x 7.72 (D) = 1.235 gal

Minimum Purge Volume = 3.705 gal (3 well volumes)



Purge Date and Method: 12/17/24 bailing

Physical Appearance/Comments: None orange flecks in groundwater

FIELD MEASUREMENTS:

Allowable Range: ± 0.1 ± 5% ±1°C

Time	Volume Removed (gal)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)
1416	0.6	6.94	0.54	11.52	974.64	5.36	-78.7
1418	1.3	6.94	0.54	11.64	982.56	6.02	-81.2
1420	2.0	6.70	0.56	12.26	308.44	2.41	-67.7
1422	2.6	6.83	0.56	12.29	824.80	7.14	-89.7
1425	3.3	6.90	0.55	11.87	783.43	4.06	-101.4

Sample Time: 1428 Sample ID: 289MW-216_1224

Note: Attempt to get at least 5 sets of field measurements during purging. Sample may be collected after 3 to 5 well volumes have been removed and parameters have stabilized. Sample may be collected after 6 well volumes if parameters do not stabilize. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM

Project: Former Griffiss AFB Sampled by: A. Mercer, G. Wilbert

Location and Site Code (**SITEID**): SS067

Well No. (**LOCID**): 189MW-222 Well Diameter (**SDIAM**): 2 in

Date (**LOGDATE**): 12/17/24 Weather: Overcast, windy 17°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

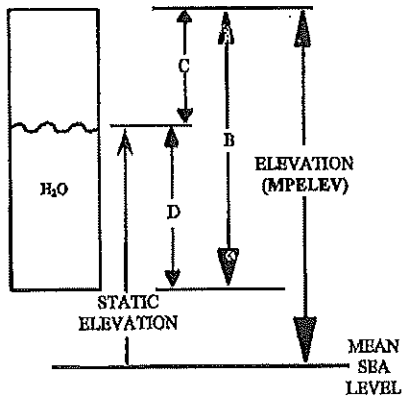
Measured Well Depth (B) (**TOTDEPTH**) 30.50 ft.

Measured Water Level Depth (C) (**STATDEP**) 23.25 ft.

Length of Static Water Column (D) = 30.50 (B) − 23.25 (C) = 7.25 (D) ft.

Casing Water Volume (E) = 0.16 (A) x 7.25 (D) = 1.16 gal

Minimum Purge Volume = 3.48 gal (3 well volumes)



Purge Date and Method: 12/17/24 bailing

Physical Appearance/Comments: None

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 5%	±1°C			
Time	Volume Removed (gal)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)
1234	0.6	7.32	0.92	11.99	31.53	9.08	-35.9
1236	1.3	7.16	0.83	12.28	4.21	8.17	-21.6
1238	2.0	7.05	0.71	12.12	2.59	8.55	-4.3
1240	2.6	7.07	0.93	12.26	11.58	7.50	-3.3
1242	3.3	7.15	0.95	12.41	9.19	7.40	-9.7

Sample Time: 1244 Sample ID: 189MW-222_1224

Note: Attempt to get at least 5 sets of field measurements during purging. Sample may be collected after 3 to 5 well volumes have been removed and parameters have stabilized. Sample may be collected after 6 well volumes if parameters do not stabilize. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM

Project: Former Griffis AFB Sampled by: A. Meuwer, G. Wilbert

Location and Site Code (**SITEID**): SS060F

Well No. (**LOCID**): 789MW-251 Well Diameter (**SDIAM**): 2in

Date (**LOGDATE**): 12/17/24 Weather: Overcast, windy, 44°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

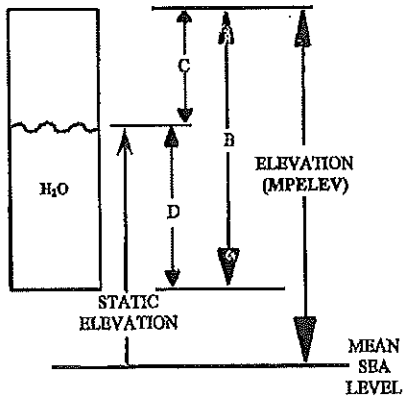
Measured Well Depth (B) (**TOTDEPTH**) 34.40 ft.

Measured Water Level Depth (C) (**STATDEP**) 22.81 ft.

Length of Static Water Column (D) = 34.40 (B) - 22.81 (C) = 11.59 (D) ft.

Casing Water Volume (E) = 0.16 (A) x 11.59 (D) = 1.85 gal

Minimum Purge Volume = 5.55 gal (3 well volumes)



Purge Date and Method: 12/17/24 bailing

Physical Appearance/Comments: Water level extremely low, unable to fully purge. Well ran dry, was able to sample

FIELD MEASUREMENTS:

Allowable Range: ± 0.1 ± 5% ±1°C

Time	Volume Removed (gal)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)
1517	1.2	6.74	0.76	10.15	27.08	8.94	-77.1
	2.4						
	3.6						
	4.8						
	6.0						

Sample Time: 1525 Sample ID: 789MW-251-1224

Note: Attempt to get at least 5 sets of field measurements during purging. Sample may be collected after 3 to 5 well volumes have been removed and parameters have stabilized. Sample may be collected after 6 well volumes if parameters do not stabilize. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM

Project: Former Griffiss AFB Sampled by: L. Sundeland, G. Wilbert

Location and Site Code (**SITEID**): SSOL07

Well No. (**LOCID**): 789SW-02 Well Diameter (**SDIAM**): N/A

Date (**LOGDATE**): 12/17/24 Weather: Overcast, windy 17°F

CASING VOLUME INFORMATION: N/A

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION: N/A

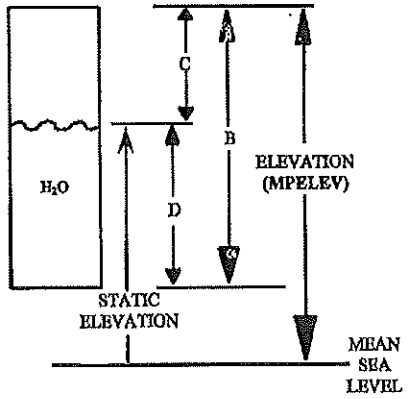
Measured Well Depth (B) (**TOTDEPTH**) ——— ft.

Measured Water Level Depth (C) (**STATDEP**) ——— ft.

Length of Static Water Column (D) = ——— (B) - ——— (C) = ——— (D) ft.

Casing Water Volume (E) = ——— (A) x ——— (D) = ——— gal

Minimum Purge Volume = ——— gal (3 well volumes)



Purge Date and Method: surface water grab sample

Physical Appearance/Comments: None

FIELD MEASUREMENTS:

Allowable Range: ± 0.1 ± 5% ±1°C

Time	Volume Removed (gal)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)
1012	———	7.57	0.24	7.79	0.00	11.50	-22.2

Sample Time: 1040 Sample ID: 789SW-02_1224

Note: Attempt to get at least 5 sets of field measurements during purging. Sample may be collected after 3 to 5 well volumes have been removed and parameters have stabilized. Sample may be collected after 6 well volumes if parameters do not stabilize. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM

Project: Former Griffis AFB Sampled by: L. Sunderland, A. Sinisgalli

Location and Site Code (**SITEID**): SS067

Well No. (**LOCID**): 789SW-03 Well Diameter (**SDIAM**): N/A

Date (**LOGDATE**): 12/17/24 Weather: Overcast, windy, 47°F

CASING VOLUME INFORMATION: N/A

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION: N/A

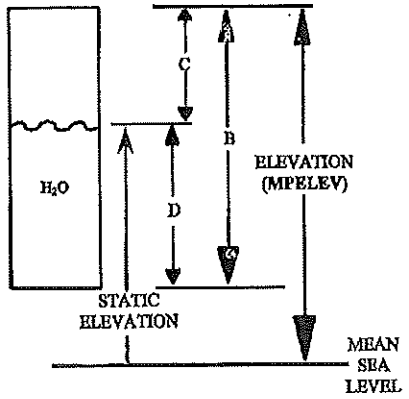
Measured Well Depth (B) (**TOTDEPTH**) ____ ft.

Measured Water Level Depth (C) (**STATDEP**) ____ ft.

Length of Static Water Column (D) = ____ (B) - ____ (C) = ____ (D) ft.

Casing Water Volume (E) = ____ (A) x ____ (D) = ____ gal

Minimum Purge Volume = ____ gal (3 well volumes)



Purge Date and Method: surface water grab sample

Physical Appearance/Comments: None

FIELD MEASUREMENTS:

Allowable Range: ± 0.1 ± 5% ±1°C

Time	Volume Removed (gal)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)
1032	____	7.68	0.24	7.76	0.00	11.18	-0.0

Sample Time: 1030 Sample ID: 789SW-03-1224

Note: Attempt to get at least 5 sets of field measurements during purging. Sample may be collected after 3 to 5 well volumes have been removed and parameters have stabilized. Sample may be collected after 6 well volumes if parameters do not stabilize. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM

Project: Former Griffis AFB Sampled by: L. Sunderland, A. Sinisgalli

Location and Site Code (**SITEID**): SSOW7

Well No. (**LOCID**): 189SW-04 Well Diameter (**SDIAM**): 4/4

Date (**LOGDATE**): 12/17/24 Weather: Overcast, windy 17°F

CASING VOLUME INFORMATION: N/A

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION: N/A

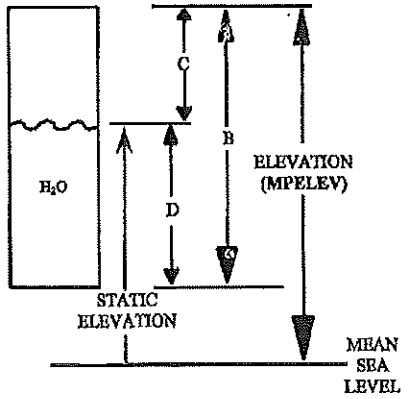
Measured Well Depth (B) (**TOTDEPTH**) _____ ft.

Measured Water Level Depth (C) (**STATDEP**) _____ ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft.

Casing Water Volume (E) = _____ (A) x _____ (D) = _____ gal

Minimum Purge Volume = _____ gal (3 well volumes)



Purge Date and Method: surface water grab sample

Physical Appearance/Comments: None

FIELD MEASUREMENTS:

Allowable Range: ± 0.1 ± 5% ±1°C

Time	Volume Removed (gal)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)
1020	—	7.49	0.24	7.80	0.00	11.78	10.1

Sample Time: 1020 Sample ID: 189SW-04_1224

Note: Attempt to get at least 5 sets of field measurements during purging. Sample may be collected after 3 to 5 well volumes have been removed and parameters have stabilized. Sample may be collected after 6 well volumes if parameters do not stabilize. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

SS067 Free Product Gauging and Bailing Field Form

Date: 12/17/2024

Personnel: Lucas Sunderland, Angelo Sinisgalli

Weather: 45 degrees farenheit, cloudy

	Before Bailing			FP Volume Recovered (gal)[1]	After Bailing		
	Depth to FP (ft)	Depth to Water (ft)	FP Thickness (ft)		Depth to FP (ft)	Depth to Water (ft)	FP Thickness (ft)
789MW-96	20.82	22.10	1.28	2.00	22.46	23.10	0.64
789MW-102	8.32	10.16	1.84	4.50	8.70	9.00	0.30
789RW-200	19.05	19.80	0.75	4.00	20.80	21.20	0.40
789RW-202	13.27	16.30	3.03	10.00	19.30	19.74	0.44
789RW-205**	19.10	19.32	0.22	0.00	-	-	-
789RW-219 Inner*	-	-	-	-	-	-	-
789RW-219 Outer	19.25	22.11	2.86	2.50	20.76	21.30	0.54
789MW-252	21.69	24.08	2.39	1.50	22.92	23.14	0.22
789MW-253	19.81	21.03	1.22	1.00	20.95	21.35	0.40
789MW-254	21.47	24.08	2.61	1.50	23.40	23.66	0.26

*Inner casing removed by S. Haskins on 12/1/21

** Found damaged in August 2022. Measurements made below normal measuring point.

[1] FP volume recovered includes purge water volume

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APPENDIX D
DATA VALIDATION REPORTS

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Appendix D-1
2024 Quarter 1 Data Validation Report

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Facility:	Griffiss Air Force Base, BECOS
Event:	2024 Griffiss Petro Q1
SDG:	FC14007
Guidance Document:	Final Basewide Uniform Federal Policy Quality Assurance Project Plan, Long Term Monitoring, Former Griffiss Air Force Base, Rome, New York, April 2022
Prime Contractor:	Bhate Environmental Associates, Inc., Birmingham, AL
Project Manager:	Frank Gardner
Contract Laboratory(ies):	SGS North America, Inc., Orlando, FL
Data Review Contractor:	Synectics, Sacramento, CA
Data Review Level:	S2BVEM
Primary Data Reviewer:	Leslie Tanaka, Data Review Chemist
Second Reviewer:	Evin McKinney, Senior Scientist
Date Submitted:	April 17, 2024

Field Sample ID	Lab Sample ID	Matrix	Type/Type Code	SW8260D
789-AB01_0324-D	FC14007-12	Water	Ambient Blank/AB	X
789MW-216_0324	FC14007-5	Water	Field Sample/N	X
789MW-222_0324	FC14007-6	Water	Field Sample/N	X
789MW-251_0324	FC14007-7	Water	Field Sample/N	X
789MW-83_0324	FC14007-1	Water	Field Sample/N	X
789MW-98_0324	FC14007-2	Water	Field Sample/N	X
789MW-99_0324	FC14007-3	Water	Field Sample/N	X
789MW-99_0324-A	FC14007-4	Water	Field Duplicate/FD	X
789SW-02_0324	FC14007-8	Water	Field Sample/N	X
789SW-03_0324	FC14007-9	Water	Field Sample/N	X
789SW-04_0324	FC14007-10	Water	Field Sample/N	X
789-TB01_0324-C	FC14007-11	Water	Trip Blank/TB	X

This report assesses the analytical data quality associated with the analyses listed on the preceding cover page at S2BVEM data validation level. This assessment has been made through a combination of automated data review (ADR) and supplemental manual review, the details of which are described below. The approach taken in the review of this data set is consistent with the requirements contained in the Final Basewide Uniform Federal Policy Quality Assurance Project Plan, Long Term Monitoring, Former Griffiss Air Force Base, Rome, New York, April 2022 and the additional guidance documents incorporated by reference to the extent possible. Where definitive guidance is not provided, results have been evaluated in a conservative manner using professional judgment.

Sample collection was managed and directed by Bhate Environmental Associates, Inc., Birmingham, AL; analyses were performed by SGS North America, Inc., Orlando, FL and were reported under sample delivery group (SDG) FC14007. Data have been evaluated electronically based on electronic data deliverables (EDDs) provided by the laboratory, and hard copy data summary forms have also been reviewed during this effort and compared to the automated review output by the reviewers whose signatures appear on the following page. Findings based on the automated data submission and manual data verification processes are detailed in the ADR narrative and throughout this report.

All quality control (QC) elements associated with this SDG have been reviewed by a project chemist in accordance with the requirements defined for the project. This review is documented in the attached Data Review Checklists. The QC elements listed below were supported by the electronic deliverable and were evaluated using ADR processes.

- Ambient Blank
- Field Duplicate RPD
- Lab Blank
- LCS Recovery
- MS Recovery
- MS RPD
- Prep Hold Time
- Surrogate
- Test Hold Time
- Trip Blank

Results of the ADR process were subsequently reviewed and updated as applicable by the data review chemists identified on the signature page. Quality control elements that were not included in the electronic deliverable were reviewed manually and findings are documented within this report. Summaries of findings and associated qualified results are documented throughout this report.

A total of 9 results (1.10%) out of the 816 results (sample and field QC samples) reported are qualified based on review and 0 results (0.00%) have been rejected or deemed a serious deficiency (X qualifier). Trace values, defined as results that are qualified as estimated because they fall between the detection limit and the reporting limit/limit of quantitation, are not counted as qualified results in the above count. The qualified results are detailed throughout this report and discussed in the narrative below, where appropriate.

Narrative Comments

It was noted that COC corrections were not dated.

Analytical Method	Data Reviewer Comment
SW8260D	No additional comments; see Checklist for detail.

Leslie Tanaka

April 15, 2024

Reviewed by Leslie Tanaka, Data Review Chemist, Synectics, Sacramento, CA

As the First Reviewer, I certify that I have performed a data review process in accordance with the requirements of the project guidance document, and have compared the electronic data to the laboratory's hard copy report and have verified the consistency of the reported sample results and method quality control data between the two deliverables.

Evin McKinney

April 17, 2024

Reviewed by Evin McKinney, Senior Scientist, Synectics, Sacramento, CA

As the Second Reviewer, I certify that I have performed a quality assurance review of the report generated by the First Reviewer.

Quality Control Outliers for test method SW8260D, Ambient Blank

Ambient blanks are a sample of analyte-free water or air, which is transferred from one vessel to another or exposed to the sampling environment at the sampling site. They measure incidental or accidental sample contamination during the whole process (sampling, transport, sample preparation, and analysis). Summary forms were evaluated and compared to electronic data deliverables. Findings of this review, and contaminants found in ambient blanks are listed below along with any associated qualified results.

Sample ID/ Lab Sample ID	Analyte	Result	Warning Limits	Control Limits	Units	Qualifier	Reason Code	Comment
789-AB01_0324-D (AB) FC14007-12	Methylene chloride	2.40	< 2	< 5	ug/l	U/None*	A1	
789-AB01_0324-D (AB) FC14007-12	Toluene	0.400	< 0.3	< 1	ug/l	U/None*	A1	

Where two qualifiers are listed, such as 'J/UJ', the first applies to positive results, and the second to non-detect results.
Upper and Lower Warning and Control Limits are abbreviated UWL, LWL, UCL, and LCL in the Comment field.

*Blank flags displayed in the above table identify qualification of the sample result when it is less than or equal to the LOQ/RL. Sample results above the LOD or LOQ will be qualified based on the validation guidance assigned in the project setup.

Qualified Results associated with the Ambient Blank for SW8260D

FieldSample ID	Type	Analyte	LOQ	Lab Result	Qualified Result	Bias	Units	Reason
789MW-98_0324 FC14007-2	N	Toluene	2.50	1.30 J	2.50 U		ug/l	A1
789MW-99_0324 FC14007-3	N	Toluene	1.00	0.520 J	1.00 U		ug/l	A1
789MW-99_0324-A FC14007-4	FD	Toluene	1.00	0.470 J	1.00 U		ug/l	A1

Analytes not found in project samples are reported as not detected at the limit of detection (LOD) unless blank contamination occurs and then the sample may be reported as not detected at the (LOD) or (LOQ) based on the sample concentration and the validation guidance. In instances where no LOD is provided, results are reported down to the LOQ.

Quality Control Outliers for test method SW8260D, Continuing Calibration Verification

Compliance requirements for satisfactory continuing calibration are established to ensure that the instrument is capable of producing acceptable qualitative and quantitative data. Continuing calibration is performed to verify and evaluate instrument performance during sample analysis. Summary forms were evaluated against project acceptance criteria, and any associated qualified results, are listed below.

Sample ID/ Lab Sample ID	Analyte	Result	Warning Limits	Control Limits	Units	Qualifier	Reason Code	Comment
1O82650.D (CV)	Methylene chloride	126	80 - 120	50 - 150	percent	J/None	V2	

Where two qualifiers are listed, such as 'J/UJ', the first applies to positive results, and the second to non-detect results.
Upper and Lower Warning and Control Limits are abbreviated UWL, LWL, UCL, and LCL in the Comment field.

Qualified Results associated with the Continuing Calibration Verification for SW8260D

FieldSample ID	Type	Analyte	LOQ	Lab Result	Qualified Result	Bias	Units	Reason
789-AB01_0324-D FC14007-12	AB	Methylene chloride	5.00	2.40 J	2.40 J	+	ug/l	TR/V2

Analytes not found in project samples are reported as not detected at the limit of detection (LOD) unless blank contamination occurs and then the sample may be reported as not detected at the (LOD) or (LOQ) based on the sample concentration and the validation guidance. In instances where no LOD is provided, results are reported down to the LOQ.

Quality Control Outliers for test method SW8260D, Field Duplicate RPD

Field duplicate analyses are performed in order to assess sample collection/laboratory precision for each sample matrix. Summary forms were evaluated and compared to electronic data deliverables. Field duplicate results that were outside of the acceptance criteria are listed below.

Sample ID/ Lab Sample ID	Analyte	Result	Warning Limits	Control Limits	Units	Qualifier	Reason Code	Comment
789MW-99_0324-A (N) FC14007-4	p-Cymene (p-Isopropyltoluene)	34.5	< 30	< 30	rpd	J/None	D3	

Where two qualifiers are listed, such as 'J/UJ', the first applies to positive results, and the second to non-detect results.
Upper and Lower Warning and Control Limits are abbreviated UWL, LWL, UCL, and LCL in the Comment field.

Qualified Results associated with the Field Duplicate RPD for SW8260D

FieldSample ID	Type	Analyte	LOQ	Lab Result	Qualified Result	Bias	Units	Reason
789MW-99_0324 FC14007-3	N	p-Cymene (p-Isopropyltoluene)	1.00	0.340 J	0.340 J		ug/l	D3/TR
789MW-99_0324-A FC14007-4	FD	p-Cymene (p-Isopropyltoluene)	1.00	0.240 J	0.240 J		ug/l	D3/TR

Analytes not found in project samples are reported as not detected at the limit of detection (LOD) unless blank contamination occurs and then the sample may be reported as not detected at the (LOD) or (LOQ) based on the sample concentration and the validation guidance. In instances where no LOD is provided, results are reported down to the LOQ.

Quality Control Outliers for test method SW8260D, MS Recovery

Data for matrix spikes/matrix spike duplicates (MS/MSD) are generated to determine long-term precision and accuracy of the analytical method on various matrices and to demonstrate acceptable compound recovery by the laboratory at the time of sample analysis. These data alone cannot be used to evaluate the precision and accuracy of individual samples. However, when exercising professional judgment, MS/MSD data can be used in conjunction with other available QC information. Reported results were evaluated to determine compliance with the required acceptance criteria, and summary forms were evaluated and compared to electronic data deliverables. Findings of this review, and any associated qualified results, are listed below.

Sample ID/ Lab Sample ID	Analyte	Result	Warning Limits	Control Limits	Units	Qualifier	Reason Code	Comment
789MW-222_0324-MS (MS) FC14007-6MS	Bromodichloromethane	77.0	79 - 123	79 - 123	percent	J/UJ	M	
789MW-222_0324-MS (MS) FC14007-6MS	Chloroethane	232	62 - 144	62 - 144	percent	J/None	M	
789MW-222_0324-MS (MS) FC14007-6MS	Dibromochloromethane	76.0	78 - 122	78 - 122	percent	J/UJ	M	
789MW-222_0324-MS (MS) FC14007-6MS	trans-1,3-Dichloropropene	76.0	80 - 120	80 - 120	percent	J/UJ	M	
789MW-222_0324-SD (SD) FC14007-6MSD	Chloroethane	235	62 - 144	62 - 144	percent	J/None	M	

Where two qualifiers are listed, such as 'J/UJ', the first applies to positive results, and the second to non-detect results.
Upper and Lower Warning and Control Limits are abbreviated UWL, LWL, UCL, and LCL in the Comment field.

Qualified Results associated with the MS Recovery for SW8260D

FieldSample ID	Type	Analyte	LOQ	Lab Result	Qualified Result	Bias	Units	Reason
789MW-222_0324 FC14007-6	N	Bromodichloromethane	1.00	0.500 U	0.500 UJ		ug/l	M
789MW-222_0324 FC14007-6	N	Dibromochloromethane	1.00	0.500 U	0.500 UJ		ug/l	M
789MW-222_0324 FC14007-6	N	trans-1,3-Dichloropropene	1.00	0.500 U	0.500 UJ		ug/l	M

Analytes not found in project samples are reported as not detected at the limit of detection (LOD) unless blank contamination occurs and then the sample may be reported as not detected at the (LOD) or (LOQ) based on the sample concentration and the validation guidance. In instances where no LOD is provided, results are reported down to the LOQ.

Quality Control Outliers for test method SW8260D, MS RPD

The objective of matrix spikes/matrix spike duplicates (MS/MSD) RPD analysis is to demonstrate acceptable method precision by the laboratory at the time of analysis. MS/MSD analyses are also performed to generate data that determines the long-term precision of the analytical method on various matrices. Non-homogenous samples can impact the apparent method precision. Summary forms were evaluated and compared to electronic data deliverables. Matrix spikes/matrix spike duplicates results that were outside of the acceptance criteria are listed below.

Sample ID/ Lab Sample ID	Analyte	Result	Warning Limits	Control Limits	Units	Qualifier	Reason Code	Comment
789MW-222_0324-SD (SD) FC14007-6MSD	1,2-Dibromoethane (EDB)	14.0	< 13	< 13	rpd	J/None	D	
789MW-222_0324-SD (SD) FC14007-6MSD	1,3-Dichloropropane	13.1	< 13	< 13	rpd	J/None	D	
789MW-222_0324-SD (SD) FC14007-6MSD	Bromomethane	33.6	< 19	< 19	rpd	J/None	D	
789MW-222_0324-SD (SD) FC14007-6MSD	Chloromethane	20.5	< 19	< 19	rpd	J/None	D	
789MW-222_0324-SD (SD) FC14007-6MSD	Dichlorodifluoromethane	25.5	< 19	< 19	rpd	J/None	D	
789MW-222_0324-SD (SD) FC14007-6MSD	Trichlorofluoromethane	22.6	< 21	< 21	rpd	J/None	D	
789MW-222_0324-SD (SD) FC14007-6MSD	Vinyl chloride	20.6	< 18	< 18	rpd	J/None	D	

Where two qualifiers are listed, such as 'J/UJ', the first applies to positive results, and the second to non-detect results.
Upper and Lower Warning and Control Limits are abbreviated UWL, LWL, UCL, and LCL in the Comment field.

No results associated with this QC element required qualification.

Table of All Qualified Results

Test Method: SW8260D		Extraction Method: SW5030B						
FieldSample ID / LabSample ID	Type	Analyte	LOQ	Lab Result	Qualified Result	Bias	Units	Reason
789-AB01_0324-D FC14007-12	AB	Methylene chloride	5.00	2.40 J	2.40 J	+	ug/l	TR/V2
789MW-222_0324 FC14007-6	N	Bromodichloromethane	1.00	0.500 U	0.500 UJ		ug/l	M
789MW-222_0324 FC14007-6	N	Dibromochloromethane	1.00	0.500 U	0.500 UJ		ug/l	M
789MW-222_0324 FC14007-6	N	trans-1,3-Dichloropropene	1.00	0.500 U	0.500 UJ		ug/l	M
789MW-98_0324 FC14007-2	N	Toluene	2.50	1.30 J	2.50 U		ug/l	A1
789MW-99_0324 FC14007-3	N	p-Cymene (p-Isopropyltoluene)	1.00	0.340 J	0.340 J		ug/l	D3/TR
789MW-99_0324 FC14007-3	N	Toluene	1.00	0.520 J	1.00 U		ug/l	A1
789MW-99_0324-A FC14007-4	FD	p-Cymene (p-Isopropyltoluene)	1.00	0.240 J	0.240 J		ug/l	D3/TR
789MW-99_0324-A FC14007-4	FD	Toluene	1.00	0.470 J	1.00 U		ug/l	A1

Analytes not found in project samples are reported as not detected at the limit of detection (LOD) unless blank contamination occurs and then the sample may be reported as not detected at the (LOQ) based on the sample concentration.
In instances where no LOD is provided, results are reported down to the LOQ.
Trace values are not included in the qualified results table unless additional reason codes are associated.

Reason Code Definitions

Code	Definition
A1	Ambient Blank
D	MS RPD
D3	Field Duplicate RPD
M	MS Recovery
TR	Trace Level Detect
V2	CCV

Flag Code and Definitions

Flag	Definition
J	Estimated Value
N	The analysis indicates the presence of an analyte for which there was presumptive evidence to make a tentative identification.
NJ	The analyte has been tentatively identified or presumptively as present and the associated numerical value was the estimated concentration in the sample.
R	The data are rejected due to deficiencies in meeting QC criteria and may not be used for decision making.
U	Undetected: The analyte was analyzed for, but not detected.
UJ	The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria.
X	Result may require rejection; PDT attention required

Bias

-	The result may be biased low
+	The result may be biased high

Note - The bias field is a separate field; however, it is an integral part of the final flag (qualifier) on the sample result

Review Questions

Method: SW8260D (Volatile Organic Compounds by GC/MS)

Review Questions	Yes	No	NA	Comment
Were there discrepancies between the COC and the samples received?		•		
Were there discrepancies between the COC and the sample labels?		•		
Were samples relinquished properly on the COC?	•			
Were all samples properly preserved?	•			
Were sampling dates/times, date and time of laboratory receipt of samples, and sample conditions upon receipt at the laboratory (including preservation, pH, and temperature) documented?	•			
Were sample results reported with percent moisture correction if required?			•	
Were analytical methods performed and analysis dates present?	•			
Were all requested target analytes reported?	•			
Were QAPP specified Project Quantitation Limit Goals achieved? (The laboratory LOQ is compared to the QAPP Project Quantitation Goal)		•		Various compounds are reported with detections and non-detects at levels (LOQs) greater than the project PQGs and project PALs were not met.
Were holding times met?	•			
Were trip blanks analyzed at the proper frequency and in control?	•			
Were field blanks analyzed at the proper frequency and in control?		•		Ambient blank. See QC outliers.
Were equipment blanks analyzed at the proper frequency and in control?			•	
Was a method blank prepared and analyzed with each batch?	•			
Were target analytes in the method blank less than DL?	•			
Was an LCS/LCSD pair prepared and analyzed with each batch?	•			LCS only.
Were LCS/LCSD recoveries within project acceptance limits?	•			
Was the LCS/LCSD RPD within project acceptance limits?			•	
Was a MS/MSD pair prepared with each batch?	•			It was noted that one of two batches have an SDG specific MS/MSD.
Were MS/MSD recoveries within project acceptance limits?		•		See QC outliers.
Was the MS/MSD RPD within project acceptance limits?		•		See QC outliers.
If ISM ws used for sample collection, were laboratory triplicates analyzed and within project acceptance limits?			•	
Were surrogate recoveries within project acceptance limits?	•			
Were field replicates (duplicates, triplicates, etc.) analyzed at the proper frequency and in control?		•		See QC outliers.
Were reported sample concentrations within calibration range?	•			
Was the GC/MS system properly tuned based on method criteria?	•			
Was instrument tuning completed every 12 hours during sample analysis?	•			
Was the Calibration within project acceptance criteria?	•			

Review Questions

Method: SW8260D (Volatile Organic Compounds by GC/MS)				
Review Questions	Yes	No	NA	Comment
Was a ICV performed after each ICAL prior to sample analysis and within project acceptance criteria?		•		It was noted that Dichlorodifluoromethane was out of control, with high bias, for ICV 1O82562.D; however, the associated samples were non-detect. No action was taken on this basis. The laboratory noted Chloroethane out of control limits high; however, it was found to be within project acceptance limits of +/- 30%. No action was taken on this basis.
Were CCVs run at the required frequency and within project acceptance criteria?		•		See QC outliers. It was noted that Chloroethane was out of control, with high bias, for CCV 1O82650.D; however, the associated samples were non-detect. No action was taken on this basis. The laboratory noted that no ending CCV is available for Batch ID V2P3991 as it is a confirmation run for the associated samples. No action was taken on this basis.
Were internal standard retention times and area criteria within project acceptance criteria?	•			
Were internal standards spiked for every sample, standard, and QC sample?	•			
Were instrument run logs present and filled out appropriately?	•			
Were sample preparation sheets present and filled out appropriately?			•	
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?	•			
Were DoD QSM corrective actions followed if deviations were noted?		•		It was noted that an ICV was out of control and not all associated samples were re-analyzed.
Were any data recommended for exclusion in the data validation process?		•		

Appendix D-2
2024 Quarter 2 Data Validation Report

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Project:	Griffiss Air Force Base, BECOS
Event:	2024 Griffiss Petro Q2
SDG:	FC16676
Guidance Document:	Final Basewide Uniform Federal Policy Quality Assurance Project Plan, Long Term Monitoring, Former Griffiss Air Force Base, Rome, New York, April 2022
Prime Contractor:	Bhate Environmental Associates, Inc., Birmingham, AL
Project Manager:	Todd Calhoun
Contract Laboratory(ies):	SGS North America, Inc., Orlando, FL
Data Review Contractor:	Synectics, Sacramento, CA
Data Review Level:	S2BVEM
Primary Data Reviewer:	Leslie Tanaka, Data Review Chemist
Second Reviewer:	Evin McKinney, Senior Scientist
Date Submitted:	August 06, 2024

Field Sample ID	Lab Sample ID	Matrix	Type/Type Code	SW8260D
789-AB01_0624-D	FC16676-14	Water	Ambient Blank/AB	X
789MW-135_0624	FC16676-1	Water	Field Sample/N	X
789MW-216_0624	FC16676-8	Water	Field Sample/N	X
789MW-222_0624	FC16676-9	Water	Field Sample/N	X
789MW-251_0624	FC16676-10	Water	Field Sample/N	X
789MW-46R_0624	FC16676-2	Water	Field Sample/N	X
789MW-83_0624	FC16676-3	Water	Field Sample/N	X
789MW-95_0624	FC16676-4	Water	Field Sample/N	X
789MW-98_0624	FC16676-5	Water	Field Sample/N	X
789MW-99_0624	FC16676-6	Water	Field Sample/N	X
789MW-99_0624-A	FC16676-7	Water	Field Duplicate/FD	X
789SW-02_0624	FC16676-11	Water	Field Sample/N	X
789SW-03_0624	FC16676-12	Water	Field Sample/N	X
789SW-04_0624	FC16676-13	Water	Field Sample/N	X
789-TB01_0624-C	FC16676-15	Water	Trip Blank/TB	X

This report assesses the analytical data quality associated with the analyses listed on the preceding cover page at S2BVEM data validation level. This assessment has been made through a combination of automated data review (ADR) and supplemental manual review, the details of which are described below. The approach taken in the review of this data set is consistent with the requirements contained in the Final Basewide Uniform Federal Policy Quality Assurance Project Plan, Long Term Monitoring, Former Griffiss Air Force Base, Rome, New York, April 2022 and the additional guidance documents incorporated by reference to the extent possible. Where definitive guidance is not provided, results have been evaluated in a conservative manner using professional judgment.

Sample collection was managed and directed by Bhate Environmental Associates, Inc., Birmingham, AL; analyses were performed by SGS North America, Inc., Orlando, FL and were reported under sample delivery group (SDG) FC16676. Data have been evaluated electronically based on electronic data deliverables (EDDs) provided by the laboratory, and hard copy data summary forms have also been reviewed during this effort and compared to the automated review output by the reviewers whose signatures appear on the following page. Findings based on the automated data submission and manual data verification processes are detailed in the ADR narrative and throughout this report.

All quality control (QC) elements associated with this SDG have been reviewed by a project chemist in accordance with the requirements defined for the project. This review is documented in the attached Data Review Checklists. The QC elements listed below were supported by the electronic deliverable and were evaluated using ADR processes.

- Ambient Blank
- Field Duplicate RPD
- Lab Blank
- LCS Recovery
- MS Recovery
- MS RPD
- Prep Hold Time
- Surrogate
- Test Hold Time
- Trip Blank

Results of the ADR process were subsequently reviewed and updated as applicable by the data review chemists identified on the signature page. Quality control elements that were not included in the electronic deliverable were reviewed manually and findings are documented within this report. Summaries of findings and associated qualified results are documented throughout this report.

A total of 82 results (8.04%) out of the 1020 results (sample and field QC samples) reported are qualified based on review and 0 results (0.00%) have been rejected or deemed a serious deficiency (X qualifier). Trace values, defined as results that are qualified as estimated because they fall between the detection limit and the reporting limit/limit of quantitation, are not counted as qualified results in the above count. The qualified results are detailed throughout this report and discussed in the narrative below, where appropriate.

Narrative Comments

It was noted that the Received By section on the second page of the COC was not filled out.

Analytical Method	Data Reviewer Comment
SW8260D	No additional comments; see Checklist for detail.

Leslie Tanaka — July 31, 2024

Reviewed by Leslie Tanaka, Data Review Chemist, Synectics, Sacramento, CA

As the First Reviewer, I certify that I have performed a data review process in accordance with the requirements of the project guidance document, and have compared the electronic data to the laboratory's hard copy report and have verified the consistency of the reported sample results and method quality control data between the two deliverables.

Evin McKinney — August 06, 2024

Reviewed by Evin McKinney, Senior Scientist, Synectics, Sacramento, CA

As the Second Reviewer, I certify that I have performed a quality assurance review of the report generated by the First Reviewer.

Quality Control Outliers for test method SW8260D, Ambient Blank

Ambient blanks are a sample of analyte-free water or air, which is transferred from one vessel to another or exposed to the sampling environment at the sampling site. They measure incidental or accidental sample contamination during the whole process (sampling, transport, sample preparation, and analysis). Summary forms were evaluated and compared to electronic data deliverables. Findings of this review, and contaminants found in ambient blanks are listed below along with any associated qualified results.

Sample ID/ Lab Sample ID	Analyte	Result	Warning Limits	Control Limits	Units	Qualifier	Reason Code	Comment
789-AB01_0624-D (AB) FC16676-14	Methylene chloride	5.80	< 2	< 5	ug/l	U/None*	A1	

Where two qualifiers are listed, such as 'J/UJ', the first applies to positive results, and the second to non-detect results.
Upper and Lower Warning and Control Limits are abbreviated UWL, LWL, UCL, and LCL in the Comment field.

*Blank flags displayed in the above table identify qualification of the sample result when it is less than or equal to the LOQ/RL. Sample results above the LOD or LOQ will be qualified based on the validation guidance assigned in the project setup.

No results associated with this QC element required qualification.

Quality Control Outliers for test method SW8260D, Test Hold Time

Hold times are ascertained based on project requirements. Holding times were determined by comparing the chain of custody records with the dates of analysis found in the electronic data deliverable and laboratory summary forms. Findings of this review, and any associated qualified results, are listed below.

Sample ID/ Lab Sample ID	Analyte	Result	Warning Limits	Control Limits	Units	Qualifier	Reason Code	Comment
789MW-98_0624 (N) FC16676-5		14.8	< 14	< 28	days	J/UJ	H1	Test Exceeds UWL

Where two qualifiers are listed, such as 'J/UJ', the first applies to positive results, and the second to non-detect results.
Upper and Lower Warning and Control Limits are abbreviated UWL, LWL, UCL, and LCL in the Comment field.

Qualified Results associated with the Test Hold Time for SW8260D

FieldSample ID	Type	Analyte	LOQ	Lab Result	Qualified Result	Bias	Units	Reason
789MW-98_0624 FC16676-5	N	1,1,1,2-Tetrachloroethane	2.00	1.00 U	1.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	1,1,1-Trichloroethane	2.00	1.00 U	1.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	1,1,2,2-Tetrachloroethane	2.00	1.00 U	1.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	1,1,2-Trichloroethane	2.00	1.00 U	1.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	1,1-Dichloroethane	2.00	1.00 U	1.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	1,1-Dichloroethene	2.00	1.00 U	1.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	1,1-Dichloropropene	2.00	1.00 U	1.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	1,2,3-Trichlorobenzene	4.00	2.00 U	2.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	1,2,3-Trichloropropane	4.00	2.00 U	2.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	1,2,4-Trichlorobenzene	4.00	2.00 U	2.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	1,2,4-Trimethylbenzene	2.00	88.7	88.7 J	-	ug/l	H1
789MW-98_0624 FC16676-5	N	1,2-Dibromo-3-chloropropane	10.0	4.00 U	4.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	1,2-Dibromoethane (EDB)	4.00	2.00 U	2.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	1,2-Dichlorobenzene	2.00	1.00 U	1.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	1,2-Dichloroethane	2.00	1.00 U	1.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	1,2-Dichloroethene	4.00	2.00 U	2.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	1,2-Dichloropropane	2.00	1.00 U	1.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	1,3,5-Trimethylbenzene	2.00	30.9	30.9 J	-	ug/l	H1
789MW-98_0624 FC16676-5	N	1,3-Dichlorobenzene	2.00	1.00 U	1.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	1,3-Dichloropropane	2.00	1.00 U	1.00 UJ		ug/l	H1

Qualified Results associated with the Test Hold Time for SW8260D

FieldSample ID	Type	Analyte	LOQ	Lab Result	Qualified Result	Bias	Units	Reason
789MW-98_0624 FC16676-5	N	1,4-Dichlorobenzene	2.00	1.00 U	1.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	2,2-Dichloropropane	2.00	1.00 U	1.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	2-Butanone (MEK)	10.0	7.00 U	7.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	2-Chlorotoluene	2.00	1.00 U	1.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	2-Hexanone	20.0	10.0 U	10.0 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	4-Chlorotoluene	2.00	1.00 U	1.00 UJ		ug/l	C/H1
789MW-98_0624 FC16676-5	N	4-Methyl-2-pentanone (MIBK)	10.0	2.90 J	2.90 J	-	ug/l	H1/TR
789MW-98_0624 FC16676-5	N	Acetone	50.0	40.0 U	40.0 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	Benzene	2.00	13.6	13.6 J	-	ug/l	H1
789MW-98_0624 FC16676-5	N	Bromobenzene	2.00	1.00 U	1.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	Bromochloromethane	2.00	1.00 U	1.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	Bromodichloromethane	2.00	1.00 U	1.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	Bromoform	2.00	1.00 U	1.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	Bromomethane	10.0	8.00 U	8.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	Carbon disulfide	4.00	2.00 U	2.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	Carbon Tetrachloride	2.00	1.00 U	1.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	Chlorobenzene	2.00	1.00 U	1.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	Chloroethane	4.00	2.00 U	2.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	Chloroform	2.00	1.00 U	1.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	Chloromethane	4.00	2.00 U	2.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	cis-1,2-Dichloroethene	2.00	1.00 U	1.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	cis-1,3-Dichloropropene	2.00	1.00 U	1.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	Cumene	2.00	3.90	3.90 J	-	ug/l	H1
789MW-98_0624 FC16676-5	N	Dibromochloromethane	2.00	1.00 U	1.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	Dibromomethane	4.00	1.00 U	1.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	Dichlorodifluoromethane	4.00	2.00 U	2.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	Ethylbenzene	2.00	5.80	5.80 J	-	ug/l	H1

Qualified Results associated with the Test Hold Time for SW8260D

FieldSample ID	Type	Analyte	LOQ	Lab Result	Qualified Result	Bias	Units	Reason
789MW-98_0624 FC16676-5	N	Hexachlorobutadiene	4.00	2.00 U	2.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	m,p-Xylene	4.00	30.4	30.4 J	-	ug/l	H1
789MW-98_0624 FC16676-5	N	Methyl tert-butyl ether (MTBE)	2.00	1.00 U	1.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	Methylene chloride	10.0	8.00 U	8.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	Naphthalene	10.0	8.80 J	8.80 J	-	ug/l	H1/TR
789MW-98_0624 FC16676-5	N	n-Butylbenzene	2.00	5.30	5.30 J	-	ug/l	H1
789MW-98_0624 FC16676-5	N	n-Propylbenzene	2.00	9.40	9.40 J	-	ug/l	H1
789MW-98_0624 FC16676-5	N	o-Xylene	2.00	2.40	2.40 J	-	ug/l	H1
789MW-98_0624 FC16676-5	N	p-Cymene (p-Isopropyltoluene)	2.00	3.90	3.90 J	-	ug/l	H1
789MW-98_0624 FC16676-5	N	sec-Butylbenzene	2.00	4.10	4.10 J	-	ug/l	C/H1
789MW-98_0624 FC16676-5	N	Styrene	2.00	1.00 U	1.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	tert-Butylbenzene	2.00	0.770 J	0.770 J	-	ug/l	H1/TR
789MW-98_0624 FC16676-5	N	Tetrachloroethene (PCE)	2.00	1.00 U	1.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	Toluene	2.00	0.680 J	0.680 J	-	ug/l	H1/TR
789MW-98_0624 FC16676-5	N	trans-1,2-Dichloroethene	2.00	1.00 U	1.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	trans-1,3-Dichloropropene	2.00	1.00 U	1.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	Trichloroethene (TCE)	2.00	1.00 U	1.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	Trichlorofluoromethane	4.00	2.00 U	2.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	Vinyl acetate	20.0	10.0 U	10.0 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	Vinyl chloride	2.00	1.00 U	1.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	Xylenes, Total	6.00	32.8	32.8 J	-	ug/l	H1

Analytes not found in project samples are reported as not detected at the limit of detection (LOD) unless blank contamination occurs and then the sample may be reported as not detected at the (LOD) or (LOQ) based on the sample concentration and the validation guidance. In instances where no LOD is provided, results are reported down to the LOQ.

Quality Control Outliers for test method SW8260D, LCS Recovery

The laboratory control sample/laboratory control sample duplicate (LCS/LCSD) serves as a monitor of the overall performance of each step during the analysis, including the sample preparation. Reported results were evaluated to determine compliance with the required acceptance criteria, and summary forms were evaluated and compared to electronic data deliverables. Findings of this review, and any associated qualified results, are listed below.

Sample ID/ Lab Sample ID	Analyte	Result	Warning Limits	Control Limits	Units	Qualifier	Reason Code	Comment
V2A1914-BS (BS) V2A1914-BS	sec-Butylbenzene	82.0	83 - 133	83 - 133	percent	J/UJ	C	
V2A1921-BS (BS) V2A1921-BS	4-Chlorotoluene	81.0	83 - 130	83 - 130	percent	J/UJ	C	
V2A1921-BS (BS) V2A1921-BS	sec-Butylbenzene	78.0	83 - 133	83 - 133	percent	J/UJ	C	

Where two qualifiers are listed, such as 'J/UJ', the first applies to positive results, and the second to non-detect results.
Upper and Lower Warning and Control Limits are abbreviated UWL, LWL, UCL, and LCL in the Comment field.

Qualified Results associated with the LCS Recovery for SW8260D

FieldSample ID	Type	Analyte	LOQ	Lab Result	Qualified Result	Bias	Units	Reason
789-AB01_0624-D FC16676-14	AB	sec-Butylbenzene	1.00	0.500 U	0.500 UJ		ug/l	C
789MW-135_0624 FC16676-1	N	sec-Butylbenzene	1.00	0.500 U	0.500 UJ		ug/l	C
789MW-216_0624 FC16676-8	N	sec-Butylbenzene	1.00	0.270 J	0.270 J	-	ug/l	C/TR
789MW-222_0624 FC16676-9	N	sec-Butylbenzene	1.00	0.500 U	0.500 UJ		ug/l	C
789MW-251_0624 FC16676-10	N	sec-Butylbenzene	1.00	0.500 U	0.500 UJ		ug/l	C
789MW-46R_0624 FC16676-2	N	sec-Butylbenzene	1.00	0.500 U	0.500 UJ		ug/l	C
789MW-83_0624 FC16676-3	N	sec-Butylbenzene	1.00	0.500 U	0.500 UJ		ug/l	C
789MW-95_0624 FC16676-4	N	sec-Butylbenzene	1.00	0.500 U	0.500 UJ		ug/l	C
789MW-98_0624 FC16676-5	N	4-Chlorotoluene	2.00	1.00 U	1.00 UJ		ug/l	C/H1
789MW-98_0624 FC16676-5	N	sec-Butylbenzene	2.00	4.10	4.10 J	-	ug/l	C/H1
789MW-99_0624 FC16676-6	N	sec-Butylbenzene	1.00	0.840 J	0.840 J	-	ug/l	C/TR
789MW-99_0624-A FC16676-7	FD	sec-Butylbenzene	1.00	0.810 J	0.810 J	-	ug/l	C/TR
789SW-02_0624 FC16676-11	N	sec-Butylbenzene	1.00	0.500 U	0.500 UJ		ug/l	C
789SW-03_0624 FC16676-12	N	sec-Butylbenzene	1.00	0.500 U	0.500 UJ		ug/l	C
789SW-04_0624 FC16676-13	N	sec-Butylbenzene	1.00	0.500 U	0.500 UJ		ug/l	C

Qualified Results associated with the LCS Recovery for SW8260D

FieldSample ID	Type	Analyte	LOQ	Lab Result	Qualified Result	Bias	Units	Reason
789-TB01_0624-C FC16676-15	TB	sec-Butylbenzene	1.00	0.500 U	0.500 UJ		ug/l	C

Analytes not found in project samples are reported as not detected at the limit of detection (LOD) unless blank contamination occurs and then the sample may be reported as not detected at the (LOD) or (LOQ) based on the sample concentration and the validation guidance. In instances where no LOD is provided, results are reported down to the LOQ.

Table of All Qualified Results

Test Method: SW8260D		**Extraction Method: SW5030B**						
FieldSample ID / LabSample ID	Type	Analyte	LOQ	Lab Result	Qualified Result	Bias	Units	Reason
789-AB01_0624-D FC16676-14	AB	sec-Butylbenzene	1.00	0.500 U	0.500 UJ		ug/l	C
789MW-135_0624 FC16676-1	N	sec-Butylbenzene	1.00	0.500 U	0.500 UJ		ug/l	C
789MW-216_0624 FC16676-8	N	sec-Butylbenzene	1.00	0.270 J	0.270 J	-	ug/l	C/TR
789MW-222_0624 FC16676-9	N	sec-Butylbenzene	1.00	0.500 U	0.500 UJ		ug/l	C
789MW-251_0624 FC16676-10	N	sec-Butylbenzene	1.00	0.500 U	0.500 UJ		ug/l	C
789MW-46R_0624 FC16676-2	N	sec-Butylbenzene	1.00	0.500 U	0.500 UJ		ug/l	C
789MW-83_0624 FC16676-3	N	sec-Butylbenzene	1.00	0.500 U	0.500 UJ		ug/l	C
789MW-95_0624 FC16676-4	N	sec-Butylbenzene	1.00	0.500 U	0.500 UJ		ug/l	C
789MW-98_0624 FC16676-5	N	1,1,1,2-Tetrachloroethane	2.00	1.00 U	1.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	1,1,1-Trichloroethane	2.00	1.00 U	1.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	1,1,2,2-Tetrachloroethane	2.00	1.00 U	1.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	1,1,2-Trichloroethane	2.00	1.00 U	1.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	1,1-Dichloroethane	2.00	1.00 U	1.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	1,1-Dichloroethene	2.00	1.00 U	1.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	1,1-Dichloropropene	2.00	1.00 U	1.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	1,2,3-Trichlorobenzene	4.00	2.00 U	2.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	1,2,3-Trichloropropane	4.00	2.00 U	2.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	1,2,4-Trichlorobenzene	4.00	2.00 U	2.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	1,2,4-Trimethylbenzene	2.00	88.7	88.7 J	-	ug/l	H1
789MW-98_0624 FC16676-5	N	1,2-Dibromo-3-chloropropane	10.0	4.00 U	4.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	1,2-Dibromoethane (EDB)	4.00	2.00 U	2.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	1,2-Dichlorobenzene	2.00	1.00 U	1.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	1,2-Dichloroethane	2.00	1.00 U	1.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	1,2-Dichloroethene	4.00	2.00 U	2.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	1,2-Dichloropropane	2.00	1.00 U	1.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	1,3,5-Trimethylbenzene	2.00	30.9	30.9 J	-	ug/l	H1

Table of All Qualified Results

Test Method: SW8260D		Extraction Method: SW5030B						
FieldSample ID / LabSample ID	Type	Analyte	LOQ	Lab Result	Qualified Result	Bias	Units	Reason
789MW-98_0624 FC16676-5	N	1,3-Dichlorobenzene	2.00	1.00 U	1.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	1,3-Dichloropropane	2.00	1.00 U	1.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	1,4-Dichlorobenzene	2.00	1.00 U	1.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	2,2-Dichloropropane	2.00	1.00 U	1.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	2-Butanone (MEK)	10.0	7.00 U	7.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	2-Chlorotoluene	2.00	1.00 U	1.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	2-Hexanone	20.0	10.0 U	10.0 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	4-Chlorotoluene	2.00	1.00 U	1.00 UJ		ug/l	C/H1
789MW-98_0624 FC16676-5	N	4-Methyl-2-pentanone (MIBK)	10.0	2.90 J	2.90 J	-	ug/l	H1/TR
789MW-98_0624 FC16676-5	N	Acetone	50.0	40.0 U	40.0 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	Benzene	2.00	13.6	13.6 J	-	ug/l	H1
789MW-98_0624 FC16676-5	N	Bromobenzene	2.00	1.00 U	1.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	Bromochloromethane	2.00	1.00 U	1.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	Bromodichloromethane	2.00	1.00 U	1.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	Bromoform	2.00	1.00 U	1.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	Bromomethane	10.0	8.00 U	8.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	Carbon disulfide	4.00	2.00 U	2.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	Carbon Tetrachloride	2.00	1.00 U	1.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	Chlorobenzene	2.00	1.00 U	1.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	Chloroethane	4.00	2.00 U	2.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	Chloroform	2.00	1.00 U	1.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	Chloromethane	4.00	2.00 U	2.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	cis-1,2-Dichloroethene	2.00	1.00 U	1.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	cis-1,3-Dichloropropene	2.00	1.00 U	1.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	Cumene	2.00	3.90	3.90 J	-	ug/l	H1
789MW-98_0624 FC16676-5	N	Dibromochloromethane	2.00	1.00 U	1.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	Dibromomethane	4.00	1.00 U	1.00 UJ		ug/l	H1

Table of All Qualified Results

Test Method: SW8260D		Extraction Method: SW5030B						
FieldSample ID / LabSample ID	Type	Analyte	LOQ	Lab Result	Qualified Result	Bias	Units	Reason
789MW-98_0624 FC16676-5	N	Dichlorodifluoromethane	4.00	2.00 U	2.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	Ethylbenzene	2.00	5.80	5.80 J	-	ug/l	H1
789MW-98_0624 FC16676-5	N	Hexachlorobutadiene	4.00	2.00 U	2.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	m,p-Xylene	4.00	30.4	30.4 J	-	ug/l	H1
789MW-98_0624 FC16676-5	N	Methyl tert-butyl ether (MTBE)	2.00	1.00 U	1.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	Methylene chloride	10.0	8.00 U	8.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	Naphthalene	10.0	8.80 J	8.80 J	-	ug/l	H1/TR
789MW-98_0624 FC16676-5	N	n-Butylbenzene	2.00	5.30	5.30 J	-	ug/l	H1
789MW-98_0624 FC16676-5	N	n-Propylbenzene	2.00	9.40	9.40 J	-	ug/l	H1
789MW-98_0624 FC16676-5	N	o-Xylene	2.00	2.40	2.40 J	-	ug/l	H1
789MW-98_0624 FC16676-5	N	p-Cymene (p-Isopropyltoluene)	2.00	3.90	3.90 J	-	ug/l	H1
789MW-98_0624 FC16676-5	N	sec-Butylbenzene	2.00	4.10	4.10 J	-	ug/l	C/H1
789MW-98_0624 FC16676-5	N	Styrene	2.00	1.00 U	1.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	tert-Butylbenzene	2.00	0.770 J	0.770 J	-	ug/l	H1/TR
789MW-98_0624 FC16676-5	N	Tetrachloroethene (PCE)	2.00	1.00 U	1.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	Toluene	2.00	0.680 J	0.680 J	-	ug/l	H1/TR
789MW-98_0624 FC16676-5	N	trans-1,2-Dichloroethene	2.00	1.00 U	1.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	trans-1,3-Dichloropropene	2.00	1.00 U	1.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	Trichloroethene (TCE)	2.00	1.00 U	1.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	Trichlorofluoromethane	4.00	2.00 U	2.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	Vinyl acetate	20.0	10.0 U	10.0 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	Vinyl chloride	2.00	1.00 U	1.00 UJ		ug/l	H1
789MW-98_0624 FC16676-5	N	Xylenes, Total	6.00	32.8	32.8 J	-	ug/l	H1
789MW-99_0624 FC16676-6	N	sec-Butylbenzene	1.00	0.840 J	0.840 J	-	ug/l	C/TR
789MW-99_0624-A FC16676-7	FD	sec-Butylbenzene	1.00	0.810 J	0.810 J	-	ug/l	C/TR

Table of All Qualified Results

Test Method: SW8260D		Extraction Method: SW5030B						
FieldSample ID / LabSample ID	Type	Analyte	LOQ	Lab Result	Qualified Result	Bias	Units	Reason
789SW-02_0624 FC16676-11	N	sec-Butylbenzene	1.00	0.500 U	0.500 UJ		ug/l	C
789SW-03_0624 FC16676-12	N	sec-Butylbenzene	1.00	0.500 U	0.500 UJ		ug/l	C
789SW-04_0624 FC16676-13	N	sec-Butylbenzene	1.00	0.500 U	0.500 UJ		ug/l	C
789-TB01_0624-C FC16676-15	TB	sec-Butylbenzene	1.00	0.500 U	0.500 UJ		ug/l	C

Analytes not found in project samples are reported as not detected at the limit of detection (LOD) unless blank contamination occurs and then the sample may be reported as not detected at the (LOQ) based on the sample concentration.
In instances where no LOD is provided, results are reported down to the LOQ.
Trace values are not included in the qualified results table unless additional reason codes are associated.

Reason Code Definitions

Code	Definition
A1	Ambient Blank
C	LCS Recovery
H1	Test Hold Time
TR	Trace Level Detect

Flag Code and Definitions

Flag	Definition
J	Estimated Value
U	Undetected: The analyte was analyzed for, but not detected.
UJ	The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria.

Bias

-	The result may be biased low
+	The result may be biased high

Note - The bias field is a separate field; however, it is an integral part of the final flag (qualifier) on the sample result

Sample Types

SACODE	Definition
AB	Ambient Blank
BS	Blank Spike
FD	Field Duplicate
LB	Laboratory Blank
MS	Matrix Spike
N	Normal
SD	Matrix Spike Duplicate
TB	Trip Blank

Review Questions

Method: SW8260D (Volatile Organic Compounds by GC/MS)

Review Questions	Yes	No	NA	Comment
Were there discrepancies between the COC and the samples received?		•		
Were there discrepancies between the COC and the sample labels?		•		
Were samples relinquished properly on the COC?		•		See Narrative Comments.
Were all samples properly preserved?	•			
Were sampling dates/times, date and time of laboratory receipt of samples, and sample conditions upon receipt at the laboratory (including preservation, pH, and temperature) documented?	•			
Were sample results reported with percent moisture correction if required?			•	
Were analytical methods performed and analysis dates present?	•			
Were all requested target analytes reported?	•			
Were QAPP specified Project Quantitation Limit Goals achieved? (The laboratory LOQ is compared to the QAPP Project Quantitation Goal)		•		Various compounds are reported with detections and non-detects at levels (LOQs) greater than the project PQGs and project PALs were not met.
Were holding times met?		•		See QC outliers. The laboratory noted that the analysis of sample 5 in batch V2A1914 is a confirmation run. The sample was re-analyzed beyond hold time.
Were trip blanks analyzed at the proper frequency and in control?	•			
Were field blanks analyzed at the proper frequency and in control?		•		See QC outliers. Ambient blank.
Were equipment blanks analyzed at the proper frequency and in control?			•	
Was a method blank prepared and analyzed with each batch?	•			
Were target analytes in the method blank less than DL?	•			
Was an LCS/LCSD pair prepared and analyzed with each batch?		•		LCS only.
Were LCS/LCSD recoveries within project acceptance limits?		•		See QC outliers. The laboratory noted that sample 5 is associated with a blank spike that has a recovery for Dichlorodifluoromethane outside of DoD QSM control limits. The recovery was within project acceptance limits and no action was required.
Was the LCS/LCSD RPD within project acceptance limits?			•	
Was a MS/MSD pair prepared with each batch?	•			It was noted that one of two batches have an SDG specific MS/MSD.
Were MS/MSD recoveries within project acceptance limits?	•			The laboratory noted recoveries out of control for a non-SDG MS/MSD. No action was required on this basis.
Was the MS/MSD RPD within project acceptance limits?	•			The laboratory noted RPD out of control for a non-SDG MS/MSD. No action was required on this basis.
If ISM ws used for sample collection, were laboratory triplicates analyzed and within project acceptance limits?			•	
Were surrogate recoveries within project acceptance limits?	•			
Were field replicates (duplicates, triplicates, etc.) analyzed at the proper frequency and in control?	•			

Review Questions

Method: SW8260D (Volatile Organic Compounds by GC/MS)				
Review Questions	Yes	No	NA	Comment
Were reported sample concentrations within calibration range?	•			
Was the GC/MS system properly tuned based on method criteria?	•			
Was instrument tuning completed every 12 hours during sample analysis?	•			
Was the Calibration within project acceptance criteria?	•			
Was a ICV performed after each ICAL prior to sample analysis and within project acceptance criteria?	•			
Were CCVs run at the required frequency and within project acceptance criteria?	•			
Were internal standard retention times and area criteria within project acceptance criteria?	•			
Were internal standards spiked for every sample, standard, and QC sample?	•			
Were instrument run logs present and filled out appropriately?	•			
Were sample preparation sheets present and filled out appropriately?			•	
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?	•			
Were DoD QSM corrective actions followed if deviations were noted?			•	
Were any data recommended for exclusion in the data validation process?		•		

Appendix D-3
2024 Quarter 3 Data Validation Report

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Project:	Griffiss Air Force Base, BECOS
Event:	2024 Griffiss Petro Q3
SDG:	FC19116A
Guidance Document:	Final Basewide Uniform Federal Policy Quality Assurance Project Plan, Long Term Monitoring, Former Griffiss Air Force Base, Rome, New York, April 2022
Prime Contractor:	Bhate Environmental Associates, Inc., Birmingham, AL
Project Manager:	Todd Calhoun
Contract Laboratory(ies):	SGS North America, Inc., Orlando, FL
Data Review Contractor:	Synectics, Sacramento, CA
Data Review Level:	S2BVEM
Primary Data Reviewer:	Calvin Tanaka, Data Review Chemist
Second Reviewer:	Evin McKinney, Senior Scientist
Date Submitted:	February 10, 2025

Field Sample ID	Lab Sample ID	Matrix	Type/Type Code	SW8260D
789MW-222_0924	FC19116-7	Water	Field Sample/N	X
789MW-83_0924	FC19116-8	Water	Field Sample/N	X
789MW-98_0924	FC19116-9	Water	Field Sample/N	X
789MW-99_0924	FC19116-5	Water	Field Sample/N	X
789MW-99_0924-A	FC19116-6	Water	Field Duplicate/FD	X

This report assesses the analytical data quality associated with the analyses listed on the preceding cover page at S2BVEM data validation level. This assessment has been made through a combination of automated data review (ADR) and supplemental manual review, the details of which are described below. The approach taken in the review of this data set is consistent with the requirements contained in the Final Basewide Uniform Federal Policy Quality Assurance Project Plan, Long Term Monitoring, Former Griffiss Air Force Base, Rome, New York, April 2022 and the additional guidance documents incorporated by reference to the extent possible. Where definitive guidance is not provided, results have been evaluated in a conservative manner using professional judgment.

Sample collection was managed and directed by Bhate Environmental Associates, Inc., Birmingham, AL; analyses were performed by SGS North America, Inc., Orlando, FL and were reported under sample delivery group (SDG) FC19116A. Data have been evaluated electronically based on electronic data deliverables (EDDs) provided by the laboratory, and hard copy data summary forms have also been reviewed during this effort and compared to the automated review output by the reviewers whose signatures appear on the following page. Findings based on the automated data submission and manual data verification processes are detailed in the ADR narrative and throughout this report.

All quality control (QC) elements associated with this SDG have been reviewed by a project chemist in accordance with the requirements defined for the project. This review is documented in the attached Data Review Checklists. The QC elements listed below were supported by the electronic deliverable and were evaluated using ADR processes.

- Field Duplicate RPD
- Lab Blank
- LCS Recovery
- MS Recovery
- MS RPD
- Prep Hold Time
- Surrogate
- Test Hold Time

Results of the ADR process were subsequently reviewed and updated as applicable by the data review chemists identified on the signature page. Quality control elements that were not included in the electronic deliverable were reviewed manually and findings are documented within this report. Summaries of findings and associated qualified results are documented throughout this report.

A total of 2 results (0.59%) out of the 340 results (sample and field QC samples) reported are qualified based on review and 0 results (0.00%) have been rejected or deemed a serious deficiency (X qualifier). Trace values, defined as results that are qualified as estimated because they fall between the detection limit and the reporting limit/limit of quantitation, are not counted as qualified results in the above count. The qualified results are detailed throughout this report and discussed in the narrative below, where appropriate.

Narrative Comments

Analytical Method	Data Reviewer Comment
SW8260D	No additional comments; see Checklist for detail.

February 06, 2025

Reviewed by Calvin Tanaka, Data Review Chemist, Synectics, Sacramento, CA

As the First Reviewer, I certify that I have performed a data review process in accordance with the requirements of the project guidance document, and have compared the electronic data to the laboratory's hard copy report and have verified the consistency of the reported sample results and method quality control data between the two deliverables.

Reviewed by Evin McKinney, Senior Scientist, Synectics, Sacramento, CA

February 10, 2025

As the Second Reviewer, I certify that I have performed a quality assurance review of the report generated by the First Reviewer.

Quality Control Outliers for test method SW8260D, Continuing Calibration Verification

Compliance requirements for satisfactory continuing calibration are established to ensure that the instrument is capable of producing acceptable qualitative and quantitative data. Continuing calibration is performed to verify and evaluate instrument performance during sample analysis. Summary forms were evaluated against project acceptance criteria, and any associated qualified results, are listed below.

Sample ID/ Lab Sample ID	Analyte	Result	Control Limits	Reject Limits	Units	Qualifier	Reason Code	Comment
V1A3062-CC3047 (CV)	Vinyl acetate	126.0	80 - 120	50 - 150	percent	J/None	V2	

Where two qualifiers are listed, such as 'J/UJ', the first applies to positive results, and the second to non-detect results.
Upper and Lower Warning and Control Limits are abbreviated UWL, LWL, UCL, and LCL in the Comment field.

*Rejection limits may pertain to data that is excluded and "X" or "R" qualifier or data that is qualified with another flag, as reflected in the QC Elements report under Reports, Environmental Setup reports.

No results associated with this QC element required qualification.

Quality Control Outliers for test method SW8260D, Field Duplicate RPD

Field duplicate analyses are performed in order to assess sample collection/laboratory precision for each sample matrix. Summary forms were evaluated and compared to electronic data deliverables. Field duplicate results that were outside of the acceptance criteria are listed below.

Sample ID/ Lab Sample ID	Analyte	Result	Control Limits	Reject Limits	Units	Qualifier	Reason Code	Comment
789MW-99_0924-A (N) FC19116-6	Naphthalene	33.85	< 30.0	< 30.0	rpd	J/None	D3	

Where two qualifiers are listed, such as 'J/UJ', the first applies to positive results, and the second to non-detect results.
Upper and Lower Warning and Control Limits are abbreviated UWL, LWL, UCL, and LCL in the Comment field.

*Rejection limits may pertain to data that is excluded and "X" or "R" qualifier or data that is qualified with another flag, as reflected in the QC Elements report under Reports, Environmental Setup reports.

Qualified Results associated with the Field Duplicate RPD for SW8260D

FieldSample ID	Type	Analyte	LOQ	Lab Result	Qualified Result	Bias	Units	Reason
789MW-99_0924 FC19116-5	N	Naphthalene	5.00	2.70 J	2.70 J		ug/l	D3/TR
789MW-99_0924-A FC19116-6	FD	Naphthalene	5.00	3.80 J	3.80 J		ug/l	D3/TR

Analytes not found in project samples are reported as not detected at the limit of detection (LOD) unless blank contamination occurs and then the sample may be reported as not detected at the (LOD) or (LOQ) based on the sample concentration and the validation guidance.
In instances where no LOD is provided, results are reported down to the LOQ.

Table of All Qualified Results

Test Method: SW8260D		**Extraction Method: SW5030B**						
FieldSample ID / LabSample ID	Type	Analyte	LOQ	Lab Result	Qualified Result	Bias	Units	Reason
789MW-99_0924 FC19116-5	N	Naphthalene	5.00	2.70 J	2.70 J		ug/l	D3/TR
789MW-99_0924-A FC19116-6	FD	Naphthalene	5.00	3.80 J	3.80 J		ug/l	D3/TR

Analytes not found in project samples are reported as not detected at the limit of detection (LOD) unless blank contamination occurs and then the sample may be reported as not detected at the (LOQ) based on the sample concentration.
In instances where no LOD is provided, results are reported down to the LOQ.
Trace values are not included in the qualified results table unless additional reason codes are associated.

Reason Code Definitions

Code	Definition
D3	Field Duplicate RPD
TR	Trace Level Detect

Flag Code and Definitions

Flag	Definition
J	Estimated Value
U	Undetected: The analyte was analyzed for, but not detected.

Bias

-	The result may be biased low
+	The result may be biased high

Note - The bias field is a separate field; however, it is an integral part of the final flag (qualifier) on the sample result

Sample Types

SACODE	Definition
BS	Blank Spike
FD	Field Duplicate
LB	Laboratory Blank
MS	Matrix Spike
N	Normal
SD	Matrix Spike Duplicate

Review Questions

Method: SW8260D (Volatile Organic Compounds by GC/MS)

Review Questions	Yes	No	NA	Comment
Were the samples received without discrepancies between the samples and the COC?	•			
Were the samples received without discrepancies between the sample labels and the COC?	•			
Were samples relinquished properly on the COC?	•			
Were all samples properly preserved?	•			
Were sampling dates/times, date and time of laboratory receipt of samples, and sample conditions upon receipt at the laboratory (including preservation, pH, and temperature) documented?	•			
Were sample results reported with percent moisture correction if required?			•	
Were analytical methods performed and analysis dates present?	•			
Were all requested target analytes reported?	•			
Were QAPP specified Project Quantitation Limit Goals achieved? (The laboratory LOQ is compared to the QAPP Project Quantitation Goal)		•		Various compounds are reported with detections and non-detects at levels (LOQs) greater than the project PQGs and not all project PALs were met.
Were holding times met?	•			
Were trip blanks analyzed at the proper frequency and in control?			•	
Were field blanks analyzed at the proper frequency and in control?			•	
Were equipment blanks analyzed at the proper frequency and in control?			•	
Was a method blank prepared and analyzed with each batch?	•			
Were target analytes in the method blank less than DL?	•			
Was an LCS/LCSD pair prepared and analyzed with each batch?		•		LCS only
Were LCS/LCSD recoveries within project acceptance limits?	•			
Was the LCS/LCSD RPD within project acceptance limits?			•	
Was a MS/MSD pair prepared with each batch?		•		One of three batches had an SDG specific MS/MSD
Were MS/MSD recoveries within project acceptance limits?	•			
Was the MS/MSD RPD within project acceptance limits?	•			
If ISM ws used for sample collection, were laboratory triplicates analyzed and within project acceptance limits?			•	
Were surrogate recoveries within project acceptance limits?	•			
Were field replicates (duplicates, triplicates, etc.) analyzed at the proper frequency and in control?		•		See QC outliers.
Were reported sample concentrations within calibration range?	•			
Was the GC/MS system properly tuned based on method criteria?	•			
Was instrument tuning completed every 12 hours during sample analysis?	•			
Was the Calibration within project acceptance criteria?	•			
Was a ICV performed after each ICAL prior to sample analysis and within project acceptance criteria?	•			

Review Questions

Method: SW8260D (Volatile Organic Compounds by GC/MS)

Review Questions	Yes	No	NA	Comment
Were CCVs run at the required frequency and within project acceptance criteria?		•		See QC outliers.
Were internal standard retention times and area criteria within project acceptance criteria?	•			
Were internal standards spiked for every sample, standard, and QC sample?	•			
Were instrument run logs present and filled out appropriately?	•			
Were sample preparation sheets present and filled out appropriately?			•	
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?	•			
Were DoD QSM corrective actions followed if deviations were noted?	•			
Were any data recommended for exclusion in the data validation process?		•		

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Project:	Griffiss Air Force Base, BECOS
Event:	2024 Griffiss Petro Q3
SDG:	FC19141A
Guidance Document:	Final Basewide Uniform Federal Policy Quality Assurance Project Plan, Long Term Monitoring, Former Griffiss Air Force Base, Rome, New York, April 2022
Prime Contractor:	Bhate Environmental Associates, Inc., Birmingham, AL
Project Manager:	Todd Calhoun
Contract Laboratory(ies):	SGS North America, Inc., Orlando, FL
Data Review Contractor:	Synectics, Sacramento, CA
Data Review Level:	S2BVEM
Primary Data Reviewer:	Calvin Tanaka, Data Review Chemist
Second Reviewer:	Evin McKinney, Senior Scientist
Date Submitted:	February 10, 2025

Field Sample ID	Lab Sample ID	Matrix	Type/Type Code	SW8260D
789MW-216_0924	FC19141-3	Water	Field Sample/N	X
789SW-02_0924	FC19141-6	Water	Field Sample/N	X
789SW-03_0924	FC19141-7	Water	Field Sample/N	X
789SW-04_0924	FC19141-8	Water	Field Sample/N	X

This report assesses the analytical data quality associated with the analyses listed on the preceding cover page at S2BVEM data validation level. This assessment has been made through a combination of automated data review (ADR) and supplemental manual review, the details of which are described below. The approach taken in the review of this data set is consistent with the requirements contained in the Final Basewide Uniform Federal Policy Quality Assurance Project Plan, Long Term Monitoring, Former Griffiss Air Force Base, Rome, New York, April 2022 and the additional guidance documents incorporated by reference to the extent possible. Where definitive guidance is not provided, results have been evaluated in a conservative manner using professional judgment.

Sample collection was managed and directed by Bhate Environmental Associates, Inc., Birmingham, AL; analyses were performed by SGS North America, Inc., Orlando, FL and were reported under sample delivery group (SDG) FC19141A. Data have been evaluated electronically based on electronic data deliverables (EDDs) provided by the laboratory, and hard copy data summary forms have also been reviewed during this effort and compared to the automated review output by the reviewers whose signatures appear on the following page. Findings based on the automated data submission and manual data verification processes are detailed in the ADR narrative and throughout this report.

All quality control (QC) elements associated with this SDG have been reviewed by a project chemist in accordance with the requirements defined for the project. This review is documented in the attached Data Review Checklists. The QC elements listed below were supported by the electronic deliverable and were evaluated using ADR processes.

- Lab Blank
- LCS Recovery
- Prep Hold Time
- Surrogate
- Test Hold Time

Results of the ADR process were subsequently reviewed and updated as applicable by the data review chemists identified on the signature page. Quality control elements that were not included in the electronic deliverable were reviewed manually and findings are documented within this report. Summaries of findings and associated qualified results are documented throughout this report.

A total of 0 results (0.00%) out of the 272 results (sample and field QC samples) reported are qualified based on review and 0 results (0.00%) have been rejected or deemed a serious deficiency (X qualifier). Trace values, defined as results that are qualified as estimated because they fall between the detection limit and the reporting limit/limit of quantitation, are not counted as qualified results in the above count. The qualified results are detailed throughout this report and discussed in the narrative below, where appropriate.

Narrative Comments

Analytical Method	Data Reviewer Comment
SW8260D	No additional comments; see Checklist for detail.

Reviewed by Calvin Tanaka, Data Review Chemist, Synectics, Sacramento, CA — February 06, 2025

As the First Reviewer, I certify that I have performed a data review process in accordance with the requirements of the project guidance document, and have compared the electronic data to the laboratory's hard copy report and have verified the consistency of the reported sample results and method quality control data between the two deliverables.

Reviewed by Evin McKinney, Senior Scientist, Synectics, Sacramento, CA — February 10, 2025

As the Second Reviewer, I certify that I have performed a quality assurance review of the report generated by the First Reviewer.

Quality Control Outliers for test method SW8260D, Continuing Calibration Verification

Compliance requirements for satisfactory continuing calibration are established to ensure that the instrument is capable of producing acceptable qualitative and quantitative data. Continuing calibration is performed to verify and evaluate instrument performance during sample analysis. Summary forms were evaluated against project acceptance criteria, and any associated qualified results, are listed below.

Sample ID/ Lab Sample ID	Analyte	Result	Control Limits	Reject Limits	Units	Qualifier	Reason Code	Comment
V1A3062-CC3047 (CV)	Vinyl acetate	126.0	80 - 120	50 - 150	percent	J/None	V2	

Where two qualifiers are listed, such as 'J/UJ', the first applies to positive results, and the second to non-detect results.
Upper and Lower Warning and Control Limits are abbreviated UWL, LWL, UCL, and LCL in the Comment field.

*Rejection limits may pertain to data that is excluded and "X" or "R" qualifier or data that is qualified with another flag, as reflected in the QC Elements report under Reports, Environmental Setup reports.

No results associated with this QC element required qualification.

Qualified Results

No results associated with this sample delivery group required qualification.

Reason Code Definitions

Code	Definition
TR	Trace Level Detect

Flag Code and Definitions

Flag	Definition
J	Estimated Value
U	Undetected: The analyte was analyzed for, but not detected.

Bias

-	The result may be biased low
+	The result may be biased high

Note - The bias field is a separate field; however, it is an integral part of the final flag (qualifier) on the sample result

Sample Types

SACODE	Definition
BS	Blank Spike
LB	Laboratory Blank
N	Normal

Review Questions

Method: SW8260D (Volatile Organic Compounds by GC/MS)

Review Questions	Yes	No	NA	Comment
Were the samples received without discrepancies between the samples and the COC?	•			
Were the samples received without discrepancies between the sample labels and the COC?	•			
Were samples relinquished properly on the COC?	•			
Were all samples properly preserved?	•			
Were sampling dates/times, date and time of laboratory receipt of samples, and sample conditions upon receipt at the laboratory (including preservation, pH, and temperature) documented?	•			
Were sample results reported with percent moisture correction if required?			•	
Were analytical methods performed and analysis dates present?	•			
Were all requested target analytes reported?	•			
Were QAPP specified Project Quantitation Limit Goals achieved? (The laboratory LOQ is compared to the QAPP Project Quantitation Goal)		•		Various compounds are reported with non-detects at levels (LOQs) greater than the project PQGs and not all project PALs were met.
Were holding times met?	•			
Were trip blanks analyzed at the proper frequency and in control?			•	
Were field blanks analyzed at the proper frequency and in control?			•	
Were equipment blanks analyzed at the proper frequency and in control?			•	
Was a method blank prepared and analyzed with each batch?	•			
Were target analytes in the method blank less than DL?	•			
Was an LCS/LCSD pair prepared and analyzed with each batch?		•		LCS only
Were LCS/LCSD recoveries within project acceptance limits?	•			
Was the LCS/LCSD RPD within project acceptance limits?			•	
Was a MS/MSD pair prepared with each batch?		•		Non-SDG sample.
Were MS/MSD recoveries within project acceptance limits?			•	
Was the MS/MSD RPD within project acceptance limits?			•	
If ISM ws used for sample collection, were laboratory triplicates analyzed and within project acceptance limits?			•	
Were surrogate recoveries within project acceptance limits?	•			
Were field replicates (duplicates, triplicates, etc.) analyzed at the proper frequency and in control?			•	
Were reported sample concentrations within calibration range?	•			
Was the GC/MS system properly tuned based on method criteria?	•			
Was instrument tuning completed every 12 hours during sample analysis?	•			
Was the Calibration within project acceptance criteria?	•			
Was a ICV performed after each ICAL prior to sample analysis and within project acceptance criteria?	•			
Were CCVs run at the required frequency and within project acceptance criteria?		•		See QC outliers.

Review Questions

Method: SW8260D (Volatile Organic Compounds by GC/MS)

Review Questions	Yes	No	NA	Comment
Were internal standard retention times and area criteria within project acceptance criteria?	•			
Were internal standards spiked for every sample, standard, and QC sample?	•			
Were instrument run logs present and filled out appropriately?	•			
Were sample preparation sheets present and filled out appropriately?			•	
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?	•			
Were DoD QSM corrective actions followed if deviations were noted?	•			
Were any data recommended for exclusion in the data validation process?		•		

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Data Validation Report for FC19317A

Project:	Griffiss Air Force Base, BECOS
Event:	2024 Griffiss OBGW
SDG:	FC19317A
Guidance Document:	Final Basewide Uniform Federal Policy Quality Assurance Project Plan, Long Term Monitoring, Former Griffiss Air Force Base, Rome, New York, April 2022
Prime Contractor:	Bhate Environmental Associates, Inc., Birmingham, AL
Project Manager:	Frank Gardner
Contract Laboratory(ies):	SGS North America, Inc., Orlando, FL
Data Review Contractor:	Synectics, Sacramento, CA
Data Review Level:	S2BVEM
Primary Data Reviewer:	Calvin Tanaka, Data Review Chemist
Second Reviewer:	Evin McKinney, Senior Scientist
Date Submitted:	March 11, 2025

Field Sample ID	Lab Sample ID	Matrix	Type/Type Code	SW8260D
789MW-251_0924	FC19317-1	Water	Field Sample/N	X

This report assesses the analytical data quality associated with the analyses listed on the preceding cover page at S2BVEM data validation level. This assessment has been made through a combination of automated data review (ADR) and supplemental manual review, the details of which are described below. The approach taken in the review of this data set is consistent with the requirements contained in the Final Basewide Uniform Federal Policy Quality Assurance Project Plan, Long Term Monitoring, Former Griffiss Air Force Base, Rome, New York, April 2022 and the additional guidance documents incorporated by reference to the extent possible. Where definitive guidance is not provided, results have been evaluated in a conservative manner using professional judgment.

Sample collection was managed and directed by Bhate Environmental Associates, Inc., Birmingham, AL; analyses were performed by SGS North America, Inc., Orlando, FL and were reported under sample delivery group (SDG) FC19317A. Data have been evaluated electronically based on electronic data deliverables (EDDs) provided by the laboratory, and hard copy data summary forms have also been reviewed during this effort and compared to the automated review output by the reviewers whose signatures appear on the following page. Findings based on the automated data submission and manual data verification processes are detailed in the ADR narrative and throughout this report.

All quality control (QC) elements associated with this SDG have been reviewed by a project chemist in accordance with the requirements defined for the project. This review is documented in the attached Data Review Checklists. The QC elements listed below were supported by the electronic deliverable and were evaluated using ADR processes.

- Lab Blank
- LCS Recovery
- Prep Hold Time
- Surrogate
- Test Hold Time

Results of the ADR process were subsequently reviewed and updated as applicable by the data review chemists identified on the signature page. Quality control elements that were not included in the electronic deliverable were reviewed manually and findings are documented within this report. Summaries of findings and associated qualified results are documented throughout this report.

A total of 0 results (0.00%) out of the 68 results (sample and field QC samples) reported are qualified based on review and 0 results (0.00%) have been rejected or deemed a serious deficiency (X qualifier). Trace values, defined as results that are qualified as estimated because they fall between the detection limit and the reporting limit/limit of quantitation, are not counted as qualified results in the above count. The qualified results are detailed throughout this report and discussed in the narrative below, where appropriate.

Narrative Comments

Analytical Method	Data Reviewer Comment
SW8260D	No additional comments; see Checklist for detail.

March 03, 2025

Reviewed by Calvin Tanaka, Data Review Chemist, Synectics, Sacramento, CA

As the First Reviewer, I certify that I have performed a data review process in accordance with the requirements of the project guidance document, and have compared the electronic data to the laboratory's hard copy report and have verified the consistency of the reported sample results and method quality control data between the two deliverables.

March 11, 2025

Reviewed by Evin McKinney, Senior Scientist, Synectics, Sacramento, CA

As the Second Reviewer, I certify that I have performed a quality assurance review of the report generated by the First Reviewer.

No Outliers were associated with this sample delivery group.

Qualified Results

No results associated with this sample delivery group required qualification.

Reason Code Definitions

Code	Definition
TR	Trace Level Detect

Flag Code and Definitions

Flag	Definition
J	Estimated Value
U	Undetected: The analyte was analyzed for, but not detected.

Bias

-	The result may be biased low
+	The result may be biased high

Note - The bias field is a separate field; however, it is an integral part of the final flag (qualifier) on the sample result

Sample Types

SACODE	Definition
BS	Blank Spike
LB	Laboratory Blank
N	Normal

Review Questions

Method: SW8260D (Volatile Organic Compounds by GC/MS)

Review Questions	Yes	No	NA	Comment
Were the samples received without discrepancies between the samples and the COC?	•			
Were the samples received without discrepancies between the sample labels and the COC?	•			
Were samples relinquished properly on the COC?	•			
Were all samples properly preserved?	•			
Were sampling dates/times, date and time of laboratory receipt of samples, and sample conditions upon receipt at the laboratory (including preservation, pH, and temperature) documented?	•			
Were sample results reported with percent moisture correction if required?			•	
Were analytical methods performed and analysis dates present?	•			
Were all requested target analytes reported?	•			
Were QAPP specified Project Quantitation Limit Goals achieved? (The laboratory LOQ is compared to the QAPP Project Quantitation Goal)		•		Various compounds are reported with detections and non-detects at levels (LOQs) greater than the project PQGs and not all project PALs were met.
Were holding times met?	•			
Were trip blanks analyzed at the proper frequency and in control?			•	
Were field blanks analyzed at the proper frequency and in control?			•	
Were equipment blanks analyzed at the proper frequency and in control?			•	
Was a method blank prepared and analyzed with each batch?	•			
Were target analytes in the method blank less than DL?	•			
Was an LCS/LCSD pair prepared and analyzed with each batch?		•		LCS only.
Were LCS/LCSD recoveries within project acceptance limits?	•			
Was the LCS/LCSD RPD within project acceptance limits?			•	
Was a MS/MSD pair prepared with each batch?		•		Non-SDG sample
Were MS/MSD recoveries within project acceptance limits?			•	
Was the MS/MSD RPD within project acceptance limits?			•	
If ISM ws used for sample collection, were laboratory triplicates analyzed and within project acceptance limits?			•	
Were surrogate recoveries within project acceptance limits?	•			
Were field replicates (duplicates, triplicates, etc.) analyzed at the proper frequency and in control?			•	
Were reported sample concentrations within calibration range?	•			
Was the GC/MS system properly tuned based on method criteria?	•			
Was instrument tuning completed every 12 hours during sample analysis?	•			
Was the Calibration within project acceptance criteria?	•			
Was a ICV performed after each ICAL prior to sample analysis and within project acceptance criteria?	•			
Were CCVs run at the required frequency and within project acceptance criteria?	•			

Review Questions

Method: SW8260D (Volatile Organic Compounds by GC/MS)

Review Questions	Yes	No	NA	Comment
Were internal standard retention times and area criteria within project acceptance criteria?	•			
Were internal standards spiked for every sample, standard, and QC sample?	•			
Were instrument run logs present and filled out appropriately?	•			
Were sample preparation sheets present and filled out appropriately?			•	
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?	•			
Were DoD QSM corrective actions followed if deviations were noted?	•			
Were any data recommended for exclusion in the data validation process?		•		

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Appendix D-4
2024 Quarter 4 Data Validation Report

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Data Validation Report for FC21423

Project:	Griffiss Air Force Base, BECOS
Event:	2024 Griffiss Petro Q4
SDG:	FC21423
Guidance Document:	Final Basewide Uniform Federal Policy Quality Assurance Project Plan, Long Term Monitoring, Former Griffiss Air Force Base, Rome, New York, April 2022
Prime Contractor:	Bhate Environmental Associates, Inc., Birmingham, AL
Project Manager:	Frank Gardner
Contract Laboratory(ies):	SGS North America, Inc., Orlando, FL
Data Review Contractor:	Synectics, Sacramento, CA
Data Review Level:	S2BVEM
Primary Data Reviewer:	Evin McKinney, Senior Scientist
Date Submitted:	February 12, 2025

Field Sample ID	Lab Sample ID	Matrix	Type/Type Code	SW8260D
789-AB01_1224-D	FC21423-13	Water	Ambient Blank/AB	X
789MW-135_1224	FC21423-1	Water	Field Sample/N	X
789MW-216_1224	FC21423-7	Water	Field Sample/N	X
789MW-222_1224	FC21423-8	Water	Field Sample/N	X
789MW-251_1224	FC21423-9	Water	Field Sample/N	X
789MW-46R_1224	FC21423-2	Water	Field Sample/N	X
789MW-83_1224	FC21423-3	Water	Field Sample/N	X
789MW-95_1224	FC21423-4	Water	Field Sample/N	X
789MW-99_1224	FC21423-5	Water	Field Sample/N	X
789MW-99_1224-A	FC21423-6	Water	Field Duplicate/FD	X
789SW-02_1224	FC21423-10	Water	Field Sample/N	X
789SW-03_1224	FC21423-11	Water	Field Sample/N	X
789SW-04_1224	FC21423-12	Water	Field Sample/N	X
789-TB01_1224-C	FC21423-14	Water	Trip Blank/TB	X

This report assesses the analytical data quality associated with the analyses listed on the preceding cover page at S2BVEM data validation level. This assessment has been made through a combination of automated data review (ADR) and supplemental manual review, the details of which are described below. The approach taken in the review of this data set is consistent with the requirements contained in the Final Basewide Uniform Federal Policy Quality Assurance Project Plan, Long Term Monitoring, Former Griffiss Air Force Base, Rome, New York, April 2022 and the additional guidance documents incorporated by reference to the extent possible. Where definitive guidance is not provided, results have been evaluated in a conservative manner using professional judgment.

Sample collection was managed and directed by Bhate Environmental Associates, Inc., Birmingham, AL; analyses were performed by SGS North America, Inc., Orlando, FL and were reported under sample delivery group (SDG) FC21423. Data have been evaluated electronically based on electronic data deliverables (EDDs) provided by the laboratory, and hard copy data summary forms have also been reviewed during this effort and compared to the automated review output by the reviewers whose signatures appear on the following page. Findings based on the automated data submission and manual data verification processes are detailed in the ADR narrative and throughout this report.

All quality control (QC) elements associated with this SDG have been reviewed by a project chemist in accordance with the requirements defined for the project. This review is documented in the attached Data Review Checklists. The QC elements listed below were supported by the electronic deliverable and were evaluated using ADR processes.

- Ambient Blank
- Field Duplicate RPD
- Lab Blank
- LCS Recovery
- MS Recovery
- MS RPD
- Prep Hold Time
- Surrogate
- Test Hold Time
- Trip Blank

Results of the ADR process were subsequently reviewed and updated as applicable by the data review chemists identified on the signature page. Quality control elements that were not included in the electronic deliverable were reviewed manually and findings are documented within this report. Summaries of findings and associated qualified results are documented throughout this report.

A total of 7 results (0.74%) out of the 952 results (sample and field QC samples) reported are qualified based on review and 0 results (0.00%) have been rejected or deemed a serious deficiency (X qualifier). Trace values, defined as results that are qualified as estimated because they fall between the detection limit and the reporting limit/limit of quantitation, are not counted as qualified results in the above count. The qualified results are detailed throughout this report and discussed in the narrative below, where appropriate.

Narrative Comments

It was noted that corrections on the COC were not dated.

Analytical Method	Data Reviewer Comment
SW8260D	No additional comments; see Checklist for detail.

Evin McKinney

February 12, 2025

Reviewed by Evin McKinney, Senior Scientist, Synectics, Sacramento, CA

As the Reviewer, I certify that I have performed a data review process in accordance with the requirements of the project guidance document, and have compared the electronic data to the laboratory's hard copy report and have verified the consistency of the reported sample results and method quality control data between the two deliverables.

Quality Control Outliers for test method SW8260D, Field Duplicate RPD

Field duplicate analyses are performed in order to assess sample collection/laboratory precision for each sample matrix. Summary forms were evaluated and compared to electronic data deliverables. Field duplicate results that were outside of the acceptance criteria are listed below.

Sample ID/ Lab Sample ID	Analyte	Result	Control Limits	Reject Limits	Units	Qualifier	Reason Code	Comment
789MW-99_1224-A (N) FC21423-6	Cumene	38.38	< 30.0	< 30.0	rpd	J/None	D3	
789MW-99_1224-A (N) FC21423-6	n-Propylbenzene	43.59	< 30.0	< 30.0	rpd	J/None	D3	
789MW-99_1224-A (N) FC21423-6	sec-Butylbenzene	42.20	< 30.0	< 30.0	rpd	J/None	D3	

Where two qualifiers are listed, such as 'J/UJ', the first applies to positive results, and the second to non-detect results.
Upper and Lower Warning and Control Limits are abbreviated UWL, LWL, UCL, and LCL in the Comment field.

*Rejection limits may pertain to data that is excluded and "X" or "R" qualifier or data that is qualified with another flag, as reflected in the QC Elements report under Reports, Environmental Setup reports.

Qualified Results associated with the Field Duplicate RPD for SW8260D

FieldSample ID	Type	Analyte	LOQ	Lab Result	Qualified Result	Bias	Units	Reason
789MW-99_1224 FC21423-5	N	Cumene	1.00	0.590 J	0.590 J		ug/l	D3/TR
789MW-99_1224 FC21423-5	N	n-Propylbenzene	1.00	0.950 J	0.950 J		ug/l	D3/TR
789MW-99_1224 FC21423-5	N	sec-Butylbenzene	1.00	0.660 J	0.660 J		ug/l	D3/TR
789MW-99_1224-A FC21423-6	FD	Cumene	1.00	0.400 J	0.400 J		ug/l	D3/TR
789MW-99_1224-A FC21423-6	FD	n-Propylbenzene	1.00	0.610 J	0.610 J		ug/l	D3/TR
789MW-99_1224-A FC21423-6	FD	sec-Butylbenzene	1.00	0.430 J	0.430 J		ug/l	D3/TR

Analytes not found in project samples are reported as not detected at the limit of detection (LOD) unless blank contamination occurs and then the sample may be reported as not detected at the (LOD) or (LOQ) based on the sample concentration and the validation guidance.
In instances where no LOD is provided, results are reported down to the LOQ.

Quality Control Outliers for test method SW8260D, MS Recovery

Data for matrix spikes/matrix spike duplicates (MS/MSD) are generated to determine long-term precision and accuracy of the analytical method on various matrices and to demonstrate acceptable compound recovery by the laboratory at the time of sample analysis. These data alone cannot be used to evaluate the precision and accuracy of individual samples. However, when exercising professional judgment, MS/MSD data can be used in conjunction with other available QC information. Reported results were evaluated to determine compliance with the required acceptance criteria, and summary forms were evaluated and compared to electronic data deliverables. Findings of this review, and any associated qualified results, are listed below.

Sample ID/ Lab Sample ID	Analyte	Result	Control Limits	Reject Limits	Units	Qualifier	Reason Code	Comment
789MW-222_1224-MS (MS) FC21423-8MS	Bromomethane	52.00	59 - 143	59 - 143	percent	J/UJ	M	

Where two qualifiers are listed, such as 'J/UJ', the first applies to positive results, and the second to non-detect results.
Upper and Lower Warning and Control Limits are abbreviated UWL, LWL, UCL, and LCL in the Comment field.

*Rejection limits may pertain to data that is excluded and "X" or "R" qualifier or data that is qualified with another flag, as reflected in the QC Elements report under Reports, Environmental Setup reports.

Qualified Results associated with the MS Recovery for SW8260D

FieldSample ID	Type	Analyte	LOQ	Lab Result	Qualified Result	Bias	Units	Reason
789MW-222_1224 FC21423-8	N	Bromomethane	5.00	4.00 U	4.00 UJ		ug/l	M

Analytes not found in project samples are reported as not detected at the limit of detection (LOD) unless blank contamination occurs and then the sample may be reported as not detected at the (LOD) or (LOQ) based on the sample concentration and the validation guidance.
In instances where no LOD is provided, results are reported down to the LOQ.

Quality Control Outliers for test method SW8260D, MS RPD

The objective of matrix spikes/matrix spike duplicates (MS/MSD) RPD analysis is to demonstrate acceptable method precision by the laboratory at the time of analysis. MS/MSD analyses are also performed to generate data that determines the long-term precision of the analytical method on various matrices. Non-homogenous samples can impact the apparent method precision. Summary forms were evaluated and compared to electronic data deliverables. Matrix spikes/matrix spike duplicates results that were outside of the acceptance criteria are listed below.

Sample ID/ Lab Sample ID	Analyte	Result	Control Limits	Reject Limits	Units	Qualifier	Reason Code	Comment
789MW-222_1224-SD (SD) FC21423-8MSD	Bromomethane	26.67	< 19.0	< 19.0	rpd	J/None	D	

Where two qualifiers are listed, such as 'J/UJ', the first applies to positive results, and the second to non-detect results.
Upper and Lower Warning and Control Limits are abbreviated UWL, LWL, UCL, and LCL in the Comment field.

*Rejection limits may pertain to data that is excluded and "X" or "R" qualifier or data that is qualified with another flag, as reflected in the QC Elements report under Reports, Environmental Setup reports.

No results associated with this QC element required qualification.

Table of All Qualified Results

Test Method: SW8260D		Extraction Method: SW5030B						
FieldSample ID / LabSample ID	Type	Analyte	LOQ	Lab Result	Qualified Result	Bias	Units	Reason
789MW-222_1224 FC21423-8	N	Bromomethane	5.00	4.00 U	4.00 UJ		ug/l	M
789MW-99_1224 FC21423-5	N	Cumene	1.00	0.590 J	0.590 J		ug/l	D3/TR
789MW-99_1224 FC21423-5	N	n-Propylbenzene	1.00	0.950 J	0.950 J		ug/l	D3/TR
789MW-99_1224 FC21423-5	N	sec-Butylbenzene	1.00	0.660 J	0.660 J		ug/l	D3/TR
789MW-99_1224-A FC21423-6	FD	Cumene	1.00	0.400 J	0.400 J		ug/l	D3/TR
789MW-99_1224-A FC21423-6	FD	n-Propylbenzene	1.00	0.610 J	0.610 J		ug/l	D3/TR
789MW-99_1224-A FC21423-6	FD	sec-Butylbenzene	1.00	0.430 J	0.430 J		ug/l	D3/TR

Analytes not found in project samples are reported as not detected at the limit of detection (LOD) unless blank contamination occurs and then the sample may be reported as not detected at the (LOQ) based on the sample concentration.
In instances where no LOD is provided, results are reported down to the LOQ.
Trace values are not included in the qualified results table unless additional reason codes are associated.

Reason Code Definitions

Code	Definition
D3	Field Duplicate RPD
M	MS Recovery
TR	Trace Level Detect

Flag Code and Definitions

Flag	Definition
J	Estimated Value
U	Undetected: The analyte was analyzed for, but not detected.
UJ	The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria.

Bias

-	The result may be biased low
+	The result may be biased high

Note - The bias field is a separate field; however, it is an integral part of the final flag (qualifier) on the sample result

Sample Types

SACODE	Definition
AB	Ambient Blank
BS	Blank Spike
FD	Field Duplicate
LB	Laboratory Blank
MS	Matrix Spike
N	Normal
SD	Matrix Spike Duplicate
TB	Trip Blank

Review Questions

Method: SW8260D (Volatile Organic Compounds by GC/MS)

Review Questions	Yes	No	NA	Comment
Were the samples received without discrepancies between the samples and the COC?	•			
Were the samples received without discrepancies between the sample labels and the COC?	•			
Were samples relinquished properly on the COC?	•			
Were all samples properly preserved?	•			
Were sampling dates/times, date and time of laboratory receipt of samples, and sample conditions upon receipt at the laboratory (including preservation, pH, and temperature) documented?	•			
Were sample results reported with percent moisture correction if required?			•	
Were analytical methods performed and analysis dates present?	•			
Were all requested target analytes reported?	•			
Were QAPP specified Project Quantitation Limit Goals achieved? (The laboratory LOQ is compared to the QAPP Project Quantitation Goal)		•		Various compounds are reported with non-detects at levels (LOQs) greater than the project PQGs and project PALs were not met.
Were holding times met?	•			
Were trip blanks analyzed at the proper frequency and in control?	•			
Were field blanks analyzed at the proper frequency and in control?	•			
Were equipment blanks analyzed at the proper frequency and in control?			•	
Was a method blank prepared and analyzed with each batch?	•			
Were target analytes in the method blank less than DL?	•			
Was an LCS/LCSD pair prepared and analyzed with each batch?	•			LCS only.
Were LCS/LCSD recoveries within project acceptance limits?	•			
Was the LCS/LCSD RPD within project acceptance limits?			•	
Was a MS/MSD pair prepared with each batch?	•			
Were MS/MSD recoveries within project acceptance limits?		•		See QC outliers
Was the MS/MSD RPD within project acceptance limits?		•		See QC outliers
If ISM ws used for sample collection, were laboratory triplicates analyzed and within project acceptance limits?			•	
Were surrogate recoveries within project acceptance limits?	•			
Were field replicates (duplicates, triplicates, etc.) analyzed at the proper frequency and in control?		•		See QC outliers
Were reported sample concentrations within calibration range?	•			
Was the GC/MS system properly tuned based on method criteria?	•			
Was instrument tuning completed every 12 hours during sample analysis?	•			
Was the Calibration within project acceptance criteria?	•			
Was a ICV performed after each ICAL prior to sample analysis and within project acceptance criteria?	•			

Review Questions

Method: SW8260D (Volatile Organic Compounds by GC/MS)

Review Questions	Yes	No	NA	Comment
Were CCVs run at the required frequency and within project acceptance criteria?		•		CCVs were noted with high recoveries and the associated results were non-detect. No action was required on this basis.
Were internal standard retention times and area criteria within project acceptance criteria?	•			
Were internal standards spiked for every sample, standard, and QC sample?	•			
Were instrument run logs present and filled out appropriately?	•			
Were sample preparation sheets present and filled out appropriately?	•			
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?	•			
Were DoD QSM corrective actions followed if deviations were noted?		•		CCV recoveries were out of control and samples were not re-analyzed.
Were any data recommended for exclusion in the data validation process?		•		

APPENDIX E
LABORATORY DATA PACKAGES

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Appendix E-1
2024 Quarter 1 Laboratory Data Package

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

e-Hardcopy 2.0
Automated Report

Technical Report for

Bhate Environmental

Griffiss AFB; Rome, NY

GRFIS-BECOS

SGS Job Number: FC14007



Sampling Date: 03/12/24

Report to:

Bhate Environmental
1608 13th Ave S Suite 300
Birmingham, AL 35205
dbadio@bhate.com; tcalhoun@bhate.com

ATTN: David Badio

Total number of pages in report: 640

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 unless noted in the narrative, comments or footnotes.

Norm Farmer
Technical Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL(E83510), LA(03051), KS(E-10327), NC(573), NJ(FL002), NY(12022), SC(96038001) DoD ELAP(ANAB L2229), AZ(AZ0806), CA(2937), TX(T104704404), PA(68-03573), VA(460177), AL, AK, AR, CT, IA, KY, MA, MI. MS, ND, NH, NV, OK, OR, IL, UT, VT, WA, WI, WV

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SGS North America Inc.

Sample Summary

Bhate Environmental

Job No: FC14007

Griffiss AFB; Rome, NY
Project No: GRFIS-BECOS

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FC14007-1	03/12/24	15:05	BPEA	03/13/24	AQ	Ground Water	789MW-83_0324
FC14007-2	03/12/24	15:40	BPEA	03/13/24	AQ	Ground Water	789MW-98_0324
FC14007-3	03/12/24	14:00	BPEA	03/13/24	AQ	Ground Water	789MW-99_0324
FC14007-4	03/12/24	14:00	BPEA	03/13/24	AQ	Ground Water	789MW-99_0324-A
FC14007-5	03/12/24	15:15	BPEA	03/13/24	AQ	Ground Water	789MW-216_0324
FC14007-6	03/12/24	13:15	BPEA	03/13/24	AQ	Ground Water	789MW-222_0324
FC14007-6D	03/12/24	13:15	BPEA	03/13/24	AQ	Water Dup/MSD	789MW-222_0324
FC14007-6S	03/12/24	13:15	BPEA	03/13/24	AQ	Water Matrix Spike	789MW-222_0324
FC14007-7	03/12/24	15:45	BPEA	03/13/24	AQ	Ground Water	789MW-251_0324
FC14007-8	03/12/24	17:25	BPEA	03/13/24	AQ	Surface Water	789SW-02_0324
FC14007-9	03/12/24	17:15	BPEA	03/13/24	AQ	Surface Water	789SW-03_0324
FC14007-10	03/12/24	17:05	BPEA	03/13/24	AQ	Surface Water	789SW-04_0324
FC14007-11	03/12/24	08:00	BPEA	03/13/24	AQ	Trip Blank Water	789-TB01_0324-C

Sample Summary
(continued)

Bhate Environmental

Job No: FC14007

Griffiss AFB; Rome, NY
Project No: GRFIS-BECOS

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FC14007-12	03/12/24	18:00	BPEA	03/13/24	AQ	Water	789-AB01_0324-D

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Bhate Environmental **Job No:** FC14007

Site: Griffiss AFB; Rome, NY **Report Date:** 3/22/2024 4:36:54 PM

On 03/13/2024, 11 Sample(s), 1 Trip Blank(s), 0 Equip. Blank(s) and 0 Field Blank(s) were received at SGS North America Inc - Orlando. at a maximum corrected temperature of 3.2 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. - Orlando Job Number of FC14007 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.

MS Volatiles By Method SW846 8260D

Matrix: AQ **Batch ID:** V1O2976

Sample(s) FC14007-6MS, FC14007-6MSD were used as the QC samples indicated.

Matrix Spike Recovery(s) for Bromodichloromethane, Chloroethane, Dibromochloromethane, trans-1,3-Dichloropropene are outside control limits. Probable cause is due to matrix interference.

Matrix Spike Duplicate Recovery(s) for Chloroethane are outside control limits. Probable cause is due to matrix interference.

RPD(s) for MSD for 1,2-Dibromoethane, Dichlorodifluoromethane, Methyl Bromide, Methyl Chloride, Trichlorofluoromethane, Vinyl Chloride are outside control limits for sample FC14007-6MSD. Probable cause is due to sample non-homogeneity. V1O2976-MB: Sample was treated with an anti-foaming agent.

FC14007-1 for Chloroethane: Associated ICV outside DOD QSM control limits high, sample is ND.

FC14007-1 for Dichlorodifluoromethane: Associated ICV outside DOD QSM control limits high, sample is ND.

FC14007-2 for Chloroethane: Associated ICV outside DOD QSM control limits high, sample is ND.

FC14007-2 for Dichlorodifluoromethane: Associated ICV outside DOD QSM control limits high, sample is ND.

FC14007-3 for Chloroethane: Associated ICV outside DOD QSM control limits high, sample is ND.

FC14007-3 for Dichlorodifluoromethane: Associated ICV outside DOD QSM control limits high, sample is ND.

FC14007-4 for Chloroethane: Associated ICV outside DOD QSM control limits high, sample is ND.

FC14007-4 for Dichlorodifluoromethane: Associated ICV outside DOD QSM control limits high, sample is ND.

FC14007-5 for Chloroethane: Associated ICV outside DOD QSM control limits high, sample is ND.

FC14007-5: Sample was treated with an anti-foaming agent.

FC14007-6 for Chloroethane: Associated ICV outside DOD QSM control limits high, sample is ND.

FC14007-6 for Dichlorodifluoromethane: Associated ICV outside DOD QSM control limits high, sample is ND.

FC14007-7 for Chloroethane: Associated ICV outside DOD QSM control limits high, sample is ND.

FC14007-7 for Dichlorodifluoromethane: Associated ICV outside DOD QSM control limits high, sample is ND.

FC14007-8 for Chloroethane: Associated ICV outside DOD QSM control limits high, sample is ND.

FC14007-8 for Dichlorodifluoromethane: Associated ICV outside DOD QSM control limits high, sample is ND.

Matrix: AQ **Batch ID:** V1O2977

Sample(s) FC14048-1MS, FC14048-1MSD were used as the QC samples indicated.

Matrix Spike Recovery(s) for Chloroethane are outside control limits. Probable cause is due to matrix interference.

Matrix Spike Duplicate Recovery(s) for Chloroethane, Dichlorodifluoromethane are outside control limits. Probable cause is due to matrix interference.

FC14007-9 for Chloroethane: Associated ICV and CCV outside DOD QSM control limits high, sample is ND.

FC14007-9 for Dichlorodifluoromethane: Associated ICV outside DOD QSM control limits high, sample is ND.

FC14007-9 for Methylene Chloride: Associated CCV and BS recovery outside DOD QSM control limits high, sample is ND.

FC14007-11 for Dichlorodifluoromethane: Associated ICV outside DOD QSM control limits high, sample is ND.

FC14007-11 for Chloroethane: Associated ICV and CCV outside DOD QSM control limits high, sample is ND.

FC14007-11 for Methylene Chloride: Associated CCV and BS recovery outside DOD QSM control limits high, sample is ND.

FC14007-10 for Chloroethane: Associated ICV and CCV outside DOD QSM control limits high, sample is ND.

FC14007-10 for Methylene Chloride: Associated CCV and BS recovery outside DOD QSM control limits high, sample is ND.

FC14007-10 for Dichlorodifluoromethane: Associated ICV outside DOD QSM control limits high, sample is ND.

FC14007-12 for Chloroethane: Associated ICV and CCV outside DOD QSM control limits high, sample is ND.

FC14007-12 for Dichlorodifluoromethane: Associated ICV outside DOD QSM control limits high, sample is ND.

FC14007-12 for Methylene Chloride: Suspected laboratory contaminant. Associated CCV and BS recovery outside DOD QSM control limits high.

MS Volatiles By Method SW846 8260D

Matrix: AQ **Batch ID:** V2P3991

FC14007-9: No ECC available for this run. Confirmation run.

FC14007-10: No ECC available for this run. Confirmation run.

FC14007-11: No ECC available for this run. Confirmation run.

FC14007-12: No ECC available for this run. Confirmation run.

SGS North America Inc. - Orlando 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.- Orlando is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety.

Narrative prepared by:

_____

Kim Benham, Report Generation (signature on file)

Summary of Hits

Job Number: FC14007
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 03/12/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FC14007-1	**789MW-83_0324**					
1,2,4-Trimethylbenzene		0.77 J	1.0	0.50	ug/l	SW846 8260D
FC14007-2	**789MW-98_0324**					
Benzene		51.2	2.5	1.3	ug/l	SW846 8260D
n-Butylbenzene		11.1	2.5	1.3	ug/l	SW846 8260D
sec-Butylbenzene		10.8	2.5	1.3	ug/l	SW846 8260D
tert-Butylbenzene		1.9 J	2.5	1.3	ug/l	SW846 8260D
Ethylbenzene		75.6	2.5	1.3	ug/l	SW846 8260D
Isopropylbenzene		25.0	2.5	1.3	ug/l	SW846 8260D
p-Isopropyltoluene		7.9	2.5	1.3	ug/l	SW846 8260D
4-Methyl-2-pentanone (MIBK)		4.6 J	13	5.0	ug/l	SW846 8260D
Naphthalene		84.9	13	5.0	ug/l	SW846 8260D
n-Propylbenzene		57.4	2.5	1.3	ug/l	SW846 8260D
Toluene		1.3 J	2.5	1.3	ug/l	SW846 8260D
1,2,4-Trimethylbenzene		705	10	5.0	ug/l	SW846 8260D
1,3,5-Trimethylbenzene		139	2.5	1.3	ug/l	SW846 8260D
m,p-Xylene		360	5.0	2.5	ug/l	SW846 8260D
o-Xylene		9.8	2.5	1.3	ug/l	SW846 8260D
Xylene (total)		370	7.5	3.8	ug/l	SW846 8260D
FC14007-3	**789MW-99_0324**					
Benzene		0.89 J	1.0	0.50	ug/l	SW846 8260D
n-Butylbenzene		0.47 J	1.0	0.50	ug/l	SW846 8260D
sec-Butylbenzene		0.85 J	1.0	0.50	ug/l	SW846 8260D
Ethylbenzene		3.3	1.0	0.50	ug/l	SW846 8260D
Isopropylbenzene		0.69 J	1.0	0.50	ug/l	SW846 8260D
p-Isopropyltoluene		0.34 J	1.0	0.50	ug/l	SW846 8260D
4-Methyl-2-pentanone (MIBK)		1.2 J	5.0	2.0	ug/l	SW846 8260D
Naphthalene		2.3 J	5.0	2.0	ug/l	SW846 8260D
n-Propylbenzene		1.1	1.0	0.50	ug/l	SW846 8260D
Toluene		0.52 J	1.0	0.50	ug/l	SW846 8260D
FC14007-4	**789MW-99_0324-A**					
Benzene		0.95 J	1.0	0.50	ug/l	SW846 8260D
n-Butylbenzene		0.39 J	1.0	0.50	ug/l	SW846 8260D
sec-Butylbenzene		0.87 J	1.0	0.50	ug/l	SW846 8260D
Ethylbenzene		3.4	1.0	0.50	ug/l	SW846 8260D
Isopropylbenzene		0.71 J	1.0	0.50	ug/l	SW846 8260D
p-Isopropyltoluene		0.24 J	1.0	0.50	ug/l	SW846 8260D
4-Methyl-2-pentanone (MIBK)		1.3 J	5.0	2.0	ug/l	SW846 8260D

Summary of Hits

Job Number: FC14007
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 03/12/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
Naphthalene		2.1 J	5.0	2.0	ug/l	SW846 8260D
n-Propylbenzene		1.1	1.0	0.50	ug/l	SW846 8260D
Toluene		0.47 J	1.0	0.50	ug/l	SW846 8260D
FC14007-5	**789MW-216_0324**					
No hits reported in this sample.						
FC14007-6	**789MW-222_0324**					
No hits reported in this sample.						
FC14007-7	**789MW-251_0324**					
4-Methyl-2-pentanone (MIBK)		1.7 J	5.0	2.0	ug/l	SW846 8260D
FC14007-8	**789SW-02_0324**					
Chloroform		0.39 J	1.0	0.50	ug/l	SW846 8260D
FC14007-9	**789SW-03_0324**					
Benzene		0.32 J	1.0	0.50	ug/l	SW846 8260D
Chloroform		0.40 J	1.0	0.50	ug/l	SW846 8260D
FC14007-10	**789SW-04_0324**					
Benzene		0.57 J	1.0	0.50	ug/l	SW846 8260D
Chloroform		0.34 J	1.0	0.50	ug/l	SW846 8260D
FC14007-11	**789-TB01_0324-C**					
No hits reported in this sample.						
FC14007-12	**789-AB01_0324-D**					
Methylene Chloride [a]		2.4 J	5.0	4.0	ug/l	SW846 8260D
Toluene		0.40 J	1.0	0.50	ug/l	SW846 8260D

(a) Suspected laboratory contaminant. Associated CCV and BS recovery outside DOD QSM control limits high.

Sample Results

Report of Analysis

SGS North America Inc.

Report of Analysis

Client Sample ID:	789MW-83_0324		
Lab Sample ID:	FC14007-1	**Date Sampled:**	03/12/24
Matrix:	AQ - Ground Water	**Date Received:**	03/13/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1O82639.D	1	03/14/24 15:07	JW	n/a	n/a	V1O2976
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane [a]	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane [a]	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789MW-83_0324		
Lab Sample ID:	FC14007-1	**Date Sampled:**	03/12/24
Matrix:	AQ - Ground Water	**Date Received:**	03/13/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.77	1.0	0.50	0.32	ug/l	J
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		83-118%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789MW-83_0324		
Lab Sample ID:	FC14007-1	**Date Sampled:**	03/12/24
Matrix:	AQ - Ground Water	**Date Received:**	03/13/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	103%		79-125%
2037-26-5	Toluene-D8	100%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

(a) Associated ICV outside DOD QSM control limits high, sample is ND.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	789MW-98_0324		
Lab Sample ID:	FC14007-2	**Date Sampled:**	03/12/24
Matrix:	AQ - Ground Water	**Date Received:**	03/13/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1O82640.D	2.5	03/14/24 15:32	JW	n/a	n/a	V1O2976
Run #2	1O82673.D	10	03/15/24 17:53	JW	n/a	n/a	V1O2977

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

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	50 U	63	50	25	ug/l	
71-43-2	Benzene	51.2	2.5	1.3	0.78	ug/l	
108-86-1	Bromobenzene	1.3 U	2.5	1.3	0.92	ug/l	
74-97-5	Bromochloromethane	1.3 U	2.5	1.3	1.1	ug/l	
75-27-4	Bromodichloromethane	1.3 U	2.5	1.3	0.61	ug/l	
75-25-2	Bromoform	1.3 U	2.5	1.3	1.0	ug/l	
78-93-3	2-Butanone (MEK)	8.8 U	13	8.8	5.0	ug/l	
104-51-8	n-Butylbenzene	11.1	2.5	1.3	0.58	ug/l	
135-98-8	sec-Butylbenzene	10.8	2.5	1.3	0.61	ug/l	
98-06-6	tert-Butylbenzene	1.9	2.5	1.3	0.79	ug/l	J
75-15-0	Carbon Disulfide	2.5 U	5.0	2.5	1.3	ug/l	
56-23-5	Carbon Tetrachloride	1.3 U	2.5	1.3	0.89	ug/l	
108-90-7	Chlorobenzene	1.3 U	2.5	1.3	0.50	ug/l	
75-00-3	Chloroethane [a]	2.5 U	5.0	2.5	1.7	ug/l	
67-66-3	Chloroform	1.3 U	2.5	1.3	0.75	ug/l	
95-49-8	o-Chlorotoluene	1.3 U	2.5	1.3	0.56	ug/l	
106-43-4	p-Chlorotoluene	1.3 U	2.5	1.3	0.77	ug/l	
124-48-1	Dibromochloromethane	1.3 U	2.5	1.3	0.69	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	5.0 U	13	5.0	2.6	ug/l	
106-93-4	1,2-Dibromoethane	2.5 U	5.0	2.5	0.69	ug/l	
75-71-8	Dichlorodifluoromethane [a]	2.5 U	5.0	2.5	1.3	ug/l	
95-50-1	1,2-Dichlorobenzene	1.3 U	2.5	1.3	0.81	ug/l	
541-73-1	1,3-Dichlorobenzene	1.3 U	2.5	1.3	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	1.3 U	2.5	1.3	0.64	ug/l	
75-34-3	1,1-Dichloroethane	1.3 U	2.5	1.3	0.85	ug/l	
107-06-2	1,2-Dichloroethane	1.3 U	2.5	1.3	0.78	ug/l	
75-35-4	1,1-Dichloroethylene	1.3 U	2.5	1.3	0.81	ug/l	
156-59-2	cis-1,2-Dichloroethylene	1.3 U	2.5	1.3	0.69	ug/l	
156-60-5	trans-1,2-Dichloroethylene	1.3 U	2.5	1.3	0.55	ug/l	
540-59-0	1,2-Dichloroethene (total)	2.5 U	5.0	2.5	1.2	ug/l	
78-87-5	1,2-Dichloropropane	1.3 U	2.5	1.3	1.1	ug/l	
142-28-9	1,3-Dichloropropane	1.3 U	2.5	1.3	0.77	ug/l	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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: 789MW-98_0324
Lab Sample ID: FC14007-2
Matrix: AQ - Ground Water
Method: SW846 8260D
Project: Griffiss AFB; Rome, NY

Date Sampled: 03/12/24
Date Received: 03/13/24
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	1.3 U	2.5	1.3	0.60	ug/l	
563-58-6	1,1-Dichloropropene	1.3 U	2.5	1.3	0.84	ug/l	
10061-01-5	cis-1,3-Dichloropropene	1.3 U	2.5	1.3	0.73	ug/l	
10061-02-6	trans-1,3-Dichloropropene	1.3 U	2.5	1.3	0.54	ug/l	
100-41-4	Ethylbenzene	75.6	2.5	1.3	0.89	ug/l	
87-68-3	Hexachlorobutadiene	2.5 U	5.0	2.5	0.74	ug/l	
591-78-6	2-Hexanone	13 U	25	13	5.0	ug/l	
98-82-8	Isopropylbenzene	25.0	2.5	1.3	0.55	ug/l	
99-87-6	p-Isopropyltoluene	7.9	2.5	1.3	0.53	ug/l	
74-83-9	Methyl Bromide	10 U	13	10	5.0	ug/l	
74-87-3	Methyl Chloride	2.5 U	5.0	2.5	1.3	ug/l	
74-95-3	Methylene Bromide	1.3 U	5.0	1.3	0.92	ug/l	
75-09-2	Methylene Chloride	10 U	13	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	4.6	13	5.0	2.5	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	1.3 U	2.5	1.3	0.57	ug/l	
91-20-3	Naphthalene	84.9	13	5.0	2.5	ug/l	
103-65-1	n-Propylbenzene	57.4	2.5	1.3	0.72	ug/l	
100-42-5	Styrene	1.3 U	2.5	1.3	0.56	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	1.3 U	2.5	1.3	0.69	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	1.3 U	2.5	1.3	0.75	ug/l	
127-18-4	Tetrachloroethylene	1.3 U	2.5	1.3	0.54	ug/l	
108-88-3	Toluene	1.3	2.5	1.3	0.75	ug/l	J
87-61-6	1,2,3-Trichlorobenzene	2.5 U	5.0	2.5	1.5	ug/l	
120-82-1	1,2,4-Trichlorobenzene	2.5 U	5.0	2.5	1.3	ug/l	
71-55-6	1,1,1-Trichloroethane	1.3 U	2.5	1.3	0.62	ug/l	
79-00-5	1,1,2-Trichloroethane	1.3 U	2.5	1.3	1.2	ug/l	
79-01-6	Trichloroethylene	1.3 U	2.5	1.3	0.86	ug/l	
75-69-4	Trichlorofluoromethane	2.5 U	5.0	2.5	1.3	ug/l	
96-18-4	1,2,3-Trichloropropane	2.5 U	5.0	2.5	1.6	ug/l	
95-63-6	1,2,4-Trimethylbenzene	705 b	10	5.0	3.2	ug/l	
108-67-8	1,3,5-Trimethylbenzene	139	2.5	1.3	0.69	ug/l	
108-05-4	Vinyl Acetate	13 U	25	13	5.0	ug/l	
75-01-4	Vinyl Chloride	1.3 U	2.5	1.3	1.0	ug/l	
	m,p-Xylene	360	5.0	2.5	1.2	ug/l	
95-47-6	o-Xylene	9.8	2.5	1.3	0.64	ug/l	
1330-20-7	Xylene (total)	370	7.5	3.8	1.8	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%	98%	83-118%

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation DL = Detection 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:	789MW-98_0324		
Lab Sample ID:	FC14007-2	**Date Sampled:**	03/12/24
Matrix:	AQ - Ground Water	**Date Received:**	03/13/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	104%	105%	79-125%
2037-26-5	Toluene-D8	100%	100%	85-112%
460-00-4	4-Bromofluorobenzene	102%	100%	83-118%

(a) Associated ICV outside DOD QSM control limits high, sample is ND.
(b) Result is from Run# 2

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	789MW-99_0324		
Lab Sample ID:	FC14007-3	**Date Sampled:**	03/12/24
Matrix:	AQ - Ground Water	**Date Received:**	03/13/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1O82641.D	1	03/14/24 15:58	JW	n/a	n/a	V1O2976
Run #2	1O82661.D	1	03/15/24 12:48	JW	n/a	n/a	V1O2977

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

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.89	1.0	0.50	0.31	ug/l	J
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.47	1.0	0.50	0.23	ug/l	J
135-98-8	sec-Butylbenzene	0.85	1.0	0.50	0.24	ug/l	J
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane [a]	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane [a]	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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: 789MW-99_0324
Lab Sample ID: FC14007-3
Matrix: AQ - Ground Water
Method: SW846 8260D
Project: Griffiss AFB; Rome, NY

Date Sampled: 03/12/24
Date Received: 03/13/24
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	3.3	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.69	1.0	0.50	0.22	ug/l	J
99-87-6	p-Isopropyltoluene	0.34	1.0	0.50	0.21	ug/l	J
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	1.2	5.0	2.0	1.0	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.3	5.0	2.0	1.0	ug/l	J
103-65-1	n-Propylbenzene	1.1	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.52	1.0	0.50	0.30	ug/l	J
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U b	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%	97%	83-118%

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation DL = Detection 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:	789MW-99_0324		
Lab Sample ID:	FC14007-3	**Date Sampled:**	03/12/24
Matrix:	AQ - Ground Water	**Date Received:**	03/13/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	103%	103%	79-125%
2037-26-5	Toluene-D8	100%	101%	85-112%
460-00-4	4-Bromofluorobenzene	101%	101%	83-118%

(a) Associated ICV outside DOD QSM control limits high, sample is ND.
(b) Result is from Run# 2

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	789MW-99_0324-A		
Lab Sample ID:	FC14007-4	**Date Sampled:**	03/12/24
Matrix:	AQ - Ground Water	**Date Received:**	03/13/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1O82642.D	1	03/14/24 16:23	JW	n/a	n/a	V1O2976
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.95	1.0	0.50	0.31	ug/l	J
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.39	1.0	0.50	0.23	ug/l	J
135-98-8	sec-Butylbenzene	0.87	1.0	0.50	0.24	ug/l	J
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane [a]	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane [a]	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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: 789MW-99_0324-A
Lab Sample ID: FC14007-4
Matrix: AQ - Ground Water
Method: SW846 8260D
Project: Griffiss AFB; Rome, NY

Date Sampled: 03/12/24
Date Received: 03/13/24
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	3.4	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.71	1.0	0.50	0.22	ug/l	J
99-87-6	p-Isopropyltoluene	0.24	1.0	0.50	0.21	ug/l	J
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	1.3	5.0	2.0	1.0	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.1	5.0	2.0	1.0	ug/l	J
103-65-1	n-Propylbenzene	1.1	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.47	1.0	0.50	0.30	ug/l	J
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		83-118%

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation DL = Detection 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:	789MW-99_0324-A		
Lab Sample ID:	FC14007-4	**Date Sampled:**	03/12/24
Matrix:	AQ - Ground Water	**Date Received:**	03/13/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	102%		79-125%
2037-26-5	Toluene-D8	101%		85-112%
460-00-4	4-Bromofluorobenzene	101%		83-118%

(a) Associated ICV outside DOD QSM control limits high, sample is ND.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	789MW-216_0324		
Lab Sample ID:	FC14007-5	**Date Sampled:**	03/12/24
Matrix:	AQ - Ground Water	**Date Received:**	03/13/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	1O82643.D	1	03/14/24 16:48	JW	n/a	n/a	V1O2976
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane [b]	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane [b]	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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: 789MW-216_0324
Lab Sample ID: FC14007-5
Matrix: AQ - Ground Water
Method: SW846 8260D
Project: Griffiss AFB; Rome, NY

Date Sampled: 03/12/24
Date Received: 03/13/24
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		83-118%

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation DL = Detection 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:	789MW-216_0324		
Lab Sample ID:	FC14007-5	**Date Sampled:**	03/12/24
Matrix:	AQ - Ground Water	**Date Received:**	03/13/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	100%		79-125%
2037-26-5	Toluene-D8	100%		85-112%
460-00-4	4-Bromofluorobenzene	101%		83-118%

(a) Sample was treated with an anti-foaming agent.
(b) Associated ICV outside DOD QSM control limits high, sample is ND.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	789MW-222_0324		
Lab Sample ID:	FC14007-6	**Date Sampled:**	03/12/24
Matrix:	AQ - Ground Water	**Date Received:**	03/13/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1O82626.D	1	03/14/24 09:37	JW	n/a	n/a	V1O2976
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane [a]	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane [a]	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789MW-222_0324		
Lab Sample ID:	FC14007-6	**Date Sampled:**	03/12/24
Matrix:	AQ - Ground Water	**Date Received:**	03/13/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		83-118%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789MW-222_0324		
Lab Sample ID:	FC14007-6	**Date Sampled:**	03/12/24
Matrix:	AQ - Ground Water	**Date Received:**	03/13/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	100%		79-125%
2037-26-5	Toluene-D8	100%		85-112%
460-00-4	4-Bromofluorobenzene	102%		83-118%

(a) Associated ICV outside DOD QSM control limits high, sample is ND.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	789MW-251_0324		
Lab Sample ID:	FC14007-7	**Date Sampled:**	03/12/24
Matrix:	AQ - Ground Water	**Date Received:**	03/13/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1O82644.D	1	03/14/24 17:14	JW	n/a	n/a	V1O2976
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane [a]	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane [a]	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789MW-251_0324		
Lab Sample ID:	FC14007-7	**Date Sampled:**	03/12/24
Matrix:	AQ - Ground Water	**Date Received:**	03/13/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	1.7	5.0	2.0	1.0	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		83-118%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789MW-251_0324		
Lab Sample ID:	FC14007-7	**Date Sampled:**	03/12/24
Matrix:	AQ - Ground Water	**Date Received:**	03/13/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	102%		79-125%
2037-26-5	Toluene-D8	101%		85-112%
460-00-4	4-Bromofluorobenzene	101%		83-118%

(a) Associated ICV outside DOD QSM control limits high, sample is ND.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	789SW-02_0324		
Lab Sample ID:	FC14007-8	**Date Sampled:**	03/12/24
Matrix:	AQ - Surface Water	**Date Received:**	03/13/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1O82645.D	1	03/14/24 17:39	JW	n/a	n/a	V1O2976
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane [a]	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.39	1.0	0.50	0.30	ug/l	J
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane [a]	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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: 789SW-02_0324
Lab Sample ID: FC14007-8
Matrix: AQ - Surface Water
Method: SW846 8260D
Project: Griffiss AFB; Rome, NY

Date Sampled: 03/12/24
Date Received: 03/13/24
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		83-118%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789SW-02_0324		
Lab Sample ID:	FC14007-8	**Date Sampled:**	03/12/24
Matrix:	AQ - Surface Water	**Date Received:**	03/13/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	103%		79-125%
2037-26-5	Toluene-D8	100%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

(a) Associated ICV outside DOD QSM control limits high, sample is ND.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	789SW-03_0324		
Lab Sample ID:	FC14007-9	**Date Sampled:**	03/12/24
Matrix:	AQ - Surface Water	**Date Received:**	03/13/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1O82662.D	1	03/15/24 13:13	JW	n/a	n/a	V1O2977
Run #2 [a]	2P104770.D	1	03/14/24 11:10	LT	n/a	n/a	V2P3991

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

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.32	1.0	0.50	0.31	ug/l	J
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane [b]	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.40	1.0	0.50	0.30	ug/l	J
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane [c]	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789SW-03_0324		
Lab Sample ID:	FC14007-9	**Date Sampled:**	03/12/24
Matrix:	AQ - Surface Water	**Date Received:**	03/13/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride [d]	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%	93%	83-118%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789SW-03_0324		
Lab Sample ID:	FC14007-9	**Date Sampled:**	03/12/24
Matrix:	AQ - Surface Water	**Date Received:**	03/13/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	105%	103%	79-125%
2037-26-5	Toluene-D8	99%	109%	85-112%
460-00-4	4-Bromofluorobenzene	98%	93%	83-118%

(a) No ECC available for this run. Confirmation run.
(b) Associated ICV and CCV outside DOD QSM control limits high, sample is ND.
(c) Associated ICV outside DOD QSM control limits high, sample is ND.
(d) Associated CCV and BS recovery outside DOD QSM control limits high, sample is ND.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: 789SW-04_0324
Lab Sample ID: FC14007-10
Matrix: AQ - Surface Water
Method: SW846 8260D
Project: Griffiss AFB; Rome, NY

Date Sampled: 03/12/24
Date Received: 03/13/24
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1O82663.D	1	03/15/24 13:39	JW	n/a	n/a	V1O2977
Run #2 [a]	2P104771.D	1	03/14/24 11:35	LT	n/a	n/a	V2P3991

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

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.57	1.0	0.50	0.31	ug/l	J
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane [b]	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.34	1.0	0.50	0.30	ug/l	J
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane [c]	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation DL = Detection 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:	789SW-04_0324		
Lab Sample ID:	FC14007-10	**Date Sampled:**	03/12/24
Matrix:	AQ - Surface Water	**Date Received:**	03/13/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride [d]	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%	94%	83-118%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789SW-04_0324		
Lab Sample ID:	FC14007-10	**Date Sampled:**	03/12/24
Matrix:	AQ - Surface Water	**Date Received:**	03/13/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	105%	101%	79-125%
2037-26-5	Toluene-D8	100%	106%	85-112%
460-00-4	4-Bromofluorobenzene	101%	94%	83-118%

(a) No ECC available for this run. Confirmation run.
(b) Associated ICV and CCV outside DOD QSM control limits high, sample is ND.
(c) Associated ICV outside DOD QSM control limits high, sample is ND.
(d) Associated CCV and BS recovery outside DOD QSM control limits high, sample is ND.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	789-TB01_0324-C		
Lab Sample ID:	FC14007-11	**Date Sampled:**	03/12/24
Matrix:	AQ - Trip Blank Water	**Date Received:**	03/13/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1O82655.D	1	03/15/24 10:16	JW	n/a	n/a	V1O2977
Run #2 [a]	2P104772.D	1	03/14/24 12:01	LT	n/a	n/a	V2P3991

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

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane [b]	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane [c]	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789-TB01_0324-C		
Lab Sample ID:	FC14007-11	**Date Sampled:**	03/12/24
Matrix:	AQ - Trip Blank Water	**Date Received:**	03/13/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride [d]	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%	94%	83-118%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789-TB01_0324-C		
Lab Sample ID:	FC14007-11	**Date Sampled:**	03/12/24
Matrix:	AQ - Trip Blank Water	**Date Received:**	03/13/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	102%	103%	79-125%
2037-26-5	Toluene-D8	100%	104%	85-112%
460-00-4	4-Bromofluorobenzene	100%	94%	83-118%

(a) No ECC available for this run. Confirmation run.
(b) Associated ICV and CCV outside DOD QSM control limits high, sample is ND.
(c) Associated ICV outside DOD QSM control limits high, sample is ND.
(d) Associated CCV and BS recovery outside DOD QSM control limits high, sample is ND.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	789-AB01_0324-D		
Lab Sample ID:	FC14007-12	**Date Sampled:**	03/12/24
Matrix:	AQ - Water	**Date Received:**	03/13/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1O82664.D	1	03/15/24 14:04	JW	n/a	n/a	V1O2977
Run #2 [a]	2P104773.D	1	03/14/24 12:26	LT	n/a	n/a	V2P3991

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

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane [b]	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane [c]	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789-AB01_0324-D		
Lab Sample ID:	FC14007-12	**Date Sampled:**	03/12/24
Matrix:	AQ - Water	**Date Received:**	03/13/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride [d]	2.4	5.0	4.0	2.0	ug/l	J
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.40	1.0	0.50	0.30	ug/l	J
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%	95%	83-118%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789-AB01_0324-D		
Lab Sample ID:	FC14007-12	**Date Sampled:**	03/12/24
Matrix:	AQ - Water	**Date Received:**	03/13/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	105%	108%	79-125%
2037-26-5	Toluene-D8	100%	105%	85-112%
460-00-4	4-Bromofluorobenzene	99%	93%	83-118%

(a) No ECC available for this run. Confirmation run.
(b) Associated ICV and CCV outside DOD QSM control limits high, sample is ND.
(c) Associated ICV outside DOD QSM control limits high, sample is ND.
(d) Suspected laboratory contaminant. Associated CCV and BS recovery outside DOD QSM control limits high.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5.x Limits

CHAIN-OF-CUSTODY RECORD

BEAB
Todd Calhoun
445 Union Boulevard, Suite 129 Lakewood, CO 80228
Please add area code, 720.463.3906, , add e-mail

COC # SS067GW24Q1

FC14007

Project Name: Griffiss Air Force Base, BECOS	Laboratory: SGS North America, Inc., Orlando, FL	Event: 2024 Griffiss Petro Q1
Project Number: GRFIS-BECOS	POC: Please insert point of contact, insert laboratory phone number, insert email	
WBS Code: 4055.009Griffiss RAOYR3	Ship to:	

Comments:
SW8260D (A) = VOCs SGS

Equipment: YSI EXO1

Code	Matrix
WG	Ground Water
WQ	Water Quality Control Matrix
WS	Surface Water

Code	Container/Preservative
31	3x 40 mL glass volatile vials, HCl to pH < 2; Cool to 0-6 °C; no headspace

INITIAL ASSESSMENT ZB
LABEL VERIFICATION ZB

Analytical Test Method: SW8260D (A) — 31

Event: 2024 Griffiss Petro Q1

	Sample ID	Matrix	Date	Time	Samp Init.		Location ID	Sample Type	Depth (ft bgs) Top	Depth (ft bgs) Bottom	Cooler	Comments
1	789MW-83_0324	WG	3/12/24	1505	EA	X	WL-789MW-83	N1	21.00	31.00	1	
2	789MW-98_0324	WG		1540	BP	X	WL-789MW-98	N1	10.00	20.00	1	
3	789MW-99_0324	WG		1400	~~1400~~ BP	X	WL-789MW-99	N1	14.50	24.50	1	
4	789MW-99_0324-A	WG		1400	~~1400~~ BP	X	WL-789MW-99	FD1	14.50	24.50	1	
~~5~~	~~789MW-102_0324~~	~~WG~~				~~X~~	~~WL-789MW-102~~	~~N1~~	~~5.00~~	~~15.00~~	~~1~~	BP
6	789MW-216_0324 5	WG		1515	BP	X	WL-789MW-216	N1	19.00	29.00	1	
7	789MW-222_0324 6	WG		1315	BP	X	WL-789MW-222	N1	18.00	28.00	1	
8	789MW-222_0324-MS 6	WG		1315	BP	X	WL-789MW-222	MS1	18.00	28.00	1	
9	789MW-222_0324-SD 6	WG		1315	BP	X	WL-789MW-222	SD1	18.00	28.00	1	
10	789MW-251_0324 7	WG		1545	EA	X	WL-789MW-251	N1	4.80	29.80	1	
11	789SW-02_0324 8	WS	↓	1725	EA	X	789SW-02	N1	0.00	0.00	1	

Relinquished by: *(Signature)*	Date	Time	Received by: *(Signature)*	Date	Time
Bollard/ECC	3/12/24	1900	FedEx	3/12/24	

Shipping Date / Carrier / Airbill Number
Shipping Date:

Received by Laboratory: *(Signature, Date, Time)* **& condition**
03/13/24 915

2.2 IR #1

ENV.COC_Field
February 27, 2024

FC14007: Chain of Custody
Page 1 of 3

CHAIN-OF-CUSTODY RECORD

BEAB
Todd Calhoun
445 Union Boulevard, Suite 129 Lakewood, CO 80228
Please add area code, 720.463.3906, , add e-mail

COC # SS067GW24Q1

FC14007

Project Name: Griffiss Air Force Base, BECOS	Laboratory: SGS North America, Inc., Orlando, FL	Event: 2024 Griffiss Petro Q1
Project Number: GRFIS-BECOS	POC: Please insert point of contact, insert laboratory phone number, insert email	
WBS Code:	Ship to:	

Comments:
SW8260D (A) = VOCs SGS

Equipment:

Code	Matrix
WG	Ground Water
WQ	Water Quality Control Matrix
WS	Surface Water

Code	Container/Preservative
31	3x 40 mL glass volatile vials, HCl to pH < 2; Cool to 0-6 °C; no headspace

	Sample ID	Matrix	Date	Time	Samp Init.	Analytical Test Method: SW8260D (A)	Location ID	Sample Type	Depth (ft bgs) Top	Depth (ft bgs) Bottom	Cooler	Comments
	Event: 2024 Griffiss Petro Q1					31						
12	789SW-03_0324 (9)	WS	3/12/24	1715	EA	X	789SW-03	N1	0.00	0.00	1	
13	789SW-04_0324 (10)	WS		1705	EA	X	789SW-04	N1	0.00	0.00	1	
14	789-TB01_0324-C (11)	WQ		0800	BP	X	FIELDQC	TB1	0.00	0.00	1	
	Turnaround Time: NA											
15	789-AB01_0324-D (12)	WQ	↓	1800	BP	X	Ambient blank/AB1					

03/13/24 SP

Relinquished by: *(Signature)*	Date	Time	Received by: *(Signature)*	Date	Time	Shipping Date / Carrier / Airbill Number
B Pollard/ECL	3/12/24	1900	FedEx	3/12/24		Shipping Date:
						Received by Laboratory: *(Signature, Date, Time)* & condition
						03/13/24 915

ENV.COC_Field
February 27, 2024

Page 2 of 2

FC14007: Chain of Custody
Page 2 of 3

SGS - Orlando Sample Receipt Summary

Job Number: fc14007 **Client:** BHATE **Project:** GRIFFISS AIR FORCE BASE

Date / Time Received: 3/13/2024 9:15:00 AM **Delivery Method:** FED EX **Airbill #'s:** 7024 6626 1493

Cooler Temps (Raw Measured) °C: Cooler 1: (2.2);

Cooler Temps (Corrected) °C: Cooler 1: (3.2);

Cooler Information	Y	or	N
1. Custody Seals Present:	☑		☐
2. Custody Seals Intact:	☑		☐
3. Temp criteria achieved:	☑		☐
4. Cooler temp verification:	IR Gun		
5. Cooler media:	Ice (Bag)		

Trip Blank Information	Y	or	N	N/A
1. Trip Blank present / cooler:	☑		☐	☐
2. Trip Blank listed on COC:	☑		☐	☐

	W	or	S	N/A
3. Type of TB Received	☑		☐	☐

Sample Information	Y	or	N	N/A
1. Sample labels present on bottles:	☑		☐	
2. Samples presented properly	☑		☐	
3. Sufficient volume/containers recv'd for analysis	☑		☐	
4. Condition of sample:	Intact			
5. Sample recv'd within HT	☑		☐	
6. Dates/Times/IDs on COC match sample label	☑		☐	
7. VOCs have headspace	☐		☑	☐
8. Bottles received for unspecified tests	☐		☑	
9. Compositing instructions clear	☐		☐	☑
10. Voa Soil Kits/Jars received past 48hrs?	☐		☐	☑
11. % Solids Jar Received?	☐		☐	☑
12. Residual Chlorine Present?	☐		☐	☑

Misc Information

Number of Encores: 25 Gram 5 Gram

Number of Lab Filtered Metals:

Test Strip Lot #s: pH 0-3: 226422 pH 10-12: Other: (Specify) pH 1.0 - 12.0 222221

Residual Chlorine Test Strip Lot #

Comments

Sample Receipt Summary 112723 EK Technician: SHAYLAP Date: 3/13/2024 1:32:53 PM Reviewer: Date:

QC Evaluation: DOD QSM5.x Limits

Job Number: FC14007
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 03/12/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
V1O2976	SW846 8260D						
V1O2976-BS	67-64-1	Acetone	BSP	REC	118	%	39-160
V1O2976-BS	71-43-2	Benzene	BSP	REC	103	%	79-120
V1O2976-BS	108-86-1	Bromobenzene	BSP	REC	106	%	80-120
V1O2976-BS	74-97-5	Bromochloromethane	BSP	REC	98	%	78-123
V1O2976-BS	75-27-4	Bromodichloromethane	BSP	REC	94	%	79-125
V1O2976-BS	75-25-2	Bromoform	BSP	REC	96	%	66-130
V1O2976-BS	78-93-3	2-Butanone (MEK)	BSP	REC	102	%	56-143
V1O2976-BS	104-51-8	n-Butylbenzene	BSP	REC	108	%	75-128
V1O2976-BS	135-98-8	sec-Butylbenzene	BSP	REC	99	%	77-126
V1O2976-BS	98-06-6	tert-Butylbenzene	BSP	REC	102	%	78-124
V1O2976-BS	75-15-0	Carbon Disulfide	BSP	REC	103	%	64-133
V1O2976-BS	56-23-5	Carbon Tetrachloride	BSP	REC	98	%	72-136
V1O2976-BS	108-90-7	Chlorobenzene	BSP	REC	100	%	82-118
V1O2976-BS	75-00-3	Chloroethane	BSP	REC	106	%	60-138
V1O2976-BS	67-66-3	Chloroform	BSP	REC	103	%	79-124
V1O2976-BS	95-49-8	o-Chlorotoluene	BSP	REC	101	%	79-122
V1O2976-BS	106-43-4	p-Chlorotoluene	BSP	REC	101	%	78-122
V1O2976-BS	124-48-1	Dibromochloromethane	BSP	REC	99	%	74-126
V1O2976-BS	96-12-8	1,2-Dibromo-3-chloropropane	BSP	REC	106	%	62-128
V1O2976-BS	106-93-4	1,2-Dibromoethane	BSP	REC	100	%	77-121
V1O2976-BS	75-71-8	Dichlorodifluoromethane	BSP	REC	145	%	32-152
V1O2976-BS	95-50-1	1,2-Dichlorobenzene	BSP	REC	100	%	80-119
V1O2976-BS	541-73-1	1,3-Dichlorobenzene	BSP	REC	99	%	80-119
V1O2976-BS	106-46-7	1,4-Dichlorobenzene	BSP	REC	101	%	79-118
V1O2976-BS	75-34-3	1,1-Dichloroethane	BSP	REC	100	%	77-125
V1O2976-BS	107-06-2	1,2-Dichloroethane	BSP	REC	103	%	73-128
V1O2976-BS	75-35-4	1,1-Dichloroethylene	BSP	REC	108	%	71-131
V1O2976-BS	156-59-2	cis-1,2-Dichloroethylene	BSP	REC	96	%	78-123
V1O2976-BS	156-60-5	trans-1,2-Dichloroethylene	BSP	REC	108	%	75-124
V1O2976-BS	540-59-0	1,2-Dichloroethene (total)	BSP	REC	102	%	79-121
V1O2976-BS	78-87-5	1,2-Dichloropropane	BSP	REC	107	%	78-122
V1O2976-BS	142-28-9	1,3-Dichloropropane	BSP	REC	107	%	80-119
V1O2976-BS	594-20-7	2,2-Dichloropropane	BSP	REC	106	%	60-139
V1O2976-BS	563-58-6	1,1-Dichloropropene	BSP	REC	109	%	79-125
V1O2976-BS	10061-01-5	cis-1,3-Dichloropropene	BSP	REC	101	%	75-124
V1O2976-BS	10061-02-6	trans-1,3-Dichloropropene	BSP	REC	96	%	73-127
V1O2976-BS	100-41-4	Ethylbenzene	BSP	REC	102	%	79-121
V1O2976-BS	87-68-3	Hexachlorobutadiene	BSP	REC	115	%	66-134
V1O2976-BS	591-78-6	2-Hexanone	BSP	REC	108	%	57-139
V1O2976-BS	98-82-8	Isopropylbenzene	BSP	REC	99	%	72-131
V1O2976-BS	99-87-6	p-Isopropyltoluene	BSP	REC	106	%	77-127
V1O2976-BS	74-83-9	Methyl Bromide	BSP	REC	124	%	53-141

* Sample used for QC is not from job FC14007

QC Evaluation: DOD QSM5.x Limits

Job Number: FC14007
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 03/12/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
V1O2976-BS	74-87-3	Methyl Chloride	BSP	REC	124	%	50-139
V1O2976-BS	74-95-3	Methylene Bromide	BSP	REC	102	%	79-123
V1O2976-BS	75-09-2	Methylene Chloride	BSP	REC	122	%	74-124
V1O2976-BS	108-10-1	4-Methyl-2-pentanone (MIBK)	BSP	REC	107	%	67-130
V1O2976-BS	1634-04-4	Methyl Tert Butyl Ether	BSP	REC	102	%	71-124
V1O2976-BS	91-20-3	Naphthalene	BSP	REC	96	%	61-128
V1O2976-BS	103-65-1	n-Propylbenzene	BSP	REC	102	%	76-126
V1O2976-BS	100-42-5	Styrene	BSP	REC	100	%	78-123
V1O2976-BS	630-20-6	1,1,1,2-Tetrachloroethane	BSP	REC	98	%	78-124
V1O2976-BS	79-34-5	1,1,2,2-Tetrachloroethane	BSP	REC	103	%	71-121
V1O2976-BS	127-18-4	Tetrachloroethylene	BSP	REC	103	%	74-129
V1O2976-BS	108-88-3	Toluene	BSP	REC	102	%	80-121
V1O2976-BS	87-61-6	1,2,3-Trichlorobenzene	BSP	REC	104	%	69-129
V1O2976-BS	120-82-1	1,2,4-Trichlorobenzene	BSP	REC	101	%	69-130
V1O2976-BS	71-55-6	1,1,1-Trichloroethane	BSP	REC	103	%	74-131
V1O2976-BS	79-00-5	1,1,2-Trichloroethane	BSP	REC	98	%	80-119
V1O2976-BS	79-01-6	Trichloroethylene	BSP	REC	101	%	79-123
V1O2976-BS	75-69-4	Trichlorofluoromethane	BSP	REC	113	%	65-141
V1O2976-BS	96-18-4	1,2,3-Trichloropropane	BSP	REC	111	%	73-122
V1O2976-BS	95-63-6	1,2,4-Trimethylbenzene	BSP	REC	105	%	76-124
V1O2976-BS	108-67-8	1,3,5-Trimethylbenzene	BSP	REC	103	%	75-124
V1O2976-BS	108-05-4	Vinyl Acetate	BSP	REC	113	%	54-146
V1O2976-BS	75-01-4	Vinyl Chloride	BSP	REC	119	%	58-137
V1O2976-BS		m,p-Xylene	BSP	REC	100	%	80-121
V1O2976-BS	95-47-6	o-Xylene	BSP	REC	96	%	78-122
V1O2976-BS	1330-20-7	Xylene (total)	BSP	REC	99	%	79-121
V1O2976-BS	1868-53-7	Dibromofluoromethane	BSP	SURR	101	%	80-119
V1O2976-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	100	%	81-118
V1O2976-BS	2037-26-5	Toluene-D8	BSP	SURR	101	%	89-112
V1O2976-BS	460-00-4	4-Bromofluorobenzene	BSP	SURR	101	%	85-114
FC14007-6MS	67-64-1	Acetone	MS	REC	88	%	39-160
FC14007-6MS	71-43-2	Benzene	MS	REC	91	%	79-120
FC14007-6MS	108-86-1	Bromobenzene	MS	REC	89	%	80-120
FC14007-6MS	74-97-5	Bromochloromethane	MS	REC	86	%	78-123
FC14007-6MS	75-27-4	Bromodichloromethane	MS	REC	77	%	79-125
FC14007-6MS	75-25-2	Bromoform	MS	REC	67	%	66-130
FC14007-6MS	78-93-3	2-Butanone (MEK)	MS	REC	81	%	56-143
FC14007-6MS	104-51-8	n-Butylbenzene	MS	REC	88	%	75-128
FC14007-6MS	135-98-8	sec-Butylbenzene	MS	REC	84	%	77-126
FC14007-6MS	98-06-6	tert-Butylbenzene	MS	REC	90	%	78-124
FC14007-6MS	75-15-0	Carbon Disulfide	MS	REC	91	%	64-133
FC14007-6MS	56-23-5	Carbon Tetrachloride	MS	REC	84	%	72-136
FC14007-6MS	108-90-7	Chlorobenzene	MS	REC	86	%	82-118
FC14007-6MS	75-00-3	Chloroethane	MS	REC	232	%	60-138
FC14007-6MS	67-66-3	Chloroform	MS	REC	88	%	79-124

* Sample used for QC is not from job FC14007

QC Evaluation: DOD QSM5.x Limits

Job Number: FC14007
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 03/12/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FC14007-6MS	95-49-8	o-Chlorotoluene	MS	REC	87	%	79-122
FC14007-6MS	106-43-4	p-Chlorotoluene	MS	REC	88	%	78-122
FC14007-6MS	124-48-1	Dibromochloromethane	MS	REC	76	%	74-126
FC14007-6MS	96-12-8	1,2-Dibromo-3-chloropropane	MS	REC	79	%	62-128
FC14007-6MS	106-93-4	1,2-Dibromoethane	MS	REC	82	%	77-121
FC14007-6MS	75-71-8	Dichlorodifluoromethane	MS	REC	119	%	32-152
FC14007-6MS	95-50-1	1,2-Dichlorobenzene	MS	REC	84	%	80-119
FC14007-6MS	541-73-1	1,3-Dichlorobenzene	MS	REC	84	%	80-119
FC14007-6MS	106-46-7	1,4-Dichlorobenzene	MS	REC	86	%	79-118
FC14007-6MS	75-34-3	1,1-Dichloroethane	MS	REC	90	%	77-125
FC14007-6MS	107-06-2	1,2-Dichloroethane	MS	REC	90	%	73-128
FC14007-6MS	75-35-4	1,1-Dichloroethylene	MS	REC	100	%	71-131
FC14007-6MS	156-59-2	cis-1,2-Dichloroethylene	MS	REC	86	%	78-123
FC14007-6MS	156-60-5	trans-1,2-Dichloroethylene	MS	REC	97	%	75-124
FC14007-6MS	540-59-0	1,2-Dichloroethene (total)	MS	REC	91	%	79-121
FC14007-6MS	78-87-5	1,2-Dichloropropane	MS	REC	93	%	78-122
FC14007-6MS	142-28-9	1,3-Dichloropropane	MS	REC	91	%	80-119
FC14007-6MS	594-20-7	2,2-Dichloropropane	MS	REC	87	%	60-139
FC14007-6MS	563-58-6	1,1-Dichloropropene	MS	REC	98	%	79-125
FC14007-6MS	10061-01-5	cis-1,3-Dichloropropene	MS	REC	80	%	75-124
FC14007-6MS	10061-02-6	trans-1,3-Dichloropropene	MS	REC	76	%	73-127
FC14007-6MS	100-41-4	Ethylbenzene	MS	REC	88	%	79-121
FC14007-6MS	87-68-3	Hexachlorobutadiene	MS	REC	86	%	66-134
FC14007-6MS	591-78-6	2-Hexanone	MS	REC	89	%	57-139
FC14007-6MS	98-82-8	Isopropylbenzene	MS	REC	86	%	72-131
FC14007-6MS	99-87-6	p-Isopropyltoluene	MS	REC	89	%	77-127
FC14007-6MS	74-83-9	Methyl Bromide	MS	REC	73	%	53-141
FC14007-6MS	74-87-3	Methyl Chloride	MS	REC	104	%	50-139
FC14007-6MS	74-95-3	Methylene Bromide	MS	REC	87	%	79-123
FC14007-6MS	75-09-2	Methylene Chloride	MS	REC	100	%	74-124
FC14007-6MS	108-10-1	4-Methyl-2-pentanone (MIBK)	MS	REC	89	%	67-130
FC14007-6MS	1634-04-4	Methyl Tert Butyl Ether	MS	REC	85	%	71-124
FC14007-6MS	91-20-3	Naphthalene	MS	REC	74	%	61-128
FC14007-6MS	103-65-1	n-Propylbenzene	MS	REC	90	%	76-126
FC14007-6MS	100-42-5	Styrene	MS	REC	85	%	78-123
FC14007-6MS	630-20-6	1,1,1,2-Tetrachloroethane	MS	REC	78	%	78-124
FC14007-6MS	79-34-5	1,1,2,2-Tetrachloroethane	MS	REC	87	%	71-121
FC14007-6MS	127-18-4	Tetrachloroethylene	MS	REC	90	%	74-129
FC14007-6MS	108-88-3	Toluene	MS	REC	88	%	80-121
FC14007-6MS	87-61-6	1,2,3-Trichlorobenzene	MS	REC	80	%	69-129
FC14007-6MS	120-82-1	1,2,4-Trichlorobenzene	MS	REC	80	%	69-130
FC14007-6MS	71-55-6	1,1,1-Trichloroethane	MS	REC	92	%	74-131
FC14007-6MS	79-00-5	1,1,2-Trichloroethane	MS	REC	84	%	80-119
FC14007-6MS	79-01-6	Trichloroethylene	MS	REC	87	%	79-123
FC14007-6MS	75-69-4	Trichlorofluoromethane	MS	REC	97	%	65-141

* Sample used for QC is not from job FC14007

QC Evaluation: DOD QSM5.x Limits

Job Number: FC14007
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 03/12/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FC14007-6MS	96-18-4	1,2,3-Trichloropropane	MS	REC	93	%	73-122
FC14007-6MS	95-63-6	1,2,4-Trimethylbenzene	MS	REC	89	%	76-124
FC14007-6MS	108-67-8	1,3,5-Trimethylbenzene	MS	REC	89	%	75-124
FC14007-6MS	108-05-4	Vinyl Acetate	MS	REC	102	%	54-146
FC14007-6MS	75-01-4	Vinyl Chloride	MS	REC	101	%	58-137
FC14007-6MS		m,p-Xylene	MS	REC	87	%	80-121
FC14007-6MS	95-47-6	o-Xylene	MS	REC	83	%	78-122
FC14007-6MS	1330-20-7	Xylene (total)	MS	REC	86	%	79-121
FC14007-6MS	1868-53-7	Dibromofluoromethane	MS	SURR	101	%	80-119
FC14007-6MS	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	103	%	81-118
FC14007-6MS	2037-26-5	Toluene-D8	MS	SURR	100	%	89-112
FC14007-6MS	460-00-4	4-Bromofluorobenzene	MS	SURR	100	%	85-114
FC14007-6MSD	67-64-1	Acetone	MSD	REC	103	%	39-160
FC14007-6MSD	67-64-1	Acetone	MSD	RPD	16	%	20
FC14007-6MSD	71-43-2	Benzene	MSD	REC	103	%	79-120
FC14007-6MSD	71-43-2	Benzene	MSD	RPD	13	%	20
FC14007-6MSD	108-86-1	Bromobenzene	MSD	REC	102	%	80-120
FC14007-6MSD	108-86-1	Bromobenzene	MSD	RPD	14	%	20
FC14007-6MSD	74-97-5	Bromochloromethane	MSD	REC	96	%	78-123
FC14007-6MSD	74-97-5	Bromochloromethane	MSD	RPD	11	%	20
FC14007-6MSD	75-27-4	Bromodichloromethane	MSD	REC	88	%	79-125
FC14007-6MSD	75-27-4	Bromodichloromethane	MSD	RPD	14	%	20
FC14007-6MSD	75-25-2	Bromoform	MSD	REC	78	%	66-130
FC14007-6MSD	75-25-2	Bromoform	MSD	RPD	15	%	20
FC14007-6MSD	78-93-3	2-Butanone (MEK)	MSD	REC	93	%	56-143
FC14007-6MSD	78-93-3	2-Butanone (MEK)	MSD	RPD	14	%	20
FC14007-6MSD	104-51-8	n-Butylbenzene	MSD	REC	100	%	75-128
FC14007-6MSD	104-51-8	n-Butylbenzene	MSD	RPD	13	%	20
FC14007-6MSD	135-98-8	sec-Butylbenzene	MSD	REC	96	%	77-126
FC14007-6MSD	135-98-8	sec-Butylbenzene	MSD	RPD	14	%	20
FC14007-6MSD	98-06-6	tert-Butylbenzene	MSD	REC	100	%	78-124
FC14007-6MSD	98-06-6	tert-Butylbenzene	MSD	RPD	11	%	20
FC14007-6MSD	75-15-0	Carbon Disulfide	MSD	REC	101	%	64-133
FC14007-6MSD	75-15-0	Carbon Disulfide	MSD	RPD	11	%	20
FC14007-6MSD	56-23-5	Carbon Tetrachloride	MSD	REC	94	%	72-136
FC14007-6MSD	56-23-5	Carbon Tetrachloride	MSD	RPD	11	%	20
FC14007-6MSD	108-90-7	Chlorobenzene	MSD	REC	96	%	82-118
FC14007-6MSD	108-90-7	Chlorobenzene	MSD	RPD	11	%	20
FC14007-6MSD	75-00-3	Chloroethane	MSD	REC	235	%	60-138
FC14007-6MSD	75-00-3	Chloroethane	MSD	RPD	1	%	20
FC14007-6MSD	67-66-3	Chloroform	MSD	REC	100	%	79-124
FC14007-6MSD	67-66-3	Chloroform	MSD	RPD	13	%	20
FC14007-6MSD	95-49-8	o-Chlorotoluene	MSD	REC	98	%	79-122
FC14007-6MSD	95-49-8	o-Chlorotoluene	MSD	RPD	12	%	20
FC14007-6MSD	106-43-4	p-Chlorotoluene	MSD	REC	97	%	78-122

* Sample used for QC is not from job FC14007

QC Evaluation: DOD QSM5.x Limits

Job Number: FC14007
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 03/12/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FC14007-6MSD	106-43-4	p-Chlorotoluene	MSD	RPD	10	%	20
FC14007-6MSD	124-48-1	Dibromochloromethane	MSD	REC	87	%	74-126
FC14007-6MSD	124-48-1	Dibromochloromethane	MSD	RPD	14	%	20
FC14007-6MSD	96-12-8	1,2-Dibromo-3-chloropropane	MSD	REC	93	%	62-128
FC14007-6MSD	96-12-8	1,2-Dibromo-3-chloropropane	MSD	RPD	16	%	20
FC14007-6MSD	106-93-4	1,2-Dibromoethane	MSD	REC	95	%	77-121
FC14007-6MSD	106-93-4	1,2-Dibromoethane	MSD	RPD	14	%	20
FC14007-6MSD	75-71-8	Dichlorodifluoromethane	MSD	REC	154	%	32-152
FC14007-6MSD	75-71-8	Dichlorodifluoromethane	MSD	RPD	25	%	20
FC14007-6MSD	95-50-1	1,2-Dichlorobenzene	MSD	REC	95	%	80-119
FC14007-6MSD	95-50-1	1,2-Dichlorobenzene	MSD	RPD	13	%	20
FC14007-6MSD	541-73-1	1,3-Dichlorobenzene	MSD	REC	95	%	80-119
FC14007-6MSD	541-73-1	1,3-Dichlorobenzene	MSD	RPD	12	%	20
FC14007-6MSD	106-46-7	1,4-Dichlorobenzene	MSD	REC	96	%	79-118
FC14007-6MSD	106-46-7	1,4-Dichlorobenzene	MSD	RPD	11	%	20
FC14007-6MSD	75-34-3	1,1-Dichloroethane	MSD	REC	102	%	77-125
FC14007-6MSD	75-34-3	1,1-Dichloroethane	MSD	RPD	13	%	20
FC14007-6MSD	107-06-2	1,2-Dichloroethane	MSD	REC	103	%	73-128
FC14007-6MSD	107-06-2	1,2-Dichloroethane	MSD	RPD	13	%	20
FC14007-6MSD	75-35-4	1,1-Dichloroethylene	MSD	REC	112	%	71-131
FC14007-6MSD	75-35-4	1,1-Dichloroethylene	MSD	RPD	12	%	20
FC14007-6MSD	156-59-2	cis-1,2-Dichloroethylene	MSD	REC	94	%	78-123
FC14007-6MSD	156-59-2	cis-1,2-Dichloroethylene	MSD	RPD	10	%	20
FC14007-6MSD	156-60-5	trans-1,2-Dichloroethylene	MSD	REC	109	%	75-124
FC14007-6MSD	156-60-5	trans-1,2-Dichloroethylene	MSD	RPD	12	%	20
FC14007-6MSD	540-59-0	1,2-Dichloroethene (total)	MSD	REC	102	%	79-121
FC14007-6MSD	540-59-0	1,2-Dichloroethene (total)	MSD	RPD	11	%	20
FC14007-6MSD	78-87-5	1,2-Dichloropropane	MSD	REC	106	%	78-122
FC14007-6MSD	78-87-5	1,2-Dichloropropane	MSD	RPD	13	%	20
FC14007-6MSD	142-28-9	1,3-Dichloropropane	MSD	REC	104	%	80-119
FC14007-6MSD	142-28-9	1,3-Dichloropropane	MSD	RPD	13	%	20
FC14007-6MSD	594-20-7	2,2-Dichloropropane	MSD	REC	96	%	60-139
FC14007-6MSD	594-20-7	2,2-Dichloropropane	MSD	RPD	10	%	20
FC14007-6MSD	563-58-6	1,1-Dichloropropene	MSD	REC	110	%	79-125
FC14007-6MSD	563-58-6	1,1-Dichloropropene	MSD	RPD	11	%	20
FC14007-6MSD	10061-01-5	cis-1,3-Dichloropropene	MSD	REC	91	%	75-124
FC14007-6MSD	10061-01-5	cis-1,3-Dichloropropene	MSD	RPD	12	%	20
FC14007-6MSD	10061-02-6	trans-1,3-Dichloropropene	MSD	REC	87	%	73-127
FC14007-6MSD	10061-02-6	trans-1,3-Dichloropropene	MSD	RPD	13	%	20
FC14007-6MSD	100-41-4	Ethylbenzene	MSD	REC	99	%	79-121
FC14007-6MSD	100-41-4	Ethylbenzene	MSD	RPD	12	%	20
FC14007-6MSD	87-68-3	Hexachlorobutadiene	MSD	REC	102	%	66-134
FC14007-6MSD	87-68-3	Hexachlorobutadiene	MSD	RPD	17	%	20
FC14007-6MSD	591-78-6	2-Hexanone	MSD	REC	102	%	57-139
FC14007-6MSD	591-78-6	2-Hexanone	MSD	RPD	14	%	20

* Sample used for QC is not from job FC14007

QC Evaluation: DOD QSM5.x Limits

Job Number: FC14007
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 03/12/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FC14007-6MSD	98-82-8	Isopropylbenzene	MSD	REC	96	%	72-131
FC14007-6MSD	98-82-8	Isopropylbenzene	MSD	RPD	11	%	20
FC14007-6MSD	99-87-6	p-Isopropyltoluene	MSD	REC	99	%	77-127
FC14007-6MSD	99-87-6	p-Isopropyltoluene	MSD	RPD	11	%	20
FC14007-6MSD	74-83-9	Methyl Bromide	MSD	REC	103	%	53-141
FC14007-6MSD	74-83-9	Methyl Bromide	MSD	RPD	34	%	20
FC14007-6MSD	74-87-3	Methyl Chloride	MSD	REC	127	%	50-139
FC14007-6MSD	74-87-3	Methyl Chloride	MSD	RPD	20	%	20
FC14007-6MSD	74-95-3	Methylene Bromide	MSD	REC	96	%	79-123
FC14007-6MSD	74-95-3	Methylene Bromide	MSD	RPD	10	%	20
FC14007-6MSD	75-09-2	Methylene Chloride	MSD	REC	112	%	74-124
FC14007-6MSD	75-09-2	Methylene Chloride	MSD	RPD	12	%	20
FC14007-6MSD	108-10-1	4-Methyl-2-pentanone (MIBK)	MSD	REC	103	%	67-130
FC14007-6MSD	108-10-1	4-Methyl-2-pentanone (MIBK)	MSD	RPD	15	%	20
FC14007-6MSD	1634-04-4	Methyl Tert Butyl Ether	MSD	REC	98	%	71-124
FC14007-6MSD	1634-04-4	Methyl Tert Butyl Ether	MSD	RPD	14	%	20
FC14007-6MSD	91-20-3	Naphthalene	MSD	REC	86	%	61-128
FC14007-6MSD	91-20-3	Naphthalene	MSD	RPD	15	%	20
FC14007-6MSD	103-65-1	n-Propylbenzene	MSD	REC	99	%	76-126
FC14007-6MSD	103-65-1	n-Propylbenzene	MSD	RPD	10	%	20
FC14007-6MSD	100-42-5	Styrene	MSD	REC	95	%	78-123
FC14007-6MSD	100-42-5	Styrene	MSD	RPD	12	%	20
FC14007-6MSD	630-20-6	1,1,1,2-Tetrachloroethane	MSD	REC	89	%	78-124
FC14007-6MSD	630-20-6	1,1,1,2-Tetrachloroethane	MSD	RPD	12	%	20
FC14007-6MSD	79-34-5	1,1,2,2-Tetrachloroethane	MSD	REC	99	%	71-121
FC14007-6MSD	79-34-5	1,1,2,2-Tetrachloroethane	MSD	RPD	13	%	20
FC14007-6MSD	127-18-4	Tetrachloroethylene	MSD	REC	100	%	74-129
FC14007-6MSD	127-18-4	Tetrachloroethylene	MSD	RPD	10	%	20
FC14007-6MSD	108-88-3	Toluene	MSD	REC	99	%	80-121
FC14007-6MSD	108-88-3	Toluene	MSD	RPD	12	%	20
FC14007-6MSD	87-61-6	1,2,3-Trichlorobenzene	MSD	REC	91	%	69-129
FC14007-6MSD	87-61-6	1,2,3-Trichlorobenzene	MSD	RPD	13	%	20
FC14007-6MSD	120-82-1	1,2,4-Trichlorobenzene	MSD	REC	92	%	69-130
FC14007-6MSD	120-82-1	1,2,4-Trichlorobenzene	MSD	RPD	14	%	20
FC14007-6MSD	71-55-6	1,1,1-Trichloroethane	MSD	REC	102	%	74-131
FC14007-6MSD	71-55-6	1,1,1-Trichloroethane	MSD	RPD	10	%	20
FC14007-6MSD	79-00-5	1,1,2-Trichloroethane	MSD	REC	94	%	80-119
FC14007-6MSD	79-00-5	1,1,2-Trichloroethane	MSD	RPD	12	%	20
FC14007-6MSD	79-01-6	Trichloroethylene	MSD	REC	98	%	79-123
FC14007-6MSD	79-01-6	Trichloroethylene	MSD	RPD	12	%	20
FC14007-6MSD	75-69-4	Trichlorofluoromethane	MSD	REC	122	%	65-141
FC14007-6MSD	75-69-4	Trichlorofluoromethane	MSD	RPD	23	%	20
FC14007-6MSD	96-18-4	1,2,3-Trichloropropane	MSD	REC	103	%	73-122
FC14007-6MSD	96-18-4	1,2,3-Trichloropropane	MSD	RPD	10	%	20
FC14007-6MSD	95-63-6	1,2,4-Trimethylbenzene	MSD	REC	101	%	76-124

* Sample used for QC is not from job FC14007

QC Evaluation: DOD QSM5.x Limits

Job Number: FC14007
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 03/12/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FC14007-6MSD	95-63-6	1,2,4-Trimethylbenzene	MSD	RPD	13	%	20
FC14007-6MSD	108-67-8	1,3,5-Trimethylbenzene	MSD	REC	100	%	75-124
FC14007-6MSD	108-67-8	1,3,5-Trimethylbenzene	MSD	RPD	11	%	20
FC14007-6MSD	108-05-4	Vinyl Acetate	MSD	REC	110	%	54-146
FC14007-6MSD	108-05-4	Vinyl Acetate	MSD	RPD	8	%	20
FC14007-6MSD	75-01-4	Vinyl Chloride	MSD	REC	124	%	58-137
FC14007-6MSD	75-01-4	Vinyl Chloride	MSD	RPD	21	%	20
FC14007-6MSD		m,p-Xylene	MSD	REC	97	%	80-121
FC14007-6MSD		m,p-Xylene	MSD	RPD	11	%	20
FC14007-6MSD	95-47-6	o-Xylene	MSD	REC	93	%	78-122
FC14007-6MSD	95-47-6	o-Xylene	MSD	RPD	12	%	20
FC14007-6MSD	1330-20-7	Xylene (total)	MSD	REC	96	%	79-121
FC14007-6MSD	1330-20-7	Xylene (total)	MSD	RPD	11	%	20
FC14007-6MSD	1868-53-7	Dibromofluoromethane	MSD	SURR	100	%	80-119
FC14007-6MSD	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	103	%	81-118
FC14007-6MSD	2037-26-5	Toluene-D8	MSD	SURR	101	%	89-112
FC14007-6MSD	460-00-4	4-Bromofluorobenzene	MSD	SURR	101	%	85-114
V1O2976-MB	1868-53-7	Dibromofluoromethane	MB	SURR	99	%	80-119
V1O2976-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	100	%	81-118
V1O2976-MB	2037-26-5	Toluene-D8	MB	SURR	100	%	89-112
V1O2976-MB	460-00-4	4-Bromofluorobenzene	MB	SURR	102	%	85-114
FC14007-1	1868-53-7	Dibromofluoromethane	SAMP	SURR	99	%	80-119
FC14007-1	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	103	%	81-118
FC14007-1	2037-26-5	Toluene-D8	SAMP	SURR	100	%	89-112
FC14007-1	460-00-4	4-Bromofluorobenzene	SAMP	SURR	100	%	85-114
FC14007-2	1868-53-7	Dibromofluoromethane	SAMP	SURR	98	%	80-119
FC14007-2	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	104	%	81-118
FC14007-2	2037-26-5	Toluene-D8	SAMP	SURR	100	%	89-112
FC14007-2	460-00-4	4-Bromofluorobenzene	SAMP	SURR	102	%	85-114
FC14007-3	1868-53-7	Dibromofluoromethane	SAMP	SURR	97	%	80-119
FC14007-3	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	103	%	81-118
FC14007-3	2037-26-5	Toluene-D8	SAMP	SURR	100	%	89-112
FC14007-3	460-00-4	4-Bromofluorobenzene	SAMP	SURR	101	%	85-114
FC14007-4	1868-53-7	Dibromofluoromethane	SAMP	SURR	98	%	80-119
FC14007-4	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	102	%	81-118
FC14007-4	2037-26-5	Toluene-D8	SAMP	SURR	101	%	89-112
FC14007-4	460-00-4	4-Bromofluorobenzene	SAMP	SURR	101	%	85-114
FC14007-5	1868-53-7	Dibromofluoromethane	SAMP	SURR	98	%	80-119
FC14007-5	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	100	%	81-118
FC14007-5	2037-26-5	Toluene-D8	SAMP	SURR	100	%	89-112
FC14007-5	460-00-4	4-Bromofluorobenzene	SAMP	SURR	101	%	85-114
FC14007-6	1868-53-7	Dibromofluoromethane	SAMP	SURR	99	%	80-119
FC14007-6	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	100	%	81-118
FC14007-6	2037-26-5	Toluene-D8	SAMP	SURR	100	%	89-112
FC14007-6	460-00-4	4-Bromofluorobenzene	SAMP	SURR	102	%	85-114

* Sample used for QC is not from job FC14007

QC Evaluation: DOD QSM5.x Limits

Job Number: FC14007
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 03/12/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FC14007-7	1868-53-7	Dibromofluoromethane	SAMP	SURR	98	%	80-119
FC14007-7	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	102	%	81-118
FC14007-7	2037-26-5	Toluene-D8	SAMP	SURR	101	%	89-112
FC14007-7	460-00-4	4-Bromofluorobenzene	SAMP	SURR	101	%	85-114
FC14007-8	1868-53-7	Dibromofluoromethane	SAMP	SURR	98	%	80-119
FC14007-8	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	103	%	81-118
FC14007-8	2037-26-5	Toluene-D8	SAMP	SURR	100	%	89-112
FC14007-8	460-00-4	4-Bromofluorobenzene	SAMP	SURR	100	%	85-114
V1O2977	SW846 8260D						
V1O2977-BS	67-64-1	Acetone	BSP	REC	123	%	39-160
V1O2977-BS	71-43-2	Benzene	BSP	REC	104	%	79-120
V1O2977-BS	108-86-1	Bromobenzene	BSP	REC	105	%	80-120
V1O2977-BS	74-97-5	Bromochloromethane	BSP	REC	98	%	78-123
V1O2977-BS	75-27-4	Bromodichloromethane	BSP	REC	93	%	79-125
V1O2977-BS	75-25-2	Bromoform	BSP	REC	86	%	66-130
V1O2977-BS	78-93-3	2-Butanone (MEK)	BSP	REC	105	%	56-143
V1O2977-BS	104-51-8	n-Butylbenzene	BSP	REC	105	%	75-128
V1O2977-BS	135-98-8	sec-Butylbenzene	BSP	REC	97	%	77-126
V1O2977-BS	98-06-6	tert-Butylbenzene	BSP	REC	100	%	78-124
V1O2977-BS	75-15-0	Carbon Disulfide	BSP	REC	101	%	64-133
V1O2977-BS	56-23-5	Carbon Tetrachloride	BSP	REC	93	%	72-136
V1O2977-BS	108-90-7	Chlorobenzene	BSP	REC	98	%	82-118
V1O2977-BS	75-00-3	Chloroethane	BSP	REC	132	%	60-138
V1O2977-BS	67-66-3	Chloroform	BSP	REC	102	%	79-124
V1O2977-BS	95-49-8	o-Chlorotoluene	BSP	REC	99	%	79-122
V1O2977-BS	106-43-4	p-Chlorotoluene	BSP	REC	98	%	78-122
V1O2977-BS	124-48-1	Dibromochloromethane	BSP	REC	94	%	74-126
V1O2977-BS	96-12-8	1,2-Dibromo-3-chloropropane	BSP	REC	103	%	62-128
V1O2977-BS	106-93-4	1,2-Dibromoethane	BSP	REC	98	%	77-121
V1O2977-BS	75-71-8	Dichlorodifluoromethane	BSP	REC	145	%	32-152
V1O2977-BS	95-50-1	1,2-Dichlorobenzene	BSP	REC	96	%	80-119
V1O2977-BS	541-73-1	1,3-Dichlorobenzene	BSP	REC	96	%	80-119
V1O2977-BS	106-46-7	1,4-Dichlorobenzene	BSP	REC	98	%	79-118
V1O2977-BS	75-34-3	1,1-Dichloroethane	BSP	REC	101	%	77-125
V1O2977-BS	107-06-2	1,2-Dichloroethane	BSP	REC	105	%	73-128
V1O2977-BS	75-35-4	1,1-Dichloroethylene	BSP	REC	108	%	71-131
V1O2977-BS	156-59-2	cis-1,2-Dichloroethylene	BSP	REC	98	%	78-123
V1O2977-BS	156-60-5	trans-1,2-Dichloroethylene	BSP	REC	108	%	75-124
V1O2977-BS	540-59-0	1,2-Dichloroethene (total)	BSP	REC	103	%	79-121
V1O2977-BS	78-87-5	1,2-Dichloropropane	BSP	REC	108	%	78-122
V1O2977-BS	142-28-9	1,3-Dichloropropane	BSP	REC	106	%	80-119
V1O2977-BS	594-20-7	2,2-Dichloropropane	BSP	REC	106	%	60-139
V1O2977-BS	563-58-6	1,1-Dichloropropene	BSP	REC	108	%	79-125

* Sample used for QC is not from job FC14007

QC Evaluation: DOD QSM5.x Limits

Job Number: FC14007
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 03/12/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
V1O2977-BS	10061-01-5	cis-1,3-Dichloropropene	BSP	REC	99	%	75-124
V1O2977-BS	10061-02-6	trans-1,3-Dichloropropene	BSP	REC	93	%	73-127
V1O2977-BS	100-41-4	Ethylbenzene	BSP	REC	98	%	79-121
V1O2977-BS	87-68-3	Hexachlorobutadiene	BSP	REC	110	%	66-134
V1O2977-BS	591-78-6	2-Hexanone	BSP	REC	110	%	57-139
V1O2977-BS	98-82-8	Isopropylbenzene	BSP	REC	97	%	72-131
V1O2977-BS	99-87-6	p-Isopropyltoluene	BSP	REC	102	%	77-127
V1O2977-BS	74-83-9	Methyl Bromide	BSP	REC	110	%	53-141
V1O2977-BS	74-87-3	Methyl Chloride	BSP	REC	125	%	50-139
V1O2977-BS	74-95-3	Methylene Bromide	BSP	REC	102	%	79-123
V1O2977-BS	75-09-2	Methylene Chloride	BSP	REC	129	%	74-124
V1O2977-BS	108-10-1	4-Methyl-2-pentanone (MIBK)	BSP	REC	109	%	67-130
V1O2977-BS	1634-04-4	Methyl Tert Butyl Ether	BSP	REC	101	%	71-124
V1O2977-BS	91-20-3	Naphthalene	BSP	REC	92	%	61-128
V1O2977-BS	103-65-1	n-Propylbenzene	BSP	REC	100	%	76-126
V1O2977-BS	100-42-5	Styrene	BSP	REC	98	%	78-123
V1O2977-BS	630-20-6	1,1,1,2-Tetrachloroethane	BSP	REC	92	%	78-124
V1O2977-BS	79-34-5	1,1,2,2-Tetrachloroethane	BSP	REC	101	%	71-121
V1O2977-BS	127-18-4	Tetrachloroethylene	BSP	REC	102	%	74-129
V1O2977-BS	108-88-3	Toluene	BSP	REC	99	%	80-121
V1O2977-BS	87-61-6	1,2,3-Trichlorobenzene	BSP	REC	99	%	69-129
V1O2977-BS	120-82-1	1,2,4-Trichlorobenzene	BSP	REC	99	%	69-130
V1O2977-BS	71-55-6	1,1,1-Trichloroethane	BSP	REC	102	%	74-131
V1O2977-BS	79-00-5	1,1,2-Trichloroethane	BSP	REC	95	%	80-119
V1O2977-BS	79-01-6	Trichloroethylene	BSP	REC	99	%	79-123
V1O2977-BS	75-69-4	Trichlorofluoromethane	BSP	REC	113	%	65-141
V1O2977-BS	96-18-4	1,2,3-Trichloropropane	BSP	REC	107	%	73-122
V1O2977-BS	95-63-6	1,2,4-Trimethylbenzene	BSP	REC	102	%	76-124
V1O2977-BS	108-67-8	1,3,5-Trimethylbenzene	BSP	REC	100	%	75-124
V1O2977-BS	108-05-4	Vinyl Acetate	BSP	REC	115	%	54-146
V1O2977-BS	75-01-4	Vinyl Chloride	BSP	REC	119	%	58-137
V1O2977-BS		m,p-Xylene	BSP	REC	98	%	80-121
V1O2977-BS	95-47-6	o-Xylene	BSP	REC	94	%	78-122
V1O2977-BS	1330-20-7	Xylene (total)	BSP	REC	97	%	79-121
V1O2977-BS	1868-53-7	Dibromofluoromethane	BSP	SURR	101	%	80-119
V1O2977-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	102	%	81-118
V1O2977-BS	2037-26-5	Toluene-D8	BSP	SURR	99	%	89-112
V1O2977-BS	460-00-4	4-Bromofluorobenzene	BSP	SURR	100	%	85-114
FC14048-1MS*	67-64-1	Acetone	MS	REC	120	%	39-160
FC14048-1MS*	71-43-2	Benzene	MS	REC	114	%	79-120
FC14048-1MS*	108-86-1	Bromobenzene	MS	REC	111	%	80-120
FC14048-1MS*	74-97-5	Bromochloromethane	MS	REC	109	%	78-123
FC14048-1MS*	75-27-4	Bromodichloromethane	MS	REC	98	%	79-125
FC14048-1MS*	75-25-2	Bromoform	MS	REC	84	%	66-130
FC14048-1MS*	78-93-3	2-Butanone (MEK)	MS	REC	107	%	56-143

* Sample used for QC is not from job FC14007

QC Evaluation: DOD QSM5.x Limits

Job Number: FC14007
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 03/12/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FC14048-1MS*	104-51-8	n-Butylbenzene	MS	REC	107	%	75-128
FC14048-1MS*	135-98-8	sec-Butylbenzene	MS	REC	102	%	77-126
FC14048-1MS*	98-06-6	tert-Butylbenzene	MS	REC	107	%	78-124
FC14048-1MS*	75-15-0	Carbon Disulfide	MS	REC	112	%	64-133
FC14048-1MS*	56-23-5	Carbon Tetrachloride	MS	REC	101	%	72-136
FC14048-1MS*	108-90-7	Chlorobenzene	MS	REC	106	%	82-118
FC14048-1MS*	75-00-3	Chloroethane	MS	REC	280	%	60-138
FC14048-1MS*	67-66-3	Chloroform	MS	REC	112	%	79-124
FC14048-1MS*	95-49-8	o-Chlorotoluene	MS	REC	106	%	79-122
FC14048-1MS*	106-43-4	p-Chlorotoluene	MS	REC	104	%	78-122
FC14048-1MS*	124-48-1	Dibromochloromethane	MS	REC	96	%	74-126
FC14048-1MS*	96-12-8	1,2-Dibromo-3-chloropropane	MS	REC	103	%	62-128
FC14048-1MS*	106-93-4	1,2-Dibromoethane	MS	REC	104	%	77-121
FC14048-1MS*	75-71-8	Dichlorodifluoromethane	MS	REC	153	%	32-152
FC14048-1MS*	95-50-1	1,2-Dichlorobenzene	MS	REC	104	%	80-119
FC14048-1MS*	541-73-1	1,3-Dichlorobenzene	MS	REC	102	%	80-119
FC14048-1MS*	106-46-7	1,4-Dichlorobenzene	MS	REC	105	%	79-118
FC14048-1MS*	75-34-3	1,1-Dichloroethane	MS	REC	117	%	77-125
FC14048-1MS*	107-06-2	1,2-Dichloroethane	MS	REC	116	%	73-128
FC14048-1MS*	75-35-4	1,1-Dichloroethylene	MS	REC	125	%	71-131
FC14048-1MS*	156-59-2	cis-1,2-Dichloroethylene	MS	REC	105	%	78-123
FC14048-1MS*	156-60-5	trans-1,2-Dichloroethylene	MS	REC	121	%	75-124
FC14048-1MS*	540-59-0	1,2-Dichloroethene (total)	MS	REC	113	%	79-121
FC14048-1MS*	78-87-5	1,2-Dichloropropane	MS	REC	120	%	78-122
FC14048-1MS*	142-28-9	1,3-Dichloropropane	MS	REC	115	%	80-119
FC14048-1MS*	594-20-7	2,2-Dichloropropane	MS	REC	106	%	60-139
FC14048-1MS*	563-58-6	1,1-Dichloropropene	MS	REC	123	%	79-125
FC14048-1MS*	10061-01-5	cis-1,3-Dichloropropene	MS	REC	101	%	75-124
FC14048-1MS*	10061-02-6	trans-1,3-Dichloropropene	MS	REC	94	%	73-127
FC14048-1MS*	100-41-4	Ethylbenzene	MS	REC	108	%	79-121
FC14048-1MS*	87-68-3	Hexachlorobutadiene	MS	REC	105	%	66-134
FC14048-1MS*	591-78-6	2-Hexanone	MS	REC	123	%	57-139
FC14048-1MS*	98-82-8	Isopropylbenzene	MS	REC	106	%	72-131
FC14048-1MS*	99-87-6	p-Isopropyltoluene	MS	REC	106	%	77-127
FC14048-1MS*	74-83-9	Methyl Bromide	MS	REC	94	%	53-141
FC14048-1MS*	74-87-3	Methyl Chloride	MS	REC	131	%	50-139
FC14048-1MS*	74-95-3	Methylene Bromide	MS	REC	110	%	79-123
FC14048-1MS*	75-09-2	Methylene Chloride	MS	REC	128	%	74-124
FC14048-1MS*	108-10-1	4-Methyl-2-pentanone (MIBK)	MS	REC	119	%	67-130
FC14048-1MS*	1634-04-4	Methyl Tert Butyl Ether	MS	REC	109	%	71-124
FC14048-1MS*	91-20-3	Naphthalene	MS	REC	94	%	61-128
FC14048-1MS*	103-65-1	n-Propylbenzene	MS	REC	107	%	76-126
FC14048-1MS*	100-42-5	Styrene	MS	REC	105	%	78-123
FC14048-1MS*	630-20-6	1,1,1,2-Tetrachloroethane	MS	REC	97	%	78-124
FC14048-1MS*	79-34-5	1,1,2,2-Tetrachloroethane	MS	REC	110	%	71-121

* Sample used for QC is not from job FC14007

QC Evaluation: DOD QSM5.x Limits

Job Number: FC14007
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 03/12/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FC14048-1MS*	127-18-4	Tetrachloroethylene	MS	REC	109	%	74-129
FC14048-1MS*	108-88-3	Toluene	MS	REC	110	%	80-121
FC14048-1MS*	87-61-6	1,2,3-Trichlorobenzene	MS	REC	98	%	69-129
FC14048-1MS*	120-82-1	1,2,4-Trichlorobenzene	MS	REC	97	%	69-130
FC14048-1MS*	71-55-6	1,1,1-Trichloroethane	MS	REC	116	%	74-131
FC14048-1MS*	79-00-5	1,1,2-Trichloroethane	MS	REC	106	%	80-119
FC14048-1MS*	79-01-6	Trichloroethylene	MS	REC	108	%	79-123
FC14048-1MS*	75-69-4	Trichlorofluoromethane	MS	REC	128	%	65-141
FC14048-1MS*	96-18-4	1,2,3-Trichloropropane	MS	REC	115	%	73-122
FC14048-1MS*	95-63-6	1,2,4-Trimethylbenzene	MS	REC	108	%	76-124
FC14048-1MS*	108-67-8	1,3,5-Trimethylbenzene	MS	REC	108	%	75-124
FC14048-1MS*	108-05-4	Vinyl Acetate	MS	REC	126	%	54-146
FC14048-1MS*	75-01-4	Vinyl Chloride	MS	REC	124	%	58-137
FC14048-1MS*		m,p-Xylene	MS	REC	106	%	80-121
FC14048-1MS*	95-47-6	o-Xylene	MS	REC	101	%	78-122
FC14048-1MS*	1330-20-7	Xylene (total)	MS	REC	105	%	79-121
FC14048-1MS*	1868-53-7	Dibromofluoromethane	MS	SURR	102	%	80-119
FC14048-1MS*	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	106	%	81-118
FC14048-1MS*	2037-26-5	Toluene-D8	MS	SURR	100	%	89-112
FC14048-1MS*	460-00-4	4-Bromofluorobenzene	MS	SURR	100	%	85-114
FC14048-1MSD*	67-64-1	Acetone	MSD	REC	121	%	39-160
FC14048-1MSD*	67-64-1	Acetone	MSD	RPD	1	%	20
FC14048-1MSD*	71-43-2	Benzene	MSD	REC	112	%	79-120
FC14048-1MSD*	71-43-2	Benzene	MSD	RPD	1	%	20
FC14048-1MSD*	108-86-1	Bromobenzene	MSD	REC	108	%	80-120
FC14048-1MSD*	108-86-1	Bromobenzene	MSD	RPD	3	%	20
FC14048-1MSD*	74-97-5	Bromochloromethane	MSD	REC	108	%	78-123
FC14048-1MSD*	74-97-5	Bromochloromethane	MSD	RPD	1	%	20
FC14048-1MSD*	75-27-4	Bromodichloromethane	MSD	REC	98	%	79-125
FC14048-1MSD*	75-27-4	Bromodichloromethane	MSD	RPD	0	%	20
FC14048-1MSD*	75-25-2	Bromoform	MSD	REC	82	%	66-130
FC14048-1MSD*	75-25-2	Bromoform	MSD	RPD	2	%	20
FC14048-1MSD*	78-93-3	2-Butanone (MEK)	MSD	REC	108	%	56-143
FC14048-1MSD*	78-93-3	2-Butanone (MEK)	MSD	RPD	1	%	20
FC14048-1MSD*	104-51-8	n-Butylbenzene	MSD	REC	105	%	75-128
FC14048-1MSD*	104-51-8	n-Butylbenzene	MSD	RPD	2	%	20
FC14048-1MSD*	135-98-8	sec-Butylbenzene	MSD	REC	102	%	77-126
FC14048-1MSD*	135-98-8	sec-Butylbenzene	MSD	RPD	1	%	20
FC14048-1MSD*	98-06-6	tert-Butylbenzene	MSD	REC	105	%	78-124
FC14048-1MSD*	98-06-6	tert-Butylbenzene	MSD	RPD	2	%	20
FC14048-1MSD*	75-15-0	Carbon Disulfide	MSD	REC	110	%	64-133
FC14048-1MSD*	75-15-0	Carbon Disulfide	MSD	RPD	2	%	20
FC14048-1MSD*	56-23-5	Carbon Tetrachloride	MSD	REC	104	%	72-136
FC14048-1MSD*	56-23-5	Carbon Tetrachloride	MSD	RPD	3	%	20
FC14048-1MSD*	108-90-7	Chlorobenzene	MSD	REC	103	%	82-118

* Sample used for QC is not from job FC14007

QC Evaluation: DOD QSM5.x Limits

Job Number: FC14007
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 03/12/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FC14048-1MSD*	108-90-7	Chlorobenzene	MSD	RPD	3	%	20
FC14048-1MSD*	75-00-3	Chloroethane	MSD	REC	240	%	60-138
FC14048-1MSD*	75-00-3	Chloroethane	MSD	RPD	15	%	20
FC14048-1MSD*	67-66-3	Chloroform	MSD	REC	110	%	79-124
FC14048-1MSD*	67-66-3	Chloroform	MSD	RPD	1	%	20
FC14048-1MSD*	95-49-8	o-Chlorotoluene	MSD	REC	104	%	79-122
FC14048-1MSD*	95-49-8	o-Chlorotoluene	MSD	RPD	3	%	20
FC14048-1MSD*	106-43-4	p-Chlorotoluene	MSD	REC	103	%	78-122
FC14048-1MSD*	106-43-4	p-Chlorotoluene	MSD	RPD	1	%	20
FC14048-1MSD*	124-48-1	Dibromochloromethane	MSD	REC	97	%	74-126
FC14048-1MSD*	124-48-1	Dibromochloromethane	MSD	RPD	1	%	20
FC14048-1MSD*	96-12-8	1,2-Dibromo-3-chloropropane	MSD	REC	104	%	62-128
FC14048-1MSD*	96-12-8	1,2-Dibromo-3-chloropropane	MSD	RPD	1	%	20
FC14048-1MSD*	106-93-4	1,2-Dibromoethane	MSD	REC	106	%	77-121
FC14048-1MSD*	106-93-4	1,2-Dibromoethane	MSD	RPD	1	%	20
FC14048-1MSD*	75-71-8	Dichlorodifluoromethane	MSD	REC	169	%	32-152
FC14048-1MSD*	75-71-8	Dichlorodifluoromethane	MSD	RPD	9	%	20
FC14048-1MSD*	95-50-1	1,2-Dichlorobenzene	MSD	REC	103	%	80-119
FC14048-1MSD*	95-50-1	1,2-Dichlorobenzene	MSD	RPD	0	%	20
FC14048-1MSD*	541-73-1	1,3-Dichlorobenzene	MSD	REC	100	%	80-119
FC14048-1MSD*	541-73-1	1,3-Dichlorobenzene	MSD	RPD	2	%	20
FC14048-1MSD*	106-46-7	1,4-Dichlorobenzene	MSD	REC	103	%	79-118
FC14048-1MSD*	106-46-7	1,4-Dichlorobenzene	MSD	RPD	2	%	20
FC14048-1MSD*	75-34-3	1,1-Dichloroethane	MSD	REC	117	%	77-125
FC14048-1MSD*	75-34-3	1,1-Dichloroethane	MSD	RPD	0	%	20
FC14048-1MSD*	107-06-2	1,2-Dichloroethane	MSD	REC	115	%	73-128
FC14048-1MSD*	107-06-2	1,2-Dichloroethane	MSD	RPD	1	%	20
FC14048-1MSD*	75-35-4	1,1-Dichloroethylene	MSD	REC	123	%	71-131
FC14048-1MSD*	75-35-4	1,1-Dichloroethylene	MSD	RPD	1	%	20
FC14048-1MSD*	156-59-2	cis-1,2-Dichloroethylene	MSD	REC	105	%	78-123
FC14048-1MSD*	156-59-2	cis-1,2-Dichloroethylene	MSD	RPD	0	%	20
FC14048-1MSD*	156-60-5	trans-1,2-Dichloroethylene	MSD	REC	120	%	75-124
FC14048-1MSD*	156-60-5	trans-1,2-Dichloroethylene	MSD	RPD	1	%	20
FC14048-1MSD*	540-59-0	1,2-Dichloroethene (total)	MSD	REC	112	%	79-121
FC14048-1MSD*	540-59-0	1,2-Dichloroethene (total)	MSD	RPD	1	%	20
FC14048-1MSD*	78-87-5	1,2-Dichloropropane	MSD	REC	117	%	78-122
FC14048-1MSD*	78-87-5	1,2-Dichloropropane	MSD	RPD	2	%	20
FC14048-1MSD*	142-28-9	1,3-Dichloropropane	MSD	REC	114	%	80-119
FC14048-1MSD*	142-28-9	1,3-Dichloropropane	MSD	RPD	1	%	20
FC14048-1MSD*	594-20-7	2,2-Dichloropropane	MSD	REC	105	%	60-139
FC14048-1MSD*	594-20-7	2,2-Dichloropropane	MSD	RPD	1	%	20
FC14048-1MSD*	563-58-6	1,1-Dichloropropene	MSD	REC	122	%	79-125
FC14048-1MSD*	563-58-6	1,1-Dichloropropene	MSD	RPD	1	%	20
FC14048-1MSD*	10061-01-5	cis-1,3-Dichloropropene	MSD	REC	101	%	75-124
FC14048-1MSD*	10061-01-5	cis-1,3-Dichloropropene	MSD	RPD	0	%	20

* Sample used for QC is not from job FC14007

QC Evaluation: DOD QSM5.x Limits

Job Number: FC14007
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 03/12/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FC14048-1MSD*	10061-02-6	trans-1,3-Dichloropropene	MSD	REC	94	%	73-127
FC14048-1MSD*	10061-02-6	trans-1,3-Dichloropropene	MSD	RPD	0	%	20
FC14048-1MSD*	100-41-4	Ethylbenzene	MSD	REC	106	%	79-121
FC14048-1MSD*	100-41-4	Ethylbenzene	MSD	RPD	2	%	20
FC14048-1MSD*	87-68-3	Hexachlorobutadiene	MSD	REC	105	%	66-134
FC14048-1MSD*	87-68-3	Hexachlorobutadiene	MSD	RPD	0	%	20
FC14048-1MSD*	591-78-6	2-Hexanone	MSD	REC	125	%	57-139
FC14048-1MSD*	591-78-6	2-Hexanone	MSD	RPD	1	%	20
FC14048-1MSD*	98-82-8	Isopropylbenzene	MSD	REC	104	%	72-131
FC14048-1MSD*	98-82-8	Isopropylbenzene	MSD	RPD	2	%	20
FC14048-1MSD*	99-87-6	p-Isopropyltoluene	MSD	REC	104	%	77-127
FC14048-1MSD*	99-87-6	p-Isopropyltoluene	MSD	RPD	2	%	20
FC14048-1MSD*	74-83-9	Methyl Bromide	MSD	REC	112	%	53-141
FC14048-1MSD*	74-83-9	Methyl Bromide	MSD	RPD	18	%	20
FC14048-1MSD*	74-87-3	Methyl Chloride	MSD	REC	143	%	50-139
FC14048-1MSD*	74-87-3	Methyl Chloride	MSD	RPD	9	%	20
FC14048-1MSD*	74-95-3	Methylene Bromide	MSD	REC	110	%	79-123
FC14048-1MSD*	74-95-3	Methylene Bromide	MSD	RPD	0	%	20
FC14048-1MSD*	75-09-2	Methylene Chloride	MSD	REC	125	%	74-124
FC14048-1MSD*	75-09-2	Methylene Chloride	MSD	RPD	2	%	20
FC14048-1MSD*	108-10-1	4-Methyl-2-pentanone (MIBK)	MSD	REC	118	%	67-130
FC14048-1MSD*	108-10-1	4-Methyl-2-pentanone (MIBK)	MSD	RPD	1	%	20
FC14048-1MSD*	1634-04-4	Methyl Tert Butyl Ether	MSD	REC	108	%	71-124
FC14048-1MSD*	1634-04-4	Methyl Tert Butyl Ether	MSD	RPD	0	%	20
FC14048-1MSD*	91-20-3	Naphthalene	MSD	REC	92	%	61-128
FC14048-1MSD*	91-20-3	Naphthalene	MSD	RPD	3	%	20
FC14048-1MSD*	103-65-1	n-Propylbenzene	MSD	REC	106	%	76-126
FC14048-1MSD*	103-65-1	n-Propylbenzene	MSD	RPD	2	%	20
FC14048-1MSD*	100-42-5	Styrene	MSD	REC	104	%	78-123
FC14048-1MSD*	100-42-5	Styrene	MSD	RPD	2	%	20
FC14048-1MSD*	630-20-6	1,1,1,2-Tetrachloroethane	MSD	REC	96	%	78-124
FC14048-1MSD*	630-20-6	1,1,1,2-Tetrachloroethane	MSD	RPD	1	%	20
FC14048-1MSD*	79-34-5	1,1,2,2-Tetrachloroethane	MSD	REC	109	%	71-121
FC14048-1MSD*	79-34-5	1,1,2,2-Tetrachloroethane	MSD	RPD	1	%	20
FC14048-1MSD*	127-18-4	Tetrachloroethylene	MSD	REC	106	%	74-129
FC14048-1MSD*	127-18-4	Tetrachloroethylene	MSD	RPD	3	%	20
FC14048-1MSD*	108-88-3	Toluene	MSD	REC	108	%	80-121
FC14048-1MSD*	108-88-3	Toluene	MSD	RPD	1	%	20
FC14048-1MSD*	87-61-6	1,2,3-Trichlorobenzene	MSD	REC	99	%	69-129
FC14048-1MSD*	87-61-6	1,2,3-Trichlorobenzene	MSD	RPD	0	%	20
FC14048-1MSD*	120-82-1	1,2,4-Trichlorobenzene	MSD	REC	96	%	69-130
FC14048-1MSD*	120-82-1	1,2,4-Trichlorobenzene	MSD	RPD	2	%	20
FC14048-1MSD*	71-55-6	1,1,1-Trichloroethane	MSD	REC	117	%	74-131
FC14048-1MSD*	71-55-6	1,1,1-Trichloroethane	MSD	RPD	1	%	20
FC14048-1MSD*	79-00-5	1,1,2-Trichloroethane	MSD	REC	102	%	80-119

* Sample used for QC is not from job FC14007

QC Evaluation: DOD QSM5.x Limits

Job Number: FC14007
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 03/12/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FC14048-1MSD*	79-00-5	1,1,2-Trichloroethane	MSD	RPD	4	%	20
FC14048-1MSD*	79-01-6	Trichloroethylene	MSD	REC	108	%	79-123
FC14048-1MSD*	79-01-6	Trichloroethylene	MSD	RPD	0	%	20
FC14048-1MSD*	75-69-4	Trichlorofluoromethane	MSD	REC	134	%	65-141
FC14048-1MSD*	75-69-4	Trichlorofluoromethane	MSD	RPD	4	%	20
FC14048-1MSD*	96-18-4	1,2,3-Trichloropropane	MSD	REC	116	%	73-122
FC14048-1MSD*	96-18-4	1,2,3-Trichloropropane	MSD	RPD	1	%	20
FC14048-1MSD*	95-63-6	1,2,4-Trimethylbenzene	MSD	REC	106	%	76-124
FC14048-1MSD*	95-63-6	1,2,4-Trimethylbenzene	MSD	RPD	2	%	20
FC14048-1MSD*	108-67-8	1,3,5-Trimethylbenzene	MSD	REC	105	%	75-124
FC14048-1MSD*	108-67-8	1,3,5-Trimethylbenzene	MSD	RPD	2	%	20
FC14048-1MSD*	108-05-4	Vinyl Acetate	MSD	REC	126	%	54-146
FC14048-1MSD*	108-05-4	Vinyl Acetate	MSD	RPD	1	%	20
FC14048-1MSD*	75-01-4	Vinyl Chloride	MSD	REC	137	%	58-137
FC14048-1MSD*	75-01-4	Vinyl Chloride	MSD	RPD	10	%	20
FC14048-1MSD*		m,p-Xylene	MSD	REC	103	%	80-121
FC14048-1MSD*		m,p-Xylene	MSD	RPD	3	%	20
FC14048-1MSD*	95-47-6	o-Xylene	MSD	REC	100	%	78-122
FC14048-1MSD*	95-47-6	o-Xylene	MSD	RPD	2	%	20
FC14048-1MSD*	1330-20-7	Xylene (total)	MSD	REC	102	%	79-121
FC14048-1MSD*	1330-20-7	Xylene (total)	MSD	RPD	2	%	20
FC14048-1MSD*	1868-53-7	Dibromofluoromethane	MSD	SURR	102	%	80-119
FC14048-1MSD*	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	108	%	81-118
FC14048-1MSD*	2037-26-5	Toluene-D8	MSD	SURR	100	%	89-112
FC14048-1MSD*	460-00-4	4-Bromofluorobenzene	MSD	SURR	100	%	85-114
V1O2977-MB	1868-53-7	Dibromofluoromethane	MB	SURR	99	%	80-119
V1O2977-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	100	%	81-118
V1O2977-MB	2037-26-5	Toluene-D8	MB	SURR	100	%	89-112
V1O2977-MB	460-00-4	4-Bromofluorobenzene	MB	SURR	100	%	85-114
FC14007-2	1868-53-7	Dibromofluoromethane	SAMP	SURR	98	%	80-119
FC14007-2	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	105	%	81-118
FC14007-2	2037-26-5	Toluene-D8	SAMP	SURR	100	%	89-112
FC14007-2	460-00-4	4-Bromofluorobenzene	SAMP	SURR	100	%	85-114
FC14007-3	1868-53-7	Dibromofluoromethane	SAMP	SURR	97	%	80-119
FC14007-3	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	103	%	81-118
FC14007-3	2037-26-5	Toluene-D8	SAMP	SURR	101	%	89-112
FC14007-3	460-00-4	4-Bromofluorobenzene	SAMP	SURR	101	%	85-114
FC14007-9	1868-53-7	Dibromofluoromethane	SAMP	SURR	97	%	80-119
FC14007-9	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	105	%	81-118
FC14007-9	2037-26-5	Toluene-D8	SAMP	SURR	99	%	89-112
FC14007-9	460-00-4	4-Bromofluorobenzene	SAMP	SURR	98	%	85-114
FC14007-10	1868-53-7	Dibromofluoromethane	SAMP	SURR	98	%	80-119
FC14007-10	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	105	%	81-118
FC14007-10	2037-26-5	Toluene-D8	SAMP	SURR	100	%	89-112
FC14007-10	460-00-4	4-Bromofluorobenzene	SAMP	SURR	101	%	85-114

* Sample used for QC is not from job FC14007

QC Evaluation: DOD QSM5.x Limits

Job Number: FC14007
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 03/12/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FC14007-11	1868-53-7	Dibromofluoromethane	SAMP	SURR	98	%	80-119
FC14007-11	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	102	%	81-118
FC14007-11	2037-26-5	Toluene-D8	SAMP	SURR	100	%	89-112
FC14007-11	460-00-4	4-Bromofluorobenzene	SAMP	SURR	100	%	85-114
FC14007-12	1868-53-7	Dibromofluoromethane	SAMP	SURR	99	%	80-119
FC14007-12	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	105	%	81-118
FC14007-12	2037-26-5	Toluene-D8	SAMP	SURR	100	%	89-112
FC14007-12	460-00-4	4-Bromofluorobenzene	SAMP	SURR	99	%	85-114

* Sample used for QC is not from job FC14007

MS Volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: FC14007
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1O2976-MB [a]	1O82625.D	1	03/14/24	JW	n/a	n/a	V1O2976

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

FC14007-1, FC14007-2, FC14007-3, FC14007-4, FC14007-5, FC14007-6, FC14007-7, FC14007-8

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.37	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.45	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.24	ug/l	
75-25-2	Bromoform	ND	1.0	0.41	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.0	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.23	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.24	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.31	ug/l	
75-15-0	Carbon Disulfide	ND	2.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	ND	1.0	0.36	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.67	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.22	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.31	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.34	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	2.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.43	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.31	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.24	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

Method Blank Summary

Job Number: FC14007
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1O2976-MB [a]	1O82625.D	1	03/14/24	JW	n/a	n/a	V1O2976

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

FC14007-1, FC14007-2, FC14007-3, FC14007-4, FC14007-5, FC14007-6, FC14007-7, FC14007-8

CAS No.	Compound	Result	RL	MDL	Units	Q
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.30	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.22	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
74-83-9	Methyl Bromide	ND	5.0	2.0	ug/l	
74-87-3	Methyl Chloride	ND	2.0	0.50	ug/l	
74-95-3	Methylene Bromide	ND	2.0	0.37	ug/l	
75-09-2	Methylene Chloride	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.23	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.29	ug/l	
100-42-5	Styrene	ND	1.0	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.47	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.35	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	0.27	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
75-01-4	Vinyl Chloride	ND	1.0	0.41	ug/l	
	m,p-Xylene	ND	2.0	0.47	ug/l	
95-47-6	o-Xylene	ND	1.0	0.26	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	

Method Blank Summary

Job Number: FC14007
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1O2976-MB [a]	1O82625.D	1	03/14/24	JW	n/a	n/a	V1O2976

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

FC14007-1, FC14007-2, FC14007-3, FC14007-4, FC14007-5, FC14007-6, FC14007-7, FC14007-8

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	99%	83-118%
17060-07-0	1,2-Dichloroethane-D4	100%	79-125%
2037-26-5	Toluene-D8	100%	85-112%
460-00-4	4-Bromofluorobenzene	102%	83-118%

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

(a) Sample was treated with an anti-foaming agent.

Method Blank Summary

Job Number: FC14007
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1O2977-MB	1O82653.D	1	03/15/24	JW	n/a	n/a	V1O2977

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

FC14007-2, FC14007-3, FC14007-9, FC14007-10, FC14007-11, FC14007-12

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.37	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.45	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.24	ug/l	
75-25-2	Bromoform	ND	1.0	0.41	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.0	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.23	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.24	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.31	ug/l	
75-15-0	Carbon Disulfide	ND	2.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	ND	1.0	0.36	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.67	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.22	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.31	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.34	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	2.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.43	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.31	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.24	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

Method Blank Summary

Job Number: FC14007
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1O2977-MB	1O82653.D	1	03/15/24	JW	n/a	n/a	V1O2977

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

FC14007-2, FC14007-3, FC14007-9, FC14007-10, FC14007-11, FC14007-12

CAS No.	Compound	Result	RL	MDL	Units	Q
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.30	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.22	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
74-83-9	Methyl Bromide	ND	5.0	2.0	ug/l	
74-87-3	Methyl Chloride	ND	2.0	0.50	ug/l	
74-95-3	Methylene Bromide	ND	2.0	0.37	ug/l	
75-09-2	Methylene Chloride	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.23	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.29	ug/l	
100-42-5	Styrene	ND	1.0	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.47	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.35	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	0.27	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
75-01-4	Vinyl Chloride	ND	1.0	0.41	ug/l	
	m,p-Xylene	ND	2.0	0.47	ug/l	
95-47-6	o-Xylene	ND	1.0	0.26	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	

Method Blank Summary

Job Number: FC14007
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1O2977-MB	1O82653.D	1	03/15/24	JW	n/a	n/a	V1O2977

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

FC14007-2, FC14007-3, FC14007-9, FC14007-10, FC14007-11, FC14007-12

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	99%	83-118%
17060-07-0	1,2-Dichloroethane-D4	100%	79-125%
2037-26-5	Toluene-D8	100%	85-112%
460-00-4	4-Bromofluorobenzene	100%	83-118%

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

Blank Spike Summary

Job Number: FC14007
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1O2976-BS	1O82623.D	1	03/14/24	JW	n/a	n/a	V1O2976

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

FC14007-1, FC14007-2, FC14007-3, FC14007-4, FC14007-5, FC14007-6, FC14007-7, FC14007-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	147	118	50-147
71-43-2	Benzene	25	25.8	103	81-122
108-86-1	Bromobenzene	25	26.5	106	80-121
74-97-5	Bromochloromethane	25	24.6	98	76-123
75-27-4	Bromodichloromethane	25	23.6	94	79-123
75-25-2	Bromoform	25	24.0	96	66-123
78-93-3	2-Butanone (MEK)	125	128	102	56-143
104-51-8	n-Butylbenzene	25	27.1	108	79-126
135-98-8	sec-Butylbenzene	25	24.7	99	83-133
98-06-6	tert-Butylbenzene	25	25.4	102	80-133
75-15-0	Carbon Disulfide	25	25.7	103	66-148
56-23-5	Carbon Tetrachloride	25	24.5	98	76-136
108-90-7	Chlorobenzene	25	24.9	100	82-124
75-00-3	Chloroethane	25	26.6	106	62-144
67-66-3	Chloroform	25	25.7	103	80-124
95-49-8	o-Chlorotoluene	25	25.2	101	81-127
106-43-4	p-Chlorotoluene	25	25.2	101	83-130
124-48-1	Dibromochloromethane	25	24.7	99	78-122
96-12-8	1,2-Dibromo-3-chloropropane	25	26.6	106	64-123
106-93-4	1,2-Dibromoethane	25	25.0	100	75-120
75-71-8	Dichlorodifluoromethane	25	36.3	145	42-167
95-50-1	1,2-Dichlorobenzene	25	25.1	100	82-124
541-73-1	1,3-Dichlorobenzene	25	24.7	99	84-125
106-46-7	1,4-Dichlorobenzene	25	25.3	101	78-120
75-34-3	1,1-Dichloroethane	25	25.1	100	81-122
107-06-2	1,2-Dichloroethane	25	25.7	103	75-125
75-35-4	1,1-Dichloroethylene	25	27.0	108	78-137
156-59-2	cis-1,2-Dichloroethylene	25	24.1	96	78-120
156-60-5	trans-1,2-Dichloroethylene	25	26.9	108	76-127
540-59-0	1,2-Dichloroethene (total)	50	51.0	102	77-122
78-87-5	1,2-Dichloropropane	25	26.8	107	76-124
142-28-9	1,3-Dichloropropane	25	26.7	107	80-118
594-20-7	2,2-Dichloropropane	25	26.5	106	74-139
563-58-6	1,1-Dichloropropene	25	27.2	109	79-131
10061-01-5	cis-1,3-Dichloropropene	25	25.3	101	75-118
10061-02-6	trans-1,3-Dichloropropene	25	24.0	96	80-120

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FC14007
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1O2976-BS	1O82623.D	1	03/14/24	JW	n/a	n/a	V1O2976

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

FC14007-1, FC14007-2, FC14007-3, FC14007-4, FC14007-5, FC14007-6, FC14007-7, FC14007-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
100-41-4	Ethylbenzene	25	25.5	102	81-121
87-68-3	Hexachlorobutadiene	25	28.7	115	75-142
591-78-6	2-Hexanone	125	135	108	61-129
98-82-8	Isopropylbenzene	25	24.7	99	83-132
99-87-6	p-Isopropyltoluene	25	26.4	106	79-130
74-83-9	Methyl Bromide	25	30.9	124	59-143
74-87-3	Methyl Chloride	25	31.0	124	50-159
74-95-3	Methylene Bromide	25	25.6	102	78-119
75-09-2	Methylene Chloride	25	30.5	122	69-135
108-10-1	4-Methyl-2-pentanone (MIBK)	125	134	107	66-122
1634-04-4	Methyl Tert Butyl Ether	25	25.6	102	72-117
91-20-3	Naphthalene	25	24.0	96	63-132
103-65-1	n-Propylbenzene	25	25.5	102	82-133
100-42-5	Styrene	25	25.0	100	78-119
630-20-6	1,1,1,2-Tetrachloroethane	25	24.6	98	77-122
79-34-5	1,1,2,2-Tetrachloroethane	25	25.8	103	72-120
127-18-4	Tetrachloroethylene	25	25.8	103	76-135
108-88-3	Toluene	25	25.6	102	80-120
87-61-6	1,2,3-Trichlorobenzene	25	26.0	104	68-131
120-82-1	1,2,4-Trichlorobenzene	25	25.3	101	73-129
71-55-6	1,1,1-Trichloroethane	25	25.7	103	75-130
79-00-5	1,1,2-Trichloroethane	25	24.5	98	76-119
79-01-6	Trichloroethylene	25	25.2	101	81-126
75-69-4	Trichlorofluoromethane	25	28.3	113	71-156
96-18-4	1,2,3-Trichloropropane	25	27.8	111	77-120
95-63-6	1,2,4-Trimethylbenzene	25	26.2	105	79-120
108-67-8	1,3,5-Trimethylbenzene	25	25.8	103	79-120
108-05-4	Vinyl Acetate	125	141	113	43-154
75-01-4	Vinyl Chloride	25	29.8	119	69-159
	m,p-Xylene	50	50.2	100	79-126
95-47-6	o-Xylene	25	24.0	96	80-127
1330-20-7	Xylene (total)	75	74.2	99	80-126

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FC14007
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1O2976-BS	1O82623.D	1	03/14/24	JW	n/a	n/a	V1O2976

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

FC14007-1, FC14007-2, FC14007-3, FC14007-4, FC14007-5, FC14007-6, FC14007-7, FC14007-8

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	83-118%
17060-07-0	1,2-Dichloroethane-D4	100%	79-125%
2037-26-5	Toluene-D8	101%	85-112%
460-00-4	4-Bromofluorobenzene	101%	83-118%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FC14007
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1O2977-BS	1O82651.D	1	03/15/24	JW	n/a	n/a	V1O2977

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

FC14007-2, FC14007-3, FC14007-9, FC14007-10, FC14007-11, FC14007-12

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	154	123	50-147
71-43-2	Benzene	25	25.9	104	81-122
108-86-1	Bromobenzene	25	26.3	105	80-121
74-97-5	Bromochloromethane	25	24.6	98	76-123
75-27-4	Bromodichloromethane	25	23.2	93	79-123
75-25-2	Bromoform	25	21.5	86	66-123
78-93-3	2-Butanone (MEK)	125	131	105	56-143
104-51-8	n-Butylbenzene	25	26.3	105	79-126
135-98-8	sec-Butylbenzene	25	24.2	97	83-133
98-06-6	tert-Butylbenzene	25	25.1	100	80-133
75-15-0	Carbon Disulfide	25	25.3	101	66-148
56-23-5	Carbon Tetrachloride	25	23.3	93	76-136
108-90-7	Chlorobenzene	25	24.5	98	82-124
75-00-3	Chloroethane	25	33.1	132	62-144
67-66-3	Chloroform	25	25.4	102	80-124
95-49-8	o-Chlorotoluene	25	24.7	99	81-127
106-43-4	p-Chlorotoluene	25	24.4	98	83-130
124-48-1	Dibromochloromethane	25	23.6	94	78-122
96-12-8	1,2-Dibromo-3-chloropropane	25	25.7	103	64-123
106-93-4	1,2-Dibromoethane	25	24.6	98	75-120
75-71-8	Dichlorodifluoromethane	25	36.2	145	42-167
95-50-1	1,2-Dichlorobenzene	25	24.1	96	82-124
541-73-1	1,3-Dichlorobenzene	25	24.0	96	84-125
106-46-7	1,4-Dichlorobenzene	25	24.5	98	78-120
75-34-3	1,1-Dichloroethane	25	25.2	101	81-122
107-06-2	1,2-Dichloroethane	25	26.3	105	75-125
75-35-4	1,1-Dichloroethylene	25	26.9	108	78-137
156-59-2	cis-1,2-Dichloroethylene	25	24.4	98	78-120
156-60-5	trans-1,2-Dichloroethylene	25	27.1	108	76-127
540-59-0	1,2-Dichloroethene (total)	50	51.5	103	77-122
78-87-5	1,2-Dichloropropane	25	26.9	108	76-124
142-28-9	1,3-Dichloropropane	25	26.6	106	80-118
594-20-7	2,2-Dichloropropane	25	26.4	106	74-139
563-58-6	1,1-Dichloropropene	25	27.0	108	79-131
10061-01-5	cis-1,3-Dichloropropene	25	24.7	99	75-118
10061-02-6	trans-1,3-Dichloropropene	25	23.3	93	80-120

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FC14007
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1O2977-BS	1O82651.D	1	03/15/24	JW	n/a	n/a	V1O2977

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

FC14007-2, FC14007-3, FC14007-9, FC14007-10, FC14007-11, FC14007-12

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
100-41-4	Ethylbenzene	25	24.4	98	81-121
87-68-3	Hexachlorobutadiene	25	27.5	110	75-142
591-78-6	2-Hexanone	125	138	110	61-129
98-82-8	Isopropylbenzene	25	24.3	97	83-132
99-87-6	p-Isopropyltoluene	25	25.4	102	79-130
74-83-9	Methyl Bromide	25	27.4	110	59-143
74-87-3	Methyl Chloride	25	31.3	125	50-159
74-95-3	Methylene Bromide	25	25.4	102	78-119
75-09-2	Methylene Chloride	25	32.3	129	69-135
108-10-1	4-Methyl-2-pentanone (MIBK)	125	136	109	66-122
1634-04-4	Methyl Tert Butyl Ether	25	25.3	101	72-117
91-20-3	Naphthalene	25	22.9	92	63-132
103-65-1	n-Propylbenzene	25	25.1	100	82-133
100-42-5	Styrene	25	24.5	98	78-119
630-20-6	1,1,1,2-Tetrachloroethane	25	22.9	92	77-122
79-34-5	1,1,2,2-Tetrachloroethane	25	25.2	101	72-120
127-18-4	Tetrachloroethylene	25	25.4	102	76-135
108-88-3	Toluene	25	24.7	99	80-120
87-61-6	1,2,3-Trichlorobenzene	25	24.7	99	68-131
120-82-1	1,2,4-Trichlorobenzene	25	24.7	99	73-129
71-55-6	1,1,1-Trichloroethane	25	25.4	102	75-130
79-00-5	1,1,2-Trichloroethane	25	23.7	95	76-119
79-01-6	Trichloroethylene	25	24.8	99	81-126
75-69-4	Trichlorofluoromethane	25	28.3	113	71-156
96-18-4	1,2,3-Trichloropropane	25	26.8	107	77-120
95-63-6	1,2,4-Trimethylbenzene	25	25.5	102	79-120
108-67-8	1,3,5-Trimethylbenzene	25	24.9	100	79-120
108-05-4	Vinyl Acetate	125	144	115	43-154
75-01-4	Vinyl Chloride	25	29.7	119	69-159
	m,p-Xylene	50	49.0	98	79-126
95-47-6	o-Xylene	25	23.6	94	80-127
1330-20-7	Xylene (total)	75	72.6	97	80-126

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FC14007
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1O2977-BS	1O82651.D	1	03/15/24	JW	n/a	n/a	V1O2977

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

FC14007-2, FC14007-3, FC14007-9, FC14007-10, FC14007-11, FC14007-12

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	83-118%
17060-07-0	1,2-Dichloroethane-D4	102%	79-125%
2037-26-5	Toluene-D8	99%	85-112%
460-00-4	4-Bromofluorobenzene	100%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FC14007
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FC14007-6MS	1O82646.D	1	03/14/24	JW	n/a	n/a	V1O2976
FC14007-6MSD	1O82647.D	1	03/14/24	JW	n/a	n/a	V1O2976
FC14007-6	1O82626.D	1	03/14/24	JW	n/a	n/a	V1O2976

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

FC14007-1, FC14007-2, FC14007-3, FC14007-4, FC14007-5, FC14007-6, FC14007-7, FC14007-8

CAS No.	Compound	FC14007-6 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	25 U		125	110	88	125	129	103	16	50-147/21
71-43-2	Benzene	1.0 U		25	22.7	91	25	25.8	103	13	81-122/14
108-86-1	Bromobenzene	1.0 U		25	22.2	89	25	25.5	102	14	80-121/14
74-97-5	Bromochloromethane	1.0 U		25	21.4	86	25	23.9	96	11	76-123/14
75-27-4	Bromodichloromethane	1.0 U		25	19.3	77*	25	22.1	88	14	79-123/19
75-25-2	Bromoform	1.0 U		25	16.8	67	25	19.5	78	15	66-123/21
78-93-3	2-Butanone (MEK)	5.0 U		125	101	81	125	116	93	14	56-143/18
104-51-8	n-Butylbenzene	1.0 U		25	22.1	88	25	25.1	100	13	79-126/16
135-98-8	sec-Butylbenzene	1.0 U		25	21.0	84	25	24.1	96	14	83-133/16
98-06-6	tert-Butylbenzene	1.0 U		25	22.4	90	25	25.1	100	11	80-133/16
75-15-0	Carbon Disulfide	2.0 U		25	22.7	91	25	25.3	101	11	66-148/23
56-23-5	Carbon Tetrachloride	1.0 U		25	21.1	84	25	23.6	94	11	76-136/23
108-90-7	Chlorobenzene	1.0 U		25	21.5	86	25	24.0	96	11	82-124/14
75-00-3	Chloroethane	2.0 U		25	57.9	232*	25	58.7	235*	1	62-144/20
67-66-3	Chloroform	1.0 U		25	21.9	88	25	25.0	100	13	80-124/15
95-49-8	o-Chlorotoluene	1.0 U		25	21.8	87	25	24.6	98	12	81-127/15
106-43-4	p-Chlorotoluene	1.0 U		25	22.0	88	25	24.3	97	10	83-130/15
124-48-1	Dibromochloromethane	1.0 U		25	18.9	76*	25	21.8	87	14	78-122/19
96-12-8	1,2-Dibromo-3-chloropropane	5.0 U		25	19.8	79	25	23.2	93	16	64-123/18
106-93-4	1,2-Dibromoethane	2.0 U		25	20.6	82	25	23.7	95	14*	75-120/13
75-71-8	Dichlorodifluoromethane	2.0 U		25	29.8	119	25	38.5	154	25*	42-167/19
95-50-1	1,2-Dichlorobenzene	1.0 U		25	21.0	84	25	23.8	95	13	82-124/14
541-73-1	1,3-Dichlorobenzene	1.0 U		25	21.1	84	25	23.8	95	12	84-125/14
106-46-7	1,4-Dichlorobenzene	1.0 U		25	21.4	86	25	24.0	96	11	78-120/15
75-34-3	1,1-Dichloroethane	1.0 U		25	22.4	90	25	25.4	102	13	81-122/15
107-06-2	1,2-Dichloroethane	1.0 U		25	22.6	90	25	25.7	103	13	75-125/14
75-35-4	1,1-Dichloroethylene	1.0 U		25	24.9	100	25	28.0	112	12	78-137/18
156-59-2	cis-1,2-Dichloroethylene	1.0 U		25	21.4	86	25	23.6	94	10	78-120/15
156-60-5	trans-1,2-Dichloroethylene	1.0 U		25	24.3	97	25	27.3	109	12	76-127/17
540-59-0	1,2-Dichloroethene (total)	2.0 U		50	45.7	91	50	50.9	102	11	77-122/15
78-87-5	1,2-Dichloropropane	1.0 U		25	23.3	93	25	26.5	106	13	76-124/14
142-28-9	1,3-Dichloropropane	1.0 U		25	22.8	91	25	26.0	104	13	80-118/13
594-20-7	2,2-Dichloropropane	1.0 U		25	21.7	87	25	24.0	96	10	74-139/17
563-58-6	1,1-Dichloropropene	1.0 U		25	24.5	98	25	27.4	110	11	79-131/16
10061-01-5	cis-1,3-Dichloropropene	1.0 U		25	20.1	80	25	22.7	91	12	75-118/23
10061-02-6	trans-1,3-Dichloropropene	1.0 U		25	19.1	76*	25	21.7	87	13	80-120/22

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FC14007
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FC14007-6MS	1O82646.D	1	03/14/24	JW	n/a	n/a	V1O2976
FC14007-6MSD	1O82647.D	1	03/14/24	JW	n/a	n/a	V1O2976
FC14007-6	1O82626.D	1	03/14/24	JW	n/a	n/a	V1O2976

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

FC14007-1, FC14007-2, FC14007-3, FC14007-4, FC14007-5, FC14007-6, FC14007-7, FC14007-8

CAS No.	Compound	FC14007-6 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
100-41-4	Ethylbenzene	1.0 U		25	22.0	88	25	24.7	99	12	81-121/14
87-68-3	Hexachlorobutadiene	2.0 U		25	21.4	86	25	25.4	102	17	75-142/19
591-78-6	2-Hexanone	10 U		125	111	89	125	128	102	14	61-129/18
98-82-8	Isopropylbenzene	1.0 U		25	21.6	86	25	24.1	96	11	83-132/15
99-87-6	p-Isopropyltoluene	1.0 U		25	22.2	89	25	24.8	99	11	79-130/16
74-83-9	Methyl Bromide	5.0 U		25	18.3	73	25	25.7	103	34*	59-143/19
74-87-3	Methyl Chloride	2.0 U		25	25.9	104	25	31.8	127	20*	50-159/19
74-95-3	Methylene Bromide	2.0 U		25	21.8	87	25	24.0	96	10	78-119/14
75-09-2	Methylene Chloride	5.0 U		25	24.9	100	25	28.1	112	12	69-135/16
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0 U		125	111	89	125	129	103	15	66-122/16
1634-04-4	Methyl Tert Butyl Ether	1.0 U		25	21.3	85	25	24.4	98	14	72-117/14
91-20-3	Naphthalene	5.0 U		25	18.6	74	25	21.6	86	15	63-132/25
103-65-1	n-Propylbenzene	1.0 U		25	22.4	90	25	24.8	99	10	82-133/15
100-42-5	Styrene	1.0 U		25	21.2	85	25	23.8	95	12	78-119/23
630-20-6	1,1,1,2-Tetrachloroethane	1.0 U		25	19.6	78	25	22.2	89	12	77-122/19
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U		25	21.7	87	25	24.8	99	13	72-120/14
127-18-4	Tetrachloroethylene	1.0 U		25	22.5	90	25	24.9	100	10	76-135/16
108-88-3	Toluene	1.0 U		25	22.1	88	25	24.8	99	12	80-120/14
87-61-6	1,2,3-Trichlorobenzene	2.0 U		25	20.0	80	25	22.8	91	13	68-131/25
120-82-1	1,2,4-Trichlorobenzene	2.0 U		25	20.1	80	25	23.1	92	14	73-129/20
71-55-6	1,1,1-Trichloroethane	1.0 U		25	22.9	92	25	25.4	102	10	75-130/16
79-00-5	1,1,2-Trichloroethane	1.0 U		25	21.0	84	25	23.6	94	12	76-119/14
79-01-6	Trichloroethylene	1.0 U		25	21.8	87	25	24.5	98	12	81-126/15
75-69-4	Trichlorofluoromethane	2.0 U		25	24.3	97	25	30.5	122	23*	71-156/21
96-18-4	1,2,3-Trichloropropane	2.0 U		25	23.3	93	25	25.7	103	10	77-120/16
95-63-6	1,2,4-Trimethylbenzene	1.0 U		25	22.2	89	25	25.3	101	13	79-120/18
108-67-8	1,3,5-Trimethylbenzene	1.0 U		25	22.2	89	25	24.9	100	11	79-120/19
108-05-4	Vinyl Acetate	10 U		125	128	102	125	138	110	8	43-154/14
75-01-4	Vinyl Chloride	1.0 U		25	25.2	101	25	31.0	124	21*	69-159/18
	m,p-Xylene	2.0 U		50	43.5	87	50	48.6	97	11	79-126/15
95-47-6	o-Xylene	1.0 U		25	20.7	83	25	23.3	93	12	80-127/14
1330-20-7	Xylene (total)	3.0 U		75	64.2	86	75	71.9	96	11	80-126/15

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FC14007
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FC14007-6MS	1O82646.D	1	03/14/24	JW	n/a	n/a	V1O2976
FC14007-6MSD	1O82647.D	1	03/14/24	JW	n/a	n/a	V1O2976
FC14007-6	1O82626.D	1	03/14/24	JW	n/a	n/a	V1O2976

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

FC14007-1, FC14007-2, FC14007-3, FC14007-4, FC14007-5, FC14007-6, FC14007-7, FC14007-8

CAS No.	Surrogate Recoveries	MS	MSD	FC14007-6	Limits
1868-53-7	Dibromofluoromethane	101%	100%	99%	83-118%
17060-07-0	1,2-Dichloroethane-D4	103%	103%	100%	79-125%
2037-26-5	Toluene-D8	100%	101%	100%	85-112%
460-00-4	4-Bromofluorobenzene	100%	101%	102%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FC14007
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FC14048-1MS	1O82674.D	1	03/15/24	JW	n/a	n/a	V1O2977
FC14048-1MSD	1O82675.D	1	03/15/24	JW	n/a	n/a	V1O2977
FC14048-1	1O82654.D	1	03/15/24	JW	n/a	n/a	V1O2977

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

FC14007-2, FC14007-3, FC14007-9, FC14007-10, FC14007-11, FC14007-12

CAS No.	Compound	FC14048-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	25	U	125	150	120	125	151	121	1	50-147/21
71-43-2	Benzene	1.0	U	25	28.4	114	25	28.0	112	1	81-122/14
108-86-1	Bromobenzene	1.0	U	25	27.8	111	25	27.1	108	3	80-121/14
74-97-5	Bromochloromethane	1.0	U	25	27.3	109	25	26.9	108	1	76-123/14
75-27-4	Bromodichloromethane	1.0	U	25	24.4	98	25	24.4	98	0	79-123/19
75-25-2	Bromoform	1.0	U	25	20.9	84	25	20.5	82	2	66-123/21
78-93-3	2-Butanone (MEK)	5.0	U	125	134	107	125	135	108	1	56-143/18
104-51-8	n-Butylbenzene	1.0	U	25	26.7	107	25	26.2	105	2	79-126/16
135-98-8	sec-Butylbenzene	1.0	U	25	25.6	102	25	25.4	102	1	83-133/16
98-06-6	tert-Butylbenzene	1.0	U	25	26.7	107	25	26.2	105	2	80-133/16
75-15-0	Carbon Disulfide	2.0	U	25	28.1	112	25	27.5	110	2	66-148/23
56-23-5	Carbon Tetrachloride	1.0	U	25	25.2	101	25	25.9	104	3	76-136/23
108-90-7	Chlorobenzene	1.0	U	25	26.6	106	25	25.8	103	3	82-124/14
75-00-3	Chloroethane	2.4		25	72.5	280*	25	62.3	240*	15	62-144/20
67-66-3	Chloroform	1.0	U	25	27.9	112	25	27.5	110	1	80-124/15
95-49-8	o-Chlorotoluene	1.0	U	25	26.6	106	25	25.9	104	3	81-127/15
106-43-4	p-Chlorotoluene	1.0	U	25	26.1	104	25	25.8	103	1	83-130/15
124-48-1	Dibromochloromethane	1.0	U	25	23.9	96	25	24.2	97	1	78-122/19
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	25	25.8	103	25	26.0	104	1	64-123/18
106-93-4	1,2-Dibromoethane	2.0	U	25	26.1	104	25	26.4	106	1	75-120/13
75-71-8	Dichlorodifluoromethane	3.7		25	41.9	153	25	46.0	169*	9	42-167/19
95-50-1	1,2-Dichlorobenzene	1.0	U	25	25.9	104	25	25.8	103	0	82-124/14
541-73-1	1,3-Dichlorobenzene	1.0	U	25	25.6	102	25	25.0	100	2	84-125/14
106-46-7	1,4-Dichlorobenzene	1.0	U	25	26.3	105	25	25.7	103	2	78-120/15
75-34-3	1,1-Dichloroethane	12.3		25	41.6	117	25	41.5	117	0	81-122/15
107-06-2	1,2-Dichloroethane	1.0	U	25	29.1	116	25	28.7	115	1	75-125/14
75-35-4	1,1-Dichloroethylene	1.0	U	25	31.2	125	25	30.8	123	1	78-137/18
156-59-2	cis-1,2-Dichloroethylene	1.0	U	25	26.3	105	25	26.3	105	0	78-120/15
156-60-5	trans-1,2-Dichloroethylene	1.0	U	25	30.2	121	25	30.0	120	1	76-127/17
540-59-0	1,2-Dichloroethene (total)	2.0	U	50	56.6	113	50	56.2	112	1	77-122/15
78-87-5	1,2-Dichloropropane	1.0	U	25	30.0	120	25	29.3	117	2	76-124/14
142-28-9	1,3-Dichloropropane	1.0	U	25	28.8	115	25	28.5	114	1	80-118/13
594-20-7	2,2-Dichloropropane	1.0	U	25	26.4	106	25	26.2	105	1	74-139/17
563-58-6	1,1-Dichloropropene	1.0	U	25	30.8	123	25	30.6	122	1	79-131/16
10061-01-5	cis-1,3-Dichloropropene	1.0	U	25	25.2	101	25	25.3	101	0	75-118/23
10061-02-6	trans-1,3-Dichloropropene	1.0	U	25	23.6	94	25	23.6	94	0	80-120/22

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FC14007
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FC14048-1MS	1O82674.D	1	03/15/24	JW	n/a	n/a	V1O2977
FC14048-1MSD	1O82675.D	1	03/15/24	JW	n/a	n/a	V1O2977
FC14048-1	1O82654.D	1	03/15/24	JW	n/a	n/a	V1O2977

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

FC14007-2, FC14007-3, FC14007-9, FC14007-10, FC14007-11, FC14007-12

CAS No.	Compound	FC14048-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
100-41-4	Ethylbenzene	1.0 U		25	27.1	108	25	26.5	106	2	81-121/14
87-68-3	Hexachlorobutadiene	2.0 U		25	26.3	105	25	26.2	105	0	75-142/19
591-78-6	2-Hexanone	10 U		125	154	123	125	156	125	1	61-129/18
98-82-8	Isopropylbenzene	1.0 U		25	26.4	106	25	25.9	104	2	83-132/15
99-87-6	p-Isopropyltoluene	1.0 U		25	26.5	106	25	26.1	104	2	79-130/16
74-83-9	Methyl Bromide	5.0 U		25	23.4	94	25	28.1	112	18	59-143/19
74-87-3	Methyl Chloride	2.0 U		25	32.8	131	25	35.8	143	9	50-159/19
74-95-3	Methylene Bromide	2.0 U		25	27.6	110	25	27.5	110	0	78-119/14
75-09-2	Methylene Chloride	5.0 U		25	32.0	128	25	31.3	125	2	69-135/16
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0 U		125	149	119	125	147	118	1	66-122/16
1634-04-4	Methyl Tert Butyl Ether	1.0 U		25	27.2	109	25	27.1	108	0	72-117/14
91-20-3	Naphthalene	5.0 U		25	23.6	94	25	23.0	92	3	63-132/25
103-65-1	n-Propylbenzene	1.0 U		25	26.8	107	25	26.4	106	2	82-133/15
100-42-5	Styrene	1.0 U		25	26.3	105	25	25.9	104	2	78-119/23
630-20-6	1,1,1,2-Tetrachloroethane	1.0 U		25	24.2	97	25	23.9	96	1	77-122/19
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U		25	27.6	110	25	27.3	109	1	72-120/14
127-18-4	Tetrachloroethylene	1.0 U		25	27.3	109	25	26.6	106	3	76-135/16
108-88-3	Toluene	1.0 U		25	27.4	110	25	27.0	108	1	80-120/14
87-61-6	1,2,3-Trichlorobenzene	2.0 U		25	24.6	98	25	24.7	99	0	68-131/25
120-82-1	1,2,4-Trichlorobenzene	2.0 U		25	24.3	97	25	23.9	96	2	73-129/20
71-55-6	1,1,1-Trichloroethane	1.0 U		25	29.1	116	25	29.3	117	1	75-130/16
79-00-5	1,1,2-Trichloroethane	1.0 U		25	26.4	106	25	25.4	102	4	76-119/14
79-01-6	Trichloroethylene	1.0 U		25	27.0	108	25	27.0	108	0	81-126/15
75-69-4	Trichlorofluoromethane	3.1		25	35.2	128	25	36.5	134	4	71-156/21
96-18-4	1,2,3-Trichloropropane	2.0 U		25	28.8	115	25	29.0	116	1	77-120/16
95-63-6	1,2,4-Trimethylbenzene	1.0 U		25	27.1	108	25	26.6	106	2	79-120/18
108-67-8	1,3,5-Trimethylbenzene	1.0 U		25	26.9	108	25	26.3	105	2	79-120/19
108-05-4	Vinyl Acetate	10 U		125	158	126	125	157	126	1	43-154/14
75-01-4	Vinyl Chloride	1.0 U		25	30.9	124	25	34.3	137	10	69-159/18
	m,p-Xylene	2.0 U		50	53.1	106	50	51.7	103	3	79-126/15
95-47-6	o-Xylene	1.0 U		25	25.3	101	25	24.9	100	2	80-127/14
1330-20-7	Xylene (total)	3.0 U		75	78.4	105	75	76.6	102	2	80-126/15

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FC14007
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FC14048-1MS	1O82674.D	1	03/15/24	JW	n/a	n/a	V1O2977
FC14048-1MSD	1O82675.D	1	03/15/24	JW	n/a	n/a	V1O2977
FC14048-1	1O82654.D	1	03/15/24	JW	n/a	n/a	V1O2977

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

FC14007-2, FC14007-3, FC14007-9, FC14007-10, FC14007-11, FC14007-12

CAS No.	Surrogate Recoveries	MS	MSD	FC14048-1	Limits
1868-53-7	Dibromofluoromethane	102%	102%	98%	83-118%
17060-07-0	1,2-Dichloroethane-D4	106%	108%	105%	79-125%
2037-26-5	Toluene-D8	100%	100%	99%	85-112%
460-00-4	4-Bromofluorobenzene	100%	100%	99%	83-118%

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: FC14007
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1O2972-BFB
Lab File ID: 1O82551.D
Instrument ID: GCMS1O
Injection Date: 03/07/24
Injection Time: 08:01

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
95	Base peak, 100% relative abundance	191296	100.0		Pass
96	5.0 - 9.0% of mass 95	12382	6.47		Pass
173	Less than 2.0% of mass 174	1023	0.53	(0.83) [a]	Pass
174	50.0 - 200.0% of mass 95	122571	64.1		Pass
175	5.0 - 9.0% of mass 174	8772	4.59	(7.16) [a]	Pass
176	95.0 - 105.0% of mass 174	116595	61.0	(95.1) [a]	Pass
177	5.0 - 10.0% of mass 176	7882	4.12	(6.76) [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
V1O2972-IC2972	1O82552.D	03/07/24	08:26	00:25	Initial cal 1
V1O2972-IC2972	1O82553.D	03/07/24	08:52	00:51	Initial cal 8
V1O2972-IC2972	1O82554.D	03/07/24	09:17	01:16	Initial cal 2
V1O2972-IC2972	1O82555.D	03/07/24	09:42	01:41	Initial cal 3
V1O2972-IC2972	1O82556.D	03/07/24	10:08	02:07	Initial cal 4
V1O2972-ICC2972	1O82557.D	03/07/24	10:33	02:32	Initial cal 5
V1O2972-IC2972	1O82558.D	03/07/24	10:58	02:57	Initial cal 6
V1O2972-IC2972	1O82559.D	03/07/24	11:24	03:23	Initial cal 7
V1O2972-ICV2972	1O82561.D	03/07/24	12:21	04:20	Initial cal verification 5
V1O2972-ICV2972	1O82562.D	03/07/24	13:14	05:13	Initial cal verification 4

Instrument Performance Check (BFB)

Job Number: FC14007
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1O2976-BFB
Lab File ID: 1O82621.D
Instrument ID: GCMS1O
Injection Date: 03/14/24
Injection Time: 07:27

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
95	Base peak, 100% relative abundance	173952	100.0		Pass
96	5.0 - 9.0% of mass 95	11523	6.62		Pass
173	Less than 2.0% of mass 174	1089	0.63	(0.94) [a]	Pass
174	50.0 - 200.0% of mass 95	116459	66.9		Pass
175	5.0 - 9.0% of mass 174	8501	4.89	(7.30) [a]	Pass
176	95.0 - 105.0% of mass 174	111387	64.0	(95.6) [a]	Pass
177	5.0 - 10.0% of mass 176	7284	4.19	(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
V1O2976-CC2972	1O82622.D	03/14/24	07:52	00:25	Continuing cal 4
V1O2976-BS	1O82623.D	03/14/24	08:18	00:51	Blank Spike
V1O2976-MB	1O82625.D	03/14/24	09:08	01:41	Method Blank
FC14007-6	1O82626.D	03/14/24	09:37	02:10	789MW-222_0324
ZZZZZZ	1O82627.D	03/14/24	10:02	02:35	(unrelated sample)
ZZZZZZ	1O82628.D	03/14/24	10:28	03:01	(unrelated sample)
ZZZZZZ	1O82629.D	03/14/24	10:53	03:26	(unrelated sample)
ZZZZZZ	1O82630.D	03/14/24	11:19	03:52	(unrelated sample)
ZZZZZZ	1O82631.D	03/14/24	11:44	04:17	(unrelated sample)
ZZZZZZ	1O82632.D	03/14/24	12:09	04:42	(unrelated sample)
ZZZZZZ	1O82633.D	03/14/24	12:35	05:08	(unrelated sample)
ZZZZZZ	1O82634.D	03/14/24	13:00	05:33	(unrelated sample)
ZZZZZZ	1O82635.D	03/14/24	13:25	05:58	(unrelated sample)
ZZZZZZ	1O82636.D	03/14/24	13:51	06:24	(unrelated sample)
ZZZZZZ	1O82637.D	03/14/24	14:16	06:49	(unrelated sample)
ZZZZZZ	1O82638.D	03/14/24	14:42	07:15	(unrelated sample)
FC14007-1	1O82639.D	03/14/24	15:07	07:40	789MW-83_0324
FC14007-2	1O82640.D	03/14/24	15:32	08:05	789MW-98_0324
FC14007-3	1O82641.D	03/14/24	15:58	08:31	789MW-99_0324
FC14007-4	1O82642.D	03/14/24	16:23	08:56	789MW-99_0324-A
FC14007-5	1O82643.D	03/14/24	16:48	09:21	789MW-216_0324
FC14007-7	1O82644.D	03/14/24	17:14	09:47	789MW-251_0324
FC14007-8	1O82645.D	03/14/24	17:39	10:12	789SW-02_0324
FC14007-6MS	1O82646.D	03/14/24	18:04	10:37	Matrix Spike
FC14007-6MSD	1O82647.D	03/14/24	18:30	11:03	Matrix Spike Duplicate
V1O2976-ECC2972	1O82648.D	03/14/24	18:55	11:28	Ending cal 4

Instrument Performance Check (BFB)

Job Number: FC14007
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1O2977-BFB
Lab File ID: 1O82649.D
Instrument ID: GCMS1O
Injection Date: 03/15/24
Injection Time: 07:26

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
95	Base peak, 100% relative abundance	174421	100.0		Pass
96	5.0 - 9.0% of mass 95	11464	6.57		Pass
173	Less than 2.0% of mass 174	875	0.50	(0.76) [a]	Pass
174	50.0 - 200.0% of mass 95	114555	65.7		Pass
175	5.0 - 9.0% of mass 174	8545	4.90	(7.46) [a]	Pass
176	95.0 - 105.0% of mass 174	110424	63.3	(96.4) [a]	Pass
177	5.0 - 10.0% of mass 176	7155	4.10	(6.48) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V1O2977-CC2972	1O82650.D	03/15/24	07:51	00:25	Continuing cal 4
V1O2977-BS	1O82651.D	03/15/24	08:30	01:04	Blank Spike
V1O2977-MB	1O82653.D	03/15/24	09:21	01:55	Method Blank
FC14048-1	1O82654.D	03/15/24	09:50	02:24	(used for QC only; not part of job FC14007)
FC14007-11	1O82655.D	03/15/24	10:16	02:50	789-TB01_0324-C
ZZZZZZ	1O82656.D	03/15/24	10:41	03:15	(unrelated sample)
ZZZZZZ	1O82657.D	03/15/24	11:07	03:41	(unrelated sample)
ZZZZZZ	1O82658.D	03/15/24	11:32	04:06	(unrelated sample)
ZZZZZZ	1O82659.D	03/15/24	11:57	04:31	(unrelated sample)
ZZZZZZ	1O82660.D	03/15/24	12:23	04:57	(unrelated sample)
FC14007-3	1O82661.D	03/15/24	12:48	05:22	789MW-99_0324
FC14007-9	1O82662.D	03/15/24	13:13	05:47	789SW-03_0324
FC14007-10	1O82663.D	03/15/24	13:39	06:13	789SW-04_0324
FC14007-12	1O82664.D	03/15/24	14:04	06:38	789-AB01_0324-D
ZZZZZZ	1O82665.D	03/15/24	14:30	07:04	(unrelated sample)
ZZZZZZ	1O82666.D	03/15/24	14:55	07:29	(unrelated sample)
ZZZZZZ	1O82667.D	03/15/24	15:20	07:54	(unrelated sample)
ZZZZZZ	1O82668.D	03/15/24	15:46	08:20	(unrelated sample)
ZZZZZZ	1O82669.D	03/15/24	16:11	08:45	(unrelated sample)
ZZZZZZ	1O82670.D	03/15/24	16:37	09:11	(unrelated sample)
ZZZZZZ	1O82671.D	03/15/24	17:02	09:36	(unrelated sample)
ZZZZZZ	1O82672.D	03/15/24	17:27	10:01	(unrelated sample)
FC14007-2	1O82673.D	03/15/24	17:53	10:27	789MW-98_0324
FC14048-1MS	1O82674.D	03/15/24	18:18	10:52	Matrix Spike
FC14048-1MSD	1O82675.D	03/15/24	18:43	11:17	Matrix Spike Duplicate
V1O2977-ECC2972	1O82676.D	03/15/24	19:09	11:43	Ending cal 4

Instrument Performance Check (BFB)

Job Number: FC14007
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3959-BFB
Lab File ID: 2P104188.D
Instrument ID: GCMS2P
Injection Date: 02/07/24
Injection Time: 08:30

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	56896	19.0		Pass
75	30.0 - 60.0% of mass 95	141349	47.2		Pass
95	Base peak, 100% relative abundance	299712	100.0		Pass
96	5.0 - 9.0% of mass 95	20005	6.67		Pass
173	Less than 2.0% of mass 174	933	0.31	(0.32) [a]	Pass
174	50.0 - 100.0% of mass 95	292970	97.8		Pass
175	5.0 - 9.0% of mass 174	21362	7.13	(7.29) [a]	Pass
176	95.0 - 101.0% of mass 174	284693	95.0	(97.2) [a]	Pass
177	5.0 - 9.0% of mass 176	18928	6.32	(6.65) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2P3959-IC3959	2P104189.D	02/07/24	08:55	00:25	Initial cal 1
V2P3959-IC3959	2P104190.D	02/07/24	09:21	00:51	Initial cal 8
V2P3959-IC3959	2P104191.D	02/07/24	09:46	01:16	Initial cal 2
V2P3959-IC3959	2P104192.D	02/07/24	10:12	01:42	Initial cal 3
V2P3959-IC3959	2P104193.D	02/07/24	10:38	02:08	Initial cal 4
V2P3959-ICC3959	2P104194.D	02/07/24	11:03	02:33	Initial cal 5
V2P3959-IC3959	2P104195.D	02/07/24	11:29	02:59	Initial cal 6
V2P3959-IC3959	2P104196.D	02/07/24	11:55	03:25	Initial cal 7
V2P3959-ICV3959	2P104198.D	02/07/24	14:40	06:10	Initial cal verification 5

Instrument Performance Check (BFB)

Job Number: FC14007
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3991-BFB
Lab File ID: 2P104764.D
Instrument ID: GCMS2P
Injection Date: 03/14/24
Injection Time: 08:27

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	61768	20.9		Pass
75	30.0 - 60.0% of mass 95	146464	49.5		Pass
95	Base peak, 100% relative abundance	295893	100.0		Pass
96	5.0 - 9.0% of mass 95	19667	6.65		Pass
173	Less than 2.0% of mass 174	453	0.15	(0.19) [a]	Pass
174	50.0 - 100.0% of mass 95	236202	79.8		Pass
175	5.0 - 9.0% of mass 174	16862	5.70	(7.14) [a]	Pass
176	95.0 - 101.0% of mass 174	224810	76.0	(95.2) [a]	Pass
177	5.0 - 9.0% of mass 176	14811	5.01	(6.59) [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
V2P3991-CC3959	2P104765.D	03/14/24	08:57	00:30	Continuing cal 5
V2P3991-BS	2P104766.D	03/14/24	09:27	01:00	Blank Spike
V2P3991-MB	2P104768.D	03/14/24	10:18	01:51	Method Blank
FC14007-9	2P104770.D	03/14/24	11:10	02:43	789SW-03_0324
FC14007-10	2P104771.D	03/14/24	11:35	03:08	789SW-04_0324
FC14007-11	2P104772.D	03/14/24	12:01	03:34	789-TB01_0324-C
FC14007-12	2P104773.D	03/14/24	12:26	03:59	789-AB01_0324-D
ZZZZZZ	2P104774.D	03/14/24	12:52	04:25	(unrelated sample)
ZZZZZZ	2P104775.D	03/14/24	13:17	04:50	(unrelated sample)
ZZZZZZ	2P104776.D	03/14/24	13:43	05:16	(unrelated sample)
ZZZZZZ	2P104777.D	03/14/24	14:08	05:41	(unrelated sample)
ZZZZZZ	2P104778.D	03/14/24	14:34	06:07	(unrelated sample)
ZZZZZZ	2P104779.D	03/14/24	14:59	06:32	(unrelated sample)
ZZZZZZ	2P104780.D	03/14/24	15:25	06:58	(unrelated sample)
ZZZZZZ	2P104781.D	03/14/24	15:51	07:24	(unrelated sample)
ZZZZZZ	2P104782.D	03/14/24	16:16	07:49	(unrelated sample)
ZZZZZZ	2P104783.D	03/14/24	16:42	08:15	(unrelated sample)
ZZZZZZ	2P104784.D	03/14/24	17:07	08:40	(unrelated sample)
ZZZZZZ	2P104785.D	03/14/24	17:33	09:06	(unrelated sample)
ZZZZZZ	2P104786.D	03/14/24	17:58	09:31	(unrelated sample)
ZZZZZZ	2P104787.D	03/14/24	18:24	09:57	(unrelated sample)
FC14007-9MS	2P104788.D	03/14/24	18:49	10:22	Matrix Spike

Internal Standard Area Summary

Job Number: FC14007
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Check Std:	V1O2976-CC2972	**Injection Date:**	03/14/24
Lab File ID:	1O82622.D	**Injection Time:**	07:52
Instrument ID:	GCMS1O	**Method:**	SW846 8260D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Initial Cal [a]	717920	3.98	481249	5.98	255686	7.73
Check Std [b]	731045	3.98	495052	5.98	260998	7.73
Upper Limit [c]	1462090	4.15	990104	6.15	521996	7.90
Lower Limit [d]	365523	3.81	247526	5.81	130499	7.56

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V1O2976-BS	706947	3.98	476027	5.98	247113	7.73
V1O2976-MB [e]	728966	3.98	488516	5.98	247977	7.73
FC14007-6	719192	3.98	476165	5.98	248030	7.73
ZZZZZZ	703399	3.98	467157	5.98	246154	7.73
ZZZZZZ	698013	3.98	466596	5.98	247997	7.73
ZZZZZZ	703237	3.98	471409	5.98	250402	7.73
ZZZZZZ	701011	3.98	472223	5.98	248159	7.73
ZZZZZZ	669385	3.98	448566	5.98	239307	7.73
ZZZZZZ	692720	3.98	464852	5.98	245306	7.73
ZZZZZZ	660770	3.98	445990	5.98	236142	7.73
ZZZZZZ	682858	3.98	456911	5.98	236561	7.73
ZZZZZZ	660036	3.98	441005	5.98	233682	7.73
ZZZZZZ	676073	3.98	448672	5.98	235372	7.73
ZZZZZZ	665301	3.98	446318	5.98	236397	7.73
ZZZZZZ	669716	3.98	444943	5.98	234649	7.73
FC14007-1	679669	3.98	456729	5.98	238027	7.73
FC14007-2	669063	3.98	455908	5.98	232434	7.73
FC14007-3	670335	3.98	452364	5.98	233161	7.73
FC14007-4	665019	3.98	446196	5.98	232522	7.73
FC14007-5 [e]	674692	3.98	447578	5.98	230722	7.73
FC14007-7	657812	3.98	437653	5.98	227848	7.73
FC14007-8	669902	3.98	444786	5.98	233579	7.73
FC14007-6MS	673971	3.98	455478	5.98	236558	7.73
FC14007-6MSD	655016	3.98	441966	5.98	228970	7.73
V1O2976-ECC2972	666947	3.98	449417	5.98	240012	7.73

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5
IS 3 = 1,4-Dichlorobenzene-d4

(a) Initial Cal is: V1O2972-ICC2972 1O82557.D 03/07/24 10:33
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.

Internal Standard Area Summary

Job Number: FC14007
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Check Std:	V1O2976-CC2972	**Injection Date:**	03/14/24
Lab File ID:	1O82622.D	**Injection Time:**	07:52
Instrument ID:	GCMS1O	**Method:**	SW846 8260D

Lab Sample ID	IS 1 AREA	IS 1 RT	IS 2 AREA	IS 2 RT	IS 3 AREA	IS 3 RT

(d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.
(e) Sample was treated with an anti-foaming agent.

Internal Standard Area Summary

Job Number: FC14007
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Check Std:	V1O2977-CC2972	**Injection Date:**	03/15/24
Lab File ID:	1O82650.D	**Injection Time:**	07:51
Instrument ID:	GCMS1O	**Method:**	SW846 8260D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Initial Cal [a]	717920	3.98	481249	5.98	255686	7.73
Check Std [b]	683657	3.98	467738	5.98	242844	7.73
Upper Limit [c]	1367314	4.15	935476	6.15	485688	7.90
Lower Limit [d]	341829	3.81	233869	5.81	121422	7.56

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V1O2977-BS	692910	3.98	474107	5.98	248325	7.73
V1O2977-MB	708942	3.98	471020	5.98	245744	7.73
FC14048-1	707121	3.98	475994	5.98	250301	7.73
FC14007-11	675034	3.98	448285	5.98	232770	7.73
ZZZZZZ	680345	3.98	452170	5.98	240839	7.73
ZZZZZZ	685221	3.98	459580	5.98	242153	7.73
ZZZZZZ	677842	3.98	449447	5.98	234798	7.73
ZZZZZZ	659241	3.98	440892	5.98	232245	7.73
ZZZZZZ	658070	3.98	447052	5.98	234958	7.73
FC14007-3	660397	3.98	438328	5.98	230194	7.73
FC14007-9	680368	3.98	455910	5.98	244848	7.73
FC14007-10	657136	3.98	438264	5.98	230980	7.73
FC14007-12	666981	3.98	447768	5.98	236928	7.73
ZZZZZZ	651484	3.98	437716	5.98	230387	7.73
ZZZZZZ	665478	3.98	449789	5.98	236341	7.73
ZZZZZZ	660768	3.98	439090	5.98	231746	7.73
ZZZZZZ	657588	3.98	441646	5.98	231091	7.73
ZZZZZZ	643899	3.98	432136	5.98	228182	7.73
ZZZZZZ	661521	3.98	445063	5.98	232326	7.73
ZZZZZZ	650324	3.98	434460	5.98	228569	7.73
ZZZZZZ	639439	3.98	428638	5.98	224926	7.73
FC14007-2	660764	3.98	447558	5.98	232038	7.73
FC14048-1MS	637267	3.98	432969	5.98	226067	7.73
FC14048-1MSD	638556	3.98	437784	5.98	228698	7.73
V1O2977-ECC2977	672269	3.98	455765	5.98	240435	7.73

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5
IS 3 = 1,4-Dichlorobenzene-d4

(a) Initial Cal is: V1O2972-ICC2972 1O82557.D 03/07/24 10:33
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.

Internal Standard Area Summary

Job Number: FC14007
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Check Std:	V1O2977-CC2972	**Injection Date:**	03/15/24
Lab File ID:	1O82650.D	**Injection Time:**	07:51
Instrument ID:	GCMS1O	**Method:**	SW846 8260D

Lab Sample ID	IS 1 AREA	IS 1 RT	IS 2 AREA	IS 2 RT	IS 3 AREA	IS 3 RT

(d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.

Internal Standard Area Summary

Job Number: FC14007
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Check Std:	V2P3991-CC3959	**Injection Date:**	03/14/24
Lab File ID:	2P104765.D	**Injection Time:**	08:57
Instrument ID:	GCMS2P	**Method:**	SW846 8260D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Initial Cal [a]	1598868	3.69	1129607	5.62	567387	7.31
Check Std [b]	1546075	3.70	1069629	5.62	516404	7.31
Upper Limit [c]	3092150	3.87	2139258	5.79	1032808	7.48
Lower Limit [d]	773038	3.53	534815	5.45	258202	7.14

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V2P3991-BS [e]	1558579	3.70	1064001	5.62	531907	7.31
V2P3991-MB [f]	1394981	3.70	945508	5.62	449230	7.31
FC14007-9 [g]	1427141	3.70	929150	5.62	434302	7.31
FC14007-10 [g]	1419221	3.70	936815	5.62	420876	7.30
FC14007-11 [g]	1351299	3.69	901186	5.62	407263	7.31
FC14007-12 [g]	1336731	3.70	893152	5.62	406951	7.31
ZZZZZZ	1325415	3.70	888773	5.62	408368	7.31
ZZZZZZ	1389962	3.70	934131	5.62	448256	7.30
ZZZZZZ	1349285	3.69	880425	5.62	399114	7.31
ZZZZZZ	1297669	3.70	861559	5.62	394257	7.31
ZZZZZZ	1341794	3.70	889039	5.62	400608	7.31
ZZZZZZ	1294859	3.70	870764	5.62	403706	7.30
ZZZZZZ	1254407	3.69	852469	5.62	399940	7.31
ZZZZZZ	1249320	3.70	828428	5.62	384059	7.30
ZZZZZZ	1209385	3.70	802360	5.61	377218	7.30
ZZZZZZ	1231706	3.69	832787	5.62	387477	7.31
ZZZZZZ	1185312	3.70	801307	5.62	358698	7.31
ZZZZZZ	1149301	3.70	796247	5.62	367607	7.31
ZZZZZZ	1151405	3.70	762535	5.62	355293	7.31
ZZZZZZ	1175504	3.70	772853	5.62	353945	7.30
FC14007-9MS	1282384	3.70	875535	5.62	417423	7.31

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5
IS 3 = 1,4-Dichlorobenzene-d4

(a) Initial Cal is: V2P3959-ICC3959 2P104194.D 02/07/24 11:03
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.
(e) No MSD available for this run.
(f) Sample was treated with an anti-foaming agent.
(g) No ECC available for this run. Confirmation run.

Surrogate Recovery Summary

Job Number: FC14007
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, 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
FC14007-1	1O82639.D	99	103	100	100
FC14007-2	1O82673.D	98	105	100	100
FC14007-2	1O82640.D	98	104	100	102
FC14007-3	1O82661.D	97	103	101	101
FC14007-3	1O82641.D	97	103	100	101
FC14007-4	1O82642.D	98	102	101	101
FC14007-5	1O82643.D	98	100	100	101
FC14007-6	1O82626.D	99	100	100	102
FC14007-7	1O82644.D	98	102	101	101
FC14007-8	1O82645.D	98	103	100	100
FC14007-9	1O82662.D	97	105	99	98
FC14007-9	2P104770.D	93	103	109	93
FC14007-10	1O82663.D	98	105	100	101
FC14007-10	2P104771.D	94	101	106	94
FC14007-11	1O82655.D	98	102	100	100
FC14007-11	2P104772.D	94	103	104	94
FC14007-12	1O82664.D	99	105	100	99
FC14007-12	2P104773.D	95	108	105	93
FC14007-6MS	1O82646.D	101	103	100	100
FC14007-6MSD	1O82647.D	100	103	101	101
FC14048-1MS	1O82674.D	102	106	100	100
FC14048-1MSD	1O82675.D	102	108	100	100
V1O2976-BS	1O82623.D	101	100	101	101
V1O2976-MB	1O82625.D	99	100	100	102
V1O2977-BS	1O82651.D	101	102	99	100
V1O2977-MB	1O82653.D	99	100	100	100

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	83-118%
S2 = 1,2-Dichloroethane-D4	79-125%
S3 = Toluene-D8	85-112%
S4 = 4-Bromofluorobenzene	83-118%

Initial Calibration Summary

Job Number: FC14007
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1O2972-ICC2972
Lab FileID: 1O82557.D

Response Factor Report MSVOA12

Method : C:\msdchem\2\met...V1O_03-07-2024.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration

Calibration Files
1 =1O82552.D 2 =1O82554.D 3 =1O82555.D 4 =1O82556.D
5 =1O82557.D 6 =1O82558.D 7 =1O82559.D 8 =1O82553.D

Compound	1	2	3	4	5	6	7	8	Avg	%RSD
1) I Fluorobenzene	ISTD									
2) Dichlorodifl	0.181	0.178	0.168	0.162	0.178	0.171	0.170	0.178	0.173	3.70
3) Chloromethan	0.241	0.224	0.225	0.212	0.220	0.216	0.216	0.232	0.223	4.26
4) 1,3-butadien		0.236	0.216	0.197	0.212	0.198	0.199	0.274	0.219	12.89
---- Linear regr., Force(0,0) ---- Coefficient = 0.9992										
Response Ratio = 0.00000 + 0.20238 *A										
5) Vinyl Chlori	0.244	0.242	0.240	0.232	0.243	0.239	0.237	0.236	0.239	1.65
6) Bromomethane		0.049	0.045	0.048	0.056	0.063	0.063		0.054	14.90
---- Linear regr., Force(0,0) ---- Coefficient = 0.9931										
Response Ratio = 0.00000 + 0.05924 *A										
7) Chloroethane	0.123	0.069	0.057	0.050	0.051	0.043	0.038	0.097	0.066	44.73
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9958										
Response Ratio = 0.00000 + 0.06180 *A + -0.01243 *A^2										
8) Trichloroflu	0.249	0.265	0.257	0.243	0.266	0.237	0.193	0.261	0.246	9.74
9) Ethyl Ether	0.198	0.221	0.211	0.197	0.210	0.208	0.204	0.201	0.206	3.87
10) Ethanol		0.006	0.005	0.005	0.005	0.005	0.005		0.005	7.78
11) 1,2-Dichloro		0.256	0.239	0.227	0.249	0.245	0.245	0.266	0.247	5.00
12) 1,1-Dichloro	0.321	0.348	0.324	0.307	0.334	0.327	0.329	0.309	0.325	4.03
13) Freon 113	0.174	0.187	0.182	0.171	0.193	0.185	0.189	0.148	0.179	8.07
14) Carbon Disul	0.732	0.683	0.636	0.600	0.644	0.631	0.627	0.642	0.649	6.23
15) Iodomethane		0.025	0.029	0.052	0.087	0.098		0.015	0.051	67.46
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9909										
Response Ratio = 0.00000 + 0.04429 *A + 0.03966 *A^2										
16) Acrolein	0.086	0.082	0.078	0.073	0.076	0.074	0.076	0.078	0.078	5.45
17) Allyl chlori	0.320	0.303	0.294	0.291	0.305	0.297	0.283	0.316	0.301	4.15
18) Methylene Ch		0.436	0.362	0.302	0.300	0.287	0.272		0.326	18.88
---- Linear regr., Force(0,0) ---- Coefficient = 0.9989										
Response Ratio = 0.00000 + 0.28077 *A										
19) Acetone	0.127	0.117	0.115	0.107	0.108	0.108	0.108	0.107	0.112	6.45
20) Methyl aceta	0.274	0.297	0.282	0.280	0.286	0.279	0.288	0.276	0.283	2.59
21) trans-1,2-Di	0.325	0.356	0.328	0.315	0.333	0.328	0.321	0.320	0.328	3.79
22) Hexane		0.191	0.183	0.172	0.164	0.190	0.180	0.183	0.172	0.179	5.14
23) Methyl Tert	0.634	0.692	0.648	0.621	0.643	0.635	0.637	0.622	0.642	3.50
24) Tert Butyl A	0.059	0.069	0.068	0.067	0.068	0.069	0.073	0.064	0.067	6.47
25) Acetonitrile	0.087	0.055	0.046	0.044	0.044	0.042	0.039	0.069	0.053	30.99
---- Linear regr., Force(0,0) ---- Coefficient = 0.9976										
Response Ratio = 0.00000 + 0.04240 *A										
26) Di-isopropyl	0.680	0.766	0.700	0.694	0.713	0.701	0.687	0.680	0.703	3.97
27) Chloroprene	0.342	0.356	0.331	0.327	0.362	0.328	0.329	0.334	0.339	3.96
28) 1,1-Dichloro	0.438	0.450	0.423	0.403	0.421	0.411	0.407	0.414	0.421	3.79

Initial Calibration Summary

Job Number: FC14007
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY
Sample: V1O2972-ICC2972
Lab FileID: 1O82557.D

29)	Acrylonitril	0.122	0.133	0.129	0.124	0.126	0.123	0.124	0.127	0.126	2.93
30)	ETBE	0.712	0.796	0.749	0.724	0.745	0.727	0.716	0.698	0.733	4.12
31)	Vinyl acetat	0.466	0.530	0.537	0.495	0.508	0.490	0.475	0.499	0.500	4.90
32)	cis-1,2-Dich	0.236	0.247	0.222	0.215	0.225	0.219	0.217	0.242	0.228	5.40
33)	2,2-Dichloro	0.323	0.318	0.303	0.278	0.297	0.290	0.287	0.307	0.300	5.17
34)	Bromochlorom	0.107	0.112	0.106	0.100	0.103	0.100	0.097	0.103	0.103	4.77
35)	Cyclohexane	0.421	0.423	0.397	0.369	0.417	0.398	0.404	0.355	0.398	6.23
36)	Chloroform	0.418	0.415	0.393	0.373	0.386	0.378	0.374	0.400	0.392	4.51
37)	Ethyl acetat	0.339	0.357	0.366	0.345	0.353	0.345	0.355	0.339	0.350	2.72
38)	Tetrahydrofu	0.125	0.156	0.140	0.138	0.142	0.134	0.136	0.147	0.140	6.71
39)	Dibromofluor	0.254	0.254	0.252	0.252	0.256	0.256	0.255	0.258	0.255	0.76
40)	Carbon Tetra	0.229	0.253	0.240	0.232	0.251	0.248	0.255	0.250	0.245	4.03
41)	1,1,1-Trichl	0.322	0.329	0.309	0.289	0.315	0.309	0.307	0.306	0.311	3.85
42)	2-Butanone	0.192	0.217	0.213	0.199	0.204	0.195	0.202	0.187	0.201	5.00
43)	1,1-Dichloro	0.282	0.290	0.282	0.262	0.288	0.278	0.277	0.267	0.278	3.47
44)	tert-Butyl f	0.196	0.201	0.198	0.193	0.205	0.199	0.200	0.189	0.198	2.52
45)	Propionitril	0.067	0.069	0.068	0.067	0.066	0.064	0.065	0.069	0.067	2.67
46)	Methacryloni	0.188	0.209	0.199	0.199	0.192	0.187	0.184	0.201	0.195	4.32
47)	Benzene	0.850	0.904	0.843	0.798	0.833	0.814	0.805	0.809	0.832	4.15
48)	TAME	0.578	0.678	0.625	0.613	0.622	0.621	0.617	0.605	0.620	4.51
49)	Isobutyl alc	0.023	0.024	0.024	0.024	0.023	0.023	0.025	0.023	0.024	2.54
50)	1,2-Dichloro	0.317	0.319	0.319	0.315	0.325	0.335	0.334	0.322	0.323	2.31
51)	1,2-Dichloro	0.323	0.344	0.321	0.301	0.309	0.304	0.298	0.308	0.314	4.82
52)	Tert Amyl Al	0.051	0.058	0.058	0.055	0.057	0.056	0.059	0.056	0.056	4.43
53)	Trichloroeth	0.246	0.240	0.221	0.214	0.222	0.216	0.216	0.235	0.226	5.45
54)	Methylcycloh	0.333	0.332	0.310	0.298	0.340	0.330	0.335	0.278	0.320	6.85
55)	Dibromometha	0.134	0.152	0.140	0.137	0.143	0.142	0.141	0.145	0.142	3.66
56)	1,2-Dichloro	0.232	0.261	0.242	0.232	0.238	0.235	0.232	0.230	0.238	4.25
57)	Bromodichlor	0.292	0.305	0.281	0.274	0.284	0.282	0.283	0.274	0.284	3.59
58)	Methyl metha	0.244	0.235	0.244	0.238	0.239	0.240	0.240	0.259	0.242	3.01
59)	1,4-Dioxane	0.003	0.005	0.005	0.004	0.004	0.004	0.005	0.004	0.004	13.52
60)	2-Chloroethy	0.199	0.206	0.208	0.194	0.204	0.198	0.198	0.193	0.200	2.76
61)	cis-1,3-Dich	0.350	0.362	0.344	0.336	0.351	0.349	0.347	0.336	0.347	2.49
62)	I Chlorobenzene-d5	----------	ISTD	----------							
63)	Toluene-d8	1.456	1.445	1.489	1.476	1.467	1.488	1.461	1.447	1.466	1.15
64)	Toluene	1.344	1.386	1.270	1.222	1.277	1.254	1.222	1.259	1.279	4.52
65)	2-Nitropropa	0.121	0.130	0.127	0.130	0.136	0.136	0.134	0.116	0.129	5.64
66)	4-Methyl-2-p	0.477	0.538	0.547	0.518	0.512	0.502	0.496	0.485	0.509	4.83
67)	trans-1,3-Di	0.462	0.508	0.490	0.472	0.491	0.484	0.467	0.454	0.478	3.74
68)	Tetrachloroe	0.286	0.289	0.281	0.263	0.284	0.277	0.270	0.262	0.277	3.77
69)	Ethyl methac	0.497	0.475	0.462	0.462	0.461	0.461	0.456	0.472	0.468	2.84
70)	1,1,2-Trichl	0.289	0.304	0.274	0.262	0.271	0.265	0.256	0.282	0.276	5.67
71)	Dibromochlor	0.290	0.283	0.275	0.285	0.301	0.303	0.296	0.276	0.289	3.69
72)	1,3-Dichloro	0.496	0.572	0.524	0.503	0.524	0.508	0.487	0.504	0.515	5.11
73)	1,2-Dibromoe	0.294	0.351	0.326	0.313	0.322	0.321	0.309	0.301	0.317	5.50
74)	3,3-dimethyl	0.103	0.097	0.101	0.096	0.096	0.094	0.097	0.092	0.097	3.72
75)	2-hexanone	0.533	0.567	0.583	0.538	0.536	0.513	0.509	0.524	0.538	4.73
76)	1-Chlorohexa	0.522	0.451	0.400	0.377	0.411	0.394	0.384	0.450	0.424	11.42
77)	Ethylbenzene	1.457	1.477	1.396	1.328	1.399	1.360	1.325	1.378	1.390	3.98
78)	Chlorobenzen	0.806	0.863	0.829	0.789	0.808	0.792	0.776	0.813	0.809	3.32
79)	1,1,1,2-Tetr	0.276	0.286	0.274	0.261	0.281	0.276	0.265	0.261	0.272	3.40
80)	m,p-Xylene	1.130	1.209	1.127	1.049	1.110	1.074	1.049	1.096	1.106	4.75
81)	o-Xylene	1.218	1.244	1.169	1.105	1.148	1.123	1.071	1.152	1.154	4.94
82)	Styrene	0.852	0.949	0.877	0.867	0.897	0.881	0.864	0.802	0.874	4.73
83)	Bromoform	0.145	0.179	0.172	0.172	0.186	0.192	0.192	0.150	0.173	10.32
84)	Isopropylben	1.314	1.396	1.284	1.238	1.320	1.300	1.231	1.244	1.291	4.25
85)	I 1,4-Dichlorobenzene-d	----------	ISTD	----------							
86)	4-Bromofluor	0.717	0.708	0.707	0.714	0.720	0.715	0.701	0.701	0.711	1.05

Initial Calibration Summary

Job Number: FC14007 **Sample:** V1O2972-ICC2972
Account: BHATALB Bhate Environmental **Lab FileID:** 1O82557.D
Project: Griffiss AFB; Rome, NY

```
 87) cis-1,4-Dich 0.325 0.315 0.304 0.311 0.324 0.329 0.324 0.314 0.318   2.63
 88) n-Propylbenz 3.160 3.254 2.881 2.856 3.027 2.850 2.934 2.872 2.979   5.16
 89) Bromobenzene 0.557 0.592 0.551 0.549 0.566 0.546 0.548 0.546 0.557   2.84
 90) 1,1,2,2-Tetr 0.887 0.988 0.950 0.938 0.964 0.940 0.957 0.891 0.939   3.72
 91) 1,3,5-Trimet 2.070 2.279 2.050 2.027 2.124 2.062 2.031 2.047 2.086   4.00
 92) 2-Chlorotolu 2.140 2.270 2.014 1.937 2.029 1.925 1.974 2.011 2.037   5.65
 93) trans-1,4-Di 0.326 0.254 0.254 0.239 0.257 0.254 0.257 0.231 0.259  11.04
 94) 1,2,3-Trichl 0.231 0.277 0.283 0.267 0.277 0.264 0.265 0.253 0.265   6.25
 95) Cyclohexanon 0.073 0.061 0.060 0.057 0.056 0.054 0.057 0.053 0.059  10.58
 96) 4-Chlorotolu 1.970 2.107 1.894 1.853 1.947 1.858 1.871 1.934 1.929   4.34
 97) tert-Butylbe 1.217 1.286 1.144 1.115 1.186 1.112 1.115 1.130 1.163   5.35
 98) a-Methyl sty                                                 0.000  -1.00
 99) 1,2,4-Trimet 2.039 2.204 2.073 2.049 2.136 2.090 2.083 2.019 2.087   2.85
             ---- Linear regr., Force(0,0) ----  Coefficient =  0.9998
               Response Ratio = 0.00000 + 2.09129 *A

100) Pentachloroe 0.230 0.284 0.274 0.280 0.301 0.292 0.300 0.249 0.276   9.09
101) sec-Butylben 2.466 2.601 2.332 2.286 2.487 2.401 2.402 2.261 2.404   4.69
102) 4-Isopropylt 2.091 2.207 1.963 1.959 2.096 2.010 2.027 1.878 2.029   5.01
             ---- Linear regr., Force(0,0) ----  Coefficient =  0.9994
               Response Ratio = 0.00000 + 2.02695 *A

103) 1,3-Dichloro 1.095 1.216 1.118 1.083 1.139 1.098 1.096 1.072 1.115   4.12
104) 1,2,3-Trimet 2.200 2.337 2.120 2.111 2.170 2.078 2.130 2.105 2.156   3.83
105) 1,4-Dichloro 1.116 1.238 1.117 1.092 1.118 1.080 1.104 1.126 1.124   4.32
106) n-Butylbenze 1.074 1.216 1.074 1.086 1.179 1.128 1.137 0.999 1.112   6.13
             ---- Linear regr., Force(0,0) ----  Coefficient =  0.9992
               Response Ratio = 0.00000 + 1.13396 *A

107) Benzyl Chlor 0.264 0.325 0.307 0.316 0.332 0.335 0.339 0.265 0.310   9.77
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9997
               Response Ratio = 0.00000 + 0.31231 *A + 0.01458 *A^2

108) 1,2-Dichloro 1.011 1.145 1.059 1.030 1.070 1.025 1.056 1.008 1.051   4.21
109) 1,2-Dibromo- 0.193 0.234 0.229 0.231 0.239 0.241 0.248 0.202 0.227   8.64
110) Hexachlorobu 0.223 0.241 0.209 0.218 0.228 0.219 0.223 0.201 0.220   5.45
111) 1,2,4-Trichl 0.650 0.696 0.625 0.638 0.666 0.650 0.651 0.592 0.646   4.66
112) Naphthalene  2.460 2.830 2.586 2.627 2.776 2.681 2.718 2.430 2.638   5.39
             ---- Linear regr., Force(0,0) ----  Coefficient =  0.9996
               Response Ratio = 0.00000 + 2.70154 *A

113) 1,2,3-Trichl 0.555 0.646 0.592 0.605 0.632 0.608 0.623 0.563 0.603   5.32
 ----------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           V1O_03-07-2024.M        Thu Mar 07 14:53:36 2024
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Initial Calibration Verification

Job Number: FC14007
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1O2972-ICV2972
Lab FileID: 1O82561.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\2\data\03-07-2024\1O82561.D Vial: 11
Acq On : 7 Mar 2024 12:21 pm Operator: jeniferw
Sample : ICV2972-5 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,, Multiplr: 1.00
MS Integration Params: big.p

Method : C:\msdchem\2\met...V1O_03-07-2024.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Mar 07 14:46:10 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	98	0.00	3.98
2	Dichlorodifluoromethane		----------NA----------				
3 P	Chloromethane		----------NA----------				
		Amount	Calc.	%Drift			
4	1,3-butadiene	40.000	34.058	14.9	79	0.00	1.42
		AvgRF	CCRF	%Dev			
5 C	Vinyl Chloride		----------NA----------				
		Amount	Calc.	%Drift			
6	Bromomethane		----------NA----------				
7	Chloroethane		----------NA----------				
		AvgRF	CCRF	%Dev			
8	Trichlorofluoromethane	0.246	0.292	-18.7	108	0.00	1.82
9	Ethyl Ether	0.206	0.192	6.8	90	0.00	2.03
10	Ethanol	0.005	0.005	0.0	100	0.00	2.13
11	1,2-Dichlorotrifluoroetha	0.247	0.254	-2.8	100	0.00	2.15
12 C	1,1-Dichloroethene	0.325	0.292	10.2	85	0.00	2.15
13	Freon 113	0.179	0.188	-5.0	95	0.00	2.18
14	Carbon Disulfide	0.649	0.552	14.9	84	0.00	2.17
		Amount	Calc.	%Drift			
15	Iodomethane	40.000	38.799	3.0	82	0.00	2.24
		AvgRF	CCRF	%Dev			
16	Acrolein	0.078	0.070	10.3	90	0.00	2.35
17	Allyl chloride	0.301	0.296	1.7	95	0.00	2.44
		Amount	Calc.	%Drift			
18	Methylene Chloride	40.000	41.522	-3.8	95	0.00	2.50
		AvgRF	CCRF	%Dev			
19	Acetone	0.112	0.115	-2.7	104	0.00	2.53
20	Methyl acetate	0.283	0.257	9.2	88	0.00	2.60
21	trans-1,2-Dichloroethene	0.328	0.313	4.6	92	0.00	2.60
22	Hexane	0.179	0.179	0.0	92	0.00	2.65
23	Methyl Tert Butyl Ether	0.642	0.619	3.6	94	0.00	2.66
24	Tert Butyl Alcohol	0.067	0.069	-3.0	98	0.00	2.71
		Amount	Calc.	%Drift			

Initial Calibration Verification

Job Number: FC14007
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY
Sample: V1O2972-ICV2972
Lab FileID: 1O82561.D

25		Acetonitrile	400.000	445.587	-11.4	104	0.00	2.80
			AvgRF	CCRF	%Dev			
26		Di-isopropyl ether	0.703	0.668	5.0	92	0.00	2.88
27		Chloroprene	0.339	0.339	0.0	92	0.00	2.94
28	P	1,1-Dichloroethane	0.421	0.383	9.0	89	0.00	2.95
29		Acrylonitrile	0.126	0.134	-6.3	104	0.00	2.98
30		ETBE	0.733	0.720	1.8	95	0.00	3.09
31		Vinyl acetate	0.500	0.567	-13.4	109	0.00	3.09
32		cis-1,2-Dichloroethene	0.228	0.208	8.8	90	0.00	3.26
33		2,2-Dichloropropane	0.300	0.298	0.7	98	0.00	3.32
34		Bromochloromethane	0.103	0.098	4.9	93	0.00	3.37
35		Cyclohexane	0.398	0.374	6.0	88	0.00	3.38
36	C	Chloroform	0.392	0.376	4.1	95	0.00	3.41
37		Ethyl acetate	0.350	0.369	-5.4	102	0.00	3.47
38		Tetrahydrofuran	0.140	0.133	5.0	92	0.00	3.50
39	S	Dibromofluoromethane	0.255	0.256	-0.4	98	0.00	3.51
40		Carbon Tetrachloride	0.245	0.246	-0.4	96	0.00	3.50
41		1,1,1-Trichloroethane	0.311	0.299	3.9	93	0.00	3.53
42		2-Butanone	0.201	0.197	2.0	94	0.00	3.57
43		1,1-Dichloropropene	0.278	0.275	1.1	93	0.00	3.60
44		tert-Butyl formate	0.198	0.211	-6.6	101	0.00	3.66
45		Propionitrile	0.067	0.070	-4.5	105	0.00	3.75
46		Methacrylonitrile	0.195	0.201	-3.1	102	0.00	3.76
47		Benzene	0.832	0.795	4.4	93	0.00	3.74
48		TAME	0.620	0.604	2.6	95	0.00	3.81
49		Isobutyl alcohol	0.024	0.024	0.0	100	0.00	3.84
50	S	1,2-Dichloroethane-d4	0.323	0.323	0.0	97	0.00	3.82
51		1,2-Dichloroethane	0.314	0.303	3.5	96	0.00	3.86
52		Tert Amyl Alcohol	0.056	0.057	-1.8	99	0.00	3.90
53		Trichloroethene	0.226	0.214	5.3	94	0.00	4.09
54		Methylcyclohexane	0.320	0.324	-1.3	93	0.00	4.09
55		Dibromomethane	0.142	0.141	0.7	96	0.00	4.34
56	C	1,2-Dichloropropane	0.238	0.241	-1.3	99	0.00	4.40
57		Bromodichloromethane	0.284	0.273	3.9	94	0.00	4.43
58		Methyl methacrylate	0.242	0.262	-8.3	107	0.00	4.51
59		1,4-Dioxane	0.004	0.004	0.0	84	0.00	4.55
60		2-Chloroethyl vinyl ether	0.200	0.206	-3.0	99	0.00	4.77
61		cis-1,3-Dichloropropene	0.347	0.350	-0.9	98	0.00	4.82
62	I	Chlorobenzene-d5	1.000	1.000	0.0	99	0.00	5.98
63	S	Toluene-d8	1.466	1.460	0.4	99	0.00	4.94
64	C	Toluene	1.279	1.242	2.9	96	0.00	4.97
65		2-Nitropropane	0.129	0.132	-2.3	96	0.00	5.12
66		4-Methyl-2-pentanone	0.509	0.529	-3.9	102	0.00	5.20
67		trans-1,3-Dichloropropene	0.478	0.460	3.8	93	0.00	5.23
68		Tetrachloroethene	0.277	0.278	-0.4	97	0.00	5.23
69		Ethyl methacrylate	0.468	0.489	-4.5	105	0.00	5.33
70		1,1,2-Trichloroethane	0.276	0.265	4.0	97	0.00	5.34
71		Dibromochloromethane	0.289	0.298	-3.1	98	0.00	5.46
72		1,3-Dichloropropane	0.515	0.540	-4.9	102	0.00	5.53
73		1,2-Dibromoethane	0.317	0.316	0.3	97	0.00	5.63
74		3,3-dimethyl-1-butanol	0.097	0.104	-7.2	107	0.00	5.74
75		2-hexanone	0.538	0.557	-3.5	103	0.00	5.77
76		1-Chlorohexane	0.424	0.399	5.9	96	0.00	5.97
77	C	Ethylbenzene	1.390	1.365	1.8	97	0.00	6.01
78	P	Chlorobenzene	0.809	0.789	2.5	97	0.00	5.99
79		1,1,1,2-Tetrachloroethane	0.272	0.271	0.4	96	0.00	6.04
80		m,p-Xylene	1.106	1.079	2.4	96	0.00	6.11
81		o-Xylene	1.154	1.097	4.9	95	0.00	6.43

Initial Calibration Verification

Job Number: FC14007
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1O2972-ICV2972
Lab FileID: 1O82561.D

82		Styrene	0.874	0.895	-2.4	99	0.00	6.46
83	P	Bromoform	0.173	0.176	-1.7	94	0.00	6.48
84		Isopropylbenzene	1.291	1.271	1.5	95	0.00	6.66
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	98	0.00	7.73
86	S	4-Bromofluorobenzene	0.711	0.710	0.1	96	0.00	6.87
87		cis-1,4-Dichloro-2-butene	0.318	0.329	-3.5	99	0.00	6.92
88		n-Propylbenzene	2.979	2.975	0.1	96	0.00	6.97
89		Bromobenzene	0.557	0.583	-4.7	101	0.00	6.95
90	P	1,1,2,2-Tetrachloroethane	0.939	0.965	-2.8	98	0.00	7.02
91		1,3,5-Trimethylbenzene	2.086	2.110	-1.2	97	0.00	7.12
92		2-Chlorotoluene	2.037	2.024	0.6	97	0.00	7.09
93		trans-1,4-Dichloro-2-Bute	0.259	0.245	5.4	93	0.00	7.16
94		1,2,3-Trichloropropane	0.265	0.294	-10.9	104	0.00	7.13
95		Cyclohexanone	0.059	0.054	8.5	94	0.00	7.16
96		4-Chlorotoluene	1.929	1.915	0.7	96	0.00	7.22
97		tert-Butylbenzene	1.163	1.181	-1.5	97	0.00	7.37
98		a-Methyl styrene		----------NA----------				

		Amount	Calc.	%Drift			
99	1,2,4-Trimethylbenzene	40.000	41.947	-4.9	100	0.00	7.43

		AvgRF	CCRF	%Dev			
100	Pentachloroethane	0.276	0.314	-13.8	102	0.00	7.39
101	sec-Butylbenzene	2.404	2.358	1.9	93	0.00	7.51

		Amount	Calc.	%Drift			
102	4-Isopropyltoluene	40.000	41.765	-4.4	99	0.00	7.62

		AvgRF	CCRF	%Dev			
103	1,3-Dichlorobenzene	1.115	1.097	1.6	94	0.00	7.67
104	1,2,3-Trimethylbenzene	2.156	2.275	-5.5	102	0.00	7.76
105	1,4-Dichlorobenzene	1.124	1.126	-0.2	98	0.00	7.74

		Amount	Calc.	%Drift			
106	n-Butylbenzene	40.000	43.479	-8.7	102	0.00	7.93
107	Benzyl Chloride	40.000	42.134	-5.3	101	0.00	7.92

		AvgRF	CCRF	%Dev			
108	1,2-Dichlorobenzene	1.051	1.062	-1.0	97	0.00	8.05
109	1,2-Dibromo-3-Chloropropa	0.227	0.251	-10.6	103	0.00	8.62
110	Hexachlorobutadiene	0.220	0.250	-13.6	107	0.00	9.08
111	1,2,4-Trichlorobenzene	0.646	0.666	-3.1	98	0.00	9.09

		Amount	Calc.	%Drift			
112	Naphthalene	40.000	39.524	1.2	94	0.00	9.31

		AvgRF	CCRF	%Dev			
113	1,2,3-Trichlorobenzene	0.603	0.626	-3.8	97	0.00	9.44

(#) = Out of Range SPCC's out = 1 CCC's out = 1

1O82557.D V1O_03-07-2024.M Thu Mar 07 14:53:47 2024

Initial Calibration Verification

Job Number: FC14007
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1O2972-ICV2972
Lab FileID: 1O82562.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\2\data\03-07-2024\1O82562.D Vial: 12
Acq On : 7 Mar 2024 1:14 pm Operator: jeniferw
Sample : ICV2972-4 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,, Multiplr: 1.00
MS Integration Params: big.p

Method : C:\msdchem\2\met...V1O_03-07-2024.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Mar 07 14:46:10 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	102	0.00	3.98
2	Dichlorodifluoromethane	0.173	0.238	-37.6#	150	0.00	1.20
3 P	Chloromethane	0.223	0.252	-13.0	122	0.01	1.36
		Amount	Calc.	%Drift			
4	1,3-butadiene		----------NA----------				
		AvgRF	CCRF	%Dev			
5 C	Vinyl Chloride	0.239	0.262	-9.6	115	0.00	1.41
		Amount	Calc.	%Drift			
6	Bromomethane	25.000	29.850	-19.4	152	0.00	1.64
7	Chloroethane	25.000	31.691	-26.8#	139	0.01	1.73
		AvgRF	CCRF	%Dev			
8	Trichlorofluoromethane		----------NA----------				
9	Ethyl Ether		----------NA----------				
10	Ethanol		----------NA----------				
11	1,2-Dichlorotrifluoroetha		----------NA----------				
12 C	1,1-Dichloroethene		----------NA----------				
13	Freon 113		----------NA----------				
14	Carbon Disulfide		----------NA----------				
		Amount	Calc.	%Drift			
15	Iodomethane		----------NA----------				
		AvgRF	CCRF	%Dev			
16	Acrolein		----------NA----------				
17	Allyl chloride		----------NA----------				
		Amount	Calc.	%Drift			
18	Methylene Chloride		----------NA----------				
		AvgRF	CCRF	%Dev			
19	Acetone		----------NA----------				
20	Methyl acetate		----------NA----------				
21	trans-1,2-Dichloroethene		----------NA----------				
22	Hexane		----------NA----------				
23	Methyl Tert Butyl Ether		----------NA----------				
24	Tert Butyl Alcohol		----------NA----------				
		Amount	Calc.	%Drift			

Initial Calibration Verification

Job Number: FC14007
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1O2972-ICV2972
Lab FileID: 1O82562.D

			AvgRF	CCRF	%Dev			
25		Acetonitrile		----------NA----------				
26		Di-isopropyl ether		----------NA----------				
27		Chloroprene		----------NA----------				
28	P	1,1-Dichloroethane		----------NA----------				
29		Acrylonitrile		----------NA----------				
30		ETBE		----------NA----------				
31		Vinyl acetate		----------NA----------				
32		cis-1,2-Dichloroethene		----------NA----------				
33		2,2-Dichloropropane		----------NA----------				
34		Bromochloromethane		----------NA----------				
35		Cyclohexane		----------NA----------				
36	C	Chloroform		----------NA----------				
37		Ethyl acetate		----------NA----------				
38		Tetrahydrofuran		----------NA----------				
39	S	Dibromofluoromethane	0.255	0.257	-0.8	104	0.00	3.51
40		Carbon Tetrachloride		----------NA----------				
41		1,1,1-Trichloroethane		----------NA----------				
42		2-Butanone		----------NA----------				
43		1,1-Dichloropropene		----------NA----------				
44		tert-Butyl formate		----------NA----------				
45		Propionitrile		----------NA----------				
46		Methacrylonitrile		----------NA----------				
47		Benzene		----------NA----------				
48		TAME		----------NA----------				
49		Isobutyl alcohol		----------NA----------				
50	S	1,2-Dichloroethane-d4	0.323	0.319	1.2	104	0.00	3.82
51		1,2-Dichloroethane		----------NA----------				
52		Tert Amyl Alcohol		----------NA----------				
53		Trichloroethene		----------NA----------				
54		Methylcyclohexane		----------NA----------				
55		Dibromomethane		----------NA----------				
56	C	1,2-Dichloropropane		----------NA----------				
57		Bromodichloromethane		----------NA----------				
58		Methyl methacrylate		----------NA----------				
59		1,4-Dioxane		----------NA----------				
60		2-Chloroethyl vinyl ether		----------NA----------				
61		cis-1,3-Dichloropropene		----------NA----------				
62	I	Chlorobenzene-d5	1.000	1.000	0.0	103	0.00	5.98
63	S	Toluene-d8	1.466	1.474	-0.5	102	0.00	4.94
64	C	Toluene		----------NA----------				
65		2-Nitropropane		----------NA----------				
66		4-Methyl-2-pentanone		----------NA----------				
67		trans-1,3-Dichloropropene		----------NA----------				
68		Tetrachloroethene		----------NA----------				
69		Ethyl methacrylate		----------NA----------				
70		1,1,2-Trichloroethane		----------NA----------				
71		Dibromochloromethane		----------NA----------				
72		1,3-Dichloropropane		----------NA----------				
73		1,2-Dibromoethane		----------NA----------				
74		3,3-dimethyl-1-butanol		----------NA----------				
75		2-hexanone		----------NA----------				
76		1-Chlorohexane		----------NA----------				
77	C	Ethylbenzene		----------NA----------				
78	P	Chlorobenzene		----------NA----------				
79		1,1,1,2-Tetrachloroethane		----------NA----------				
80		m,p-Xylene		----------NA----------				
81		o-Xylene		----------NA----------				

Initial Calibration Verification

Job Number: FC14007
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1O2972-ICV2972
Lab FileID: 1O82562.D

82		Styrene		----------NA----------				
83	P	Bromoform		----------NA----------				
84		Isopropylbenzene		----------NA----------				
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	0.00	7.73
86	S	4-Bromofluorobenzene	0.711	0.702	1.3	101	0.00	6.87
87		cis-1,4-Dichloro-2-butene		----------NA----------				
88		n-Propylbenzene		----------NA----------				
89		Bromobenzene		----------NA----------				
90	P	1,1,2,2-Tetrachloroethane		----------NA----------				
91		1,3,5-Trimethylbenzene		----------NA----------				
92		2-Chlorotoluene		----------NA----------				
93		trans-1,4-Dichloro-2-Bute		----------NA----------				
94		1,2,3-Trichloropropane		----------NA----------				
95		Cyclohexanone		----------NA----------				
96		4-Chlorotoluene		----------NA----------				
97		tert-Butylbenzene		----------NA----------				
98		a-Methyl styrene		----------NA----------				
		---------- Amount	Calc.	%Drift	----------			
99		1,2,4-Trimethylbenzene		----------NA----------				
		---------- AvgRF	CCRF	%Dev	----------			
100		Pentachloroethane		----------NA----------				
101		sec-Butylbenzene		----------NA----------				
		---------- Amount	Calc.	%Drift	----------			
102		4-Isopropyltoluene		----------NA----------				
		---------- AvgRF	CCRF	%Dev	----------			
103		1,3-Dichlorobenzene		----------NA----------				
104		1,2,3-Trimethylbenzene		----------NA----------				
105		1,4-Dichlorobenzene		----------NA----------				
		---------- Amount	Calc.	%Drift	----------			
106		n-Butylbenzene		----------NA----------				
107		Benzyl Chloride		----------NA----------				
		---------- AvgRF	CCRF	%Dev	----------			
108		1,2-Dichlorobenzene		----------NA----------				
109		1,2-Dibromo-3-Chloropropa		----------NA----------				
110		Hexachlorobutadiene		----------NA----------				
111		1,2,4-Trichlorobenzene		----------NA----------				
		---------- Amount	Calc.	%Drift	----------			
112		Naphthalene		----------NA----------				
		---------- AvgRF	CCRF	%Dev	----------			
113		1,2,3-Trichlorobenzene		----------NA----------				

(#) = Out of Range SPCC's out = 4 CCC's out = 5
1O82556.D V1O_03-07-2024.M Thu Mar 07 14:55:42 2024

Continuing Calibration Summary

Job Number: FC14007
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1O2976-CC2972
Lab FileID: 1O82622.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\2\data\03-14-2024\1O82622.D Vial: 2
Acq On : 14 Mar 2024 7:52 am Operator: jeniferw
Sample : CC2972-4 Inst : MSVOA12
Misc : MS56076,V1O2976,,,,, Multiplr: 1.00
MS Integration Params: big.p

Method : C:\msdchem\2\met...V1O_03-07-2024.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Mar 07 14:46:10 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	102	0.00	3.98
2	Dichlorodifluoromethane	0.173	0.186	-7.5	117	0.00	1.20
3 P	Chloromethane	0.223	0.235	-5.4	113	0.00	1.35
		Amount	Calc.	%Drift			
4	1,3-butadiene	25.000	23.198	7.2	98	0.00	1.42
		AvgRF	CCRF	%Dev			
5 C	Vinyl Chloride	0.239	0.246	-2.9	108	0.00	1.40
		Amount	Calc.	%Drift			
6	Bromomethane	25.000	27.867	-11.5	142	0.00	1.64
7	Chloroethane	25.000	25.867	-3.5	114	0.00	1.71
		AvgRF	CCRF	%Dev			
8	Trichlorofluoromethane	0.246	0.256	-4.1	107	0.00	1.81
9	Ethyl Ether	0.206	0.202	1.9	105	0.00	2.03
10	Ethanol	0.005	0.006	-20.0	122	0.00	2.13
11	1,2-Dichlorotrifluoroetha	0.247	0.242	2.0	109	0.00	2.15
12 C	1,1-Dichloroethene	0.325	0.324	0.3	108	0.00	2.15
13	Freon 113	0.179	0.181	-1.1	109	0.00	2.18
14	Carbon Disulfide	0.649	0.627	3.4	107	0.00	2.17
		Amount	Calc.	%Drift			
15	Iodomethane	25.000	28.021	-12.1	148	0.00	2.24
		AvgRF	CCRF	%Dev			
16	Acrolein	0.078	0.075	3.8	104	0.00	2.35
17	Allyl chloride	0.301	0.298	1.0	104	0.00	2.44
		Amount	Calc.	%Drift			
18	Methylene Chloride	25.000	28.097	-12.4	107	0.00	2.50
		AvgRF	CCRF	%Dev			
19	Acetone	0.112	0.119	-6.2	114	0.00	2.53
20	Methyl acetate	0.283	0.289	-2.1	105	0.00	2.60
21	trans-1,2-Dichloroethene	0.328	0.327	0.3	106	0.00	2.60
22	Hexane	0.179	0.181	-1.1	113	0.00	2.65
23	Methyl Tert Butyl Ether	0.642	0.614	4.4	101	0.00	2.66
24	Tert Butyl Alcohol	0.067	0.072	-7.5	109	0.00	2.71
		Amount	Calc.	%Drift			

Continuing Calibration Summary

Job Number: FC14007
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY
Sample: V1O2976-CC2972
Lab FileID: 1O82622.D

			250.000	285.132	-14.1	111	0.00	2.80
25		Acetonitrile						
			AvgRF	CCRF	%Dev			
26		Di-isopropyl ether	0.703	0.711	-1.1	105	0.00	2.88
27		Chloroprene	0.339	0.320	5.6	100	0.00	2.94
28	P	1,1-Dichloroethane	0.421	0.409	2.9	104	0.00	2.95
29		Acrylonitrile	0.126	0.132	-4.8	109	0.00	2.98
30		ETBE	0.733	0.719	1.9	102	0.00	3.09
31		Vinyl acetate	0.500	0.514	-2.8	106	0.00	3.09
32		cis-1,2-Dichloroethene	0.228	0.207	9.2	98	0.00	3.26
33		2,2-Dichloropropane	0.300	0.281	6.3	103	0.00	3.32
34		Bromochloromethane	0.103	0.100	2.9	102	0.00	3.37
35		Cyclohexane	0.398	0.398	0.0	110	0.00	3.38
36	C	Chloroform	0.392	0.373	4.8	102	0.00	3.41
37		Ethyl acetate	0.350	0.363	-3.7	108	0.00	3.47
38		Tetrahydrofuran	0.140	0.146	-4.3	108	0.00	3.50
39	S	Dibromofluoromethane	0.255	0.254	0.4	103	0.00	3.51
40		Carbon Tetrachloride	0.245	0.227	7.3	100	0.00	3.49
41		1,1,1-Trichloroethane	0.311	0.296	4.8	105	0.00	3.53
42		2-Butanone	0.201	0.209	-4.0	107	0.00	3.57
43		1,1-Dichloropropene	0.278	0.272	2.2	106	0.00	3.60
44		tert-Butyl formate	0.198	0.195	1.5	103	0.00	3.66
45		Propionitrile	0.067	0.070	-4.5	107	0.00	3.75
46		Methacrylonitrile	0.195	0.199	-2.1	102	0.00	3.76
47		Benzene	0.832	0.798	4.1	102	0.00	3.74
48		TAME	0.620	0.589	5.0	98	0.00	3.80
49		Isobutyl alcohol	0.024	0.026	-8.3	111	0.00	3.84
50	S	1,2-Dichloroethane-d4	0.323	0.329	-1.9	107	0.00	3.82
51		1,2-Dichloroethane	0.314	0.310	1.3	105	0.00	3.85
52		Tert Amyl Alcohol	0.056	0.059	-5.4	110	0.00	3.90
53		Trichloroethene	0.226	0.215	4.9	102	0.00	4.08
54		Methylcyclohexane	0.320	0.321	-0.3	110	0.00	4.08
55		Dibromomethane	0.142	0.135	4.9	100	0.00	4.33
56	C	1,2-Dichloropropane	0.238	0.229	3.8	101	0.00	4.39
57		Bromodichloromethane	0.284	0.266	6.3	99	0.00	4.43
58		Methyl methacrylate	0.242	0.236	2.5	102	0.00	4.51
59		1,4-Dioxane	0.004	0.005	-25.0#	111	0.00	4.54
60		2-Chloroethyl vinyl ether	0.200	0.197	1.5	104	0.00	4.77
61		cis-1,3-Dichloropropene	0.347	0.331	4.6	101	0.00	4.82
62	I	Chlorobenzene-d5	1.000	1.000	0.0	103	0.00	5.98
63	S	Toluene-d8	1.466	1.473	-0.5	103	0.00	4.94
64	C	Toluene	1.279	1.215	5.0	103	0.00	4.97
65		2-Nitropropane	0.129	0.134	-3.9	107	0.00	5.11
66		4-Methyl-2-pentanone	0.509	0.517	-1.6	103	0.00	5.20
67		trans-1,3-Dichloropropene	0.478	0.460	3.8	101	0.00	5.23
68		Tetrachloroethene	0.277	0.267	3.6	105	0.00	5.23
69		Ethyl methacrylate	0.468	0.436	6.8	97	0.00	5.33
70		1,1,2-Trichloroethane	0.276	0.258	6.5	102	0.00	5.34
71		Dibromochloromethane	0.289	0.273	5.5	99	0.00	5.46
72		1,3-Dichloropropane	0.515	0.497	3.5	102	0.00	5.53
73		1,2-Dibromoethane	0.317	0.303	4.4	100	0.00	5.63
74		3,3-dimethyl-1-butanol	0.097	0.104	-7.2	112	0.00	5.74
75		2-hexanone	0.538	0.561	-4.3	108	0.00	5.76
76		1-Chlorohexane	0.424	0.371	12.5	102	0.00	5.97
77	C	Ethylbenzene	1.390	1.340	3.6	104	0.00	6.01
78	P	Chlorobenzene	0.809	0.773	4.4	101	0.00	5.99
79		1,1,1,2-Tetrachloroethane	0.272	0.260	4.4	103	0.00	6.03
80		m,p-Xylene	1.106	1.045	5.5	103	0.00	6.11
81		o-Xylene	1.154	1.066	7.6	100	0.00	6.42

Continuing Calibration Summary

Job Number: FC14007 **Sample:** V1O2976-CC2972
Account: BHATALB Bhate Environmental **Lab FileID:** 1O82622.D
Project: Griffiss AFB; Rome, NY

82		Styrene	0.874	0.829	5.1	99	0.00	6.46
83	P	Bromoform	0.173	0.167	3.5	101	0.00	6.48
84		Isopropylbenzene	1.291	1.238	4.1	103	0.00	6.65
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00	7.73
86	S	4-Bromofluorobenzene	0.711	0.711	0.0	102	0.00	6.87
87		cis-1,4-Dichloro-2-butene	0.318	0.329	-3.5	109	0.00	6.91
88		n-Propylbenzene	2.979	2.844	4.5	102	0.00	6.97
89		Bromobenzene	0.557	0.543	2.5	102	0.00	6.95
90	P	1,1,2,2-Tetrachloroethane	0.939	0.936	0.3	102	0.00	7.02
91		1,3,5-Trimethylbenzene	2.086	1.998	4.2	101	0.00	7.12
92		2-Chlorotoluene	2.037	1.947	4.4	103	0.00	7.09
93		trans-1,4-Dichloro-2-Bute	0.259	0.265	-2.3	114	0.00	7.15
94		1,2,3-Trichloropropane	0.265	0.263	0.8	101	0.00	7.12
95		Cyclohexanone	0.059	0.061	-3.4	110	0.00	7.16
96		4-Chlorotoluene	1.929	1.842	4.5	102	0.00	7.22
97		tert-Butylbenzene	1.163	1.105	5.0	102	0.00	7.37
98		a-Methyl styrene		----------NA----------				
		----------	Amount	Calc.	%Drift			
99		1,2,4-Trimethylbenzene	25.000	23.877	4.5	100	0.00	7.42
		----------	AvgRF	CCRF	%Dev			
100		Pentachloroethane	0.276	0.271	1.8	99	0.00	7.38
101		sec-Butylbenzene	2.404	2.333	3.0	105	0.00	7.51
		----------	Amount	Calc.	%Drift			
102		4-Isopropyltoluene	25.000	24.060	3.8	102	0.00	7.62
		----------	AvgRF	CCRF	%Dev			
103		1,3-Dichlorobenzene	1.115	1.066	4.4	101	0.00	7.67
104		1,2,3-Trimethylbenzene	2.156	2.045	5.1	99	0.00	7.76
105		1,4-Dichlorobenzene	1.124	1.091	2.9	102	0.00	7.74
		----------	Amount	Calc.	%Drift			
106		n-Butylbenzene	25.000	24.135	3.5	103	0.00	7.93
107		Benzyl Chloride	25.000	22.813	8.7	95	0.00	7.92
		----------	AvgRF	CCRF	%Dev			
108		1,2-Dichlorobenzene	1.051	1.002	4.7	100	0.00	8.04
109		1,2-Dibromo-3-Chloropropa	0.227	0.226	0.4	101	0.00	8.62
110		Hexachlorobutadiene	0.220	0.221	-0.5	104	0.00	9.07
111		1,2,4-Trichlorobenzene	0.646	0.617	4.5	99	0.00	9.09
		----------	Amount	Calc.	%Drift			
112		Naphthalene	25.000	22.978	8.1	97	0.00	9.31
		----------	AvgRF	CCRF	%Dev			
113		1,2,3-Trichlorobenzene	0.603	0.581	3.6	98	0.00	9.43

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1O82556.D V1O_03-07-2024.M Thu Mar 14 08:09:15 2024

Continuing Calibration Summary

Job Number: FC14007
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1O2976-ECC2972
Lab FileID: 1O82648.D

Evaluate Continuing Calibration Report

Data File : R:\GBS Manila Data V...976\V1O2976\1O82648.d Vial: 28
Acq On : 14 Mar 2024 6:55 pm Operator: jeniferw
Sample : ECC2972-4 Inst : MSVOA12
Misc : MS56094,V1O2976,,,,, Multiplr: 1.00
MS Integration Params: big.p

Method : R:\GBS Manila Da...V1O_03-07-2024.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Mar 07 14:46:10 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 50% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	93	0.00	3.98
2	Dichlorodifluoromethane	0.173	0.192	-11.0	110	0.00	1.20
3 P	Chloromethane	0.223	0.249	-11.7	109	0.00	1.35
	----------	True	Calc.	% Drift	----------		
4	1,3-butadiene	25.000	26.519	-6.1	102	0.00	1.42
	----------	AvgRF	CCRF	% Dev	----------		
5 C	Vinyl Chloride	0.239	0.261	-9.2	105	0.00	1.40
	----------	True	Calc.	% Drift	----------		
6	Bromomethane	25.000	26.034	-4.1	121	0.00	1.64
7	Chloroethane	25.000	36.418	-45.7	140	0.00	1.72
	----------	AvgRF	CCRF	% Dev	----------		
8	Trichlorofluoromethane	0.246	0.267	-8.5	102	0.00	1.82
9	Ethyl Ether	0.206	0.214	-3.9	101	0.00	2.03
10	Ethanol	0.005	0.005	0.0	107	0.00	2.14
11	1,2-Dichlorotrifluoroetha	0.247	0.255	-3.2	105	0.00	2.15
12 C	1,1-Dichloroethene	0.325	0.338	-4.0	103	0.00	2.15
13	Freon 113	0.179	0.186	-3.9	101	0.00	2.18
14	Carbon Disulfide	0.649	0.622	4.2	97	0.00	2.17
	----------	True	Calc.	% Drift	----------		
15	Iodomethane	25.000	29.070	-16.3	141	0.00	2.24
	----------	AvgRF	CCRF	% Dev	----------		
16	Acrolein	0.078	0.074	5.1	94	0.00	2.35
17	Allyl chloride	0.301	0.306	-1.7	98	0.00	2.44
	----------	True	Calc.	% Drift	----------		
18	Methylene Chloride	25.000	35.562	-42.2	123	0.00	2.50
	----------	AvgRF	CCRF	% Dev	----------		
19	Acetone	0.112	0.119	-6.2	104	0.00	2.53
20	Methyl acetate	0.283	0.320	-13.1	106	0.00	2.60
21	trans-1,2-Dichloroethene	0.328	0.344	-4.9	102	0.00	2.60
22	Hexane	0.179	0.183	-2.2	104	0.00	2.65
23	Methyl Tert Butyl Ether	0.642	0.640	0.3	96	0.00	2.66
24	Tert Butyl Alcohol	0.067	0.067	0.0	94	0.00	2.71
	----------	True	Calc.	% Drift	----------		

Continuing Calibration Summary

Job Number: FC14007
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1O2976-ECC2972
Lab FileID: 1O82648.D

25		Acetonitrile	250.000	277.177	-10.9	98	0.00	2.80
			AvgRF	CCRF	% Dev			
26		Di-isopropyl ether	0.703	0.755	-7.4	101	0.00	2.88
27		Chloroprene	0.339	0.358	-5.6	102	0.00	2.94
28	P	1,1-Dichloroethane	0.421	0.432	-2.6	100	0.00	2.95
29		Acrylonitrile	0.126	0.136	-7.9	103	0.00	2.98
30		ETBE	0.733	0.759	-3.5	98	0.00	3.09
31		Vinyl acetate	0.500	0.511	-2.2	96	0.00	3.09
32		cis-1,2-Dichloroethene	0.228	0.218	4.4	95	0.00	3.26
33		2,2-Dichloropropane	0.300	0.264	12.0	89	0.00	3.32
34		Bromochloromethane	0.103	0.105	-1.9	98	0.00	3.37
35		Cyclohexane	0.398	0.420	-5.5	106	0.00	3.38
36	C	Chloroform	0.392	0.386	1.5	97	0.00	3.41
37		Ethyl acetate	0.350	0.376	-7.4	102	0.00	3.47
38		Tetrahydrofuran	0.140	0.152	-8.6	103	0.00	3.50
39	S	Dibromofluoromethane	0.255	0.257	-0.8	95	0.00	3.51
40		Carbon Tetrachloride	0.245	0.223	9.0	90	0.00	3.49
41		1,1,1-Trichloroethane	0.311	0.307	1.3	99	0.00	3.54
42		2-Butanone	0.201	0.209	-4.0	98	0.00	3.58
43		1,1-Dichloropropene	0.278	0.285	-2.5	101	0.00	3.60
44		tert-Butyl formate	0.198	0.176	11.1	85	0.00	3.66
45		Propionitrile	0.067	0.070	-4.5	96	0.00	3.75
46		Methacrylonitrile	0.195	0.211	-8.2	99	0.00	3.76
47		Benzene	0.832	0.836	-0.5	98	0.00	3.74
48		TAME	0.620	0.606	2.3	92	0.00	3.81
49		Isobutyl alcohol	0.024	0.021	12.5	84	0.00	3.84
50	S	1,2-Dichloroethane-d4	0.323	0.338	-4.6	100	0.00	3.82
51		1,2-Dichloroethane	0.314	0.328	-4.5	102	0.00	3.86
52		Tert Amyl Alcohol	0.056	0.053	5.4	90	0.00	3.90
53		Trichloroethene	0.226	0.214	5.3	93	0.00	4.09
54		Methylcyclohexane	0.320	0.318	0.6	99	0.00	4.09
55		Dibromomethane	0.142	0.140	1.4	95	0.00	4.34
56	C	1,2-Dichloropropane	0.238	0.244	-2.5	98	0.00	4.40
57		Bromodichloromethane	0.284	0.266	6.3	91	0.00	4.43
58		Methyl methacrylate	0.242	0.251	-3.7	99	0.00	4.51
59		1,4-Dioxane	0.004	0.005	-25.0	100	0.00	4.55
60		2-Chloroethyl vinyl ether	0.200	0.203	-1.5	98	0.00	4.77
61		cis-1,3-Dichloropropene	0.347	0.327	5.8	91	0.00	4.82
62	I	Chlorobenzene-d5	1.000	1.000	0.0	94	0.00	5.98
63	S	Toluene-d8	1.466	1.473	-0.5	94	0.00	4.94
64	C	Toluene	1.279	1.267	0.9	97	0.00	4.97
65		2-Nitropropane	0.129	0.123	4.7	89	0.00	5.12
66		4-Methyl-2-pentanone	0.509	0.546	-7.3	99	0.00	5.21
67		trans-1,3-Dichloropropene	0.478	0.456	4.6	91	0.00	5.23
68		Tetrachloroethene	0.277	0.280	-1.1	100	0.00	5.23
69		Ethyl methacrylate	0.468	0.448	4.3	91	0.00	5.33
70		1,1,2-Trichloroethane	0.276	0.270	2.2	97	0.00	5.34
71		Dibromochloromethane	0.289	0.260	10.0	86	0.00	5.46
72		1,3-Dichloropropane	0.515	0.519	-0.8	97	0.00	5.53
73		1,2-Dibromoethane	0.317	0.314	0.9	94	0.00	5.63
74		3,3-dimethyl-1-butanol	0.097	0.098	-1.0	96	0.00	5.74
75		2-hexanone	0.538	0.567	-5.4	99	0.00	5.77
76		1-Chlorohexane	0.424	0.389	8.3	97	0.00	5.97
77	C	Ethylbenzene	1.390	1.374	1.2	97	0.00	6.01
78	P	Chlorobenzene	0.809	0.802	0.9	95	0.00	5.99
79		1,1,1,2-Tetrachloroethane	0.272	0.250	8.1	90	0.00	6.04
80		m,p-Xylene	1.106	1.089	1.5	97	0.00	6.11
81		o-Xylene	1.154	1.117	3.2	95	0.00	6.43

Continuing Calibration Summary

Job Number: FC14007
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1O2976-ECC2972
Lab FileID: 1O82648.D

82		Styrene	0.874	0.852	2.5	92	0.00	6.46
83	P	Bromoform	0.173	0.149	13.9	82	0.00	6.48
84		Isopropylbenzene	1.291	1.271	1.5	96	0.00	6.66
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	94	0.00	7.73
86	S	4-Bromofluorobenzene	0.711	0.704	1.0	93	0.00	6.87
87		cis-1,4-Dichloro-2-butene	0.318	0.288	9.4	87	0.00	6.91
88		n-Propylbenzene	2.979	2.920	2.0	96	0.00	6.97
89		Bromobenzene	0.557	0.555	0.4	95	0.00	6.95
90	P	1,1,2,2-Tetrachloroethane	0.939	0.947	-0.9	95	0.00	7.02
91		1,3,5-Trimethylbenzene	2.086	2.051	1.7	95	0.00	7.12
92		2-Chlorotoluene	2.037	1.983	2.7	97	0.00	7.09
93		trans-1,4-Dichloro-2-Bute	0.259	0.246	5.0	97	0.00	7.16
94		1,2,3-Trichloropropane	0.265	0.269	-1.5	95	0.00	7.13
95		Cyclohexanone	0.059	0.059	0.0	97	0.00	7.16
96		4-Chlorotoluene	1.929	1.890	2.0	96	0.00	7.22
97		tert-Butylbenzene	1.163	1.143	1.7	97	0.00	7.37
98		a-Methyl styrene		----------NA----------				
		----------	True	Calc.	% Drift	----------		
99		1,2,4-Trimethylbenzene	25.000	24.518	1.9	94	0.00	7.43
		----------	AvgRF	CCRF	% Dev	----------		
100		Pentachloroethane	0.276	0.233	15.6	78	0.00	7.39
101		sec-Butylbenzene	2.404	2.354	2.1	97	0.00	7.51
		----------	True	Calc.	% Drift	----------		
102		4-Isopropyltoluene	25.000	24.361	2.6	95	0.00	7.62
		----------	AvgRF	CCRF	% Dev	----------		
103		1,3-Dichlorobenzene	1.115	1.100	1.3	96	0.00	7.67
104		1,2,3-Trimethylbenzene	2.156	2.113	2.0	94	0.00	7.76
105		1,4-Dichlorobenzene	1.124	1.118	0.5	97	0.00	7.74
		----------	True	Calc.	% Drift	----------		
106		n-Butylbenzene	25.000	23.909	4.4	94	0.00	7.93
107		Benzyl Chloride	25.000	17.344	30.6	66	0.00	7.92
		----------	AvgRF	CCRF	% Dev	----------		
108		1,2-Dichlorobenzene	1.051	1.028	2.2	94	0.00	8.05
109		1,2-Dibromo-3-Chloropropa	0.227	0.208	8.4	85	0.00	8.62
110		Hexachlorobutadiene	0.220	0.218	0.9	94	0.00	9.07
111		1,2,4-Trichlorobenzene	0.646	0.626	3.1	93	0.00	9.09
		----------	True	Calc.	% Drift	----------		
112		Naphthalene	25.000	23.180	7.3	90	0.00	9.31
		----------	AvgRF	CCRF	% Dev	----------		
113		1,2,3-Trichlorobenzene	0.603	0.589	2.3	92	0.00	9.44

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

1O82556.D V1O_03-07-2024.M Fri Mar 15 09:47:11 2024

Continuing Calibration Summary

Job Number: FC14007
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1O2977-CC2972
Lab FileID: 1O82650.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\2\data\03-15-2024\1O82650.D Vial: 2
Acq On : 15 Mar 2024 7:51 am Operator: jeniferw
Sample : CC2972-4 Inst : MSVOA12
Misc : MS56094,V1O2977,,,,, Multiplr: 1.00
MS Integration Params: big.p

Method : C:\msdchem\2\met...V1O_03-07-2024.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Mar 07 14:46:10 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	96	0.00	3.98
2	Dichlorodifluoromethane	0.173	0.194	-12.1	114	0.00	1.20
3 P	Chloromethane	0.223	0.243	-9.0	110	0.01	1.35
		Amount	Calc.	%Drift			
4	1,3-butadiene	25.000	25.270	-1.1	99	0.00	1.42
		AvgRF	CCRF	%Dev			
5 C	Vinyl Chloride	0.239	0.255	-6.7	105	0.00	1.41
		Amount	Calc.	%Drift			
6	Bromomethane	25.000	25.892	-3.6	123	0.00	1.64
7	Chloroethane	25.000	34.241	-37.0#	136	0.00	1.72
		AvgRF	CCRF	%Dev			
8	Trichlorofluoromethane	0.246	0.266	-8.1	104	0.01	1.82
9	Ethyl Ether	0.206	0.208	-1.0	101	0.00	2.03
10	Ethanol	0.005	0.005	0.0	97	0.00	2.14
11	1,2-Dichlorotrifluoroetha	0.247	0.252	-2.0	106	0.00	2.15
12 C	1,1-Dichloroethene	0.325	0.331	-1.8	103	0.00	2.15
13	Freon 113	0.179	0.187	-4.5	105	0.00	2.18
14	Carbon Disulfide	0.649	0.632	2.6	101	0.00	2.17
		Amount	Calc.	%Drift			
15	Iodomethane	25.000	23.945	4.2	112	0.00	2.24
		AvgRF	CCRF	%Dev			
16	Acrolein	0.078	0.078	0.0	102	0.00	2.35
17	Allyl chloride	0.301	0.308	-2.3	101	0.00	2.44
		Amount	Calc.	%Drift			
18	Methylene Chloride	25.000	31.404	-25.6#	112	0.00	2.51
		AvgRF	CCRF	%Dev			
19	Acetone	0.112	0.129	-15.2	116	0.00	2.53
20	Methyl acetate	0.283	0.298	-5.3	102	0.00	2.60
21	trans-1,2-Dichloroethene	0.328	0.335	-2.1	101	0.00	2.60
22	Hexane	0.179	0.195	-8.9	113	0.00	2.65
23	Methyl Tert Butyl Ether	0.642	0.621	3.3	95	0.00	2.67
24	Tert Butyl Alcohol	0.067	0.064	4.5	92	0.00	2.71
		Amount	Calc.	%Drift			

Continuing Calibration Summary

Job Number: FC14007
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1O2977-CC2972
Lab FileID: 1O82650.D

25		Acetonitrile	250.000	279.300	-11.7	101	0.00	2.80
			AvgRF	CCRF	%Dev			
26		Di-isopropyl ether	0.703	0.738	-5.0	102	0.00	2.88
27		Chloroprene	0.339	0.344	-1.5	101	0.00	2.94
28	P	1,1-Dichloroethane	0.421	0.416	1.2	99	0.00	2.95
29		Acrylonitrile	0.126	0.137	-8.7	106	0.00	2.98
30		ETBE	0.733	0.739	-0.8	98	0.00	3.09
31		Vinyl acetate	0.500	0.534	-6.8	103	0.00	3.09
32		cis-1,2-Dichloroethene	0.228	0.214	6.1	95	0.00	3.26
33		2,2-Dichloropropane	0.300	0.282	6.0	97	0.00	3.32
34		Bromochloromethane	0.103	0.100	2.9	96	0.00	3.37
35		Cyclohexane	0.398	0.414	-4.0	107	0.00	3.38
36	C	Chloroform	0.392	0.381	2.8	97	0.00	3.41
37		Ethyl acetate	0.350	0.378	-8.0	105	0.00	3.47
38		Tetrahydrofuran	0.140	0.155	-10.7	108	0.00	3.50
39	S	Dibromofluoromethane	0.255	0.261	-2.4	99	0.00	3.51
40		Carbon Tetrachloride	0.245	0.226	7.8	93	0.00	3.50
41		1,1,1-Trichloroethane	0.311	0.301	3.2	99	0.00	3.54
42		2-Butanone	0.201	0.216	-7.5	104	0.00	3.58
43		1,1-Dichloropropene	0.278	0.278	0.0	101	0.00	3.60
44		tert-Butyl formate	0.198	0.183	7.6	91	0.00	3.66
45		Propionitrile	0.067	0.071	-6.0	101	0.00	3.75
46		Methacrylonitrile	0.195	0.208	-6.7	100	0.00	3.76
47		Benzene	0.832	0.819	1.6	98	0.00	3.74
48		TAME	0.620	0.596	3.9	93	0.00	3.81
49		Isobutyl alcohol	0.024	0.023	4.2	92	0.00	3.85
50	S	1,2-Dichloroethane-d4	0.323	0.337	-4.3	102	0.00	3.82
51		1,2-Dichloroethane	0.314	0.319	-1.6	101	0.00	3.86
52		Tert Amyl Alcohol	0.056	0.054	3.6	94	0.00	3.90
53		Trichloroethene	0.226	0.220	2.7	98	0.00	4.09
54		Methylcyclohexane	0.320	0.326	-1.9	104	0.00	4.09
55		Dibromomethane	0.142	0.136	4.2	94	0.00	4.34
56	C	1,2-Dichloropropane	0.238	0.239	-0.4	98	0.00	4.40
57		Bromodichloromethane	0.284	0.265	6.7	92	0.00	4.43
58		Methyl methacrylate	0.242	0.247	-2.1	99	0.00	4.51
59		1,4-Dioxane	0.004	0.004	0.0	93	0.00	4.55
60		2-Chloroethyl vinyl ether	0.200	0.203	-1.5	100	0.00	4.77
61		cis-1,3-Dichloropropene	0.347	0.330	4.9	94	0.00	4.82
62	I	Chlorobenzene-d5	1.000	1.000	0.0	98	0.00	5.98
63	S	Toluene-d8	1.466	1.470	-0.3	97	0.00	4.94
64	C	Toluene	1.279	1.213	5.2	97	0.00	4.97
65		2-Nitropropane	0.129	0.124	3.9	94	0.00	5.12
66		4-Methyl-2-pentanone	0.509	0.536	-5.3	101	0.00	5.20
67		trans-1,3-Dichloropropene	0.478	0.451	5.6	93	0.00	5.23
68		Tetrachloroethene	0.277	0.267	3.6	99	0.00	5.23
69		Ethyl methacrylate	0.468	0.438	6.4	93	0.00	5.33
70		1,1,2-Trichloroethane	0.276	0.261	5.4	97	0.00	5.34
71		Dibromochloromethane	0.289	0.262	9.3	90	0.00	5.46
72		1,3-Dichloropropane	0.515	0.507	1.6	98	0.00	5.52
73		1,2-Dibromoethane	0.317	0.308	2.8	96	0.00	5.63
74		3,3-dimethyl-1-butanol	0.097	0.097	0.0	99	0.00	5.74
75		2-hexanone	0.538	0.564	-4.8	102	0.00	5.77
76		1-Chlorohexane	0.424	0.406	4.2	105	0.00	5.97
77	C	Ethylbenzene	1.390	1.327	4.5	98	0.00	6.01
78	P	Chlorobenzene	0.809	0.770	4.8	95	0.00	5.99
79		1,1,1,2-Tetrachloroethane	0.272	0.242	11.0	91	0.00	6.04
80		m,p-Xylene	1.106	1.061	4.1	99	0.00	6.11
81		o-Xylene	1.154	1.093	5.3	97	0.00	6.42

Continuing Calibration Summary

Job Number: FC14007 **Sample:** V1O2977-CC2972
Account: BHATALB Bhate Environmental **Lab FileID:** 1O82650.D
Project: Griffiss AFB; Rome, NY

82		Styrene	0.874	0.827	5.4	93	0.00	6.46
83	P	Bromoform	0.173	0.151	12.7	86	0.00	6.48
84		Isopropylbenzene	1.291	1.237	4.2	98	0.00	6.66
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	95	0.00	7.73
86	S	4-Bromofluorobenzene	0.711	0.725	-2.0	97	0.00	6.87
87		cis-1,4-Dichloro-2-butene	0.318	0.326	-2.5	100	0.00	6.91
88		n-Propylbenzene	2.979	2.949	1.0	99	0.00	6.97
89		Bromobenzene	0.557	0.549	1.4	96	0.00	6.95
90	P	1,1,2,2-Tetrachloroethane	0.939	0.950	-1.2	97	0.00	7.02
91		1,3,5-Trimethylbenzene	2.086	2.049	1.8	97	0.00	7.12
92		2-Chlorotoluene	2.037	1.986	2.5	98	0.00	7.09
93		trans-1,4-Dichloro-2-Bute	0.259	0.265	-2.3	106	0.00	7.15
94		1,2,3-Trichloropropane	0.265	0.269	-1.5	96	0.00	7.13
95		Cyclohexanone	0.059	0.056	5.1	94	0.00	7.16
96		4-Chlorotoluene	1.929	1.904	1.3	98	0.00	7.22
97		tert-Butylbenzene	1.163	1.142	1.8	98	0.00	7.37
98		a-Methyl styrene		----------NA----------				
		----------	Amount	Calc.	%Drift	----------		
99		1,2,4-Trimethylbenzene	25.000	24.434	2.3	95	0.00	7.43
		----------	AvgRF	CCRF	%Dev	----------		
100		Pentachloroethane	0.276	0.250	9.4	85	0.00	7.38
101		sec-Butylbenzene	2.404	2.398	0.2	100	0.00	7.51
		----------	Amount	Calc.	%Drift	----------		
102		4-Isopropyltoluene	25.000	24.725	1.1	98	0.00	7.62
		----------	AvgRF	CCRF	%Dev	----------		
103		1,3-Dichlorobenzene	1.115	1.094	1.9	97	0.00	7.67
104		1,2,3-Trimethylbenzene	2.156	2.120	1.7	96	0.00	7.76
105		1,4-Dichlorobenzene	1.124	1.099	2.2	96	0.00	7.74
		----------	Amount	Calc.	%Drift	----------		
106		n-Butylbenzene	25.000	24.611	1.6	98	0.00	7.93
107		Benzyl Chloride	25.000	21.814	12.7	84	0.00	7.92
		----------	AvgRF	CCRF	%Dev	----------		
108		1,2-Dichlorobenzene	1.051	1.029	2.1	95	0.00	8.05
109		1,2-Dibromo-3-Chloropropa	0.227	0.216	4.8	89	0.00	8.62
110		Hexachlorobutadiene	0.220	0.227	-3.2	99	0.00	9.07
111		1,2,4-Trichlorobenzene	0.646	0.621	3.9	93	0.00	9.09
		----------	Amount	Calc.	%Drift	----------		
112		Naphthalene	25.000	23.030	7.9	90	0.00	9.31
		----------	AvgRF	CCRF	%Dev	----------		
113		1,2,3-Trichlorobenzene	0.603	0.592	1.8	93	0.00	9.43

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1O82556.D V1O_03-07-2024.M Fri Mar 15 08:34:49 2024

Continuing Calibration Summary

Job Number: FC14007
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1O2977-ECC2972
Lab FileID: 1O82676.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\2\data\03-15-2024\1O82676.D Vial: 28
Acq On : 15 Mar 2024 7:09 pm Operator: jeniferw
Sample : ECC2972-4 Inst : MSVOA12
Misc : MS56102,V1O2977,,,,, Multiplr: 1.00
MS Integration Params: big.p

Method : C:\msdchem\2\met...V1O_03-07-2024.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Mar 07 14:46:10 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 50% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	94	0.00	3.98
2	Dichlorodifluoromethane	0.173	0.147	15.0	85	0.00	1.20
3 P	Chloromethane	0.223	0.212	4.9	94	0.01	1.36
		Amount	Calc.	%Drift			
4	1,3-butadiene	25.000	21.729	13.1	84	0.00	1.42
		AvgRF	CCRF	%Dev			
5 C	Vinyl Chloride	0.239	0.213	10.9	86	0.00	1.41
		Amount	Calc.	%Drift			
6	Bromomethane	25.000	22.359	10.6	105	0.00	1.64
7	Chloroethane	25.000	31.574	-26.3	125	0.01	1.73
		AvgRF	CCRF	%Dev			
8	Trichlorofluoromethane	0.246	0.220	10.6	85	0.01	1.82
9	Ethyl Ether	0.206	0.179	13.1	86	0.00	2.03
10	Ethanol	0.005	0.005	0.0	102	0.00	2.13
11	1,2-Dichlorotrifluoroetha	0.247	0.202	18.2	83	0.00	2.15
12 C	1,1-Dichloroethene	0.325	0.275	15.4	84	0.00	2.15
13	Freon 113	0.179	0.143	20.1	79	0.00	2.18
14	Carbon Disulfide	0.649	0.499	23.1	78	0.00	2.17
		Amount	Calc.	%Drift			
15	Iodomethane	25.000	28.921	-15.7	142	0.00	2.25
		AvgRF	CCRF	%Dev			
16	Acrolein	0.078	0.063	19.2	80	0.00	2.36
17	Allyl chloride	0.301	0.242	19.6	78	0.00	2.45
		Amount	Calc.	%Drift			
18	Methylene Chloride	25.000	29.899	-19.6	105	0.00	2.51
		AvgRF	CCRF	%Dev			
19	Acetone	0.112	0.104	7.1	91	0.00	2.53
20	Methyl acetate	0.283	0.263	7.1	88	0.00	2.60
21	trans-1,2-Dichloroethene	0.328	0.280	14.6	84	0.00	2.60
22	Hexane	0.179	0.142	20.7	81	0.00	2.65
23	Methyl Tert Butyl Ether	0.642	0.534	16.8	81	0.00	2.67
24	Tert Butyl Alcohol	0.067	0.059	11.9	83	0.00	2.71
		Amount	Calc.	%Drift			

Continuing Calibration Summary

Job Number: FC14007
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1O2977-ECC2972
Lab FileID: 1O82676.D

25		Acetonitrile	250.000	235.589	5.8	84	0.00	2.80
			AvgRF	CCRF	%Dev			
26		Di-isopropyl ether	0.703	0.641	8.8	87	0.00	2.88
27		Chloroprene	0.339	0.274	19.2	79	0.00	2.94
28	P	1,1-Dichloroethane	0.421	0.353	16.2	82	0.00	2.96
29		Acrylonitrile	0.126	0.117	7.1	89	0.00	2.98
30		ETBE	0.733	0.630	14.1	82	0.00	3.09
31		Vinyl acetate	0.500	0.453	9.4	86	0.00	3.09
32		cis-1,2-Dichloroethene	0.228	0.181	20.6	79	0.00	3.26
33		2,2-Dichloropropane	0.300	0.209	30.3	71	0.00	3.32
34		Bromochloromethane	0.103	0.087	15.5	82	0.00	3.37
35		Cyclohexane	0.398	0.333	16.3	85	0.00	3.39
36	C	Chloroform	0.392	0.320	18.4	81	0.00	3.41
37		Ethyl acetate	0.350	0.330	5.7	90	0.00	3.47
38		Tetrahydrofuran	0.140	0.125	10.7	85	0.00	3.50
39	S	Dibromofluoromethane	0.255	0.255	0.0	95	0.00	3.51
40		Carbon Tetrachloride	0.245	0.170	30.6	69	0.00	3.50
41		1,1,1-Trichloroethane	0.311	0.244	21.5	79	0.00	3.54
42		2-Butanone	0.201	0.181	10.0	86	0.00	3.58
43		1,1-Dichloropropene	0.278	0.231	16.9	83	0.00	3.60
44		tert-Butyl formate	0.198	0.145	26.8	71	0.00	3.67
45		Propionitrile	0.067	0.059	11.9	82	0.00	3.75
46		Methacrylonitrile	0.195	0.177	9.2	84	0.00	3.76
47		Benzene	0.832	0.691	16.9	81	0.00	3.74
48		TAME	0.620	0.504	18.7	77	0.00	3.81
49		Isobutyl alcohol	0.024	0.021	12.5	83	0.00	3.85
50	S	1,2-Dichloroethane-d4	0.323	0.338	-4.6	101	0.00	3.82
51		1,2-Dichloroethane	0.314	0.278	11.5	87	0.00	3.86
52		Tert Amyl Alcohol	0.056	0.048	14.3	82	0.00	3.91
53		Trichloroethene	0.226	0.180	20.4	79	0.00	4.09
54		Methylcyclohexane	0.320	0.247	22.8	78	0.00	4.09
55		Dibromomethane	0.142	0.117	17.6	80	0.00	4.34
56	C	1,2-Dichloropropane	0.238	0.205	13.9	83	0.00	4.40
57		Bromodichloromethane	0.284	0.216	23.9	74	0.00	4.43
58		Methyl methacrylate	0.242	0.205	15.3	81	0.00	4.51
59		1,4-Dioxane	0.004	0.004	0.0	94	0.00	4.55
60		2-Chloroethyl vinyl ether	0.200	0.176	12.0	85	0.00	4.78
61		cis-1,3-Dichloropropene	0.347	0.269	22.5	75	0.00	4.82
62	I	Chlorobenzene-d5	1.000	1.000	0.0	95	0.00	5.98
63	S	Toluene-d8	1.466	1.468	-0.1	95	0.00	4.94
64	C	Toluene	1.279	1.030	19.5	80	0.00	4.98
65		2-Nitropropane	0.129	0.099	23.3	72	0.00	5.12
66		4-Methyl-2-pentanone	0.509	0.466	8.4	86	0.00	5.21
67		trans-1,3-Dichloropropene	0.478	0.373	22.0	75	0.00	5.24
68		Tetrachloroethene	0.277	0.229	17.3	83	0.00	5.23
69		Ethyl methacrylate	0.468	0.360	23.1	74	0.00	5.33
70		1,1,2-Trichloroethane	0.276	0.229	17.0	83	0.00	5.34
71		Dibromochloromethane	0.289	0.208	28.0	69	0.00	5.46
72		1,3-Dichloropropane	0.515	0.439	14.8	83	0.00	5.53
73		1,2-Dibromoethane	0.317	0.262	17.4	80	0.00	5.63
74		3,3-dimethyl-1-butanol	0.097	0.088	9.3	88	0.00	5.74
75		2-hexanone	0.538	0.499	7.2	88	0.00	5.77
76		1-Chlorohexane	0.424	0.306	27.8	77	0.00	5.98
77	C	Ethylbenzene	1.390	1.122	19.3	80	0.00	6.01
78	P	Chlorobenzene	0.809	0.659	18.5	80	0.00	5.99
79		1,1,1,2-Tetrachloroethane	0.272	0.201	26.1	73	0.00	6.04
80		m,p-Xylene	1.106	0.888	19.7	81	0.00	6.11
81		o-Xylene	1.154	0.930	19.4	80	0.00	6.43

Continuing Calibration Summary

Job Number: FC14007 **Sample:** V1O2977-ECC2972
Account: BHATALB Bhate Environmental **Lab FileID:** 1O82676.D
Project: Griffiss AFB; Rome, NY

82		Styrene	0.874	0.704	19.5	77	0.00	6.46
83	P	Bromoform	0.173	0.116	32.9	64	0.00	6.48
84		Isopropylbenzene	1.291	1.030	20.2	79	0.00	6.66
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	95	0.00	7.73
86	S	4-Bromofluorobenzene	0.711	0.714	-0.4	95	0.00	6.87
87		cis-1,4-Dichloro-2-butene	0.318	0.234	26.4	71	0.00	6.92
88		n-Propylbenzene	2.979	2.423	18.7	80	0.00	6.98
89		Bromobenzene	0.557	0.456	18.1	79	0.00	6.95
90	P	1,1,2,2-Tetrachloroethane	0.939	0.797	15.1	80	0.00	7.02
91		1,3,5-Trimethylbenzene	2.086	1.694	18.8	79	0.00	7.12
92		2-Chlorotoluene	2.037	1.657	18.7	81	0.00	7.09
93		trans-1,4-Dichloro-2-Bute	0.259	0.199	23.2	79	0.00	7.16
94		1,2,3-Trichloropropane	0.265	0.223	15.8	79	0.00	7.13
95		Cyclohexanone	0.059	0.056	5.1	92	0.00	7.16
96		4-Chlorotoluene	1.929	1.577	18.2	80	0.00	7.22
97		tert-Butylbenzene	1.163	0.946	18.7	80	0.00	7.37
98		a-Methyl styrene		----------NA----------				
		----------	Amount	Calc.	%Drift	----------		
99		1,2,4-Trimethylbenzene	25.000	20.403	18.4	79	0.00	7.43
		----------	AvgRF	CCRF	%Dev	----------		
100		Pentachloroethane	0.276	0.177	35.9	60	0.00	7.39
101		sec-Butylbenzene	2.404	1.923	20.0	80	0.00	7.51
		----------	Amount	Calc.	%Drift	----------		
102		4-Isopropyltoluene	25.000	19.916	20.3	78	0.00	7.62
		----------	AvgRF	CCRF	%Dev	----------		
103		1,3-Dichlorobenzene	1.115	0.906	18.7	79	0.00	7.68
104		1,2,3-Trimethylbenzene	2.156	1.761	18.3	79	0.00	7.76
105		1,4-Dichlorobenzene	1.124	0.936	16.7	81	0.00	7.74
		----------	Amount	Calc.	%Drift	----------		
106		n-Butylbenzene	25.000	19.171	23.3	76	0.00	7.93
107		Benzyl Chloride	25.000	13.574	45.7	51	0.00	7.92
		----------	AvgRF	CCRF	%Dev	----------		
108		1,2-Dichlorobenzene	1.051	0.884	15.9	81	0.00	8.05
109		1,2-Dibromo-3-Chloropropa	0.227	0.172	24.2	70	0.00	8.62
110		Hexachlorobutadiene	0.220	0.170	22.7	74	0.00	9.08
111		1,2,4-Trichlorobenzene	0.646	0.523	19.0	78	0.00	9.09
		----------	Amount	Calc.	%Drift	----------		
112		Naphthalene	25.000	19.526	21.9	76	0.00	9.31
		----------	AvgRF	CCRF	%Dev	----------		
113		1,2,3-Trichlorobenzene	0.603	0.497	17.6	78	0.00	9.44

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

1O82556.D V1O_03-07-2024.M Sun Mar 17 14:06:16 2024

Initial Calibration Summary

Job Number: FC14007
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3959-ICC3959
Lab FileID: 2P104194.D

Response Factor Report MSVOA13-P

Method : C:\msdchem\1\MET...\V2P_2024-2-07.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Tue Feb 13 10:27:22 2024
Response via : Initial Calibration

Calibration Files
1 =2P104189.D 2 =2P104191.D 3 =2P104192.D 4 =2P104193.D
5 =2P104194.D 6 =2P104195.D 7 =2P104196.D 8 =2P104190.D

Compound	1	2	3	4	5	6	7	8	Avg	%RSD
1) I Fluorobenzene	----------ISTD----------									
2) Dichlorodifl	0.176	0.174	0.169	0.181	0.187	0.179	0.175	0.168	0.176	3.47
3) Chloromethan	0.294	0.247	0.203	0.209	0.210	0.199	0.192	0.284	0.230	17.53
---- Linear regr., Force(0,0) ---- Coefficient = 0.9983										
Response Ratio = 0.00000 + 0.20075 *A										
4) 1,3-butadien	0.271	0.210	0.240	0.246	0.249	0.244	0.253	0.240	0.244	7.00
5) Vinyl Chlori	0.232	0.224	0.211	0.220	0.227	0.221	0.222	0.252	0.226	5.38
6) Bromomethane	0.160	0.131	0.104	0.106	0.111	0.108	0.107	0.172	0.125	21.50
---- Linear regr., Force(0,0) ---- Coefficient = 0.9984										
Response Ratio = 0.00000 + 0.10907 *A										
7) Chloroethane	0.166	0.101	0.066	0.067	0.065	0.062	0.058	0.168	0.094	49.88
---- Linear regr., Force(0,0) ---- Coefficient = 0.9915										
Response Ratio = 0.00000 + 0.06366 *A										
8) Trichloroflu	0.316	0.324	0.307	0.320	0.305		0.332	0.317	3.32	
9) Ethyl Ether	0.234	0.168	0.181	0.186	0.187	0.196	0.208	0.169	0.191	11.35
10) Ethanol		0.004	0.005	0.005	0.004	0.004		0.005	0.004	11.23
11) 1,2-Dichloro	0.272	0.189	0.194	0.195	0.201	0.200	0.204	0.187	0.205	13.46
12) 1,1-Dichloro	0.343	0.251	0.258	0.275	0.282	0.274	0.291	0.246	0.277	11.06
13) Freon 113	0.251	0.137	0.160	0.167	0.181	0.177	0.180	0.155	0.176	19.13
---- Linear regr., Force(0,0) ---- Coefficient = 0.9969										
Response Ratio = 0.00000 + 0.17655 *A										
14) Carbon Disul	0.680	0.458	0.464	0.513	0.520	0.526	0.541	0.479	0.523	13.45
15) Iodomethane	0.131	0.123	0.129	0.180	0.174	0.175	0.165	0.109	0.148	19.13
---- Linear regr., Force(0,0) ---- Coefficient = 0.9955										
Response Ratio = 0.00000 + 0.16797 *A										
16) Acrolein		0.060	0.059	0.064	0.066	0.067	0.066	0.056	0.062	6.21
17) Allyl chlori	0.314	0.242	0.250	0.283	0.283	0.275	0.295	0.278	0.277	8.39
18) Methylene Ch	0.658	0.307	0.259	0.266	0.248	0.237	0.239	0.451	0.333	44.71
---- Linear regr., Force(0,0) ---- Coefficient = 0.9992										
Response Ratio = 0.00000 + 0.24814 *A										
19) Acetone	0.105	0.101	0.109	0.107	0.113	0.108	0.105	0.104	0.106	3.38
20) Methyl aceta	0.325	0.237	0.257	0.274	0.273	0.271	0.288	0.225	0.269	11.54
21) trans-1,2-Di	0.359	0.236	0.251	0.276	0.269	0.268	0.282	0.262	0.275	13.34
22) Hexane	0.183	0.113	0.129	0.142	0.150	0.156	0.162	0.139	0.147	14.63
---- Linear regr., Force(0,0) ---- Coefficient = 0.9953										
Response Ratio = 0.00000 + 0.15403 *A										
23) Methyl Tert	0.804	0.562	0.631	0.648	0.648	0.645	0.665	0.566	0.646	11.53
24) Tert Butyl A	0.085	0.056	0.064	0.067	0.065	0.062	0.062	0.055	0.065	14.26
---- Linear regr., Force(0,0) ---- Coefficient = 0.9983										

Initial Calibration Summary

Job Number: FC14007
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY
Sample: V2P3959-ICC3959
Lab FileID: 2P104194.D

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              Response Ratio = 0.00000 + 0.06300 *A

25) Acetonitrile 0.050 0.048 0.045 0.049 0.048 0.050 0.056 0.043 0.048   7.76
26) Di-isopropyl 0.801 0.611 0.653 0.688 0.670 0.671 0.686 0.570 0.669  10.03
27) Chloroprene  0.807 0.846 0.765 0.949 0.966 0.989 1.018 0.786 0.891  11.28
28) 1,1-Dichloro 0.455 0.354 0.355 0.380 0.372 0.370 0.383 0.390 0.382   8.36
29) Acrylonitril 0.103 0.113 0.092 0.121 0.124 0.127 0.129 0.095 0.113  13.15
30) ETBE         0.782 0.599 0.632 0.698 0.683 0.680 0.705 0.580 0.670   9.68
31) Vinyl acetat 0.420 0.443 0.355 0.517 0.529 0.570 0.560 0.362 0.470  18.33
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9942
              Response Ratio = 0.00000 + 0.54110 *A

32) cis-1,2-Dich 0.285 0.187 0.198 0.211 0.208 0.208 0.214 0.234 0.218  13.84
33) 2,2-Dichloro 0.321 0.240 0.252 0.280 0.273 0.277 0.284 0.239 0.271   9.99
34) Bromochlorom 0.139 0.091 0.095 0.102 0.099 0.095 0.094 0.089 0.101  15.98
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9985
              Response Ratio = 0.00000 + 0.09600 *A

35) Cyclohexane  0.409 0.281 0.331 0.345 0.350 0.352 0.369 0.275 0.339  12.96
36) Chloroform   0.458 0.317 0.332 0.364 0.354 0.352 0.357 0.341 0.359  11.84
37) Ethyl acetat 0.264 0.304 0.246 0.341 0.347 0.364 0.368 0.247 0.310  16.71
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9958
              Response Ratio = 0.00000 + 0.35341 *A

38) Tetrahydrofu 0.064 0.113 0.125 0.135 0.131 0.130 0.132 0.040 0.109  33.31
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9985
              Response Ratio = 0.00000 + 0.13002 *A

39) Dibromofluor 0.217 0.215 0.219 0.218 0.222 0.218 0.219 0.222 0.219   1.08
40) Carbon Tetra 0.362 0.230 0.247 0.235 0.240 0.250 0.250 0.253 0.258  16.57
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9987
              Response Ratio = 0.00000 + 0.24679 *A

41) 1,1,1-Trichl 0.416 0.263 0.280 0.295 0.299 0.294 0.300 0.301 0.306  15.07
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9989
              Response Ratio = 0.00000 + 0.29679 *A

42) 2-Butanone   0.144 0.160 0.177 0.188 0.201 0.190 0.188 0.146 0.174  12.35
43) 1,1-Dichloro 0.307 0.216 0.228 0.254 0.261 0.254 0.266 0.236 0.253  10.99
44) tert-Butyl f 0.165 0.157 0.183 0.176 0.185 0.190 0.207 0.177 0.180   8.56
45) Propionitril 0.030 0.041 0.046 0.055 0.055 0.053 0.056 0.030 0.046  24.06
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9982
              Response Ratio = 0.00000 + 0.05408 *A

46) Methacryloni 0.164 0.162 0.176 0.201 0.200 0.203 0.211 0.145 0.183  13.11
47) Benzene      1.043 0.786 0.808 0.853 0.836 0.842 0.892 0.821 0.860   9.34
48) TAME         0.721 0.553 0.595 0.645 0.633 0.622 0.645 0.528 0.618   9.73
49) 1,2-Dichloro 0.270 0.270 0.274 0.272 0.270 0.272 0.271 0.276 0.272   0.81
50) Isobutyl alc 0.011 0.009 0.013 0.019 0.019 0.018 0.021 0.011 0.015  28.89
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9901
              Response Ratio = 0.00000 + 0.01865 *A

51) 1,2-Dichloro 0.372 0.254 0.276 0.285 0.278 0.276 0.286 0.281 0.288  12.15
52) Tert Amyl Al 0.048 0.039 0.049 0.054 0.053 0.052 0.055 0.039 0.049  13.39
53) Trichloroeth 0.287 0.204 0.191 0.208 0.202 0.200 0.208 0.261 0.220  15.67
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9990
              Response Ratio = 0.00000 + 0.20485 *A

54) Methylcycloh 0.361 0.246 0.285 0.299 0.317 0.320 0.328 0.254 0.301  12.74
55) Dibromometha 0.141 0.100 0.099 0.111 0.116 0.114 0.116 0.103 0.112  11.80
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Initial Calibration Summary

Job Number: FC14007
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3959-ICC3959
Lab FileID: 2P104194.D

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56) 1,2-Dichloro 0.248 0.160 0.191 0.193 0.195 0.194 0.198 0.183 0.195  12.43
57) Bromodichlor 0.275 0.200 0.218 0.242 0.247 0.249 0.255 0.187 0.234  12.79
58) Methyl metha       0.151 0.174 0.226 0.221 0.229 0.237 0.138 0.197  21.00
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9979
              Response Ratio = 0.00000 + 0.22632 *A

59) 1,4-Dioxane  0.003 0.003 0.004 0.005 0.005 0.005 0.005 0.002 0.004  21.87
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9980
              Response Ratio = 0.00000 + 0.00468 *A

60) 2-Chloroethy 0.042 0.062 0.090 0.097 0.102 0.110 0.121 0.053 0.085  33.75
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9925
              Response Ratio = 0.00000 + 0.10932 *A

61) cis-1,3-Dich 0.280 0.229 0.260 0.291 0.298 0.305 0.309 0.200 0.271  14.50
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9979
              Response Ratio = 0.00000 + 0.30011 *A


62) I   Chlorobenzene-d5      ----------------ISTD---------------------
63) Toluene-d8   1.371 1.409 1.402 1.391 1.367 1.387 1.378 1.380 1.386   1.06
64) Toluene      1.609 1.218 1.230 1.274 1.233 1.244 1.261 1.252 1.290  10.09
65) 2-Nitropropa 0.122 0.090 0.112 0.137 0.138 0.143 0.146 0.070 0.120  23.03
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9958
              Response Ratio = 0.00000 + 0.13966 *A

66) 4-Methyl-2-p 0.288 0.432 0.495 0.506 0.558 0.538 0.531 0.335 0.460  21.74
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9990
              Response Ratio = 0.00000 + 0.52865 *A

67) trans-1,3-Di       0.265 0.334 0.401 0.394 0.424 0.425 0.168 0.345  28.03
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9989
              Response Ratio = 0.00000 + 0.40877 *A

68) Tetrachloroe 0.411 0.304 0.322 0.331 0.336 0.330 0.338 0.296 0.333  10.44
69) Ethyl methac       0.311 0.362 0.430 0.432 0.436 0.457 0.145 0.367  30.13
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9994
              Response Ratio = 0.00000 + 0.43536 *A

70) 1,1,2-Trichl 0.240 0.209 0.218 0.233 0.224 0.224 0.223 0.206 0.222   5.01
71) Dibromochlor 0.252 0.198 0.234 0.252 0.257 0.261 0.263 0.158 0.234  16.01
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9981
              Response Ratio = 0.00000 + 0.25724 *A

72) 1,3-Dichloro 0.547 0.412 0.439 0.475 0.460 0.463 0.457 0.384 0.455  10.57
73) 1,2-Dibromoe 0.276 0.219 0.266 0.285 0.283 0.284 0.282 0.197 0.261  13.03
74) 3,3-dimethyl 0.047 0.059 0.082 0.081 0.086 0.091 0.093 0.112 0.081  24.82
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9951
              Response Ratio = 0.00000 + 0.08878 *A

75) 2-hexanone   0.232 0.414 0.506 0.530 0.582 0.578 0.558 0.307 0.463  28.59
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9987
              Response Ratio = 0.00000 + 0.55622 *A

76) 1-Chlorohexa 0.443 0.319 0.303 0.384 0.364 0.388 0.430 0.304 0.367  14.90
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9924
              Response Ratio = 0.00000 + 0.39541 *A

77) Ethylbenzene 1.598 1.265 1.306 1.360 1.354 1.363 1.367 1.275 1.361   7.65
78) Chlorobenzen 1.048 0.767 0.779 0.793 0.769 0.779 0.785 0.792 0.814  11.68
```

Initial Calibration Summary

Job Number: FC14007
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3959-ICC3959
Lab FileID: 2P104194.D

```
 79) 1,1,1,2-Tetr 0.275 0.218 0.246 0.262 0.257 0.259 0.257 0.227 0.250   7.52
 80) m,p-Xylene   1.225 0.939 0.986 1.066 1.055 1.084 1.115 0.924 1.049   9.43
 81) o-Xylene     1.377 1.018 0.994 1.096 1.081 1.078 1.105 0.998 1.093  11.22
 82) Styrene      0.741 0.582 0.685 0.834 0.834 0.867 0.869 0.531 0.743  17.78
             ---- Linear regr., Force(0,0) ----  Coefficient =  0.9968
               Response Ratio = 0.00000 + 0.84335 *A

 83) Bromoform    0.130 0.139 0.152 0.194 0.197 0.207 0.213 0.100 0.166  25.13
             ---- Linear regr., Force(0,0) ----  Coefficient =  0.9960
               Response Ratio = 0.00000 + 0.20171 *A

 84) Isopropylben 1.559 1.162 1.177 1.298 1.262 1.284 1.308 1.110 1.270  10.80

 85) I   1,4-Dichlorobenzene-d ----------------ISTD---------------------
 86) 4-Bromofluor 0.877 0.883 0.854 0.873 0.881 0.852 0.874 0.874 0.871   1.34
 87) cis-1,4-Dich       0.156 0.174 0.224 0.237 0.227 0.259       0.213  18.57
             ---- Linear regr., Force(0,0) ----  Coefficient =  0.9959
               Response Ratio = 0.00000 + 0.23759 *A

 88) n-Propylbenz 3.701 2.511 2.457 2.813 2.802 2.830 3.001 2.525 2.830  14.15
 89) Bromobenzene 0.886 0.589 0.594 0.645 0.624 0.602 0.619 0.598 0.644  15.40
             ---- Linear regr., Force(0,0) ----  Coefficient =  0.9989
               Response Ratio = 0.00000 + 0.61680 *A

 90) 1,1,2,2-Tetr 0.880 0.682 0.802 0.838 0.838 0.794 0.823 0.674 0.791   9.45
 91) 1,3,5-Trimet 2.282 1.792 1.783 1.983 1.974 1.962 2.088 1.837 1.962   8.50
 92) 2-Chlorotolu 1.855 1.469 1.543 1.720 1.698 1.681 1.770 1.521 1.657   8.06
 93) trans-1,4-Di 0.104 0.180 0.185 0.262 0.259 0.281 0.302 0.039 0.201  46.02
             ---- Linear regr., Force(0,0) ----  Coefficient =  0.9923
               Response Ratio = 0.00000 + 0.27536 *A

 94) 1,2,3-Trichl 0.338 0.254 0.263 0.290 0.287 0.272 0.282 0.227 0.277  11.63
 95) Cyclohexanon 0.009 0.040 0.023 0.042 0.044 0.046 0.047 0.011 0.033  48.23
             ---- Linear regr., Force(0,0) ----  Coefficient =  0.9914
               Response Ratio = 0.00000 + 0.04409 *A

 96) 4-Chlorotolu 2.118 1.535 1.569 1.796 1.777 1.772 1.867 1.634 1.759  10.62
 97) tert-Butylbe 1.228 0.949 0.942 1.040 1.033 1.048 1.111 1.018 1.046   8.74
 98) a-Methyl sty                                                 0.000  -1.00
 99) 1,2,4-Trimet 2.274 1.621 1.750 1.945 1.913 1.893 2.017 1.693 1.888  10.93
100) Pentachloroe 0.252 0.253 0.271 0.331 0.335 0.333 0.355 0.279 0.301  13.75
101) sec-Butylben 2.603 1.993 1.998 2.195 2.225 2.188 2.370 1.972 2.193   9.86
102) 4-Isopropylt 1.984 1.547 1.636 1.873 1.863 1.841 1.982 1.578 1.788   9.84
103) 1,3-Dichloro 1.304 0.965 1.006 1.106 1.087 1.077 1.130 1.058 1.092   9.27
104) 1,2,3-Trimet 2.330 1.694 1.781 1.965 1.953 1.942 2.011 1.827 1.938   9.88
105) 1,4-Dichloro 1.304 1.116 1.085 1.138 1.143 1.102 1.156 1.274 1.165   6.91
106) n-Butylbenze 0.699 0.508 0.623 0.767 0.762 0.801 0.875 0.531 0.696  18.85
             ---- Linear regr., Force(0,0) ----  Coefficient =  0.9929
               Response Ratio = 0.00000 + 0.80530 *A

107) Benzyl Chlor 0.151 0.130 0.204 0.280 0.290 0.306 0.336 0.017 0.214  50.94
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9947
               Response Ratio = 0.00000 + 0.21832 *A + 0.06168 *A^2

108) 1,2-Dichloro 1.214 0.915 0.973 1.017 1.034 0.999 1.046 0.872 1.009  10.14
109) 1,2-Dibromo-      0.116 0.129 0.171 0.175 0.179 0.190       0.160  18.66
             ---- Linear regr., Force(0,0) ----  Coefficient =  0.9986
               Response Ratio = 0.00000 + 0.17830 *A

110) Hexachlorobu 0.400 0.250 0.226 0.257 0.261 0.260 0.276 0.267 0.275  19.26
```

Initial Calibration Summary

Job Number: FC14007
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Project: Griffiss AFB; Rome, NY

Sample: V2P3959-ICC3959
Lab FileID: 2P104194.D

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              ---- Linear regr., Force(0,0) ----  Coefficient =  0.9969
                Response Ratio = 0.00000 + 0.26527 *A

111) 1,2,4-Trichl 0.788 0.436 0.518 0.568 0.578 0.600 0.640 0.428 0.569  20.40
              ---- Linear regr., Force(0,0) ----  Coefficient =  0.9943
                Response Ratio = 0.00000 + 0.60215 *A

112) Naphthalene  2.054 1.250 1.576 1.860 1.928 2.003 2.131 0.996 1.725  23.90
              ---- Linear regr., Force(0,0) ----  Coefficient =  0.9931
                Response Ratio = 0.00000 + 1.98823 *A

113) 1,2,3-Trichl 0.706 0.449 0.473 0.534 0.542 0.557 0.584 0.439 0.536  16.18
              ---- Linear regr., Force(0,0) ----  Coefficient =  0.9963
                Response Ratio = 0.00000 + 0.55754 *A

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

           V2P_2024-2-07.M        Tue Feb 13 10:28:32 2024
```

Initial Calibration Verification

Job Number: FC14007
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3959-ICV3959
Lab FileID: 2P104198.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\2024-02-07\2P104198.D Vial: 11
Acq On : 7 Feb 2024 2:40 pm Operator: LIANAT
Sample : ICV3959-5 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,, Multiplr: 1.00
MS Integration Params: small.p

Method : C:\msdchem\1\MET...\V2P_2024-2-07.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Tue Feb 13 10:27:22 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	103	0.00	3.69
2	Dichlorodifluoromethane	0.176	0.190	-8.0	105	0.00	1.12
		Amount	Calc.	%Drift			
3 P	Chloromethane	40.000	41.261	-3.2	102	0.00	1.24
		AvgRF	CCRF	%Dev			
4	1,3-butadiene	0.244	0.219	10.2	91	0.00	1.32
5 C	Vinyl Chloride	0.226	0.230	-1.8	105	0.00	1.30
		Amount	Calc.	%Drift			
6	Bromomethane	40.000	38.041	4.9	97	0.00	1.50
7	Chloroethane	40.000	41.712	-4.3	105	0.00	1.57
		AvgRF	CCRF	%Dev			
8	Trichlorofluoromethane	0.317	0.319	-0.6	108	0.00	1.67
9	Ethyl Ether	0.191	0.196	-2.6	108	0.00	1.87
10	Ethanol	0.004	0.005	-25.0#	118	0.00	1.97
11	1,2-Dichlorotrifluoroetha	0.205	0.222	-8.3	114	0.00	1.96
12 C	1,1-Dichloroethene	0.277	0.280	-1.1	103	0.00	1.97
		Amount	Calc.	%Drift			
13	Freon 113	40.000	42.681	-6.7	108	0.00	2.00
		AvgRF	CCRF	%Dev			
14	Carbon Disulfide	0.523	0.527	-0.8	105	0.00	1.99
		Amount	Calc.	%Drift			
15	Iodomethane	40.000	38.545	3.6	96	0.00	2.05
		AvgRF	CCRF	%Dev			
16	Acrolein	0.062	0.067	-8.1	106	0.00	2.14
17	Allyl chloride	0.277	0.284	-2.5	104	0.00	2.23
		Amount	Calc.	%Drift			
18	Methylene Chloride	40.000	41.687	-4.2	108	0.00	2.29
		AvgRF	CCRF	%Dev			
19	Acetone	0.106	0.127	-19.8	116	0.00	2.30
20	Methyl acetate	0.269	0.272	-1.1	103	0.00	2.38
21	trans-1,2-Dichloroethene	0.275	0.272	1.1	104	0.00	2.39

Initial Calibration Verification

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Sample: V2P3959-ICV3959
Lab FileID: 2P104198.D

			Amount	Calc.	%Drift			
22		Hexane	40.000	39.931	0.2	106	0.00	2.45
			AvgRF	CCRF	%Dev			
23		Methyl Tert Butyl Ether	0.646	0.662	-2.5	105	0.00	2.46
			Amount	Calc.	%Drift			
24		Tert Butyl Alcohol	400.000	402.109	-0.5	101	0.00	2.49
			AvgRF	CCRF	%Dev			
25		Acetonitrile	0.048	0.053	-10.4	115	0.00	2.53
26		Di-isopropyl ether	0.669	0.653	2.4	101	0.00	2.66
27		Chloroprene	0.891	0.979	-9.9	105	0.00	2.71
28	P	1,1-Dichloroethane	0.382	0.365	4.5	101	0.00	2.71
29		Acrylonitrile	0.113	0.129	-14.2	107	0.00	2.71
30		ETBE	0.670	0.678	-1.2	103	0.00	2.86
			Amount	Calc.	%Drift			
31		Vinyl acetate	200.000	193.892	3.1	102	0.00	2.84
			AvgRF	CCRF	%Dev			
32		cis-1,2-Dichloroethene	0.218	0.211	3.2	105	0.00	3.00
33		2,2-Dichloropropane	0.271	0.274	-1.1	104	0.00	3.06
			Amount	Calc.	%Drift			
34		Bromochloromethane	40.000	40.318	-0.8	101	0.00	3.10
			AvgRF	CCRF	%Dev			
35		Cyclohexane	0.339	0.353	-4.1	104	0.00	3.14
36	C	Chloroform	0.359	0.360	-0.3	105	0.00	3.15
			Amount	Calc.	%Drift			
37		Ethyl acetate	200.000	209.032	-4.5	110	0.00	3.21
38		Tetrahydrofuran	40.000	38.134	4.7	98	0.00	3.24
			AvgRF	CCRF	%Dev			
39	S	Dibromofluoromethane	0.219	0.225	-2.7	105	0.00	3.25
			Amount	Calc.	%Drift			
40		Carbon Tetrachloride	40.000	38.809	3.0	103	0.00	3.25
41		1,1,1-Trichloroethane	40.000	40.757	-1.9	105	0.00	3.27
			AvgRF	CCRF	%Dev			
42		2-Butanone	0.174	0.189	-8.6	97	0.00	3.30
43		1,1-Dichloropropene	0.253	0.266	-5.1	106	0.00	3.34
44		tert-Butyl formate	0.180	0.198	-10.0	110	0.00	3.39
			Amount	Calc.	%Drift			
45		Propionitrile	400.000	435.027	-8.8	111	0.00	3.44
			AvgRF	CCRF	%Dev			
46		Methacrylonitrile	0.183	0.212	-15.8	109	0.00	3.46
47		Benzene	0.860	0.847	1.5	105	0.00	3.47
48		TAME	0.618	0.618	0.0	101	0.00	3.54
49	S	1,2-Dichloroethane-d4	0.272	0.288	-5.9	111	0.00	3.53
			Amount	Calc.	%Drift			
50		Isobutyl alcohol	800.000	756.587	5.4	98	0.00	3.58
			AvgRF	CCRF	%Dev			

Initial Calibration Verification

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51		1,2-Dichloroethane	0.288	0.284	1.4	106	0.00	3.56
52		Tert Amyl Alcohol	0.049	0.052	-6.1	100	0.00	3.63
			Amount	Calc.	%Drift			
53		Trichloroethene	40.000	40.281	-0.7	105	0.00	3.80
			AvgRF	CCRF	%Dev			
54		Methylcyclohexane	0.301	0.310	-3.0	101	0.00	3.82
55		Dibromomethane	0.112	0.115	-2.7	103	0.00	4.03
56	C	1,2-Dichloropropane	0.195	0.208	-6.7	110	0.00	4.08
57		Bromodichloromethane	0.234	0.237	-1.3	99	0.00	4.12
			Amount	Calc.	%Drift			
58		Methyl methacrylate	40.000	43.585	-9.0	115	0.00	4.21
59		1,4-Dioxane	800.000	755.189	5.6	96	0.00	4.25
60		2-Chloroethyl vinyl ether	200.000	173.342	13.3	96	0.00	4.45
61		cis-1,3-Dichloropropene	40.000	40.326	-0.8	105	0.00	4.49
			AvgRF	CCRF	%Dev			
62	I	Chlorobenzene-d5	1.000	1.000	0.0	102	0.00	5.61
63	S	Toluene-d8	1.386	1.379	0.5	103	0.00	4.62
64	C	Toluene	1.290	1.252	2.9	104	0.00	4.66
			Amount	Calc.	%Drift			
65		2-Nitropropane	200.000	191.020	4.5	99	0.00	4.75
66		4-Methyl-2-pentanone	200.000	205.449	-2.7	100	0.00	4.87
67		trans-1,3-Dichloropropene	40.000	36.978	7.6	98	0.00	4.89
			AvgRF	CCRF	%Dev			
68		Tetrachloroethene	0.333	0.345	-3.6	105	0.00	4.91
			Amount	Calc.	%Drift			
69		Ethyl methacrylate	40.000	43.535	-8.8	112	0.00	5.01
			AvgRF	CCRF	%Dev			
70		1,1,2-Trichloroethane	0.222	0.222	0.0	102	0.00	4.99
			Amount	Calc.	%Drift			
71		Dibromochloromethane	40.000	41.657	-4.1	107	0.00	5.12
			AvgRF	CCRF	%Dev			
72		1,3-Dichloropropane	0.455	0.484	-6.4	108	0.00	5.17
73		1,2-Dibromoethane	0.261	0.282	-8.0	102	0.00	5.27
			Amount	Calc.	%Drift			
74		3,3-dimethyl-1-butanol	2000.000	1964.983	1.8	103	0.00	5.40
75		2-hexanone	200.000	206.638	-3.3	101	0.00	5.40
76		1-Chlorohexane	40.000	33.932	15.2	94	0.00	5.62
			AvgRF	CCRF	%Dev			
77	C	Ethylbenzene	1.361	1.355	0.4	103	0.00	5.66
78	P	Chlorobenzene	0.814	0.760	6.6	101	0.00	5.63
79		1,1,1,2-Tetrachloroethane	0.250	0.261	-4.4	104	0.00	5.67
80		m,p-Xylene	1.049	1.045	0.4	102	0.00	5.75
81		o-Xylene	1.093	1.041	4.8	99	0.00	6.05
			Amount	Calc.	%Drift			
82		Styrene	40.000	38.489	3.8	100	0.00	6.08
83	P	Bromoform	40.000	37.572	6.1	99	0.00	6.09

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Lab FileID: 2P104198.D

			AvgRF	CCRF	%Dev			
84		Isopropylbenzene	1.270	1.233	2.9	100	0.00	6.28
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	105	0.00	7.30
86	S	4-Bromofluorobenzene	0.871	0.859	1.4	102	0.00	6.47
			Amount	Calc.	%Drift			
87		cis-1,4-Dichloro-2-butene	40.000	34.266	14.3	90	0.00	6.50
			AvgRF	CCRF	%Dev			
88		n-Propylbenzene	2.830	2.615	7.6	98	0.00	6.58
			Amount	Calc.	%Drift			
89		Bromobenzene	40.000	40.408	-1.0	104	0.00	6.54
			AvgRF	CCRF	%Dev			
90	P	1,1,2,2-Tetrachloroethane	0.791	0.793	-0.3	99	0.00	6.60
91		1,3,5-Trimethylbenzene	1.962	1.906	2.9	101	0.00	6.73
92		2-Chlorotoluene	1.657	1.604	3.2	99	0.00	6.69
			Amount	Calc.	%Drift			
93		trans-1,4-Dichloro-2-Bute	40.000	34.558	13.6	96	0.00	6.73
			AvgRF	CCRF	%Dev			
94		1,2,3-Trichloropropane	0.277	0.288	-4.0	105	0.00	6.70
			Amount	Calc.	%Drift			
95		Cyclohexanone	200.000	451.669	-125.8#	238	0.00	6.72
			AvgRF	CCRF	%Dev			
96		4-Chlorotoluene	1.759	1.682	4.4	99	0.00	6.81
97		tert-Butylbenzene	1.046	0.983	6.0	100	0.00	6.96
98		a-Methyl styrene	0.000	0.000	0.0	88	0.00	7.02
99		1,2,4-Trimethylbenzene	1.888	1.831	3.0	100	0.00	7.01
100		Pentachloroethane	0.301	0.339	-12.6	106	0.00	6.97
101		sec-Butylbenzene	2.193	1.964	10.4	92	0.00	7.10
102		4-Isopropyltoluene	1.788	1.692	5.4	95	0.00	7.21
103		1,3-Dichlorobenzene	1.092	1.030	5.7	99	0.00	7.25
104		1,2,3-Trimethylbenzene	1.938	1.838	5.2	98	0.00	7.34
105		1,4-Dichlorobenzene	1.165	1.089	6.5	100	0.00	7.32
			Amount	Calc.	%Drift			
106		n-Butylbenzene	40.000	37.526	6.2	104	0.00	7.53
107		Benzyl Chloride	40.000	37.366	6.6	89	0.00	7.50
			AvgRF	CCRF	%Dev			
108		1,2-Dichlorobenzene	1.009	0.973	3.6	98	0.00	7.63
			Amount	Calc.	%Drift			
109		1,2-Dibromo-3-Chloropropa	40.000	39.332	1.7	105	0.00	8.18
110		Hexachlorobutadiene	40.000	38.003	5.0	101	0.00	8.66
111		1,2,4-Trichlorobenzene	40.000	37.010	7.5	101	0.00	8.66
112		Naphthalene	40.000	36.178	9.6	98	0.00	8.86
113		1,2,3-Trichlorobenzene	40.000	38.010	5.0	102	0.00	8.99

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2P104194.D V2P_2024-2-07.M Tue Feb 13 10:29:05 2024

Continuing Calibration Summary

Job Number: FC14007
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3991-CC3959
Lab FileID: 2P104765.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\2024-3-14\2P104765.D Vial: 2
Acq On : 14 Mar 2024 8:57 am Operator: lianatr
Sample : CC3959-5 Inst : MSVOA13-P
Misc : MS56090,V2P3991,,,,, Multiplr: 1.00
MS Integration Params: small.p

Method : C:\msdchem\1\MET...\V2P_2024-2-07.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Tue Feb 13 10:27:22 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	97	0.00	3.70
2	Dichlorodifluoromethane	0.176	0.178	-1.1	92	0.00	1.12
		Amount	Calc.	%Drift			
3 P	Chloromethane	40.000	42.319	-5.8	98	0.00	1.24
		AvgRF	CCRF	%Dev			
4	1,3-butadiene	0.244	0.234	4.1	91	0.00	1.32
5 C	Vinyl Chloride	0.226	0.228	-0.9	97	0.00	1.30
		Amount	Calc.	%Drift			
6	Bromomethane	40.000	39.884	0.3	95	0.00	1.50
7	Chloroethane	40.000	48.585	-21.5#	114	0.00	1.57
		AvgRF	CCRF	%Dev			
8	Trichlorofluoromethane	0.317	0.324	-2.2	103	0.00	1.67
9	Ethyl Ether	0.191	0.206	-7.9	106	0.00	1.87
10	Ethanol	0.004	0.005	-25.0#	119	0.02	1.98
11	1,2-Dichlorotrifluoroetha	0.205	0.235	-14.6	113	0.00	1.96
12 C	1,1-Dichloroethene	0.277	0.309	-11.6	106	0.00	1.97
		Amount	Calc.	%Drift			
13	Freon 113	40.000	41.614	-4.0	98	0.00	2.00
		AvgRF	CCRF	%Dev			
14	Carbon Disulfide	0.523	0.607	-16.1	113	0.00	1.99
		Amount	Calc.	%Drift			
15	Iodomethane	40.000	42.012	-5.0	98	0.00	2.05
		AvgRF	CCRF	%Dev			
16	Acrolein	0.062	0.069	-11.3	102	0.00	2.14
17	Allyl chloride	0.277	0.323	-16.6	110	0.00	2.23
		Amount	Calc.	%Drift			
18	Methylene Chloride	40.000	47.849	-19.6	116	0.00	2.29
		AvgRF	CCRF	%Dev			
19	Acetone	0.106	0.141	-33.0#	120	0.00	2.30
20	Methyl acetate	0.269	0.311	-15.6	110	0.00	2.38
21	trans-1,2-Dichloroethene	0.275	0.296	-7.6	106	0.00	2.39

Continuing Calibration Summary

Job Number: FC14007
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3991-CC3959
Lab FileID: 2P104765.D

			Amount	Calc.	%Drift			
22		Hexane	40.000	44.525	-11.3	110	0.00	2.45
			AvgRF	CCRF	%Dev			
23		Methyl Tert Butyl Ether	0.646	0.694	-7.4	103	0.00	2.45
			Amount	Calc.	%Drift			
24		Tert Butyl Alcohol	400.000	432.887	-8.2	102	0.00	2.50
			AvgRF	CCRF	%Dev			
25		Acetonitrile	0.048	0.056	-16.7	114	0.00	2.54
26		Di-isopropyl ether	0.669	0.752	-12.4	109	0.00	2.66
27		Chloroprene	0.891	1.114	-25.0#	112	0.00	2.71
28	P	1,1-Dichloroethane	0.382	0.396	-3.7	103	0.00	2.71
29		Acrylonitrile	0.113	0.145	-28.3#	113	0.00	2.71
30		ETBE	0.670	0.727	-8.5	103	0.00	2.86
			Amount	Calc.	%Drift			
31		Vinyl acetate	200.000	229.435	-14.7	113	0.00	2.84
			AvgRF	CCRF	%Dev			
32		cis-1,2-Dichloroethene	0.218	0.218	0.0	102	0.00	3.00
33		2,2-Dichloropropane	0.271	0.294	-8.5	104	0.00	3.07
			Amount	Calc.	%Drift			
34		Bromochloromethane	40.000	39.161	2.1	92	0.00	3.11
			AvgRF	CCRF	%Dev			
35		Cyclohexane	0.339	0.405	-19.5	112	0.00	3.14
36	C	Chloroform	0.359	0.374	-4.2	102	0.00	3.14
			Amount	Calc.	%Drift			
37		Ethyl acetate	200.000	233.334	-16.7	115	0.00	3.21
38		Tetrahydrofuran	40.000	48.158	-20.4#	115	0.00	3.24
			AvgRF	CCRF	%Dev			
39	S	Dibromofluoromethane	0.219	0.215	1.8	94	0.00	3.24
			Amount	Calc.	%Drift			
40		Carbon Tetrachloride	40.000	41.588	-4.0	104	0.00	3.24
41		1,1,1-Trichloroethane	40.000	41.500	-3.8	100	0.00	3.27
			AvgRF	CCRF	%Dev			
42		2-Butanone	0.174	0.223	-28.2#	108	0.00	3.30
43		1,1-Dichloropropene	0.253	0.278	-9.9	103	0.00	3.34
44		tert-Butyl formate	0.180	0.193	-7.2	100	0.00	3.39
			Amount	Calc.	%Drift			
45		Propionitrile	400.000	453.026	-13.3	109	0.00	3.44
			AvgRF	CCRF	%Dev			
46		Methacrylonitrile	0.183	0.226	-23.5#	109	0.00	3.46
47		Benzene	0.860	0.910	-5.8	105	0.00	3.47
48		TAME	0.618	0.667	-7.9	102	0.00	3.54
49	S	1,2-Dichloroethane-d4	0.272	0.281	-3.3	101	0.00	3.53
			Amount	Calc.	%Drift			
50		Isobutyl alcohol	800.000	874.135	-9.3	106	0.00	3.58
			AvgRF	CCRF	%Dev			

Continuing Calibration Summary

Job Number: FC14007
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3991-CC3959
Lab FileID: 2P104765.D

51		1,2-Dichloroethane	0.288	0.299	-3.8	104	0.00	3.57
52		Tert Amyl Alcohol	0.049	0.058	-18.4	104	0.00	3.64
			Amount	Calc.	%Drift			
53		Trichloroethene	40.000	40.741	-1.9	100	0.00	3.80
			AvgRF	CCRF	%Dev			
54		Methylcyclohexane	0.301	0.338	-12.3	103	0.00	3.82
55		Dibromomethane	0.112	0.115	-2.7	96	0.00	4.03
56	C	1,2-Dichloropropane	0.195	0.215	-10.3	107	0.00	4.09
57		Bromodichloromethane	0.234	0.264	-12.8	103	0.00	4.12
			Amount	Calc.	%Drift			
58		Methyl methacrylate	40.000	44.323	-10.8	110	0.00	4.21
59		1,4-Dioxane	800.000	857.696	-7.2	102	0.00	4.25
60		2-Chloroethyl vinyl ether	200.000	159.939	20.0#	83	0.00	4.45
61		cis-1,3-Dichloropropene	40.000	41.966	-4.9	102	0.00	4.50
			AvgRF	CCRF	%Dev			
62	I	Chlorobenzene-d5	1.000	1.000	0.0	95	0.00	5.62
63	S	Toluene-d8	1.386	1.426	-2.9	99	0.00	4.62
64	C	Toluene	1.290	1.334	-3.4	102	0.00	4.66
			Amount	Calc.	%Drift			
65		2-Nitropropane	200.000	224.629	-12.3	107	0.00	4.75
66		4-Methyl-2-pentanone	200.000	225.107	-12.6	101	0.00	4.86
67		trans-1,3-Dichloropropene	40.000	42.481	-6.2	104	0.00	4.90
			AvgRF	CCRF	%Dev			
68		Tetrachloroethene	0.333	0.300	9.9	85	0.00	4.91
			Amount	Calc.	%Drift			
69		Ethyl methacrylate	40.000	42.524	-6.3	101	0.00	5.01
			AvgRF	CCRF	%Dev			
70		1,1,2-Trichloroethane	0.222	0.237	-6.8	100	0.00	5.00
			Amount	Calc.	%Drift			
71		Dibromochloromethane	40.000	39.391	1.5	93	0.00	5.12
			AvgRF	CCRF	%Dev			
72		1,3-Dichloropropane	0.455	0.481	-5.7	99	0.00	5.17
73		1,2-Dibromoethane	0.261	0.281	-7.7	94	0.00	5.27
			Amount	Calc.	%Drift			
74		3,3-dimethyl-1-butanol	2000.000	2026.897	-1.3	99	0.00	5.40
75		2-hexanone	200.000	224.041	-12.0	101	0.00	5.40
76		1-Chlorohexane	40.000	38.461	3.8	99	0.00	5.62
			AvgRF	CCRF	%Dev			
77	C	Ethylbenzene	1.361	1.465	-7.6	102	0.00	5.65
78	P	Chlorobenzene	0.814	0.810	0.5	100	0.00	5.63
79		1,1,1,2-Tetrachloroethane	0.250	0.260	-4.0	96	0.00	5.67
80		m,p-Xylene	1.049	1.134	-8.1	102	0.00	5.75
81		o-Xylene	1.093	1.133	-3.7	99	0.00	6.05
			Amount	Calc.	%Drift			
82		Styrene	40.000	41.243	-3.1	99	0.00	6.08
83	P	Bromoform	40.000	36.264	9.3	88	0.00	6.09

Continuing Calibration Summary

Job Number: FC14007
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3991-CC3959
Lab FileID: 2P104765.D

			AvgRF	CCRF	%Dev			
84		Isopropylbenzene	1.270	1.325	-4.3	99	0.00	6.28
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	91	0.00	7.31
86	S	4-Bromofluorobenzene	0.871	0.810	7.0	84	0.00	6.47
			Amount	Calc.	%Drift			
87		cis-1,4-Dichloro-2-butene	40.000	51.437	-28.6#	117	0.00	6.50
			AvgRF	CCRF	%Dev			
88		n-Propylbenzene	2.830	3.163	-11.8	103	0.00	6.58
			Amount	Calc.	%Drift			
89		Bromobenzene	40.000	38.329	4.2	86	0.00	6.54
			AvgRF	CCRF	%Dev			
90	P	1,1,2,2-Tetrachloroethane	0.791	0.922	-16.6	100	0.00	6.60
91		1,3,5-Trimethylbenzene	1.962	2.171	-10.7	100	0.00	6.73
92		2-Chlorotoluene	1.657	1.856	-12.0	99	0.00	6.68
			Amount	Calc.	%Drift			
93		trans-1,4-Dichloro-2-Bute	40.000	48.547	-21.4#	117	0.00	6.73
			AvgRF	CCRF	%Dev			
94		1,2,3-Trichloropropane	0.277	0.296	-6.9	94	0.00	6.69
			Amount	Calc.	%Drift			
95		Cyclohexanone	200.000	233.066	-16.5	107	0.00	6.72
			AvgRF	CCRF	%Dev			
96		4-Chlorotoluene	1.759	1.957	-11.3	100	0.00	6.80
97		tert-Butylbenzene	1.046	1.152	-10.1	102	0.00	6.96
98		a-Methyl styrene	0.000	0.000	0.0	97	0.00	7.01
99		1,2,4-Trimethylbenzene	1.888	2.050	-8.6	98	0.00	7.01
100		Pentachloroethane	0.301	0.325	-8.0	88	0.00	6.97
101		sec-Butylbenzene	2.193	2.479	-13.0	101	0.00	7.10
102		4-Isopropyltoluene	1.788	1.989	-11.2	97	0.00	7.21
103		1,3-Dichlorobenzene	1.092	1.088	0.4	91	0.00	7.25
104		1,2,3-Trimethylbenzene	1.938	2.102	-8.5	98	0.00	7.34
105		1,4-Dichlorobenzene	1.165	1.135	2.6	90	0.00	7.32
			Amount	Calc.	%Drift			
106		n-Butylbenzene	40.000	45.865	-14.7	110	0.00	7.53
107		Benzyl Chloride	40.000	44.226	-10.6	95	0.00	7.49
			AvgRF	CCRF	%Dev			
108		1,2-Dichlorobenzene	1.009	1.004	0.5	88	0.00	7.63
			Amount	Calc.	%Drift			
109		1,2-Dibromo-3-Chloropropa	40.000	41.447	-3.6	96	0.00	8.18
110		Hexachlorobutadiene	40.000	38.610	3.5	89	0.00	8.66
111		1,2,4-Trichlorobenzene	40.000	36.424	8.9	86	0.00	8.66
112		Naphthalene	40.000	36.158	9.6	85	0.00	8.86
113		1,2,3-Trichlorobenzene	40.000	34.459	13.9	81	0.00	8.98

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2P104194.D V2P_2024-2-07.M Thu Mar 14 11:24:37 2024

Run Sequence Report

Job Number: FC14007
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Run ID: V1O2972	**Method:** SW846 8260D	**Instrument ID:** GCMS1O

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V1O2972-BFB	1O82551.D	03/07/24 08:01	n/a	BFB Tune
V1O2972-IC2972	1O82552.D	03/07/24 08:26	n/a	Initial cal 1
V1O2972-IC2972	1O82553.D	03/07/24 08:52	n/a	Initial cal 8
V1O2972-IC2972	1O82554.D	03/07/24 09:17	n/a	Initial cal 2
V1O2972-IC2972	1O82555.D	03/07/24 09:42	n/a	Initial cal 3
V1O2972-IC2972	1O82556.D	03/07/24 10:08	n/a	Initial cal 4
V1O2972-ICC2972	1O82557.D	03/07/24 10:33	n/a	Initial cal 5
V1O2972-IC2972	1O82558.D	03/07/24 10:58	n/a	Initial cal 6
V1O2972-IC2972	1O82559.D	03/07/24 11:24	n/a	Initial cal 7
V1O2972-ICV2972	1O82561.D	03/07/24 12:21	n/a	Initial cal verification 5
V1O2972-ICV2972	1O82562.D	03/07/24 13:14	n/a	Initial cal verification 4

Run Sequence Report

Job Number: FC14007
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Run ID: V1O2976 **Method:** SW846 8260D **Instrument ID:** GCMS1O

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V1O2976-BFB	1O82621.D	03/14/24 07:27	n/a	BFB Tune
V1O2976-CC2972	1O82622.D	03/14/24 07:52	n/a	Continuing cal 4
V1O2976-BS	1O82623.D	03/14/24 08:18	n/a	Blank Spike
V1O2976-MB	1O82625.D	03/14/24 09:08	n/a	Method Blank
FC14007-6	1O82626.D	03/14/24 09:37	n/a	789MW-222_0324
ZZZZZZ	1O82627.D	03/14/24 10:02	n/a	(unrelated sample)
ZZZZZZ	1O82628.D	03/14/24 10:28	n/a	(unrelated sample)
ZZZZZZ	1O82629.D	03/14/24 10:53	n/a	(unrelated sample)
ZZZZZZ	1O82630.D	03/14/24 11:19	n/a	(unrelated sample)
ZZZZZZ	1O82631.D	03/14/24 11:44	n/a	(unrelated sample)
ZZZZZZ	1O82632.D	03/14/24 12:09	n/a	(unrelated sample)
ZZZZZZ	1O82633.D	03/14/24 12:35	n/a	(unrelated sample)
ZZZZZZ	1O82634.D	03/14/24 13:00	n/a	(unrelated sample)
ZZZZZZ	1O82635.D	03/14/24 13:25	n/a	(unrelated sample)
ZZZZZZ	1O82636.D	03/14/24 13:51	n/a	(unrelated sample)
ZZZZZZ	1O82637.D	03/14/24 14:16	n/a	(unrelated sample)
ZZZZZZ	1O82638.D	03/14/24 14:42	n/a	(unrelated sample)
FC14007-1	1O82639.D	03/14/24 15:07	n/a	789MW-83_0324
FC14007-2	1O82640.D	03/14/24 15:32	n/a	789MW-98_0324
FC14007-3	1O82641.D	03/14/24 15:58	n/a	789MW-99_0324
FC14007-4	1O82642.D	03/14/24 16:23	n/a	789MW-99_0324-A
FC14007-5	1O82643.D	03/14/24 16:48	n/a	789MW-216_0324
FC14007-7	1O82644.D	03/14/24 17:14	n/a	789MW-251_0324
FC14007-8	1O82645.D	03/14/24 17:39	n/a	789SW-02_0324
FC14007-6MS	1O82646.D	03/14/24 18:04	n/a	Matrix Spike
FC14007-6MSD	1O82647.D	03/14/24 18:30	n/a	Matrix Spike Duplicate
V1O2976-ECC2972	1O82648.D	03/14/24 18:55	n/a	Ending cal 4

Run Sequence Report

Job Number: FC14007
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Run ID: V1O2977 **Method:** SW846 8260D **Instrument ID:** GCMS1O

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V1O2977-BFB	1O82649.D	03/15/24 07:26	n/a	BFB Tune
V1O2977-CC2972	1O82650.D	03/15/24 07:51	n/a	Continuing cal 4
V1O2977-BS	1O82651.D	03/15/24 08:30	n/a	Blank Spike
V1O2977-MB	1O82653.D	03/15/24 09:21	n/a	Method Blank
FC14048-1	1O82654.D	03/15/24 09:50	n/a	(used for QC only; not part of job FC14007)
FC14007-11	1O82655.D	03/15/24 10:16	n/a	789-TB01_0324-C
ZZZZZZ	1O82656.D	03/15/24 10:41	n/a	(unrelated sample)
ZZZZZZ	1O82657.D	03/15/24 11:07	n/a	(unrelated sample)
ZZZZZZ	1O82658.D	03/15/24 11:32	n/a	(unrelated sample)
ZZZZZZ	1O82659.D	03/15/24 11:57	n/a	(unrelated sample)
ZZZZZZ	1O82660.D	03/15/24 12:23	n/a	(unrelated sample)
FC14007-3	1O82661.D	03/15/24 12:48	n/a	789MW-99_0324
FC14007-9	1O82662.D	03/15/24 13:13	n/a	789SW-03_0324
FC14007-10	1O82663.D	03/15/24 13:39	n/a	789SW-04_0324
FC14007-12	1O82664.D	03/15/24 14:04	n/a	789-AB01_0324-D
ZZZZZZ	1O82665.D	03/15/24 14:30	n/a	(unrelated sample)
ZZZZZZ	1O82666.D	03/15/24 14:55	n/a	(unrelated sample)
ZZZZZZ	1O82667.D	03/15/24 15:20	n/a	(unrelated sample)
ZZZZZZ	1O82668.D	03/15/24 15:46	n/a	(unrelated sample)
ZZZZZZ	1O82669.D	03/15/24 16:11	n/a	(unrelated sample)
ZZZZZZ	1O82670.D	03/15/24 16:37	n/a	(unrelated sample)
ZZZZZZ	1O82671.D	03/15/24 17:02	n/a	(unrelated sample)
ZZZZZZ	1O82672.D	03/15/24 17:27	n/a	(unrelated sample)
FC14007-2	1O82673.D	03/15/24 17:53	n/a	789MW-98_0324
FC14048-1MS	1O82674.D	03/15/24 18:18	n/a	Matrix Spike
FC14048-1MSD	1O82675.D	03/15/24 18:43	n/a	Matrix Spike Duplicate
V1O2977-ECC2972	1O82676.D	03/15/24 19:09	n/a	Ending cal 4

Run Sequence Report

Job Number: FC14007
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Run ID: V2P3959 **Method:** SW846 8260D **Instrument ID:** GCMS2P

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V2P3959-BFB	2P104188.D	02/07/24 08:30	n/a	BFB Tune
V2P3959-IC3959	2P104189.D	02/07/24 08:55	n/a	Initial cal 1
V2P3959-IC3959	2P104190.D	02/07/24 09:21	n/a	Initial cal 8
V2P3959-IC3959	2P104191.D	02/07/24 09:46	n/a	Initial cal 2
V2P3959-IC3959	2P104192.D	02/07/24 10:12	n/a	Initial cal 3
V2P3959-IC3959	2P104193.D	02/07/24 10:38	n/a	Initial cal 4
V2P3959-ICC3959	2P104194.D	02/07/24 11:03	n/a	Initial cal 5
V2P3959-IC3959	2P104195.D	02/07/24 11:29	n/a	Initial cal 6
V2P3959-IC3959	2P104196.D	02/07/24 11:55	n/a	Initial cal 7
V2P3959-ICV3959	2P104198.D	02/07/24 14:40	n/a	Initial cal verification 5

Run Sequence Report

Job Number: FC14007
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Run ID: V2P3991 **Method:** SW846 8260D **Instrument ID:** GCMS2P

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V2P3991-BFB	2P104764.D	03/14/24 08:27	n/a	BFB Tune
V2P3991-CC3959	2P104765.D	03/14/24 08:57	n/a	Continuing cal 5
V2P3991-BS	2P104766.D	03/14/24 09:27	n/a	Blank Spike
V2P3991-MB	2P104768.D	03/14/24 10:18	n/a	Method Blank
FC14007-9	2P104770.D	03/14/24 11:10	n/a	789SW-03_0324
FC14007-10	2P104771.D	03/14/24 11:35	n/a	789SW-04_0324
FC14007-11	2P104772.D	03/14/24 12:01	n/a	789-TB01_0324-C
FC14007-12	2P104773.D	03/14/24 12:26	n/a	789-AB01_0324-D
ZZZZZZ	2P104774.D	03/14/24 12:52	n/a	(unrelated sample)
ZZZZZZ	2P104775.D	03/14/24 13:17	n/a	(unrelated sample)
ZZZZZZ	2P104776.D	03/14/24 13:43	n/a	(unrelated sample)
ZZZZZZ	2P104777.D	03/14/24 14:08	n/a	(unrelated sample)
ZZZZZZ	2P104778.D	03/14/24 14:34	n/a	(unrelated sample)
ZZZZZZ	2P104779.D	03/14/24 14:59	n/a	(unrelated sample)
ZZZZZZ	2P104780.D	03/14/24 15:25	n/a	(unrelated sample)
ZZZZZZ	2P104781.D	03/14/24 15:51	n/a	(unrelated sample)
ZZZZZZ	2P104782.D	03/14/24 16:16	n/a	(unrelated sample)
ZZZZZZ	2P104783.D	03/14/24 16:42	n/a	(unrelated sample)
ZZZZZZ	2P104784.D	03/14/24 17:07	n/a	(unrelated sample)
ZZZZZZ	2P104785.D	03/14/24 17:33	n/a	(unrelated sample)
ZZZZZZ	2P104786.D	03/14/24 17:58	n/a	(unrelated sample)
ZZZZZZ	2P104787.D	03/14/24 18:24	n/a	(unrelated sample)
FC14007-9MS	2P104788.D	03/14/24 18:49	n/a	Matrix Spike

MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\V1O2976\
Data File : 1O82639.d
Acq On : 14 Mar 2024 3:07 pm
Operator : jeniferw
Sample : FC14007-1 Inst : MSVOA12
Misc : MS56094,V1O2976,,,,,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 15 09:08:07 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\method\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration

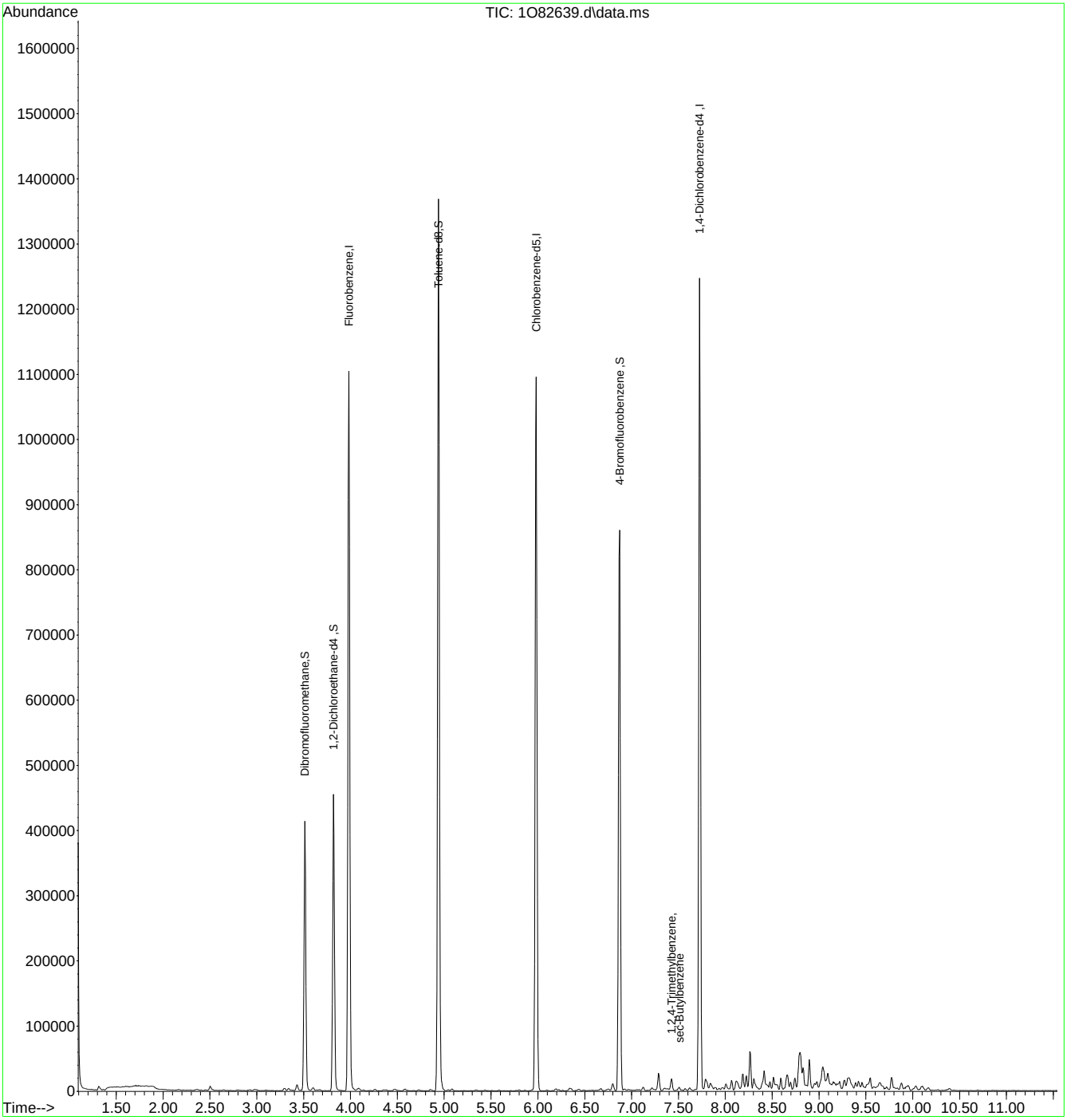
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.983	96	679669	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.982	117	456729	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.726	152	238027	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.513	113	171642	49.59	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.18%			
50) 1,2-Dichloroethane-d4	3.818	65	226992	51.63	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 103.26%			
63) Toluene-d8	4.940	98	669879	50.01	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.02%			
86) 4-Bromofluorobenzene	6.872	174	168742	49.89	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.78%			
Target Compounds						Qvalue
99) 1,2,4-Trimethylbenzene	7.427	105	7653	0.7687	ug/L	99
101) sec-Butylbenzene	7.512	105	2629	0.2297	ug/L	84

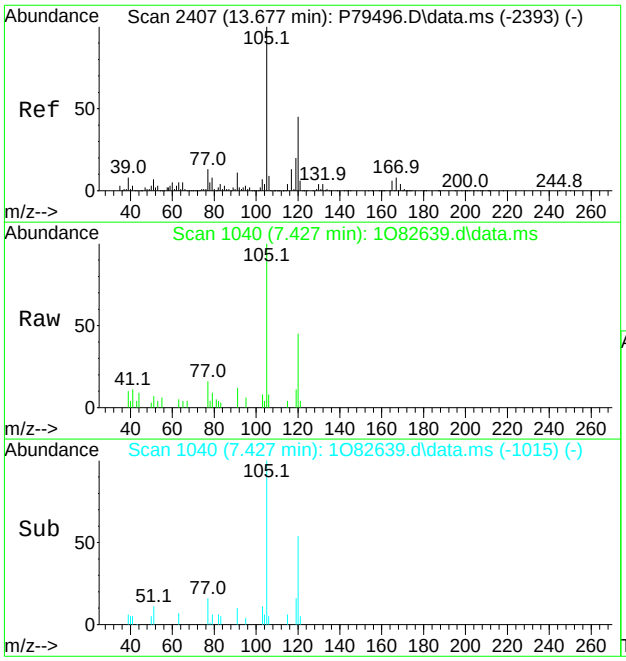
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\V1O2976\
Data File : 1O82639.d
Acq On : 14 Mar 2024 3:07 pm
Operator : jeniferw
Sample : FC14007-1 Inst : MSVOA12
Misc : MS56094,V1O2976,,,,,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 15 09:08:07 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\method\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration

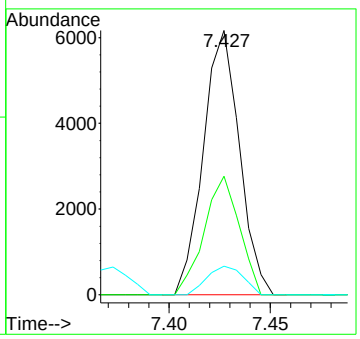


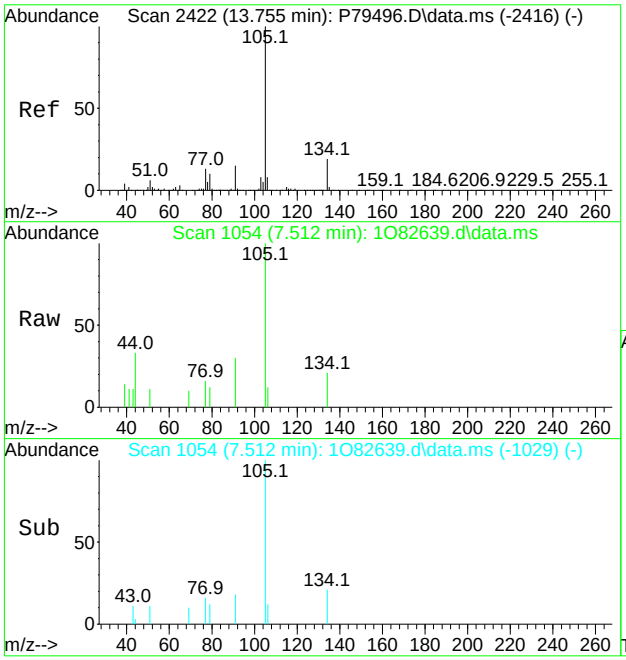


#99
1,2,4-Trimethylbenzene
Concen: 0.7687 ug/L
RT: 7.427 min Scan# 1040
Delta R.T. 0.000 min
Lab File: 1O82639.d
Acq: 14 Mar 2024 3:07 pm

Tgt Ion:105 Resp: 7653

Ion	Ratio	Lower	Upper
105	100		
120	44.9	14.2	74.2
119	10.9	0.0	41.4

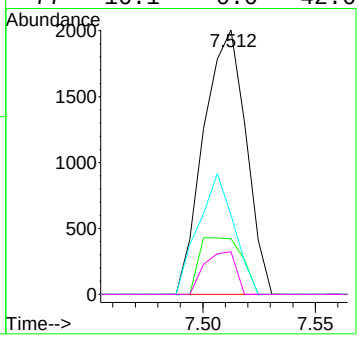




#101
sec-Butylbenzene
Concen: 0.2297 ug/L
RT: 7.512 min Scan# 1054
Delta R.T. 0.000 min
Lab File: 1O82639.d
Acq: 14 Mar 2024 3:07 pm

Tgt Ion:105 Resp: 2629

Ion	Ratio	Lower	Upper
105	100		
134	21.0	0.0	48.7
91	30.0	0.0	46.0
77	16.1	0.0	42.6



Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
03/18/24 08:14

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\V1O2976\
Data File : 1O82640.d
Acq On : 14 Mar 2024 3:32 pm
Operator : jeniferw
Sample : FC14007-2 Inst : MSVOA12
Misc : MS56094,V1O2976,,,,,2.5
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 15 09:14:25 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\method\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration

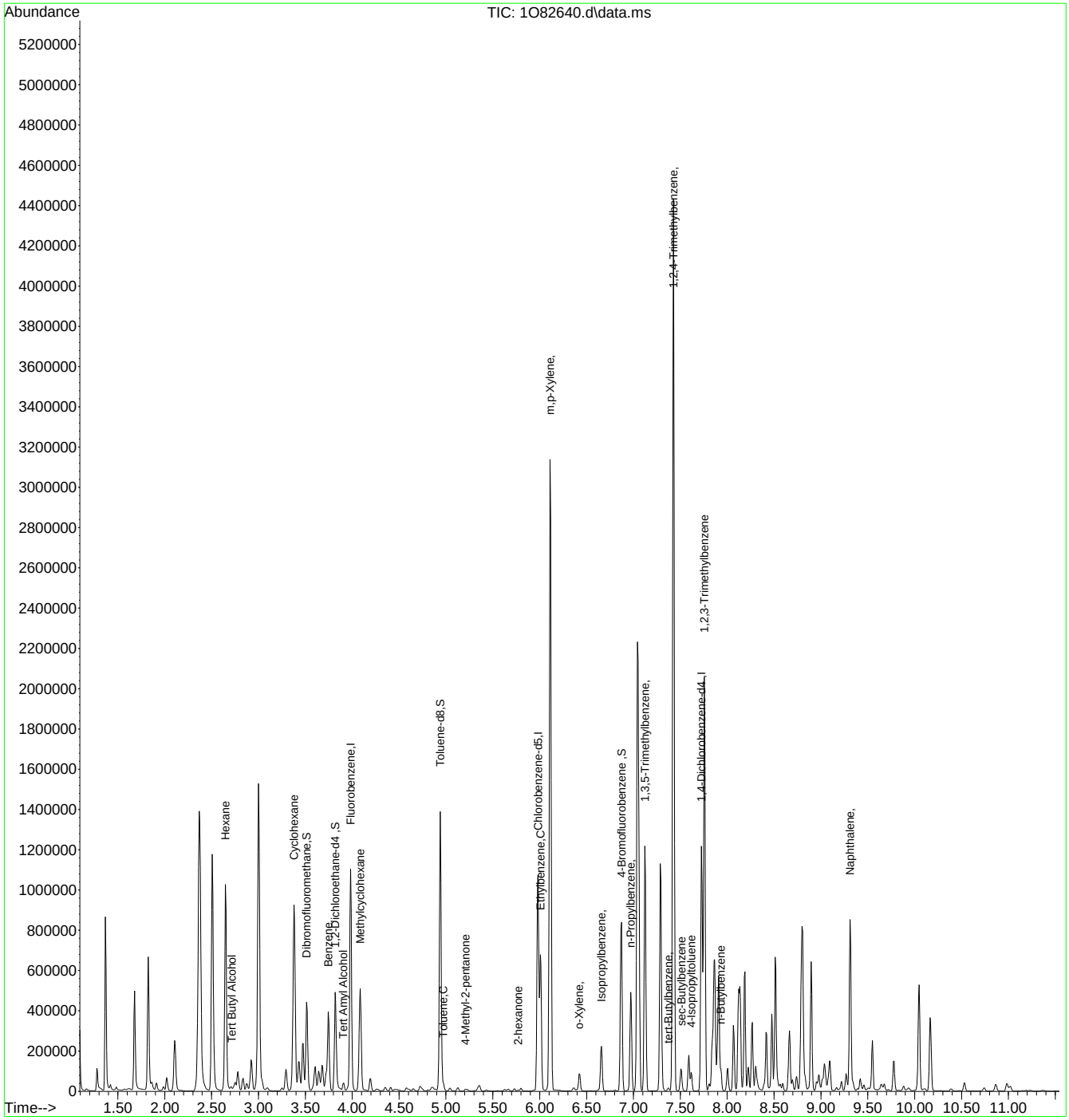
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.983	96	669063	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.982	117	455908	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.726	152	232434	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.513	113	167721	49.23	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.46%			
50) 1,2-Dichloroethane-d4	3.818	65	224880	51.96	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 103.92%			
63) Toluene-d8	4.940	98	669258	50.06	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.12%			
86) 4-Bromofluorobenzene	6.872	174	168597	51.04	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.08%			
Target Compounds						Qvalue
22) Hexane	2.647	56	193886	80.7862	ug/L #	85
24) Tert Butyl Alcohol	2.715	59	2208	2.4565	ug/L	69
35) Cyclohexane	3.379	56	352021	66.1000	ug/L #	86
47) Benzene	3.745	78	228195	20.4981	ug/L	79
52) Tert Amyl Alcohol	3.903	59	9122	12.1444	ug/L	90
54) Methylcyclohexane	4.086	83	146064	34.1608	ug/L	94
64) Toluene	4.970	91	6278	0.5382	ug/L	97
66) 4-Methyl-2-pentanone	5.208	43	8485	1.8266	ug/L	95
75) 2-hexanone	5.769	43	2595	0.5290	ug/L	88
77) Ethylbenzene	6.007	91	383064	30.2241	ug/L	98
80) m,p-Xylene	6.110	91	1451557	143.9914	ug/L	98
81) o-Xylene	6.421	91	41365	3.9317	ug/L	96
84) Isopropylbenzene	6.659	105	117796	10.0074	ug/L	99
88) n-Propylbenzene	6.970	91	317964	22.9589	ug/L	98
91) 1,3,5-Trimethylbenzene	7.122	105	540667	55.7488	ug/L	99
97) tert-Butylbenzene	7.372	91	4112	0.7604	ug/L	91
99) 1,2,4-Trimethylbenzene	7.427	105	1918849	197.3770	ug/L	99
101) sec-Butylbenzene	7.512	105	48169	4.3095	ug/L	80
102) 4-Isopropyltoluene	7.616	119	29848	3.1677	ug/L	97
104) 1,2,3-Trimethylbenzene	7.756	105	892141	88.9988	ug/L	99
106) n-Butylbenzene	7.933	92	23488m	4.4557	ug/L	
112) Naphthalene	9.311	128	426571	33.9665	ug/L	100

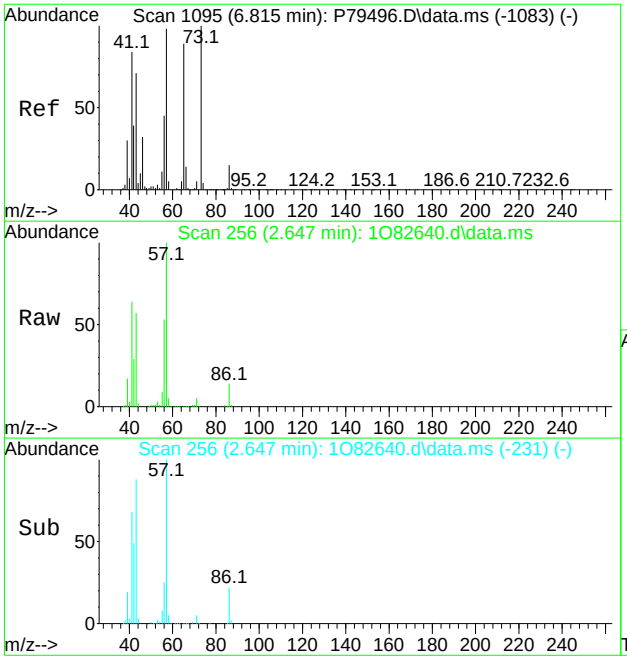
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\V1O2976\
Data File : 1O82640.d
Acq On : 14 Mar 2024 3:32 pm
Operator : jeniferw
Sample : FC14007-2 Inst : MSVOA12
Misc : MS56094,V1O2976,,,,,2.5
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 15 09:14:25 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\method\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration

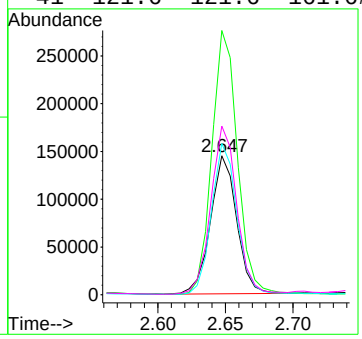


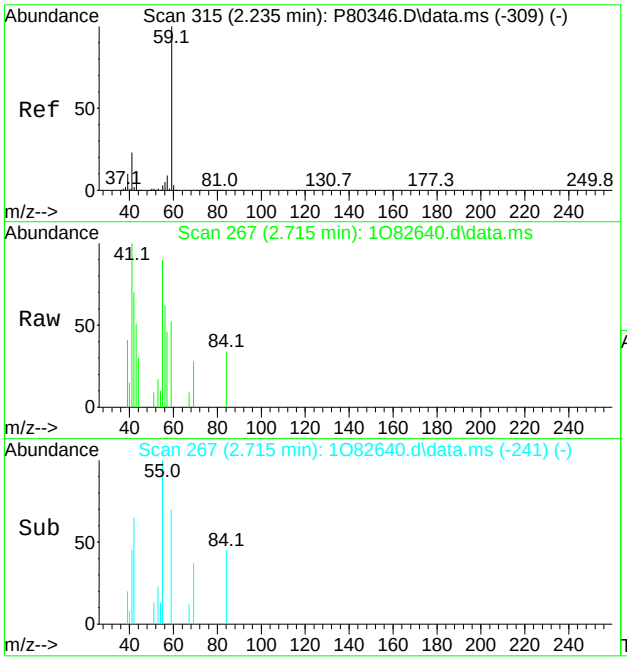


#22
Hexane
Concen: 80.7862 ug/L
RT: 2.647 min Scan# 256
Delta R.T. 0.000 min
Lab File: 1O82640.d
Acq: 14 Mar 2024 3:32 pm

Tgt Ion: 56 Resp: 193886

Ion	Ratio	Lower	Upper
56	100		
57	190.6	195.9	235.9#
43	108.9	104.6	144.6
41	121.6	121.6	161.6#

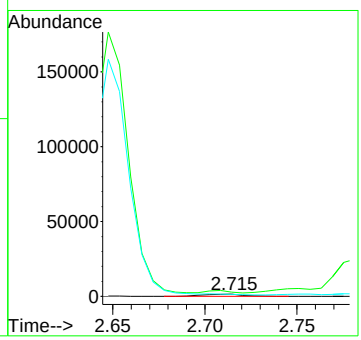


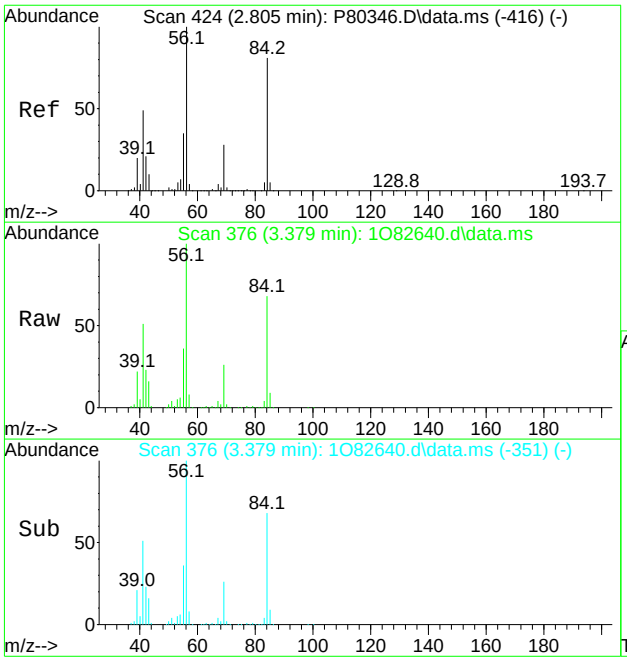


#24
Tert Butyl Alcohol
Concen: 2.4565 ug/L
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: 1O82640.d
Acq: 14 Mar 2024 3:32 pm

Tgt Ion: 59 Resp: 2208

Ion	Ratio	Lower	Upper
59	100		
41	0.0	0.0	35.0
43	2.3	0.0	32.4

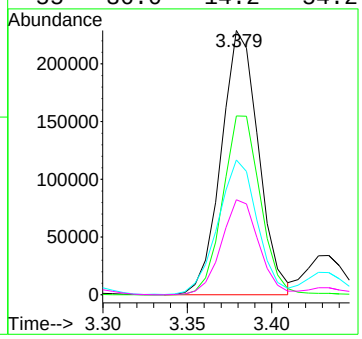


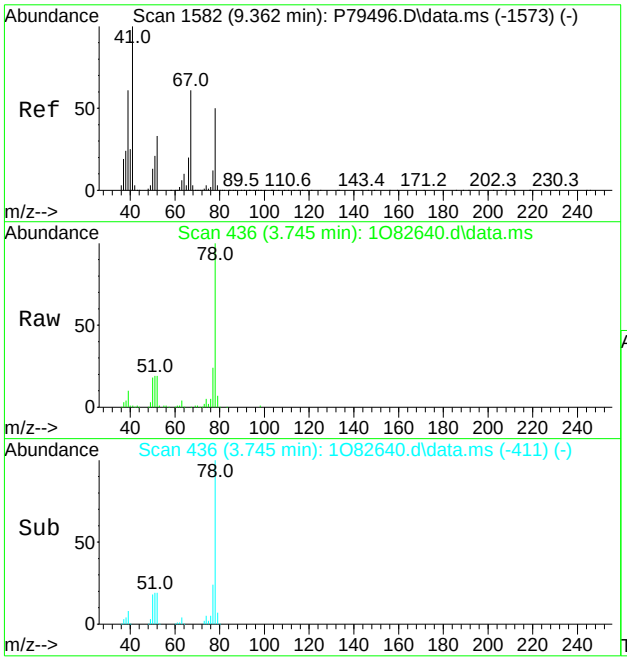


#35
Cyclohexane
Concen: 66.1000 ug/L
RT: 3.379 min Scan# 376
Delta R.T. 0.000 min
Lab File: 1O82640.d
Acq: 14 Mar 2024 3:32 pm

Tgt Ion: 56 Resp: 352021

Ion	Ratio	Lower	Upper
56	100		
84	67.7	51.9	91.9
41	50.9	4.6	44.6#
55	36.0	14.2	54.2

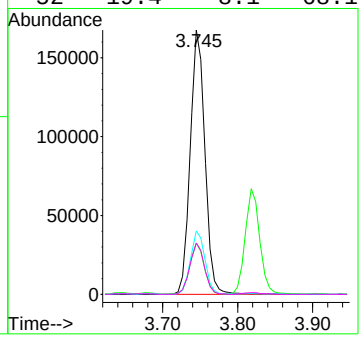


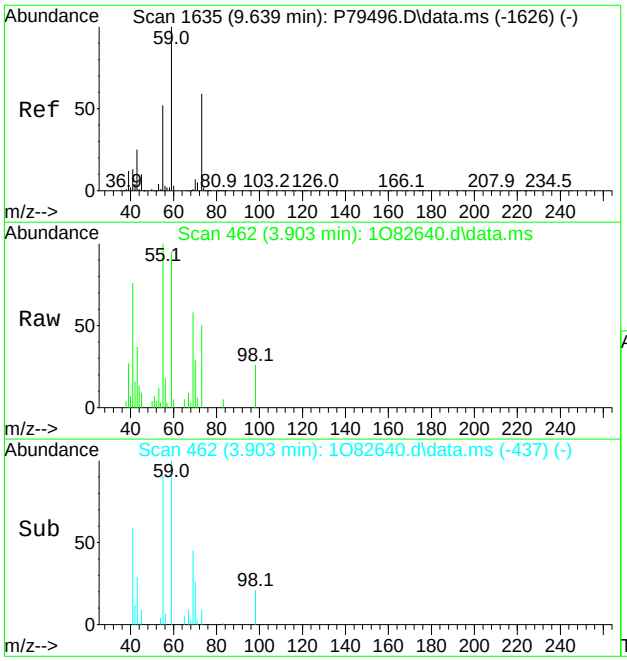


#47
Benzene
Concen: 20.4981 ug/L
RT: 3.745 min Scan# 436
Delta R.T. 0.000 min
Lab File: 1O82640.d
Acq: 14 Mar 2024 3:32 pm

Tgt Ion: 78 Resp: 228195

Ion	Ratio	Lower	Upper
78	100		
51	19.4	1.5	61.5
77	23.9	0.0	53.0
52	19.4	8.1	68.1

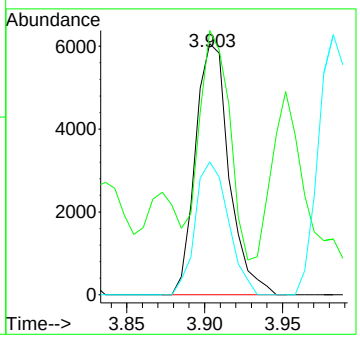


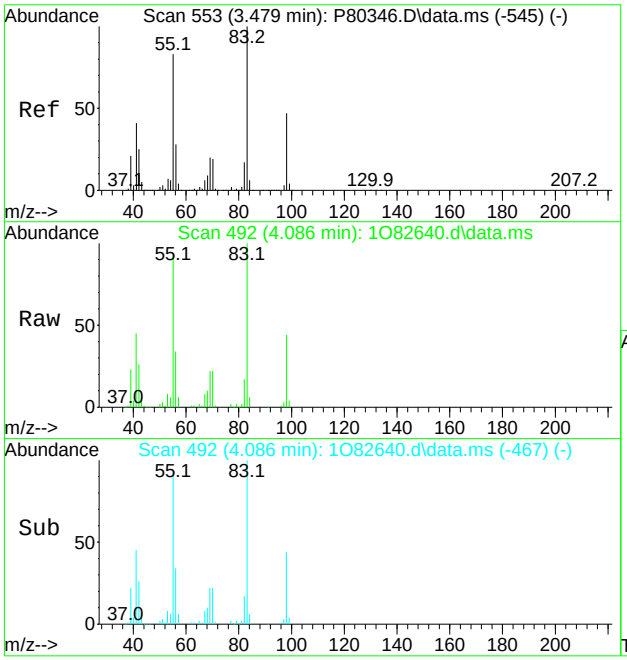


#52
Tert Amyl Alcohol
Concen: 12.1444 ug/L
RT: 3.903 min Scan# 462
Delta R.T. 0.000 min
Lab File: 1O82640.d
Acq: 14 Mar 2024 3:32 pm

Tgt Ion: 59 Resp: 9122

Ion	Ratio	Lower	Upper
59	100		
55	64.4	20.1	80.1
73	52.9	22.7	82.7

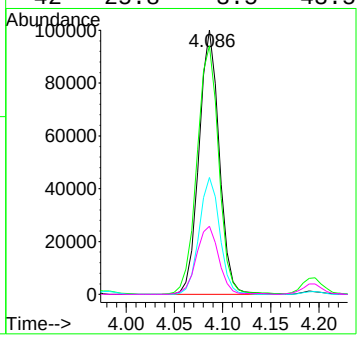


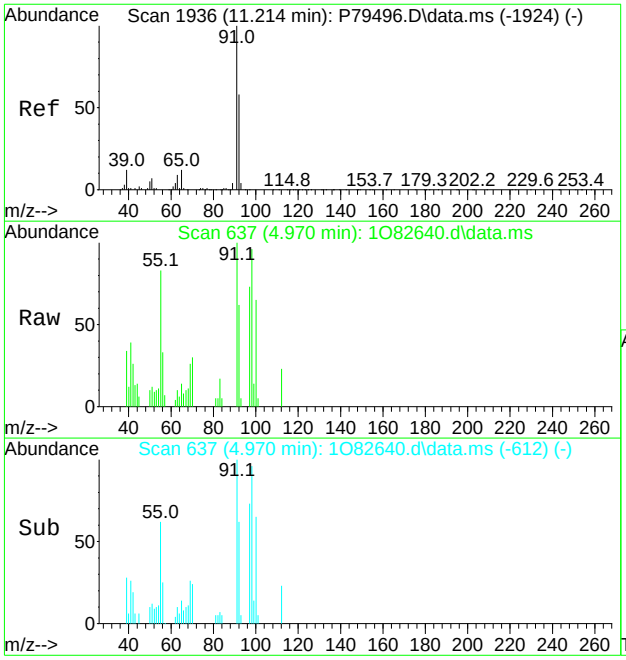


#54
Methylcyclohexane
Concen: 34.1608 ug/L
RT: 4.086 min Scan# 492
Delta R.T. 0.000 min
Lab File: 1O82640.d
Acq: 14 Mar 2024 3:32 pm

Tgt Ion: 83 Resp: 146064

Ion	Ratio	Lower	Upper
83	100		
55	94.0	66.3	106.3
98	44.2	25.3	65.3
42	25.8	3.5	43.5

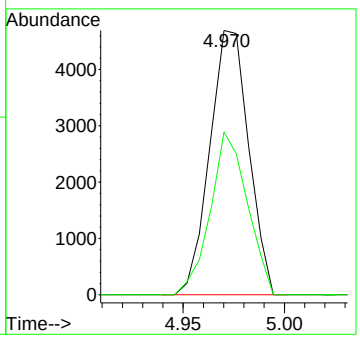


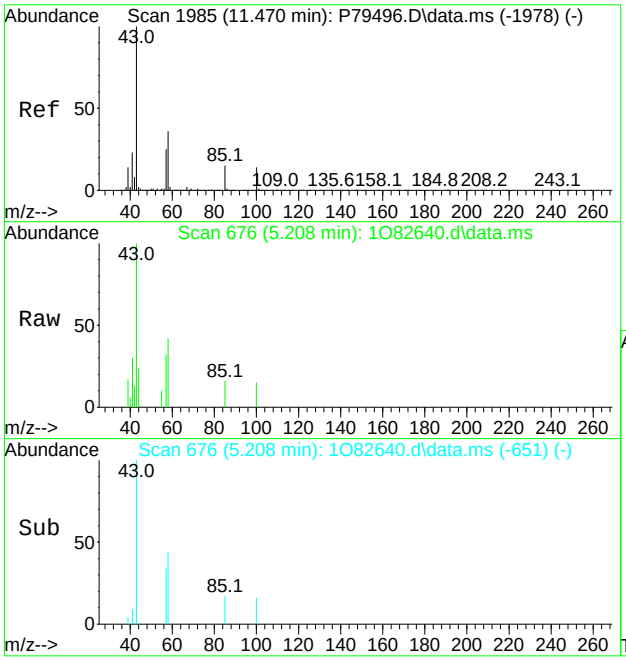


#64
Toluene
Concen: 0.5382 ug/L
RT: 4.970 min Scan# 637
Delta R.T. 0.000 min
Lab File: 1O82640.d
Acq: 14 Mar 2024 3:32 pm

Tgt Ion: 91 Resp: 6278

Ion	Ratio	Lower	Upper
91	100		
92	61.6	29.0	89.0

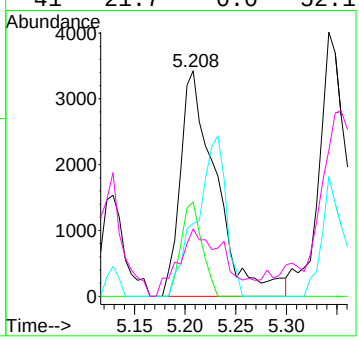


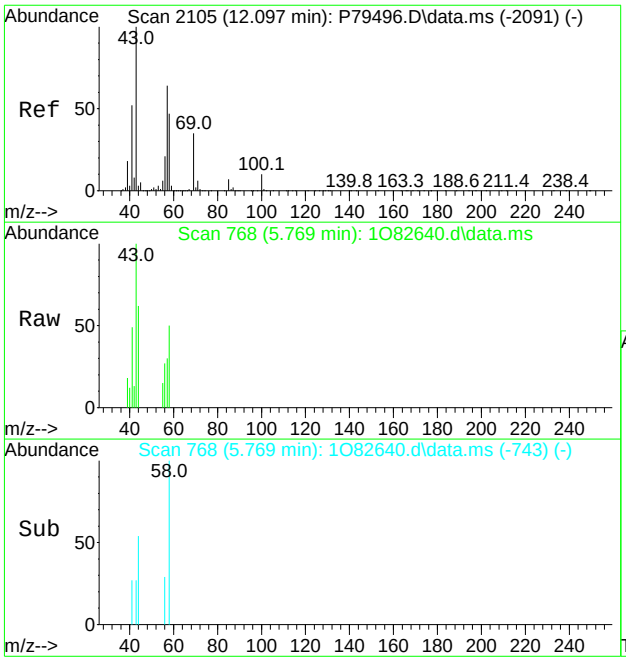


#66
4-Methyl-2-pentanone
Concen: 1.8266 ug/L
RT: 5.208 min Scan# 676
Delta R.T. -0.000 min
Lab File: 1O82640.d
Acq: 14 Mar 2024 3:32 pm

Tgt Ion: 43 Resp: 8485

Ion	Ratio	Lower	Upper
43	100		
58	41.8	16.2	76.2
57	32.3	0.0	58.9
41	21.7	0.0	52.1

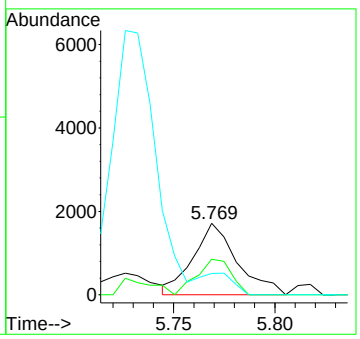


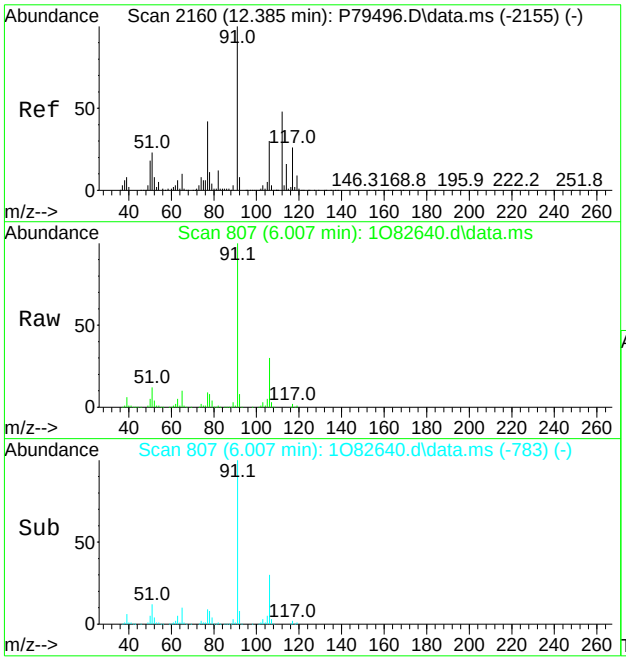


#75
2-hexanone
Concen: 0.5290 ug/L
RT: 5.769 min Scan# 768
Delta R.T. 0.000 min
Lab File: 1O82640.d
Acq: 14 Mar 2024 3:32 pm

Tgt Ion: 43 Resp: 2595

Ion	Ratio	Lower	Upper
43	100		
58	49.9	33.9	93.9
57	29.7	0.3	60.3

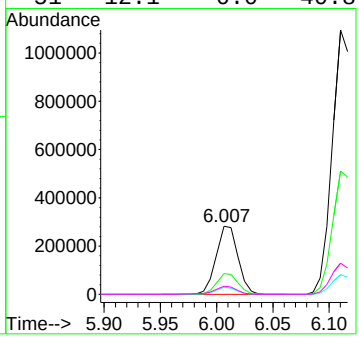


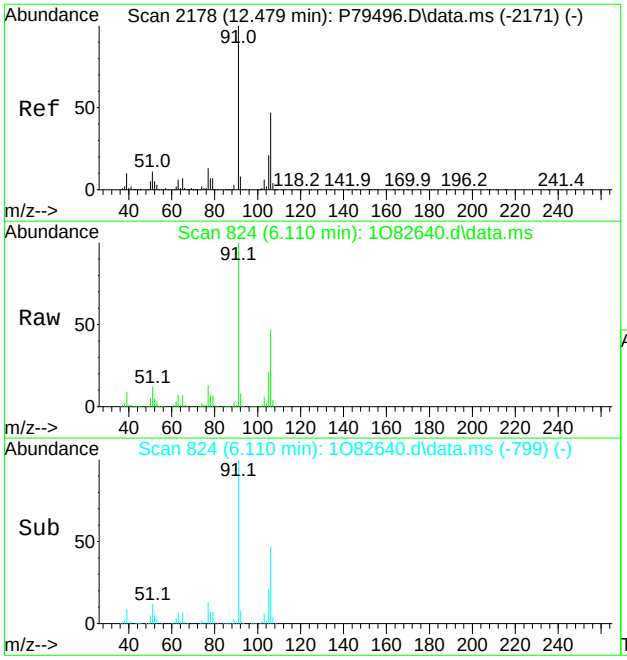


#77
Ethylbenzene
Concen: 30.2241 ug/L
RT: 6.007 min Scan# 807
Delta R.T. -0.006 min
Lab File: 1O82640.d
Acq: 14 Mar 2024 3:32 pm

Tgt Ion: 91 Resp: 383064

Ion	Ratio	Lower	Upper
91	100		
106	30.4	0.0	59.8
65	10.3	0.0	39.2
51	12.1	0.0	40.8

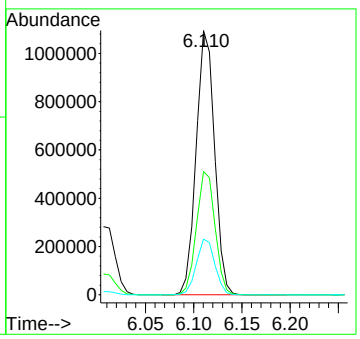


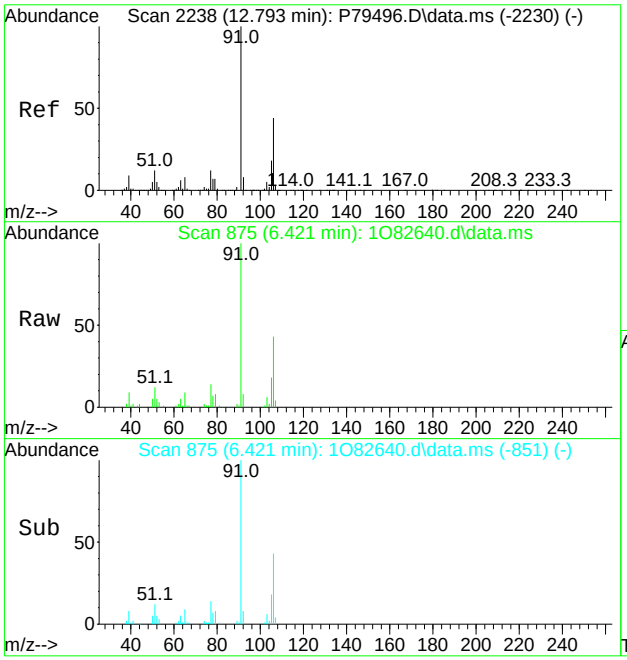


#80
m,p-Xylene
Concen: 143.9914 ug/L
RT: 6.110 min Scan# 824
Delta R.T. 0.000 min
Lab File: 1O82640.d
Acq: 14 Mar 2024 3:32 pm

Tgt Ion: 91 Resp: 1451557

Ion	Ratio	Lower	Upper
91	100		
106	46.7	17.8	77.8
105	21.2	0.0	52.0

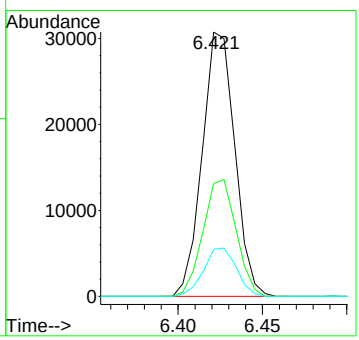


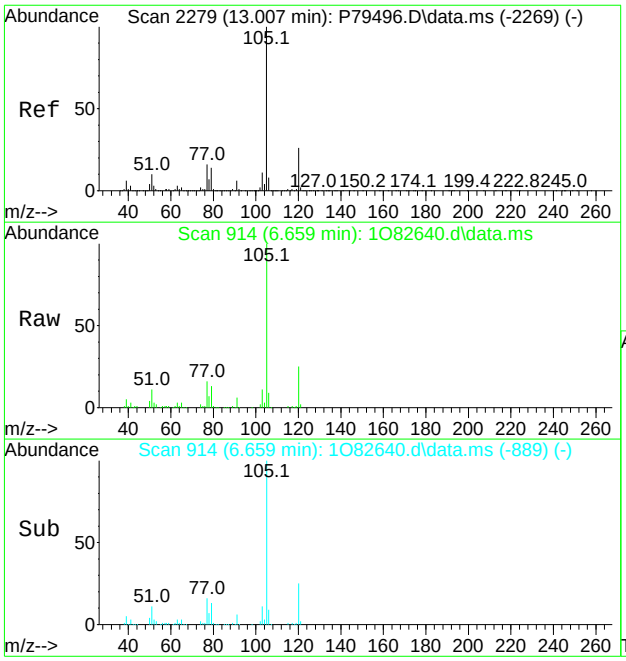


#81
o-Xylene
Concen: 3.9317 ug/L
RT: 6.421 min Scan# 875
Delta R.T. -0.006 min
Lab File: 1O82640.d
Acq: 14 Mar 2024 3:32 pm

Tgt Ion: 91 Resp: 41365

Ion	Ratio	Lower	Upper
91	100		
106	42.7	16.4	76.4
105	17.9	0.0	48.4

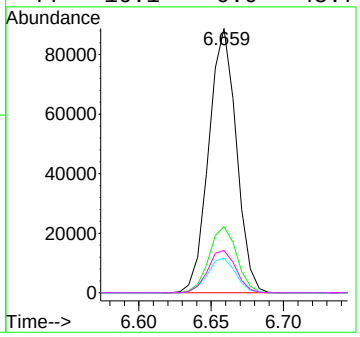


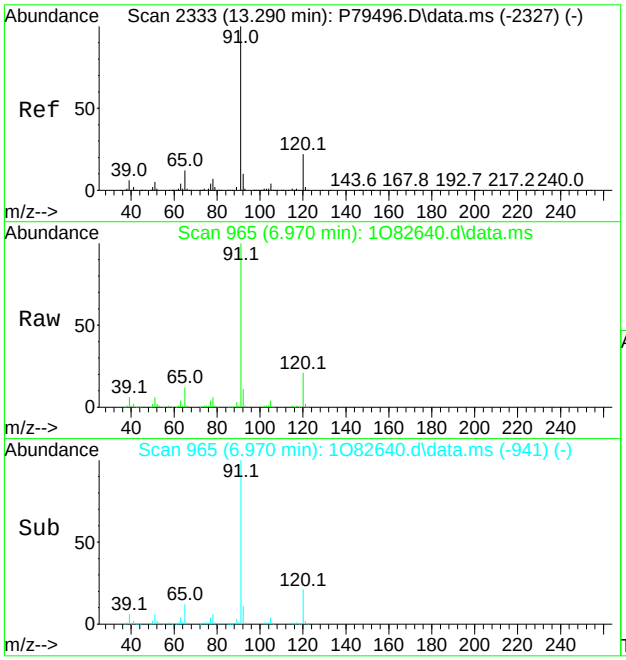


#84
Isopropylbenzene
Concen: 10.0074 ug/L
RT: 6.659 min Scan# 914
Delta R.T. -0.000 min
Lab File: 1O82640.d
Acq: 14 Mar 2024 3:32 pm

Tgt Ion:105 Resp: 117796

Ion	Ratio	Lower	Upper
105	100		
120	25.0	0.0	55.3
79	13.2	0.0	43.4
77	16.1	0.0	45.7

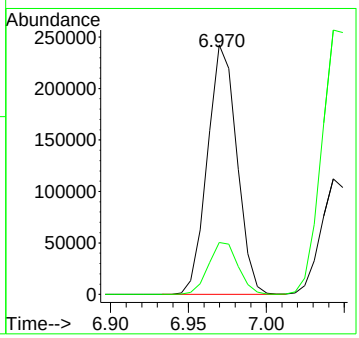


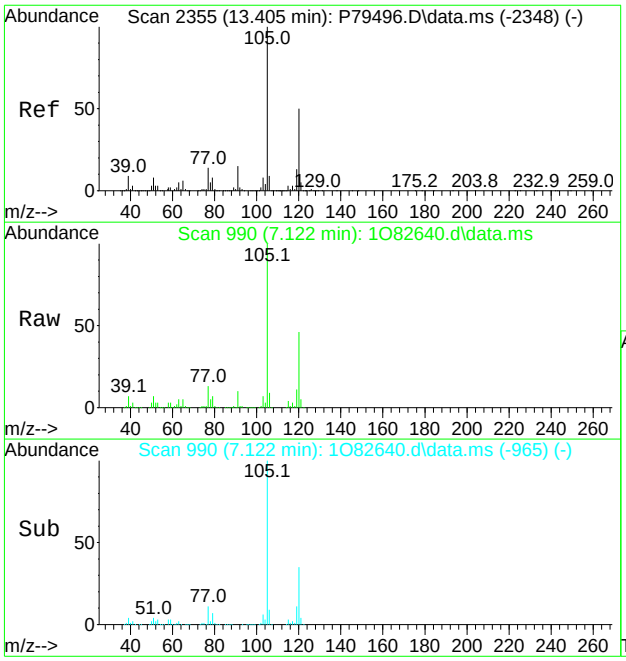


#88
n-Propylbenzene
Concen: 22.9589 ug/L
RT: 6.970 min Scan# 965
Delta R.T. -0.006 min
Lab File: 1O82640.d
Acq: 14 Mar 2024 3:32 pm

Tgt Ion: 91 Resp: 317964

Ion	Ratio	Lower	Upper
91	100		
120	20.8	0.0	51.8

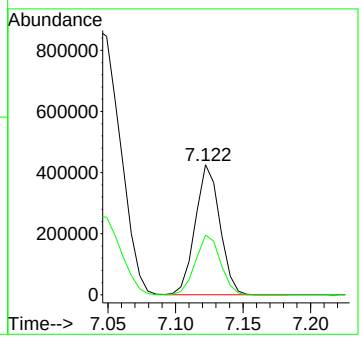


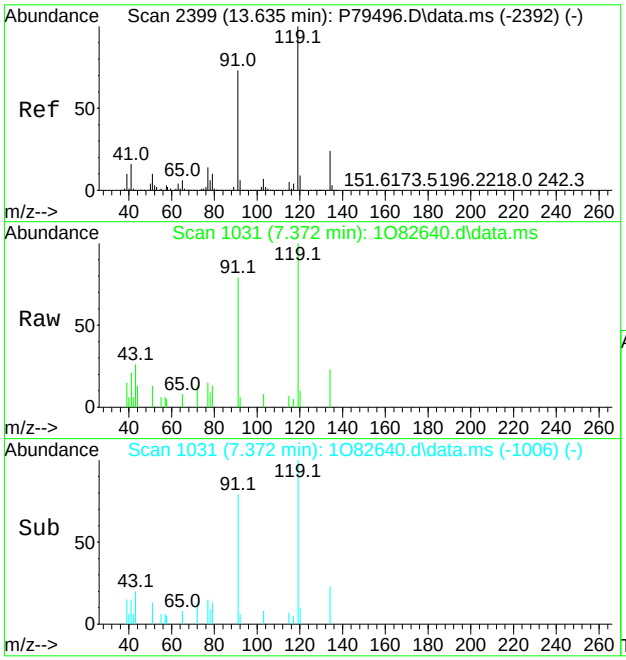


#91
1,3,5-Trimethylbenzene
Concen: 55.7488 ug/L
RT: 7.122 min Scan# 990
Delta R.T. 0.000 min
Lab File: 1O82640.d
Acq: 14 Mar 2024 3:32 pm

Tgt Ion:105 Resp: 540667

Ion	Ratio	Lower	Upper
105	100		
120	46.0	16.8	76.8

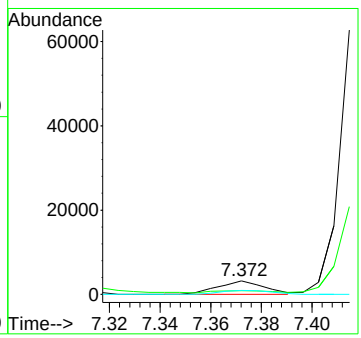


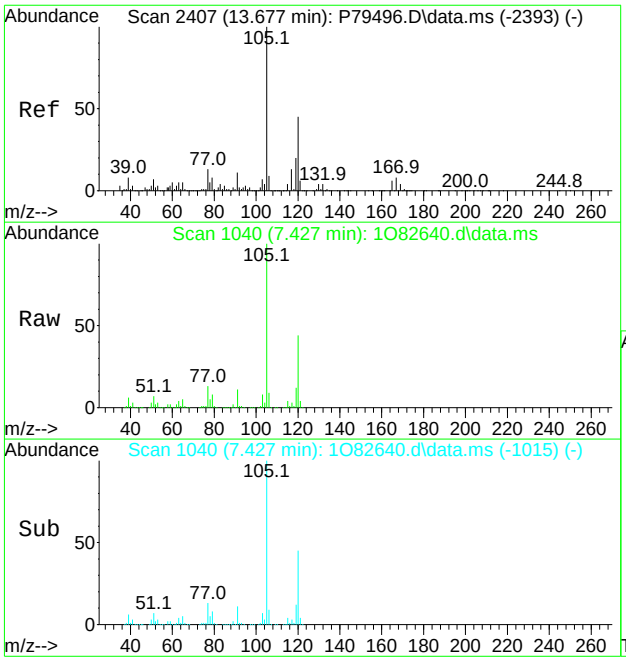


#97
tert-Butylbenzene
Concen: 0.7604 ug/L
RT: 7.372 min Scan# 1031
Delta R.T. 0.000 min
Lab File: 1O82640.d
Acq: 14 Mar 2024 3:32 pm

Tgt Ion: 91 Resp: 4112

Ion	Ratio	Lower	Upper
91	100		
41	12.4	0.0	50.0
134	29.3	2.1	62.1

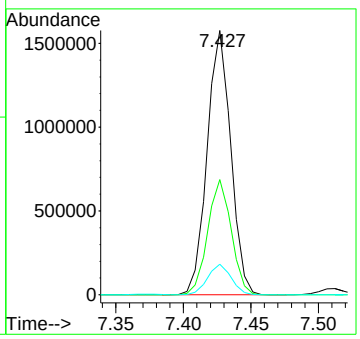


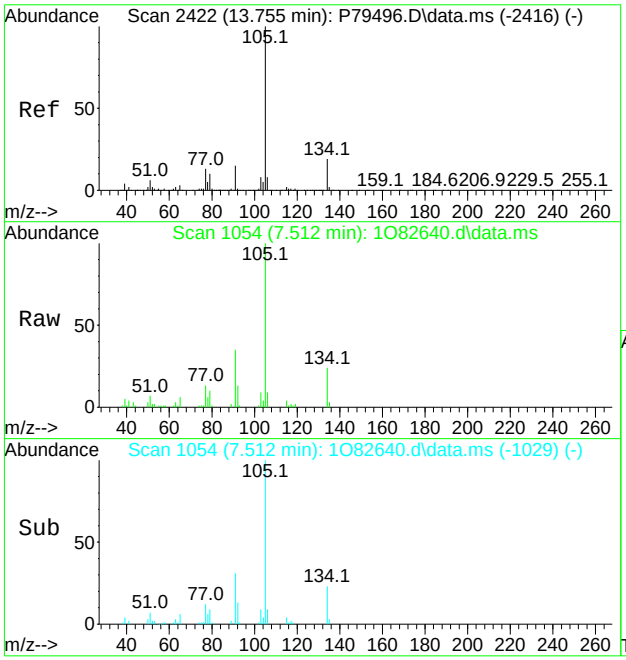


#99
1,2,4-Trimethylbenzene
Concen: 197.3770 ug/L
RT: 7.427 min Scan# 1040
Delta R.T. 0.000 min
Lab File: 1O82640.d
Acq: 14 Mar 2024 3:32 pm

Tgt Ion:105 Resp: 1918849

Ion	Ratio	Lower	Upper
105	100		
120	43.6	14.2	74.2
119	11.6	0.0	41.4

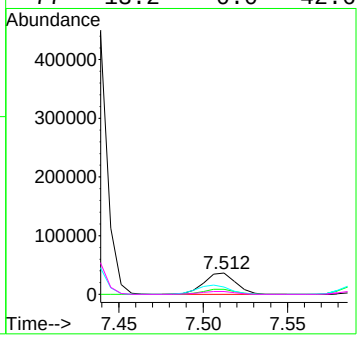


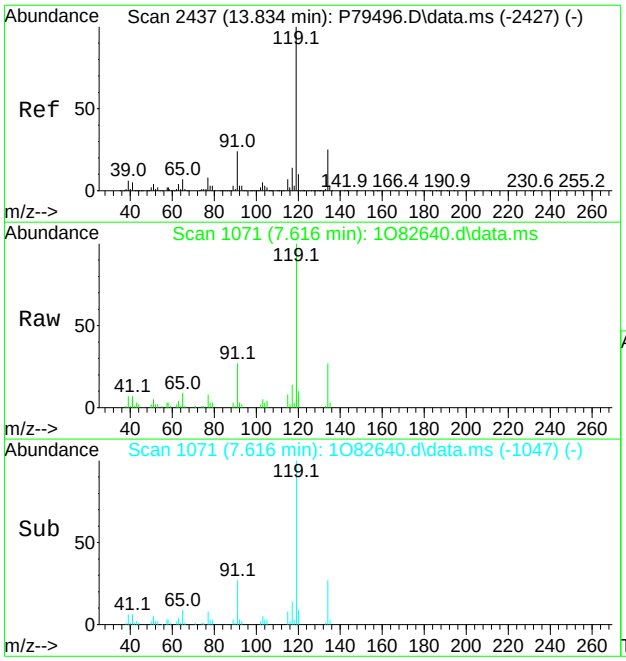


#101
sec-Butylbenzene
Concen: 4.3095 ug/L
RT: 7.512 min Scan# 1054
Delta R.T. 0.000 min
Lab File: 1O82640.d
Acq: 14 Mar 2024 3:32 pm

Tgt Ion:105 Resp: 48169

Ion	Ratio	Lower	Upper
105	100		
134	23.9	0.0	48.7
91	35.0	0.0	46.0
77	13.2	0.0	42.6

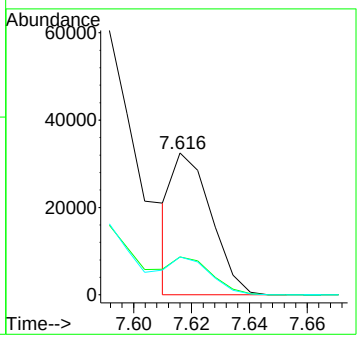


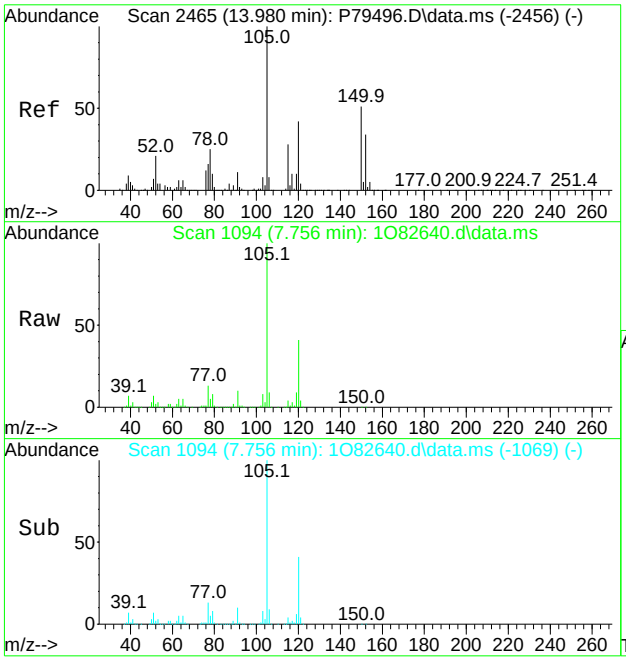


#102
4-Isopropyltoluene
Concen: 3.1677 ug/L
RT: 7.616 min Scan# 1071
Delta R.T. -0.006 min
Lab File: 1O82640.d
Acq: 14 Mar 2024 3:32 pm

Tgt Ion:119 Resp: 29848

Ion	Ratio	Lower	Upper
119	100		
134	26.7	0.0	55.4
91	26.8	0.0	55.0

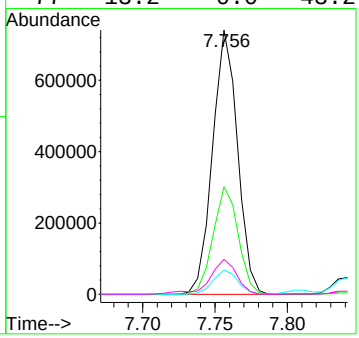


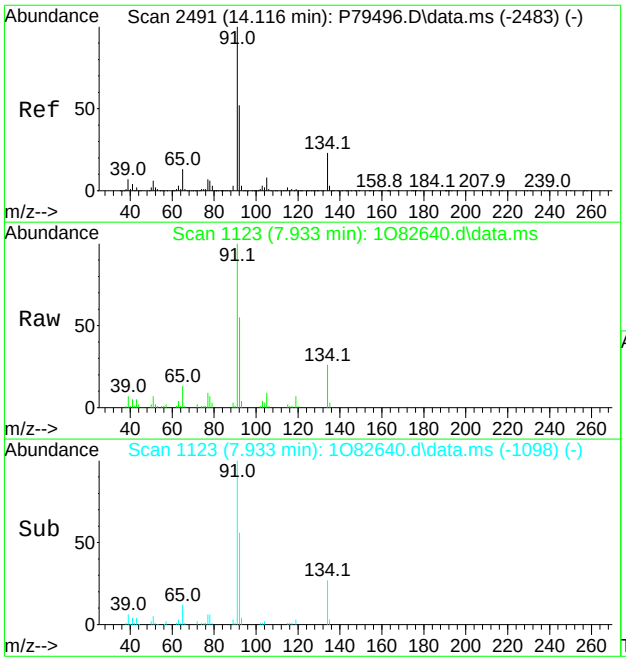


#104
1,2,3-Trimethylbenzene
Concen: 88.9988 ug/L
RT: 7.756 min Scan# 1094
Delta R.T. 0.000 min
Lab File: 1O82640.d
Acq: 14 Mar 2024 3:32 pm

Tgt Ion:105 Resp: 892141

Ion	Ratio	Lower	Upper
105	100		
120	40.7	10.0	70.0
119	9.3	0.0	39.0
77	13.2	0.0	43.2

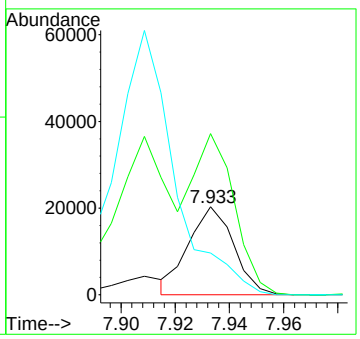


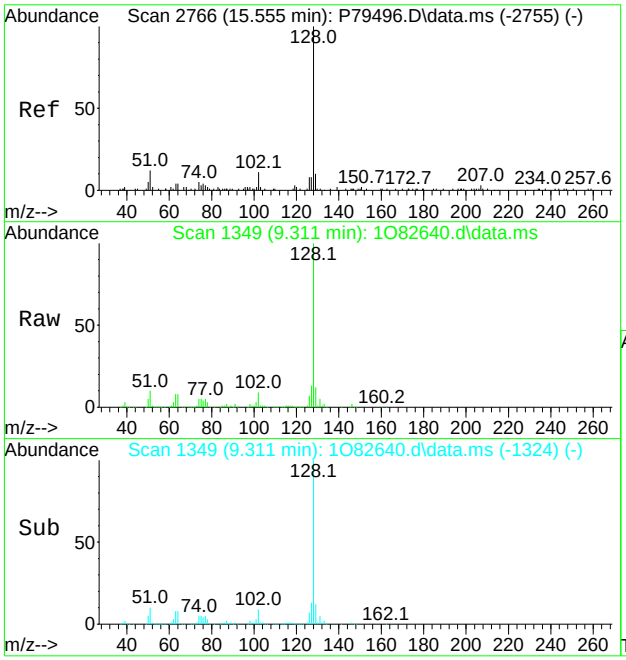


#106
n-Butylbenzene
Concen: 4.4557 ug/L m
RT: 7.933 min Scan# 1123
Delta R.T. 0.000 min
Lab File: 1O82640.d
Acq: 14 Mar 2024 3:32 pm

Tgt Ion: 92 Resp: 23488

Ion	Ratio	Lower	Upper
92	100		
91	183.1	203.7	263.7#
134	47.5	10.7	70.7

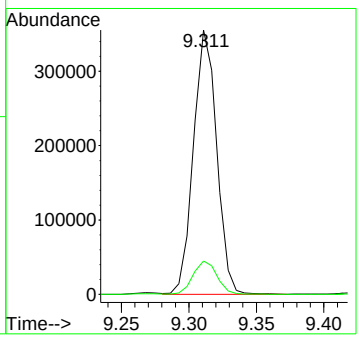




#112
Naphthalene
Concen: 33.9665 ug/L
RT: 9.311 min Scan# 1349
Delta R.T. 0.000 min
Lab File: 1O82640.d
Acq: 14 Mar 2024 3:32 pm

Tgt Ion:128 Resp: 426571

Ion	Ratio	Lower	Upper
128	100		
127	12.6	0.0	42.8



Manual Integration Approval Summary

Sample Number:	FC14007-2	**Method:**	SW846 8260D
Lab FileID:	1O82640.D	**Analyst approved:**	03/15/24 06:09 Lotus Acosta
Injection Time:	03/14/24 15:32	**Supervisor approved:**	03/18/24 08:14 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
n-Butylbenzene	104-51-8		7.93	Overlapping peak

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-15-2024\
Data File : 1O82673.D
Acq On : 15 Mar 2024 5:53 pm
Operator : jeniferw
Sample : FC14007-2 Inst : MSVOA12
Misc : MS56102,V1O2977,,,,,10
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Mar 17 14:01:56 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration

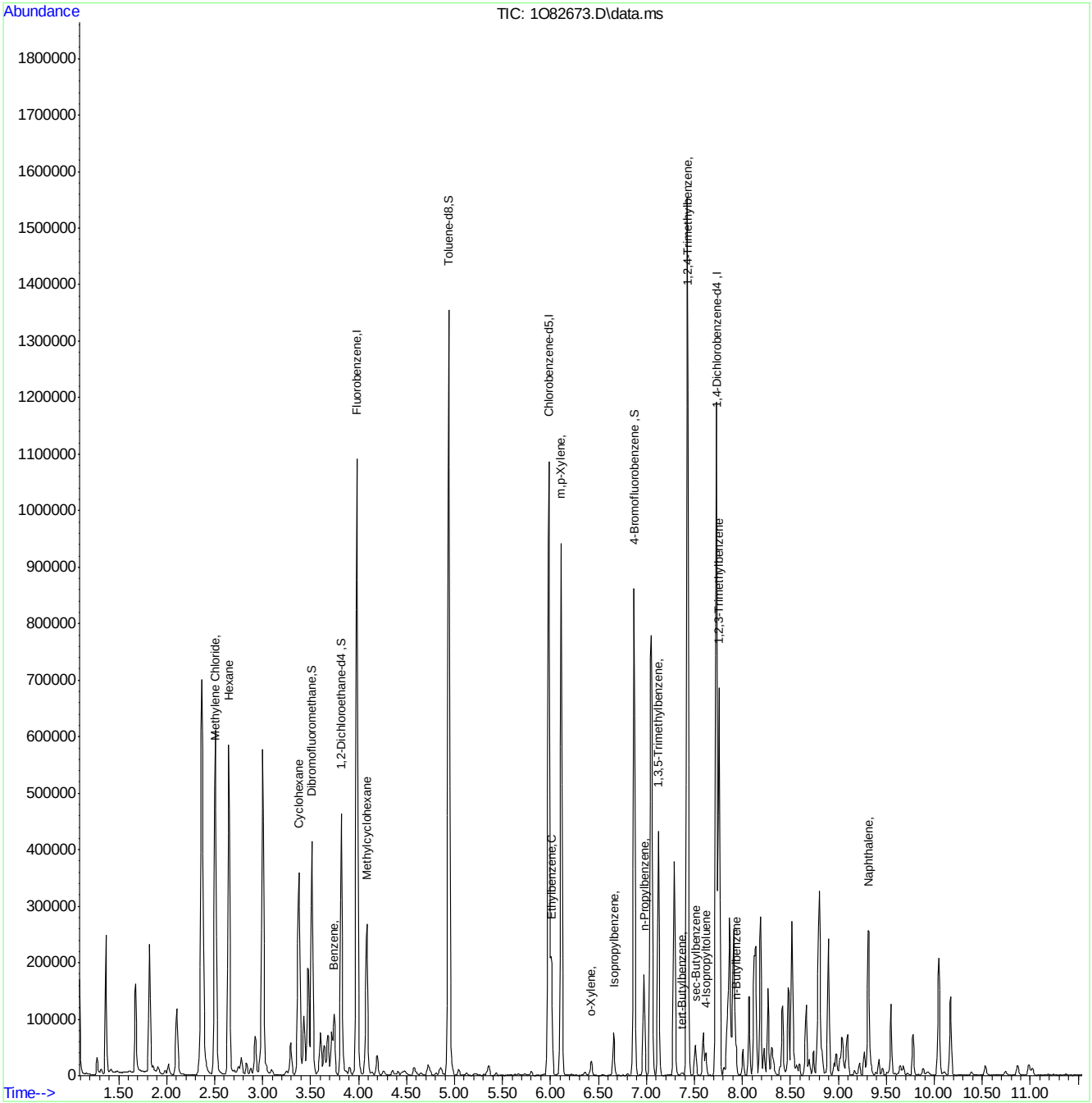
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	3.983	96	660764	50.00	ug/L		0.00
62) Chlorobenzene-d5	5.982	117	447558	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	7.732	152	232038	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	3.513	113	164826	48.98	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.96%				
50) 1,2-Dichloroethane-d4	3.818	65	223370	52.26	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 104.52%				
63) Toluene-d8	4.940	98	654220	49.84	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 99.68%				
86) 4-Bromofluorobenzene	6.872	174	164855	50.00	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.00%				
Target Compounds							Qvalue
18) Methylene Chloride	2.501	49	14398	3.88	ug/L		73
22) Hexane	2.648	56	108158	45.63	ug/L	#	88
35) Cyclohexane	3.379	56	131674	25.04	ug/L	#	85
47) Benzene	3.745	78	59809	5.44	ug/L		80
54) Methylcyclohexane	4.086	83	75021	17.77	ug/L		93
77) Ethylbenzene	6.013	91	113394	9.11	ug/L		99
80) m,p-Xylene	6.110	91	432635	43.72	ug/L		98
81) o-Xylene	6.427	91	12094	1.17	ug/L		100
84) Isopropylbenzene	6.659	105	39595	3.43	ug/L		98
88) n-Propylbenzene	6.976	91	116788	8.45	ug/L		99
91) 1,3,5-Trimethylbenzene	7.122	105	199027	20.56	ug/L		99
97) tert-Butylbenzene	7.372	91	1699	0.31	ug/L		93
99) 1,2,4-Trimethylbenzene	7.427	105	684095	70.49	ug/L		98
101) sec-Butylbenzene	7.512	105	23675	2.12	ug/L		78
102) 4-Isopropyltoluene	7.622	119	15007	1.60	ug/L		99
104) 1,2,3-Trimethylbenzene	7.756	105	304165	30.39	ug/L		99
106) n-Butylbenzene	7.933	92	14654	2.78	ug/L	#	74
112) Naphthalene	9.311	128	126081	10.06	ug/L		98

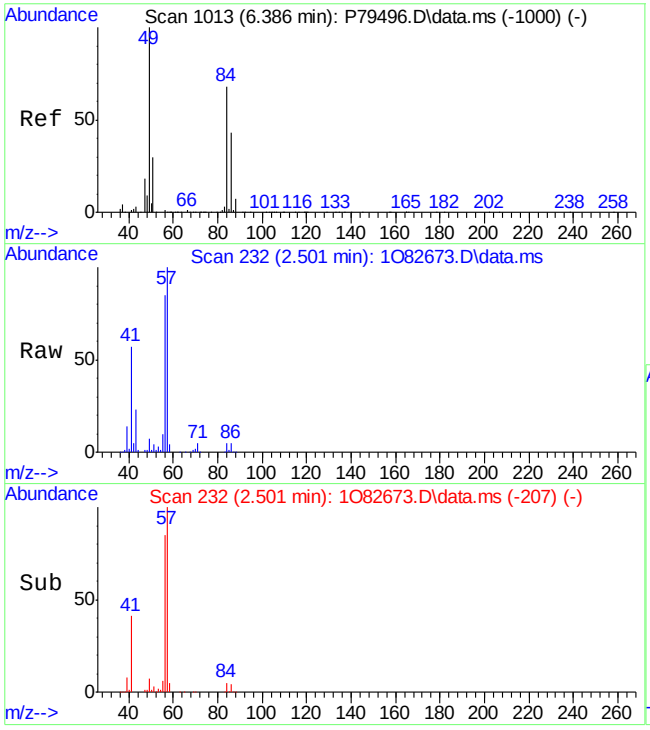
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-15-2024\
Data File : 1O82673.D
Acq On : 15 Mar 2024 5:53 pm
Operator : jeniferw
Sample : FC14007-2 Inst : MSVOA12
Misc : MS56102,V1O2977,,,,,10
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Mar 17 14:01:56 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration

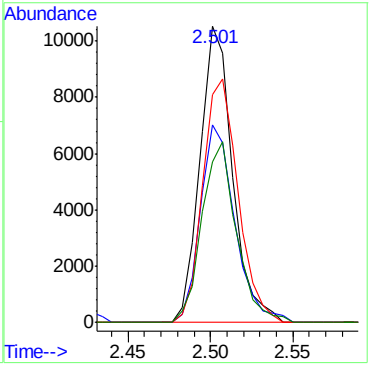


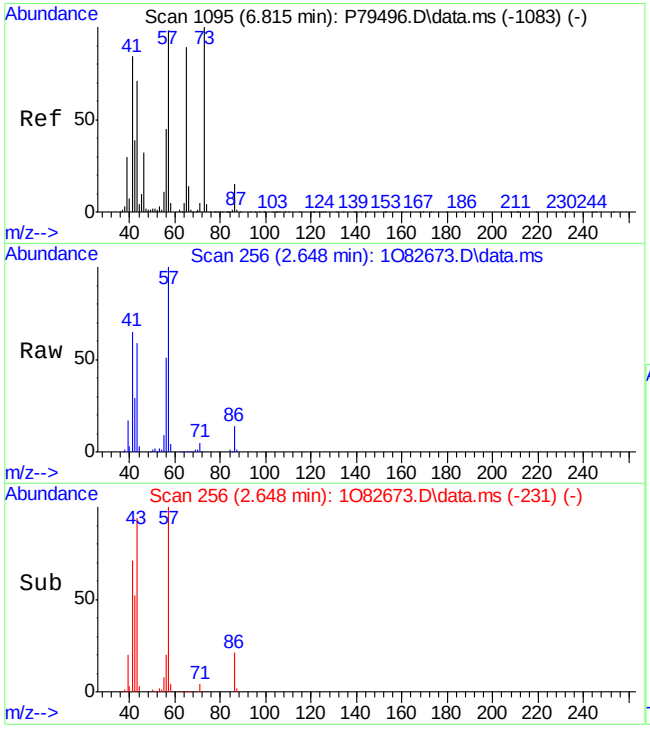


#18
Methylene Chloride
Concen: 3.88 ug/L
RT: 2.501 min Scan# 232
Delta R.T. 0.000 min
Lab File: 1O82673.D
Acq: 15 Mar 2024 5:53 pm

Tgt Ion: 49 Resp: 14398

Ion	Ratio	Lower	Upper
49	100		
84	66.8	46.6	106.6
86	76.7	17.7	77.7
51	54.4	2.6	62.6

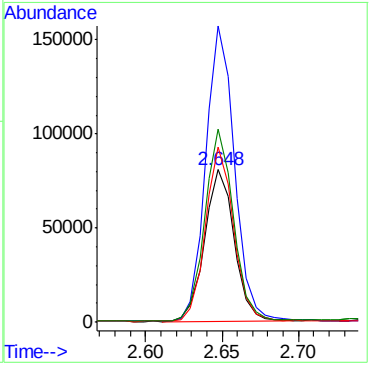


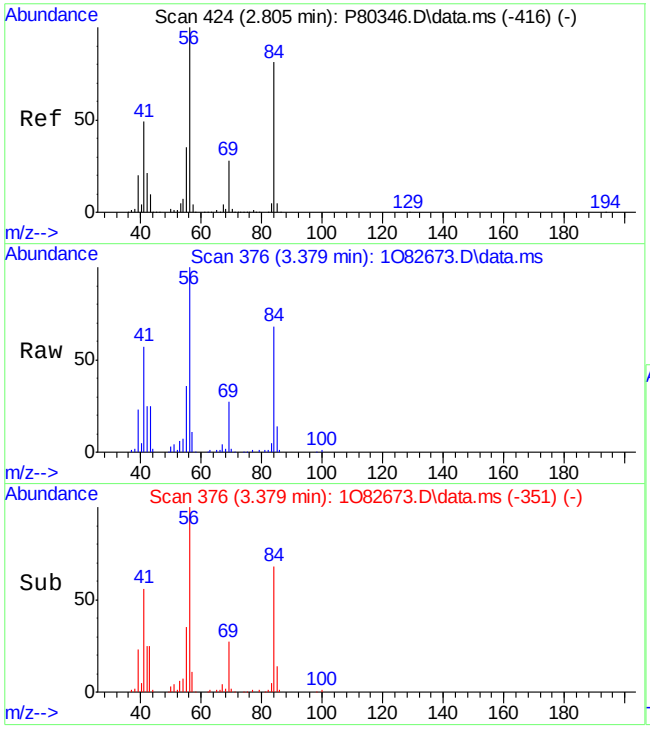


#22
Hexane
Concen: 45.63 ug/L
RT: 2.648 min Scan# 256
Delta R.T. 0.001 min
Lab File: 1O82673.D
Acq: 15 Mar 2024 5:53 pm

Tgt Ion: 56 Resp: 108158

Ion	Ratio	Lower	Upper
56	100		
57	194.9	195.9	235.9#
43	114.8	104.6	144.6
41	126.8	121.6	161.6

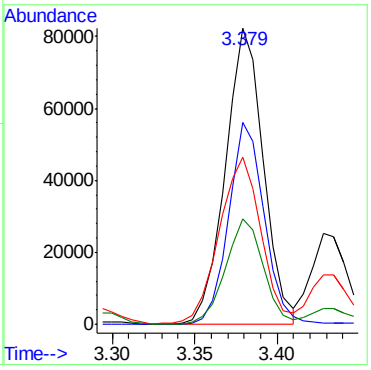


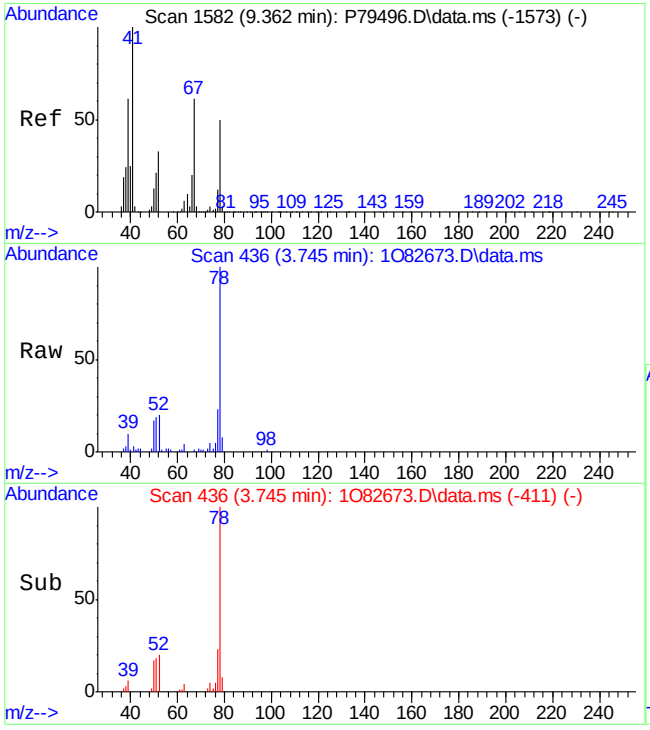


#35
Cyclohexane
Concen: 25.04 ug/L
RT: 3.379 min Scan# 376
Delta R.T. 0.000 min
Lab File: 1O82673.D
Acq: 15 Mar 2024 5:53 pm

Tgt Ion: 56 Resp: 131674

Ion	Ratio	Lower	Upper
56	100		
84	68.1	51.9	91.9
41	56.3	4.6	44.6#
55	35.7	14.2	54.2

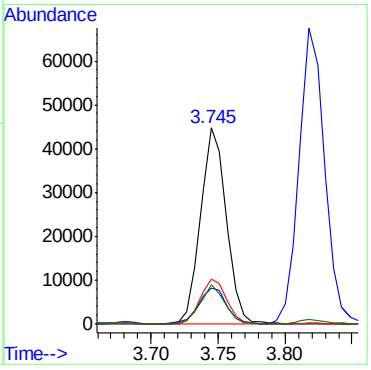


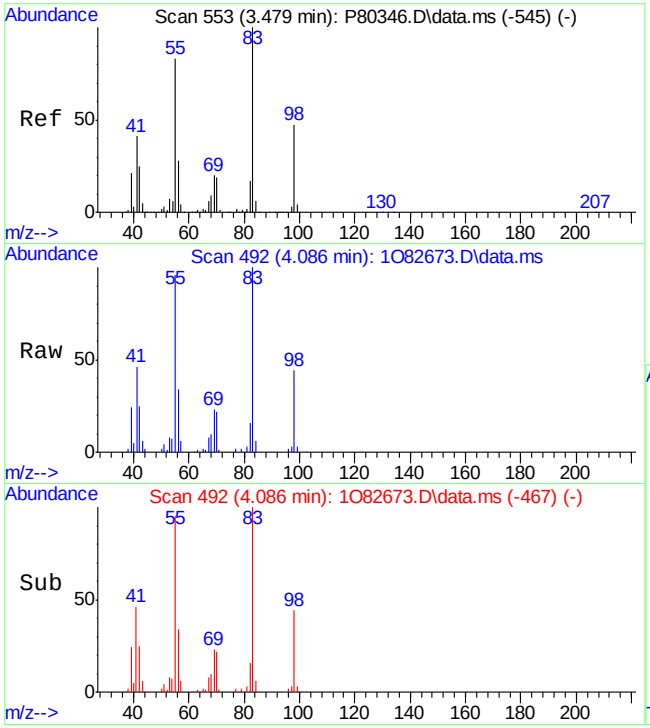


#47
Benzene
Concen: 5.44 ug/L
RT: 3.745 min Scan# 436
Delta R.T. 0.000 min
Lab File: 1O82673.D
Acq: 15 Mar 2024 5:53 pm

Tgt Ion: 78 Resp: 59809

Ion	Ratio	Lower	Upper
78	100		
51	18.6	1.5	61.5
77	23.0	0.0	53.0
52	20.0	8.1	68.1

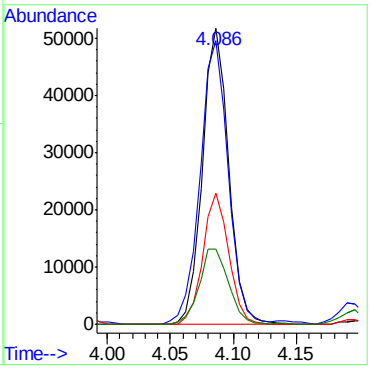


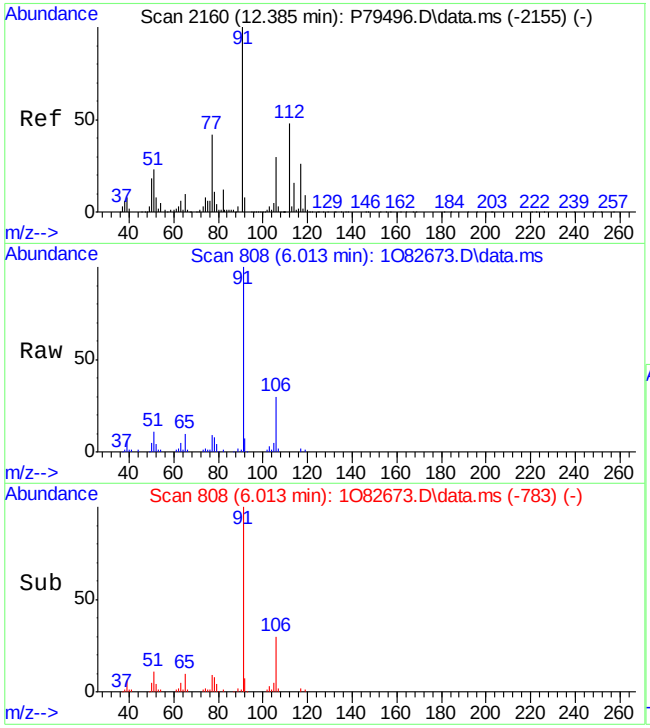


#54
Methylcyclohexane
Concen: 17.77 ug/L
RT: 4.086 min Scan# 492
Delta R.T. 0.000 min
Lab File: 1O82673.D
Acq: 15 Mar 2024 5:53 pm

Tgt Ion: 83 Resp: 75021

Ion	Ratio	Lower	Upper
83	100		
55	95.7	66.3	106.3
98	44.4	25.3	65.3
42	25.5	3.5	43.5

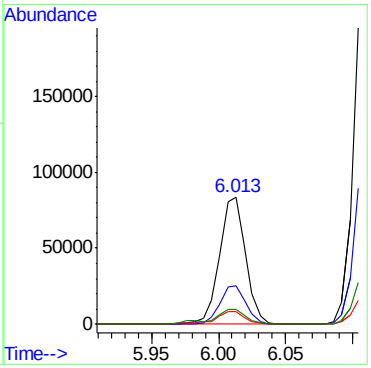


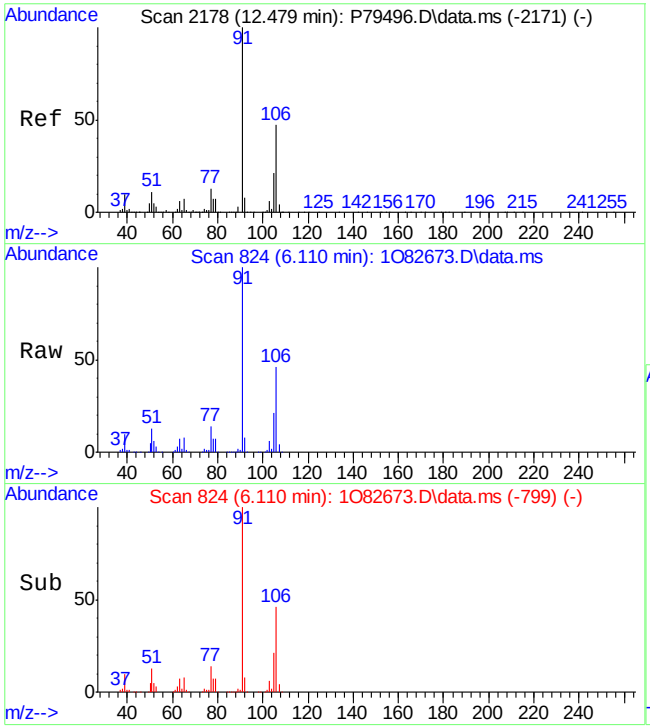


#77
Ethylbenzene
Concen: 9.11 ug/L
RT: 6.013 min Scan# 808
Delta R.T. 0.000 min
Lab File: 1O82673.D
Acq: 15 Mar 2024 5:53 pm

Tgt Ion: 91 Resp: 113394

Ion	Ratio	Lower	Upper
91	100		
106	30.0	0.0	59.8
65	9.8	0.0	39.2
51	11.5	0.0	40.8

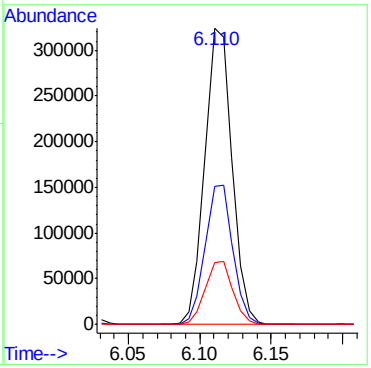


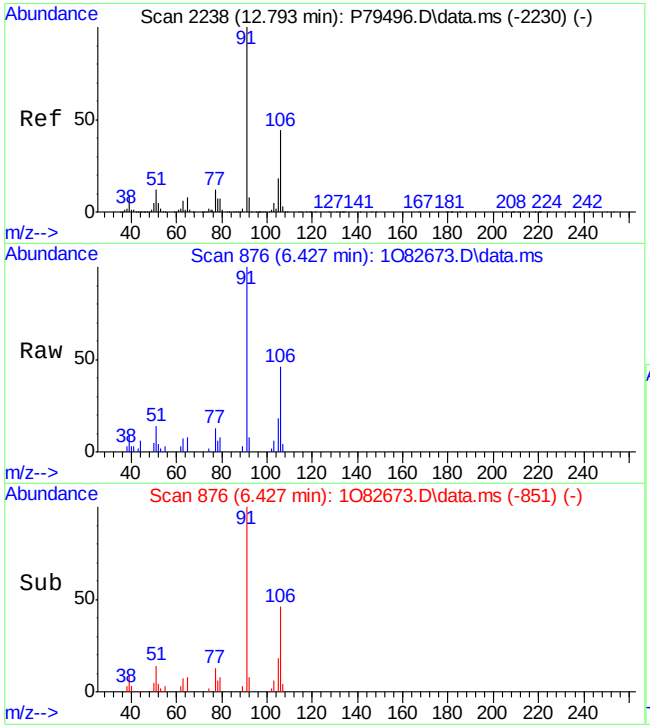


#80
m,p-Xylene
Concen: 43.72 ug/L
RT: 6.110 min Scan# 824
Delta R.T. 0.000 min
Lab File: 1O82673.D
Acq: 15 Mar 2024 5:53 pm

Tgt Ion: 91 Resp: 432635

Ion	Ratio	Lower	Upper
91	100		
106	46.4	17.8	77.8
105	20.9	0.0	52.0

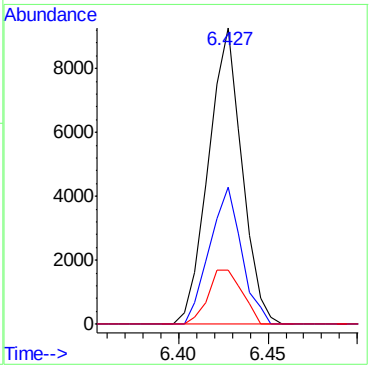


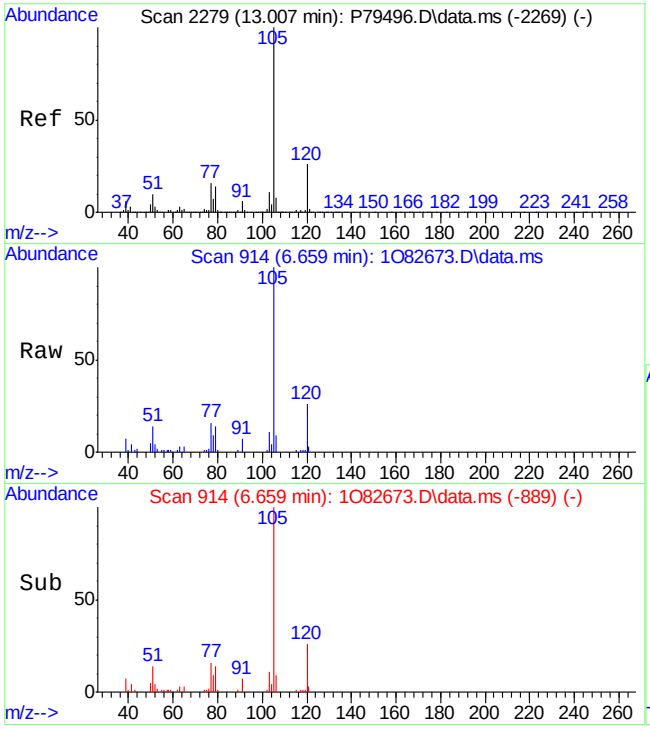


#81
o-Xylene
Concen: 1.17 ug/L
RT: 6.427 min Scan# 876
Delta R.T. 0.000 min
Lab File: 1O82673.D
Acq: 15 Mar 2024 5:53 pm

Tgt Ion: 91 Resp: 12094

Ion	Ratio	Lower	Upper
91	100		
106	46.2	16.4	76.4
105	18.2	0.0	48.4

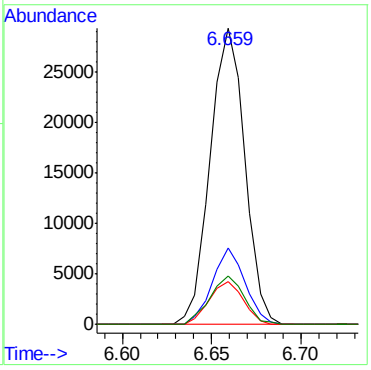


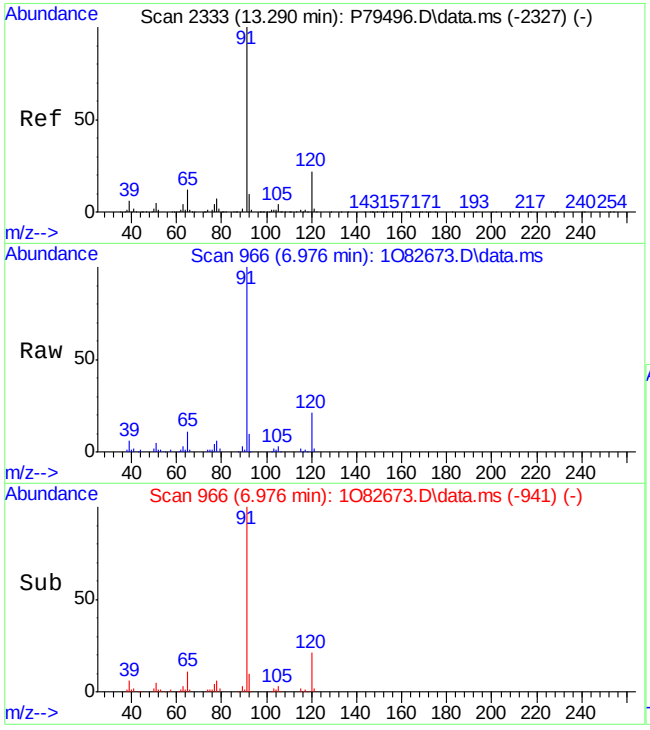


#84
Isopropylbenzene
Concen: 3.43 ug/L
RT: 6.659 min Scan# 914
Delta R.T. 0.000 min
Lab File: 1O82673.D
Acq: 15 Mar 2024 5:53 pm

Tgt Ion:105 Resp: 39595

Ion	Ratio	Lower	Upper
105	100		
120	25.7	0.0	55.3
79	14.4	0.0	43.4
77	16.5	0.0	45.7

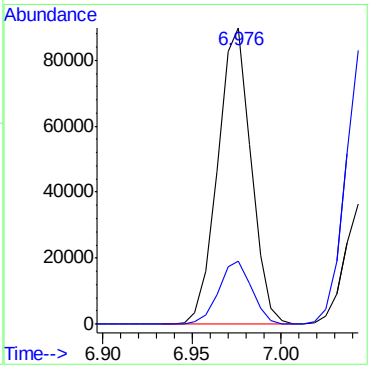


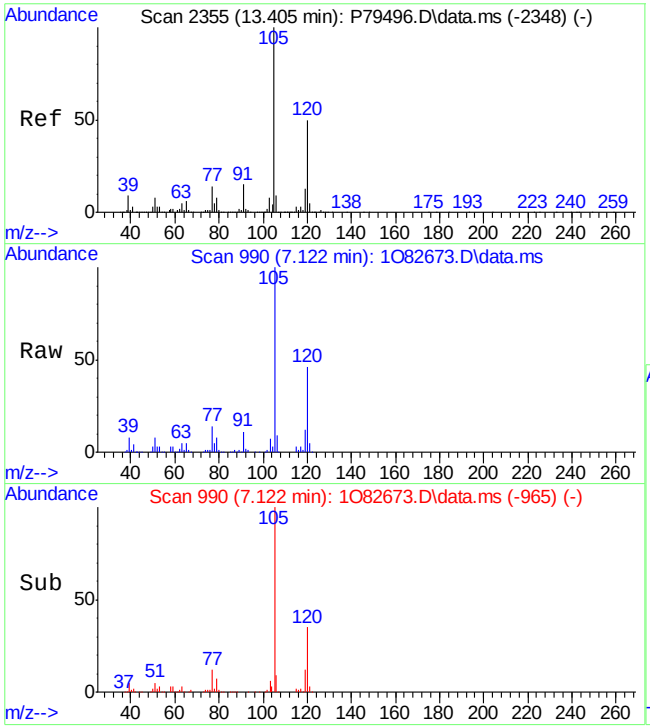


#88
n-Propylbenzene
Concen: 8.45 ug/L
RT: 6.976 min Scan# 966
Delta R.T. 0.000 min
Lab File: 1O82673.D
Acq: 15 Mar 2024 5:53 pm

Tgt Ion: 91 Resp: 116788

Ion	Ratio	Lower	Upper
91	100		
120	21.3	0.0	51.8

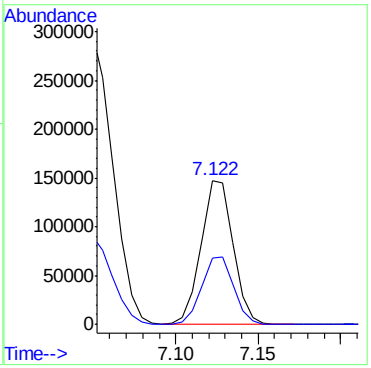


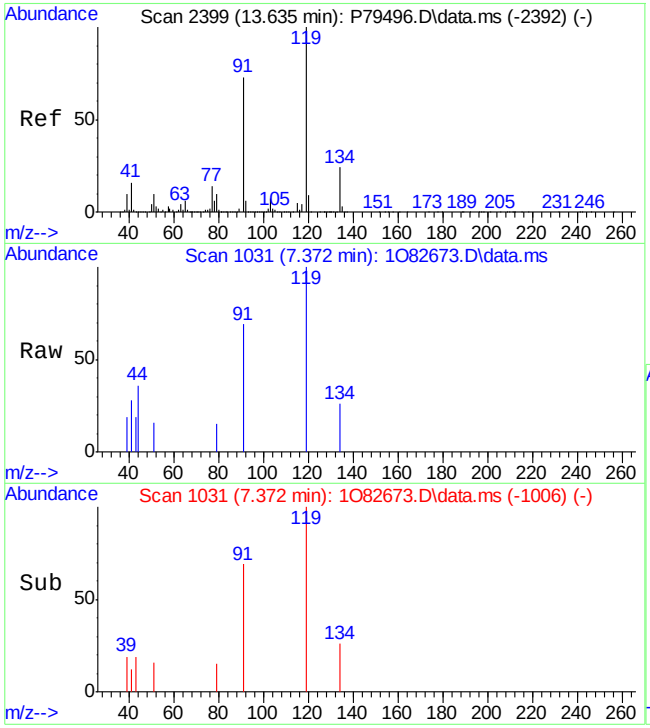


#91
1,3,5-Trimethylbenzene
Concen: 20.56 ug/L
RT: 7.122 min Scan# 990
Delta R.T. 0.000 min
Lab File: 1O82673.D
Acq: 15 Mar 2024 5:53 pm

Tgt Ion:105 Resp: 199027

Ion	Ratio	Lower	Upper
105	100		
120	46.2	16.8	76.8

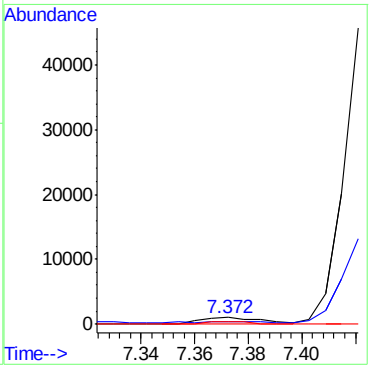


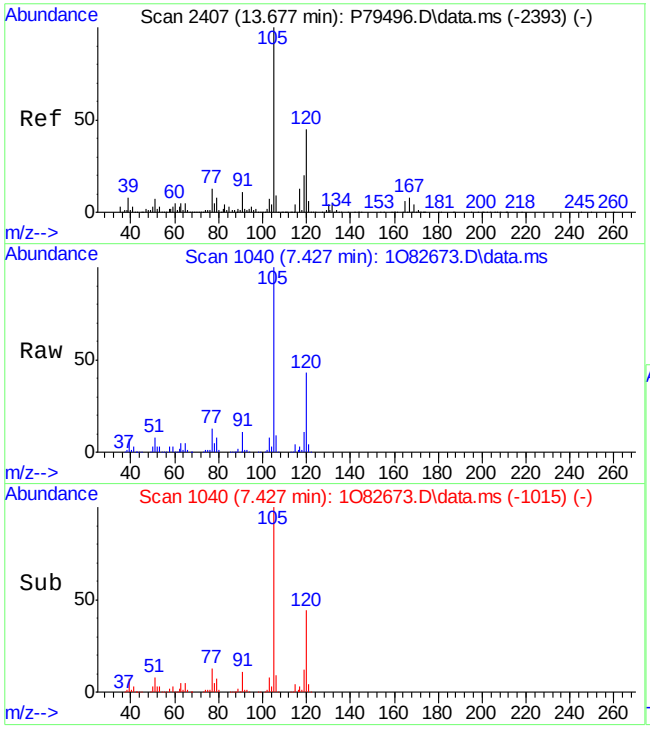


#97
tert-Butylbenzene
Concen: 0.31 ug/L
RT: 7.372 min Scan# 1031
Delta R.T. 0.000 min
Lab File: 1O82673.D
Acq: 15 Mar 2024 5:53 pm

Tgt Ion: 91 Resp: 1699

Ion	Ratio	Lower	Upper
91	100		
41	19.3	0.0	50.0
134	37.9	2.1	62.1

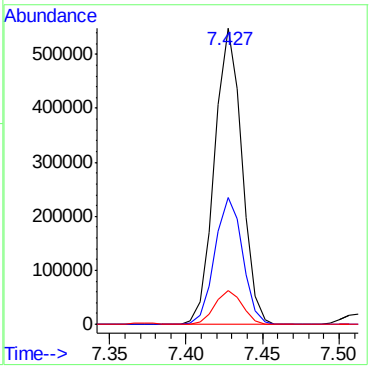


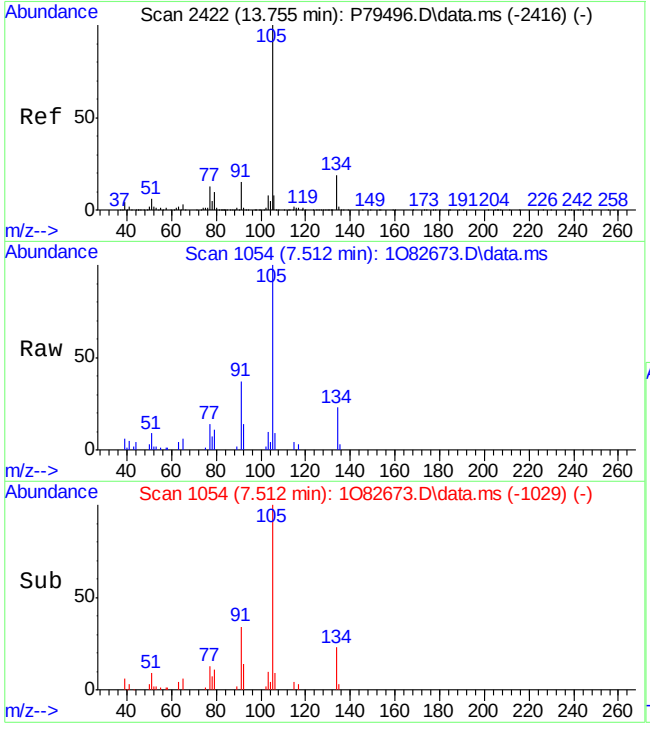


#99
1,2,4-Trimethylbenzene
Concen: 70.49 ug/L
RT: 7.427 min Scan# 1040
Delta R.T. 0.000 min
Lab File: 1O82673.D
Acq: 15 Mar 2024 5:53 pm

Tgt Ion:105 Resp: 684095

Ion	Ratio	Lower	Upper
105	100		
120	43.0	14.2	74.2
119	11.4	0.0	41.4

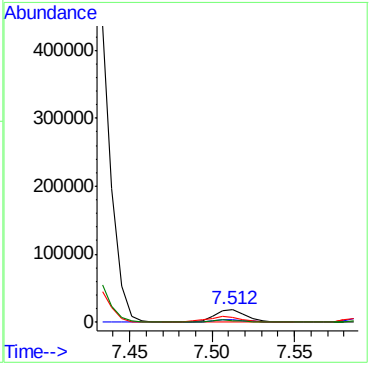


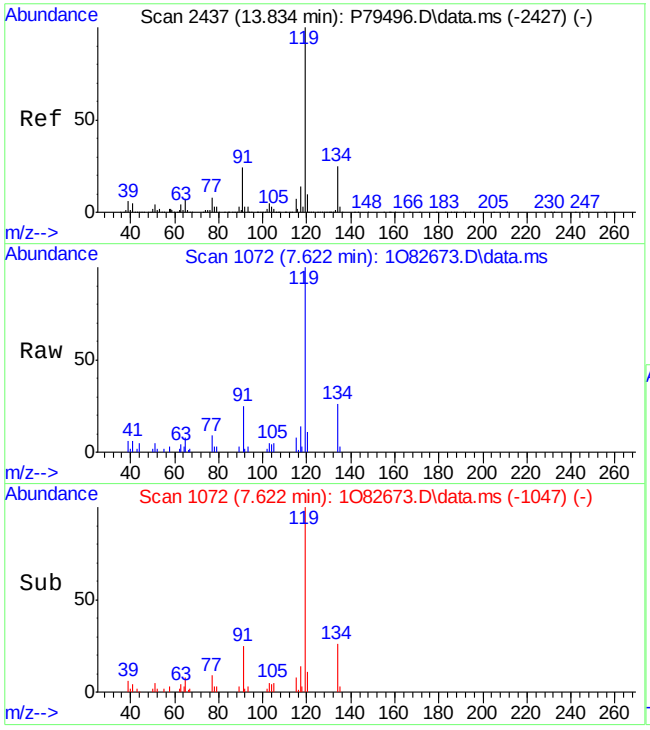


#101
sec-Butylbenzene
Concen: 2.12 ug/L
RT: 7.512 min Scan# 1054
Delta R.T. 0.000 min
Lab File: 1O82673.D
Acq: 15 Mar 2024 5:53 pm

Tgt Ion:105 Resp: 23675

Ion	Ratio	Lower	Upper
105	100		
134	23.4	0.0	48.7
91	37.2	0.0	46.0
77	13.9	0.0	42.6

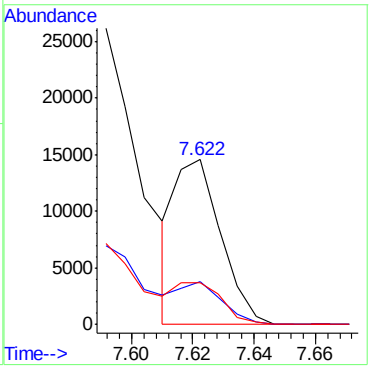


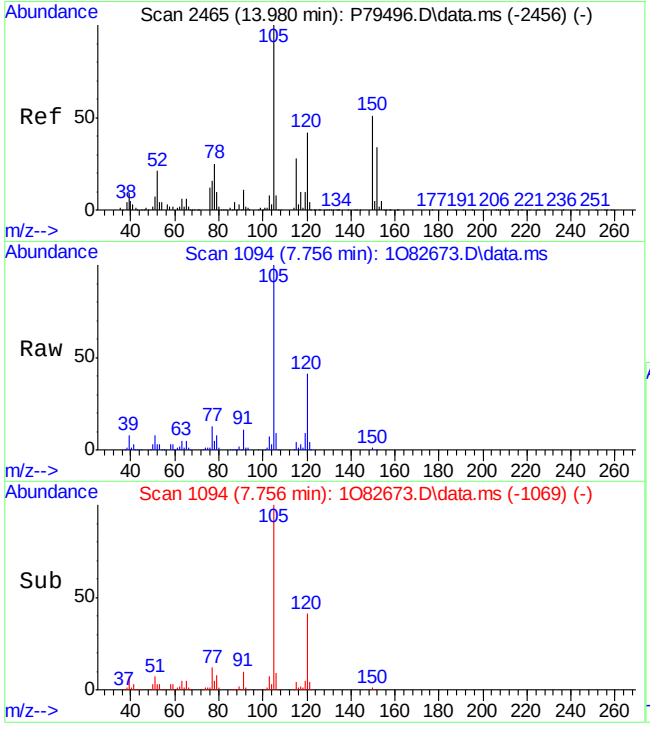


#102
4-Isopropyltoluene
Concen: 1.60 ug/L
RT: 7.622 min Scan# 1072
Delta R.T. 0.000 min
Lab File: 1O82673.D
Acq: 15 Mar 2024 5:53 pm

Tgt Ion:119 Resp: 15007

Ion	Ratio	Lower	Upper
119	100		
134	26.3	0.0	55.4
91	25.1	0.0	55.0

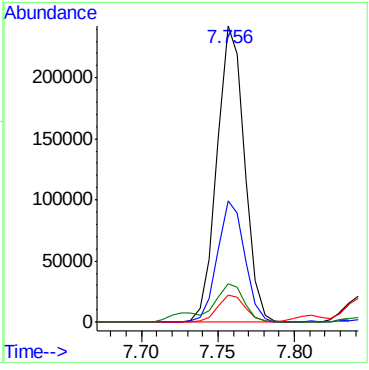


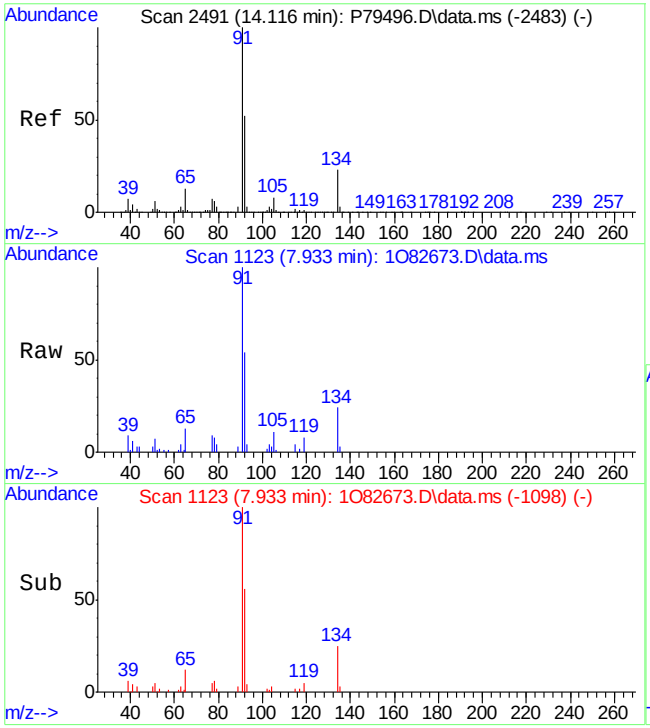


#104
1,2,3-Trimethylbenzene
Concen: 30.39 ug/L
RT: 7.756 min Scan# 1094
Delta R.T. 0.000 min
Lab File: 1O82673.D
Acq: 15 Mar 2024 5:53 pm

Tgt Ion:105 Resp: 304165

Ion	Ratio	Lower	Upper
105	100		
120	41.0	10.0	70.0
119	9.3	0.0	39.0
77	12.8	0.0	43.2

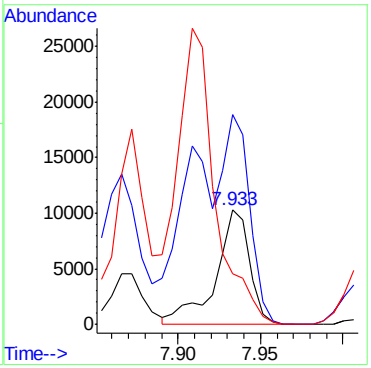


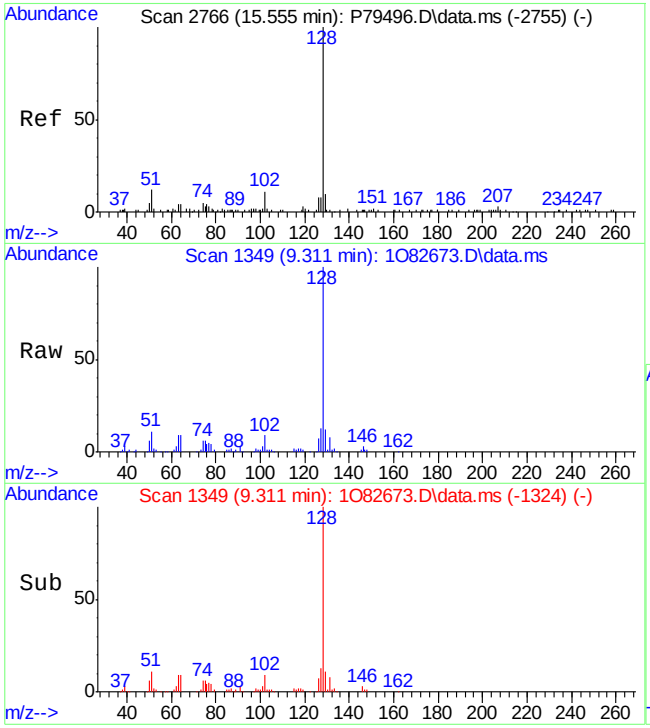


#106
n-Butylbenzene
Concen: 2.78 ug/L
RT: 7.933 min Scan# 1123
Delta R.T. 0.000 min
Lab File: 1O82673.D
Acq: 15 Mar 2024 5:53 pm

Tgt Ion: 92 Resp: 14654

Ion	Ratio	Lower	Upper
92	100		
91	184.0	203.7	263.7#
134	44.5	10.7	70.7

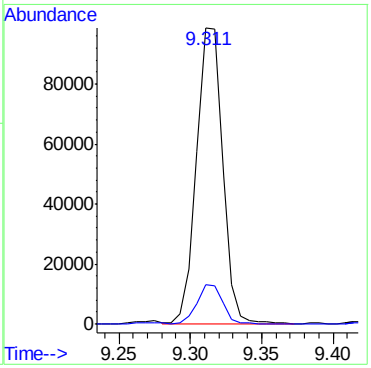




#112
Naphthalene
Concen: 10.06 ug/L
RT: 9.311 min Scan# 1349
Delta R.T. 0.000 min
Lab File: 1O82673.D
Acq: 15 Mar 2024 5:53 pm

Tgt Ion:128 Resp: 126081

Ion	Ratio	Lower	Upper
128	100		
127	13.4	0.0	42.8



Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\V1O2976\
Data File : 1O82641.d
Acq On : 14 Mar 2024 3:58 pm
Operator : jeniferw
Sample : FC14007-3 Inst : MSVOA12
Misc : MS56094,V1O2976,,,,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Mar 15 09:21:04 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\method\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration

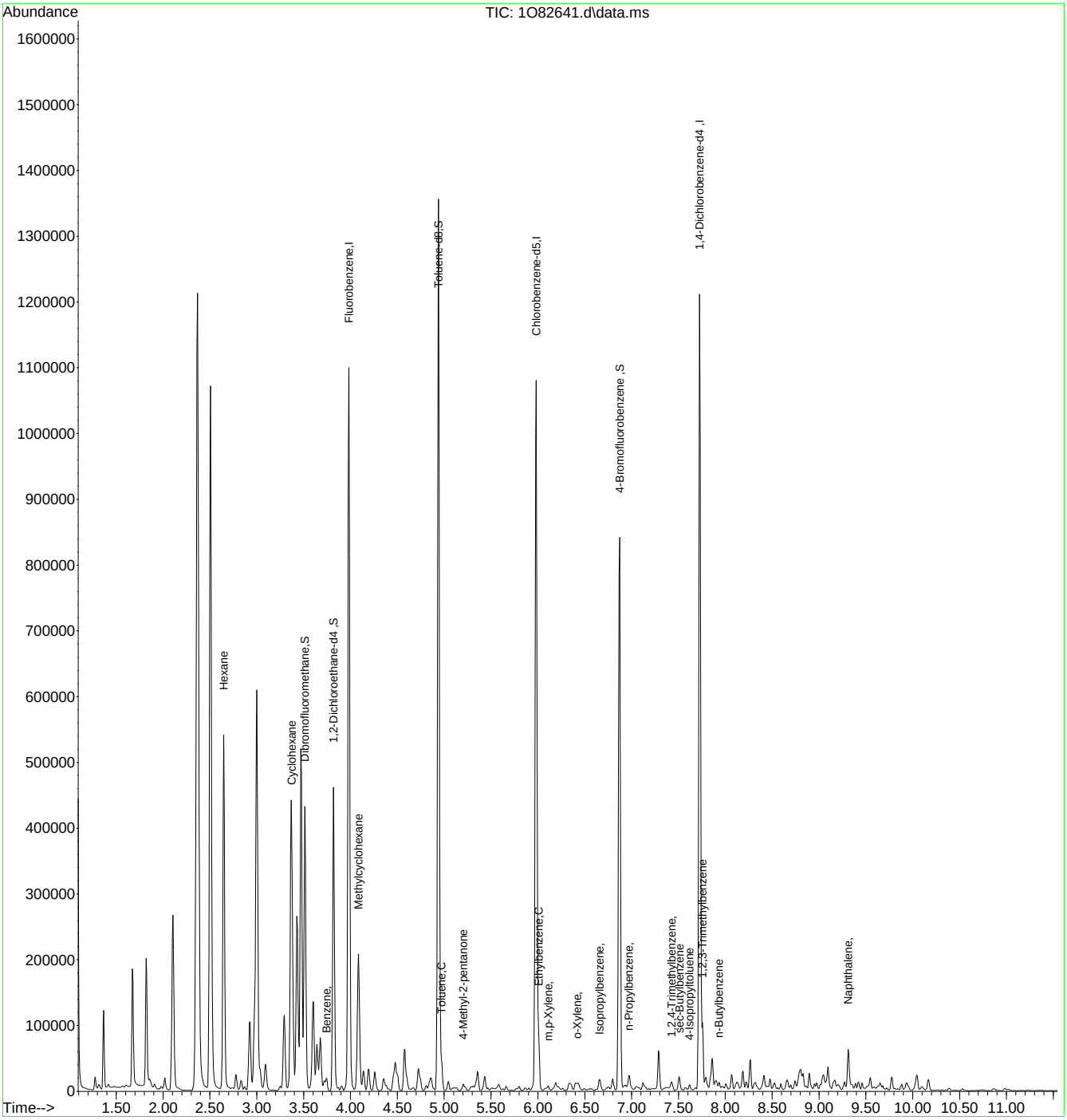
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.983	96	670335	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.982	117	452364	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.726	152	233161	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.513	113	166053	48.64	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.28%			
50) 1,2-Dichloroethane-d4	3.818	65	224253	51.72	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 103.44%			
63) Toluene-d8	4.940	98	661057	49.83	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 99.66%			
86) 4-Bromofluorobenzene	6.872	174	167842	50.66	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.32%			
Target Compounds						Qvalue
22) Hexane	2.647	56	98711	41.0517	ug/L	87
35) Cyclohexane	3.373	56	109270	20.4790	ug/L #	62
47) Benzene	3.745	78	9876	0.8855	ug/L	82
54) Methylcyclohexane	4.086	83	55757	13.0154	ug/L	92
64) Toluene	4.970	91	6018	0.5200	ug/L	98
66) 4-Methyl-2-pentanone	5.202	43	5585	1.2117	ug/L #	52
77) Ethylbenzene	6.007	91	41458	3.2967	ug/L	99
80) m,p-Xylene	6.110	91	3088	0.3087	ug/L	97
81) o-Xylene	6.421	91	2594	0.2485	ug/L	95
84) Isopropylbenzene	6.659	105	8003	0.6852	ug/L	96
88) n-Propylbenzene	6.970	91	14979	1.0782	ug/L	98
99) 1,2,4-Trimethylbenzene	7.427	105	4166	0.4272	ug/L	93
101) sec-Butylbenzene	7.512	105	9548	0.8516	ug/L	84
102) 4-Isopropyltoluene	7.616	119	3185	0.3370	ug/L	98
104) 1,2,3-Trimethylbenzene	7.756	105	43559	4.3318	ug/L	96
106) n-Butylbenzene	7.933	92	2475	0.4680	ug/L #	67
112) Naphthalene	9.311	128	28492	2.2617	ug/L	99

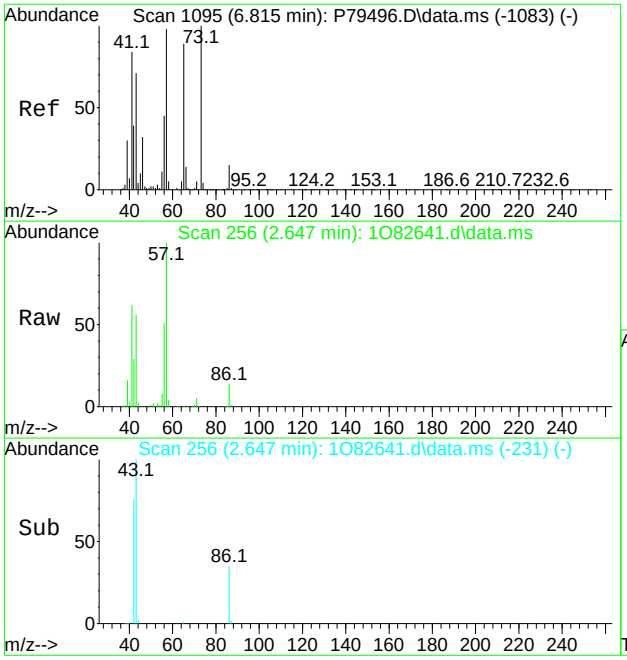
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\V1O2976\
Data File : 1O82641.d
Acq On : 14 Mar 2024 3:58 pm
Operator : jeniferw
Sample : FC14007-3 Inst : MSVOA12
Misc : MS56094,V1O2976,,,,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Mar 15 09:21:04 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\method\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration

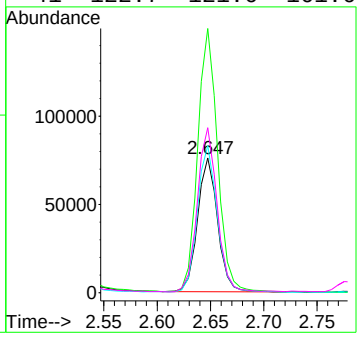


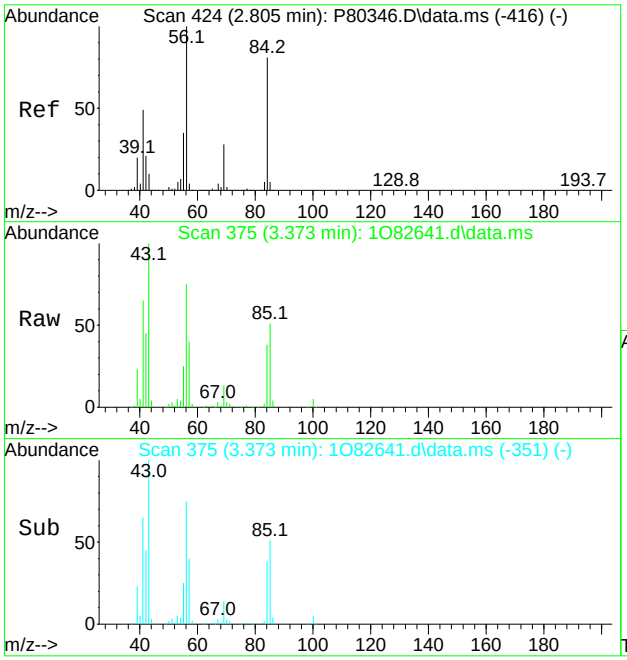


#22
Hexane
Concen: 41.0517 ug/L
RT: 2.647 min Scan# 256
Delta R.T. 0.000 min
Lab File: 1O82641.d
Acq: 14 Mar 2024 3:58 pm

Tgt Ion: 56 Resp: 98711

Ion	Ratio	Lower	Upper
56	100		
57	196.8	195.9	235.9
43	109.6	104.6	144.6
41	122.7	121.6	161.6

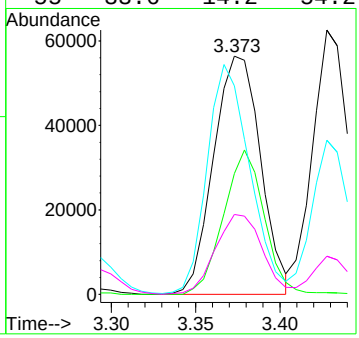


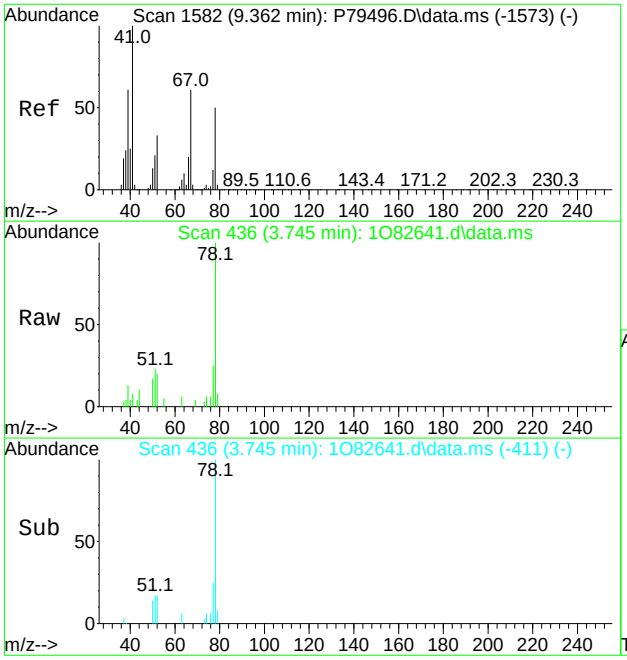


#35
Cyclohexane
Concen: 20.4790 ug/L
RT: 3.373 min Scan# 375
Delta R.T. -0.006 min
Lab File: 1O82641.d
Acq: 14 Mar 2024 3:58 pm

Tgt Ion: 56 Resp: 109270

Ion	Ratio	Lower	Upper
56	100		
84	50.7	51.9	91.9#
41	87.1	4.6	44.6#
55	33.6	14.2	54.2

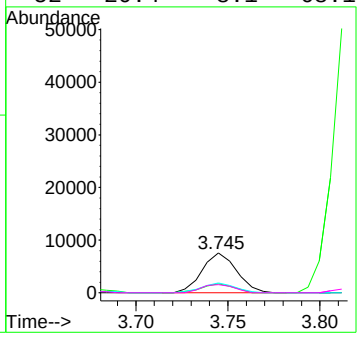


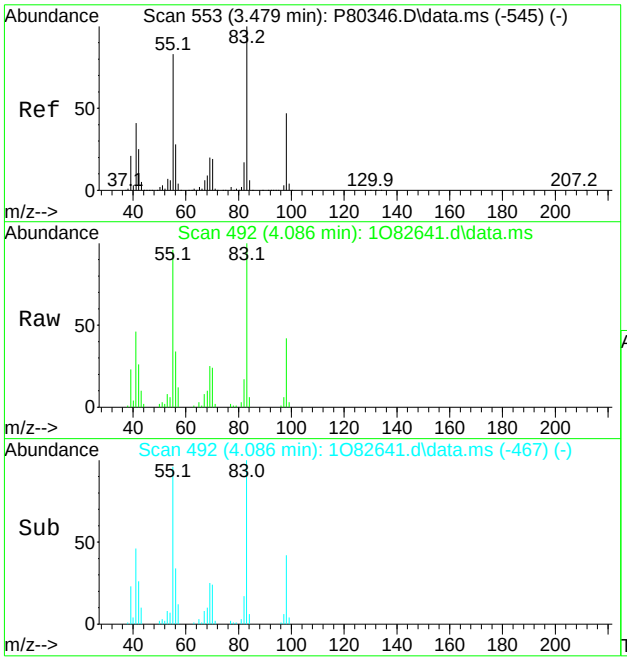


#47
Benzene
Concen: 0.8855 ug/L
RT: 3.745 min Scan# 436
Delta R.T. 0.000 min
Lab File: 1O82641.d
Acq: 14 Mar 2024 3:58 pm

Tgt Ion: 78 Resp: 9876

Ion	Ratio	Lower	Upper
78	100		
51	22.7	1.5	61.5
77	24.6	0.0	53.0
52	20.4	8.1	68.1

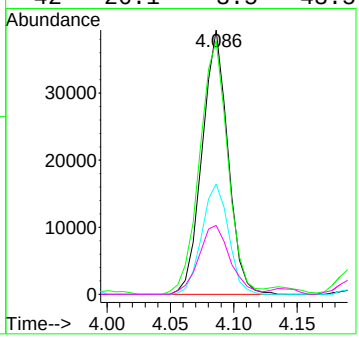


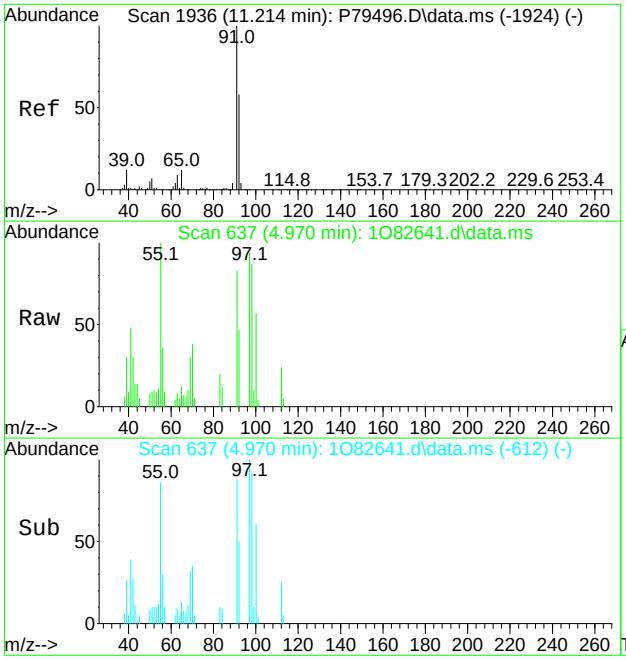


#54
Methylcyclohexane
Concen: 13.0154 ug/L
RT: 4.086 min Scan# 492
Delta R.T. 0.000 min
Lab File: 1O82641.d
Acq: 14 Mar 2024 3:58 pm

Tgt Ion: 83 Resp: 55757

Ion	Ratio	Lower	Upper
83	100		
55	95.9	66.3	106.3
98	41.7	25.3	65.3
42	26.1	3.5	43.5

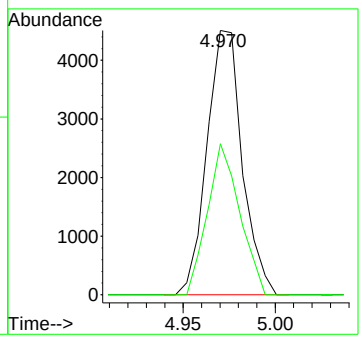


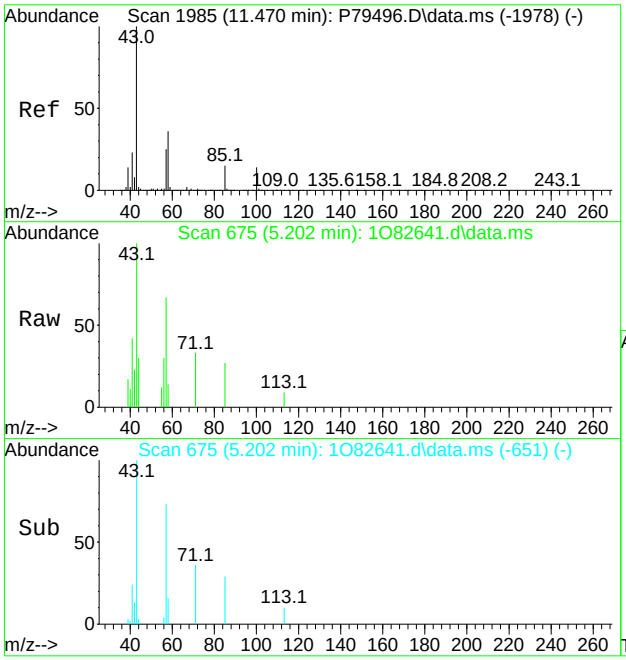


#64
Toluene
Concen: 0.5200 ug/L
RT: 4.970 min Scan# 637
Delta R.T. 0.000 min
Lab File: 1O82641.d
Acq: 14 Mar 2024 3:58 pm

Tgt Ion: 91 Resp: 6018

Ion	Ratio	Lower	Upper
91	100		
92	57.2	29.0	89.0

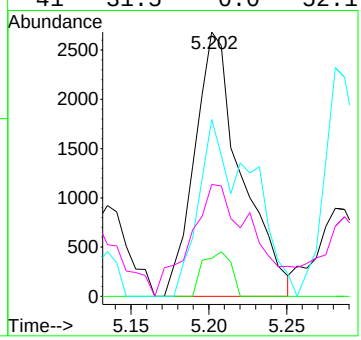


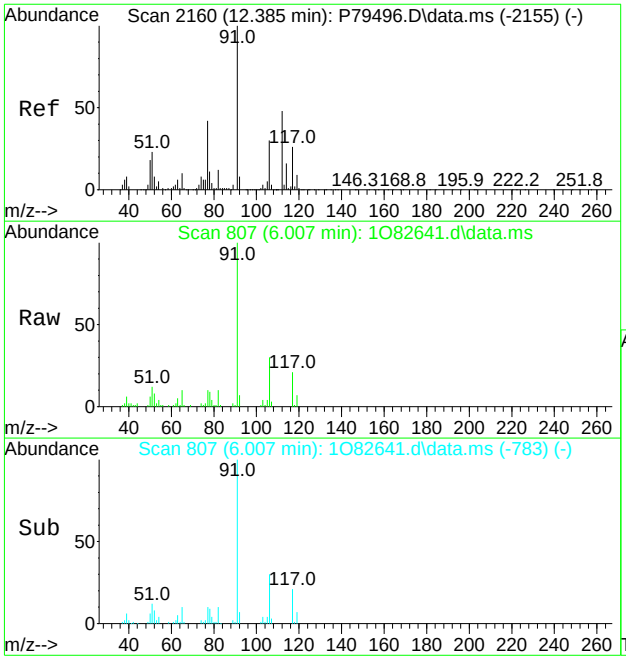


#66
4-Methyl-2-pentanone
Concen: 1.2117 ug/L
RT: 5.202 min Scan# 675
Delta R.T. -0.006 min
Lab File: 1O82641.d
Acq: 14 Mar 2024 3:58 pm

Tgt Ion: 43 Resp: 5585

Ion	Ratio	Lower	Upper
43	100		
58	14.5	16.2	76.2#
57	66.8	0.0	58.9#
41	31.5	0.0	52.1

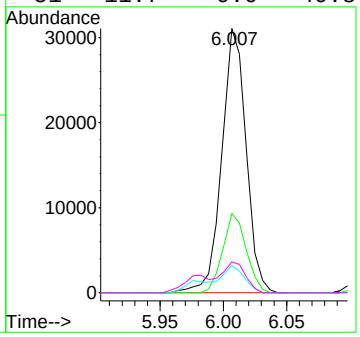


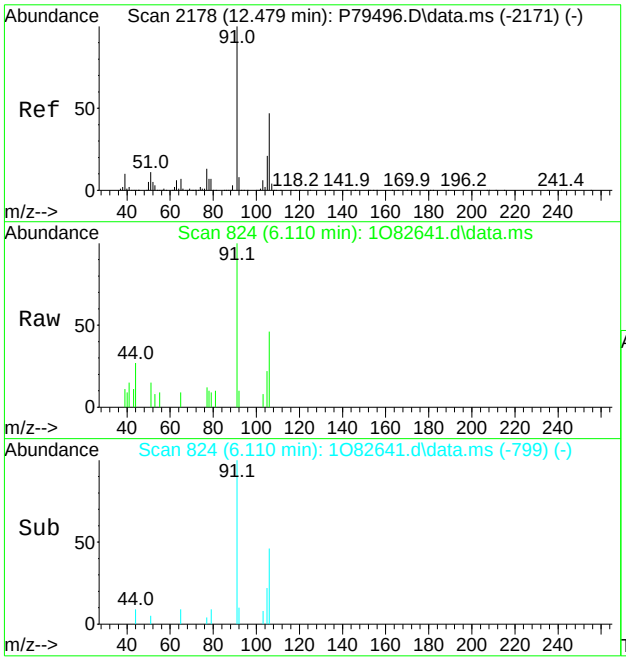


#77
Ethylbenzene
Concen: 3.2967 ug/L
RT: 6.007 min Scan# 807
Delta R.T. -0.006 min
Lab File: 1O82641.d
Acq: 14 Mar 2024 3:58 pm

Tgt Ion: 91 Resp: 41458

Ion	Ratio	Lower	Upper
91	100		
106	30.0	0.0	59.8
65	10.3	0.0	39.2
51	11.7	0.0	40.8

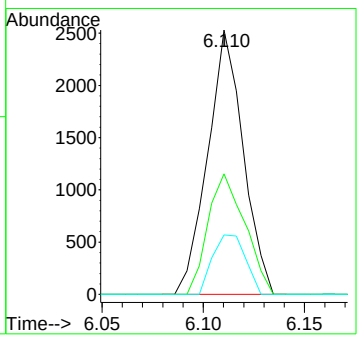


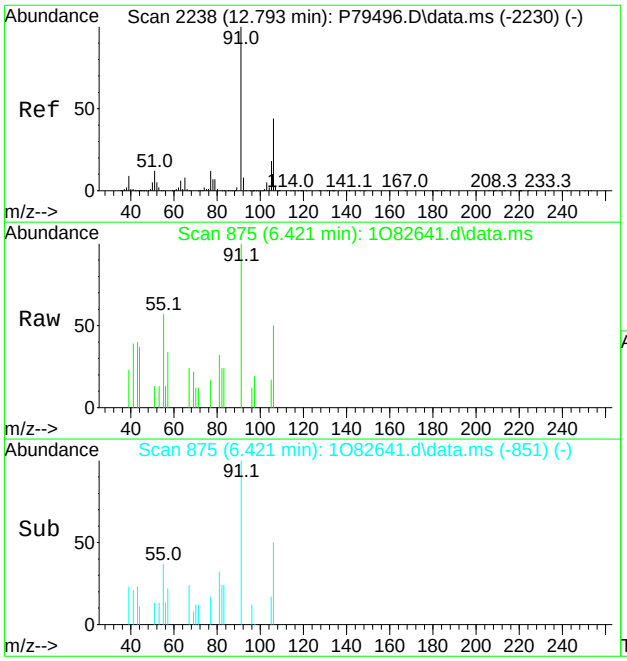


#80
m,p-Xylene
Concen: 0.3087 ug/L
RT: 6.110 min Scan# 824
Delta R.T. 0.000 min
Lab File: 1O82641.d
Acq: 14 Mar 2024 3:58 pm

Tgt Ion: 91 Resp: 3088

Ion	Ratio	Lower	Upper
91	100		
106	45.6	17.8	77.8
105	22.5	0.0	52.0

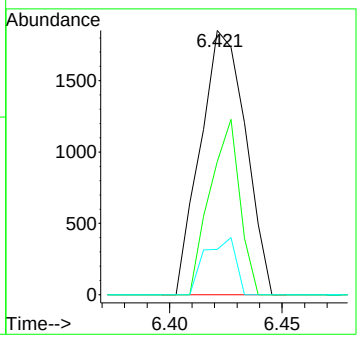


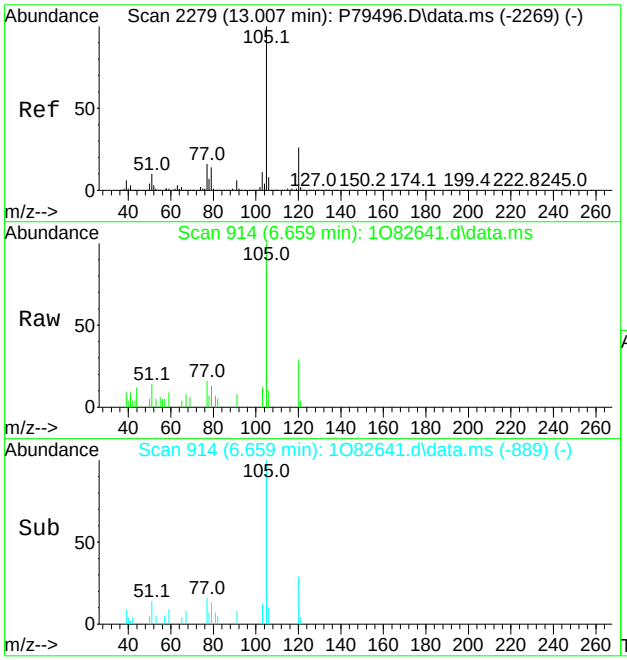


#81
o-Xylene
Concen: 0.2485 ug/L
RT: 6.421 min Scan# 875
Delta R.T. -0.006 min
Lab File: 1O82641.d
Acq: 14 Mar 2024 3:58 pm

Tgt Ion: 91 Resp: 2594

Ion	Ratio	Lower	Upper
91	100		
106	50.3	16.4	76.4
105	17.2	0.0	48.4

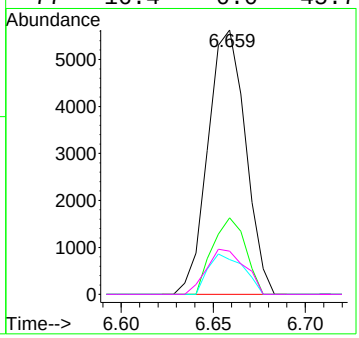


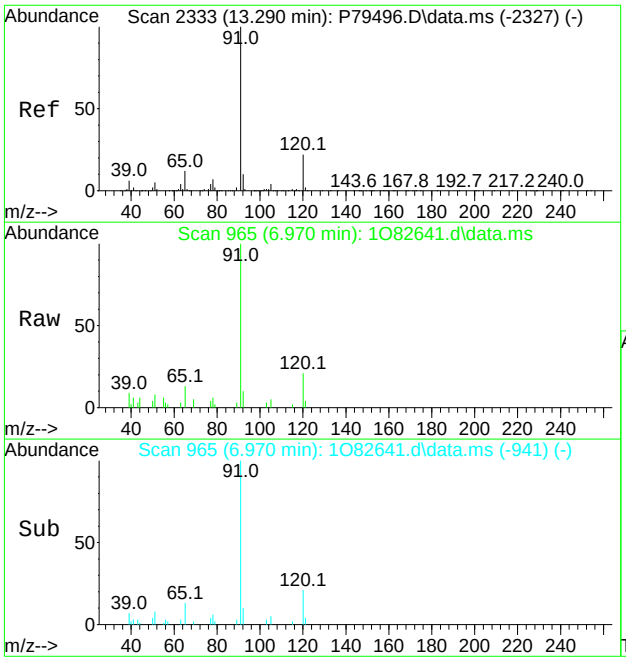


#84
Isopropylbenzene
Concen: 0.6852 ug/L
RT: 6.659 min Scan# 914
Delta R.T. -0.000 min
Lab File: 1O82641.d
Acq: 14 Mar 2024 3:58 pm

Tgt Ion:105 Resp: 8003

Ion	Ratio	Lower	Upper
105	100		
120	28.9	0.0	55.3
79	13.1	0.0	43.4
77	16.4	0.0	45.7

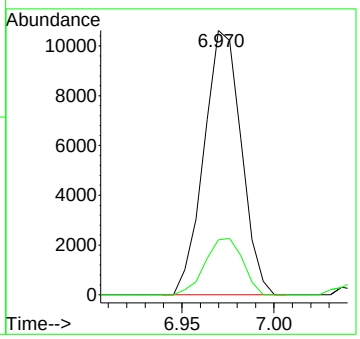


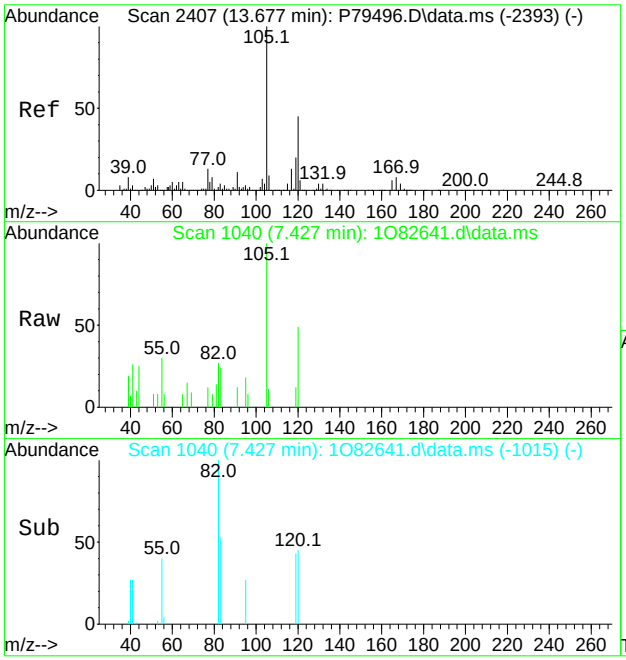


#88
n-Propylbenzene
Concen: 1.0782 ug/L
RT: 6.970 min Scan# 965
Delta R.T. -0.006 min
Lab File: 1O82641.d
Acq: 14 Mar 2024 3:58 pm

Tgt Ion: 91 Resp: 14979

Ion	Ratio	Lower	Upper
91	100		
120	20.8	0.0	51.8

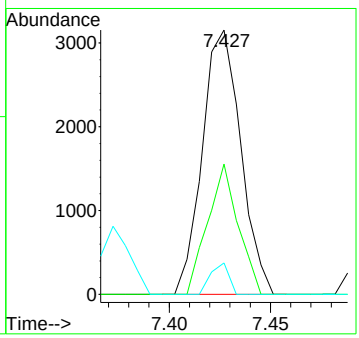


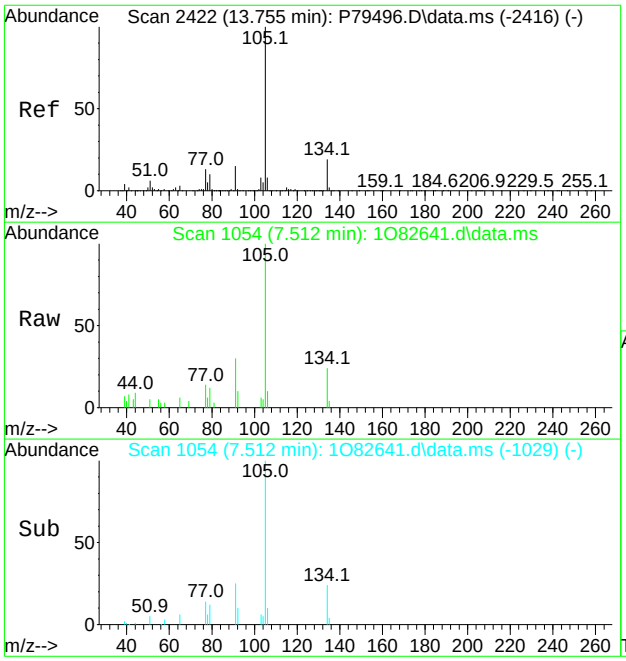


#99
1,2,4-Trimethylbenzene
Concen: 0.4272 ug/L
RT: 7.427 min Scan# 1040
Delta R.T. 0.000 min
Lab File: 1O82641.d
Acq: 14 Mar 2024 3:58 pm

Tgt Ion:105 Resp: 4166

Ion	Ratio	Lower	Upper
105	100		
120	49.3	14.2	74.2
119	11.9	0.0	41.4

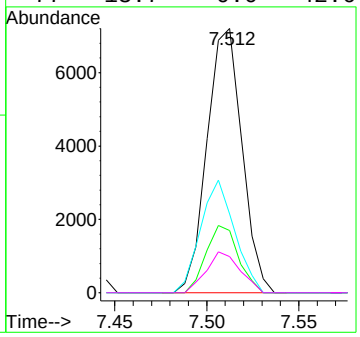


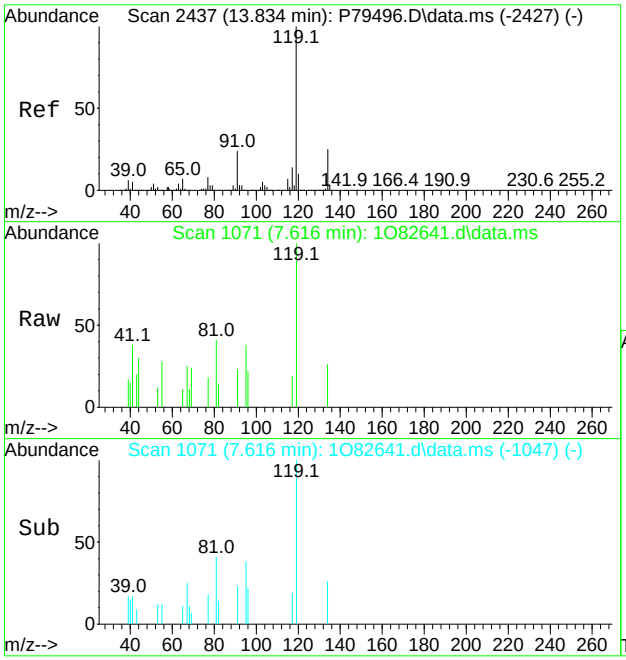


#101
sec-Butylbenzene
Concen: 0.8516 ug/L
RT: 7.512 min Scan# 1054
Delta R.T. 0.000 min
Lab File: 1O82641.d
Acq: 14 Mar 2024 3:58 pm

Tgt Ion:105 Resp: 9548

Ion	Ratio	Lower	Upper
105	100		
134	23.6	0.0	48.7
91	29.8	0.0	46.0
77	13.7	0.0	42.6

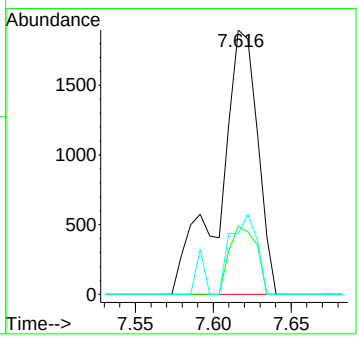


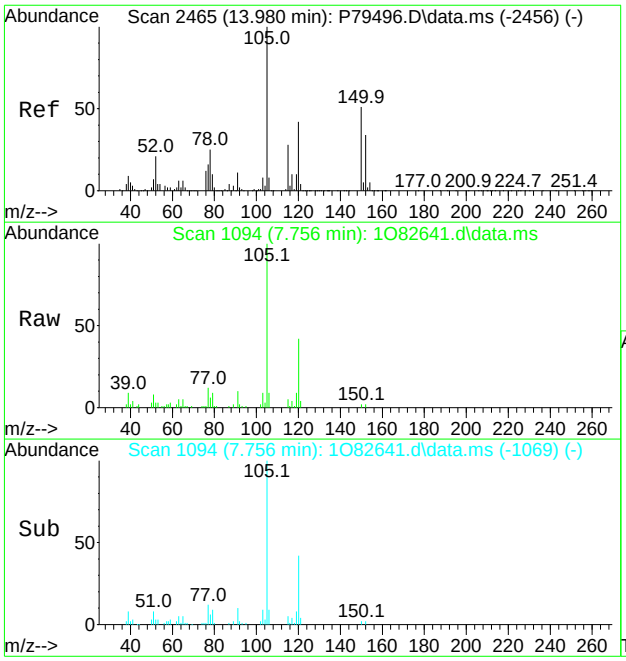


#102
4-Isopropyltoluene
Concen: 0.3370 ug/L
RT: 7.616 min Scan# 1071
Delta R.T. -0.006 min
Lab File: 1O82641.d
Acq: 14 Mar 2024 3:58 pm

Tgt Ion:119 Resp: 3185

Ion	Ratio	Lower	Upper
119	100		
134	25.9	0.0	55.4
91	23.0	0.0	55.0

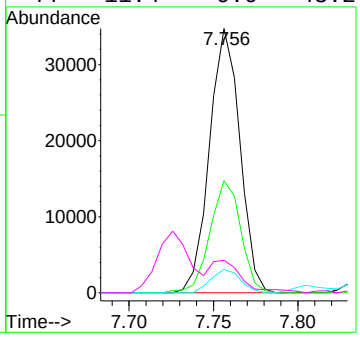


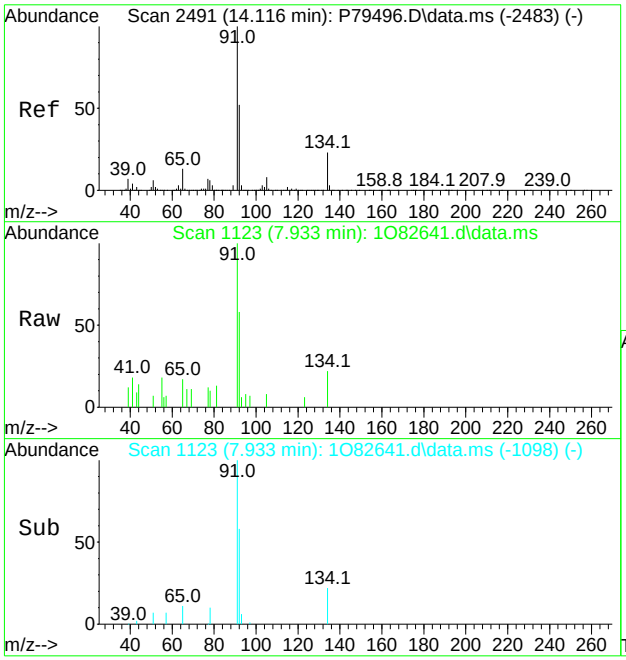


#104
1,2,3-Trimethylbenzene
Concen: 4.3318 ug/L
RT: 7.756 min Scan# 1094
Delta R.T. 0.000 min
Lab File: 1O82641.d
Acq: 14 Mar 2024 3:58 pm

Tgt Ion:105 Resp: 43559

Ion	Ratio	Lower	Upper
105	100		
120	42.4	10.0	70.0
119	8.8	0.0	39.0
77	11.4	0.0	43.2

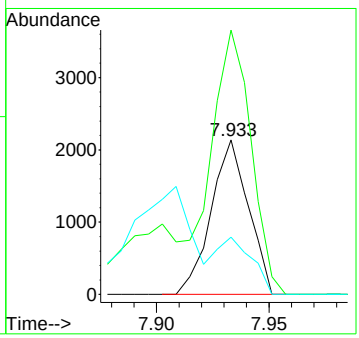


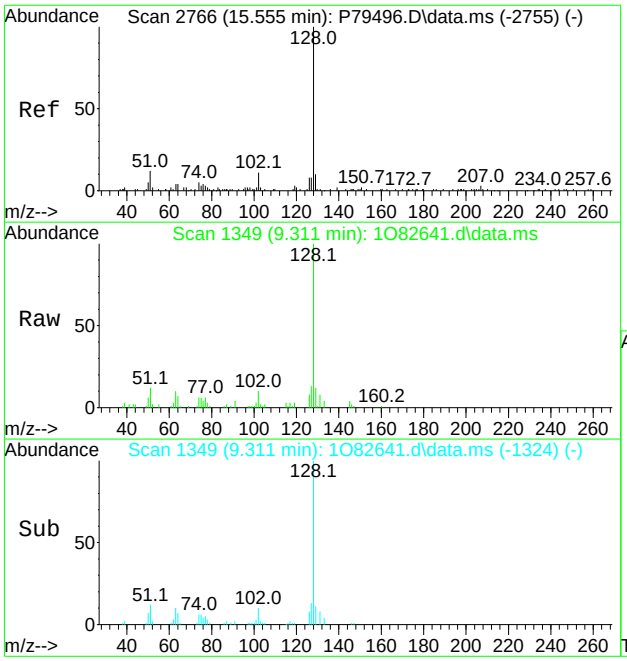


#106
n-Butylbenzene
Concen: 0.4680 ug/L
RT: 7.933 min Scan# 1123
Delta R.T. 0.000 min
Lab File: 1O82641.d
Acq: 14 Mar 2024 3:58 pm

Tgt Ion: 92 Resp: 2475

Ion	Ratio	Lower	Upper
92	100		
91	171.2	203.7	263.7#
134	37.1	10.7	70.7

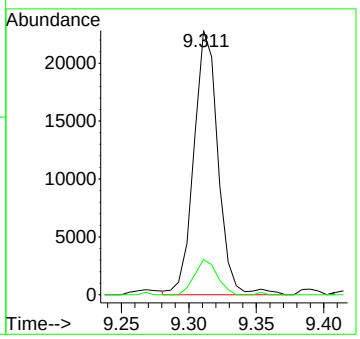




#112
Naphthalene
Concen: 2.2617 ug/L
RT: 9.311 min Scan# 1349
Delta R.T. 0.000 min
Lab File: 1O82641.d
Acq: 14 Mar 2024 3:58 pm

Tgt Ion:128 Resp: 28492

Ion	Ratio	Lower	Upper
128	100		
127	13.3	0.0	42.8



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-15-2024\
Data File : 1O82661.D
Acq On : 15 Mar 2024 12:48 pm
Operator : jeniferw
Sample : FC14007-3 Inst : MSVOA12
Misc : MS56102,V1O2977,,,,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 17 13:42:44 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration

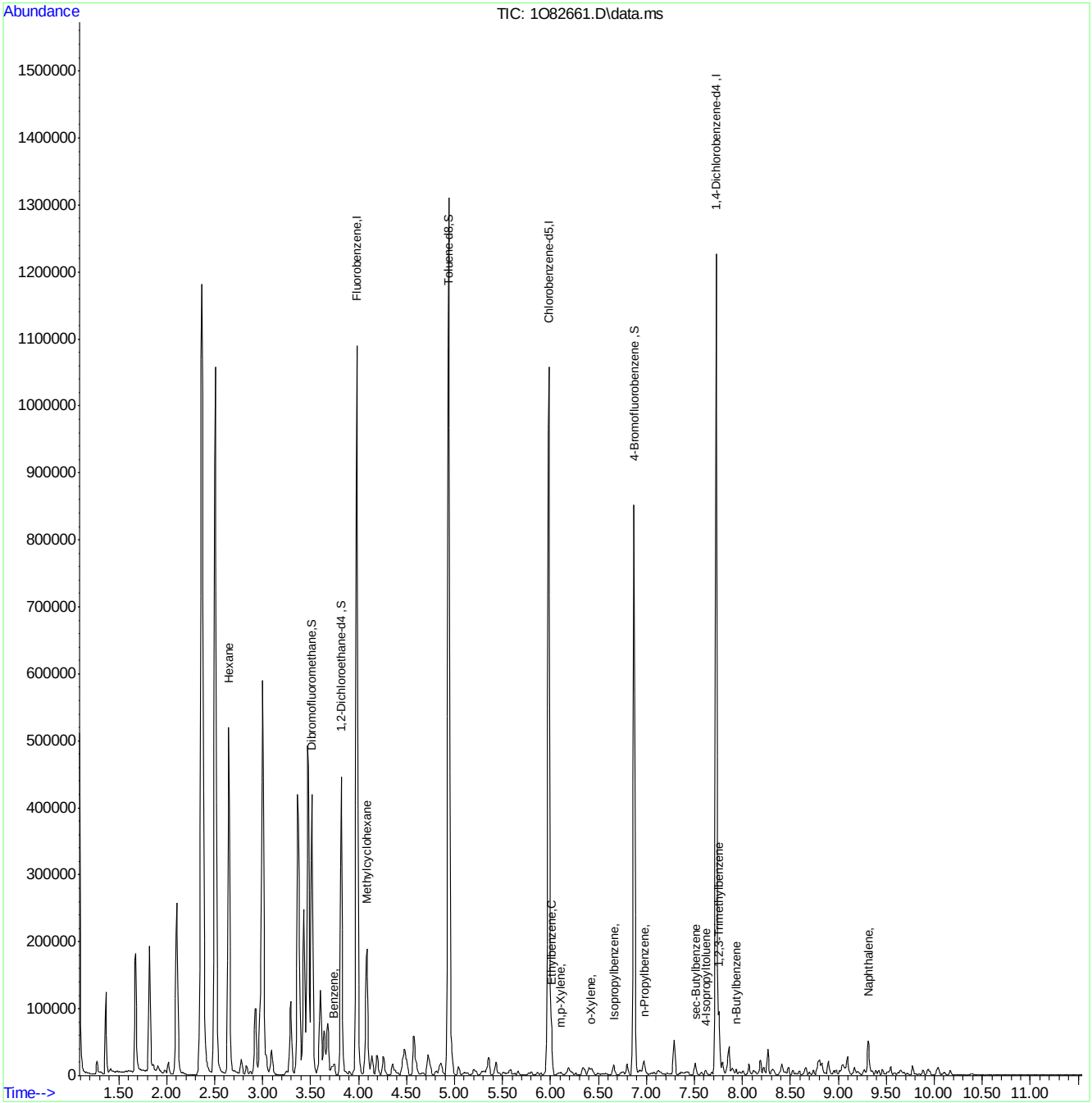
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	3.983	96	660397	50.00	ug/L		0.00
62) Chlorobenzene-d5	5.982	117	438328	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	7.726	152	230194	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	3.513	113	163865	48.72	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.44%				
50) 1,2-Dichloroethane-d4	3.818	65	219770	51.45	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 102.90%				
63) Toluene-d8	4.940	98	648525	50.45	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.90%				
86) 4-Bromofluorobenzene	6.872	174	164874	50.40	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.80%				
Target Compounds							Qvalue
22) Hexane	2.647	56	92543	39.07	ug/L		89
47) Benzene	3.745	78	9757	0.89	ug/L		78
54) Methylcyclohexane	4.086	83	51485	12.20	ug/L		93
77) Ethylbenzene	6.013	91	39274	3.22	ug/L		99
80) m,p-Xylene	6.110	91	2121	0.22	ug/L		98
81) o-Xylene	6.427	91	2436	0.24	ug/L		92
84) Isopropylbenzene	6.659	105	7236	0.64	ug/L		97
88) n-Propylbenzene	6.976	91	13691	1.00	ug/L		99
101) sec-Butylbenzene	7.512	105	8592	0.78	ug/L		82
102) 4-Isopropyltoluene	7.616	119	2002	0.21	ug/L		96
104) 1,2,3-Trimethylbenzene	7.756	105	40155	4.04	ug/L		97
106) n-Butylbenzene	7.933	92	1880	0.36	ug/L	#	68
112) Naphthalene	9.311	128	24793	1.99	ug/L		97

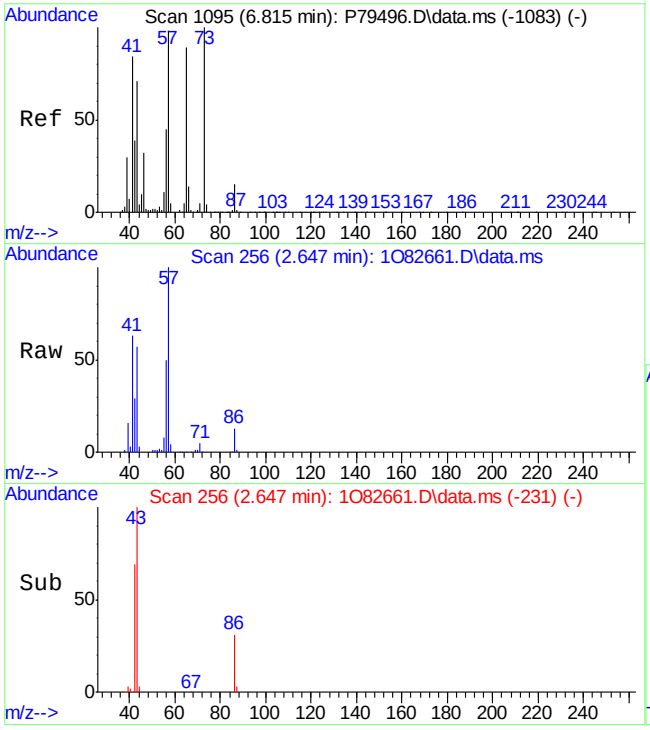
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-15-2024\
Data File : 1O82661.D
Acq On : 15 Mar 2024 12:48 pm
Operator : jeniferw
Sample : FC14007-3 Inst : MSVOA12
Misc : MS56102,V1O2977,,,,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 17 13:42:44 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration

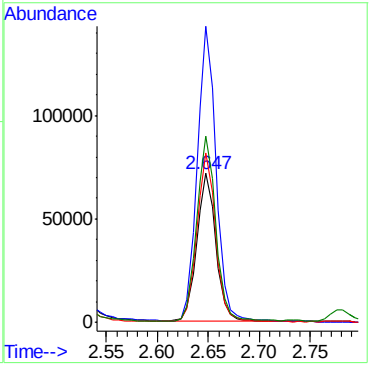


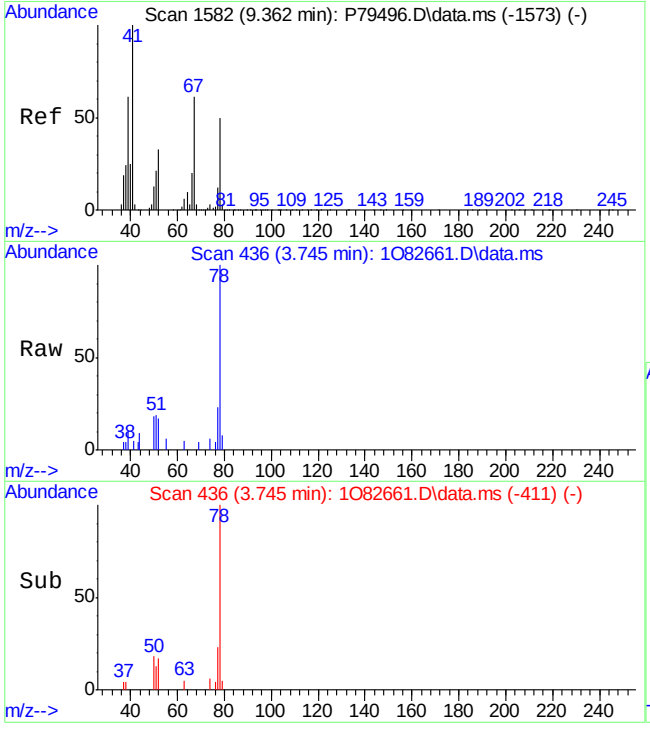


#22
Hexane
Concen: 39.07 ug/L
RT: 2.647 min Scan# 256
Delta R.T. 0.000 min
Lab File: 1O82661.D
Acq: 15 Mar 2024 12:48 pm

Tgt Ion: 56 Resp: 92543

Ion	Ratio	Lower	Upper
56	100		
57	199.1	195.9	235.9
43	114.0	104.6	144.6
41	124.4	121.6	161.6

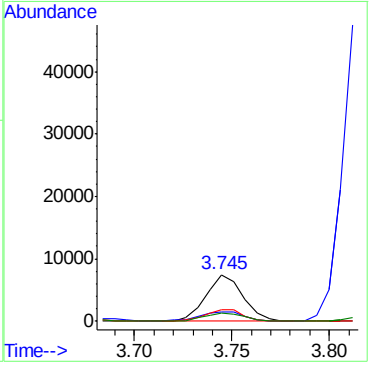


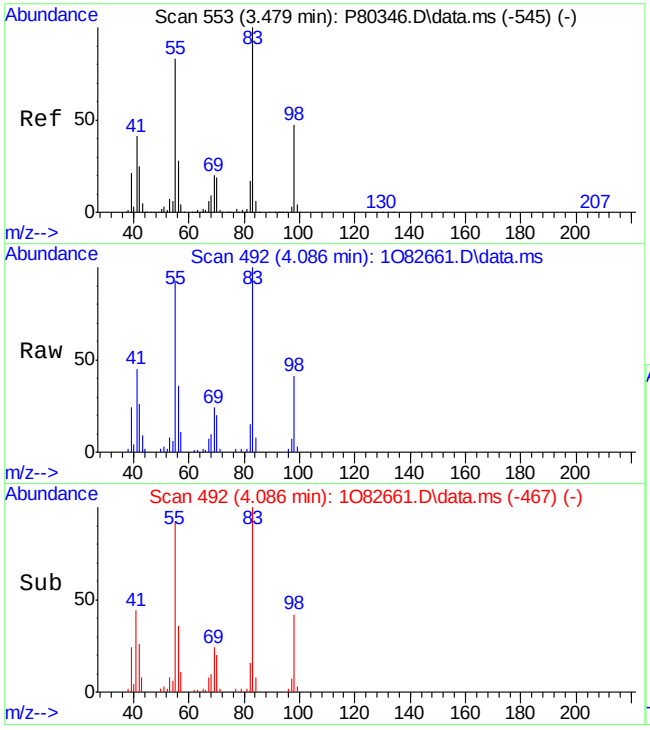


#47
Benzene
Concen: 0.89 ug/L
RT: 3.745 min Scan# 436
Delta R.T. 0.000 min
Lab File: 1O82661.D
Acq: 15 Mar 2024 12:48 pm

Tgt Ion: 78 Resp: 9757

Ion	Ratio	Lower	Upper
78	100		
51	19.1	1.5	61.5
77	23.2	0.0	53.0
52	17.3	8.1	68.1

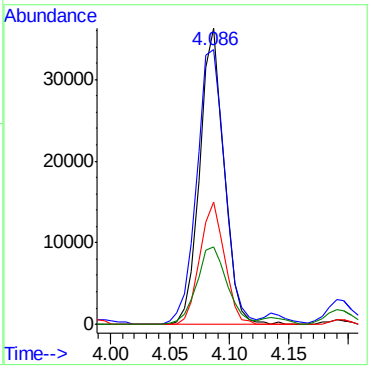


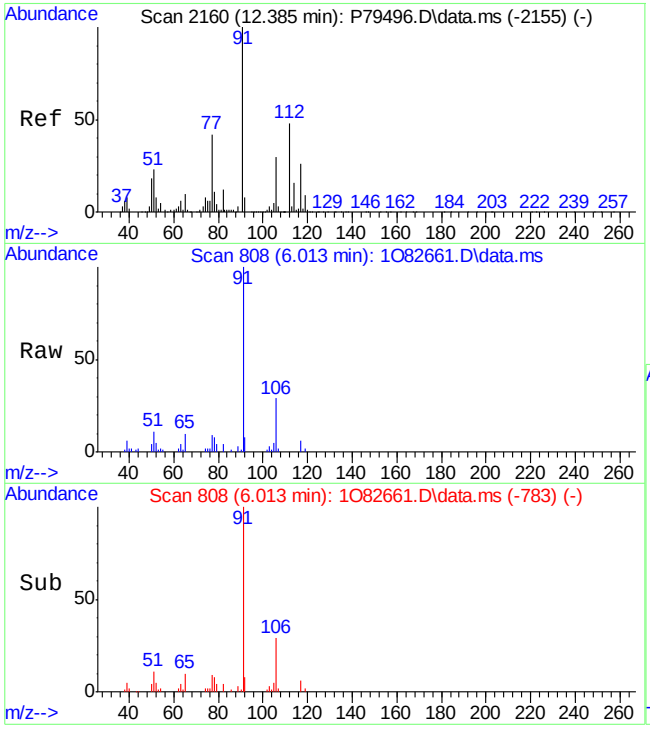


#54
Methylcyclohexane
Concen: 12.20 ug/L
RT: 4.086 min Scan# 492
Delta R.T. 0.000 min
Lab File: 1O82661.D
Acq: 15 Mar 2024 12:48 pm

Tgt Ion: 83 Resp: 51485

Ion	Ratio	Lower	Upper
83	100		
55	92.9	66.3	106.3
98	41.3	25.3	65.3
42	26.3	3.5	43.5

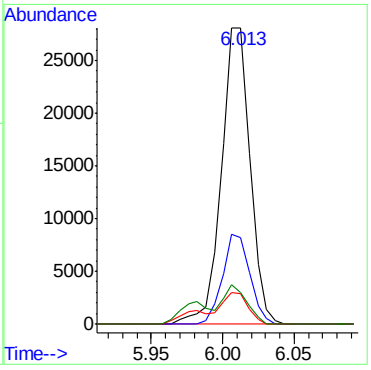


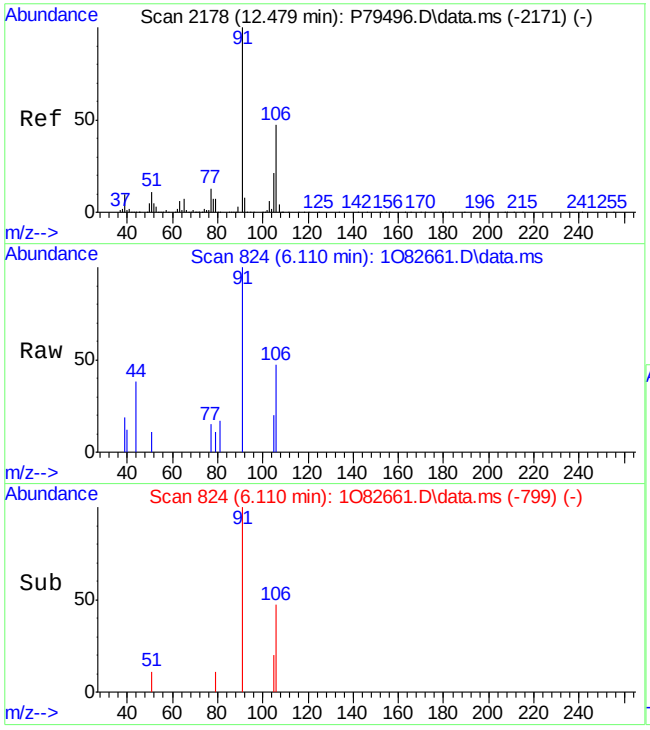


#77
Ethylbenzene
Concen: 3.22 ug/L
RT: 6.013 min Scan# 808
Delta R.T. 0.000 min
Lab File: 1O82661.D
Acq: 15 Mar 2024 12:48 pm

Tgt Ion: 91 Resp: 39274

Ion	Ratio	Lower	Upper
91	100		
106	29.1	0.0	59.8
65	10.2	0.0	39.2
51	10.8	0.0	40.8

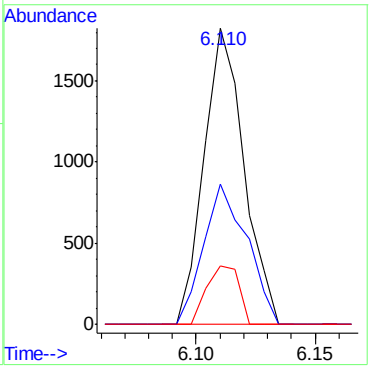


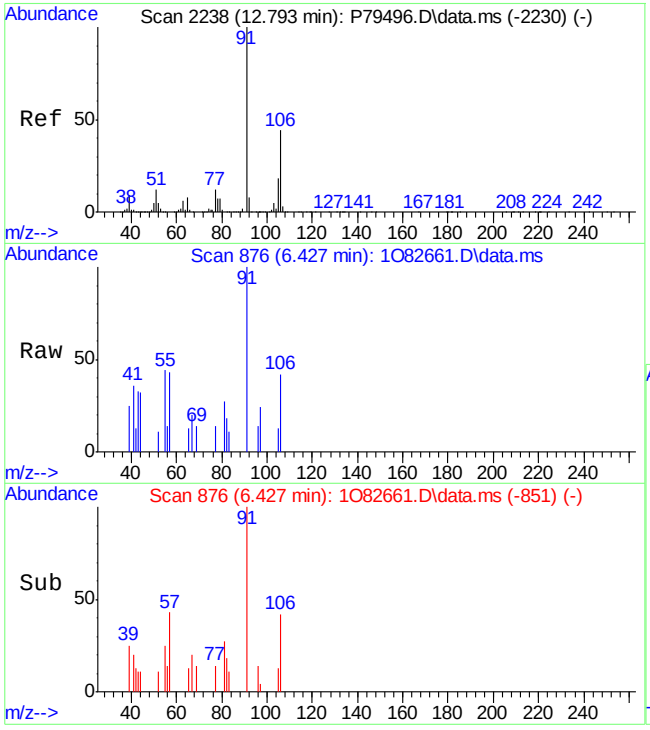


#80
m,p-Xylene
Concen: 0.22 ug/L
RT: 6.110 min Scan# 824
Delta R.T. 0.000 min
Lab File: 1O82661.D
Acq: 15 Mar 2024 12:48 pm

Tgt Ion: 91 Resp: 2121

Ion	Ratio	Lower	Upper
91	100		
106	47.5	17.8	77.8
105	19.7	0.0	52.0

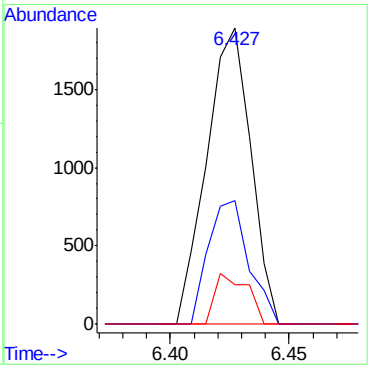


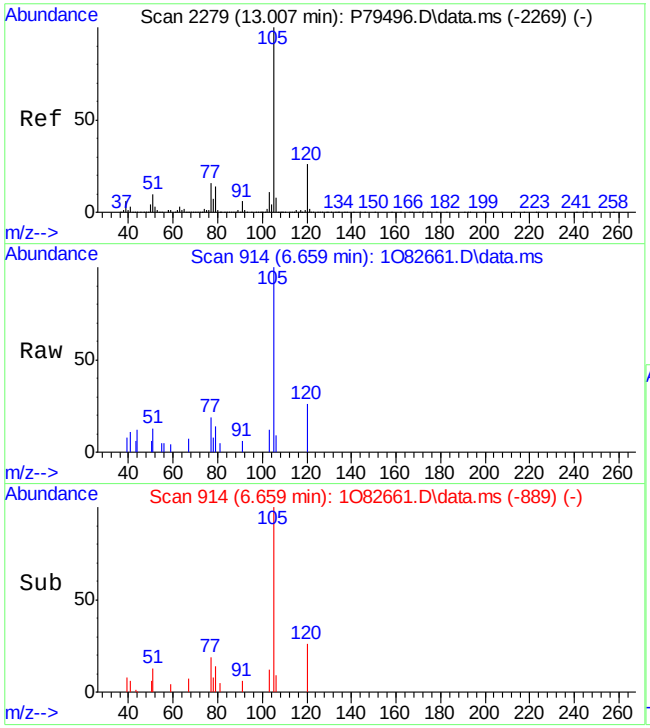


#81
o-Xylene
Concen: 0.24 ug/L
RT: 6.427 min Scan# 876
Delta R.T. 0.000 min
Lab File: 1O82661.D
Acq: 15 Mar 2024 12:48 pm

Tgt Ion: 91 Resp: 2436

Ion	Ratio	Lower	Upper
91	100		
106	41.8	16.4	76.4
105	13.2	0.0	48.4

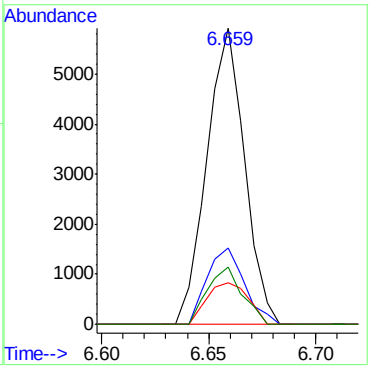


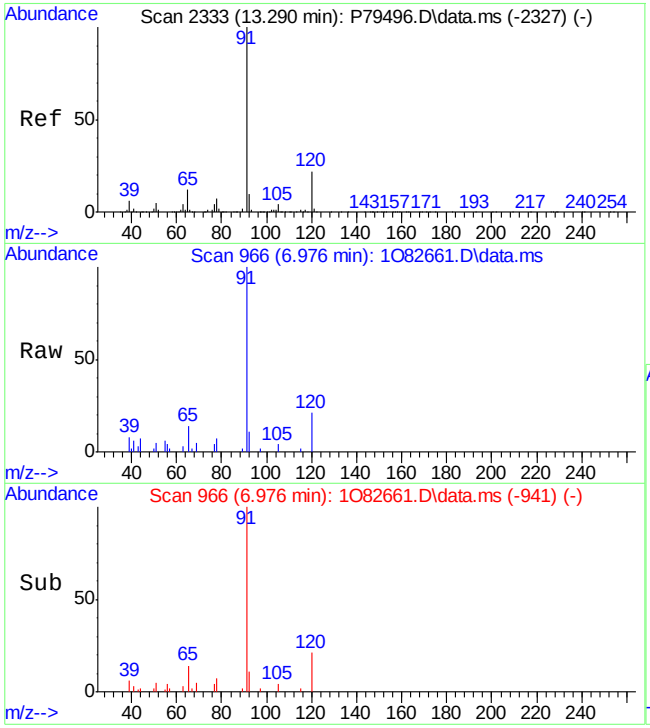


#84
Isopropylbenzene
Concen: 0.64 ug/L
RT: 6.659 min Scan# 914
Delta R.T. -0.000 min
Lab File: 1O82661.D
Acq: 15 Mar 2024 12:48 pm

Tgt Ion:105 Resp: 7236

Ion	Ratio	Lower	Upper
105	100		
120	25.8	0.0	55.3
79	13.9	0.0	43.4
77	19.4	0.0	45.7

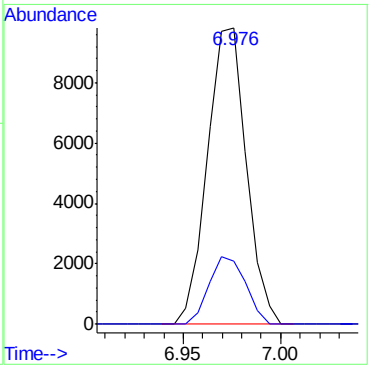


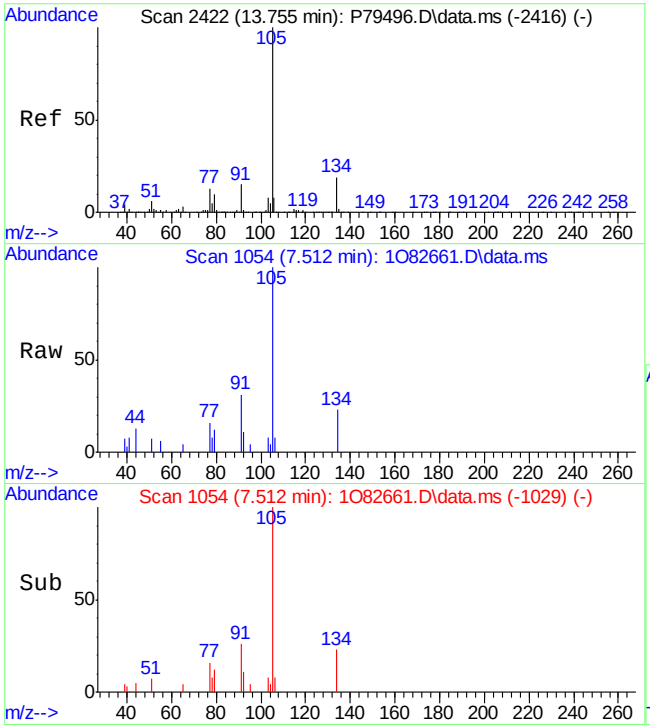


#88
n-Propylbenzene
Concen: 1.00 ug/L
RT: 6.976 min Scan# 966
Delta R.T. 0.000 min
Lab File: 1O82661.D
Acq: 15 Mar 2024 12:48 pm

Tgt Ion: 91 Resp: 13691

Ion	Ratio	Lower	Upper
91	100		
120	21.4	0.0	51.8

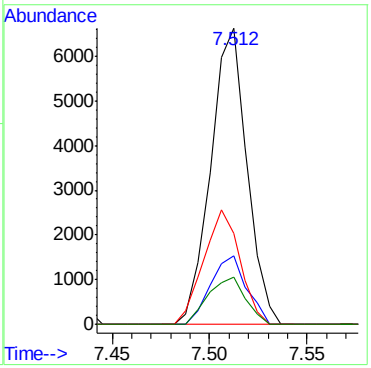


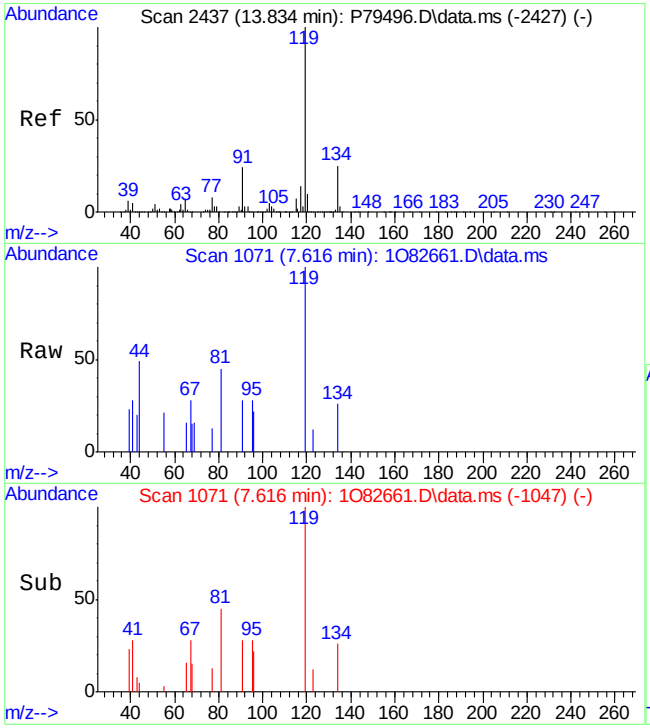


#101
sec-Butylbenzene
Concen: 0.78 ug/L
RT: 7.512 min Scan# 1054
Delta R.T. 0.000 min
Lab File: 1O82661.D
Acq: 15 Mar 2024 12:48 pm

Tgt Ion:105 Resp: 8592

Ion	Ratio	Lower	Upper
105	100		
134	23.0	0.0	48.7
91	30.7	0.0	46.0
77	15.8	0.0	42.6

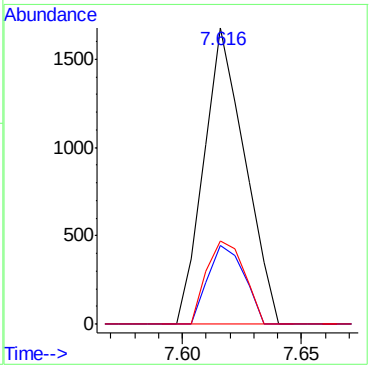


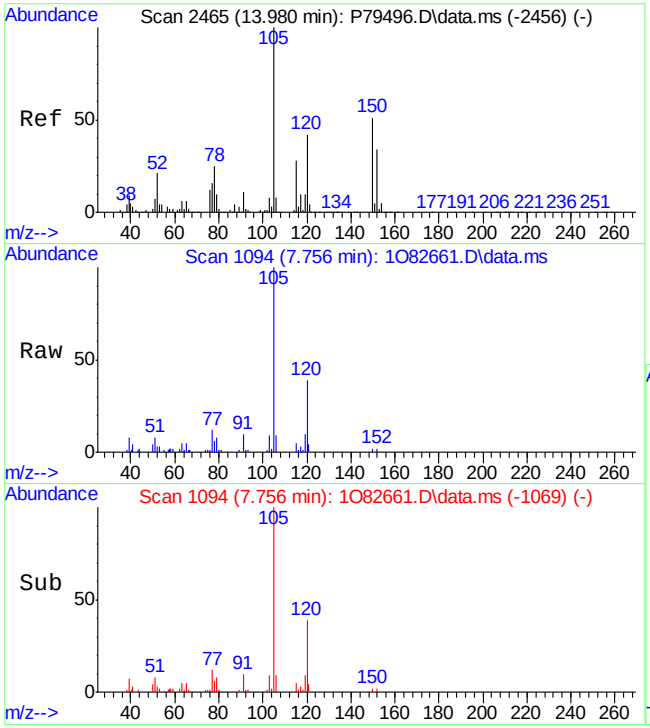


#102
4-Isopropyltoluene
Concen: 0.21 ug/L
RT: 7.616 min Scan# 1071
Delta R.T. -0.006 min
Lab File: 1O82661.D
Acq: 15 Mar 2024 12:48 pm

Tgt Ion:119 Resp: 2002

Ion	Ratio	Lower	Upper
119	100		
134	26.4	0.0	55.4
91	28.0	0.0	55.0

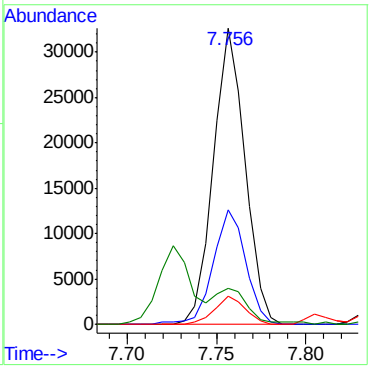


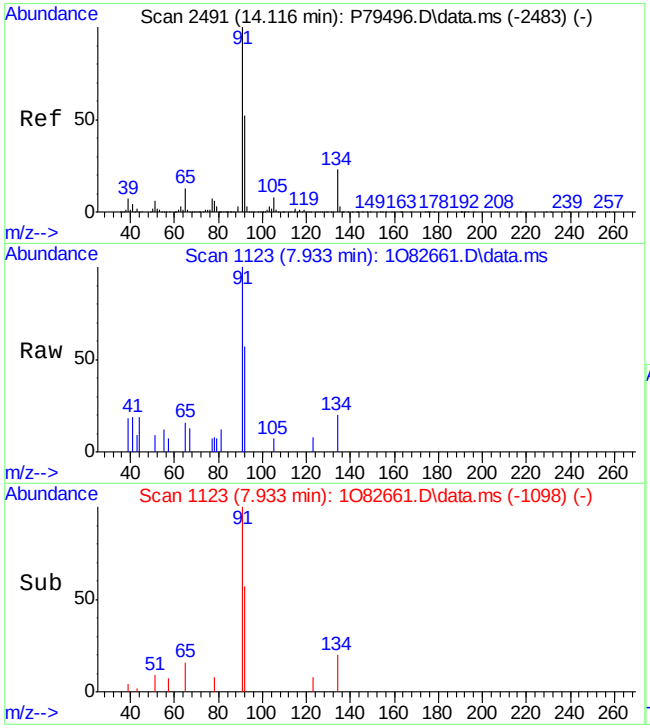


#104
1,2,3-Trimethylbenzene
Concen: 4.04 ug/L
RT: 7.756 min Scan# 1094
Delta R.T. 0.000 min
Lab File: 1O82661.D
Acq: 15 Mar 2024 12:48 pm

Tgt Ion:105 Resp: 40155

Ion	Ratio	Lower	Upper
105	100		
120	38.6	10.0	70.0
119	9.7	0.0	39.0
77	11.3	0.0	43.2

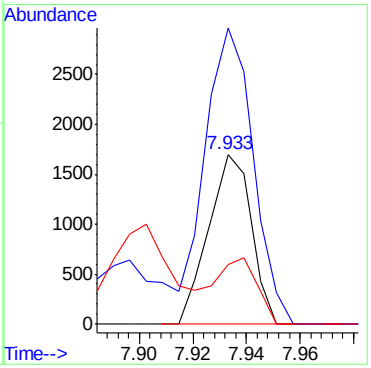


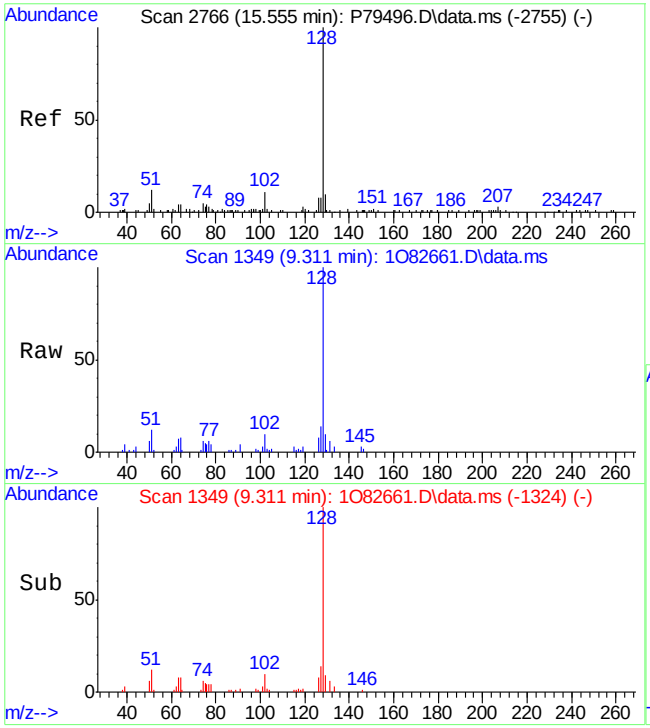


#106
n-Butylbenzene
Concen: 0.36 ug/L
RT: 7.933 min Scan# 1123
Delta R.T. 0.000 min
Lab File: 1O82661.D
Acq: 15 Mar 2024 12:48 pm

Tgt Ion: 92 Resp: 1880

Ion	Ratio	Lower	Upper
92	100		
91	174.3	203.7	263.7#
134	34.9	10.7	70.7

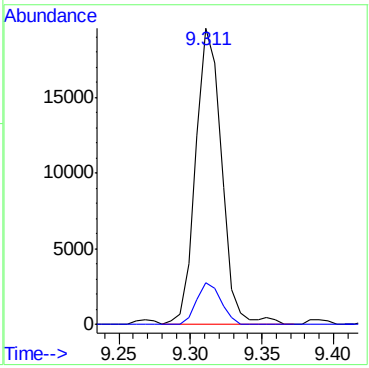




#112
Naphthalene
Concen: 1.99 ug/L
RT: 9.311 min Scan# 1349
Delta R.T. 0.000 min
Lab File: 1O82661.D
Acq: 15 Mar 2024 12:48 pm

Tgt Ion:128 Resp: 24793

Ion	Ratio	Lower	Upper
128	100		
127	14.1	0.0	42.8



Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\V1O2976\
Data File : 1O82642.d
Acq On : 14 Mar 2024 4:23 pm
Operator : jeniferw
Sample : FC14007-4 Inst : MSVOA12
Misc : MS56094,V1O2976,,,,,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Mar 15 09:22:36 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\method\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration

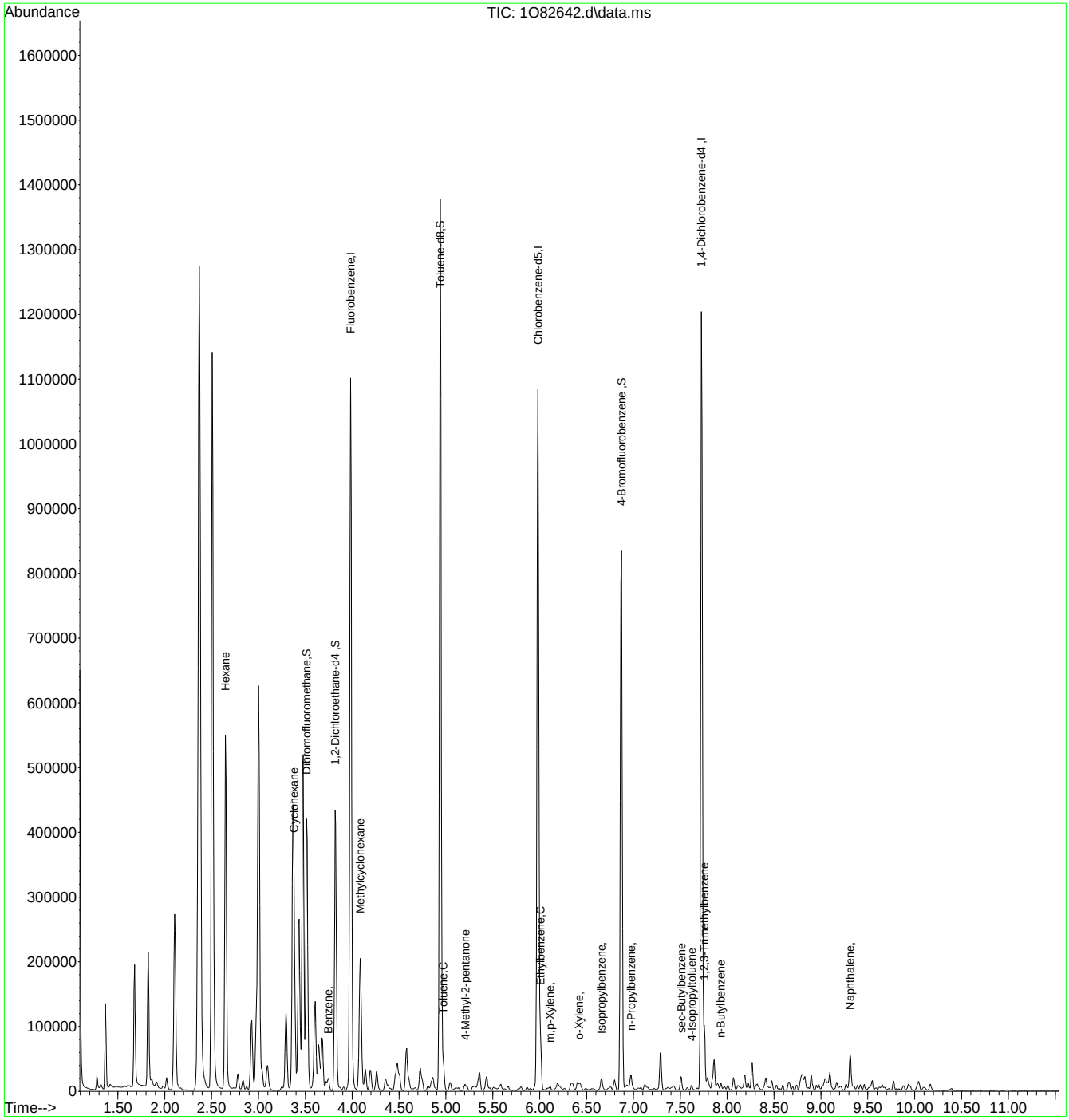
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.983	96	665019	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.982	117	446196	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.726	152	232522	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.513	113	165472	48.86	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.72%			
50) 1,2-Dichloroethane-d4	3.818	65	218989	50.91	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 101.82%			
63) Toluene-d8	4.940	98	657805	50.27	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.54%			
86) 4-Bromofluorobenzene	6.872	174	167559	50.71	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.42%			
Target Compounds						Qvalue
22) Hexane	2.647	56	100482	42.1223	ug/L #	84
35) Cyclohexane	3.379	56	109427	20.6724	ug/L #	72
47) Benzene	3.745	78	10466	0.9458	ug/L	85
54) Methylcyclohexane	4.086	83	55634	13.0905	ug/L	90
64) Toluene	4.970	91	5372	0.4706	ug/L	98
66) 4-Methyl-2-pentanone	5.208	43	5865	1.2901	ug/L	65
77) Ethylbenzene	6.007	91	41621	3.3554	ug/L	98
80) m,p-Xylene	6.110	91	2567	0.2602	ug/L	92
81) o-Xylene	6.421	91	2674	0.2597	ug/L	88
84) Isopropylbenzene	6.659	105	8198	0.7116	ug/L	98
88) n-Propylbenzene	6.976	91	15718	1.1345	ug/L	95
101) sec-Butylbenzene	7.512	105	9688	0.8664	ug/L	86
102) 4-Isopropyltoluene	7.622	119	2231	0.2367	ug/L	94
104) 1,2,3-Trimethylbenzene	7.756	105	44110	4.3987	ug/L	99
106) n-Butylbenzene	7.933	92	2042	0.3872	ug/L #	81
112) Naphthalene	9.311	128	26755	2.1296	ug/L	97

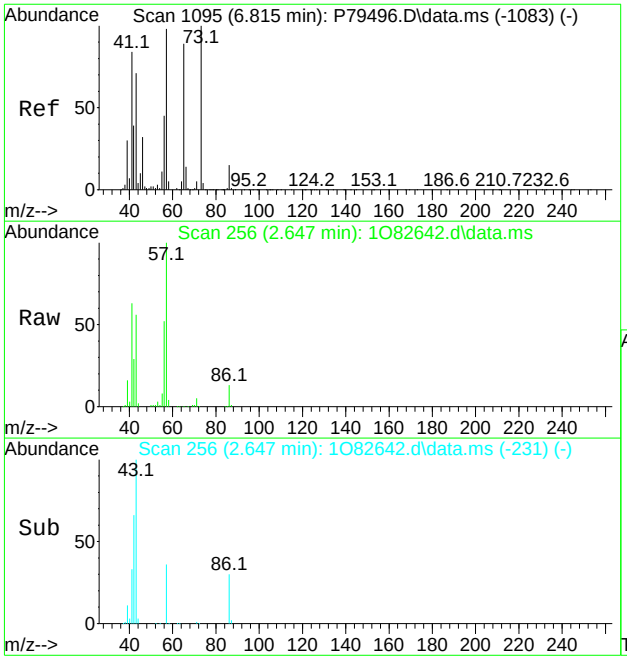
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\V1O2976\
Data File : 1O82642.d
Acq On : 14 Mar 2024 4:23 pm
Operator : jeniferw
Sample : FC14007-4 Inst : MSVOA12
Misc : MS56094,V1O2976,,,,,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Mar 15 09:22:36 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\method\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration

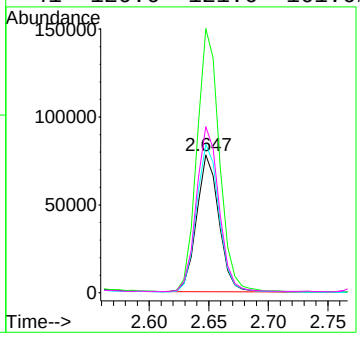


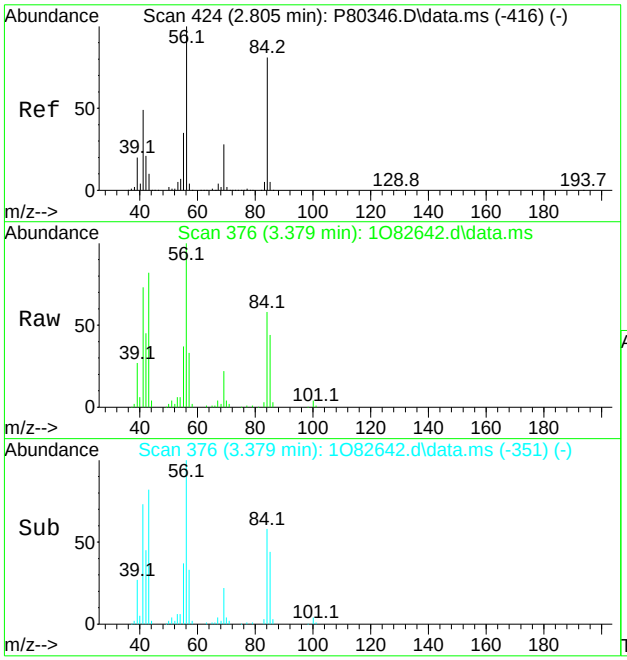


#22
Hexane
Concen: 42.1223 ug/L
RT: 2.647 min Scan# 256
Delta R.T. 0.000 min
Lab File: 1O82642.d
Acq: 14 Mar 2024 4:23 pm

Tgt Ion: 56 Resp: 100482

Ion	Ratio	Lower	Upper
56	100		
57	192.3	195.9	235.9#
43	107.9	104.6	144.6
41	120.6	121.6	161.6#

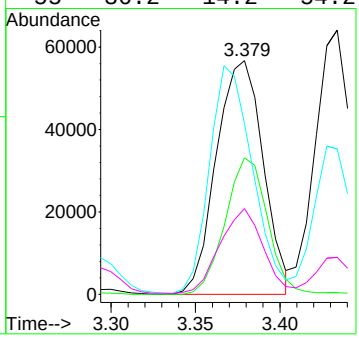


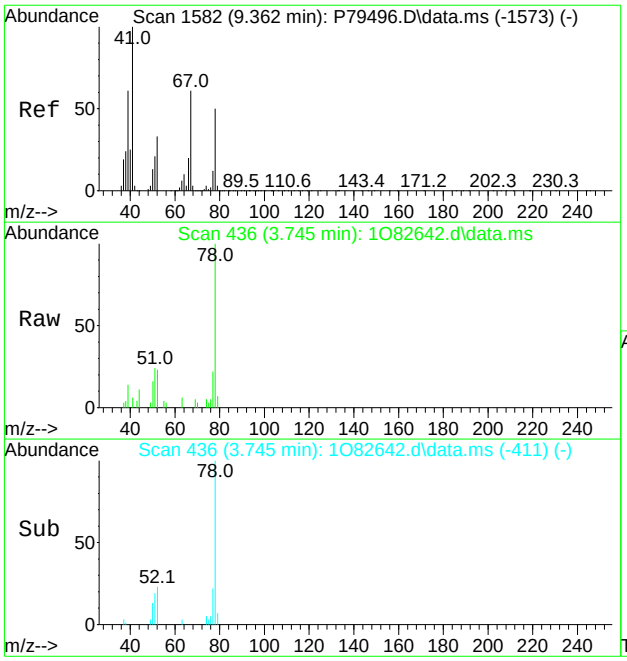


#35
Cyclohexane
Concen: 20.6724 ug/L
RT: 3.379 min Scan# 376
Delta R.T. 0.000 min
Lab File: 1O82642.d
Acq: 14 Mar 2024 4:23 pm

Tgt Ion: 56 Resp: 109427

Ion	Ratio	Lower	Upper
56	100		
84	58.4	51.9	91.9
41	72.6	4.6	44.6#
55	36.2	14.2	54.2

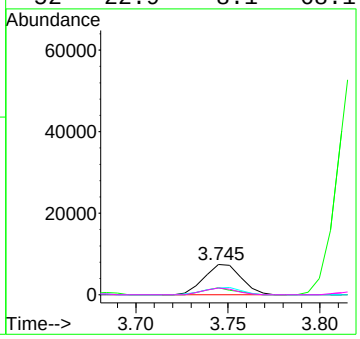


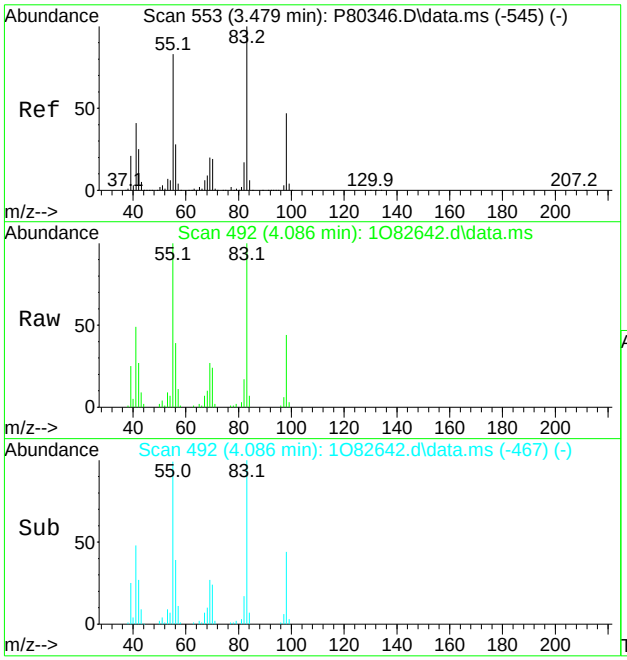


#47
Benzene
Concen: 0.9458 ug/L
RT: 3.745 min Scan# 436
Delta R.T. 0.000 min
Lab File: 1O82642.d
Acq: 14 Mar 2024 4:23 pm

Tgt Ion: 78 Resp: 10466

Ion	Ratio	Lower	Upper
78	100		
51	23.7	1.5	61.5
77	22.4	0.0	53.0
52	22.9	8.1	68.1

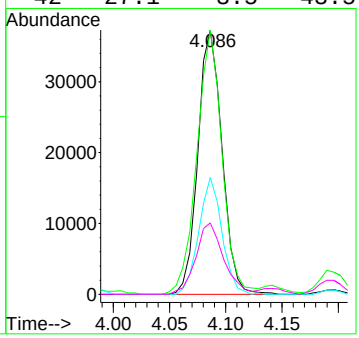


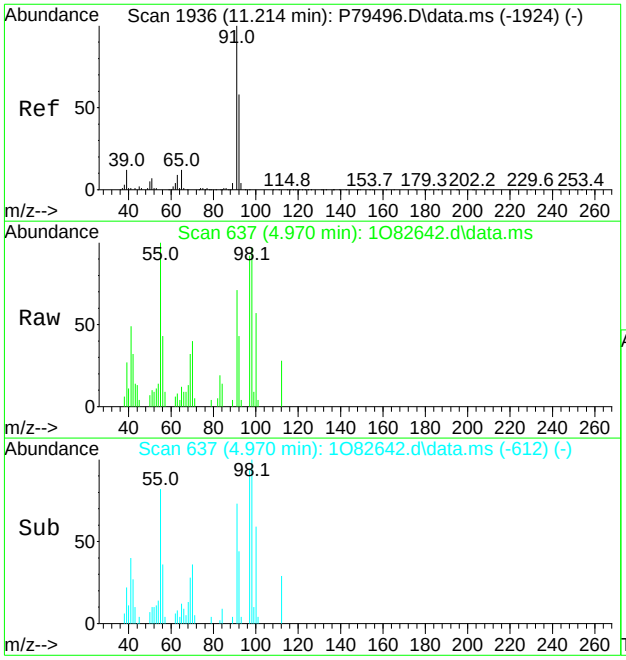


#54
Methylcyclohexane
Concen: 13.0905 ug/L
RT: 4.086 min Scan# 492
Delta R.T. 0.000 min
Lab File: 1O82642.d
Acq: 14 Mar 2024 4:23 pm

Tgt Ion: 83 Resp: 55634

Ion	Ratio	Lower	Upper
83	100		
55	100.2	66.3	106.3
98	44.3	25.3	65.3
42	27.1	3.5	43.5

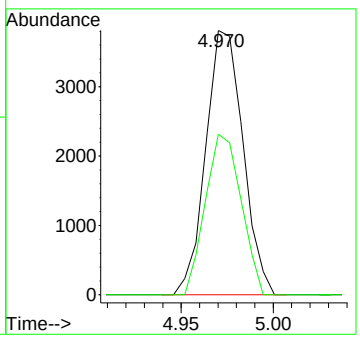


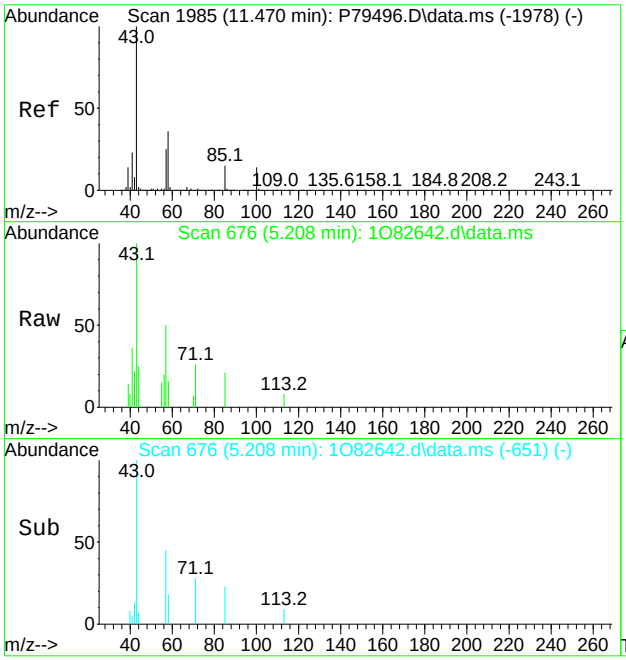


#64
Toluene
Concen: 0.4706 ug/L
RT: 4.970 min Scan# 637
Delta R.T. 0.000 min
Lab File: 1O82642.d
Acq: 14 Mar 2024 4:23 pm

Tgt Ion: 91 Resp: 5372

Ion	Ratio	Lower	Upper
91	100		
92	60.7	29.0	89.0

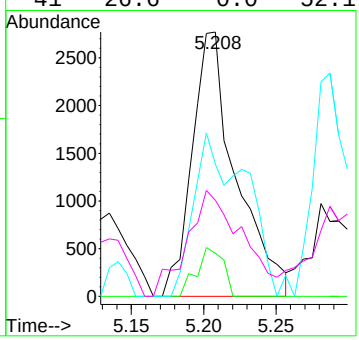


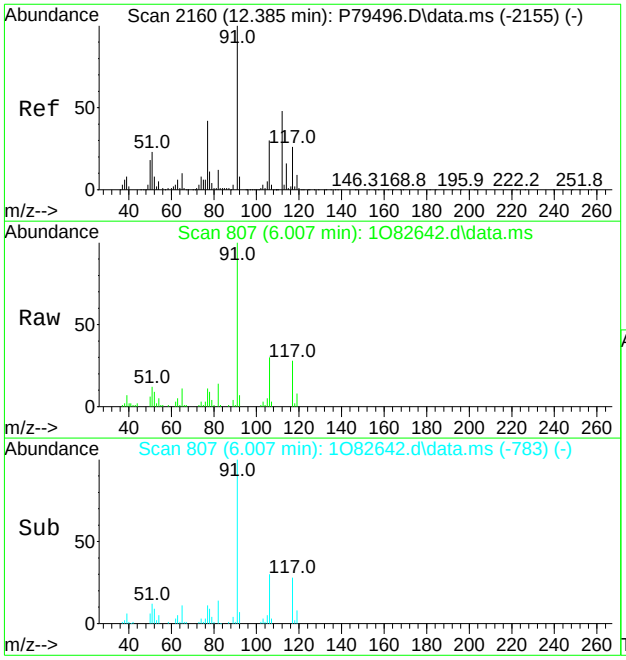


#66
4-Methyl-2-pentanone
Concen: 1.2901 ug/L
RT: 5.208 min Scan# 676
Delta R.T. -0.000 min
Lab File: 1O82642.d
Acq: 14 Mar 2024 4:23 pm

Tgt Ion: 43 Resp: 5865

Ion	Ratio	Lower	Upper
43	100		
58	16.3	16.2	76.2
57	50.0	0.0	58.9
41	26.6	0.0	52.1

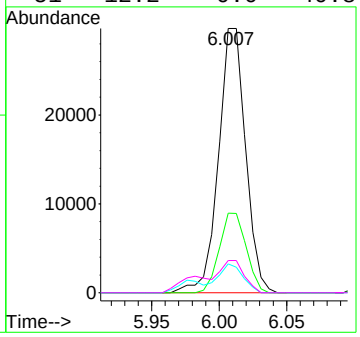


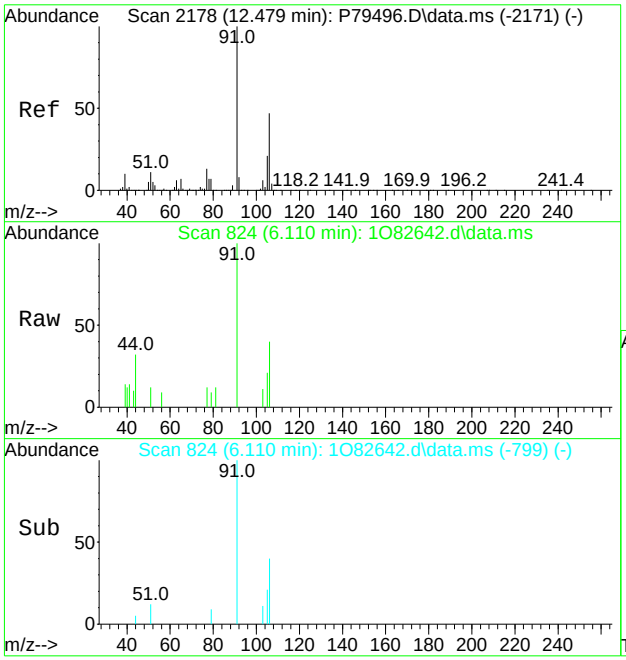


#77
Ethylbenzene
Concen: 3.3554 ug/L
RT: 6.007 min Scan# 807
Delta R.T. -0.006 min
Lab File: 1O82642.d
Acq: 14 Mar 2024 4:23 pm

Tgt Ion: 91 Resp: 41621

Ion	Ratio	Lower	Upper
91	100		
106	30.2	0.0	59.8
65	10.9	0.0	39.2
51	12.2	0.0	40.8

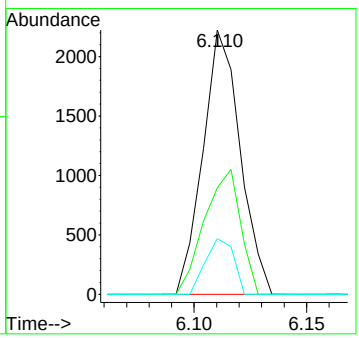


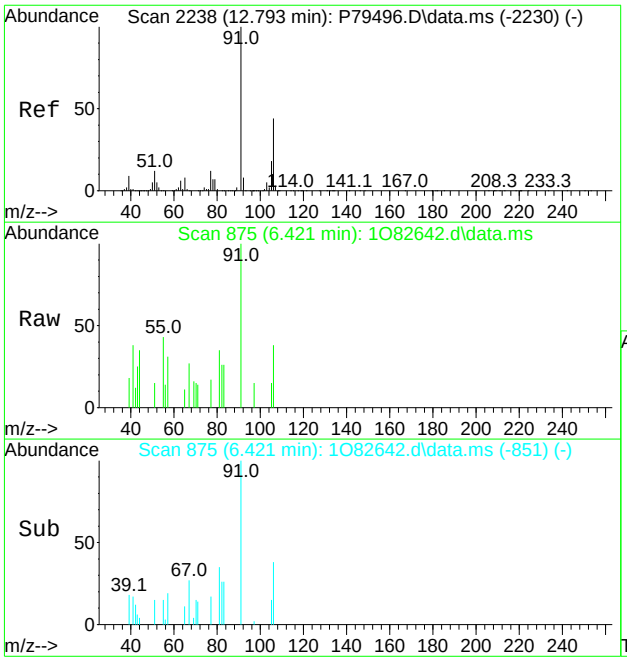


#80
m,p-Xylene
Concen: 0.2602 ug/L
RT: 6.110 min Scan# 824
Delta R.T. 0.000 min
Lab File: 1O82642.d
Acq: 14 Mar 2024 4:23 pm

Tgt Ion: 91 Resp: 2567

Ion	Ratio	Lower	Upper
91	100		
106	40.2	17.8	77.8
105	21.1	0.0	52.0

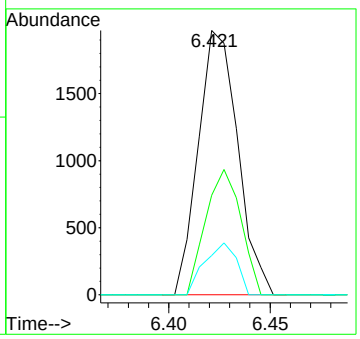


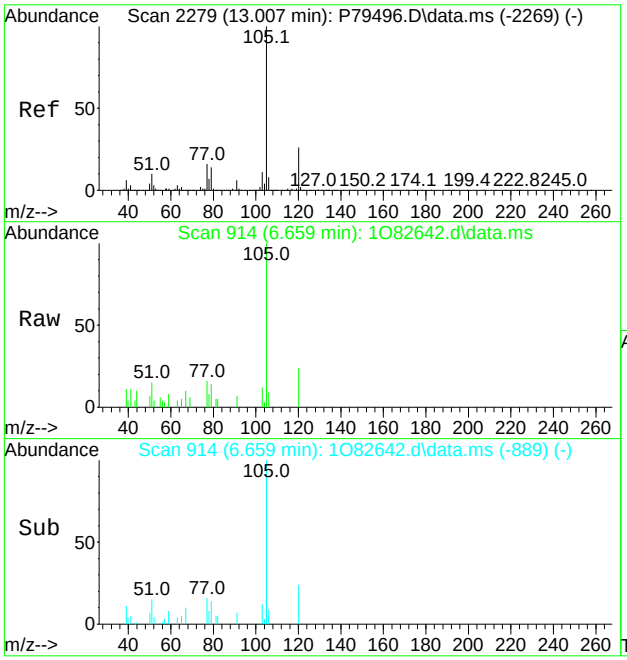


#81
o-Xylene
Concen: 0.2597 ug/L
RT: 6.421 min Scan# 875
Delta R.T. -0.006 min
Lab File: 1O82642.d
Acq: 14 Mar 2024 4:23 pm

Tgt Ion: 91 Resp: 2674

Ion	Ratio	Lower	Upper
91	100		
106	37.7	16.4	76.4
105	14.9	0.0	48.4

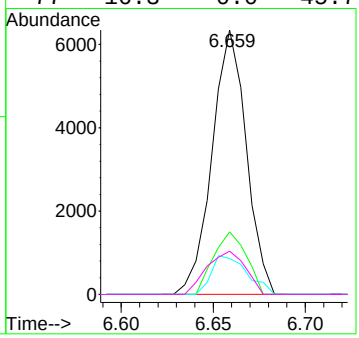


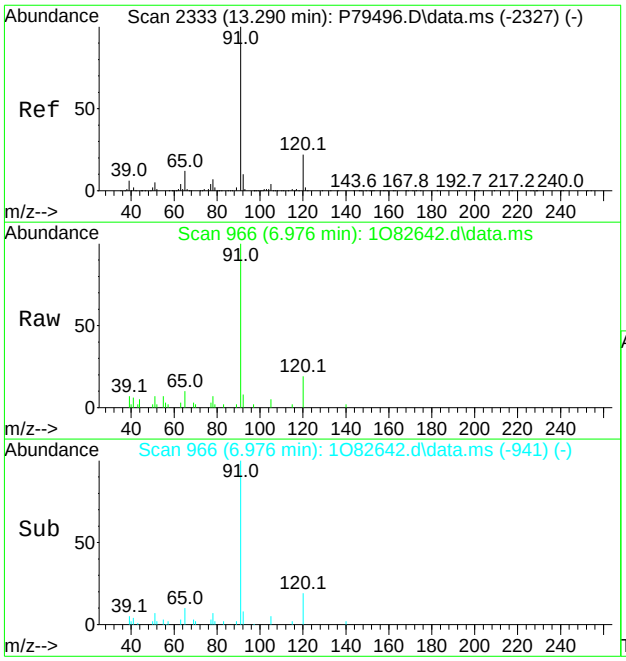


#84
Isopropylbenzene
Concen: 0.7116 ug/L
RT: 6.659 min Scan# 914
Delta R.T. -0.000 min
Lab File: 1O82642.d
Acq: 14 Mar 2024 4:23 pm

Tgt Ion:105 Resp: 8198

Ion	Ratio	Lower	Upper
105	100		
120	23.6	0.0	55.3
79	13.6	0.0	43.4
77	16.3	0.0	45.7

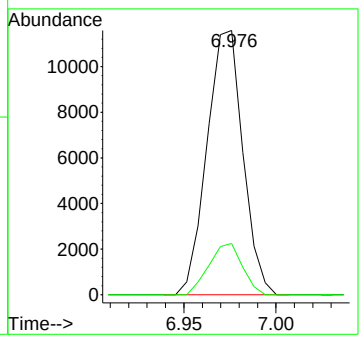


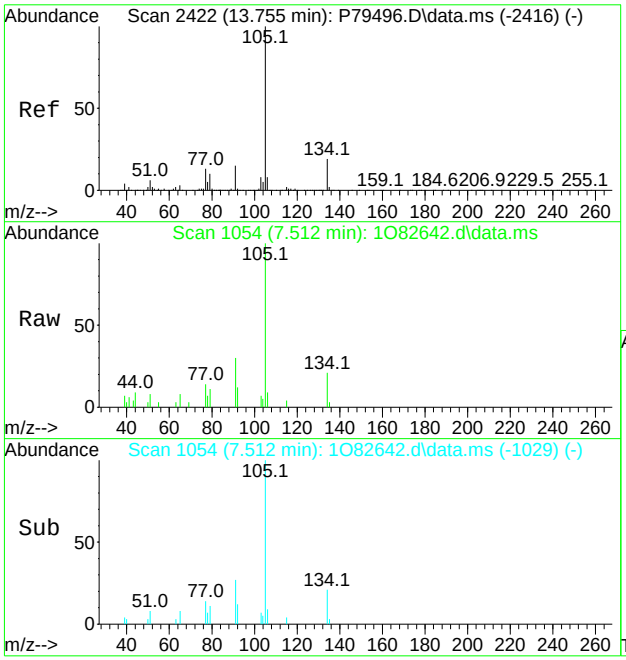


#88
n-Propylbenzene
Concen: 1.1345 ug/L
RT: 6.976 min Scan# 966
Delta R.T. 0.000 min
Lab File: 1O82642.d
Acq: 14 Mar 2024 4:23 pm

Tgt Ion: 91 Resp: 15718

Ion	Ratio	Lower	Upper
91	100		
120	19.4	0.0	51.8

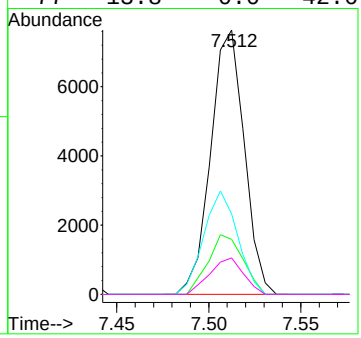


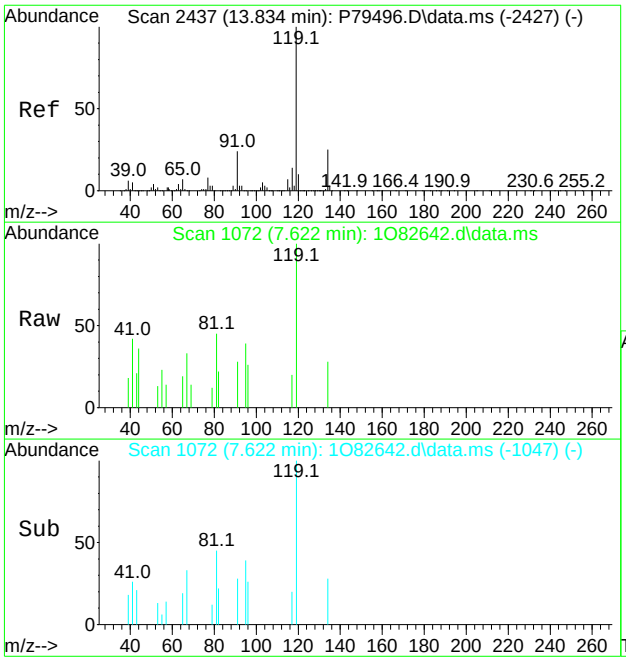


#101
sec-Butylbenzene
Concen: 0.8664 ug/L
RT: 7.512 min Scan# 1054
Delta R.T. 0.000 min
Lab File: 1O82642.d
Acq: 14 Mar 2024 4:23 pm

Tgt Ion:105 Resp: 9688

Ion	Ratio	Lower	Upper
105	100		
134	20.8	0.0	48.7
91	30.4	0.0	46.0
77	13.8	0.0	42.6

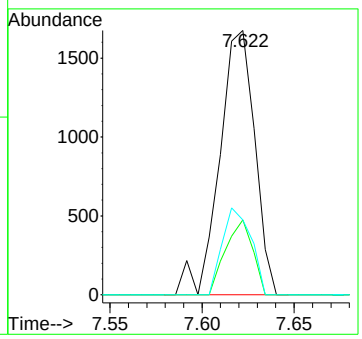


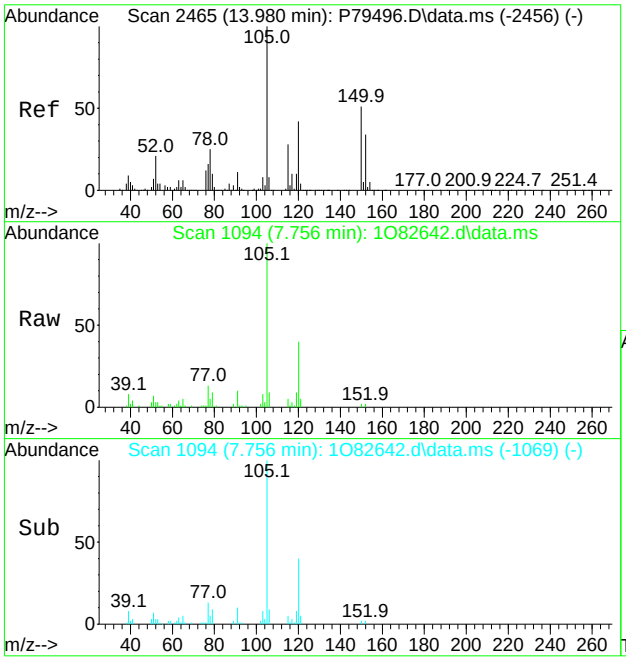


#102
4-Isopropyltoluene
Concen: 0.2367 ug/L
RT: 7.622 min Scan# 1072
Delta R.T. 0.000 min
Lab File: 1O82642.d
Acq: 14 Mar 2024 4:23 pm

Tgt Ion:119 Resp: 2231

Ion	Ratio	Lower	Upper
119	100		
134	28.3	0.0	55.4
91	28.3	0.0	55.0

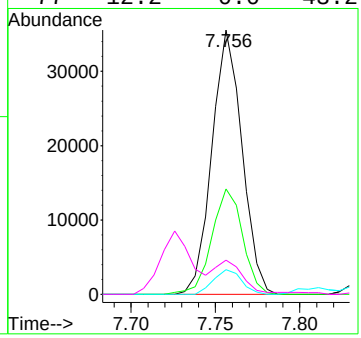


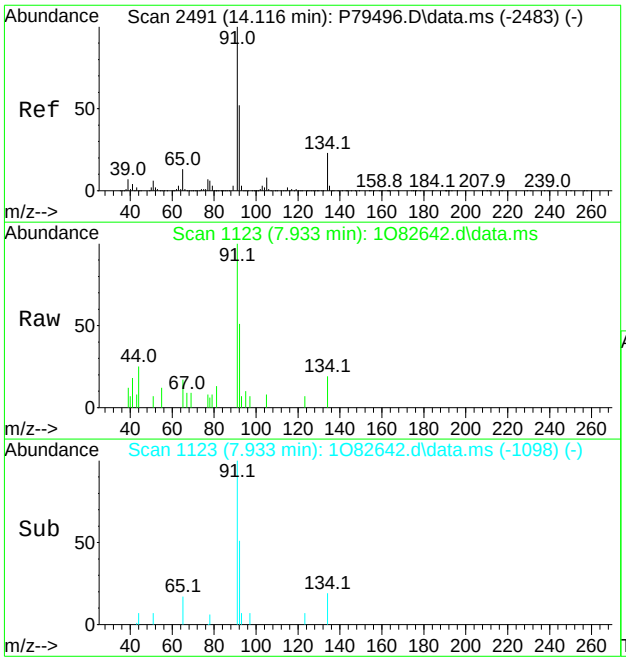


#104
1,2,3-Trimethylbenzene
Concen: 4.3987 ug/L
RT: 7.756 min Scan# 1094
Delta R.T. 0.000 min
Lab File: 1O82642.d
Acq: 14 Mar 2024 4:23 pm

Tgt Ion:105 Resp: 44110

Ion	Ratio	Lower	Upper
105	100		
120	39.8	10.0	70.0
119	9.3	0.0	39.0
77	12.2	0.0	43.2

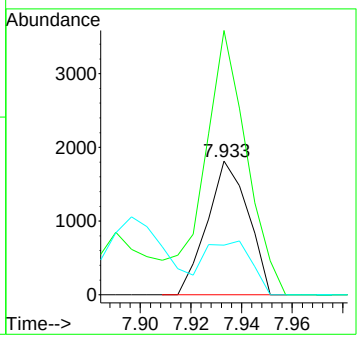


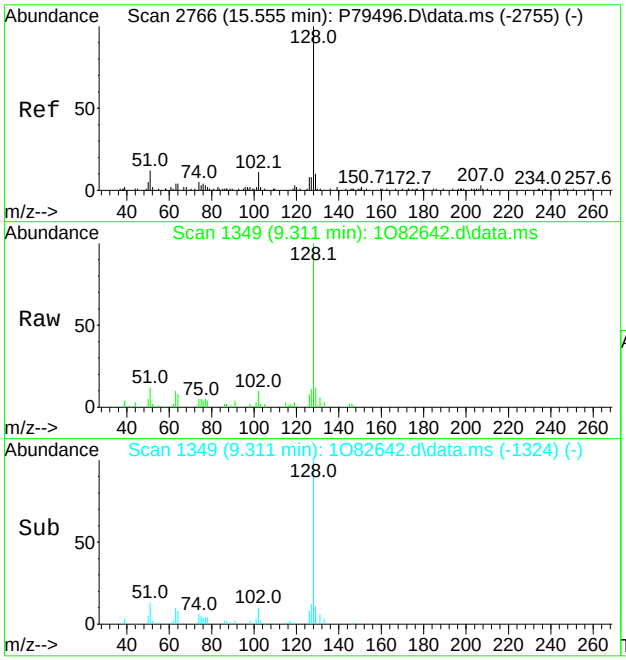


#106
n-Butylbenzene
Concen: 0.3872 ug/L
RT: 7.933 min Scan# 1123
Delta R.T. 0.000 min
Lab File: 1O82642.d
Acq: 14 Mar 2024 4:23 pm

Tgt Ion: 92 Resp: 2042

Ion	Ratio	Lower	Upper
92	100		
91	197.9	203.7	263.7#
134	37.1	10.7	70.7

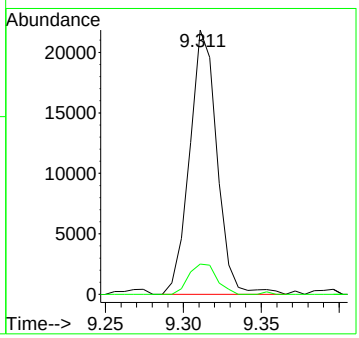




#112
Naphthalene
Concen: 2.1296 ug/L
RT: 9.311 min Scan# 1349
Delta R.T. 0.000 min
Lab File: 1O82642.d
Acq: 14 Mar 2024 4:23 pm

Tgt Ion:128 Resp: 26755

Ion	Ratio	Lower	Upper
128	100		
127	11.5	0.0	42.8



Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\V1O2976\
Data File : 1O82643.d
Acq On : 14 Mar 2024 4:48 pm
Operator : jeniferw
Sample : FC14007-5 Inst : MSVOA12
Misc : MS56094,V1O2976,,,,,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Mar 15 09:24:08 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\method\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration

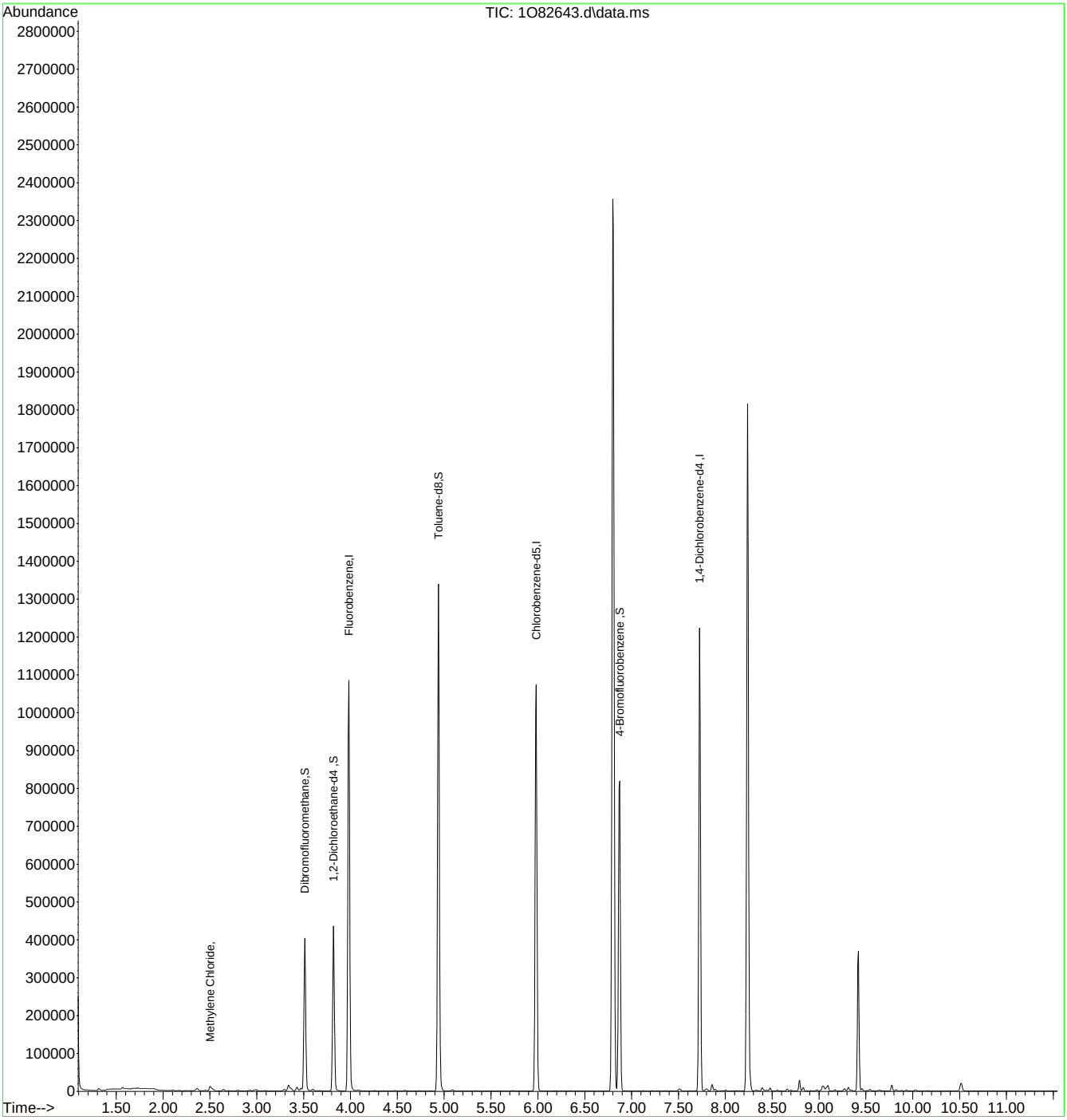
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.983	96	674692	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.982	117	447578	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.726	152	230722	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.513	113	168890	49.15	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.30%			
50) 1,2-Dichloroethane-d4	3.818	65	217581	49.86	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 99.72%			
63) Toluene-d8	4.940	98	655359	49.93	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 99.86%			
86) 4-Bromofluorobenzene	6.872	174	166323	50.73	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.46%			
Target Compounds						Qvalue
18) Methylene Chloride	2.501	49	2094	0.5527	ug/L	94

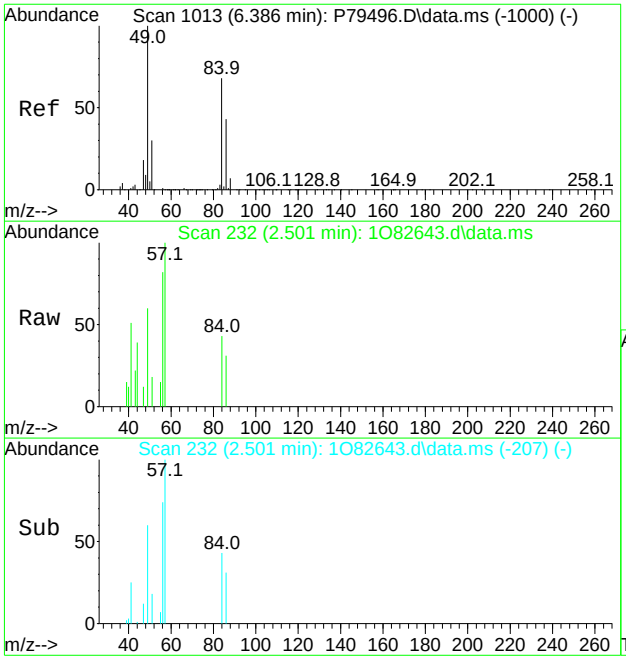
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\V1O2976\
Data File : 1O82643.d
Acq On : 14 Mar 2024 4:48 pm
Operator : jeniferw
Sample : FC14007-5 Inst : MSVOA12
Misc : MS56094,V1O2976,,,,,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Mar 15 09:24:08 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\method\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration

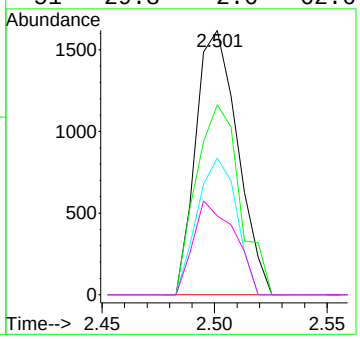




#18
Methylene Chloride
Concen: 0.5527 ug/L
RT: 2.501 min Scan# 232
Delta R.T. 0.000 min
Lab File: 1O82643.d
Acq: 14 Mar 2024 4:48 pm

Tgt Ion: 49 Resp: 2094

Ion	Ratio	Lower	Upper
49	100		
84	71.9	46.6	106.6
86	51.8	17.7	77.7
51	29.8	2.6	62.6



Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\V1O2976\
Data File : 1O82626.d
Acq On : 14 Mar 2024 9:37 am
Operator : jeniferw
Sample : FC14007-6 Inst : MSVOA12
Misc : MS56094,V1O2976,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 15 08:49:57 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\method\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration

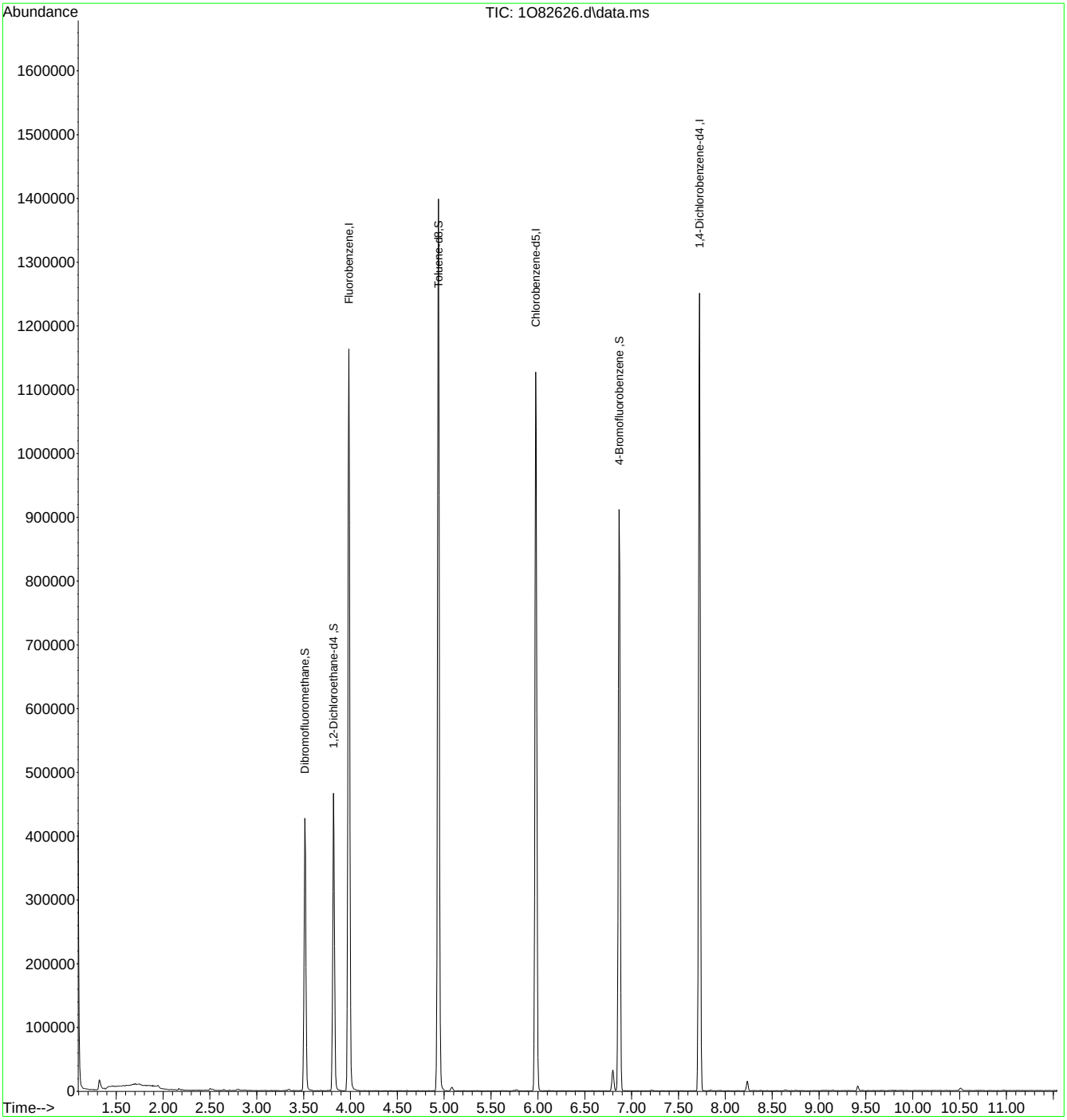
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.983	96	719192	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.976	117	476165	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.726	152	248030	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.513	113	181404	49.53	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.06%			
50) 1,2-Dichloroethane-d4	3.818	65	232864	50.06	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 100.12%			
63) Toluene-d8	4.940	98	699087	50.06	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.12%			
86) 4-Bromofluorobenzene	6.866	174	179464	50.92	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.84%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\V1O2976\
Data File : 1O82626.d
Acq On : 14 Mar 2024 9:37 am
Operator : jeniferw
Sample : FC14007-6 Inst : MSVOA12
Misc : MS56094,V1O2976,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 15 08:49:57 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\method\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\V1O2976\
Data File : 1O82644.d
Acq On : 14 Mar 2024 5:14 pm
Operator : jeniferw
Sample : FC14007-7 Inst : MSVOA12
Misc : MS56094,V1O2976,,,,,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Mar 15 09:37:11 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\method\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration

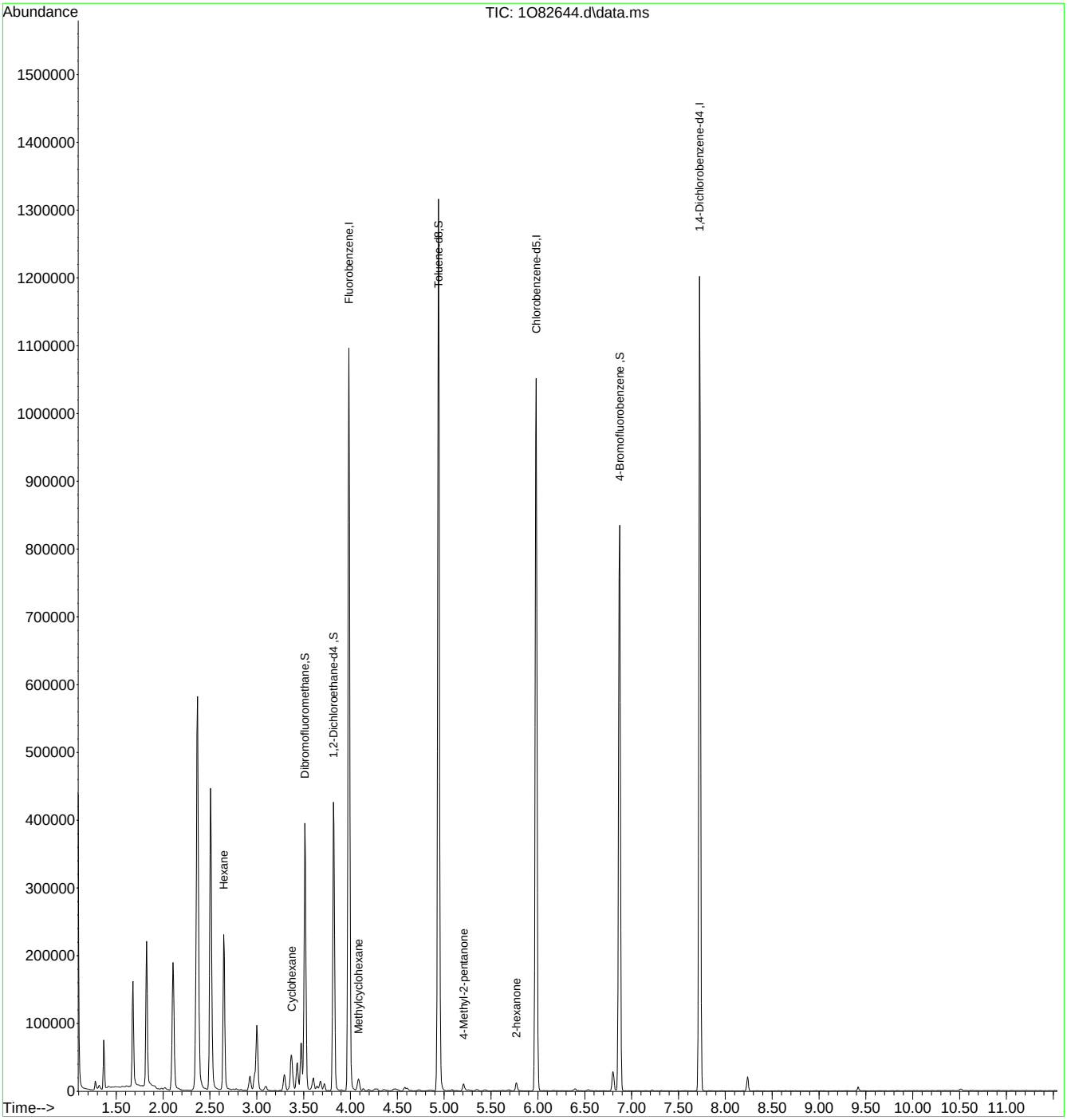
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.983	96	657812	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.982	117	437653	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.726	152	227848	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.513	113	163894	48.92	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.84%			
50) 1,2-Dichloroethane-d4	3.818	65	217584	51.14	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 102.28%			
63) Toluene-d8	4.940	98	645651	50.30	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.60%			
86) 4-Bromofluorobenzene	6.872	174	163822	50.60	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.20%			
Target Compounds						Qvalue
22) Hexane	2.647	56	42354	17.9494	ug/L #	84
35) Cyclohexane	3.373	56	12678	2.4213	ug/L #	53
54) Methylcyclohexane	4.086	83	4443	1.0569	ug/L	90
66) 4-Methyl-2-pentanone	5.208	43	7440	1.6684	ug/L	94
75) 2-hexanone	5.769	43	6739	1.4312	ug/L	90

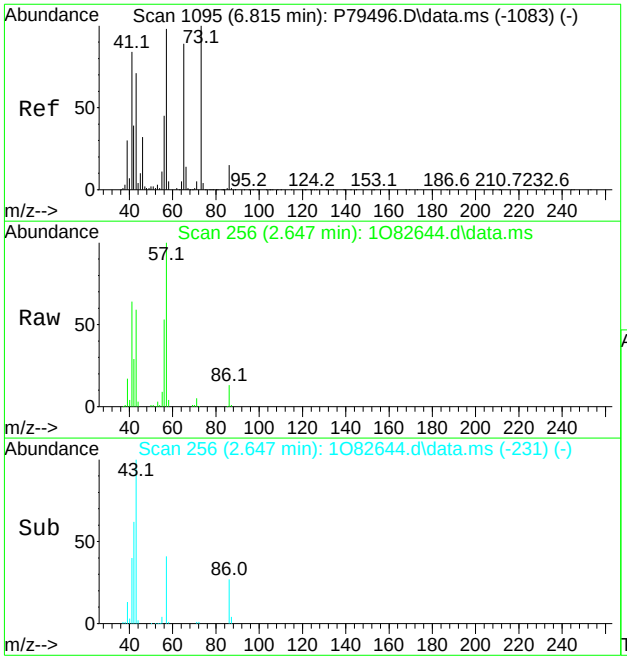
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\V1O2976\
Data File : 1O82644.d
Acq On : 14 Mar 2024 5:14 pm
Operator : jeniferw
Sample : FC14007-7 Inst : MSVOA12
Misc : MS56094,V1O2976,,,,,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Mar 15 09:37:11 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\method\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration

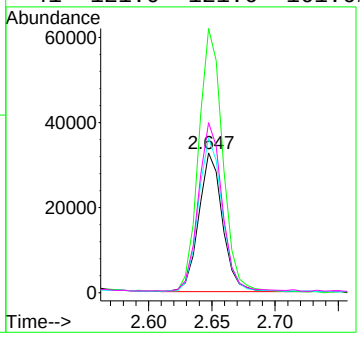


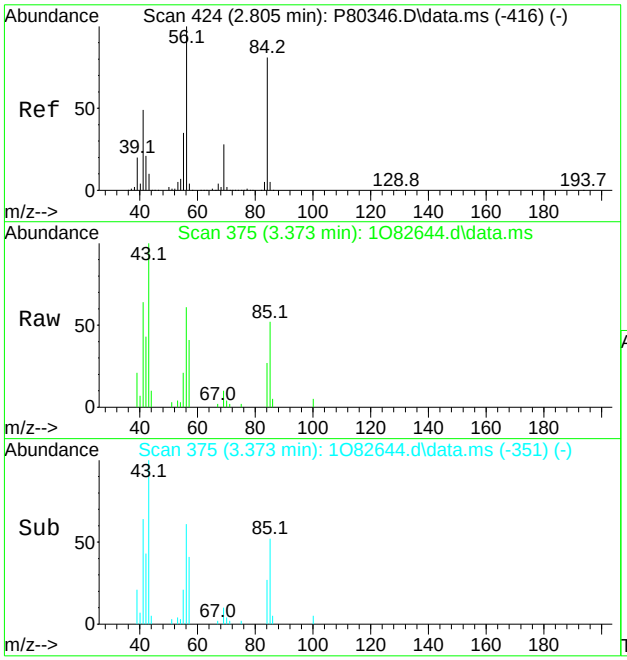


#22
Hexane
Concen: 17.9494 ug/L
RT: 2.647 min Scan# 256
Delta R.T. 0.000 min
Lab File: 1O82644.d
Acq: 14 Mar 2024 5:14 pm

Tgt Ion: 56 Resp: 42354

Ion	Ratio	Lower	Upper
56	100		
57	189.2	195.9	235.9#
43	110.3	104.6	144.6
41	121.0	121.6	161.6#

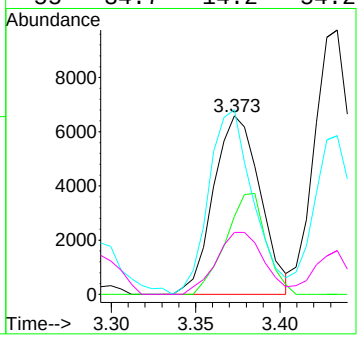


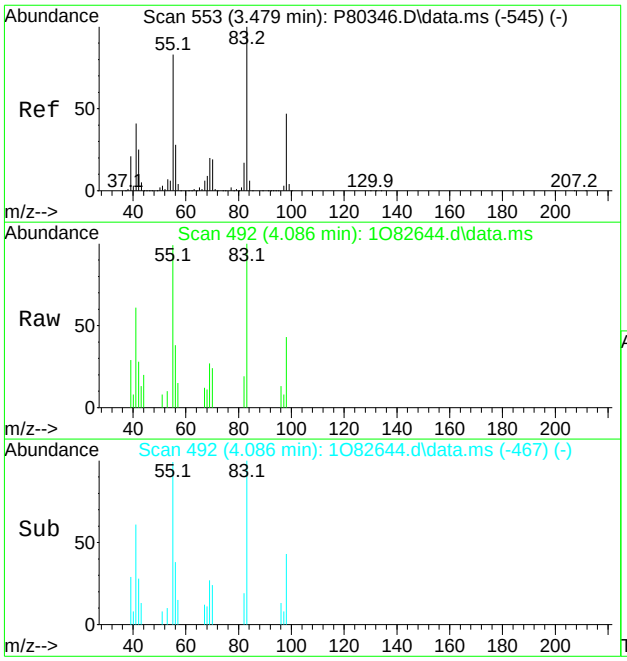


#35
Cyclohexane
Concen: 2.4213 ug/L
RT: 3.373 min Scan# 375
Delta R.T. -0.006 min
Lab File: 1O82644.d
Acq: 14 Mar 2024 5:14 pm

Tgt Ion: 56 Resp: 12678

Ion	Ratio	Lower	Upper
56	100		
84	43.6	51.9	91.9#
41	100.0	4.6	44.6#
55	34.7	14.2	54.2

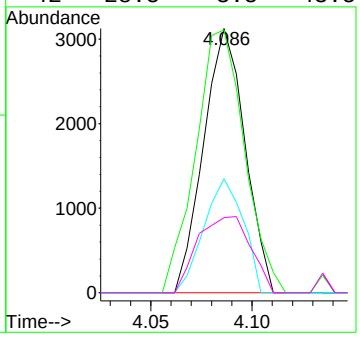


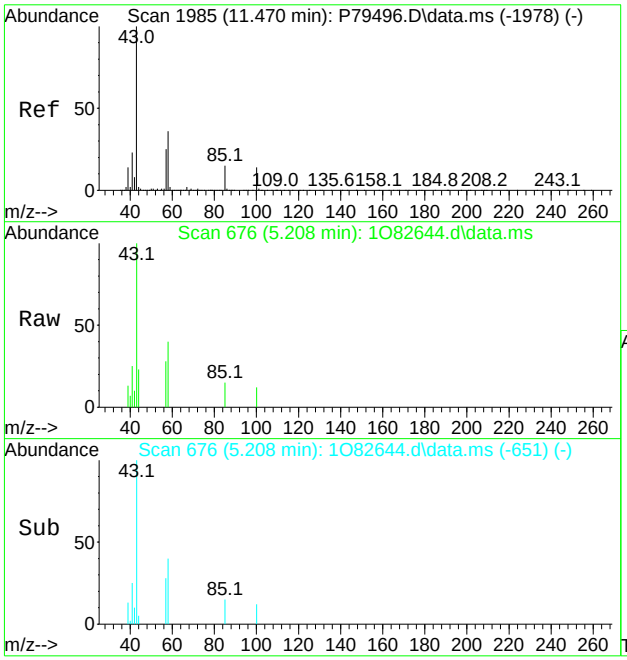


#54
Methylcyclohexane
Concen: 1.0569 ug/L
RT: 4.086 min Scan# 492
Delta R.T. 0.000 min
Lab File: 1O82644.d
Acq: 14 Mar 2024 5:14 pm

Tgt Ion: 83 Resp: 4443

Ion	Ratio	Lower	Upper
83	100		
55	99.4	66.3	106.3
98	43.2	25.3	65.3
42	28.5	3.5	43.5

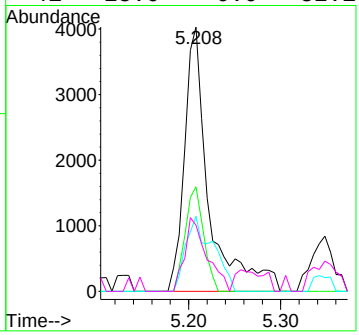


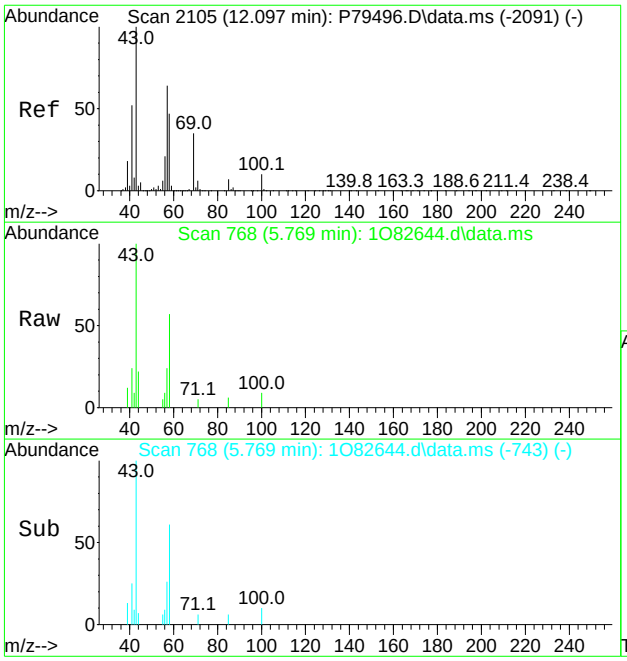


#66
4-Methyl-2-pentanone
Concen: 1.6684 ug/L
RT: 5.208 min Scan# 676
Delta R.T. -0.000 min
Lab File: 1O82644.d
Acq: 14 Mar 2024 5:14 pm

Tgt Ion: 43 Resp: 7440

Ion	Ratio	Lower	Upper
43	100		
58	39.6	16.2	76.2
57	28.4	0.0	58.9
41	25.0	0.0	52.1

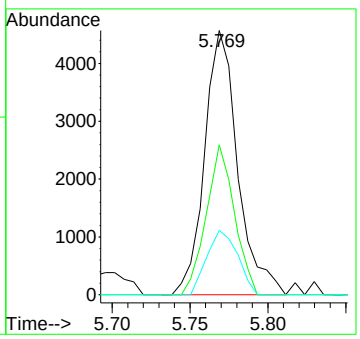




#75
2-hexanone
Concen: 1.4312 ug/L
RT: 5.769 min Scan# 768
Delta R.T. 0.000 min
Lab File: 1O82644.d
Acq: 14 Mar 2024 5:14 pm

Tgt Ion: 43 Resp: 6739

Ion	Ratio	Lower	Upper
43	100		
58	56.7	33.9	93.9
57	24.4	0.3	60.3



7.1.9

7

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\V1O2976\
Data File : 1O82645.d
Acq On : 14 Mar 2024 5:39 pm
Operator : jeniferw
Sample : FC14007-8 Inst : MSVOA12
Misc : MS56094,V1O2976,,,,,
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Mar 15 09:38:16 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\method\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration

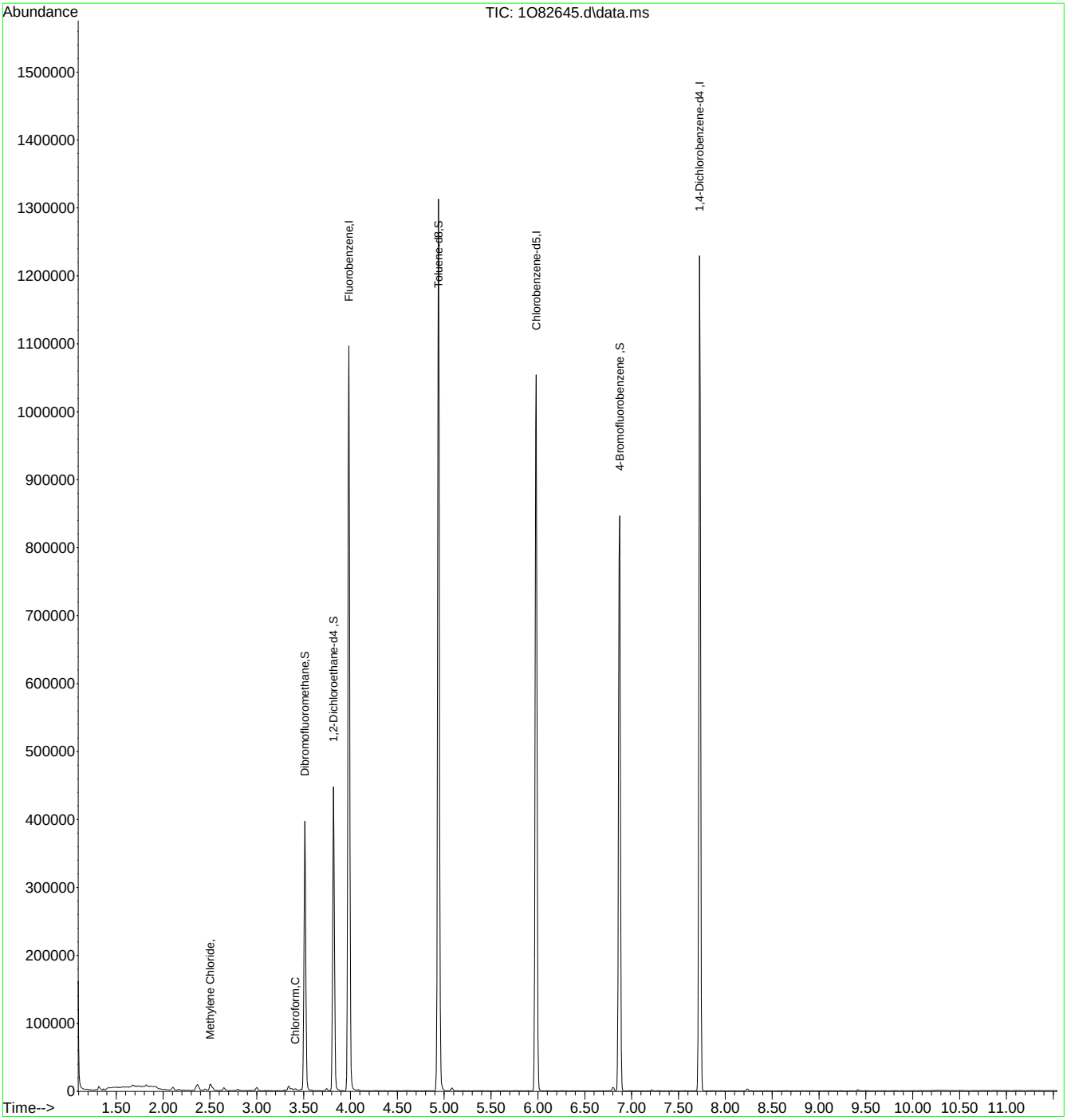
Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) Fluorobenzene		3.982	96	669902	50.00	ug/L	0.00
62) Chlorobenzene-d5		5.982	117	444786	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4		7.726	152	233579	50.00	ug/L	0.00
System Monitoring Compounds							
39) Dibromofluoromethane		3.513	113	166960	48.94	ug/L	0.00
Spiked Amount	50.000	Range	83 - 118	Recovery =	97.88%		
50) 1,2-Dichloroethane-d4		3.818	65	223810	51.65	ug/L	0.00
Spiked Amount	50.000	Range	79 - 125	Recovery =	103.30%		
63) Toluene-d8		4.940	98	649368	49.78	ug/L	0.00
Spiked Amount	50.000	Range	85 - 112	Recovery =	99.56%		
86) 4-Bromofluorobenzene		6.872	174	165357	49.82	ug/L	0.00
Spiked Amount	50.000	Range	83 - 118	Recovery =	99.64%		
Target Compounds							Qvalue
18) Methylene Chloride		2.501	49	1682	0.4471	ug/L	90
36) Chloroform		3.409	83	2071	0.3941	ug/L	86

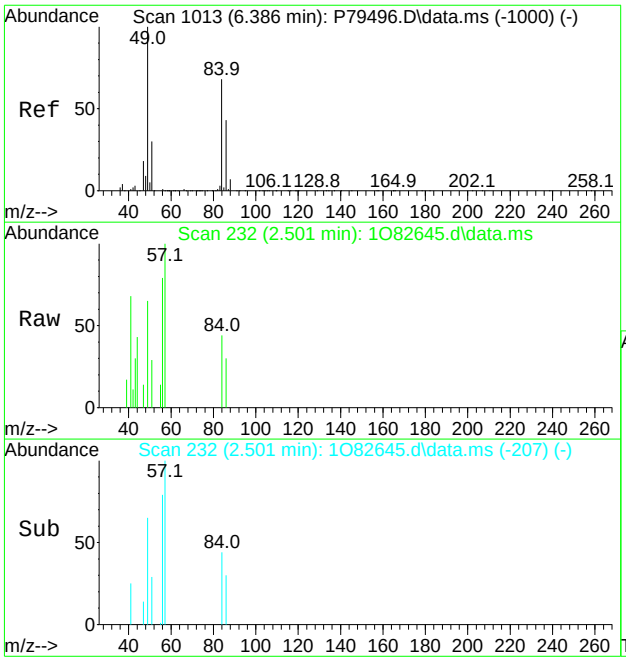
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\V1O2976\
Data File : 1O82645.d
Acq On : 14 Mar 2024 5:39 pm
Operator : jeniferw
Sample : FC14007-8 Inst : MSVOA12
Misc : MS56094,V1O2976,,,,,
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Mar 15 09:38:16 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\method\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration

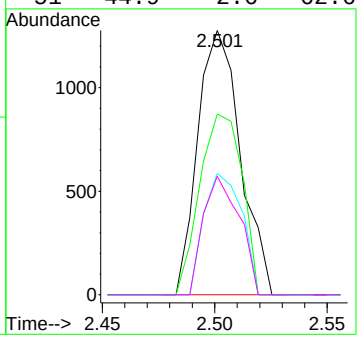


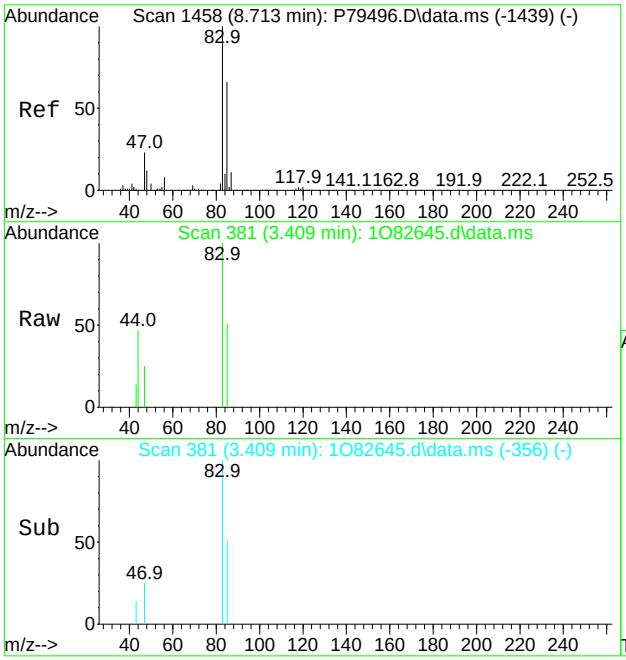


#18
Methylene Chloride
Concen: 0.4471 ug/L
RT: 2.501 min Scan# 232
Delta R.T. 0.000 min
Lab File: 1O82645.d
Acq: 14 Mar 2024 5:39 pm

Tgt Ion: 49 Resp: 1682

Ion	Ratio	Lower	Upper
49	100		
84	68.4	46.6	106.6
86	45.9	17.7	77.7
51	44.9	2.6	62.6

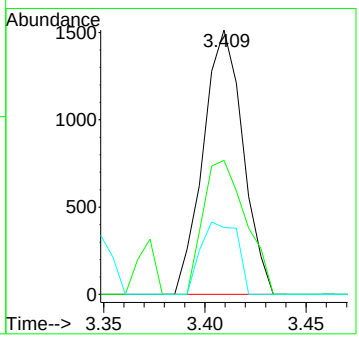




#36
Chloroform
Concen: 0.3941 ug/L
RT: 3.409 min Scan# 381
Delta R.T. 0.000 min
Lab File: 1O82645.d
Acq: 14 Mar 2024 5:39 pm

Tgt Ion: 83 Resp: 2071

Ion	Ratio	Lower	Upper
83	100		
85	50.7	34.3	94.3
47	25.2	0.0	53.0



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-15-2024\
Data File : 1O82662.D
Acq On : 15 Mar 2024 1:13 pm
Operator : jeniferw
Sample : FC14007-9 Inst : MSVOA12
Misc : MS56102,V1O2977,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 17 13:45:04 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration

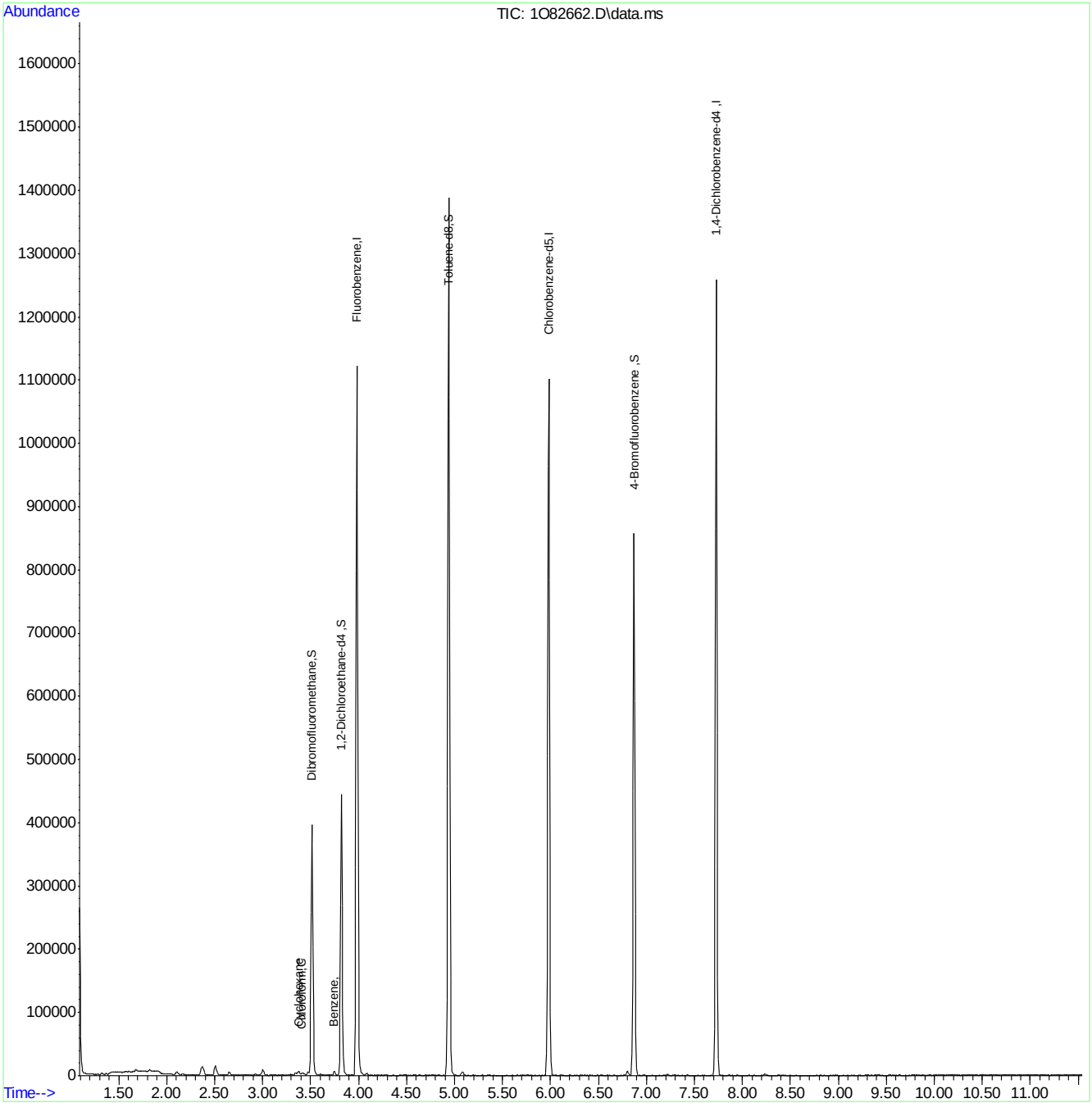
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.982	96	680368	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.982	117	455910	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.726	152	244848	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.513	113	168792	48.72	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.44%			
50) 1,2-Dichloroethane-d4	3.818	65	230697	52.42	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 104.84%			
63) Toluene-d8	4.940	98	664625	49.71	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 99.42%			
86) 4-Bromofluorobenzene	6.872	174	170479	49.00	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.00%			
Target Compounds						Qvalue
35) Cyclohexane	3.379	56	2127	0.39	ug/L #	71
36) Chloroform	3.409	83	2133	0.40	ug/L	99
47) Benzene	3.745	78	3661	0.32	ug/L	78

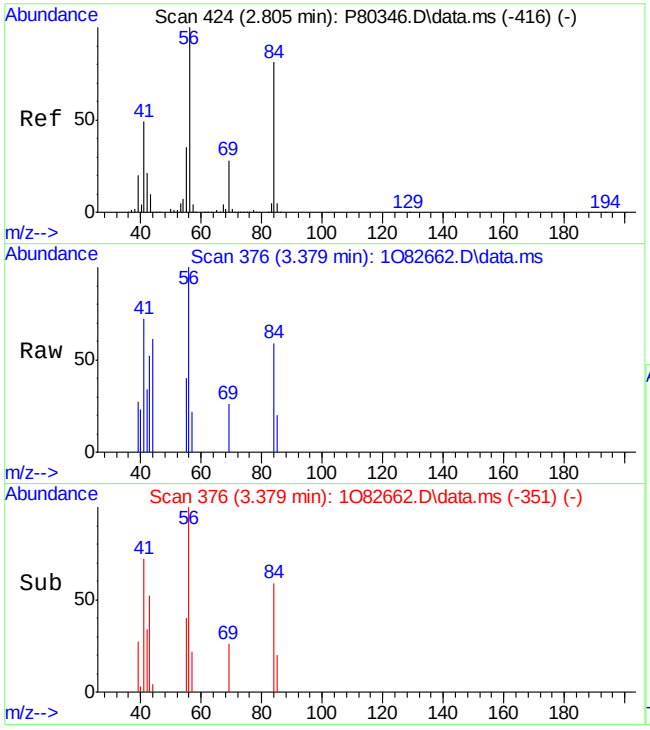
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-15-2024\
Data File : 1O82662.D
Acq On : 15 Mar 2024 1:13 pm
Operator : jeniferw
Sample : FC14007-9 Inst : MSVOA12
Misc : MS56102,V1O2977,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 17 13:45:04 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration

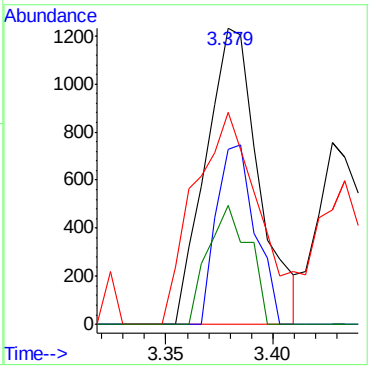


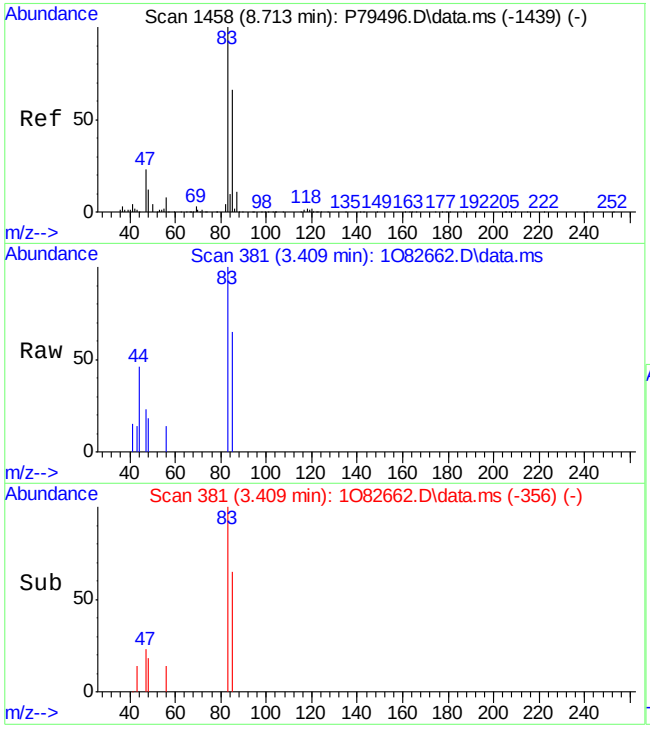


#35
Cyclohexane
Concen: 0.39 ug/L
RT: 3.379 min Scan# 376
Delta R.T. -0.000 min
Lab File: 1O82662.D
Acq: 15 Mar 2024 1:13 pm

Tgt Ion: 56 Resp: 2127

Ion	Ratio	Lower	Upper
56	100		
84	59.3	51.9	91.9
41	71.5	4.6	44.6#
55	40.0	14.2	54.2

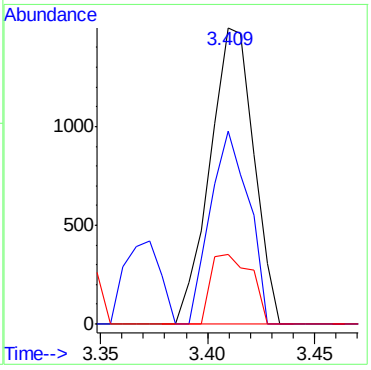


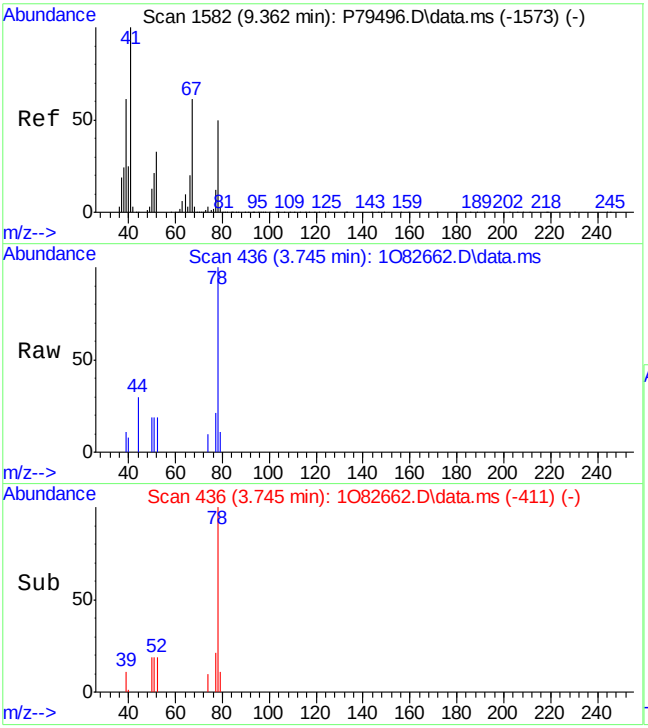


#36
Chloroform
Concen: 0.40 ug/L
RT: 3.409 min Scan# 381
Delta R.T. -0.000 min
Lab File: 1O82662.D
Acq: 15 Mar 2024 1:13 pm

Tgt Ion: 83 Resp: 2133

Ion	Ratio	Lower	Upper
83	100		
85	65.1	34.3	94.3
47	23.5	0.0	53.0

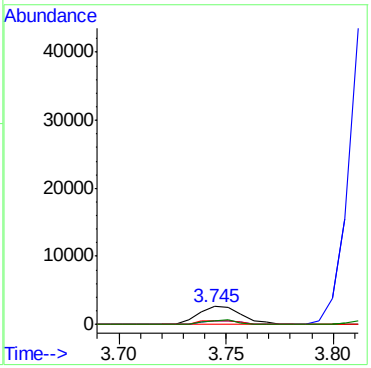




#47
Benzene
Concen: 0.32 ug/L
RT: 3.745 min Scan# 436
Delta R.T. -0.000 min
Lab File: 1O82662.D
Acq: 15 Mar 2024 1:13 pm

Tgt Ion: 78 Resp: 3661

Ion	Ratio	Lower	Upper
78	100		
51	19.4	1.5	61.5
77	21.3	0.0	53.0
52	18.7	8.1	68.1



Quantitation Report (QT Reviewed)

Data Path : X:\Orlando VOA\celinec\2024\March 2024\03-15-2024\V2P3991\V2P3991\
Data File : 2P104770.D
Acq On : 14 Mar 2024 11:10 am
Operator : lianatr
Sample : FC14007-9 Inst : MSVOA13-P
Misc : MS56096,V2P3991,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 15 03:12:17 2024
Quant Method : X:\Orlando VOA\celinec\2024\March 2024\03-15-2024\V2P3991\METHOD\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Feb 13 10:27:22 2024
Response via : Initial Calibration

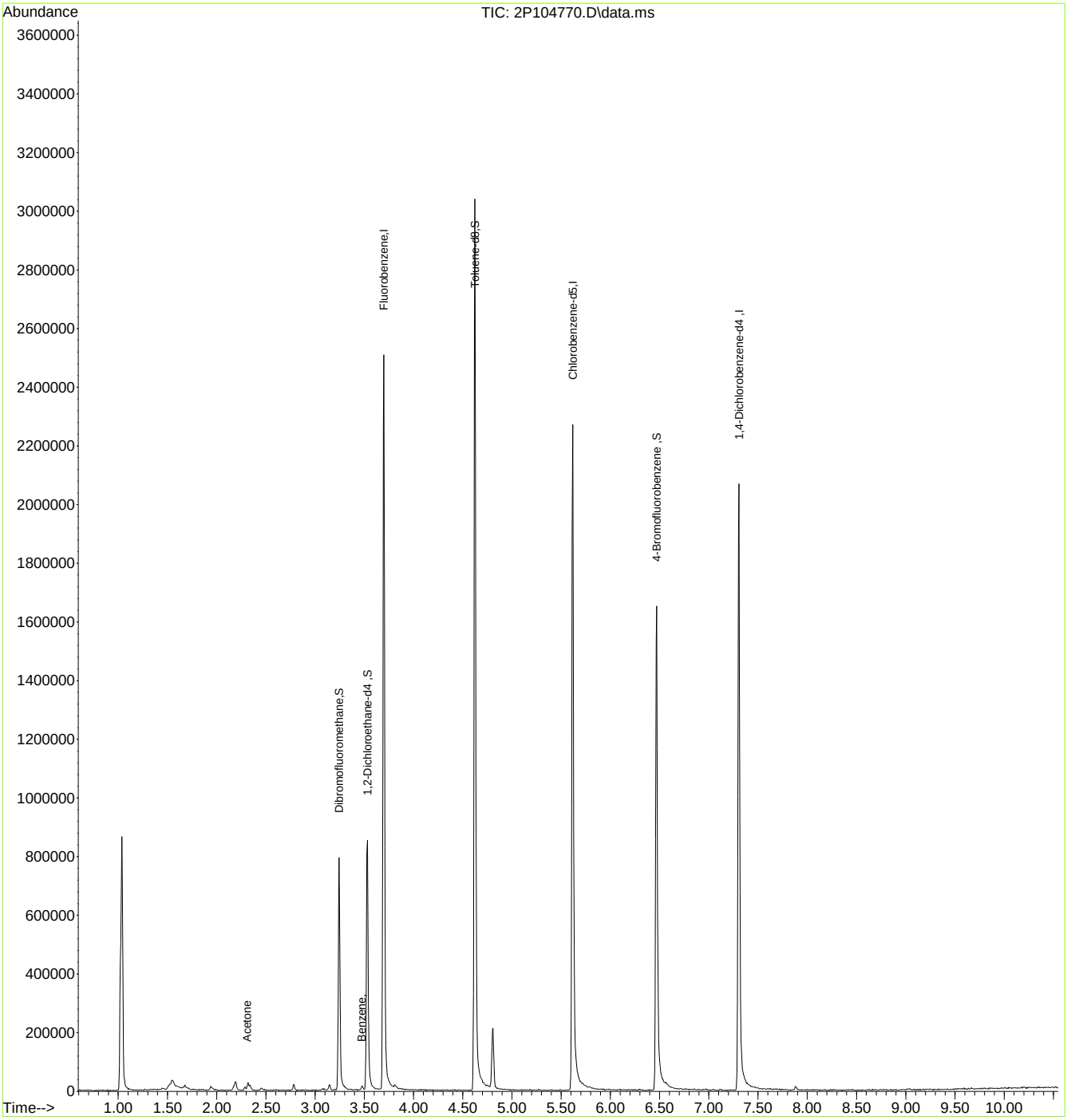
Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) Fluorobenzene		3.699	96	1427141	50.00	ug/L	0.00
62) Chlorobenzene-d5		5.617	117	929150	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4		7.306	152	434302	50.00	ug/L	0.00
System Monitoring Compounds							
39) Dibromofluoromethane		3.244	113	290042	46.47	ug/L	0.00
Spiked Amount	50.000	Range 83 - 118		Recovery =	92.94%		
49) 1,2-Dichloroethane-d4		3.531	65	397734	51.26	ug/L	0.00
Spiked Amount	50.000	Range 79 - 125		Recovery =	102.52%		
63) Toluene-d8		4.624	98	1407517	54.66	ug/L	0.00
Spiked Amount	50.000	Range 85 - 112		Recovery =	109.32%		
86) 4-Bromofluorobenzene		6.470	174	350208	46.28	ug/L	0.00
Spiked Amount	50.000	Range 83 - 118		Recovery =	92.56%		
Target Compounds							Qvalue
19) Acetone		2.308	43	7671	2.5245	ug/L	86
47) Benzene		3.474	78	7855	0.3200	ug/L #	70

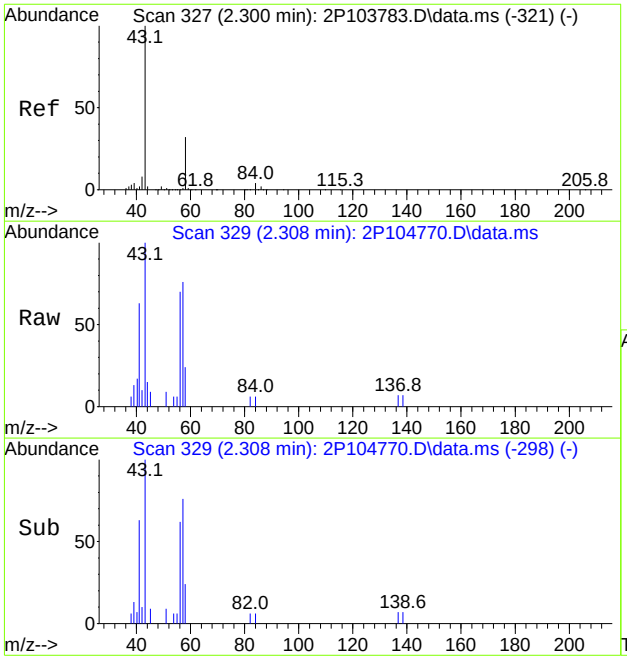
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Orlando VOA\celinec\2024\March 2024\03-15-2024\V2P3991\V2P3991\
Data File : 2P104770.D
Acq On : 14 Mar 2024 11:10 am
Operator : lianatr
Sample : FC14007-9 Inst : MSVOA13-P
Misc : MS56096,V2P3991,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 15 03:12:17 2024
Quant Method : X:\Orlando VOA\celinec\2024\March 2024\03-15-2024\V2P3991\METHOD\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Feb 13 10:27:22 2024
Response via : Initial Calibration

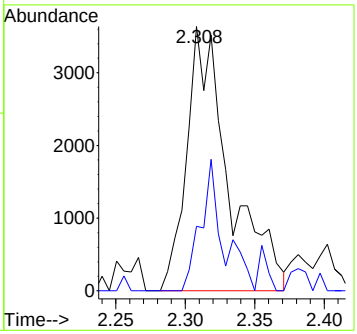


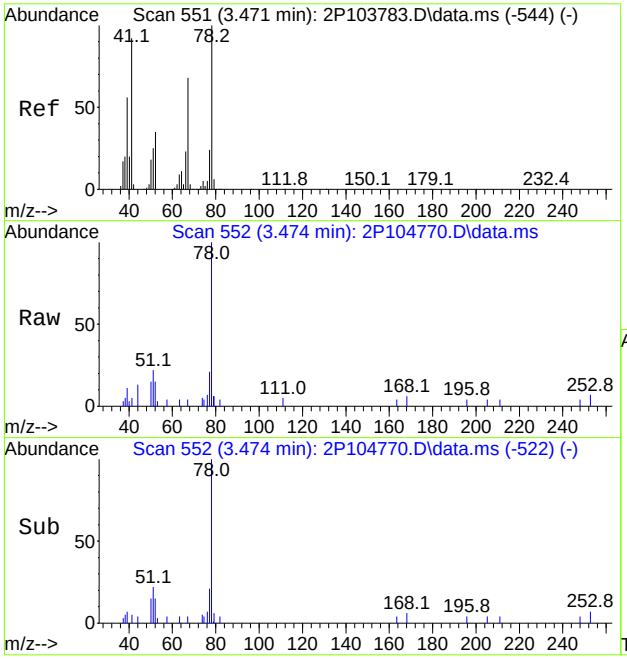


#19
Acetone
Concen: 2.5245 ug/L
RT: 2.308 min Scan# 329
Delta R.T. 0.010 min
Lab File: 2P104770.D
Acq: 14 Mar 2024 11:10 am

Tgt Ion: 43 Resp: 7671

Ion	Ratio	Lower	Upper
43	100		
58	24.4	2.2	62.2

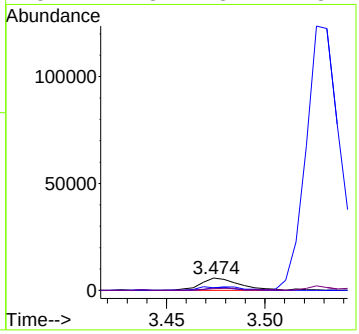




#47
Benzene
Concen: 0.3200 ug/L
RT: 3.474 min Scan# 552
Delta R.T. 0.004 min
Lab File: 2P104770.D
Acq: 14 Mar 2024 11:10 am

Tgt Ion: 78 Resp: 7855

Ion	Ratio	Lower	Upper
78	100		
51	21.5	1.5	61.5
77	21.4	0.0	52.6
52	14.8	18.7	78.7#



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-15-2024\
Data File : 1O82663.D
Acq On : 15 Mar 2024 1:39 pm
Operator : jeniferw
Sample : FC14007-10 Inst : MSVOA12
Misc : MS56102,V1O2977,,,,,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 17 13:46:06 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration

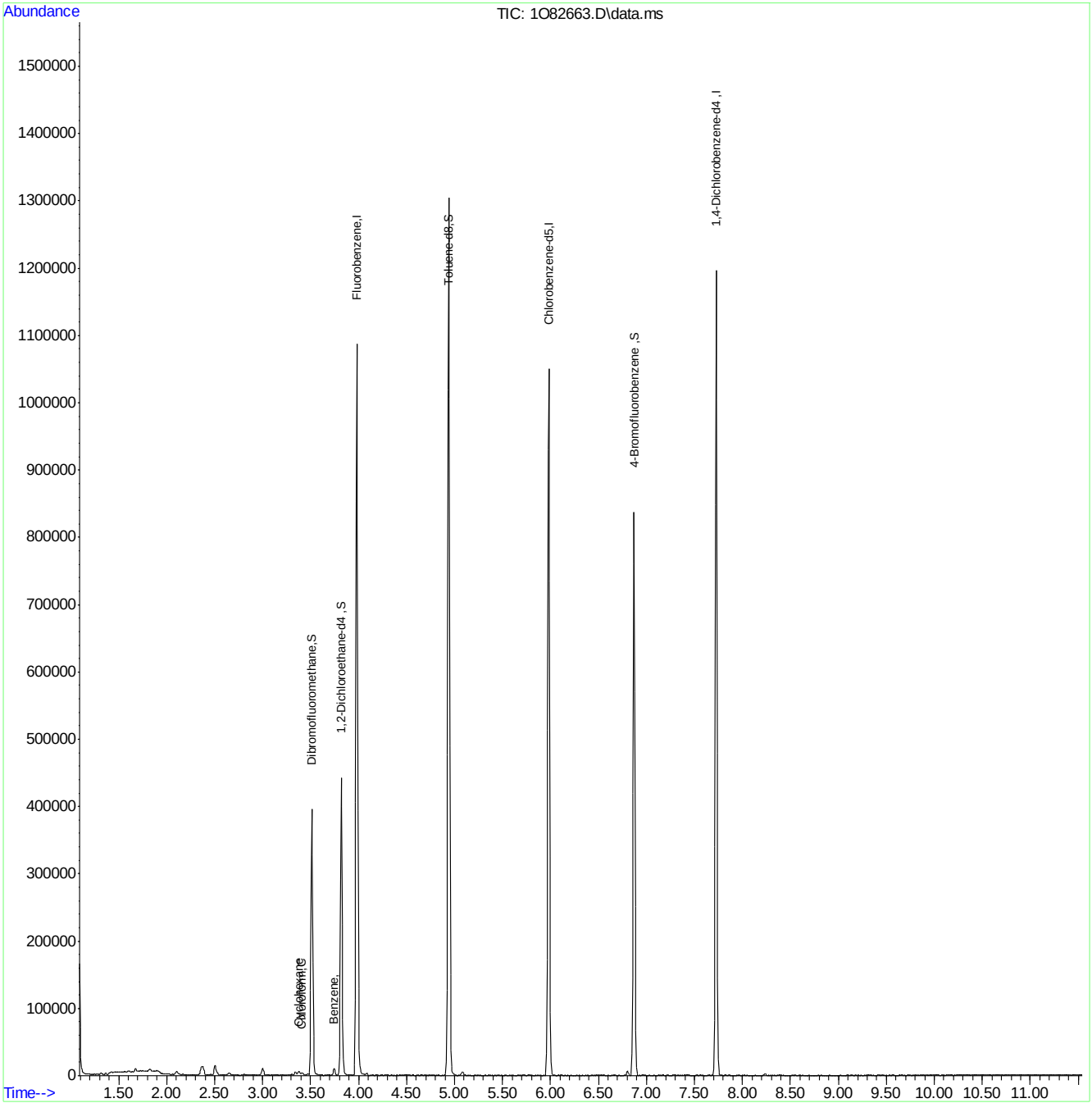
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.982	96	657136	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.982	117	438264	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.726	152	230980	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.513	113	163972	49.00	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.00%			
50) 1,2-Dichloroethane-d4	3.818	65	222169	52.27	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 104.54%			
63) Toluene-d8	4.940	98	644040	50.11	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.22%			
86) 4-Bromofluorobenzene	6.872	174	166146	50.62	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.24%			
Target Compounds						Qvalue
35) Cyclohexane	3.379	56	2461	0.47	ug/L	85
36) Chloroform	3.409	83	1778	0.34	ug/L	96
47) Benzene	3.745	78	6206	0.57	ug/L	76

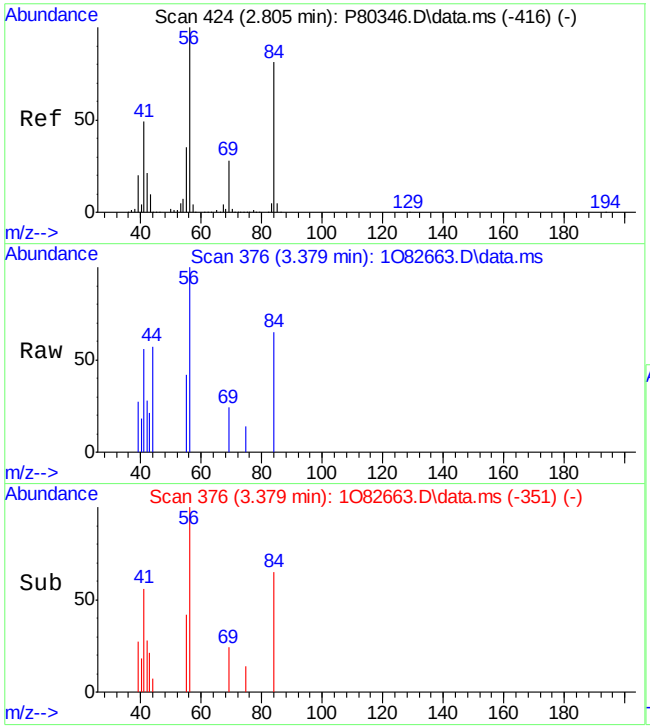
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-15-2024\
Data File : 1O82663.D
Acq On : 15 Mar 2024 1:39 pm
Operator : jeniferw
Sample : FC14007-10 Inst : MSVOA12
Misc : MS56102,V1O2977,,,,,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 17 13:46:06 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration

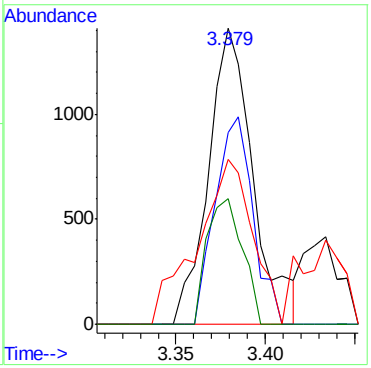


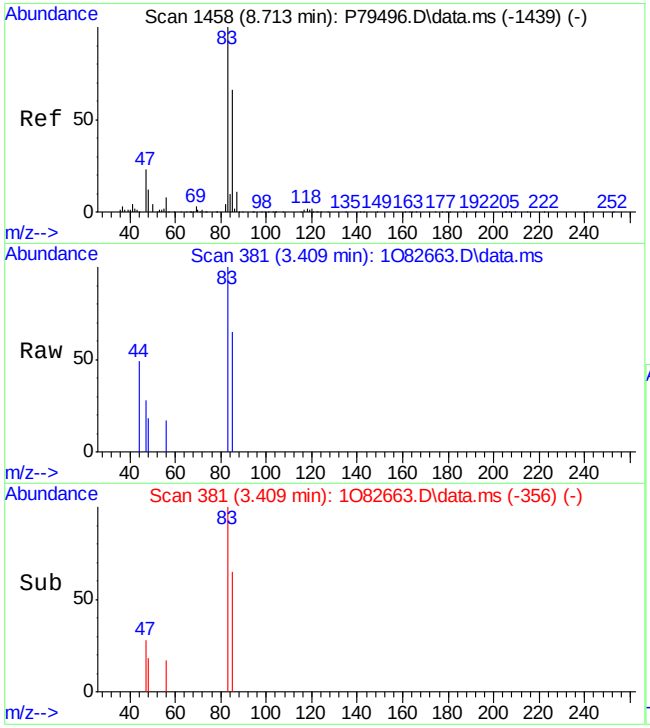


#35
Cyclohexane
Concen: 0.47 ug/L
RT: 3.379 min Scan# 376
Delta R.T. 0.000 min
Lab File: 1O82663.D
Acq: 15 Mar 2024 1:39 pm

Tgt Ion: 56 Resp: 2461

Ion	Ratio	Lower	Upper
56	100		
84	64.7	51.9	91.9
41	40.9	4.6	44.6
55	42.4	14.2	54.2

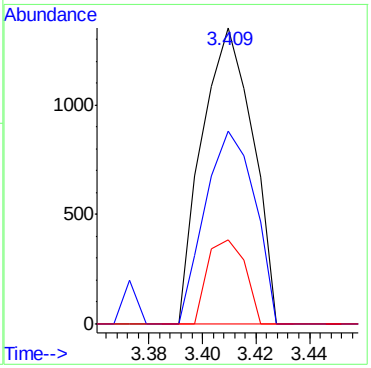


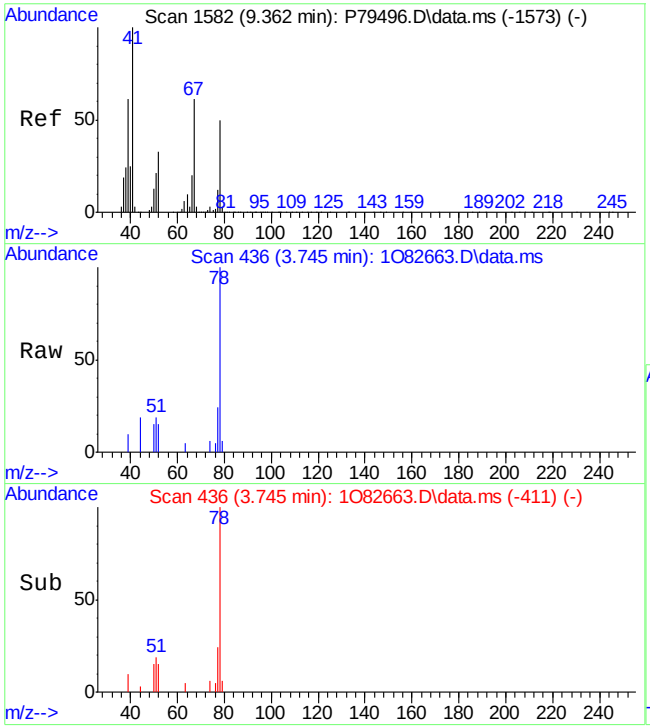


#36
Chloroform
Concen: 0.34 ug/L
RT: 3.409 min Scan# 381
Delta R.T. -0.000 min
Lab File: 1O82663.D
Acq: 15 Mar 2024 1:39 pm

Tgt Ion: 83 Resp: 1778

Ion	Ratio	Lower	Upper
83	100		
85	65.2	34.3	94.3
47	28.3	0.0	53.0

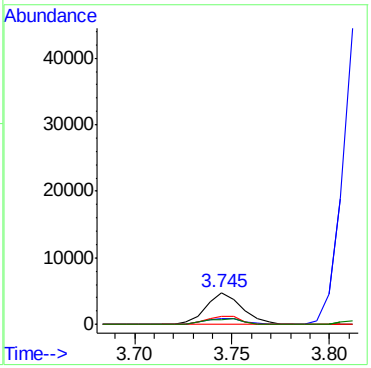




#47
Benzene
Concen: 0.57 ug/L
RT: 3.745 min Scan# 436
Delta R.T. -0.000 min
Lab File: 1O82663.D
Acq: 15 Mar 2024 1:39 pm

Tgt Ion: 78 Resp: 6206

Ion	Ratio	Lower	Upper
78	100		
51	18.6	1.5	61.5
77	24.3	0.0	53.0
52	14.7	8.1	68.1



Quantitation Report (QT Reviewed)

Data Path : X:\Orlando VOA\celinec\2024\March 2024\03-15-2024\V2P3991\V2P3991\
Data File : 2P104771.D
Acq On : 14 Mar 2024 11:35 am
Operator : lianatr
Sample : FC14007-10 Inst : MSVOA13-P
Misc : MS56096,V2P3991,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 15 03:12:31 2024
Quant Method : X:\Orlando VOA\celinec\2024\March 2024\03-15-2024\V2P3991\METHOD\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Feb 13 10:27:22 2024
Response via : Initial Calibration

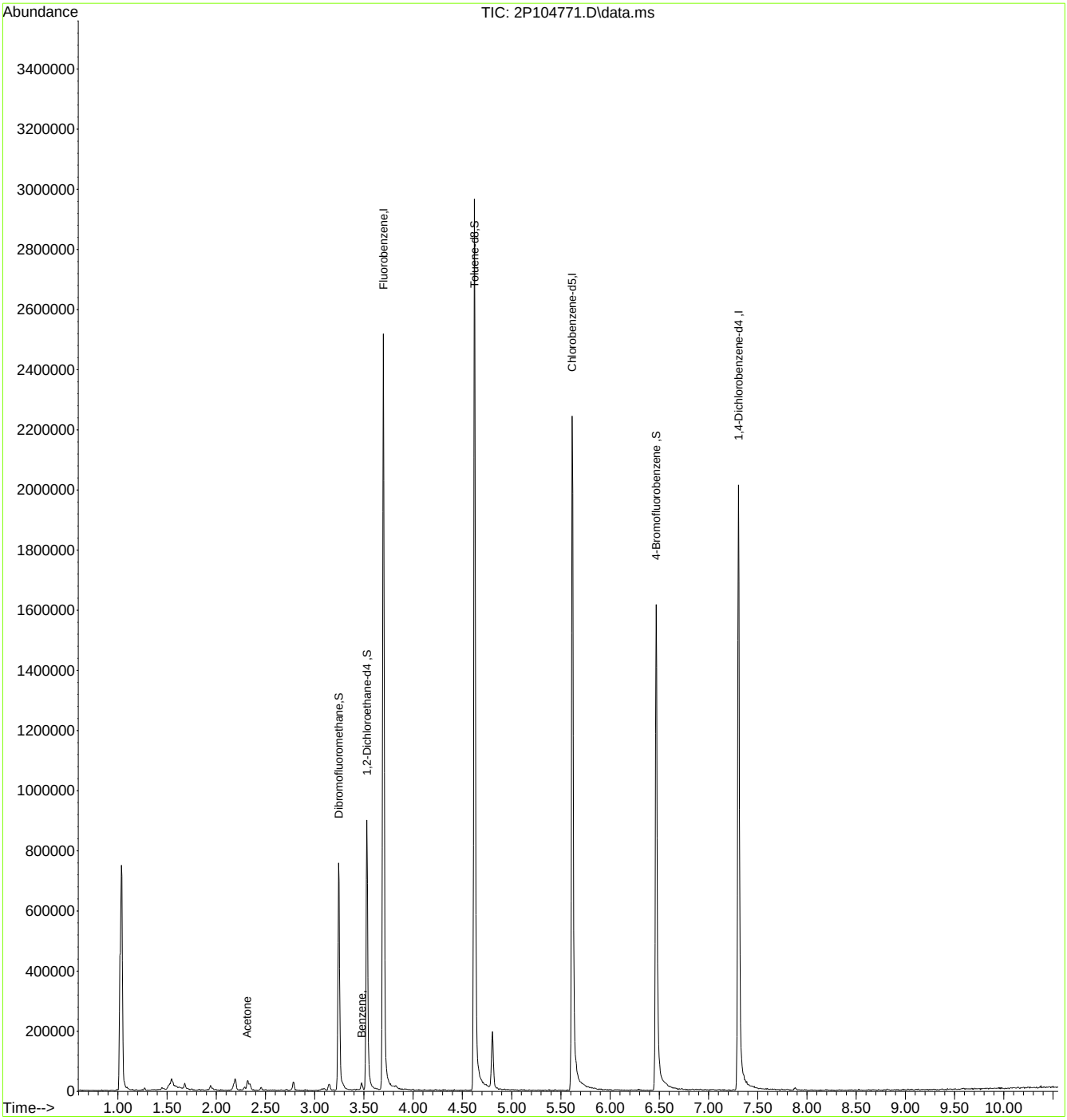
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.697	96	1419221	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.615	117	936815	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.304	152	420876	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.242	113	292840	47.18	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 94.36%			
49) 1,2-Dichloroethane-d4	3.529	65	389809	50.52	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 101.04%			
63) Toluene-d8	4.622	98	1371508	52.83	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 105.66%			
86) 4-Bromofluorobenzene	6.468	174	345002	47.04	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 94.08%			
Target Compounds						Qvalue
19) Acetone	2.311	43	7132	2.3603	ug/L	97
47) Benzene	3.477	78	14877	0.6094	ug/L	70

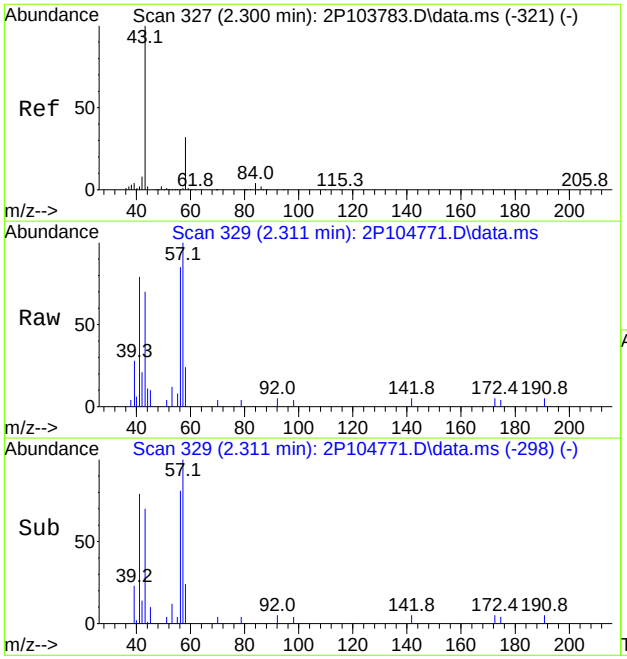
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Orlando VOA\celinec\2024\March 2024\03-15-2024\V2P3991\V2P3991\
Data File : 2P104771.D
Acq On : 14 Mar 2024 11:35 am
Operator : lianatr
Sample : FC14007-10 Inst : MSVOA13-P
Misc : MS56096,V2P3991,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 15 03:12:31 2024
Quant Method : X:\Orlando VOA\celinec\2024\March 2024\03-15-2024\V2P3991\METHOD\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Feb 13 10:27:22 2024
Response via : Initial Calibration

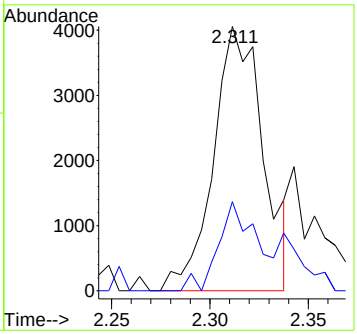


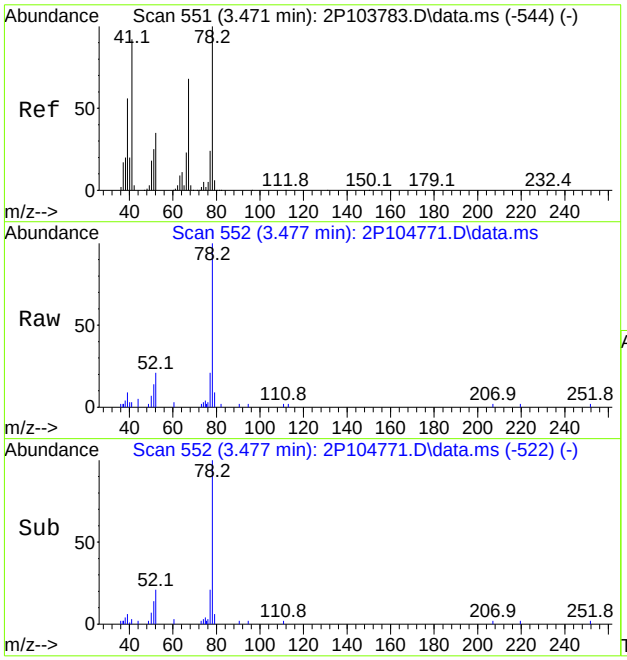


#19
Acetone
Concen: 2.3603 ug/L
RT: 2.311 min Scan# 329
Delta R.T. 0.013 min
Lab File: 2P104771.D
Acq: 14 Mar 2024 11:35 am

Tgt Ion: 43 Resp: 7132

Ion	Ratio	Lower	Upper
43	100		
58	33.8	2.2	62.2

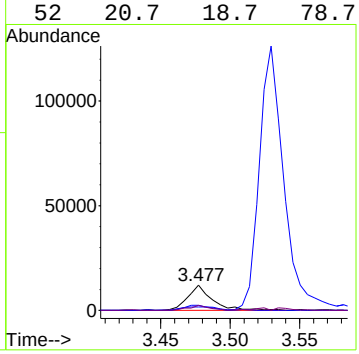




#47
Benzene
Concen: 0.6094 ug/L
RT: 3.477 min Scan# 552
Delta R.T. 0.008 min
Lab File: 2P104771.D
Acq: 14 Mar 2024 11:35 am

Tgt Ion: 78 Resp: 14877

Ion	Ratio	Lower	Upper
78	100		
51	14.1	1.5	61.5
77	20.7	0.0	52.6
52	20.7	18.7	78.7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-15-2024\
Data File : 1O82655.D
Acq On : 15 Mar 2024 10:16 am
Operator : jeniferw
Sample : FC14007-11 Inst : MSVOA12
Misc : MS56102,V1O2977,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 17 09:57:18 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration

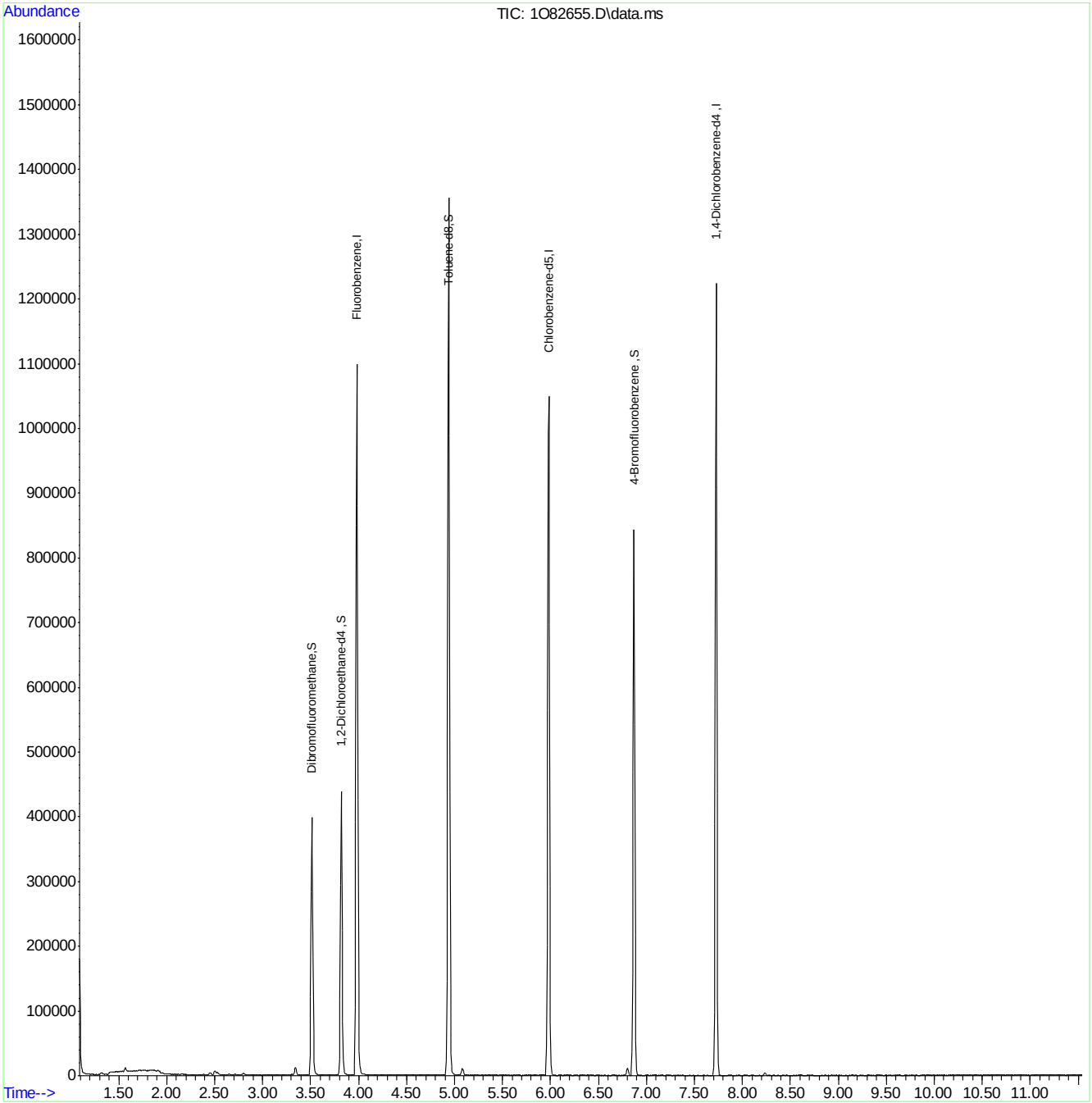
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.983	96	675034	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.982	117	448285	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.726	152	232770	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.513	113	168956	49.15	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.30%			
50) 1,2-Dichloroethane-d4	3.818	65	222159	50.88	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 101.76%			
63) Toluene-d8	4.940	98	656087	49.90	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 99.80%			
86) 4-Bromofluorobenzene	6.872	174	165512	50.04	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.08%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-15-2024\
Data File : 1O82655.D
Acq On : 15 Mar 2024 10:16 am
Operator : jeniferw
Sample : FC14007-11 Inst : MSVOA12
Misc : MS56102,V1O2977,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 17 09:57:18 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Orlando VOA\celinec\2024\March 2024\03-15-2024\V2P3991\V2P3991\
Data File : 2P104772.D
Acq On : 14 Mar 2024 12:01 pm
Operator : lianatr
Sample : FC14007-11 Inst : MSVOA13-P
Misc : MS56096,V2P3991,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 15 03:00:37 2024
Quant Method : X:\Orlando VOA\celinec\2024\March 2024\03-15-2024\V2P3991\METHOD\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Feb 13 10:27:22 2024
Response via : Initial Calibration

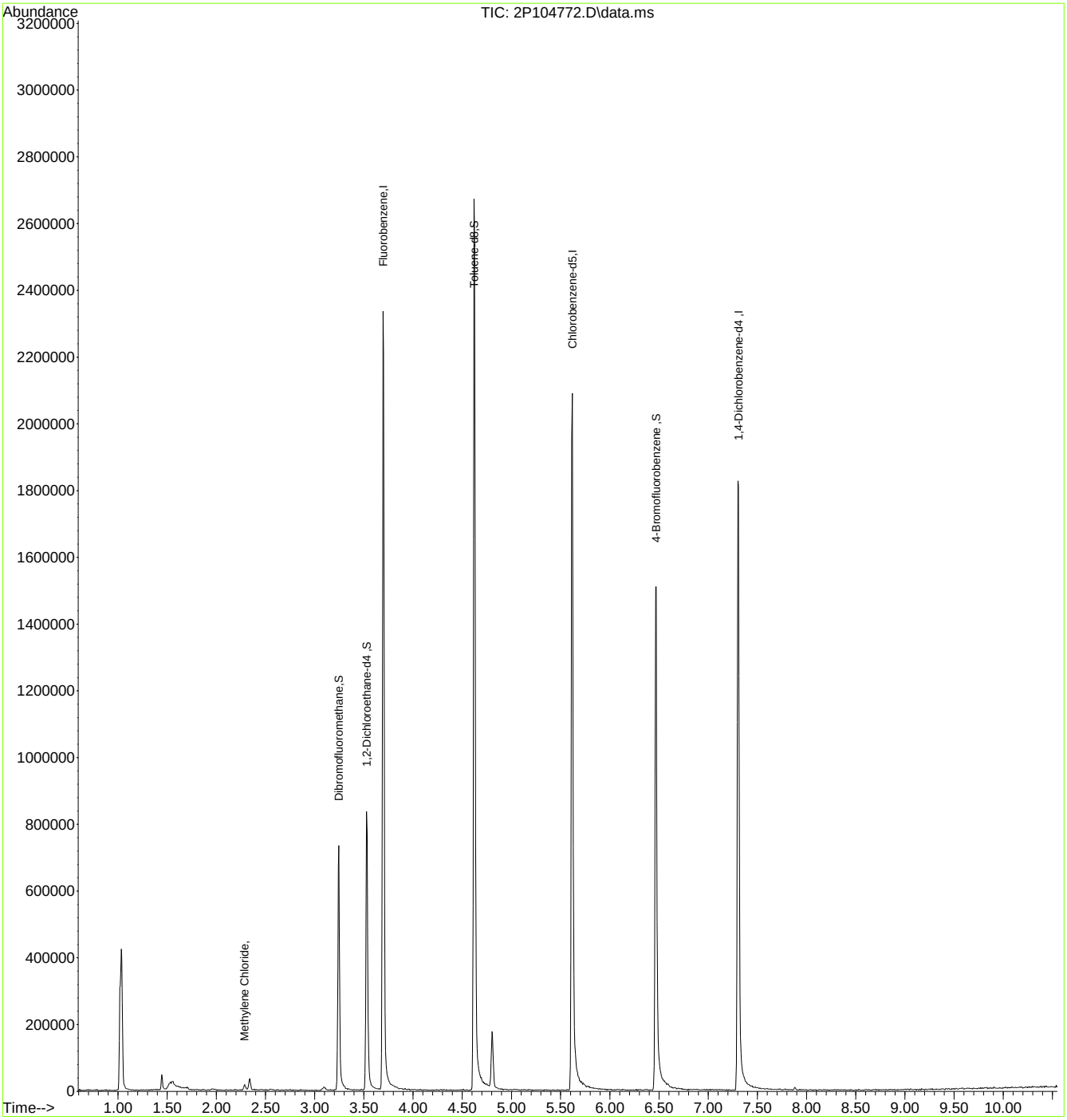
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.695	96	1351299	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.619	117	901186	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.307	152	407263	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.245	113	278207	47.07	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 94.14%			
49) 1,2-Dichloroethane-d4	3.527	65	378163	51.47	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 102.94%			
63) Toluene-d8	4.620	98	1295939	51.89	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 103.78%			
86) 4-Bromofluorobenzene	6.471	174	333800	47.04	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 94.08%			
Target Compounds						Qvalue
18) Methylene Chloride	2.283	49	5931	0.8844	ug/L	69

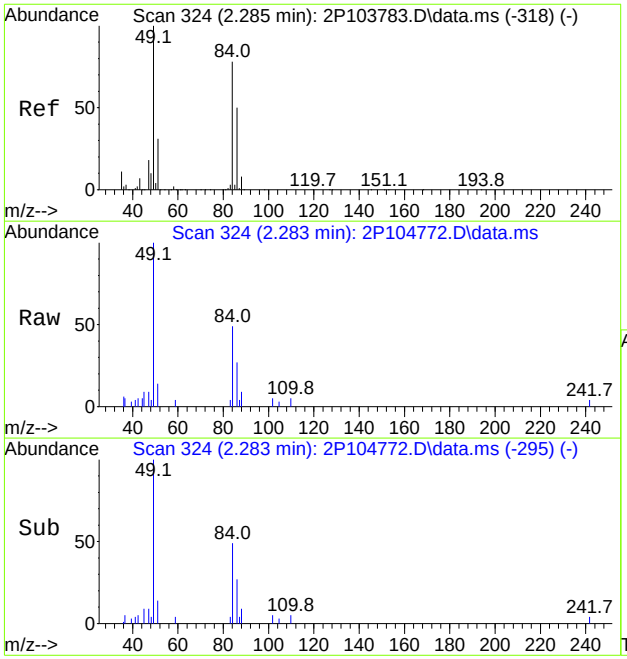
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Orlando VOA\celinec\2024\March 2024\03-15-2024\V2P3991\V2P3991\
Data File : 2P104772.D
Acq On : 14 Mar 2024 12:01 pm
Operator : lianatr
Sample : FC14007-11 Inst : MSVOA13-P
Misc : MS56096,V2P3991,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 15 03:00:37 2024
Quant Method : X:\Orlando VOA\celinec\2024\March 2024\03-15-2024\V2P3991\METHOD\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Feb 13 10:27:22 2024
Response via : Initial Calibration

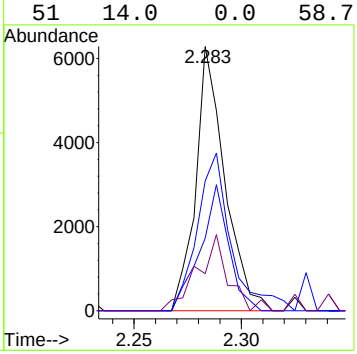




#18
Methylene Chloride
Concen: 0.8844 ug/L
RT: 2.283 min Scan# 324
Delta R.T. 0.000 min
Lab File: 2P104772.D
Acq: 14 Mar 2024 12:01 pm

Tgt Ion: 49 Resp: 5931

Ion	Ratio	Lower	Upper
49	100		
84	49.1	47.0	107.0
86	27.4	19.5	79.5
51	14.0	0.0	58.7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-15-2024\
Data File : 1O82664.D
Acq On : 15 Mar 2024 2:04 pm
Operator : jeniferw
Sample : FC14007-12 Inst : MSVOA12
Misc : MS56102,V1O2977,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Mar 17 13:47:08 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration

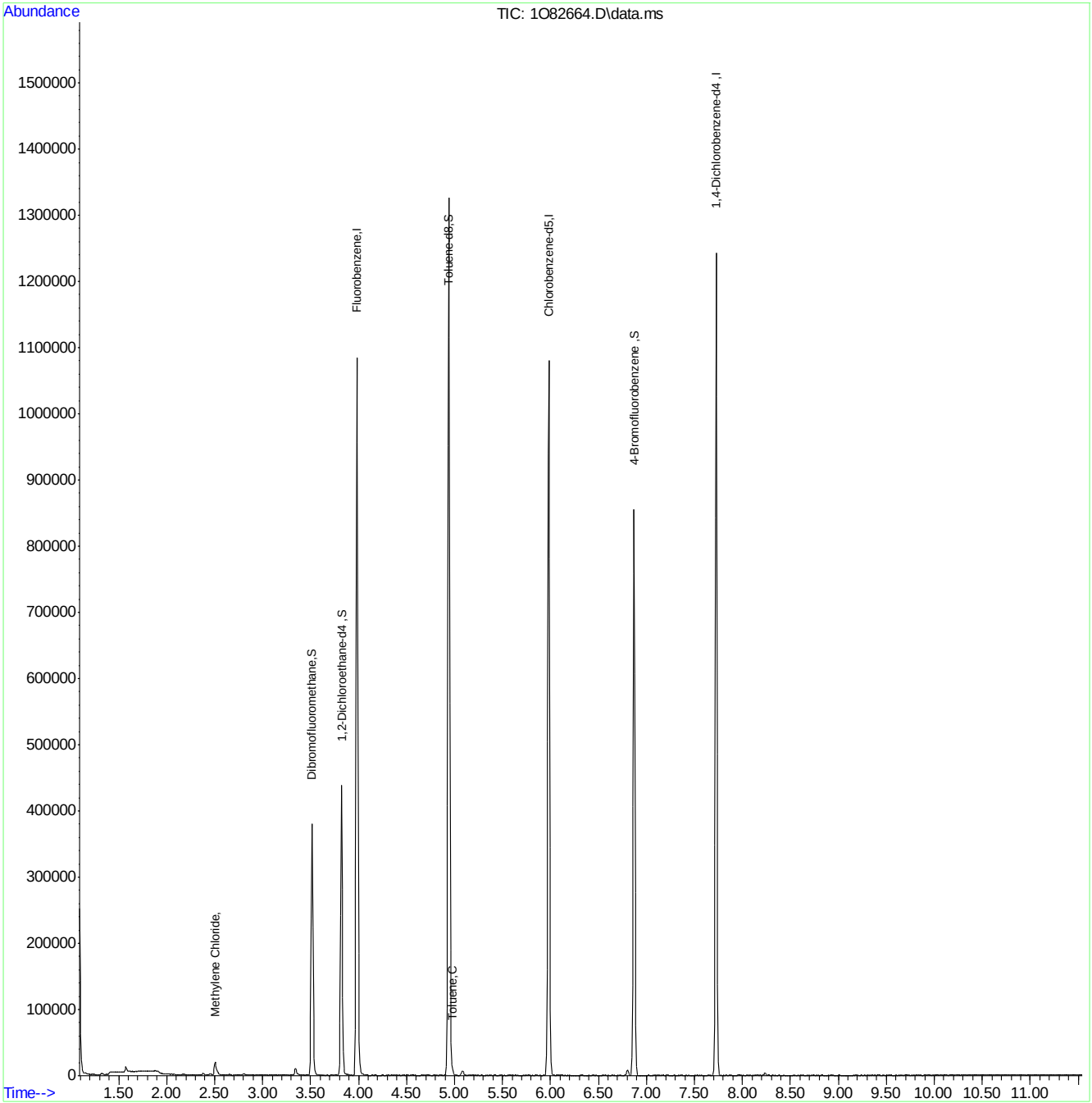
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.983	96	666981	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.982	117	447768	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.726	152	236928	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.513	113	167418	49.29	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.58%			
50) 1,2-Dichloroethane-d4	3.824	65	225940	52.37	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 104.74%			
63) Toluene-d8	4.940	98	654284	49.82	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 99.64%			
86) 4-Bromofluorobenzene	6.872	174	167400	49.72	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.44%			
Target Compounds						Qvalue
18) Methylene Chloride	2.507	49	9051	2.42	ug/L	97
64) Toluene	4.976	91	4613	0.40	ug/L	95

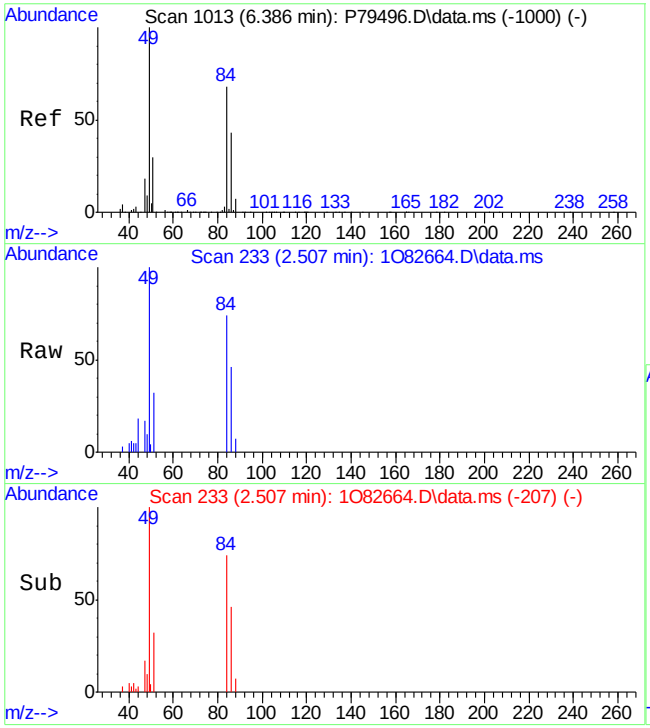
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-15-2024\
Data File : 1O82664.D
Acq On : 15 Mar 2024 2:04 pm
Operator : jeniferw
Sample : FC14007-12 Inst : MSVOA12
Misc : MS56102,V1O2977,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Mar 17 13:47:08 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration

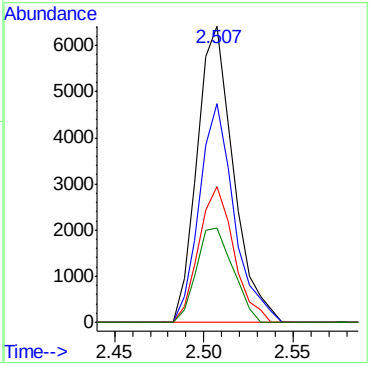


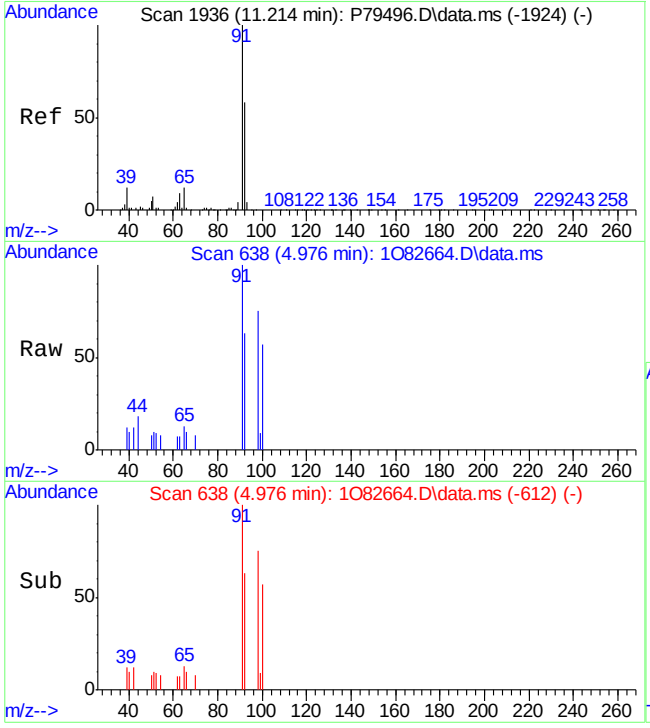


#18
Methylene Chloride
Concen: 2.42 ug/L
RT: 2.507 min Scan# 233
Delta R.T. 0.006 min
Lab File: 1O82664.D
Acq: 15 Mar 2024 2:04 pm

Tgt Ion: 49 Resp: 9051

Ion	Ratio	Lower	Upper
49	100		
84	73.7	46.6	106.6
86	45.9	17.7	77.7
51	31.9	2.6	62.6

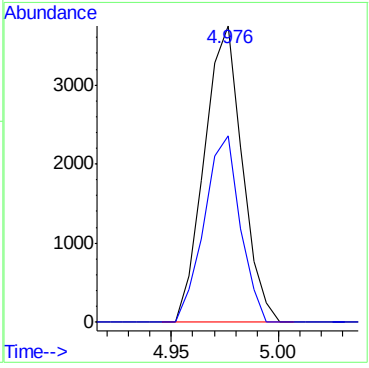




#64
Toluene
Concen: 0.40 ug/L
RT: 4.976 min Scan# 638
Delta R.T. 0.006 min
Lab File: 1O82664.D
Acq: 15 Mar 2024 2:04 pm

Tgt Ion: 91 Resp: 4613

Ion	Ratio	Lower	Upper
91	100		
92	63.1	29.0	89.0



Quantitation Report (QT Reviewed)

Data Path : X:\Orlando VOA\celinec\2024\March 2024\03-15-2024\V2P3991\V2P3991\
Data File : 2P104773.D
Acq On : 14 Mar 2024 12:26 pm
Operator : lianatr
Sample : FC14007-12 Inst : MSVOA13-P
Misc : MS56096,V2P3991,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 15 03:16:49 2024
Quant Method : X:\Orlando VOA\celinec\2024\March 2024\03-15-2024\V2P3991\METHOD\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Feb 13 10:27:22 2024
Response via : Initial Calibration

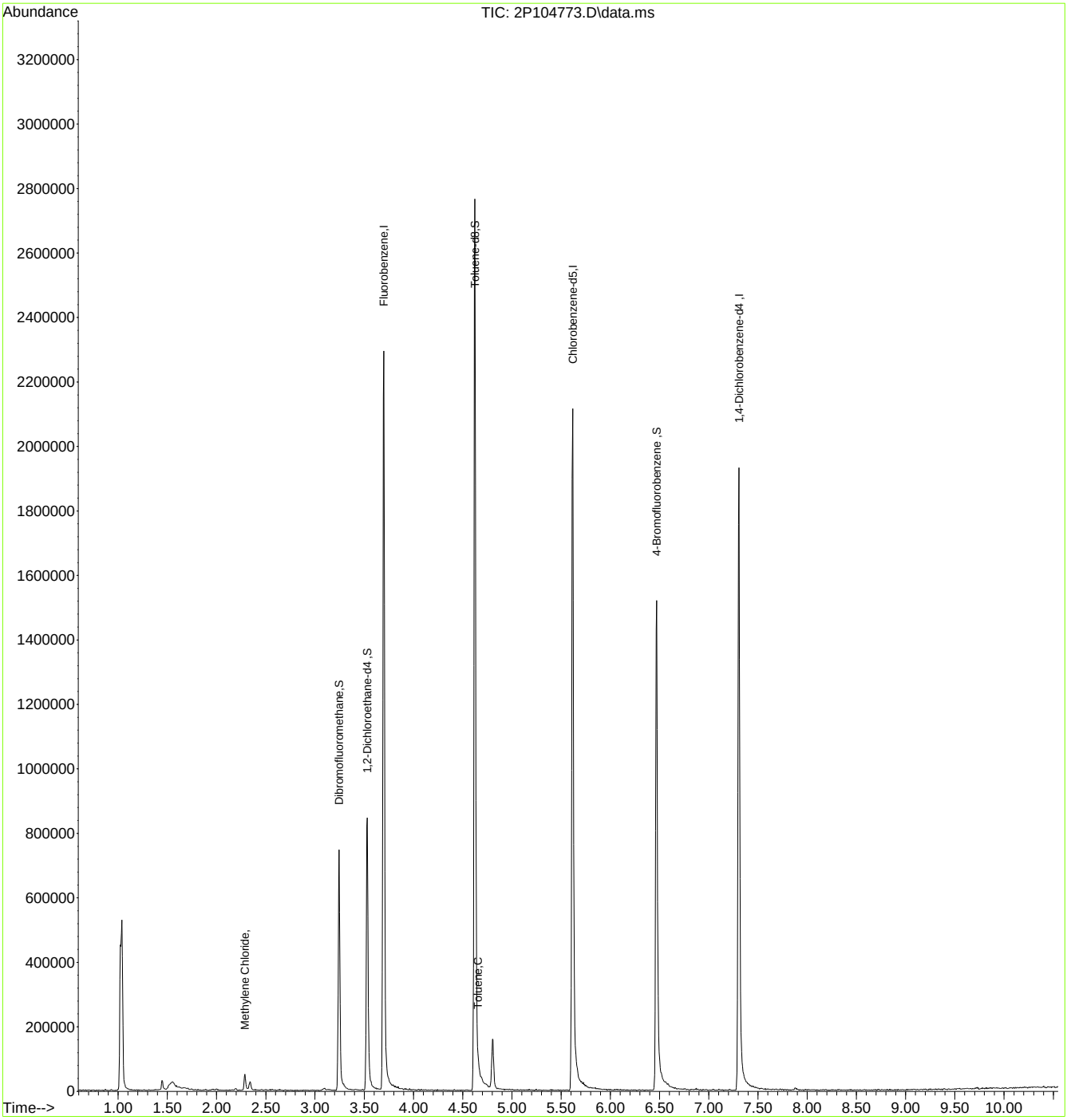
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.699	96	1336731	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.618	117	893152	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.307	152	406951	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.244	113	277534	47.47	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 94.94%			
49) 1,2-Dichloroethane-d4	3.532	65	393044	54.08	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 108.16%			
63) Toluene-d8	4.625	98	1301148	52.57	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 105.14%			
86) 4-Bromofluorobenzene	6.470	174	329013	46.40	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 92.80%			
Target Compounds						Qvalue
18) Methylene Chloride	2.288	49	17204	2.5934	ug/L	96
64) Toluene	4.656	91	8607	0.3735	ug/L	99

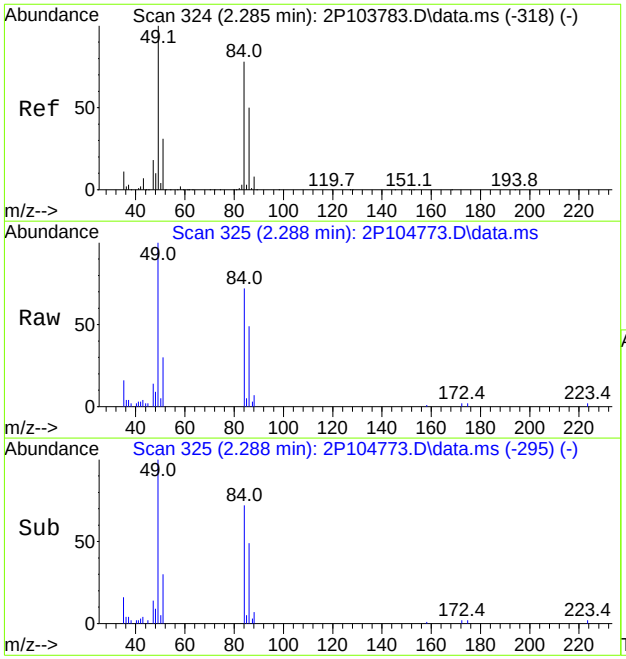
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Orlando VOA\celinec\2024\March 2024\03-15-2024\V2P3991\V2P3991\
Data File : 2P104773.D
Acq On : 14 Mar 2024 12:26 pm
Operator : lianatr
Sample : FC14007-12 Inst : MSVOA13-P
Misc : MS56096,V2P3991,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 15 03:16:49 2024
Quant Method : X:\Orlando VOA\celinec\2024\March 2024\03-15-2024\V2P3991\METHOD\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Feb 13 10:27:22 2024
Response via : Initial Calibration

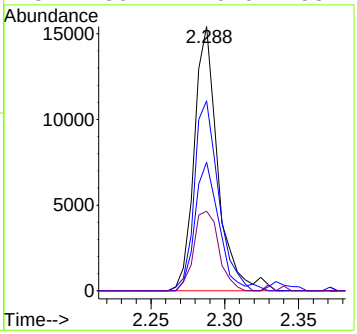


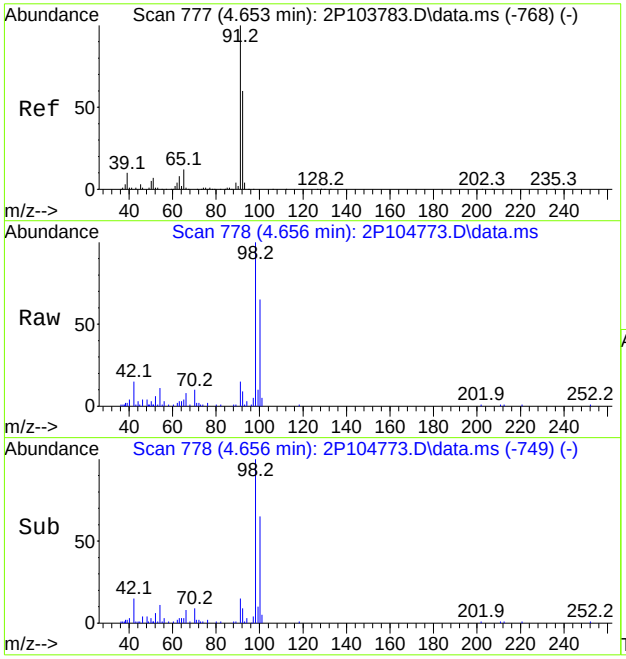


#18
Methylene Chloride
Concen: 2.5934 ug/L
RT: 2.288 min Scan# 325
Delta R.T. 0.005 min
Lab File: 2P104773.D
Acq: 14 Mar 2024 12:26 pm

Tgt Ion: 49 Resp: 17204

Ion	Ratio	Lower	Upper
49	100		
84	71.9	47.0	107.0
86	48.7	19.5	79.5
51	30.1	0.0	58.7

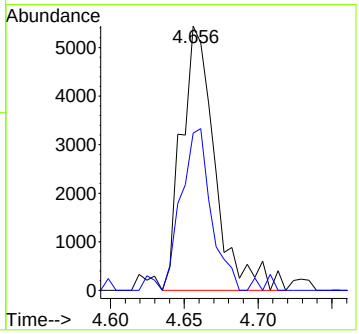




#64
Toluene
Concen: 0.3735 ug/L
RT: 4.656 min Scan# 778
Delta R.T. -0.000 min
Lab File: 2P104773.D
Acq: 14 Mar 2024 12:26 pm

Tgt Ion: 91 Resp: 8607

Ion	Ratio	Lower	Upper
91	100		
92	59.5	29.1	89.1



Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\2\data\03-14-2024\
Data File : 1O82625.D
Acq On : 14 Mar 2024 9:08 am
Operator : jeniferw
Sample : MB Inst : MSVOA12
Misc : MS56076,V1O2976,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 14 09:55:42 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration

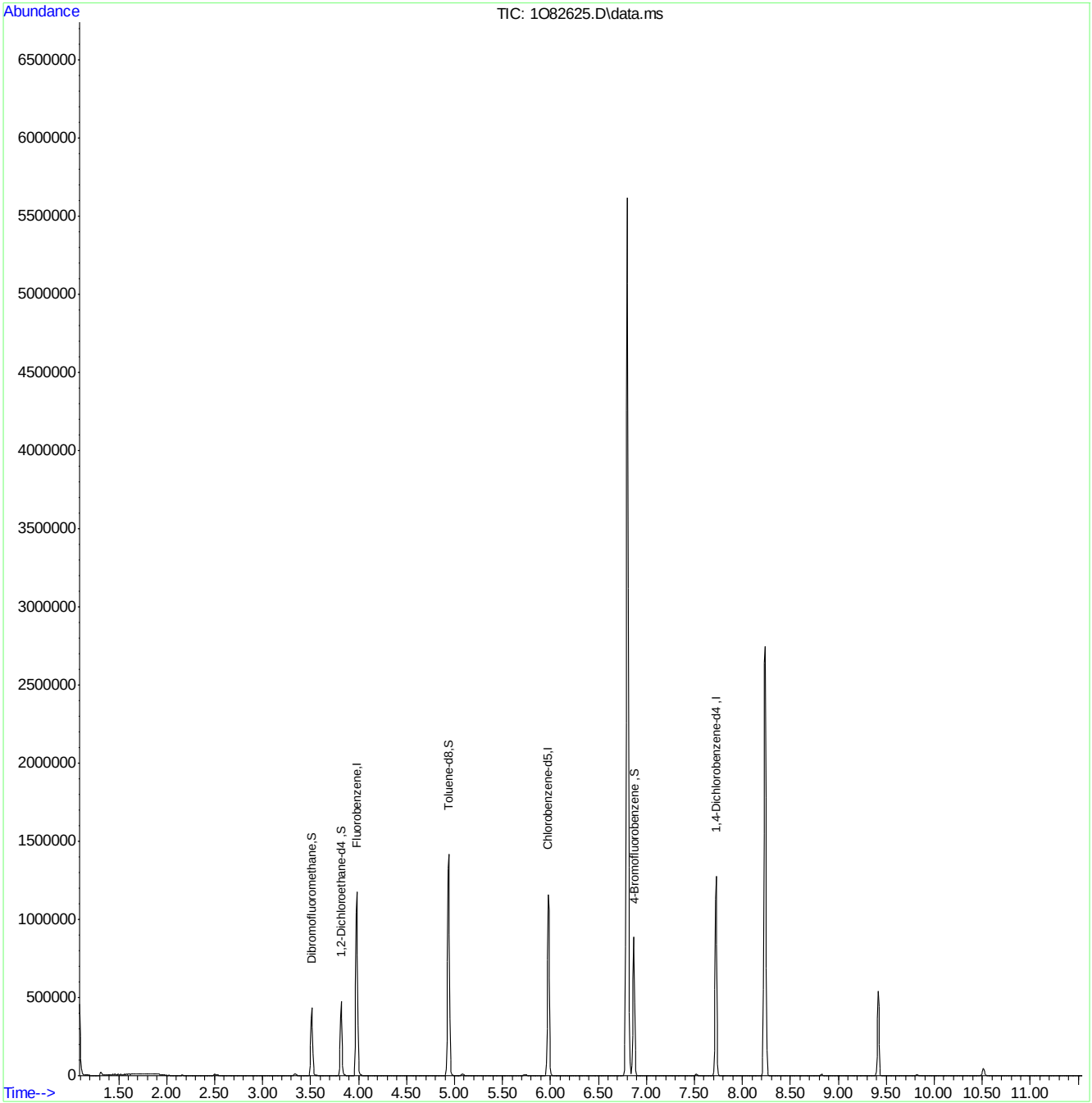
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.983	96	728966	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.976	117	488516	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.726	152	247977	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.513	113	182861	49.26	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.52%			
50) 1,2-Dichloroethane-d4	3.818	65	235560	49.96	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 99.92%			
63) Toluene-d8	4.940	98	718216	50.13	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.26%			
86) 4-Bromofluorobenzene	6.872	174	179555	50.96	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.92%			
Target Compounds						Qvalue

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

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\2\data\03-14-2024\
Data File : 1O82625.D
Acq On : 14 Mar 2024 9:08 am
Operator : jeniferw
Sample : MB Inst : MSVOA12
Misc : MS56076,V1O2976,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 14 09:55:42 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration



Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\2\data\03-15-2024\
Data File : 1O82653.D
Acq On : 15 Mar 2024 9:21 am
Operator : jeniferw
Sample : MB Inst : MSVOA12
Misc : MS56094,V1O2977,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 15 10:57:42 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration

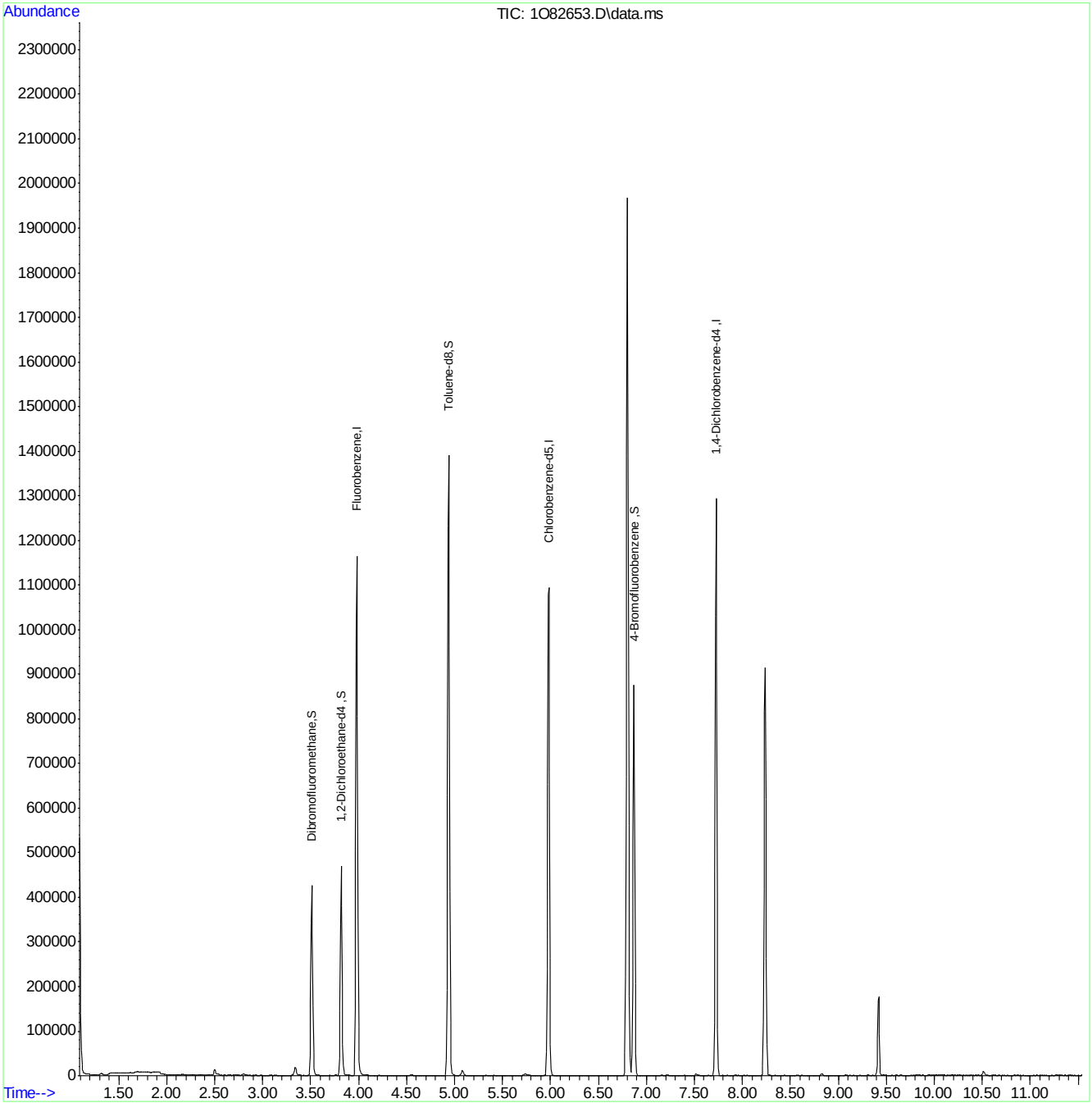
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.983	96	708942	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.982	117	471020	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.726	152	245744	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.513	113	178701	49.50	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.00%			
50) 1,2-Dichloroethane-d4	3.818	65	229676	50.09	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 100.18%			
63) Toluene-d8	4.940	98	693956	50.24	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.48%			
86) 4-Bromofluorobenzene	6.872	174	174766	50.05	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.10%			
Target Compounds						Qvalue

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

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\2\data\03-15-2024\
Data File : 1O82653.D
Acq On : 15 Mar 2024 9:21 am
Operator : jeniferw
Sample : MB Inst : MSVOA12
Misc : MS56094,V1O2977,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 15 10:57:42 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
03/15/24 12:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-14-2024\
Data File : 1O82623.D
Acq On : 14 Mar 2024 8:18 am
Operator : jeniferw
Sample : BS Inst : MSVOA12
Misc : MS56076,V1O2976,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 14 08:34:21 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.983	96	706947	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.976	117	476027	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.726	152	247113	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.513	113	181341	50.37	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.74%			
50) 1,2-Dichloroethane-d4	3.818	65	228488	49.97	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 99.94%			
63) Toluene-d8	4.940	98	702823	50.34	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.68%			
86) 4-Bromofluorobenzene	6.866	174	176815	50.35	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.70%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.197	85	88972	36.29	ug/L	98
3) Chloromethane	1.349	50	97758	30.95	ug/L	100
4) 1,3-butadiene	1.416	39	73990	25.86	ug/L	95
5) Vinyl Chloride	1.404	62	100756	29.80	ug/L	99
6) Bromomethane	1.636	94	25910	30.93	ug/L	100
7) Chloroethane	1.715	64	20372	26.57	ug/L	97
8) Trichlorofluoromethane	1.812	101	98472	28.26	ug/L	99
9) Ethyl Ether	2.026	59	78674	26.99	ug/L	99
10) Ethanol	2.129	45	42132	592.11	ug/L	90
11) 1,2-Dichlorotrifluoroe...	2.148	67	96154	27.55	ug/L	98
12) 1,1-Dichloroethene	2.148	61	123934	26.98	ug/L	98
13) Freon 113	2.178	101	73532	29.12	ug/L	98
14) Carbon Disulfide	2.166	76	236357	25.74	ug/L	99
15) Iodomethane	2.239	142	29581	30.54	ug/L	95
16) Acrolein	2.355	56	96860	87.88	ug/L	100
17) Allyl chloride	2.434	41	109169	25.63	ug/L	95
18) Methylene Chloride	2.501	49	120997	30.48	ug/L	97
19) Acetone	2.526	43	233761	147.50	ug/L	98
20) Methyl acetate	2.599	43	519450	129.92	ug/L	100
21) trans-1,2-Dichloroethene	2.599	61	124855	26.89	ug/L	99
22) Hexane	2.648	56	70583	27.83	ug/L	98
23) Methyl Tert Butyl Ether	2.660	73	232537	25.63	ug/L	98
24) Tert Butyl Alcohol	2.708	59	262050	275.92	ug/L	97
25) Acetonitrile	2.800	41	192902	323.11	ug/L	97
26) Di-isopropyl ether	2.879	45	258502	26.02	ug/L	99
27) Chloroprene	2.940	53	111491	23.29	ug/L	99
28) 1,1-Dichloroethane	2.952	63	149433	25.12	ug/L	99
29) Acrylonitrile	2.977	52	243298	136.64	ug/L	97
30) ETBE	3.080	59	268501	25.90	ug/L	98
31) Vinyl acetate	3.086	43	1000185	141.48	ug/L	100
32) cis-1,2-Dichloroethene	3.257	96	77642	24.10	ug/L	96
33) 2,2-Dichloropropane	3.318	77	112638	26.54	ug/L	99
34) Bromochloromethane	3.373	128	35952	24.59	ug/L	94
35) Cyclohexane	3.379	56	148985	26.48	ug/L #	90

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-14-2024\
Data File : 1O82623.D
Acq On : 14 Mar 2024 8:18 am
Operator : jeniferw
Sample : BS Inst : MSVOA12
Misc : MS56076,V1O2976,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 14 08:34:21 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Chloroform	3.410	83	142339	25.67	ug/L	98
37) Ethyl acetate	3.464	43	663218	134.06	ug/L	98
38) Tetrahydrofuran	3.501	42	52018	26.33	ug/L	99
40) Carbon Tetrachloride	3.495	117	84852m	24.52	ug/L	
41) 1,1,1-Trichloroethane	3.531	97	113035	25.73	ug/L	98
42) 2-Butanone	3.574	43	363393	127.86	ug/L	100
43) 1,1-Dichloropropene	3.599	75	106969	27.17	ug/L	98
44) tert-Butyl formate	3.660	59	365753	130.83	ug/L	97
45) Propionitrile	3.745	54	273287	288.62	ug/L	82
46) Methacrylonitrile	3.763	41	756593	274.72	ug/L	100
47) Benzene	3.745	78	303156	25.77	ug/L	90
48) TAME	3.800	73	218420	24.93	ug/L	98
49) Isobutyl alcohol	3.842	43	191599m	576.38	ug/L	
51) 1,2-Dichloroethane	3.855	62	113770	25.66	ug/L	97
52) Tert Amyl Alcohol	3.903	59	222501	280.35	ug/L	98
53) Trichloroethene	4.080	95	80700	25.22	ug/L	99
54) Methylcyclohexane	4.080	83	118176	26.16	ug/L	96
55) Dibromomethane	4.330	93	51181	25.56	ug/L	97
56) 1,2-Dichloropropane	4.391	63	90247	26.83	ug/L	97
57) Bromodichloromethane	4.428	83	95111	23.65	ug/L	98
58) Methyl methacrylate	4.513	41	93422	27.27	ug/L	99
59) 1,4-Dioxane	4.550	88	34199	564.89	ug/L	96
60) 2-Chloroethyl vinyl ether	4.769	63	353240	125.10	ug/L	99
61) cis-1,3-Dichloropropene	4.818	75	124242	25.33	ug/L	98
64) Toluene	4.970	91	311342	25.56	ug/L	99
65) 2-Nitropropane	5.110	41	160378	130.84	ug/L	99
66) 4-Methyl-2-pentanone	5.202	43	650887	134.20	ug/L	98
67) trans-1,3-Dichloropropene	5.232	75	109220	23.98	ug/L	99
68) Tetrachloroethene	5.226	166	68052	25.85	ug/L	96
69) Ethyl methacrylate	5.330	69	112997	25.34	ug/L	96
70) 1,1,2-Trichloroethane	5.336	83	64324	24.52	ug/L	95
71) Dibromochloromethane	5.464	129	67771	24.66	ug/L	99
72) 1,3-Dichloropropane	5.525	76	130777	26.68	ug/L	99
73) 1,2-Dibromoethane	5.629	107	75621	25.05	ug/L	96
74) 3,3-dimethyl-1-butanol	5.738	57	1233912	1335.73	ug/L	97
75) 2-hexanone	5.763	43	693779	135.46	ug/L	93
76) 1-Chlorohexane	5.970	91	90329m	22.40	ug/L	
77) Ethylbenzene	6.007	91	337187	25.48	ug/L	98
78) Chlorobenzene	5.988	112	191921	24.91	ug/L	97
79) 1,1,1,2-Tetrachloroethane	6.031	131	63823	24.61	ug/L	98
80) m,p-Xylene	6.110	91	528362	50.20	ug/L	99
81) o-Xylene	6.421	91	263409	23.98	ug/L	99
82) Styrene	6.458	104	208117	25.02	ug/L	98
83) Bromoform	6.482	173	39590	23.98	ug/L	99
84) Isopropylbenzene	6.653	105	303367	24.68	ug/L	98
87) cis-1,4-Dichloro-2-butene	6.915	53	43242	27.50	ug/L	98
88) n-Propylbenzene	6.970	91	375334	25.49	ug/L	99
89) Bromobenzene	6.952	156	72990	26.52	ug/L	95
90) 1,1,2,2-Tetrachloroethane	7.019	83	119960	25.84	ug/L	99
91) 1,3,5-Trimethylbenzene	7.122	105	266326	25.83	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-14-2024\
Data File : 1O82623.D
Acq On : 14 Mar 2024 8:18 am
Operator : jeniferw
Sample : BS Inst : MSVOA12
Misc : MS56076,V1O2976,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 14 08:34:21 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration

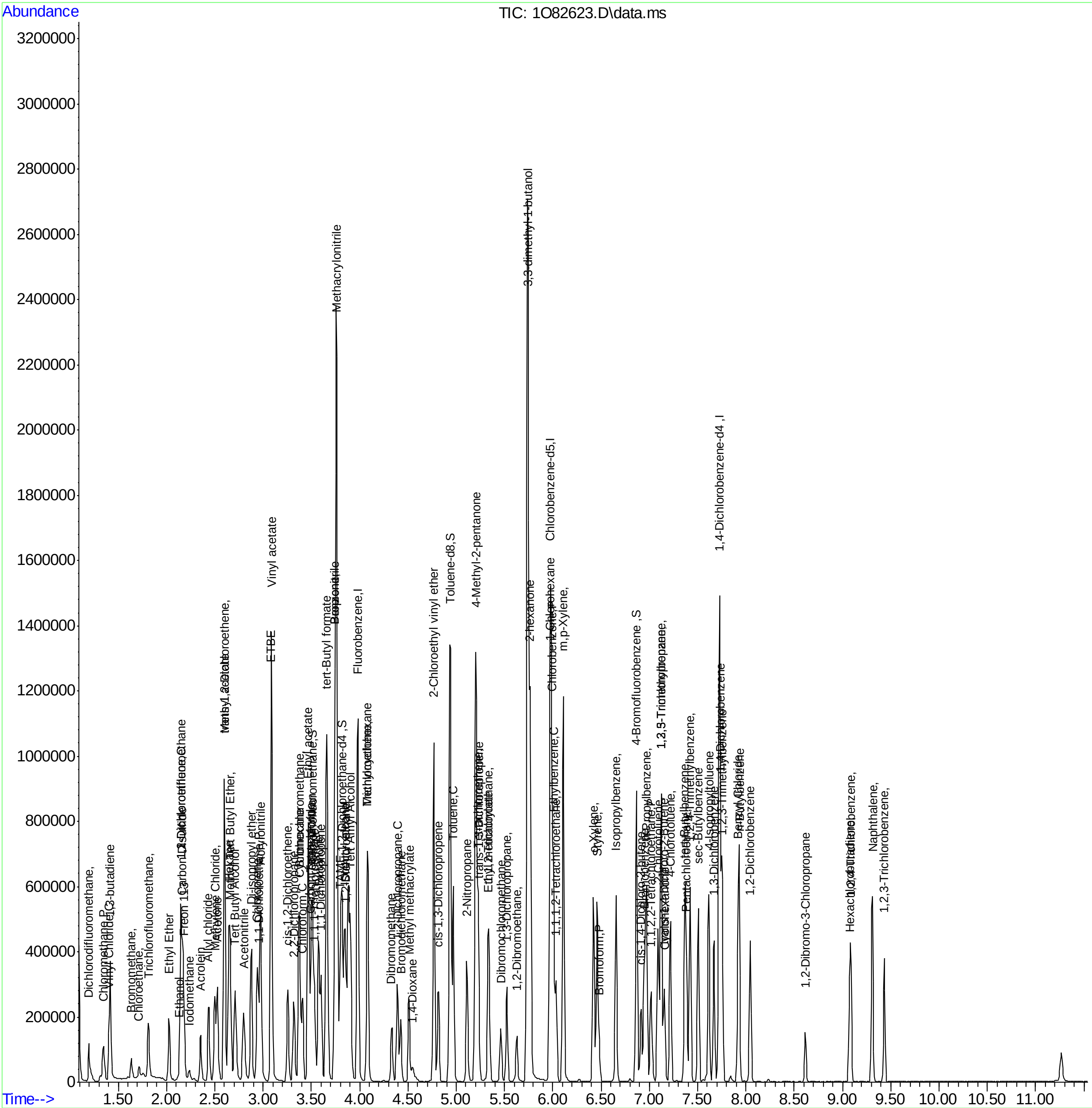
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92) 2-Chlorotoluene	7.092	91	253981	25.22	ug/L		98
93) trans-1,4-Dichloro-2-B...	7.153	53	32792	25.62	ug/L		92
94) 1,2,3-Trichloropropane	7.122	110	36314	27.78	ug/L		98
95) Cyclohexanone	7.159	55	39930	137.18	ug/L		98
96) 4-Chlorotoluene	7.220	91	240209	25.19	ug/L		98
97) tert-Butylbenzene	7.366	91	146250	25.44	ug/L		98
99) 1,2,4-Trimethylbenzene	7.421	105	270885	26.21	ug/L		98
100) Pentachloroethane	7.384	167	36102	26.45	ug/L		90
101) sec-Butylbenzene	7.506	105	293077	24.66	ug/L		99
102) 4-Isopropyltoluene	7.616	119	264084	26.36	ug/L		99
103) 1,3-Dichlorobenzene	7.671	146	136016	24.69	ug/L		99
104) 1,2,3-Trimethylbenzene	7.756	105	281502	26.41	ug/L		98
105) 1,4-Dichlorobenzene	7.738	146	140620	25.32	ug/L		96
106) n-Butylbenzene	7.933	92	152131	27.15	ug/L		86
107) Benzyl Chloride	7.921	126	36220	22.97	ug/L	#	42
108) 1,2-Dichlorobenzene	8.043	146	130570	25.15	ug/L		97
109) 1,2-Dibromo-3-Chloropr...	8.616	75	29889	26.63	ug/L		89
110) Hexachlorobutadiene	9.073	225	31283	28.73	ug/L		95
111) 1,2,4-Trichlorobenzene	9.085	180	80859	25.32	ug/L		97
112) Naphthalene	9.311	128	320754	24.02	ug/L		100
113) 1,2,3-Trichlorobenzene	9.433	180	77532	26.02	ug/L		98

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

Quantitation Report (QT Reviewed)

```
Data Path : C:\msdchem\2\data\03-14-2024\
Data File : 1O82623.D
Acq On    : 14 Mar 2024   8:18 am
Operator  : jeniferw
Sample    : BS                                    Inst     : MSVOA12
Misc      : MS56076,V1O2976,,,,,
ALS Vial  : 3   Sample Multiplier: 1

Quant Time: Mar 14 08:34:21 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title  : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration
```



Manual Integration Approval Summary

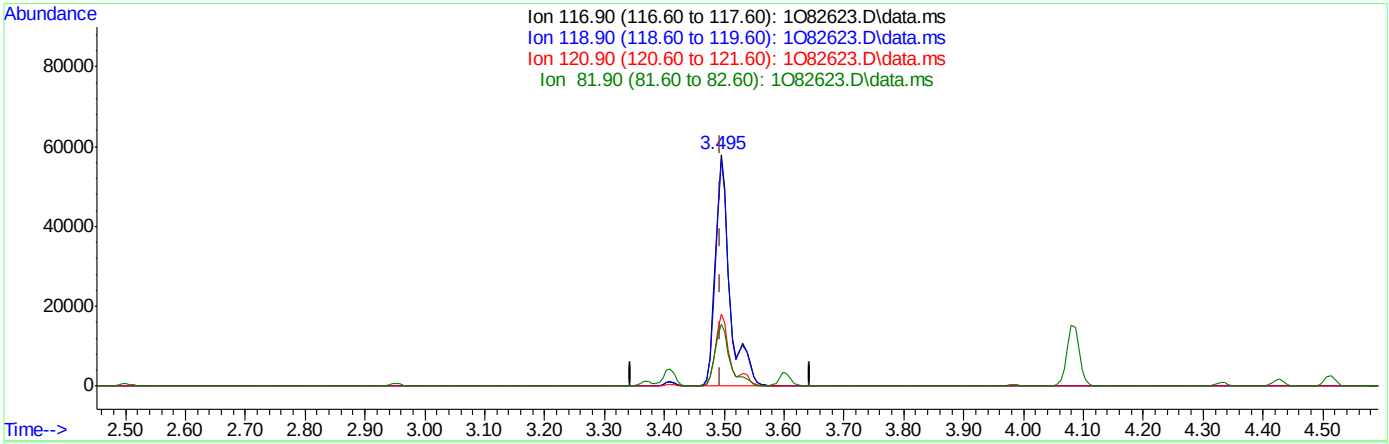
Sample Number: V1O2976-BS
Lab FileID: 1O82623.D
Injection Time: 03/14/24 08:18
Method: SW846 8260D
Analyst approved: 03/14/24 08:35 Jenifer Willis
Supervisor approved: 03/15/24 12:53 Karen Watson

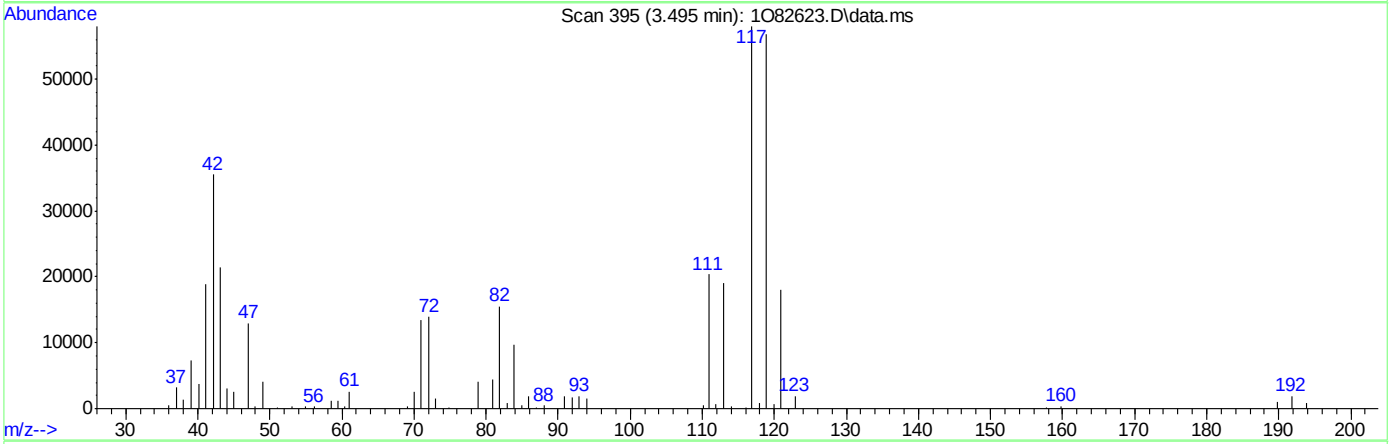
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.49	Overlapping peak
Isobutyl Alcohol	78-83-1		3.84	Overlapping peak
1-Chlorohexane	544-10-5		5.97	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-14-2024\
Data File : 1O82623.D
Acq On : 14 Mar 2024 8:18 am
Operator : jeniferw
Sample : BS Inst : MSVOA12
Misc : MS56076,V1O2976,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 14 08:33:54 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration





TIC: 1O82623.D\data.ms

(40) Carbon Tetrachloride ( )

3.495min (+0.000) 28.48ug/L

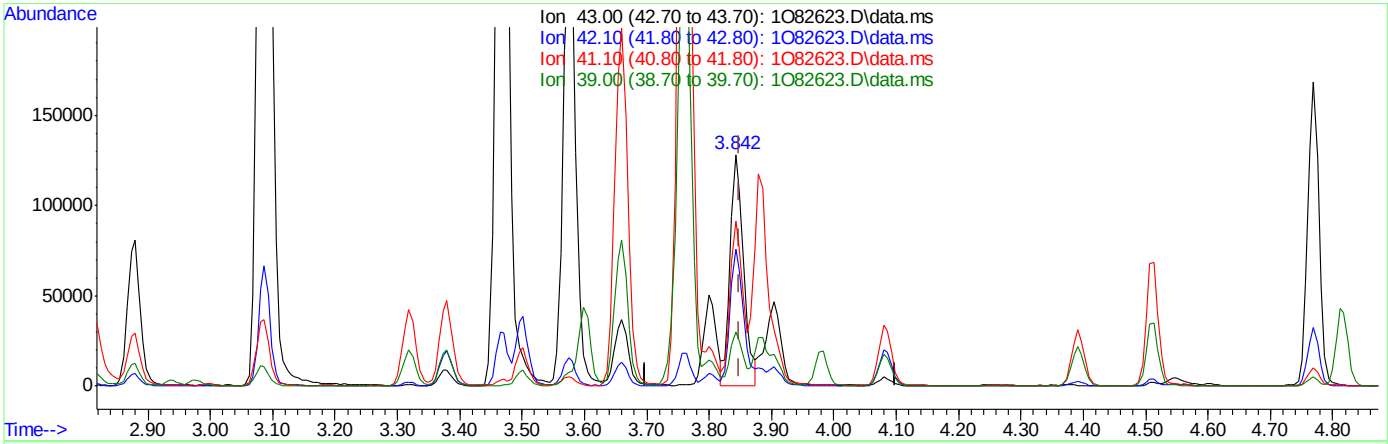
response 98570

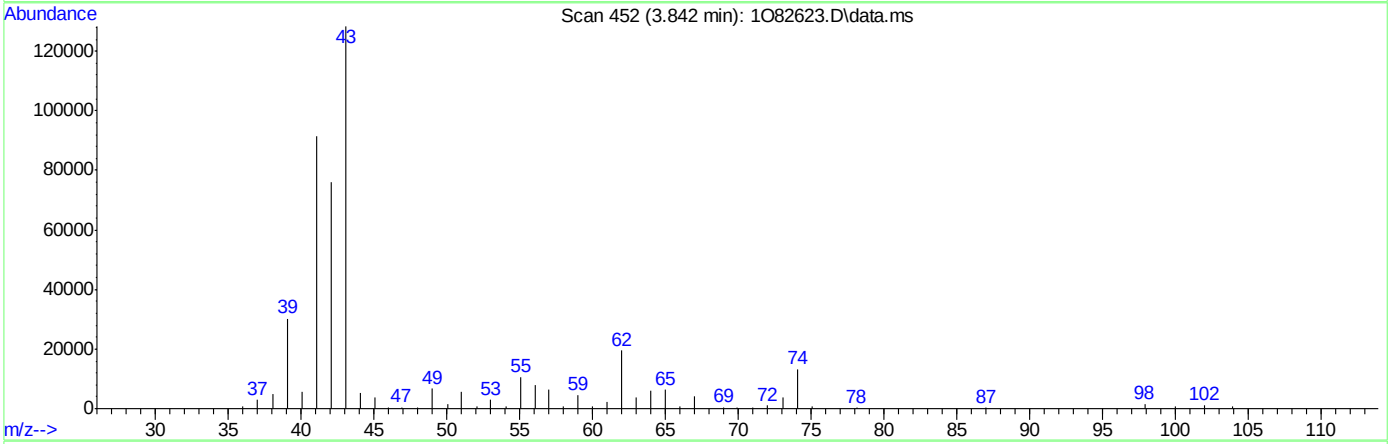
Ion	Exp%	Act%
116.90	100	100
118.90	93.10	97.89
120.90	29.70	31.08
81.90	25.40	26.80

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-14-2024\
Data File : 1O82623.D
Acq On : 14 Mar 2024 8:18 am
Operator : jeniferw
Sample : BS Inst : MSVOA12
Misc : MS56076,V1O2976,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 14 08:33:54 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration





TIC: 1O82623.D\data.ms

(49) Isobutyl alcohol

3.842min (-0.006) 576.38ug/L m

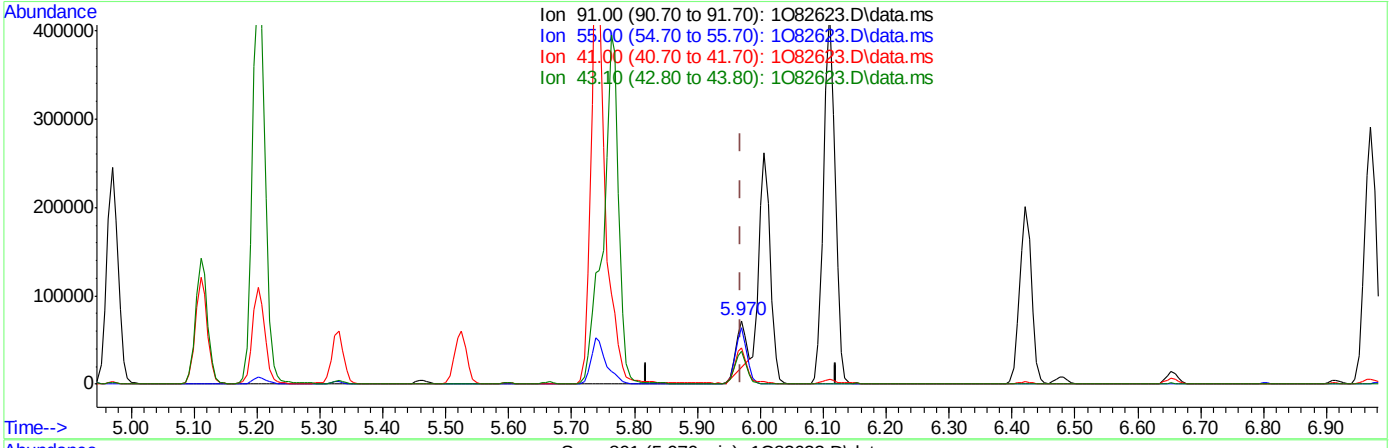
response 191599

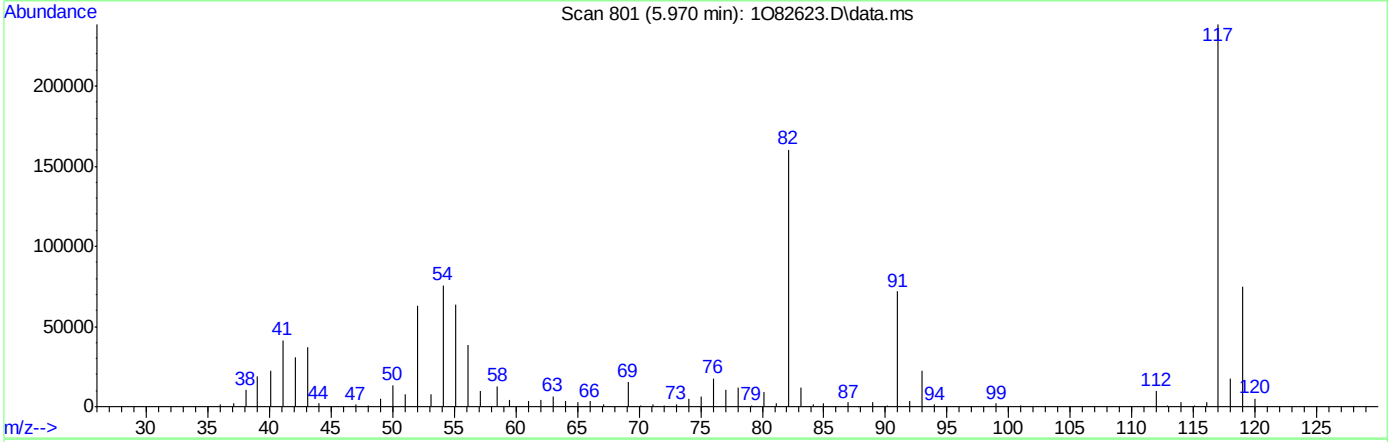
Ion	Exp%	Act%
43.00	100	100
42.10	60.00	59.31
41.10	68.80	71.23
39.00	22.50	23.48

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-14-2024\
Data File : 1O82623.D
Acq On : 14 Mar 2024 8:18 am
Operator : jeniferw
Sample : BS Inst : MSVOA12
Misc : MS56076,V1O2976,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 14 08:33:54 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration





TIC: 1O82623.D\data.ms

(76) 1-Chlorohexane

5.970min (+0.000) 14.38ug/L

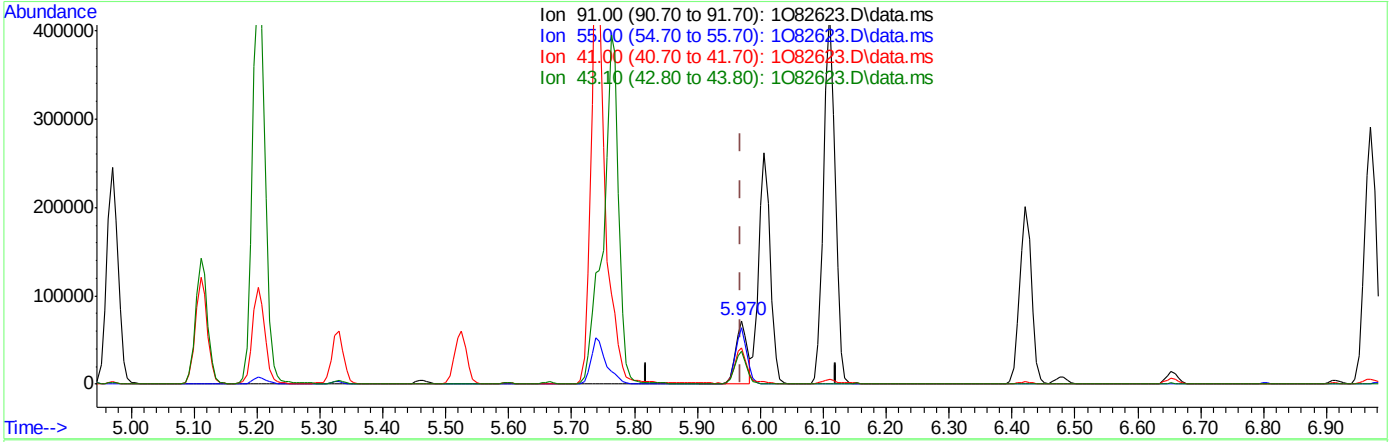
response 57977

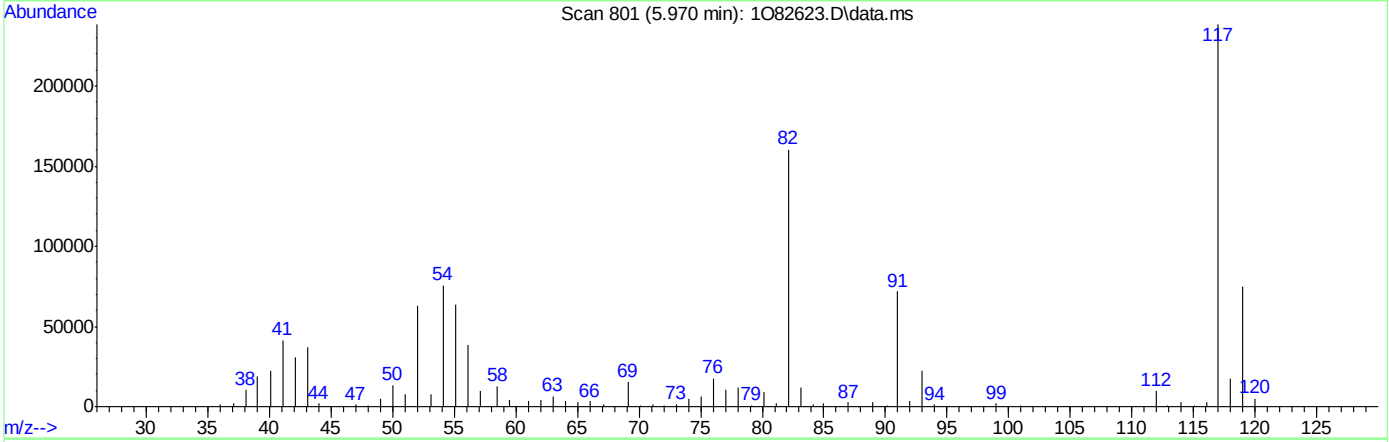
Ion	Exp%	Act%
91.00	100	100
55.00	82.50	87.38
41.00	56.60	55.84
43.10	48.60	50.59

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-14-2024\
Data File : 1O82623.D
Acq On : 14 Mar 2024 8:18 am
Operator : jeniferw
Sample : BS Inst : MSVOA12
Misc : MS56076,V1O2976,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 14 08:33:54 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration





TIC: 1O82623.D\data.ms

(76) 1-Chlorohexane

5.970min (+0.000) 22.40ug/L m

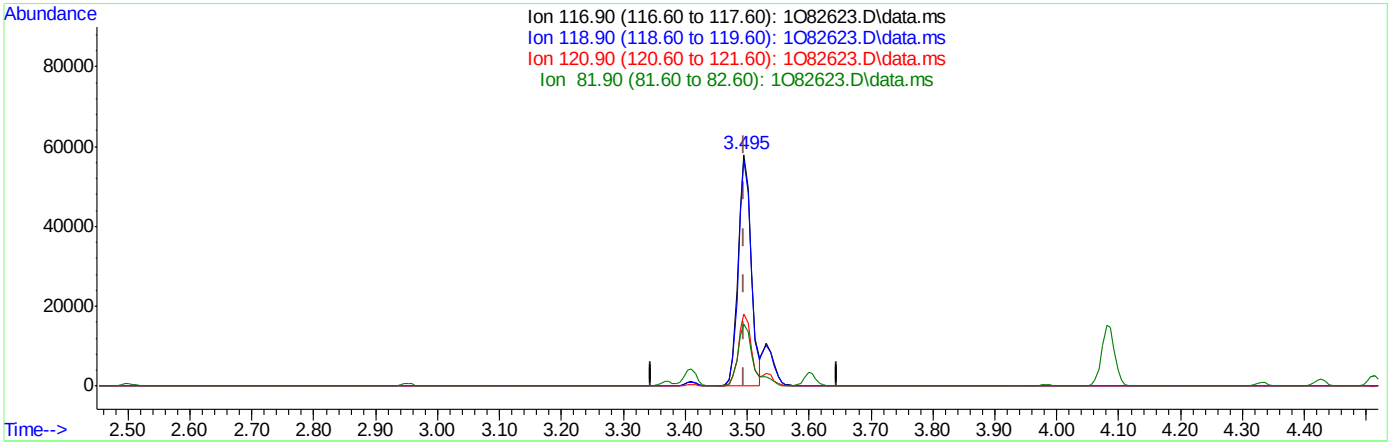
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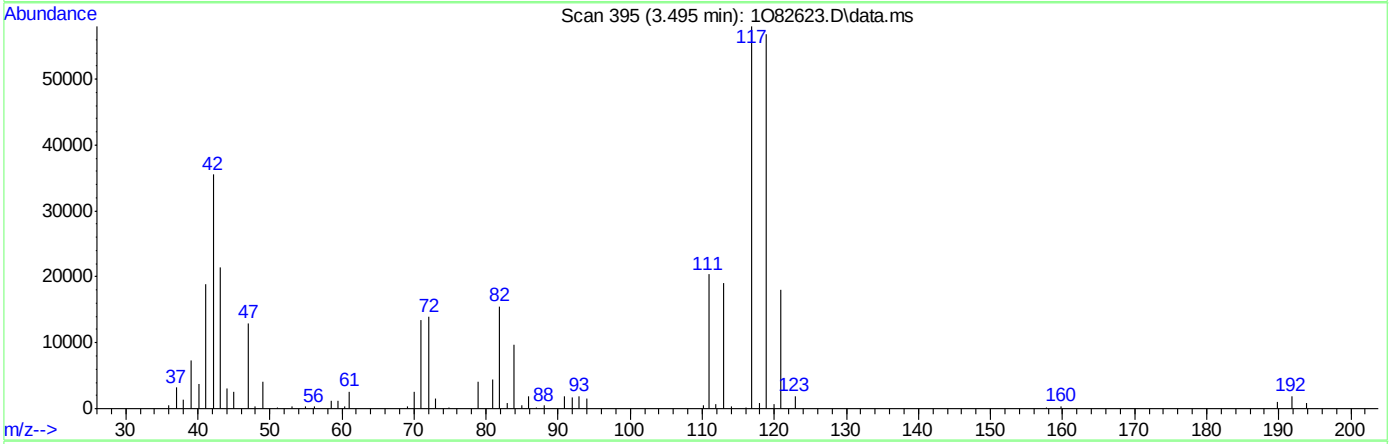
Ion	Exp%	Act%
91.00	100	100
55.00	82.50	88.27
41.00	56.60	57.57
43.10	48.60	51.67

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-14-2024\
Data File : 1O82623.D
Acq On : 14 Mar 2024 8:18 am
Operator : jeniferw
Sample : BS Inst : MSVOA12
Misc : MS56076,V1O2976,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 14 08:34:21 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration





TIC: 1O82623.D\data.ms

(40) Carbon Tetrachloride ( )

3.495min (+0.000) 24.52ug/L m

response 84852

Ion	Exp%	Act%
116.90	100	100
118.90	93.10	97.89
120.90	29.70	31.08
81.90	25.40	26.80

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
03/18/24 08:12

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-15-2024\
Data File : 1O82651.D
Acq On : 15 Mar 2024 8:30 am
Operator : jeniferw
Sample : BS Inst : MSVOA12
Misc : MS56094,V1O2977,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 15 08:45:28 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.982	96	692910	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.982	117	474107	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.726	152	248325	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.513	113	178046	50.46	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.92%			
50) 1,2-Dichloroethane-d4	3.818	65	229450	51.20	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 102.40%			
63) Toluene-d8	4.940	98	687217	49.43	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 98.86%			
86) 4-Bromofluorobenzene	6.872	174	177310	50.25	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.50%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.196	85	87049	36.22	ug/L	99
3) Chloromethane	1.349	50	96762	31.26	ug/L	100
4) 1,3-butadiene	1.422	39	75479	26.91	ug/L	100
5) Vinyl Chloride	1.404	62	98419	29.69	ug/L	99
6) Bromomethane	1.635	94	22455	27.35	ug/L	98
7) Chloroethane	1.715	64	24192	33.12	ug/L	95
8) Trichlorofluoromethane	1.818	101	96695	28.31	ug/L	96
9) Ethyl Ether	2.026	59	77294	27.06	ug/L	100
10) Ethanol	2.135	45	37218	533.64	ug/L	95
11) 1,2-Dichlorotrifluoroe...	2.148	67	94639	27.66	ug/L	97
12) 1,1-Dichloroethene	2.148	61	120957	26.87	ug/L	98
13) Freon 113	2.178	101	73310	29.62	ug/L	98
14) Carbon Disulfide	2.166	76	227464	25.27	ug/L	96
15) Iodomethane	2.233	142	23826	26.37	ug/L	96
16) Acrolein	2.355	56	121667	112.62	ug/L	100
17) Allyl chloride	2.440	41	107420	25.73	ug/L	96
18) Methylene Chloride	2.501	49	125494	32.25	ug/L	94
19) Acetone	2.525	43	239343	154.08	ug/L	96
20) Methyl acetate	2.599	43	515477	131.53	ug/L	99
21) trans-1,2-Dichloroethene	2.599	61	123467	27.13	ug/L	97
22) Hexane	2.647	56	71003	28.57	ug/L	99
23) Methyl Tert Butyl Ether	2.660	73	224908	25.29	ug/L	97
24) Tert Butyl Alcohol	2.708	59	248379	266.82	ug/L	94
25) Acetonitrile	2.800	41	175707	300.27	ug/L	98
26) Di-isopropyl ether	2.879	45	257347	26.43	ug/L	98
27) Chloroprene	2.940	53	108274	23.08	ug/L	98
28) 1,1-Dichloroethane	2.952	63	147009	25.21	ug/L	99
29) Acrylonitrile	2.977	52	241807	138.55	ug/L	99
30) ETBE	3.086	59	265554	26.13	ug/L	99
31) Vinyl acetate	3.086	43	997114	143.90	ug/L	99
32) cis-1,2-Dichloroethene	3.257	96	77001	24.39	ug/L	97
33) 2,2-Dichloropropane	3.318	77	109813	26.40	ug/L	100
34) Bromochloromethane	3.373	128	35182	24.55	ug/L	94
35) Cyclohexane	3.379	56	147191	26.69	ug/L	93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-15-2024\
Data File : 1O82651.D
Acq On : 15 Mar 2024 8:30 am
Operator : jeniferw
Sample : BS Inst : MSVOA12
Misc : MS56094,V1O2977,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 15 08:45:28 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Chloroform	3.409	83	138290	25.44	ug/L	98
37) Ethyl acetate	3.470	43	661144	136.35	ug/L	99
38) Tetrahydrofuran	3.501	42	52952	27.34	ug/L	97
40) Carbon Tetrachloride	3.495	117	78998m	23.29	ug/L	
41) 1,1,1-Trichloroethane	3.531	97	109365	25.40	ug/L	98
42) 2-Butanone	3.574	43	364203	130.74	ug/L	97
43) 1,1-Dichloropropene	3.605	75	104361	27.04	ug/L	99
44) tert-Butyl formate	3.659	59	329693	120.32	ug/L	94
45) Propionitrile	3.751	54	265116	285.66	ug/L	96
46) Methacrylonitrile	3.763	41	753819	279.26	ug/L	100
47) Benzene	3.745	78	298143	25.86	ug/L	93
48) TAME	3.800	73	210679	24.53	ug/L	97
49) Isobutyl alcohol	3.842	43	182430m	559.91	ug/L	
51) 1,2-Dichloroethane	3.861	62	114183	26.27	ug/L	98
52) Tert Amyl Alcohol	3.903	59	209111	268.82	ug/L	95
53) Trichloroethene	4.080	95	77701	24.77	ug/L	99
54) Methylcyclohexane	4.086	83	116216	26.24	ug/L	97
55) Dibromomethane	4.330	93	49840	25.40	ug/L	94
56) 1,2-Dichloropropane	4.391	63	88831	26.94	ug/L	97
57) Bromodichloromethane	4.428	83	91420	23.19	ug/L	99
58) Methyl methacrylate	4.513	41	92677	27.60	ug/L	97
59) 1,4-Dioxane	4.549	88	32833	553.31	ug/L	96
60) 2-Chloroethyl vinyl ether	4.769	63	343782	124.22	ug/L	99
61) cis-1,3-Dichloropropene	4.818	75	118804	24.71	ug/L	99
64) Toluene	4.970	91	299177	24.66	ug/L	98
65) 2-Nitropropane	5.110	41	149337	122.32	ug/L	97
66) 4-Methyl-2-pentanone	5.202	43	658301	136.28	ug/L	98
67) trans-1,3-Dichloropropene	5.232	75	105599	23.28	ug/L	97
68) Tetrachloroethene	5.226	166	66651	25.42	ug/L	97
69) Ethyl methacrylate	5.330	69	111572	25.13	ug/L	95
70) 1,1,2-Trichloroethane	5.342	83	61889	23.69	ug/L	96
71) Dibromochloromethane	5.464	129	64468	23.55	ug/L	98
72) 1,3-Dichloropropane	5.525	76	129940	26.62	ug/L	98
73) 1,2-Dibromoethane	5.629	107	74041	24.62	ug/L	100
74) 3,3-dimethyl-1-butanol	5.744	57	1203057	1307.61	ug/L	98
75) 2-hexanone	5.769	43	702443	137.71	ug/L	98
76) 1-Chlorohexane	5.970	91	97573m	24.29	ug/L	
77) Ethylbenzene	6.007	91	321684	24.41	ug/L	98
78) Chlorobenzene	5.994	112	187656	24.45	ug/L	97
79) 1,1,1,2-Tetrachloroethane	6.037	131	59283	22.95	ug/L	99
80) m,p-Xylene	6.110	91	513636	49.00	ug/L	99
81) o-Xylene	6.421	91	257780	23.56	ug/L	99
82) Styrene	6.464	104	202850	24.49	ug/L	99
83) Bromoform	6.482	173	35341	21.49	ug/L	98
84) Isopropylbenzene	6.659	105	296919	24.26	ug/L	99
87) cis-1,4-Dichloro-2-butene	6.915	53	40903	25.88	ug/L	95
88) n-Propylbenzene	6.970	91	370793	25.06	ug/L	98
89) Bromobenzene	6.951	156	72670	26.28	ug/L	94
90) 1,1,2,2-Tetrachloroethane	7.019	83	117592	25.21	ug/L	99
91) 1,3,5-Trimethylbenzene	7.122	105	257905	24.89	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-15-2024\
Data File : 1O82651.D
Acq On : 15 Mar 2024 8:30 am
Operator : jeniferw
Sample : BS Inst : MSVOA12
Misc : MS56094,V1O2977,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 15 08:45:28 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration

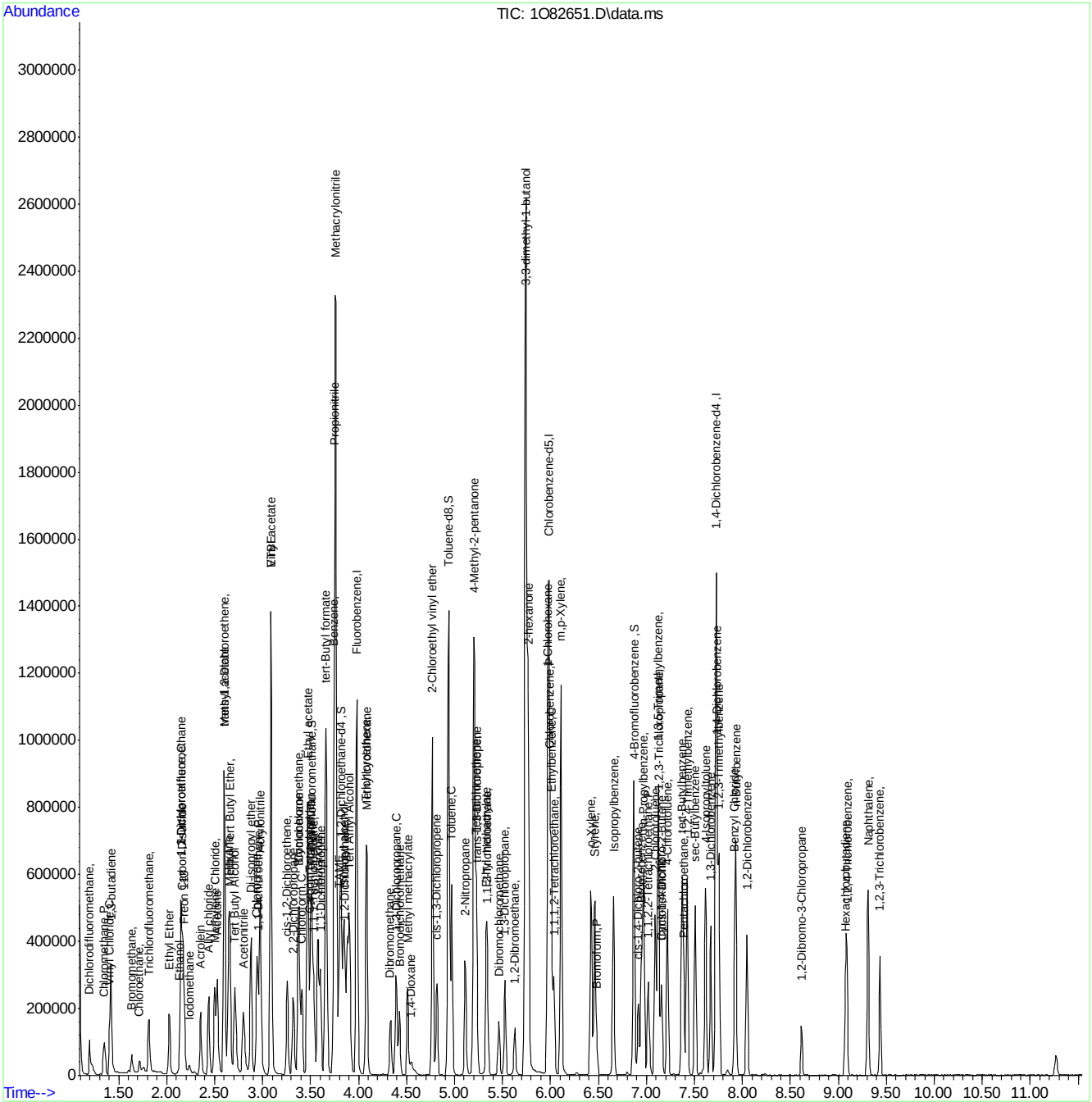
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92) 2-Chlorotoluene	7.092	91	249632	24.67	ug/L		99
93) trans-1,4-Dichloro-2-B...	7.159	53	31396	24.41	ug/L		91
94) 1,2,3-Trichloropropane	7.128	110	35250	26.83	ug/L		98
95) Cyclohexanone	7.159	55	38151	130.43	ug/L		98
96) 4-Chlorotoluene	7.220	91	233538	24.37	ug/L		98
97) tert-Butylbenzene	7.372	91	145139	25.12	ug/L		99
99) 1,2,4-Trimethylbenzene	7.427	105	265328	25.55	ug/L		99
100) Pentachloroethane	7.390	167	32714	23.85	ug/L	#	85
101) sec-Butylbenzene	7.506	105	289526	24.25	ug/L		98
102) 4-Isopropyltoluene	7.616	119	255355	25.37	ug/L		99
103) 1,3-Dichlorobenzene	7.671	146	132818	23.99	ug/L		97
104) 1,2,3-Trimethylbenzene	7.756	105	275273	25.70	ug/L		99
105) 1,4-Dichlorobenzene	7.738	146	136813	24.51	ug/L		98
106) n-Butylbenzene	7.933	92	148389	26.35	ug/L		90
107) Benzyl Chloride	7.921	126	33711	21.31	ug/L	#	63
108) 1,2-Dichlorobenzene	8.049	146	125988	24.15	ug/L		100
109) 1,2-Dibromo-3-Chloropr...	8.616	75	29020	25.73	ug/L		85
110) Hexachlorobutadiene	9.073	225	30082	27.50	ug/L		96
111) 1,2,4-Trichlorobenzene	9.091	180	79116	24.66	ug/L		97
112) Naphthalene	9.311	128	307308	22.90	ug/L		99
113) 1,2,3-Trichlorobenzene	9.433	180	74069	24.73	ug/L		97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-15-2024\
Data File : 1O82651.D
Acq On : 15 Mar 2024 8:30 am
Operator : jeniferw
Sample : BS Inst : MSVOA12
Misc : MS56094,V1O2977,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 15 08:45:28 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration



Manual Integration Approval Summary

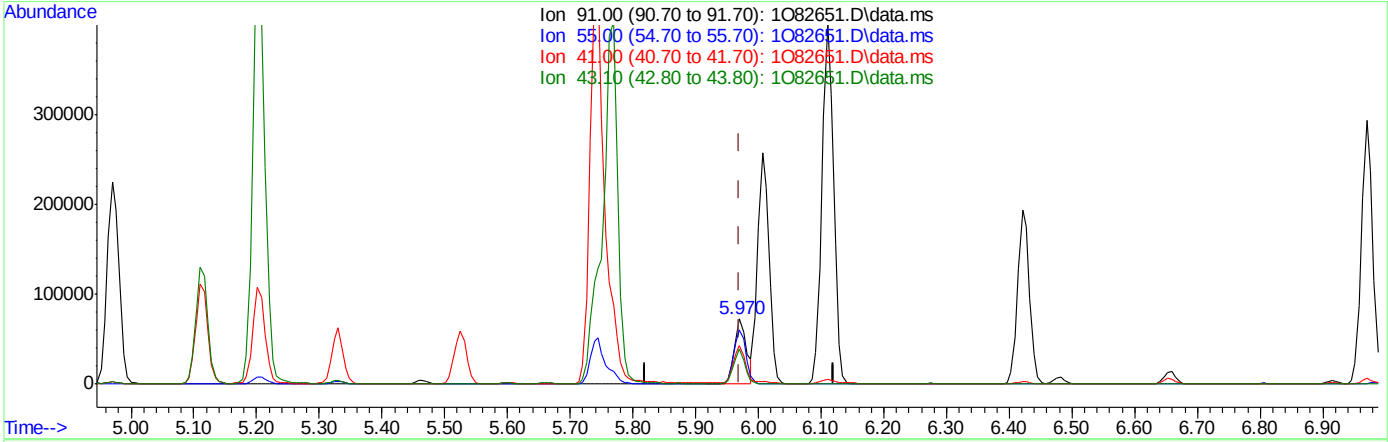
Sample Number: V1O2977-BS
Lab FileID: 1O82651.D
Injection Time: 03/15/24 08:30
Method: SW846 8260D
Analyst approved: 03/15/24 08:50 Jenifer Willis
Supervisor approved: 03/18/24 08:12 Karen Watson

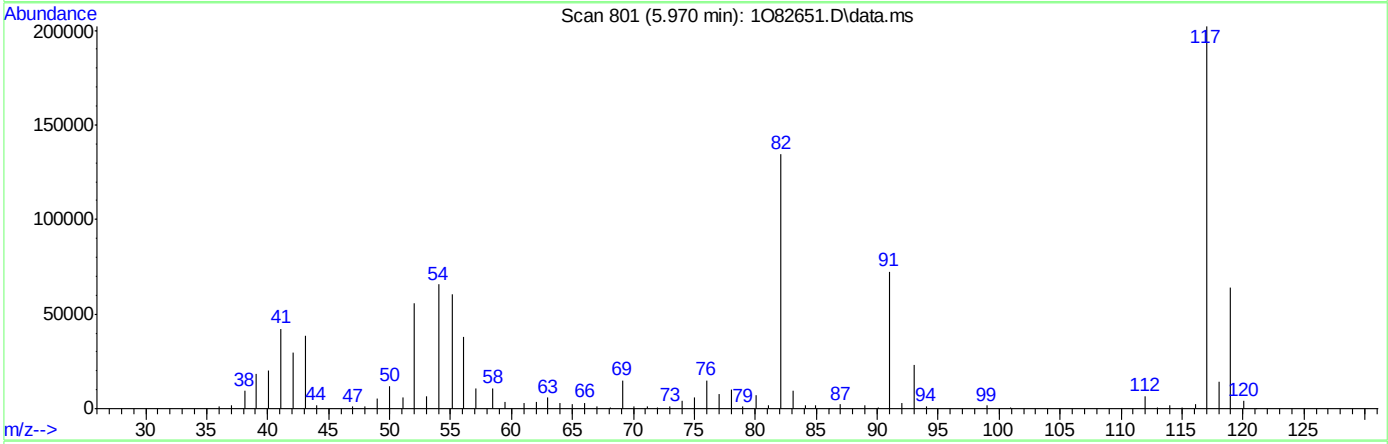
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.49	Overlapping peak
Isobutyl Alcohol	78-83-1		3.84	Poorly defined baseline
1-Chlorohexane	544-10-5		5.97	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-15-2024\
Data File : 1O82651.D
Acq On : 15 Mar 2024 8:30 am
Operator : jeniferw
Sample : BS Inst : MSVOA12
Misc : MS56094,V1O2977,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 15 08:45:00 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration





TIC: 1O82651.D\data.ms

(76) 1-Chlorohexane

5.970min (+0.000) 24.29ug/L m

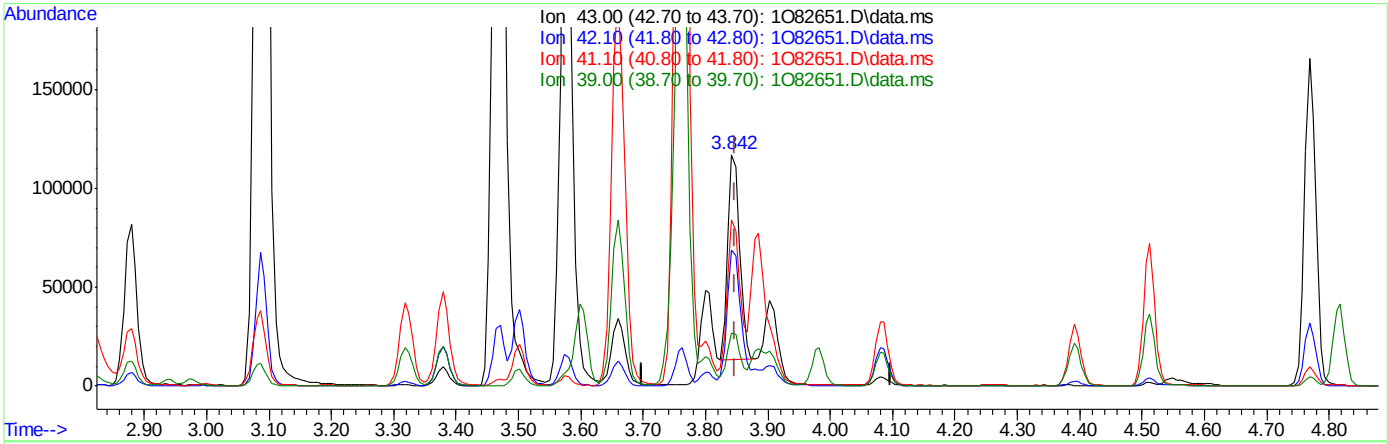
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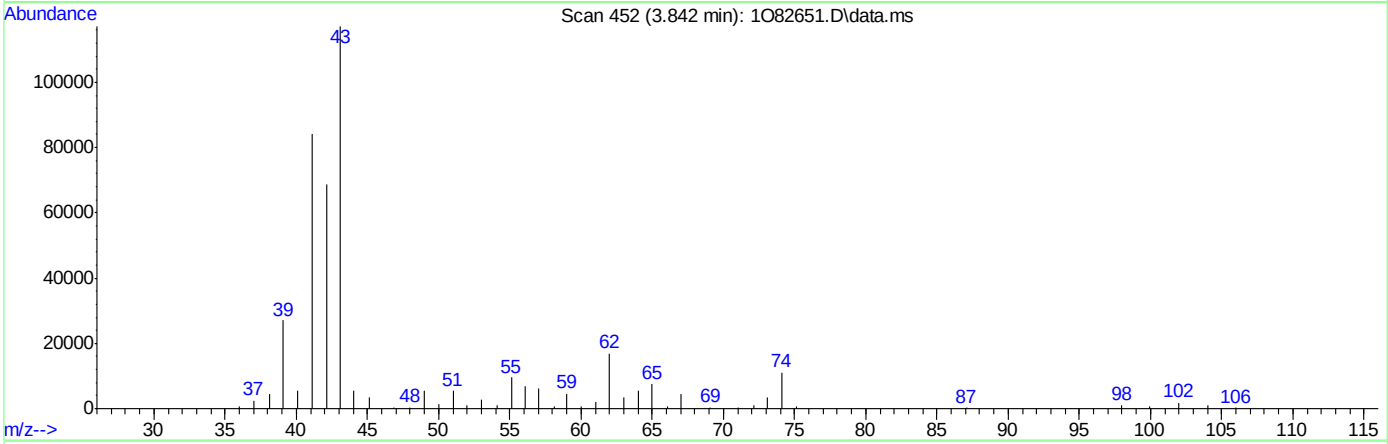
Ion	Exp%	Act%
91.00	100	100
55.00	82.50	82.90
41.00	56.60	58.29
43.10	48.60	53.19

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-15-2024\
Data File : 1O82651.D
Acq On : 15 Mar 2024 8:30 am
Operator : jeniferw
Sample : BS Inst : MSVOA12
Misc : MS56094,V1O2977,,,,,
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Quant Time: Mar 15 08:45:00 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration





TIC: 1O82651.D\data.ms

(49) Isobutyl alcohol

3.842min (-0.006) 422.15ug/L

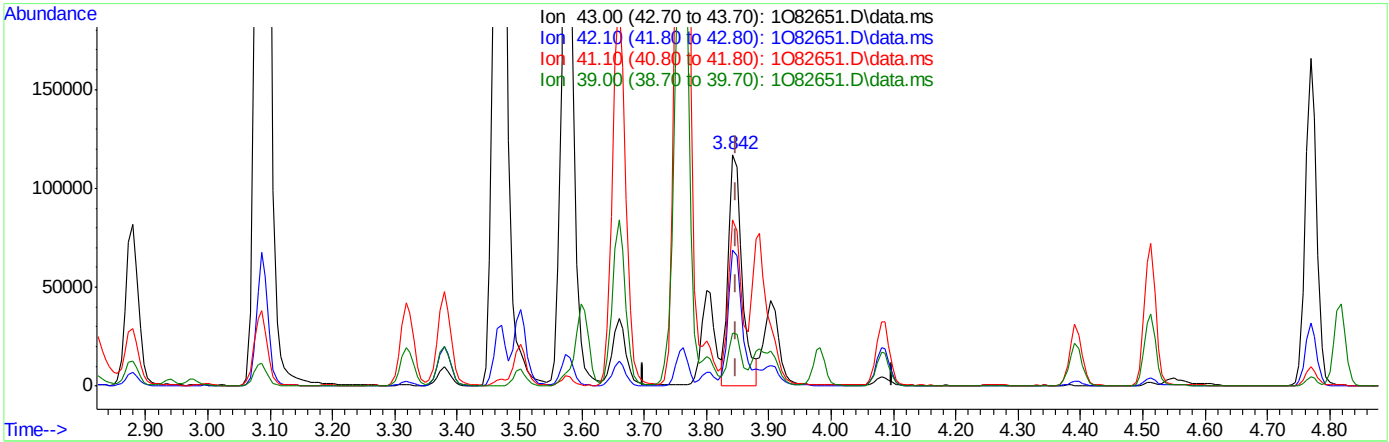
response 137545

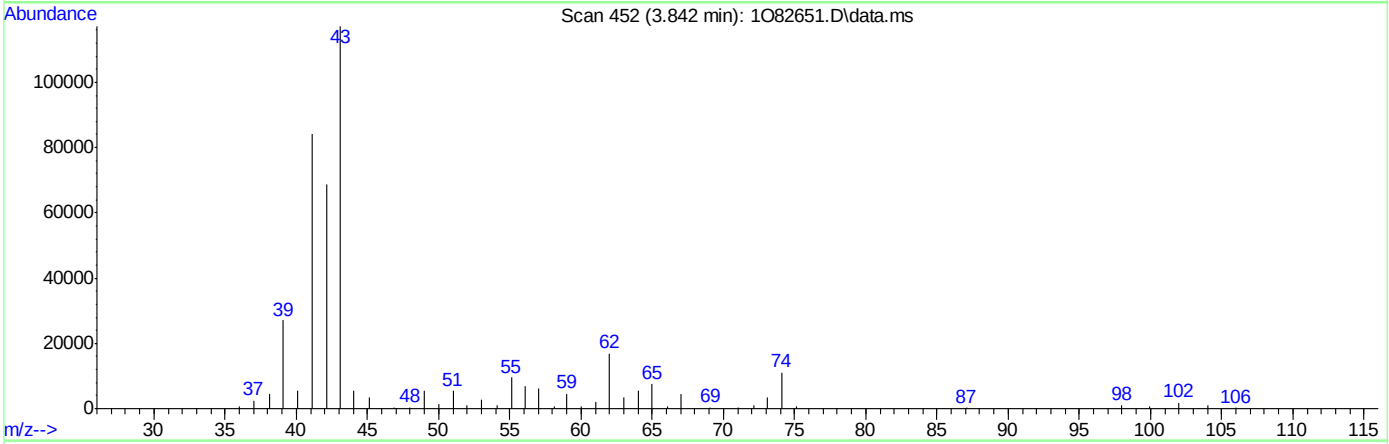
Ion	Exp%	Act%
43.00	100	100
42.10	60.00	61.26
41.10	68.80	72.03
39.00	22.50	21.68

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-15-2024\
Data File : 1O82651.D
Acq On : 15 Mar 2024 8:30 am
Operator : jeniferw
Sample : BS Inst : MSVOA12
Misc : MS56094,V1O2977,,,,,
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Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration





TIC: 1O82651.D\data.ms

(49) Isobutyl alcohol

3.842min (-0.006) 559.91ug/L m

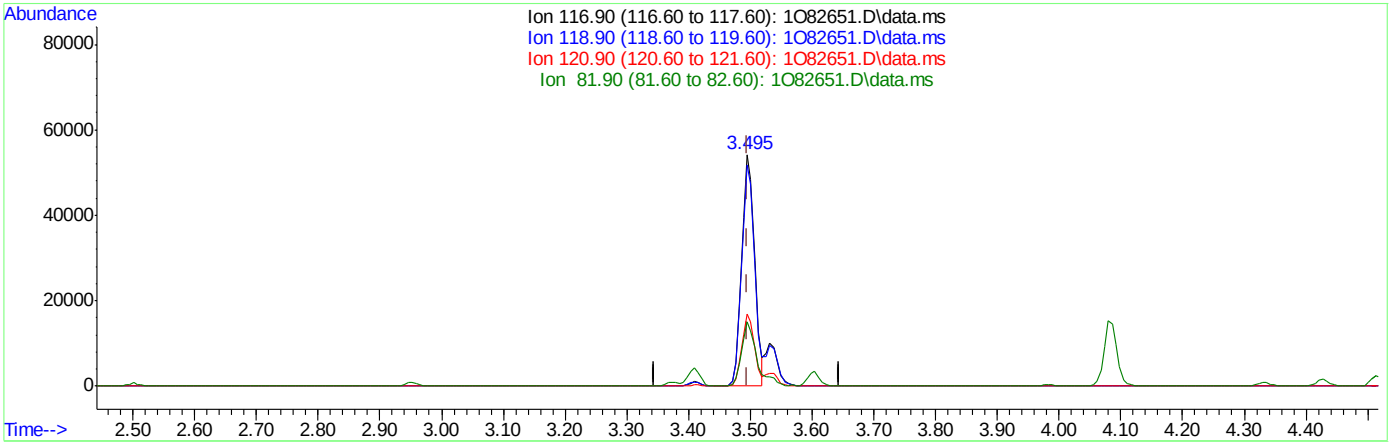
response 182430

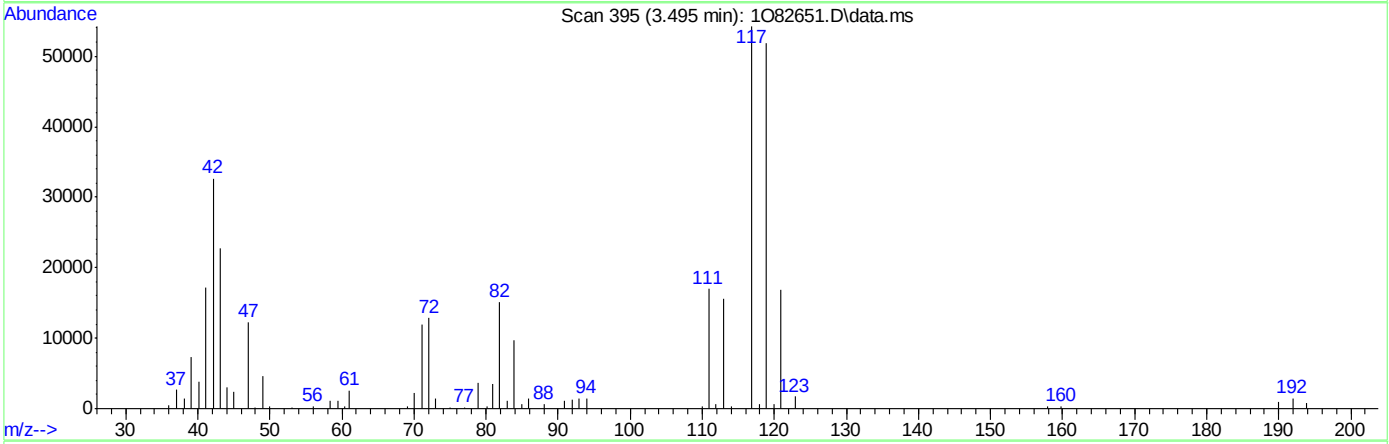
Ion	Exp%	Act%
43.00	100	100
42.10	60.00	58.70
41.10	68.80	71.77
39.00	22.50	23.07

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-15-2024\
Data File : 1O82651.D
Acq On : 15 Mar 2024 8:30 am
Operator : jeniferw
Sample : BS Inst : MSVOA12
Misc : MS56094,V1O2977,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 15 08:45:28 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration





TIC: 1O82651.D\data.ms

(40) Carbon Tetrachloride ( )

3.495min (+0.000) 23.29ug/L m

response 78998

Ion	Exp%	Act%
116.90	100	100
118.90	93.10	95.66
120.90	29.70	31.11
81.90	25.40	27.94

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
03/15/24 12:53

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\V1O2976\
Data File : 1O82646.d
Acq On : 14 Mar 2024 6:04 pm
Operator : jeniferw
Sample : FC14007-6MS Inst : MSVOA12
Misc : MS56094,V1O2976,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Mar 15 09:40:56 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\method\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.983	96	673971	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.982	117	455478	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.726	152	236558	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.513	113	173785	50.63	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.26%			
50) 1,2-Dichloroethane-d4	3.818	65	225339	51.69	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 103.38%			
63) Toluene-d8	4.940	98	670085	50.16	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.32%			
86) 4-Bromofluorobenzene	6.872	174	168878	50.24	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.48%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.197	85	69716	29.8245	ug/L	99
3) Chloromethane	1.349	50	78071	25.9300	ug/L	98
4) 1,3-butadiene	1.422	39	67976	24.9185	ug/L	98
5) Vinyl Chloride	1.404	62	81341	25.2315	ug/L	98
6) Bromomethane	1.642	94	14610	18.2961	ug/L	99
7) Chloroethane	1.727	64	36668	57.9084	ug/L	97
8) Trichlorofluoromethane	1.824	101	80842	24.3379	ug/L	97
9) Ethyl Ether	2.032	59	64345	23.1571	ug/L	97
10) Ethanol	2.123	45	22075	325.4136	ug/L	97
11) 1,2-Dichlorotrifluoroe...	2.154	67	87292	26.2305	ug/L	98
12) 1,1-Dichloroethene	2.154	61	109055	24.9032	ug/L	97
13) Freon 113	2.178	101	66120	27.4670	ug/L	97
14) Carbon Disulfide	2.172	76	198638	22.6911	ug/L	99
15) Iodomethane	2.239	142	15197	18.9938	ug/L	97
16) Acrolein	2.355	56	130489	124.1848	ug/L	99
17) Allyl chloride	2.440	41	86261	21.2465	ug/L	95
18) Methylene Chloride	2.501	49	94192	24.8880	ug/L	91
19) Acetone	2.526	43	166653	110.2979	ug/L	97
20) Methyl acetate	2.599	43	398559	104.5583	ug/L	98
21) trans-1,2-Dichloroethene	2.599	61	107751	24.3440	ug/L	96
22) Hexane	2.647	56	61807	25.5655	ug/L	97
23) Methyl Tert Butyl Ether	2.660	73	184621	21.3440	ug/L	79
24) Tert Butyl Alcohol	2.708	59	211471	233.5561	ug/L	92
25) Acetonitrile	2.800	41	124943	219.5190	ug/L	98
26) Di-isopropyl ether	2.879	45	218508	23.0696	ug/L	97
27) Chloroprene	2.940	53	97007	21.2553	ug/L	97
28) 1,1-Dichloroethane	2.952	63	126984	22.3899	ug/L	99
29) Acrylonitrile	2.977	52	209942	123.6748	ug/L	100
30) ETBE	3.086	59	219536	22.2113	ug/L	98
31) Vinyl acetate	3.086	43	860540	127.6784	ug/L	100
32) cis-1,2-Dichloroethene	3.257	96	65629	21.3694	ug/L	94
33) 2,2-Dichloropropane	3.324	77	87970	21.7422	ug/L	99
34) Bromochloromethane	3.373	128	29866	21.4290	ug/L	93
35) Cyclohexane	3.379	56	135583	25.2734	ug/L	91
36) Chloroform	3.410	83	115888	21.9219	ug/L	98
37) Ethyl acetate	3.470	43	555291	117.7352	ug/L	99
38) Tetrahydrofuran	3.501	42	43868	23.2887	ug/L	94
40) Carbon Tetrachloride	3.501	117	69533m	21.0733	ug/L	
41) 1,1,1-Trichloroethane	3.538	97	95820	22.8758	ug/L	98
42) 2-Butanone	3.574	43	272344	100.5117	ug/L	96
43) 1,1-Dichloropropene	3.605	75	92078	24.5300	ug/L	95
44) tert-Butyl formate	3.659	59	13218	4.9593	ug/L #	85

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\V1O2976\
Data File : 1O82646.d
Acq On : 14 Mar 2024 6:04 pm
Operator : jeniferw
Sample : FC14007-6MS Inst : MSVOA12
Misc : MS56094,V1O2976,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Mar 15 09:40:56 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\method\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Propionitrile	3.751	54	191797	212.4657	ug/L		97
46) Methacrylonitrile	3.763	41	589516	224.5286	ug/L		100
47) Benzene	3.745	78	254594	22.7029	ug/L		98
48) TAME	3.806	73	170024	20.3535	ug/L		94
49) Isobutyl alcohol	3.842	43	104482m	329.6875	ug/L		
51) 1,2-Dichloroethane	3.861	62	95733	22.6466	ug/L		99
52) Tert Amyl Alcohol	3.903	59	135437	178.9991	ug/L		91
53) Trichloroethene	4.086	95	66611	21.8319	ug/L		95
54) Methylcyclohexane	4.086	83	101911	23.6609	ug/L		96
55) Dibromomethane	4.336	93	41531	21.7592	ug/L		99
56) 1,2-Dichloropropane	4.397	63	74680	23.2858	ug/L		97
57) Bromodichloromethane	4.428	83	74048	19.3125	ug/L		99
58) Methyl methacrylate	4.513	41	70412	21.5587	ug/L		97
59) 1,4-Dioxane	4.550	88	16788	290.8661	ug/L		93
60) 2-Chloroethyl vinyl ether	4.818	63	424	0.1575	ug/L	#	38
61) cis-1,3-Dichloropropene	4.818	75	94190	20.1451	ug/L		97
64) Toluene	4.976	91	257563	22.1019	ug/L		99
65) 2-Nitropropane	5.117	41	109580	93.4299	ug/L		98
66) 4-Methyl-2-pentanone	5.208	43	514136	110.7848	ug/L		98
67) trans-1,3-Dichloropropene	5.232	75	83413	19.1418	ug/L		96
68) Tetrachloroethene	5.226	166	56568	22.4532	ug/L		97
69) Ethyl methacrylate	5.330	69	83521	19.5787	ug/L		93
70) 1,1,2-Trichloroethane	5.342	83	52628	20.9688	ug/L		94
71) Dibromochloromethane	5.464	129	49719	18.9059	ug/L		99
72) 1,3-Dichloropropane	5.525	76	107110	22.8390	ug/L		95
73) 1,2-Dibromoethane	5.629	107	59494	20.5952	ug/L		99
74) 3,3-dimethyl-1-butanol	5.744	57	920648	1041.5811	ug/L		97
75) 2-hexanone	5.769	43	543010	110.8094	ug/L		98
76) 1-Chlorohexane	5.976	91	80372m	20.8282	ug/L		
77) Ethylbenzene	6.013	91	278597	22.0023	ug/L		99
78) Chlorobenzene	5.994	112	158217	21.4583	ug/L		97
79) 1,1,1,2-Tetrachloroethane	6.037	131	48742	19.6403	ug/L		97
80) m,p-Xylene	6.110	91	437633	43.4533	ug/L		99
81) o-Xylene	6.427	91	217644	20.7063	ug/L		99
82) Styrene	6.464	104	169046	21.2431	ug/L		98
83) Bromoform	6.482	173	26573	16.8196	ug/L		98
84) Isopropylbenzene	6.659	105	253795	21.5817	ug/L		99
87) cis-1,4-Dichloro-2-butene	6.915	53	26952	17.9032	ug/L		82
88) n-Propylbenzene	6.970	91	315115	22.3565	ug/L		97
89) Bromobenzene	6.952	156	58518	22.2122	ug/L		96
90) 1,1,2,2-Tetrachloroethane	7.019	83	96541	21.7260	ug/L		98
91) 1,3,5-Trimethylbenzene	7.122	105	218757	22.1630	ug/L		100
92) 2-Chlorotoluene	7.092	91	209947	21.7807	ug/L		99
93) trans-1,4-Dichloro-2-B...	7.159	53	22628	18.4669	ug/L	#	82
94) 1,2,3-Trichloropropane	7.128	110	29165	23.3060	ug/L		97
95) Cyclohexanone	7.159	55	23952	85.9596	ug/L		99
96) 4-Chlorotoluene	7.220	91	200741	21.9930	ug/L		99
97) tert-Butylbenzene	7.372	91	123315	22.4067	ug/L		99
99) 1,2,4-Trimethylbenzene	7.427	105	219463	22.1809	ug/L		99
100) Pentachloroethane	7.390	167	23827	18.2333	ug/L	#	85
101) sec-Butylbenzene	7.512	105	239137	21.0217	ug/L		99
102) 4-Isopropyltoluene	7.622	119	212510	22.1600	ug/L		99
103) 1,3-Dichlorobenzene	7.671	146	111463	21.1349	ug/L		96
104) 1,2,3-Trimethylbenzene	7.756	105	228776	22.4245	ug/L		100
105) 1,4-Dichlorobenzene	7.738	146	113640	21.3728	ug/L		98
106) n-Butylbenzene	7.933	92	118348	22.0595	ug/L		96
107) Benzyl Chloride	7.921	126	20768	13.8755	ug/L	#	59
108) 1,2-Dichlorobenzene	8.049	146	104517	21.0277	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\V1O2976\
Data File : 1O82646.d
Acq On : 14 Mar 2024 6:04 pm
Operator : jeniferw
Sample : FC14007-6MS Inst : MSVOA12
Misc : MS56094,V1O2976,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Mar 15 09:40:56 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\method\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration

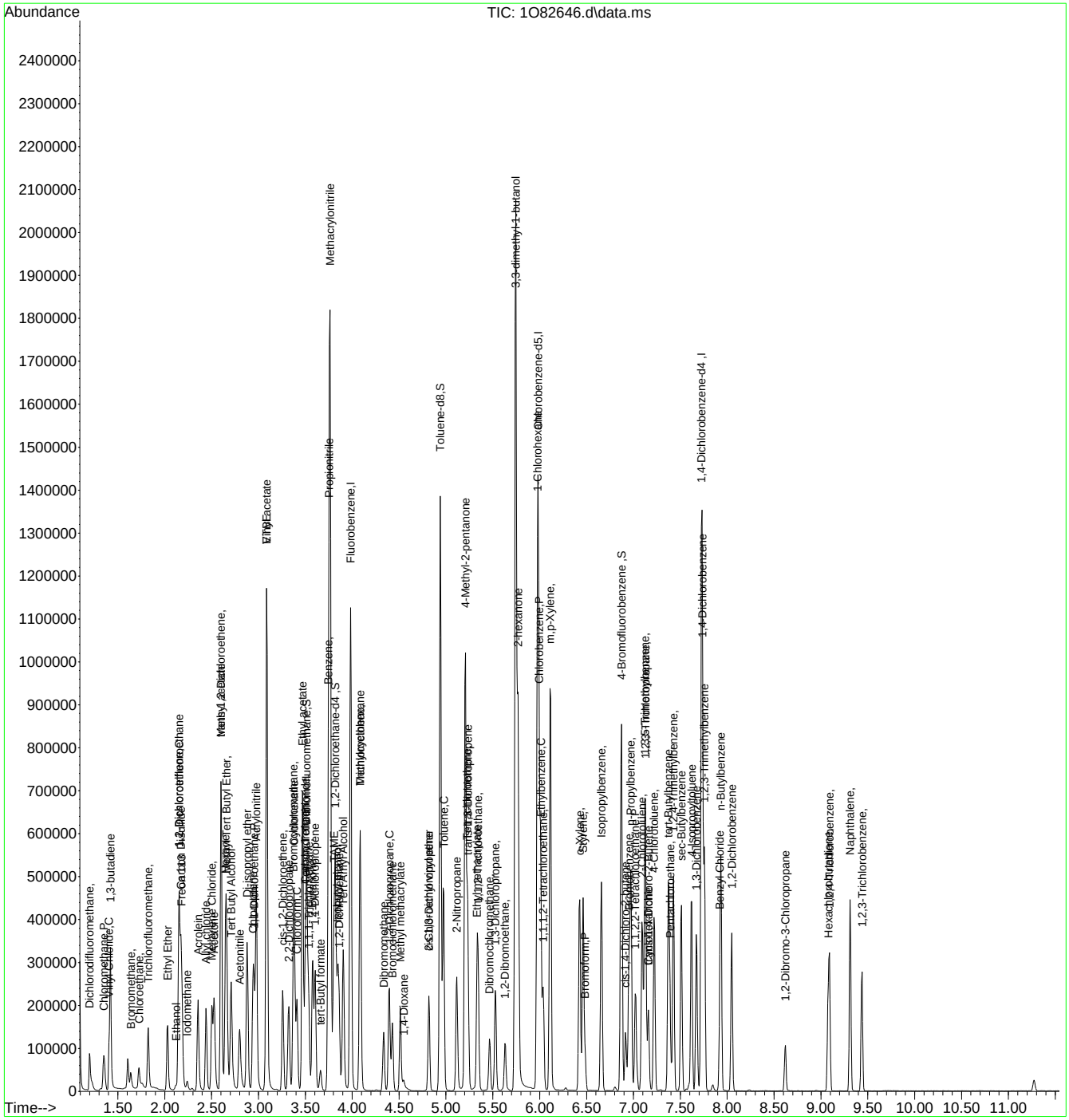
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
109) 1,2-Dibromo-3-Chloropr...	8.622	75	21286	19.8117	ug/L	91
110) Hexachlorobutadiene	9.079	225	22332	21.4282	ug/L	95
111) 1,2,4-Trichlorobenzene	9.091	180	61386	20.0815	ug/L	96
112) Naphthalene	9.311	128	238341	18.6475	ug/L	99
113) 1,2,3-Trichlorobenzene	9.439	180	57041	19.9952	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\V1O2976\
Data File : 1O82646.d
Acq On : 14 Mar 2024 6:04 pm
Operator : jeniferw
Sample : FC14007-6MS Inst : MSVOA12
Misc : MS56094,V1O2976,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Mar 15 09:40:56 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\method\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration



Manual Integration Approval Summary

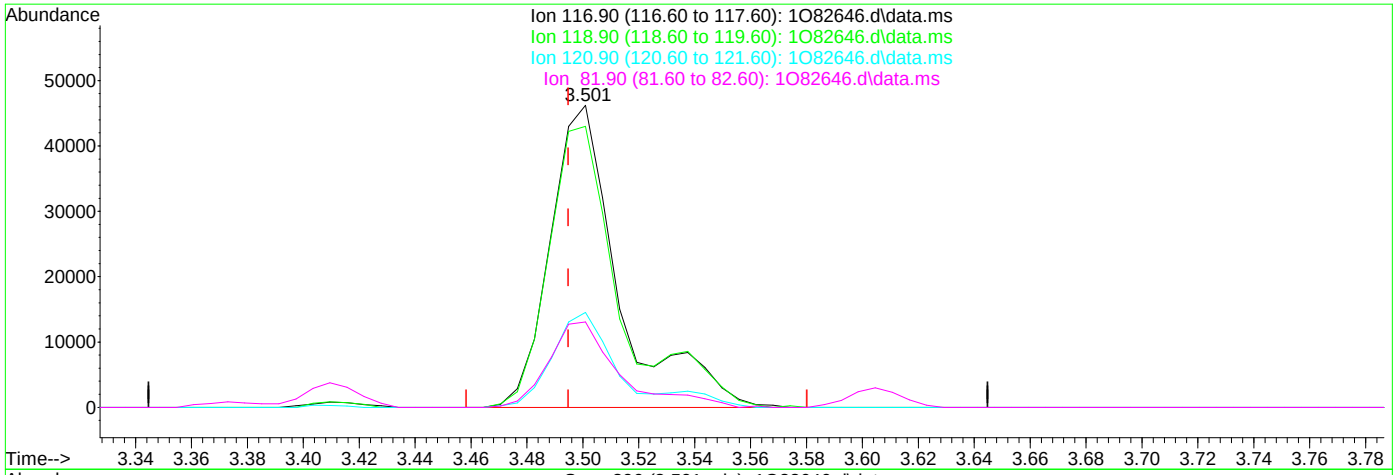
Sample Number: FC14007-6MS
Lab FileID: 1O82646.D
Injection Time: 03/14/24 18:04
Method: SW846 8260D
Analyst approved: 03/15/24 06:09 Lotus Acosta
Supervisor approved: 03/15/24 12:53 Karen Watson

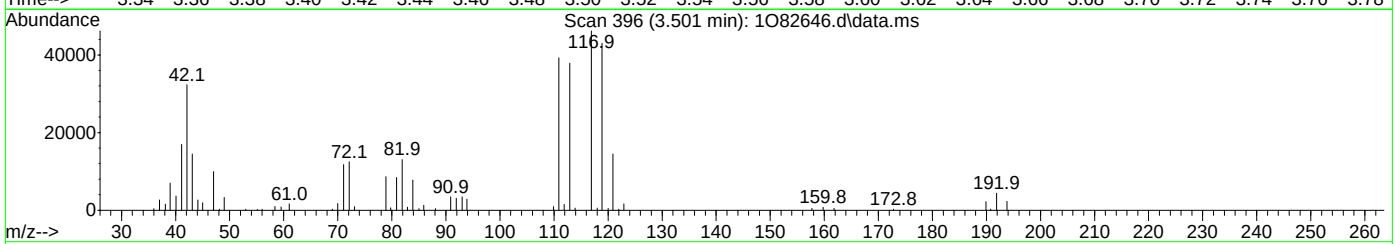
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.50	Overlapping peak
Isobutyl Alcohol	78-83-1		3.84	Overlapping peak
1-Chlorohexane	544-10-5		5.98	Overlapping peak

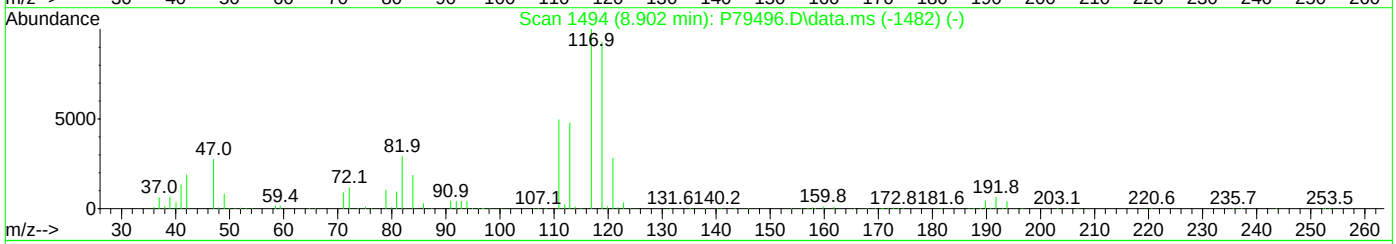
Quantitation Report (Qedit)

Data Path : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\V1O2976\
Data File : 1O82646.d
Acq On : 14 Mar 2024 6:04 pm
Operator : jeniferw
Sample : FC14007-6MS Inst : MSVOA12
Misc : MS56094,V1O2976,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Mar 15 08:31:40 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\method\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration







TIC: 1O82646.d\data.ms

(40) Carbon Tetrachloride ( )

3.501min (+0.006) 24.11ug/L

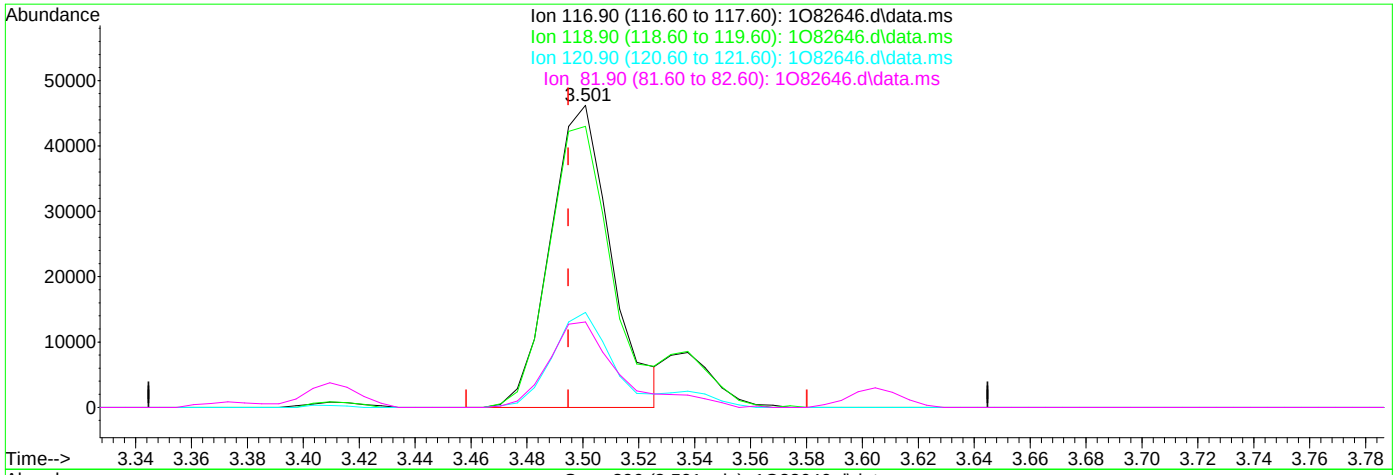
response 79560

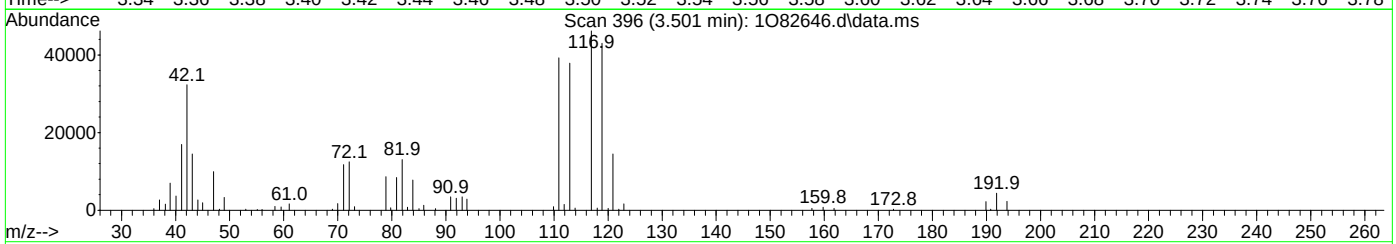
Ion	Exp%	Act%
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118.90	93.10	93.06
120.90	29.70	31.38
81.90	25.40	28.29

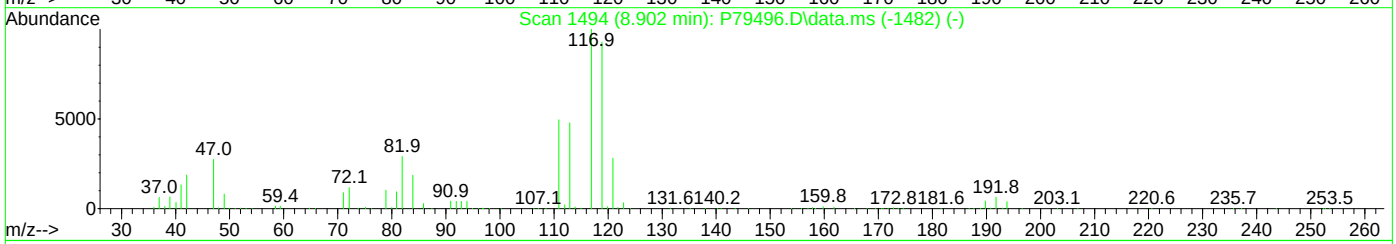
Quantitation Report (Qedit)

Data Path : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\V1O2976\
Data File : 1O82646.d
Acq On : 14 Mar 2024 6:04 pm
Operator : jeniferw
Sample : FC14007-6MS Inst : MSVOA12
Misc : MS56094,V1O2976,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Mar 15 08:31:40 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\method\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration







TIC: 1O82646.d\data.ms

(40) Carbon Tetrachloride ( )

3.501min (+0.006) 21.07ug/L m

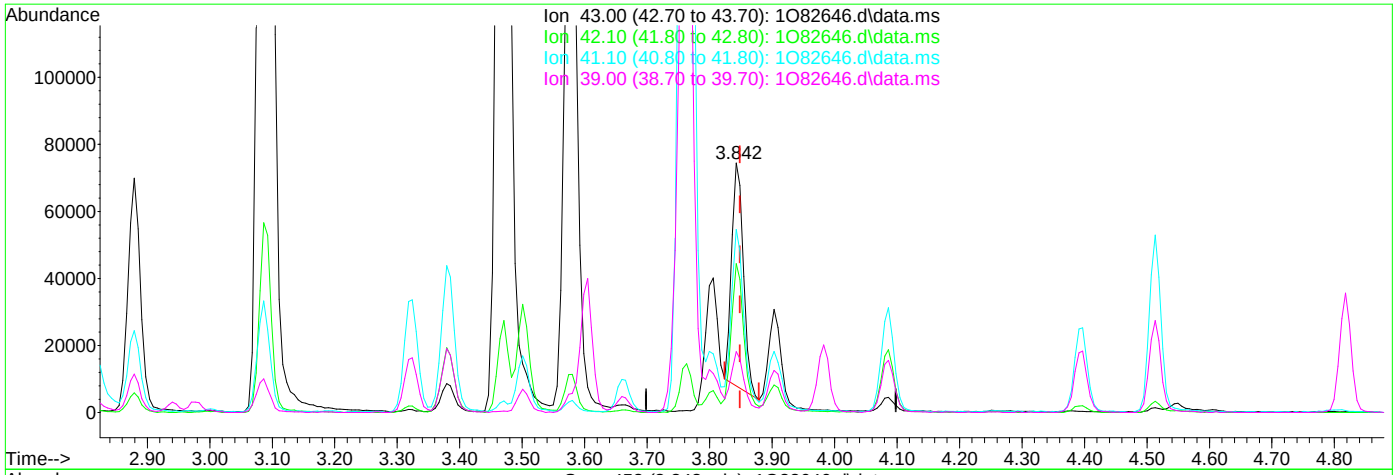
response 69533

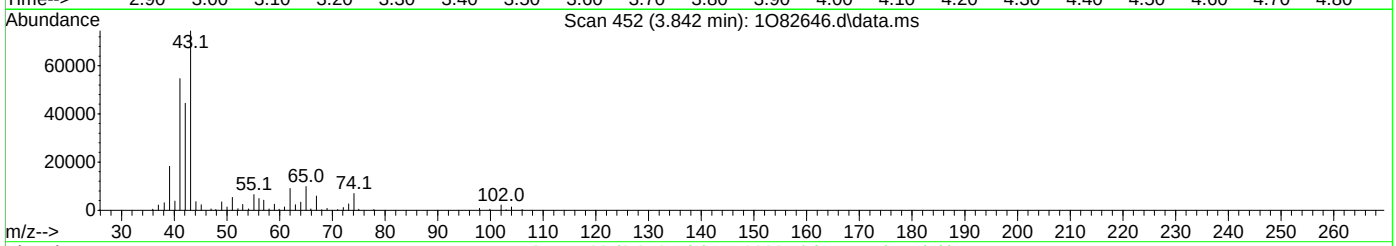
Ion	Exp%	Act%
116.90	100	100
118.90	93.10	93.06
120.90	29.70	31.38
81.90	25.40	28.29

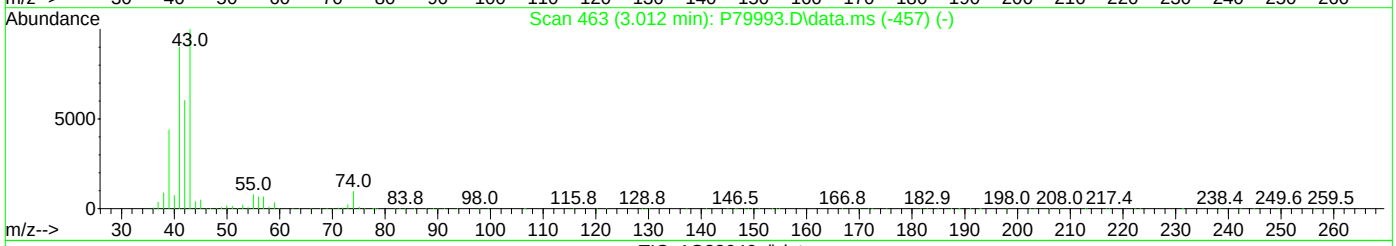
Quantitation Report (Qedit)

Data Path : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\V1O2976\
Data File : 1O82646.d
Acq On : 14 Mar 2024 6:04 pm
Operator : jeniferw
Sample : FC14007-6MS Inst : MSVOA12
Misc : MS56094,V1O2976,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Mar 15 08:31:40 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\method\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration







TIC: 1O82646.d\data.ms

(49) Isobutyl alcohol

3.842min (-0.006) 270.20ug/L

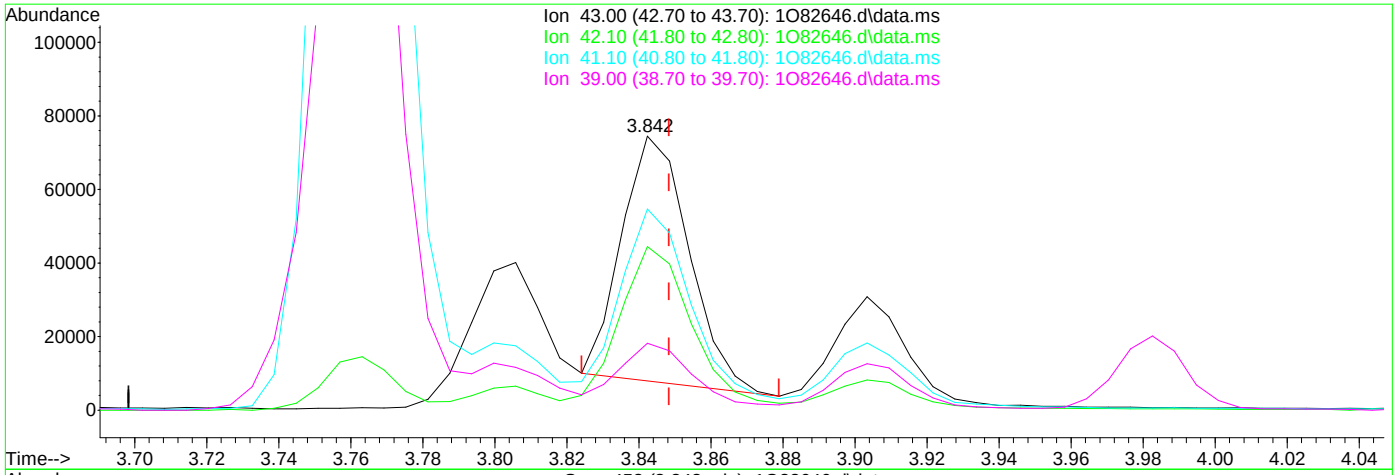
response 85630

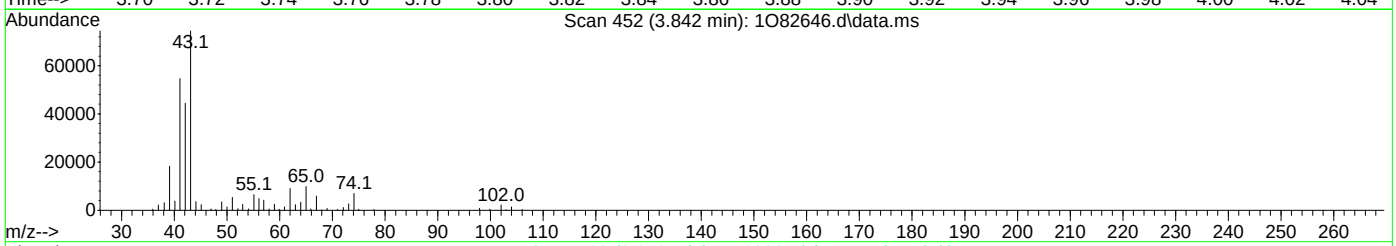
Ion	Exp%	Act%
43.00	100	100
42.10	60.00	60.23
41.10	68.80	72.97
39.00	22.50	23.74

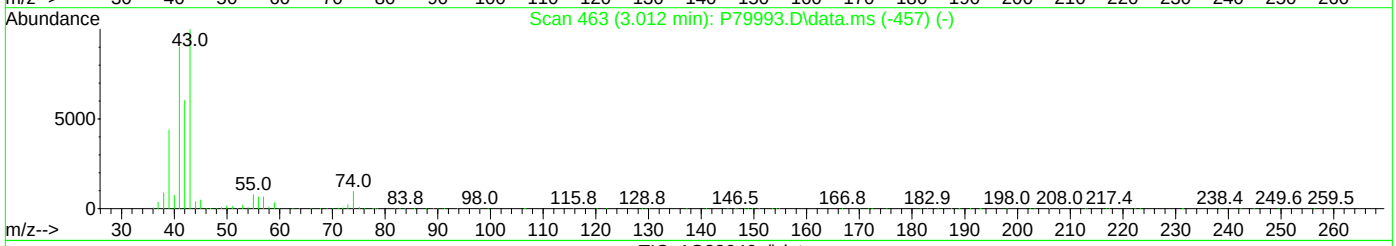
Quantitation Report (Qedit)

Data Path : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\V1O2976\
Data File : 1O82646.d
Acq On : 14 Mar 2024 6:04 pm
Operator : jeniferw
Sample : FC14007-6MS Inst : MSVOA12
Misc : MS56094,V1O2976,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Mar 15 08:31:40 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\method\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration







TIC: 1O82646.d\data.ms

(49) Isobutyl alcohol

3.842min (-0.006) 270.20ug/L

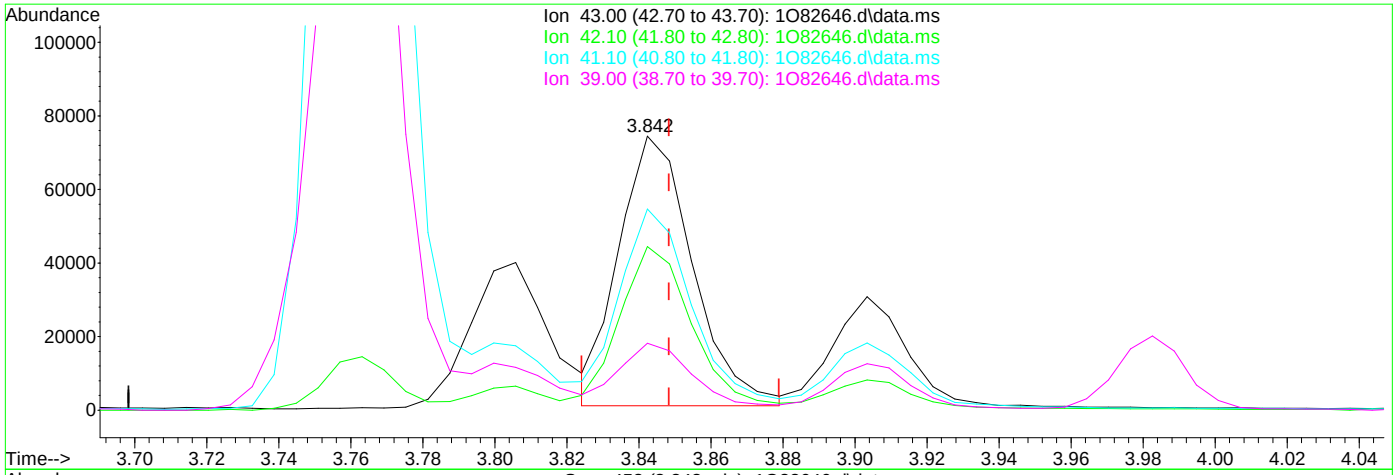
response 85630

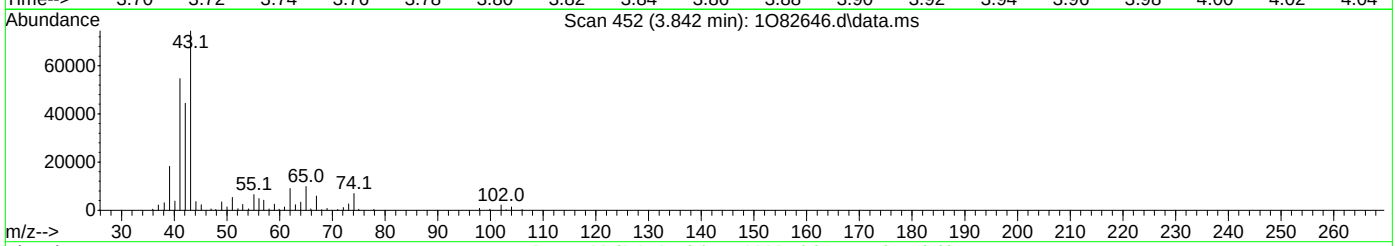
Ion	Exp%	Act%
43.00	100	100
42.10	60.00	60.23
41.10	68.80	72.97
39.00	22.50	23.74

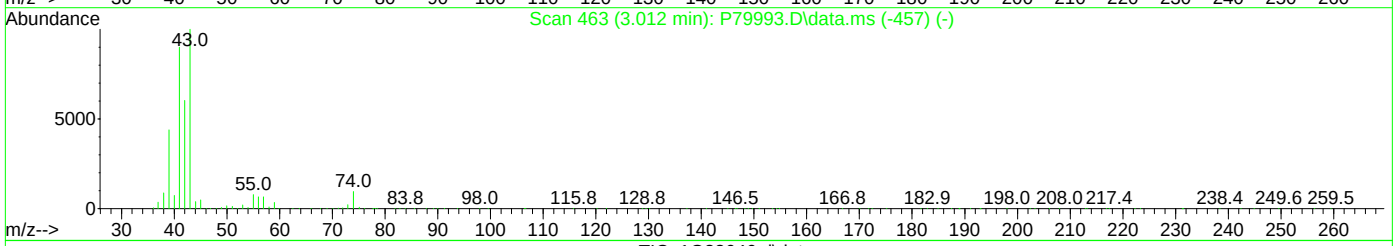
Quantitation Report (Qedit)

Data Path : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\V1O2976\
Data File : 1O82646.d
Acq On : 14 Mar 2024 6:04 pm
Operator : jeniferw
Sample : FC14007-6MS Inst : MSVOA12
Misc : MS56094,V1O2976,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Mar 15 08:31:40 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\method\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration







TIC: 1O82646.d\data.ms

(49) Isobutyl alcohol

3.842min (-0.006) 329.69ug/L m

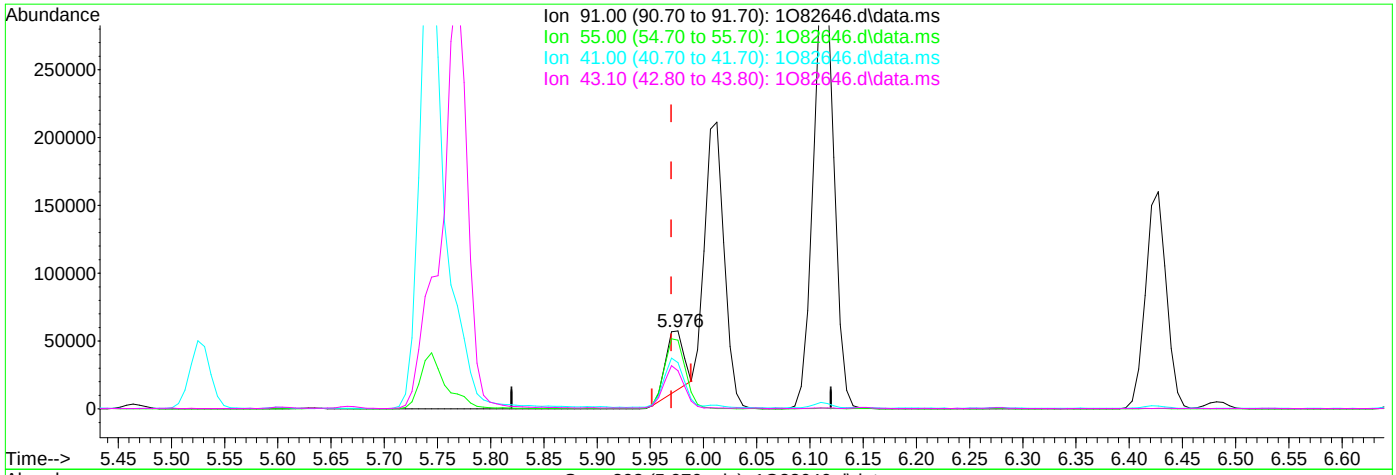
response 104482

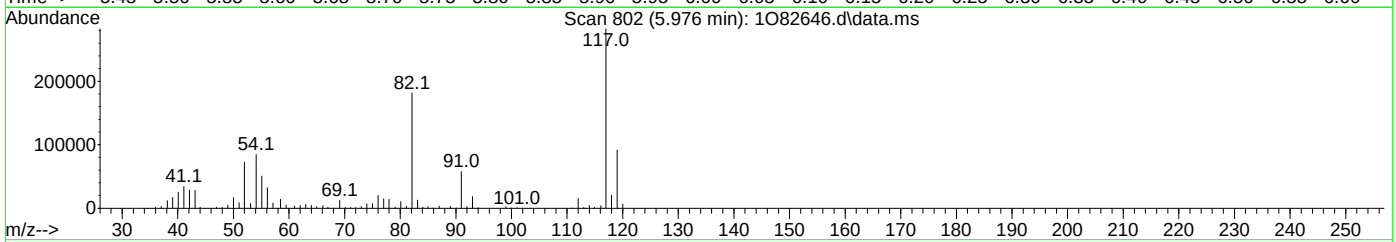
Ion	Exp%	Act%
43.00	100	100
42.10	60.00	59.68
41.10	68.80	73.39
39.00	22.50	24.42

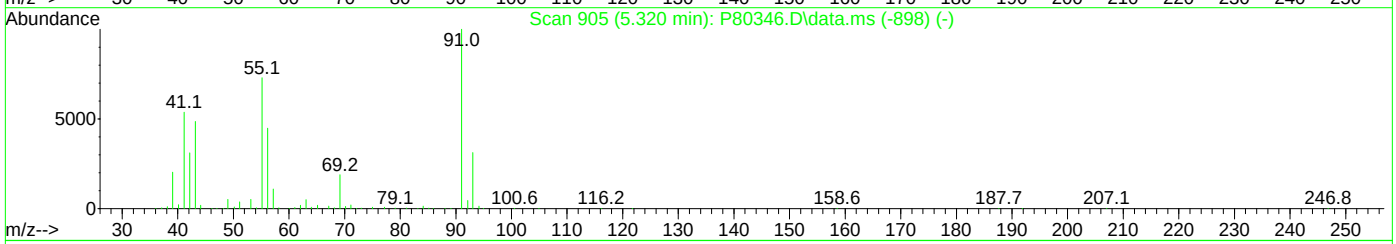
Quantitation Report (Qedit)

Data Path : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\V1O2976\
Data File : 1O82646.d
Acq On : 14 Mar 2024 6:04 pm
Operator : jeniferw
Sample : FC14007-6MS Inst : MSVOA12
Misc : MS56094,V1O2976,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Mar 15 08:31:40 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\method\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration







TIC: 1O82646.d\data.ms

(76) 1-Chlorohexane

5.976min (+0.006) 14.27ug/L

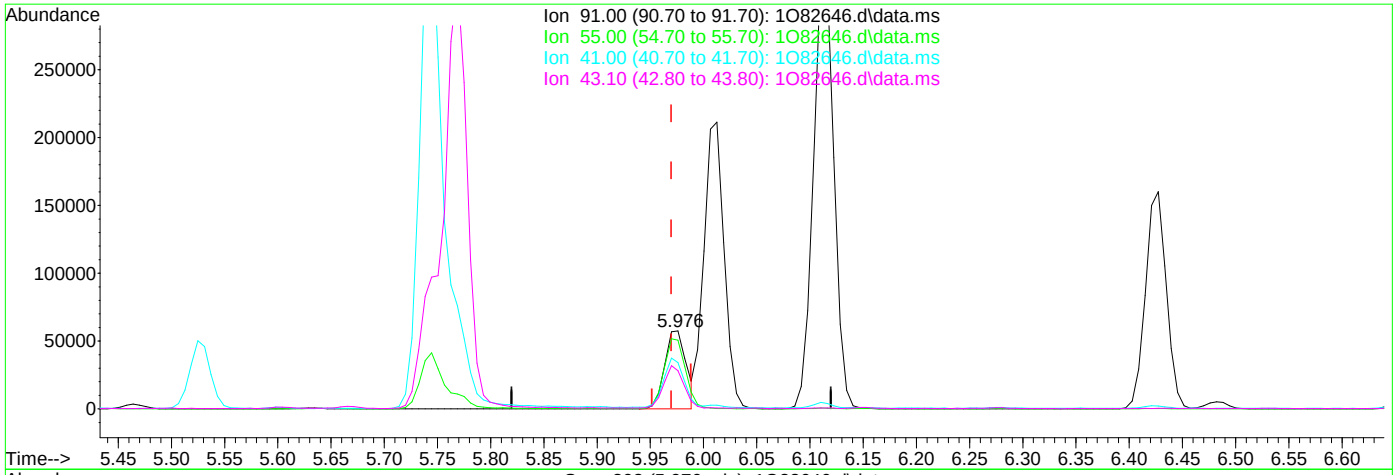
response 55062

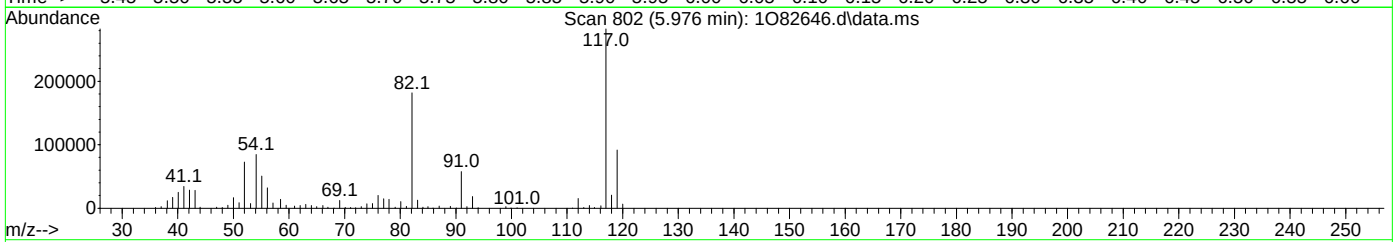
Ion	Exp%	Act%
91.00	100	100
55.00	82.50	86.89
41.00	56.60	55.98
43.10	48.60	46.89

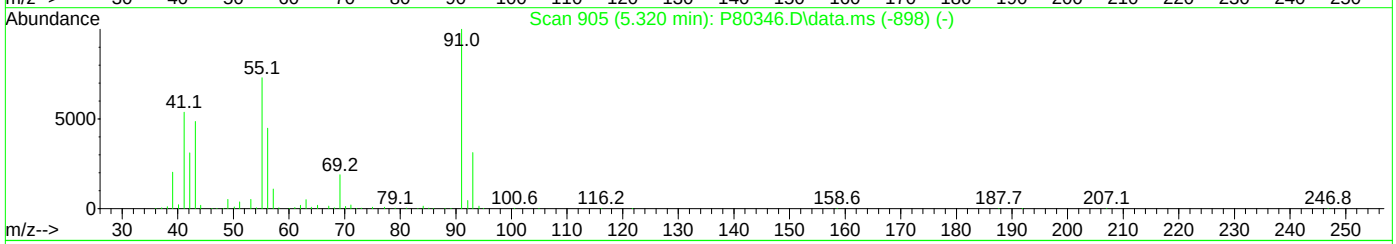
Quantitation Report (Qedit)

Data Path : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\V1O2976\
Data File : 1O82646.d
Acq On : 14 Mar 2024 6:04 pm
Operator : jeniferw
Sample : FC14007-6MS Inst : MSVOA12
Misc : MS56094,V1O2976,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Mar 15 08:31:40 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\method\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration







TIC: 1O82646.d\data.ms

(76) 1-Chlorohexane

5.976min (+0.006) 20.83ug/L m

response 80372

Ion	Exp%	Act%
91.00	100	100
55.00	82.50	88.04
41.00	56.60	59.23
43.10	48.60	48.89

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson 03/15/24 12:53

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\V1O2976\
Data File : 1O82647.d
Acq On : 14 Mar 2024 6:30 pm
Operator : jeniferw
Sample : FC14007-6MSD Inst : MSVOA12
Misc : MS56094,V1O2976,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Mar 15 09:43:30 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\method\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.982	96	655016	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.982	117	441966	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.726	152	228970	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.513	113	167355	50.17	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.34%			
50) 1,2-Dichloroethane-d4	3.824	65	219186	51.74	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 103.48%			
63) Toluene-d8	4.940	98	651507	50.26	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.52%			
86) 4-Bromofluorobenzene	6.872	174	163657	50.30	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.60%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.203	85	87425	38.4828	ug/L	99
3) Chloromethane	1.355	50	93172	31.8411	ug/L	99
4) 1,3-butadiene	1.422	39	77745	29.3244	ug/L	96
5) Vinyl Chloride	1.410	62	97202	31.0240	ug/L	98
6) Bromomethane	1.641	94	19951	25.7076	ug/L	98
7) Chloroethane	1.727	64	35995	58.7274	ug/L	97
8) Trichlorofluoromethane	1.824	101	98334	30.4606	ug/L	99
9) Ethyl Ether	2.032	59	70481	26.0994	ug/L	96
10) Ethanol	2.129	45	33317	505.3476	ug/L	94
11) 1,2-Dichlorotrifluoroe...	2.154	67	94026	29.0716	ug/L	95
12) 1,1-Dichloroethene	2.154	61	119376	28.0489	ug/L	96
13) Freon 113	2.184	101	70440	30.1084	ug/L	99
14) Carbon Disulfide	2.172	76	215665	25.3490	ug/L	97
15) Iodomethane	2.245	142	25875	29.2607	ug/L	96
16) Acrolein	2.355	56	133161	130.3949	ug/L	98
17) Allyl chloride	2.440	41	99032	25.0979	ug/L	95
18) Methylene Chloride	2.507	49	103491	28.1364	ug/L	94
19) Acetone	2.532	43	189483	129.0368	ug/L	98
20) Methyl acetate	2.605	43	435665	117.6002	ug/L	99
21) trans-1,2-Dichloroethene	2.599	61	117344	27.2785	ug/L	93
22) Hexane	2.653	56	63850	27.1748	ug/L	97
23) Methyl Tert Butyl Ether	2.666	73	204871	24.3705	ug/L	99
24) Tert Butyl Alcohol	2.708	59	265213	301.3870	ug/L	91
25) Acetonitrile	2.800	41	155186	280.5447	ug/L	98
26) Di-isopropyl ether	2.879	45	238876	25.9498	ug/L	96
27) Chloroprene	2.940	53	105763	23.8445	ug/L	96
28) 1,1-Dichloroethane	2.958	63	139826	25.3677	ug/L	99
29) Acrylonitrile	2.977	52	224478	136.0646	ug/L	99
30) ETBE	3.086	59	246078	25.6171	ug/L	98
31) Vinyl acetate	3.092	43	902298	137.7481	ug/L	99
32) cis-1,2-Dichloroethene	3.263	96	70463	23.6073	ug/L	99
33) 2,2-Dichloropropane	3.324	77	94317	23.9855	ug/L	99
34) Bromochloromethane	3.373	128	32411	23.9280	ug/L	89
35) Cyclohexane	3.385	56	146523	28.1031	ug/L	96
36) Chloroform	3.409	83	128517	25.0143	ug/L	97
37) Ethyl acetate	3.470	43	583802	127.3622	ug/L	98
38) Tetrahydrofuran	3.501	42	48908	26.7157	ug/L	97
40) Carbon Tetrachloride	3.501	117	75731m	23.6159	ug/L	
41) 1,1,1-Trichloroethane	3.537	97	103537	25.4334	ug/L	96
42) 2-Butanone	3.580	43	304789	115.7411	ug/L	99
43) 1,1-Dichloropropene	3.604	75	99812	27.3598	ug/L	97
44) tert-Butyl formate	3.665	59	7613	2.9390	ug/L	89

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\V1O2976\
Data File : 1O82647.d
Acq On : 14 Mar 2024 6:30 pm
Operator : jeniferw
Sample : FC14007-6MSD Inst : MSVOA12
Misc : MS56094,V1O2976,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Mar 15 09:43:30 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\method\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Propionitrile	3.751	54	227060	258.8076	ug/L		94
46) Methacrylonitrile	3.763	41	679959	266.4699	ug/L		100
47) Benzene	3.745	78	281664	25.8437	ug/L		99
48) TAME	3.806	73	189193	23.3036	ug/L		94
49) Isobutyl alcohol	3.842	43	136043m	441.6991	ug/L		
51) 1,2-Dichloroethane	3.861	62	105551	25.6917	ug/L		98
52) Tert Amyl Alcohol	3.903	59	167361	227.5920	ug/L		93
53) Trichloroethene	4.086	95	72747	24.5330	ug/L		97
54) Methylcyclohexane	4.086	83	111509	26.6385	ug/L		95
55) Dibromomethane	4.336	93	44529	24.0051	ug/L		97
56) 1,2-Dichloropropane	4.397	63	82551	26.4849	ug/L		94
57) Bromodichloromethane	4.428	83	82221	22.0647	ug/L		98
58) Methyl methacrylate	4.513	41	79866	25.1609	ug/L		96
59) 1,4-Dioxane	4.549	88	25047	446.5181	ug/L		96
60) 2-Chloroethyl vinyl ether	4.818	63	476	0.1819	ug/L	#	52
61) cis-1,3-Dichloropropene	4.818	75	102986	22.6638	ug/L		96
64) Toluene	4.976	91	280160	24.7759	ug/L		99
65) 2-Nitropropane	5.116	41	124140	109.0799	ug/L		98
66) 4-Methyl-2-pentanone	5.208	43	579111	128.6004	ug/L		98
67) trans-1,3-Dichloropropene	5.232	75	91856	21.7238	ug/L		95
68) Tetrachloroethene	5.226	166	60821	24.8794	ug/L		98
69) Ethyl methacrylate	5.330	69	95681	23.1150	ug/L		96
70) 1,1,2-Trichloroethane	5.342	83	57453	23.5911	ug/L		96
71) Dibromochloromethane	5.464	129	55744	21.8450	ug/L		98
72) 1,3-Dichloropropane	5.531	76	118437	26.0264	ug/L		99
73) 1,2-Dibromoethane	5.628	107	66436	23.7014	ug/L		94
74) 3,3-dimethyl-1-butanol	5.744	57	1042749	1215.7878	ug/L		97
75) 2-hexanone	5.769	43	610625	128.4169	ug/L		97
76) 1-Chlorohexane	5.970	91	87344m	23.3270	ug/L		
77) Ethylbenzene	6.013	91	303864	24.7314	ug/L		99
78) Chlorobenzene	5.994	112	171477	23.9677	ug/L		97
79) 1,1,1,2-Tetrachloroethane	6.037	131	53562	22.2424	ug/L		96
80) m,p-Xylene	6.116	91	475348	48.6410	ug/L		99
81) o-Xylene	6.427	91	237270	23.2636	ug/L		100
82) Styrene	6.464	104	183464	23.7598	ug/L		98
83) Bromoform	6.482	173	29897	19.5021	ug/L		98
84) Isopropylbenzene	6.659	105	275053	24.1045	ug/L		99
87) cis-1,4-Dichloro-2-butene	6.915	53	32151	22.0644	ug/L	#	80
88) n-Propylbenzene	6.970	91	338826	24.8354	ug/L		97
89) Bromobenzene	6.951	156	64967	25.4774	ug/L		96
90) 1,1,2,2-Tetrachloroethane	7.018	83	106708	24.8099	ug/L		99
91) 1,3,5-Trimethylbenzene	7.122	105	237882	24.8994	ug/L		100
92) 2-Chlorotoluene	7.092	91	229550	24.6036	ug/L		100
93) trans-1,4-Dichloro-2-B...	7.159	53	24783	20.8959	ug/L		85
94) 1,2,3-Trichloropropane	7.128	110	31090	25.6677	ug/L		94
95) Cyclohexanone	7.159	55	31100	115.3114	ug/L		97
96) 4-Chlorotoluene	7.220	91	214769	24.3097	ug/L		99
97) tert-Butylbenzene	7.372	91	133800	25.1175	ug/L		99
99) 1,2,4-Trimethylbenzene	7.427	105	242091	25.2787	ug/L		99
100) Pentachloroethane	7.390	167	27937	22.0869	ug/L		90
101) sec-Butylbenzene	7.512	105	265509	24.1135	ug/L		99
102) 4-Isopropyltoluene	7.622	119	230420	24.8239	ug/L		99
103) 1,3-Dichlorobenzene	7.671	146	121260	23.7546	ug/L		97
104) 1,2,3-Trimethylbenzene	7.756	105	251529	25.4718	ug/L		99
105) 1,4-Dichlorobenzene	7.738	146	123415	23.9805	ug/L		97
106) n-Butylbenzene	7.933	92	130239	25.0804	ug/L		92
107) Benzyl Chloride	7.921	126	23350	16.0848	ug/L	#	67
108) 1,2-Dichlorobenzene	8.049	146	114475	23.7944	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\V1O2976\
Data File : 1O82647.d
Acq On : 14 Mar 2024 6:30 pm
Operator : jeniferw
Sample : FC14007-6MSD Inst : MSVOA12
Misc : MS56094,V1O2976,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Mar 15 09:43:30 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\method\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration

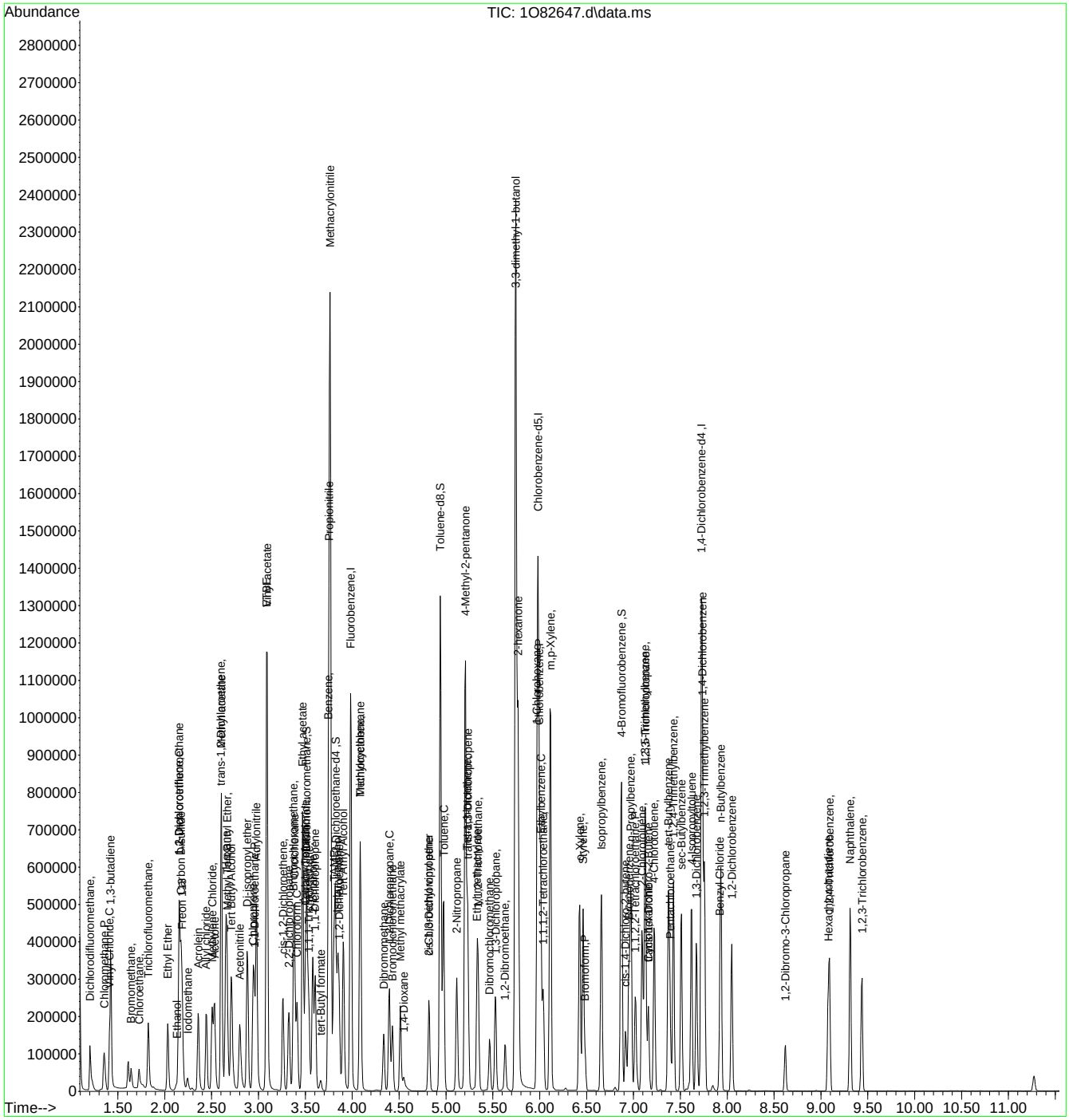
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
109) 1,2-Dibromo-3-Chloropr...	8.622	75	24083	23.1578	ug/L	90
110) Hexachlorobutadiene	9.079	225	25658	25.4355	ug/L	96
111) 1,2,4-Trichlorobenzene	9.091	180	68312	23.0878	ug/L	99
112) Naphthalene	9.311	128	266644	21.5532	ug/L	99
113) 1,2,3-Trichlorobenzene	9.439	180	63058	22.8369	ug/L	97

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

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\V1O2976\
Data File : 1O82647.d
Acq On : 14 Mar 2024 6:30 pm
Operator : jeniferw
Sample : FC14007-6MSD Inst : MSVOA12
Misc : MS56094,V1O2976,,,,,
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Quant Time: Mar 15 09:43:30 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\method\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration



Manual Integration Approval Summary

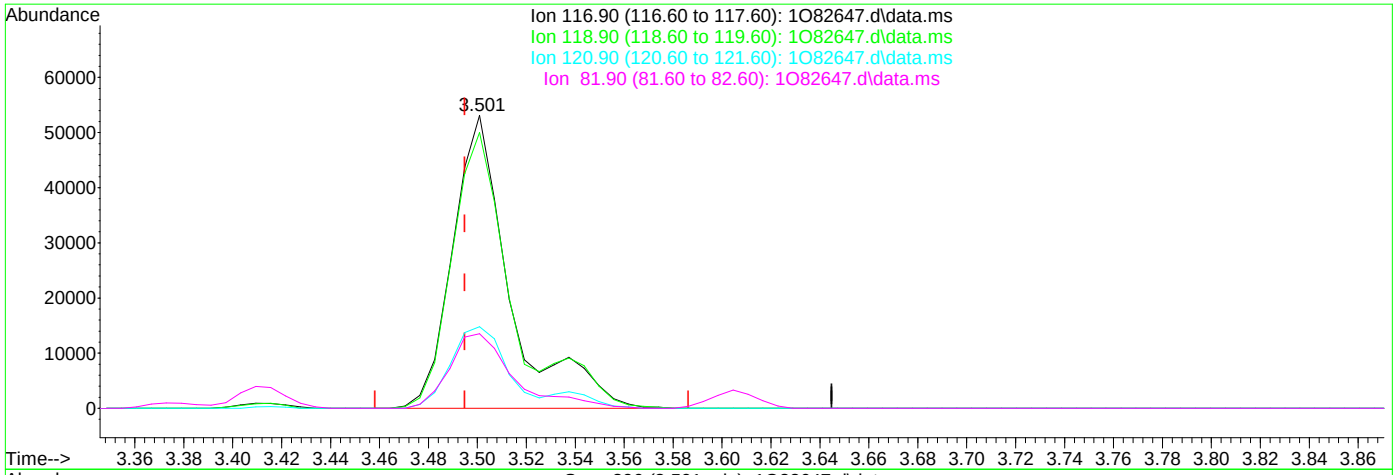
Sample Number: FC14007-6MSD
Lab FileID: 1O82647.D
Injection Time: 03/14/24 18:30
Method: SW846 8260D
Analyst approved: 03/15/24 06:09 Lotus Acosta
Supervisor approved: 03/15/24 12:53 Karen Watson

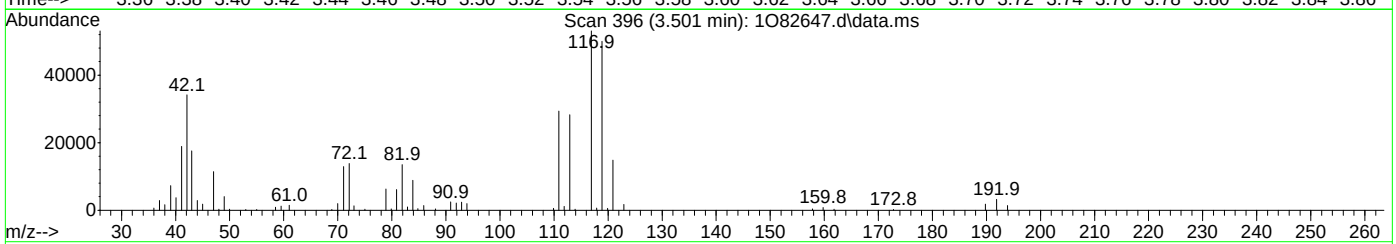
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.50	Overlapping peak
Isobutyl Alcohol	78-83-1		3.84	Overlapping peak
1-Chlorohexane	544-10-5		5.97	Overlapping peak

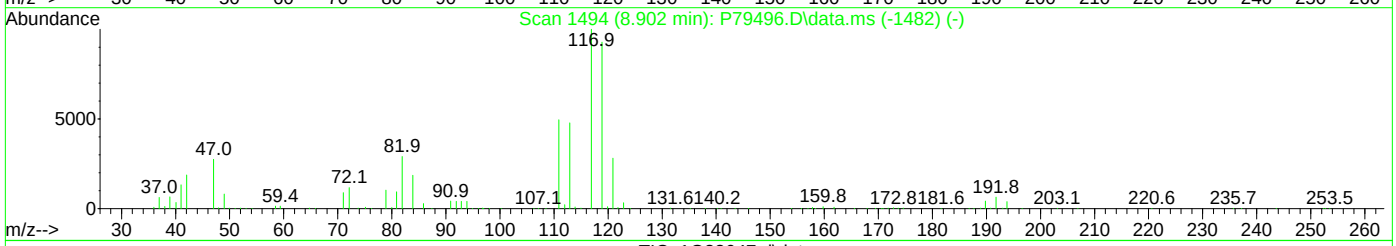
Quantitation Report (Qedit)

Data Path : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\V1O2976\
Data File : 1O82647.d
Acq On : 14 Mar 2024 6:30 pm
Operator : jeniferw
Sample : FC14007-6MSD Inst : MSVOA12
Misc : MS56094,V1O2976,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Mar 15 08:31:49 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\method\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration







TIC: 1O82647.d\data.ms

(40) Carbon Tetrachloride ( )

3.501min (+0.006) 27.21ug/L

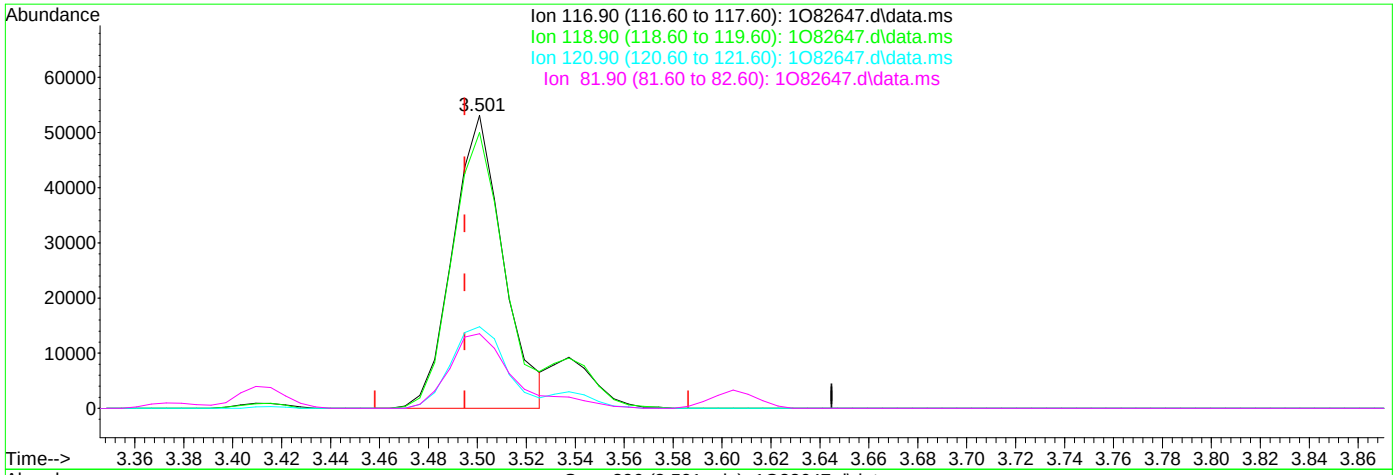
response 87250

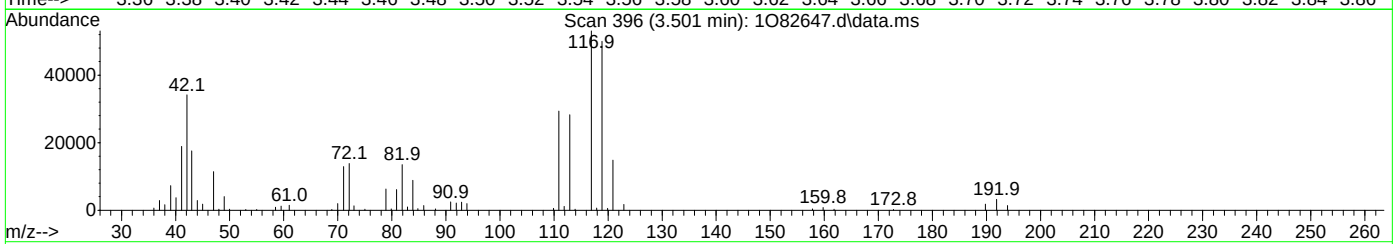
Ion	Exp%	Act%
116.90	100	100
118.90	93.10	94.16
120.90	29.70	27.85
81.90	25.40	25.42

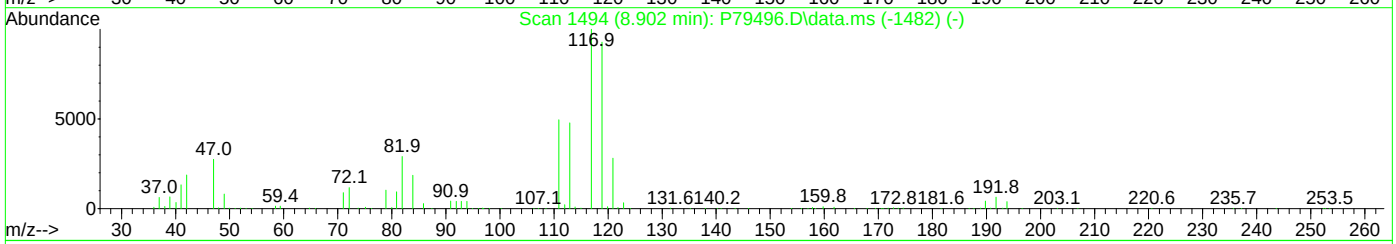
Quantitation Report (Qedit)

Data Path : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\V1O2976\
Data File : 1O82647.d
Acq On : 14 Mar 2024 6:30 pm
Operator : jeniferw
Sample : FC14007-6MSD Inst : MSVOA12
Misc : MS56094,V1O2976,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Mar 15 08:31:49 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\method\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration







TIC: 1O82647.d\data.ms

(40) Carbon Tetrachloride ( )

3.501min (+0.006) 23.62ug/L m

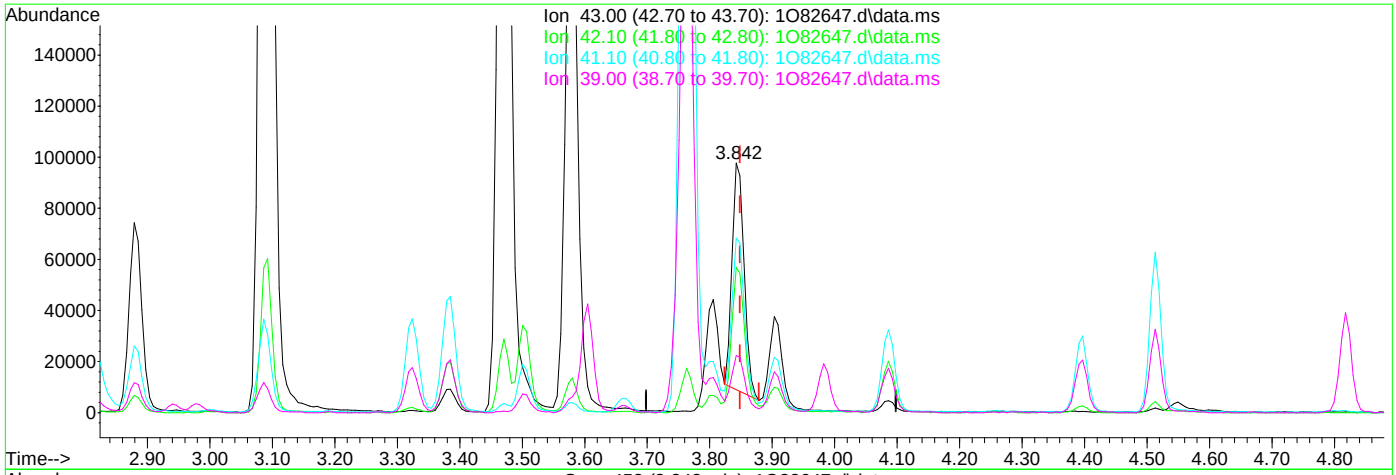
response 75731

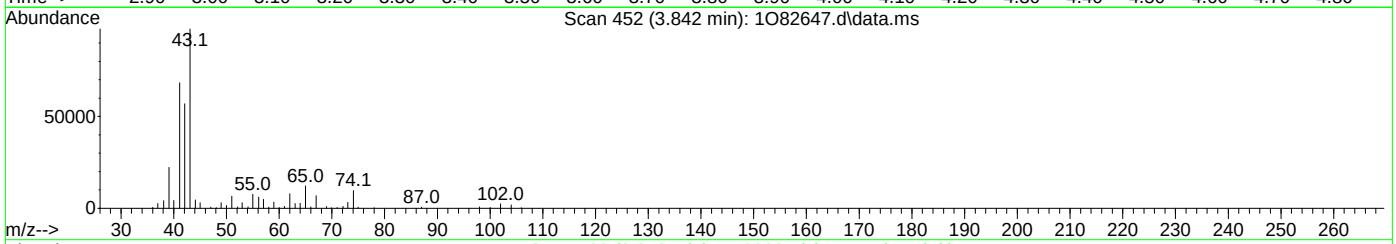
Ion	Exp%	Act%
116.90	100	100
118.90	93.10	94.16
120.90	29.70	27.85
81.90	25.40	25.42

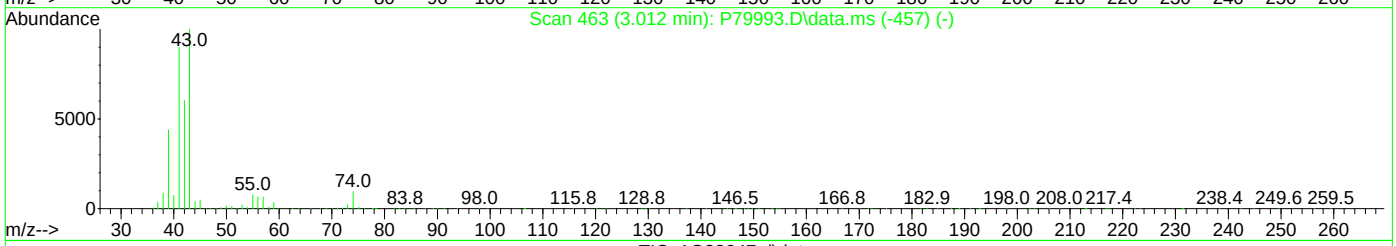
Quantitation Report (Qedit)

Data Path : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\V1O2976\
Data File : 1O82647.d
Acq On : 14 Mar 2024 6:30 pm
Operator : jeniferw
Sample : FC14007-6MSD Inst : MSVOA12
Misc : MS56094,V1O2976,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Mar 15 08:31:49 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\method\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration







TIC: 1O82647.d\data.ms

(49) Isobutyl alcohol

3.842min (-0.006) 383.10ug/L

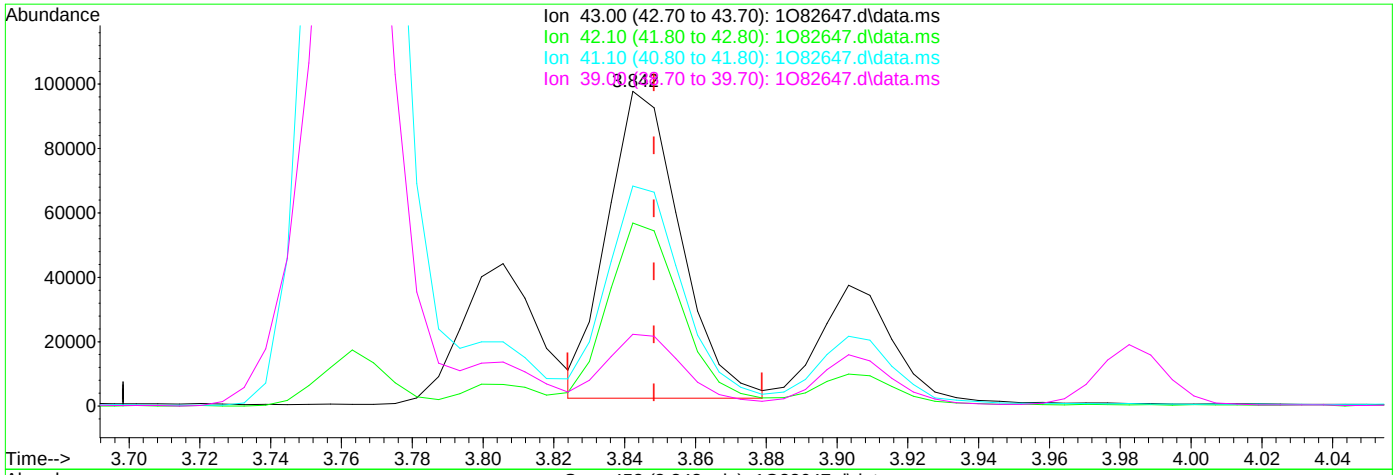
response 117995

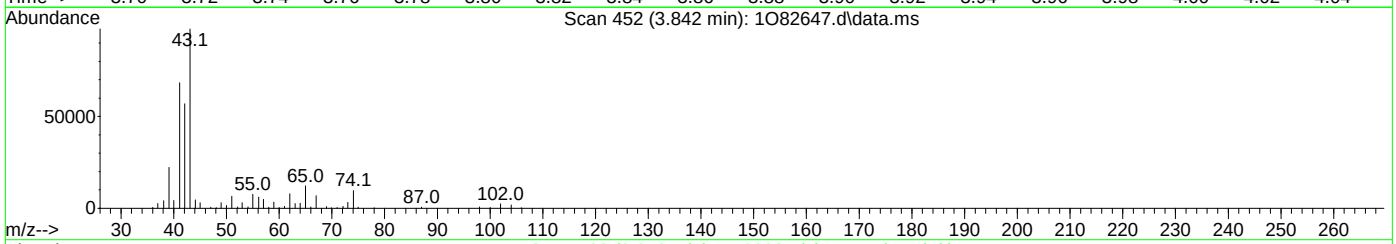
Ion	Exp%	Act%
43.00	100	100
42.10	60.00	58.49
41.10	68.80	69.54
39.00	22.50	22.39

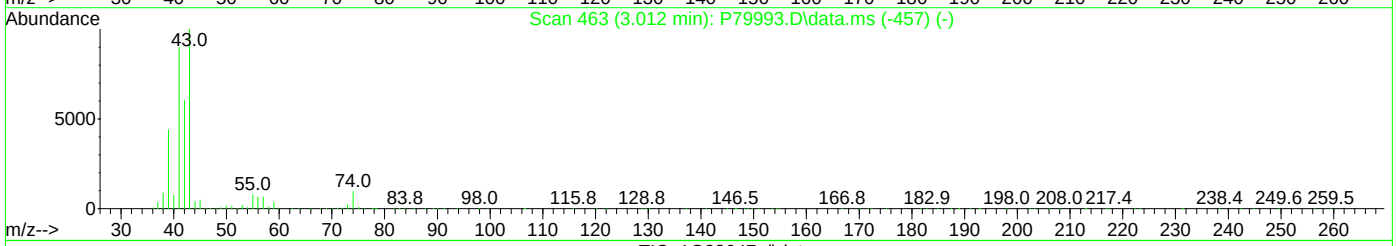
Quantitation Report (Qedit)

Data Path : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\V1O2976\
Data File : 1O82647.d
Acq On : 14 Mar 2024 6:30 pm
Operator : jeniferw
Sample : FC14007-6MSD Inst : MSVOA12
Misc : MS56094,V1O2976,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Mar 15 08:31:49 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\method\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration







TIC: 1O82647.d\data.ms

(49) Isobutyl alcohol

3.842min (-0.006) 441.70ug/L m

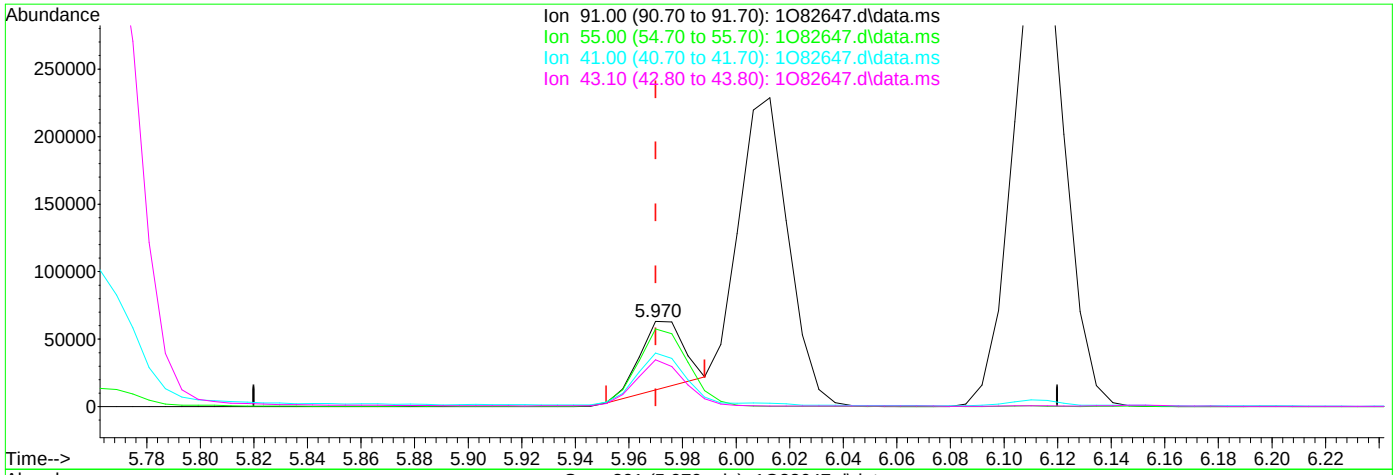
response 136043

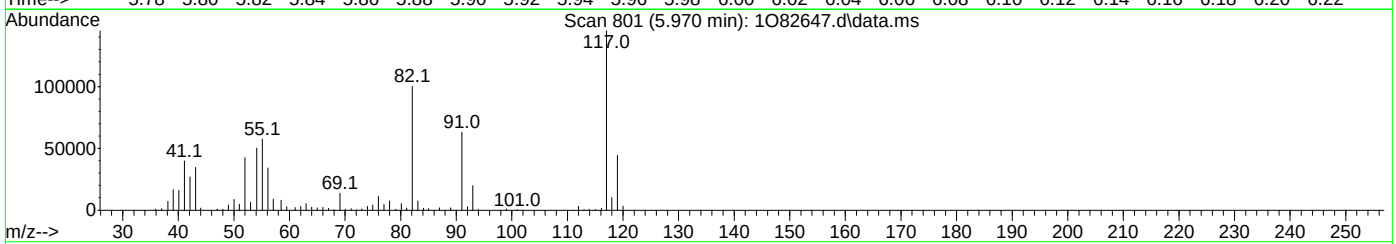
Ion	Exp%	Act%
43.00	100	100
42.10	60.00	58.19
41.10	68.80	69.89
39.00	22.50	22.81

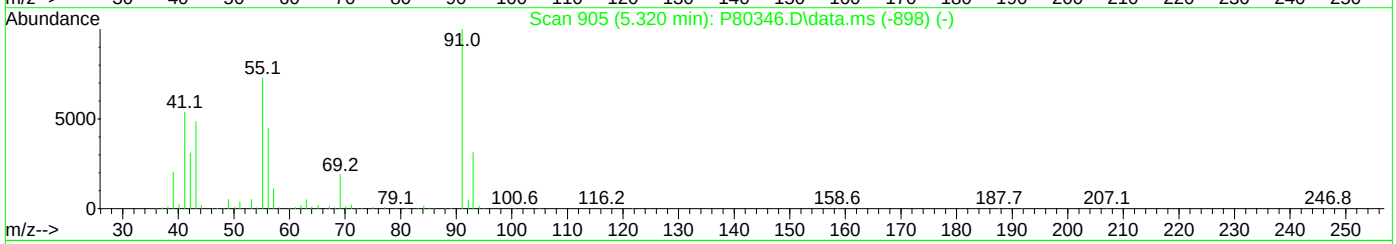
Quantitation Report (Qedit)

Data Path : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\V1O2976\
Data File : 1O82647.d
Acq On : 14 Mar 2024 6:30 pm
Operator : jeniferw
Sample : FC14007-6MSD Inst : MSVOA12
Misc : MS56094,V1O2976,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Mar 15 08:31:49 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\method\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration







TIC: 1O82647.d\data.ms

(76) 1-Chlorohexane

5.970min (+0.000) 16.02ug/L

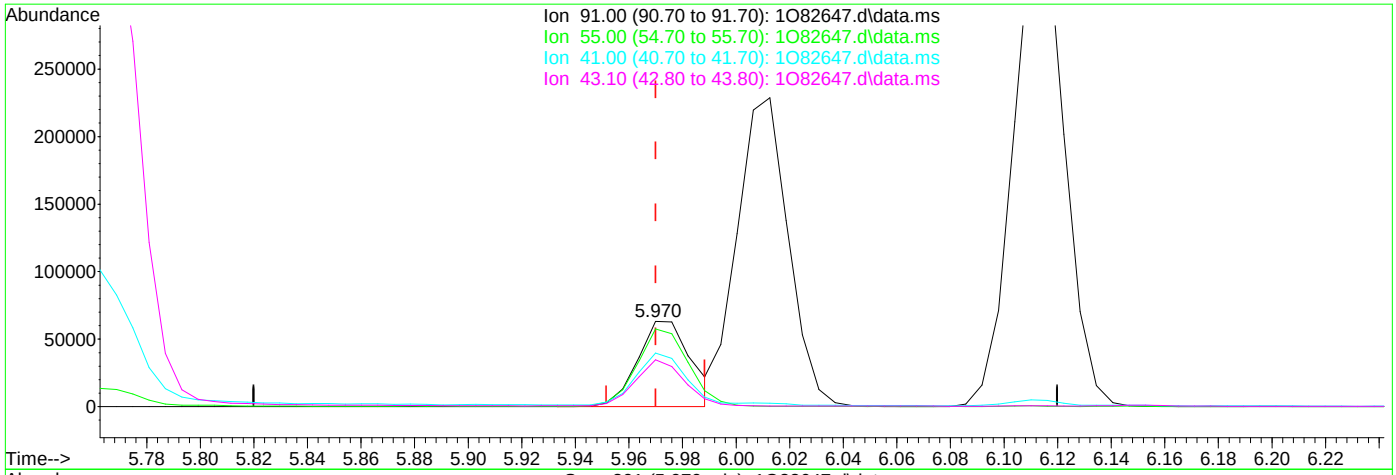
response 60001

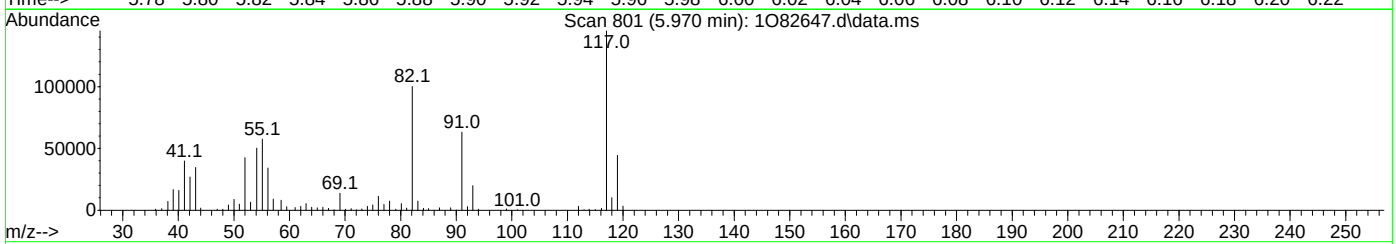
Ion	Exp%	Act%
91.00	100	100
55.00	82.50	89.58
41.00	56.60	60.09
43.10	48.60	53.36

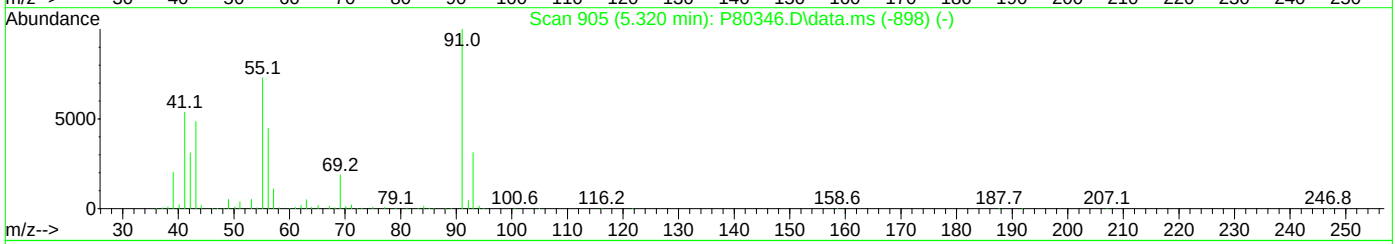
Quantitation Report (Qedit)

Data Path : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\V1O2976\
Data File : 1O82647.d
Acq On : 14 Mar 2024 6:30 pm
Operator : jeniferw
Sample : FC14007-6MSD Inst : MSVOA12
Misc : MS56094,V1O2976,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Mar 15 08:31:49 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\method\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration







TIC: 1O82647.d\data.ms

(76) 1-Chlorohexane

5.970min (+0.000) 23.33ug/L m

response 87344

Ion	Exp%	Act%
91.00	100	100
55.00	82.50	91.10
41.00	56.60	62.96
43.10	48.60	54.91

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
03/21/24 11:13

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-15-2024\
Data File : 1O82674.D
Acq On : 15 Mar 2024 6:18 pm
Operator : jeniferw
Sample : FC14048-1MS Inst : MSVOA12
Misc : MS56102,V1O2977,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Mar 17 14:02:36 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.983	96	637267	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.982	117	432969	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.732	152	226067	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.519	113	165557	51.01	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.02%			
50) 1,2-Dichloroethane-d4	3.824	65	218954	53.12	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 106.24%			
63) Toluene-d8	4.940	98	633375	49.88	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 99.76%			
86) 4-Bromofluorobenzene	6.872	174	161061	50.14	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.28%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.203	85	92687	41.94	ug/L	96
3) Chloromethane	1.355	50	93315	32.78	ug/L	99
4) 1,3-butadiene	1.422	39	83788	32.48	ug/L	95
5) Vinyl Chloride	1.410	62	94207	30.91	ug/L	98
6) Bromomethane	1.642	94	17668	23.40	ug/L	98
7) Chloroethane	1.727	64	40289	72.50	ug/L	94
8) Trichlorofluoromethane	1.824	101	110453	35.17	ug/L	94
9) Ethyl Ether	2.032	59	122376	46.58	ug/L	98
10) Ethanol	2.129	45	29726	463.44	ug/L	99
11) 1,2-Dichlorotrifluoroe...	2.154	67	103501	32.89	ug/L	98
12) 1,1-Dichloroethene	2.154	61	129258	31.22	ug/L	96
13) Freon 113	2.184	101	76653	33.68	ug/L	97
14) Carbon Disulfide	2.172	76	232345	28.07	ug/L	96
15) Iodomethane	2.245	142	26321	30.24	ug/L	98
16) Acrolein	2.361	56	146978	147.93	ug/L	100
17) Allyl chloride	2.446	41	106024	27.62	ug/L	96
18) Methylene Chloride	2.507	49	114455	31.98	ug/L	93
19) Acetone	2.532	43	214680	150.27	ug/L	96
20) Methyl acetate	2.605	43	526427	146.06	ug/L	99
21) trans-1,2-Dichloroethene	2.605	61	126581	30.25	ug/L	99
22) Hexane	2.654	56	73571	32.18	ug/L	96
23) Methyl Tert Butyl Ether	2.666	73	222510	27.21	ug/L	97
24) Tert Butyl Alcohol	2.715	59	236512	276.26	ug/L	91
25) Acetonitrile	2.800	41	169515	314.98	ug/L	97
26) Di-isopropyl ether	2.879	45	261770	29.23	ug/L	97
27) Chloroprene	2.946	53	111943	25.94	ug/L	99
28) 1,1-Dichloroethane	2.958	63	223217	41.62	ug/L	98
29) Acrylonitrile	2.977	52	239673	149.32	ug/L	99
30) ETBE	3.086	59	264384	28.29	ug/L	99
31) Vinyl acetate	3.092	43	1005803	157.83	ug/L	100
32) cis-1,2-Dichloroethene	3.263	96	76408	26.31	ug/L	97
33) 2,2-Dichloropropane	3.324	77	100893	26.37	ug/L	99
34) Bromochloromethane	3.373	128	35958	27.29	ug/L	86
35) Cyclohexane	3.385	56	159127	31.37	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-15-2024\
Data File : 1O82674.D
Acq On : 15 Mar 2024 6:18 pm
Operator : jeniferw
Sample : FC14048-1MS Inst : MSVOA12
Misc : MS56102,V1O2977,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Mar 17 14:02:36 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36)	Chloroform	3.416	83	139571	27.92	ug/L		99
37)	Ethyl acetate	3.470	43	668294	149.86	ug/L		97
38)	Tetrahydrofuran	3.501	42	54188	30.42	ug/L		94
40)	Carbon Tetrachloride	3.501	117	78550m	25.18	ug/L		
41)	1,1,1-Trichloroethane	3.538	97	115078	29.06	ug/L		96
42)	2-Butanone	3.580	43	343886	134.22	ug/L		98
43)	1,1-Dichloropropene	3.605	75	109397	30.82	ug/L		96
44)	tert-Butyl formate	3.666	59	198624	78.81	ug/L		91
45)	Propionitrile	3.751	54	253587	297.09	ug/L		91
46)	Methacrylonitrile	3.763	41	743041	299.30	ug/L		99
47)	Benzene	3.751	78	300938	28.38	ug/L		82
48)	TAME	3.806	73	206300	26.12	ug/L		95
49)	Isobutyl alcohol	3.848	43	154465m	515.48	ug/L		
51)	1,2-Dichloroethane	3.861	62	116178	29.07	ug/L		97
52)	Tert Amyl Alcohol	3.903	59	190585	266.39	ug/L		91
53)	Trichloroethene	4.086	95	77929	27.01	ug/L		99
54)	Methylcyclohexane	4.086	83	118461	29.09	ug/L		94
55)	Dibromomethane	4.336	93	49723	27.55	ug/L		96
56)	1,2-Dichloropropane	4.397	63	91066	30.03	ug/L		98
57)	Bromodichloromethane	4.428	83	88366	24.37	ug/L		98
58)	Methyl methacrylate	4.513	41	87701	28.40	ug/L		94
59)	1,4-Dioxane	4.550	88	22381	410.10	ug/L		99
60)	2-Chloroethyl vinyl ether	4.818	63	674	0.26	ug/L	#	35
61)	cis-1,3-Dichloropropene	4.818	75	111530	25.23	ug/L		94
64)	Toluene	4.976	91	303913	27.44	ug/L		99
65)	2-Nitropropane	5.117	41	138971	124.65	ug/L		96
66)	4-Methyl-2-pentanone	5.208	43	656437	148.80	ug/L		98
67)	trans-1,3-Dichloropropene	5.238	75	97900	23.63	ug/L		96
68)	Tetrachloroethene	5.232	166	65318	27.27	ug/L		92
69)	Ethyl methacrylate	5.330	69	102793	25.35	ug/L		92
70)	1,1,2-Trichloroethane	5.342	83	63060	26.43	ug/L		97
71)	Dibromochloromethane	5.464	129	59839	23.94	ug/L		98
72)	1,3-Dichloropropane	5.531	76	128510	28.83	ug/L		98
73)	1,2-Dibromoethane	5.635	107	71628	26.08	ug/L		97
74)	3,3-dimethyl-1-butanol	5.744	57	1279638	1522.99	ug/L		96
75)	2-hexanone	5.769	43	717423	154.01	ug/L		95
76)	1-Chlorohexane	5.976	91	91207m	24.86	ug/L		
77)	Ethylbenzene	6.013	91	325912	27.08	ug/L		98
78)	Chlorobenzene	5.994	112	186133	26.56	ug/L		99
79)	1,1,1,2-Tetrachloroethane	6.037	131	57191	24.24	ug/L		99
80)	m,p-Xylene	6.116	91	508234	53.09	ug/L		99
81)	o-Xylene	6.427	91	253219	25.34	ug/L		99
82)	Styrene	6.464	104	199292	26.35	ug/L		97
83)	Bromoform	6.482	173	31409	20.91	ug/L		96
84)	Isopropylbenzene	6.659	105	295019	26.39	ug/L		99
87)	cis-1,4-Dichloro-2-butene	6.915	53	34002	23.63	ug/L	#	81
88)	n-Propylbenzene	6.976	91	360713	26.78	ug/L		100
89)	Bromobenzene	6.952	156	70054	27.83	ug/L		93
90)	1,1,2,2-Tetrachloroethane	7.025	83	117183	27.60	ug/L		97
91)	1,3,5-Trimethylbenzene	7.122	105	253389	26.86	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-15-2024\
Data File : 1O82674.D
Acq On : 15 Mar 2024 6:18 pm
Operator : jeniferw
Sample : FC14048-1MS Inst : MSVOA12
Misc : MS56102,V1O2977,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Mar 17 14:02:36 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration

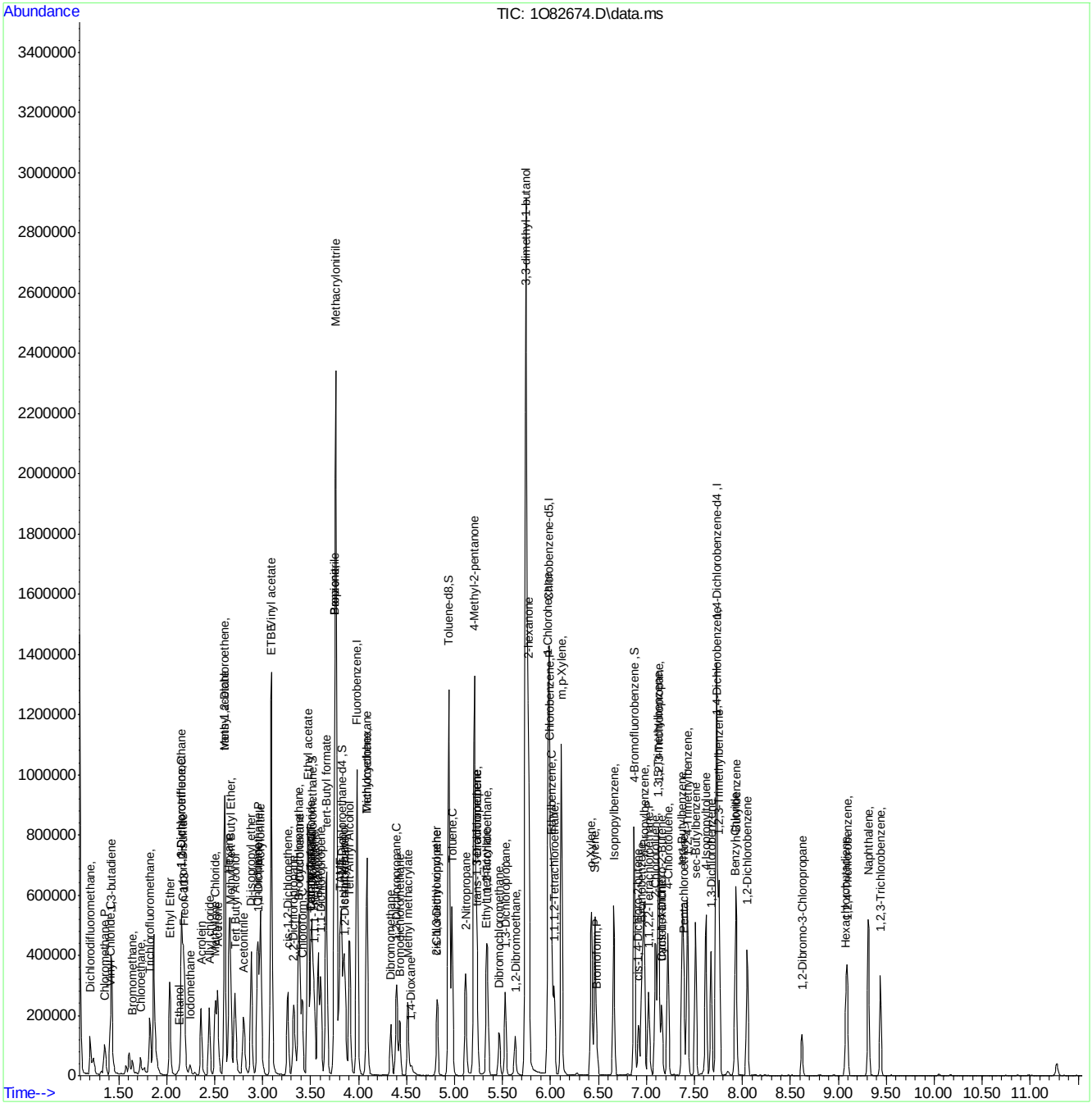
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92) 2-Chlorotoluene	7.092	91	244894	26.59	ug/L		99
93) trans-1,4-Dichloro-2-B...	7.159	53	26618	22.73	ug/L		87
94) 1,2,3-Trichloropropane	7.128	110	34412	28.78	ug/L		96
95) Cyclohexanone	7.159	55	30106	113.06	ug/L		98
96) 4-Chlorotoluene	7.226	91	227735	26.11	ug/L		98
97) tert-Butylbenzene	7.372	91	140413	26.70	ug/L		97
99) 1,2,4-Trimethylbenzene	7.427	105	256556	27.13	ug/L		99
100) Pentachloroethane	7.390	167	28237	22.61	ug/L		96
101) sec-Butylbenzene	7.512	105	278455	25.61	ug/L		99
102) 4-Isopropyltoluene	7.622	119	243259	26.54	ug/L		100
103) 1,3-Dichlorobenzene	7.677	146	128832	25.56	ug/L		98
104) 1,2,3-Trimethylbenzene	7.756	105	267669	27.45	ug/L		100
105) 1,4-Dichlorobenzene	7.738	146	133632	26.30	ug/L		97
106) n-Butylbenzene	7.933	92	136872	26.70	ug/L		96
107) Benzyl Chloride	7.927	126	24581	17.13	ug/L	#	1
108) 1,2-Dichlorobenzene	8.049	146	123016	25.90	ug/L		97
109) 1,2-Dibromo-3-Chloropr...	8.622	75	26475	25.78	ug/L		88
110) Hexachlorobutadiene	9.079	225	26215	26.32	ug/L		97
111) 1,2,4-Trichlorobenzene	9.091	180	71032	24.32	ug/L		98
112) Naphthalene	9.311	128	287660	23.55	ug/L		99
113) 1,2,3-Trichlorobenzene	9.439	180	66972	24.57	ug/L		95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-15-2024\
Data File : 1O82674.D
Acq On : 15 Mar 2024 6:18 pm
Operator : jeniferw
Sample : FC14048-1MS Inst : MSVOA12
Misc : MS56102,V1O2977,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Mar 17 14:02:36 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration



Manual Integration Approval Summary

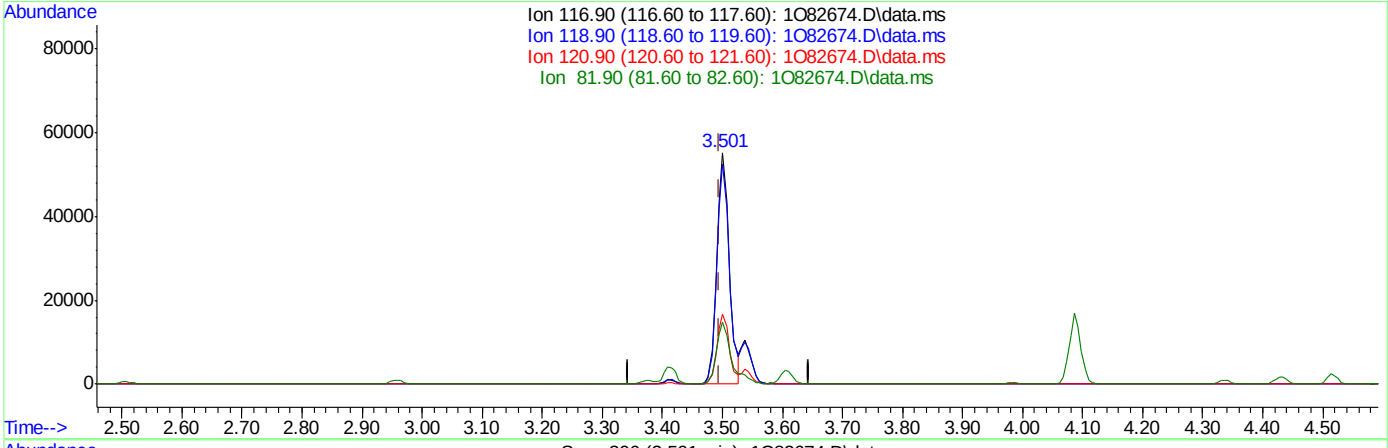
Sample Number: FC14048-1MS
Lab FileID: 1O82674.D
Injection Time: 03/15/24 18:18
Method: SW846 8260D
Analyst approved: 03/17/24 14:17 Jenifer Willis
Supervisor approved: 03/21/24 11:13 Karen Watson

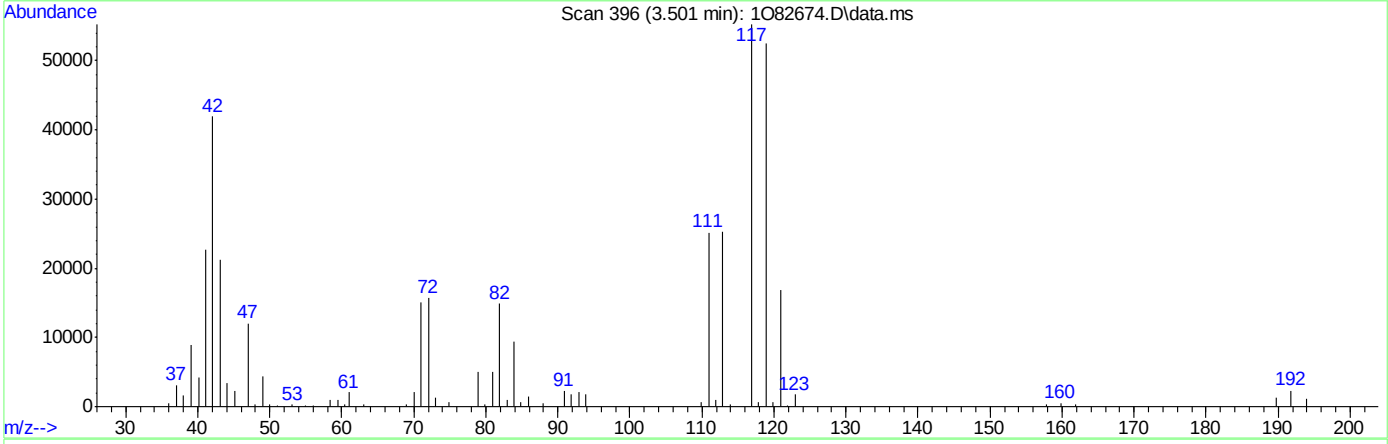
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.50	Overlapping peak
Isobutyl Alcohol	78-83-1		3.85	Poorly defined baseline
1-Chlorohexane	544-10-5		5.98	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-15-2024\
Data File : 1O82674.D
Acq On : 15 Mar 2024 6:18 pm
Operator : jeniferw
Sample : FC14048-1MS Inst : MSVOA12
Misc : MS56102,V1O2977,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Mar 17 08:52:07 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration





TIC: 1O82674.D\data.ms

(40) Carbon Tetrachloride ( )

3.501min (+0.006) 25.18ug/L m

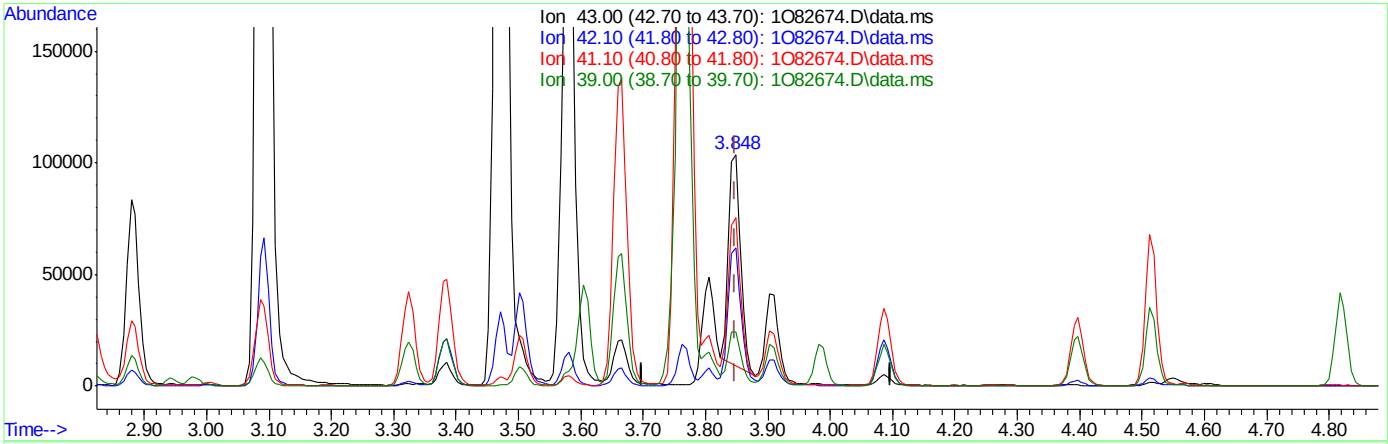
response 78550

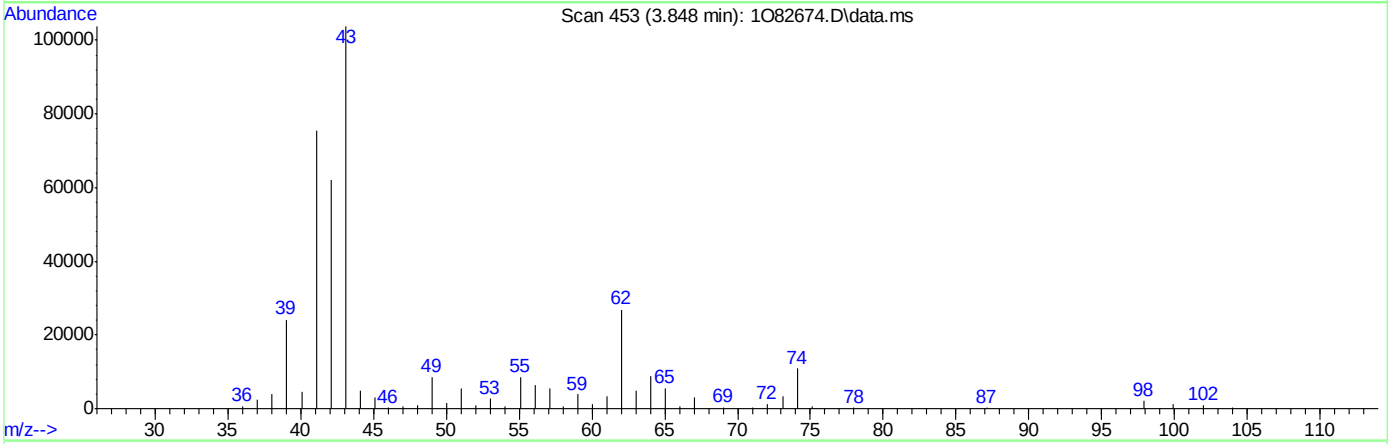
Ion	Exp%	Act%
116.90	100	100
118.90	93.10	95.05
120.90	29.70	30.40
81.90	25.40	26.93

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-15-2024\
Data File : 1O82674.D
Acq On : 15 Mar 2024 6:18 pm
Operator : jeniferw
Sample : FC14048-1MS Inst : MSVOA12
Misc : MS56102,V1O2977,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Mar 17 08:52:07 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration





TIC: 1O82674.D\data.ms

(49) Isobutyl alcohol

3.848min (+0.000) 419.78ug/L

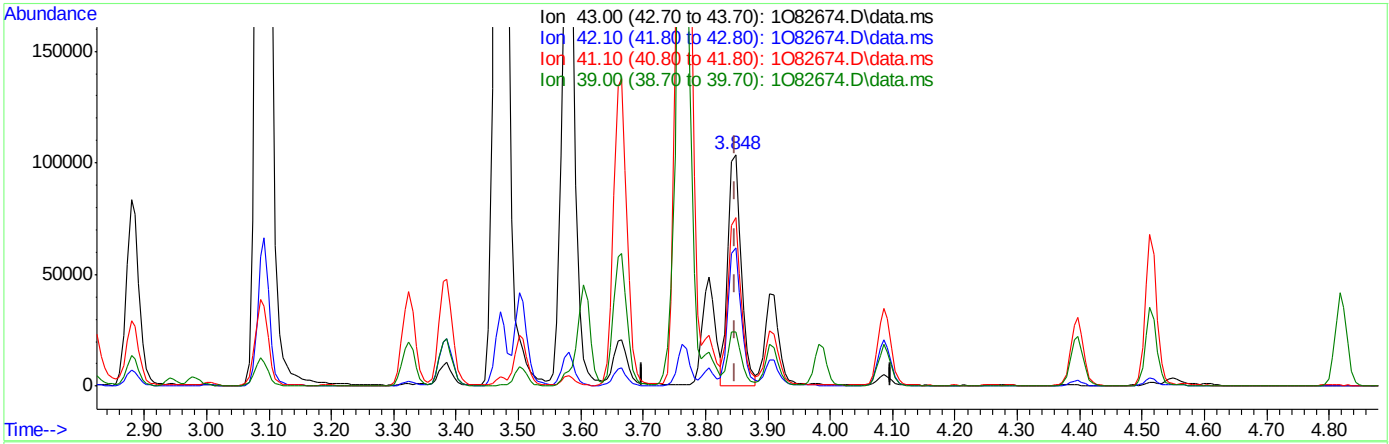
response 125790

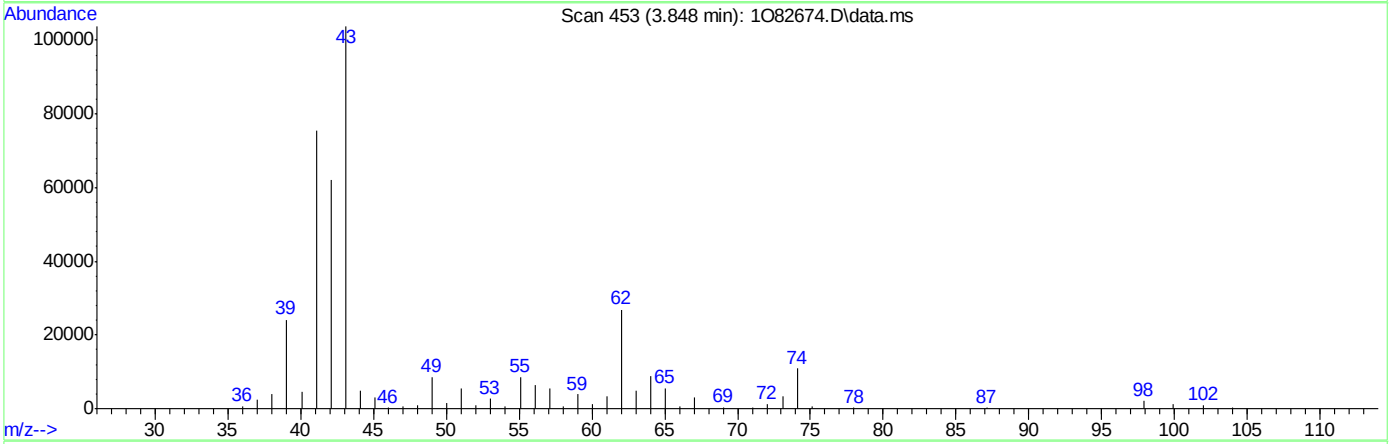
Ion	Exp%	Act%
43.00	100	100
42.10	60.00	60.09
41.10	68.80	72.14
39.00	22.50	22.68

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-15-2024\
Data File : 1O82674.D
Acq On : 15 Mar 2024 6:18 pm
Operator : jeniferw
Sample : FC14048-1MS Inst : MSVOA12
Misc : MS56102,V1O2977,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Mar 17 08:52:07 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration





TIC: 1O82674.D\data.ms

(49) Isobutyl alcohol

3.848min (+0.000) 515.48ug/L m

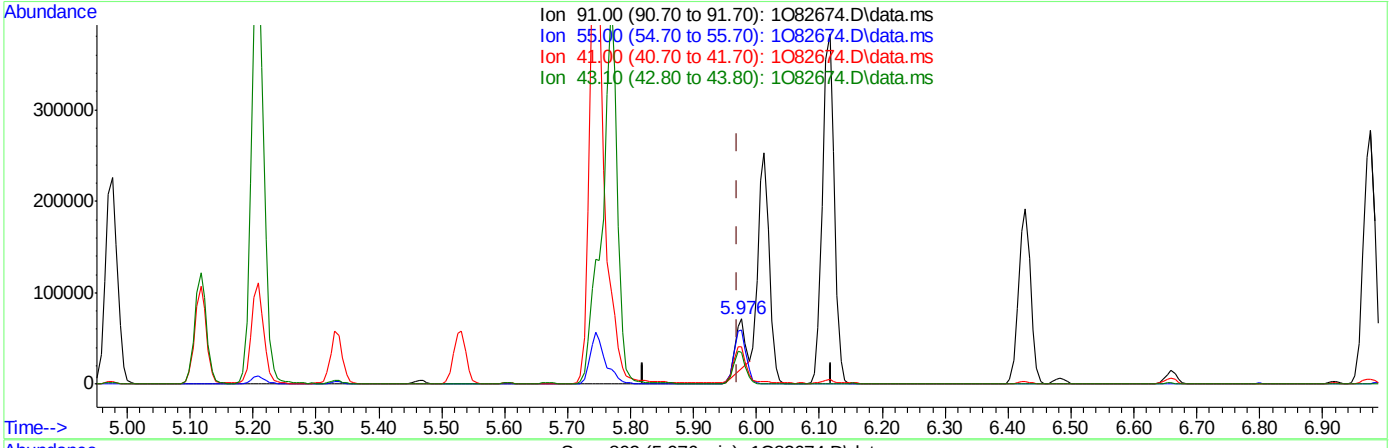
response 154465

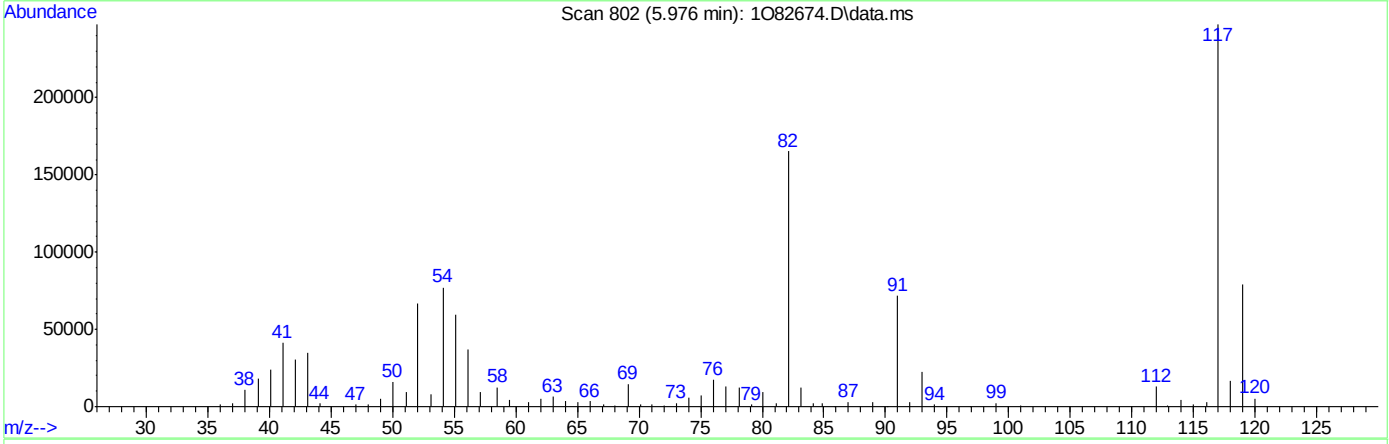
Ion	Exp%	Act%
43.00	100	100
42.10	60.00	59.81
41.10	68.80	72.59
39.00	22.50	23.27

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-15-2024\
Data File : 1O82674.D
Acq On : 15 Mar 2024 6:18 pm
Operator : jeniferw
Sample : FC14048-1MS Inst : MSVOA12
Misc : MS56102,V1O2977,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Mar 17 08:52:07 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration





TIC: 1O82674.D\data.ms

(76) 1-Chlorohexane

5.976min (+0.006) 16.78ug/L

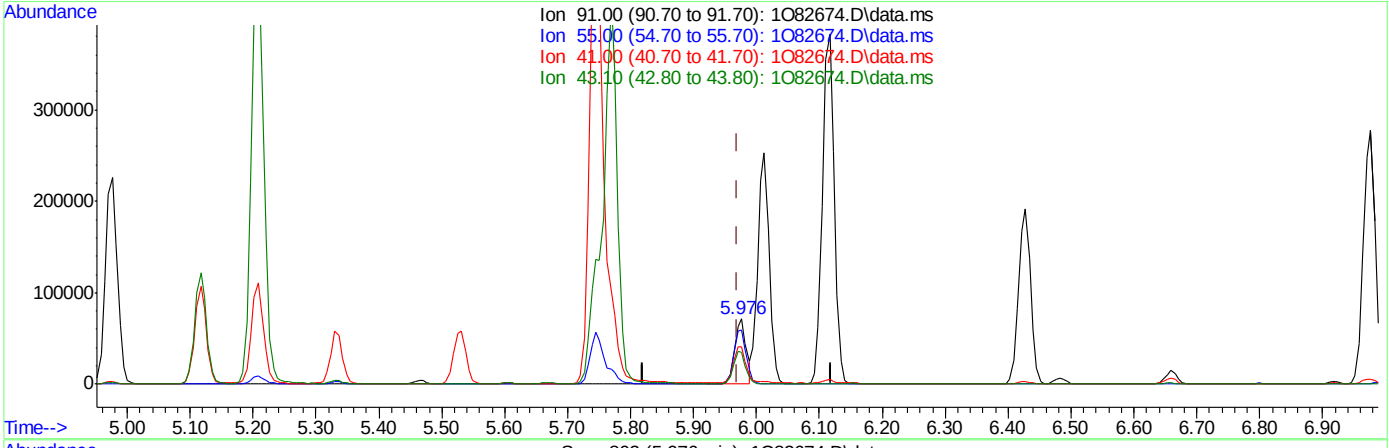
response 61564

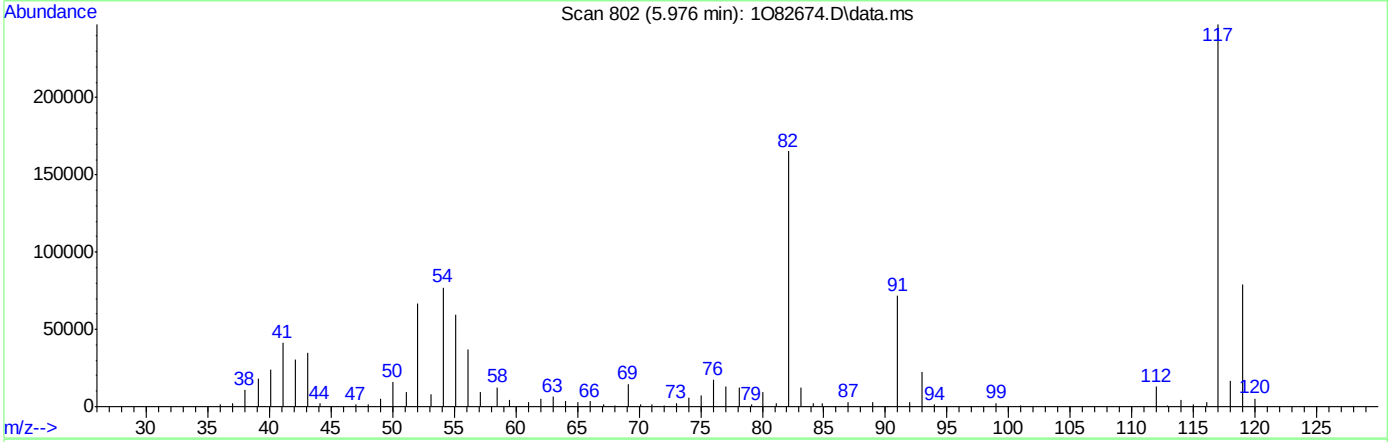
Ion	Exp%	Act%
91.00	100	100
55.00	82.50	81.25
41.00	56.60	55.17
43.10	48.60	47.26

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-15-2024\
Data File : 1O82674.D
Acq On : 15 Mar 2024 6:18 pm
Operator : jeniferw
Sample : FC14048-1MS Inst : MSVOA12
Misc : MS56102,V1O2977,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Mar 17 08:52:07 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration





TIC: 1O82674.D\data.ms

(76) 1-Chlorohexane

5.976min (+0.006) 24.86ug/L m

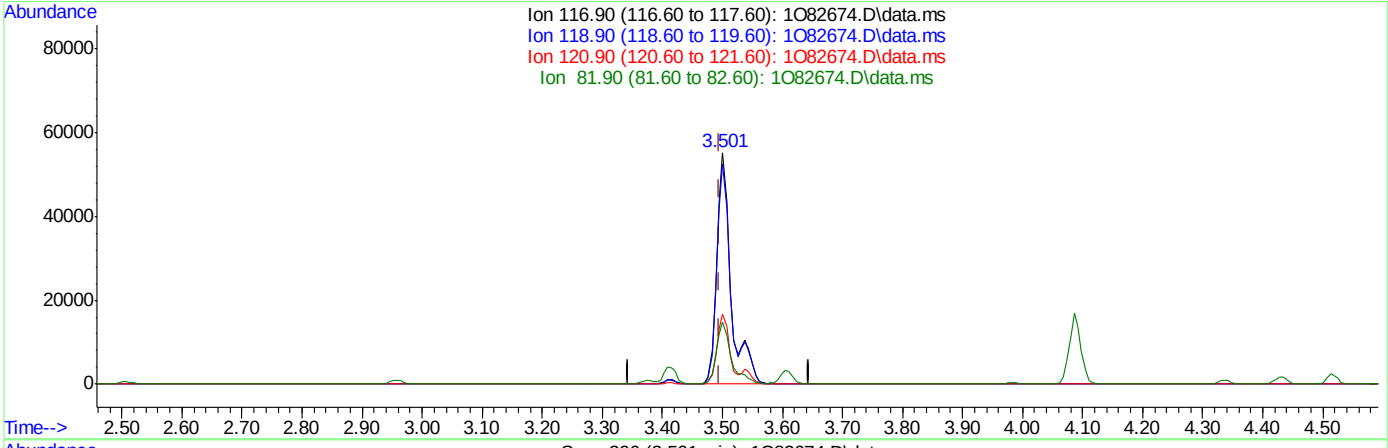
response 91207

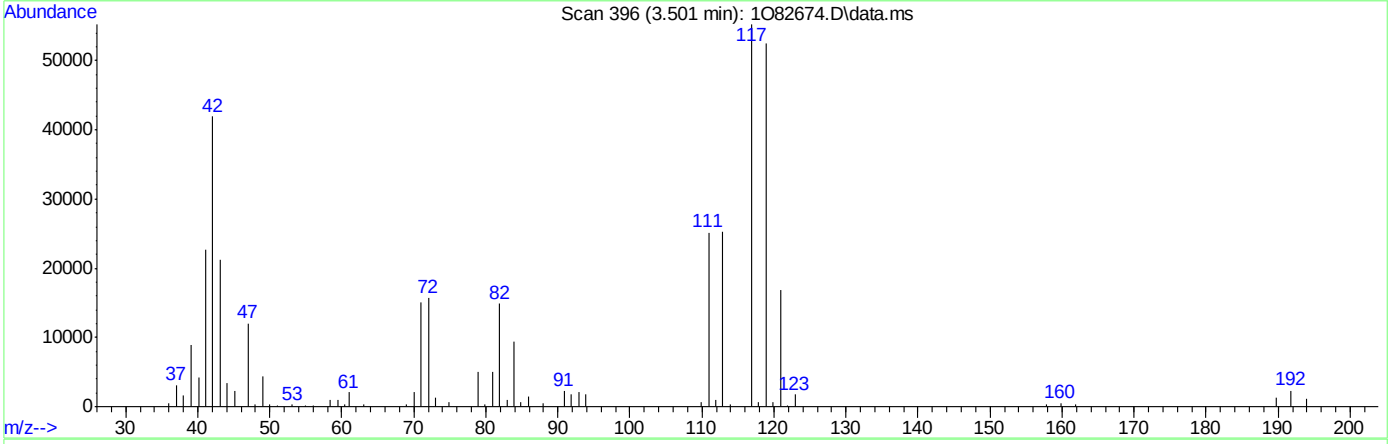
Ion	Exp%	Act%
91.00	100	100
55.00	82.50	82.90
41.00	56.60	57.56
43.10	48.60	49.14

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-15-2024\
Data File : 1O82674.D
Acq On : 15 Mar 2024 6:18 pm
Operator : jeniferw
Sample : FC14048-1MS Inst : MSVOA12
Misc : MS56102,V1O2977,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Mar 17 08:52:07 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration





TIC: 1O82674.D\data.ms

(40) Carbon Tetrachloride ( )

3.501min (+0.006) 29.32ug/L

response 91478

Ion	Exp%	Act%
116.90	100	100
118.90	93.10	95.05
120.90	29.70	30.40
81.90	25.40	26.93

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
03/21/24 11:13

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-15-2024\
Data File : 1O82675.D
Acq On : 15 Mar 2024 6:43 pm
Operator : jeniferw
Sample : FC14048-1MSD Inst : MSVOA12
Misc : MS56102,V1O2977,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Mar 17 14:03:03 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.983	96	638556	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.982	117	437784	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.732	152	228698	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.513	113	166297	51.14	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.28%			
50) 1,2-Dichloroethane-d4	3.818	65	222578	53.89	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 107.78%			
63) Toluene-d8	4.940	98	643314	50.11	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.22%			
86) 4-Bromofluorobenzene	6.872	174	163246	50.23	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.46%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.196	85	101913	46.02	ug/L	97
3) Chloromethane	1.349	50	102223	35.83	ug/L	99
4) 1,3-butadiene	1.422	39	86081	33.31	ug/L	98
5) Vinyl Chloride	1.404	62	104916	34.35	ug/L	99
6) Bromomethane	1.635	94	21297	28.15	ug/L	99
7) Chloroethane	1.721	64	36560	62.28	ug/L	95
8) Trichlorofluoromethane	1.818	101	114905	36.51	ug/L	99
9) Ethyl Ether	2.032	59	123193	46.79	ug/L	99
10) Ethanol	2.129	45	39199	609.89	ug/L	96
11) 1,2-Dichlorotrifluoroe...	2.154	67	104637	33.19	ug/L	97
12) 1,1-Dichloroethene	2.154	61	127607	30.76	ug/L	99
13) Freon 113	2.178	101	74942	32.86	ug/L	97
14) Carbon Disulfide	2.166	76	228423	27.54	ug/L	94
15) Iodomethane	2.239	142	35218	37.32	ug/L	97
16) Acrolein	2.355	56	150669	151.34	ug/L	100
17) Allyl chloride	2.440	41	107499	27.95	ug/L	96
18) Methylene Chloride	2.501	49	112242	31.30	ug/L	93
19) Acetone	2.525	43	215896	150.81	ug/L	95
20) Methyl acetate	2.599	43	515509	142.74	ug/L	98
21) trans-1,2-Dichloroethene	2.599	61	125611	29.95	ug/L	96
22) Hexane	2.647	56	68894	30.08	ug/L	98
23) Methyl Tert Butyl Ether	2.660	73	221822	27.07	ug/L	85
24) Tert Butyl Alcohol	2.708	59	263844	307.56	ug/L	90
25) Acetonitrile	2.800	41	178689	331.36	ug/L	99
26) Di-isopropyl ether	2.879	45	258241	28.78	ug/L	97
27) Chloroprene	2.940	53	118749	27.46	ug/L	98
28) 1,1-Dichloroethane	2.952	63	223206	41.54	ug/L	99
29) Acrylonitrile	2.977	52	238247	148.13	ug/L	100
30) ETBE	3.086	59	264574	28.25	ug/L	98
31) Vinyl acetate	3.086	43	999889	156.58	ug/L	99
32) cis-1,2-Dichloroethene	3.257	96	76384	26.25	ug/L	92
33) 2,2-Dichloropropane	3.324	77	100514	26.22	ug/L	98
34) Bromochloromethane	3.373	128	35576	26.94	ug/L	91
35) Cyclohexane	3.379	56	153830	30.27	ug/L #	90

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-15-2024\
Data File : 1O82675.D
Acq On : 15 Mar 2024 6:43 pm
Operator : jeniferw
Sample : FC14048-1MSD Inst : MSVOA12
Misc : MS56102,V1O2977,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Mar 17 14:03:03 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Chloroform	3.409	83	137602	27.47	ug/L		97
37) Ethyl acetate	3.470	43	656455	146.90	ug/L		98
38) Tetrahydrofuran	3.501	42	56692	31.77	ug/L		96
40) Carbon Tetrachloride	3.501	117	80834m	25.86	ug/L		
41) 1,1,1-Trichloroethane	3.537	97	116092	29.25	ug/L		97
42) 2-Butanone	3.580	43	347770	135.47	ug/L		97
43) 1,1-Dichloropropene	3.605	75	108972	30.64	ug/L		96
44) tert-Butyl formate	3.659	59	208856	82.71	ug/L		90
45) Propionitrile	3.751	54	259734	303.68	ug/L		94
46) Methacrylonitrile	3.763	41	758929	305.08	ug/L		100
47) Benzene	3.745	78	297199	27.97	ug/L		97
48) TAME	3.806	73	205473	25.96	ug/L		95
49) Isobutyl alcohol	3.842	43	175795m	585.48	ug/L		
51) 1,2-Dichloroethane	3.861	62	115133	28.75	ug/L		98
52) Tert Amyl Alcohol	3.903	59	207171	288.99	ug/L		93
53) Trichloroethene	4.086	95	78023	26.99	ug/L		98
54) Methylcyclohexane	4.086	83	116545	28.56	ug/L		96
55) Dibromomethane	4.336	93	49640	27.45	ug/L		97
56) 1,2-Dichloropropane	4.397	63	89007	29.29	ug/L		95
57) Bromodichloromethane	4.428	83	88474	24.35	ug/L		96
58) Methyl methacrylate	4.513	41	90477	29.24	ug/L		95
59) 1,4-Dioxane	4.549	88	29673	542.62	ug/L		95
60) 2-Chloroethyl vinyl ether	4.812	63	606	0.24	ug/L	#	28
61) cis-1,3-Dichloropropene	4.818	75	111965	25.27	ug/L		95
64) Toluene	4.976	91	302123	26.97	ug/L		98
65) 2-Nitropropane	5.116	41	140415	124.56	ug/L		97
66) 4-Methyl-2-pentanone	5.208	43	657437	147.39	ug/L		98
67) trans-1,3-Dichloropropene	5.238	75	98812	23.59	ug/L		99
68) Tetrachloroethene	5.226	166	64508	26.64	ug/L		97
69) Ethyl methacrylate	5.330	69	107815	26.30	ug/L		95
70) 1,1,2-Trichloroethane	5.342	83	61320	25.42	ug/L		97
71) Dibromochloromethane	5.470	129	61256	24.23	ug/L		98
72) 1,3-Dichloropropane	5.531	76	128258	28.45	ug/L		98
73) 1,2-Dibromoethane	5.629	107	73269	26.39	ug/L		95
74) 3,3-dimethyl-1-butanol	5.744	57	1406282	1655.31	ug/L		96
75) 2-hexanone	5.769	43	732718	155.57	ug/L		95
76) 1-Chlorohexane	5.976	91	88379m	23.83	ug/L		
77) Ethylbenzene	6.013	91	322770	26.52	ug/L		98
78) Chlorobenzene	5.994	112	182960	25.82	ug/L		97
79) 1,1,1,2-Tetrachloroethane	6.037	131	57036	23.91	ug/L		99
80) m,p-Xylene	6.116	91	500282	51.68	ug/L		100
81) o-Xylene	6.427	91	251586	24.90	ug/L		97
82) Styrene	6.464	104	198022	25.89	ug/L		98
83) Bromoform	6.482	173	31159	20.52	ug/L		97
84) Isopropylbenzene	6.659	105	292884	25.91	ug/L		99
87) cis-1,4-Dichloro-2-butene	6.915	53	35891	24.66	ug/L		81
88) n-Propylbenzene	6.976	91	359293	26.37	ug/L		99
89) Bromobenzene	6.951	156	69088	27.13	ug/L		95
90) 1,1,2,2-Tetrachloroethane	7.025	83	117127	27.26	ug/L		100
91) 1,3,5-Trimethylbenzene	7.128	105	251313	26.34	ug/L		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-15-2024\
Data File : 1O82675.D
Acq On : 15 Mar 2024 6:43 pm
Operator : jeniferw
Sample : FC14048-1MSD Inst : MSVOA12
Misc : MS56102,V1O2977,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Mar 17 14:03:03 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration

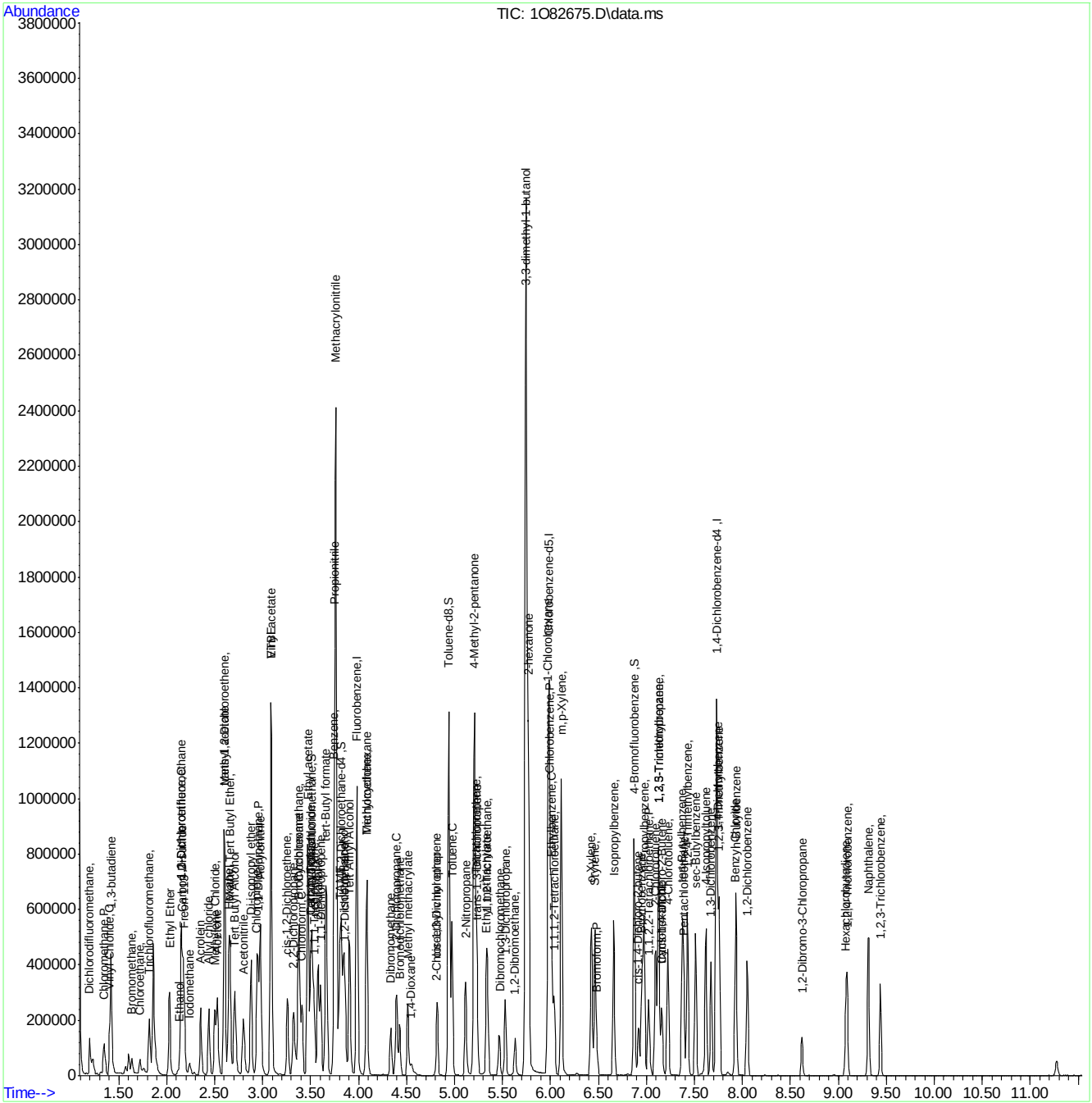
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92) 2-Chlorotoluene	7.098	91	240902	25.85	ug/L		98
93) trans-1,4-Dichloro-2-B...	7.159	53	26423	22.31	ug/L	#	83
94) 1,2,3-Trichloropropane	7.128	110	35140	29.05	ug/L		94
95) Cyclohexanone	7.159	55	36813	136.66	ug/L		96
96) 4-Chlorotoluene	7.226	91	228044	25.84	ug/L		99
97) tert-Butylbenzene	7.372	91	139636	26.24	ug/L		97
99) 1,2,4-Trimethylbenzene	7.427	105	254364	26.59	ug/L		100
100) Pentachloroethane	7.390	167	30219	23.92	ug/L		96
101) sec-Butylbenzene	7.512	105	279617	25.42	ug/L		99
102) 4-Isopropyltoluene	7.622	119	241985	26.10	ug/L		99
103) 1,3-Dichlorobenzene	7.671	146	127473	25.00	ug/L		95
104) 1,2,3-Trimethylbenzene	7.756	105	266649	27.04	ug/L		100
105) 1,4-Dichlorobenzene	7.744	146	132325	25.74	ug/L		95
106) n-Butylbenzene	7.933	92	135859	26.19	ug/L		94
107) Benzyl Chloride	7.927	126	24841	17.12	ug/L	#	1
108) 1,2-Dichlorobenzene	8.049	146	123845	25.77	ug/L		98
109) 1,2-Dibromo-3-Chloropr...	8.622	75	26991	25.98	ug/L		88
110) Hexachlorobutadiene	9.079	225	26380	26.18	ug/L		95
111) 1,2,4-Trichlorobenzene	9.091	180	70695	23.92	ug/L		97
112) Naphthalene	9.317	128	284801	23.05	ug/L		100
113) 1,2,3-Trichlorobenzene	9.439	180	67986	24.65	ug/L		98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-15-2024\
Data File : 1O82675.D
Acq On : 15 Mar 2024 6:43 pm
Operator : jeniferw
Sample : FC14048-1MSD Inst : MSVOA12
Misc : MS56102,V1O2977,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Mar 17 14:03:03 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration



Manual Integration Approval Summary

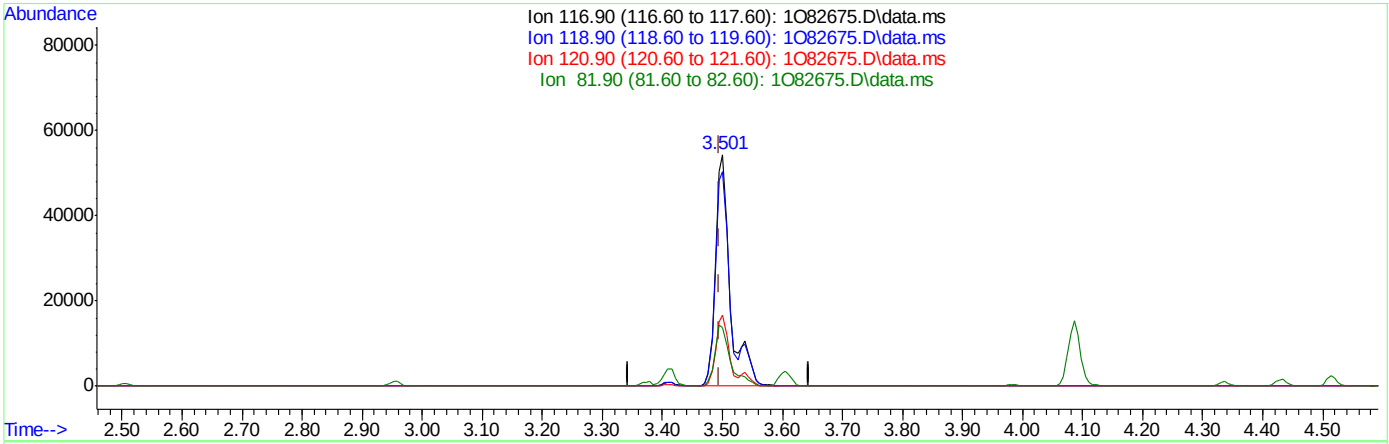
Sample Number: FC14048-1MSD
Lab FileID: 1O82675.D
Injection Time: 03/15/24 18:43
Method: SW846 8260D
Analyst approved: 03/17/24 14:17 Jenifer Willis
Supervisor approved: 03/21/24 11:13 Karen Watson

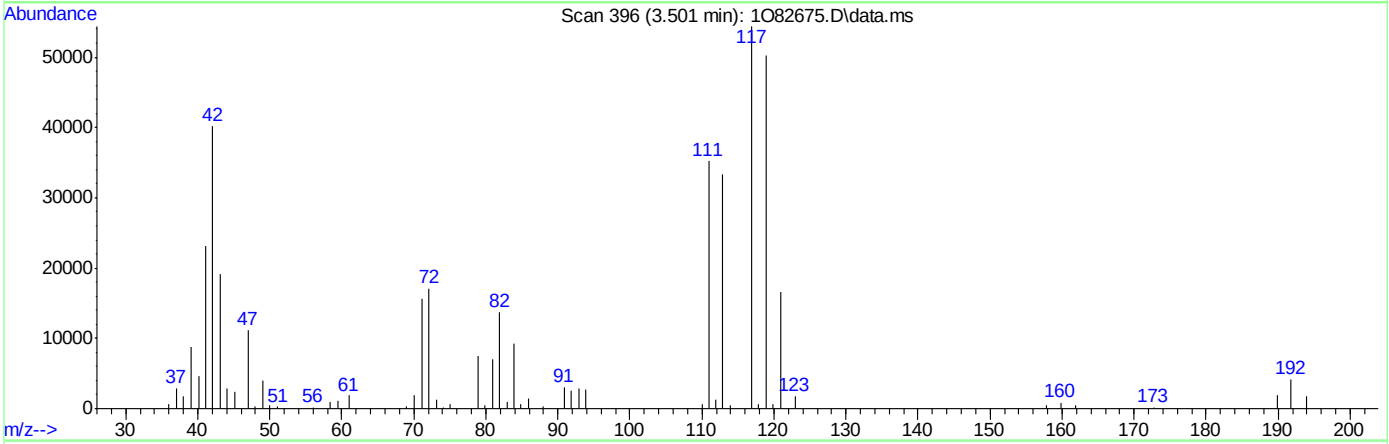
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.50	Overlapping peak
Isobutyl Alcohol	78-83-1		3.84	Poorly defined baseline
1-Chlorohexane	544-10-5		5.98	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-15-2024\
Data File : 1O82675.D
Acq On : 15 Mar 2024 6:43 pm
Operator : jeniferw
Sample : FC14048-1MSD Inst : MSVOA12
Misc : MS56102,V1O2977,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Mar 17 08:52:09 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration





TIC: 1O82675.D\data.ms

(40) Carbon Tetrachloride ( )

3.501min (+0.006) 29.88ug/L

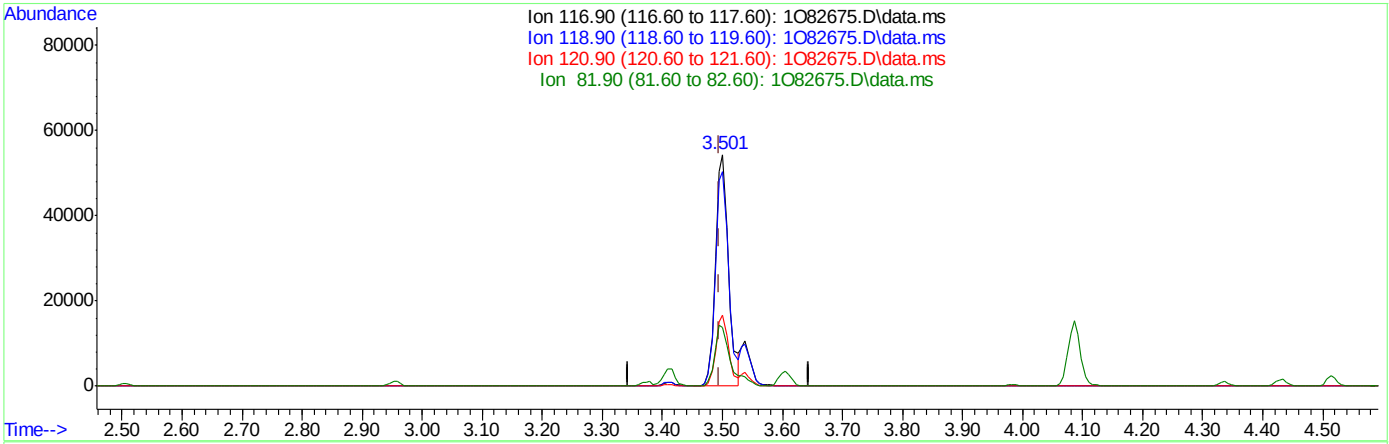
response 93398

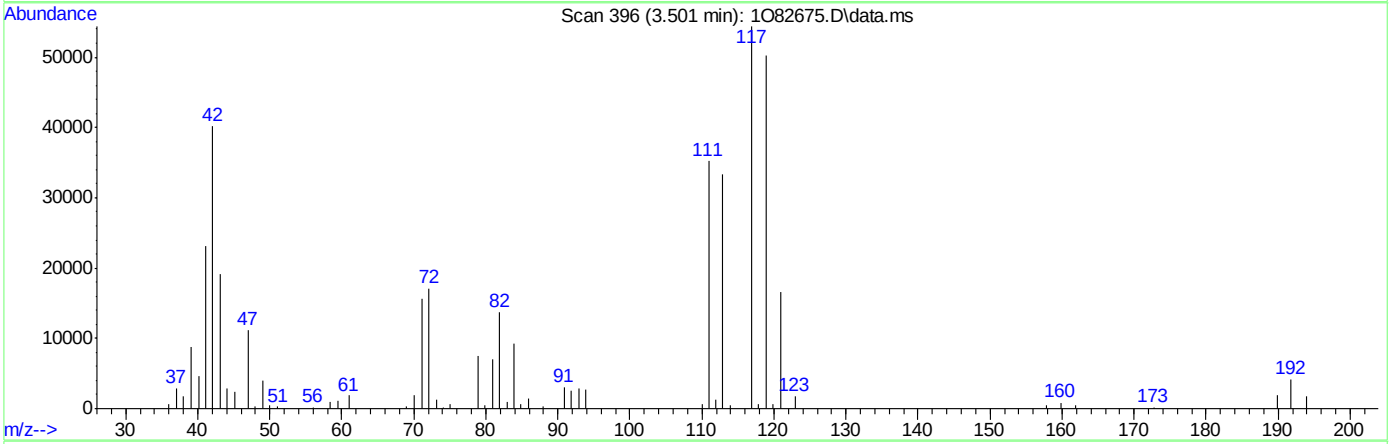
Ion	Exp%	Act%
116.90	100	100
118.90	93.10	92.48
120.90	29.70	30.61
81.90	25.40	25.28

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-15-2024\
Data File : 1O82675.D
Acq On : 15 Mar 2024 6:43 pm
Operator : jeniferw
Sample : FC14048-1MSD Inst : MSVOA12
Misc : MS56102,V1O2977,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Mar 17 08:52:09 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration





TIC: 1O82675.D\data.ms

(40) Carbon Tetrachloride ( )

3.501min (+0.006) 25.86ug/L m

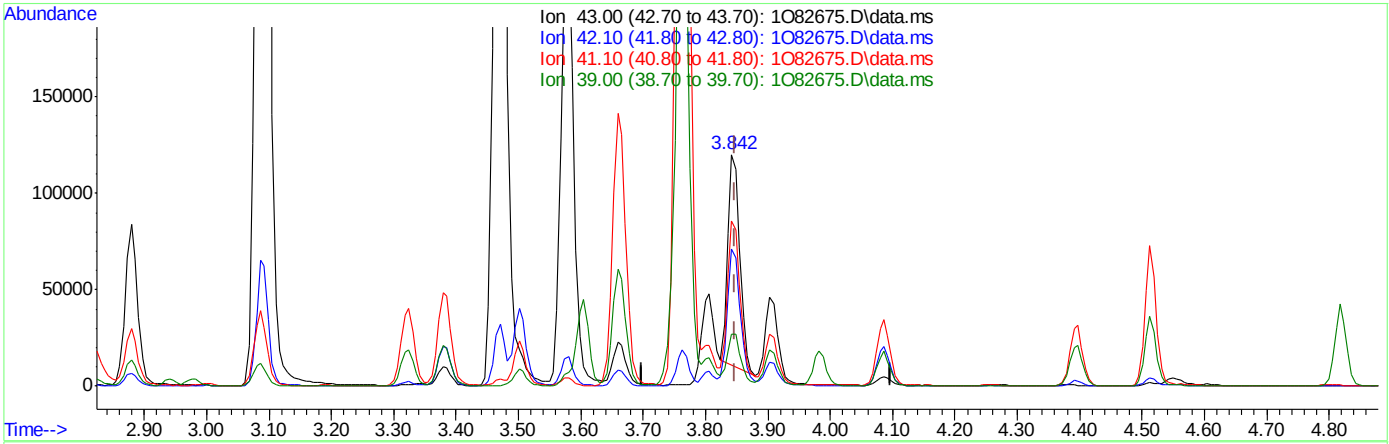
response 80834

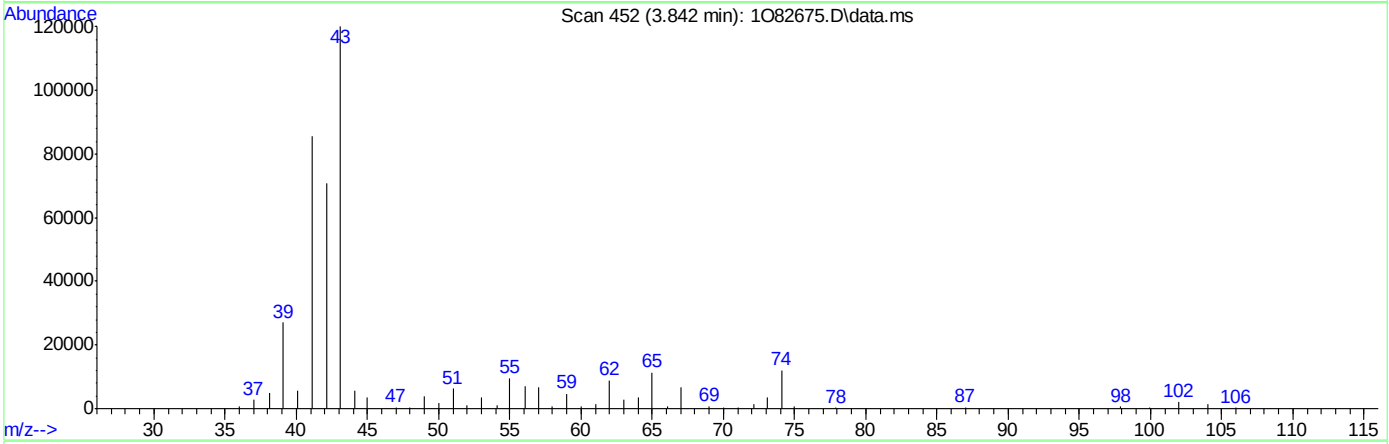
Ion	Exp%	Act%
116.90	100	100
118.90	93.10	92.48
120.90	29.70	30.61
81.90	25.40	25.28

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-15-2024\
Data File : 1O82675.D
Acq On : 15 Mar 2024 6:43 pm
Operator : jeniferw
Sample : FC14048-1MSD Inst : MSVOA12
Misc : MS56102,V1O2977,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Mar 17 08:52:09 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration





TIC: 1O82675.D\data.ms

(49) Isobutyl alcohol

3.842min (-0.006) 481.99ug/L

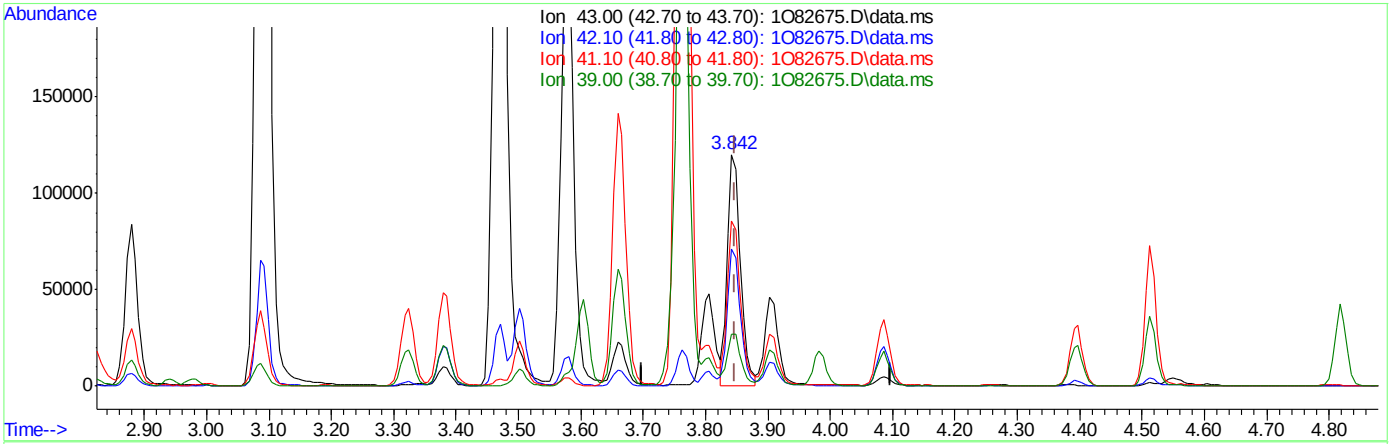
response 144723

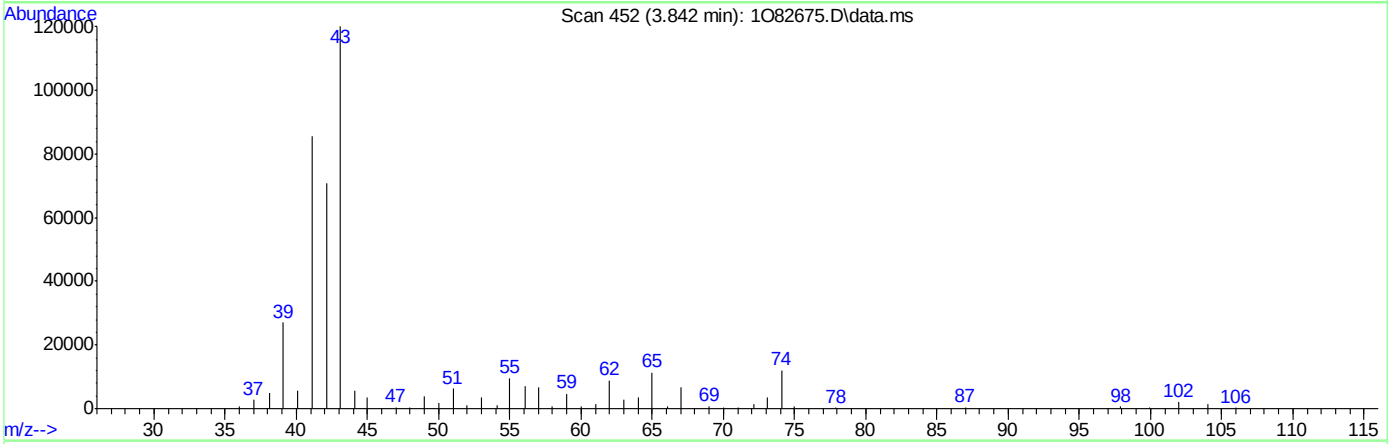
Ion	Exp%	Act%
43.00	100	100
42.10	60.00	59.33
41.10	68.80	70.45
39.00	22.50	21.80

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-15-2024\
Data File : 1O82675.D
Acq On : 15 Mar 2024 6:43 pm
Operator : jeniferw
Sample : FC14048-1MSD Inst : MSVOA12
Misc : MS56102,V1O2977,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Mar 17 08:52:09 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration





TIC: 1O82675.D\data.ms

(49) Isobutyl alcohol

3.842min (-0.006) 585.48ug/L m

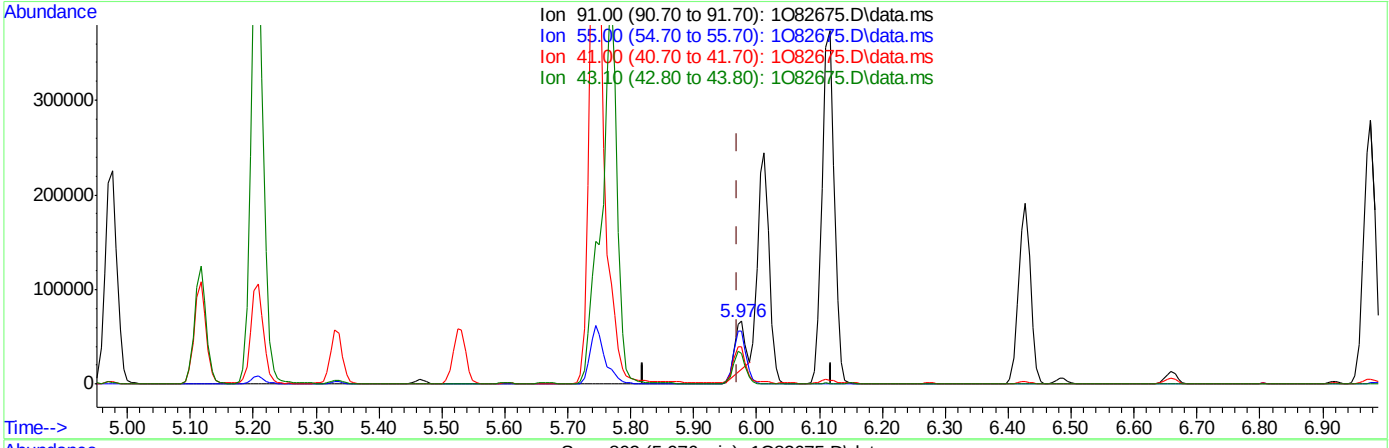
response 175795

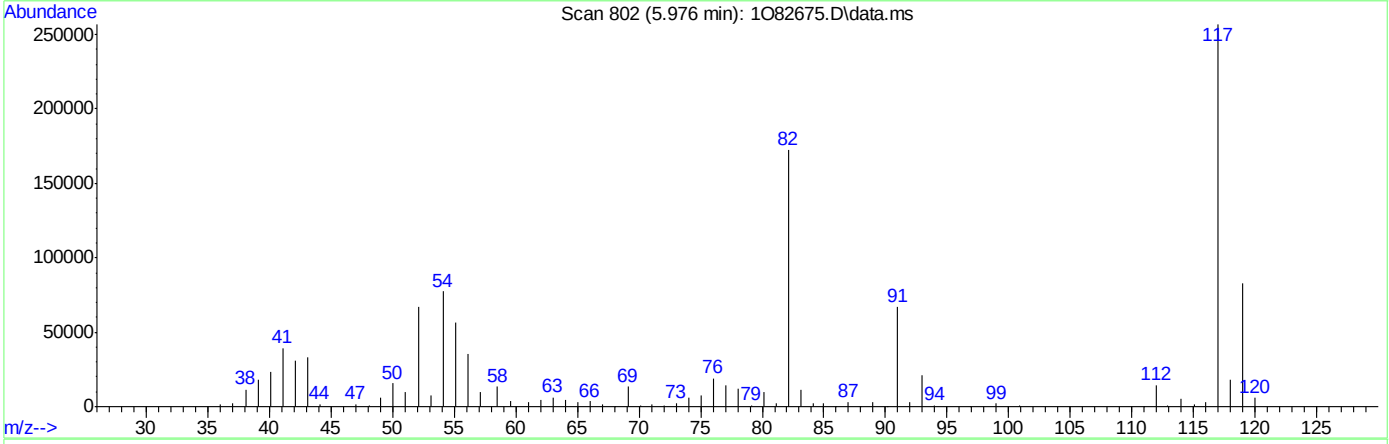
Ion	Exp%	Act%
43.00	100	100
42.10	60.00	59.02
41.10	68.80	71.13
39.00	22.50	22.46

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-15-2024\
Data File : 1O82675.D
Acq On : 15 Mar 2024 6:43 pm
Operator : jeniferw
Sample : FC14048-1MSD Inst : MSVOA12
Misc : MS56102,V1O2977,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Mar 17 08:52:09 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration





TIC: 1O82675.D\data.ms

(76) 1-Chlorohexane

5.976min (+0.006) 16.61ug/L

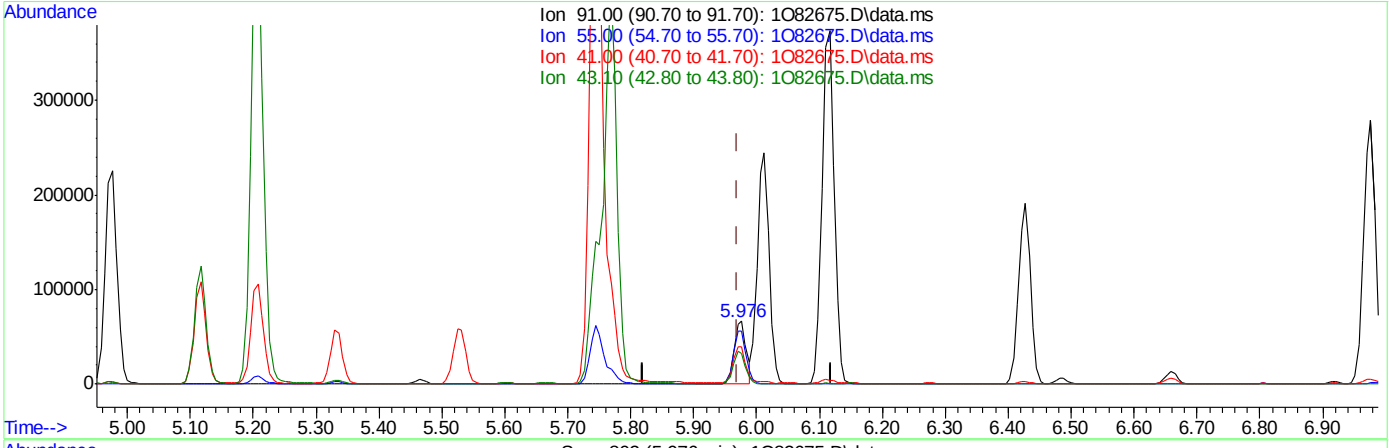
response 61606

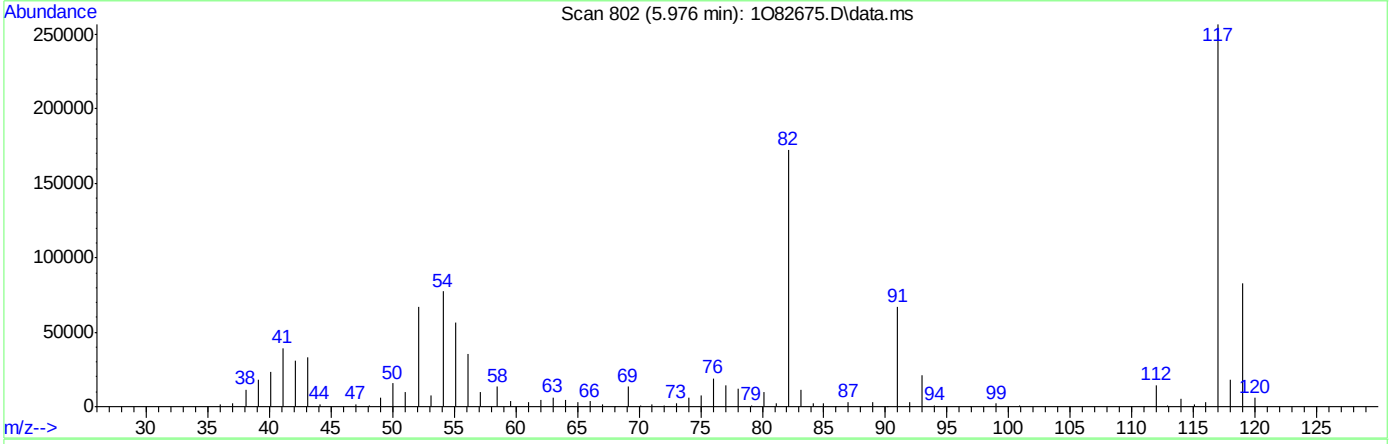
Ion	Exp%	Act%
91.00	100	100
55.00	82.50	83.02
41.00	56.60	55.86
43.10	48.60	47.25

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-15-2024\
Data File : 1O82675.D
Acq On : 15 Mar 2024 6:43 pm
Operator : jeniferw
Sample : FC14048-1MSD Inst : MSVOA12
Misc : MS56102,V1O2977,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Mar 17 08:52:09 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration





TIC: 1O82675.D\data.ms

(76) 1-Chlorohexane

5.976min (+0.006) 23.83ug/L m

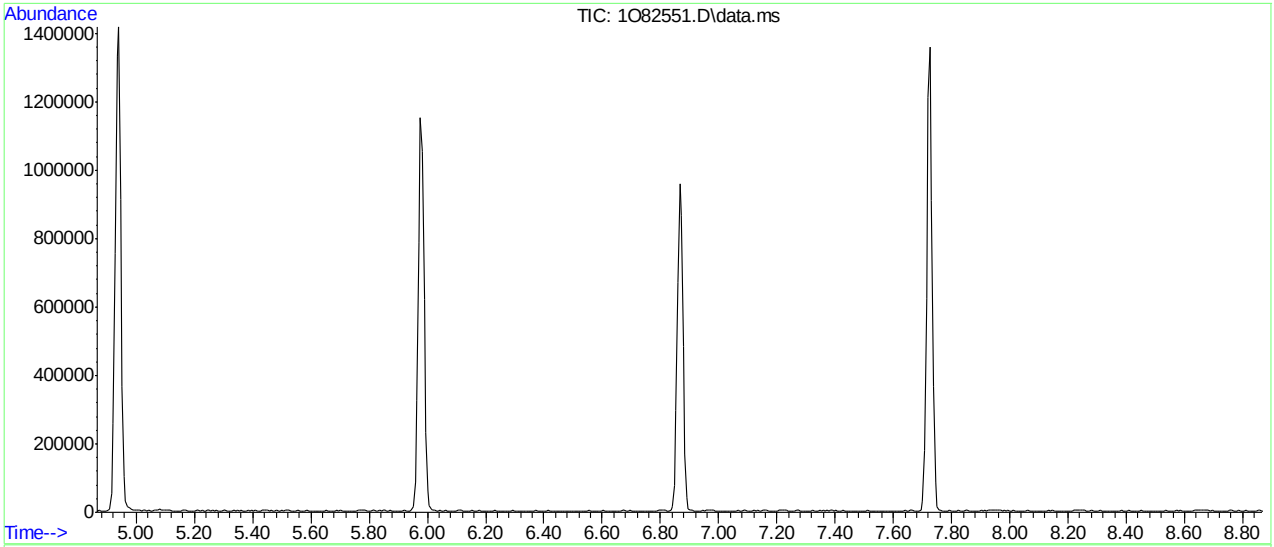
response 88379

Ion	Exp%	Act%
91.00	100	100
55.00	82.50	84.76
41.00	56.60	58.97
43.10	48.60	49.47

Methods: SW-846 8260B

Data File : C:\msdchem\2\data\03-07-2024\1O82551.D Vial: 1
Acq On : 7 Mar 2024 8:01 am Operator: jeniferw
Sample : BFB Inst : MSVOA12
Misc : MS56035,V1O2972,,,,, Multiplr: 1.00
MS Integration Params: big.p

Method : C:\msdchem\2\met...V1O_03-07-2024.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B



AutoFind: Scans 947, 948, 949; Background Corrected with Scan 940

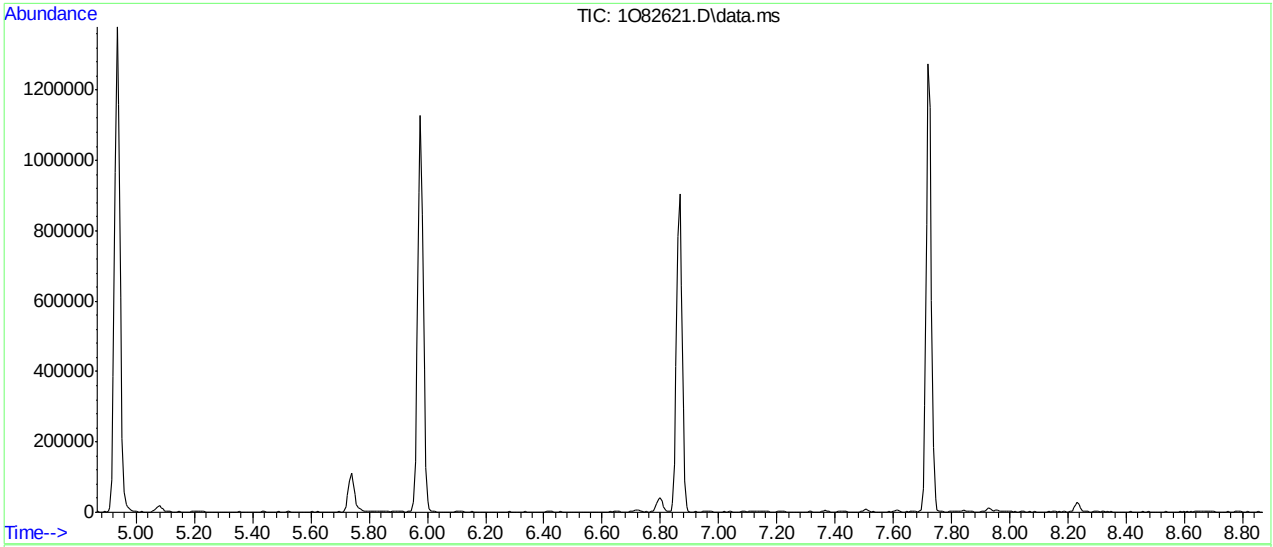
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	95	100	100	100.0	191296	PASS
96	95	5	9	6.5	12382	PASS
173	174	0.00	2	0.8	1023	PASS
174	95	50	200	64.1	122571	PASS
175	174	5	9	7.2	8772	PASS
176	174	95	105	95.1	116595	PASS
177	176	5	10	6.8	7882	PASS

1O82551.D V1O_03-07-2024.M Thu Mar 07 11:48:06 2024

Methods: SW-846 8260B

Data File : C:\msdchem\2\data\03-14-2024\1O82621.D Vial: 1
Acq On : 14 Mar 2024 7:27 am Operator: jeniferw
Sample : BFB Inst : MSVOA12
Misc : MS56076,V1O2976,,,,, Multiplr: 1.00
MS Integration Params: big.p

Method : C:\msdchem\2\met...V1O_03-07-2024.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B



AutoFind: Scans 947, 948, 949; Background Corrected with Scan 940

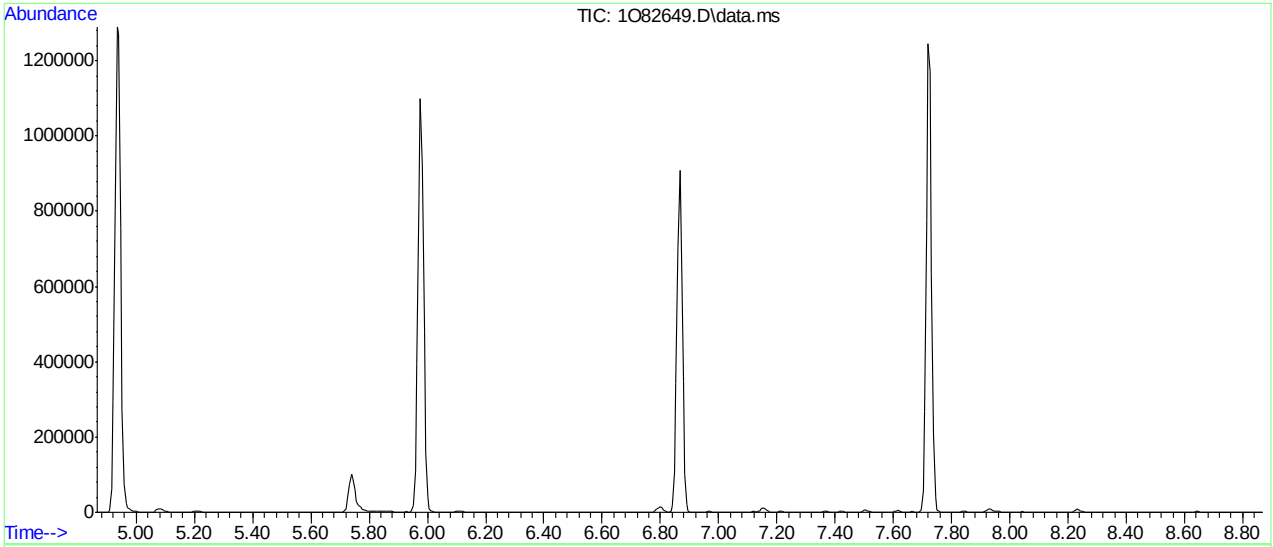
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	95	100	100	100.0	173952	PASS
96	95	5	9	6.6	11523	PASS
173	174	0.00	2	0.9	1089	PASS
174	95	50	200	66.9	116459	PASS
175	174	5	9	7.3	8501	PASS
176	174	95	105	95.6	111387	PASS
177	176	5	10	6.5	7284	PASS

1O82621.D V1O_03-07-2024.M Thu Mar 14 08:08:13 2024

Methods: SW-846 8260B

Data File : C:\msdchem\2\data\03-15-2024\1O82649.D Vial: 1
Acq On : 15 Mar 2024 7:26 am Operator: jeniferw
Sample : BFB Inst : MSVOA12
Misc : MS56094,V1O2977,,,,, Multiplr: 1.00
MS Integration Params: big.p

Method : C:\msdchem\2\met...V1O_03-07-2024.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B



AutoFind: Scans 947, 948, 949; Background Corrected with Scan 940

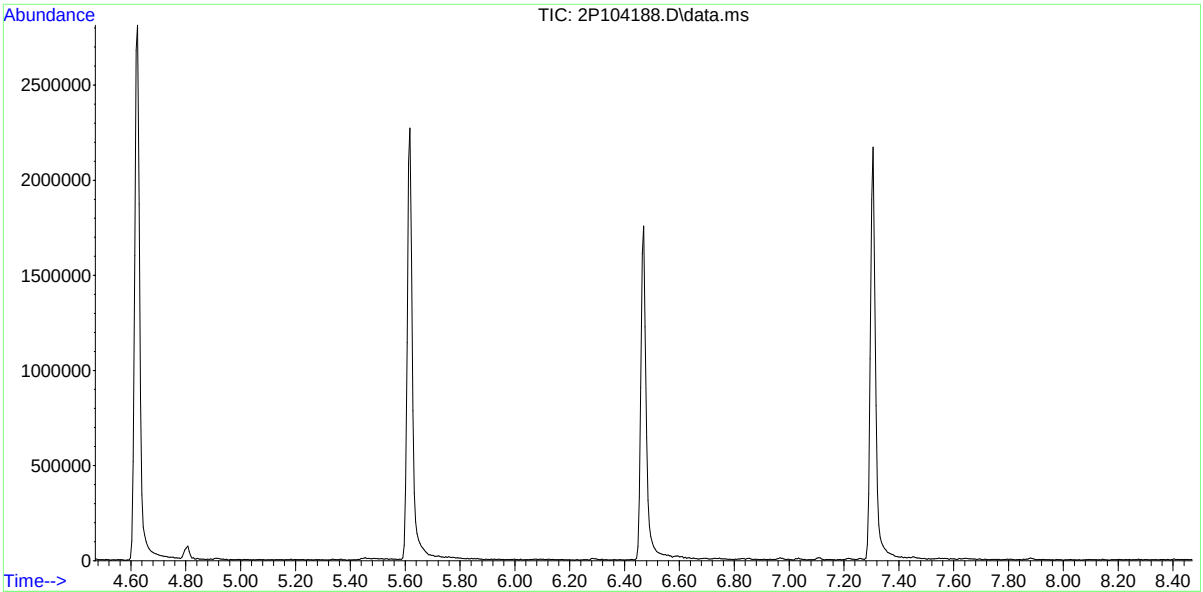
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	95	100	100	100.0	174421	PASS
96	95	5	9	6.6	11464	PASS
173	174	0.00	2	0.8	875	PASS
174	95	50	200	65.7	114555	PASS
175	174	5	9	7.5	8545	PASS
176	174	95	105	96.4	110424	PASS
177	176	5	10	6.5	7155	PASS

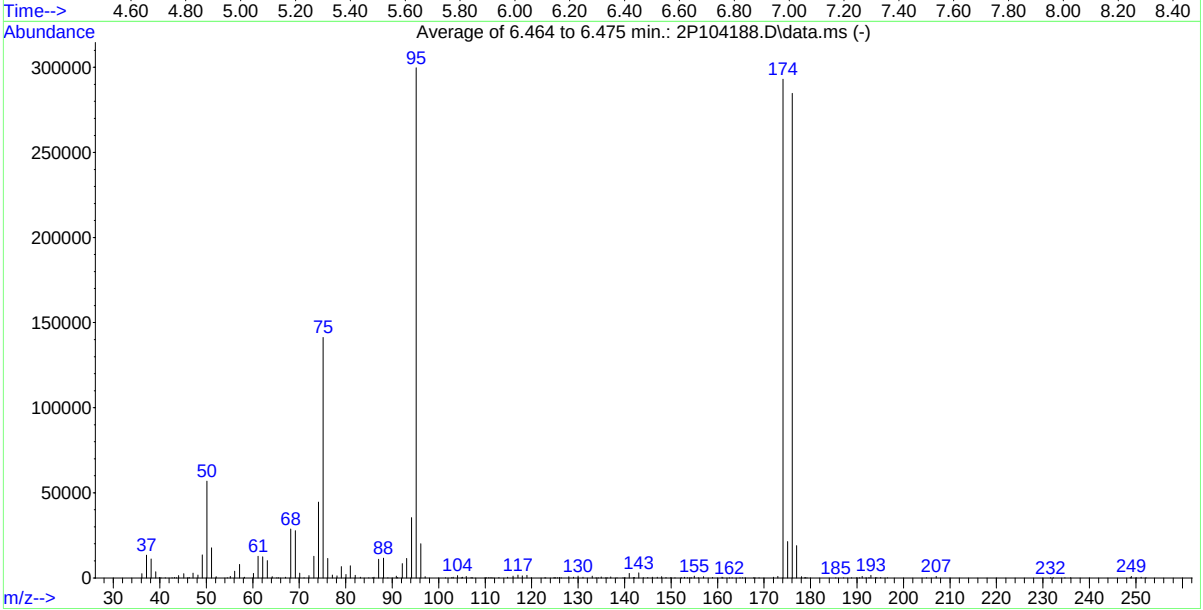
1O82649.D V1O_03-07-2024.M Fri Mar 15 08:34:23 2024

Methods: SW-846 8260B

Data File : C:\msdchem\1\DATA\2024-02-07\2P104188.D Vial: 1
Acq On : 7 Feb 2024 8:30 am Operator: LIANAT
Sample : BFB Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,, Multiplr: 1.00
MS Integration Params: small.p

Method : C:\msdchem\1\MET...\V2P_2024-2-07.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B





AutoFind: Scans 1124, 1125, 1126; Background Corrected with Scan 1114

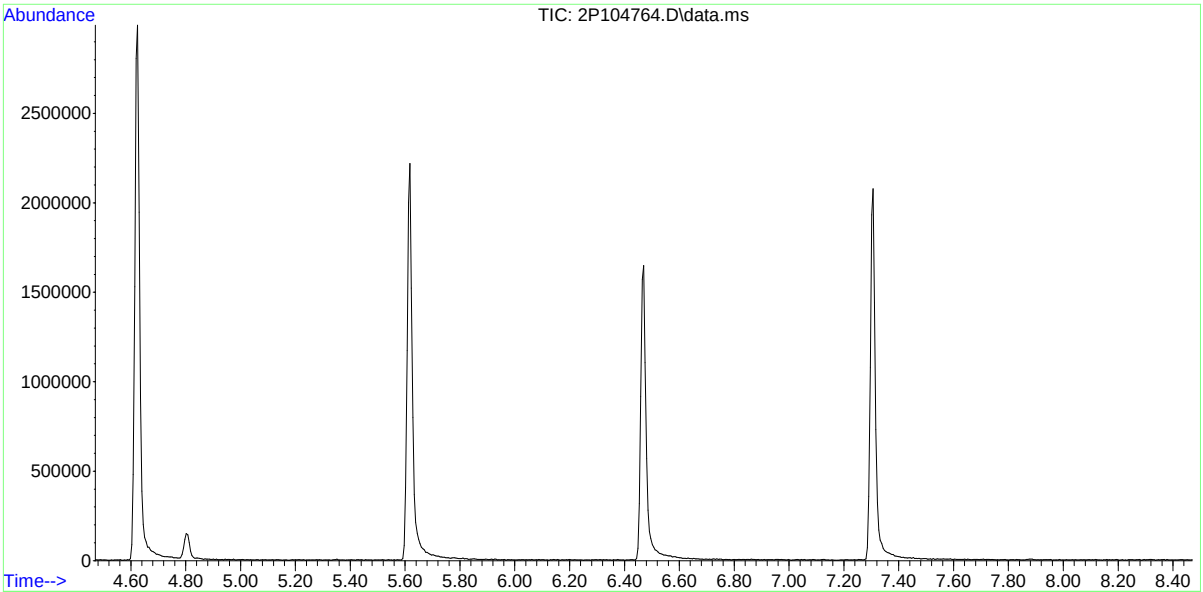
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.0	56896	PASS
75	95	30	60	47.2	141349	PASS
95	95	100	100	100.0	299712	PASS
96	95	5	9	6.7	20005	PASS
173	174	0.00	2	0.3	933	PASS
174	95	50	100	97.8	292970	PASS
175	174	5	9	7.3	21362	PASS
176	174	95	101	97.2	284693	PASS
177	176	5	9	6.6	18928	PASS

2P104188.D V2P_2024-2-07.M Wed Feb 07 15:27:19 2024

Methods: SW-846 8260B

Data File : C:\msdchem\1\DATA\2024-3-14\2P104764.D Vial: 1
Acq On : 14 Mar 2024 8:27 am Operator: lianatr
Sample : BFB Inst : MSVOA13-P
Misc : MS56090,V2P3991,,,,, Multiplr: 1.00
MS Integration Params: small.p

Method : C:\msdchem\1\MET...\V2P_2024-2-07.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B



AutoFind: Scans 1124, 1125, 1126; Background Corrected with Scan 1115

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.9	61768	PASS
75	95	30	60	49.5	146464	PASS
95	95	100	100	100.0	295893	PASS
96	95	5	9	6.6	19667	PASS
173	174	0.00	2	0.2	453	PASS
174	95	50	100	79.8	236202	PASS
175	174	5	9	7.1	16862	PASS
176	174	95	101	95.2	224810	PASS
177	176	5	9	6.6	14811	PASS

2P104764.D V2P_2024-2-07.M Thu Mar 14 11:08:00 2024

Manual Integrations APPROVED (compounds with "m" flag)
Neil Christiana 03/08/24 07:00

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82552.D
Acq On : 7 Mar 2024 8:26 am
Operator : jeniferw
Sample : IC2972-1 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 07 11:48:21 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	3.983	96	742864	50.00	ug/L		0.00
62) Chlorobenzene-d5	5.982	117	498626	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	7.726	152	266150	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	3.513	113	188883	47.02	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 94.04%				
50) 1,2-Dichloroethane-d4	3.818	65	235366	47.28	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 94.56%				
63) Toluene-d8	4.940	98	726200	51.07	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 102.14%				
86) 4-Bromofluorobenzene	6.872	174	190808	50.80	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.60%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.203	85	2688	0.99	ug/L		95
3) Chloromethane	1.355	50	3580	0.89	ug/L		91
4) 1,3-butadiene	1.422	39	4367	1.29	ug/L		82
5) Vinyl Chloride	1.410	62	3622	1.01	ug/L		94
7) Chloroethane	1.721	64	1833	1.60	ug/L		85
8) Trichlorofluoromethane	1.824	101	3700	0.98	ug/L		95
9) Ethyl Ether	2.032	59	2940	0.87	ug/L		91
10) Ethanol	2.129	45	1973	23.18	ug/L		99
11) 1,2-Dichlorotrifluoroe...	2.154	67	5240	1.36	ug/L		92
12) 1,1-Dichloroethene	2.154	61	4766	0.99	ug/L		95
13) Freon 113	2.178	101	2583	0.84	ug/L		95
14) Carbon Disulfide	2.172	76	10878	1.16	ug/L		99
16) Acrolein	2.355	56	6410	5.85	ug/L		88
17) Allyl chloride	2.440	41	4761	1.01	ug/L	#	81
18) Methylene Chloride	2.507	49	13934	2.82	ug/L		85
19) Acetone	2.532	43	9456	4.44	ug/L		89
20) Methyl acetate	2.605	43	20365	3.79	ug/L		97
21) trans-1,2-Dichloroethene	2.599	61	4822	0.96	ug/L		90
22) Hexane	2.647	56	2834	0.87	ug/L	#	81
23) Methyl Tert Butyl Ether	2.666	73	9416	1.05	ug/L		81
24) Tert Butyl Alcohol	2.714	59	8722	8.93	ug/L		85
25) Acetonitrile	2.800	41	12941	16.36	ug/L		95
26) Di-isopropyl ether	2.879	45	10100	0.88	ug/L		92
27) Chloroprene	2.940	53	5077	1.03	ug/L		89
28) 1,1-Dichloroethane	2.958	63	6502	0.99	ug/L		96
29) Acrylonitrile	2.983	52	9067	4.16	ug/L		96
30) ETBE	3.086	59	10584	1.05	ug/L		92
31) Vinyl acetate	3.092	43	34623	4.54	ug/L		94
32) cis-1,2-Dichloroethene	3.257	96	3501	0.99	ug/L	#	82
33) 2,2-Dichloropropane	3.324	77	4797	1.26	ug/L		91
34) Bromochloromethane	3.373	128	1592	0.97	ug/L	#	64
35) Cyclohexane	3.385	56	6260	1.05	ug/L	#	76
36) Chloroform	3.409	83	6211	0.99	ug/L		94
37) Ethyl acetate	3.470	43	25183	4.29	ug/L		96

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82552.D
Acq On : 7 Mar 2024 8:26 am
Operator : jeniferw
Sample : IC2972-1 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 07 11:48:21 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
38) Tetrahydrofuran	3.507	42	1854	0.73	ug/L		92
40) Carbon Tetrachloride	3.501	117	4028	1.06	ug/L	#	86
41) 1,1,1-Trichloroethane	3.538	97	4779	0.99	ug/L		96
42) 2-Butanone	3.580	43	14241	3.95	ug/L		100
43) 1,1-Dichloropropene	3.605	75	4195	0.99	ug/L		94
44) tert-Butyl formate	3.666	59	14591	7.19	ug/L	#	74
45) Propionitrile	3.751	54	10027	8.76	ug/L		96
46) Methacrylonitrile	3.763	41	27939	8.36	ug/L		96
47) Benzene	3.745	78	12622	0.96	ug/L		95
48) TAME	3.806	73	8581	1.10	ug/L		91
49) Isobutyl alcohol	3.842	43	4692	12.98	ug/L		89
51) 1,2-Dichloroethane	3.861	62	4799	0.93	ug/L		89
52) Tert Amyl Alcohol	3.909	59	7552	10.73	ug/L	#	72
53) Trichloroethene	4.080	95	3658	1.02	ug/L		84
54) Methylcyclohexane	4.086	83	4943	1.04	ug/L	#	77
55) Dibromomethane	4.336	93	1991	0.91	ug/L		95
56) 1,2-Dichloropropane	4.397	63	3453	0.97	ug/L		89
57) Bromodichloromethane	4.428	83	4338	1.05	ug/L		92
58) Methyl methacrylate	4.513	41	3631	1.08	ug/L		89
60) 2-Chloroethyl vinyl ether	4.769	63	14746	5.43	ug/L		98
61) cis-1,3-Dichloropropene	4.818	75	5195	1.14	ug/L		95
64) Toluene	4.970	91	13405	1.06	ug/L		97
65) 2-Nitropropane	5.110	41	6042	4.13	ug/L		88
66) 4-Methyl-2-pentanone	5.208	43	23791	4.57	ug/L		94
67) trans-1,3-Dichloropropene	5.232	75	4604	0.99	ug/L		87
68) Tetrachloroethene	5.226	166	2854	0.94	ug/L		96
69) Ethyl methacrylate	5.330	69	4959	1.28	ug/L		89
70) 1,1,2-Trichloroethane	5.342	83	2887	1.07	ug/L		88
71) Dibromochloromethane	5.464	129	2896	0.93	ug/L		95
72) 1,3-Dichloropropane	5.525	76	4951	0.97	ug/L		90
73) 1,2-Dibromoethane	5.629	107	2934	0.96	ug/L		98
74) 3,3-dimethyl-1-butanol	5.744	57	51462	58.79	ug/L		87
75) 2-hexanone	5.769	43	26589	4.74	ug/L		91
76) 1-Chlorohexane	5.976	91	3125	0.80	ug/L	#	34
77) Ethylbenzene	6.007	91	14531	1.07	ug/L		97
78) Chlorobenzene	5.994	112	8042	0.97	ug/L		73
79) 1,1,1,2-Tetrachloroethane	6.037	131	2748	1.05	ug/L		99
80) m,p-Xylene	6.110	91	22545	2.16	ug/L		98
81) o-Xylene	6.421	91	12145	1.18	ug/L		93
82) Styrene	6.464	104	8493	1.01	ug/L		96
83) Bromoform	6.482	173	1444	0.72	ug/L		88
84) Isopropylbenzene	6.659	105	13103	1.14	ug/L		97
87) cis-1,4-Dichloro-2-butene	6.915	53	1732	1.10	ug/L	#	70
88) n-Propylbenzene	6.970	91	16821	1.20	ug/L		94
89) Bromobenzene	6.951	156	2966	1.01	ug/L		91
90) 1,1,2,2-Tetrachloroethane	7.019	83	4719	1.00	ug/L		98
91) 1,3,5-Trimethylbenzene	7.122	105	11019	1.17	ug/L		98
92) 2-Chlorotoluene	7.092	91	11390	1.17	ug/L		96
93) trans-1,4-Dichloro-2-B...	7.159	53	1734	1.28	ug/L	#	72
95) Cyclohexanone	7.159	55	1938	7.25	ug/L	#	70

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82552.D
Acq On : 7 Mar 2024 8:26 am
Operator : jeniferw
Sample : IC2972-1 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 07 11:48:21 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration

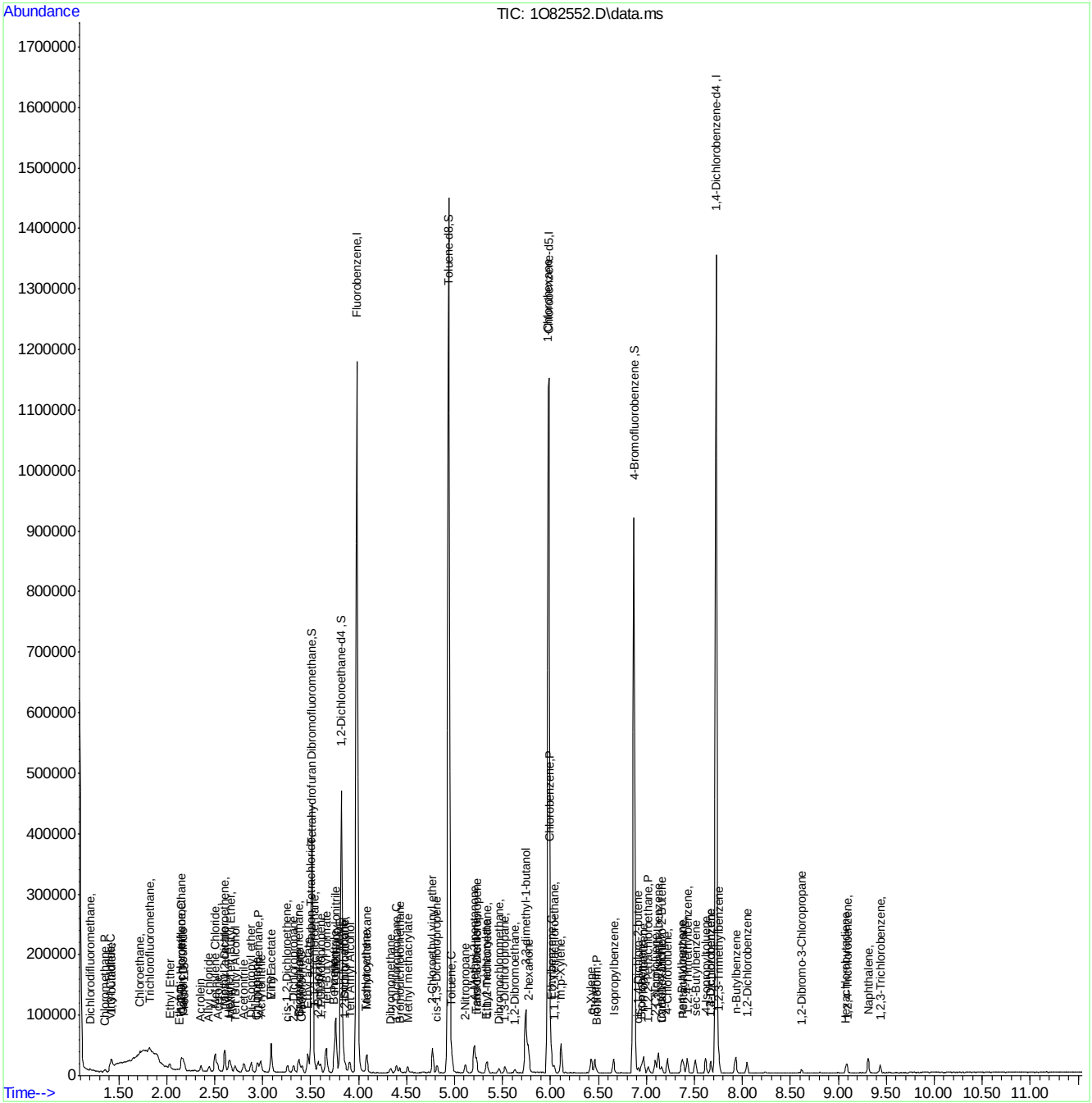
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
96) 4-Chlorotoluene	7.220	91	10485	1.13	ug/L		90
97) tert-Butylbenzene	7.372	91	6478	1.22	ug/L		94
99) 1,2,4-Trimethylbenzene	7.427	105	10851	1.04	ug/L		93
100) Pentachloroethane	7.384	167	1222	0.83	ug/L	#	67
101) sec-Butylbenzene	7.512	105	13124	1.20	ug/L		96
102) 4-Isopropyltoluene	7.616	119	11128	1.10	ug/L		98
103) 1,3-Dichlorobenzene	7.671	146	5831	0.99	ug/L		94
104) 1,2,3-Trimethylbenzene	7.756	105	11710	1.15	ug/L		90
105) 1,4-Dichlorobenzene	7.671	146	5831	0.95	ug/L		93
106) n-Butylbenzene	7.933	92	5717	1.00	ug/L	#	84
108) 1,2-Dichlorobenzene	8.049	146	5383	0.95	ug/L		96
109) 1,2-Dibromo-3-Chloropr...	8.616	75	1025	0.97	ug/L	#	76
110) Hexachlorobutadiene	9.073	225	1185	1.01	ug/L		94
111) 1,2,4-Trichlorobenzene	9.091	180	3461	1.05	ug/L		97
112) Naphthalene	9.311	128	13093	0.99	ug/L		98
113) 1,2,3-Trichlorobenzene	9.439	180	2953	0.94	ug/L		96

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\2\data\03-07-2024\
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Acq On : 7 Mar 2024 8:26 am
Operator : jeniferw
Sample : IC2972-1 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 07 11:48:21 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration



Manual Integration Approval Summary

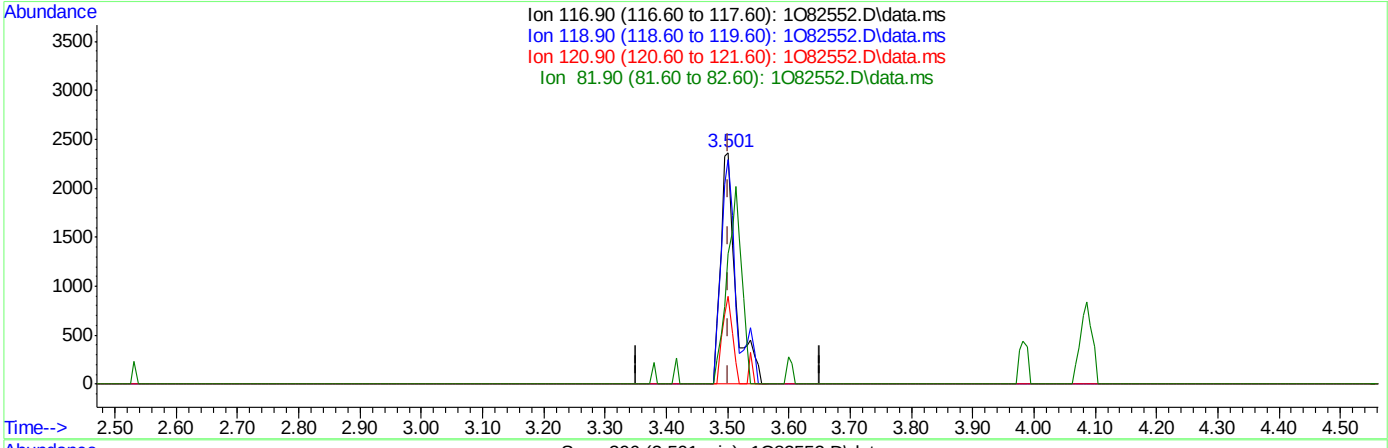
Sample Number: V1O2972-IC2972
Lab FileID: 1O82552.D
Injection Time: 03/07/24 08:26
Method: SW846 8260D
Analyst approved: 03/07/24 13:55 Jenifer Willis
Supervisor approved: 03/08/24 07:00 Neil Christiana

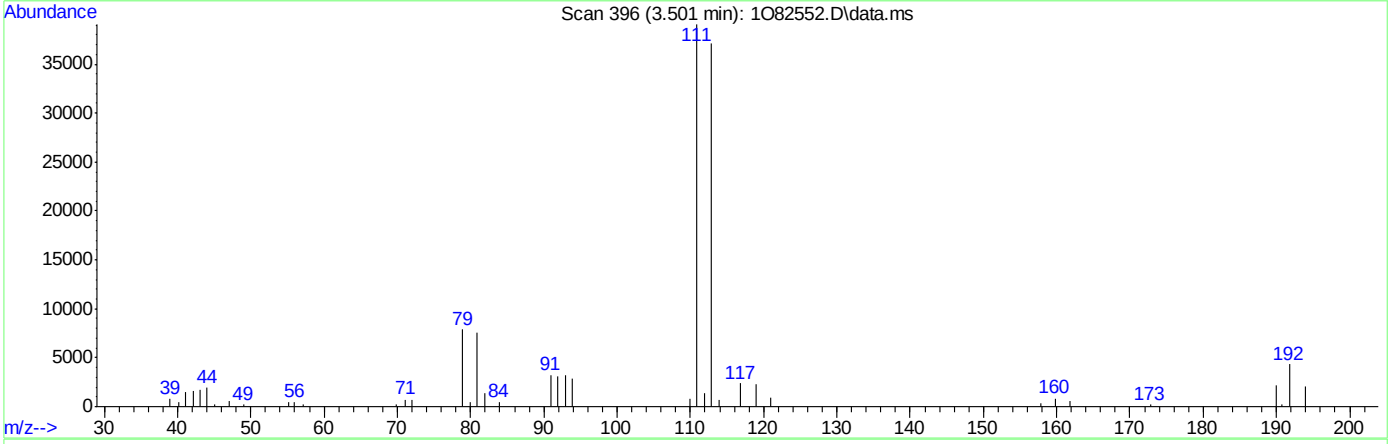
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.50	Overlapping peak
Isobutyl Alcohol	78-83-1		3.84	Poorly defined baseline
1,4-Dioxane	123-91-1		4.56	Missed peak
1-Chlorohexane	544-10-5		5.98	Poorly defined baseline
1,2,3-Trichloropropane	96-18-4		7.13	Missed peak
1,4-Dichlorobenzene	106-46-7		7.74	Missed peak
Benzyl Chloride	100-44-7		7.92	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82552.D
Acq On : 7 Mar 2024 8:26 am
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Sample : IC2972-1 Inst : MSVOA12
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Quant Time: Mar 07 11:48:21 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration





TIC: 1O82552.D\data.ms

(40) Carbon Tetrachloride ( )

3.501min (-0.000) 1.06ug/L

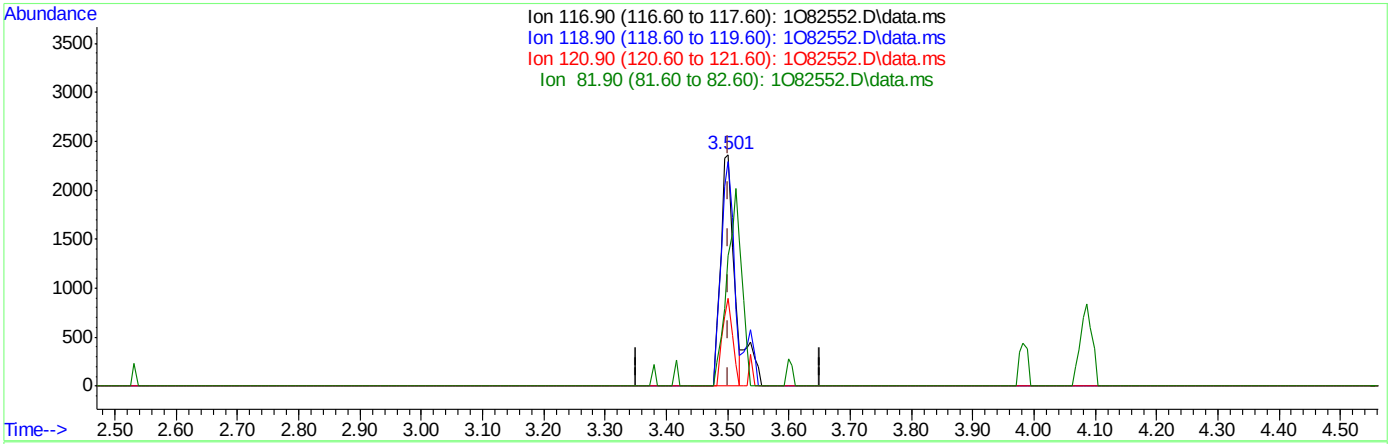
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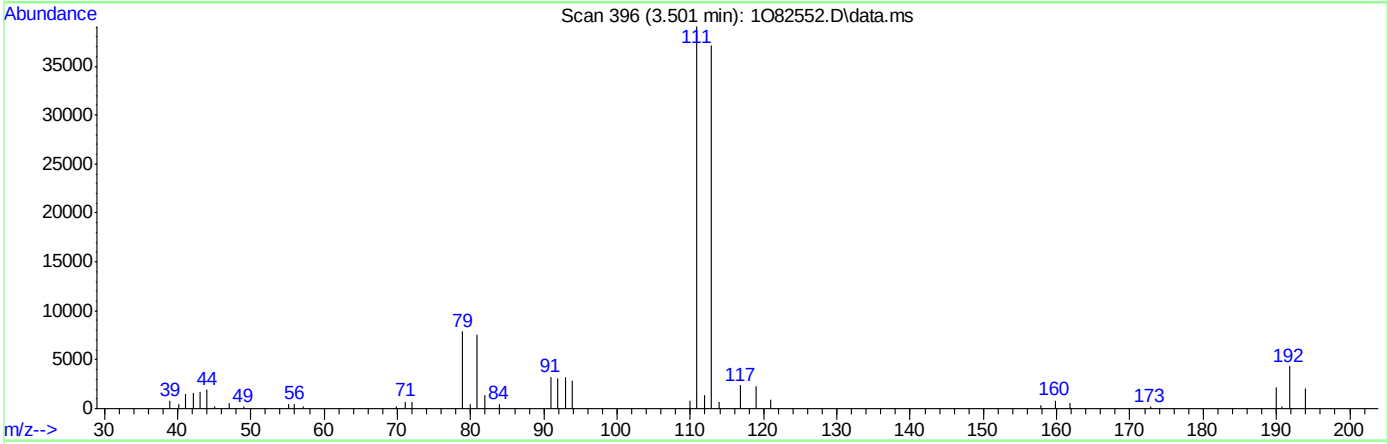
Ion	Exp%	Act%
116.90	100	100
118.90	99.30	96.96
120.90	31.50	38.08
81.90	24.40	56.13#

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82552.D
Acq On : 7 Mar 2024 8:26 am
Operator : jeniferw
Sample : IC2972-1 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 07 11:48:21 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration





TIC: 1O82552.D\data.ms

(40) Carbon Tetrachloride ( )

3.501min (-0.000) 0.90ug/L m

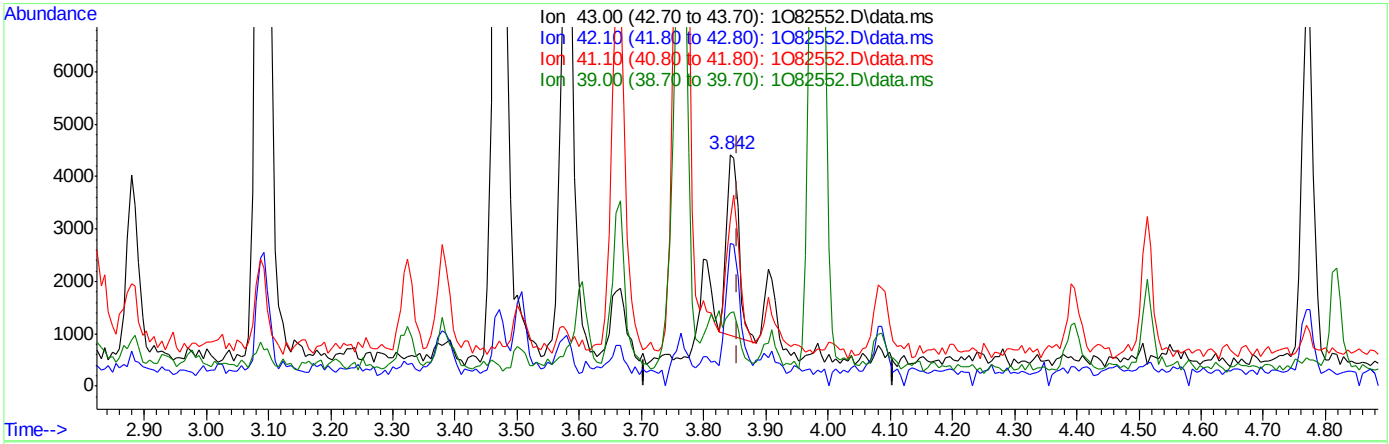
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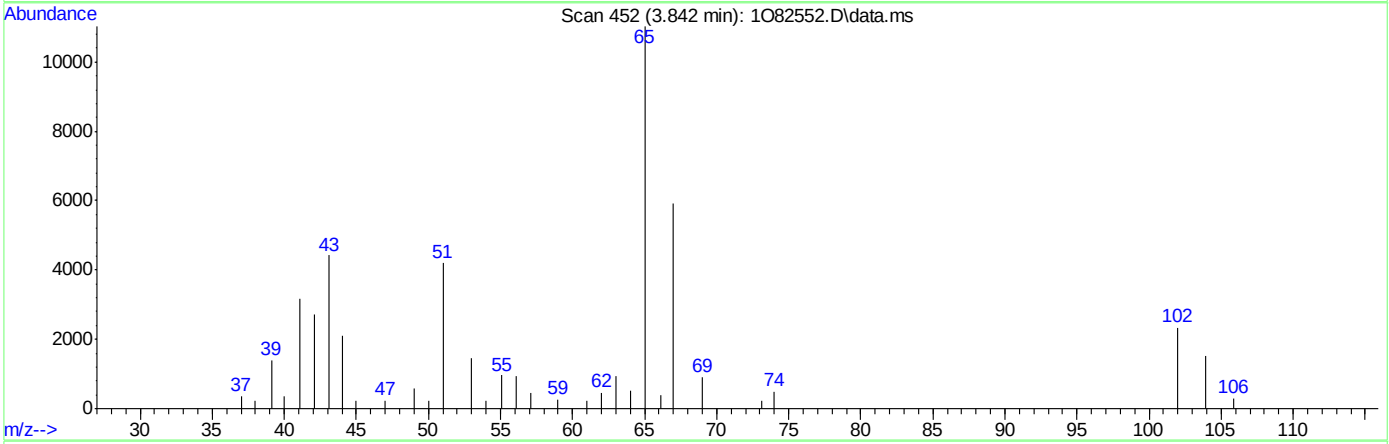
Ion	Exp%	Act%
116.90	100	100
118.90	99.30	96.96
120.90	31.50	38.08
81.90	24.40	56.13#

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82552.D
Acq On : 7 Mar 2024 8:26 am
Operator : jeniferw
Sample : IC2972-1 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 07 11:48:21 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration





TIC: 1O82552.D\data.ms

(49) Isobutyl alcohol

3.842min (-0.012) 12.98ug/L

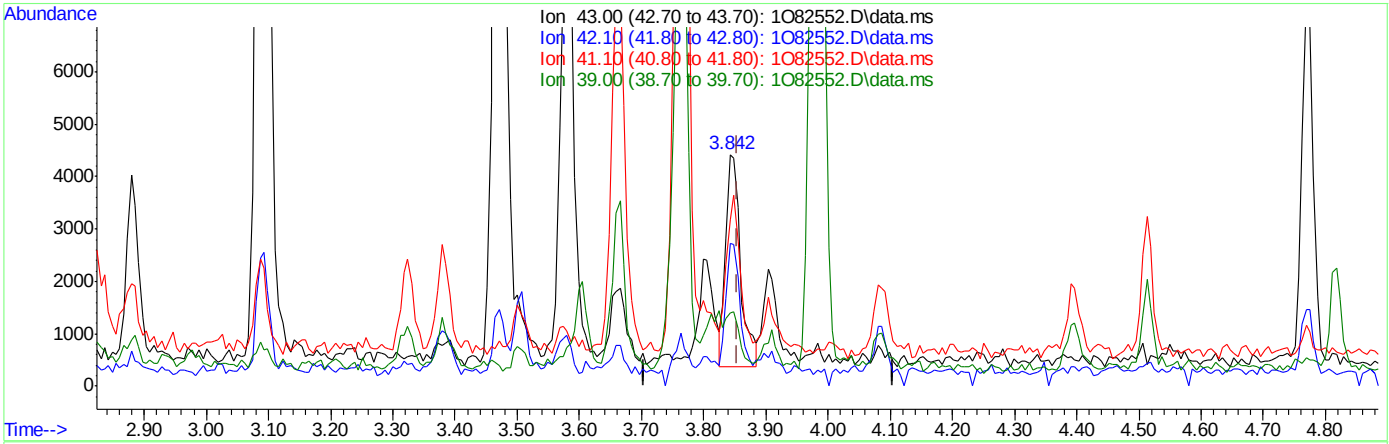
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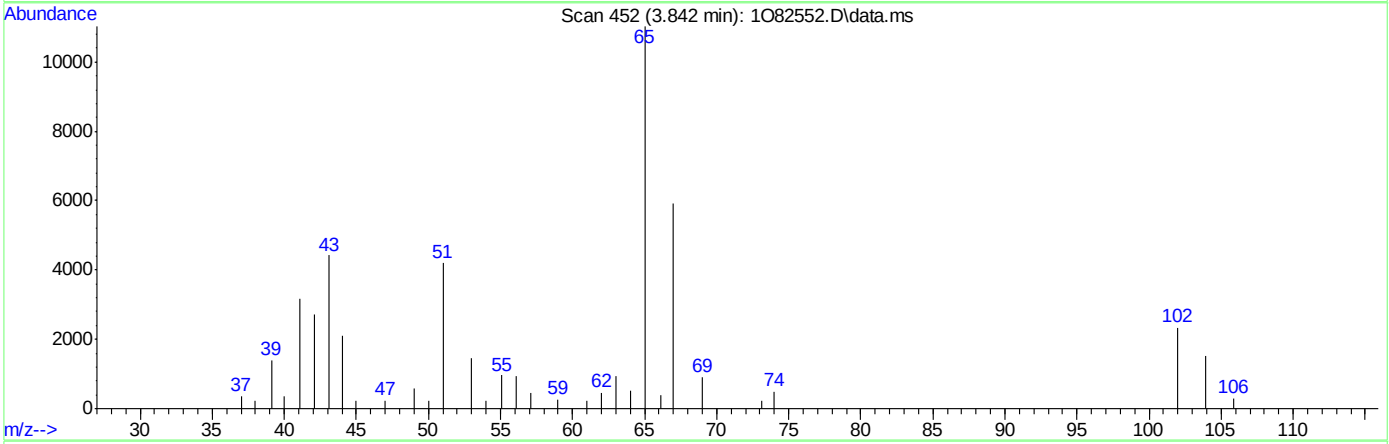
Ion	Exp%	Act%
43.00	100	100
42.10	58.50	64.60
41.10	77.50	64.60
39.00	31.30	26.15

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82552.D
Acq On : 7 Mar 2024 8:26 am
Operator : jeniferw
Sample : IC2972-1 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 07 11:48:21 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration





TIC: 1O82552.D\data.ms

(49) Isobutyl alcohol

3.842min (-0.012) 18.60ug/L m

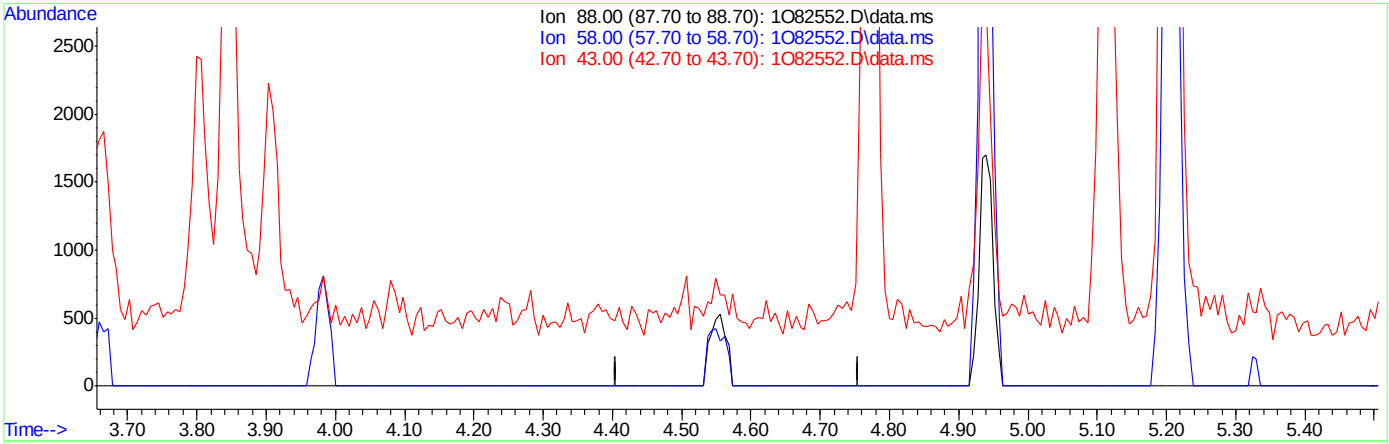
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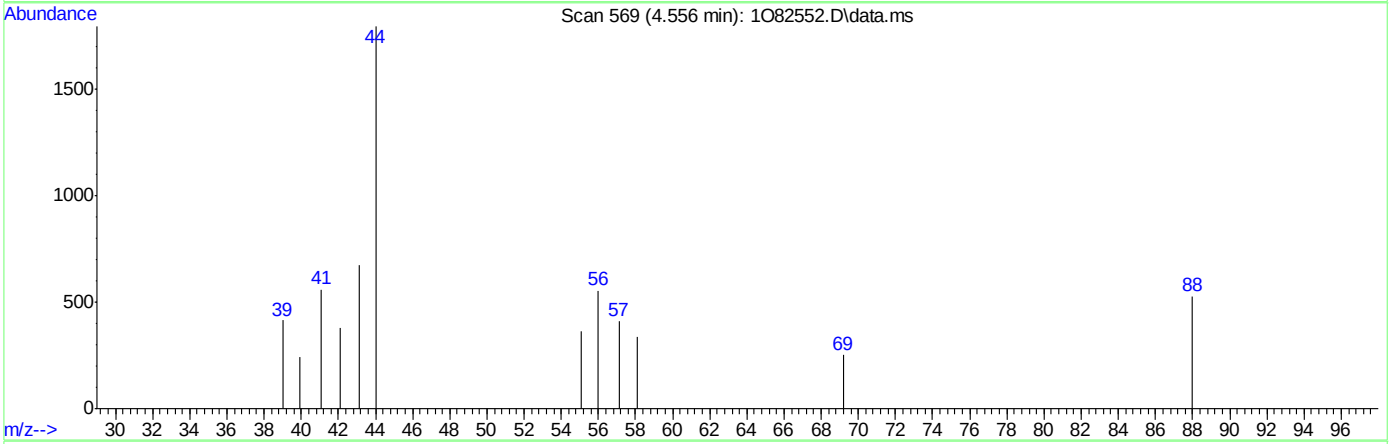
Ion	Exp%	Act%
43.00	100	100
42.10	58.50	61.56
41.10	77.50	72.03
39.00	31.30	31.71

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82552.D
Acq On : 7 Mar 2024 8:26 am
Operator : jeniferw
Sample : IC2972-1 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 07 11:48:21 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration





TIC: 1O82552.D\data.ms

(59) 1,4-Dioxane

4.556min (-4.556) 0.00ug/L

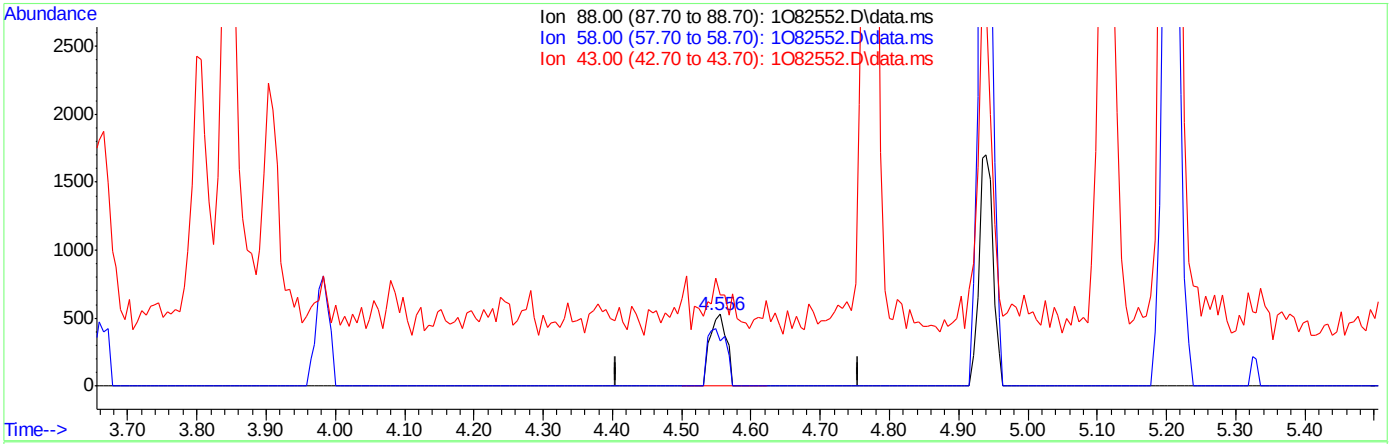
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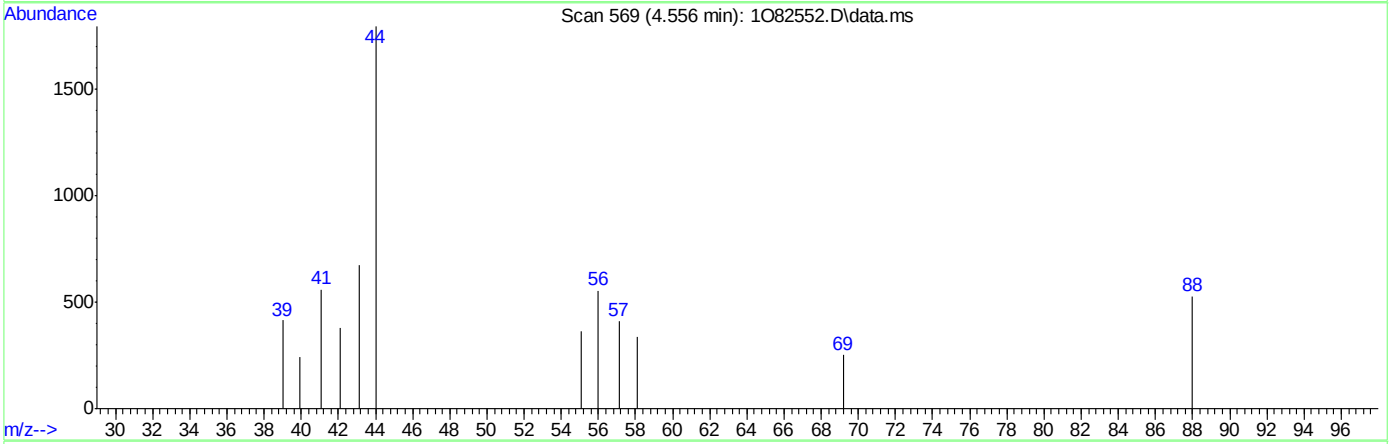
Ion	Exp%	Act%
88.00	100	0.00
58.00	61.20	0.00#
43.00	21.40	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82552.D
Acq On : 7 Mar 2024 8:26 am
Operator : jeniferw
Sample : IC2972-1 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 07 11:48:21 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration





TIC: 1O82552.D\data.ms

(59) 1,4-Dioxane

4.556min (-0.000) 12.08ug/L m

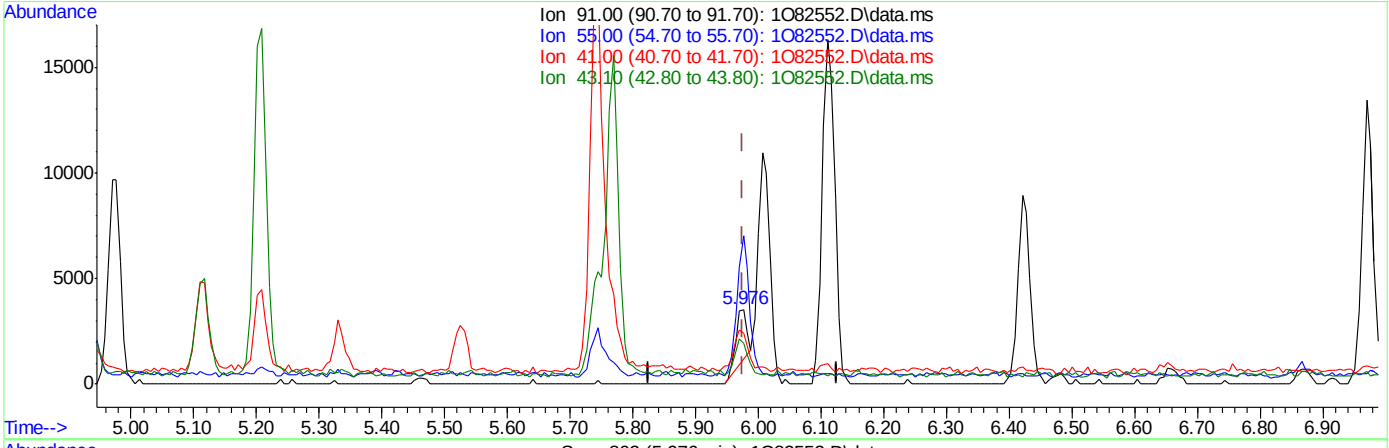
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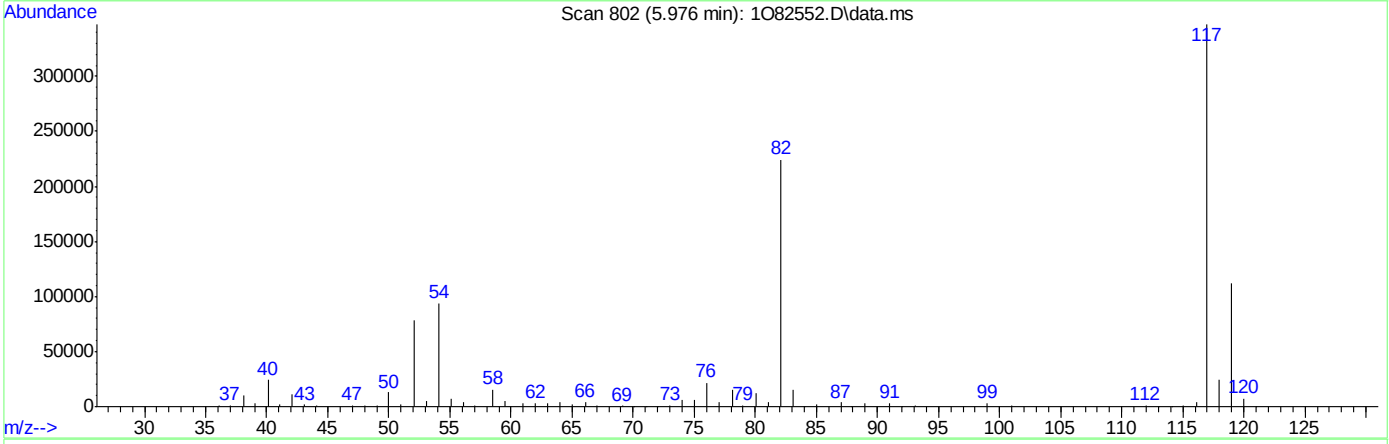
Ion	Exp%	Act%
88.00	100	100
58.00	61.20	63.95
43.00	21.40	127.51#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82552.D
Acq On : 7 Mar 2024 8:26 am
Operator : jeniferw
Sample : IC2972-1 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
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Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
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Response via : Initial Calibration





TIC: 1O82552.D\data.ms

(76) 1-Chlorohexane

5.976min (-0.000) 0.80ug/L

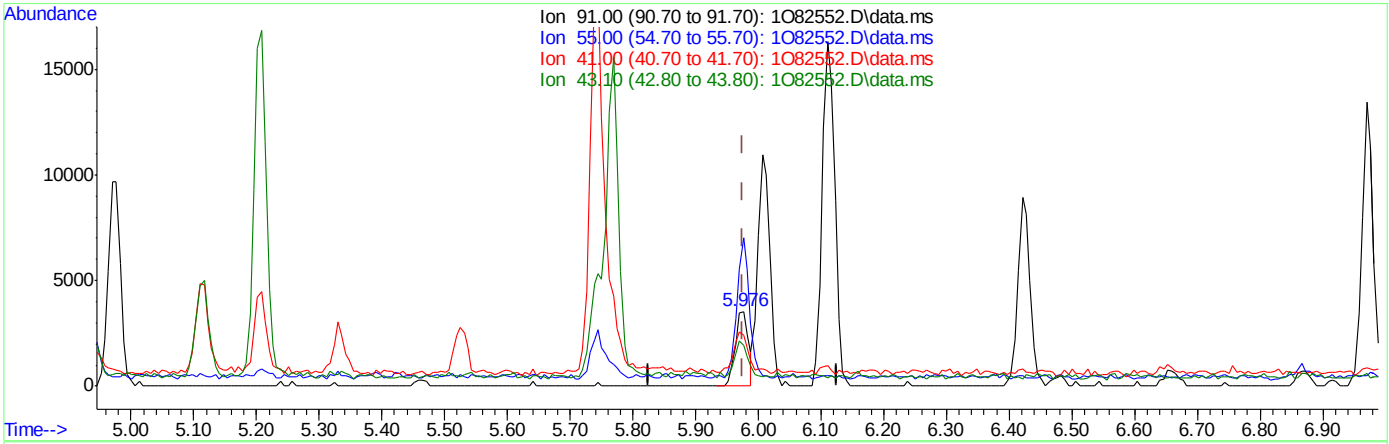
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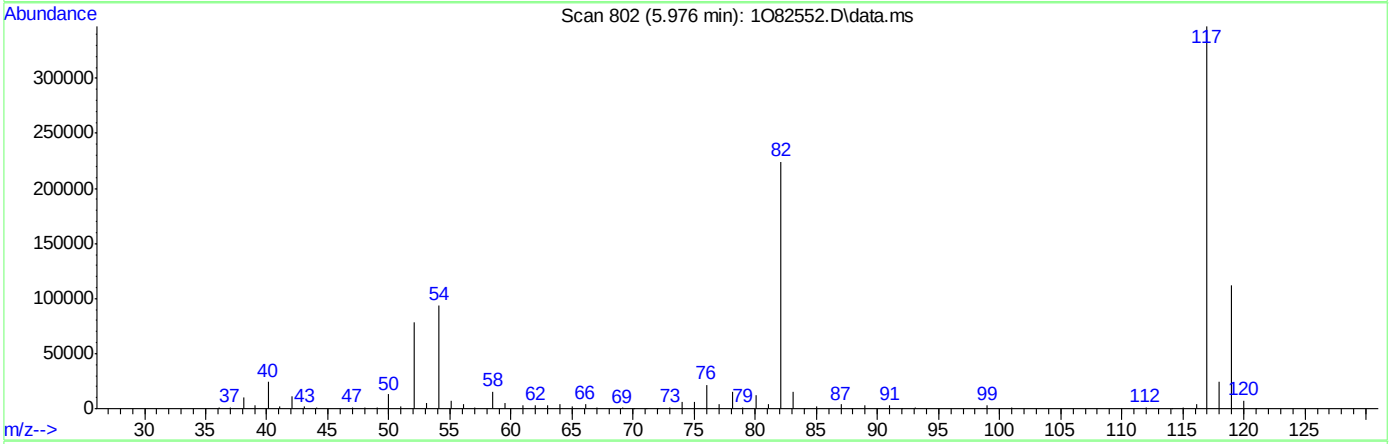
Ion	Exp%	Act%
91.00	100	100
55.00	67.60	187.33#
41.00	55.00	44.37
43.10	42.40	41.04

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82552.D
Acq On : 7 Mar 2024 8:26 am
Operator : jeniferw
Sample : IC2972-1 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 07 11:48:21 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration





TIC: 1O82552.D\data.ms

(76) 1-Chlorohexane

5.976min (-0.000) 1.34ug/L m

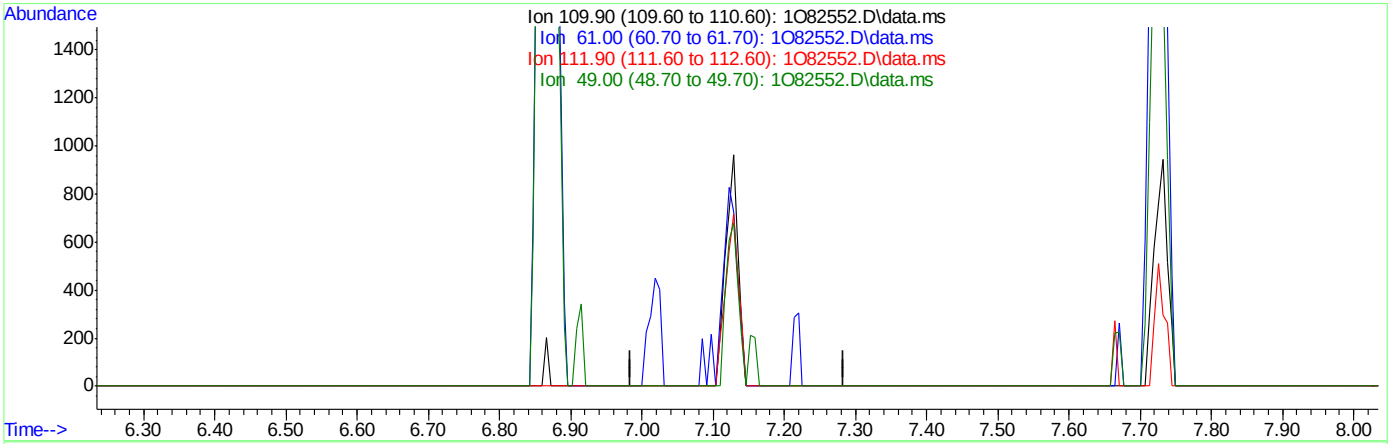
response 5205

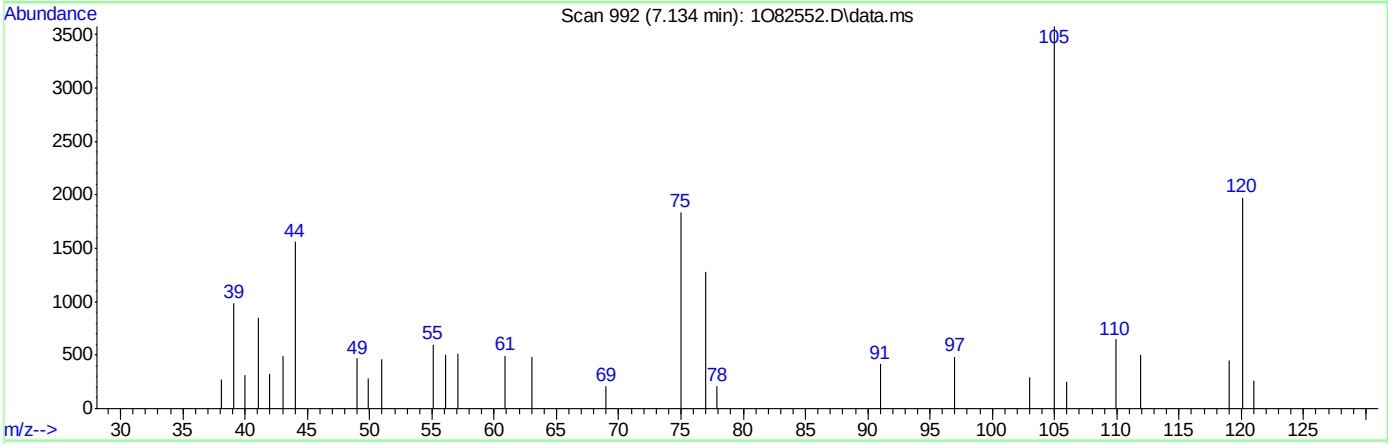
Ion	Exp%	Act%
91.00	100	100
55.00	67.60	198.95#
41.00	55.00	68.58
43.10	42.40	53.99

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82552.D
Acq On : 7 Mar 2024 8:26 am
Operator : jeniferw
Sample : IC2972-1 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 07 11:48:21 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration





TIC: 1O82552.D\data.ms

(94) 1,2,3-Trichloropropane ( )

7.134min (-7.134) 0.00ug/L

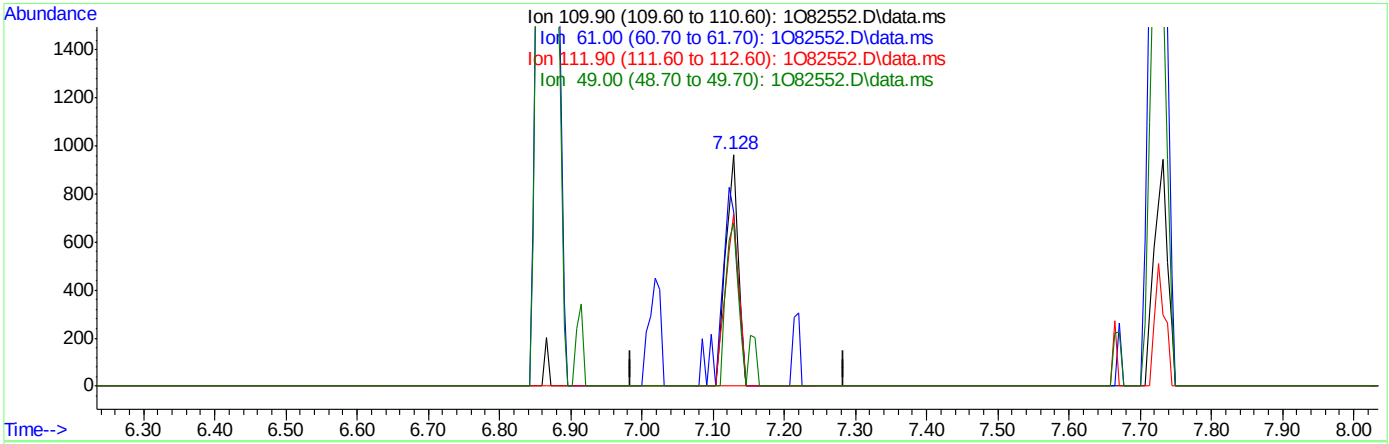
response 0

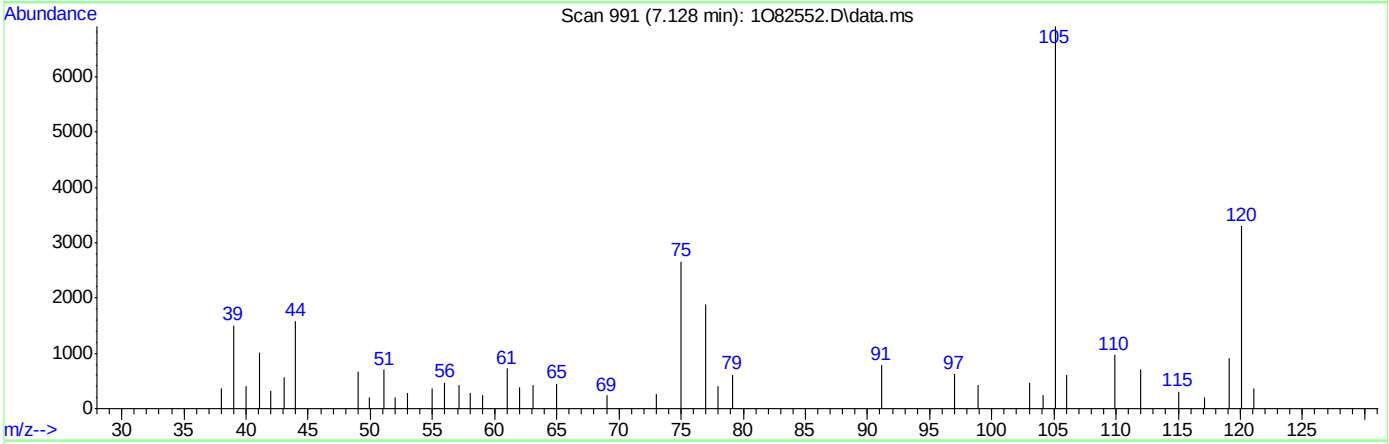
Ion	Exp%	Act%
109.90	100	0.00
61.00	61.70	0.00#
111.90	63.30	0.00#
49.00	43.30	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82552.D
Acq On : 7 Mar 2024 8:26 am
Operator : jeniferw
Sample : IC2972-1 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 07 11:48:21 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration





TIC: 1O82552.D\data.ms

(94) 1,2,3-Trichloropropane ( )

7.128min (-0.006) 0.89ug/L m

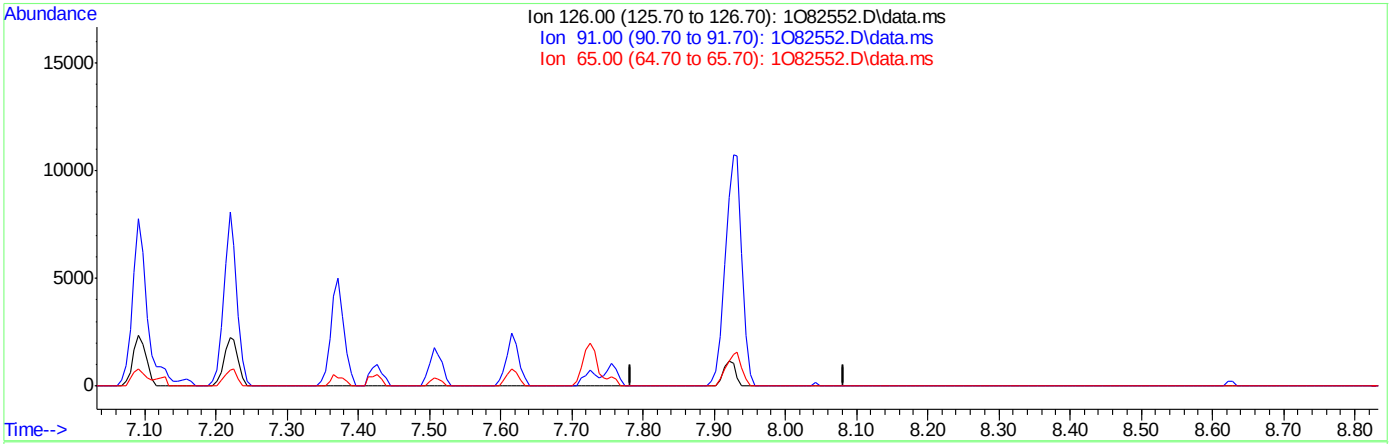
response 1228

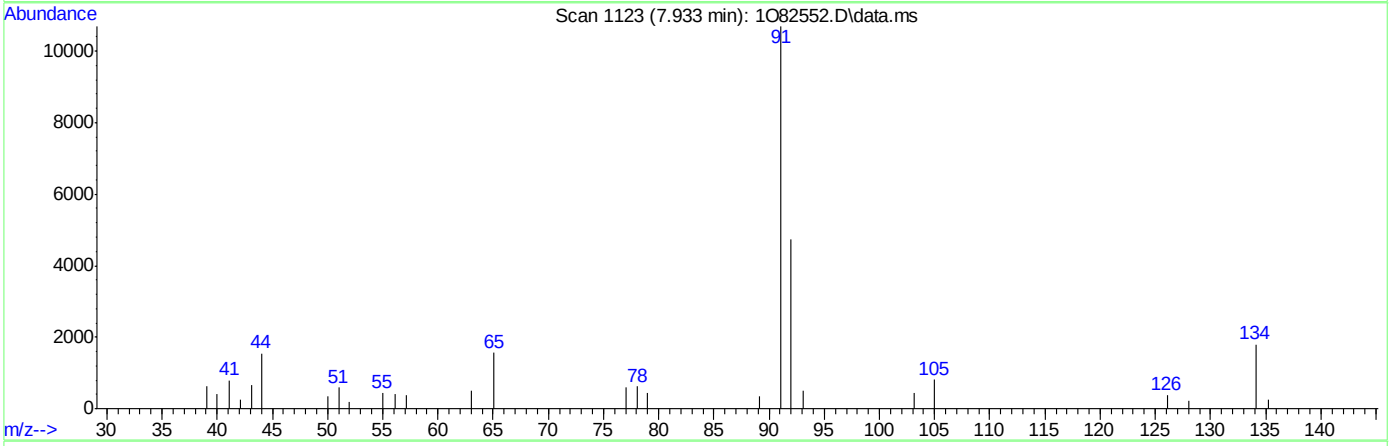
Ion	Exp%	Act%
109.90	100	100
61.00	61.70	75.10
111.90	63.30	74.27
49.00	43.30	70.12

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82552.D
Acq On : 7 Mar 2024 8:26 am
Operator : jeniferw
Sample : IC2972-1 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 07 11:48:21 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration





TIC: 1O82552.D\data.ms

(107) Benzyl Chloride

7.933min (-7.933) 0.00ug/L

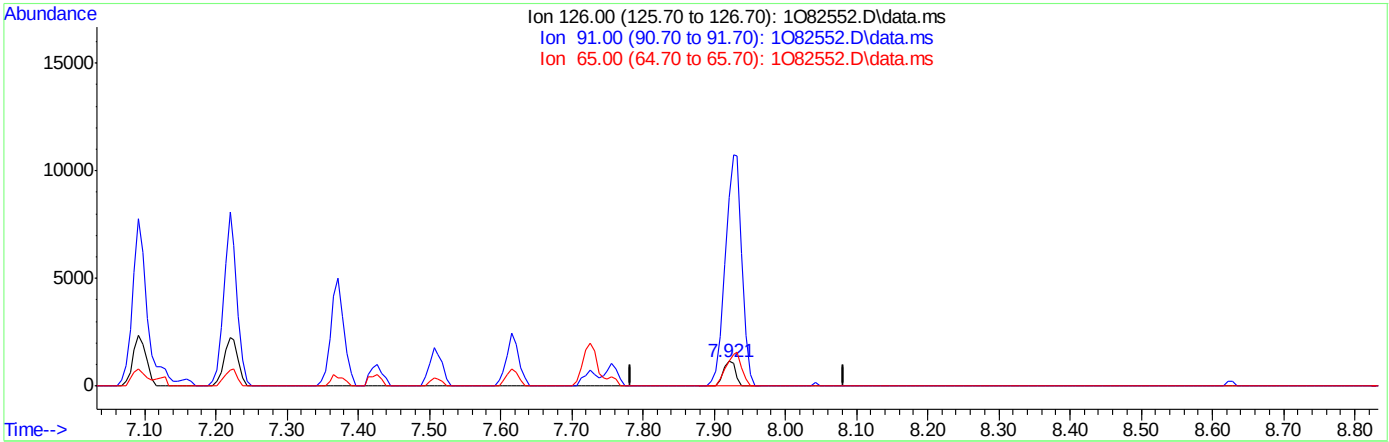
response 0

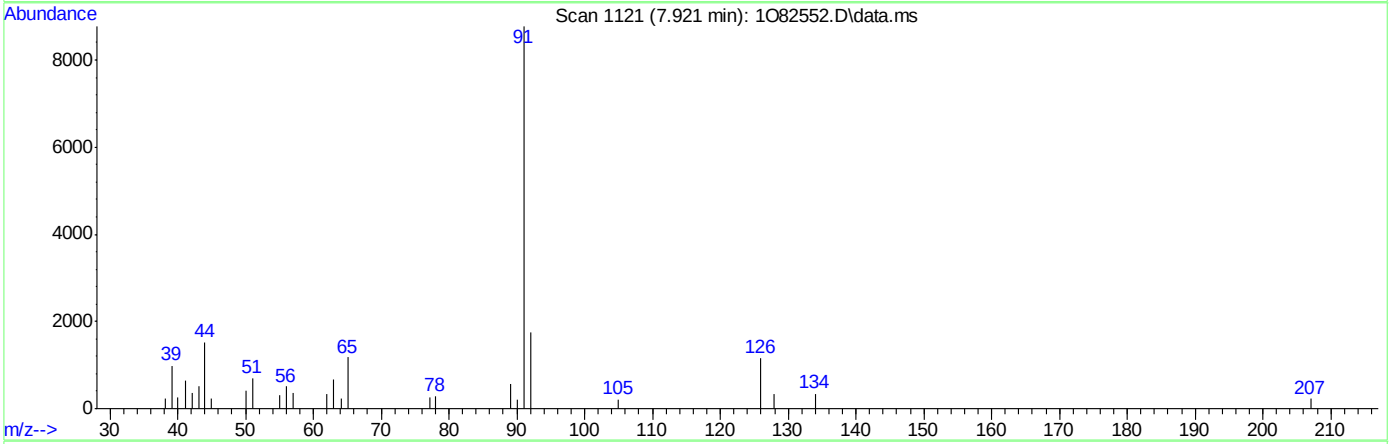
Ion	Exp%	Act%
126.00	100	0.00
91.00	830.20	0.00#
65.00	105.30	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82552.D
Acq On : 7 Mar 2024 8:26 am
Operator : jeniferw
Sample : IC2972-1 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 07 11:48:21 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration





TIC: 1O82552.D\data.ms

(107) Benzyl Chloride

7.921min (-0.012) 1.44ug/L m

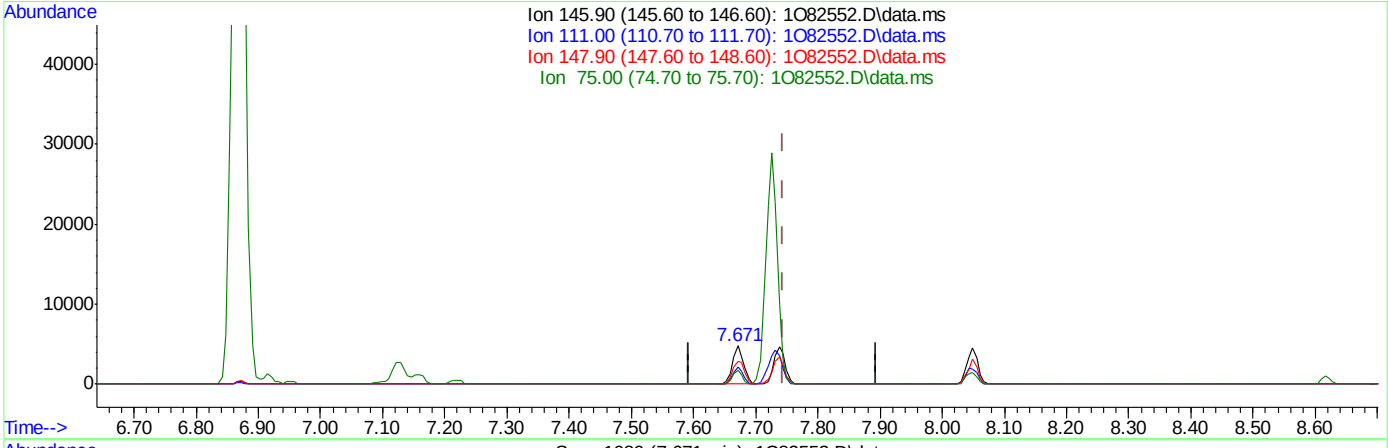
response 1405

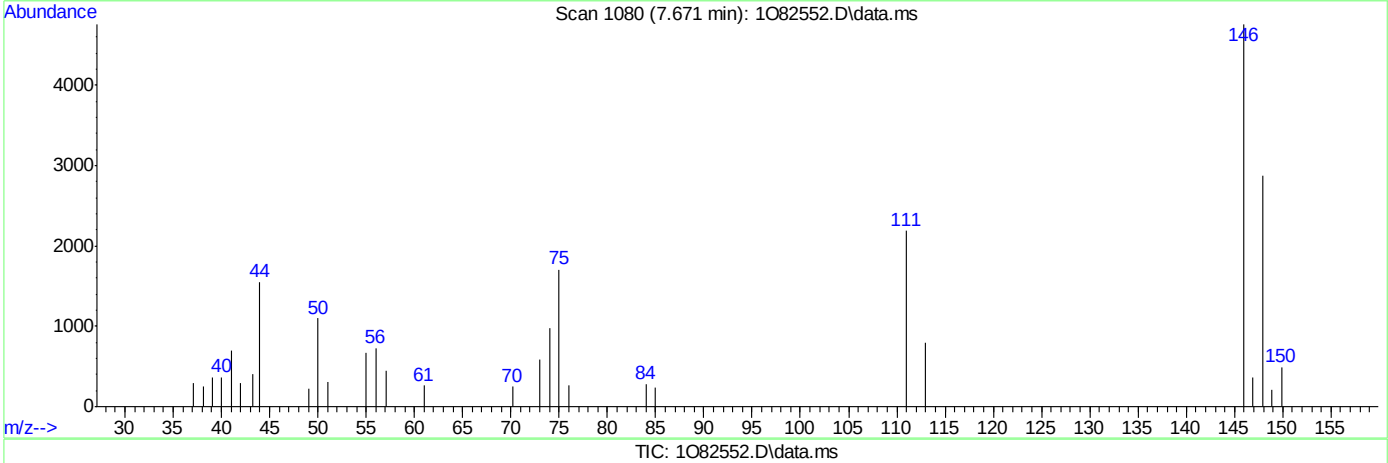
Ion	Exp%	Act%
126.00	100	100
91.00	830.20	756.69#
65.00	105.30	101.47
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82552.D
Acq On : 7 Mar 2024 8:26 am
Operator : jeniferw
Sample : IC2972-1 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 07 11:48:21 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration





TIC: 1O82552.D\data.ms

(105) 1,4-Dichlorobenzene

7.671min (-0.073) 0.95ug/L

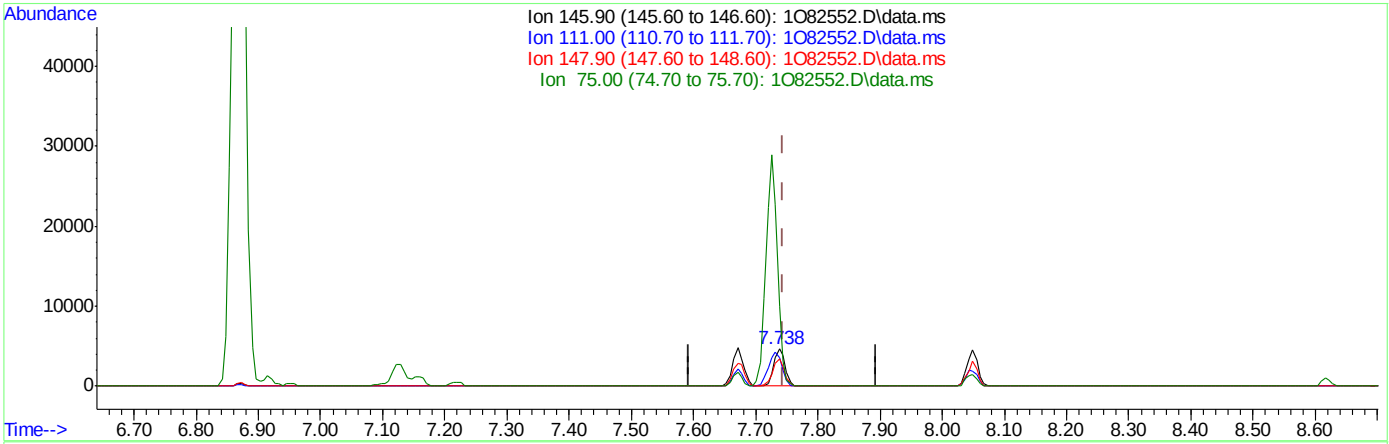
response 5831

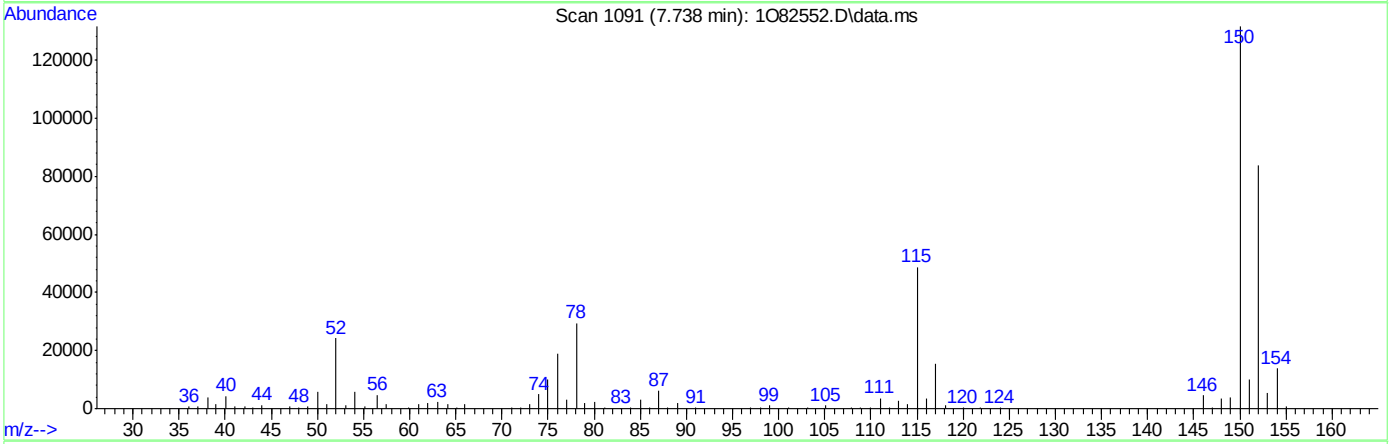
Ion	Exp%	Act%
145.90	100	100
111.00	40.40	45.94
147.90	64.50	60.28
75.00	30.90	35.91

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82552.D
Acq On : 7 Mar 2024 8:26 am
Operator : jeniferw
Sample : IC2972-1 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 07 11:48:21 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration





TIC: 1O82552.D\data.ms

(105) 1,4-Dichlorobenzene

7.738min (-0.006) 0.97ug/L m

response 5942

Ion	Exp%	Act%
145.90	100	100
111.00	40.40	77.58#
147.90	64.50	74.17
75.00	30.90	215.57#

Manual Integrations APPROVED (compounds with "m" flag)
Neil Christiana 03/08/24 07:00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82553.D
Acq On : 7 Mar 2024 8:52 am
Operator : jeniferw
Sample : IC2972-8 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 07 11:51:16 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	3.983	96	739116	50.00	ug/L		0.00
62) Chlorobenzene-d5	5.982	117	498753	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	7.726	152	267852	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	3.513	113	190388	47.63	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 95.26%				
50) 1,2-Dichloroethane-d4	3.818	65	238295	48.11	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 96.22%				
63) Toluene-d8	4.940	98	721865	50.75	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 101.50%				
86) 4-Bromofluorobenzene	6.872	174	187714	49.65	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.30%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.203	85	5276	1.96	ug/L		90
3) Chloromethane	1.349	50	6863	1.72	ug/L		88
4) 1,3-butadiene	1.422	39	8112	2.41	ug/L		94
5) Vinyl Chloride	1.410	62	6970	1.96	ug/L		98
6) Bromomethane	1.642	94	1415	1.39	ug/L		80
7) Chloroethane	1.721	64	2870	2.52	ug/L		78
8) Trichlorofluoromethane	1.818	101	7716	2.04	ug/L		84
9) Ethyl Ether	2.032	59	5942	1.76	ug/L		90
10) Ethanol	2.135	45	4130	48.76	ug/L		98
11) 1,2-Dichlorotrifluoroe...	2.154	67	7872	2.06	ug/L	#	87
12) 1,1-Dichloroethene	2.154	61	9135	1.91	ug/L		97
13) Freon 113	2.178	101	4383	1.43	ug/L		90
14) Carbon Disulfide	2.172	76	18978	2.03	ug/L		99
15) Iodomethane	2.245	142	449m	0.54	ug/L		
16) Acrolein	2.355	56	11553	10.59	ug/L		98
17) Allyl chloride	2.440	41	9334	1.99	ug/L		88
18) Methylene Chloride	2.507	49	17785	3.62	ug/L		91
19) Acetone	2.532	43	15842	7.48	ug/L		89
20) Methyl acetate	2.605	43	40836	7.64	ug/L		97
21) trans-1,2-Dichloroethene	2.599	61	9460	1.89	ug/L		88
22) Hexane	2.647	56	5082	1.56	ug/L	#	87
23) Methyl Tert Butyl Ether	2.666	73	18390	2.06	ug/L		78
24) Tert Butyl Alcohol	2.715	59	18842	19.38	ug/L		86
25) Acetonitrile	2.800	41	20384	25.91	ug/L		97
26) Di-isopropyl ether	2.879	45	20112	1.76	ug/L		93
27) Chloroprene	2.940	53	9878	2.01	ug/L		89
28) 1,1-Dichloroethane	2.952	63	12225	1.88	ug/L		98
29) Acrylonitrile	2.977	52	18839	8.68	ug/L		94
30) ETBE	3.086	59	20632	2.05	ug/L		92
31) Vinyl acetate	3.092	43	73787	9.72	ug/L		95
32) cis-1,2-Dichloroethene	3.263	96	7162	2.03	ug/L		96
33) 2,2-Dichloropropane	3.324	77	9082	2.39	ug/L		96
34) Bromochloromethane	3.373	128	3041	1.87	ug/L	#	68
35) Cyclohexane	3.385	56	10484	1.76	ug/L	#	81

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82553.D
Acq On : 7 Mar 2024 8:52 am
Operator : jeniferw
Sample : IC2972-8 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 07 11:51:16 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Chloroform	3.410	83	11831	1.90	ug/L		98
37) Ethyl acetate	3.470	43	50061	8.56	ug/L		98
38) Tetrahydrofuran	3.507	42	4356	1.73	ug/L		97
40) Carbon Tetrachloride	3.501	117	7382	1.96	ug/L		90
41) 1,1,1-Trichloroethane	3.538	97	9052	1.88	ug/L		99
42) 2-Butanone	3.580	43	27648	7.71	ug/L		98
43) 1,1-Dichloropropene	3.605	75	7903	1.88	ug/L		89
44) tert-Butyl formate	3.666	59	27918	13.83	ug/L	#	77
45) Propionitrile	3.751	54	20419	17.93	ug/L		91
46) Methacrylonitrile	3.763	41	59369	17.85	ug/L		95
47) Benzene	3.745	78	23916	1.84	ug/L		96
48) TAME	3.806	73	17887	2.31	ug/L		89
49) Isobutyl alcohol	3.848	43	13729m	38.19	ug/L		
51) 1,2-Dichloroethane	3.861	62	9111	1.77	ug/L		93
52) Tert Amyl Alcohol	3.909	59	16518	23.59	ug/L	#	71
53) Trichloroethene	4.086	95	6961	1.96	ug/L		87
54) Methylcyclohexane	4.086	83	8216	1.73	ug/L	#	83
55) Dibromomethane	4.336	93	4274	1.97	ug/L		93
56) 1,2-Dichloropropane	4.397	63	6810	1.93	ug/L		92
57) Bromodichloromethane	4.428	83	8106	1.98	ug/L		94
58) Methyl methacrylate	4.513	41	7648	2.29	ug/L		87
59) 1,4-Dioxane	4.550	88	2451	34.04	ug/L		76
60) 2-Chloroethyl vinyl ether	4.769	63	28469	10.53	ug/L		98
61) cis-1,3-Dichloropropene	4.818	75	9931	2.19	ug/L		91
64) Toluene	4.970	91	25111	1.98	ug/L		100
65) 2-Nitropropane	5.116	41	11546	7.89	ug/L		93
66) 4-Methyl-2-pentanone	5.208	43	48332	9.29	ug/L		93
67) trans-1,3-Dichloropropene	5.232	75	9055	1.94	ug/L		96
68) Tetrachloroethene	5.226	166	5228	1.72	ug/L		94
69) Ethyl methacrylate	5.330	69	9412	2.44	ug/L		88
70) 1,1,2-Trichloroethane	5.342	83	5621	2.08	ug/L		93
71) Dibromochloromethane	5.464	129	5507	1.77	ug/L		86
72) 1,3-Dichloropropane	5.525	76	10062	1.97	ug/L		91
73) 1,2-Dibromoethane	5.629	107	6005	1.97	ug/L		97
74) 3,3-dimethyl-1-butanol	5.744	57	91812	104.86	ug/L		90
75) 2-hexanone	5.769	43	52317	9.33	ug/L		93
76) 1-Chlorohexane	5.970	91	8968m	2.31	ug/L		
77) Ethylbenzene	6.007	91	27492	2.02	ug/L		93
78) Chlorobenzene	5.994	112	16211	1.95	ug/L		87
79) 1,1,1,2-Tetrachloroethane	6.037	131	5211	1.98	ug/L		95
80) m,p-Xylene	6.110	91	43719	4.19	ug/L		95
81) o-Xylene	6.421	91	22983	2.23	ug/L		94
82) Styrene	6.464	104	16002	1.90	ug/L		91
83) Bromoform	6.476	173	2993	1.49	ug/L		89
84) Isopropylbenzene	6.659	105	24816	2.16	ug/L		98
87) cis-1,4-Dichloro-2-butene	6.915	53	3367	2.13	ug/L	#	74
88) n-Propylbenzene	6.970	91	30768	2.18	ug/L		97
89) Bromobenzene	6.951	156	5845	1.99	ug/L		98
90) 1,1,2,2-Tetrachloroethane	7.019	83	9542	2.01	ug/L		95
91) 1,3,5-Trimethylbenzene	7.122	105	21933	2.31	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82553.D
Acq On : 7 Mar 2024 8:52 am
Operator : jeniferw
Sample : IC2972-8 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 07 11:51:16 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration

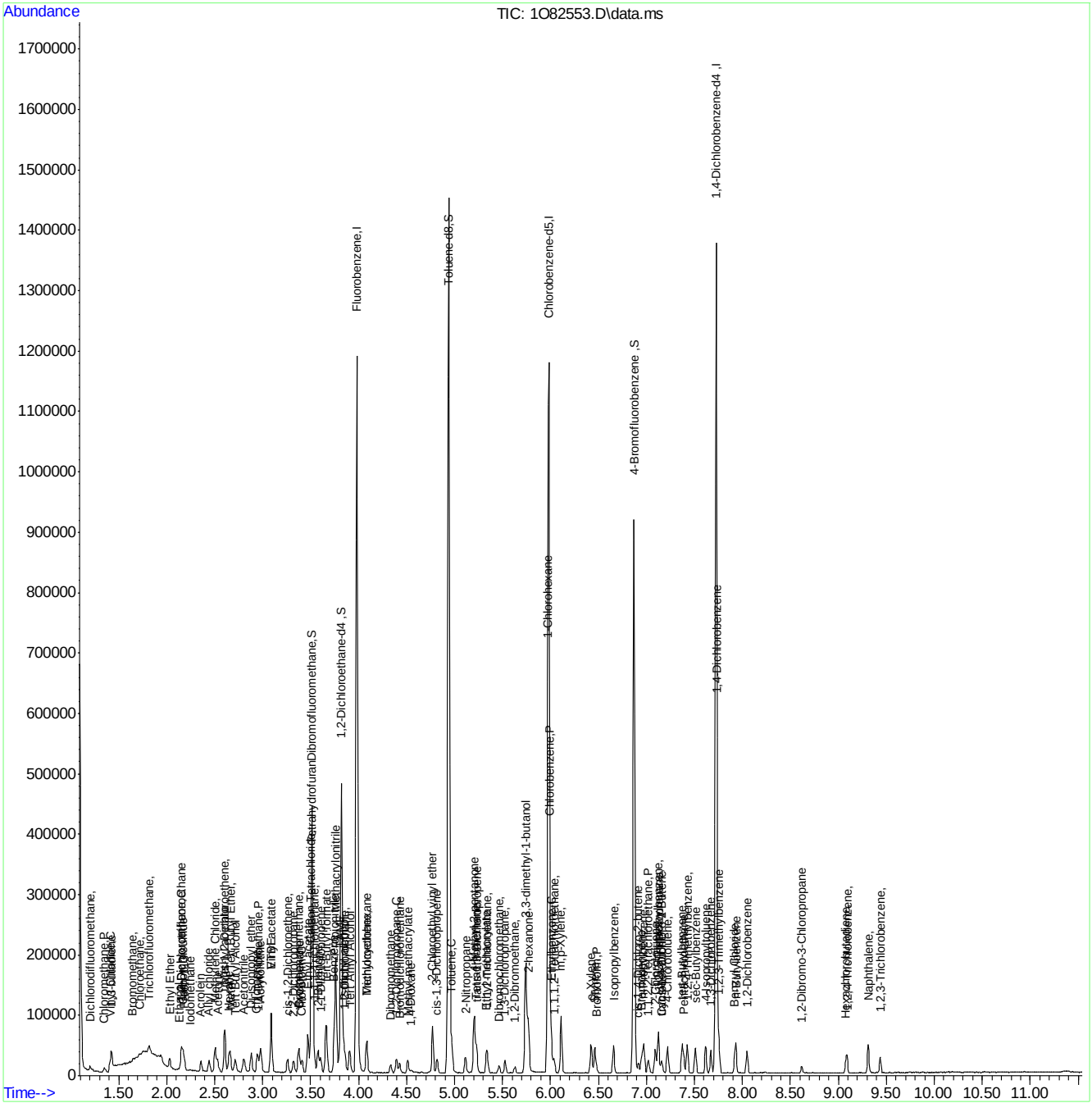
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92) 2-Chlorotoluene	7.092	91	21541	2.19	ug/L		95
93) trans-1,4-Dichloro-2-B...	7.159	53	2476	1.82	ug/L		94
94) 1,2,3-Trichloropropane	7.128	110	2708	1.94	ug/L		87
95) Cyclohexanone	7.159	55	2864	10.65	ug/L		91
96) 4-Chlorotoluene	7.220	91	20721	2.23	ug/L		93
97) tert-Butylbenzene	7.372	91	12108	2.27	ug/L		98
99) 1,2,4-Trimethylbenzene	7.427	105	21632	2.06	ug/L		98
100) Pentachloroethane	7.390	167	2668	1.80	ug/L	#	75
101) sec-Butylbenzene	7.512	105	24224	2.20	ug/L		99
102) 4-Isopropyltoluene	7.616	119	20116	1.97	ug/L		96
103) 1,3-Dichlorobenzene	7.671	146	11489	1.94	ug/L		96
104) 1,2,3-Trimethylbenzene	7.756	105	22554	2.19	ug/L		96
105) 1,4-Dichlorobenzene	7.738	146	12059m	1.95	ug/L		
106) n-Butylbenzene	7.933	92	10708	1.86	ug/L		87
107) Benzyl Chloride	7.921	126	2834	2.85	ug/L	#	62
108) 1,2-Dichlorobenzene	8.049	146	10804	1.90	ug/L		90
109) 1,2-Dibromo-3-Chloropr...	8.616	75	2160	2.03	ug/L		86
110) Hexachlorobutadiene	9.073	225	2156	1.83	ug/L		85
111) 1,2,4-Trichlorobenzene	9.091	180	6346	1.91	ug/L		96
112) Naphthalene	9.311	128	26040	1.95	ug/L		99
113) 1,2,3-Trichlorobenzene	9.439	180	6029	1.90	ug/L		91

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82553.D
Acq On : 7 Mar 2024 8:52 am
Operator : jeniferw
Sample : IC2972-8 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 07 11:51:16 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration



Manual Integration Approval Summary

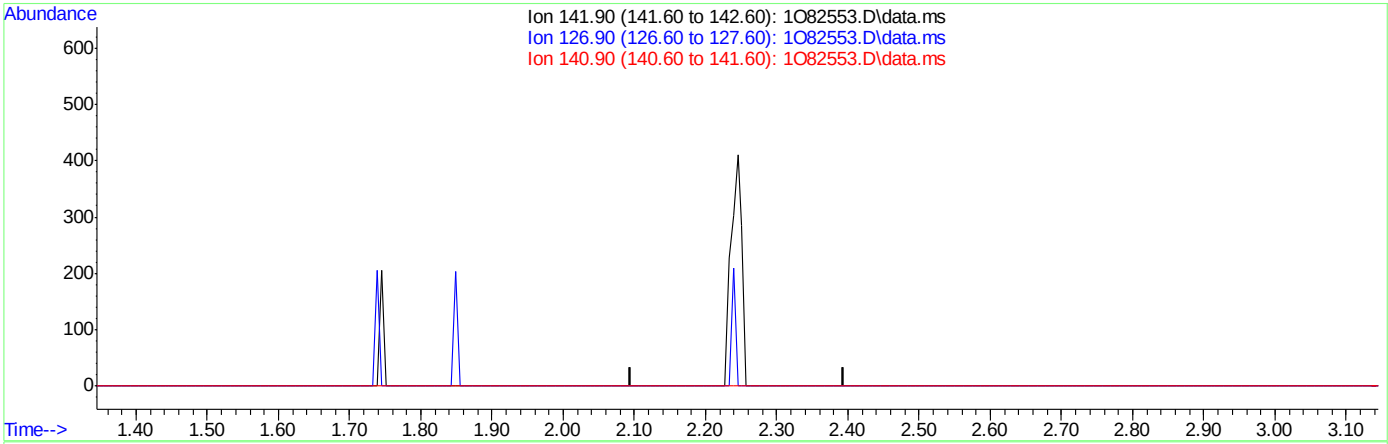
Sample Number: V1O2972-IC2972
Lab FileID: 1O82553.D
Injection Time: 03/07/24 08:52
Method: SW846 8260D
Analyst approved: 03/07/24 13:55 Jenifer Willis
Supervisor approved: 03/08/24 07:00 Neil Christiana

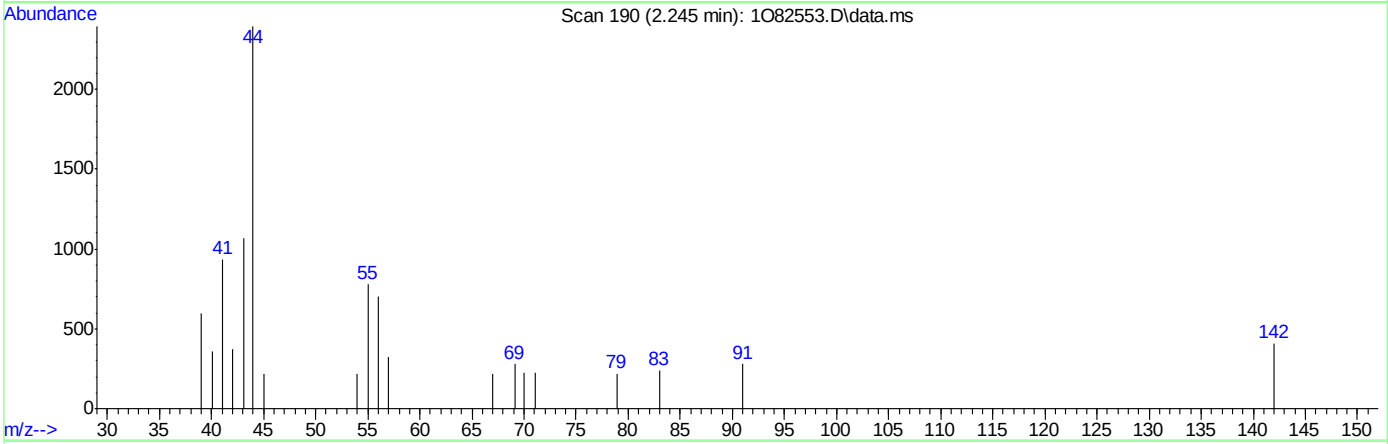
Parameter	CAS	Sig#	R.T. (min.)	Reason
Methyl Iodide	74-88-4		2.25	Missed peak
Isobutyl Alcohol	78-83-1		3.85	Poorly defined baseline
1-Chlorohexane	544-10-5		5.97	Poorly defined baseline
1,4-Dichlorobenzene	106-46-7		7.74	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82553.D
Acq On : 7 Mar 2024 8:52 am
Operator : jeniferw
Sample : IC2972-8 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 07 11:48:24 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration





TIC: 1O82553.D\data.ms

(15) Iodomethane

2.245min (-2.245) 0.00ug/L

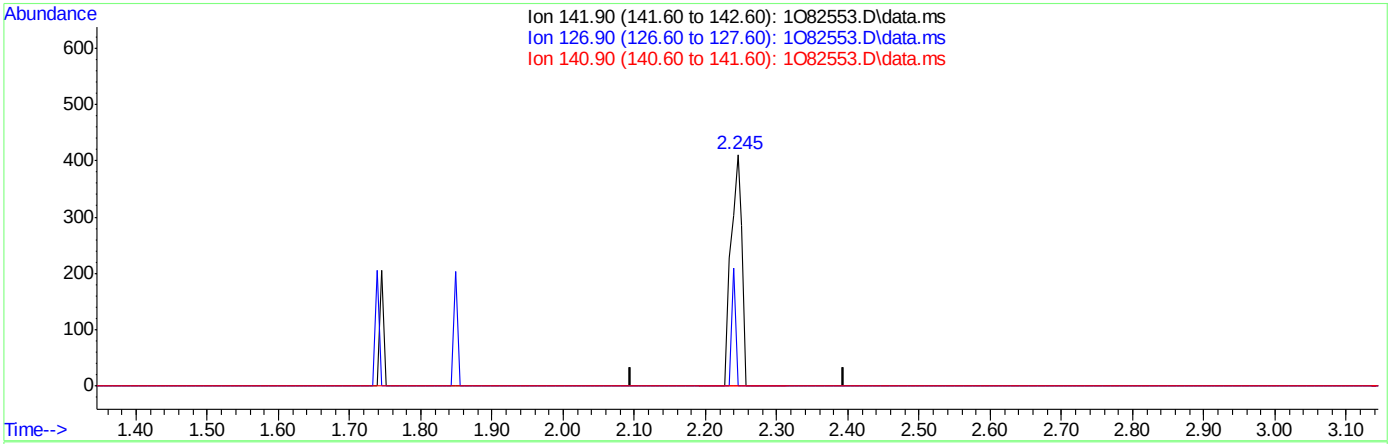
response 0

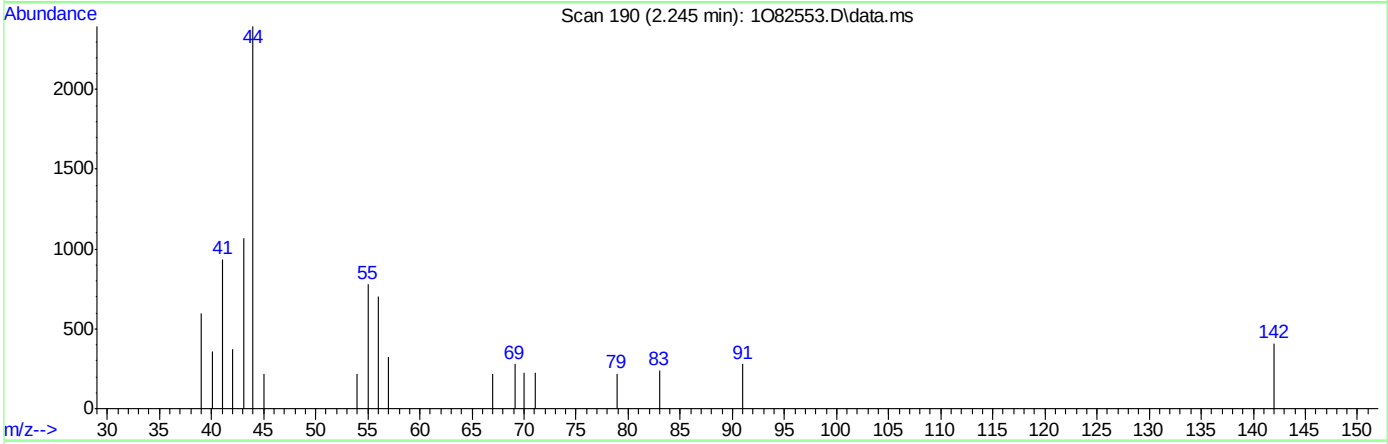
Ion	Exp%	Act%
141.90	100	0.00
126.90	50.80	0.00#
140.90	14.30	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82553.D
Acq On : 7 Mar 2024 8:52 am
Operator : jeniferw
Sample : IC2972-8 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 07 11:48:24 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration





TIC: 1O82553.D\data.ms

(15) Iodomethane

2.245min (+0.000) 0.54ug/L m

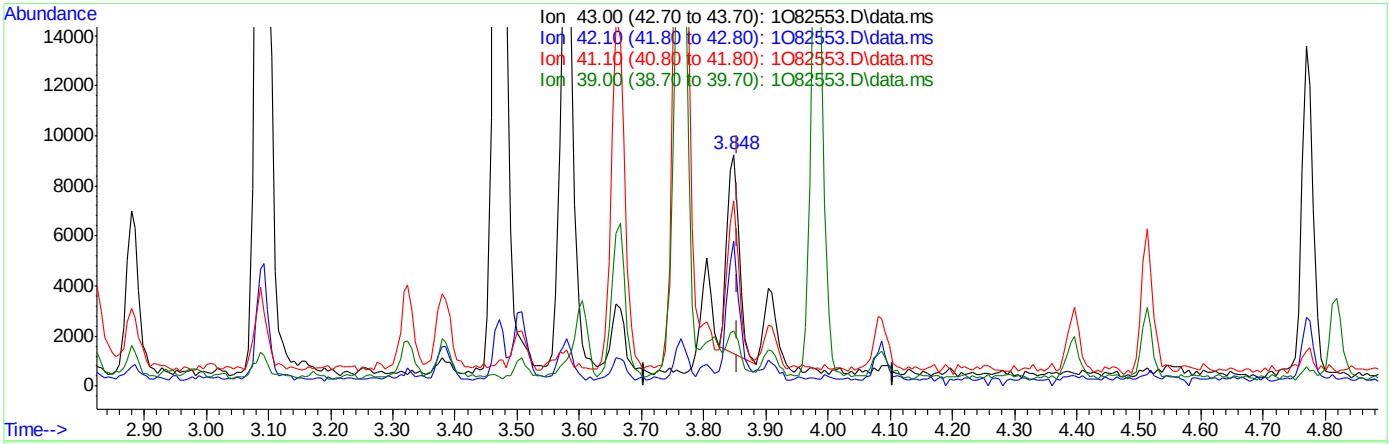
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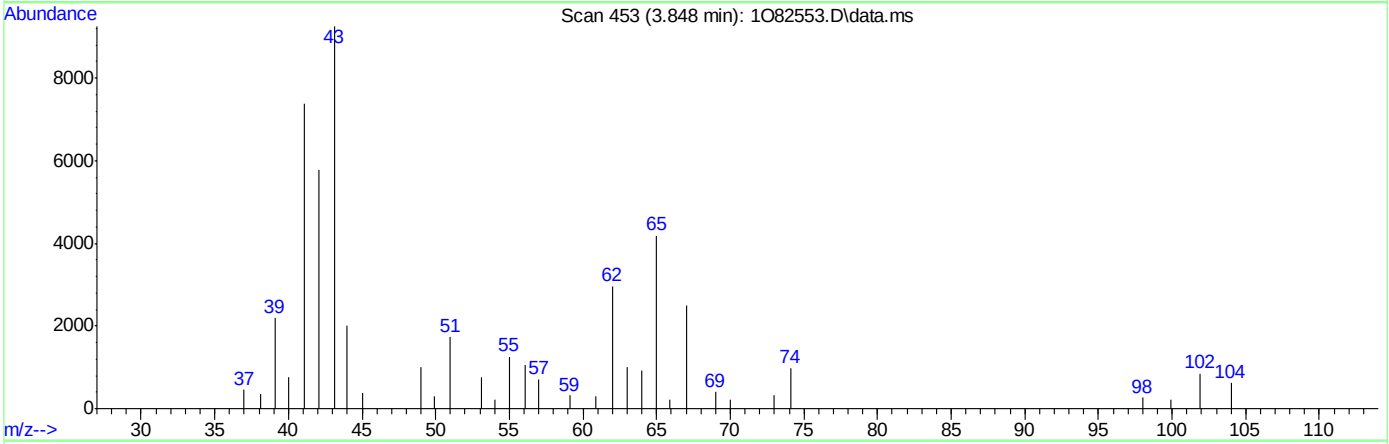
Ion	Exp%	Act%
141.90	100	100
126.90	50.80	0.00#
140.90	14.30	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82553.D
Acq On : 7 Mar 2024 8:52 am
Operator : jeniferw
Sample : IC2972-8 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 07 11:48:24 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration





TIC: 1O82553.D\data.ms

(49) Isobutyl alcohol

3.848min (-0.006) 29.27ug/L

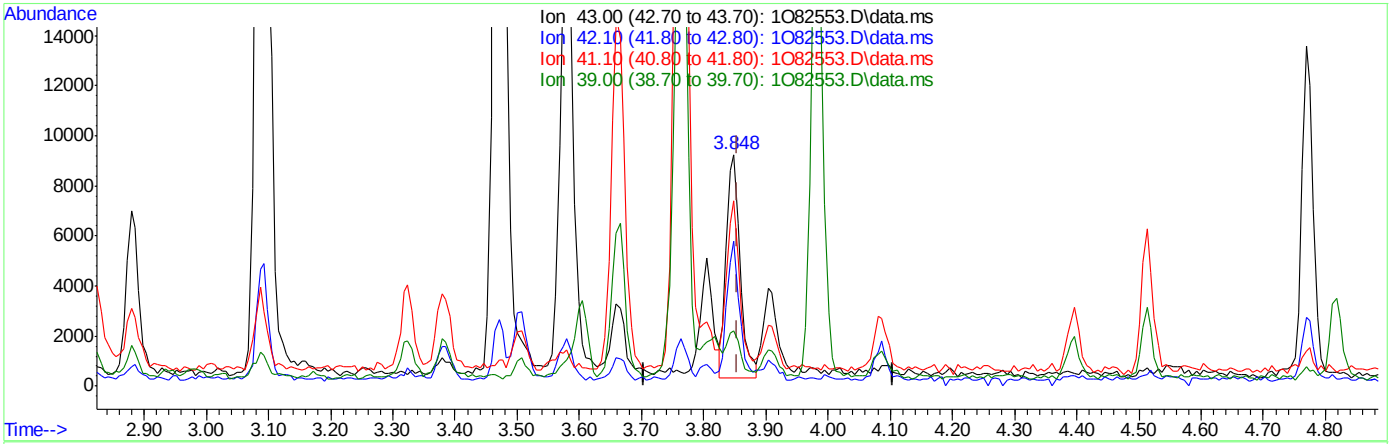
response 10523

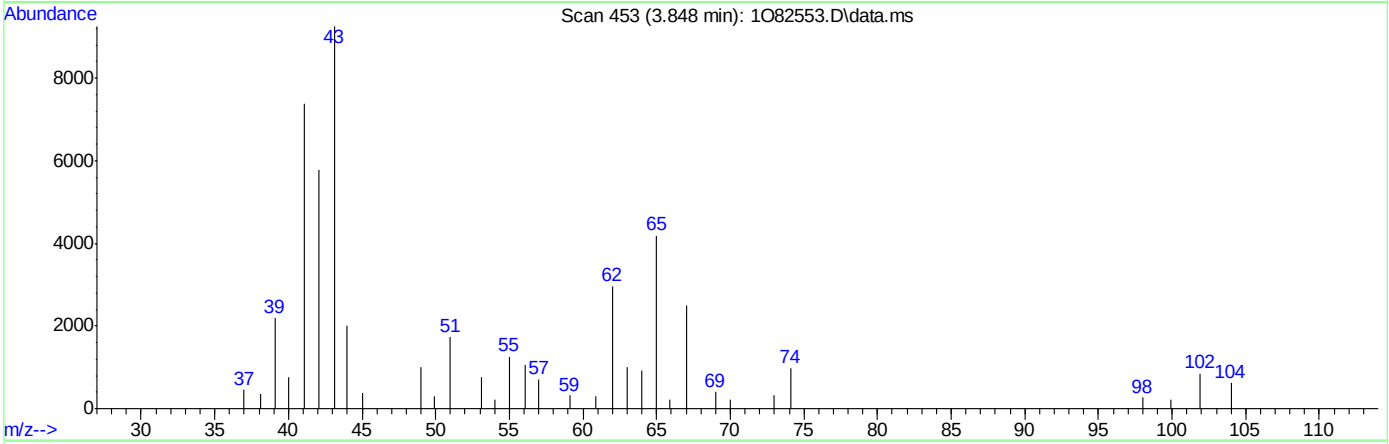
Ion	Exp%	Act%
43.00	100	100
42.10	58.50	61.84
41.10	77.50	75.00
39.00	31.30	19.69

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82553.D
Acq On : 7 Mar 2024 8:52 am
Operator : jeniferw
Sample : IC2972-8 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 07 11:48:24 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration





TIC: 1O82553.D\data.ms

(49) Isobutyl alcohol

3.848min (-0.006) 38.19ug/L m

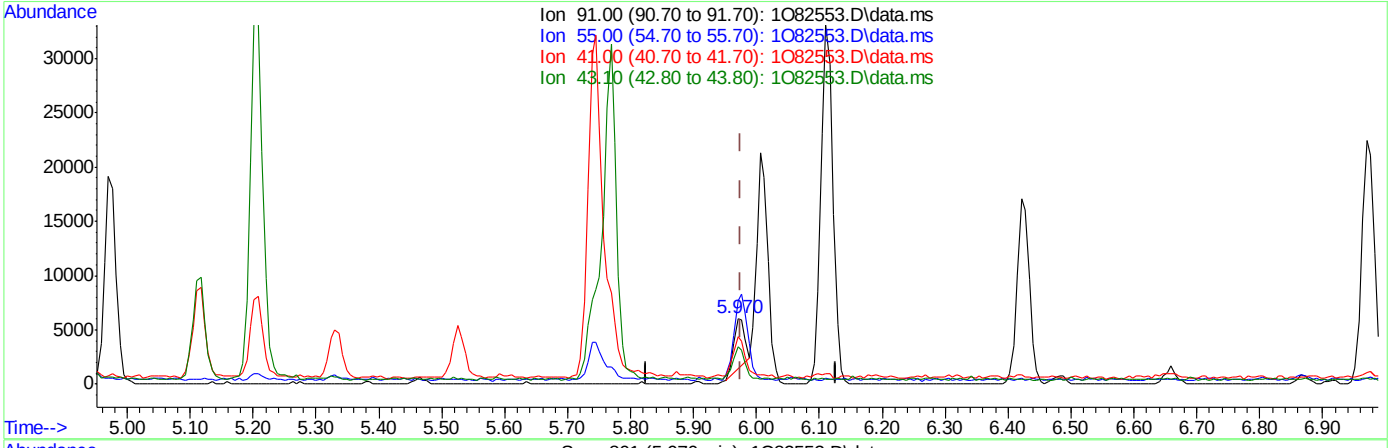
response 13729

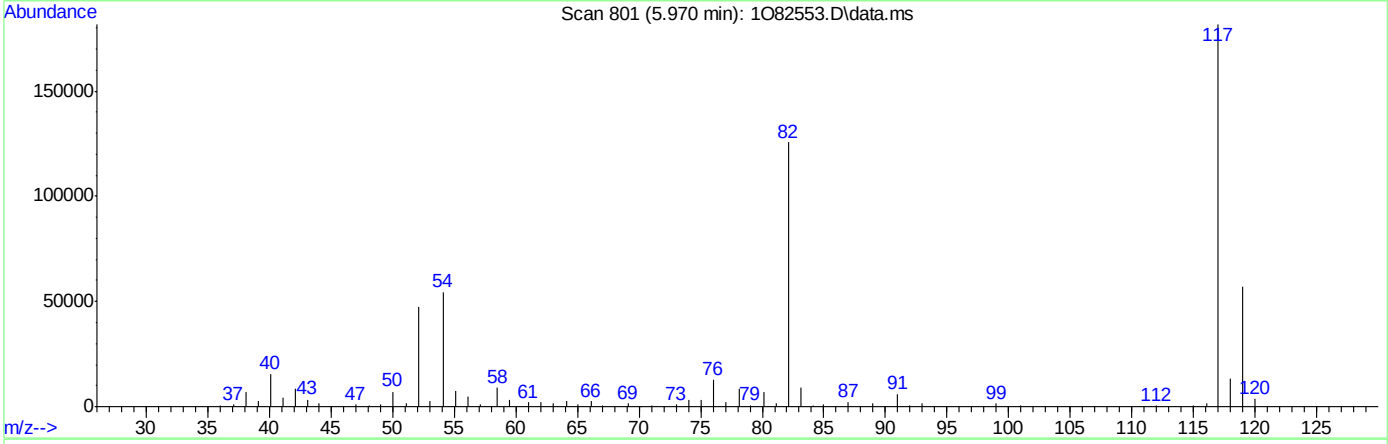
Ion	Exp%	Act%
43.00	100	100
42.10	58.50	62.55
41.10	77.50	79.85
39.00	31.30	23.66

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82553.D
Acq On : 7 Mar 2024 8:52 am
Operator : jeniferw
Sample : IC2972-8 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 07 11:48:24 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration





TIC: 1O82553.D\data.ms

(76) 1-Chlorohexane

5.970min (-0.006) 1.52ug/L

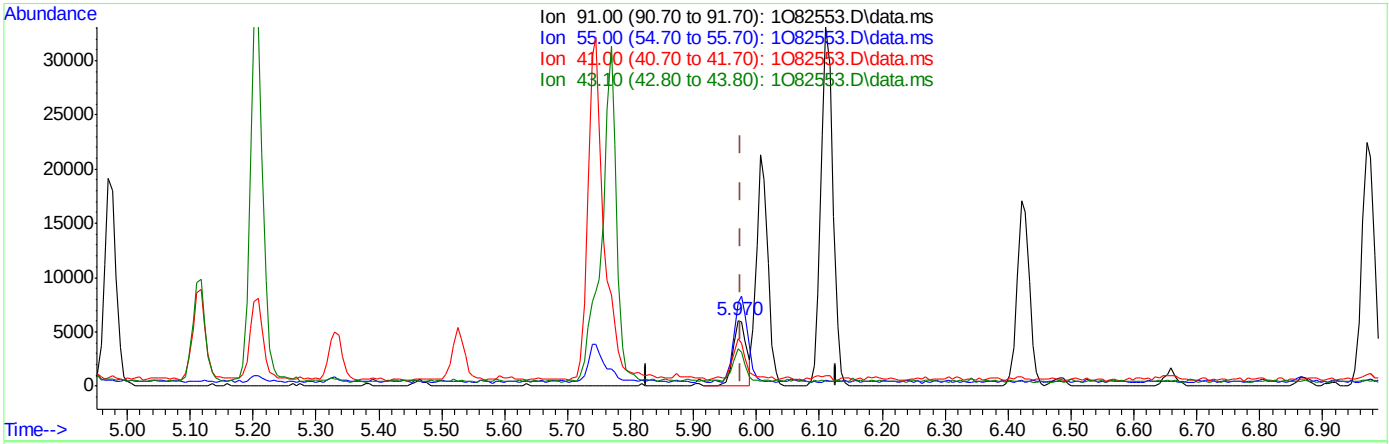
response 5892

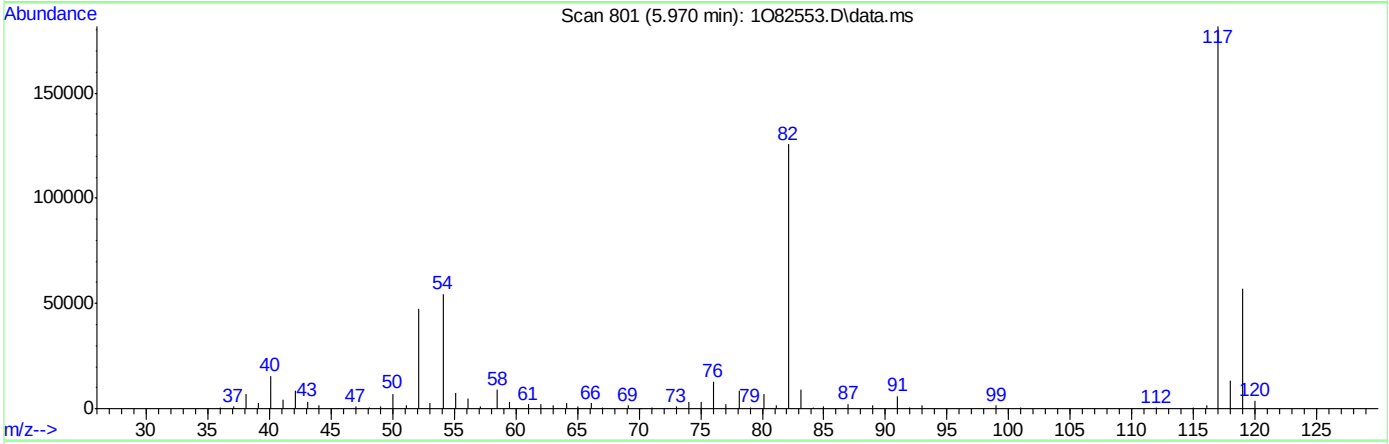
Ion	Exp%	Act%
91.00	100	100
55.00	67.60	119.28#
41.00	55.00	62.59
43.10	42.40	48.40

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82553.D
Acq On : 7 Mar 2024 8:52 am
Operator : jeniferw
Sample : IC2972-8 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 07 11:48:24 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration





TIC: 1O82553.D\data.ms

(76) 1-Chlorohexane

5.970min (-0.006) 2.31ug/L m

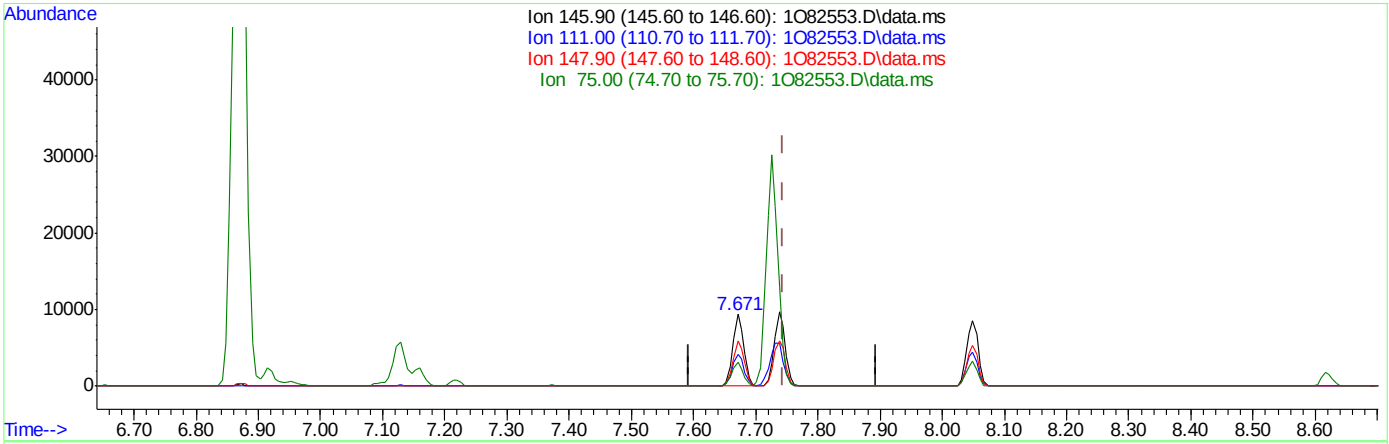
response 8968

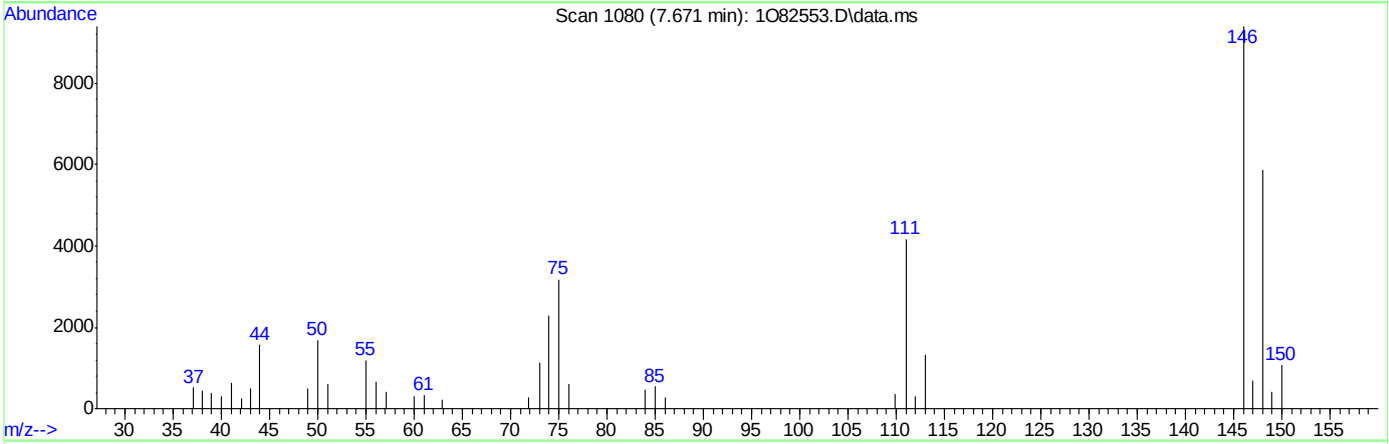
Ion	Exp%	Act%
91.00	100	100
55.00	67.60	126.14#
41.00	55.00	71.39
43.10	42.40	57.46

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82553.D
Acq On : 7 Mar 2024 8:52 am
Operator : jeniferw
Sample : IC2972-8 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 07 11:48:24 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration





TIC: 1O82553.D\data.ms

(105) 1,4-Dichlorobenzene

7.671min (-0.073) 1.86ug/L

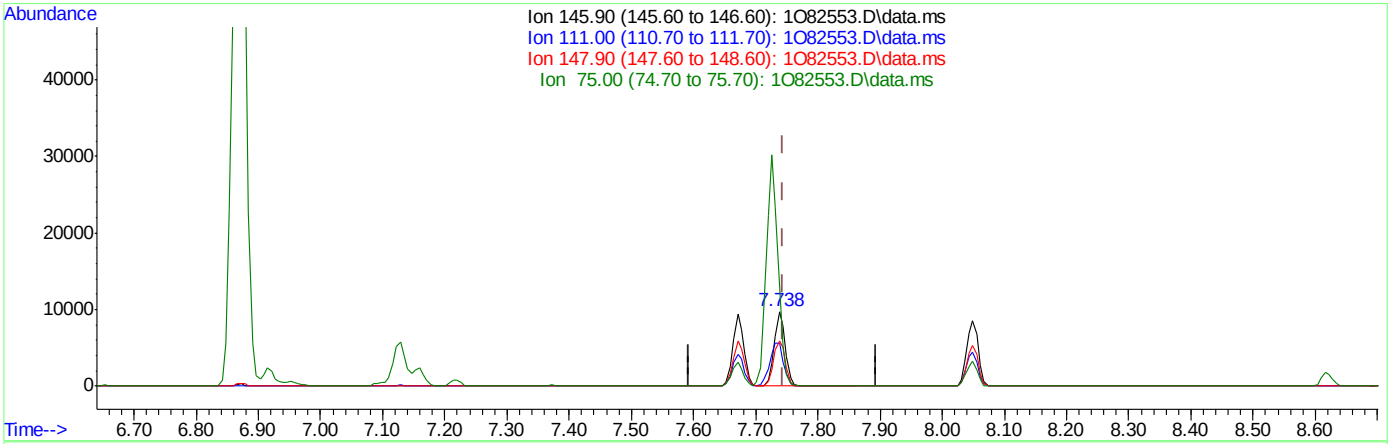
response 11489

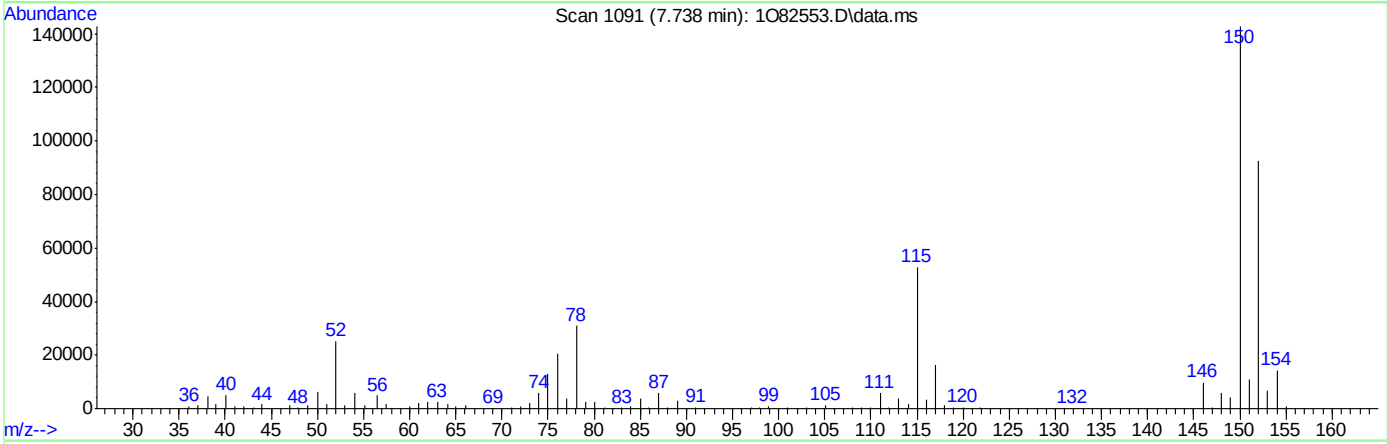
Ion	Exp%	Act%
145.90	100	100
111.00	40.40	44.37
147.90	64.50	62.41
75.00	30.90	33.82

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82553.D
Acq On : 7 Mar 2024 8:52 am
Operator : jeniferw
Sample : IC2972-8 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 07 11:48:24 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration





TIC: 1O82553.D\data.ms

(105) 1,4-Dichlorobenzene

7.738min (-0.006) 1.95ug/L m

response 12059

Ion	Exp%	Act%
145.90	100	100
111.00	40.40	58.05
147.90	64.50	60.60
75.00	30.90	131.69#

Manual Integrations APPROVED (compounds with "m" flag)
Neil Christiana 03/08/24 07:00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82554.D
Acq On : 7 Mar 2024 9:17 am
Operator : jeniferw
Sample : IC2972-2 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 07 11:52:09 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.982	96	745688	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.982	117	504626	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.726	152	268647	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.513	113	189644	47.03	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 94.06%			
50) 1,2-Dichloroethane-d4	3.818	65	238227	47.67	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 95.34%			
63) Toluene-d8	4.940	98	729404	50.68	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 101.36%			
86) 4-Bromofluorobenzene	6.872	174	190235	50.17	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.34%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.202	85	13306	4.89	ug/L	99
3) Chloromethane	1.349	50	16714	4.15	ug/L	98
4) 1,3-butadiene	1.422	39	17610	5.18	ug/L	81
5) Vinyl Chloride	1.410	62	18041	5.03	ug/L	95
6) Bromomethane	1.635	94	3625	3.53	ug/L	79
7) Chloroethane	1.721	64	5171	4.54	ug/L	92
8) Trichlorofluoromethane	1.818	101	19746	5.19	ug/L	99
9) Ethyl Ether	2.032	59	16470	4.84	ug/L	90
10) Ethanol	2.135	45	8617	100.84	ug/L	80
11) 1,2-Dichlorotrifluoroe...	2.147	67	19095	4.95	ug/L	90
12) 1,1-Dichloroethene	2.147	61	25920	5.37	ug/L	93
13) Freon 113	2.178	101	13910	4.50	ug/L	93
14) Carbon Disulfide	2.166	76	50902	5.40	ug/L	99
15) Iodomethane	2.239	142	1883	2.18	ug/L	75
16) Acrolein	2.355	56	30439	27.67	ug/L	98
17) Allyl chloride	2.440	41	22622	4.78	ug/L	87
18) Methylene Chloride	2.501	49	32486	6.55	ug/L	86
19) Acetone	2.531	43	43620	20.41	ug/L	92
20) Methyl acetate	2.599	43	110718	20.54	ug/L	95
21) trans-1,2-Dichloroethene	2.599	61	26533	5.27	ug/L	88
22) Hexane	2.647	56	13656	4.16	ug/L #	88
23) Methyl Tert Butyl Ether	2.660	73	51624	5.74	ug/L	94
24) Tert Butyl Alcohol	2.708	59	51229	52.24	ug/L	77
25) Acetonitrile	2.800	41	40709	51.28	ug/L	99
26) Di-isopropyl ether	2.879	45	57106	4.94	ug/L	92
27) Chloroprene	2.940	53	26510	5.35	ug/L	93
28) 1,1-Dichloroethane	2.952	63	33535	5.10	ug/L	96
29) Acrylonitrile	2.977	52	49496	22.61	ug/L	99
30) ETBE	3.086	59	59337	5.84	ug/L	91
31) Vinyl acetate	3.086	43	197544	25.80	ug/L	95
32) cis-1,2-Dichloroethene	3.257	96	18452	5.19	ug/L	91
33) 2,2-Dichloropropane	3.324	77	23688	6.18	ug/L	97
34) Bromochloromethane	3.373	128	8366	5.10	ug/L #	74
35) Cyclohexane	3.379	56	31515	5.26	ug/L #	83

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82554.D
Acq On : 7 Mar 2024 9:17 am
Operator : jeniferw
Sample : IC2972-2 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 07 11:52:09 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Chloroform	3.409	83	30950	4.93	ug/L		96
37) Ethyl acetate	3.470	43	133195	22.58	ug/L		97
38) Tetrahydrofuran	3.501	42	11668	4.58	ug/L		93
40) Carbon Tetrachloride	3.495	117	18873m	4.97	ug/L		
41) 1,1,1-Trichloroethane	3.537	97	24555	5.05	ug/L		96
42) 2-Butanone	3.574	43	80766	22.32	ug/L		96
43) 1,1-Dichloropropene	3.604	75	21640	5.10	ug/L		92
44) tert-Butyl formate	3.659	59	75026	36.84	ug/L	#	75
45) Propionitrile	3.751	54	51156	44.54	ug/L		98
46) Methacrylonitrile	3.763	41	155906	46.47	ug/L		96
47) Benzene	3.745	78	67393	5.13	ug/L		97
48) TAME	3.806	73	50552	6.46	ug/L		96
49) Isobutyl alcohol	3.842	43	35726m	98.49	ug/L		
51) 1,2-Dichloroethane	3.861	62	25663	4.94	ug/L		97
52) Tert Amyl Alcohol	3.903	59	43457	61.51	ug/L	#	71
53) Trichloroethene	4.080	95	17876	4.98	ug/L		87
54) Methylcyclohexane	4.086	83	24745	5.18	ug/L		89
55) Dibromomethane	4.336	93	11301	5.16	ug/L		94
56) 1,2-Dichloropropane	4.391	63	19476	5.48	ug/L		90
57) Bromodichloromethane	4.427	83	22766	5.51	ug/L		94
58) Methyl methacrylate	4.513	41	17557	5.22	ug/L		94
59) 1,4-Dioxane	4.543	88	6911	95.15	ug/L		81
60) 2-Chloroethyl vinyl ether	4.769	63	76691	28.12	ug/L		99
61) cis-1,3-Dichloropropene	4.818	75	27021	5.92	ug/L		98
64) Toluene	4.970	91	69951	5.45	ug/L		99
65) 2-Nitropropane	5.110	41	32780	22.13	ug/L		97
66) 4-Methyl-2-pentanone	5.202	43	135754	25.79	ug/L		94
67) trans-1,3-Dichloropropene	5.232	75	25624	5.42	ug/L		97
68) Tetrachloroethene	5.226	166	14603	4.74	ug/L		95
69) Ethyl methacrylate	5.330	69	23980	6.14	ug/L		94
70) 1,1,2-Trichloroethane	5.342	83	15324	5.62	ug/L		94
71) Dibromochloromethane	5.464	129	14289	4.53	ug/L		94
72) 1,3-Dichloropropane	5.525	76	28871	5.60	ug/L		97
73) 1,2-Dibromoethane	5.628	107	17709	5.73	ug/L		100
74) 3,3-dimethyl-1-butanol	5.744	57	244910	276.47	ug/L		90
75) 2-hexanone	5.769	43	143008	25.21	ug/L		89
76) 1-Chlorohexane	5.970	91	22747m	5.79	ug/L		
77) Ethylbenzene	6.006	91	74546	5.41	ug/L		96
78) Chlorobenzene	5.994	112	43536	5.19	ug/L		92
79) 1,1,1,2-Tetrachloroethane	6.037	131	14446	5.43	ug/L		96
80) m,p-Xylene	6.110	91	122046	11.55	ug/L		97
81) o-Xylene	6.421	91	62786	6.02	ug/L		98
82) Styrene	6.464	104	47865	5.60	ug/L		97
83) Bromoform	6.482	173	9051	4.47	ug/L		96
84) Isopropylbenzene	6.659	105	70423	6.07	ug/L		98
87) cis-1,4-Dichloro-2-butene	6.915	53	8454	5.34	ug/L	#	77
88) n-Propylbenzene	6.970	91	87426	6.17	ug/L		97
89) Bromobenzene	6.951	156	15907	5.39	ug/L		88
90) 1,1,2,2-Tetrachloroethane	7.018	83	26544	5.58	ug/L		98
91) 1,3,5-Trimethylbenzene	7.122	105	61226	6.44	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82554.D
Acq On : 7 Mar 2024 9:17 am
Operator : jeniferw
Sample : IC2972-2 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 07 11:52:09 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration

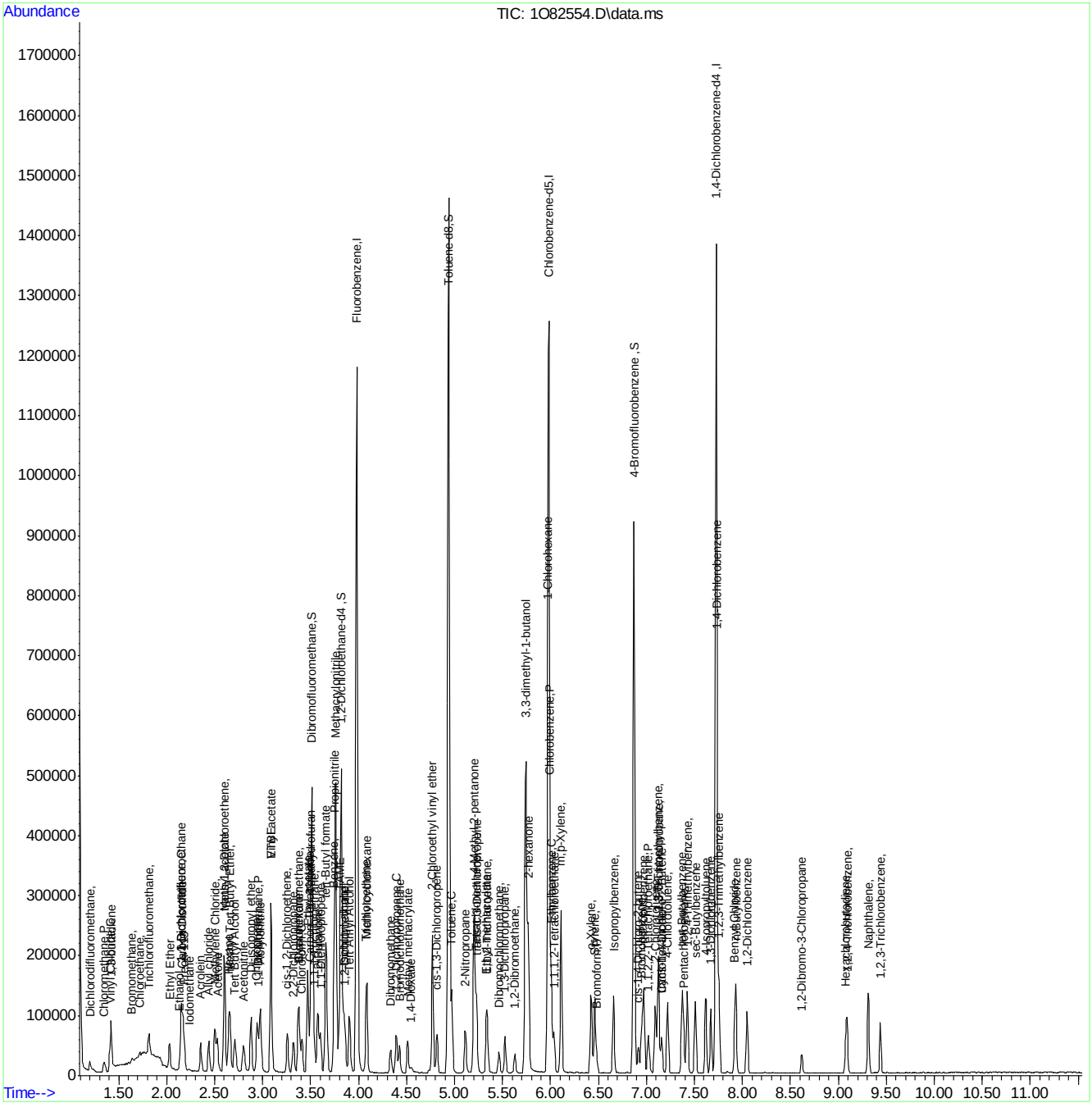
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92)	2-Chlorotoluene	7.092	91	60991	6.19	ug/L		93
93)	trans-1,4-Dichloro-2-B...	7.159	53	6827	4.99	ug/L		97
94)	1,2,3-Trichloropropane	7.128	110	7435	5.31	ug/L		78
95)	Cyclohexanone	7.159	55	8214	30.45	ug/L		91
96)	4-Chlorotoluene	7.220	91	56601	6.07	ug/L		93
97)	tert-Butylbenzene	7.372	91	34538	6.44	ug/L		95
99)	1,2,4-Trimethylbenzene	7.427	105	59211	5.61	ug/L		99
100)	Pentachloroethane	7.390	167	7634	5.12	ug/L	#	71
101)	sec-Butylbenzene	7.512	105	69866	6.34	ug/L		97
102)	4-Isopropyltoluene	7.622	119	59286	5.79	ug/L		98
103)	1,3-Dichlorobenzene	7.671	146	32672	5.51	ug/L		96
104)	1,2,3-Trimethylbenzene	7.756	105	62787	6.09	ug/L		95
105)	1,4-Dichlorobenzene	7.738	146	33262m	5.36	ug/L		
106)	n-Butylbenzene	7.933	92	32680	5.67	ug/L	#	78
107)	Benzyl Chloride	7.921	126	8729	8.43	ug/L	#	59
108)	1,2-Dichlorobenzene	8.049	146	30749	5.40	ug/L		95
109)	1,2-Dibromo-3-Chloropr...	8.616	75	6291	5.88	ug/L		85
110)	Hexachlorobutadiene	9.079	225	6475	5.49	ug/L		89
111)	1,2,4-Trichlorobenzene	9.091	180	18693	5.61	ug/L		98
112)	Naphthalene	9.311	128	76029	5.67	ug/L		99
113)	1,2,3-Trichlorobenzene	9.439	180	17359	5.45	ug/L		97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82554.D
Acq On : 7 Mar 2024 9:17 am
Operator : jeniferw
Sample : IC2972-2 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 07 11:52:09 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration



Manual Integration Approval Summary

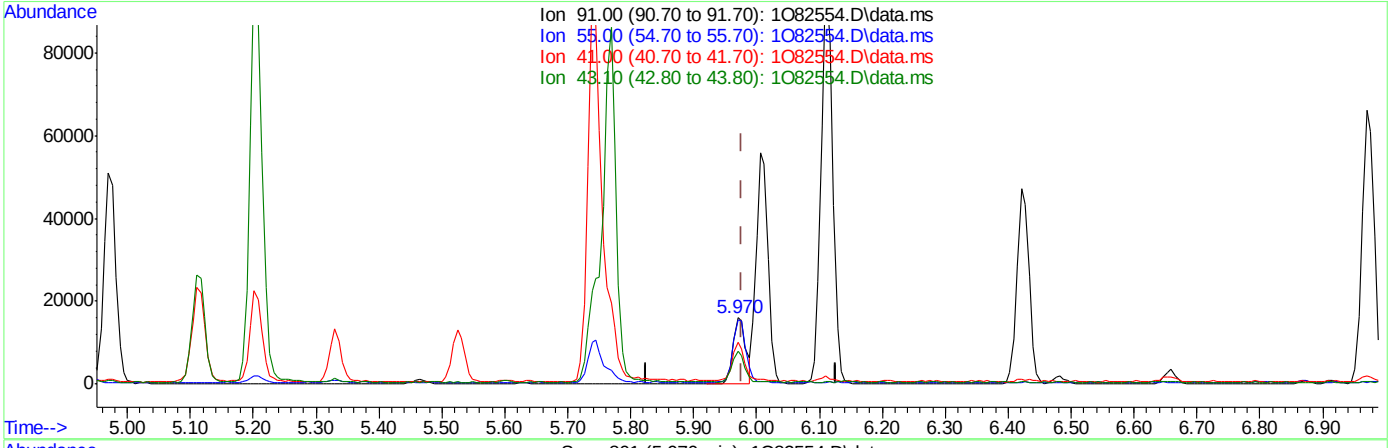
Sample Number: V1O2972-IC2972
Lab FileID: 1O82554.D
Injection Time: 03/07/24 09:17
Method: SW846 8260D
Analyst approved: 03/07/24 13:55 Jenifer Willis
Supervisor approved: 03/08/24 07:00 Neil Christiana

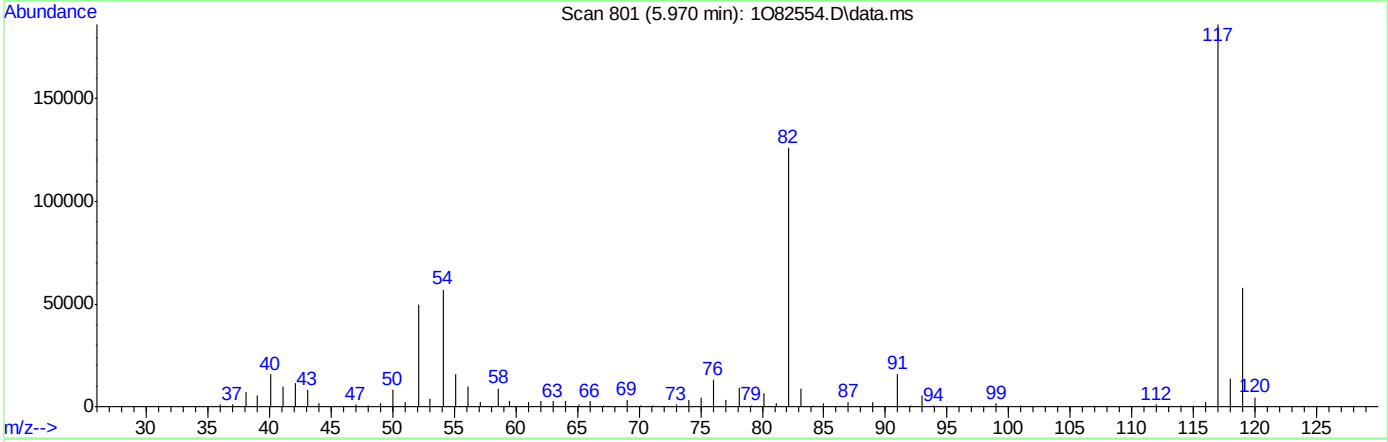
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.49	Overlapping peak
Isobutyl Alcohol	78-83-1		3.84	Poorly defined baseline
1-Chlorohexane	544-10-5		5.97	Poorly defined baseline
1,4-Dichlorobenzene	106-46-7		7.74	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82554.D
Acq On : 7 Mar 2024 9:17 am
Operator : jeniferw
Sample : IC2972-2 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 07 11:48:27 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration





TIC: 1O82554.D\data.ms

(76) 1-Chlorohexane

5.970min (-0.006) 5.79ug/L m

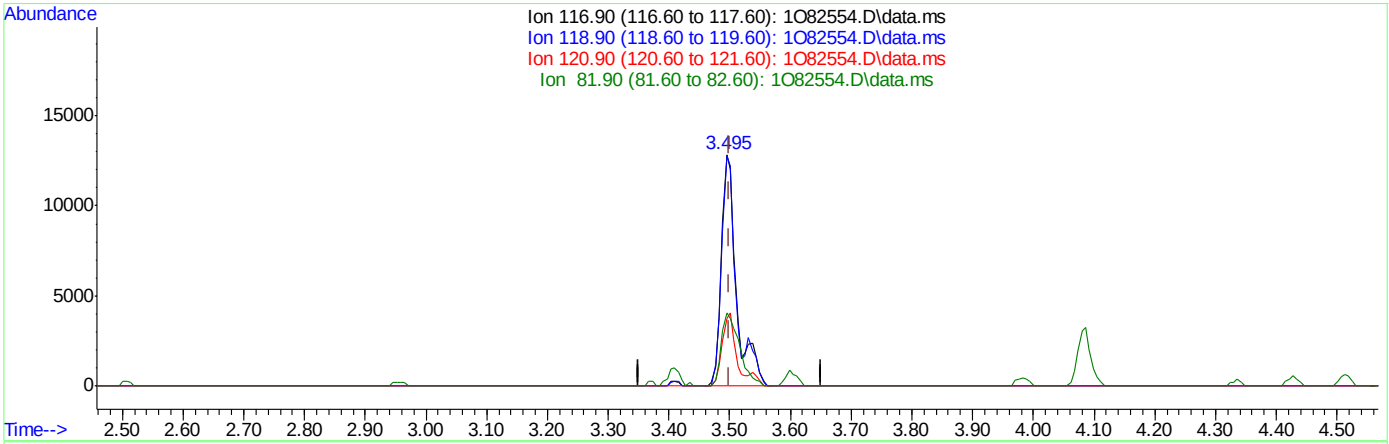
response 22747

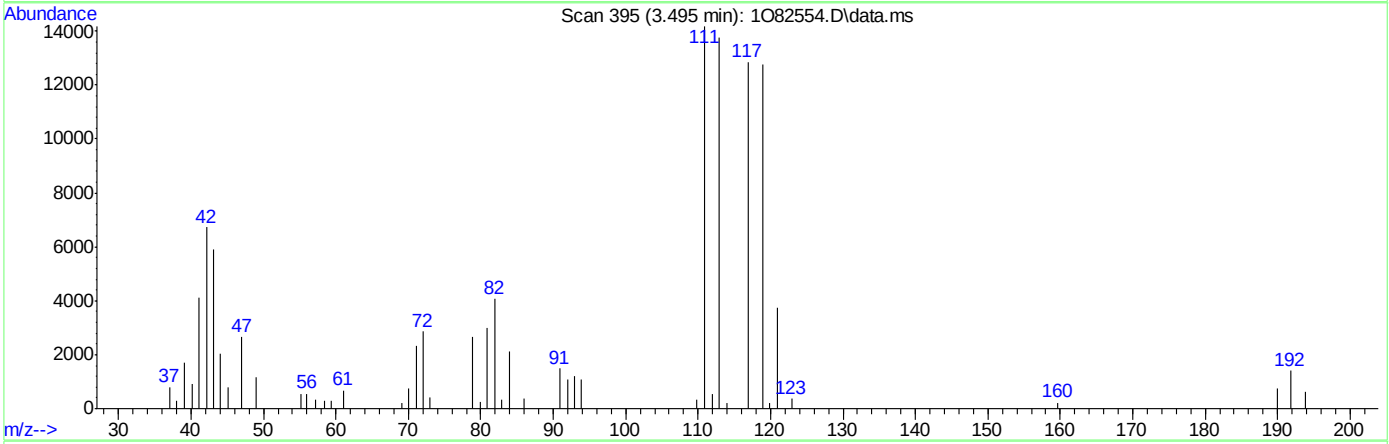
Ion	Exp%	Act%
91.00	100	100
55.00	67.60	98.01#
41.00	55.00	63.06
43.10	42.40	49.88

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82554.D
Acq On : 7 Mar 2024 9:17 am
Operator : jeniferw
Sample : IC2972-2 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 07 11:48:27 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration





TIC: 1O82554.D\data.ms

(40) Carbon Tetrachloride ( )

3.495min (-0.006) 5.84ug/L

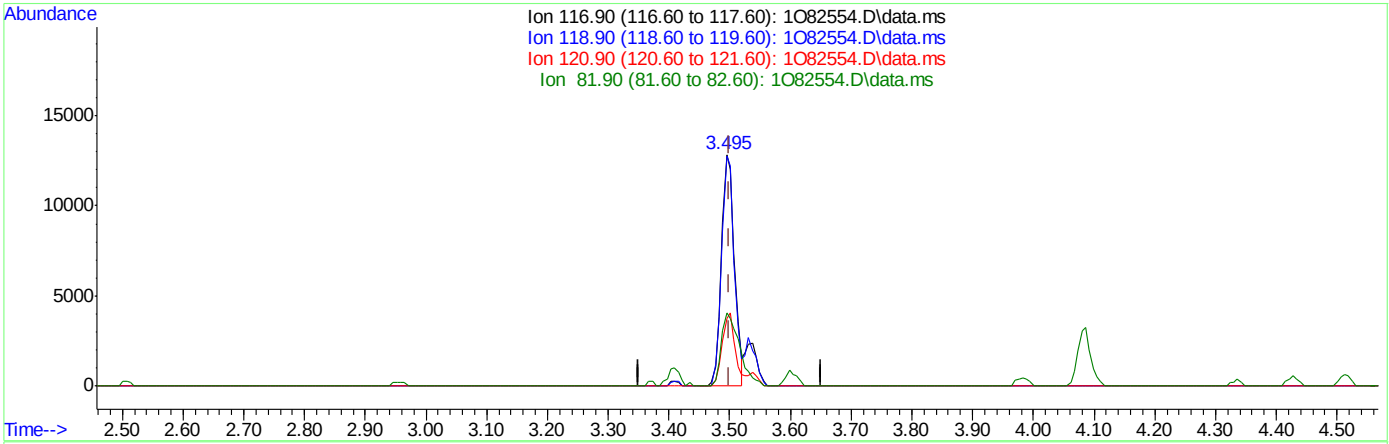
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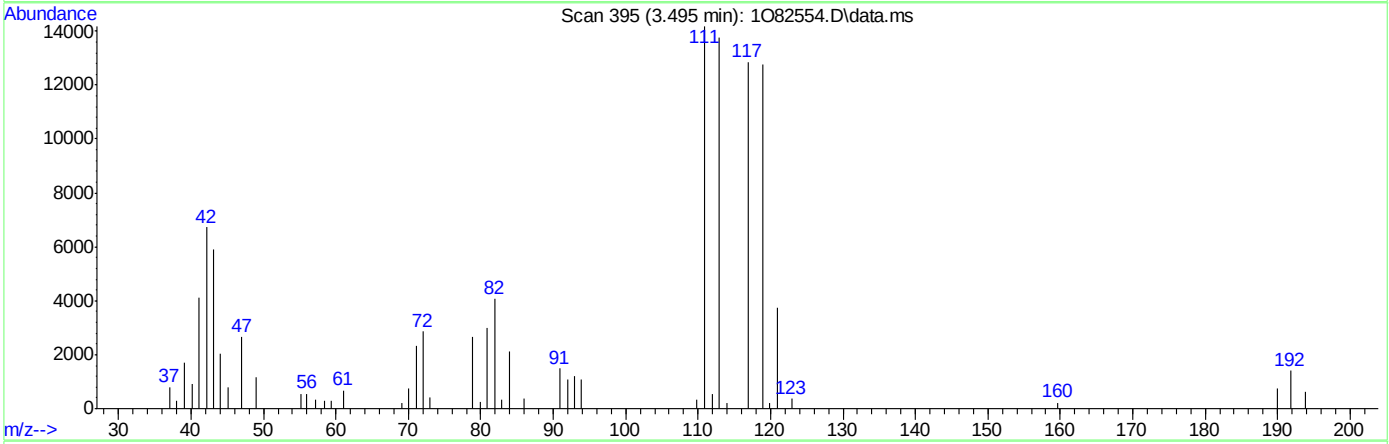
Ion	Exp%	Act%
116.90	100	100
118.90	99.30	99.46
120.90	31.50	29.23
81.90	24.40	31.57

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82554.D
Acq On : 7 Mar 2024 9:17 am
Operator : jeniferw
Sample : IC2972-2 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 07 11:48:27 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration





TIC: 1O82554.D\data.ms

(40) Carbon Tetrachloride ( )

3.495min (-0.006) 4.97ug/L m

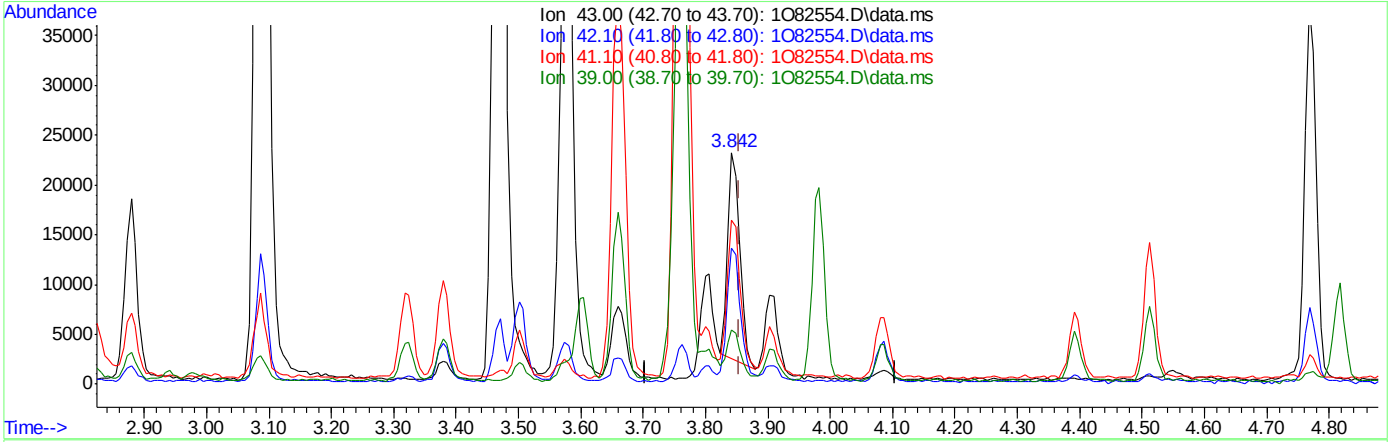
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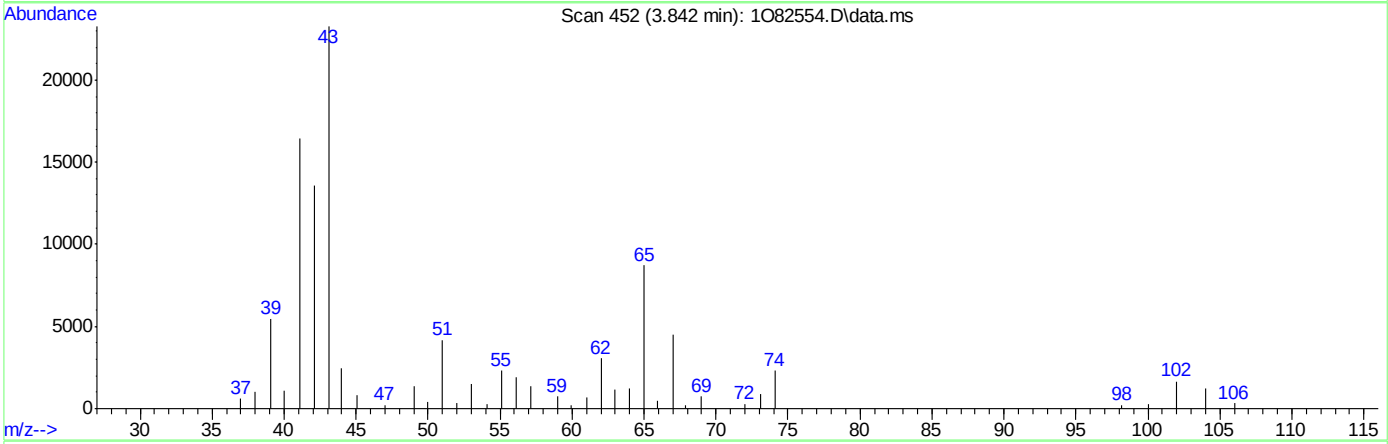
Ion	Exp%	Act%
116.90	100	100
118.90	99.30	99.46
120.90	31.50	29.23
81.90	24.40	31.57

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82554.D
Acq On : 7 Mar 2024 9:17 am
Operator : jeniferw
Sample : IC2972-2 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 07 11:48:27 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration





TIC: 1O82554.D\data.ms

(49) Isobutyl alcohol

3.842min (-0.012) 76.60ug/L

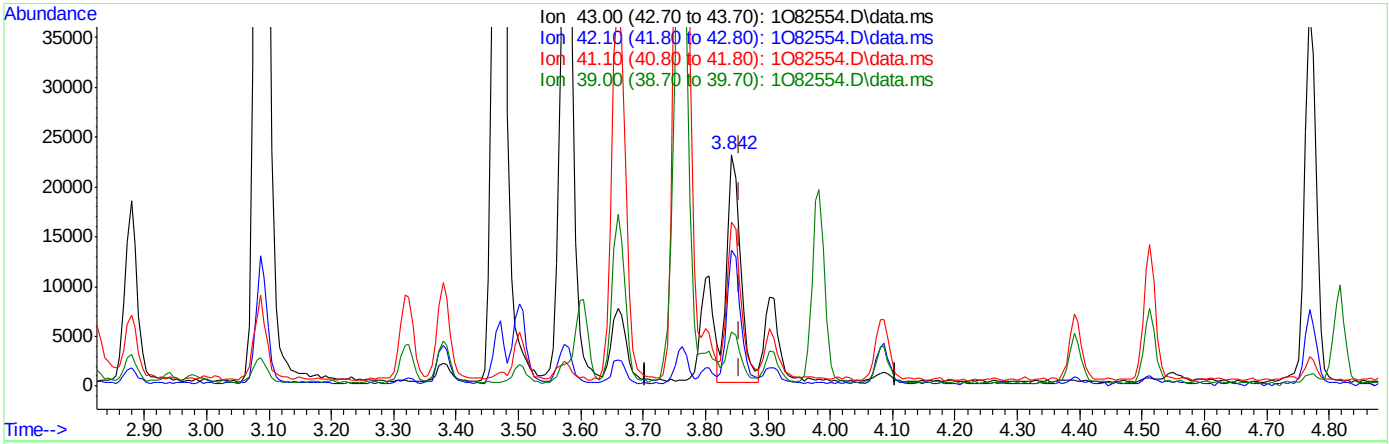
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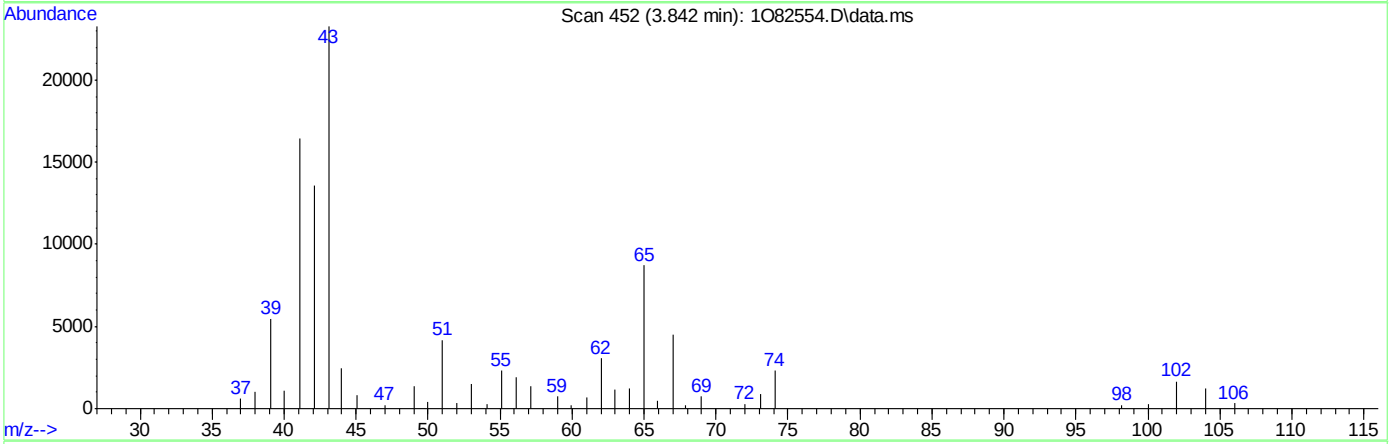
Ion	Exp%	Act%
43.00	100	100
42.10	58.50	58.30
41.10	77.50	67.63
39.00	31.30	21.19

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82554.D
Acq On : 7 Mar 2024 9:17 am
Operator : jeniferw
Sample : IC2972-2 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 07 11:48:27 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration





TIC: 1O82554.D\data.ms

(49) Isobutyl alcohol

3.842min (-0.012) 98.49ug/L m

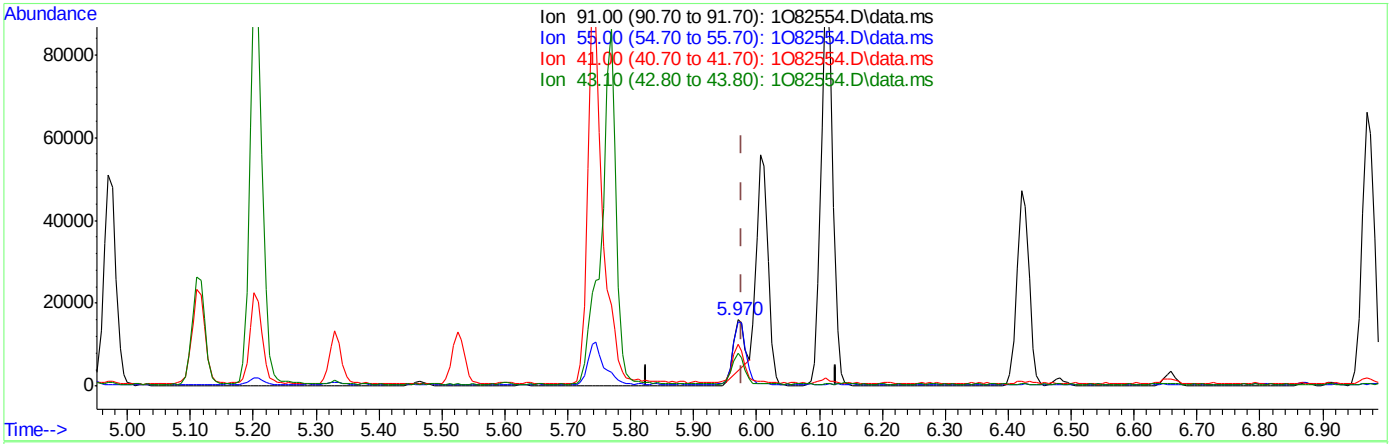
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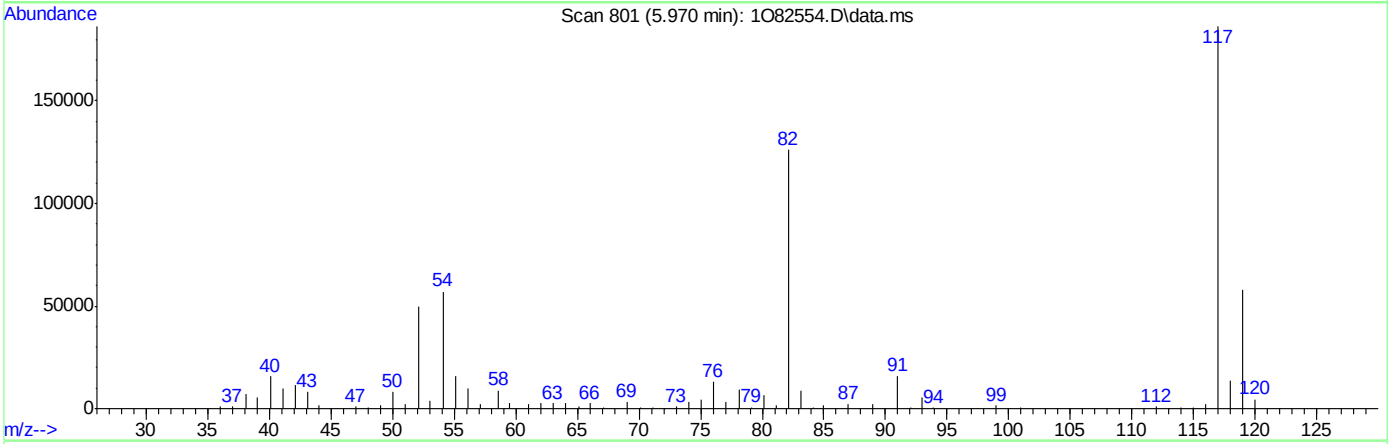
Ion	Exp%	Act%
43.00	100	100
42.10	58.50	58.50
41.10	77.50	70.77
39.00	31.30	23.36

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82554.D
Acq On : 7 Mar 2024 9:17 am
Operator : jeniferw
Sample : IC2972-2 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 07 11:48:27 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration





TIC: 1O82554.D\data.ms

(76) 1-Chlorohexane

5.970min (-0.006) 3.80ug/L

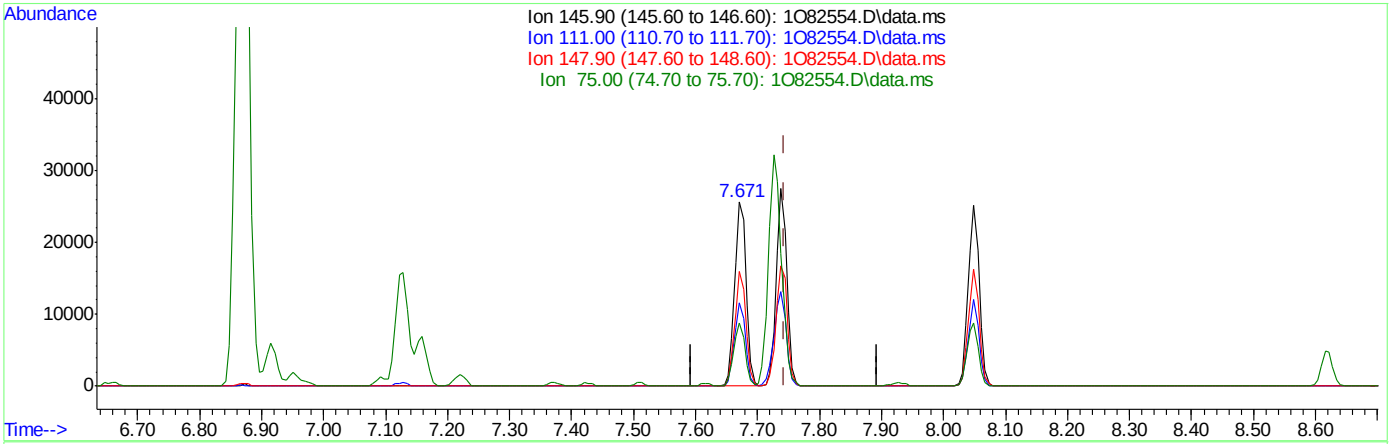
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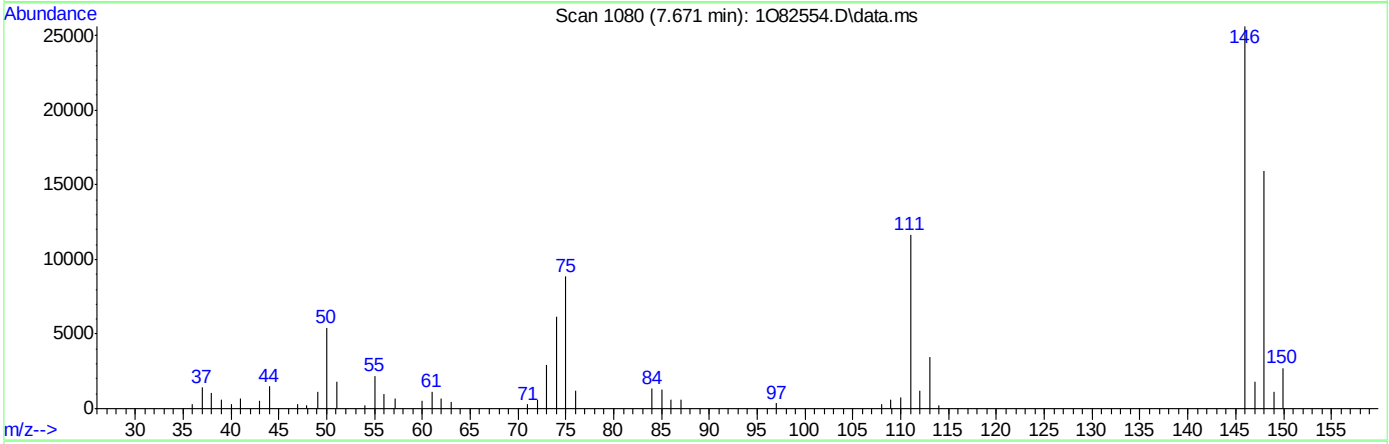
Ion	Exp%	Act%
91.00	100	100
55.00	67.60	96.19#
41.00	55.00	56.19
43.10	42.40	44.61

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82554.D
Acq On : 7 Mar 2024 9:17 am
Operator : jeniferw
Sample : IC2972-2 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 07 11:48:27 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration





TIC: 1O82554.D\data.ms

(105) 1,4-Dichlorobenzene

7.671min (-0.073) 5.26ug/L

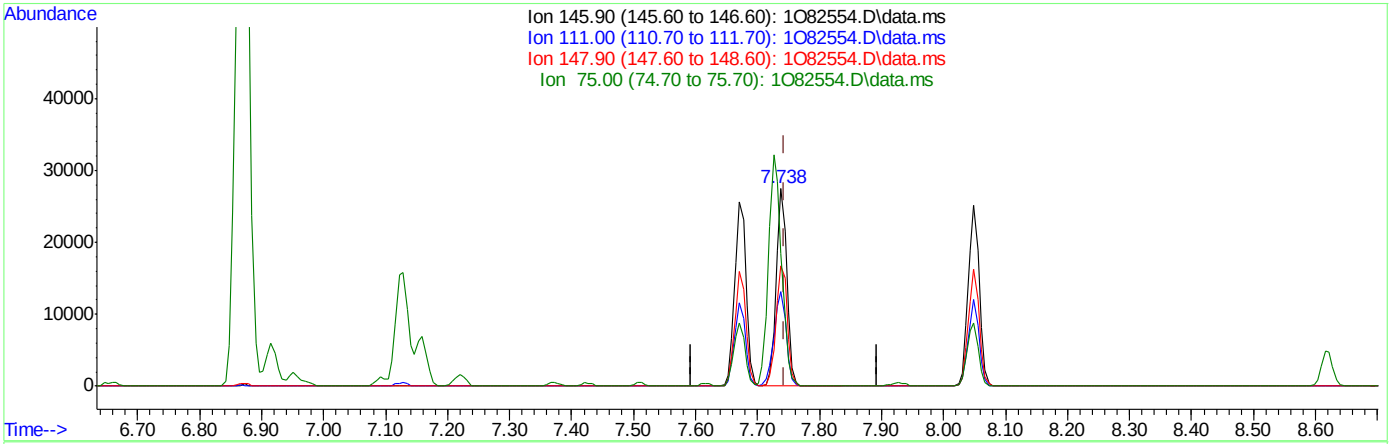
response 32672

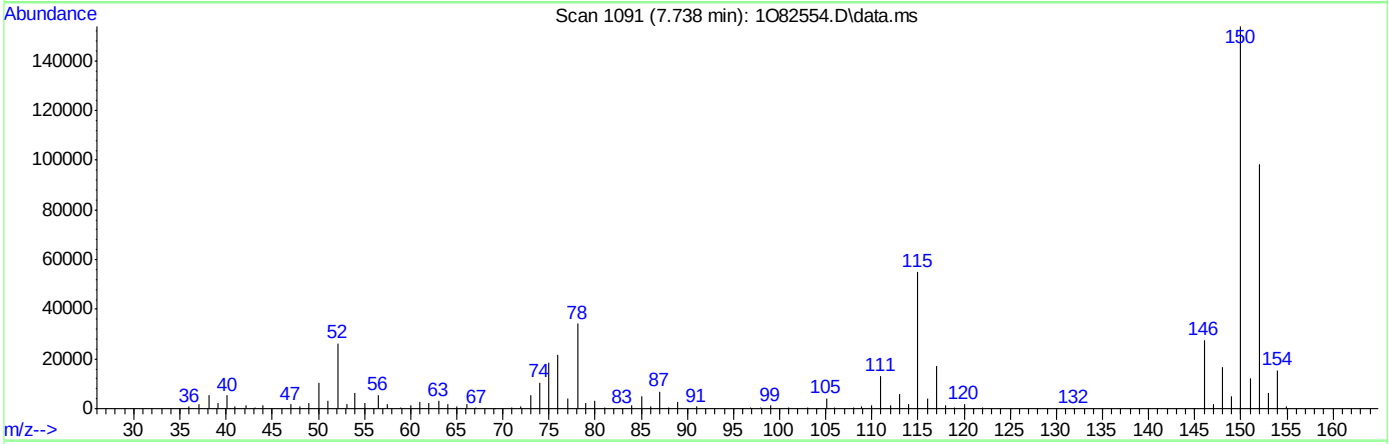
Ion	Exp%	Act%
145.90	100	100
111.00	40.40	45.40
147.90	64.50	62.27
75.00	30.90	34.59

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82554.D
Acq On : 7 Mar 2024 9:17 am
Operator : jeniferw
Sample : IC2972-2 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 07 11:48:27 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration





TIC: 1O82554.D\data.ms

(105) 1,4-Dichlorobenzene

7.738min (-0.006) 5.36ug/L m

response 33262

Ion	Exp%	Act%
145.90	100	100
111.00	40.40	47.97
147.90	64.50	60.59
75.00	30.90	66.98#

Manual Integrations APPROVED (compounds with "m" flag)
Neil Christiana 03/08/24 07:00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82555.D
Acq On : 7 Mar 2024 9:42 am
Operator : jeniferw
Sample : IC2972-3 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 07 11:52:48 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.983	96	727901	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.982	117	488063	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.726	152	263194	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.513	113	183289	46.56	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 93.12%			
50) 1,2-Dichloroethane-d4	3.818	65	232501	47.66	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 95.32%			
63) Toluene-d8	4.940	98	726594	52.20	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 104.40%			
86) 4-Bromofluorobenzene	6.872	174	186199	50.13	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.26%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.203	85	24522	9.24	ug/L	97
3) Chloromethane	1.355	50	32802	8.33	ug/L	96
4) 1,3-butadiene	1.422	39	31499	9.50	ug/L	76
5) Vinyl Chloride	1.410	62	34884	9.97	ug/L	99
6) Bromomethane	1.642	94	6486	6.47	ug/L	96
7) Chloroethane	1.721	64	8337	7.59	ug/L	97
8) Trichlorofluoromethane	1.818	101	37475	10.08	ug/L	98
9) Ethyl Ether	2.032	59	30776	9.27	ug/L	90
10) Ethanol	2.141	45	14548	174.41	ug/L	95
11) 1,2-Dichlorotrifluoroe...	2.154	67	34853	9.25	ug/L	89
12) 1,1-Dichloroethene	2.154	61	47170	10.01	ug/L	95
13) Freon 113	2.178	101	26442	8.77	ug/L	98
14) Carbon Disulfide	2.172	76	92574	10.06	ug/L	96
15) Iodomethane	2.239	142	4294	4.90	ug/L	96
16) Acrolein	2.355	56	56753	52.85	ug/L	99
17) Allyl chloride	2.440	41	42790	9.27	ug/L	86
18) Methylene Chloride	2.507	49	52696	10.89	ug/L	90
19) Acetone	2.532	43	83459	40.01	ug/L	88
20) Methyl acetate	2.605	43	204948	38.95	ug/L	98
21) trans-1,2-Dichloroethene	2.599	61	47782	9.71	ug/L	88
22) Hexane	2.647	56	25063	7.82	ug/L #	85
23) Methyl Tert Butyl Ether	2.666	73	94389	10.76	ug/L	89
24) Tert Butyl Alcohol	2.715	59	99692	104.14	ug/L	79
25) Acetonitrile	2.800	41	67265	86.81	ug/L	99
26) Di-isopropyl ether	2.879	45	101968	9.04	ug/L	92
27) Chloroprene	2.940	53	48245	9.97	ug/L	88
28) 1,1-Dichloroethane	2.952	63	61595	9.60	ug/L	98
29) Acrylonitrile	2.977	52	94017	43.99	ug/L	96
30) ETBE	3.086	59	108994	11.00	ug/L	90
31) Vinyl acetate	3.092	43	390519	52.25	ug/L	95
32) cis-1,2-Dichloroethene	3.263	96	32279	9.29	ug/L	91
33) 2,2-Dichloropropane	3.324	77	44080	11.77	ug/L	99
34) Bromochloromethane	3.373	128	15419	9.62	ug/L #	80
35) Cyclohexane	3.379	56	57808	9.88	ug/L #	81

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82555.D
Acq On : 7 Mar 2024 9:42 am
Operator : jeniferw
Sample : IC2972-3 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 07 11:52:48 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Chloroform	3.410	83	57256	9.34	ug/L		97
37) Ethyl acetate	3.470	43	266354	46.26	ug/L		96
38) Tetrahydrofuran	3.501	42	20353	8.19	ug/L		96
40) Carbon Tetrachloride	3.495	117	34974m	9.43	ug/L		
41) 1,1,1-Trichloroethane	3.538	97	45012	9.48	ug/L		96
42) 2-Butanone	3.580	43	154723	43.79	ug/L		97
43) 1,1-Dichloropropene	3.605	75	41076	9.92	ug/L		94
44) tert-Butyl formate	3.659	59	144136	72.50	ug/L	#	76
45) Propionitrile	3.751	54	99599	88.83	ug/L		97
46) Methacrylonitrile	3.763	41	289043	88.25	ug/L		95
47) Benzene	3.745	78	122714	9.56	ug/L		96
48) TAME	3.806	73	90977	11.92	ug/L		94
49) Isobutyl alcohol	3.848	43	68547m	193.60	ug/L		
51) 1,2-Dichloroethane	3.861	62	46697	9.20	ug/L		94
52) Tert Amyl Alcohol	3.909	59	83817	121.53	ug/L	#	73
53) Trichloroethene	4.086	95	32183	9.18	ug/L		95
54) Methylcyclohexane	4.086	83	45202	9.68	ug/L		88
55) Dibromomethane	4.336	93	20393	9.53	ug/L		95
56) 1,2-Dichloropropane	4.397	63	35233	10.15	ug/L		91
57) Bromodichloromethane	4.428	83	40885	10.14	ug/L		98
58) Methyl methacrylate	4.513	41	35570	10.83	ug/L		86
59) 1,4-Dioxane	4.550	88	13506	190.48	ug/L		82
60) 2-Chloroethyl vinyl ether	4.769	63	151319	56.85	ug/L		98
61) cis-1,3-Dichloropropene	4.818	75	50064	11.23	ug/L		96
64) Toluene	4.976	91	123958	9.99	ug/L		97
65) 2-Nitropropane	5.117	41	61976	43.26	ug/L		97
66) 4-Methyl-2-pentanone	5.208	43	267178	52.47	ug/L		93
67) trans-1,3-Dichloropropene	5.232	75	47826	10.45	ug/L		95
68) Tetrachloroethene	5.226	166	27442	9.20	ug/L		98
69) Ethyl methacrylate	5.330	69	45115	11.94	ug/L		94
70) 1,1,2-Trichloroethane	5.342	83	26771	10.14	ug/L		94
71) Dibromochloromethane	5.464	129	26850	8.80	ug/L		94
72) 1,3-Dichloropropane	5.525	76	51182	10.26	ug/L		93
73) 1,2-Dibromoethane	5.629	107	31821	10.65	ug/L		100
74) 3,3-dimethyl-1-butanol	5.744	57	493780	576.33	ug/L		90
75) 2-hexanone	5.769	43	284590	51.87	ug/L		88
76) 1-Chlorohexane	5.976	91	39045m	10.27	ug/L		
77) Ethylbenzene	6.007	91	136304	10.23	ug/L		96
78) Chlorobenzene	5.994	112	80881	9.96	ug/L		95
79) 1,1,1,2-Tetrachloroethane	6.037	131	26700	10.38	ug/L		97
80) m,p-Xylene	6.110	91	220063	21.53	ug/L		98
81) o-Xylene	6.427	91	114148	11.32	ug/L		98
82) Styrene	6.464	104	85634	10.37	ug/L		96
83) Bromoform	6.482	173	16778	8.56	ug/L		97
84) Isopropylbenzene	6.659	105	125368	11.17	ug/L		98
87) cis-1,4-Dichloro-2-butene	6.915	53	16013	10.33	ug/L	#	76
88) n-Propylbenzene	6.970	91	151630	10.92	ug/L		98
89) Bromobenzene	6.952	156	28982	10.03	ug/L		85
90) 1,1,2,2-Tetrachloroethane	7.019	83	49990	10.73	ug/L		98
91) 1,3,5-Trimethylbenzene	7.122	105	107904	11.58	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82555.D
Acq On : 7 Mar 2024 9:42 am
Operator : jeniferw
Sample : IC2972-3 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 07 11:52:48 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration

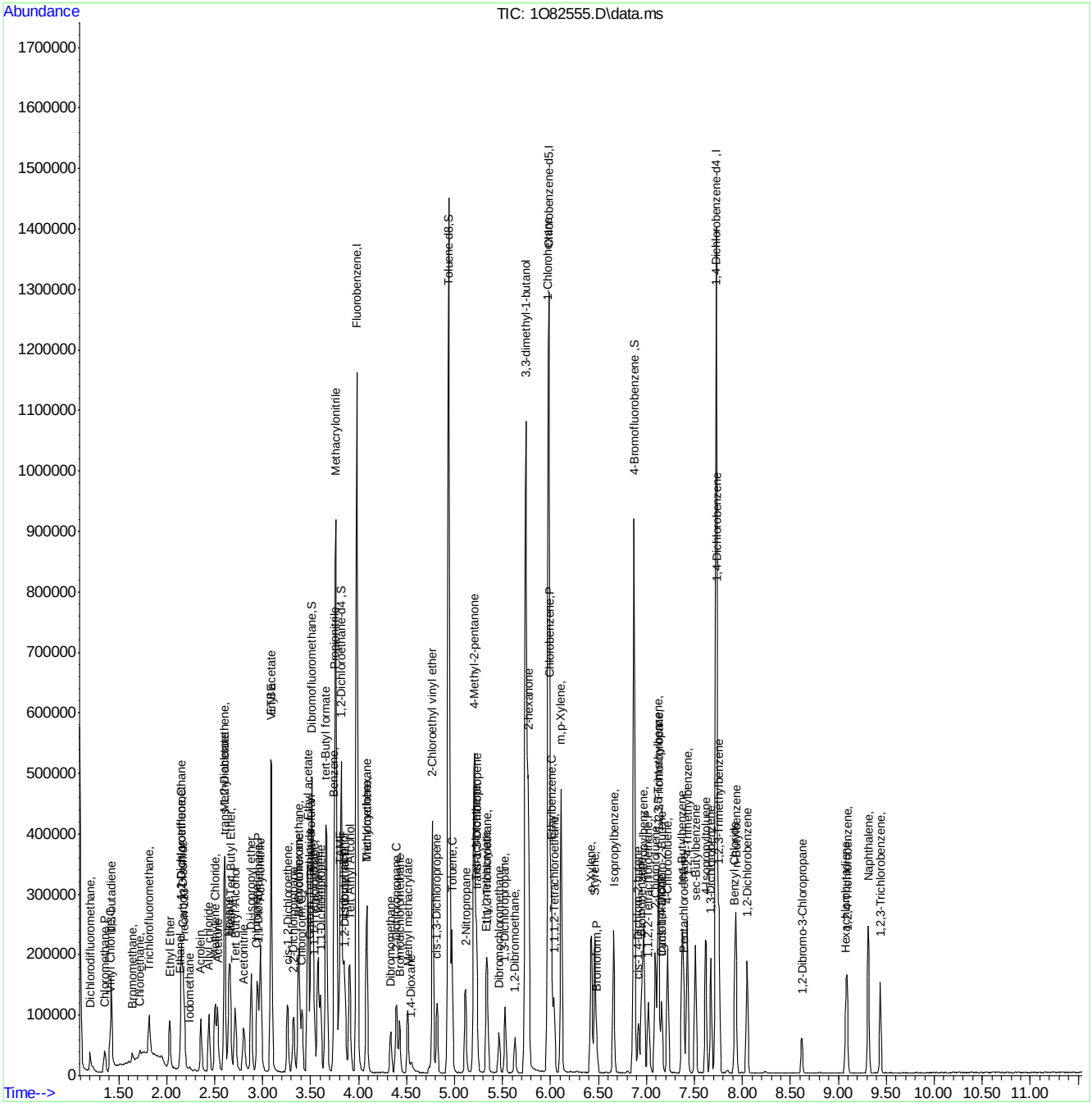
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92) 2-Chlorotoluene	7.092	91	106001	10.98	ug/L		95
93) trans-1,4-Dichloro-2-B...	7.159	53	13365	9.97	ug/L		89
94) 1,2,3-Trichloropropane	7.128	110	14871	10.84	ug/L		93
95) Cyclohexanone	7.159	55	15769	59.67	ug/L		89
96) 4-Chlorotoluene	7.220	91	99703	10.91	ug/L		92
97) tert-Butylbenzene	7.372	91	60226	11.47	ug/L		97
99) 1,2,4-Trimethylbenzene	7.427	105	109121	10.55	ug/L		98
100) Pentachloroethane	7.390	167	14424	9.88	ug/L	#	77
101) sec-Butylbenzene	7.512	105	122738	11.37	ug/L		99
102) 4-Isopropyltoluene	7.616	119	103351	10.31	ug/L		97
103) 1,3-Dichlorobenzene	7.671	146	58864	10.13	ug/L		95
104) 1,2,3-Trimethylbenzene	7.756	105	111617	11.04	ug/L		96
105) 1,4-Dichlorobenzene	7.738	146	58783	9.67	ug/L		85
106) n-Butylbenzene	7.933	92	56542	10.01	ug/L		91
107) Benzyl Chloride	7.921	126	16136	15.21	ug/L	#	57
108) 1,2-Dichlorobenzene	8.049	146	55767	10.00	ug/L		94
109) 1,2-Dibromo-3-Chloropr...	8.622	75	12068	11.52	ug/L		89
110) Hexachlorobutadiene	9.079	225	10993	9.51	ug/L		94
111) 1,2,4-Trichlorobenzene	9.091	180	32901	10.08	ug/L		97
112) Naphthalene	9.311	128	136131	10.37	ug/L		98
113) 1,2,3-Trichlorobenzene	9.439	180	31172	9.98	ug/L		97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82555.D
Acq On : 7 Mar 2024 9:42 am
Operator : jeniferw
Sample : IC2972-3 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 07 11:52:48 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration



Manual Integration Approval Summary

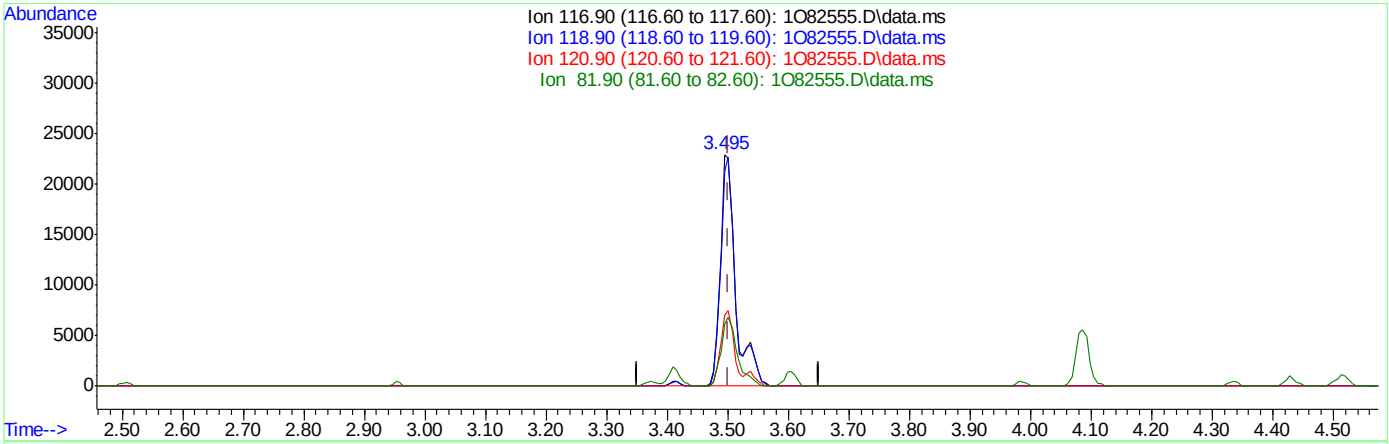
Sample Number: V1O2972-IC2972
Lab FileID: 1O82555.D
Injection Time: 03/07/24 09:42
Method: SW846 8260D
Analyst approved: 03/07/24 13:55 Jenifer Willis
Supervisor approved: 03/08/24 07:00 Neil Christiana

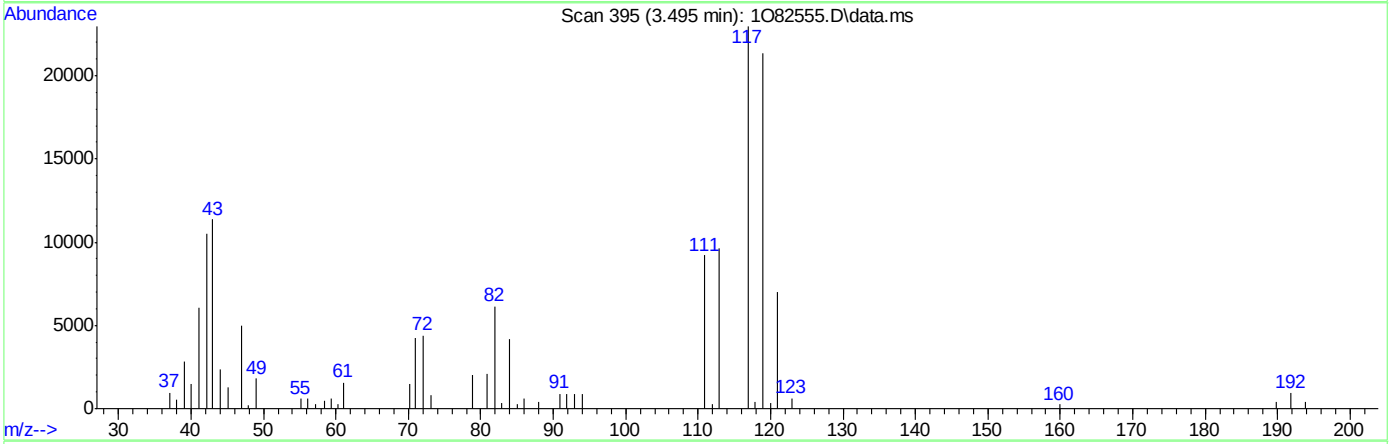
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.49	Overlapping peak
Isobutyl Alcohol	78-83-1		3.85	Poorly defined baseline
1-Chlorohexane	544-10-5		5.98	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82555.D
Acq On : 7 Mar 2024 9:42 am
Operator : jeniferw
Sample : IC2972-3 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 07 11:48:30 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration





TIC: 1O82555.D\data.ms

(40) Carbon Tetrachloride ( )

3.495min (-0.006) 10.76ug/L

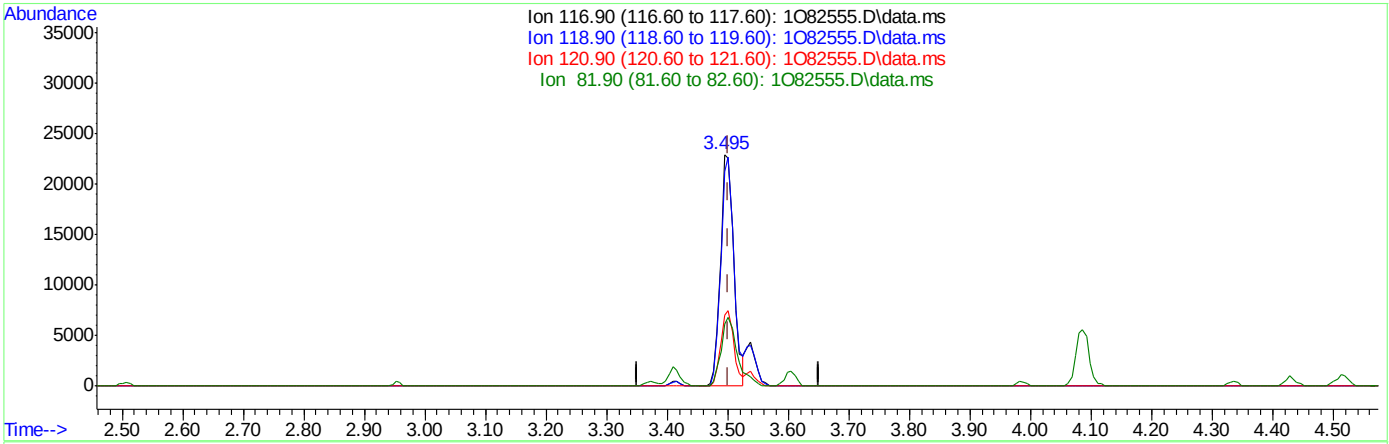
response 39903

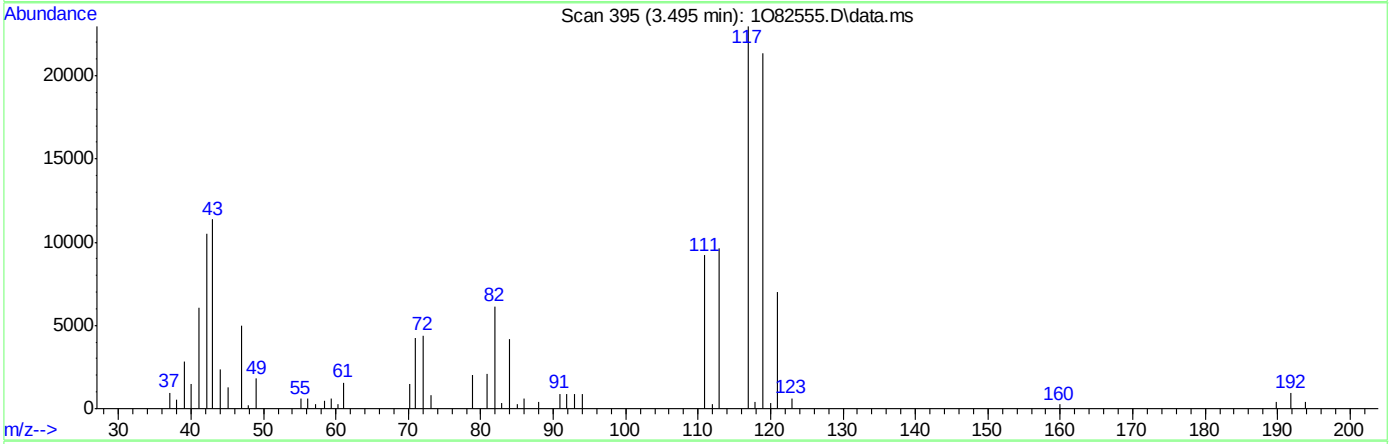
Ion	Exp%	Act%
116.90	100	100
118.90	99.30	92.82
120.90	31.50	30.56
81.90	24.40	26.77

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82555.D
Acq On : 7 Mar 2024 9:42 am
Operator : jeniferw
Sample : IC2972-3 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 07 11:48:30 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration





TIC: 1O82555.D\data.ms

(40) Carbon Tetrachloride ( )

3.495min (-0.006) 9.43ug/L m

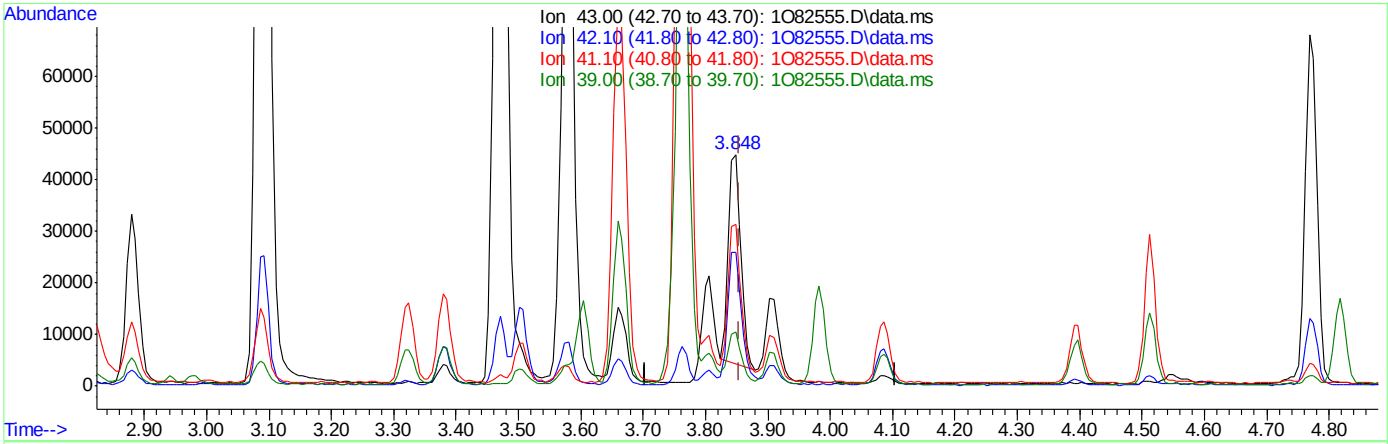
response 34974

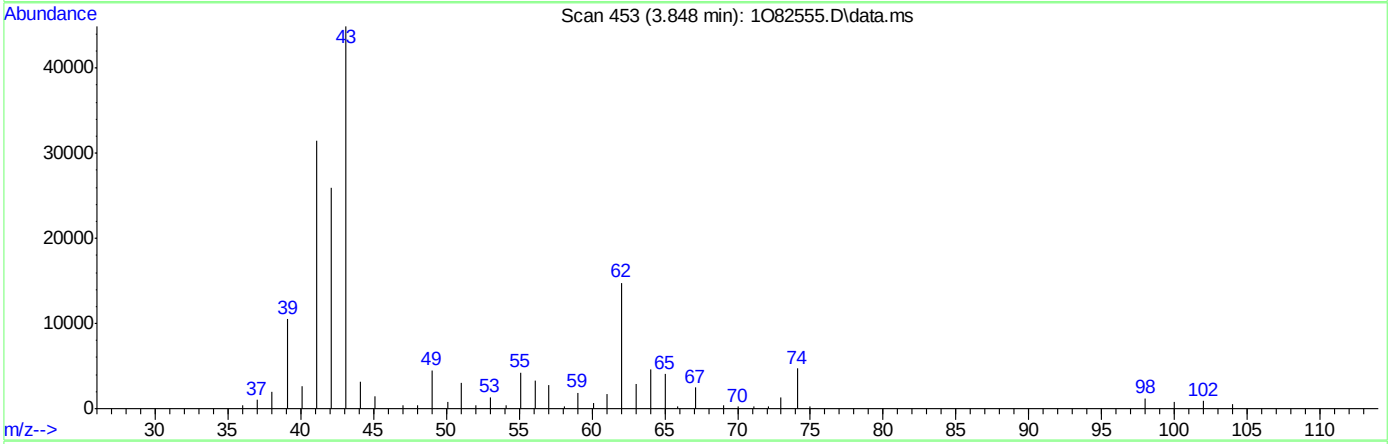
Ion	Exp%	Act%
116.90	100	100
118.90	99.30	92.82
120.90	31.50	30.56
81.90	24.40	26.77

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82555.D
Acq On : 7 Mar 2024 9:42 am
Operator : jeniferw
Sample : IC2972-3 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 07 11:48:30 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration





TIC: 1O82555.D\data.ms

(49) Isobutyl alcohol

3.848min (-0.006) 158.13ug/L

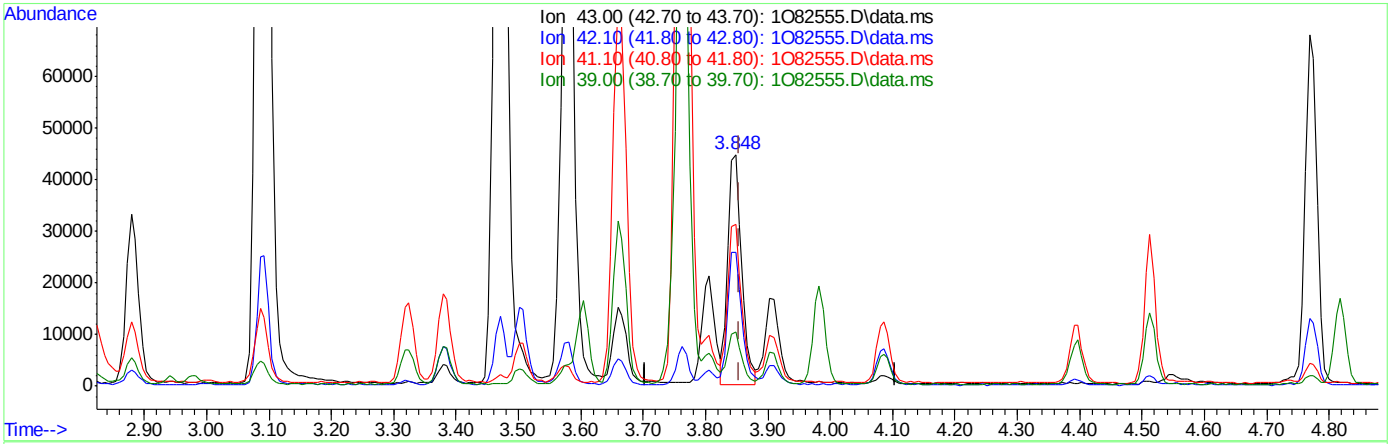
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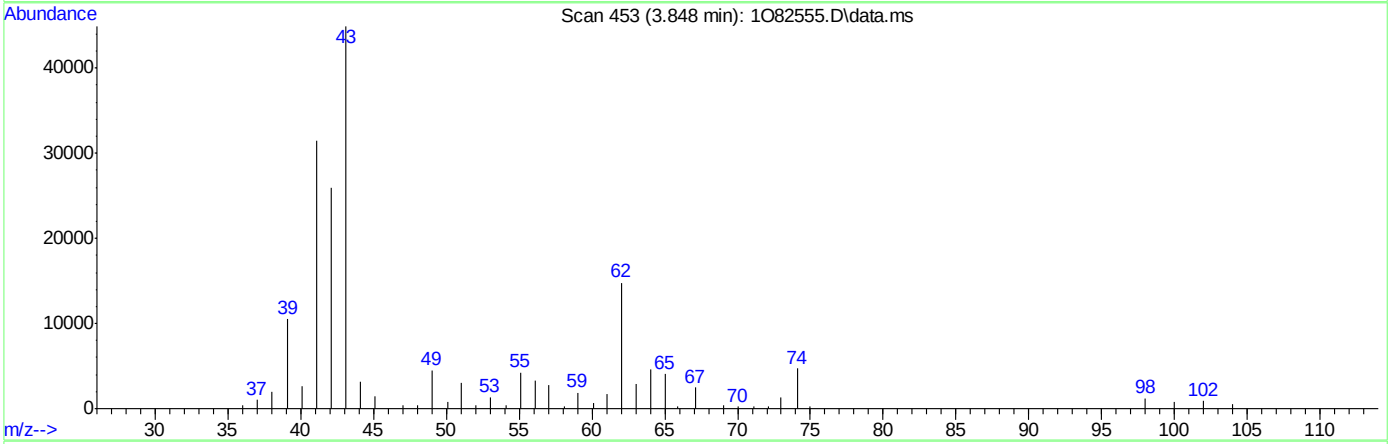
Ion	Exp%	Act%
43.00	100	100
42.10	58.50	57.88
41.10	77.50	68.79
39.00	31.30	22.55

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82555.D
Acq On : 7 Mar 2024 9:42 am
Operator : jeniferw
Sample : IC2972-3 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 07 11:48:30 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration





TIC: 1O82555.D\data.ms

(49) Isobutyl alcohol

3.848min (-0.006) 193.60ug/L m

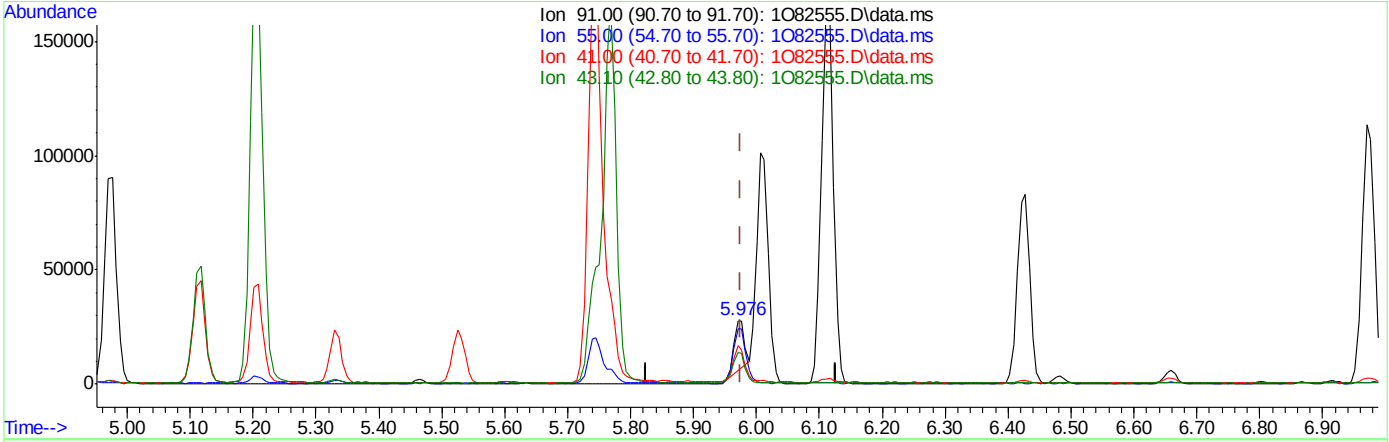
response 68547

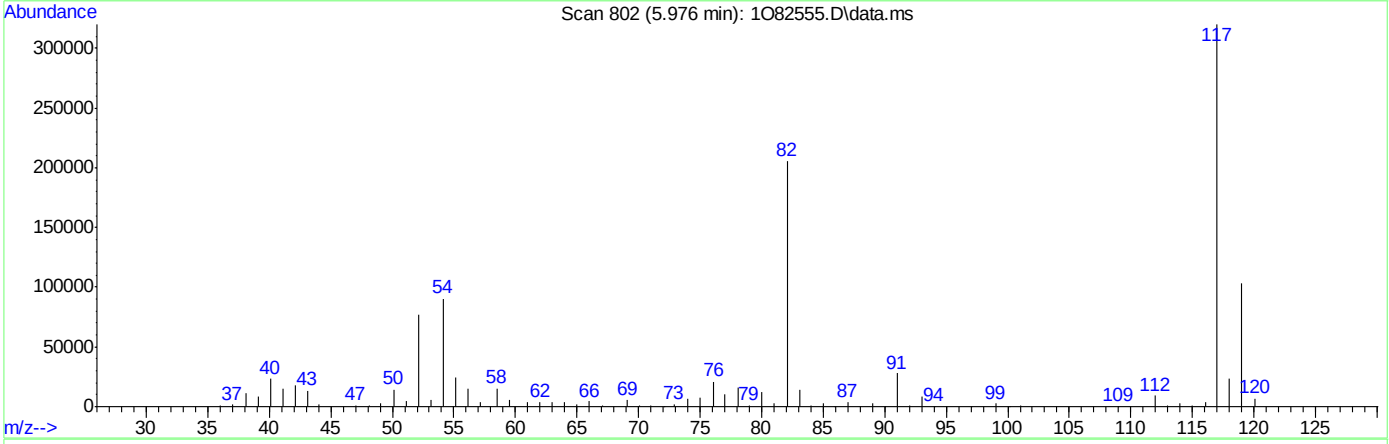
Ion	Exp%	Act%
43.00	100	100
42.10	58.50	57.86
41.10	77.50	69.99
39.00	31.30	23.39

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82555.D
Acq On : 7 Mar 2024 9:42 am
Operator : jeniferw
Sample : IC2972-3 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 07 11:48:30 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration





TIC: 1O82555.D\data.ms

(76) 1-Chlorohexane

5.976min (-0.000) 6.97ug/L

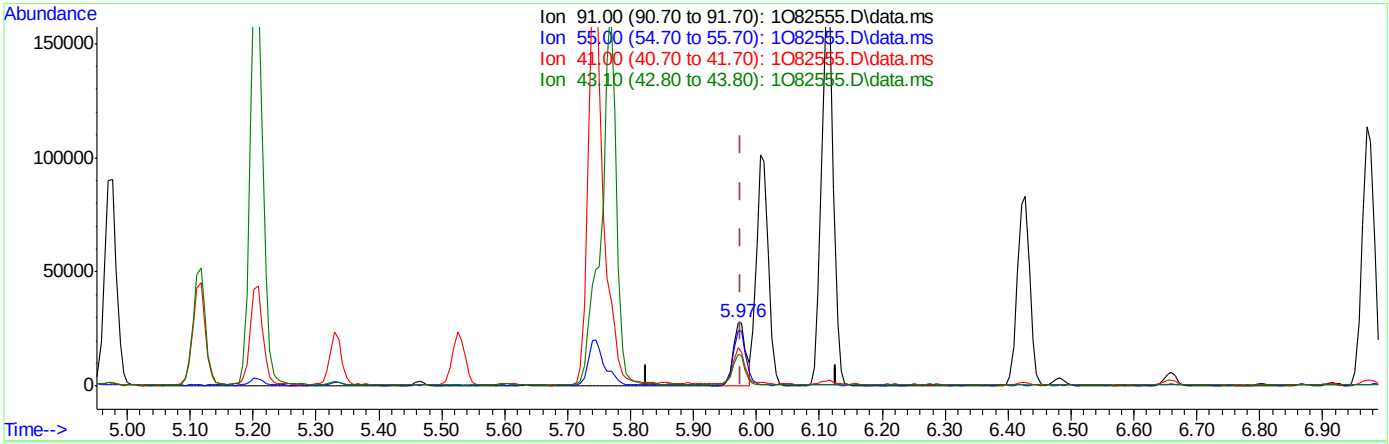
response 26491

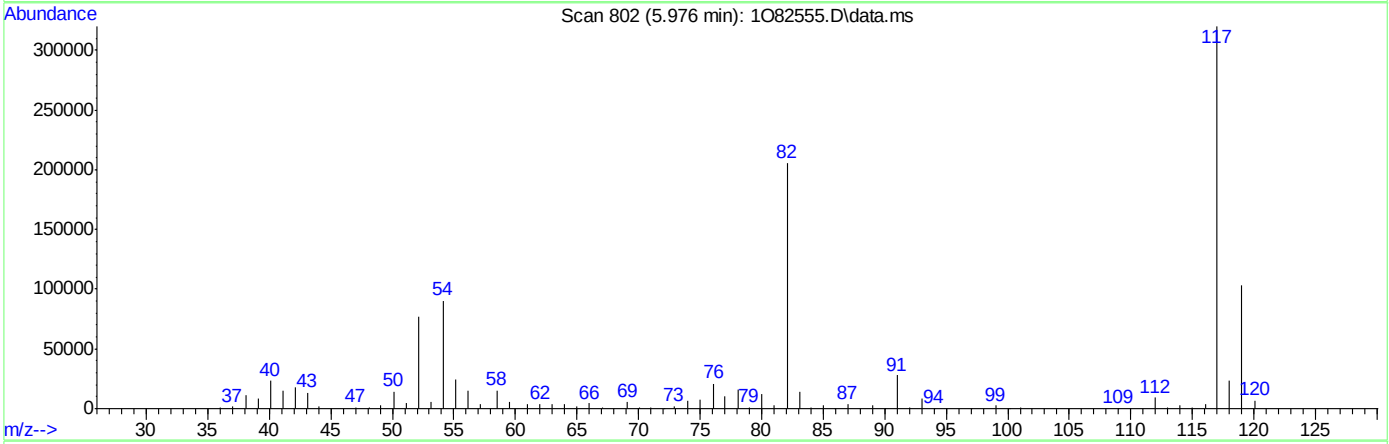
Ion	Exp%	Act%
91.00	100	100
55.00	67.60	84.86
41.00	55.00	49.48
43.10	42.40	44.77

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82555.D
Acq On : 7 Mar 2024 9:42 am
Operator : jeniferw
Sample : IC2972-3 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 07 11:48:30 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration





TIC: 1O82555.D\data.ms

(76) 1-Chlorohexane

5.976min (-0.000) 10.27ug/L m

response 39045

Ion	Exp%	Act%
91.00	100	100
55.00	67.60	86.93
41.00	55.00	54.03
43.10	42.40	47.83

Manual Integrations APPROVED (compounds with "m" flag)
Neil Christiana 03/08/24 07:00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82556.D
Acq On : 7 Mar 2024 10:08 am
Operator : jeniferw
Sample : IC2972-4 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 07 11:53:22 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	3.983	96	715411	50.00	ug/L		0.00
62) Chlorobenzene-d5	5.982	117	478780	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	7.726	152	254330	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	3.513	113	180381	46.62	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 93.24%				
50) 1,2-Dichloroethane-d4	3.818	65	225538	47.04	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 94.08%				
63) Toluene-d8	4.940	98	706828	51.76	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 103.52%				
86) 4-Bromofluorobenzene	6.872	174	181694	50.62	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.24%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.197	85	58083	22.27	ug/L		98
3) Chloromethane	1.349	50	75903	19.62	ug/L		100
4) 1,3-butadiene	1.422	39	70391	21.59	ug/L	#	73
5) Vinyl Chloride	1.404	62	83095	24.17	ug/L		95
6) Bromomethane	1.636	94	17032	17.28	ug/L		95
7) Chloroethane	1.721	64	18008	17.32	ug/L		95
8) Trichlorofluoromethane	1.818	101	87071	23.84	ug/L		99
9) Ethyl Ether	2.032	59	70407	21.58	ug/L		90
10) Ethanol	2.135	45	33161	404.49	ug/L		90
11) 1,2-Dichlorotrifluoroe...	2.154	67	81247	21.95	ug/L		88
12) 1,1-Dichloroethene	2.148	61	109977	23.75	ug/L		91
13) Freon 113	2.178	101	61033	20.60	ug/L		98
14) Carbon Disulfide	2.166	76	214628	23.72	ug/L		100
15) Iodomethane	2.239	142	18465	18.24	ug/L		98
16) Acrolein	2.355	56	131274	124.37	ug/L		97
17) Allyl chloride	2.440	41	104223	22.98	ug/L		88
18) Methylene Chloride	2.501	49	107994	22.70	ug/L		87
19) Acetone	2.526	43	190529	92.94	ug/L		90
20) Methyl acetate	2.605	43	501015	96.89	ug/L		98
21) trans-1,2-Dichloroethene	2.599	61	112816	23.34	ug/L		90
22) Hexane	2.648	56	58802	18.66	ug/L	#	88
23) Methyl Tert Butyl Ether	2.660	73	222312	25.79	ug/L		93
24) Tert Butyl Alcohol	2.715	59	239049	254.08	ug/L		79
25) Acetonitrile	2.800	41	159122	208.94	ug/L		97
26) Di-isopropyl ether	2.879	45	248206	22.38	ug/L		90
27) Chloroprene	2.940	53	117020	24.61	ug/L		90
28) 1,1-Dichloroethane	2.952	63	144023	22.84	ug/L		97
29) Acrylonitrile	2.977	52	220985	105.21	ug/L		98
30) ETBE	3.087	59	258829	26.57	ug/L		91
31) Vinyl acetate	3.087	43	885422	120.54	ug/L		95
32) cis-1,2-Dichloroethene	3.257	96	76899	22.53	ug/L		86
33) 2,2-Dichloropropane	3.324	77	99335	26.99	ug/L		98
34) Bromochloromethane	3.373	128	35710	22.67	ug/L	#	79
35) Cyclohexane	3.379	56	131865	22.92	ug/L	#	81

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82556.D
Acq On : 7 Mar 2024 10:08 am
Operator : jeniferw
Sample : IC2972-4 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 07 11:53:22 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Chloroform	3.410	83	133417	22.14	ug/L		97
37) Ethyl acetate	3.471	43	617112	109.06	ug/L		98
38) Tetrahydrofuran	3.501	42	49325	20.20	ug/L		96
40) Carbon Tetrachloride	3.495	117	82822m	22.72	ug/L		
41) 1,1,1-Trichloroethane	3.538	97	103354	22.15	ug/L		96
42) 2-Butanone	3.580	43	355183	102.29	ug/L		100
43) 1,1-Dichloropropene	3.605	75	93814	23.06	ug/L		96
44) tert-Butyl formate	3.660	59	345426	176.79	ug/L	#	74
45) Propionitrile	3.751	54	240611	218.33	ug/L		93
46) Methacrylonitrile	3.763	41	710423	220.70	ug/L		95
47) Benzene	3.745	78	285418	22.64	ug/L		97
48) TAME	3.806	73	219184	29.21	ug/L		94
49) Isobutyl alcohol	3.849	43	170259m	489.25	ug/L		
51) 1,2-Dichloroethane	3.861	62	107773	21.61	ug/L		97
52) Tert Amyl Alcohol	3.910	59	197022	290.65	ug/L	#	72
53) Trichloroethene	4.086	95	76669	22.25	ug/L		92
54) Methylcyclohexane	4.086	83	106750	23.27	ug/L		88
55) Dibromomethane	4.336	93	49137	23.37	ug/L		96
56) 1,2-Dichloropropane	4.397	63	83133	24.37	ug/L		89
57) Bromodichloromethane	4.428	83	97953	24.72	ug/L		95
58) Methyl methacrylate	4.513	41	84978	26.33	ug/L		91
59) 1,4-Dioxane	4.550	88	30303	434.85	ug/L		78
60) 2-Chloroethyl vinyl ether	4.769	63	346346	132.39	ug/L		97
61) cis-1,3-Dichloropropene	4.818	75	120139	27.42	ug/L		97
64) Toluene	4.970	91	292501	24.04	ug/L		99
65) 2-Nitropropane	5.117	41	155423	110.59	ug/L		98
66) 4-Methyl-2-pentanone	5.202	43	620289	124.19	ug/L		95
67) trans-1,3-Dichloropropene	5.232	75	112991	25.18	ug/L		97
68) Tetrachloroethene	5.226	166	63049	21.55	ug/L		97
69) Ethyl methacrylate	5.330	69	110703	29.87	ug/L		94
70) 1,1,2-Trichloroethane	5.342	83	62786	24.25	ug/L		94
71) Dibromochloromethane	5.464	129	68263	22.81	ug/L		99
72) 1,3-Dichloropropane	5.525	76	120314	24.58	ug/L		94
73) 1,2-Dibromoethane	5.629	107	74832	25.54	ug/L		100
74) 3,3-dimethyl-1-butanol	5.745	57	1146460	1364.06	ug/L		89
75) 2-hexanone	5.769	43	644187	119.69	ug/L		88
76) 1-Chlorohexane	5.970	91	90331m	24.22	ug/L		
77) Ethylbenzene	6.007	91	317850	24.31	ug/L		97
78) Chlorobenzene	5.995	112	188796	23.71	ug/L		95
79) 1,1,1,2-Tetrachloroethane	6.037	131	62573	24.80	ug/L		96
80) m,p-Xylene	6.110	91	502272	50.09	ug/L		98
81) o-Xylene	6.427	91	264645	26.76	ug/L		100
82) Styrene	6.464	104	207500	25.61	ug/L		96
83) Bromoform	6.482	173	41093	21.37	ug/L		98
84) Isopropylbenzene	6.659	105	296462	26.93	ug/L		99
87) cis-1,4-Dichloro-2-butene	6.915	53	39565	26.41	ug/L	#	80
88) n-Propylbenzene	6.970	91	363215	27.08	ug/L		97
89) Bromobenzene	6.952	156	69784	24.98	ug/L		86
90) 1,1,2,2-Tetrachloroethane	7.019	83	119232	26.49	ug/L		99
91) 1,3,5-Trimethylbenzene	7.122	105	257720	28.61	ug/L		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82556.D
Acq On : 7 Mar 2024 10:08 am
Operator : jeniferw
Sample : IC2972-4 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 07 11:53:22 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration

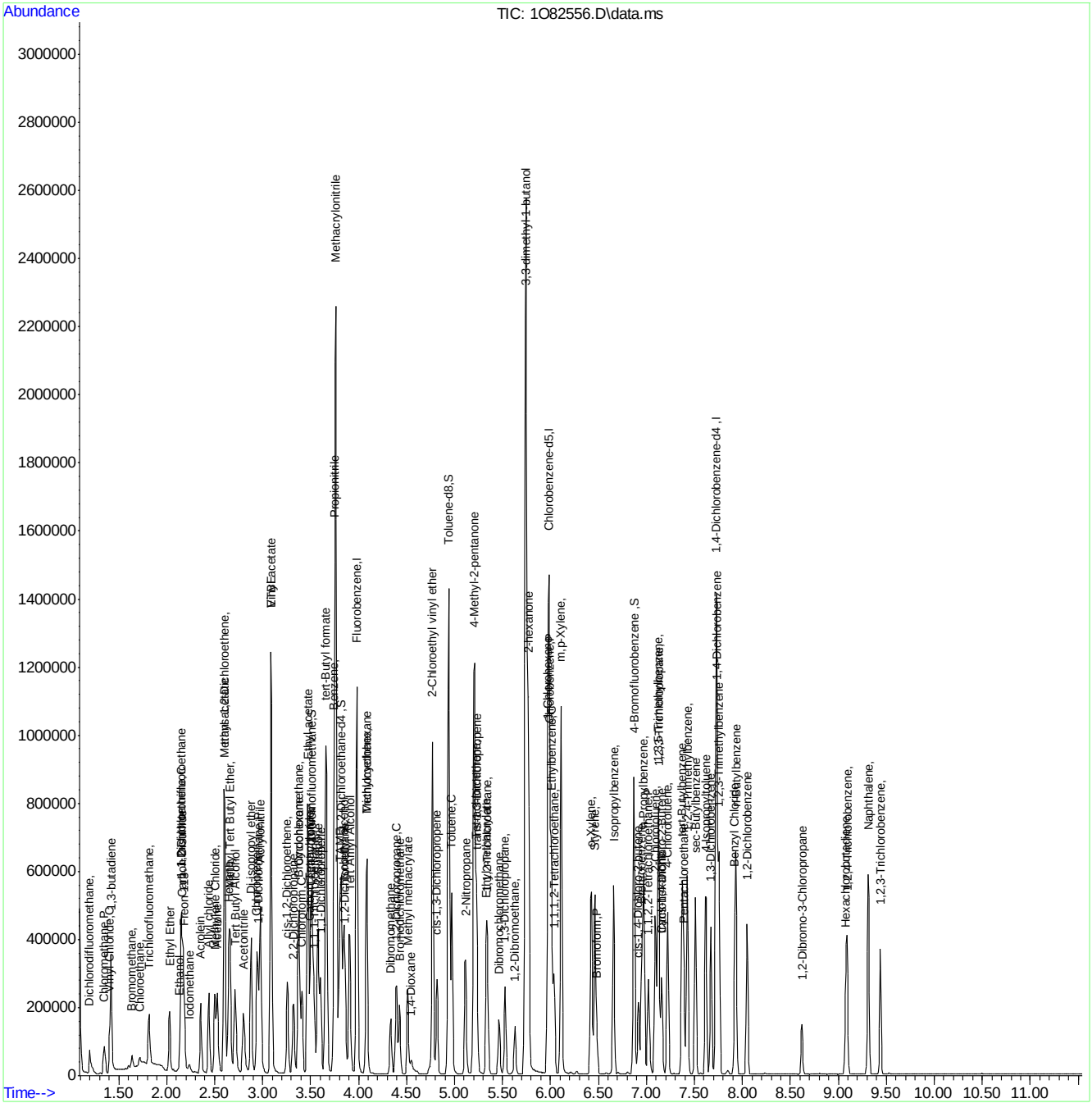
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92)	2-Chlorotoluene	7.092	91	246327	26.39	ug/L		95
93)	trans-1,4-Dichloro-2-B...	7.159	53	30363	23.45	ug/L		98
94)	1,2,3-Trichloropropane	7.128	110	33908	25.58	ug/L		88
95)	Cyclohexanone	7.159	55	36201	141.77	ug/L		88
96)	4-Chlorotoluene	7.220	91	235662	26.68	ug/L		94
97)	tert-Butylbenzene	7.372	91	141829	27.95	ug/L		96
99)	1,2,4-Trimethylbenzene	7.427	105	260565	26.07	ug/L		98
100)	Pentachloroethane	7.391	167	35641	25.26	ug/L	#	76
101)	sec-Butylbenzene	7.512	105	290752	27.87	ug/L		99
102)	4-Isopropyltoluene	7.622	119	249174	25.71	ug/L		99
103)	1,3-Dichlorobenzene	7.671	146	137657	24.52	ug/L		94
104)	1,2,3-Trimethylbenzene	7.756	105	268434	27.49	ug/L		96
105)	1,4-Dichlorobenzene	7.738	146	138857	23.64	ug/L		91
106)	n-Butylbenzene	7.933	92	138156	25.32	ug/L		87
107)	Benzyl Chloride	7.921	126	40127	34.75	ug/L	#	55
108)	1,2-Dichlorobenzene	8.049	146	131006	24.30	ug/L		95
109)	1,2-Dibromo-3-Chloropr...	8.622	75	29359	28.99	ug/L		91
110)	Hexachlorobutadiene	9.079	225	27745	24.83	ug/L		93
111)	1,2,4-Trichlorobenzene	9.091	180	81166	25.73	ug/L		94
112)	Naphthalene	9.311	128	334078	26.33	ug/L		99
113)	1,2,3-Trichlorobenzene	9.439	180	76977	25.51	ug/L		96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82556.D
Acq On : 7 Mar 2024 10:08 am
Operator : jeniferw
Sample : IC2972-4 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 07 11:53:22 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration



Manual Integration Approval Summary

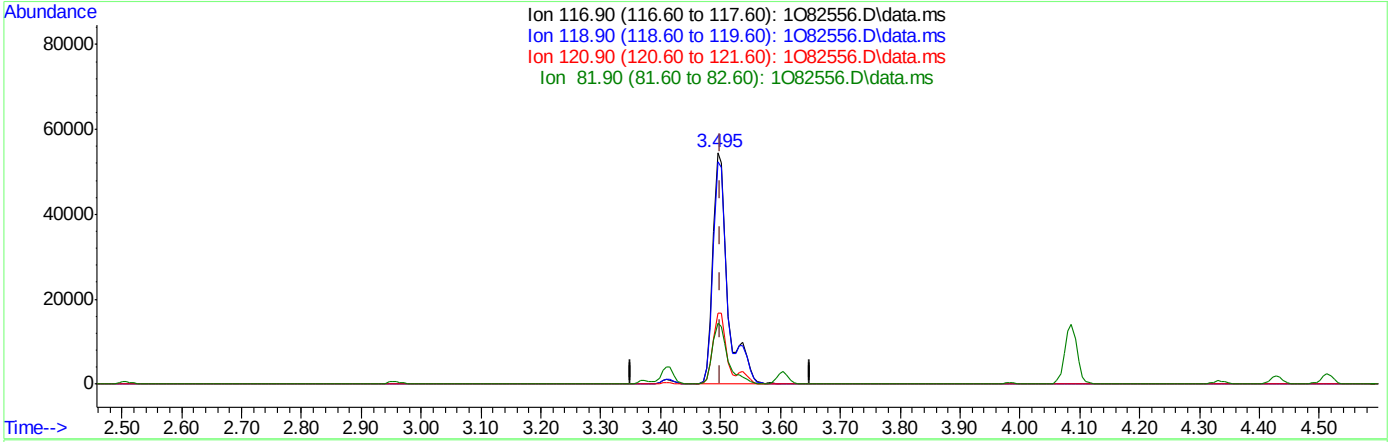
Sample Number: V1O2972-IC2972
Lab FileID: 1O82556.D
Injection Time: 03/07/24 10:08
Method: SW846 8260D
Analyst approved: 03/07/24 13:55 Jenifer Willis
Supervisor approved: 03/08/24 07:00 Neil Christiana

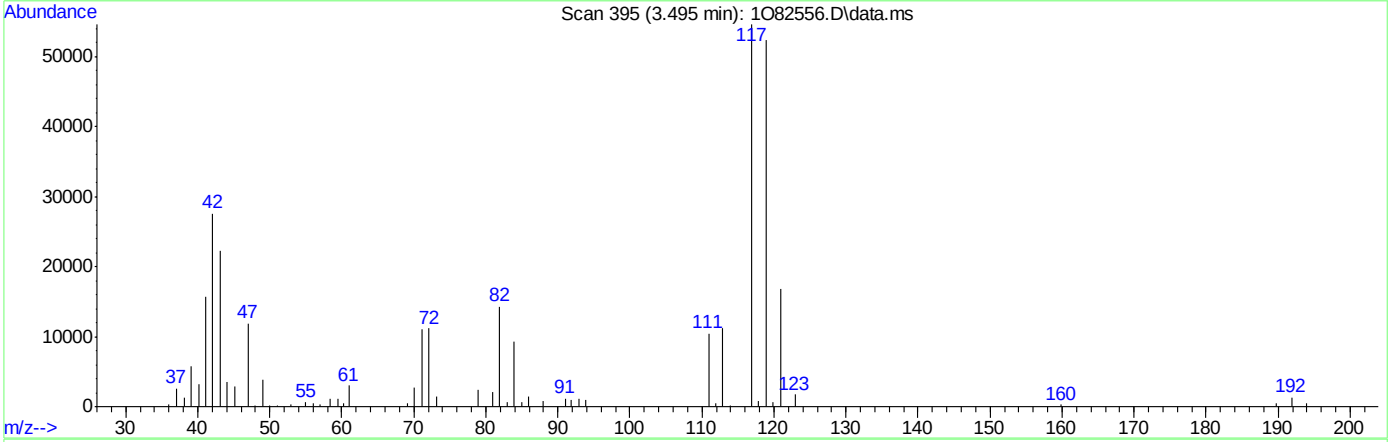
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.49	Overlapping peak
Isobutyl Alcohol	78-83-1		3.85	Poorly defined baseline
1-Chlorohexane	544-10-5		5.97	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82556.D
Acq On : 7 Mar 2024 10:08 am
Operator : jeniferw
Sample : IC2972-4 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 07 11:48:33 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration





TIC: 1O82556.D\data.ms

(40) Carbon Tetrachloride ( )

3.495min (-0.006) 25.89ug/L

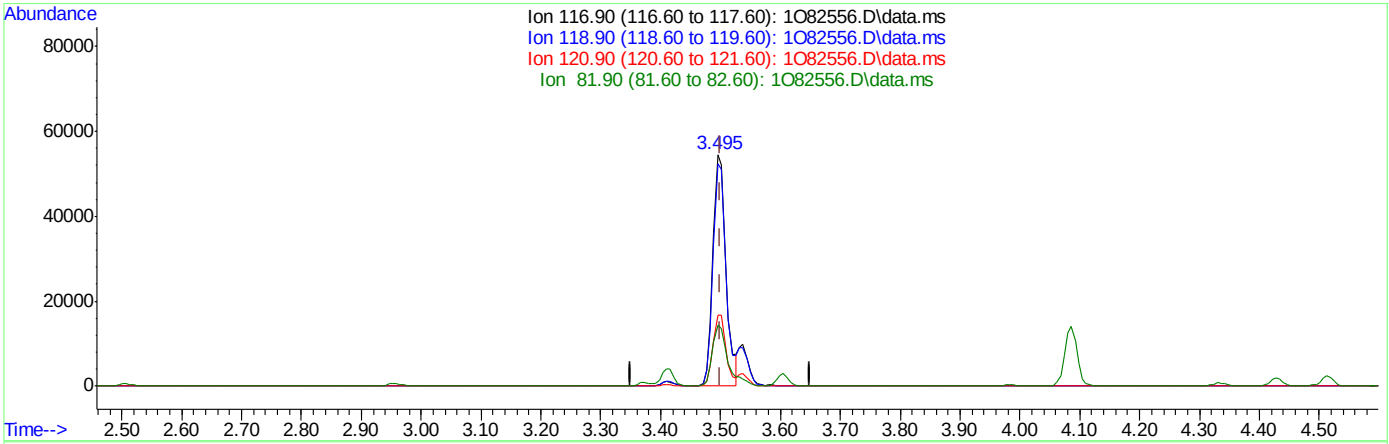
response 94382

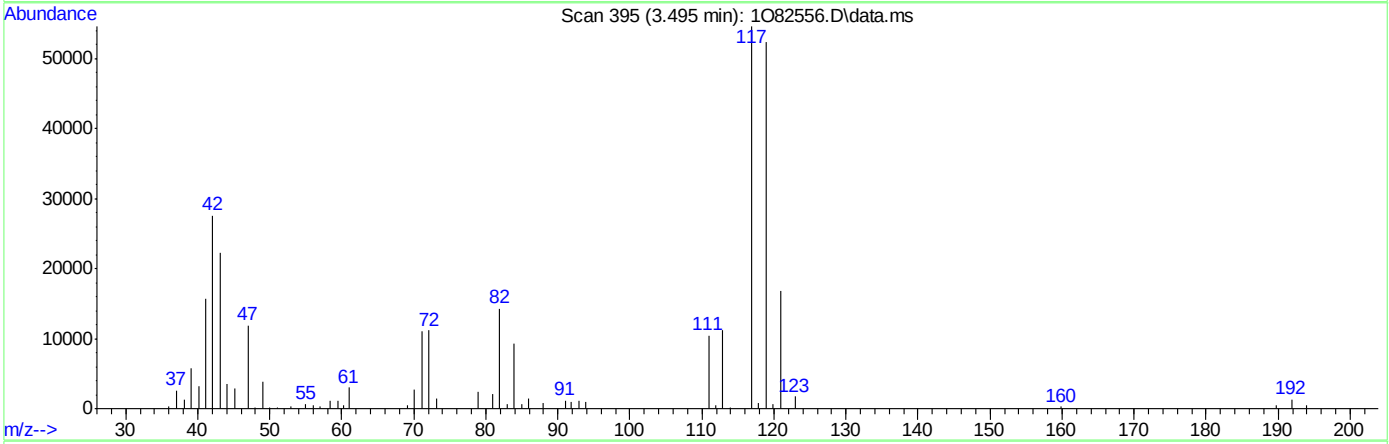
Ion	Exp%	Act%
116.90	100	100
118.90	99.30	95.82
120.90	31.50	30.69
81.90	24.40	26.22

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82556.D
Acq On : 7 Mar 2024 10:08 am
Operator : jeniferw
Sample : IC2972-4 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 07 11:48:33 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration





TIC: 1O82556.D\data.ms

(40) Carbon Tetrachloride ( )

3.495min (-0.006) 22.72ug/L m

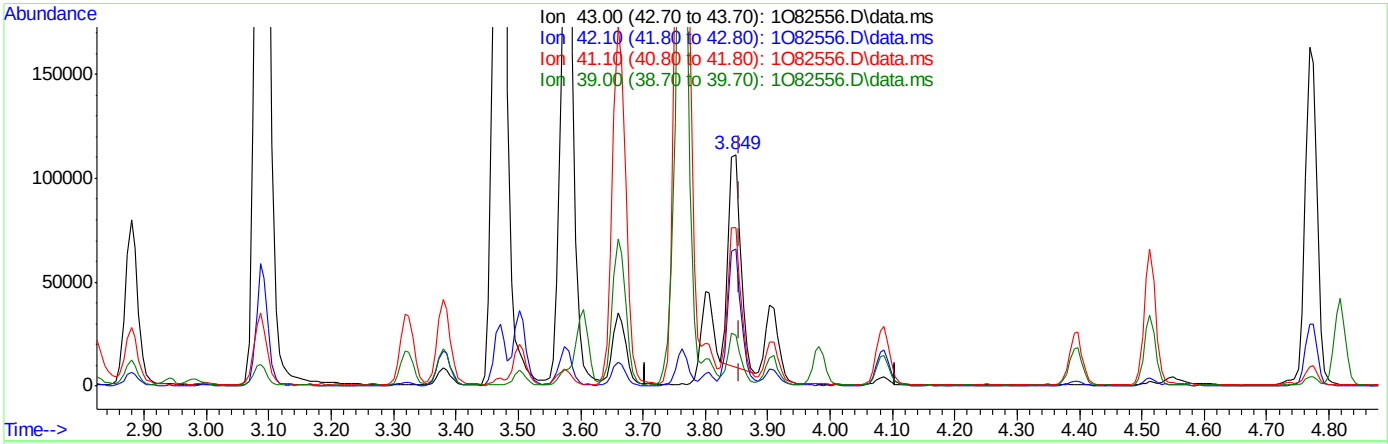
response 82822

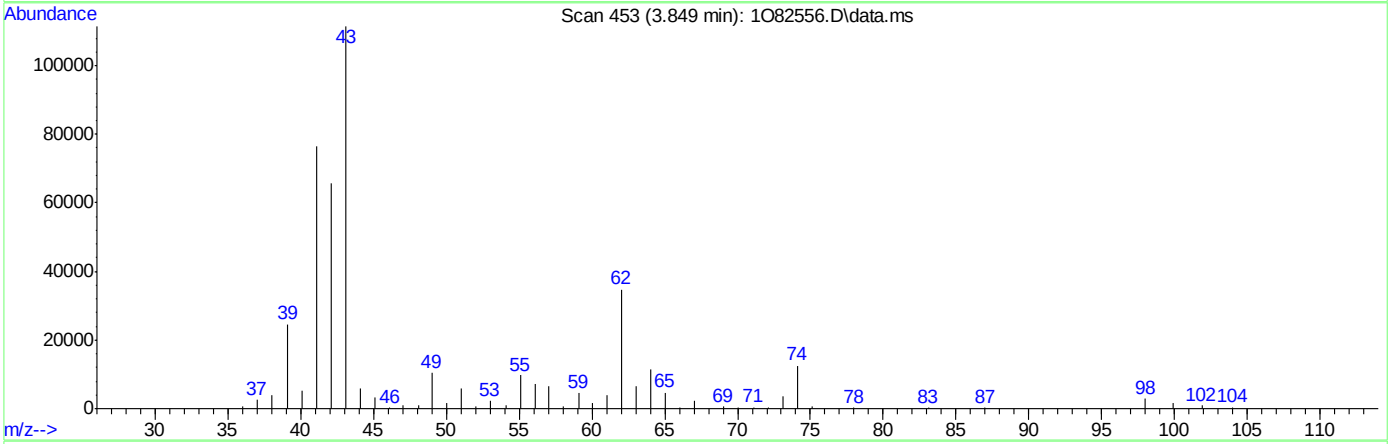
Ion	Exp%	Act%
116.90	100	100
118.90	99.30	95.82
120.90	31.50	30.69
81.90	24.40	26.22

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82556.D
Acq On : 7 Mar 2024 10:08 am
Operator : jeniferw
Sample : IC2972-4 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 07 11:48:33 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration





TIC: 1O82556.D\data.ms

(49) Isobutyl alcohol

3.849min (-0.006) 404.10ug/L

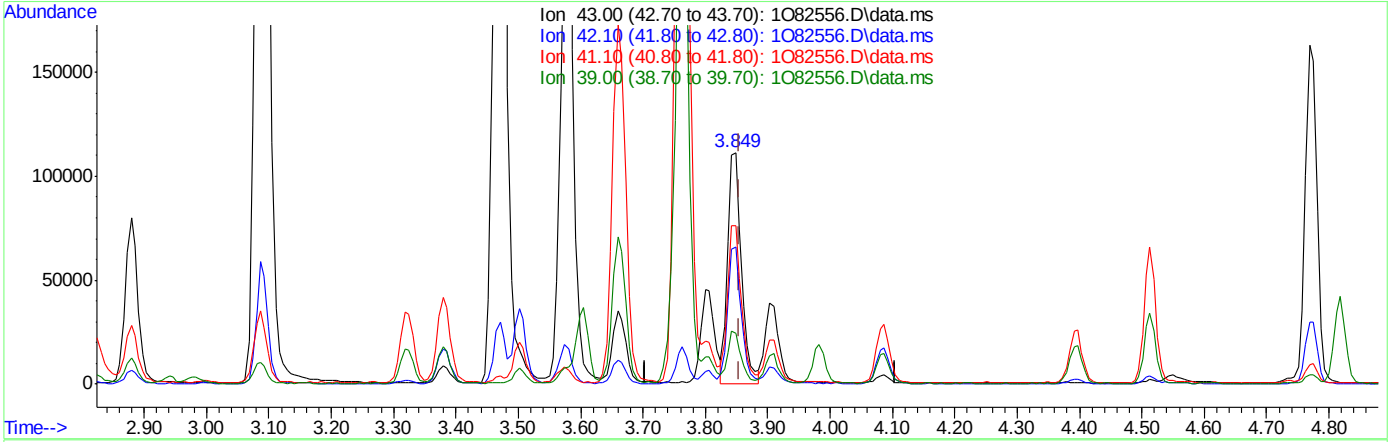
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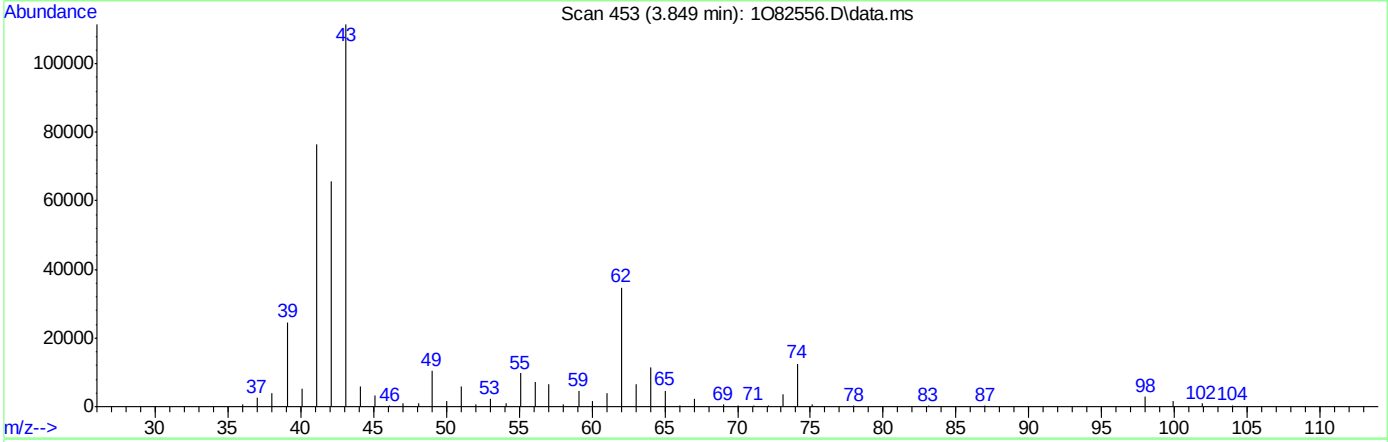
Ion	Exp%	Act%
43.00	100	100
42.10	58.50	59.34
41.10	77.50	67.88
39.00	31.30	21.67

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82556.D
Acq On : 7 Mar 2024 10:08 am
Operator : jeniferw
Sample : IC2972-4 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 07 11:48:33 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration





TIC: 1O82556.D\data.ms

(49) Isobutyl alcohol

3.849min (-0.006) 489.25ug/L m

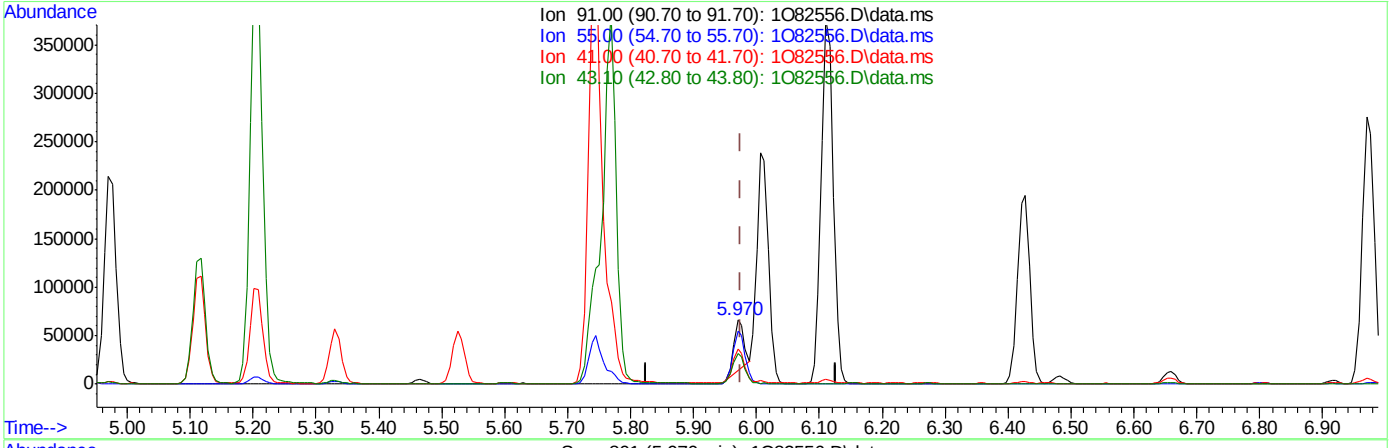
response 170259

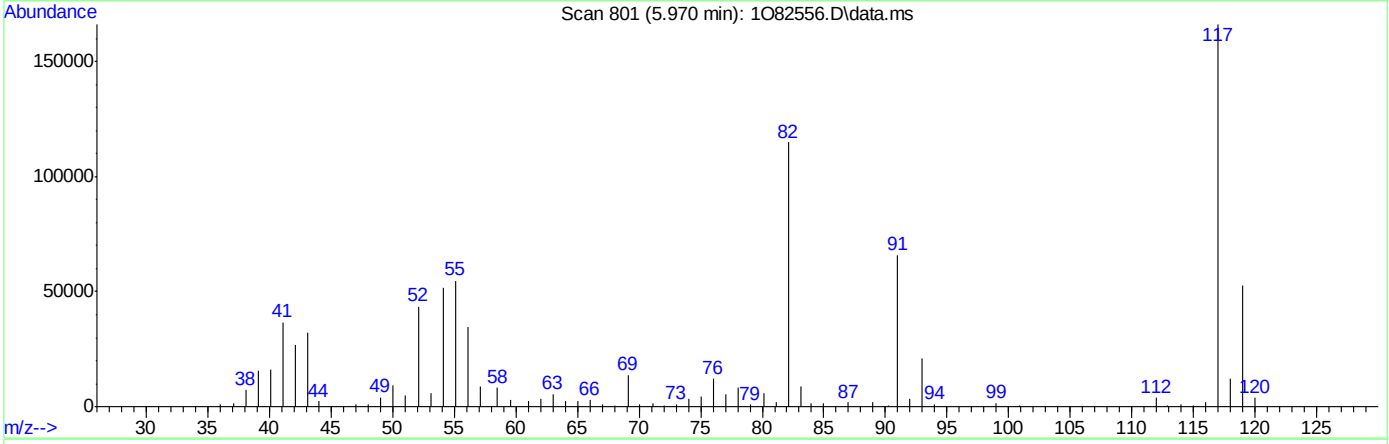
Ion	Exp%	Act%
43.00	100	100
42.10	58.50	59.00
41.10	77.50	68.55
39.00	31.30	22.15

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82556.D
Acq On : 7 Mar 2024 10:08 am
Operator : jeniferw
Sample : IC2972-4 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 07 11:48:33 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration





TIC: 1O82556.D\data.ms

(76) 1-Chlorohexane

5.970min (-0.006) 16.35ug/L

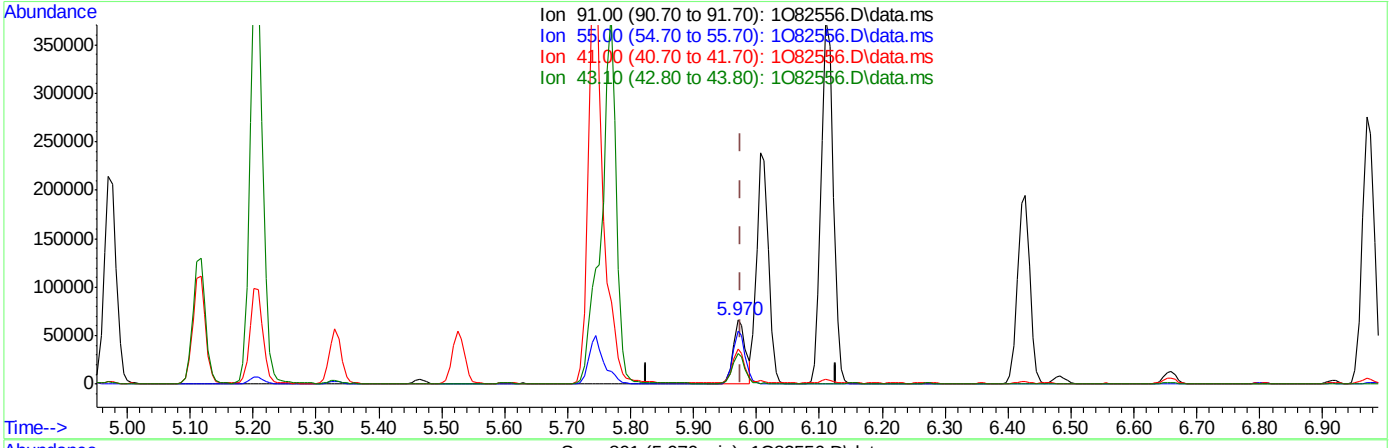
response 60968

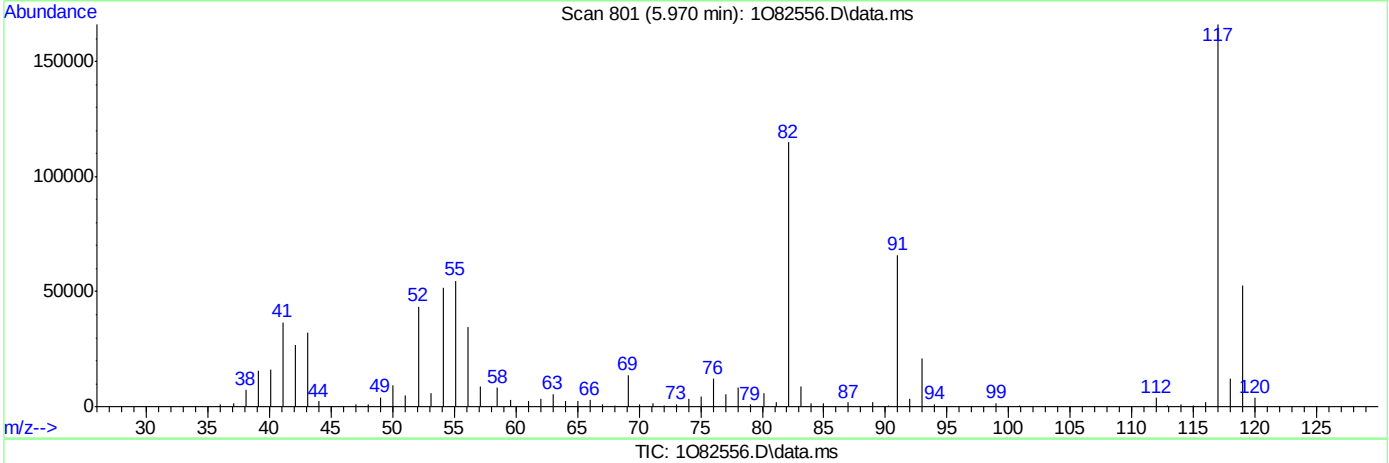
Ion	Exp%	Act%
91.00	100	100
55.00	67.60	81.55
41.00	55.00	53.02
43.10	42.40	47.04

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82556.D
Acq On : 7 Mar 2024 10:08 am
Operator : jeniferw
Sample : IC2972-4 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 07 11:48:33 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration





TIC: 1O82556.D\data.ms

(76) 1-Chlorohexane

5.970min (-0.006) 24.22ug/L m

response 90331

Ion	Exp%	Act%
91.00	100	100
55.00	67.60	83.05
41.00	55.00	55.66
43.10	42.40	48.82

Manual Integrations APPROVED (compounds with "m" flag)
Neil Christiana 03/08/24 07:00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82557.D
Acq On : 7 Mar 2024 10:33 am
Operator : jeniferw
Sample : ICC2972-5 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 07 11:58:25 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.982	96	717920	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.982	117	481249	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.726	152	255686	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.513	113	183751	47.33	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 94.66%			
50) 1,2-Dichloroethane-d4	3.818	65	233171	48.47	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 96.94%			
63) Toluene-d8	4.940	98	706003	51.44	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 102.88%			
86) 4-Bromofluorobenzene	6.872	174	184212	51.05	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.10%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.196	85	101953	38.95	ug/L	97
3) Chloromethane	1.343	50	126483	32.58	ug/L	99
4) 1,3-butadiene	1.416	39	121843	37.24	ug/L	75
5) Vinyl Chloride	1.404	62	139740	40.50	ug/L	95
6) Bromomethane	1.635	94	32419	32.78	ug/L	97
7) Chloroethane	1.715	64	29143	29.36	ug/L	93
8) Trichlorofluoromethane	1.812	101	152676	41.66	ug/L	97
9) Ethyl Ether	2.026	59	120339	36.76	ug/L	88
10) Ethanol	2.129	45	57846	703.13	ug/L	99
11) 1,2-Dichlorotrifluoroe...	2.147	67	142771	38.43	ug/L	88
12) 1,1-Dichloroethene	2.147	61	191891	41.30	ug/L	95
13) Freon 113	2.178	101	111060	37.35	ug/L	99
14) Carbon Disulfide	2.166	76	370008	40.75	ug/L	98
15) Iodomethane	2.239	142	50047	39.74	ug/L	92
16) Acrolein	2.355	56	218580	206.36	ug/L	99
17) Allyl chloride	2.440	41	175143	38.48	ug/L	90
18) Methylene Chloride	2.501	49	172431	36.12	ug/L	90
19) Acetone	2.525	43	310562	150.97	ug/L	88
20) Methyl acetate	2.599	43	820705	158.16	ug/L	96
21) trans-1,2-Dichloroethene	2.599	61	191484	39.47	ug/L	89
22) Hexane	2.647	56	108897	34.44	ug/L	89
23) Methyl Tert Butyl Ether	2.660	73	369364	42.69	ug/L	93
24) Tert Butyl Alcohol	2.708	59	393079	416.33	ug/L	79
25) Acetonitrile	2.800	41	254852	333.48	ug/L	99
26) Di-isopropyl ether	2.879	45	409451	36.80	ug/L	93
27) Chloroprene	2.940	53	207922	43.58	ug/L	89
28) 1,1-Dichloroethane	2.952	63	241622	38.18	ug/L	97
29) Acrylonitrile	2.977	52	361833	171.66	ug/L	98
30) ETBE	3.086	59	427855	43.76	ug/L	91
31) Vinyl acetate	3.086	43	1460231	198.11	ug/L	95
32) cis-1,2-Dichloroethene	3.257	96	129042	37.67	ug/L	88
33) 2,2-Dichloropropane	3.324	77	170348	46.12	ug/L	98
34) Bromochloromethane	3.373	128	59077	37.38	ug/L #	79
35) Cyclohexane	3.379	56	239591	41.50	ug/L #	73

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82557.D
Acq On : 7 Mar 2024 10:33 am
Operator : jeniferw
Sample : ICC2972-5 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 07 11:58:25 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Chloroform	3.409	83	221520	36.63	ug/L		98
37) Ethyl acetate	3.470	43	1014606	178.68	ug/L		98
38) Tetrahydrofuran	3.501	42	81430	33.24	ug/L		98
40) Carbon Tetrachloride	3.495	117	144419m	39.48	ug/L		
41) 1,1,1-Trichloroethane	3.531	97	181014	38.66	ug/L		97
42) 2-Butanone	3.574	43	585781	168.11	ug/L		94
43) 1,1-Dichloropropene	3.604	75	165553	40.55	ug/L		96
44) tert-Butyl formate	3.659	59	588783	300.29	ug/L	#	74
45) Propionitrile	3.751	54	377315	341.19	ug/L		99
46) Methacrylonitrile	3.763	41	1102842	341.41	ug/L		95
47) Benzene	3.745	78	478648	37.83	ug/L		96
48) TAME	3.806	73	357215	47.44	ug/L		94
49) Isobutyl alcohol	3.848	43	266856m	764.16	ug/L		
51) 1,2-Dichloroethane	3.861	62	177605	35.49	ug/L		96
52) Tert Amyl Alcohol	3.903	59	325609	478.66	ug/L	#	70
53) Trichloroethene	4.080	95	127742	36.95	ug/L		90
54) Methylcyclohexane	4.086	83	195500	42.47	ug/L		88
55) Dibromomethane	4.336	93	82049	38.88	ug/L		97
56) 1,2-Dichloropropane	4.391	63	136531	39.88	ug/L		89
57) Bromodichloromethane	4.428	83	163051	41.01	ug/L		96
58) Methyl methacrylate	4.513	41	137164	42.35	ug/L		90
59) 1,4-Dioxane	4.549	88	51470	736.01	ug/L		75
60) 2-Chloroethyl vinyl ether	4.769	63	584594	222.67	ug/L		99
61) cis-1,3-Dichloropropene	4.818	75	201680	45.86	ug/L		97
64) Toluene	4.970	91	491679	40.20	ug/L		98
65) 2-Nitropropane	5.116	41	261925	185.42	ug/L		97
66) 4-Methyl-2-pentanone	5.208	43	985732	196.34	ug/L		93
67) trans-1,3-Dichloropropene	5.232	75	188887	41.88	ug/L		97
68) Tetrachloroethene	5.226	166	109160	37.12	ug/L		94
69) Ethyl methacrylate	5.330	69	177314	47.59	ug/L		92
70) 1,1,2-Trichloroethane	5.342	83	104516	40.16	ug/L		96
71) Dibromochloromethane	5.464	129	115792	38.50	ug/L		99
72) 1,3-Dichloropropane	5.525	76	201609	40.98	ug/L		96
73) 1,2-Dibromoethane	5.628	107	123976	42.09	ug/L		97
74) 3,3-dimethyl-1-butanol	5.744	57	1853683	2194.20	ug/L		90
75) 2-hexanone	5.769	43	1031003	190.58	ug/L		88
76) 1-Chlorohexane	5.970	91	158342m	42.24	ug/L		
77) Ethylbenzene	6.013	91	538557	40.98	ug/L		97
78) Chlorobenzene	5.994	112	310949	38.84	ug/L		95
79) 1,1,1,2-Tetrachloroethane	6.037	131	108173	42.65	ug/L		97
80) m,p-Xylene	6.110	91	854816	84.81	ug/L		98
81) o-Xylene	6.427	91	442113	44.48	ug/L		99
82) Styrene	6.464	104	345246	42.39	ug/L		96
83) Bromoform	6.482	173	71732	37.11	ug/L		98
84) Isopropylbenzene	6.659	105	508241	45.93	ug/L		98
87) cis-1,4-Dichloro-2-butene	6.915	53	66248	43.98	ug/L	#	80
88) n-Propylbenzene	6.976	91	619077	45.91	ug/L		98
89) Bromobenzene	6.951	156	115794	41.23	ug/L		85
90) 1,1,2,2-Tetrachloroethane	7.018	83	197092	43.56	ug/L		96
91) 1,3,5-Trimethylbenzene	7.122	105	434400	47.97	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82557.D
Acq On : 7 Mar 2024 10:33 am
Operator : jeniferw
Sample : ICC2972-5 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 07 11:58:25 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration

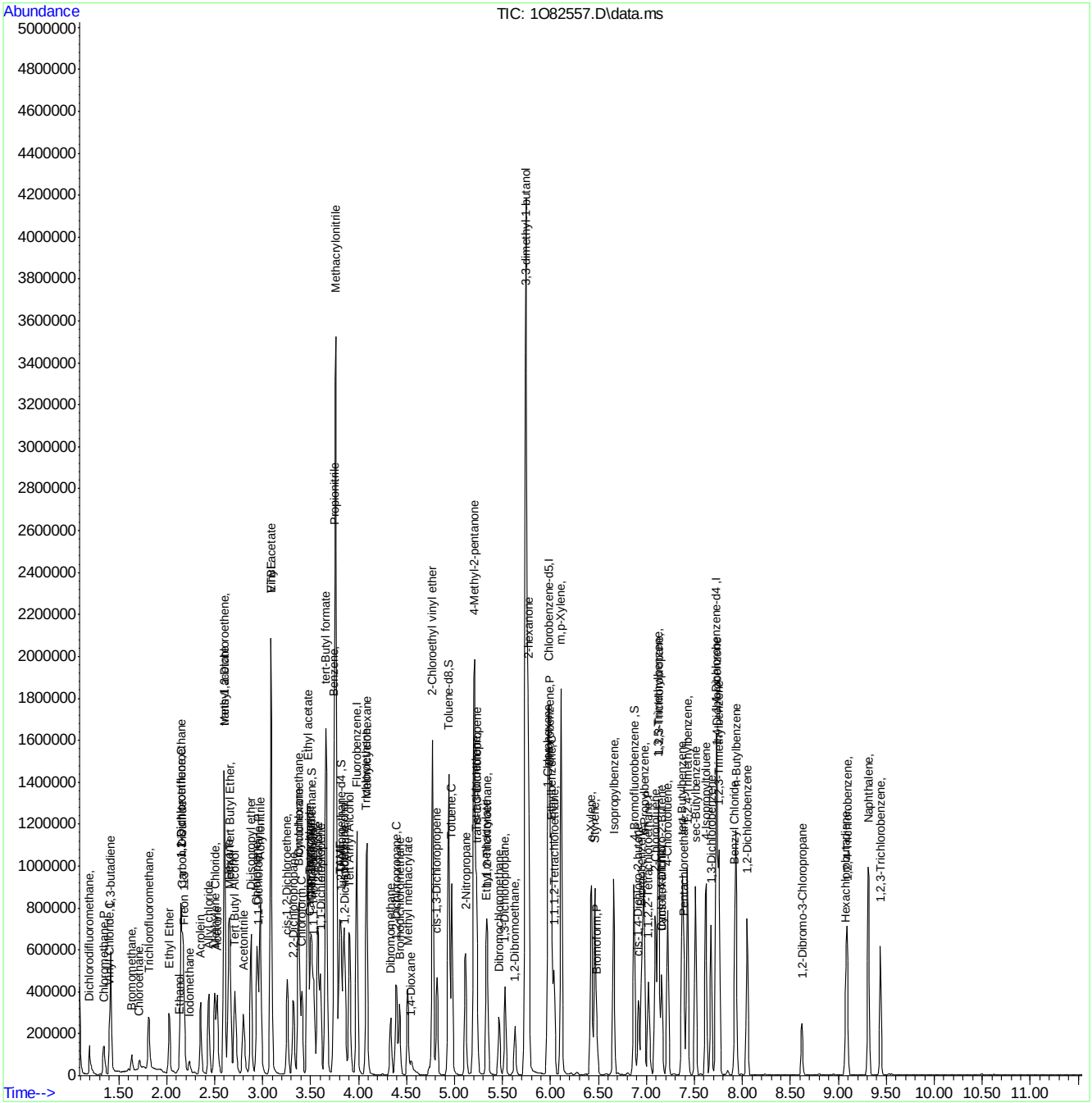
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92) 2-Chlorotoluene	7.092	91	415040	44.24	ug/L		95
93) trans-1,4-Dichloro-2-B...	7.159	53	52614	40.42	ug/L		98
94) 1,2,3-Trichloropropane	7.128	110	56636	42.49	ug/L		88
95) Cyclohexanone	7.159	55	57190	222.78	ug/L		87
96) 4-Chlorotoluene	7.220	91	398290	44.86	ug/L		94
97) tert-Butylbenzene	7.372	91	242695	47.58	ug/L		95
99) 1,2,4-Trimethylbenzene	7.427	105	436978	43.49	ug/L		98
100) Pentachloroethane	7.390	167	61529	43.37	ug/L		97
101) sec-Butylbenzene	7.512	105	508783	48.50	ug/L		99
102) 4-Isopropyltoluene	7.622	119	428792	44.02	ug/L		99
103) 1,3-Dichlorobenzene	7.677	146	233046	41.29	ug/L		97
104) 1,2,3-Trimethylbenzene	7.756	105	443840	45.21	ug/L		96
105) 1,4-Dichlorobenzene	7.738	146	228698	38.72	ug/L		93
106) n-Butylbenzene	7.933	92	241120	43.95	ug/L		88
107) Benzyl Chloride	7.921	126	67928	52.97	ug/L	#	52
108) 1,2-Dichlorobenzene	8.049	146	218853	40.38	ug/L		96
109) 1,2-Dibromo-3-Chloropr...	8.622	75	48874	48.01	ug/L		94
110) Hexachlorobutadiene	9.079	225	46708	41.58	ug/L		95
111) 1,2,4-Trichlorobenzene	9.091	180	136326	42.99	ug/L		94
112) Naphthalene	9.311	128	567739	44.50	ug/L		100
113) 1,2,3-Trichlorobenzene	9.439	180	129290	42.62	ug/L		97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82557.D
Acq On : 7 Mar 2024 10:33 am
Operator : jeniferw
Sample : ICC2972-5 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 07 11:58:25 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration



Manual Integration Approval Summary

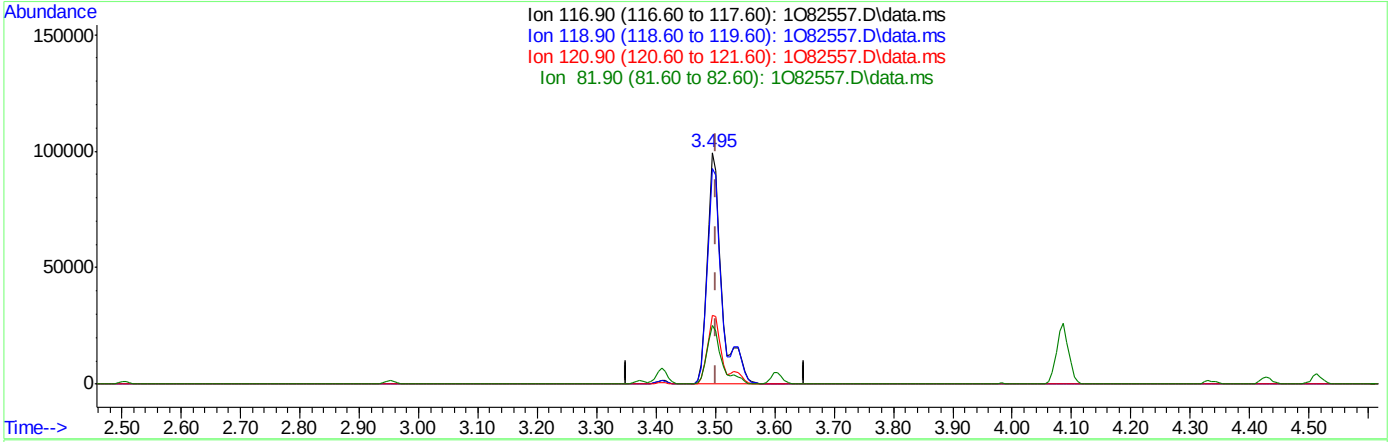
Sample Number: V1O2972-ICC2972 **Method:** SW846 8260D
Lab FileID: 1O82557.D **Analyst approved:** 03/07/24 13:55 Jenifer Willis
Injection Time: 03/07/24 10:33 **Supervisor approved:** 03/08/24 07:00 Neil Christiana

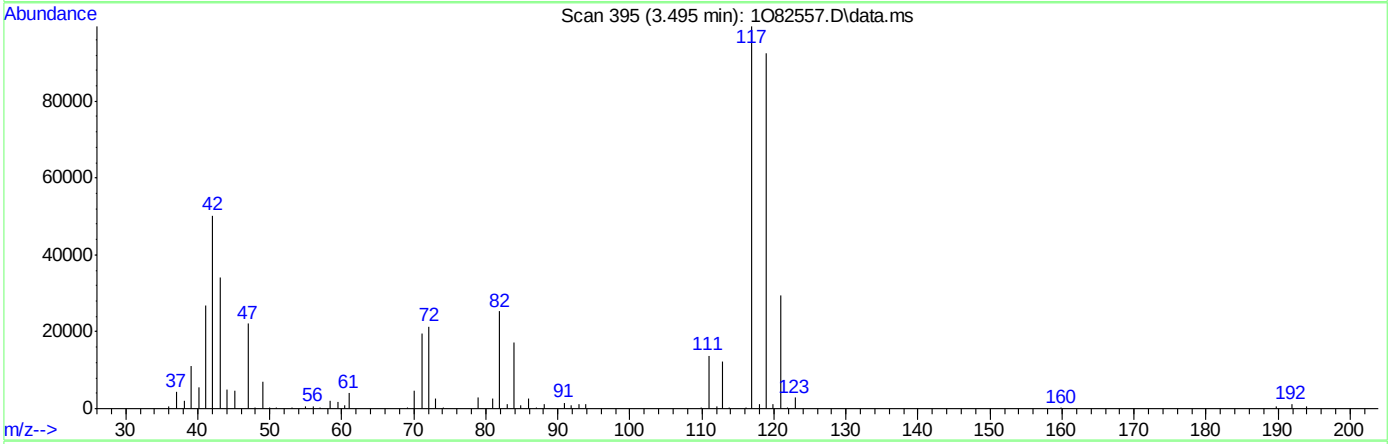
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.49	Overlapping peak
Isobutyl Alcohol	78-83-1		3.85	Poorly defined baseline
1-Chlorohexane	544-10-5		5.97	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82557.D
Acq On : 7 Mar 2024 10:33 am
Operator : jeniferw
Sample : ICC2972-5 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 07 11:48:36 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration





TIC: 1O82557.D\data.ms

(40) Carbon Tetrachloride ( )

3.495min (-0.006) 46.03ug/L

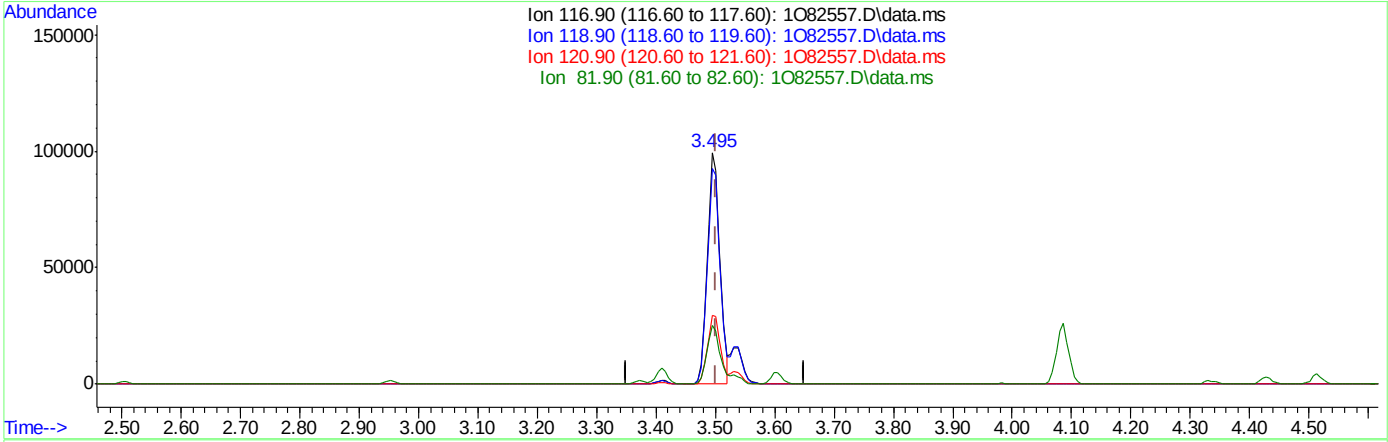
response 168383

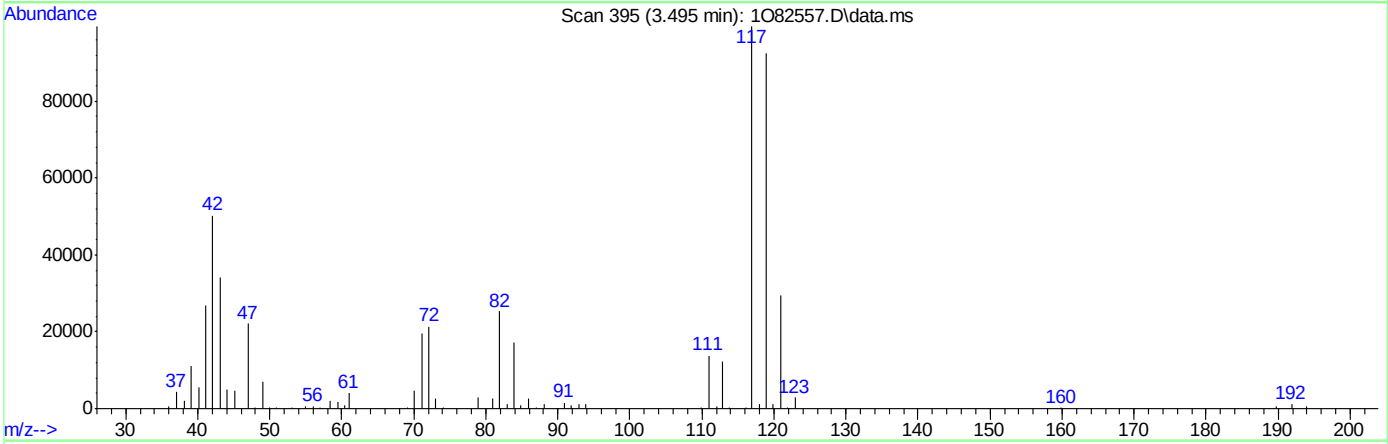
Ion	Exp%	Act%
116.90	100	100
118.90	99.30	93.08
120.90	31.50	29.68
81.90	24.40	25.43

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82557.D
Acq On : 7 Mar 2024 10:33 am
Operator : jeniferw
Sample : ICC2972-5 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 07 11:48:36 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration





TIC: 1O82557.D\data.ms

(40) Carbon Tetrachloride ( )

3.495min (-0.006) 39.48ug/L m

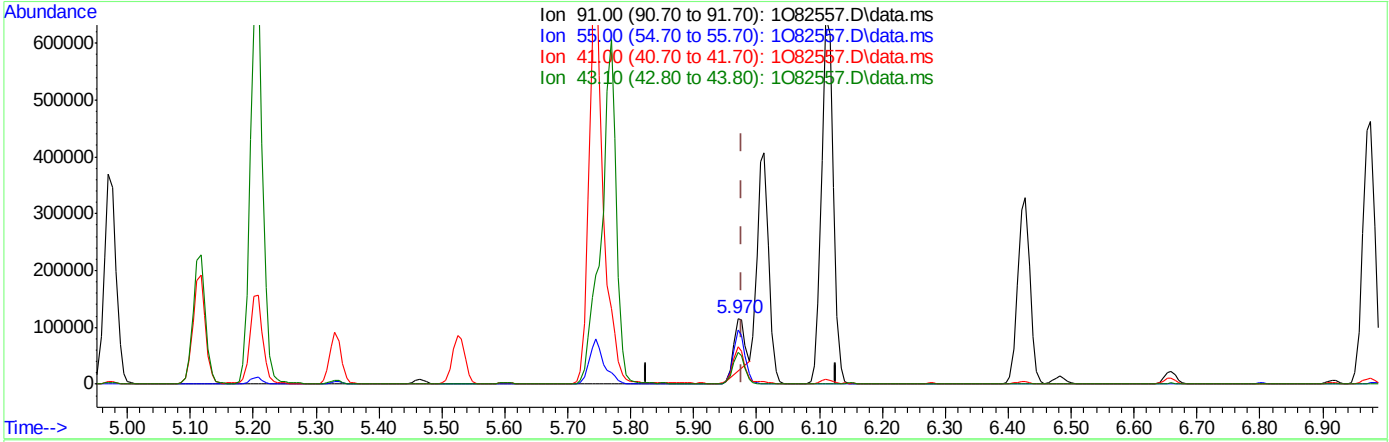
response 144419

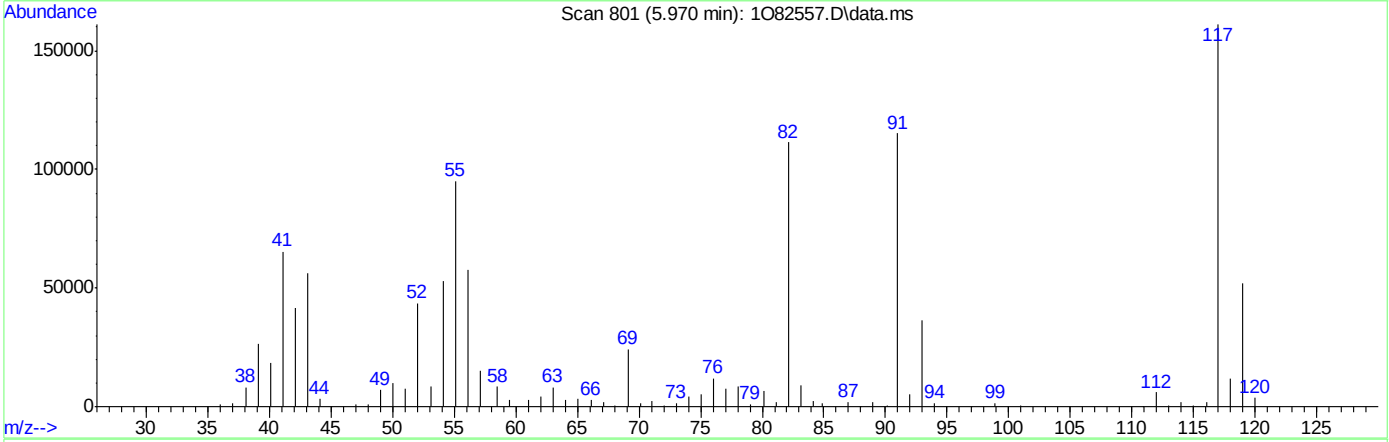
Ion	Exp%	Act%
116.90	100	100
118.90	99.30	93.08
120.90	31.50	29.68
81.90	24.40	25.43

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82557.D
Acq On : 7 Mar 2024 10:33 am
Operator : jeniferw
Sample : ICC2972-5 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 07 11:48:36 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration





TIC: 1O82557.D\data.ms

(76) 1-Chlorohexane

5.970min (-0.006) 29.14ug/L

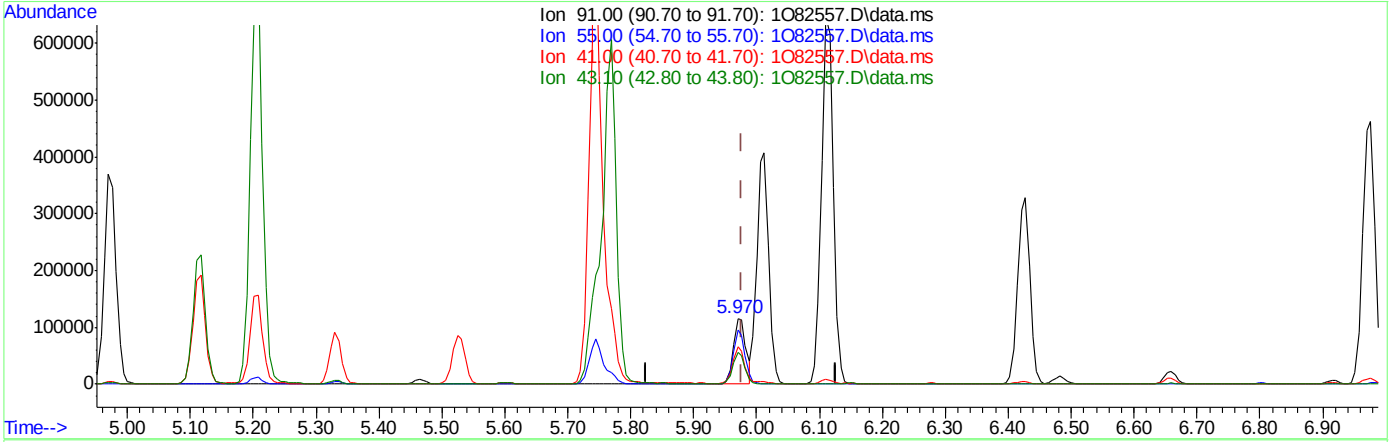
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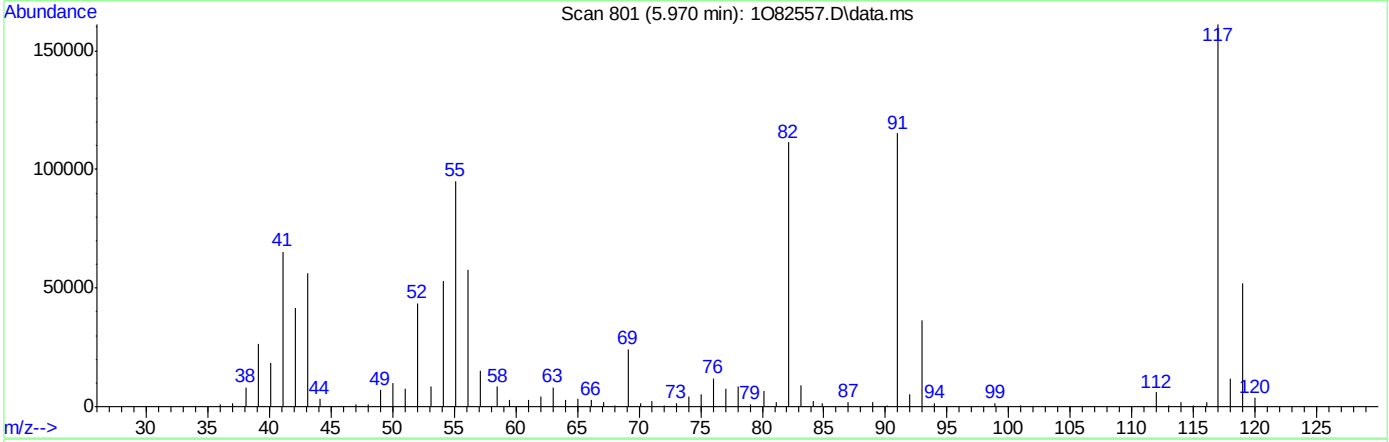
Ion	Exp%	Act%
91.00	100	100
55.00	67.60	81.63
41.00	55.00	54.71
43.10	42.40	47.39

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82557.D
Acq On : 7 Mar 2024 10:33 am
Operator : jeniferw
Sample : ICC2972-5 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 07 11:48:36 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration





TIC: 1O82557.D\data.ms

(76) 1-Chlorohexane

5.970min (-0.006) 42.24ug/L m

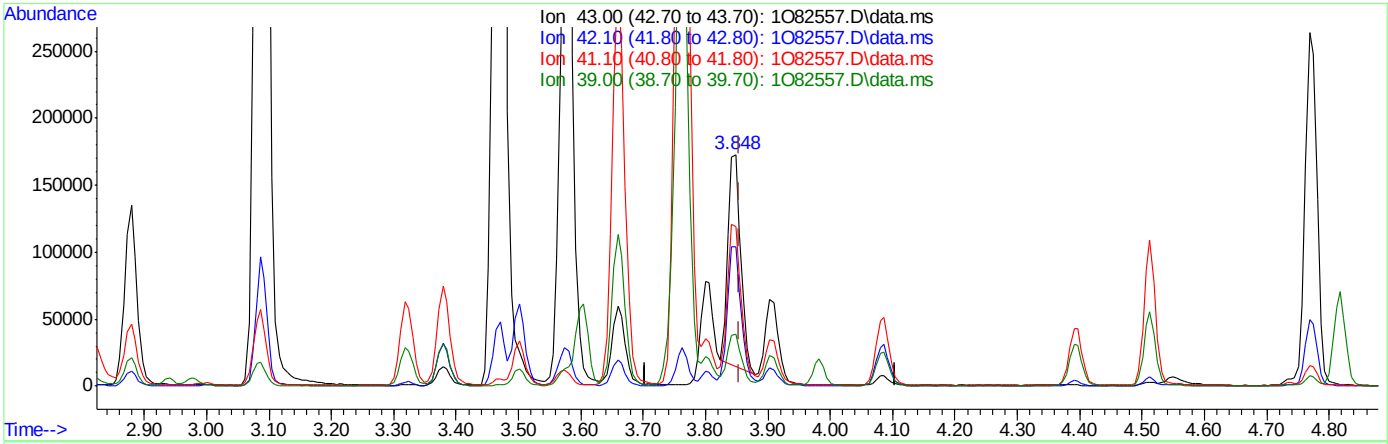
response 158342

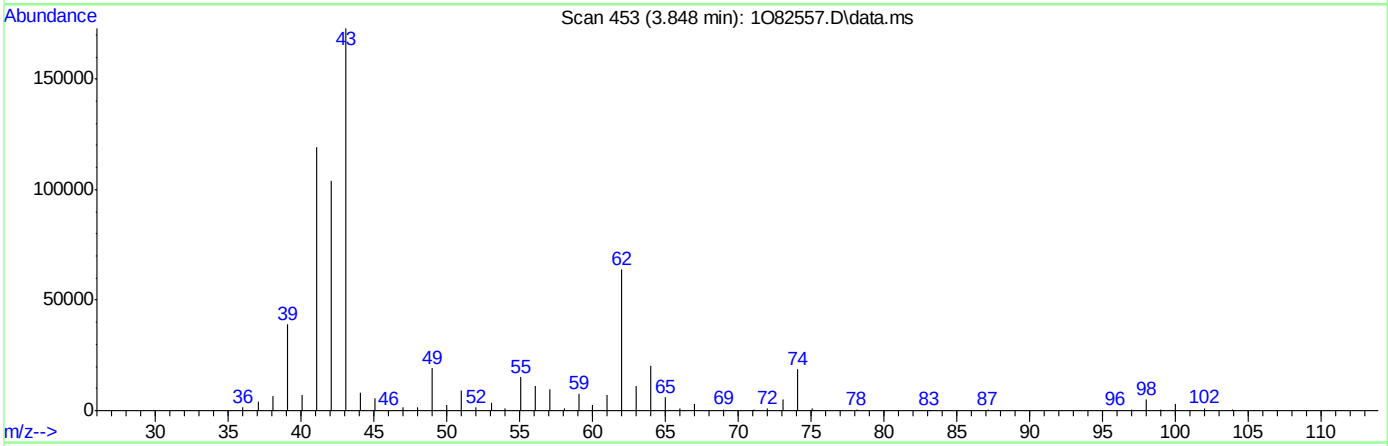
Ion	Exp%	Act%
91.00	100	100
55.00	67.60	82.46
41.00	55.00	56.59
43.10	42.40	48.63

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82557.D
Acq On : 7 Mar 2024 10:33 am
Operator : jeniferw
Sample : ICC2972-5 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 07 11:48:36 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration





TIC: 1O82557.D\data.ms

(49) Isobutyl alcohol

3.848min (-0.006) 637.64ug/L

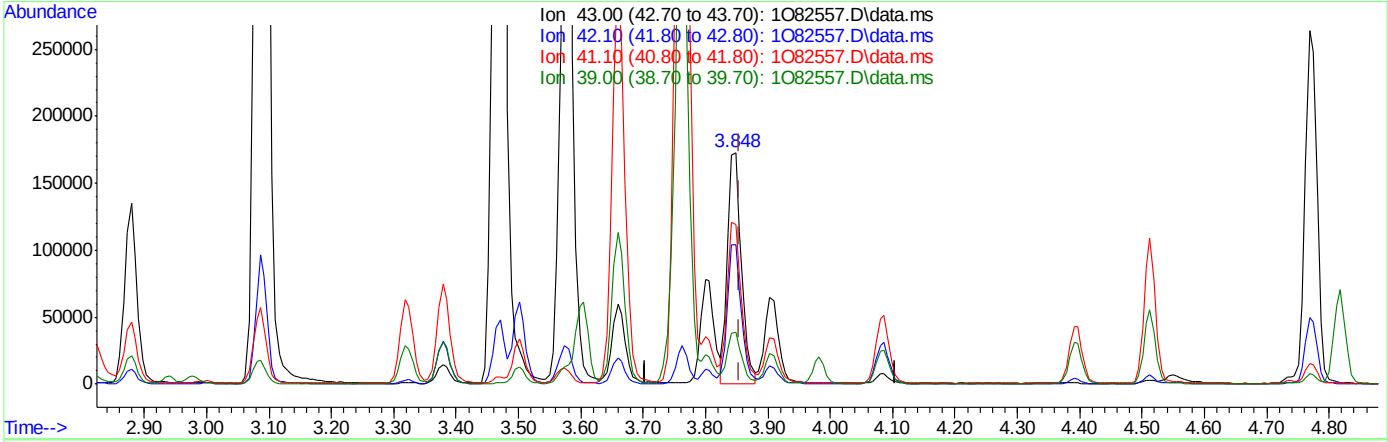
response 222676

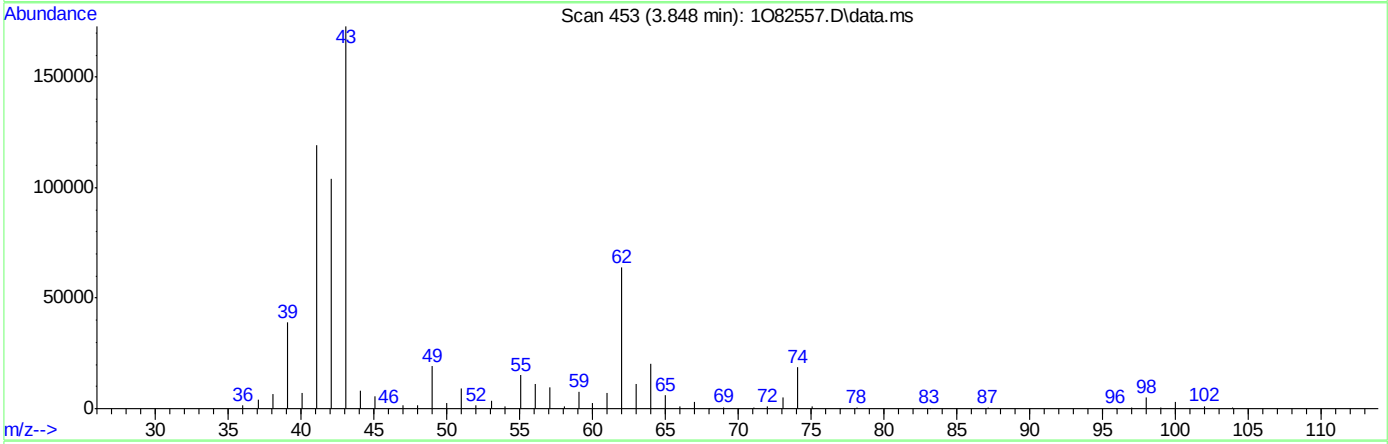
Ion	Exp%	Act%
43.00	100	100
42.10	58.50	60.42
41.10	77.50	67.81
39.00	31.30	22.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82557.D
Acq On : 7 Mar 2024 10:33 am
Operator : jeniferw
Sample : ICC2972-5 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 07 11:48:36 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration





TIC: 1O82557.D\data.ms

(49) Isobutyl alcohol

3.848min (-0.006) 764.16ug/L m

response 266856

Ion	Exp%	Act%
43.00	100	100
42.10	58.50	60.02
41.10	77.50	68.80
39.00	31.30	22.53

1O82558.D

Manual Integrations APPROVED (compounds with "m" flag)

Neil Christiana 03/08/24 07:00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82558.D
Acq On : 7 Mar 2024 10:58 am
Operator : jeniferw
Sample : IC2972-6 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 07 11:59:16 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.982	96	716120	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.982	117	483194	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.732	152	261747	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.513	113	183077	47.27	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 94.54%			
50) 1,2-Dichloroethane-d4	3.824	65	239614	49.93	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 99.86%			
63) Toluene-d8	4.940	98	719118	52.18	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 104.36%			
86) 4-Bromofluorobenzene	6.872	174	187229	50.68	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.36%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.203	85	171754	65.79	ug/L	98
3) Chloromethane	1.355	50	216519	55.91	ug/L	100
4) 1,3-butadiene	1.422	39	198179	60.73	ug/L	79
5) Vinyl Chloride	1.410	62	239844	69.68	ug/L	95
6) Bromomethane	1.641	94	63342	64.21	ug/L	98
7) Chloroethane	1.721	64	43091	47.05	ug/L	95
8) Trichlorofluoromethane	1.818	101	237792	65.04	ug/L	98
9) Ethyl Ether	2.032	59	208399	63.81	ug/L	87
10) Ethanol	2.147	45	97032	1182.40	ug/L	93
11) 1,2-Dichlorotrifluoroe...	2.154	67	246055	66.40	ug/L	89
12) 1,1-Dichloroethene	2.154	61	327591	70.68	ug/L	97
13) Freon 113	2.178	101	185538	62.56	ug/L	98
14) Carbon Disulfide	2.172	76	632963	69.89	ug/L	98
15) Iodomethane	2.239	142	98640	64.29	ug/L	92
16) Acrolein	2.361	56	371311	351.44	ug/L	99
17) Allyl chloride	2.440	41	297439	65.51	ug/L	87
18) Methylene Chloride	2.507	49	287452	60.36	ug/L	91
19) Acetone	2.532	43	540008	263.16	ug/L	88
20) Methyl acetate	2.605	43	1400641	270.60	ug/L	98
21) trans-1,2-Dichloroethene	2.599	61	329137	68.02	ug/L	86
22) Hexane	2.647	56	180184	57.13	ug/L #	86
23) Methyl Tert Butyl Ether	2.666	73	636997	73.81	ug/L	89
24) Tert Butyl Alcohol	2.721	59	692334	735.13	ug/L	78
25) Acetonitrile	2.806	41	424297	556.60	ug/L	99
26) Di-isopropyl ether	2.879	45	702986	63.34	ug/L	91
27) Chloroprene	2.940	53	328790	69.08	ug/L	88
28) 1,1-Dichloroethane	2.952	63	412484	65.34	ug/L	97
29) Acrylonitrile	2.983	52	614707	292.37	ug/L	98
30) ETBE	3.086	59	728832	74.74	ug/L	91
31) Vinyl acetate	3.092	43	2456400	334.09	ug/L	95
32) cis-1,2-Dichloroethene	3.263	96	219200	64.15	ug/L	90
33) 2,2-Dichloropropane	3.324	77	290585	78.88	ug/L	98
34) Bromochloromethane	3.373	128	99951	63.39	ug/L #	77
35) Cyclohexane	3.379	56	399434	69.37	ug/L #	76

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82558.D
Acq On : 7 Mar 2024 10:58 am
Operator : jeniferw
Sample : IC2972-6 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 07 11:59:16 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Chloroform	3.409	83	378833	62.81	ug/L		97
37) Ethyl acetate	3.470	43	1730922	305.60	ug/L		97
38) Tetrahydrofuran	3.501	42	134533	55.05	ug/L		97
40) Carbon Tetrachloride	3.501	117	248527m	68.11	ug/L		
41) 1,1,1-Trichloroethane	3.537	97	309324	66.23	ug/L		97
42) 2-Butanone	3.580	43	979881	281.92	ug/L		98
43) 1,1-Dichloropropene	3.604	75	279207	68.56	ug/L		97
44) tert-Butyl formate	3.665	59	998178	510.37	ug/L	#	74
45) Propionitrile	3.751	54	644561	584.31	ug/L		89
46) Methacrylonitrile	3.763	41	1874747	581.84	ug/L		95
47) Benzene	3.745	78	816550	64.69	ug/L		90
48) TAME	3.806	73	622685	82.91	ug/L		94
49) Isobutyl alcohol	3.848	43	464079m	1332.25	ug/L		
51) 1,2-Dichloroethane	3.861	62	304719	61.04	ug/L		96
52) Tert Amyl Alcohol	3.909	59	561152	827.00	ug/L	#	71
53) Trichloroethene	4.086	95	216456	62.77	ug/L		92
54) Methylcyclohexane	4.086	83	330687	72.02	ug/L		90
55) Dibromomethane	4.336	93	142101	67.51	ug/L		97
56) 1,2-Dichloropropane	4.397	63	235781	69.05	ug/L		89
57) Bromodichloromethane	4.428	83	282967	71.35	ug/L		96
58) Methyl methacrylate	4.513	41	240124	74.33	ug/L		90
59) 1,4-Dioxane	4.556	88	88961	1275.32	ug/L		84
60) 2-Chloroethyl vinyl ether	4.775	63	990297	378.16	ug/L		96
61) cis-1,3-Dichloropropene	4.818	75	350358	79.87	ug/L		96
64) Toluene	4.970	91	848247	69.07	ug/L		99
65) 2-Nitropropane	5.116	41	459988	324.31	ug/L		95
66) 4-Methyl-2-pentanone	5.208	43	1699455	337.14	ug/L		92
67) trans-1,3-Dichloropropene	5.232	75	327496	72.31	ug/L		97
68) Tetrachloroethene	5.226	166	187609	63.53	ug/L		93
69) Ethyl methacrylate	5.330	69	312085	83.43	ug/L		92
70) 1,1,2-Trichloroethane	5.342	83	179424	68.66	ug/L		95
71) Dibromochloromethane	5.464	129	204976	67.88	ug/L		98
72) 1,3-Dichloropropane	5.525	76	343372	69.51	ug/L		95
73) 1,2-Dibromoethane	5.628	107	217223	73.45	ug/L		100
74) 3,3-dimethyl-1-butanol	5.744	57	3182226	3751.64	ug/L		90
75) 2-hexanone	5.769	43	1735299	319.48	ug/L		89
76) 1-Chlorohexane	5.970	91	266296m	70.76	ug/L		
77) Ethylbenzene	6.013	91	919871	69.72	ug/L		98
78) Chlorobenzene	5.994	112	535874	66.67	ug/L		96
79) 1,1,1,2-Tetrachloroethane	6.037	131	186728	73.33	ug/L		97
80) m,p-Xylene	6.110	91	1452498	143.53	ug/L		97
81) o-Xylene	6.427	91	759398	76.09	ug/L		99
82) Styrene	6.464	104	596095	72.89	ug/L		97
83) Bromoform	6.482	173	129820	66.89	ug/L		98
84) Isopropylbenzene	6.659	105	879569	79.16	ug/L		99
87) cis-1,4-Dichloro-2-butene	6.915	53	120379	78.07	ug/L	#	78
88) n-Propylbenzene	6.976	91	1044444	75.65	ug/L		99
89) Bromobenzene	6.951	156	200069	69.59	ug/L		85
90) 1,1,2,2-Tetrachloroethane	7.018	83	344636	74.40	ug/L		96
91) 1,3,5-Trimethylbenzene	7.122	105	755616	81.51	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82558.D
Acq On : 7 Mar 2024 10:58 am
Operator : jeniferw
Sample : IC2972-6 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 07 11:59:16 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration

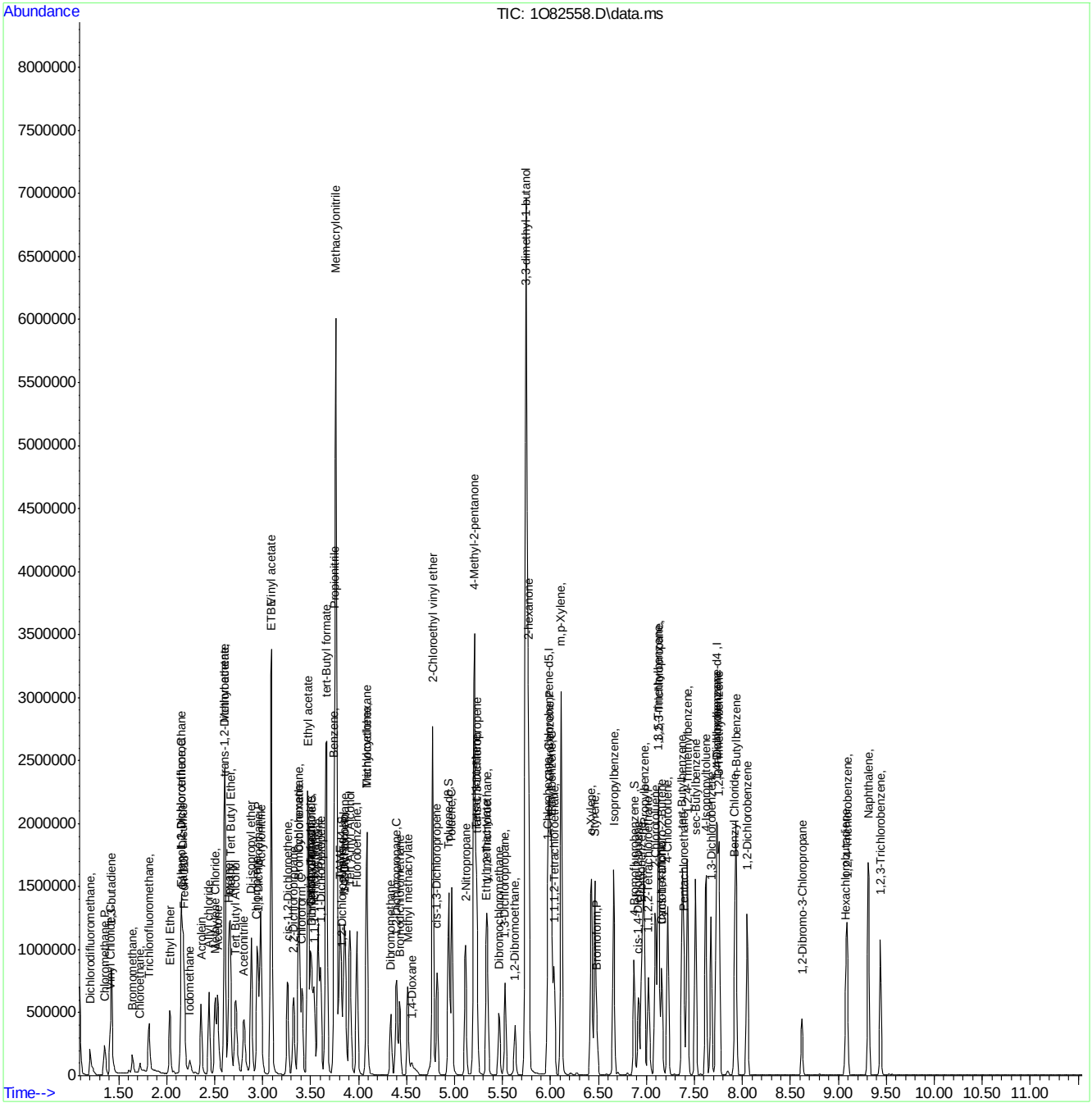
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92)	2-Chlorotoluene	7.092	91	705345	73.44	ug/L		97
93)	trans-1,4-Dichloro-2-B...	7.159	53	93231	69.96	ug/L		97
94)	1,2,3-Trichloropropane	7.128	110	96885	71.01	ug/L		86
95)	Cyclohexanone	7.159	55	98386	374.38	ug/L		88
96)	4-Chlorotoluene	7.220	91	680887	74.91	ug/L		93
97)	tert-Butylbenzene	7.372	91	407644	78.07	ug/L		95
99)	1,2,4-Trimethylbenzene	7.427	105	765861	74.46	ug/L		97
100)	Pentachloroethane	7.390	167	106863	73.58	ug/L		95
101)	sec-Butylbenzene	7.512	105	879701	81.92	ug/L		99
102)	4-Isopropyltoluene	7.622	119	736671	73.87	ug/L		99
103)	1,3-Dichlorobenzene	7.677	146	402248	69.62	ug/L		98
104)	1,2,3-Trimethylbenzene	7.756	105	761338	75.75	ug/L		96
105)	1,4-Dichlorobenzene	7.738	146	395824	65.47	ug/L		94
106)	n-Butylbenzene	7.933	92	413276	73.59	ug/L		92
107)	Benzyl Chloride	7.921	126	122789	81.49	ug/L	#	52
108)	1,2-Dichlorobenzene	8.049	146	375638	67.70	ug/L		94
109)	1,2-Dibromo-3-Chloropr...	8.622	75	88405	84.83	ug/L		93
110)	Hexachlorobutadiene	9.079	225	80150	69.70	ug/L		94
111)	1,2,4-Trichlorobenzene	9.091	180	238259	73.40	ug/L		96
112)	Naphthalene	9.311	128	982260	75.21	ug/L		100
113)	1,2,3-Trichlorobenzene	9.439	180	222620	71.69	ug/L		97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82558.D
Acq On : 7 Mar 2024 10:58 am
Operator : jeniferw
Sample : IC2972-6 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 07 11:59:16 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration



Manual Integration Approval Summary

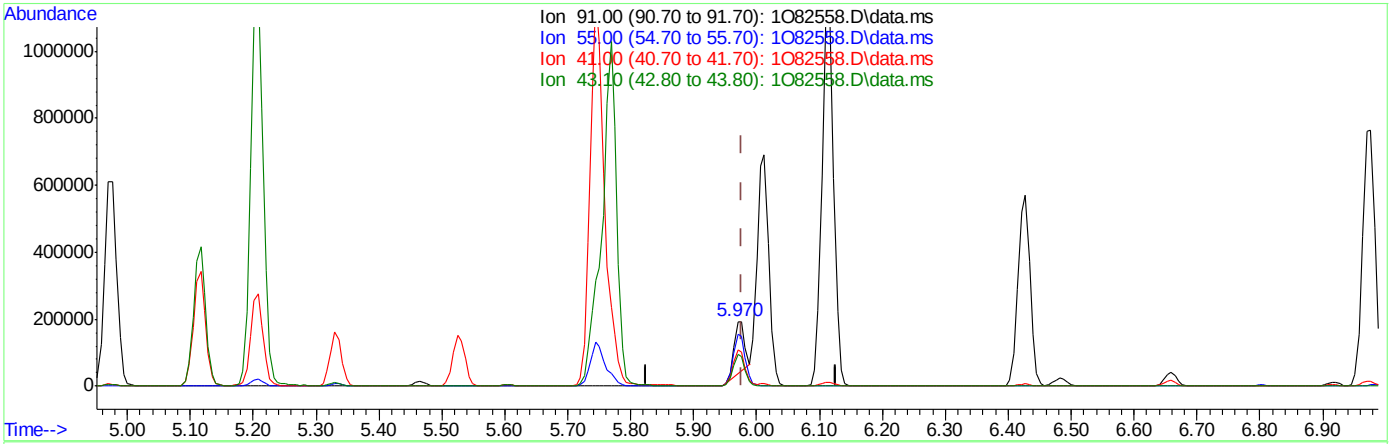
Sample Number: V1O2972-IC2972
Lab FileID: 1O82558.D
Injection Time: 03/07/24 10:58
Method: SW846 8260D
Analyst approved: 03/07/24 13:55 Jenifer Willis
Supervisor approved: 03/08/24 07:00 Neil Christiana

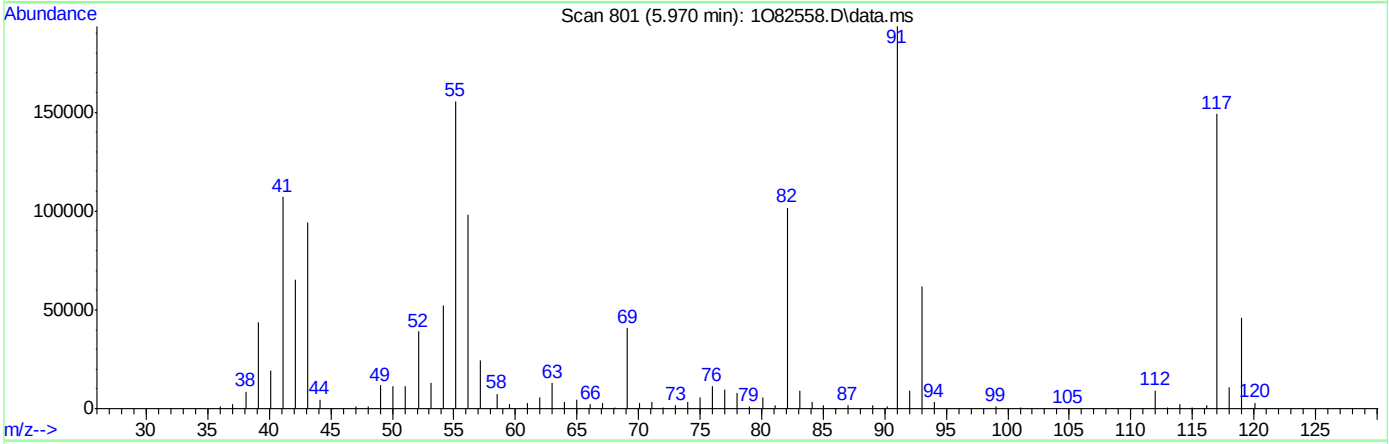
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.50	Overlapping peak
Isobutyl Alcohol	78-83-1		3.85	Poorly defined baseline
1-Chlorohexane	544-10-5		5.97	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82558.D
Acq On : 7 Mar 2024 10:58 am
Operator : jeniferw
Sample : IC2972-6 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 07 11:48:39 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration





TIC: 1O82558.D\data.ms

(76) 1-Chlorohexane

5.970min (-0.006) 49.74ug/L

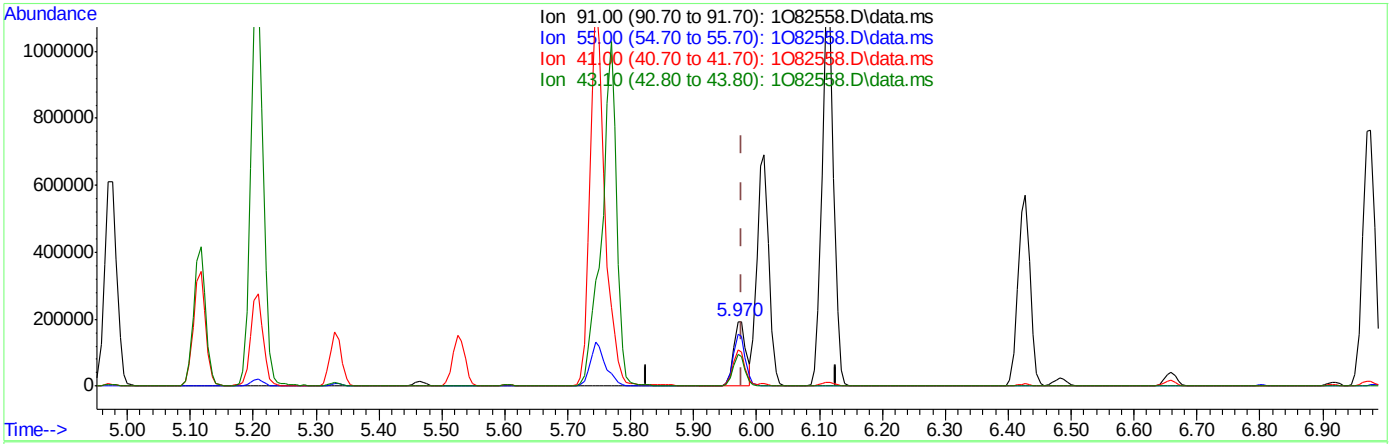
response 187198

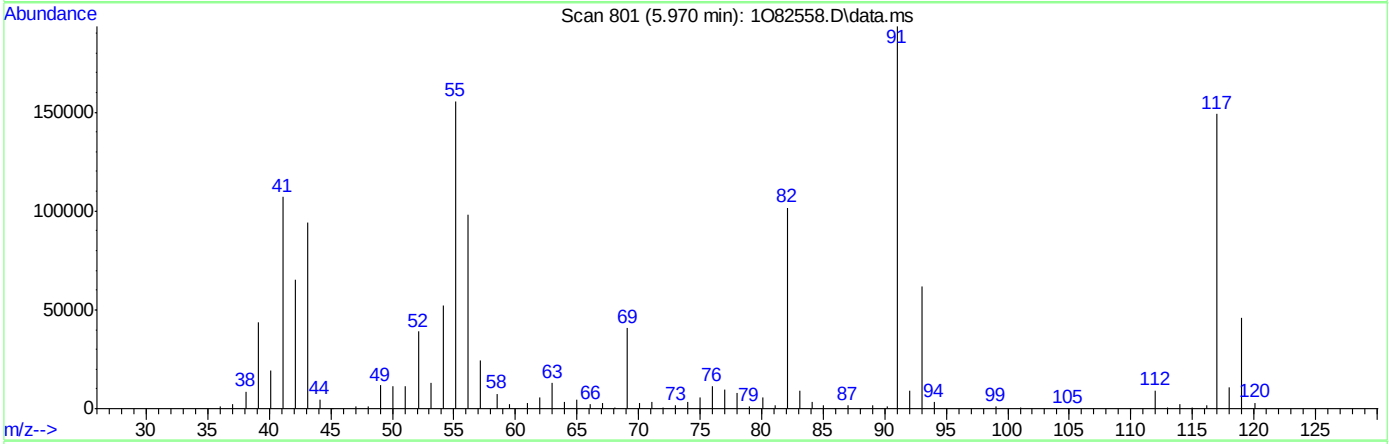
Ion	Exp%	Act%
91.00	100	100
55.00	67.60	79.48
41.00	55.00	53.56
43.10	42.40	47.36

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82558.D
Acq On : 7 Mar 2024 10:58 am
Operator : jeniferw
Sample : IC2972-6 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 07 11:48:39 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration





TIC: 1O82558.D\data.ms

(76) 1-Chlorohexane

5.970min (-0.006) 70.76ug/L m

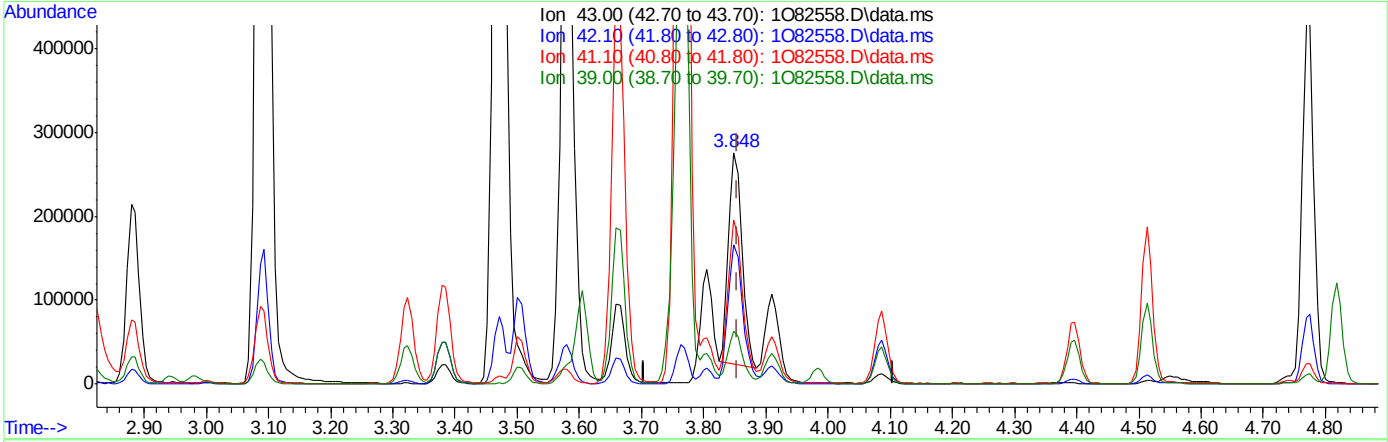
response 266296

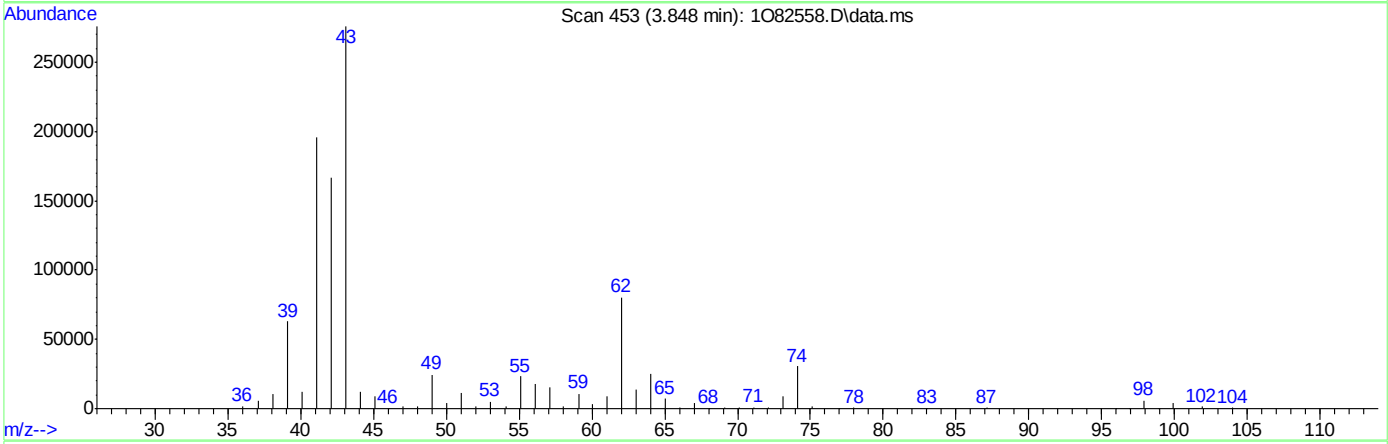
Ion	Exp%	Act%
91.00	100	100
55.00	67.60	80.48
41.00	55.00	55.39
43.10	42.40	48.74

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82558.D
Acq On : 7 Mar 2024 10:58 am
Operator : jeniferw
Sample : IC2972-6 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 07 11:48:39 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration





TIC: 1O82558.D\data.ms

(49) Isobutyl alcohol

3.848min (-0.006) 1095.44ug/L

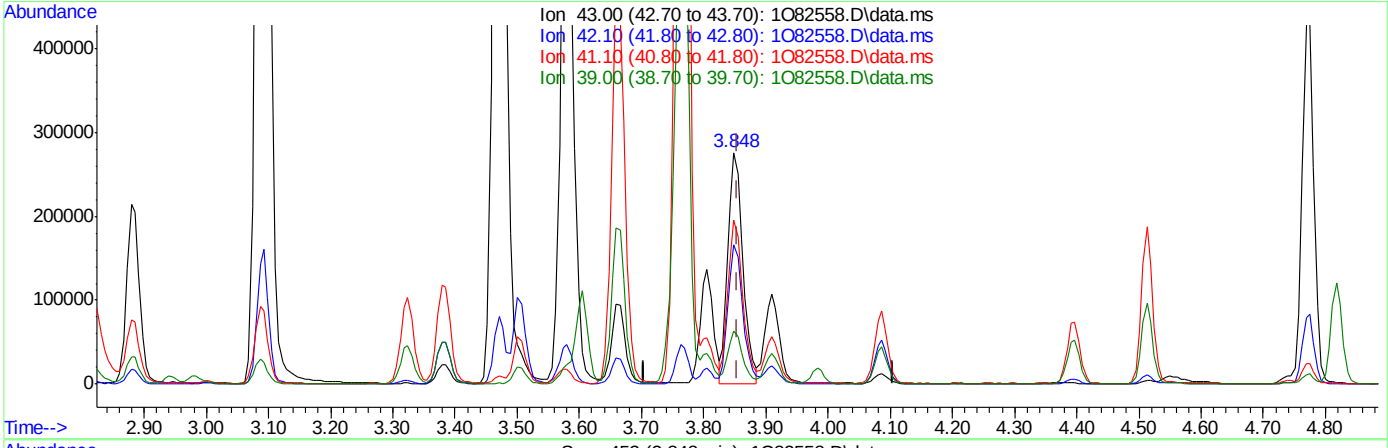
response 381588

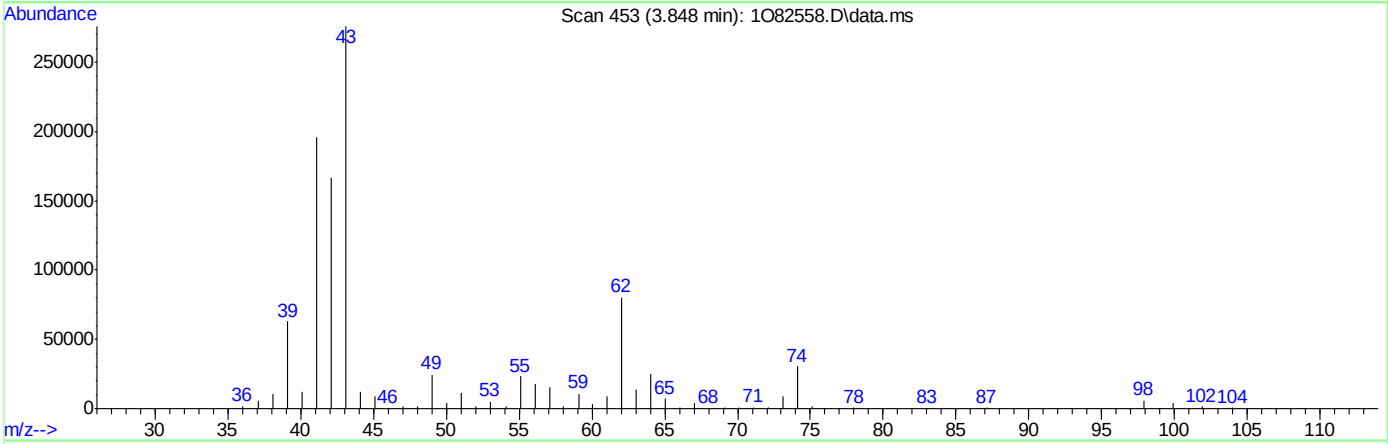
Ion	Exp%	Act%
43.00	100	100
42.10	58.50	62.15
41.10	77.50	70.23
39.00	31.30	22.18

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82558.D
Acq On : 7 Mar 2024 10:58 am
Operator : jeniferw
Sample : IC2972-6 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 07 11:48:39 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration





TIC: 1O82558.D\data.ms

(49) Isobutyl alcohol

3.848min (-0.006) 1332.25ug/L m

response 464079

Ion	Exp%	Act%
43.00	100	100
42.10	58.50	60.34
41.10	77.50	70.92
39.00	31.30	22.87

Manual Integrations APPROVED (compounds with "m" flag)
Neil Christiana 03/08/24 07:00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82559.D
Acq On : 7 Mar 2024 11:24 am
Operator : jeniferw
Sample : IC2972-7 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 07 11:59:51 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	3.983	96	705980	50.00	ug/L		0.00
62) Chlorobenzene-d5	5.982	117	488066	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	7.732	152	256721	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	3.513	113	180233	47.21	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 94.42%				
50) 1,2-Dichloroethane-d4	3.824	65	236124	49.91	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 99.82%				
63) Toluene-d8	4.940	98	713206	51.24	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 102.48%				
86) 4-Bromofluorobenzene	6.872	174	179853	49.64	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.28%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.203	85	239831	93.18	ug/L		99
3) Chloromethane	1.355	50	304959	79.88	ug/L		99
4) 1,3-butadiene	1.422	39	280463	87.17	ug/L		76
5) Vinyl Chloride	1.410	62	335167	98.78	ug/L		95
6) Bromomethane	1.642	94	88259	90.76	ug/L		99
7) Chloroethane	1.721	64	53821	64.92	ug/L		96
8) Trichlorofluoromethane	1.812	101	272115	75.50	ug/L		97
9) Ethyl Ether	2.032	59	287682	89.35	ug/L		88
10) Ethanol	2.160	45	138681	1714.19	ug/L		83
11) 1,2-Dichlorotrifluoroe...	2.154	67	346380	94.82	ug/L		90
12) 1,1-Dichloroethene	2.148	61	464997	101.77	ug/L		93
13) Freon 113	2.178	101	267374	91.45	ug/L		99
14) Carbon Disulfide	2.166	76	885721	99.20	ug/L		99
15) Iodomethane	2.239	142	136315	80.50	ug/L		93
16) Acrolein	2.361	56	536480	515.07	ug/L		98
17) Allyl chloride	2.440	41	399806	89.32	ug/L		88
18) Methylene Chloride	2.501	49	384371	81.87	ug/L		88
19) Acetone	2.538	43	764062	377.70	ug/L		86
20) Methyl acetate	2.605	43	2033765	398.55	ug/L		98
21) trans-1,2-Dichloroethene	2.599	61	453628	95.09	ug/L		89
22) Hexane	2.648	56	258652	83.18	ug/L	#	86
23) Methyl Tert Butyl Ether	2.666	73	899699	105.75	ug/L		84
24) Tert Butyl Alcohol	2.727	59	1036872	1116.78	ug/L		78
25) Acetonitrile	2.806	41	553243	736.17	ug/L		97
26) Di-isopropyl ether	2.885	45	970196	88.66	ug/L		92
27) Chloroprene	2.940	53	464260	98.95	ug/L		89
28) 1,1-Dichloroethane	2.952	63	575100	92.40	ug/L		98
29) Acrylonitrile	2.983	52	874604	421.95	ug/L		98
30) ETBE	3.086	59	1010909	105.15	ug/L		91
31) Vinyl acetate	3.093	43	3353271	462.63	ug/L		95
32) cis-1,2-Dichloroethene	3.257	96	306910	91.11	ug/L		85
33) 2,2-Dichloropropane	3.324	77	404754	111.45	ug/L		98
34) Bromochloromethane	3.373	128	136487	87.81	ug/L	#	76
35) Cyclohexane	3.379	56	570462	100.49	ug/L	#	77

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82559.D
Acq On : 7 Mar 2024 11:24 am
Operator : jeniferw
Sample : IC2972-7 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 07 11:59:51 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Chloroform	3.410	83	528586	88.89	ug/L		96
37) Ethyl acetate	3.471	43	2504315	448.49	ug/L		98
38) Tetrahydrofuran	3.507	42	191575	79.51	ug/L		96
40) Carbon Tetrachloride	3.501	117	359961m	100.06	ug/L		
41) 1,1,1-Trichloroethane	3.538	97	433508	94.15	ug/L		95
42) 2-Butanone	3.580	43	1427178	416.50	ug/L		97
43) 1,1-Dichloropropene	3.605	75	390800	97.34	ug/L		98
44) tert-Butyl formate	3.666	59	1412311	732.49	ug/L	#	73
45) Propionitrile	3.757	54	916895	843.12	ug/L		90
46) Methacrylonitrile	3.763	41	2600364	818.62	ug/L		94
47) Benzene	3.745	78	1136081	91.30	ug/L		86
48) TAME	3.806	73	870603	117.58	ug/L		94
49) Isobutyl alcohol	3.855	43	693931m	2020.71	ug/L		
51) 1,2-Dichloroethane	3.861	62	421204	85.59	ug/L		97
52) Tert Amyl Alcohol	3.916	59	829720	1240.37	ug/L	#	72
53) Trichloroethene	4.086	95	304565	89.58	ug/L		92
54) Methylcyclohexane	4.086	83	472557	104.39	ug/L		89
55) Dibromomethane	4.336	93	198545	95.69	ug/L		96
56) 1,2-Dichloropropane	4.397	63	327787	97.37	ug/L		89
57) Bromodichloromethane	4.428	83	400025	102.32	ug/L		96
58) Methyl methacrylate	4.513	41	338373	106.25	ug/L		90
59) 1,4-Dioxane	4.556	88	133930	1947.56	ug/L		76
60) 2-Chloroethyl vinyl ether	4.775	63	1399531	542.10	ug/L		96
61) cis-1,3-Dichloropropene	4.818	75	489448	113.19	ug/L		97
64) Toluene	4.976	91	1193019	96.18	ug/L		98
65) 2-Nitropropane	5.117	41	655317	457.42	ug/L		95
66) 4-Methyl-2-pentanone	5.208	43	2419471	475.19	ug/L		91
67) trans-1,3-Dichloropropene	5.238	75	455695	99.61	ug/L		94
68) Tetrachloroethene	5.226	166	263079	88.20	ug/L		97
69) Ethyl methacrylate	5.330	69	444669	117.68	ug/L		92
70) 1,1,2-Trichloroethane	5.342	83	249859	94.67	ug/L		96
71) Dibromochloromethane	5.464	129	288854	94.70	ug/L		100
72) 1,3-Dichloropropane	5.531	76	475793	95.36	ug/L		97
73) 1,2-Dibromoethane	5.629	107	301650	100.98	ug/L		99
74) 3,3-dimethyl-1-butanol	5.751	57	4714136	5502.18	ug/L		90
75) 2-hexanone	5.769	43	2484666	452.87	ug/L		86
76) 1-Chlorohexane	5.976	91	375124m	98.68	ug/L		
77) Ethylbenzene	6.013	91	1293112	97.03	ug/L		97
78) Chlorobenzene	5.994	112	757843	93.35	ug/L		95
79) 1,1,1,2-Tetrachloroethane	6.037	131	258189	100.38	ug/L		97
80) m,p-Xylene	6.116	91	2048463	200.39	ug/L		99
81) o-Xylene	6.427	91	1045281	103.69	ug/L		100
82) Styrene	6.464	104	843530	102.12	ug/L		97
83) Bromoform	6.482	173	186930	95.35	ug/L		98
84) Isopropylbenzene	6.659	105	1201552	107.06	ug/L		98
87) cis-1,4-Dichloro-2-butene	6.915	53	166109	109.84	ug/L	#	79
88) n-Propylbenzene	6.976	91	1506317	111.25	ug/L		98
89) Bromobenzene	6.952	156	281588	99.87	ug/L	#	84
90) 1,1,2,2-Tetrachloroethane	7.025	83	491454	108.17	ug/L		97
91) 1,3,5-Trimethylbenzene	7.128	105	1043023	114.72	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82559.D
Acq On : 7 Mar 2024 11:24 am
Operator : jeniferw
Sample : IC2972-7 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 07 11:59:51 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration

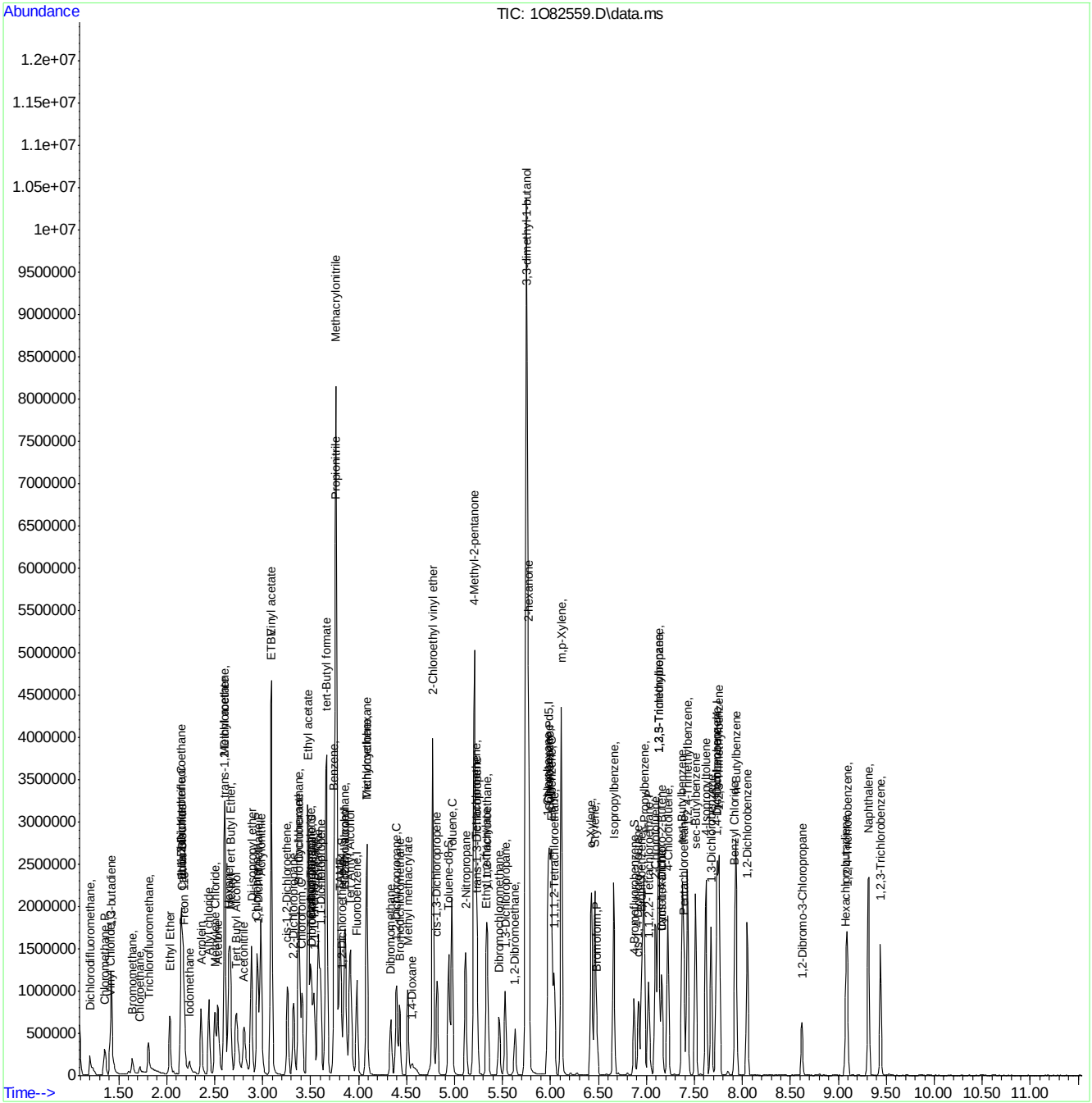
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92)	2-Chlorotoluene	7.092	91	1013356	107.57	ug/L		95
93)	trans-1,4-Dichloro-2-B...	7.159	53	131771	100.82	ug/L		95
94)	1,2,3-Trichloropropane	7.128	110	136250	101.82	ug/L		84
95)	Cyclohexanone	7.159	55	147016	570.38	ug/L		88
96)	4-Chlorotoluene	7.226	91	960473	107.73	ug/L		96
97)	tert-Butylbenzene	7.372	91	572417	111.77	ug/L		97
99)	1,2,4-Trimethylbenzene	7.427	105	1069469	106.01	ug/L		96
100)	Pentachloroethane	7.390	167	154132	108.21	ug/L		94
101)	sec-Butylbenzene	7.512	105	1233367	117.11	ug/L		99
102)	4-Isopropyltoluene	7.622	119	1040972	106.42	ug/L		99
103)	1,3-Dichlorobenzene	7.677	146	562715	99.30	ug/L		98
104)	1,2,3-Trimethylbenzene	7.756	105	1093566	110.94	ug/L		97
105)	1,4-Dichlorobenzene	7.738	146	566748	95.57	ug/L		95
106)	n-Butylbenzene	7.933	92	583975	106.02	ug/L		94
107)	Benzyl Chloride	7.921	126	174239	106.09	ug/L	#	50
108)	1,2-Dichlorobenzene	8.049	146	542040	99.60	ug/L		95
109)	1,2-Dibromo-3-Chloropr...	8.622	75	127381	124.63	ug/L		93
110)	Hexachlorobutadiene	9.079	225	114640	101.64	ug/L		95
111)	1,2,4-Trichlorobenzene	9.091	180	334041	104.93	ug/L		95
112)	Naphthalene	9.317	128	1395638	108.96	ug/L		100
113)	1,2,3-Trichlorobenzene	9.439	180	319869	105.02	ug/L		96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82559.D
Acq On : 7 Mar 2024 11:24 am
Operator : jeniferw
Sample : IC2972-7 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 07 11:59:51 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration



Manual Integration Approval Summary

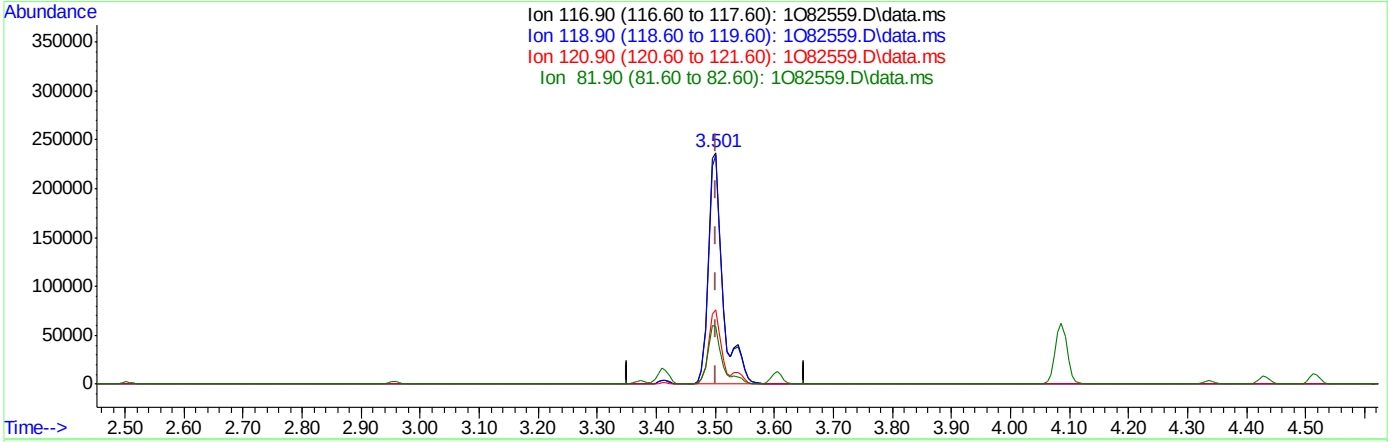
Sample Number: V1O2972-IC2972
Lab FileID: 1O82559.D
Injection Time: 03/07/24 11:24
Method: SW846 8260D
Analyst approved: 03/07/24 13:55 Jenifer Willis
Supervisor approved: 03/08/24 07:00 Neil Christiana

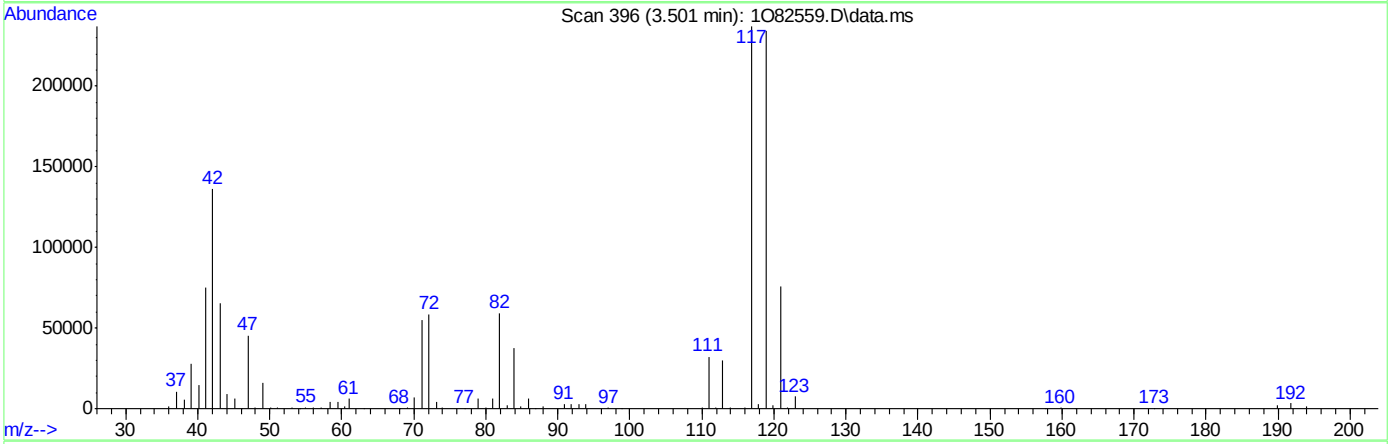
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.50	Overlapping peak
Isobutyl Alcohol	78-83-1		3.85	Poorly defined baseline
1-Chlorohexane	544-10-5		5.98	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82559.D
Acq On : 7 Mar 2024 11:24 am
Operator : jeniferw
Sample : IC2972-7 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 07 11:48:42 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration





TIC: 1O82559.D\data.ms

(40) Carbon Tetrachloride ( )

3.501min (-0.000) 113.85ug/L

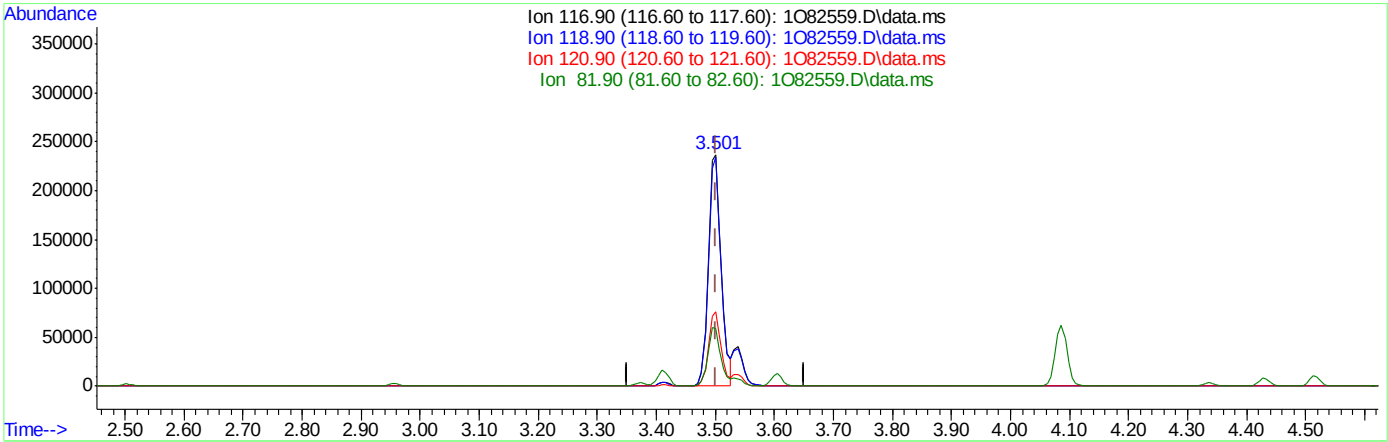
response 409560

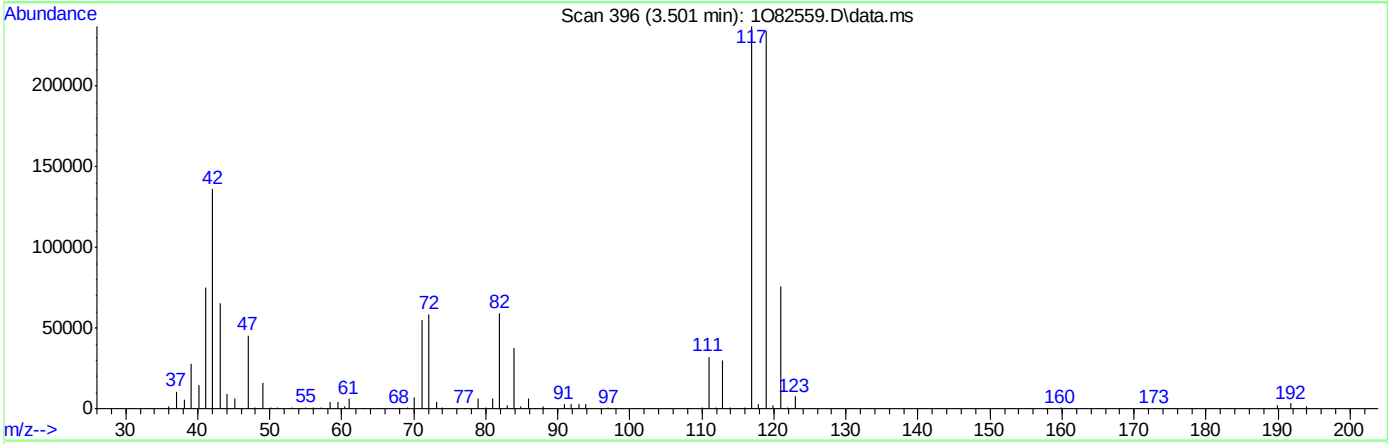
Ion	Exp%	Act%
116.90	100	100
118.90	99.30	98.73
120.90	31.50	32.12
81.90	24.40	24.93

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82559.D
Acq On : 7 Mar 2024 11:24 am
Operator : jeniferw
Sample : IC2972-7 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 07 11:48:42 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration





TIC: 1O82559.D\data.ms

(40) Carbon Tetrachloride ( )

3.501min (-0.000) 100.06ug/L m

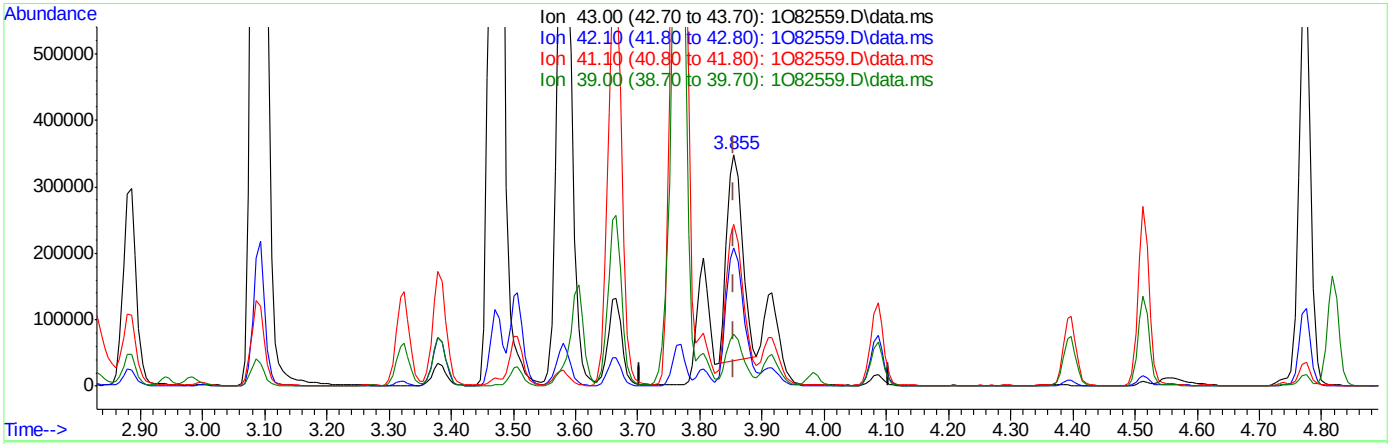
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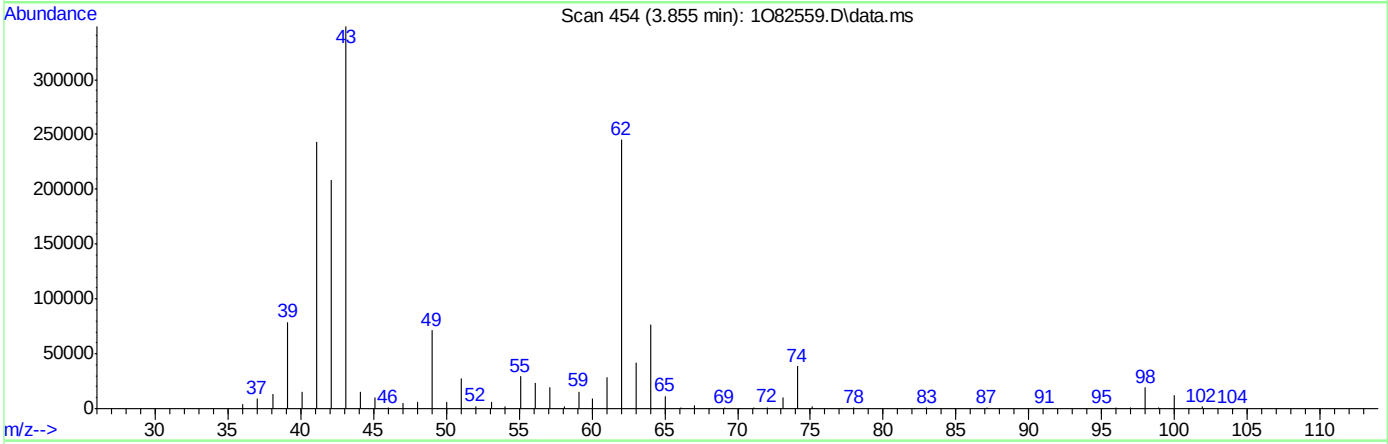
Ion	Exp%	Act%
116.90	100	100
118.90	99.30	98.73
120.90	31.50	32.12
81.90	24.40	24.93

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82559.D
Acq On : 7 Mar 2024 11:24 am
Operator : jeniferw
Sample : IC2972-7 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 07 11:48:42 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration





TIC: 1O82559.D\data.ms

(49) Isobutyl alcohol

3.855min (-0.000) 1578.09ug/L

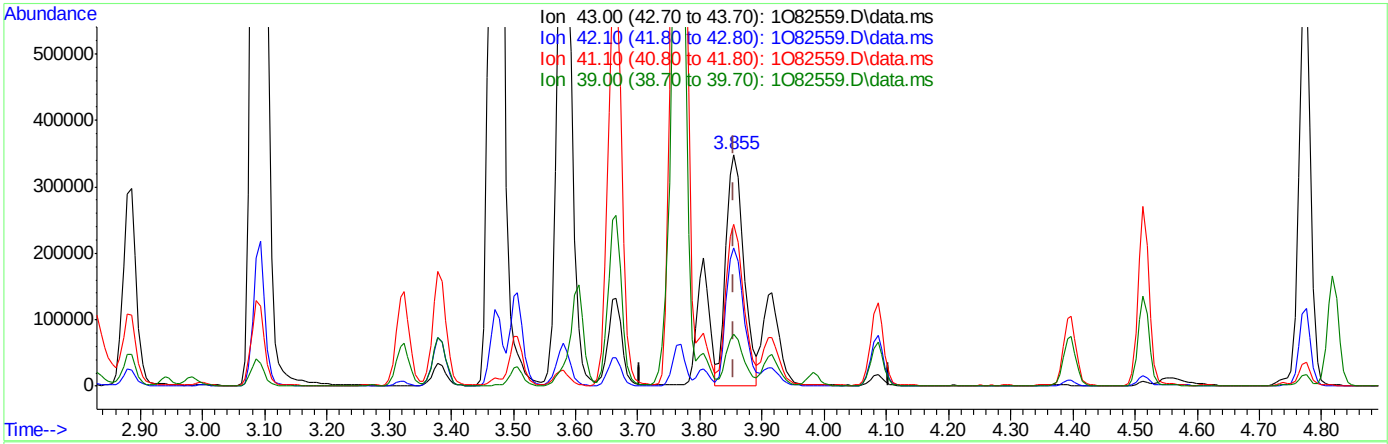
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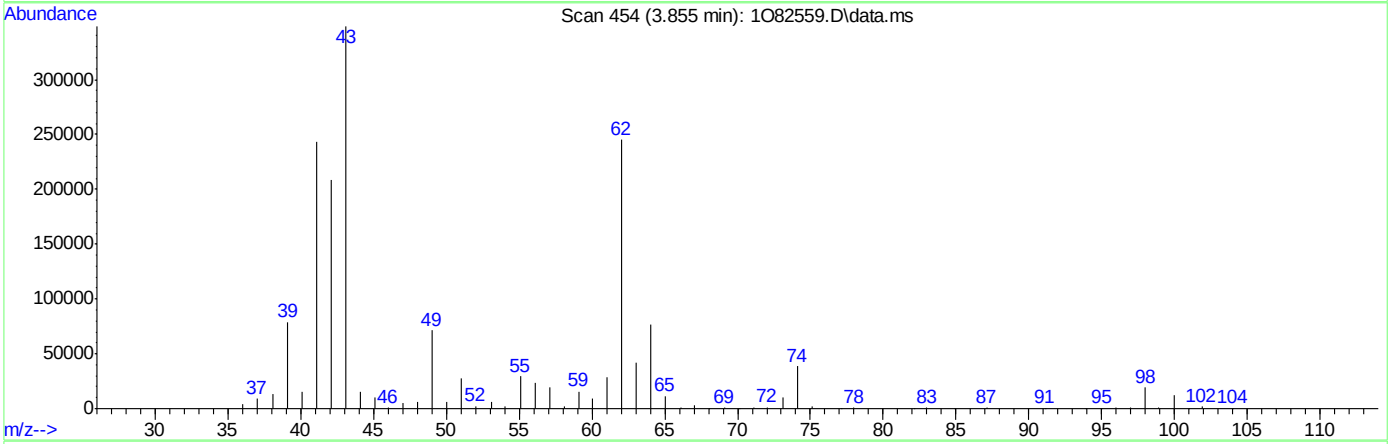
Ion	Exp%	Act%
43.00	100	100
42.10	58.50	61.38
41.10	77.50	69.53
39.00	31.30	21.46

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82559.D
Acq On : 7 Mar 2024 11:24 am
Operator : jeniferw
Sample : IC2972-7 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 07 11:48:42 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration





TIC: 1O82559.D\data.ms

(49) Isobutyl alcohol

3.855min (-0.000) 2020.71ug/L m

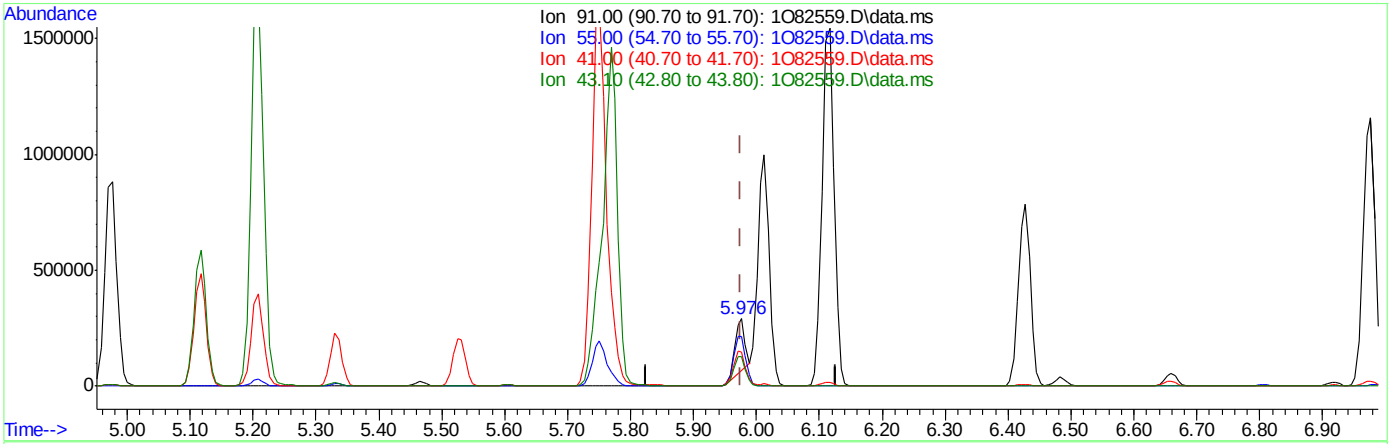
response 693931

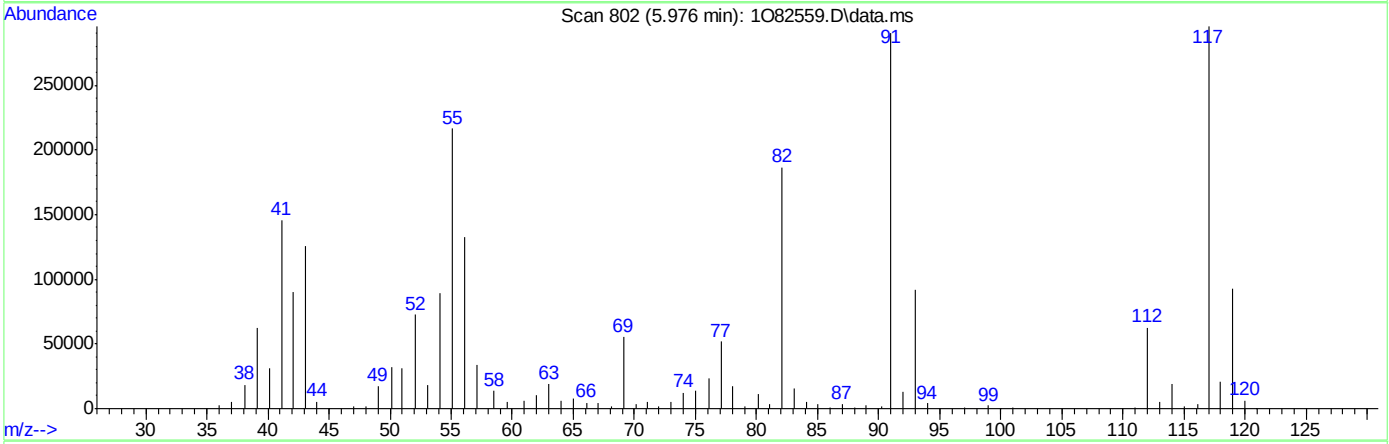
Ion	Exp%	Act%
43.00	100	100
42.10	58.50	59.70
41.10	77.50	69.69
39.00	31.30	22.63

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82559.D
Acq On : 7 Mar 2024 11:24 am
Operator : jeniferw
Sample : IC2972-7 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 07 11:48:42 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration





TIC: 1O82559.D\data.ms

(76) 1-Chlorohexane

5.976min (-0.000) 68.23ug/L

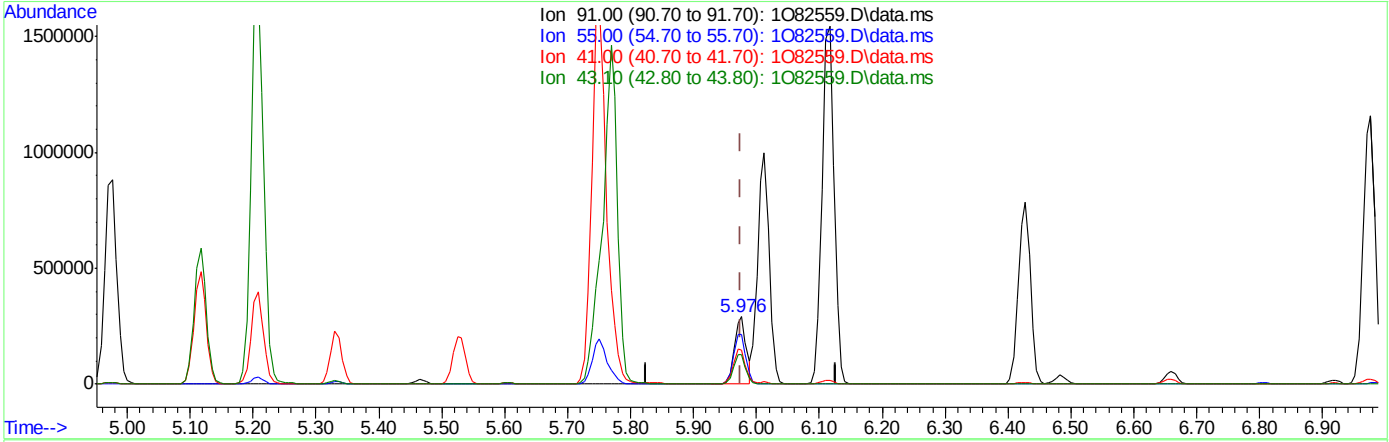
response 259363

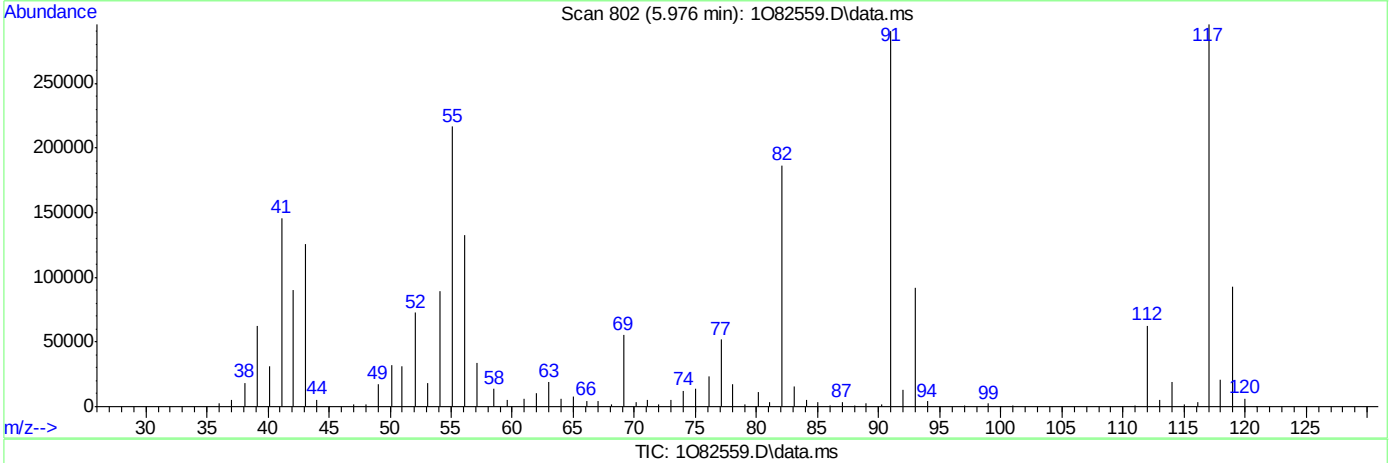
Ion	Exp%	Act%
91.00	100	100
55.00	67.60	73.54
41.00	55.00	48.50
43.10	42.40	42.08

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82559.D
Acq On : 7 Mar 2024 11:24 am
Operator : jeniferw
Sample : IC2972-7 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 07 11:48:42 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Jan 22 14:09:29 2024
Response via : Initial Calibration





TIC: 1O82559.D\data.ms

(76) 1-Chlorohexane

5.976min (-0.000) 98.68ug/L m

response 375124

Ion	Exp%	Act%
91.00	100	100
55.00	67.60	74.55
41.00	55.00	50.23
43.10	42.40	43.22

Manual Integrations APPROVED (compounds with "m" flag)
Neil Christiana 03/08/24 07:00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82561.D
Acq On : 7 Mar 2024 12:21 pm
Operator : jeniferw
Sample : ICV2972-5 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 07 13:55:24 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 13:43:12 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.983	96	702227	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.982	117	476532	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.726	152	249660	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.513	113	179849	50.29	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.58%			
50) 1,2-Dichloroethane-d4	3.818	65	226898	49.95	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 99.90%			
63) Toluene-d8	4.940	98	695528	49.77	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 99.54%			
86) 4-Bromofluorobenzene	6.872	174	177372	50.00	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.00%			
Target Compounds						Qvalue
4) 1,3-butadiene	1.416	39	96803	34.06	ug/L	99
8) Trichlorofluoromethane	1.819	101	164218	47.45	ug/L	97
9) Ethyl Ether	2.026	59	107864	37.26	ug/L	98
10) Ethanol	2.129	45	57665	815.85	ug/L	93
11) 1,2-Dichlorotrifluoroe...	2.148	67	142905	41.21	ug/L	97
12) 1,1-Dichloroethene	2.148	61	163765	35.89	ug/L	99
13) Freon 113	2.178	101	105536	42.08	ug/L	98
14) Carbon Disulfide	2.166	76	309984	33.99	ug/L	99
15) Iodomethane	2.239	142	40906	38.80	ug/L	99
16) Acrolein	2.355	56	196972	179.91	ug/L	98
17) Allyl chloride	2.440	41	166393	39.33	ug/L	97
18) Methylene Chloride	2.501	49	163732	41.52	ug/L	100
19) Acetone	2.526	43	323796	205.68	ug/L	100
20) Methyl acetate	2.599	43	722215	181.84	ug/L	99
21) trans-1,2-Dichloroethene	2.599	61	175634	38.08	ug/L	100
22) Hexane	2.648	56	100319	39.83	ug/L	99
23) Methyl Tert Butyl Ether	2.660	73	347856	38.60	ug/L	97
24) Tert Butyl Alcohol	2.709	59	385376	408.50	ug/L	99
25) Acetonitrile	2.800	41	265356	445.59	ug/L	98
26) Di-isopropyl ether	2.879	45	375061	38.00	ug/L	99
27) Chloroprene	2.940	53	190431	40.05	ug/L	98
28) 1,1-Dichloroethane	2.952	63	215091	36.40	ug/L	98
29) Acrylonitrile	2.977	52	376634	212.94	ug/L	99
30) ETBE	3.087	59	404385	39.27	ug/L	100
31) Vinyl acetate	3.087	43	1594011	226.99	ug/L	100
32) cis-1,2-Dichloroethene	3.257	96	116608	36.44	ug/L	99
33) 2,2-Dichloropropane	3.324	77	167497	39.73	ug/L	98
34) Bromochloromethane	3.373	128	54816	37.75	ug/L	97
35) Cyclohexane	3.379	56	210222	37.61	ug/L	92
36) Chloroform	3.410	83	211292	38.36	ug/L	98
37) Ethyl acetate	3.471	43	1037659	211.16	ug/L	99
38) Tetrahydrofuran	3.501	42	74620	38.02	ug/L	99
40) Carbon Tetrachloride	3.495	117	138062m	40.16	ug/L	
41) 1,1,1-Trichloroethane	3.532	97	167841	38.46	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82561.D
Acq On : 7 Mar 2024 12:21 pm
Operator : jeniferw
Sample : ICV2972-5 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 07 13:55:24 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 13:43:12 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2-Butanone	3.574	43	553098	195.91	ug/L	99
43) 1,1-Dichloropropene	3.605	75	154383	39.47	ug/L	99
44) tert-Butyl formate	3.660	59	591930	213.15	ug/L	99
45) Propionitrile	3.751	54	394358	419.28	ug/L	94
46) Methacrylonitrile	3.763	41	1129656	412.94	ug/L	100
47) Benzene	3.745	78	446850	38.24	ug/L	98
48) TAME	3.806	73	339232	38.98	ug/L	98
49) Isobutyl alcohol	3.842	43	267967m	811.53	ug/L	
51) 1,2-Dichloroethane	3.861	62	170007	38.60	ug/L	99
52) Tert Amyl Alcohol	3.903	59	322002	408.45	ug/L	99
53) Trichloroethene	4.086	95	120252	37.83	ug/L	97
54) Methylcyclohexane	4.086	83	182074	40.57	ug/L	100
55) Dibromomethane	4.336	93	78946	39.70	ug/L	99
56) 1,2-Dichloropropane	4.397	63	135462	40.54	ug/L	98
57) Bromodichloromethane	4.428	83	153188	38.35	ug/L	99
58) Methyl methacrylate	4.513	41	147424	43.32	ug/L	99
59) 1,4-Dioxane	4.550	88	43273	719.57	ug/L	96
60) 2-Chloroethyl vinyl ether	4.769	63	579257	206.52	ug/L	100
61) cis-1,3-Dichloropropene	4.818	75	196755	40.39	ug/L	99
64) Toluene	4.970	91	473357	38.82	ug/L	100
65) 2-Nitropropane	5.117	41	250768	204.36	ug/L	99
66) 4-Methyl-2-pentanone	5.202	43	1008891	207.79	ug/L	100
67) trans-1,3-Dichloropropene	5.232	75	175455	38.48	ug/L	99
68) Tetrachloroethene	5.226	166	105945	40.19	ug/L	99
69) Ethyl methacrylate	5.330	69	186559	41.80	ug/L	98
70) 1,1,2-Trichloroethane	5.342	83	101206	38.54	ug/L	98
71) Dibromochloromethane	5.464	129	113603	41.29	ug/L	100
72) 1,3-Dichloropropane	5.525	76	206011	41.99	ug/L	99
73) 1,2-Dibromoethane	5.629	107	120547	39.89	ug/L	97
74) 3,3-dimethyl-1-butanol	5.745	57	1985538	2147.10	ug/L	100
75) 2-hexanone	5.769	43	1061917	207.13	ug/L	100
76) 1-Chlorohexane	5.970	91	152016m	37.65	ug/L	
77) Ethylbenzene	6.013	91	520525	39.29	ug/L	99
78) Chlorobenzene	5.995	112	300954	39.01	ug/L	100
79) 1,1,1,2-Tetrachloroethane	6.037	131	103365	39.81	ug/L	98
80) m,p-Xylene	6.110	91	822430	78.05	ug/L	100
81) o-Xylene	6.427	91	418343	38.04	ug/L	99
82) Styrene	6.464	104	341090	40.97	ug/L	98
83) Bromoform	6.482	173	67073	40.58	ug/L	99
84) Isopropylbenzene	6.659	105	484669	39.39	ug/L	99
87) cis-1,4-Dichloro-2-butene	6.915	53	65712	41.36	ug/L	98
88) n-Propylbenzene	6.970	91	594130	39.94	ug/L	99
89) Bromobenzene	6.952	156	116531	41.91	ug/L	99
90) 1,1,2,2-Tetrachloroethane	7.019	83	192644	41.08	ug/L	99
91) 1,3,5-Trimethylbenzene	7.122	105	421473	40.46	ug/L	99
92) 2-Chlorotoluene	7.092	91	404297	39.74	ug/L	99
93) trans-1,4-Dichloro-2-B...	7.159	53	49032	37.92	ug/L	99
94) 1,2,3-Trichloropropane	7.128	110	58764	44.49	ug/L	99
95) Cyclohexanone	7.159	55	54038	183.76	ug/L	97
96) 4-Chlorotoluene	7.220	91	382470	39.70	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82561.D
Acq On : 7 Mar 2024 12:21 pm
Operator : jeniferw
Sample : ICV2972-5 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 07 13:55:24 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 13:43:12 2024
Response via : Initial Calibration

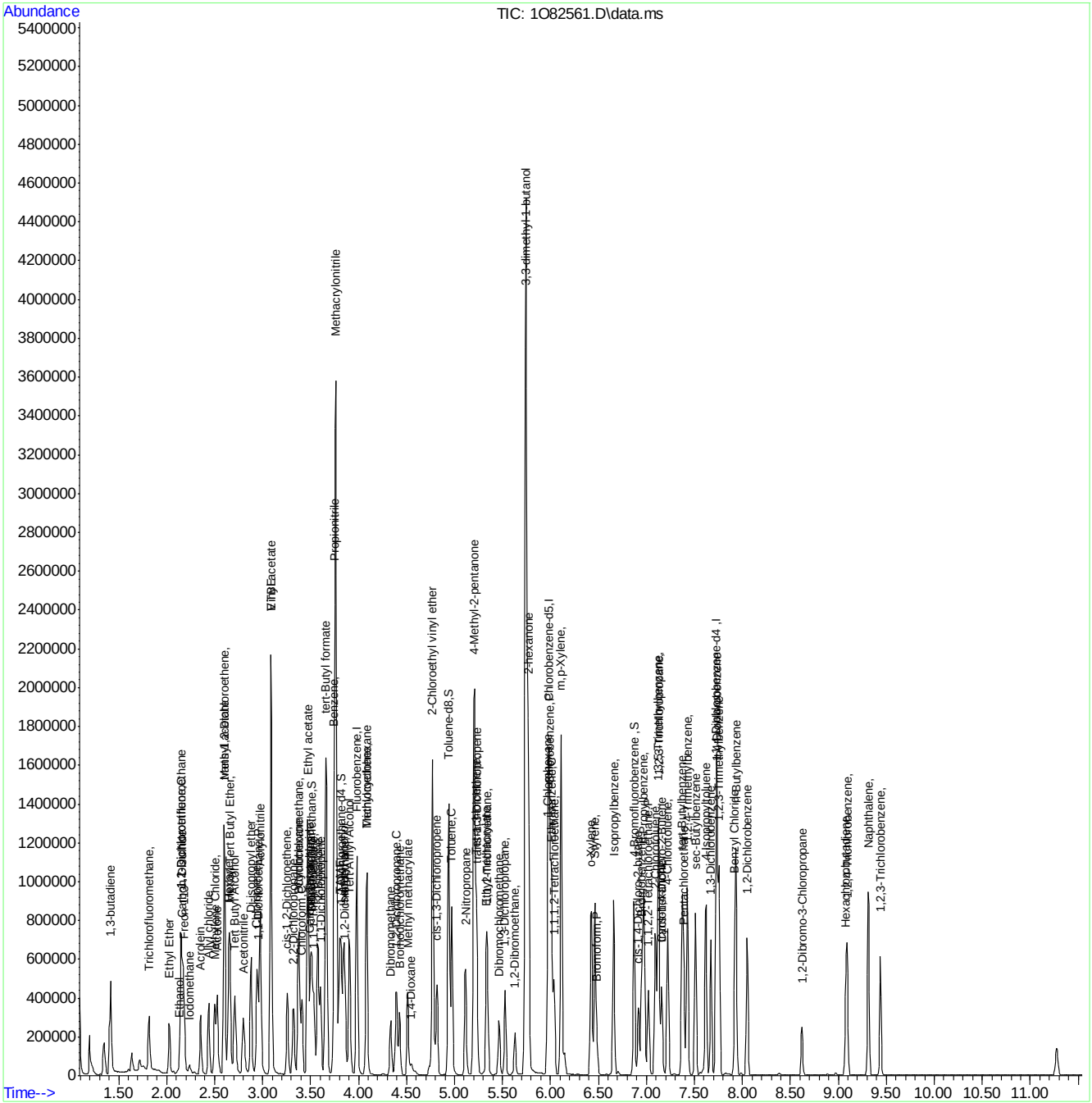
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
97) tert-Butylbenzene	7.372	91	235935	40.62	ug/L		99
99) 1,2,4-Trimethylbenzene	7.427	105	438020	41.95	ug/L		100
100) Pentachloroethane	7.391	167	62754	45.50	ug/L	#	81
101) sec-Butylbenzene	7.513	105	470991	39.23	ug/L		99
102) 4-Isopropyltoluene	7.622	119	422698	41.76	ug/L		99
103) 1,3-Dichlorobenzene	7.671	146	219032	39.35	ug/L		97
104) 1,2,3-Trimethylbenzene	7.756	105	454353	42.20	ug/L		99
105) 1,4-Dichlorobenzene	7.738	146	224840	40.07	ug/L		99
106) n-Butylbenzene	7.933	92	246184	43.48	ug/L		97
107) Benzyl Chloride	7.921	126	68290	42.13	ug/L		94
108) 1,2-Dichlorobenzene	8.049	146	212074	40.43	ug/L		99
109) 1,2-Dibromo-3-Chloropr...	8.622	75	50111	44.19	ug/L		95
110) Hexachlorobutadiene	9.079	225	49951	45.41	ug/L		97
111) 1,2,4-Trichlorobenzene	9.091	180	132989	41.22	ug/L		98
112) Naphthalene	9.311	128	533150	39.52	ug/L		100
113) 1,2,3-Trichlorobenzene	9.439	180	125044	41.53	ug/L		99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82561.D
Acq On : 7 Mar 2024 12:21 pm
Operator : jeniferw
Sample : ICV2972-5 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 07 13:55:24 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 13:43:12 2024
Response via : Initial Calibration



Manual Integration Approval Summary

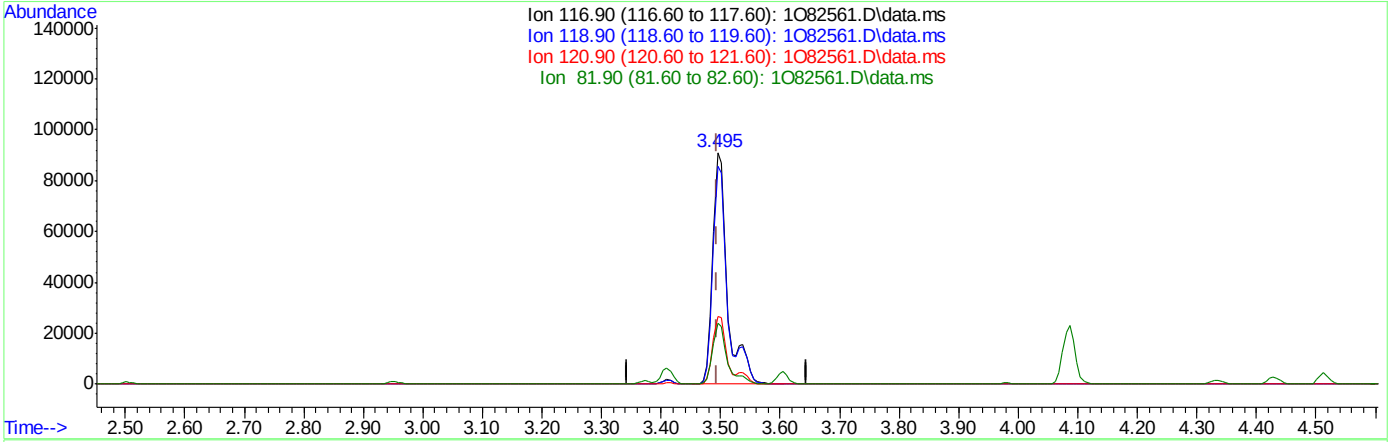
Sample Number: V1O2972-ICV2972 **Method:** SW846 8260D
Lab FileID: 1O82561.D **Analyst approved:** 03/07/24 13:55 Jenifer Willis
Injection Time: 03/07/24 12:21 **Supervisor approved:** 03/08/24 07:00 Neil Christiana

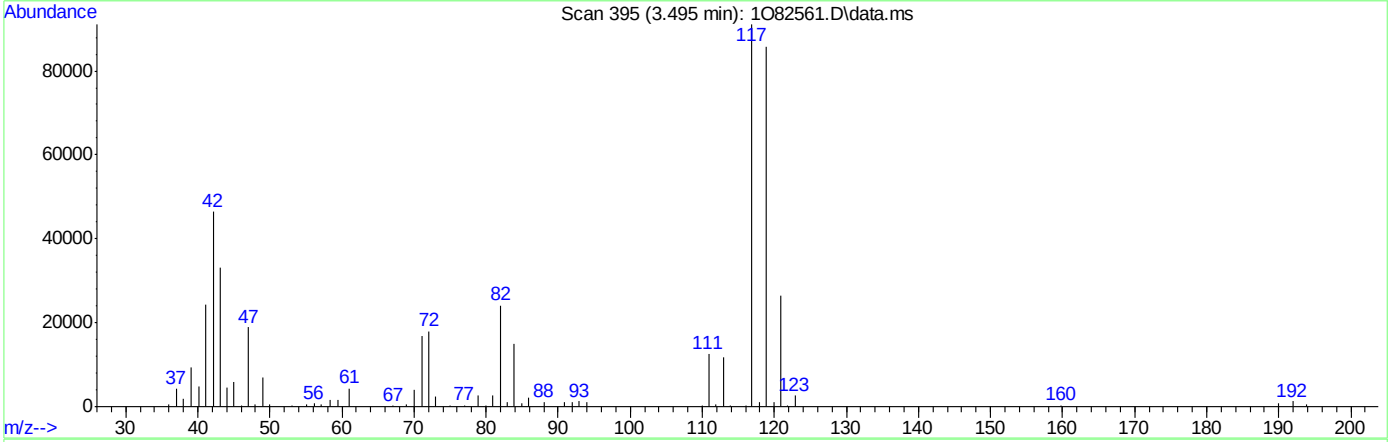
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.50	Overlapping peak
Isobutyl Alcohol	78-83-1		3.84	Poorly defined baseline
1-Chlorohexane	544-10-5		5.97	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82561.D
Acq On : 7 Mar 2024 12:21 pm
Operator : jeniferw
Sample : ICV2972-5 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 07 13:52:47 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 13:43:12 2024
Response via : Initial Calibration





TIC: 1O82561.D\data.ms

(40) Carbon Tetrachloride ( )

3.495min (+0.000) 45.55ug/L

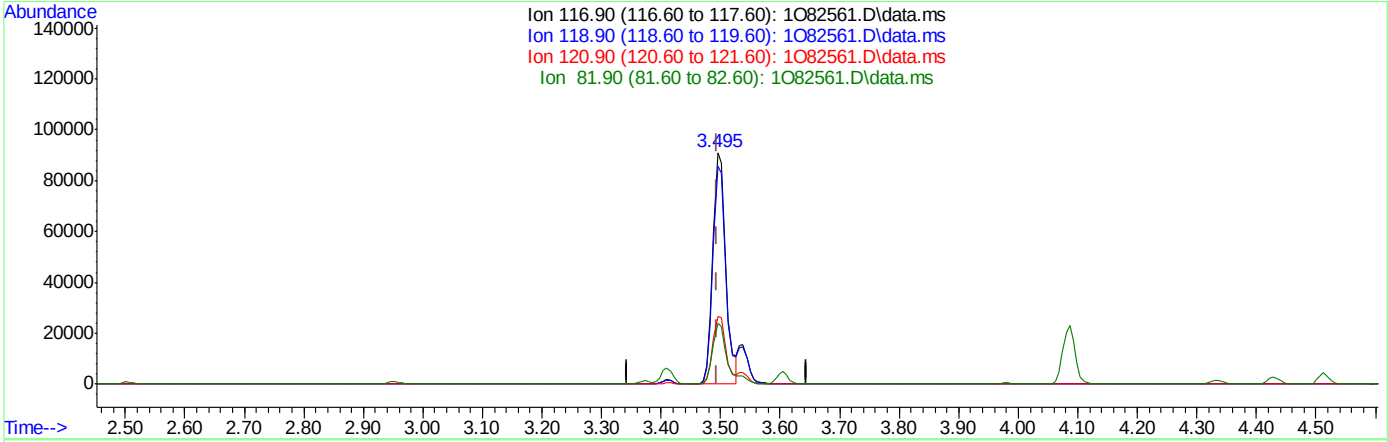
response 156594

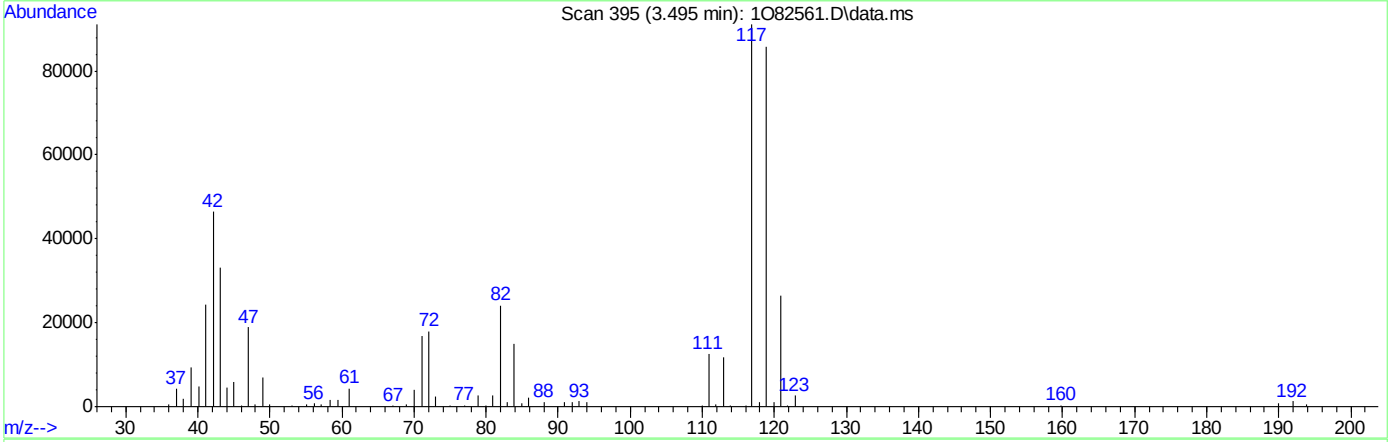
Ion	Exp%	Act%
116.90	100	100
118.90	93.10	94.26
120.90	29.70	29.06
81.90	25.40	26.42

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82561.D
Acq On : 7 Mar 2024 12:21 pm
Operator : jeniferw
Sample : ICV2972-5 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 07 13:52:47 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 13:43:12 2024
Response via : Initial Calibration





TIC: 1O82561.D\data.ms

(40) Carbon Tetrachloride ( )

3.495min (+0.000) 40.16ug/L m

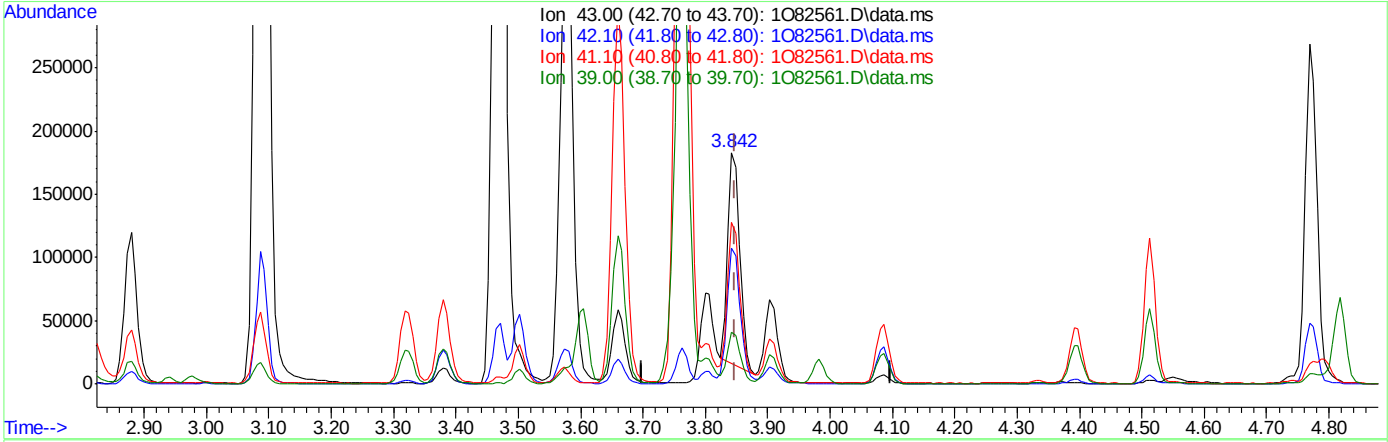
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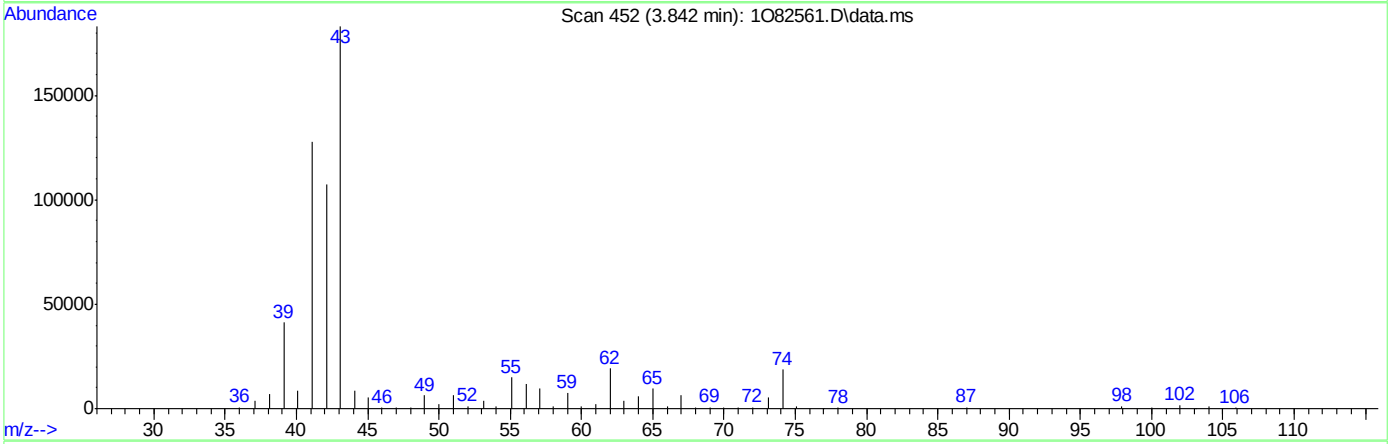
Ion	Exp%	Act%
116.90	100	100
118.90	93.10	94.26
120.90	29.70	29.06
81.90	25.40	26.42

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82561.D
Acq On : 7 Mar 2024 12:21 pm
Operator : jeniferw
Sample : ICV2972-5 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 07 13:52:47 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 13:43:12 2024
Response via : Initial Calibration





TIC: 1O82561.D\data.ms

(49) Isobutyl alcohol

3.842min (-0.006) 676.01ug/L

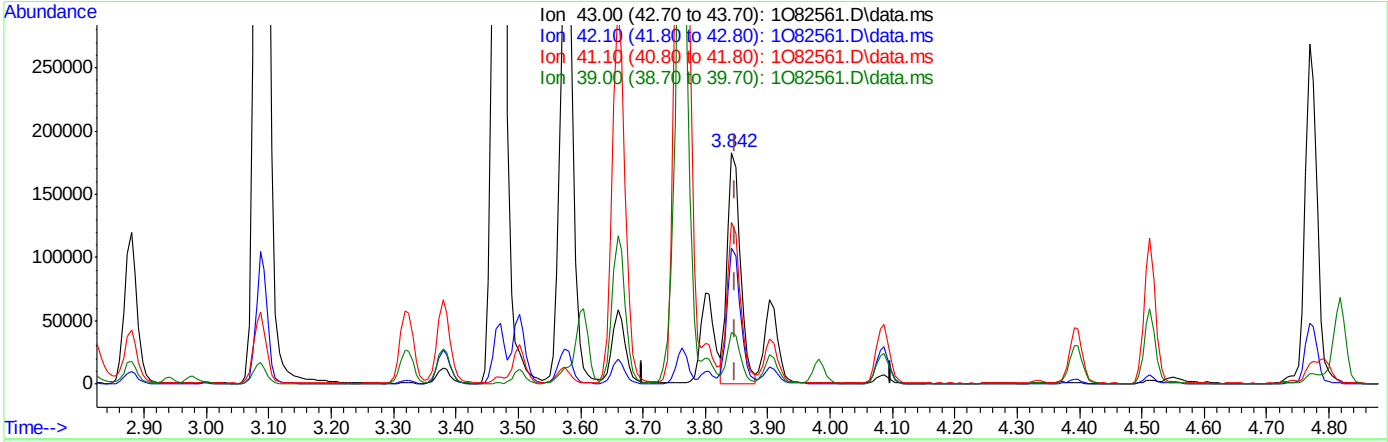
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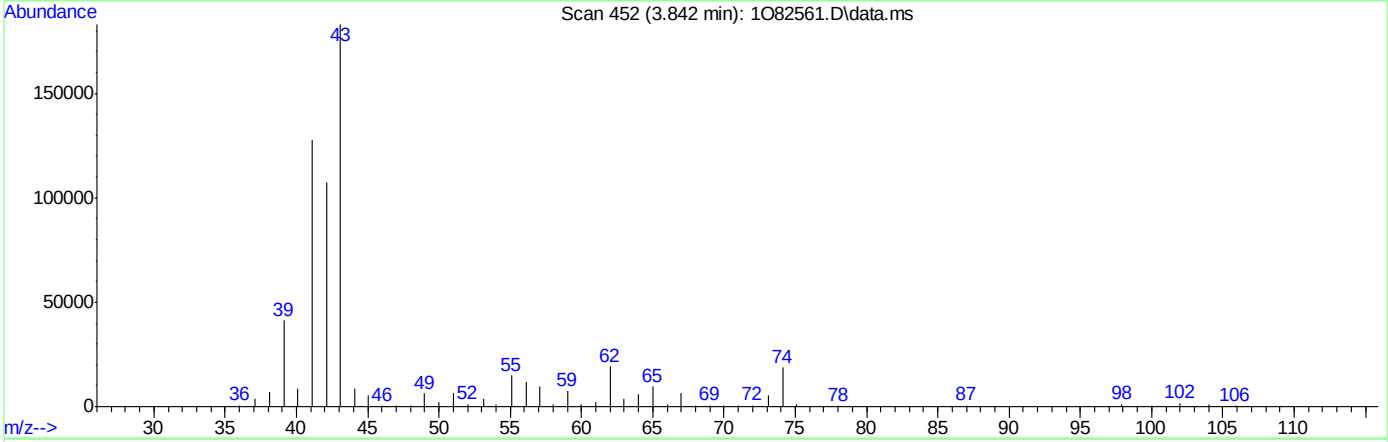
Ion	Exp%	Act%
43.00	100	100
42.10	60.00	58.84
41.10	68.80	68.71
39.00	22.50	22.05

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82561.D
Acq On : 7 Mar 2024 12:21 pm
Operator : jeniferw
Sample : ICV2972-5 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 07 13:52:47 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 13:43:12 2024
Response via : Initial Calibration





TIC: 1O82561.D\data.ms

(49) Isobutyl alcohol

3.842min (-0.006) 811.53ug/L m

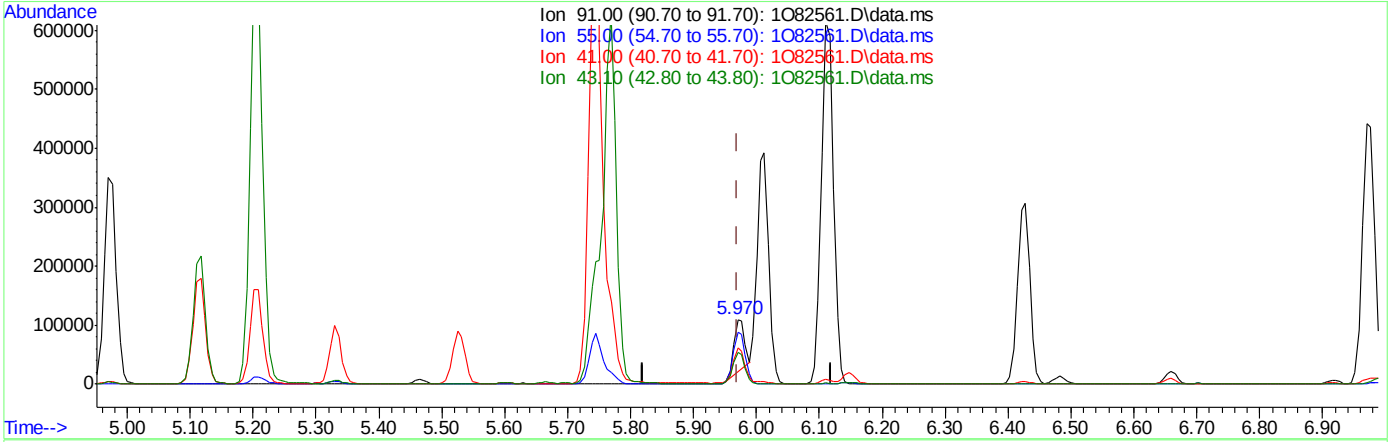
response 267967

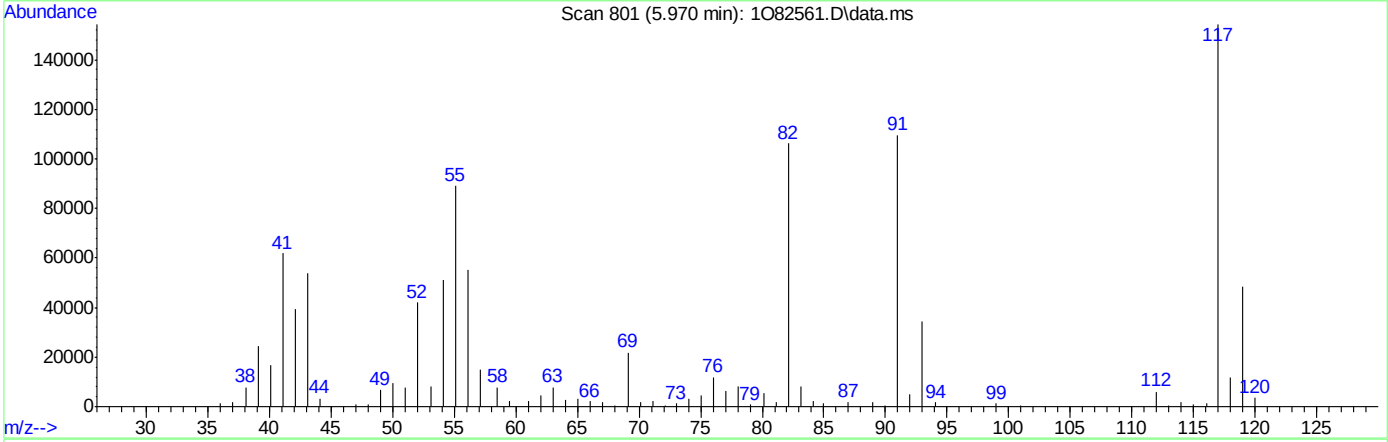
Ion	Exp%	Act%
43.00	100	100
42.10	60.00	58.73
41.10	68.80	69.79
39.00	22.50	22.45

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82561.D
Acq On : 7 Mar 2024 12:21 pm
Operator : jeniferw
Sample : ICV2972-5 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 07 13:52:47 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 13:43:12 2024
Response via : Initial Calibration





TIC: 1O82561.D\data.ms

(76) 1-Chlorohexane

5.970min (+0.000) 26.23ug/L

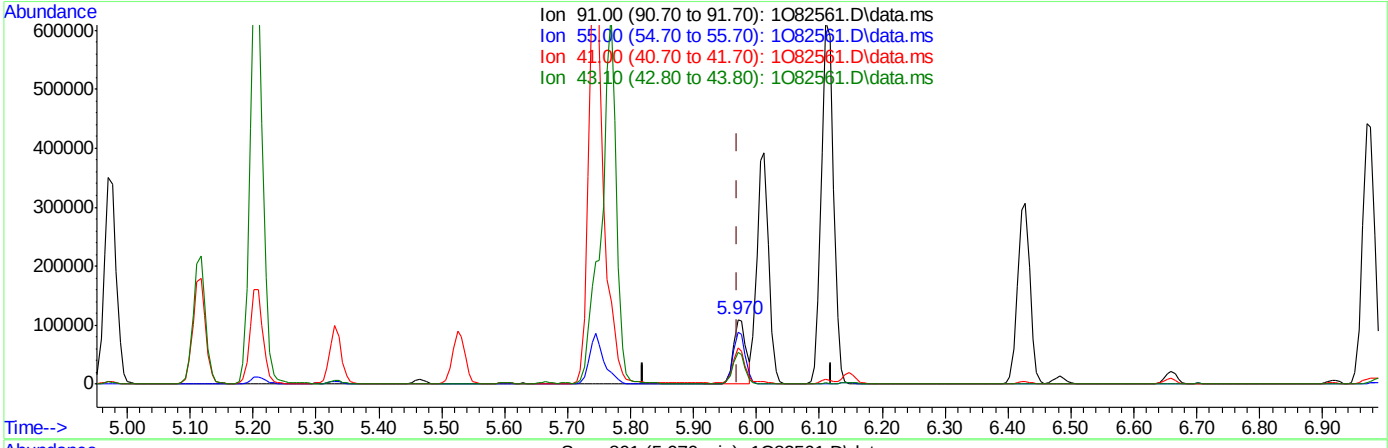
response 105890

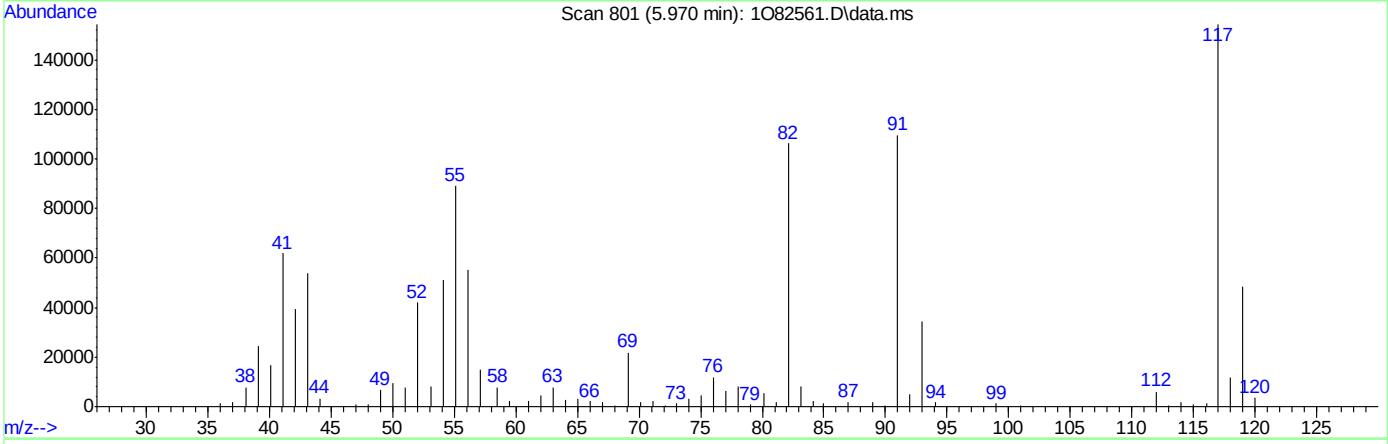
Ion	Exp%	Act%
91.00	100	100
55.00	82.50	80.08
41.00	56.60	53.93
43.10	48.60	47.57

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82561.D
Acq On : 7 Mar 2024 12:21 pm
Operator : jeniferw
Sample : ICV2972-5 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 07 13:52:47 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 13:43:12 2024
Response via : Initial Calibration





TIC: 1O82561.D\data.ms

(76) 1-Chlorohexane

5.970min (+0.000) 37.65ug/L m

response 152016

Ion	Exp%	Act%
91.00	100	100
55.00	82.50	81.21
41.00	56.60	56.43
43.10	48.60	49.15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82562.D
Acq On : 7 Mar 2024 1:14 pm
Operator : jeniferw
Sample : ICV2972-4 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 07 13:55:30 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 13:43:12 2024
Response via : Initial Calibration

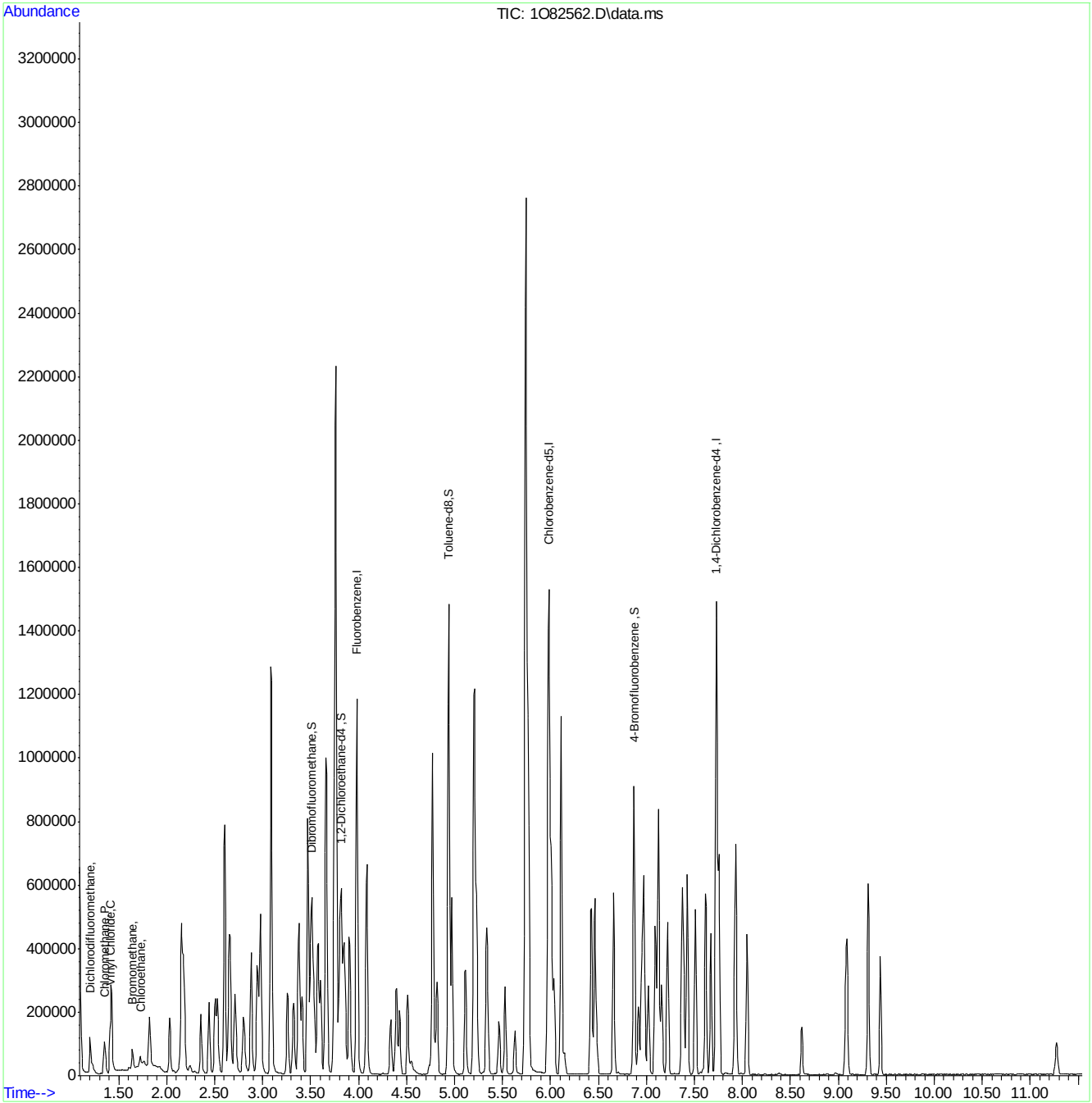
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.983	96	732639	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.982	117	491580	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.726	152	260417	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.513	113	188250	50.46	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.92%			
50) 1,2-Dichloroethane-d4	3.818	65	233558	49.29	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 98.58%			
63) Toluene-d8	4.940	98	724426	50.25	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.50%			
86) 4-Bromofluorobenzene	6.872	174	182917	49.43	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.86%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.203	85	87114	34.28	ug/L	99
3) Chloromethane	1.355	50	92347	28.22	ug/L	99
5) Vinyl Chloride	1.410	62	95873	27.36	ug/L	100
6) Bromomethane	1.642	94	25911	29.85	ug/L	100
7) Chloroethane	1.727	64	25038	31.69	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-07-2024\
Data File : 1O82562.D
Acq On : 7 Mar 2024 1:14 pm
Operator : jeniferw
Sample : ICV2972-4 Inst : MSVOA12
Misc : MS56035,V1O2972,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 07 13:55:30 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 13:43:12 2024
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
03/15/24 12:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-14-2024\
Data File : 1O82622.D
Acq On : 14 Mar 2024 7:52 am
Operator : jeniferw
Sample : CC2972-4 Inst : MSVOA12
Misc : MS56076,V1O2976,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 14 08:08:55 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.983	96	731045	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.976	117	495052	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.726	152	260998	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.513	113	185548	49.84	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.68%			
50) 1,2-Dichloroethane-d4	3.818	65	240233	50.81	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 101.62%			
63) Toluene-d8	4.940	98	729137	50.22	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.44%			
86) 4-Bromofluorobenzene	6.866	174	185659	50.06	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.12%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.197	85	68012	26.82	ug/L	96
3) Chloromethane	1.349	50	85975	26.33	ug/L	99
4) 1,3-butadiene	1.416	39	68642	23.20	ug/L	96
5) Vinyl Chloride	1.404	62	89918	25.71	ug/L	98
6) Bromomethane	1.636	94	24137	27.87	ug/L	97
7) Chloroethane	1.715	64	20570	25.87	ug/L	93
8) Trichlorofluoromethane	1.812	101	93482	25.95	ug/L	98
9) Ethyl Ether	2.026	59	73993	24.55	ug/L	100
10) Ethanol	2.129	45	40301	547.71	ug/L	99
11) 1,2-Dichlorotrifluoroe...	2.148	67	88624	24.55	ug/L	98
12) 1,1-Dichloroethene	2.148	61	118323	24.91	ug/L	97
13) Freon 113	2.178	101	66268	25.38	ug/L	99
14) Carbon Disulfide	2.166	76	229195	24.14	ug/L	97
15) Iodomethane	2.239	142	27252	28.02	ug/L	98
16) Acrolein	2.355	56	136490	119.75	ug/L	99
17) Allyl chloride	2.440	41	108843	24.72	ug/L	97
18) Methylene Chloride	2.501	49	115343	28.10	ug/L	97
19) Acetone	2.526	43	217651	132.80	ug/L	99
20) Methyl acetate	2.599	43	528388	127.80	ug/L	99
21) trans-1,2-Dichloroethene	2.599	61	119351	24.86	ug/L	98
22) Hexane	2.648	56	66337	25.30	ug/L	98
23) Methyl Tert Butyl Ether	2.660	73	224507	23.93	ug/L	99
24) Tert Butyl Alcohol	2.709	59	261501	266.26	ug/L	96
25) Acetonitrile	2.800	41	176031	285.13	ug/L	98
26) Di-isopropyl ether	2.879	45	259843	25.29	ug/L	99
27) Chloroprene	2.940	53	116910	23.62	ug/L	99
28) 1,1-Dichloroethane	2.952	63	149530	24.31	ug/L	97
29) Acrylonitrile	2.977	52	240685	130.72	ug/L	99
30) ETBE	3.086	59	262932	24.52	ug/L	99
31) Vinyl acetate	3.086	43	938717	128.40	ug/L	99
32) cis-1,2-Dichloroethene	3.257	96	75593	22.69	ug/L	96
33) 2,2-Dichloropropane	3.318	77	102634	23.39	ug/L	98
34) Bromochloromethane	3.373	128	36500	24.14	ug/L	95
35) Cyclohexane	3.379	56	145392	24.99	ug/L	91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-14-2024\
Data File : 1O82622.D
Acq On : 14 Mar 2024 7:52 am
Operator : jeniferw
Sample : CC2972-4 Inst : MSVOA12
Misc : MS56076,V1O2976,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 14 08:08:55 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Chloroform	3.410	83	136377	23.78	ug/L	99
37) Ethyl acetate	3.471	43	663455	129.69	ug/L	99
38) Tetrahydrofuran	3.501	42	53334	26.10	ug/L	99
40) Carbon Tetrachloride	3.495	117	83156m	23.23	ug/L	
41) 1,1,1-Trichloroethane	3.532	97	108284	23.83	ug/L	95
42) 2-Butanone	3.574	43	381806	129.91	ug/L	98
43) 1,1-Dichloropropene	3.599	75	99317	24.39	ug/L	96
44) tert-Butyl formate	3.660	59	357061	123.51	ug/L	98
45) Propionitrile	3.751	54	257083	262.55	ug/L	92
46) Methacrylonitrile	3.763	41	727473	255.44	ug/L	100
47) Benzene	3.745	78	291746	23.98	ug/L	91
48) TAME	3.800	73	215355	23.77	ug/L	97
49) Isobutyl alcohol	3.842	43	188383m	548.02	ug/L	
51) 1,2-Dichloroethane	3.855	62	113315	24.71	ug/L	98
52) Tert Amyl Alcohol	3.903	59	216734	264.08	ug/L	98
53) Trichloroethene	4.080	95	78554	23.74	ug/L	99
54) Methylcyclohexane	4.080	83	117224	25.09	ug/L	97
55) Dibromomethane	4.330	93	49222	23.78	ug/L	94
56) 1,2-Dichloropropane	4.391	63	83792	24.09	ug/L	98
57) Bromodichloromethane	4.428	83	97392	23.42	ug/L	99
58) Methyl methacrylate	4.513	41	86300	24.36	ug/L	97
59) 1,4-Dioxane	4.544	88	33734	538.84	ug/L	95
60) 2-Chloroethyl vinyl ether	4.769	63	360912	123.60	ug/L	99
61) cis-1,3-Dichloropropene	4.818	75	121097	23.88	ug/L	99
64) Toluene	4.970	91	300671	23.74	ug/L	98
65) 2-Nitropropane	5.110	41	166070	130.28	ug/L	99
66) 4-Methyl-2-pentanone	5.202	43	640347	126.95	ug/L	99
67) trans-1,3-Dichloropropene	5.232	75	113870	24.04	ug/L	99
68) Tetrachloroethene	5.226	166	66092	24.14	ug/L	94
69) Ethyl methacrylate	5.330	69	107804	23.25	ug/L	95
70) 1,1,2-Trichloroethane	5.342	83	63904	23.43	ug/L	96
71) Dibromochloromethane	5.464	129	67698	23.68	ug/L	100
72) 1,3-Dichloropropane	5.525	76	122932	24.12	ug/L	99
73) 1,2-Dibromoethane	5.629	107	75018	23.89	ug/L	99
74) 3,3-dimethyl-1-butanol	5.738	57	1286290	1338.92	ug/L	97
75) 2-hexanone	5.763	43	693896	130.28	ug/L	93
76) 1-Chlorohexane	5.970	91	91766m	21.88	ug/L	
77) Ethylbenzene	6.007	91	331669	24.10	ug/L	98
78) Chlorobenzene	5.988	112	191439	23.89	ug/L	98
79) 1,1,1,2-Tetrachloroethane	6.031	131	64318	23.84	ug/L	98
80) m,p-Xylene	6.110	91	517550	47.28	ug/L	99
81) o-Xylene	6.421	91	263945	23.10	ug/L	98
82) Styrene	6.458	104	205182	23.72	ug/L	98
83) Bromoform	6.482	173	41337	24.07	ug/L	97
84) Isopropylbenzene	6.653	105	306501	23.98	ug/L	99
87) cis-1,4-Dichloro-2-butene	6.909	53	42995	25.89	ug/L	89
88) n-Propylbenzene	6.970	91	371131	23.87	ug/L	99
89) Bromobenzene	6.952	156	70899	24.39	ug/L	91
90) 1,1,2,2-Tetrachloroethane	7.019	83	122111	24.91	ug/L	99
91) 1,3,5-Trimethylbenzene	7.122	105	260691	23.94	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-14-2024\
Data File : 1O82622.D
Acq On : 14 Mar 2024 7:52 am
Operator : jeniferw
Sample : CC2972-4 Inst : MSVOA12
Misc : MS56076,V1O2976,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 14 08:08:55 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration

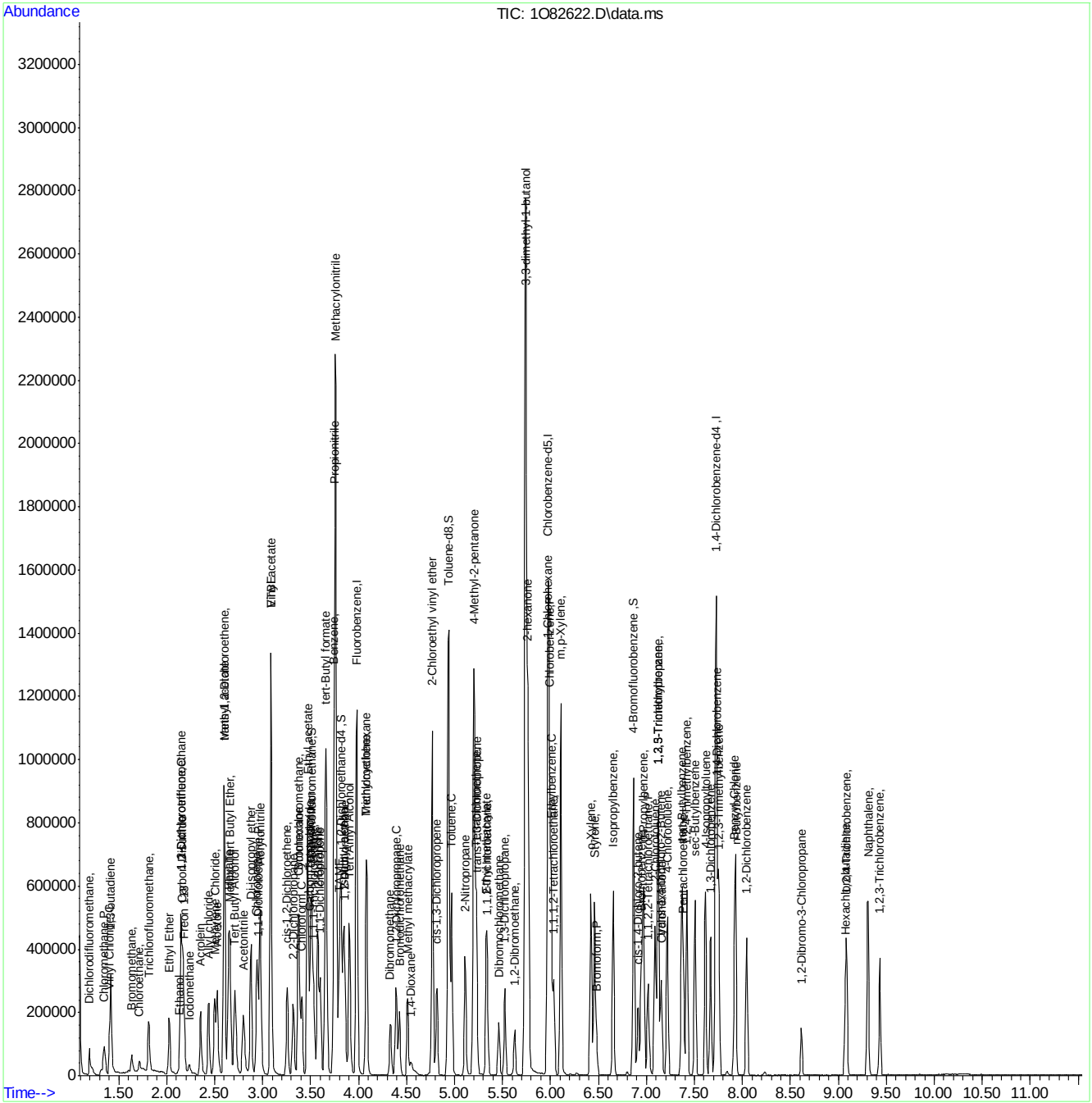
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92)	2-Chlorotoluene	7.092	91	254052	23.89	ug/L		99
93)	trans-1,4-Dichloro-2-B...	7.153	53	34532	25.54	ug/L		94
94)	1,2,3-Trichloropropane	7.122	110	34356	24.88	ug/L		98
95)	Cyclohexanone	7.159	55	39924	129.86	ug/L		96
96)	4-Chlorotoluene	7.220	91	240418	23.87	ug/L		99
97)	tert-Butylbenzene	7.372	91	144241	23.75	ug/L		97
99)	1,2,4-Trimethylbenzene	7.421	105	260647	23.88	ug/L		98
100)	Pentachloroethane	7.384	167	35414	24.56	ug/L		91
101)	sec-Butylbenzene	7.506	105	304502	24.26	ug/L		99
102)	4-Isopropyltoluene	7.616	119	254567	24.06	ug/L		100
103)	1,3-Dichlorobenzene	7.671	146	139050	23.90	ug/L		99
104)	1,2,3-Trimethylbenzene	7.756	105	266930	23.71	ug/L		99
105)	1,4-Dichlorobenzene	7.738	146	142328	24.26	ug/L		96
106)	n-Butylbenzene	7.933	92	142859	24.13	ug/L		85
107)	Benzyl Chloride	7.921	126	37983	22.81	ug/L	#	50
108)	1,2-Dichlorobenzene	8.043	146	130705	23.83	ug/L		96
109)	1,2-Dibromo-3-Chloropr...	8.616	75	29507	24.89	ug/L		90
110)	Hexachlorobutadiene	9.073	225	28894	25.13	ug/L		97
111)	1,2,4-Trichlorobenzene	9.085	180	80564	23.89	ug/L		96
112)	Naphthalene	9.311	128	324030	22.98	ug/L		100
113)	1,2,3-Trichlorobenzene	9.433	180	75782	24.08	ug/L		99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-14-2024\
Data File : 1O82622.D
Acq On : 14 Mar 2024 7:52 am
Operator : jeniferw
Sample : CC2972-4 Inst : MSVOA12
Misc : MS56076,V1O2976,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 14 08:08:55 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration



Manual Integration Approval Summary

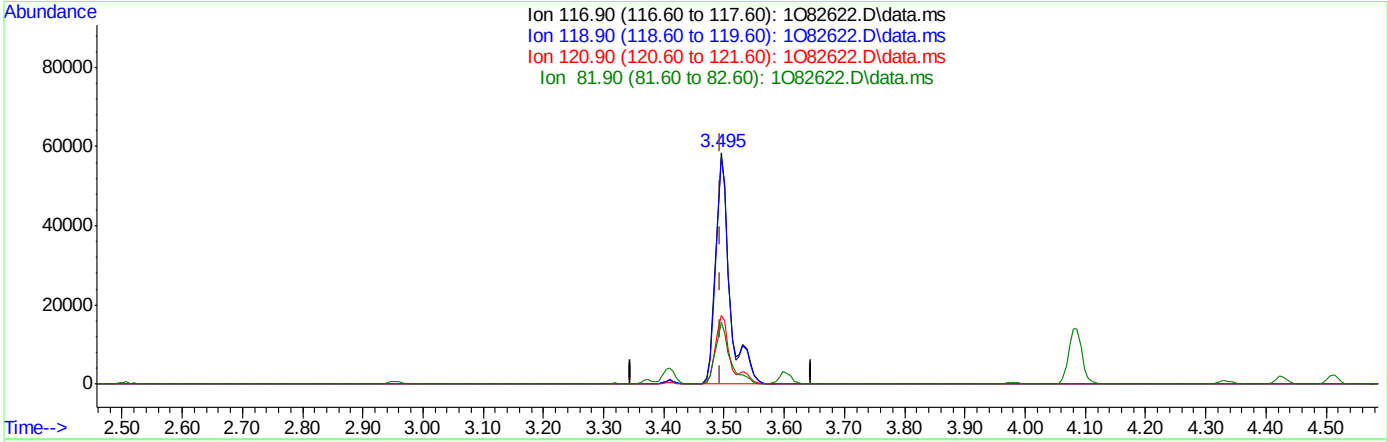
Sample Number: V1O2976-CC2972
Lab FileID: 1O82622.D
Injection Time: 03/14/24 07:52
Method: SW846 8260D
Analyst approved: 03/14/24 08:35 Jenifer Willis
Supervisor approved: 03/15/24 12:53 Karen Watson

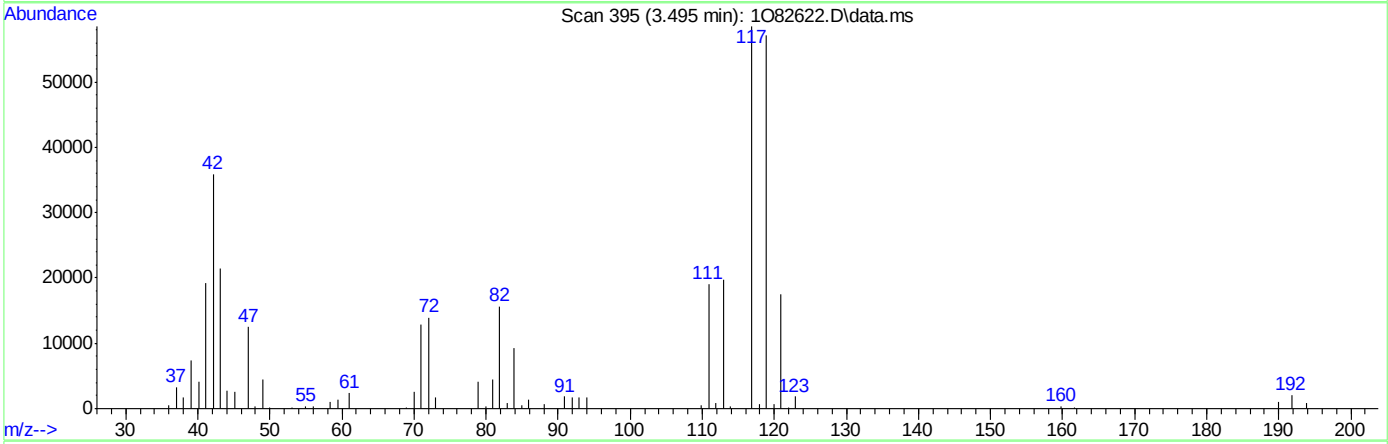
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.49	Overlapping peak
Isobutyl Alcohol	78-83-1		3.84	Overlapping peak
1-Chlorohexane	544-10-5		5.97	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-14-2024\
Data File : 1O82622.D
Acq On : 14 Mar 2024 7:52 am
Operator : jeniferw
Sample : CC2972-4 Inst : MSVOA12
Misc : MS56076,V1O2976,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 14 08:08:22 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration





TIC: 1O82622.D\data.ms

(40) Carbon Tetrachloride ( )

3.495min (+0.000) 26.92ug/L

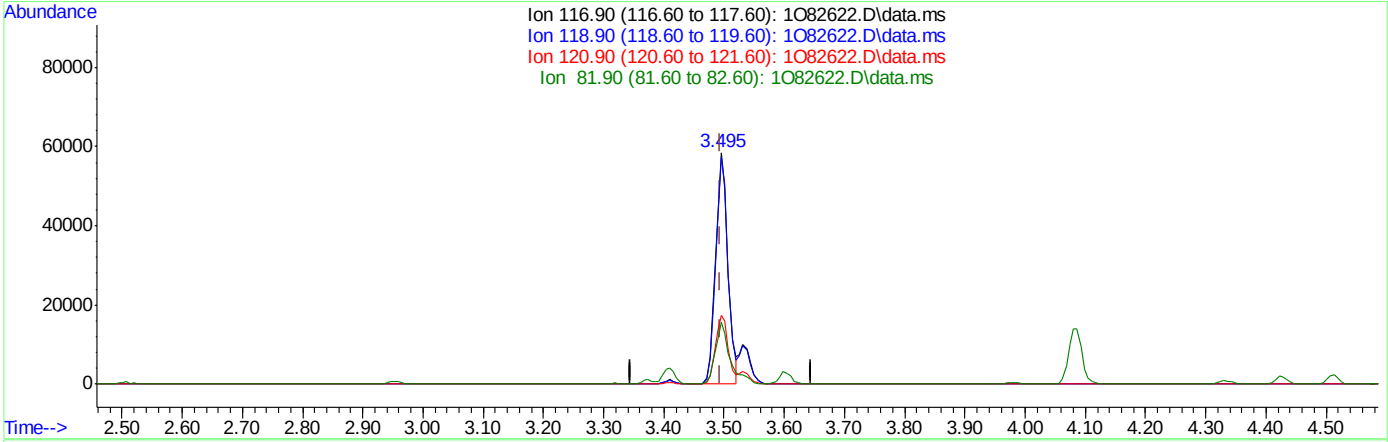
response 96364

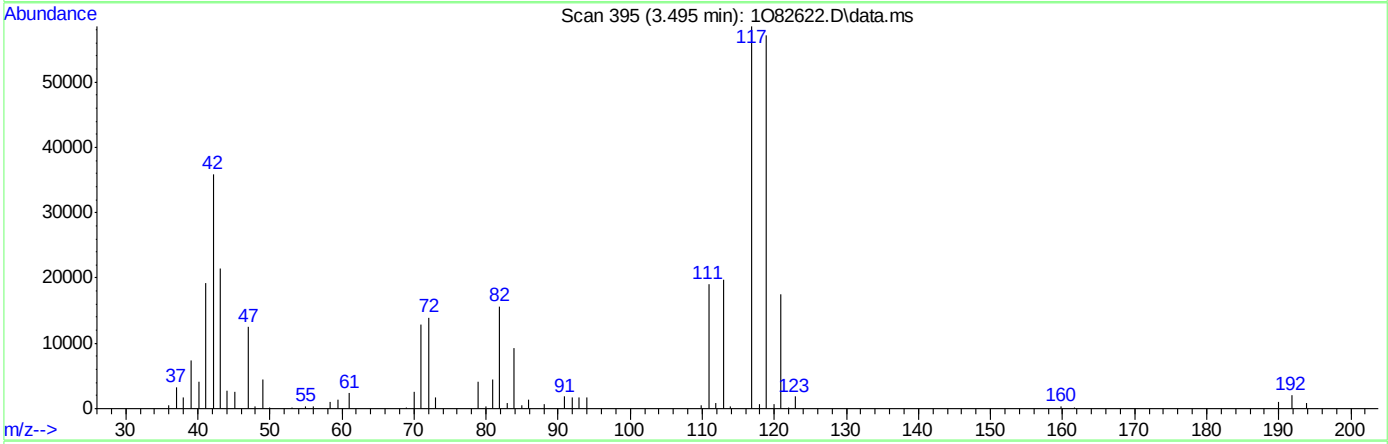
Ion	Exp%	Act%
116.90	100	100
118.90	93.10	97.77
120.90	29.70	29.85
81.90	25.40	26.82

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-14-2024\
Data File : 1O82622.D
Acq On : 14 Mar 2024 7:52 am
Operator : jeniferw
Sample : CC2972-4 Inst : MSVOA12
Misc : MS56076,V1O2976,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 14 08:08:22 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration





TIC: 1O82622.D\data.ms

(40) Carbon Tetrachloride ( )

3.495min (+0.000) 23.23ug/L m

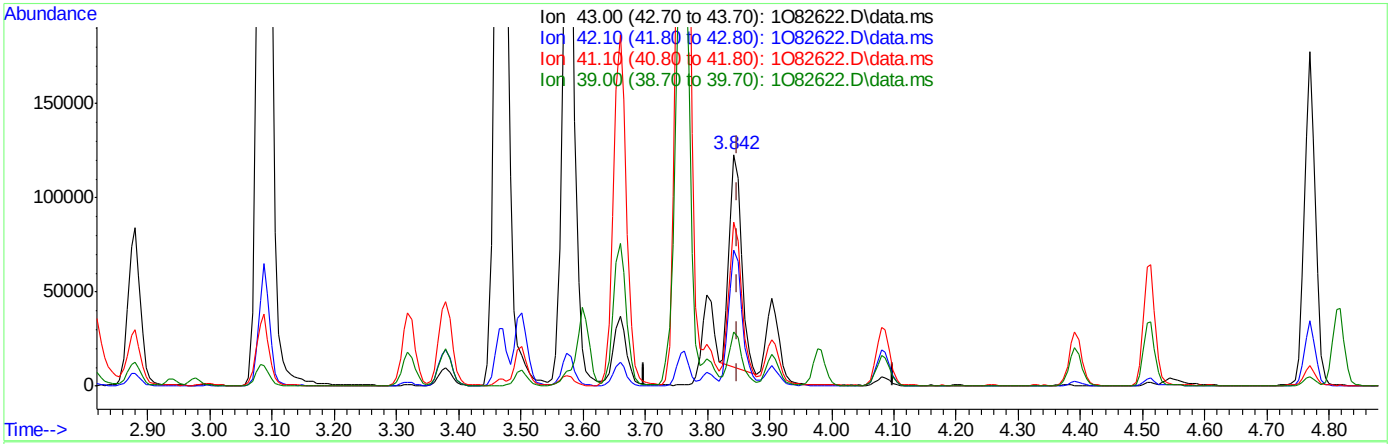
response 83156

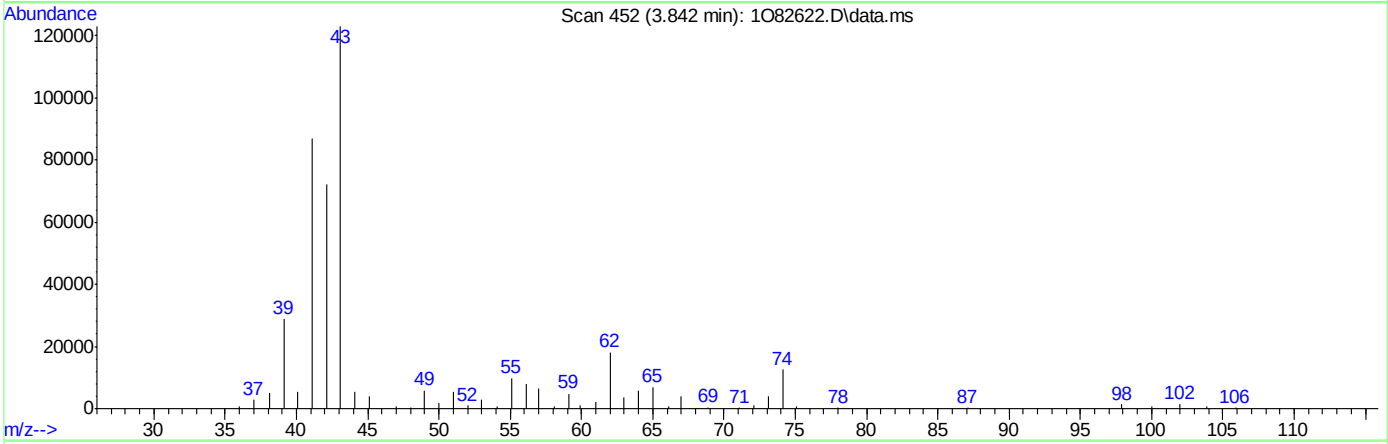
Ion	Exp%	Act%
116.90	100	100
118.90	93.10	97.77
120.90	29.70	29.85
81.90	25.40	26.82

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-14-2024\
Data File : 1O82622.D
Acq On : 14 Mar 2024 7:52 am
Operator : jeniferw
Sample : CC2972-4 Inst : MSVOA12
Misc : MS56076,V1O2976,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 14 08:08:22 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration





TIC: 1O82622.D\data.ms

(49) Isobutyl alcohol

3.842min (-0.006) 446.19ug/L

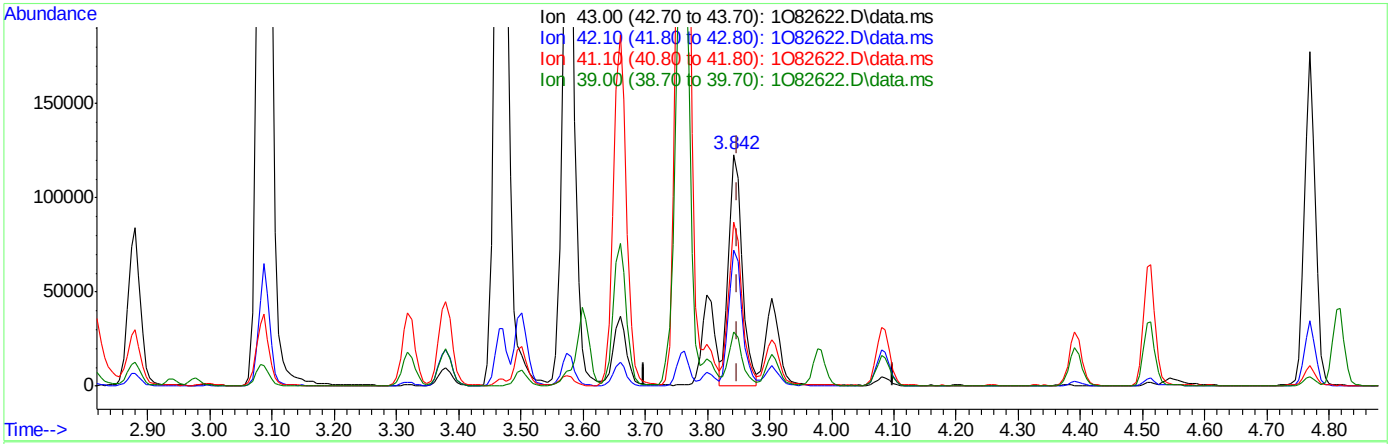
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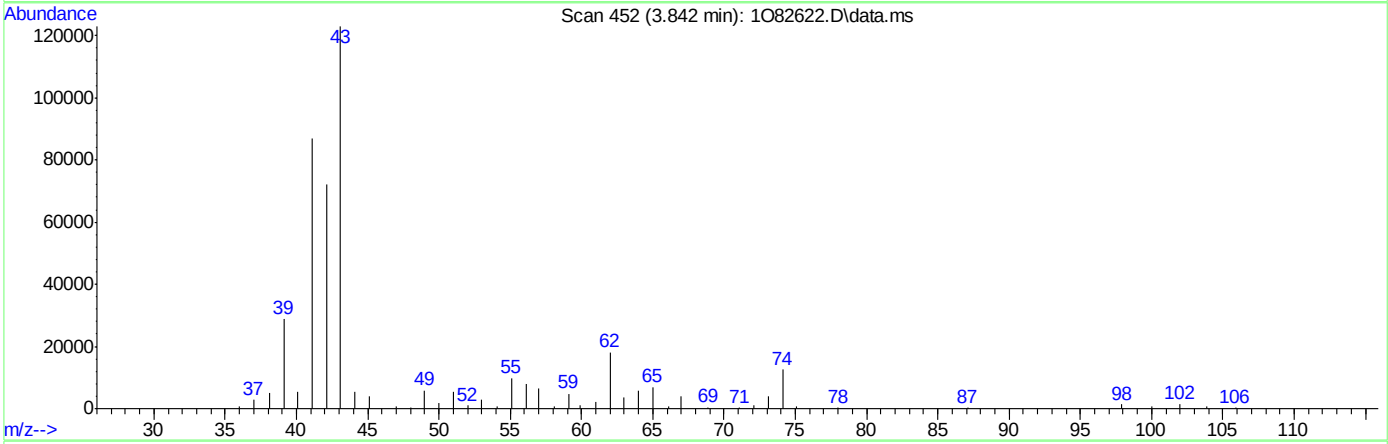
Ion	Exp%	Act%
43.00	100	100
42.10	60.00	59.58
41.10	68.80	70.27
39.00	22.50	22.99

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-14-2024\
Data File : 1O82622.D
Acq On : 14 Mar 2024 7:52 am
Operator : jeniferw
Sample : CC2972-4 Inst : MSVOA12
Misc : MS56076,V1O2976,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 14 08:08:22 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration





TIC: 1O82622.D\data.ms

(49) Isobutyl alcohol

3.842min (-0.006) 548.02ug/L m

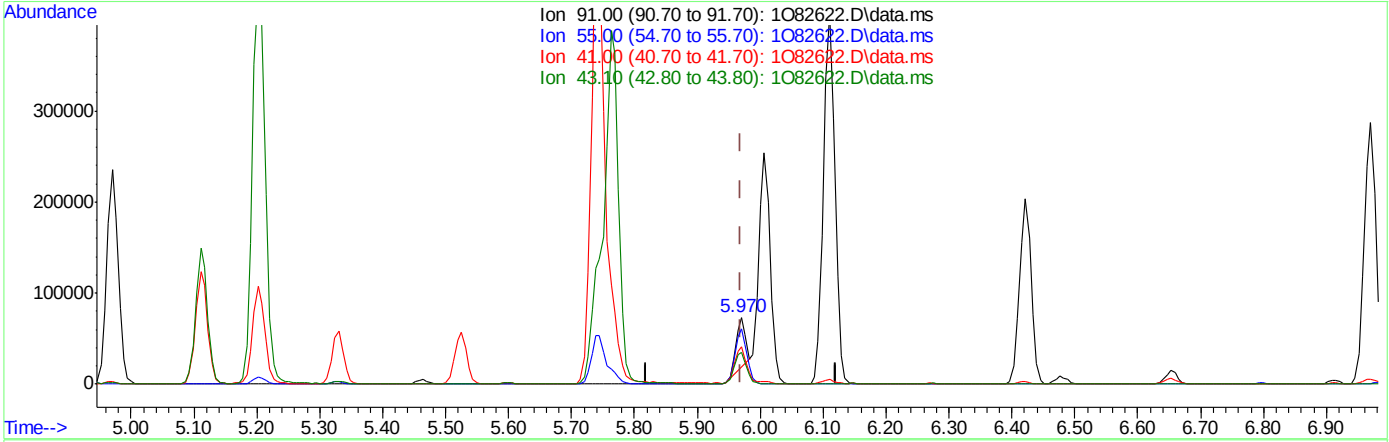
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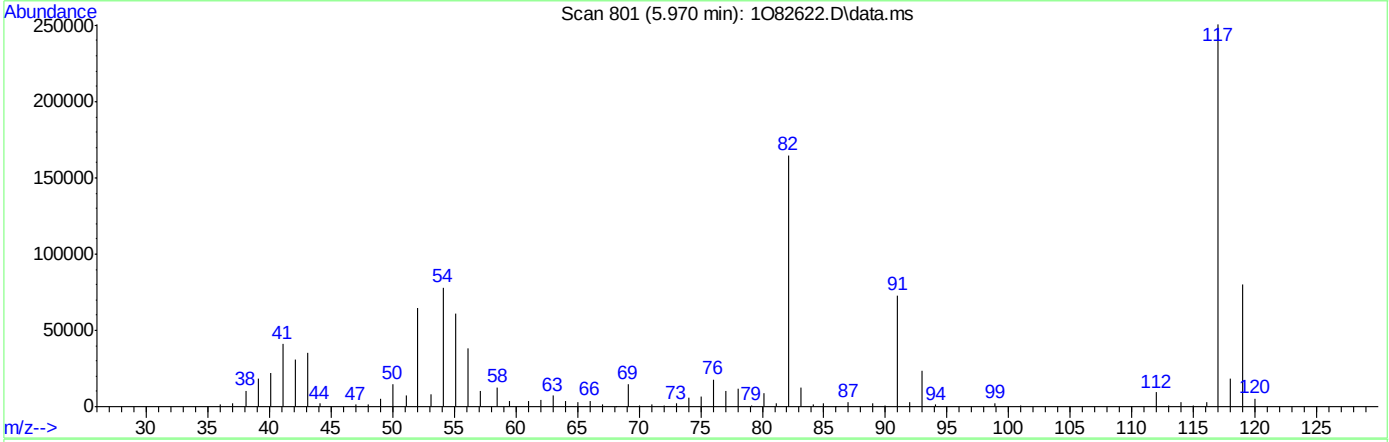
Ion	Exp%	Act%
43.00	100	100
42.10	60.00	58.66
41.10	68.80	70.67
39.00	22.50	23.43

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-14-2024\
Data File : 1O82622.D
Acq On : 14 Mar 2024 7:52 am
Operator : jeniferw
Sample : CC2972-4 Inst : MSVOA12
Misc : MS56076,V1O2976,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 14 08:08:22 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration





TIC: 1O82622.D\data.ms

(76) 1-Chlorohexane

5.970min (+0.000) 14.35ug/L

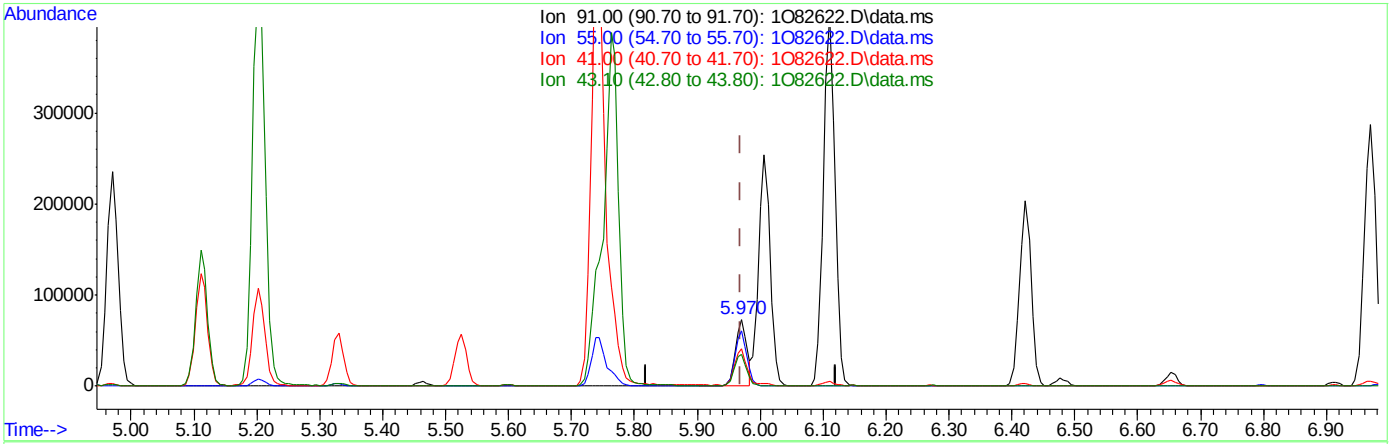
response 60194

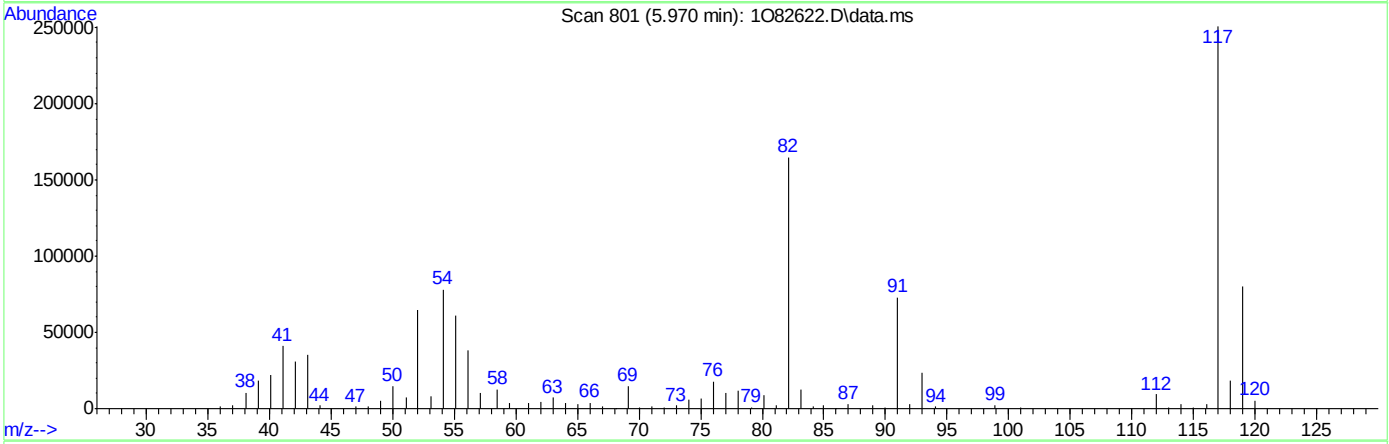
Ion	Exp%	Act%
91.00	100	100
55.00	82.50	82.76
41.00	56.60	54.66
43.10	48.60	46.97

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-14-2024\
Data File : 1O82622.D
Acq On : 14 Mar 2024 7:52 am
Operator : jeniferw
Sample : CC2972-4 Inst : MSVOA12
Misc : MS56076,V1O2976,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 14 08:08:22 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration





TIC: 1O82622.D\data.ms

(76) 1-Chlorohexane

5.970min (+0.000) 21.88ug/L m

response 91766

Ion	Exp%	Act%
91.00	100	100
55.00	82.50	83.58
41.00	56.60	56.18
43.10	48.60	47.81

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
03/15/24 12:53

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\V1O2976\
Data File : 1O82648.d
Acq On : 14 Mar 2024 6:55 pm
Operator : jeniferw
Sample : ECC2972-4 Inst : MSVOA12
Misc : MS56094,V1O2976,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Mar 15 09:46:13 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\method\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.983	96	666947	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.982	117	449417	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.726	152	240012	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.513	113	171254	50.42	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.84%			
50) 1,2-Dichloroethane-d4	3.818	65	225108	52.18	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 104.36%			
63) Toluene-d8	4.940	98	661807	50.21	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.42%			
86) 4-Bromofluorobenzene	6.872	174	168868	49.51	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.02%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.197	85	64033	27.6819	ug/L	99
3) Chloromethane	1.349	50	82945	27.8390	ug/L	97
4) 1,3-butadiene	1.422	39	71589	26.5194	ug/L	100
5) Vinyl Chloride	1.404	62	86962	27.2591	ug/L	100
6) Bromomethane	1.636	94	20572	26.0336	ug/L	97
7) Chloroethane	1.721	64	25235	36.4178	ug/L	95
8) Trichlorofluoromethane	1.818	101	88881	27.0398	ug/L	99
9) Ethyl Ether	2.032	59	71292	25.9275	ug/L	99
10) Ethanol	2.135	45	35360	526.7410	ug/L	96
11) 1,2-Dichlorotrifluoroe...	2.154	67	85062	25.8296	ug/L	99
12) 1,1-Dichloroethene	2.148	61	112768	26.0222	ug/L	95
13) Freon 113	2.178	101	61942	26.0024	ug/L	96
14) Carbon Disulfide	2.166	76	207542	23.9579	ug/L	95
15) Iodomethane	2.239	142	26116	29.0700	ug/L	96
16) Acrolein	2.355	56	123799	119.0588	ug/L	100
17) Allyl chloride	2.440	41	102155	25.4262	ug/L	98
18) Methylene Chloride	2.501	49	133188	35.5624	ug/L	92
19) Acetone	2.526	43	197613	132.1659	ug/L	97
20) Methyl acetate	2.599	43	532810	141.2499	ug/L	98
21) trans-1,2-Dichloroethene	2.599	61	114718	26.1910	ug/L	97
22) Hexane	2.648	56	61063	25.5238	ug/L	97
23) Methyl Tert Butyl Ether	2.660	73	213358	24.9260	ug/L	89
24) Tert Butyl Alcohol	2.708	59	224771	250.8595	ug/L	94
25) Acetonitrile	2.800	41	156116	277.1772	ug/L	99
26) Di-isopropyl ether	2.879	45	251716	26.8555	ug/L	97
27) Chloroprene	2.940	53	119316	26.4188	ug/L	98
28) 1,1-Dichloroethane	2.952	63	144131	25.6809	ug/L	99
29) Acrylonitrile	2.977	52	226610	134.8997	ug/L	98
30) ETBE	3.086	59	253056	25.8722	ug/L	98
31) Vinyl acetate	3.086	43	852271	127.7833	ug/L	99
32) cis-1,2-Dichloroethene	3.257	96	72765	23.9425	ug/L	91
33) 2,2-Dichloropropane	3.324	77	88045	21.9899	ug/L	98
34) Bromochloromethane	3.373	128	34965	25.3517	ug/L	93
35) Cyclohexane	3.379	56	140019	26.3752	ug/L	94
36) Chloroform	3.410	83	128766	24.6145	ug/L	98
37) Ethyl acetate	3.471	43	626682	134.2712	ug/L	99
38) Tetrahydrofuran	3.501	42	50838	27.2732	ug/L	97
40) Carbon Tetrachloride	3.495	117	74255m	22.7414	ug/L	
41) 1,1,1-Trichloroethane	3.538	97	102366	24.6960	ug/L	99
42) 2-Butanone	3.580	43	348148	129.8413	ug/L	100
43) 1,1-Dichloropropene	3.605	75	95174	25.6218	ug/L	98
44) tert-Butyl formate	3.660	59	293982	111.4608	ug/L	92

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\V1O2976\
Data File : 1O82648.d
Acq On : 14 Mar 2024 6:55 pm
Operator : jeniferw
Sample : ECC2972-4 Inst : MSVOA12
Misc : MS56094,V1O2976,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Mar 15 09:46:13 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\method\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Propionitrile	3.751	54	231769	259.4492	ug/L		96
46) Methacrylonitrile	3.763	41	703237	270.6623	ug/L		99
47) Benzene	3.745	78	278664	25.1110	ug/L		96
48) TAME	3.806	73	202105	24.4487	ug/L		97
49) Isobutyl alcohol	3.842	43	142736m	455.1394	ug/L		
51) 1,2-Dichloroethane	3.861	62	109477	26.1706	ug/L		98
52) Tert Amyl Alcohol	3.903	59	177985	237.7096	ug/L		93
53) Trichloroethene	4.086	95	71526	23.6897	ug/L		98
54) Methylcyclohexane	4.086	83	105949	24.8575	ug/L		93
55) Dibromomethane	4.336	93	46617	24.6812	ug/L		97
56) 1,2-Dichloropropane	4.397	63	81350	25.6327	ug/L		97
57) Bromodichloromethane	4.428	83	88801	23.4042	ug/L		98
58) Methyl methacrylate	4.513	41	83799	25.9277	ug/L		95
59) 1,4-Dioxane	4.550	88	30356	531.4819	ug/L		97
60) 2-Chloroethyl vinyl ether	4.769	63	338520	127.0760	ug/L		98
61) cis-1,3-Dichloropropene	4.818	75	109061	23.5713	ug/L		98
64) Toluene	4.970	91	284762	24.7654	ug/L		97
65) 2-Nitropropane	5.117	41	138579	119.7484	ug/L		98
66) 4-Methyl-2-pentanone	5.208	43	613631	134.0069	ug/L		99
67) trans-1,3-Dichloropropene	5.232	75	102479	23.8343	ug/L		96
68) Tetrachloroethene	5.226	166	62932	25.3161	ug/L		98
69) Ethyl methacrylate	5.330	69	100731	23.9315	ug/L		94
70) 1,1,2-Trichloroethane	5.342	83	60614	24.4764	ug/L		96
71) Dibromochloromethane	5.464	129	58529	22.5561	ug/L		99
72) 1,3-Dichloropropane	5.525	76	116603	25.1986	ug/L		97
73) 1,2-Dibromoethane	5.629	107	70607	24.7718	ug/L		94
74) 3,3-dimethyl-1-butanol	5.744	57	1103133	1264.8681	ug/L		97
75) 2-hexanone	5.769	43	636696	131.6797	ug/L		99
76) 1-Chlorohexane	5.970	91	87324m	22.9350	ug/L		
77) Ethylbenzene	6.007	91	308750	24.7125	ug/L		96
78) Chlorobenzene	5.994	112	180163	24.7642	ug/L		98
79) 1,1,1,2-Tetrachloroethane	6.037	131	56262	22.9762	ug/L		100
80) m,p-Xylene	6.110	91	489191	49.2276	ug/L		100
81) o-Xylene	6.427	91	250959	24.1978	ug/L		98
82) Styrene	6.464	104	191519	24.3918	ug/L		98
83) Bromoform	6.482	173	33553	21.5241	ug/L		99
84) Isopropylbenzene	6.659	105	285657	24.6187	ug/L		100
87) cis-1,4-Dichloro-2-butene	6.915	53	34535	22.6101	ug/L		87
88) n-Propylbenzene	6.970	91	350418	24.5034	ug/L		99
89) Bromobenzene	6.952	156	66626	24.9259	ug/L		96
90) 1,1,2,2-Tetrachloroethane	7.019	83	113683	25.2156	ug/L		98
91) 1,3,5-Trimethylbenzene	7.122	105	246089	24.5734	ug/L		100
92) 2-Chlorotoluene	7.092	91	238019	24.3377	ug/L		99
93) trans-1,4-Dichloro-2-B...	7.159	53	29575	23.7890	ug/L		84
94) 1,2,3-Trichloropropane	7.128	110	32281	25.4248	ug/L		98
95) Cyclohexanone	7.159	55	35230	124.6149	ug/L		97
96) 4-Chlorotoluene	7.220	91	226762	24.4863	ug/L		99
97) tert-Butylbenzene	7.372	91	137209	24.5725	ug/L		99
99) 1,2,4-Trimethylbenzene	7.427	105	246133	24.5184	ug/L		99
100) Pentachloroethane	7.390	167	27948	21.0791	ug/L	#	81
101) sec-Butylbenzene	7.512	105	282488	24.4752	ug/L		100
102) 4-Isopropyltoluene	7.622	119	237026	24.3608	ug/L		99
103) 1,3-Dichlorobenzene	7.671	146	132022	24.6730	ug/L		97
104) 1,2,3-Trimethylbenzene	7.756	105	253625	24.5024	ug/L		99
105) 1,4-Dichlorobenzene	7.738	146	134114	24.8605	ug/L		98
106) n-Butylbenzene	7.933	92	130143	23.9089	ug/L		96
107) Benzyl Chloride	7.921	126	26423	17.3442	ug/L	#	76
108) 1,2-Dichlorobenzene	8.049	146	123406	24.4707	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\V1O2976\
Data File : 1O82648.d
Acq On : 14 Mar 2024 6:55 pm
Operator : jeniferw
Sample : ECC2972-4 Inst : MSVOA12
Misc : MS56094,V1O2976,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Mar 15 09:46:13 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\method\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration

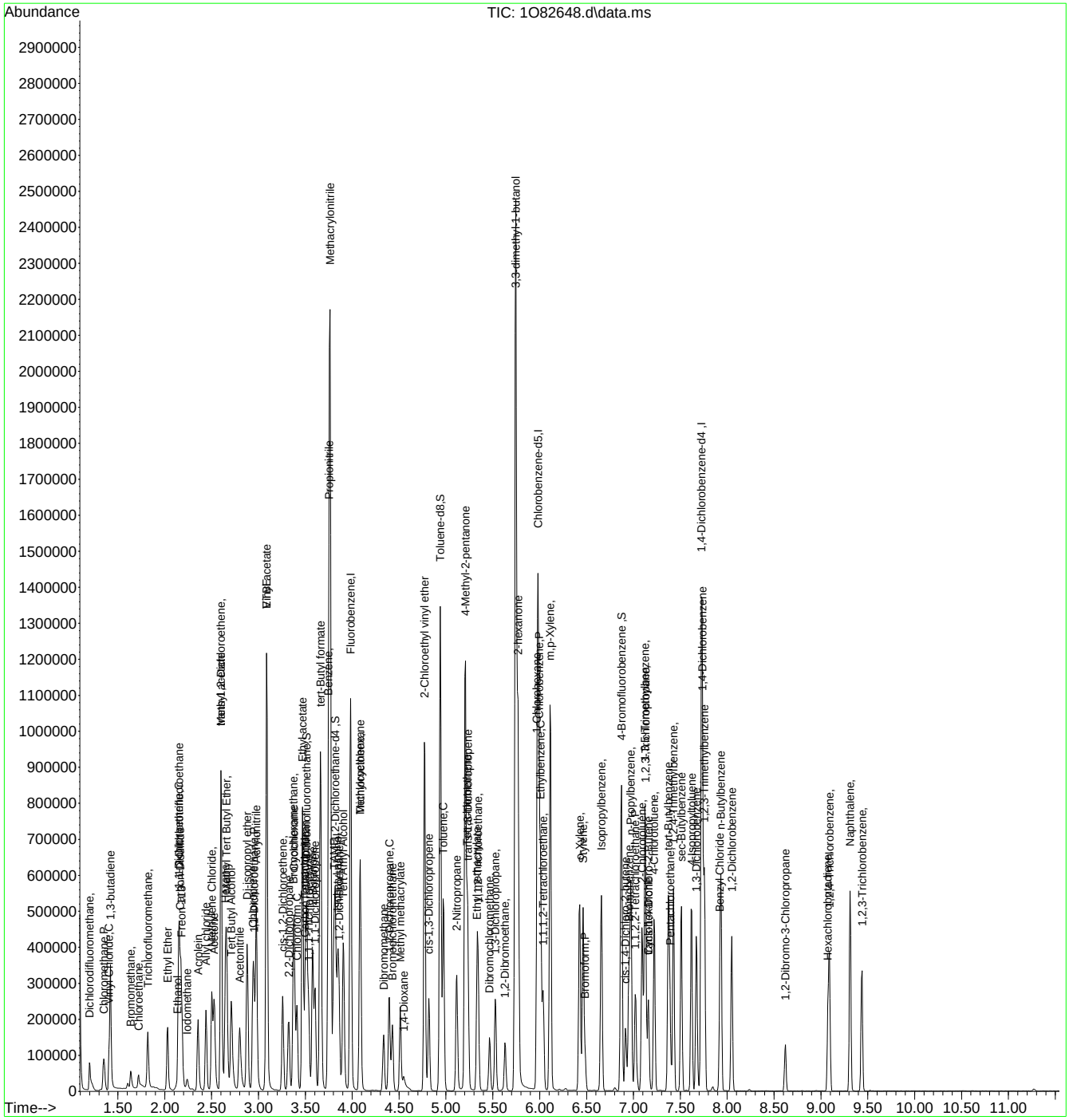
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
109) 1,2-Dibromo-3-Chloropr...	8.622	75	24978	22.9134	ug/L	90
110) Hexachlorobutadiene	9.073	225	26159	24.7391	ug/L	91
111) 1,2,4-Trichlorobenzene	9.091	180	75098	24.2136	ug/L	97
112) Naphthalene	9.311	128	300598	23.1799	ug/L	99
113) 1,2,3-Trichlorobenzene	9.439	180	70639	24.4055	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\V1O2976\
Data File : 1O82648.d
Acq On : 14 Mar 2024 6:55 pm
Operator : jeniferw
Sample : ECC2972-4 Inst : MSVOA12
Misc : MS56094,V1O2976,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Mar 15 09:46:13 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\method\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration



Manual Integration Approval Summary

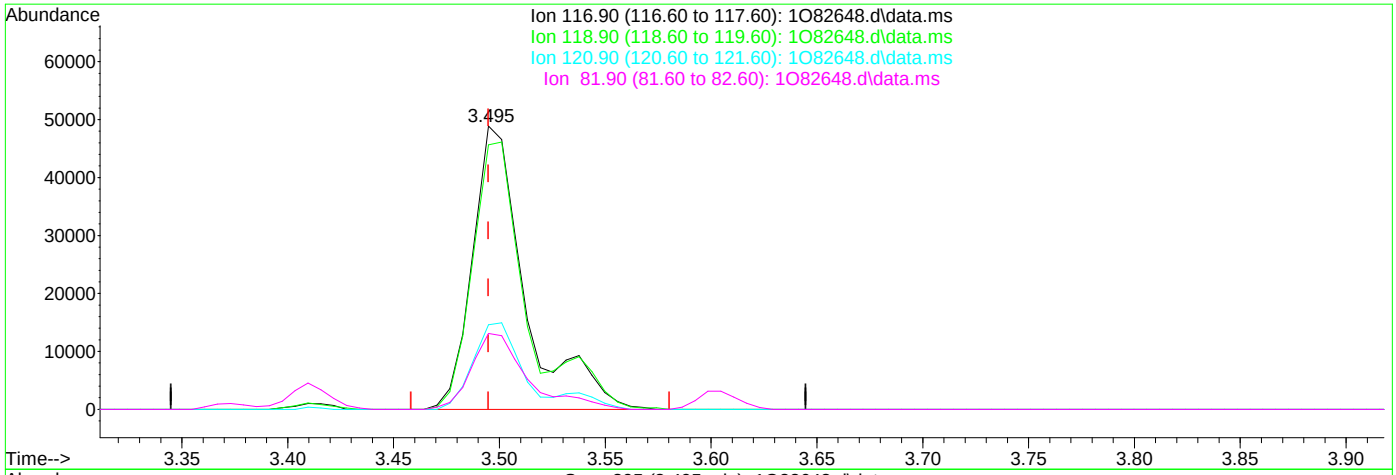
Sample Number: V1O2976-ECC2972 **Method:** SW846 8260D
Lab FileID: 1O82648.D **Analyst approved:** 03/15/24 05:49 Lotus Acosta
Injection Time: 03/14/24 18:55 **Supervisor approved:** 03/15/24 12:53 Karen Watson

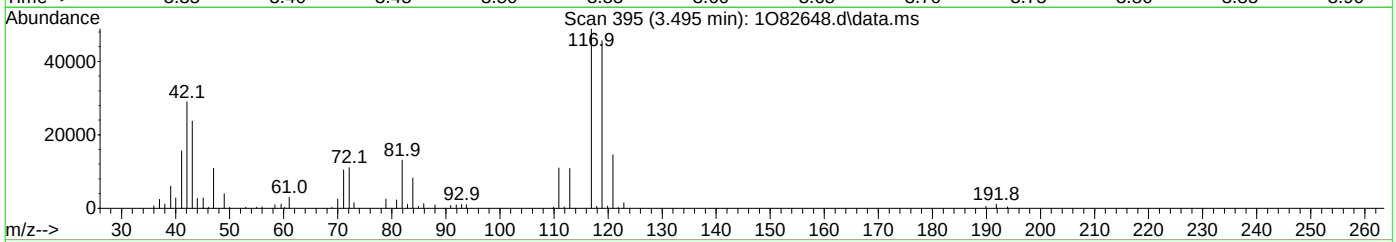
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.49	Overlapping peak
Isobutyl Alcohol	78-83-1		3.84	Overlapping peak
1-Chlorohexane	544-10-5		5.97	Overlapping peak

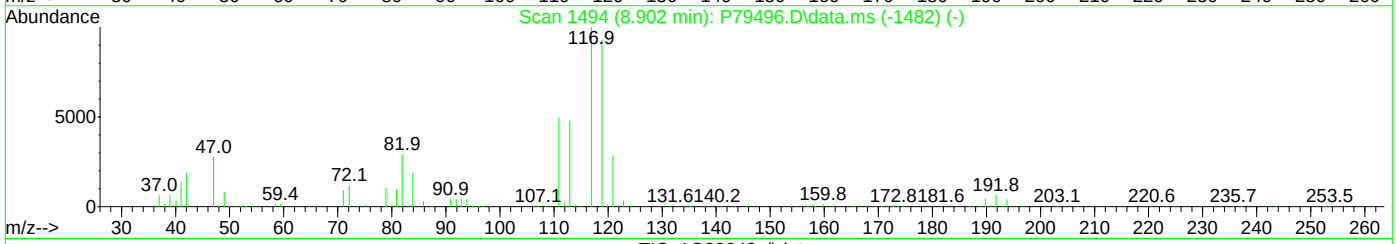
Quantitation Report (Qedit)

Data Path : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\V1O2976\
Data File : 1O82648.d
Acq On : 14 Mar 2024 6:55 pm
Operator : jeniferw
Sample : ECC2972-4 Inst : MSVOA12
Misc : MS56094,V1O2976,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Mar 15 08:31:56 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\method\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration







TIC: 1O82648.d\data.ms

(40) Carbon Tetrachloride ( )

3.495min (+0.000) 25.96ug/L

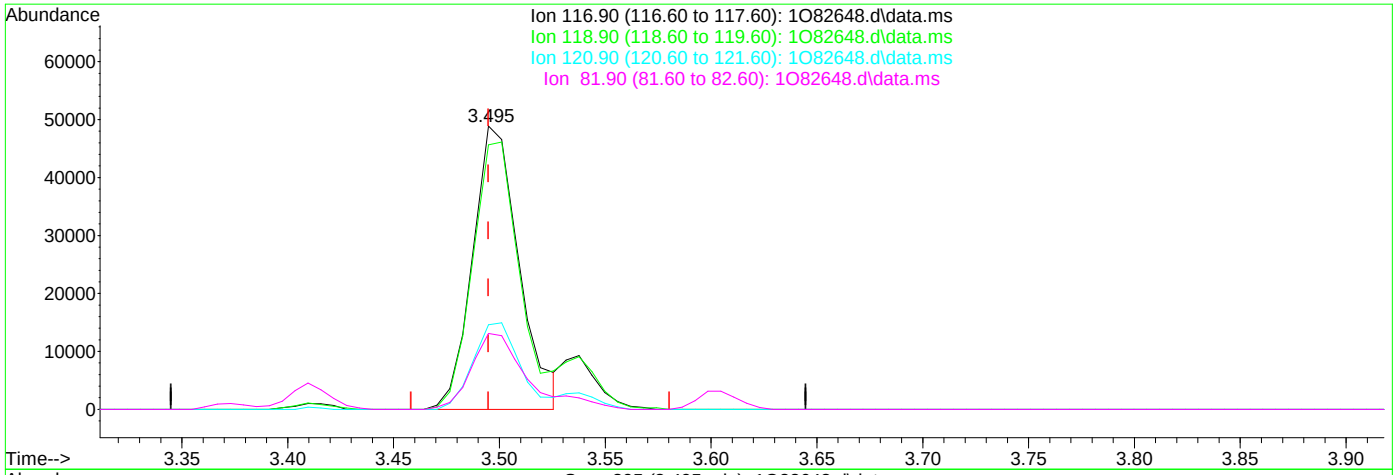
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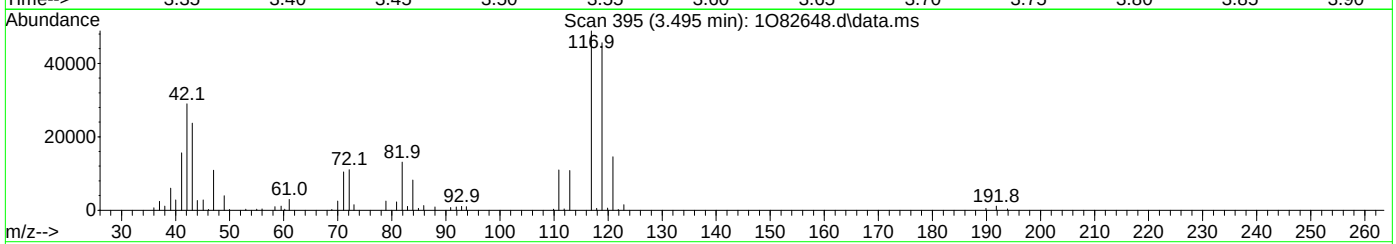
Ion	Exp%	Act%
116.90	100	100
118.90	93.10	93.40
120.90	29.70	29.84
81.90	25.40	26.78

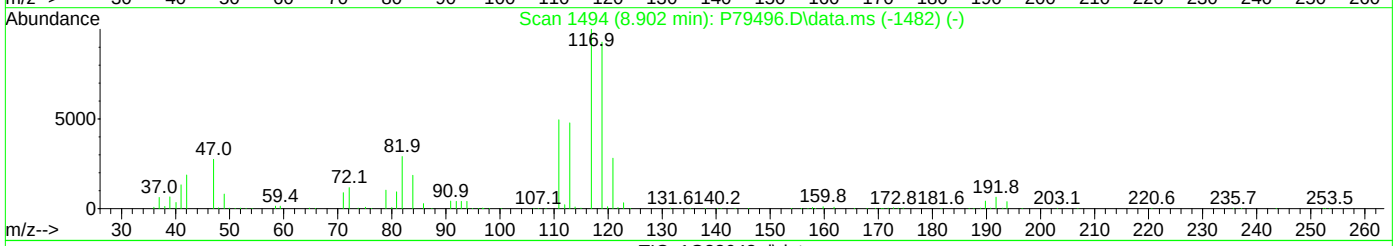
Quantitation Report (Qedit)

Data Path : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\V1O2976\
Data File : 1O82648.d
Acq On : 14 Mar 2024 6:55 pm
Operator : jeniferw
Sample : ECC2972-4 Inst : MSVOA12
Misc : MS56094,V1O2976,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Mar 15 08:31:56 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\method\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration







TIC: 1O82648.d\data.ms

(40) Carbon Tetrachloride ( )

3.495min (+0.000) 22.74ug/L m

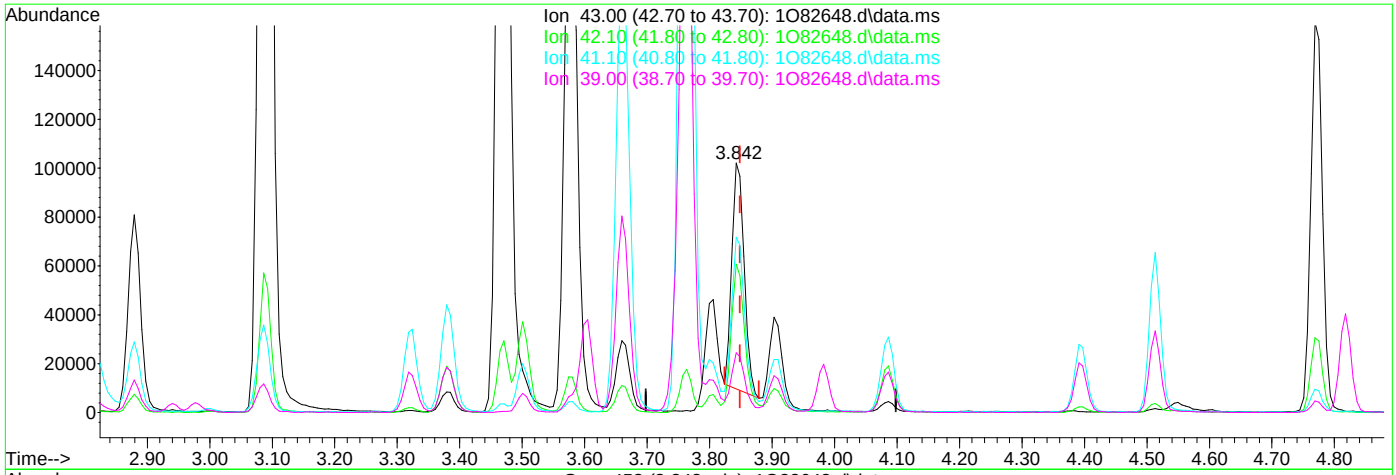
response 74255

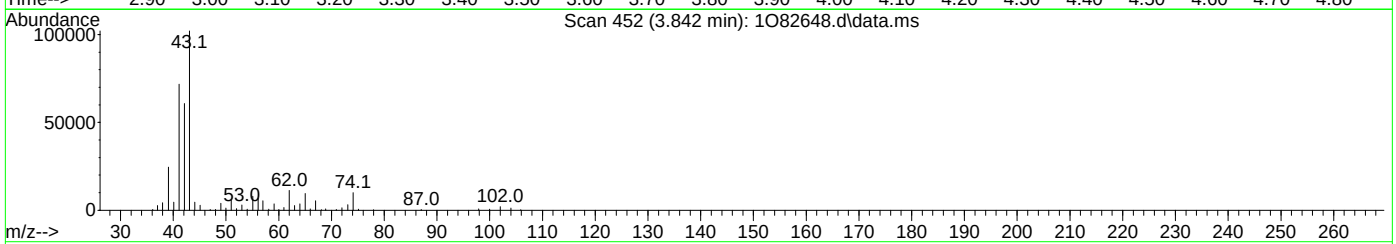
Ion	Exp%	Act%
116.90	100	100
118.90	93.10	93.40
120.90	29.70	29.84
81.90	25.40	26.78

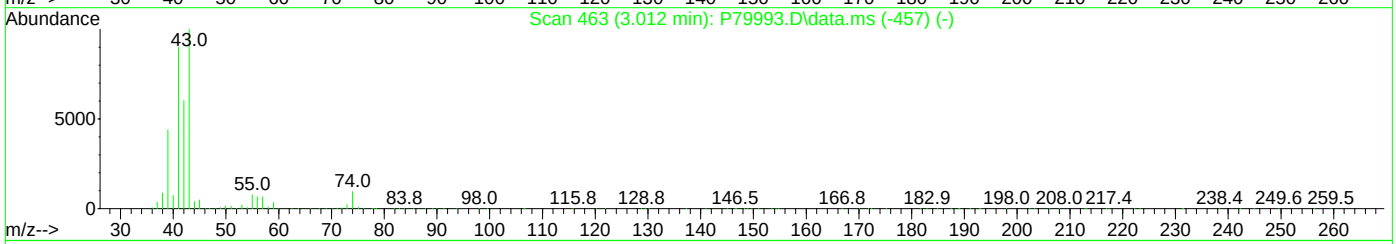
Quantitation Report (Qedit)

Data Path : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\V1O2976\
Data File : 1O82648.d
Acq On : 14 Mar 2024 6:55 pm
Operator : jeniferw
Sample : ECC2972-4 Inst : MSVOA12
Misc : MS56094,V1O2976,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Mar 15 08:31:56 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\method\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration







TIC: 1O82648.d\data.ms

(49) Isobutyl alcohol

3.842min (-0.006) 401.20ug/L

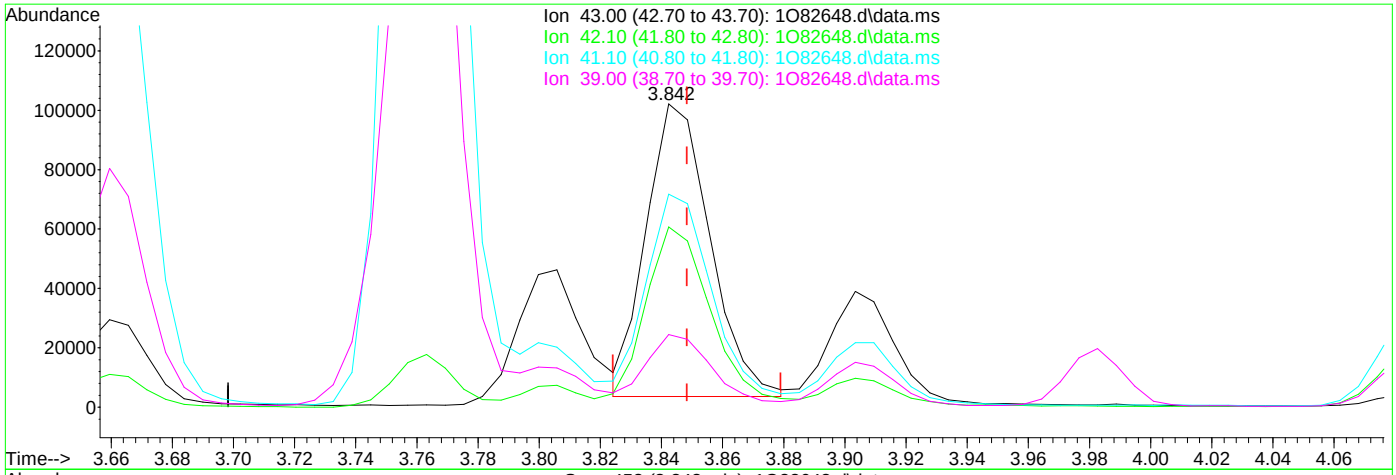
response 125819

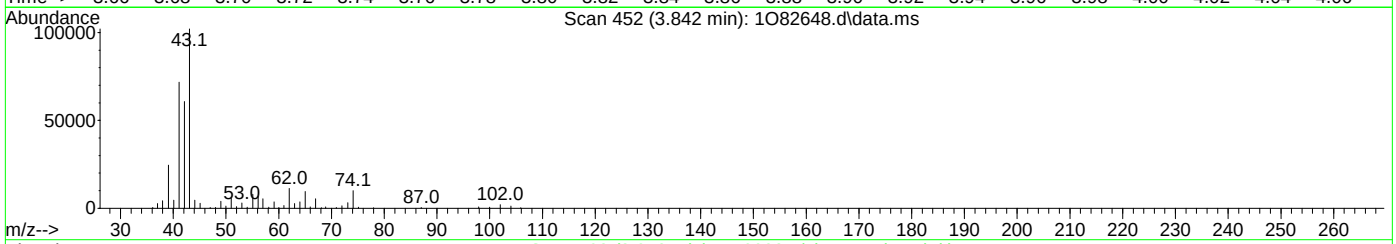
Ion	Exp%	Act%
43.00	100	100
42.10	60.00	59.89
41.10	68.80	69.80
39.00	22.50	23.39

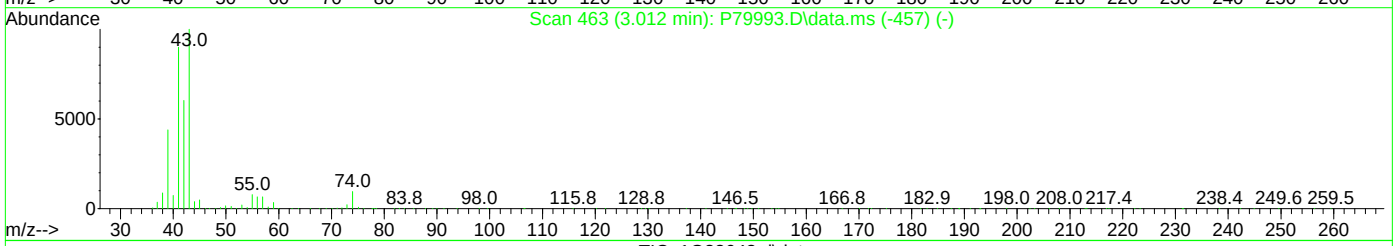
Quantitation Report (Qedit)

Data Path : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\V1O2976\
Data File : 1O82648.d
Acq On : 14 Mar 2024 6:55 pm
Operator : jeniferw
Sample : ECC2972-4 Inst : MSVOA12
Misc : MS56094,V1O2976,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Mar 15 08:31:56 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\method\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration







TIC: 1O82648.d\data.ms

(49) Isobutyl alcohol

3.842min (-0.006) 455.14ug/L m

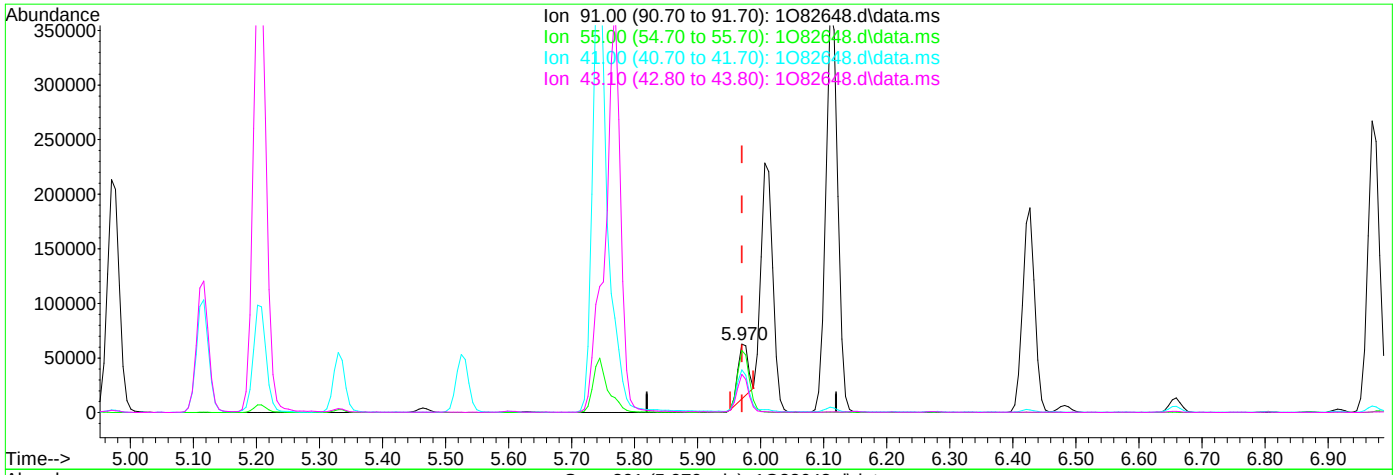
response 142736

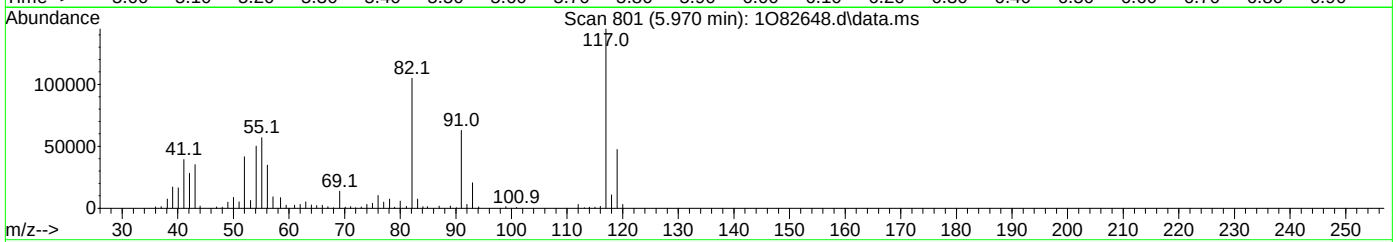
Ion	Exp%	Act%
43.00	100	100
42.10	60.00	59.40
41.10	68.80	70.24
39.00	22.50	23.97

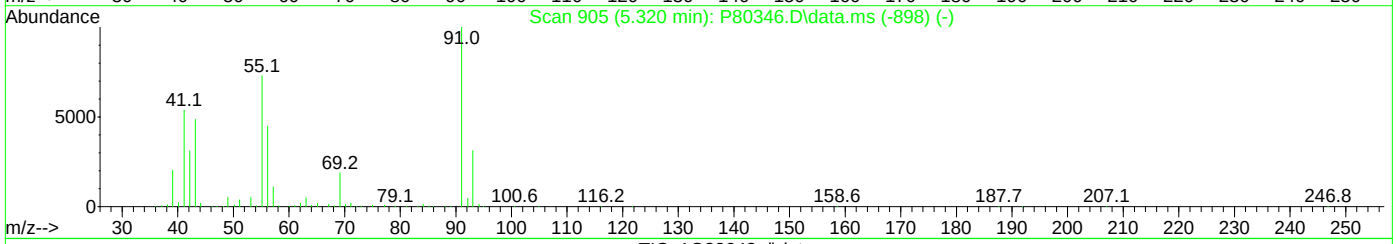
Quantitation Report (Qedit)

Data Path : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\V1O2976\
Data File : 1O82648.d
Acq On : 14 Mar 2024 6:55 pm
Operator : jeniferw
Sample : ECC2972-4 Inst : MSVOA12
Misc : MS56094,V1O2976,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Mar 15 08:31:56 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\method\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration







TIC: 1O82648.d\data.ms

(76) 1-Chlorohexane

5.970min (+0.000) 15.72ug/L

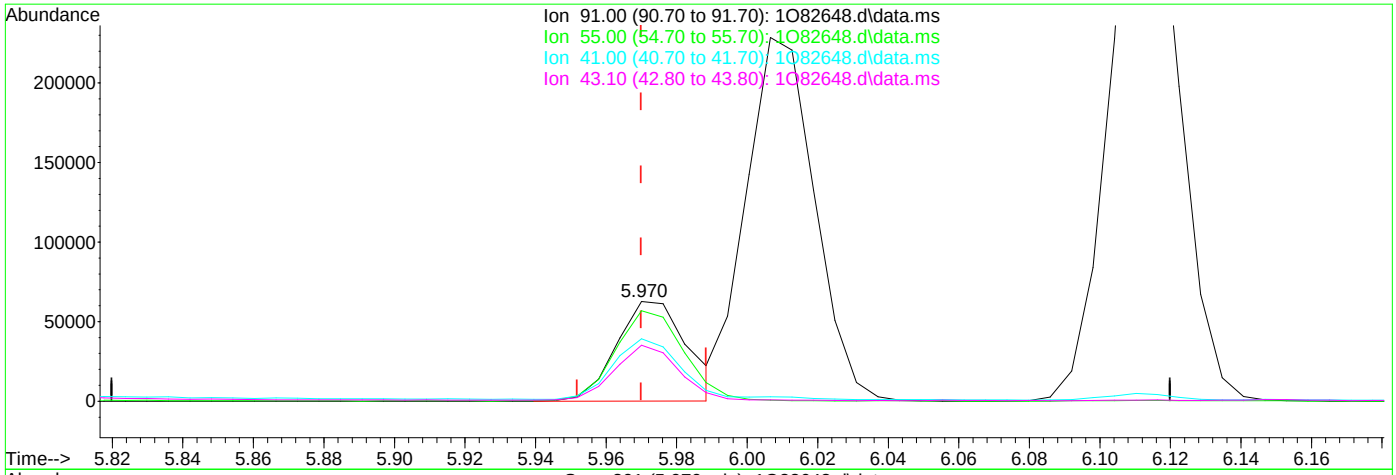
response 59839

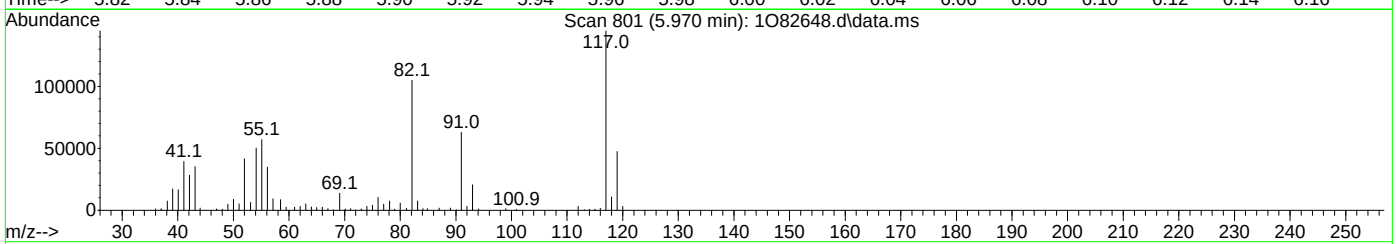
Ion	Exp%	Act%
91.00	100	100
55.00	82.50	89.48
41.00	56.60	59.81
43.10	48.60	54.68

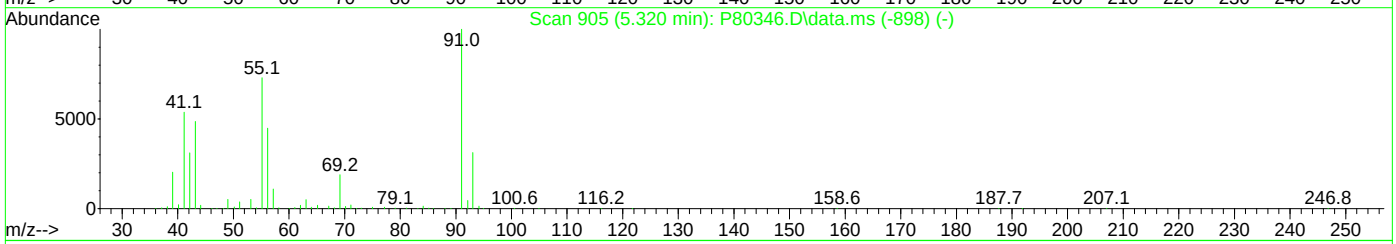
Quantitation Report (Qedit)

Data Path : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\V1O2976\
Data File : 1O82648.d
Acq On : 14 Mar 2024 6:55 pm
Operator : jeniferw
Sample : ECC2972-4 Inst : MSVOA12
Misc : MS56094,V1O2976,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Mar 15 08:31:56 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\Mar-2024\3-15\V1O2976\method\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration







TIC: 1O82648.d\data.ms

(76) 1-Chlorohexane

5.970min (+0.000) 22.94ug/L m

response 87324

Ion	Exp%	Act%
91.00	100	100
55.00	82.50	90.69
41.00	56.60	62.50
43.10	48.60	56.03

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
03/18/24 08:12

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-15-2024\
Data File : 1O82650.D
Acq On : 15 Mar 2024 7:51 am
Operator : jeniferw
Sample : CC2972-4 Inst : MSVOA12
Misc : MS56094,V1O2977,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 15 08:15:55 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.982	96	683657	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.982	117	467738	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.726	152	242844	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.513	113	178119	51.16	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.32%			
50) 1,2-Dichloroethane-d4	3.818	65	230184	52.05	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 104.10%			
63) Toluene-d8	4.940	98	687503	50.12	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.24%			
86) 4-Bromofluorobenzene	6.872	174	176145	51.04	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.08%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.203	85	66372	27.99	ug/L	99
3) Chloromethane	1.355	50	83163	27.23	ug/L	99
4) 1,3-butadiene	1.422	39	69925	25.27	ug/L	97
5) Vinyl Chloride	1.410	62	87044	26.62	ug/L	100
6) Bromomethane	1.641	94	20973	25.89	ug/L	99
7) Chloroethane	1.721	64	24557	34.24	ug/L	95
8) Trichlorofluoromethane	1.824	101	90789	26.95	ug/L	98
9) Ethyl Ether	2.032	59	71100	25.23	ug/L	98
10) Ethanol	2.135	45	32161	467.38	ug/L	97
11) 1,2-Dichlorotrifluoroe...	2.154	67	86069	25.50	ug/L	98
12) 1,1-Dichloroethene	2.154	61	113139	25.47	ug/L	98
13) Freon 113	2.184	101	63881	26.16	ug/L	98
14) Carbon Disulfide	2.172	76	216192	24.35	ug/L	98
15) Iodomethane	2.239	142	20720	23.95	ug/L	97
16) Acrolein	2.355	56	134037	125.75	ug/L	99
17) Allyl chloride	2.440	41	105216	25.55	ug/L	96
18) Methylene Chloride	2.507	49	120561	31.40	ug/L	96
19) Acetone	2.532	43	220559	143.91	ug/L	98
20) Methyl acetate	2.605	43	508644	131.55	ug/L	99
21) trans-1,2-Dichloroethene	2.599	61	114364	25.47	ug/L	95
22) Hexane	2.653	56	66720	27.21	ug/L	94
23) Methyl Tert Butyl Ether	2.666	73	212166	24.18	ug/L	94
24) Tert Butyl Alcohol	2.714	59	220222	239.78	ug/L	94
25) Acetonitrile	2.800	41	161253	279.30	ug/L	99
26) Di-isopropyl ether	2.879	45	252130	26.24	ug/L	96
27) Chloroprene	2.940	53	117677	25.42	ug/L	97
28) 1,1-Dichloroethane	2.952	63	142348	24.74	ug/L	100
29) Acrylonitrile	2.977	52	233871	135.82	ug/L	100
30) ETBE	3.086	59	252734	25.21	ug/L	98
31) Vinyl acetate	3.092	43	912576	133.48	ug/L	99
32) cis-1,2-Dichloroethene	3.257	96	73156	23.48	ug/L	90
33) 2,2-Dichloropropane	3.324	77	96473	23.51	ug/L	99
34) Bromochloromethane	3.373	128	34192	24.19	ug/L	92
35) Cyclohexane	3.379	56	141600	26.02	ug/L #	90

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-15-2024\
Data File : 1O82650.D
Acq On : 15 Mar 2024 7:51 am
Operator : jeniferw
Sample : CC2972-4 Inst : MSVOA12
Misc : MS56094,V1O2977,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 15 08:15:55 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Chloroform	3.409	83	130072	24.26	ug/L	98
37) Ethyl acetate	3.470	43	645829	134.99	ug/L	98
38) Tetrahydrofuran	3.501	42	53105	27.79	ug/L	96
40) Carbon Tetrachloride	3.501	117	77418	23.13	ug/L	98
41) 1,1,1-Trichloroethane	3.537	97	102822	24.20	ug/L	96
42) 2-Butanone	3.580	43	369874	134.57	ug/L	99
43) 1,1-Dichloropropene	3.605	75	95196	25.00	ug/L	98
44) tert-Butyl formate	3.659	59	313051	115.79	ug/L	94
45) Propionitrile	3.751	54	241837	264.10	ug/L	94
46) Methacrylonitrile	3.763	41	710986	266.96	ug/L	99
47) Benzene	3.745	78	279943	24.61	ug/L	98
48) TAME	3.806	73	203838	24.06	ug/L	98
49) Isobutyl alcohol	3.848	43	157343m	489.45	ug/L	
51) 1,2-Dichloroethane	3.861	62	109174	25.46	ug/L	99
52) Tert Amyl Alcohol	3.903	59	186156	242.55	ug/L	94
53) Trichloroethene	4.086	95	75134	24.28	ug/L	99
54) Methylcyclohexane	4.086	83	111530	25.53	ug/L	98
55) Dibromomethane	4.336	93	46405	23.97	ug/L	96
56) 1,2-Dichloropropane	4.397	63	81591	25.08	ug/L	96
57) Bromodichloromethane	4.428	83	90468	23.26	ug/L	99
58) Methyl methacrylate	4.513	41	84279	25.44	ug/L	96
59) 1,4-Dioxane	4.549	88	28076	479.55	ug/L	95
60) 2-Chloroethyl vinyl ether	4.769	63	347507	127.26	ug/L	99
61) cis-1,3-Dichloropropene	4.818	75	112916	23.81	ug/L	98
64) Toluene	4.970	91	283580	23.70	ug/L	100
65) 2-Nitropropane	5.116	41	145559	120.85	ug/L	100
66) 4-Methyl-2-pentanone	5.202	43	626805	131.52	ug/L	98
67) trans-1,3-Dichloropropene	5.232	75	105426	23.56	ug/L	98
68) Tetrachloroethene	5.226	166	62449	24.14	ug/L	99
69) Ethyl methacrylate	5.330	69	102494	23.40	ug/L	96
70) 1,1,2-Trichloroethane	5.342	83	60931	23.64	ug/L	96
71) Dibromochloromethane	5.464	129	61372	22.73	ug/L	98
72) 1,3-Dichloropropane	5.525	76	118464	24.60	ug/L	98
73) 1,2-Dibromoethane	5.629	107	72074	24.30	ug/L	94
74) 3,3-dimethyl-1-butanol	5.744	57	1131257	1246.31	ug/L	98
75) 2-hexanone	5.769	43	659956	131.14	ug/L	97
76) 1-Chlorohexane	5.970	91	95044m	23.98	ug/L	
77) Ethylbenzene	6.006	91	310366	23.87	ug/L	97
78) Chlorobenzene	5.994	112	180084	23.78	ug/L	97
79) 1,1,1,2-Tetrachloroethane	6.037	131	56667	22.24	ug/L	97
80) m,p-Xylene	6.110	91	496169	47.97	ug/L	100
81) o-Xylene	6.421	91	255591	23.68	ug/L	98
82) Styrene	6.464	104	193471	23.68	ug/L	98
83) Bromoform	6.482	173	35239	21.72	ug/L	99
84) Isopropylbenzene	6.659	105	289248	23.95	ug/L	99
87) cis-1,4-Dichloro-2-butene	6.915	53	39525	25.58	ug/L	91
88) n-Propylbenzene	6.970	91	358047	24.74	ug/L	98
89) Bromobenzene	6.951	156	66674	24.65	ug/L	98
90) 1,1,2,2-Tetrachloroethane	7.018	83	115409	25.30	ug/L	98
91) 1,3,5-Trimethylbenzene	7.122	105	248750	24.55	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-15-2024\
Data File : 1O82650.D
Acq On : 15 Mar 2024 7:51 am
Operator : jeniferw
Sample : CC2972-4 Inst : MSVOA12
Misc : MS56094,V1O2977,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 15 08:15:55 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration

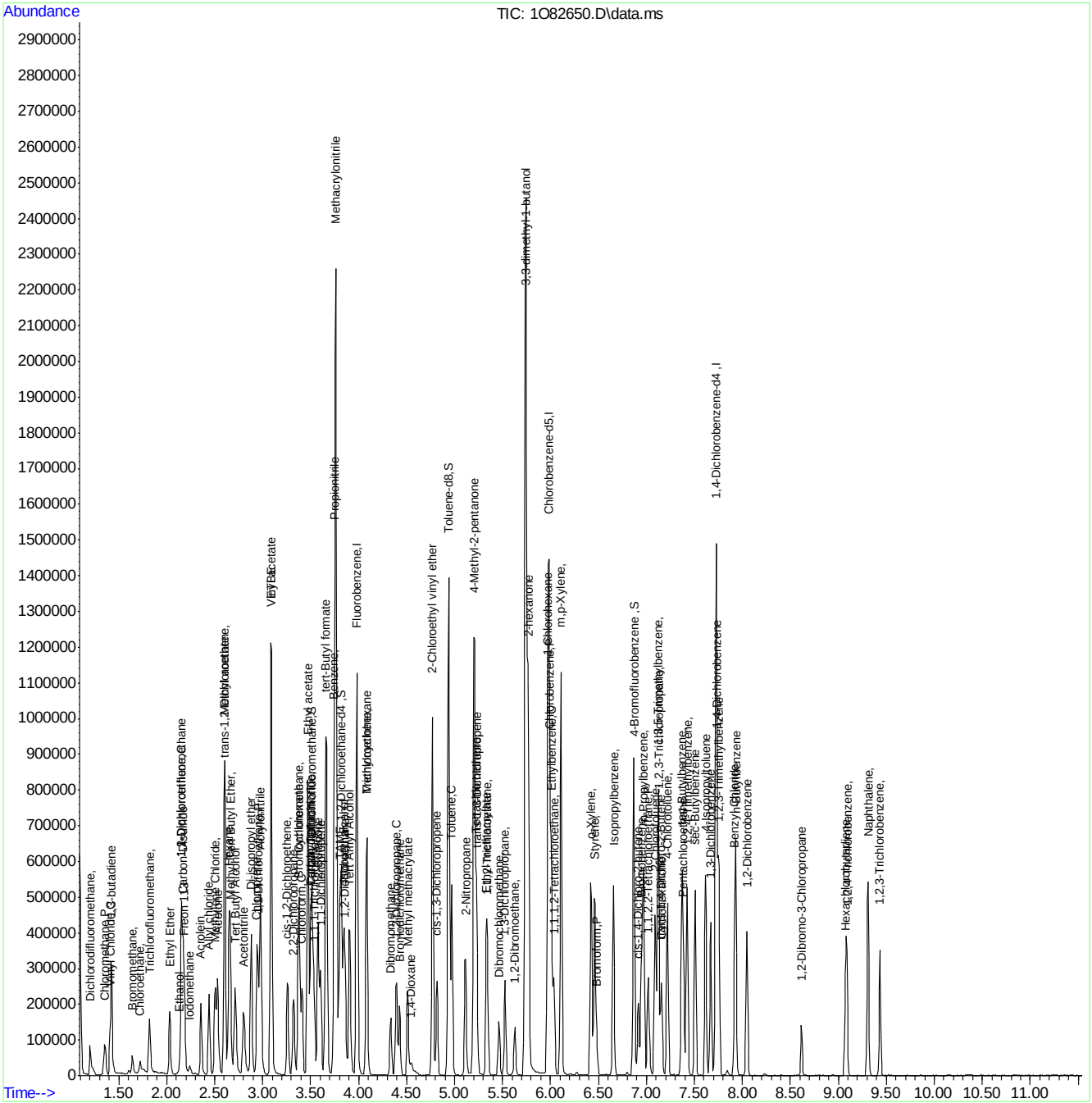
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92)	2-Chlorotoluene	7.092	91	241181	24.37	ug/L		99
93)	trans-1,4-Dichloro-2-B...	7.153	53	32159	25.57	ug/L		89
94)	1,2,3-Trichloropropane	7.128	110	32668	25.43	ug/L		98
95)	Cyclohexanone	7.159	55	34143	119.36	ug/L		99
96)	4-Chlorotoluene	7.220	91	231222	24.68	ug/L		99
97)	tert-Butylbenzene	7.372	91	138642	24.54	ug/L		97
99)	1,2,4-Trimethylbenzene	7.427	105	248176	24.43	ug/L		99
100)	Pentachloroethane	7.384	167	30369	22.64	ug/L		91
101)	sec-Butylbenzene	7.506	105	291168	24.93	ug/L		99
102)	4-Isopropyltoluene	7.616	119	243411	24.73	ug/L		97
103)	1,3-Dichlorobenzene	7.671	146	132849	24.54	ug/L		97
104)	1,2,3-Trimethylbenzene	7.756	105	257460	24.58	ug/L		99
105)	1,4-Dichlorobenzene	7.738	146	133494	24.46	ug/L		97
106)	n-Butylbenzene	7.933	92	135543	24.61	ug/L		89
107)	Benzyl Chloride	7.921	126	33763	21.81	ug/L	#	66
108)	1,2-Dichlorobenzene	8.049	146	124989	24.50	ug/L		98
109)	1,2-Dibromo-3-Chloropr...	8.616	75	26179	23.74	ug/L		86
110)	Hexachlorobutadiene	9.073	225	27549	25.75	ug/L		93
111)	1,2,4-Trichlorobenzene	9.091	180	75419	24.03	ug/L		96
112)	Naphthalene	9.311	128	302171	23.03	ug/L		100
113)	1,2,3-Trichlorobenzene	9.433	180	71855	24.54	ug/L		97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-15-2024\
Data File : 1O82650.D
Acq On : 15 Mar 2024 7:51 am
Operator : jeniferw
Sample : CC2972-4 Inst : MSVOA12
Misc : MS56094,V1O2977,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 15 08:15:55 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration



Manual Integration Approval Summary

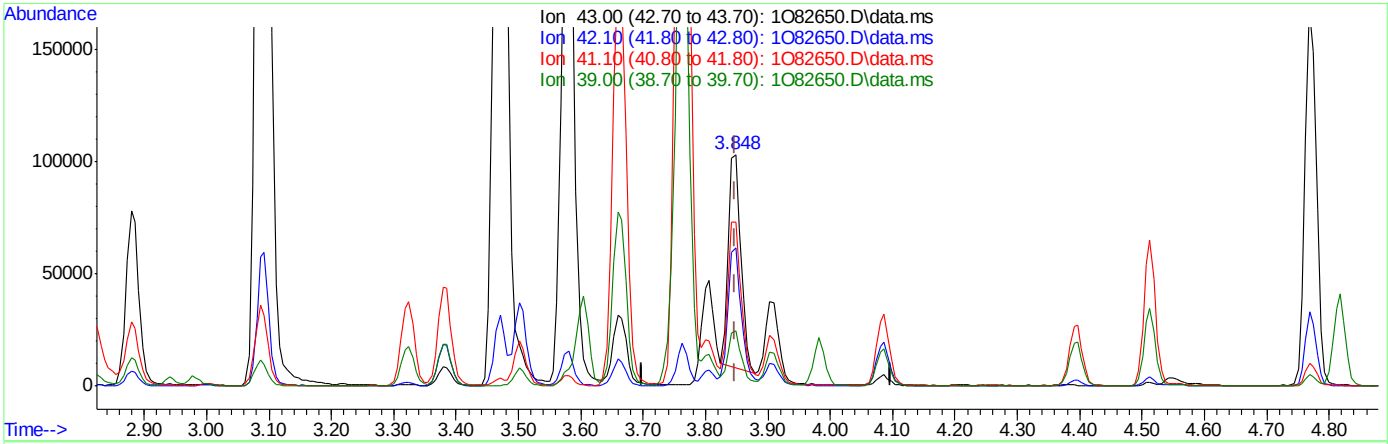
Sample Number: V1O2977-CC2972 **Method:** SW846 8260D
Lab FileID: 1O82650.D **Analyst approved:** 03/15/24 08:50 Jenifer Willis
Injection Time: 03/15/24 07:51 **Supervisor approved:** 03/18/24 08:12 Karen Watson

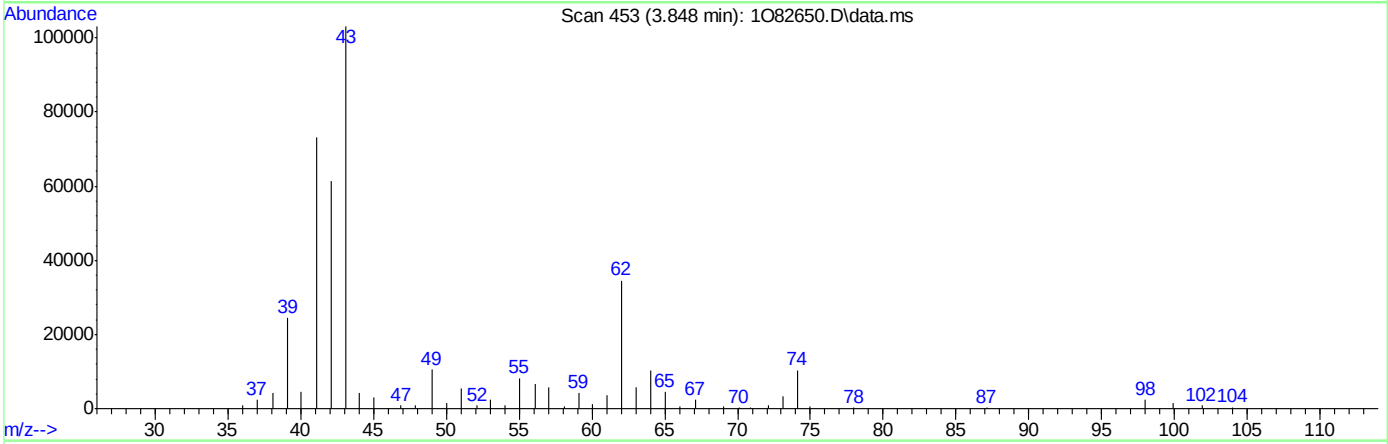
Parameter	CAS	Sig#	R.T. (min.)	Reason
Isobutyl Alcohol	78-83-1		3.85	Poorly defined baseline
1-Chlorohexane	544-10-5		5.97	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-15-2024\
Data File : 1O82650.D
Acq On : 15 Mar 2024 7:51 am
Operator : jeniferw
Sample : CC2972-4 Inst : MSVOA12
Misc : MS56094,V1O2977,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 15 08:15:33 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration





TIC: 1O82650.D\data.ms

(49) Isobutyl alcohol

3.848min (+0.000) 406.74ug/L

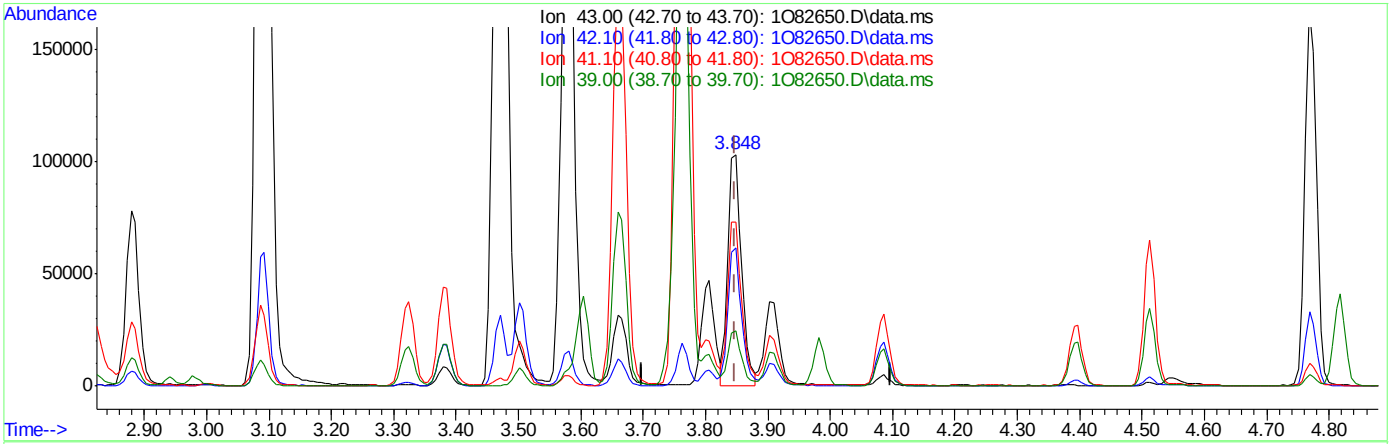
response 130752

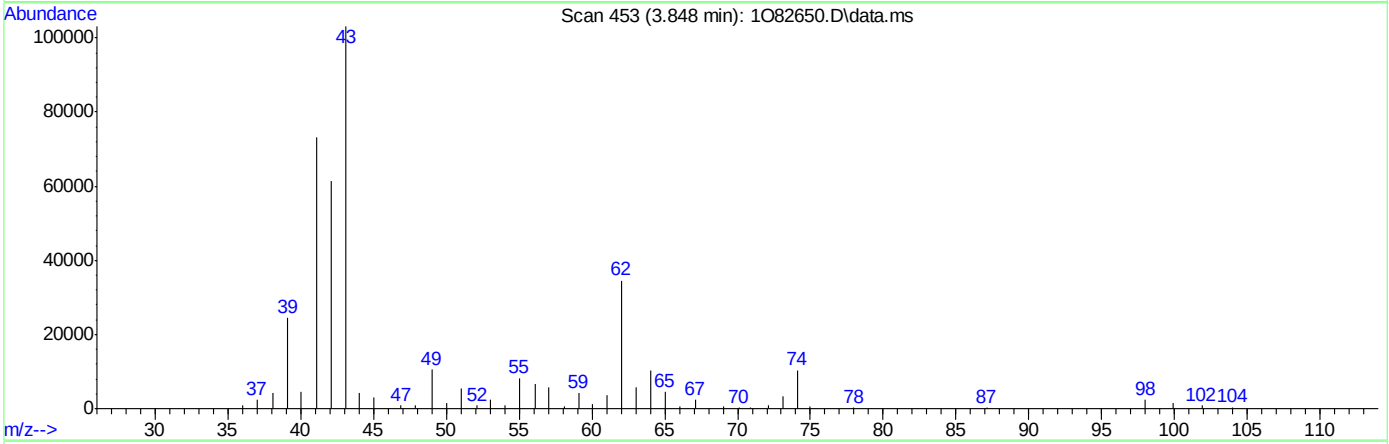
Ion	Exp%	Act%
43.00	100	100
42.10	60.00	59.79
41.10	68.80	70.04
39.00	22.50	23.10

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-15-2024\
Data File : 1O82650.D
Acq On : 15 Mar 2024 7:51 am
Operator : jeniferw
Sample : CC2972-4 Inst : MSVOA12
Misc : MS56094,V1O2977,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 15 08:15:33 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration





TIC: 1O82650.D\data.ms

(49) Isobutyl alcohol

3.848min (+0.000) 489.45ug/L m

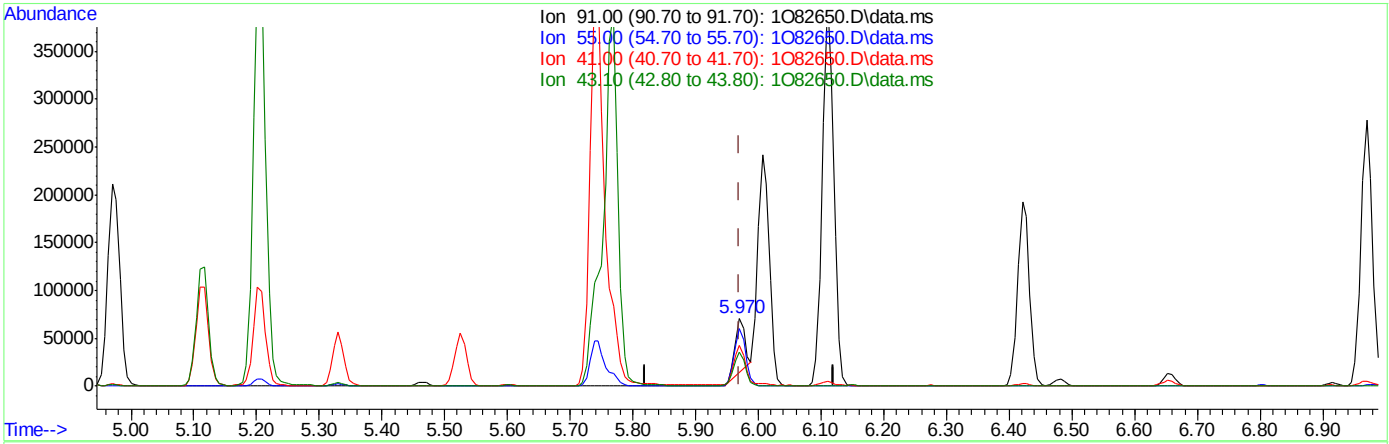
response 157343

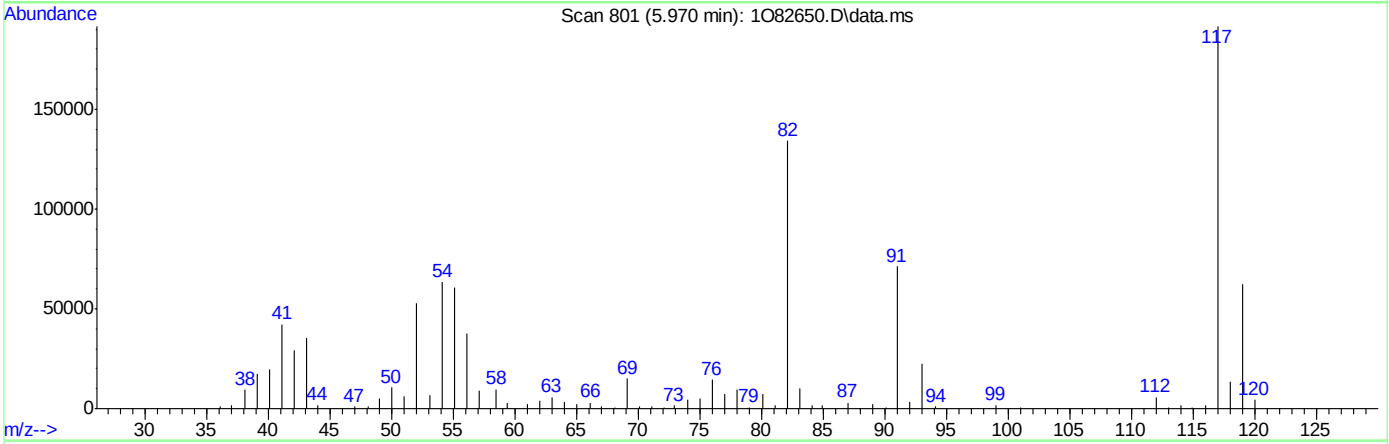
Ion	Exp%	Act%
43.00	100	100
42.10	60.00	59.57
41.10	68.80	70.98
39.00	22.50	23.73

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-15-2024\
Data File : 1O82650.D
Acq On : 15 Mar 2024 7:51 am
Operator : jeniferw
Sample : CC2972-4 Inst : MSVOA12
Misc : MS56094,V1O2977,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 15 08:15:33 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration





TIC: 1O82650.D\data.ms

(76) 1-Chlorohexane

5.970min (+0.000) 15.71ug/L

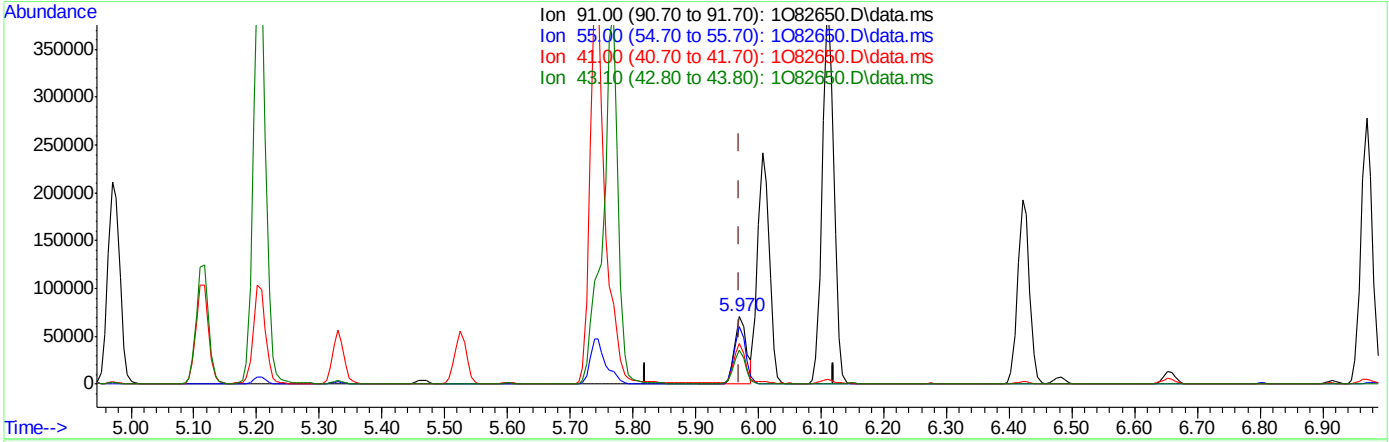
response 62261

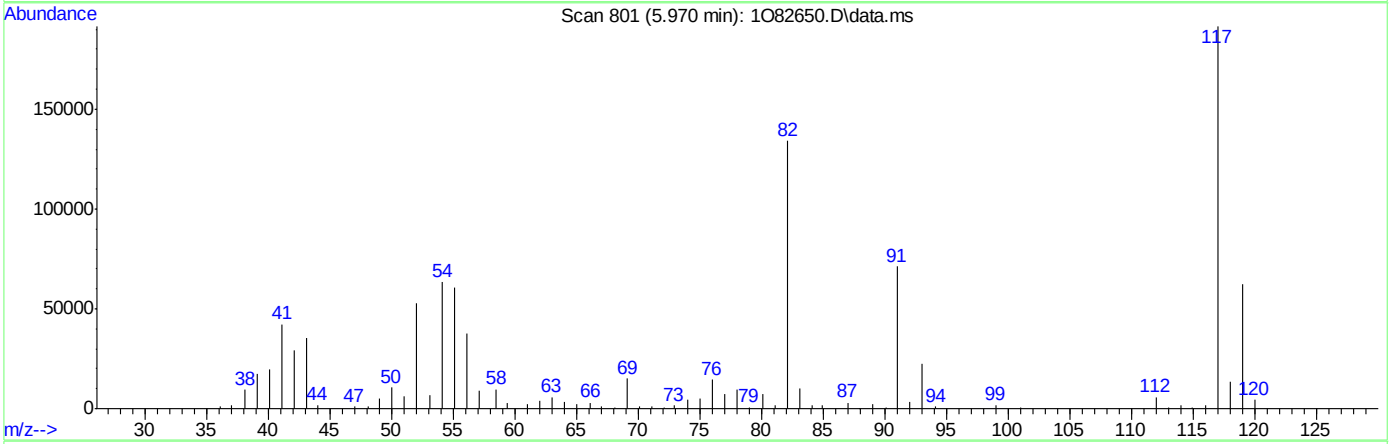
Ion	Exp%	Act%
91.00	100	100
55.00	82.50	84.77
41.00	56.60	57.93
43.10	48.60	48.75

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-15-2024\
Data File : 1O82650.D
Acq On : 15 Mar 2024 7:51 am
Operator : jeniferw
Sample : CC2972-4 Inst : MSVOA12
Misc : MS56094,V1O2977,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 15 08:15:33 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration





TIC: 1O82650.D\data.ms

(76) 1-Chlorohexane

5.970min (+0.000) 23.98ug/L m

response 95044

Ion	Exp%	Act%
91.00	100	100
55.00	82.50	85.23
41.00	56.60	59.37
43.10	48.60	49.70

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
03/18/24 08:12

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-15-2024\
Data File : 1O82676.D
Acq On : 15 Mar 2024 7:09 pm
Operator : jeniferw
Sample : ECC2972-4 Inst : MSVOA12
Misc : MS56102,V1O2977,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Mar 17 14:03:39 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.983	96	672269	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.982	117	455765	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.732	152	240435	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.513	113	171329	50.04	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.08%			
50) 1,2-Dichloroethane-d4	3.824	65	227197	52.25	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 104.50%			
63) Toluene-d8	4.940	98	668897	50.04	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.08%			
86) 4-Bromofluorobenzene	6.872	174	171776	50.28	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.56%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.203	85	49261	21.13	ug/L	99
3) Chloromethane	1.355	50	71172	23.70	ug/L	99
4) 1,3-butadiene	1.422	39	59126	21.73	ug/L	94
5) Vinyl Chloride	1.410	62	71451	22.22	ug/L	99
6) Bromomethane	1.642	94	17809	22.36	ug/L	100
7) Chloroethane	1.727	64	22529	31.57	ug/L	96
8) Trichlorofluoromethane	1.825	101	73824	22.28	ug/L	97
9) Ethyl Ether	2.032	59	60241	21.74	ug/L	99
10) Ethanol	2.129	45	33874	500.61	ug/L	96
11) 1,2-Dichlorotrifluoroe...	2.154	67	67834	20.44	ug/L	97
12) 1,1-Dichloroethene	2.154	61	92570	21.19	ug/L	95
13) Freon 113	2.184	101	48182	20.07	ug/L	98
14) Carbon Disulfide	2.172	76	167692	19.20	ug/L	97
15) Iodomethane	2.245	142	26144	28.92	ug/L	96
16) Acrolein	2.361	56	105459	100.62	ug/L	100
17) Allyl chloride	2.446	41	81342	20.09	ug/L	96
18) Methylene Chloride	2.507	49	112871	29.90	ug/L	96
19) Acetone	2.532	43	174165	115.56	ug/L	98
20) Methyl acetate	2.605	43	442594	116.40	ug/L	99
21) trans-1,2-Dichloroethene	2.605	61	94270	21.35	ug/L	99
22) Hexane	2.654	56	47583	19.73	ug/L	88
23) Methyl Tert Butyl Ether	2.666	73	179508	20.81	ug/L	97
24) Tert Butyl Alcohol	2.715	59	199075	220.42	ug/L	99
25) Acetonitrile	2.800	41	133751	235.59	ug/L	99
26) Di-isopropyl ether	2.879	45	215431	22.80	ug/L	97
27) Chloroprene	2.940	53	92216	20.26	ug/L	97
28) 1,1-Dichloroethane	2.959	63	118497	20.95	ug/L	98
29) Acrylonitrile	2.977	52	196150	115.84	ug/L	100
30) ETBE	3.087	59	211916	21.49	ug/L	97
31) Vinyl acetate	3.093	43	760771	113.16	ug/L	99
32) cis-1,2-Dichloroethene	3.263	96	60849	19.86	ug/L	96
33) 2,2-Dichloropropane	3.324	77	70345	17.43	ug/L	99
34) Bromochloromethane	3.373	128	29317	21.09	ug/L	92
35) Cyclohexane	3.385	56	111779	20.89	ug/L	90

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-15-2024\
Data File : 1O82676.D
Acq On : 15 Mar 2024 7:09 pm
Operator : jeniferw
Sample : ECC2972-4 Inst : MSVOA12
Misc : MS56102,V1O2977,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Mar 17 14:03:39 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Chloroform	3.410	83	107533	20.39	ug/L		98
37) Ethyl acetate	3.471	43	554997	117.97	ug/L		98
38) Tetrahydrofuran	3.501	42	42001	22.35	ug/L		95
40) Carbon Tetrachloride	3.501	117	57231	17.39	ug/L		99
41) 1,1,1-Trichloroethane	3.538	97	82084	19.65	ug/L		99
42) 2-Butanone	3.580	43	303917	112.45	ug/L		98
43) 1,1-Dichloropropene	3.605	75	77527	20.71	ug/L		98
44) tert-Butyl formate	3.666	59	244279	91.88	ug/L		89
45) Propionitrile	3.751	54	198041	219.94	ug/L		92
46) Methacrylonitrile	3.763	41	596488	227.76	ug/L		100
47) Benzene	3.745	78	232164	20.76	ug/L		99
48) TAME	3.806	73	169375	20.33	ug/L		94
49) Isobutyl alcohol	3.849	43	140926m	445.81	ug/L		
51) 1,2-Dichloroethane	3.861	62	93551	22.19	ug/L		97
52) Tert Amyl Alcohol	3.910	59	161154	213.53	ug/L		93
53) Trichloroethene	4.086	95	60648	19.93	ug/L		97
54) Methylcyclohexane	4.086	83	83076	19.34	ug/L		95
55) Dibromomethane	4.336	93	39425	20.71	ug/L		97
56) 1,2-Dichloropropane	4.397	63	69028	21.58	ug/L		96
57) Bromodichloromethane	4.428	83	72460	18.95	ug/L		98
58) Methyl methacrylate	4.513	41	68902	21.15	ug/L		96
59) 1,4-Dioxane	4.550	88	28462	494.38	ug/L		95
60) 2-Chloroethyl vinyl ether	4.775	63	295875	110.19	ug/L		99
61) cis-1,3-Dichloropropene	4.818	75	90503	19.41	ug/L		97
64) Toluene	4.976	91	234679	20.13	ug/L		100
65) 2-Nitropropane	5.117	41	112260	95.65	ug/L		98
66) 4-Methyl-2-pentanone	5.208	43	531320	114.42	ug/L		97
67) trans-1,3-Dichloropropene	5.239	75	85057	19.51	ug/L		99
68) Tetrachloroethene	5.226	166	52129	20.68	ug/L		97
69) Ethyl methacrylate	5.330	69	81946	19.20	ug/L		94
70) 1,1,2-Trichloroethane	5.342	83	52077	20.74	ug/L		96
71) Dibromochloromethane	5.464	129	47378	18.00	ug/L		99
72) 1,3-Dichloropropane	5.531	76	99963	21.30	ug/L		98
73) 1,2-Dibromoethane	5.629	107	59716	20.66	ug/L		94
74) 3,3-dimethyl-1-butanol	5.745	57	1003810	1134.95	ug/L		97
75) 2-hexanone	5.769	43	568591	115.96	ug/L		95
76) 1-Chlorohexane	5.976	91	69638m	18.04	ug/L		
77) Ethylbenzene	6.013	91	255716	20.18	ug/L		98
78) Chlorobenzene	5.995	112	150275	20.37	ug/L		99
79) 1,1,1,2-Tetrachloroethane	6.037	131	45699	18.40	ug/L		98
80) m,p-Xylene	6.110	91	404833	40.17	ug/L		99
81) o-Xylene	6.427	91	211990	20.16	ug/L		97
82) Styrene	6.464	104	160423	20.15	ug/L		98
83) Bromoform	6.482	173	26438	16.72	ug/L		98
84) Isopropylbenzene	6.659	105	234701	19.95	ug/L		98
87) cis-1,4-Dichloro-2-butene	6.915	53	28080	18.35	ug/L	#	81
88) n-Propylbenzene	6.976	91	291330	20.34	ug/L		100
89) Bromobenzene	6.952	156	54821	20.47	ug/L		97
90) 1,1,2,2-Tetrachloroethane	7.019	83	95784	21.21	ug/L		100
91) 1,3,5-Trimethylbenzene	7.122	105	203592	20.29	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-15-2024\
Data File : 1O82676.D
Acq On : 15 Mar 2024 7:09 pm
Operator : jeniferw
Sample : ECC2972-4 Inst : MSVOA12
Misc : MS56102,V1O2977,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Mar 17 14:03:39 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration

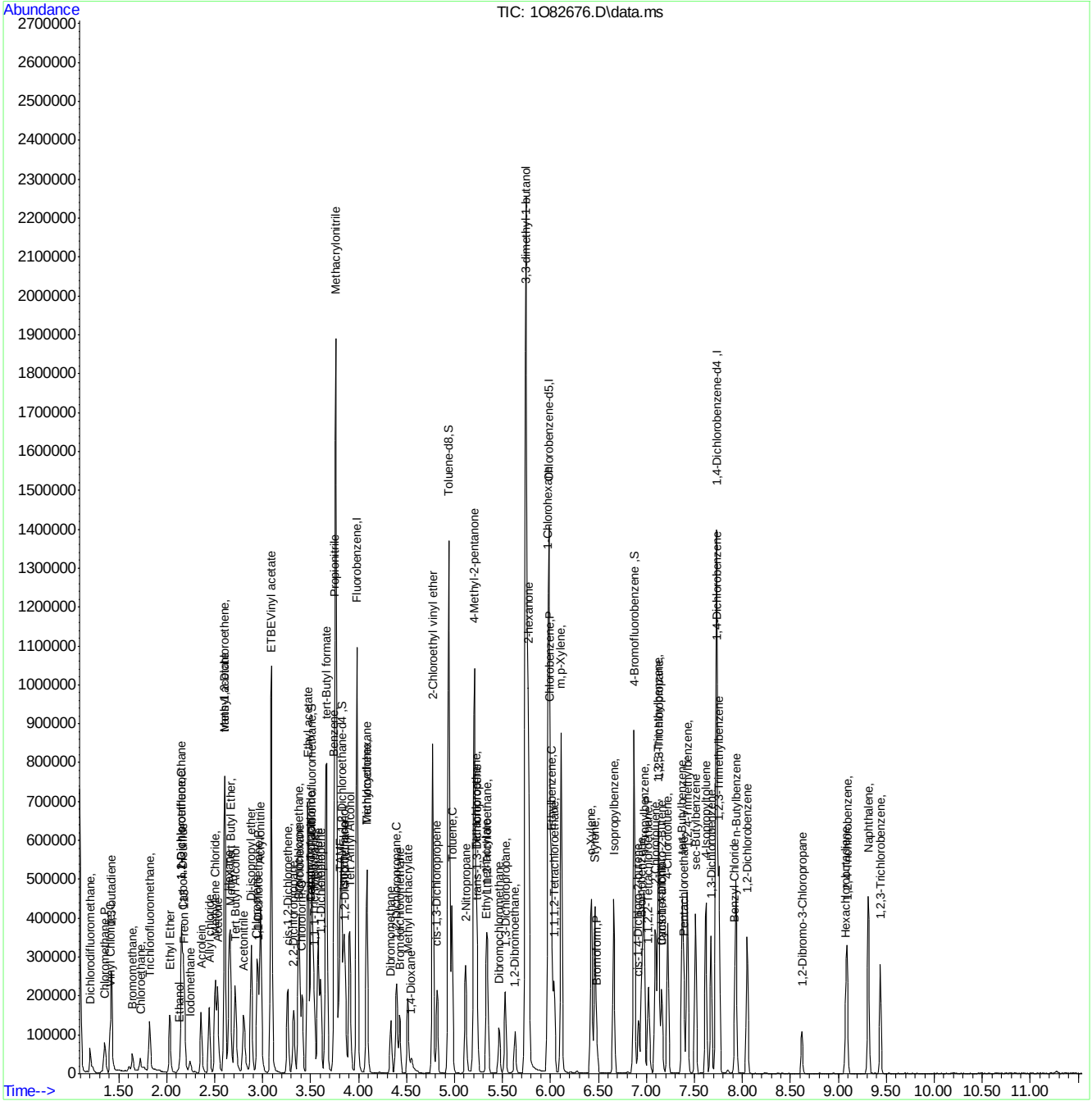
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92)	2-Chlorotoluene	7.092	91	199233	20.34	ug/L		99
93)	trans-1,4-Dichloro-2-B...	7.159	53	23895	19.19	ug/L	#	82
94)	1,2,3-Trichloropropane	7.128	110	26768	21.05	ug/L		95
95)	Cyclohexanone	7.159	55	33437	118.06	ug/L		96
96)	4-Chlorotoluene	7.220	91	189626	20.44	ug/L		99
97)	tert-Butylbenzene	7.372	91	113729	20.33	ug/L		97
99)	1,2,4-Trimethylbenzene	7.427	105	205177	20.40	ug/L		99
100)	Pentachloroethane	7.391	167	21298	16.04	ug/L		92
101)	sec-Butylbenzene	7.513	105	231220	20.00	ug/L		99
102)	4-Isopropyltoluene	7.622	119	194123	19.92	ug/L		99
103)	1,3-Dichlorobenzene	7.677	146	108970	20.33	ug/L		98
104)	1,2,3-Trimethylbenzene	7.756	105	211741	20.42	ug/L		99
105)	1,4-Dichlorobenzene	7.738	146	112537	20.82	ug/L		96
106)	n-Butylbenzene	7.933	92	104535	19.17	ug/L		94
107)	Benzyl Chloride	7.921	126	20644	13.57	ug/L	#	75
108)	1,2-Dichlorobenzene	8.049	146	106301	21.04	ug/L		99
109)	1,2-Dibromo-3-Chloropr...	8.622	75	20624	18.89	ug/L		90
110)	Hexachlorobutadiene	9.079	225	20413	19.27	ug/L		94
111)	1,2,4-Trichlorobenzene	9.091	180	62911	20.25	ug/L		96
112)	Naphthalene	9.311	128	253657	19.53	ug/L		100
113)	1,2,3-Trichlorobenzene	9.439	180	59689	20.59	ug/L		99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\03-15-2024\
Data File : 1O82676.D
Acq On : 15 Mar 2024 7:09 pm
Operator : jeniferw
Sample : ECC2972-4 Inst : MSVOA12
Misc : MS56102,V1O2977,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Mar 17 14:03:39 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration



Manual Integration Approval Summary

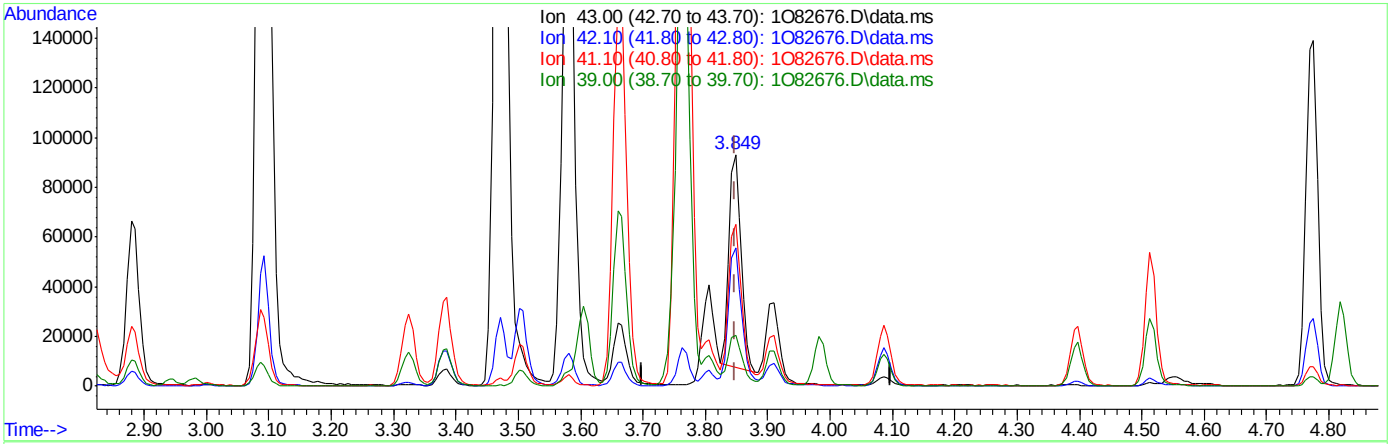
Sample Number: V1O2977-ECC2972 **Method:** SW846 8260D
Lab FileID: 1O82676.D **Analyst approved:** 03/17/24 14:17 Jenifer Willis
Injection Time: 03/15/24 19:09 **Supervisor approved:** 03/18/24 08:12 Karen Watson

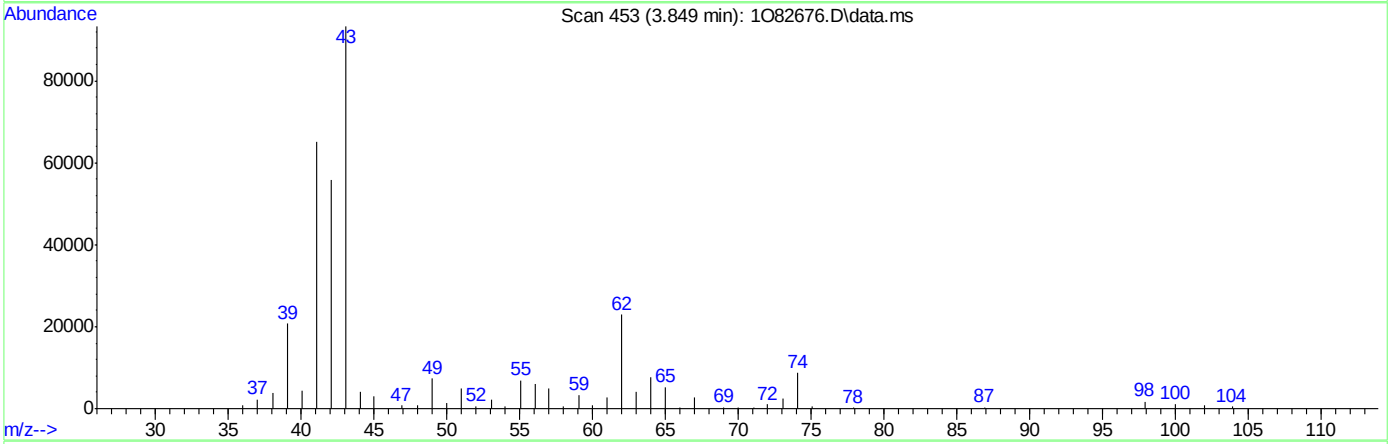
Parameter	CAS	Sig#	R.T. (min.)	Reason
Isobutyl Alcohol	78-83-1		3.85	Poorly defined baseline
1-Chlorohexane	544-10-5		5.98	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-15-2024\
Data File : 1O82676.D
Acq On : 15 Mar 2024 7:09 pm
Operator : jeniferw
Sample : ECC2972-4 Inst : MSVOA12
Misc : MS56102,V1O2977,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Mar 17 08:52:11 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration





TIC: 1O82676.D\data.ms

(49) Isobutyl alcohol

3.849min (+0.000) 364.80ug/L

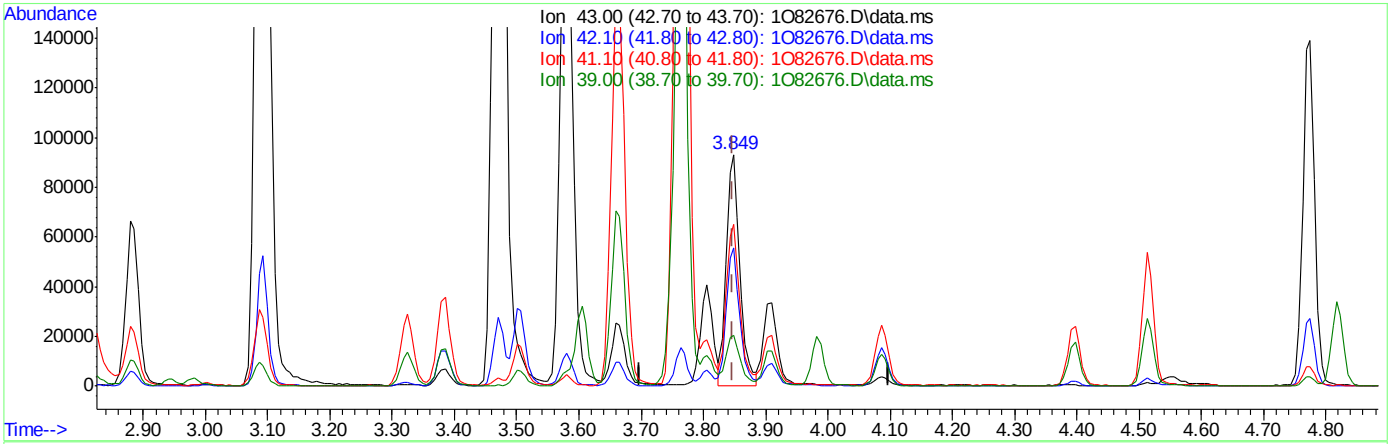
response 115319

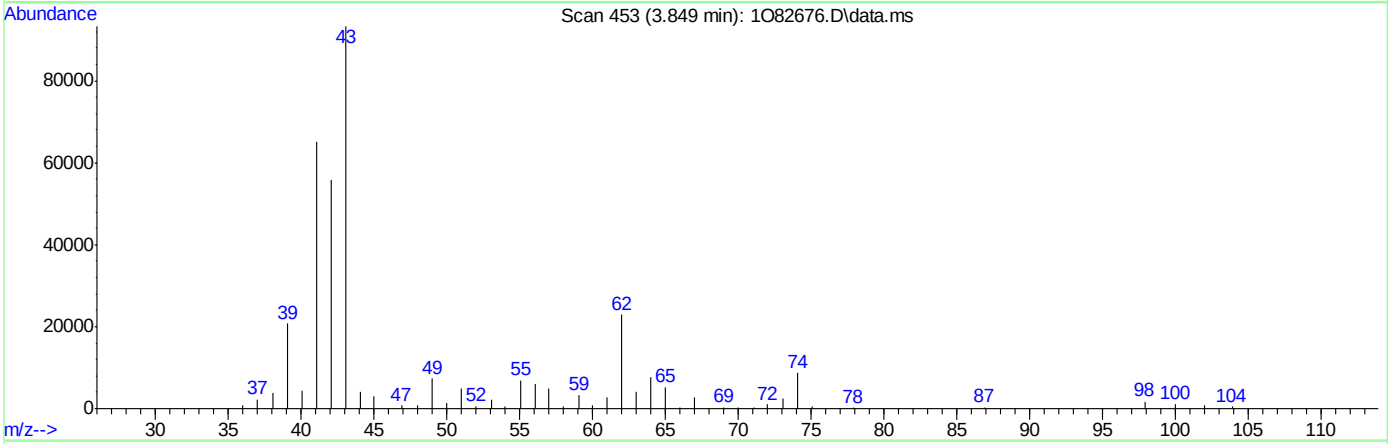
Ion	Exp%	Act%
43.00	100	100
42.10	60.00	60.49
41.10	68.80	69.24
39.00	22.50	21.10

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-15-2024\
Data File : 1O82676.D
Acq On : 15 Mar 2024 7:09 pm
Operator : jeniferw
Sample : ECC2972-4 Inst : MSVOA12
Misc : MS56102,V1O2977,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Mar 17 08:52:11 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration





TIC: 1O82676.D\data.ms

(49) Isobutyl alcohol

3.849min (+0.000) 445.81ug/L m

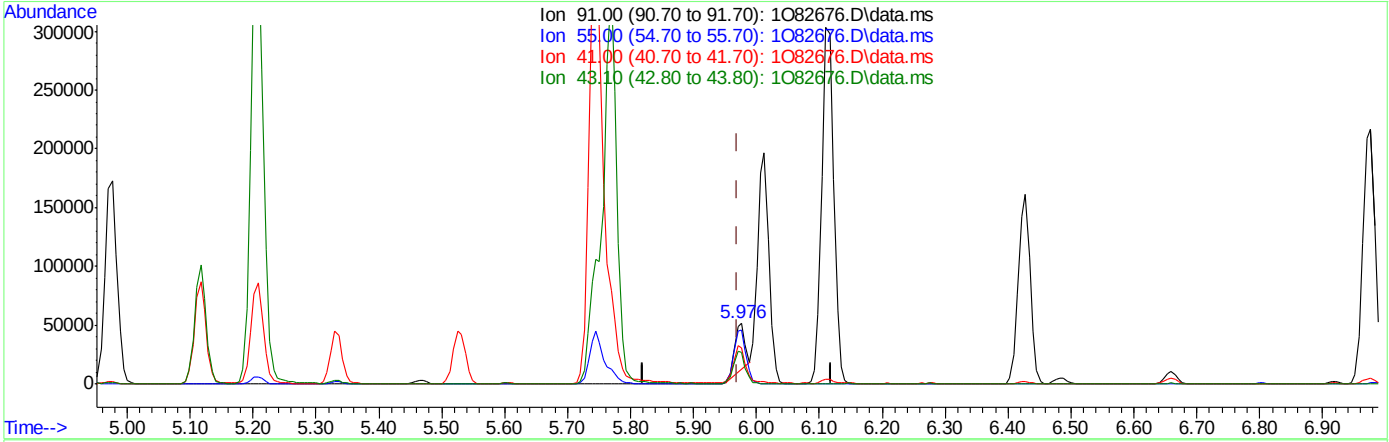
response 140926

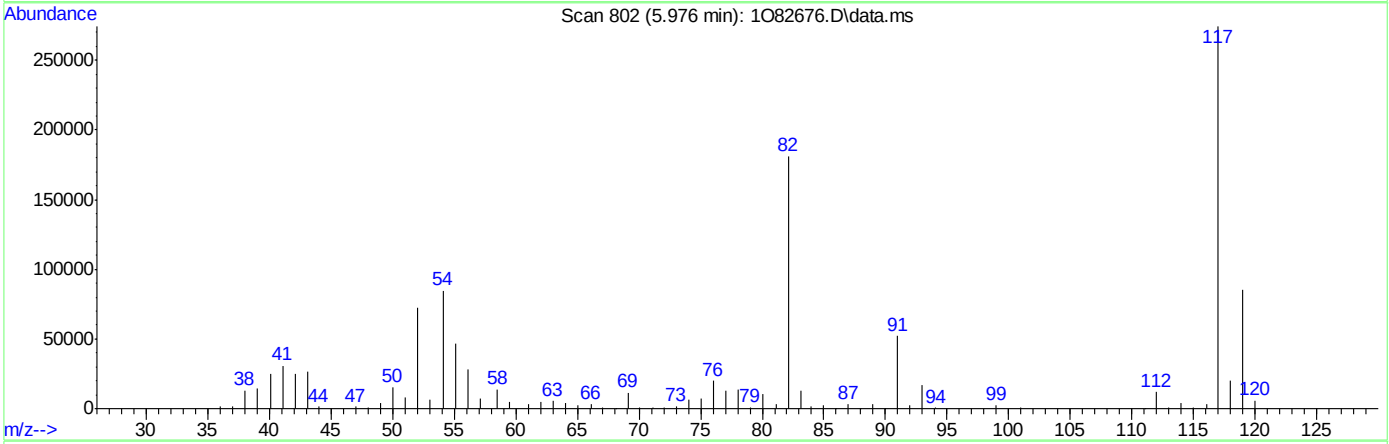
Ion	Exp%	Act%
43.00	100	100
42.10	60.00	59.79
41.10	68.80	69.90
39.00	22.50	22.17

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-15-2024\
Data File : 1O82676.D
Acq On : 15 Mar 2024 7:09 pm
Operator : jeniferw
Sample : ECC2972-4 Inst : MSVOA12
Misc : MS56102,V1O2977,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Mar 17 08:52:11 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration





TIC: 1O82676.D\data.ms

(76) 1-Chlorohexane

5.976min (+0.006) 12.28ug/L

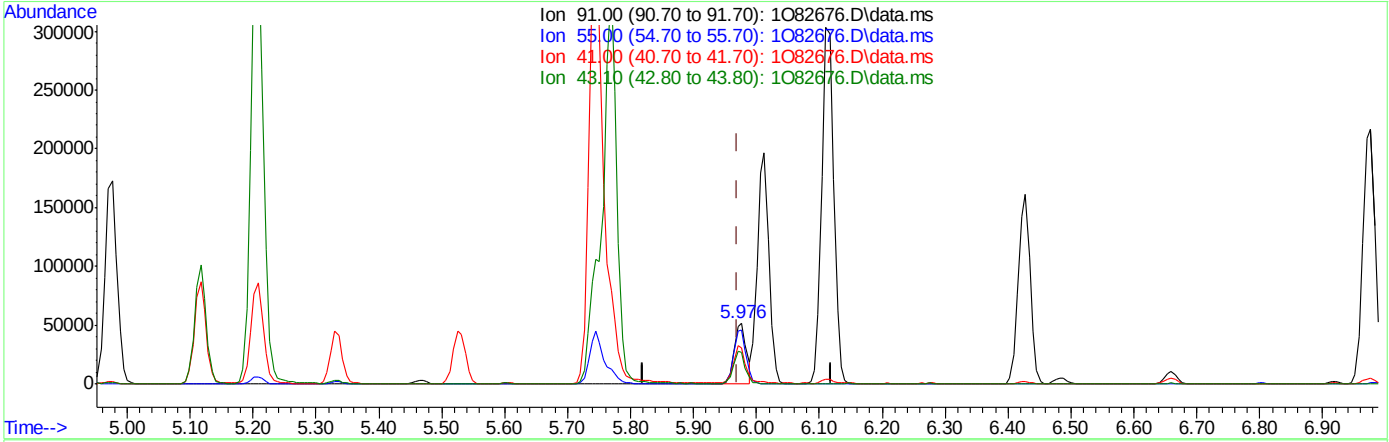
response 47429

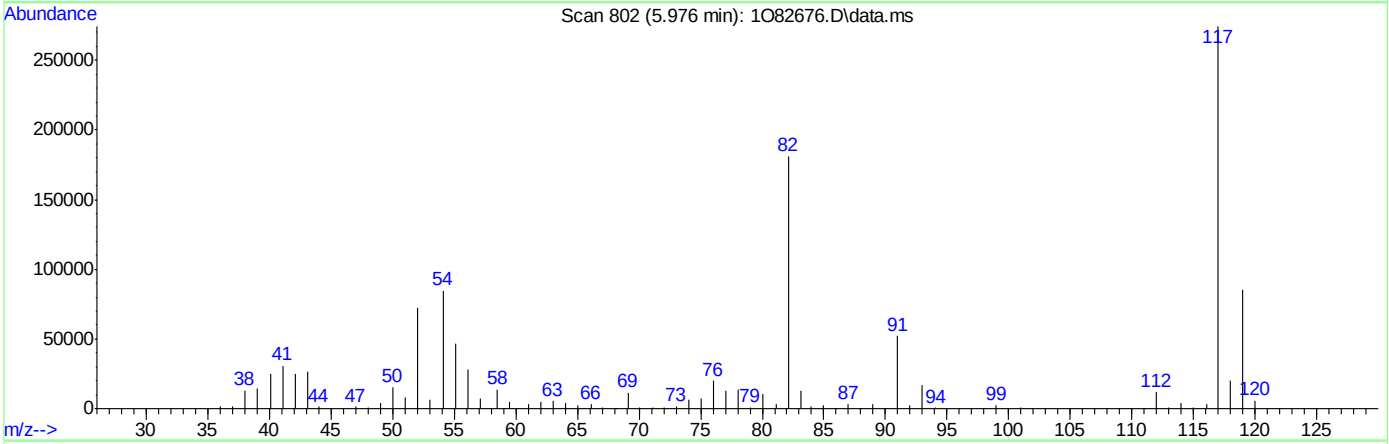
Ion	Exp%	Act%
91.00	100	100
55.00	82.50	87.30
41.00	56.60	55.98
43.10	48.60	49.21

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\03-15-2024\
Data File : 1O82676.D
Acq On : 15 Mar 2024 7:09 pm
Operator : jeniferw
Sample : ECC2972-4 Inst : MSVOA12
Misc : MS56102,V1O2977,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Mar 17 08:52:11 2024
Quant Method : C:\msdchem\2\methods\V1O_03-07-2024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Mar 07 14:46:10 2024
Response via : Initial Calibration





TIC: 1O82676.D\data.ms

(76) 1-Chlorohexane

5.976min (+0.006) 18.04ug/L m

response 69638

Ion	Exp%	Act%
91.00	100	100
55.00	82.50	89.22
41.00	56.60	58.87
43.10	48.60	51.42

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
02/08/24 11:45

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104189.D
Acq On : 7 Feb 2024 8:55 am
Operator : LIANAT
Sample : IC3959-1 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 07 13:10:38 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	3.697	96	1443893	50.00	ug/L		0.00
62) Chlorobenzene-d5	5.616	117	995036	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	7.305	152	488615	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	3.243	113	313119	51.57	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 103.14%				
49) 1,2-Dichloroethane-d4	3.530	65	390536	50.92	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 101.84%				
63) Toluene-d8	4.623	98	1363773	47.02	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 94.04%				
86) 4-Bromofluorobenzene	6.468	174	428741	53.32	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 106.64%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.120	85	5080	1.61	ug/L		93
3) Chloromethane	1.240	50	8484	1.87	ug/L		86
4) 1,3-butadiene	1.314	39	7815	1.24	ug/L		97
5) Vinyl Chloride	1.298	62	6709	1.33	ug/L		93
6) Bromomethane	1.502	94	4626m	1.80	ug/L		
7) Chloroethane	1.575	64	4804	2.81	ug/L		79
8) Trichlorofluoromethane	1.674	101	9138	1.05	ug/L		87
9) Ethyl Ether	1.868	59	6763	1.22	ug/L		93
11) 1,2-Dichlorotrifluoroe...	1.962	67	7859	1.34	ug/L		86
12) 1,1-Dichloroethene	1.972	61	9904	1.27	ug/L		85
13) Freon 113	2.004	101	7241	1.62	ug/L		91
14) Carbon Disulfide	1.993	76	19628	1.36	ug/L		99
15) Iodomethane	2.051	142	3778m	1.04	ug/L		
17) Allyl chloride	2.234	41	9077	1.18	ug/L		95
18) Methylene Chloride	2.286	49	18997	2.62	ug/L		99
19) Acetone	2.307	43	15179	4.58	ug/L		97
20) Methyl acetate	2.385	43	46969	5.72	ug/L		97
21) trans-1,2-Dichloroethene	2.385	61	10367	1.31	ug/L		83
22) Hexane	2.458	56	5297	1.26	ug/L	#	69
23) Methyl Tert Butyl Ether	2.453	73	23206	1.26	ug/L		94
24) Tert Butyl Alcohol	2.490	59	24553	12.55	ug/L		73
25) Acetonitrile	2.542	41	14451	10.25	ug/L		95
26) Di-isopropyl ether	2.668	45	23125	1.23	ug/L		97
27) Chloroprene	2.715	53	23317	0.89	ug/L		98
28) 1,1-Dichloroethane	2.709	63	13134	1.22	ug/L		99
29) Acrylonitrile	2.715	52	14854	4.29	ug/L		79
30) ETBE	2.861	59	22569	1.21	ug/L		94
31) Vinyl acetate	2.845	43	60664	4.69	ug/L		95
32) cis-1,2-Dichloroethene	3.002	96	8230m	1.31	ug/L		
33) 2,2-Dichloropropane	3.065	77	9264	1.22	ug/L		86
34) Bromochloromethane	3.107	128	4017	1.48	ug/L		88
35) Cyclohexane	3.143	56	11802	1.25	ug/L	#	80
36) Chloroform	3.154	83	13217	1.30	ug/L		81
37) Ethyl acetate	3.211	43	38146	4.20	ug/L		94
38) Tetrahydrofuran	3.253	42	1848m	0.49	ug/L		
40) Carbon Tetrachloride	3.248	117	10464	1.59	ug/L		89
41) 1,1,1-Trichloroethane	3.274	97	12005	1.45	ug/L		95
42) 2-Butanone	3.305	43	20820m	3.94	ug/L		
43) 1,1-Dichloropropene	3.342	75	8857	1.21	ug/L		94
44) tert-Butyl formate	3.389	59	23791	5.43	ug/L	#	78
45) Propionitrile	3.452	54	8721	6.05	ug/L	#	59
46) Methacrylonitrile	3.467	41	47272	8.69	ug/L		96
47) Benzene	3.473	78	30117	1.21	ug/L		92
48) TAME	3.546	73	20823	1.19	ug/L		97
50) Isobutyl alcohol	3.546	43	6483m	13.10	ug/L		
51) 1,2-Dichloroethane	3.567	62	10734	1.32	ug/L		94
52) Tert Amyl Alcohol	3.635	59	13916	9.41	ug/L		84
53) Trichloroethene	3.802	95	8297	1.37	ug/L		84

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104189.D
Acq On : 7 Feb 2024 8:55 am
Operator : LIANAT
Sample : IC3959-1 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 07 13:10:38 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration

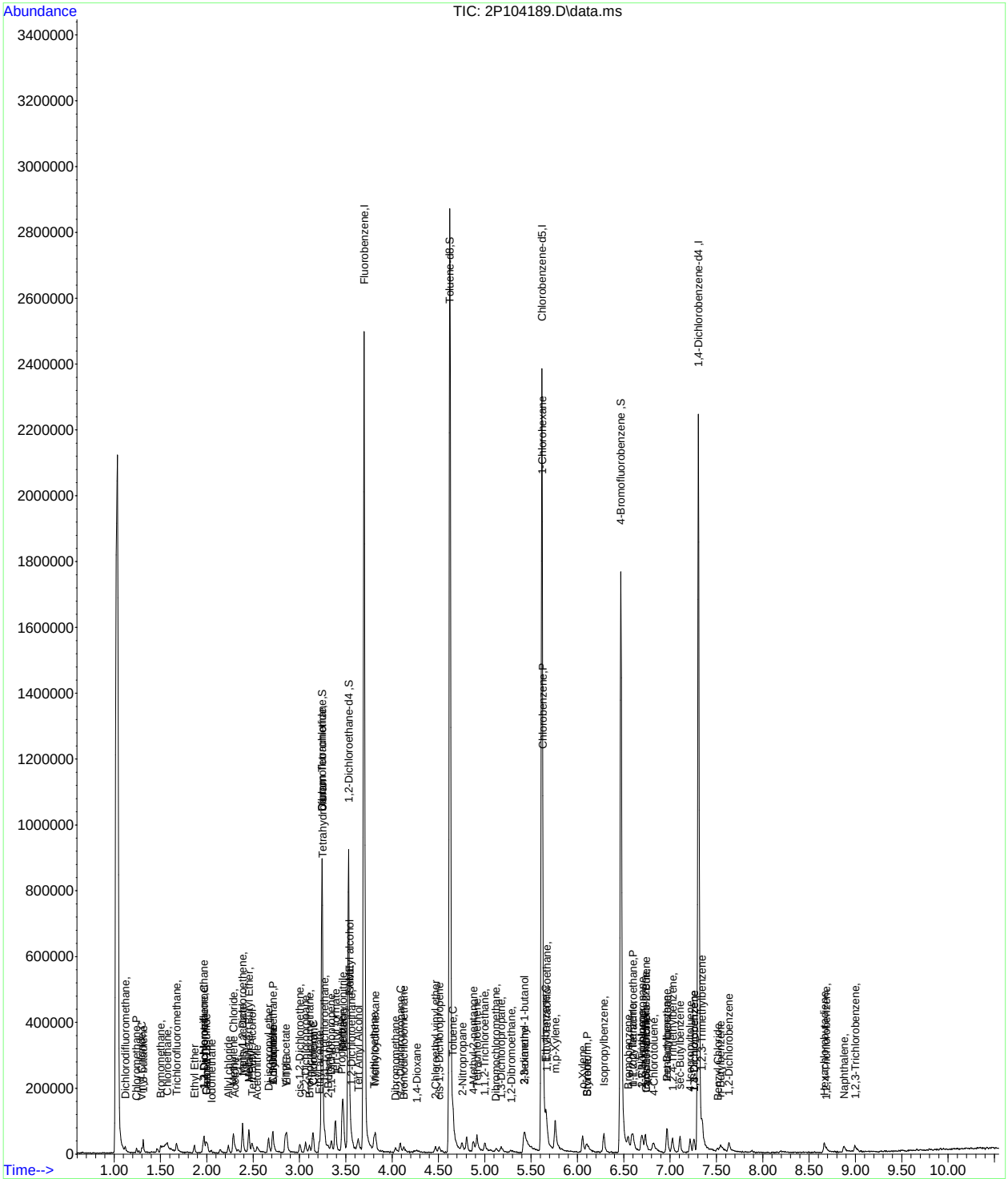
Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
54) Methylcyclohexane	3.818	83	10418	1.23 ug/L		96
55) Dibromomethane	4.037	93	4068	1.30 ug/L	#	76
56) 1,2-Dichloropropane	4.090	63	7150	1.30 ug/L		94
57) Bromodichloromethane	4.126	83	7941	1.19 ug/L		84
59) 1,4-Dioxane	4.267	88	2011m	15.04 ug/L		
60) 2-Chloroethyl vinyl ether	4.466	63	6091	2.55 ug/L		82
61) cis-1,3-Dichloropropene	4.508	75	8073	1.04 ug/L		78
64) Toluene	4.659	91	32026	1.18 ug/L		90
65) 2-Nitropropane	4.754	41	12110	5.04 ug/L	#	79
66) 4-Methyl-2-pentanone	4.874	43	28660	2.74 ug/L		91
68) Tetrachloroethene	4.916	166	8178	1.31 ug/L		93
70) 1,1,2-Trichloroethane	4.999	83	4775	1.01 ug/L		88
71) Dibromochloromethane	5.125	129	5022	1.01 ug/L		92
72) 1,3-Dichloropropane	5.177	76	10884	1.15 ug/L		84
73) 1,2-Dibromoethane	5.287	107	5499m	1.03 ug/L		
74) 3,3-dimethyl-1-butanol	5.423	57	46793	28.02 ug/L	#	92
75) 2-hexanone	5.433	43	23087	2.20 ug/L		80
76) 1-Chlorohexane	5.627	91	8821m	1.17 ug/L		
77) Ethylbenzene	5.658	91	31798	1.12 ug/L		97
78) Chlorobenzene	5.632	112	20857	1.26 ug/L		96
79) 1,1,1,2-Tetrachloroethane	5.674	131	5474	1.09 ug/L	#	62
80) m,p-Xylene	5.757	91	48747	2.25 ug/L		92
81) o-Xylene	6.055	91	27398	1.22 ug/L		97
82) Styrene	6.102	104	14750	0.98 ug/L		81
83) Bromoform	6.097	173	2587m	0.77 ug/L		
84) Isopropylbenzene	6.285	105	31020	1.22 ug/L		96
88) n-Propylbenzene	6.589	91	36164	1.20 ug/L		90
89) Bromobenzene	6.547	156	8656	1.40 ug/L	#	71
90) 1,1,2,2-Tetrachloroethane	6.604	83	8597	1.00 ug/L		85
91) 1,3,5-Trimethylbenzene	6.735	105	22297	1.09 ug/L		91
92) 2-Chlorotoluene	6.693	91	18128	1.02 ug/L		97
93) trans-1,4-Dichloro-2-B...	6.745	53	1015m	0.45 ug/L		
94) 1,2,3-Trichloropropane	6.704	110	3305m	1.10 ug/L		
95) Cyclohexanone	6.745	55	454m	1.05 ug/L		
96) 4-Chlorotoluene	6.824	91	20698	1.11 ug/L		83
97) tert-Butylbenzene	6.965	91	11998	1.10 ug/L		94
99) 1,2,4-Trimethylbenzene	7.028	105	22227	1.11 ug/L		88
100) Pentachloroethane	6.970	167	2464m	0.84 ug/L		
101) sec-Butylbenzene	7.106	105	25440	1.12 ug/L		94
102) 4-Isopropyltoluene	7.216	119	19387	1.04 ug/L		98
103) 1,3-Dichlorobenzene	7.258	146	12746	1.14 ug/L		91
104) 1,2,3-Trimethylbenzene	7.347	105	22773	1.12 ug/L		87
105) 1,4-Dichlorobenzene	7.258	146	12746	1.05 ug/L		92
106) n-Butylbenzene	7.545	92	6835	0.95 ug/L		94
107) Benzyl Chloride	7.519	126	1480m	0.69 ug/L		
108) 1,2-Dichlorobenzene	7.634	146	11866	1.15 ug/L		86
110) Hexachlorobutadiene	8.664	225	3912	1.80 ug/L		90
111) 1,2,4-Trichlorobenzene	8.690	180	7703	1.70 ug/L	#	69
112) Naphthalene	8.878	128	20068	1.27 ug/L		89
113) 1,2,3-Trichlorobenzene	9.004	180	6897	1.44 ug/L		86

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104189.D
Acq On : 7 Feb 2024 8:55 am
Operator : LIANAT
Sample : IC3959-1 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 07 13:10:38 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration



Manual Integration Approval Summary

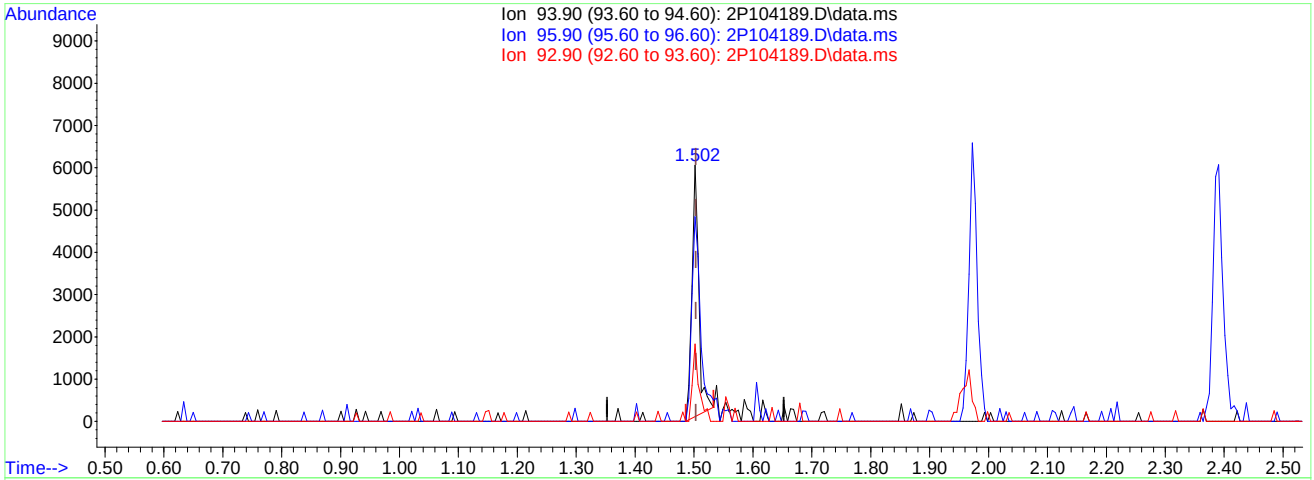
Sample Number: V2P3959-IC3959 **Method:** SW846 8260D
Lab FileID: 2P104189.D **Analyst approved:** 02/08/24 10:16 Liana Tortrodriguez
Injection Time: 02/07/24 08:55 **Supervisor approved:** 02/08/24 11:45 Karen Watson

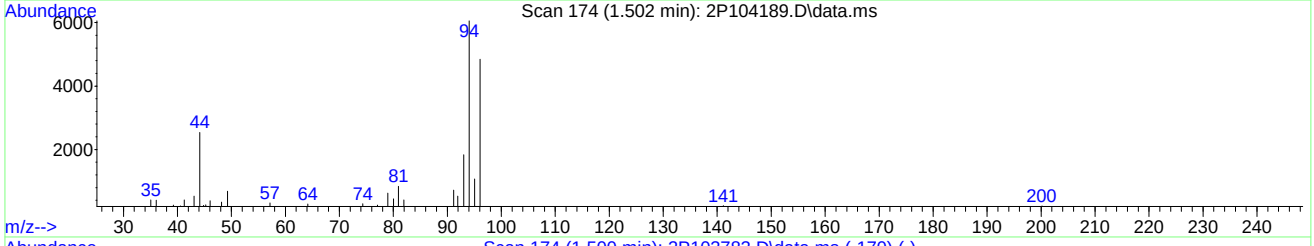
Parameter	CAS	Sig#	R.T. (min.)	Reason
Methyl Bromide	74-83-9		1.50	Missed peak
Methyl Iodide	74-88-4		2.05	Missed peak
cis-1,2-Dichloroethylene	156-59-2		3.00	Poor instrument integration
Tetrahydrofuran	109-99-9		3.25	Missed peak
2-Butanone (MEK)	78-93-3		3.31	Poor instrument integration
Isobutyl Alcohol	78-83-1		3.55	Poor instrument integration
1,4-Dioxane	123-91-1		4.27	Missed peak
1,2-Dibromoethane	106-93-4		5.29	Poor instrument integration
1-Chlorohexane	544-10-5		5.63	Poor instrument integration
Bromoform	75-25-2		6.10	Poor instrument integration
1,2,3-Trichloropropane	96-18-4		6.70	Missed peak
Cyclohexanone	108-94-1		6.75	Poor instrument integration
trans-1,4-Dichloro-2-Butene	110-57-6		6.75	Missed peak
Pentachloroethane	76-01-7		6.97	Missed peak
Benzyl Chloride	100-44-7		7.52	Missed peak

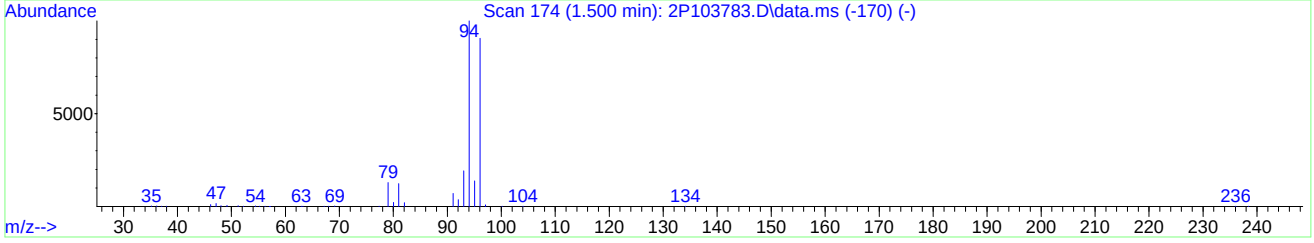
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104189.D
Acq On : 7 Feb 2024 8:55 am
Operator : LIANAT
Sample : IC3959-1 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 07 12:16:36 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration







TIC: 2P104189.D\data.ms

(6) Bromomethane ( )

1.502min (-0.001) 1.88ug/L

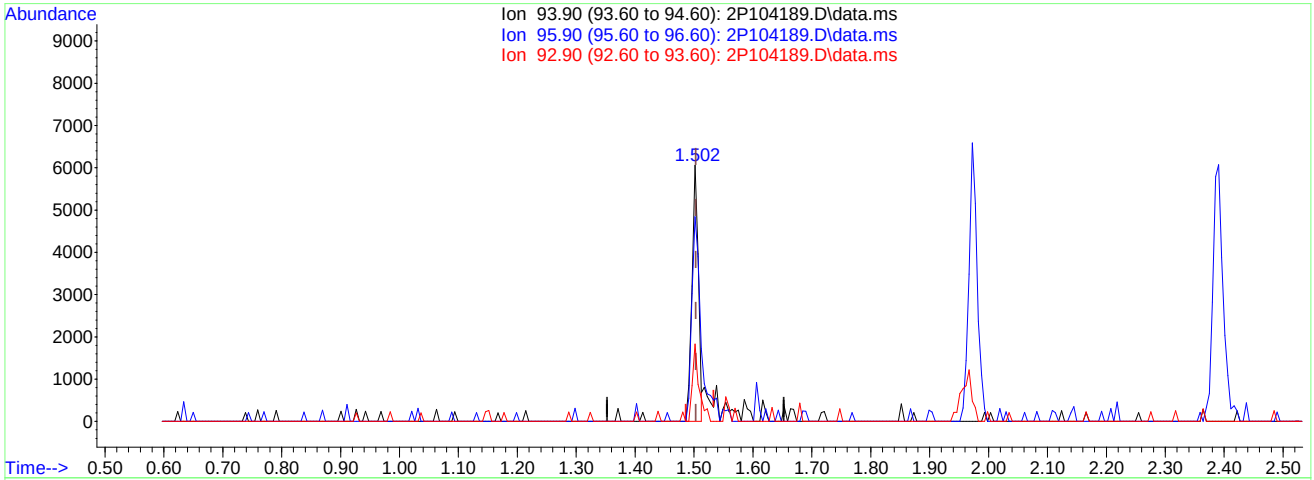
response 4834

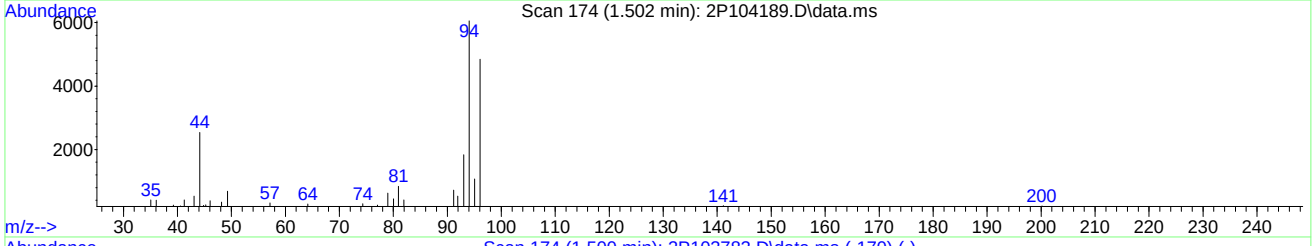
Ion	Exp%	Act%
93.90	100	100
95.90	92.40	79.98
92.90	19.80	30.25
0.00	0.00	0.00

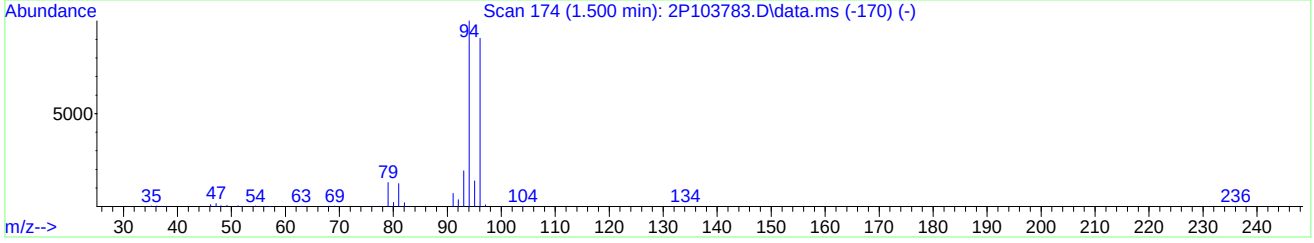
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104189.D
Acq On : 7 Feb 2024 8:55 am
Operator : LIANAT
Sample : IC3959-1 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 07 12:16:36 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration







TIC: 2P104189.D\data.ms

(6) Bromomethane ( )

1.502min (-0.001) 1.80ug/L m

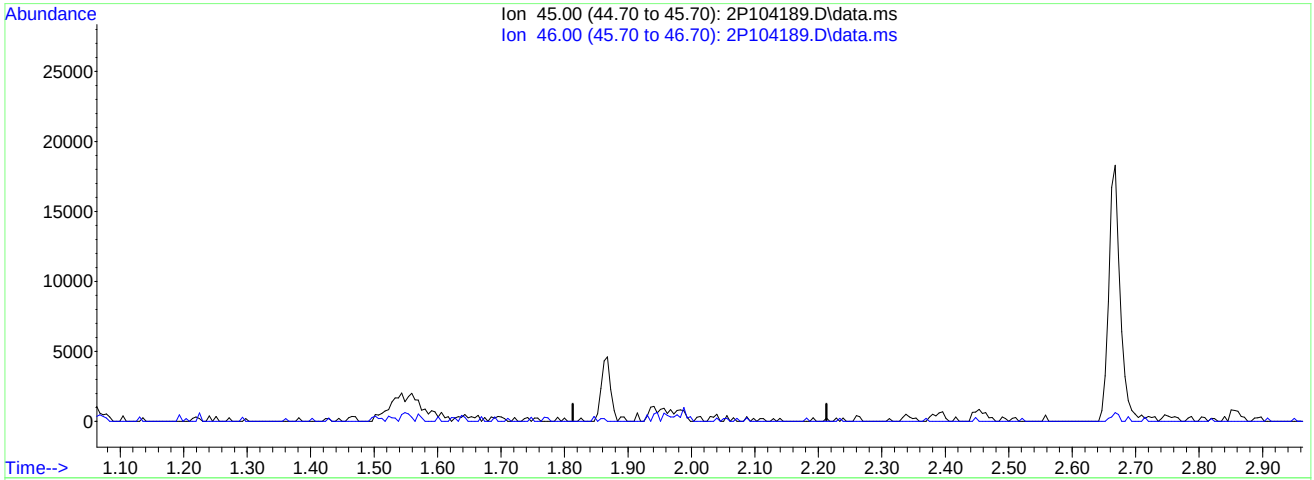
response 4626

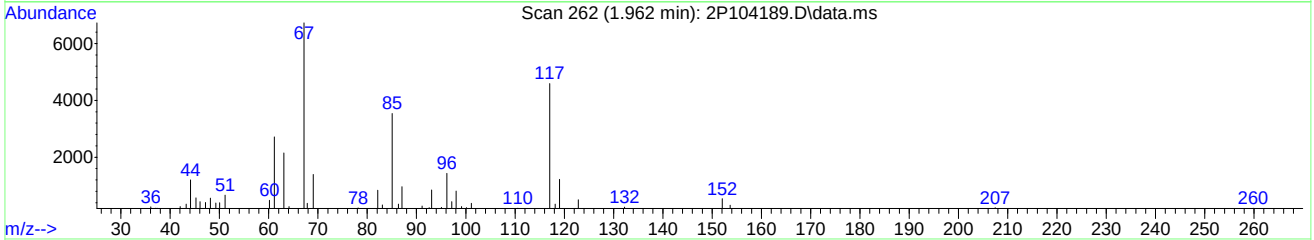
Ion	Exp%	Act%
93.90	100	100
95.90	92.40	79.98
92.90	19.80	30.25
0.00	0.00	0.00

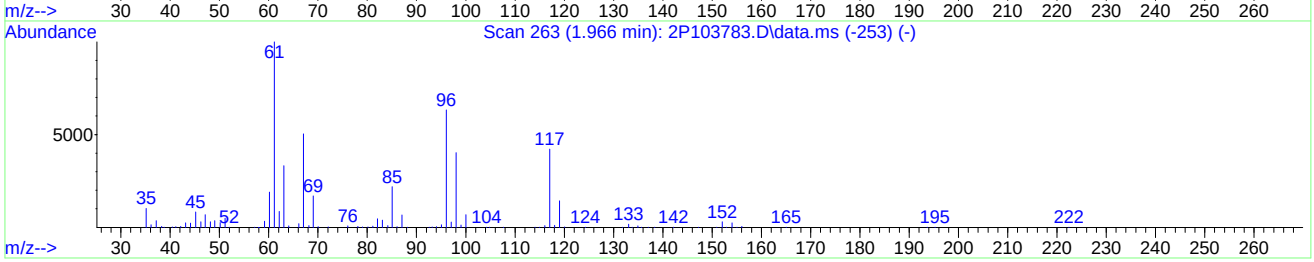
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104189.D
Acq On : 7 Feb 2024 8:55 am
Operator : LIANAT
Sample : IC3959-1 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 07 12:16:36 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration







TIC: 2P104189.D\data.ms

(10) Ethanol

1.963min (-1.963) 0.00ug/L

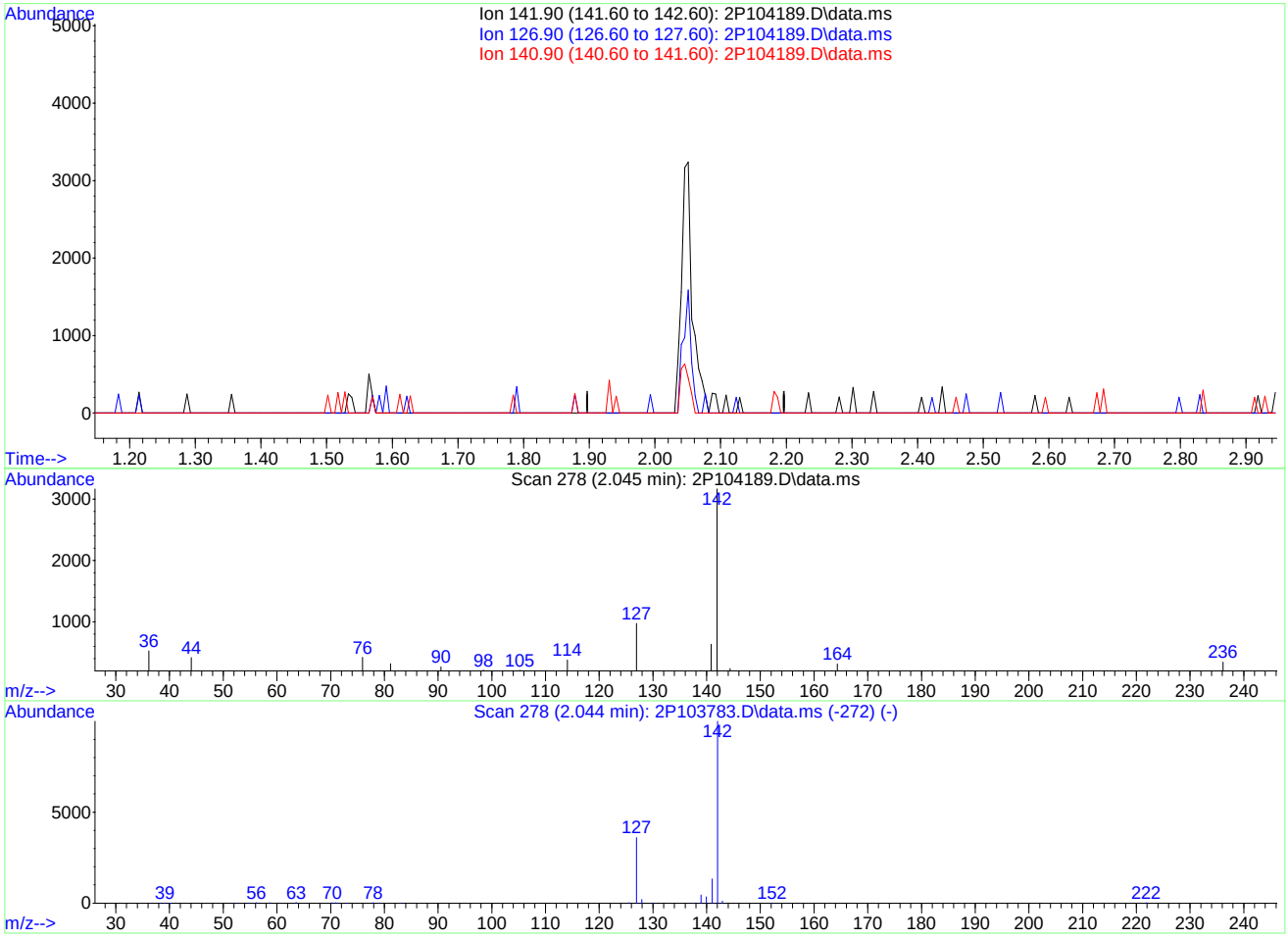
response 0

Ion	Exp%	Act%
45.00	100	0.00
46.00	38.40	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104189.D
Acq On : 7 Feb 2024 8:55 am
Operator : LIANAT
Sample : IC3959-1 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 07 12:16:36 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration



TIC: 2P104189.D\data.ms

(15) Iodomethane

2.047min (-2.047) 0.00ug/L

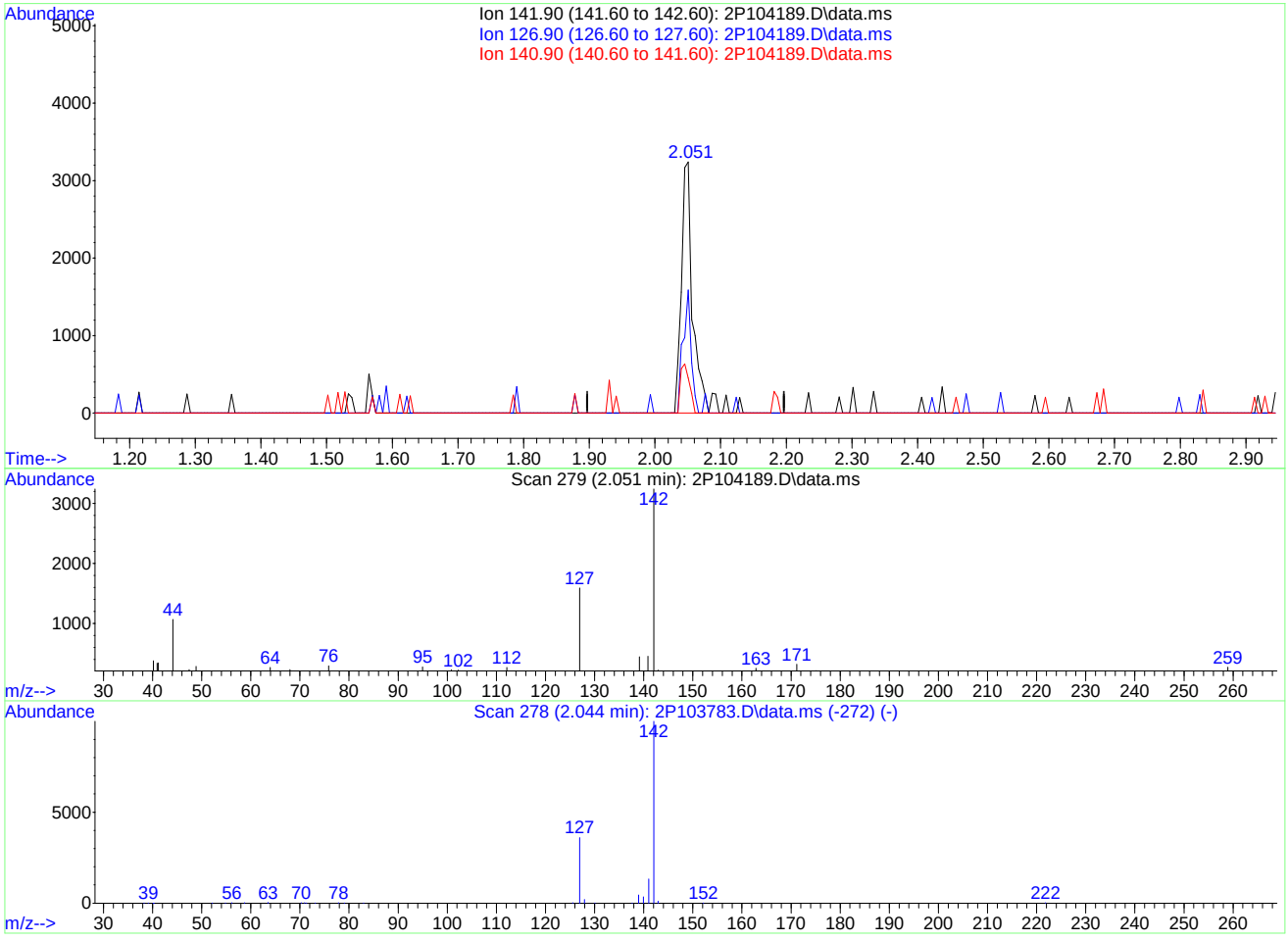
response 0

Ion	Exp%	Act%
141.90	100	0.00
126.90	39.20	0.00#
140.90	13.60	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104189.D
Acq On : 7 Feb 2024 8:55 am
Operator : LIANAT
Sample : IC3959-1 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 07 12:16:36 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration



TIC: 2P104189.D\data.ms

(15) Iodomethane

2.051min (+0.004) 1.04ug/L m

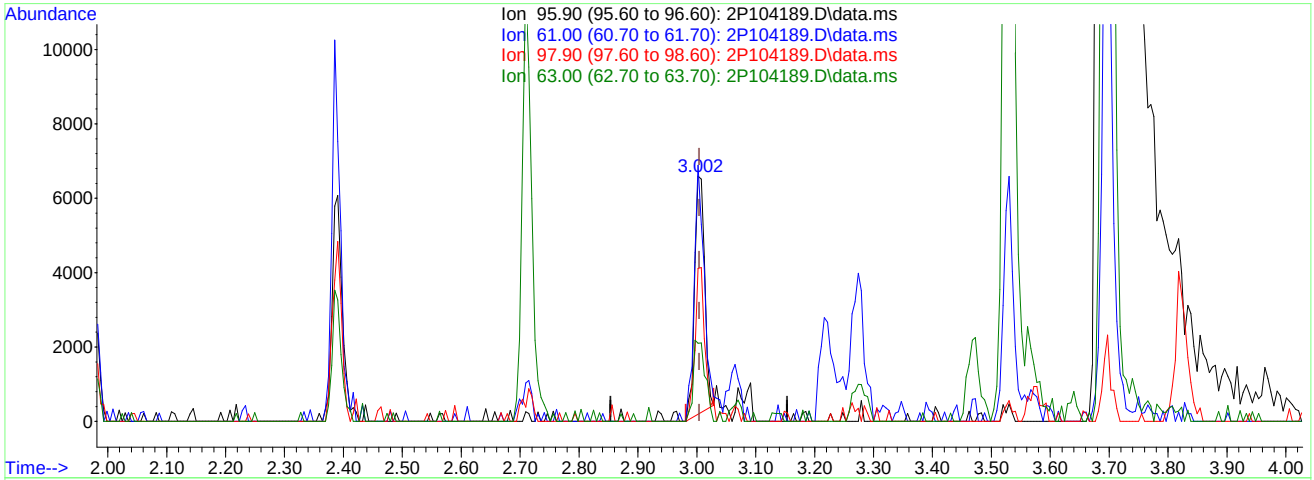
response 3778

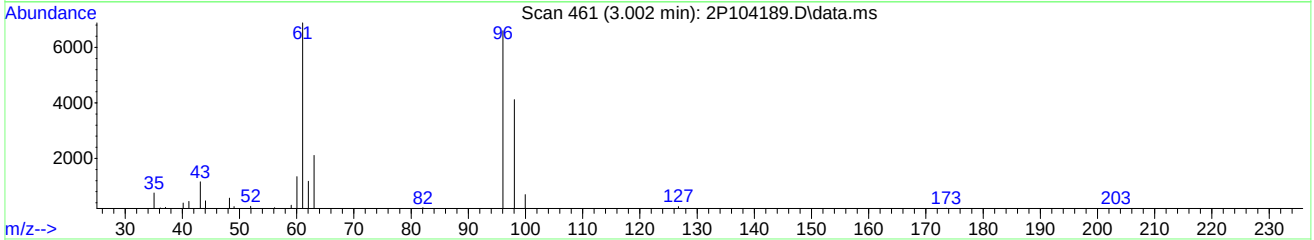
Ion	Exp%	Act%
141.90	100	100
126.90	39.20	49.04
140.90	13.60	14.01
0.00	0.00	0.00

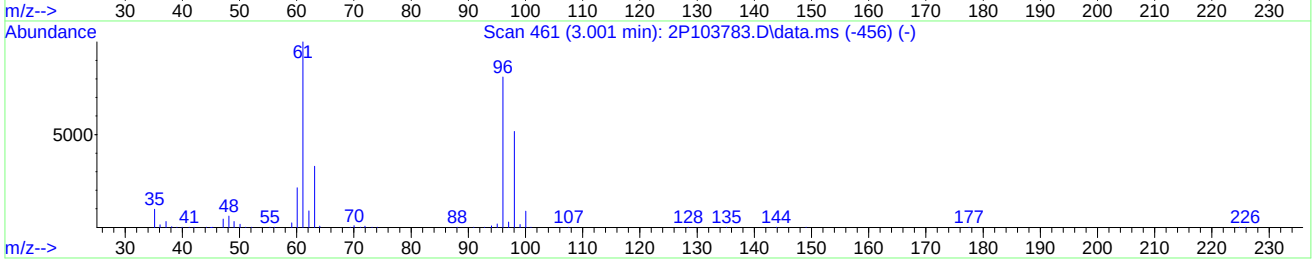
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104189.D
Acq On : 7 Feb 2024 8:55 am
Operator : LIANAT
Sample : IC3959-1 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 07 12:16:36 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration







TIC: 2P104189.D\data.ms

(32) cis-1,2-Dichloroethene ( )

3.002min (-0.002) 1.21ug/L

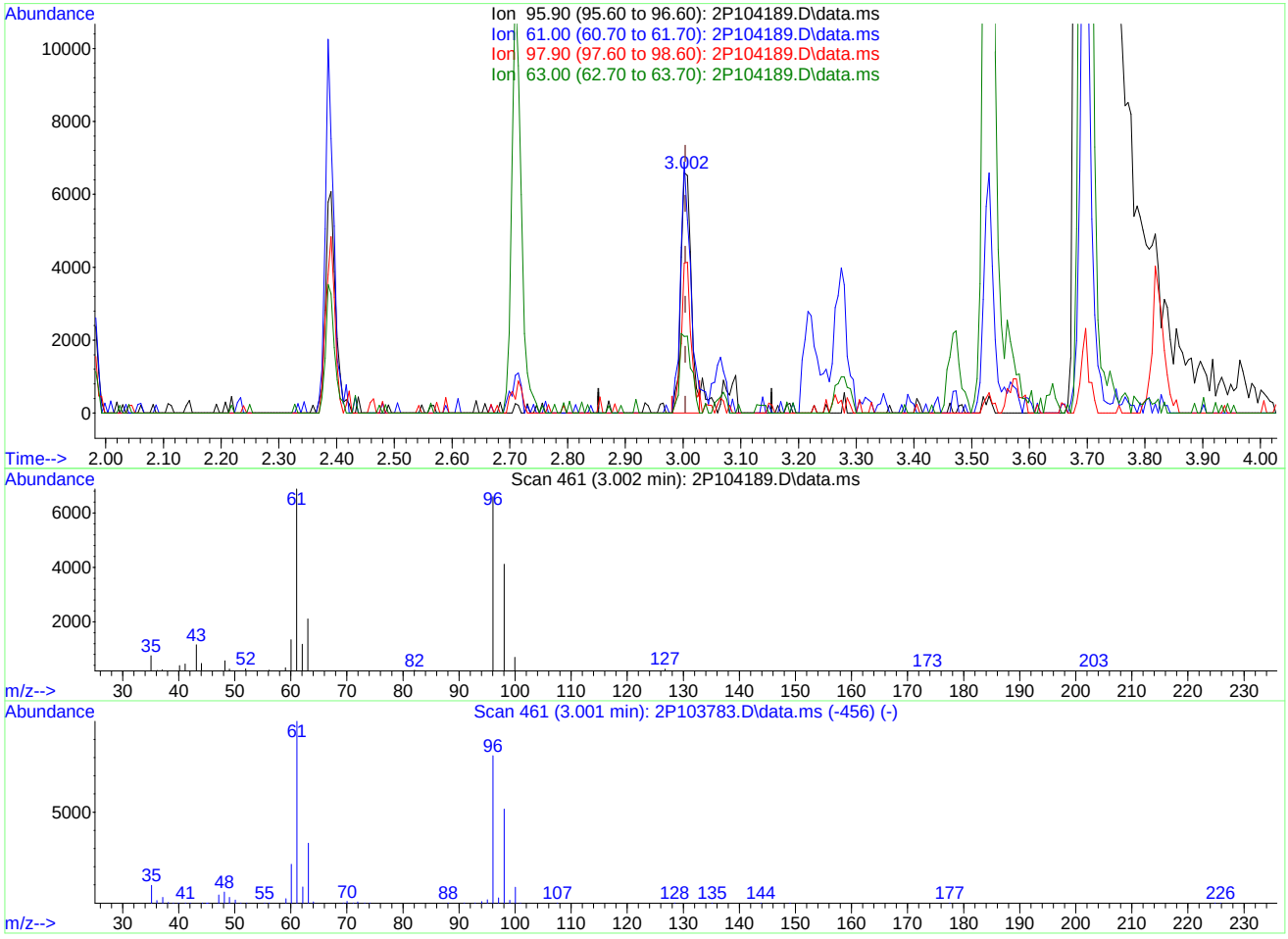
response 7616

Ion	Exp%	Act%
95.90	100	100
61.00	118.10	104.41
97.90	63.30	62.37
63.00	37.30	31.90

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104189.D
Acq On : 7 Feb 2024 8:55 am
Operator : LIANAT
Sample : IC3959-1 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 07 12:16:36 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration



TIC: 2P104189.D\data.ms

(32) cis-1,2-Dichloroethene ( )

3.002min (-0.002) 1.31ug/L m

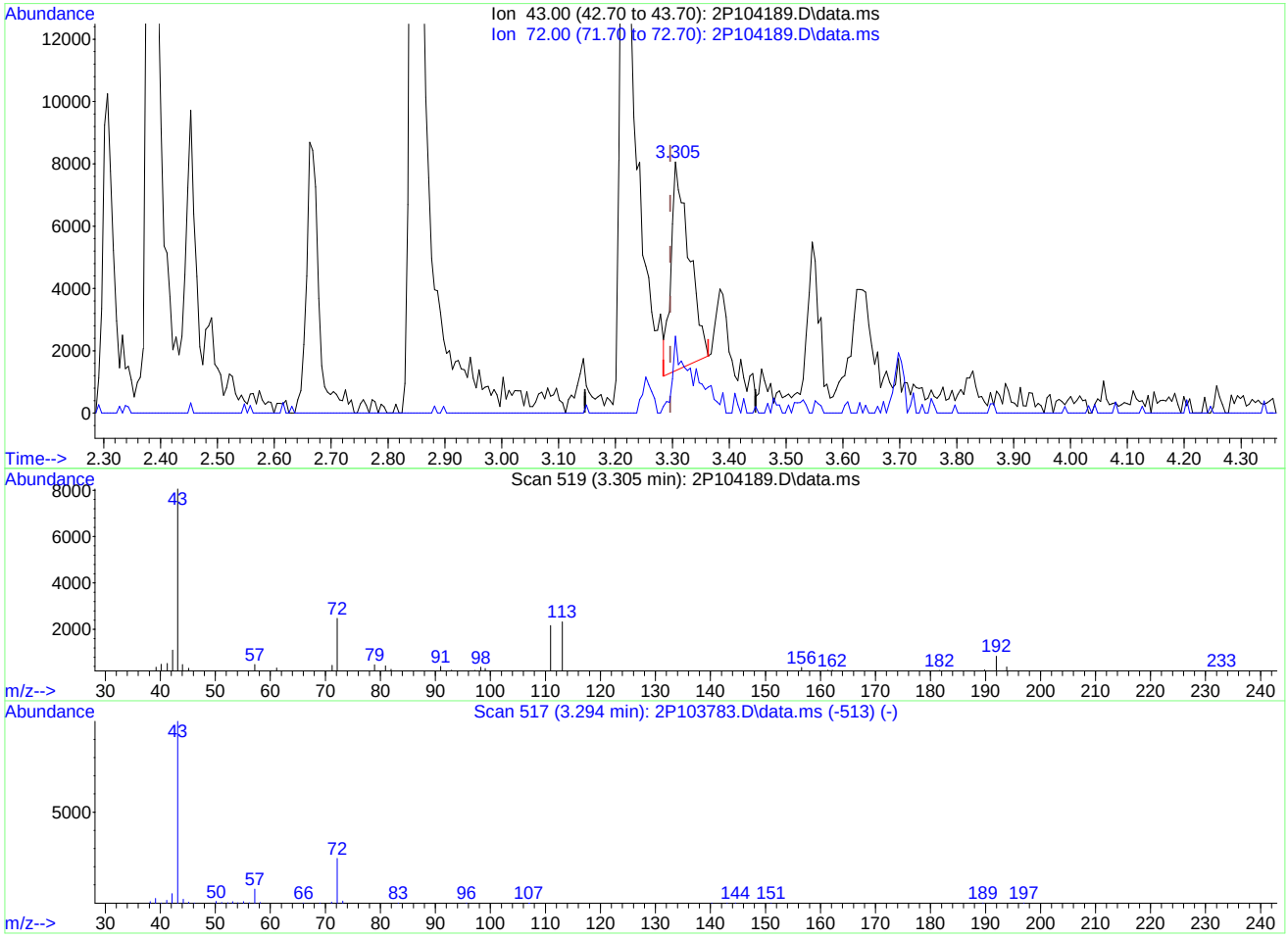
response 8230

Ion	Exp%	Act%
95.90	100	100
61.00	118.10	104.41
97.90	63.30	62.37
63.00	37.30	31.90

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104189.D
Acq On : 7 Feb 2024 8:55 am
Operator : LIANAT
Sample : IC3959-1 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 07 12:16:36 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration



TIC: 2P104189.D\data.ms

(42) 2-Butanone

3.305min (+0.009) 2.77ug/L

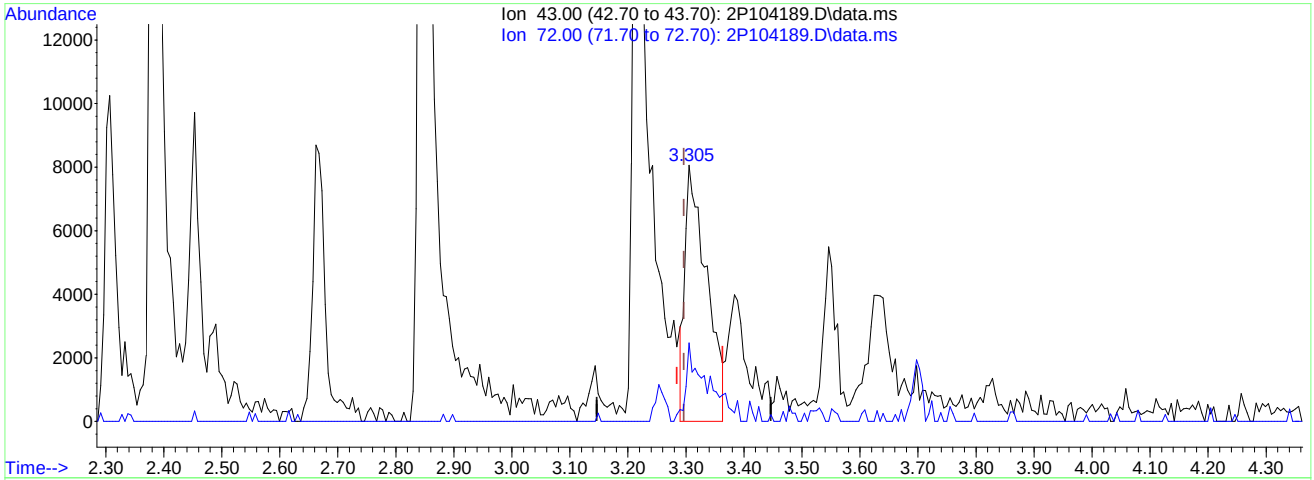
response 14649

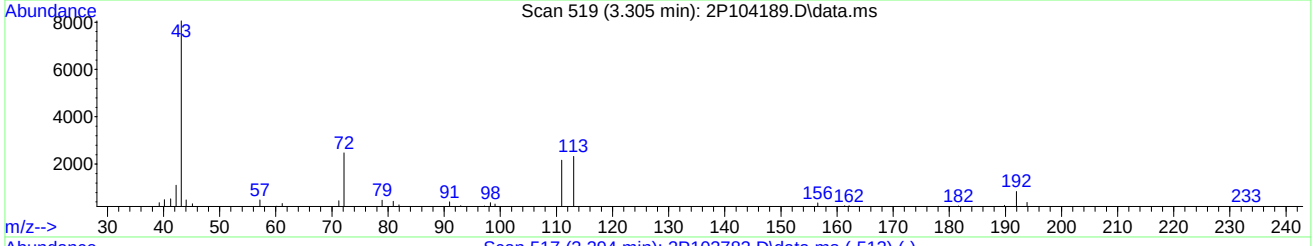
Ion	Exp%	Act%
43.00	100	100
72.00	26.70	36.25
0.00	0.00	0.00
0.00	0.00	0.00

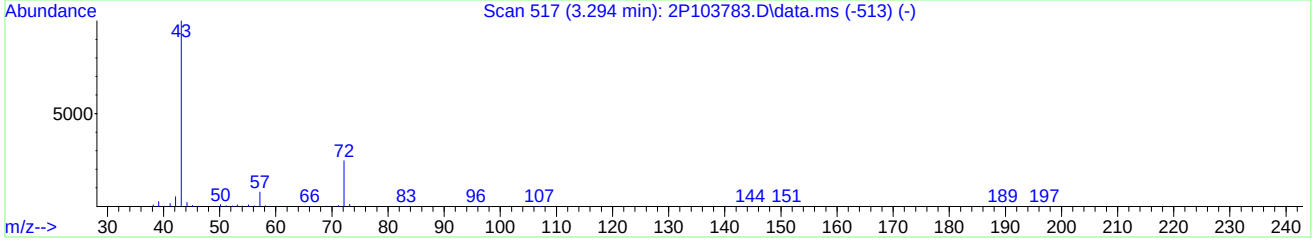
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104189.D
Acq On : 7 Feb 2024 8:55 am
Operator : LIANAT
Sample : IC3959-1 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 07 12:16:36 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration







TIC: 2P104189.D\data.ms

(42) 2-Butanone

3.305min (+0.009) 3.94ug/L m

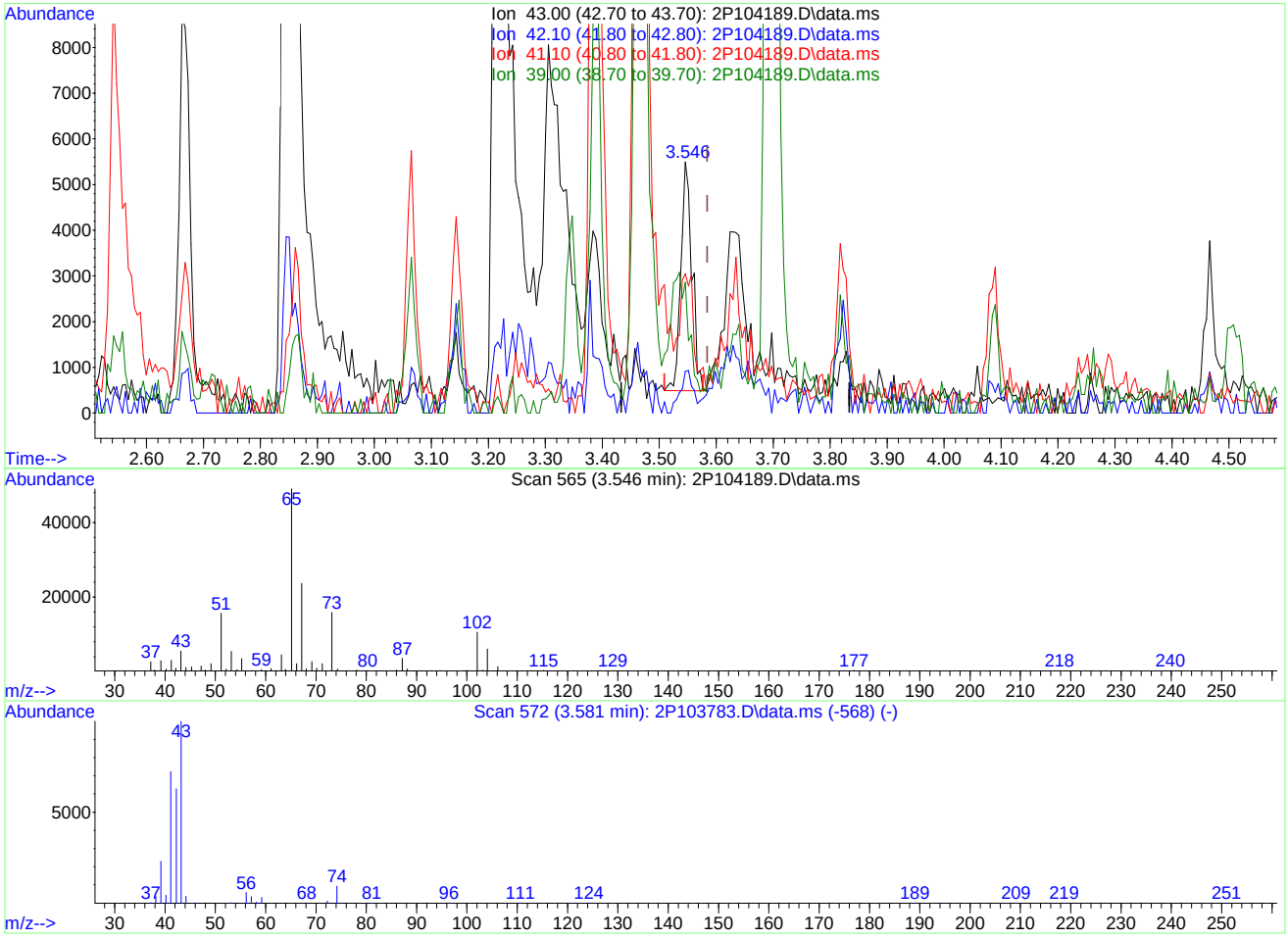
response 20820

Ion	Exp%	Act%
43.00	100	100
72.00	26.70	30.69
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104189.D
Acq On : 7 Feb 2024 8:55 am
Operator : LIANAT
Sample : IC3959-1 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 07 12:16:36 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration



TIC: 2P104189.D\data.ms

(50) Isobutyl alcohol

3.546min (-0.038) 13.62ug/L

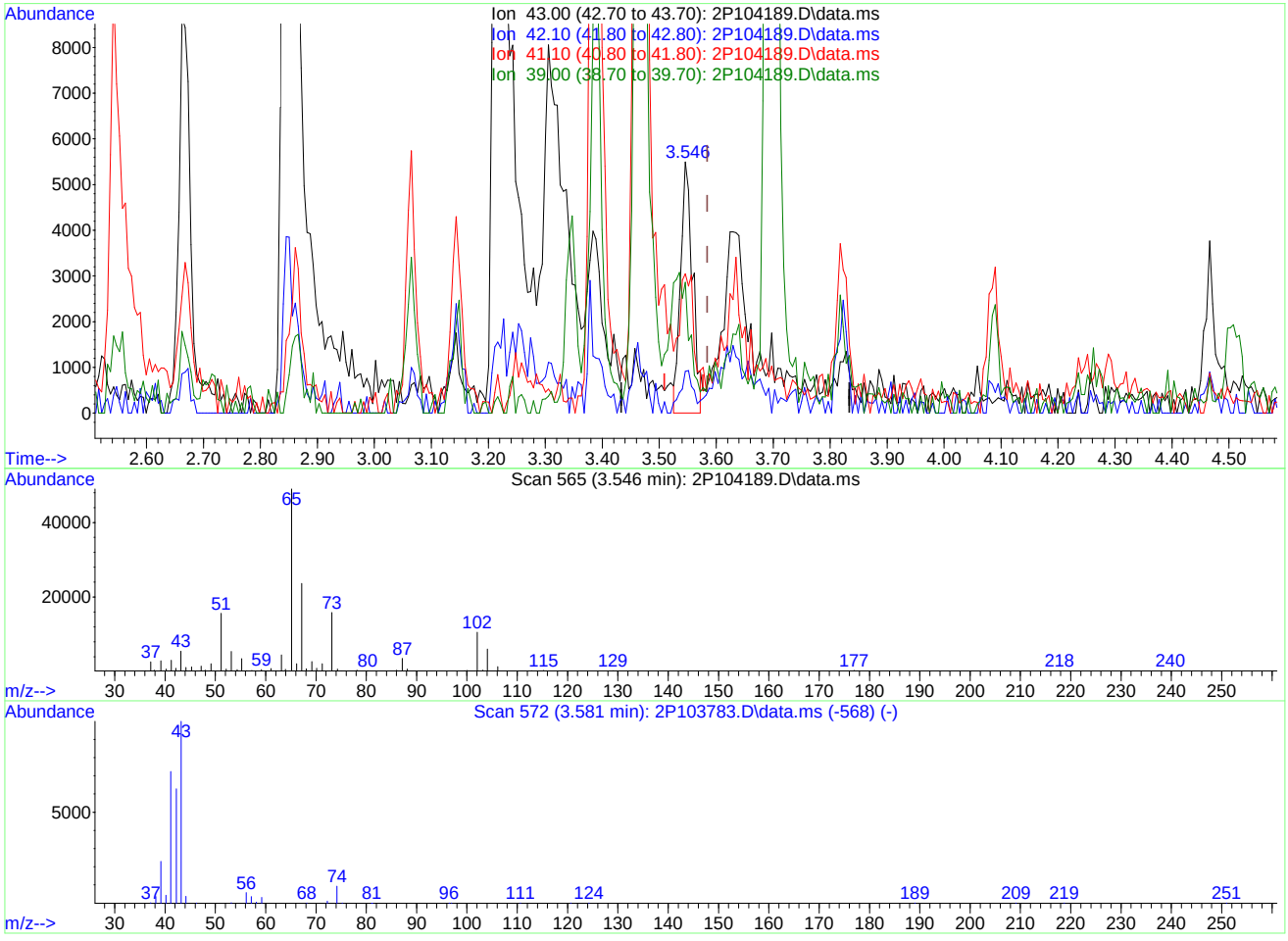
response 6742

Ion	Exp%	Act%
43.00	100	100
42.10	61.30	13.30
41.10	74.10	40.93
39.00	25.90	46.04

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104189.D
Acq On : 7 Feb 2024 8:55 am
Operator : LIANAT
Sample : IC3959-1 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 07 12:16:36 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration



TIC: 2P104189.D\data.ms

(50) Isobutyl alcohol

3.546min (-0.038) 16.19ug/L m

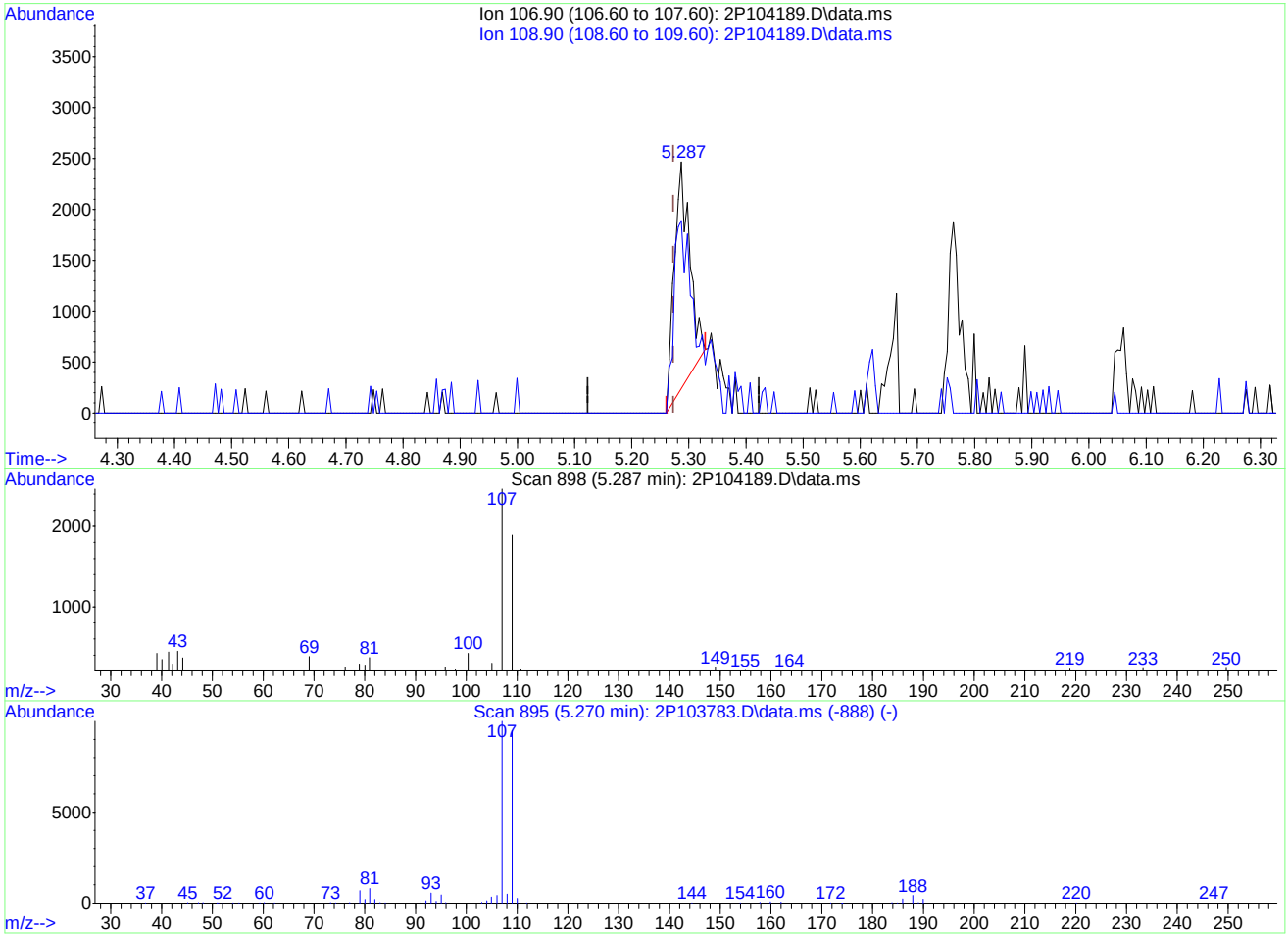
response 8012

Ion	Exp%	Act%
43.00	100	100
42.10	61.30	16.60
41.10	74.10	55.49
39.00	25.90	52.10#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104189.D
Acq On : 7 Feb 2024 8:55 am
Operator : LIANAT
Sample : IC3959-1 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 07 12:16:36 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration



TIC: 2P104189.D\data.ms

(73) 1,2-Dibromoethane ( )

5.287min (+0.014) 0.79ug/L

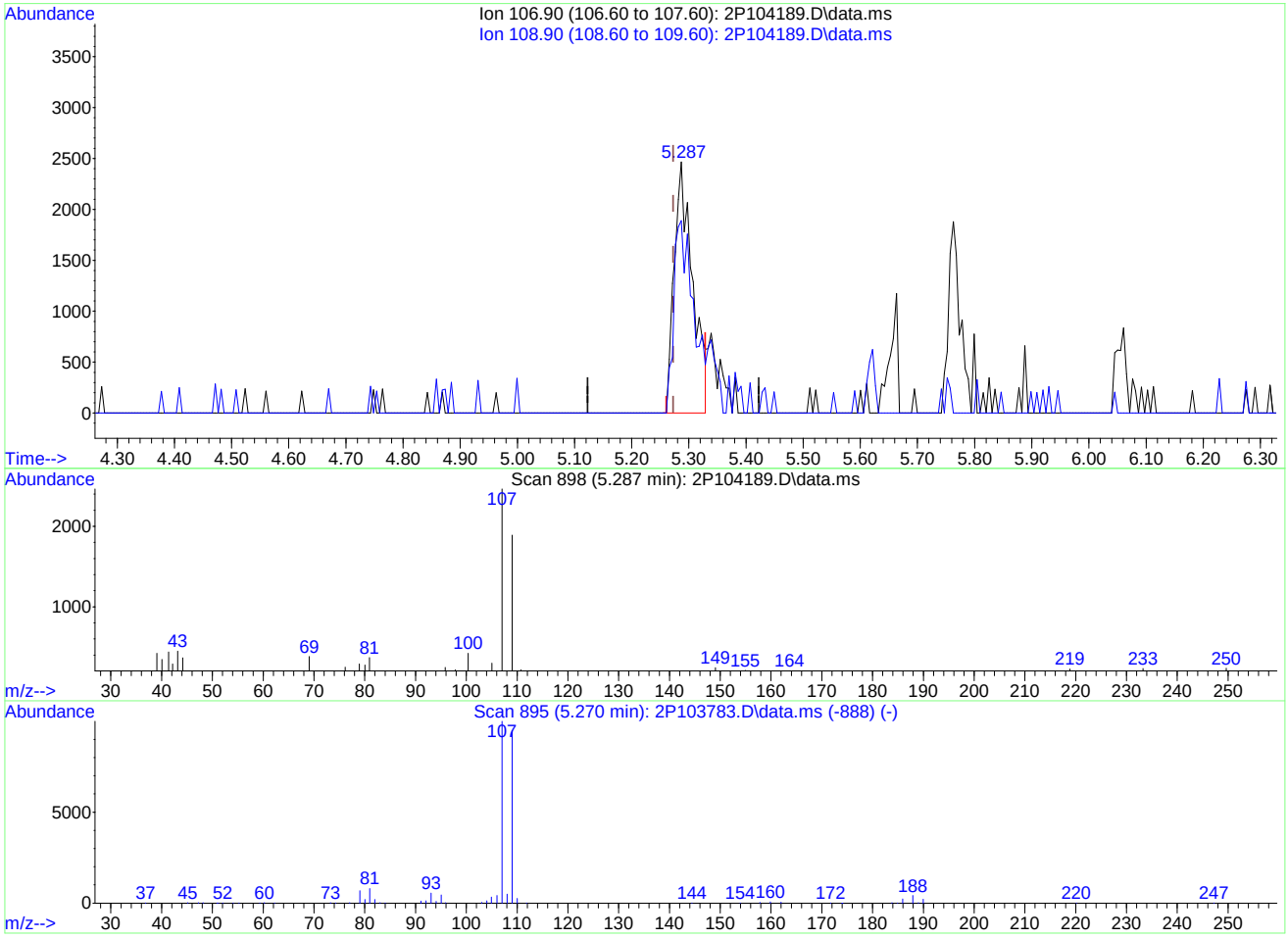
response 4221

Ion	Exp%	Act%
106.90	100	100
108.90	93.10	76.63
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104189.D
Acq On : 7 Feb 2024 8:55 am
Operator : LIANAT
Sample : IC3959-1 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 07 12:16:36 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration



TIC: 2P104189.D\data.ms

(73) 1,2-Dibromoethane ( )

5.287min (+0.014) 1.03ug/L m

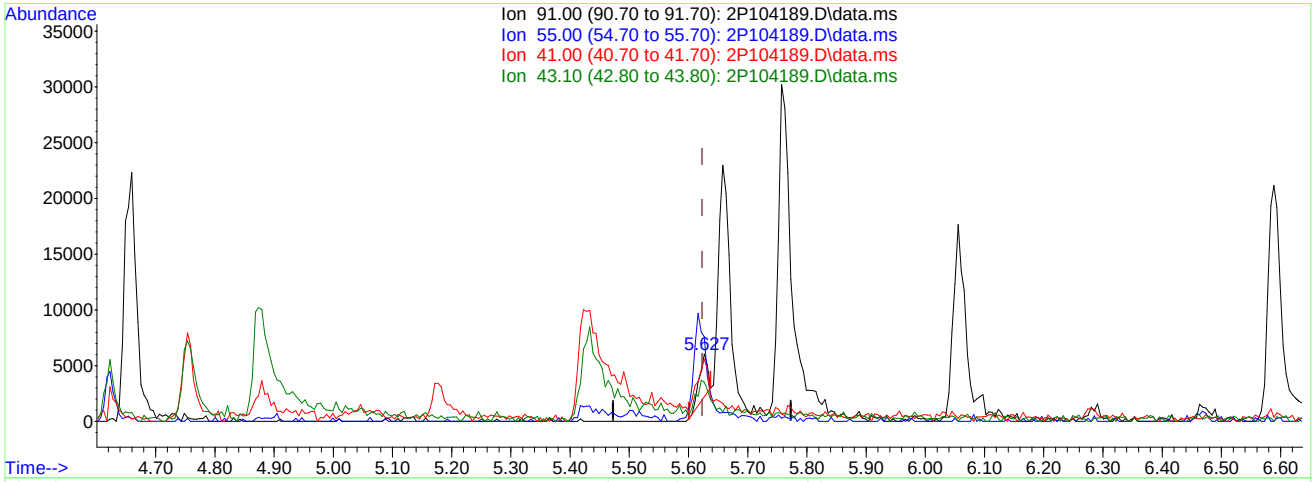
response 5499

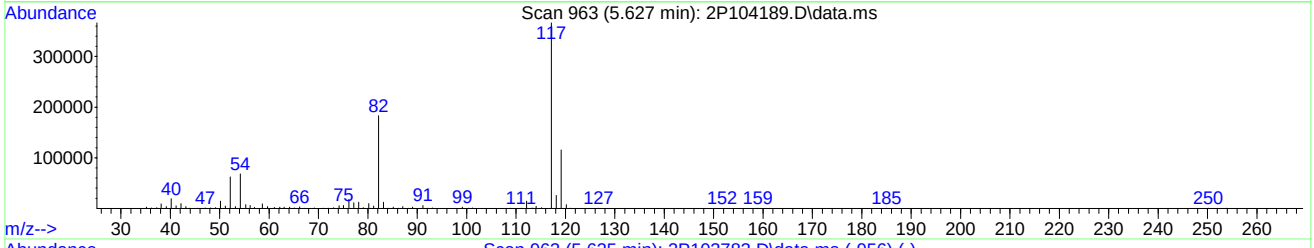
Ion	Exp%	Act%
106.90	100	100
108.90	93.10	76.63
0.00	0.00	0.00
0.00	0.00	0.00

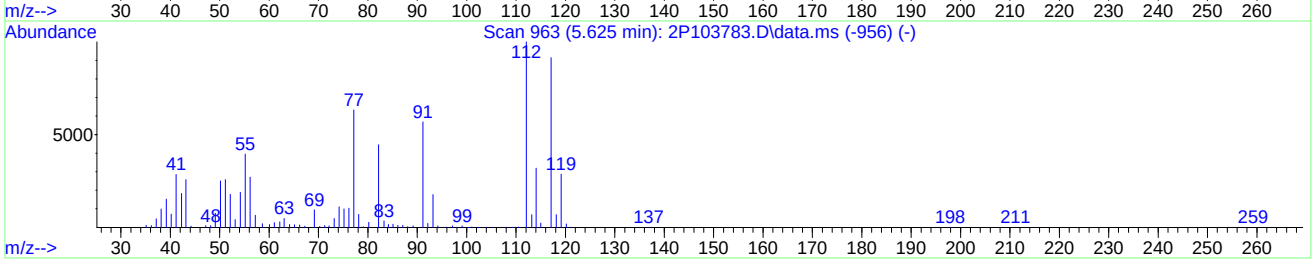
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104189.D
Acq On : 7 Feb 2024 8:55 am
Operator : LIANAT
Sample : IC3959-1 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 07 12:16:36 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration







TIC: 2P104189.D\data.ms

(76) 1-Chlorohexane

5.627min (+0.004) 0.56ug/L

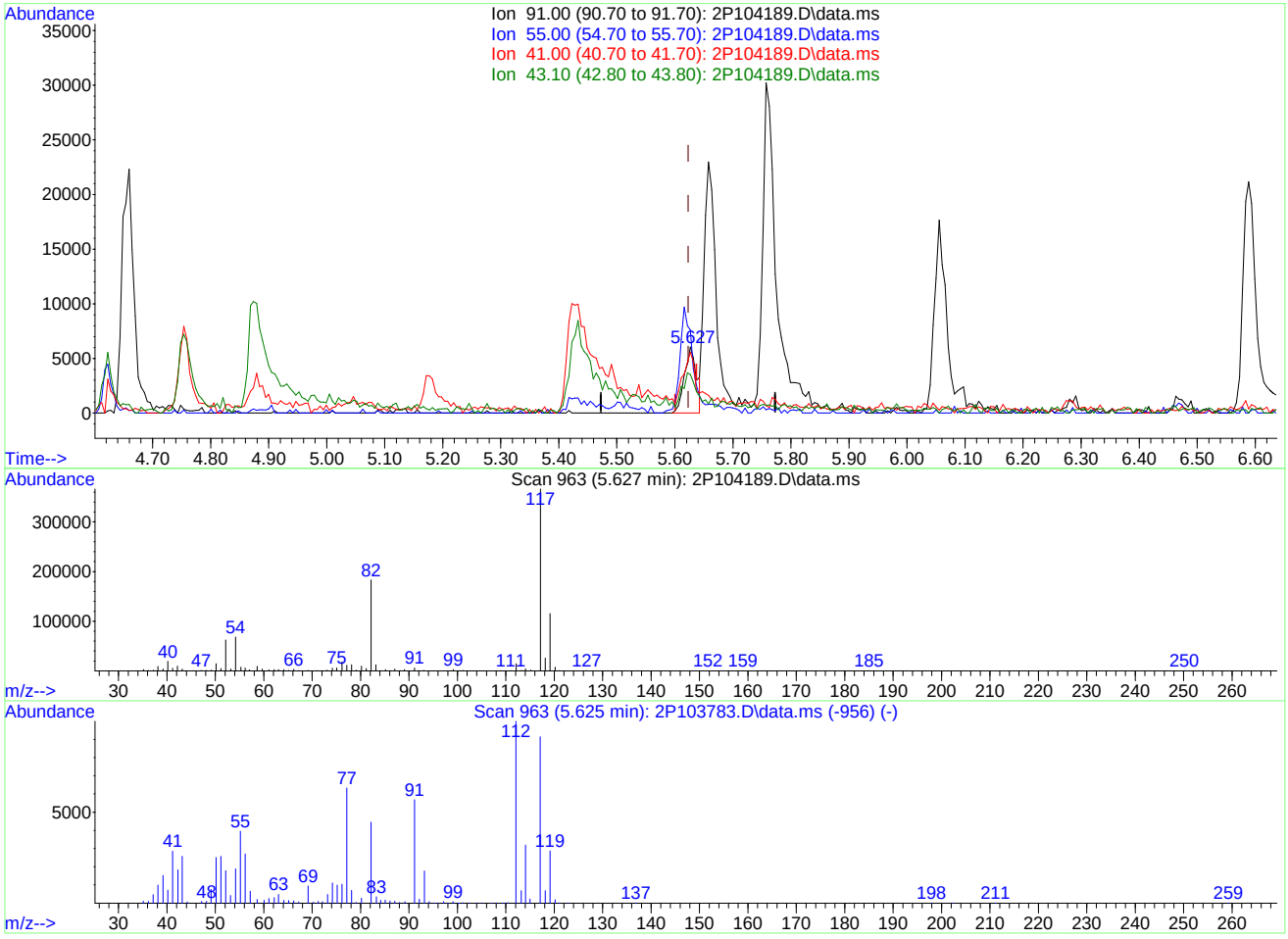
response 4243

Ion	Exp%	Act%
91.00	100	100
55.00	75.40	112.84#
41.00	56.40	80.13#
43.10	46.70	51.32

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104189.D
Acq On : 7 Feb 2024 8:55 am
Operator : LIANAT
Sample : IC3959-1 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 07 12:16:36 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration



TIC: 2P104189.D\data.ms

(76) 1-Chlorohexane

5.627min (+0.004) 1.17ug/L m

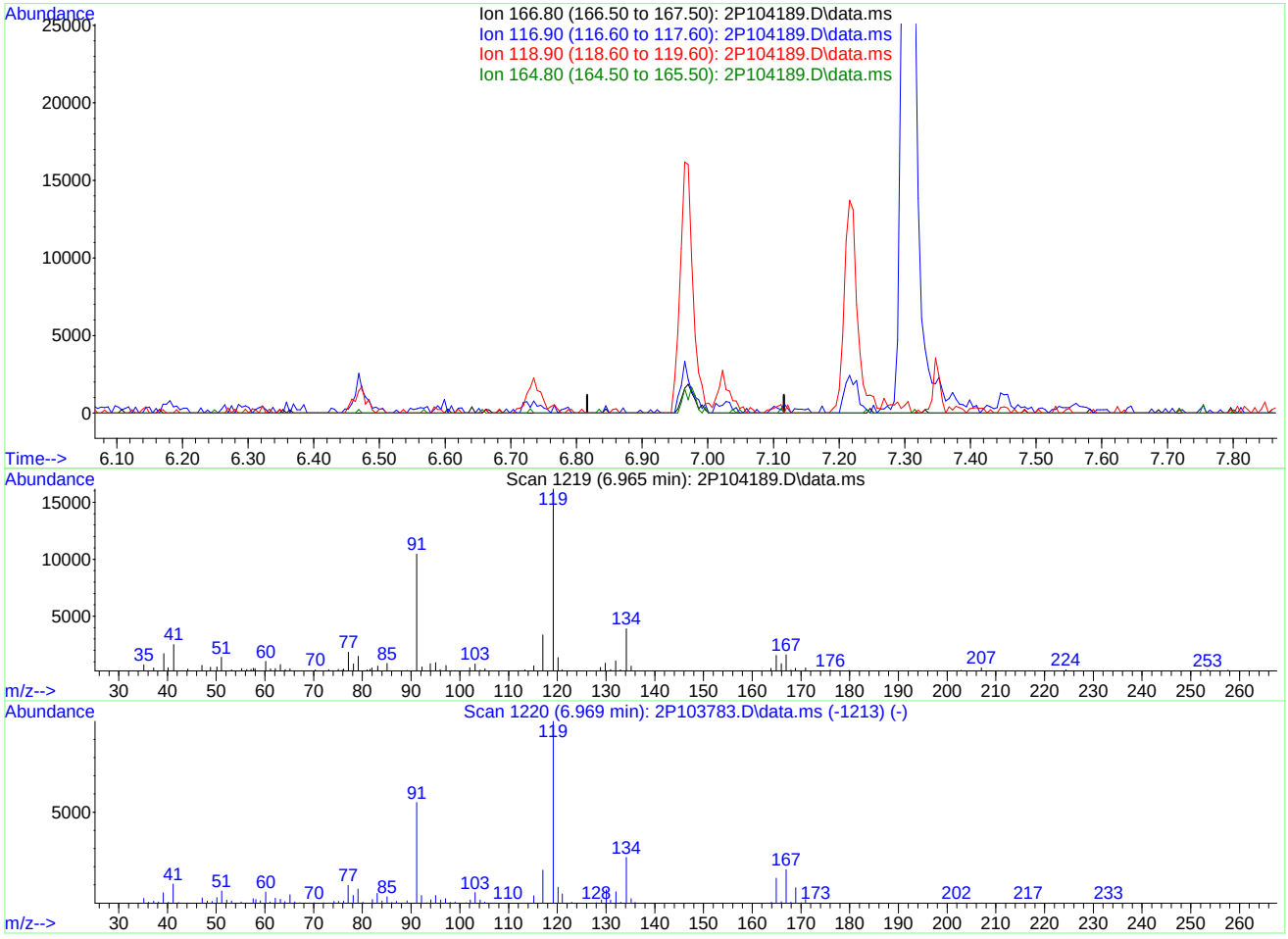
response 8821

Ion	Exp%	Act%
91.00	100	100
55.00	75.40	125.75#
41.00	56.40	92.10#
43.10	46.70	58.08

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104189.D
Acq On : 7 Feb 2024 8:55 am
Operator : LIANAT
Sample : IC3959-1 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 07 12:16:36 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration



TIC: 2P104189.D\data.ms

(100) Pentachloroethane ( )

6.967min (-6.967) 0.00ug/L

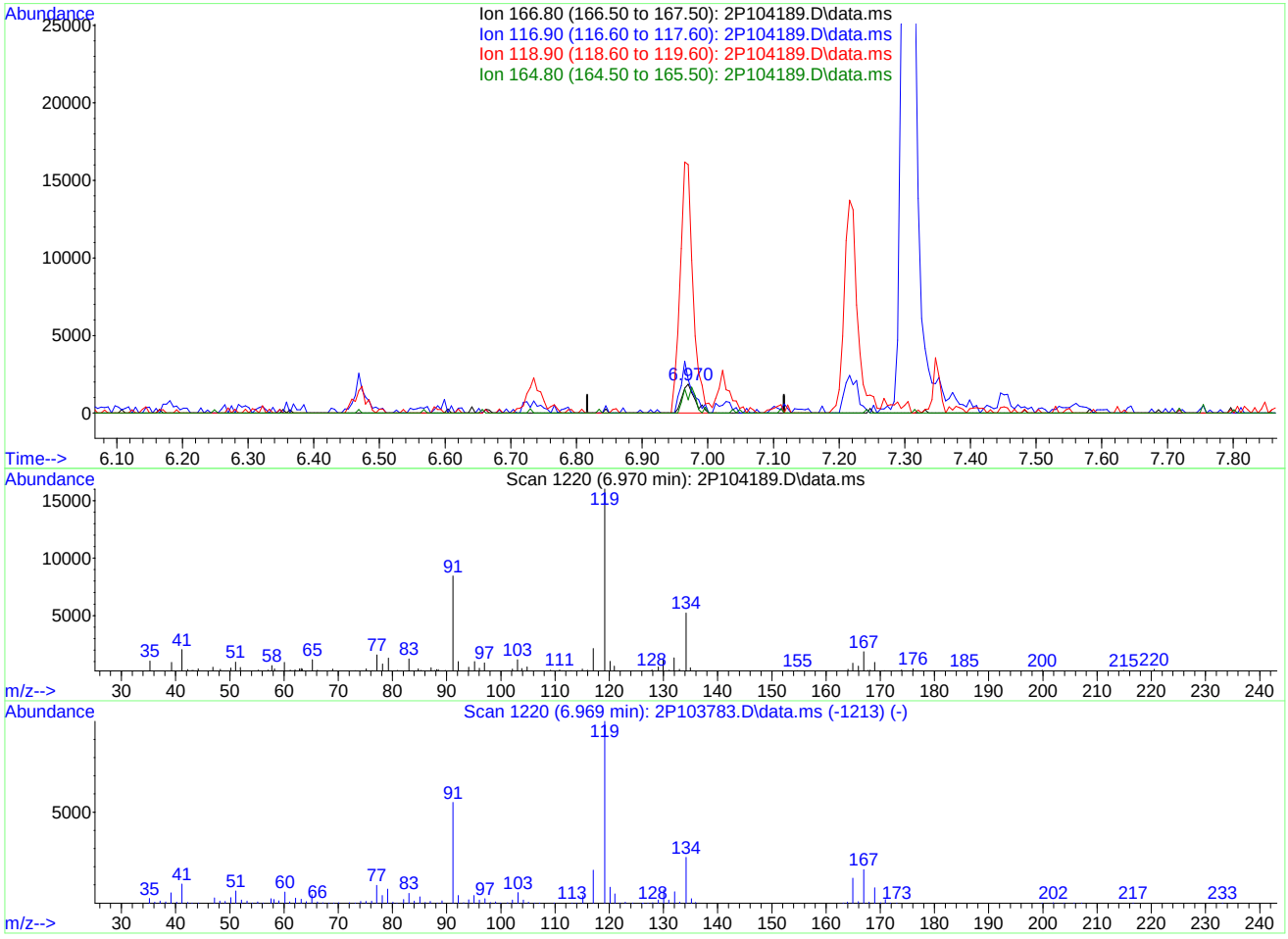
response 0

Ion	Exp%	Act%
166.80	100	0.00
116.90	107.50	0.00#
118.90	579.00	0.00#
164.80	79.40	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104189.D
Acq On : 7 Feb 2024 8:55 am
Operator : LIANAT
Sample : IC3959-1 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 07 12:16:36 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration



TIC: 2P104189.D\data.ms

(100) Pentachloroethane ( )

6.970min (+0.004) 0.84ug/L m

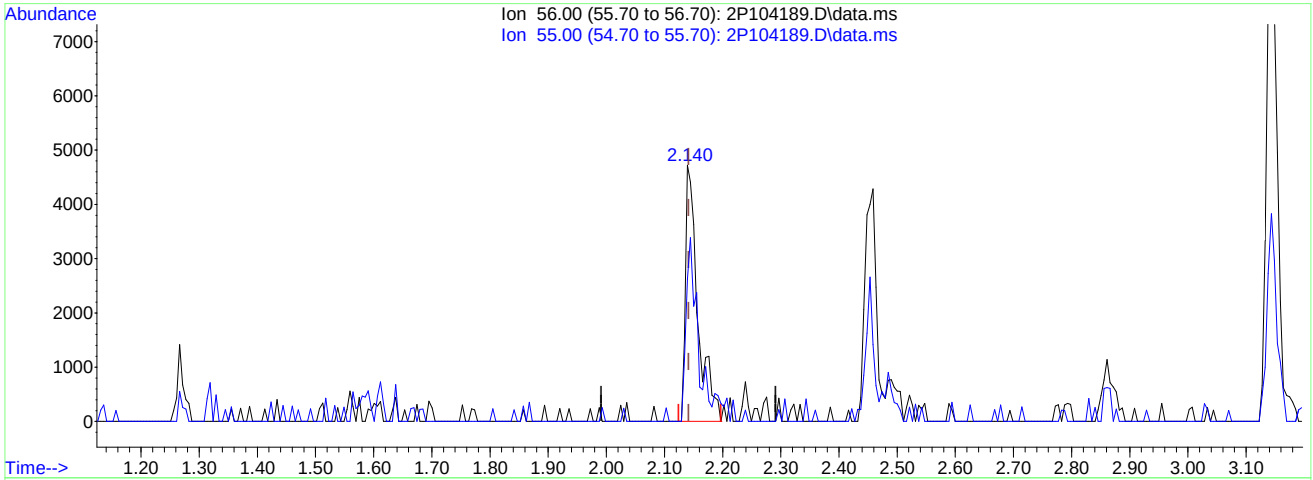
response 2464

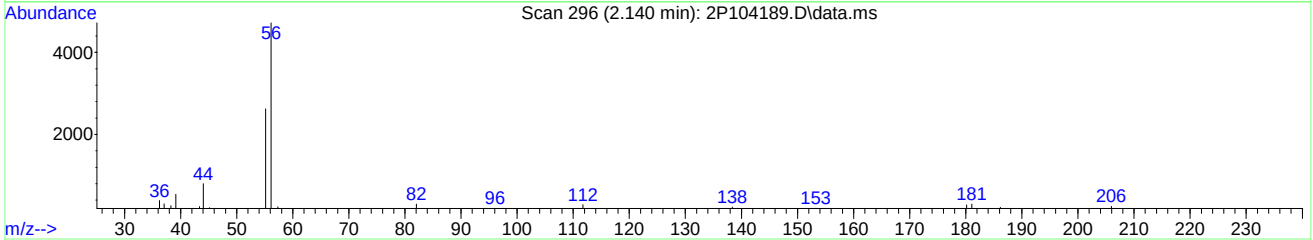
Ion	Exp%	Act%
166.80	100	100
116.90	107.50	115.36
118.90	579.00	860.58#
164.80	79.40	45.70#

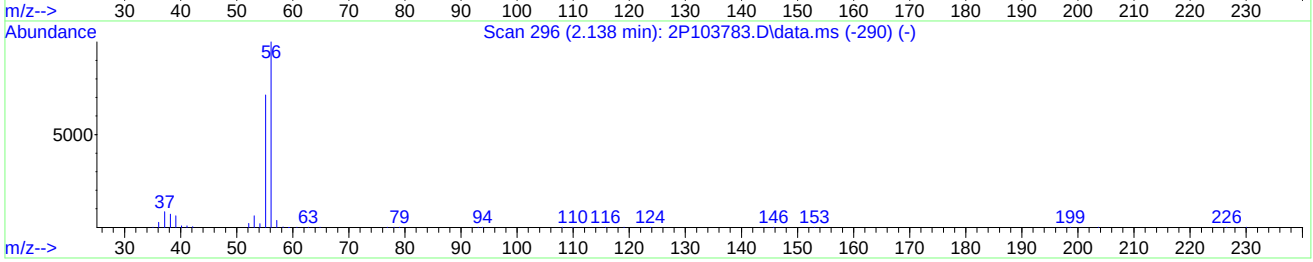
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104189.D
Acq On : 7 Feb 2024 8:55 am
Operator : LIANAT
Sample : IC3959-1 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 07 12:16:36 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration







TIC: 2P104189.D\data.ms

(16) Acrolein

2.140min (-0.002) 3.92ug/L

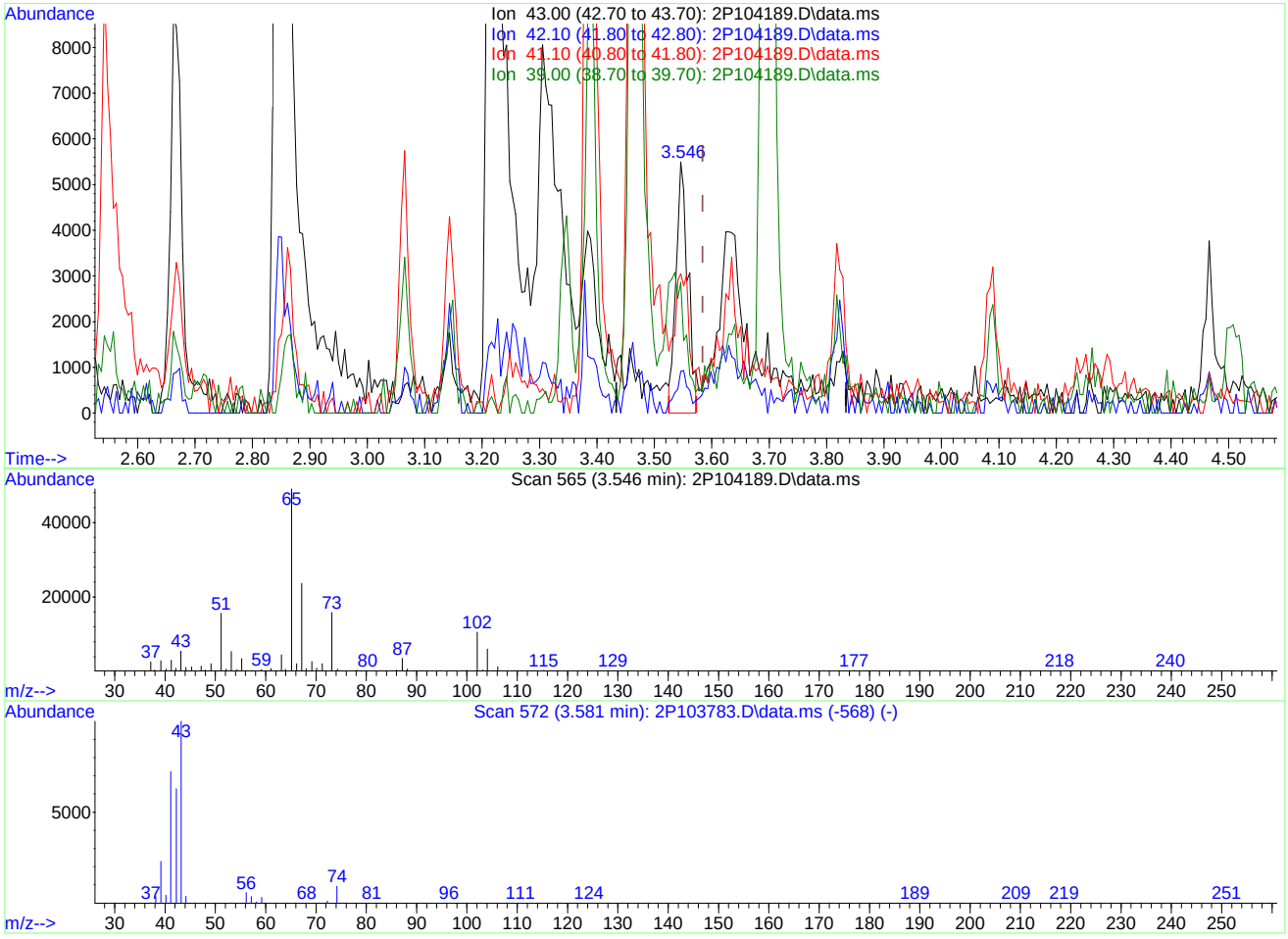
response 6941

Ion	Exp%	Act%
56.00	100	100
55.00	68.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104189.D
Acq On : 7 Feb 2024 8:55 am
Operator : LIANAT
Sample : IC3959-1 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 07 12:16:36 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration



TIC: 2P104189.D\data.ms

(50) Isobutyl alcohol

3.546min (-0.038) 16.19ug/L m

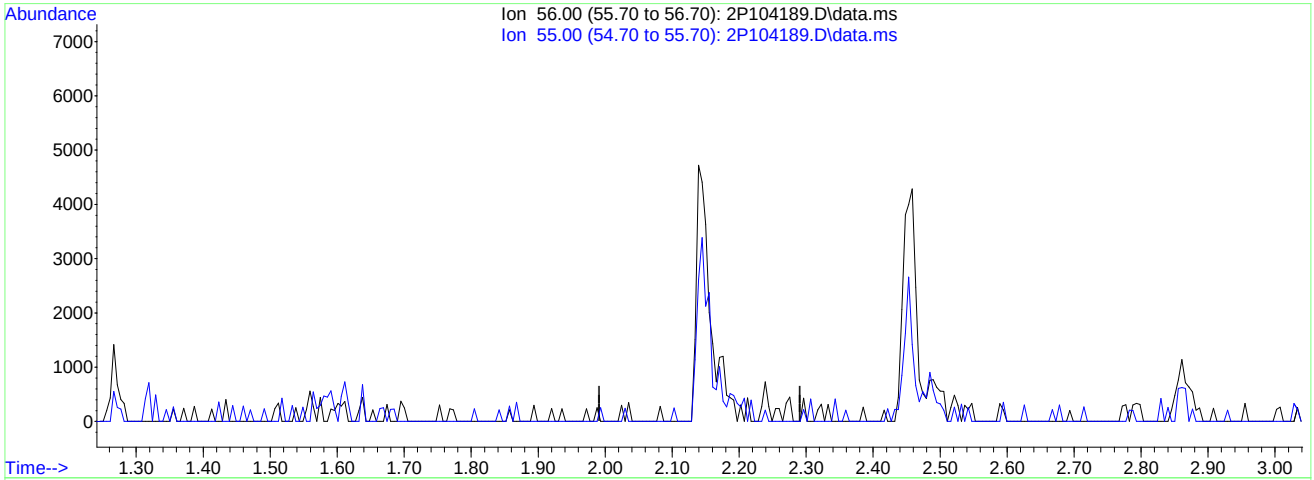
response 8012

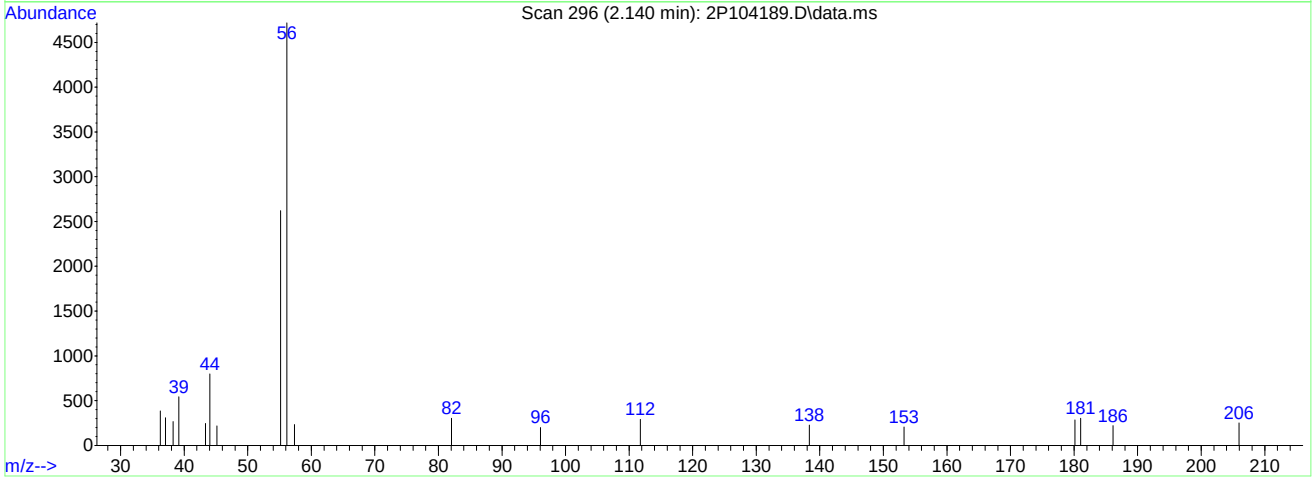
Ion	Exp%	Act%
43.00	100	100
42.10	61.30	16.60
41.10	74.10	55.49
39.00	25.90	52.10#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104189.D
Acq On : 7 Feb 2024 8:55 am
Operator : LIANAT
Sample : IC3959-1 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 07 12:37:12 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration





TIC: 2P104189.D\data.ms

(16) Acrolein

2.141min 0.00ug/L d

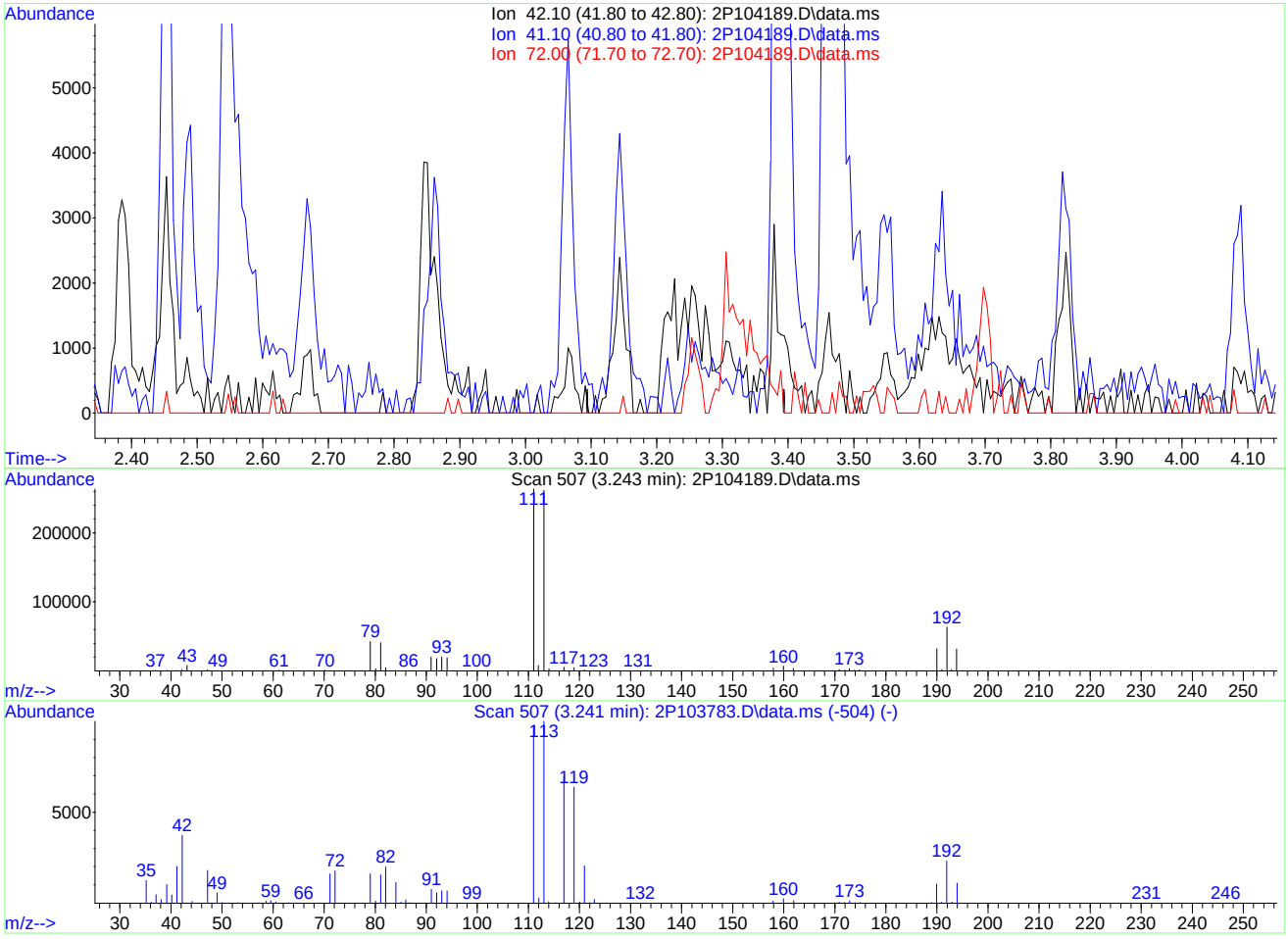
response 0

Ion	Exp%	Act%
56.00	100	0.00
55.00	68.30	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104189.D
Acq On : 7 Feb 2024 8:55 am
Operator : LIANAT
Sample : IC3959-1 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 07 12:37:12 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration



TIC: 2P104189.D\data.ms

(38) Tetrahydrofuran

3.244min (-3.244) 0.00ug/L

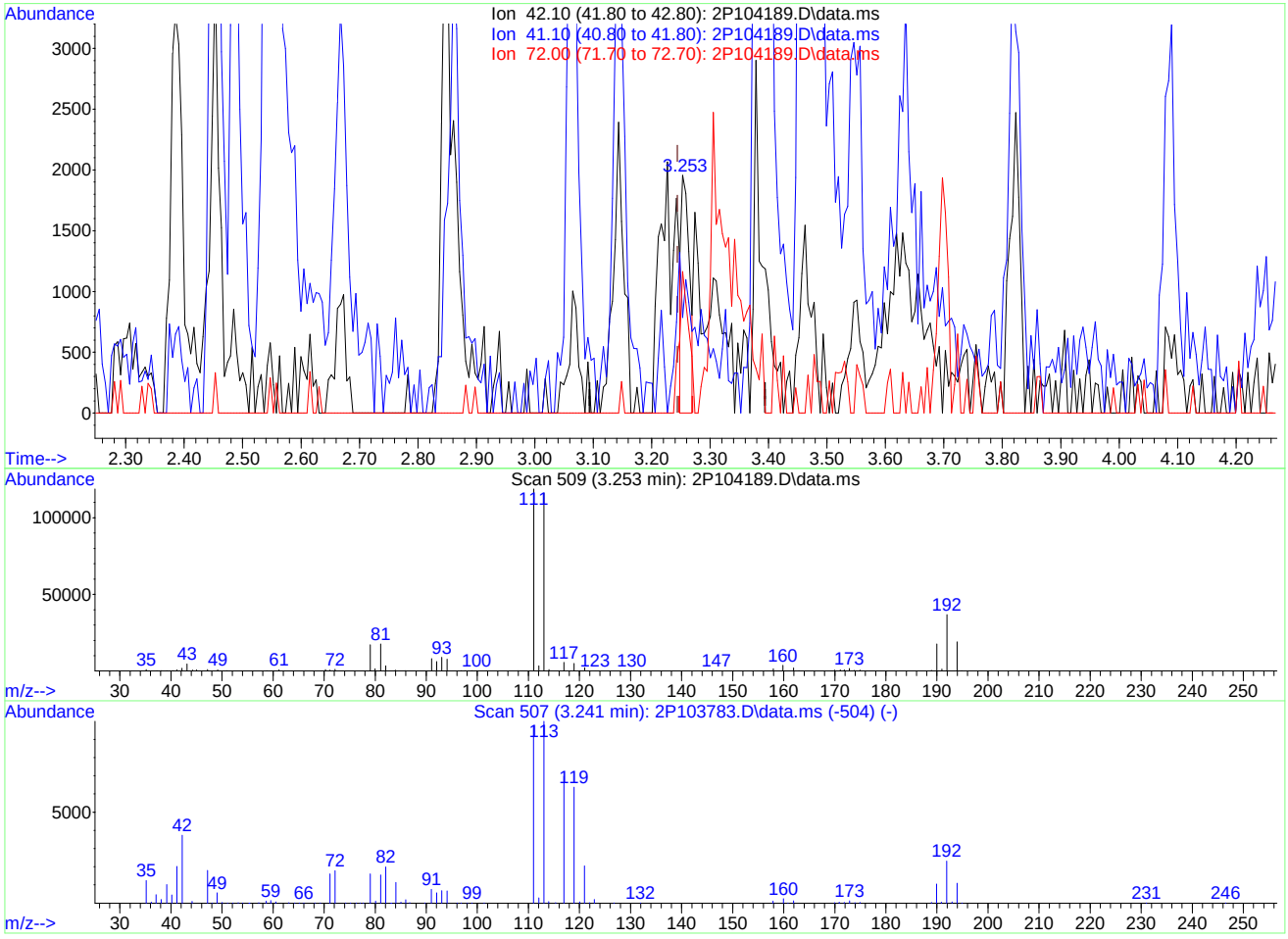
response 0

Ion	Exp%	Act%
42.10	100	0.00
41.10	55.50	0.00#
72.00	48.50	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104189.D
Acq On : 7 Feb 2024 8:55 am
Operator : LIANAT
Sample : IC3959-1 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 07 12:37:12 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration



TIC: 2P104189.D\data.ms

(38) Tetrahydrofuran

3.253min (+0.009) 0.49ug/L m

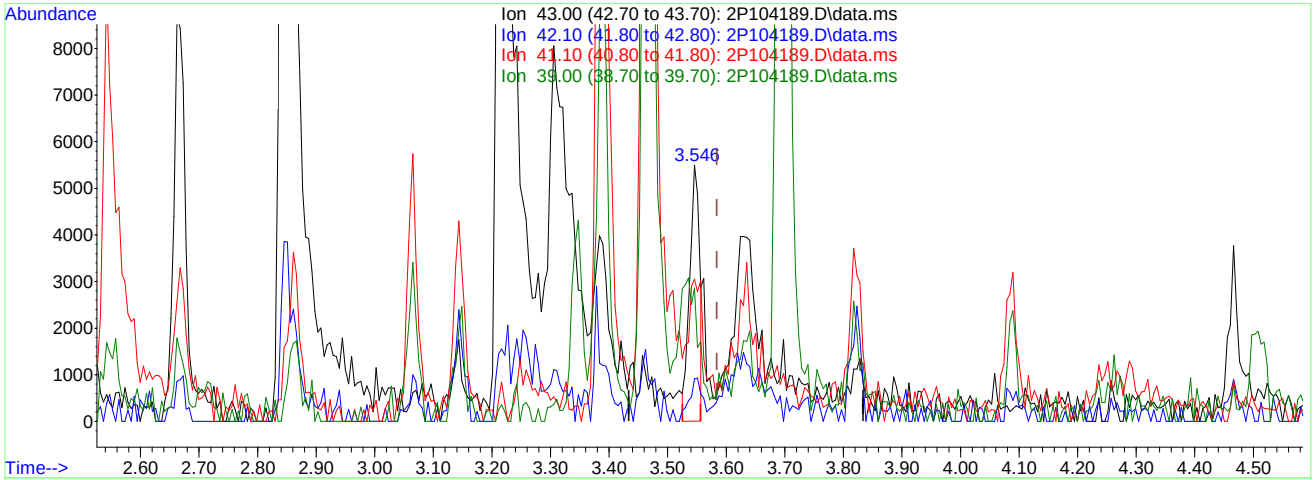
response 1848

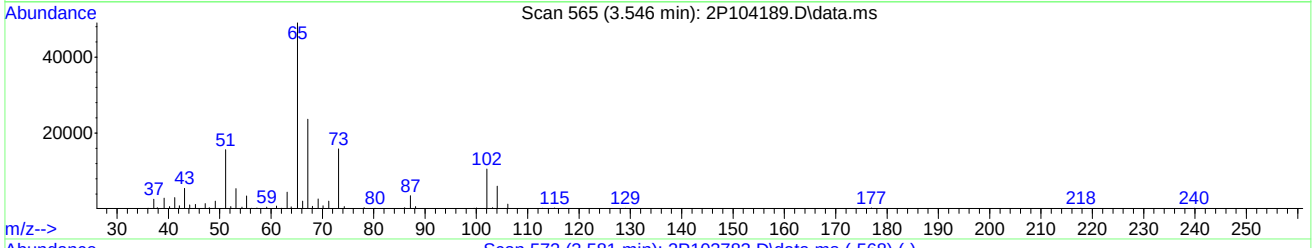
Ion	Exp%	Act%
42.10	100	100
41.10	55.50	40.24
72.00	48.50	59.46
0.00	0.00	0.00

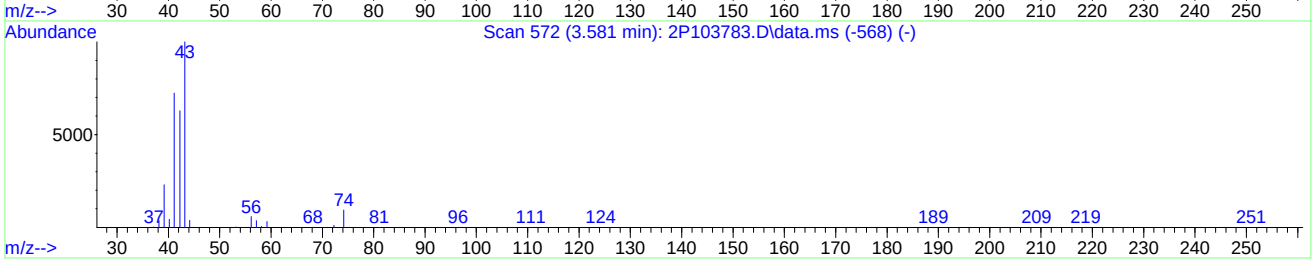
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104189.D
Acq On : 7 Feb 2024 8:55 am
Operator : LIANAT
Sample : IC3959-1 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 07 12:37:12 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration







TIC: 2P104189.D\data.ms

(50) Isobutyl alcohol

3.546min (-0.038) 13.10ug/L m

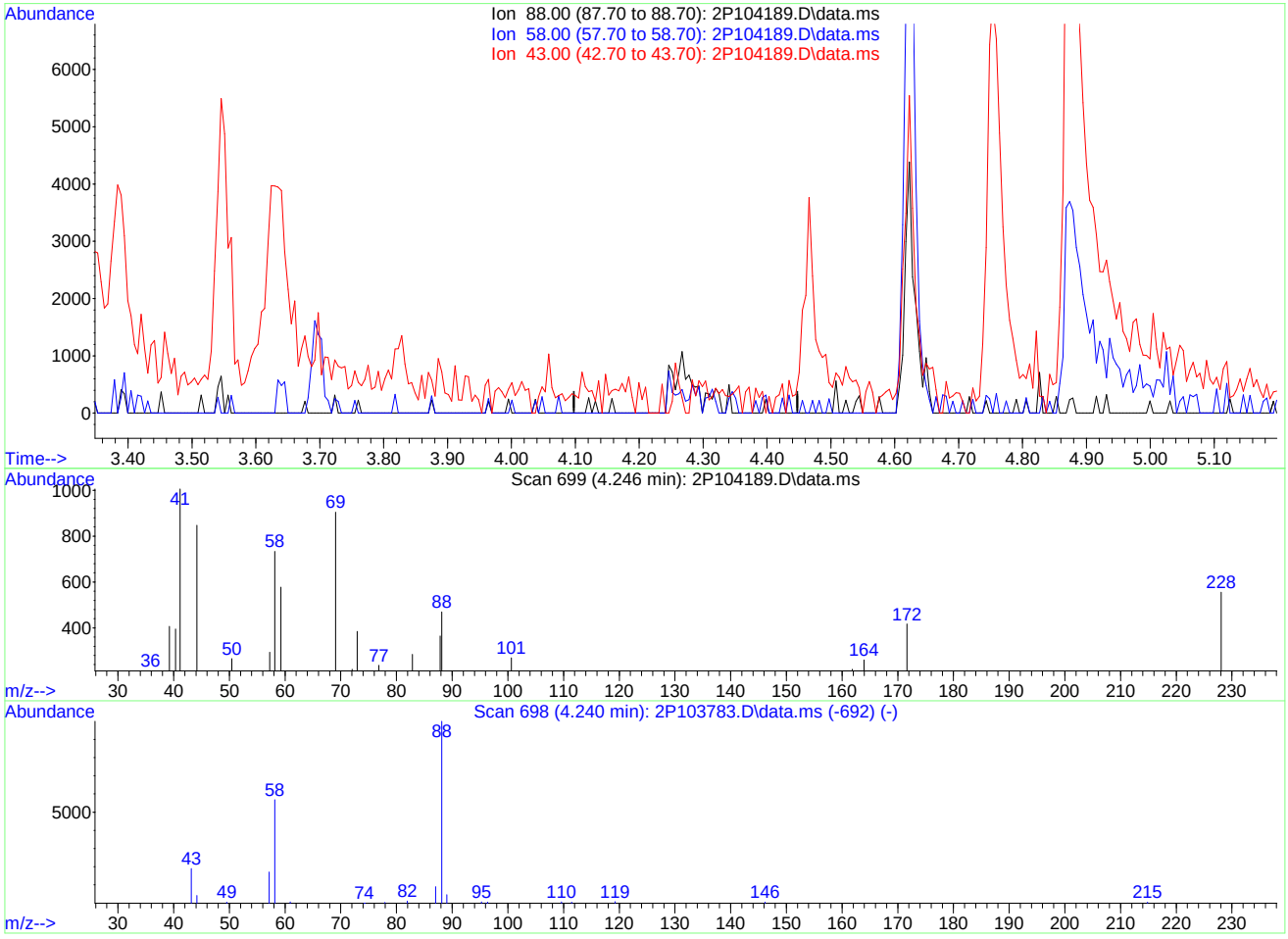
response 6483

Ion	Exp%	Act%
43.00	100	100
42.10	61.30	16.60
41.10	74.10	55.49
39.00	25.90	52.10#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104189.D
Acq On : 7 Feb 2024 8:55 am
Operator : LIANAT
Sample : IC3959-1 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 07 12:37:12 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration



TIC: 2P104189.D\data.ms

(59) 1,4-Dioxane

4.248min 0.00ug/L d

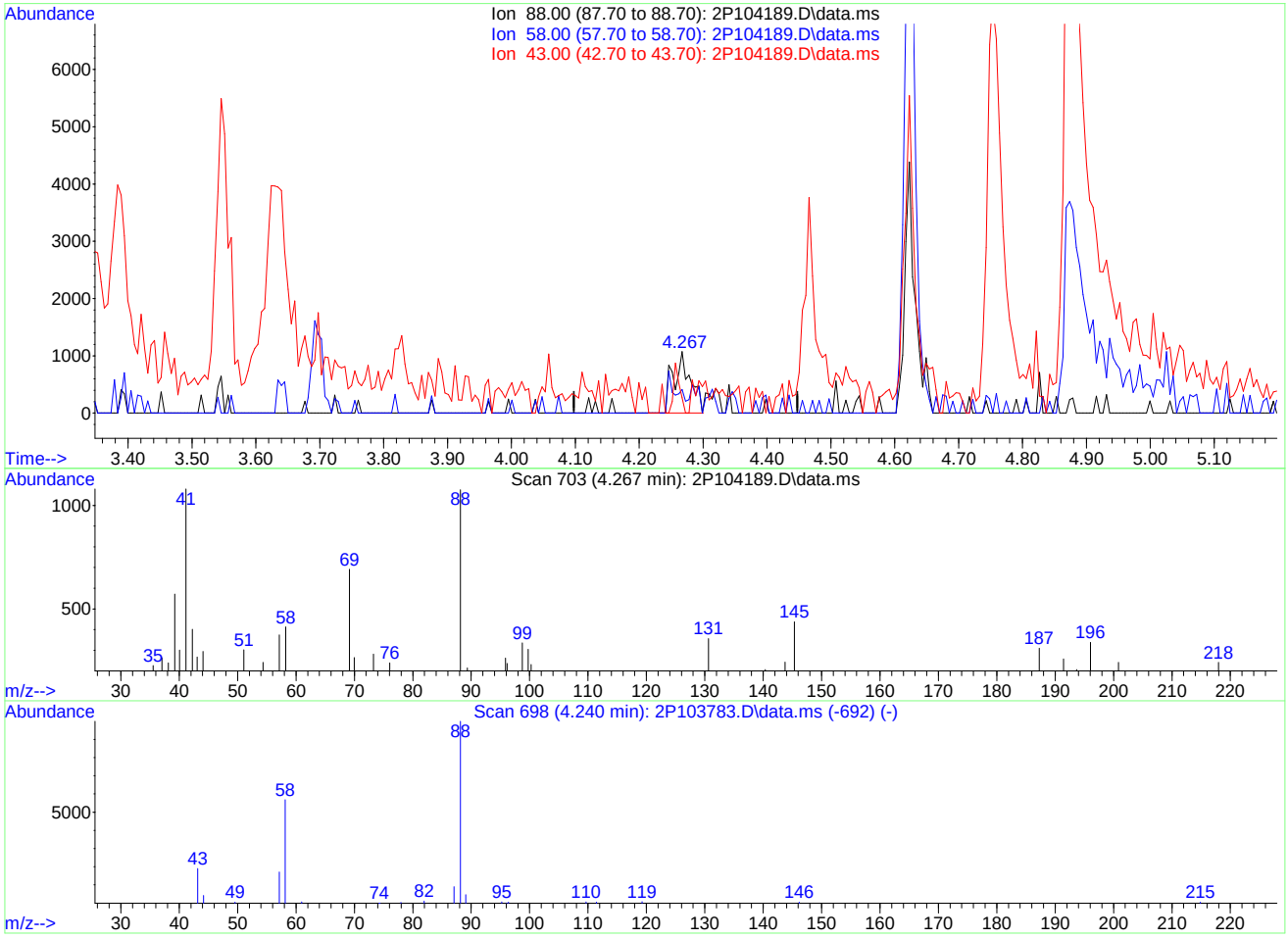
response 0

Ion	Exp%	Act%
88.00	100	0.00
58.00	62.50	0.00
43.00	30.10	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104189.D
Acq On : 7 Feb 2024 8:55 am
Operator : LIANAT
Sample : IC3959-1 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 07 12:37:12 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration



TIC: 2P104189.D\data.ms

(59) 1,4-Dioxane

4.267min (+0.019) 15.04ug/L m

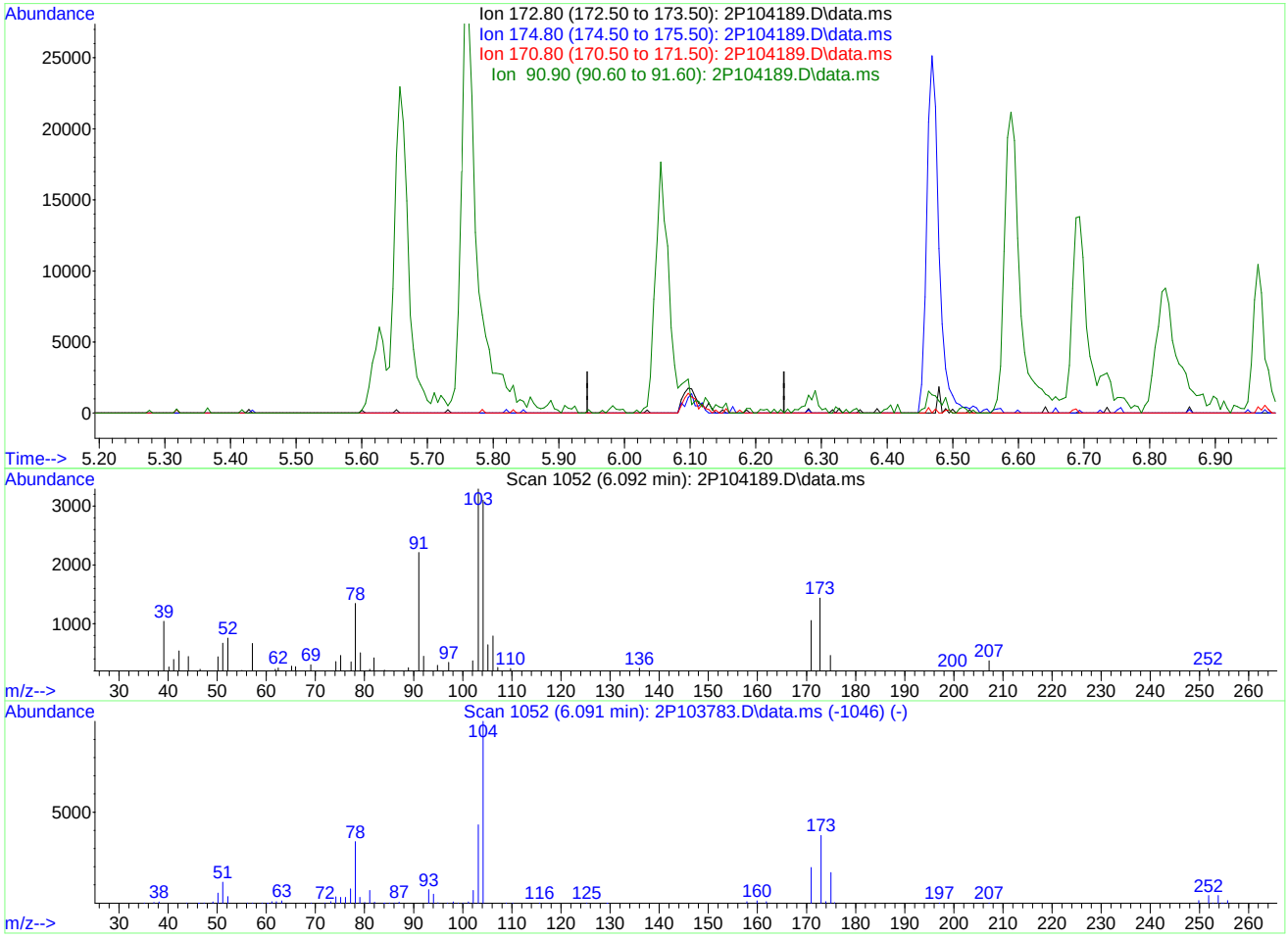
response 2011

Ion	Exp%	Act%
88.00	100	100
58.00	62.50	38.42
43.00	30.10	24.93
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104189.D
Acq On : 7 Feb 2024 8:55 am
Operator : LIANAT
Sample : IC3959-1 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 07 12:37:12 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration



TIC: 2P104189.D\data.ms

(83) Bromoform (P)

6.093min 0.00ug/L d

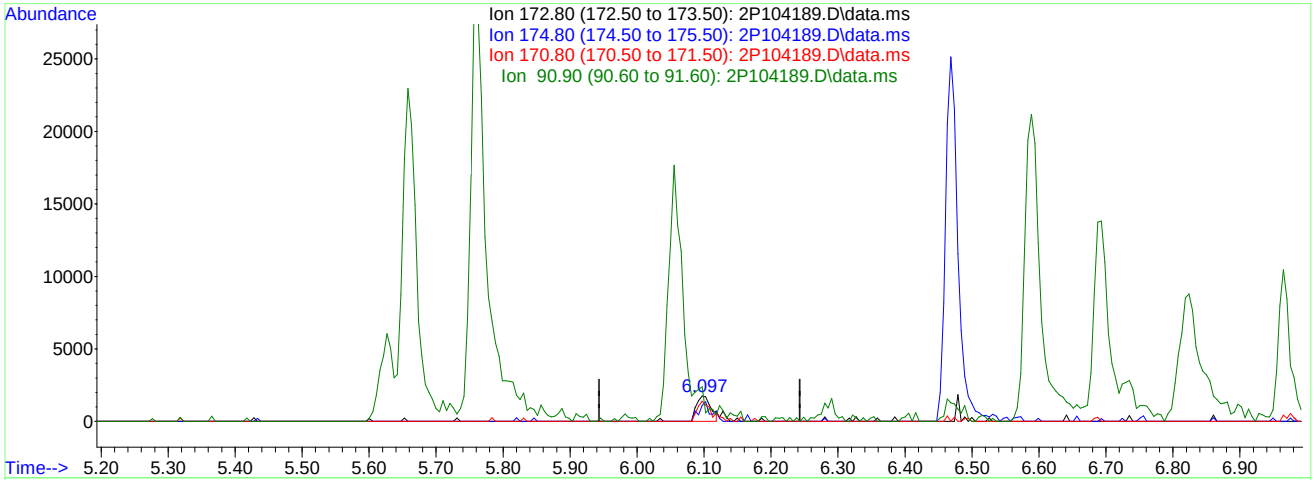
response 0

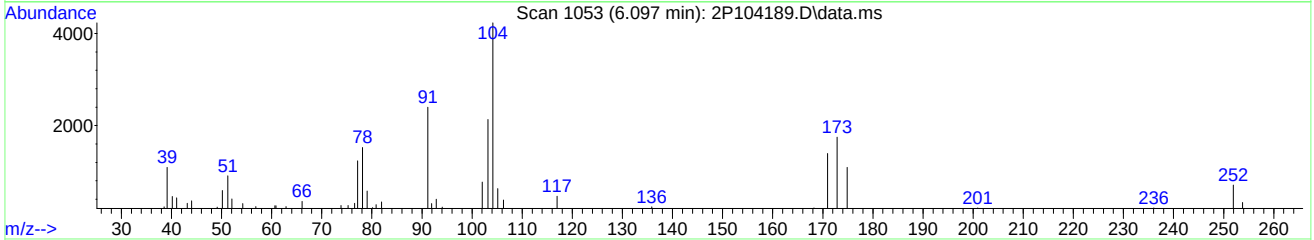
Ion	Exp%	Act%
172.80	100	0.00
174.80	47.70	0.00
170.80	54.40	0.00
90.90	21.70	0.00

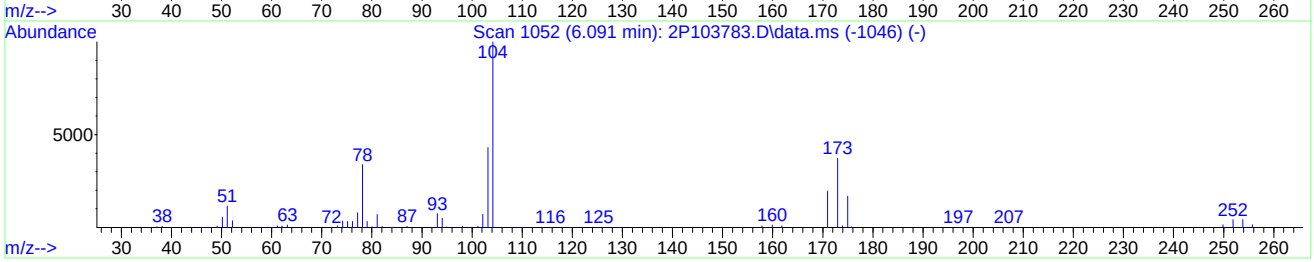
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104189.D
Acq On : 7 Feb 2024 8:55 am
Operator : LIANAT
Sample : IC3959-1 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 07 12:37:12 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration







TIC: 2P104189.D\data.ms

(83) Bromoform (P)

6.097min (+0.004) 0.77ug/L m

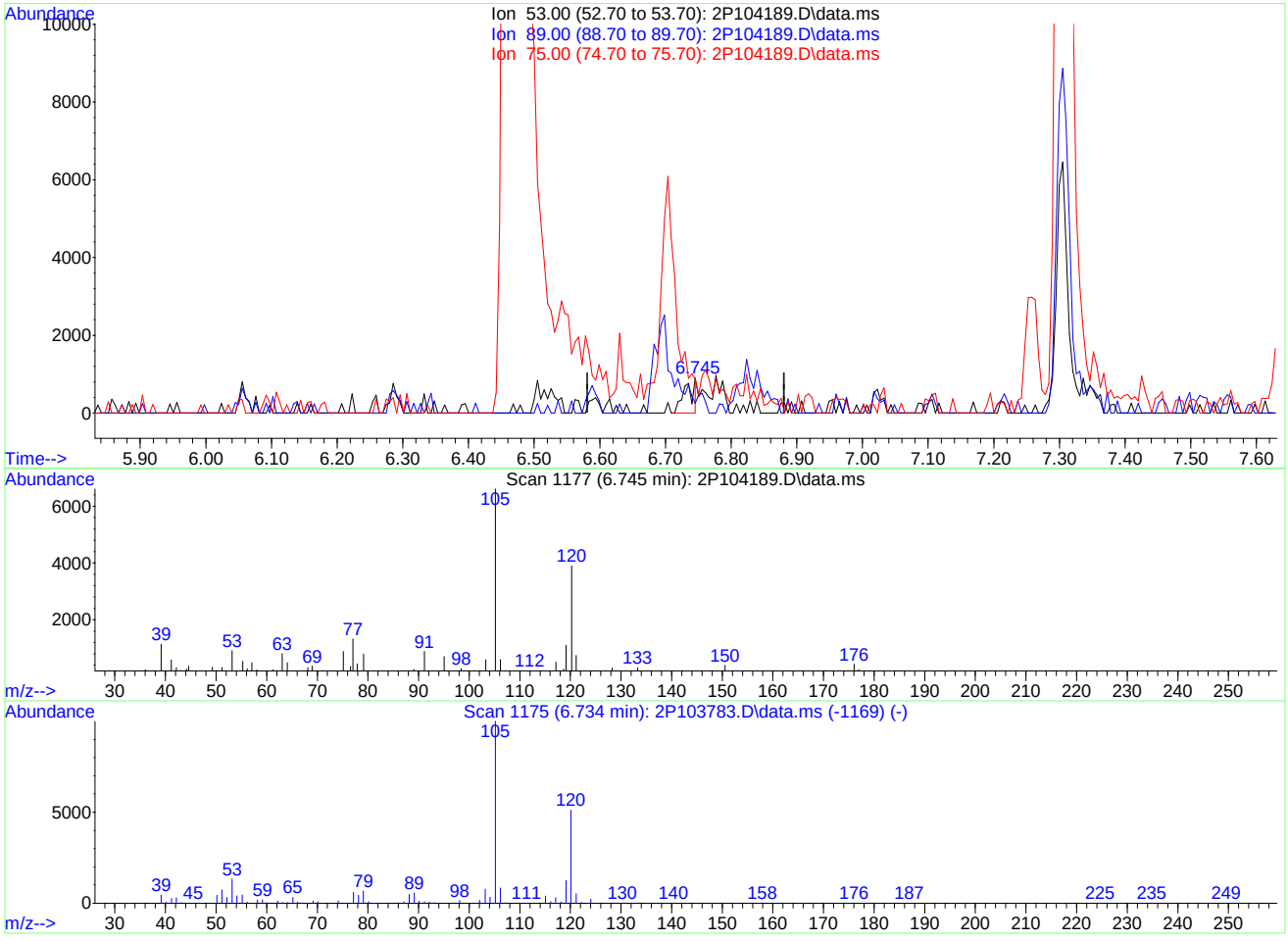
response 2587

Ion	Exp%	Act%
172.80	100	100
174.80	47.70	62.41
170.80	54.40	79.63
90.90	21.70	137.13#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104189.D
Acq On : 7 Feb 2024 8:55 am
Operator : LIANAT
Sample : IC3959-1 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 07 12:37:12 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration



TIC: 2P104189.D\data.ms

(93) trans-1,4-Dichloro-2-Butene

6.745min (+0.014) 0.45ug/L m

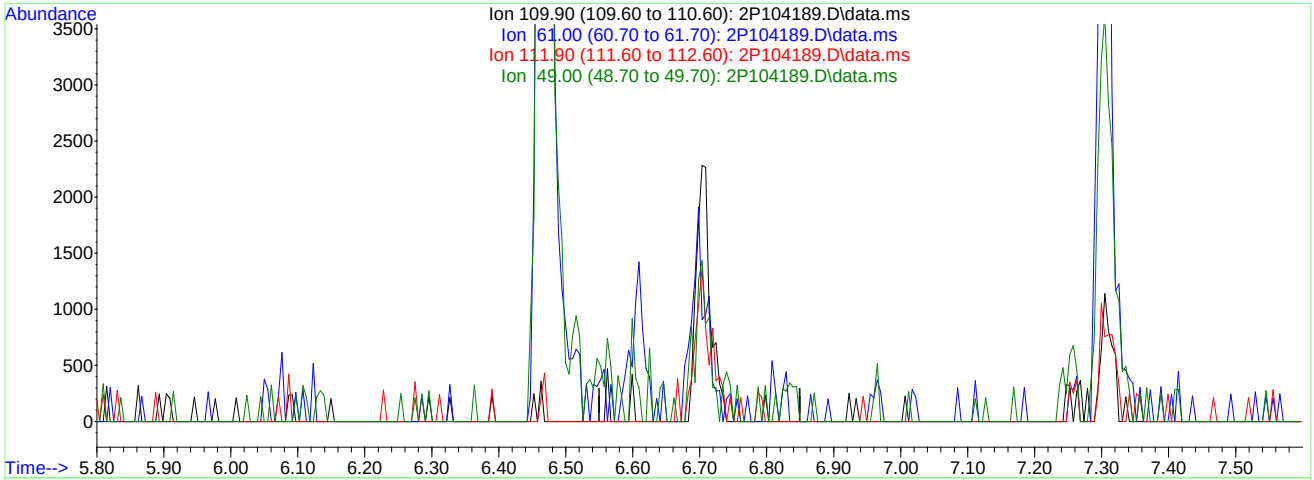
response 1015

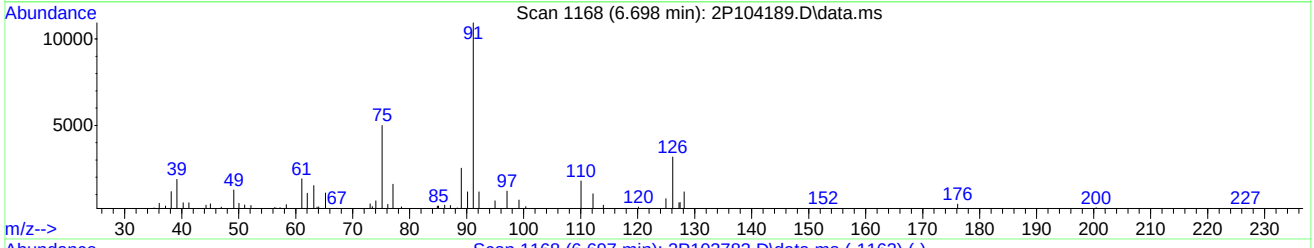
Ion	Exp%	Act%
53.00	100	100
89.00	43.10	28.11
75.00	88.80	97.57
0.00	0.00	0.00

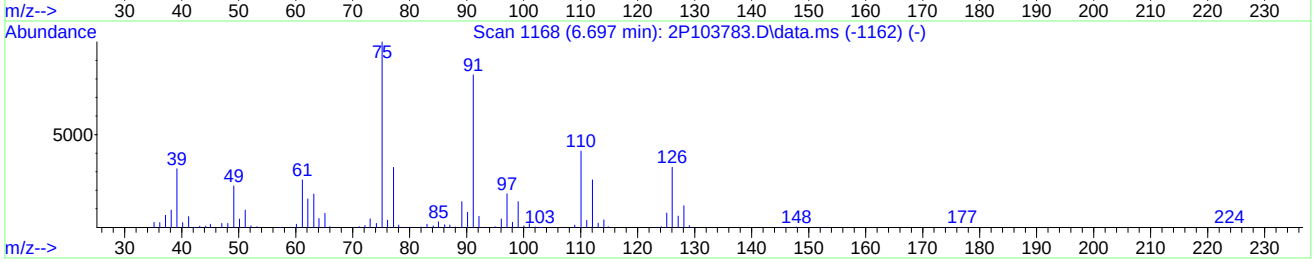
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104189.D
Acq On : 7 Feb 2024 8:55 am
Operator : LIANAT
Sample : IC3959-1 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 07 12:37:12 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration







TIC: 2P104189.D\data.ms

(94) 1,2,3-Trichloropropane ( )

6.700min (-6.700) 0.00ug/L

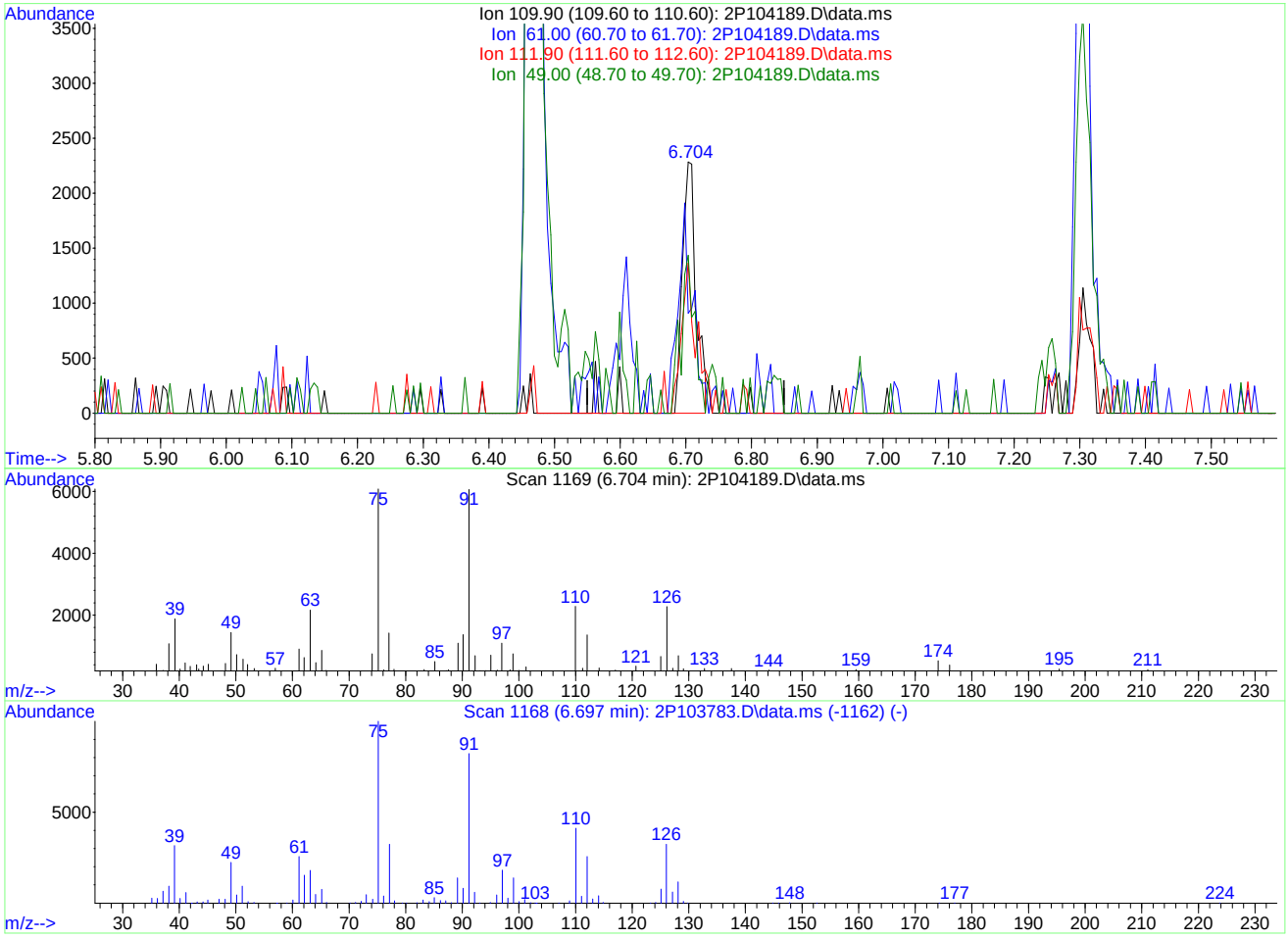
response 0

Ion	Exp%	Act%
109.90	100	0.00
61.00	66.30	0.00#
111.90	67.00	0.00#
49.00	51.00	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104189.D
Acq On : 7 Feb 2024 8:55 am
Operator : LIANAT
Sample : IC3959-1 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 07 12:37:12 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration



TIC: 2P104189.D\data.ms

(94) 1,2,3-Trichloropropane ( )

6.704min (+0.004) 1.10ug/L m

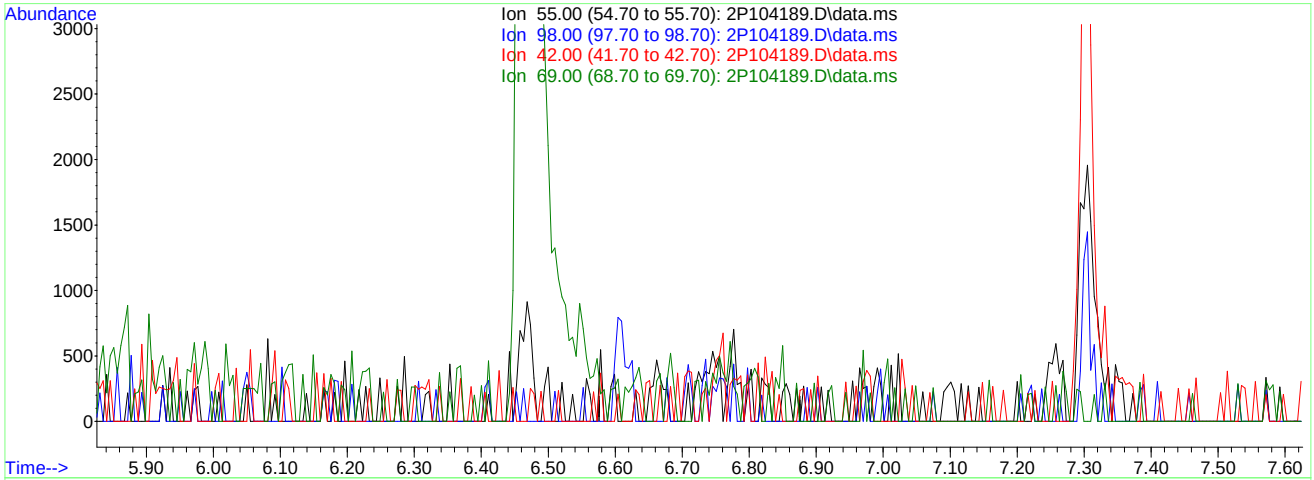
response 3305

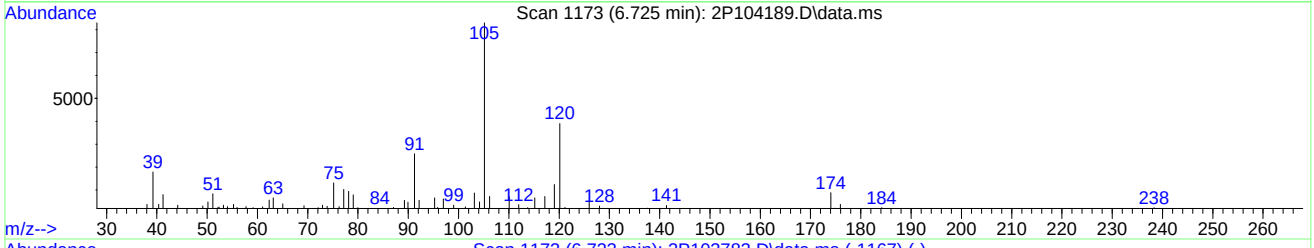
Ion	Exp%	Act%
109.90	100	100
61.00	66.30	39.75
111.90	67.00	59.72
49.00	51.00	62.87

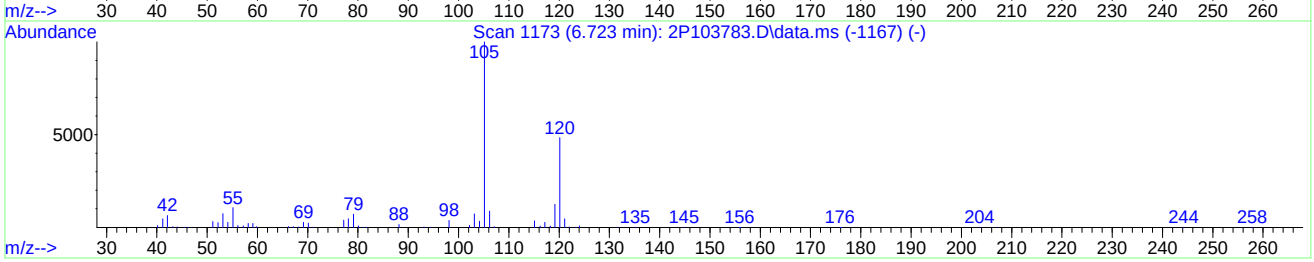
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104189.D
Acq On : 7 Feb 2024 8:55 am
Operator : LIANAT
Sample : IC3959-1 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 07 12:37:12 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration







TIC: 2P104189.D\data.ms

(95) Cyclohexanone

6.726min 0.00ug/L d

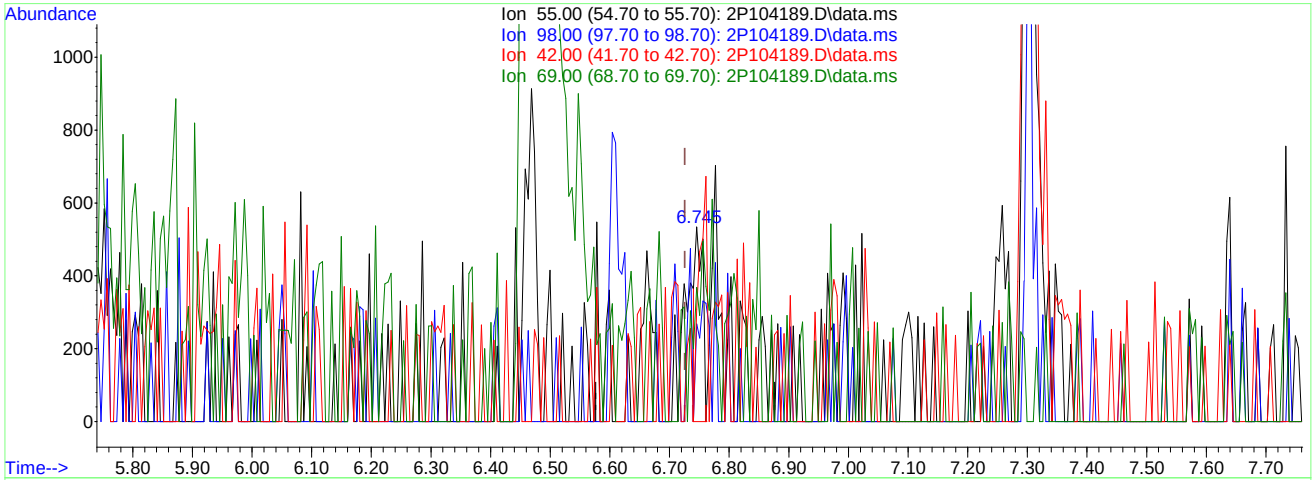
response 0

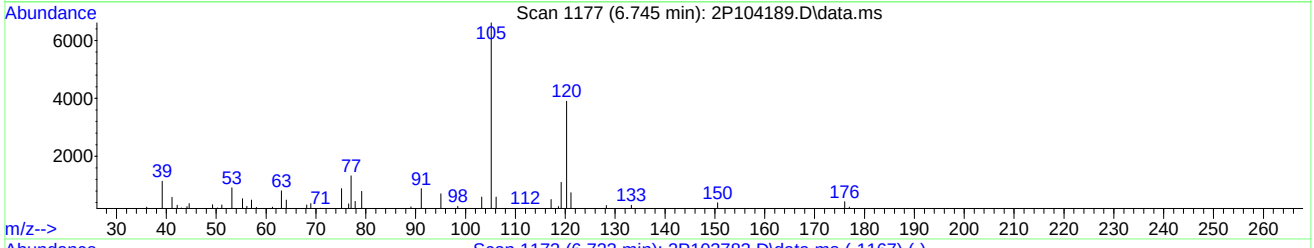
Ion	Exp%	Act%
55.00	100	0.00
98.00	48.80	0.00
42.00	69.00	0.00
69.00	30.90	0.00

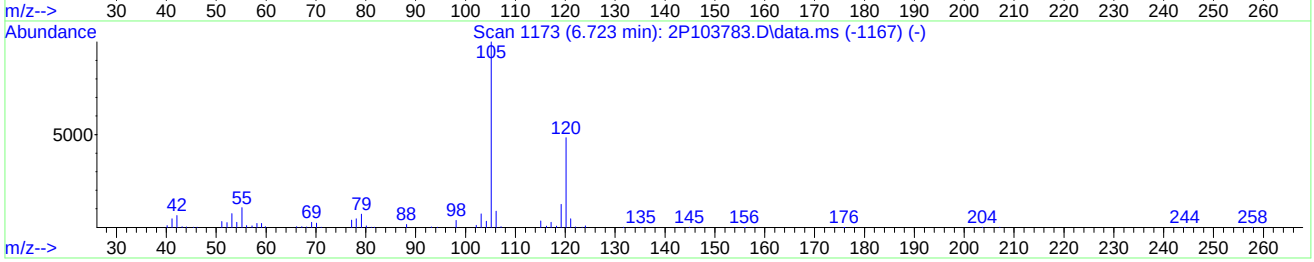
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104189.D
Acq On : 7 Feb 2024 8:55 am
Operator : LIANAT
Sample : IC3959-1 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 07 12:37:12 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration







TIC: 2P104189.D\data.ms

(95) Cyclohexanone

6.745min (+0.019) 1.05ug/L m

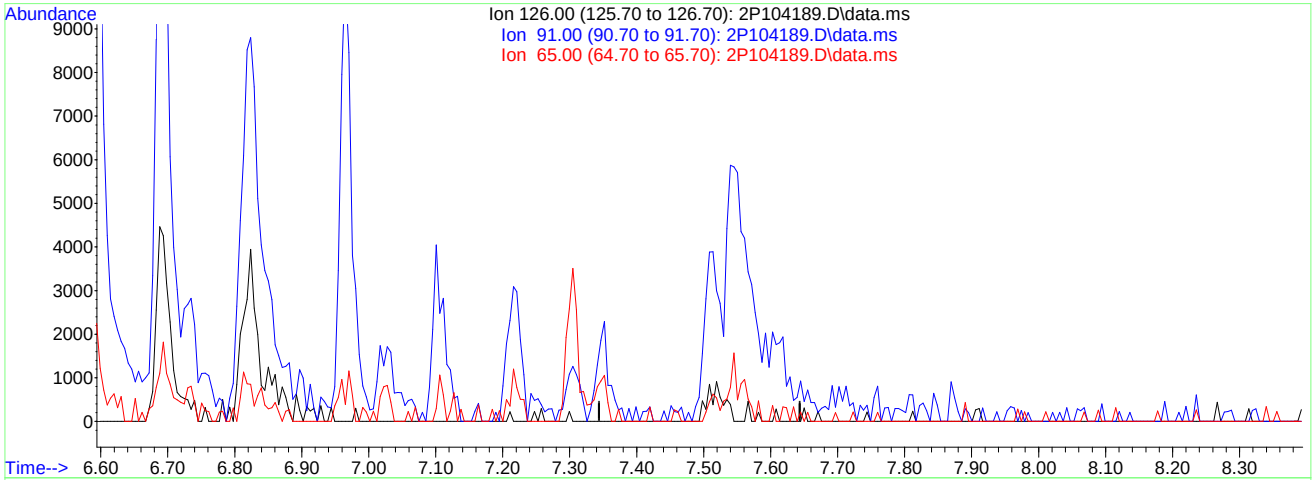
response 454

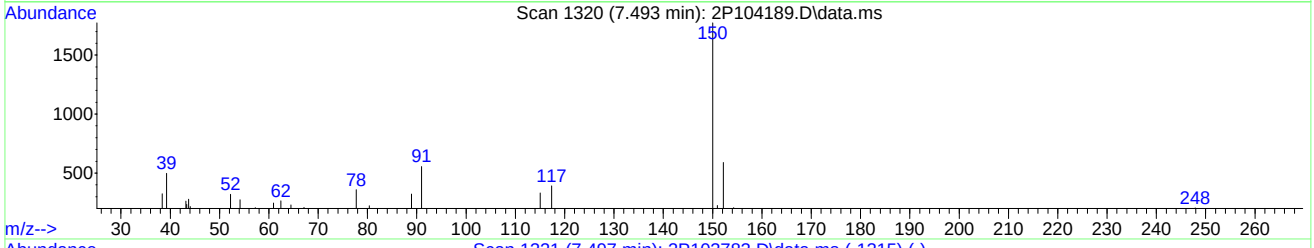
Ion	Exp%	Act%
55.00	100	100
98.00	48.80	50.19
42.00	69.00	57.68
69.00	30.90	68.91#

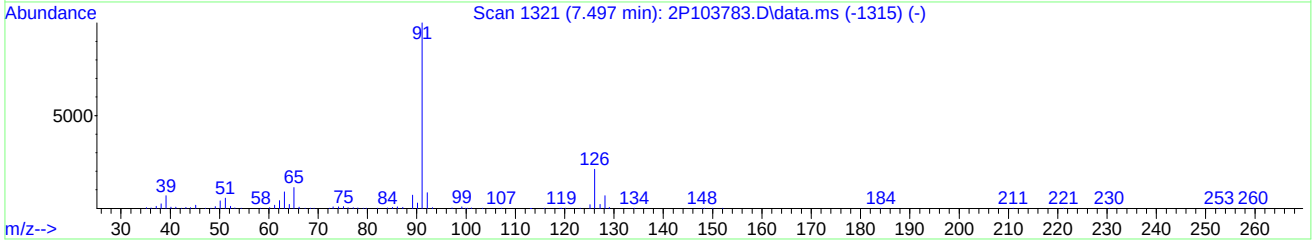
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104189.D
Acq On : 7 Feb 2024 8:55 am
Operator : LIANAT
Sample : IC3959-1 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 07 12:37:12 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration







TIC: 2P104189.D\data.ms

(107) Benzyl Chloride

7.494min (-7.494) 0.00ug/L

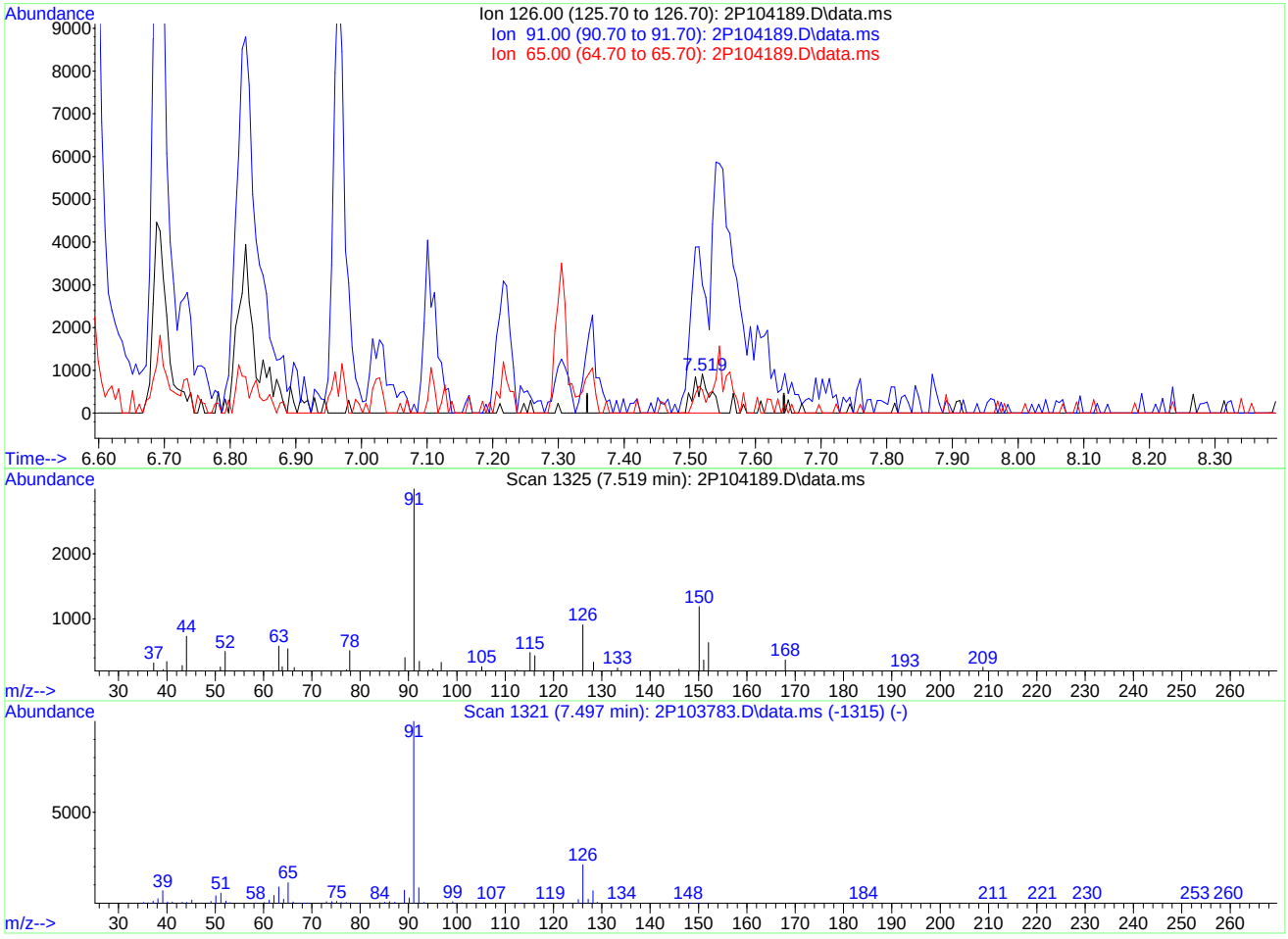
response 0

Ion	Exp%	Act%
126.00	100	0.00
91.00	519.50	0.00#
65.00	65.70	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104189.D
Acq On : 7 Feb 2024 8:55 am
Operator : LIANAT
Sample : IC3959-1 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 07 12:37:12 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration



TIC: 2P104189.D\data.ms

(107) Benzyl Chloride

7.519min (+0.025) 0.69ug/L m

response 1480

Ion	Exp%	Act%
126.00	100	100
91.00	519.50	328.87#
65.00	65.70	59.50
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
02/08/24 11:45

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104190.D
Acq On : 7 Feb 2024 9:21 am
Operator : LIANAT
Sample : IC3959-8 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 07 14:18:19 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	3.697	96	1434689	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.616	117	999844	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.305	152	500610	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.242	113	317855	52.69	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 105.38%			
49) 1,2-Dichloroethane-d4	3.530	65	396212	51.99	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 103.98%			
63) Toluene-d8	4.623	98	1379789	47.34	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 94.68%			
86) 4-Bromofluorobenzene	6.468	174	437600	53.12	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 106.24%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.120	85	9656	3.09	ug/L	97
3) Chloromethane	1.240	50	16305	3.62	ug/L	96
4) 1,3-butadiene	1.313	39	13778	2.20	ug/L	96
5) Vinyl Chloride	1.298	62	14477	2.88	ug/L	98
6) Bromomethane	1.502	94	9869	3.87	ug/L	92
7) Chloroethane	1.575	64	9660	5.69	ug/L	79
8) Trichlorofluoromethane	1.674	101	19078	2.22	ug/L	94
9) Ethyl Ether	1.862	59	9711	1.76	ug/L	83
10) Ethanol	1.946	45	3181m	20.53	ug/L	
11) 1,2-Dichlorotrifluoroe...	1.967	67	10707	1.83	ug/L	91
12) 1,1-Dichloroethene	1.972	61	14115	1.82	ug/L	88
13) Freon 113	2.003	101	8886	2.00	ug/L	85
14) Carbon Disulfide	1.993	76	27469	1.91	ug/L	94
15) Iodomethane	2.045	142	6227	1.72	ug/L	92
16) Acrolein	2.145	56	16183	9.20	ug/L	99
17) Allyl chloride	2.233	41	15939	2.09	ug/L	98
18) Methylene Chloride	2.286	49	25900	3.59	ug/L	90
19) Acetone	2.301	43	29832	9.06	ug/L	92
20) Methyl acetate	2.385	43	64437	7.90	ug/L	96
21) trans-1,2-Dichloroethene	2.390	61	15031	1.90	ug/L	96
22) Hexane	2.453	56	8002m	1.92	ug/L	
23) Methyl Tert Butyl Ether	2.453	73	32493	1.78	ug/L	93
24) Tert Butyl Alcohol	2.490	59	31808	16.36	ug/L	76
25) Acetonitrile	2.542	41	24728	17.66	ug/L	79
26) Di-isopropyl ether	2.662	45	32694	1.75	ug/L	98
27) Chloroprene	2.714	53	45123	1.72	ug/L	92
28) 1,1-Dichloroethane	2.709	63	22403	2.10	ug/L	99
29) Acrylonitrile	2.714	52	27159	7.90	ug/L	89
30) ETBE	2.861	59	33272	1.79	ug/L	91
31) Vinyl acetate	2.845	43	103870	8.08	ug/L	98
32) cis-1,2-Dichloroethene	3.007	96	13422	2.15	ug/L	91
33) 2,2-Dichloropropane	3.065	77	13733	1.82	ug/L	95
34) Bromochloromethane	3.107	128	5133	1.90	ug/L #	83
35) Cyclohexane	3.143	56	15808	1.69	ug/L	93
36) Chloroform	3.148	83	19584	1.94	ug/L	96
37) Ethyl acetate	3.216	43	71013	7.88	ug/L	99
38) Tetrahydrofuran	3.300	42	2301m	0.62	ug/L	
40) Carbon Tetrachloride	3.248	117	14502	2.22	ug/L	89
41) 1,1,1-Trichloroethane	3.274	97	17246	2.10	ug/L	95
42) 2-Butanone	3.305	43	41876	7.98	ug/L	94
43) 1,1-Dichloropropene	3.342	75	13541	1.86	ug/L	89
44) tert-Butyl formate	3.389	59	50719	11.65	ug/L	94
45) Propionitrile	3.446	54	17337	12.11	ug/L	90
46) Methacrylonitrile	3.462	41	83461	15.44	ug/L	96
47) Benzene	3.473	78	47125	1.90	ug/L	98
48) TAME	3.546	73	30276	1.75	ug/L	95
50) Isobutyl alcohol	3.546	43	12691m	25.80	ug/L	
51) 1,2-Dichloroethane	3.567	62	16108	2.00	ug/L	91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104190.D
Acq On : 7 Feb 2024 9:21 am
Operator : LIANAT
Sample : IC3959-8 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 07 14:18:19 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration

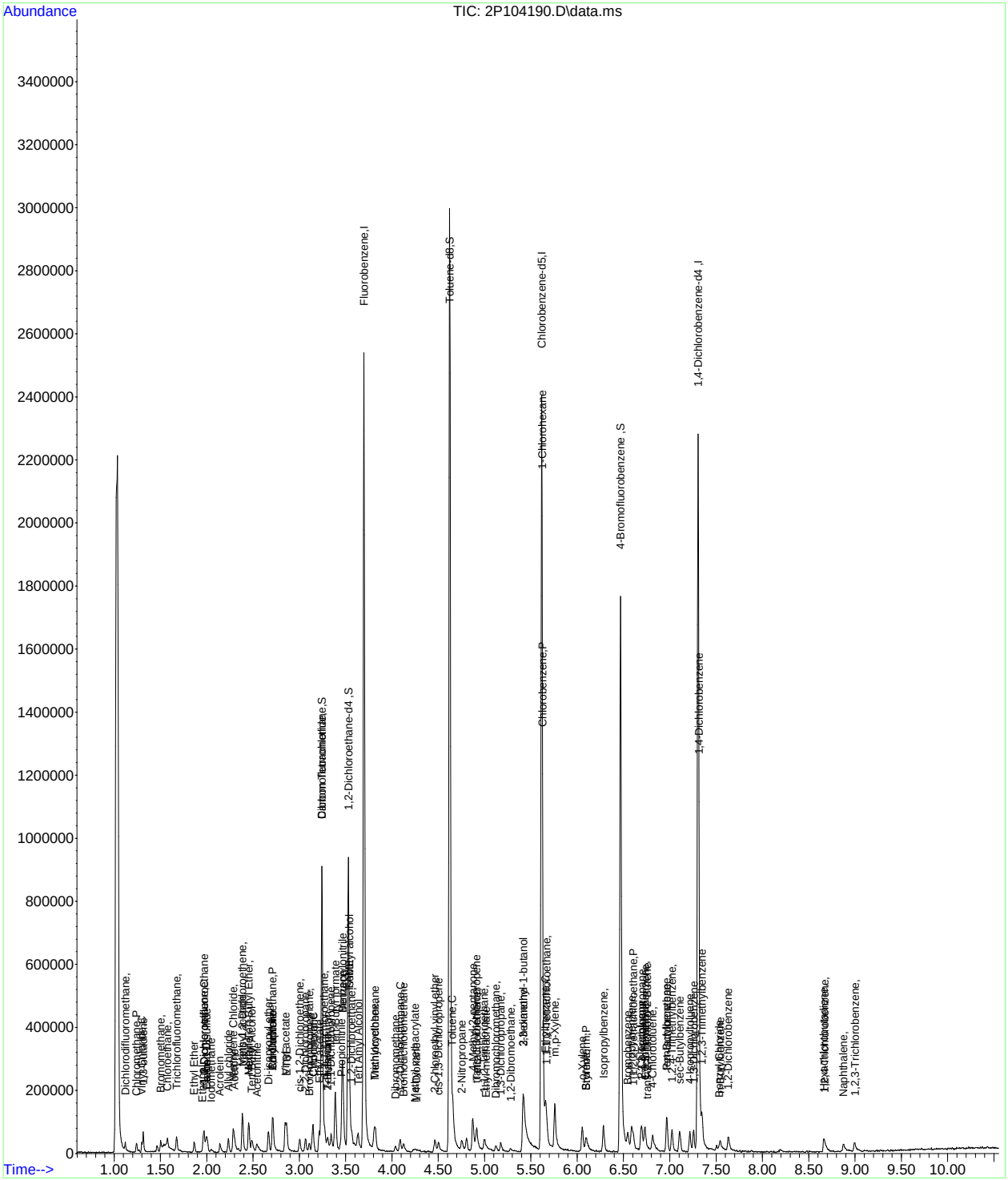
Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
52) Tert Amyl Alcohol	3.635	59	22244	15.13 ug/L		81
53) Trichloroethene	3.807	95	14983	2.49 ug/L		81
54) Methylcyclohexane	3.823	83	14601	1.74 ug/L	#	82
55) Dibromomethane	4.032	93	5922	1.91 ug/L		81
56) 1,2-Dichloropropane	4.089	63	10524	1.93 ug/L		92
57) Bromodichloromethane	4.126	83	10704	1.61 ug/L	#	90
58) Methyl methacrylate	4.241	41	7901m	1.42 ug/L		
59) 1,4-Dioxane	4.267	88	2823m	21.24 ug/L		
60) 2-Chloroethyl vinyl ether	4.461	63	15261	6.42 ug/L		92
61) cis-1,3-Dichloropropene	4.508	75	11472	1.49 ug/L		85
64) Toluene	4.654	91	50057	1.84 ug/L		96
65) 2-Nitropropane	4.753	41	13914	5.76 ug/L		95
66) 4-Methyl-2-pentanone	4.874	43	66951	6.37 ug/L		94
67) trans-1,3-Dichloropropene	4.905	75	6738	0.92 ug/L		71
68) Tetrachloroethene	4.915	166	11832	1.88 ug/L	#	76
69) Ethyl methacrylate	5.020	69	5795	0.72 ug/L		80
70) 1,1,2-Trichloroethane	4.994	83	8258	1.74 ug/L		83
71) Dibromochloromethane	5.125	129	6312	1.27 ug/L		95
72) 1,3-Dichloropropane	5.172	76	15341	1.61 ug/L		85
73) 1,2-Dibromoethane	5.276	107	7864	1.46 ug/L		97
74) 3,3-dimethyl-1-butanol	5.417	57	111878	66.65 ug/L		91
75) 2-hexanone	5.417	43	61334	5.81 ug/L	#	68
76) 1-Chlorohexane	5.626	91	12149m	1.60 ug/L		
77) Ethylbenzene	5.658	91	50982	1.79 ug/L		97
78) Chlorobenzene	5.632	112	31678	1.90 ug/L		94
79) 1,1,1,2-Tetrachloroethane	5.673	131	9092	1.81 ug/L	#	52
80) m,p-Xylene	5.757	91	73881	3.39 ug/L		96
81) o-Xylene	6.055	91	39932	1.76 ug/L		97
82) Styrene	6.097	104	21228	1.40 ug/L		90
83) Bromoform	6.102	173	3985	1.18 ug/L		79
84) Isopropylbenzene	6.285	105	44386	1.73 ug/L		97
88) n-Propylbenzene	6.588	91	50555	1.64 ug/L		96
89) Bromobenzene	6.547	156	11981	1.88 ug/L		88
90) 1,1,2,2-Tetrachloroethane	6.609	83	13488	1.54 ug/L		90
91) 1,3,5-Trimethylbenzene	6.735	105	36791	1.76 ug/L		90
92) 2-Chlorotoluene	6.693	91	30459	1.67 ug/L		94
93) trans-1,4-Dichloro-2-B...	6.761	53	772m	0.33 ug/L		
94) 1,2,3-Trichloropropane	6.703	110	4550m	1.48 ug/L		
95) Cyclohexanone	6.740	55	1114m	2.53 ug/L		
96) 4-Chlorotoluene	6.818	91	32718	1.72 ug/L		97
97) tert-Butylbenzene	6.965	91	20388	1.83 ug/L		93
99) 1,2,4-Trimethylbenzene	7.022	105	33905	1.66 ug/L		93
100) Pentachloroethane	6.970	167	5587	1.85 ug/L	#	69
101) sec-Butylbenzene	7.106	105	39498	1.69 ug/L		98
102) 4-Isopropyltoluene	7.216	119	31596	1.66 ug/L		96
103) 1,3-Dichlorobenzene	7.258	146	21186	1.85 ug/L		95
104) 1,2,3-Trimethylbenzene	7.346	105	36590	1.76 ug/L		97
105) 1,4-Dichlorobenzene	7.320	146	25507	2.05 ug/L		85
106) n-Butylbenzene	7.540	92	10633	1.45 ug/L		95
107) Benzyl Chloride	7.529	126	333m	0.15 ug/L		
108) 1,2-Dichlorobenzene	7.634	146	17452	1.65 ug/L		90
110) Hexachlorobutadiene	8.669	225	5353	2.40 ug/L	#	76
111) 1,2,4-Trichlorobenzene	8.674	180	8565m	1.85 ug/L		
112) Naphthalene	8.873	128	19939	1.23 ug/L		93
113) 1,2,3-Trichlorobenzene	8.999	180	8795	1.79 ug/L		85

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104190.D
Acq On : 7 Feb 2024 9:21 am
Operator : LIANAT
Sample : IC3959-8 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 07 14:18:19 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration



Manual Integration Approval Summary

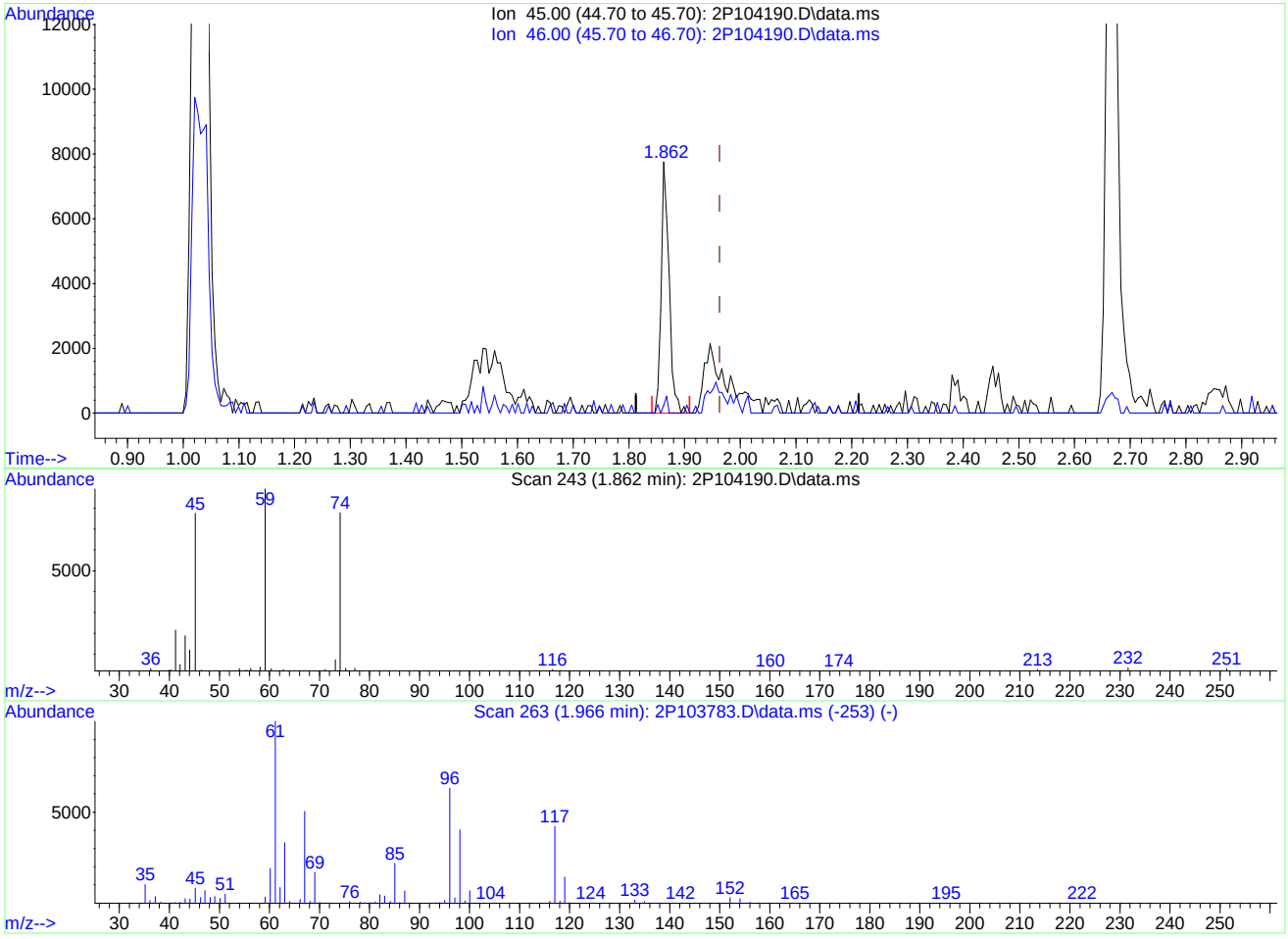
Sample Number: V2P3959-IC3959
Lab FileID: 2P104190.D
Injection Time: 02/07/24 09:21
Method: SW846 8260D
Analyst approved: 02/08/24 10:16 Liana Tortrodriguez
Supervisor approved: 02/08/24 11:45 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		1.95	Missed peak
Hexane	110-54-3		2.45	Poor instrument integration
Tetrahydrofuran	109-99-9		3.30	Missed peak
Isobutyl Alcohol	78-83-1		3.55	Poor instrument integration
Methyl Methacrylate	80-62-6		4.24	Poor instrument integration
1,4-Dioxane	123-91-1		4.27	Missed peak
1-Chlorohexane	544-10-5		5.63	Poor instrument integration
1,2,3-Trichloropropane	96-18-4		6.70	Missed peak
Cyclohexanone	108-94-1		6.74	Poor instrument integration
trans-1,4-Dichloro-2-Butene	110-57-6		6.76	Missed peak
Benzyl Chloride	100-44-7		7.53	Poor instrument integration
1,2,4-Trichlorobenzene	120-82-1		8.67	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104190.D
Acq On : 7 Feb 2024 9:21 am
Operator : LIANAT
Sample : IC3959-8 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 07 12:16:37 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration



TIC: 2P104190.D\data.ms

(10) Ethanol

1.862min (-0.101) 49.74ug/L

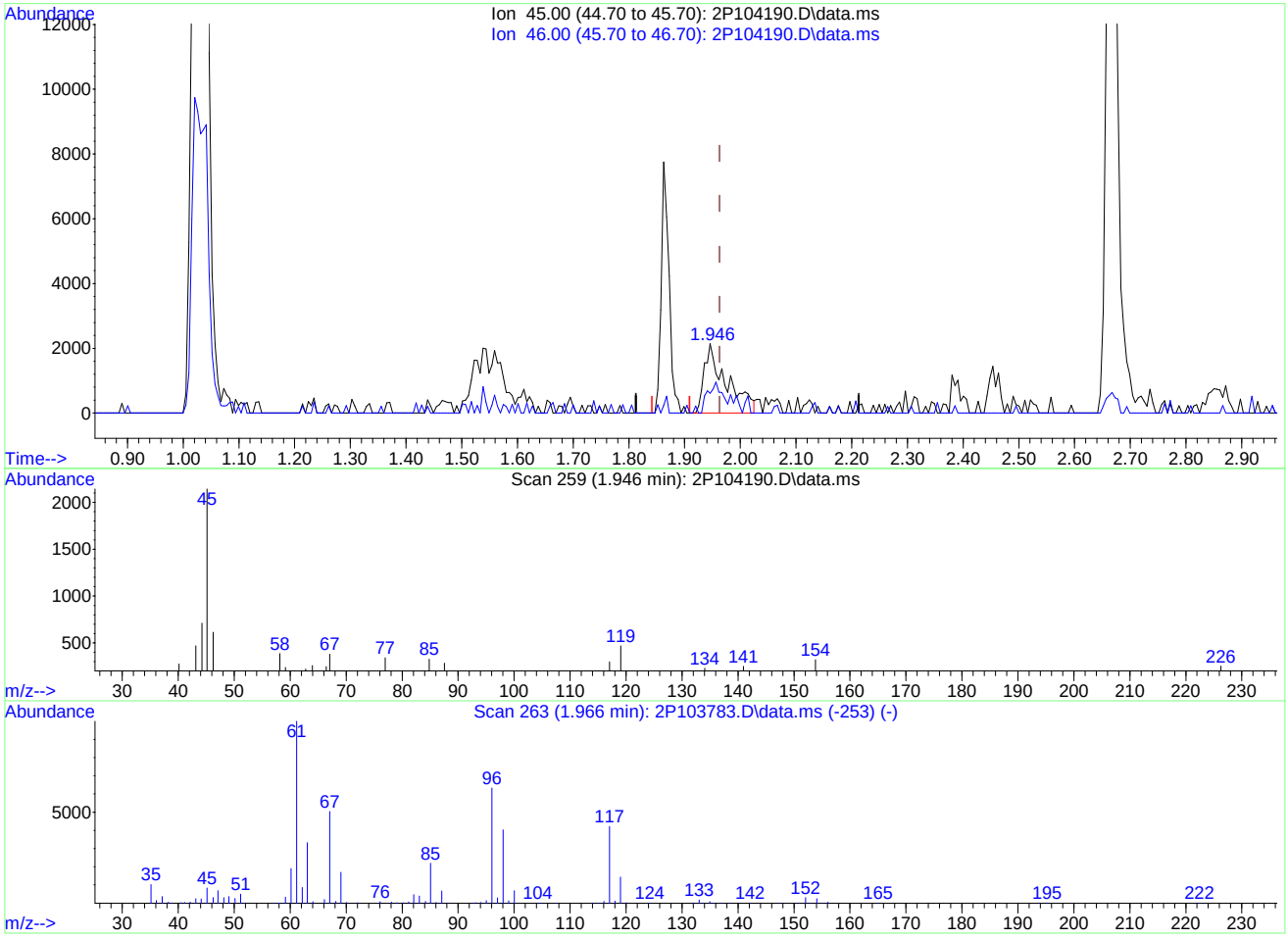
response 7666

Ion	Exp%	Act%
45.00	100	100
46.00	38.40	3.04#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104190.D
Acq On : 7 Feb 2024 9:21 am
Operator : LIANAT
Sample : IC3959-8 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 07 12:16:37 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration



TIC: 2P104190.D\data.ms

(10) Ethanol

1.946min (-0.017) 38.07ug/L m

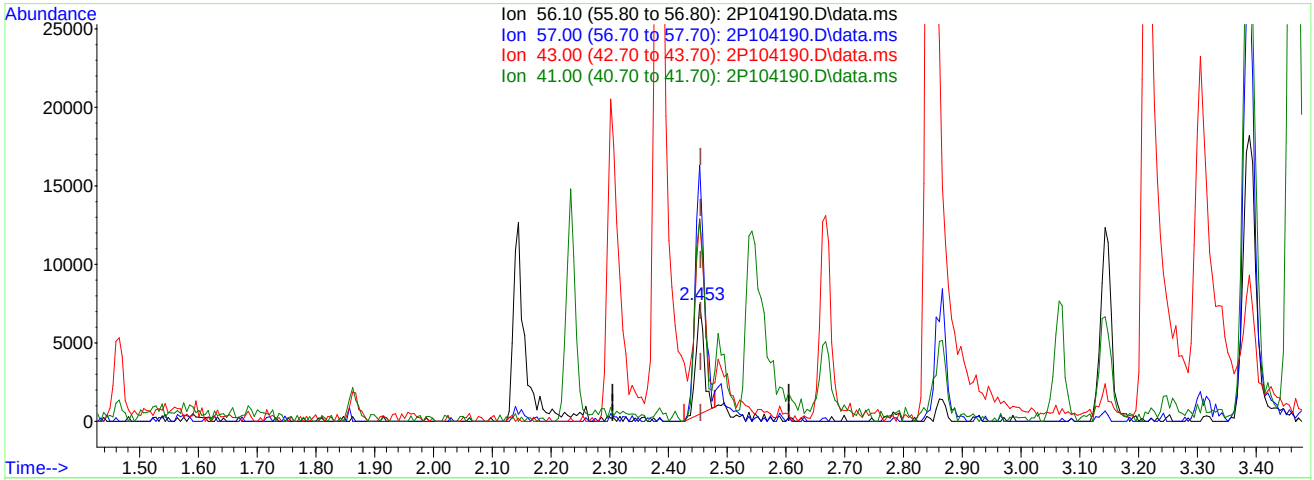
response 5880

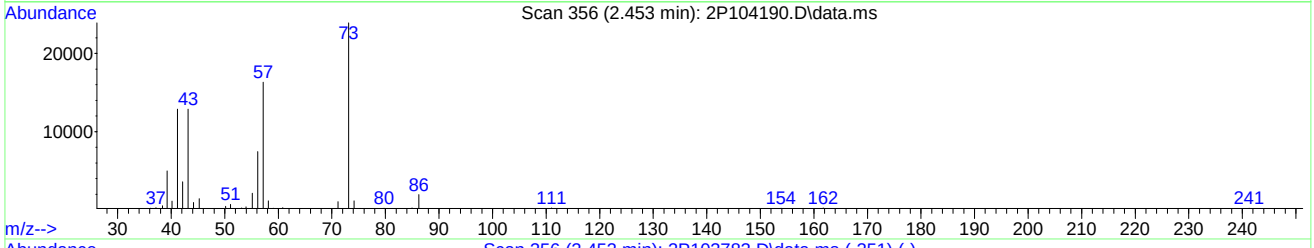
Ion	Exp%	Act%
45.00	100	100
46.00	38.40	28.68
0.00	0.00	0.00
0.00	0.00	0.00

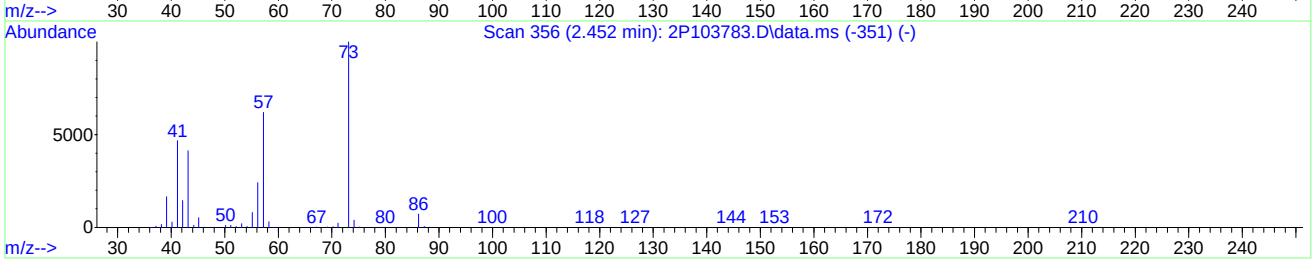
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104190.D
Acq On : 7 Feb 2024 9:21 am
Operator : LIANAT
Sample : IC3959-8 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 07 12:16:37 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration







TIC: 2P104190.D\data.ms

(22) Hexane

2.453min (-0.002) 1.64ug/L

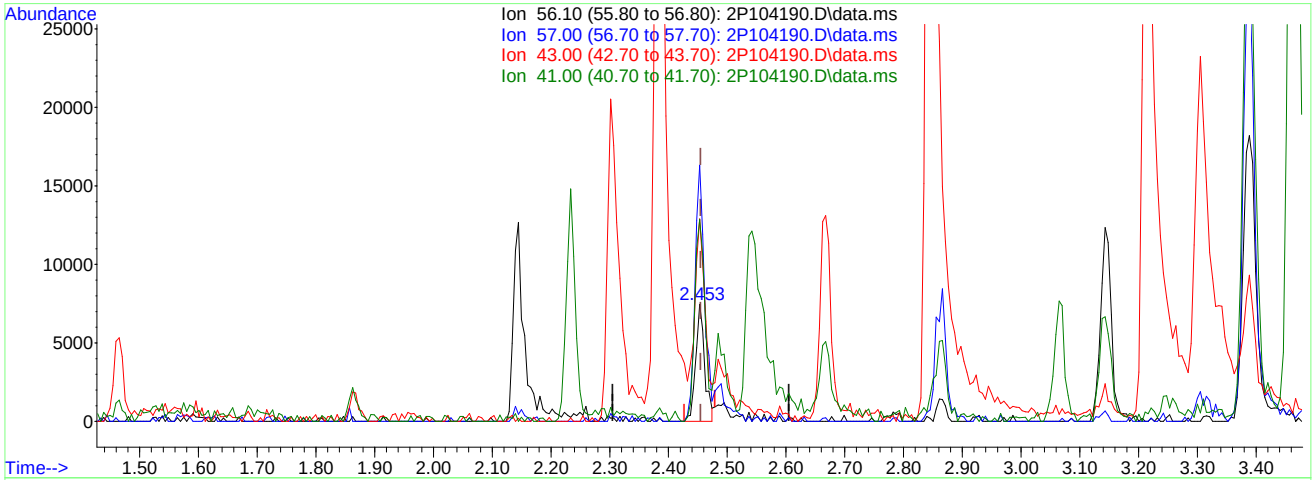
response 6836

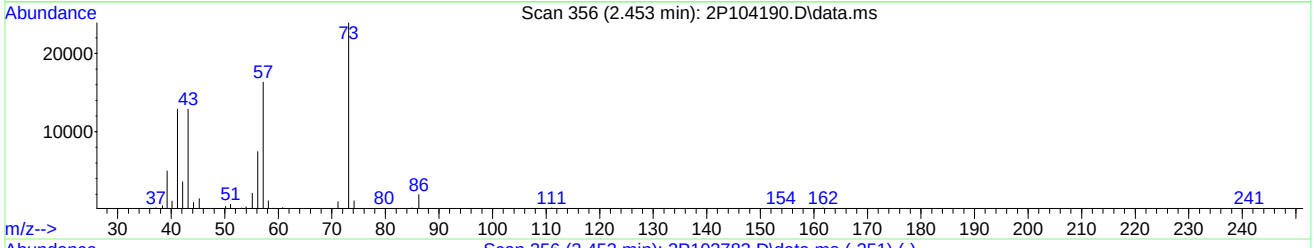
Ion	Exp%	Act%
56.10	100	100
57.00	268.30	218.66#
43.00	180.10	139.68#
41.00	197.80	172.52#

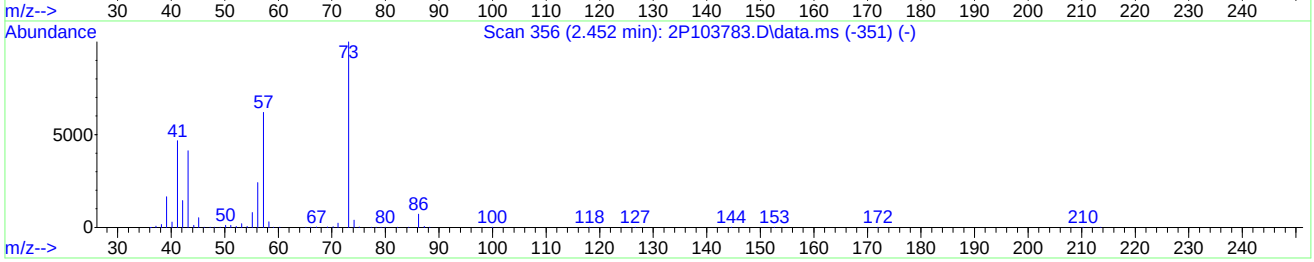
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104190.D
Acq On : 7 Feb 2024 9:21 am
Operator : LIANAT
Sample : IC3959-8 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 07 12:16:37 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration







TIC: 2P104190.D\data.ms

(22) Hexane

2.453min (-0.002) 1.92ug/L m

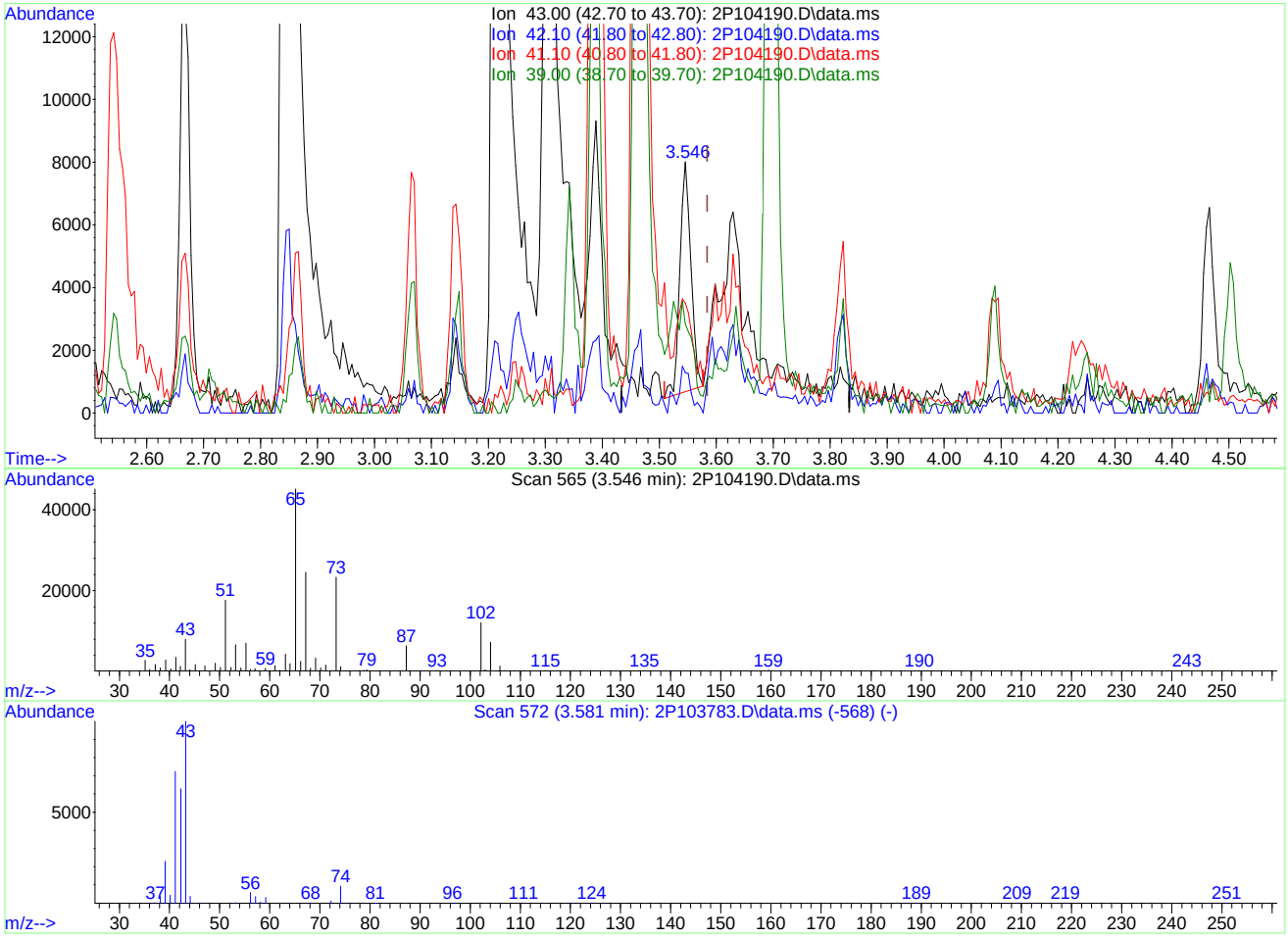
response 8002

Ion	Exp%	Act%
56.10	100	100
57.00	268.30	218.66#
43.00	180.10	172.83
41.00	197.80	172.52#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104190.D
Acq On : 7 Feb 2024 9:21 am
Operator : LIANAT
Sample : IC3959-8 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 07 12:16:37 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration



TIC: 2P104190.D\data.ms

(50) Isobutyl alcohol

3.546min (-0.038) 20.28ug/L

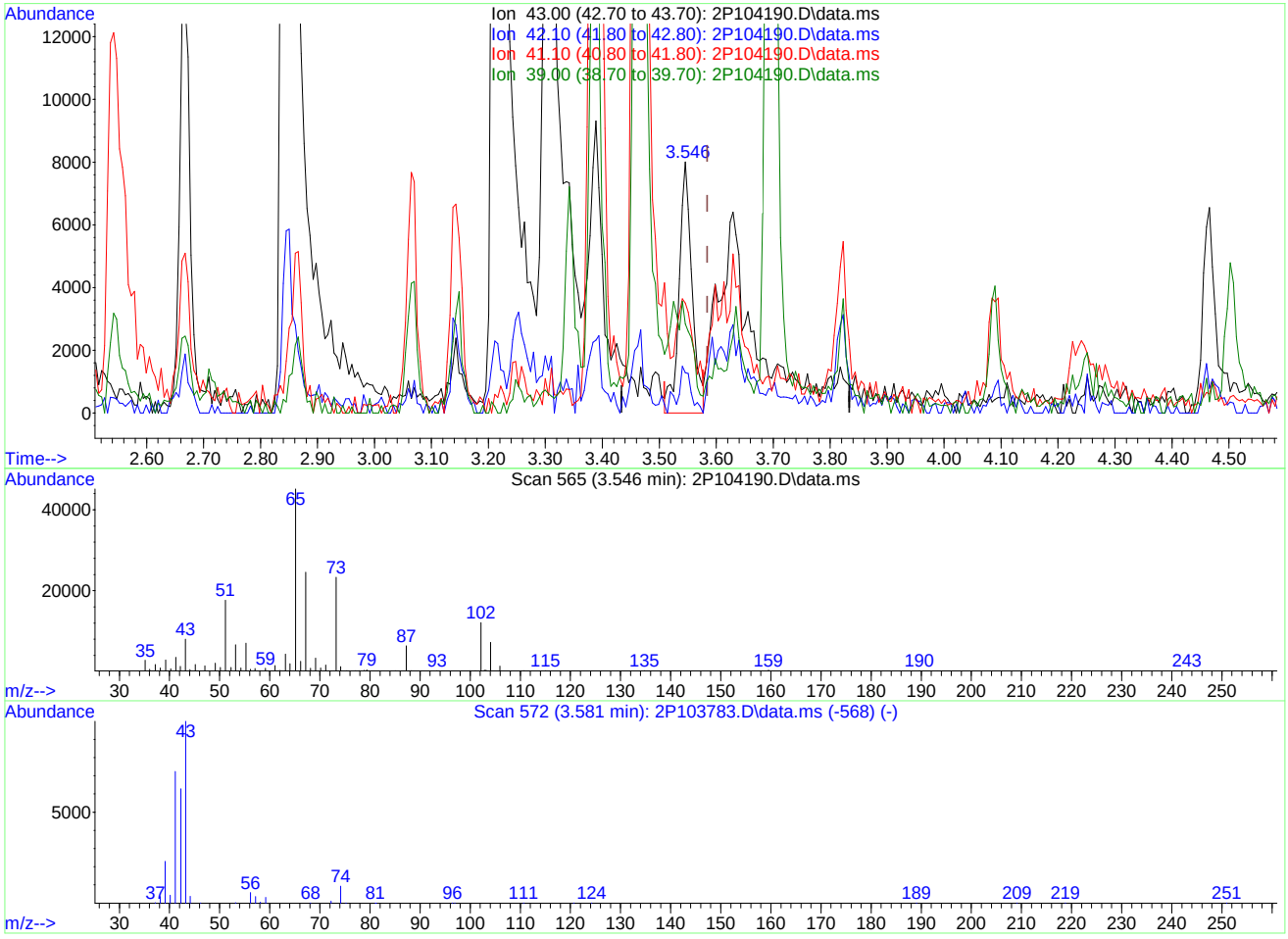
response 9975

Ion	Exp%	Act%
43.00	100	100
42.10	61.30	17.14
41.10	74.10	31.71
39.00	25.90	30.56

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104190.D
Acq On : 7 Feb 2024 9:21 am
Operator : LIANAT
Sample : IC3959-8 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 07 12:16:37 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration



TIC: 2P104190.D\data.ms

(50) Isobutyl alcohol

3.546min (-0.038) 25.80ug/L m

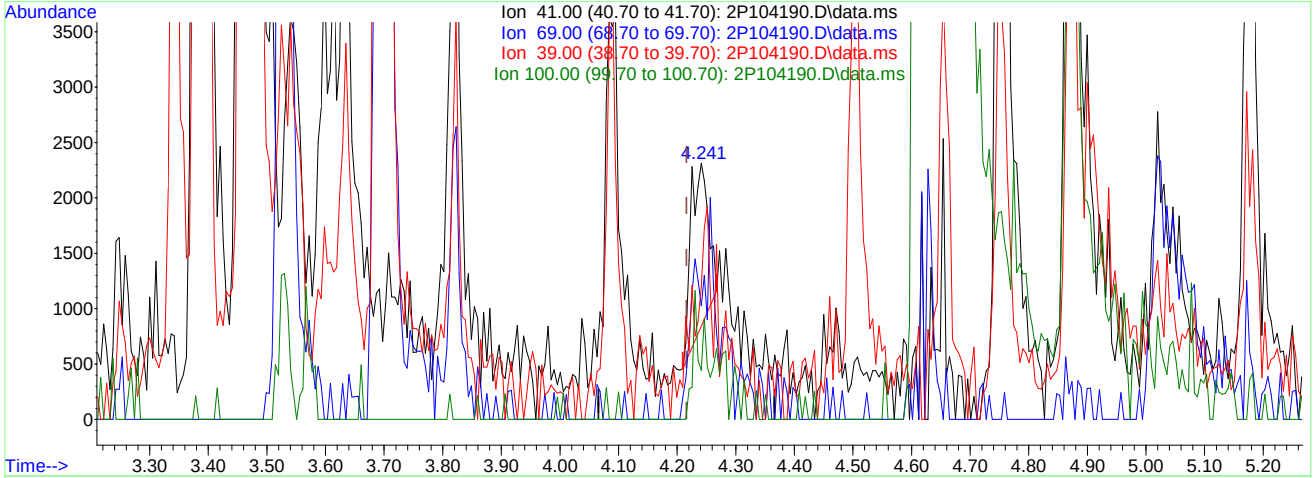
response 12691

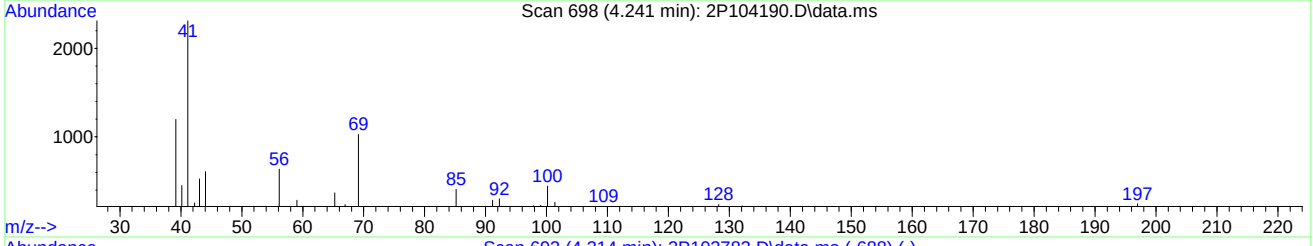
Ion	Exp%	Act%
43.00	100	100
42.10	61.30	16.13
41.10	74.10	43.78
39.00	25.90	35.51

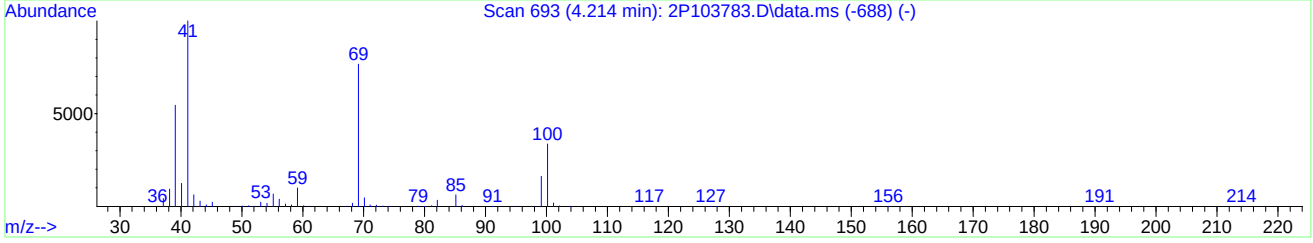
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104190.D
Acq On : 7 Feb 2024 9:21 am
Operator : LIANAT
Sample : IC3959-8 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 07 12:16:37 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration







TIC: 2P104190.D\data.ms

(58) Methyl methacrylate

4.241min (+0.025) 0.58ug/L

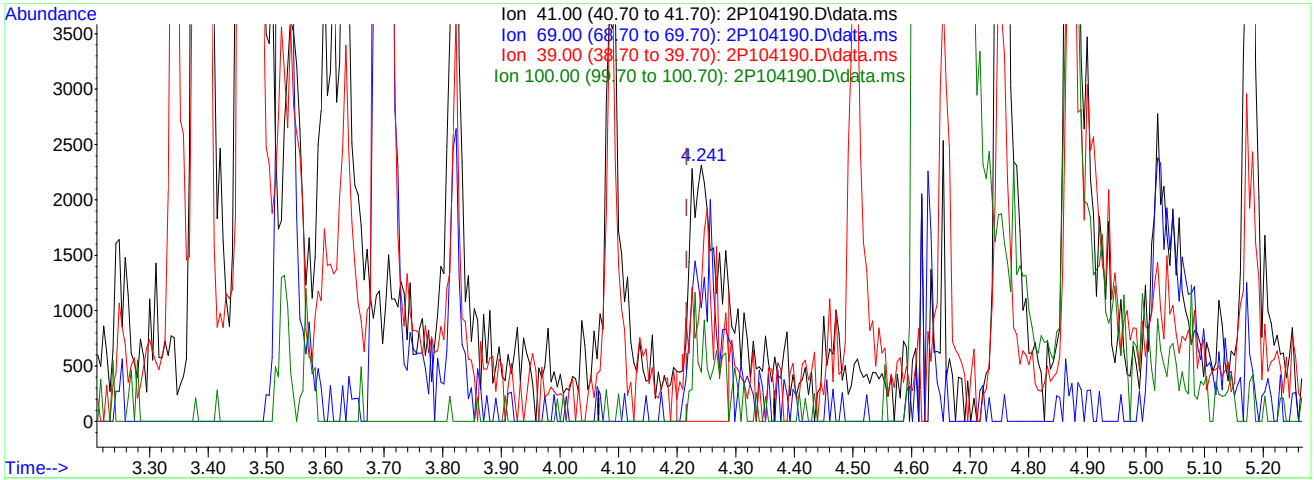
response 3212

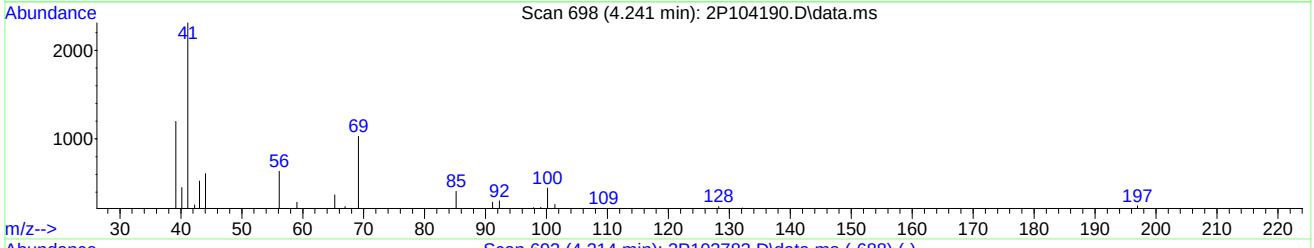
Ion	Exp%	Act%
41.00	100	100
69.00	76.90	44.61#
39.00	56.00	49.03
100.00	31.10	23.95

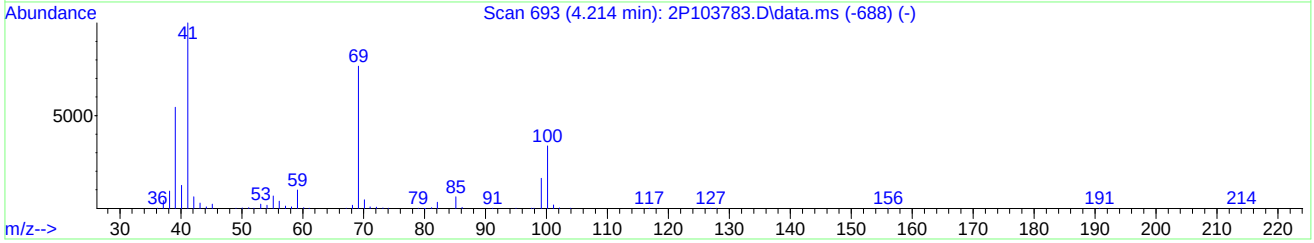
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104190.D
Acq On : 7 Feb 2024 9:21 am
Operator : LIANAT
Sample : IC3959-8 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 07 12:16:37 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration







TIC: 2P104190.D\data.ms

(58) Methyl methacrylate

4.241min (+0.025) 1.42ug/L m

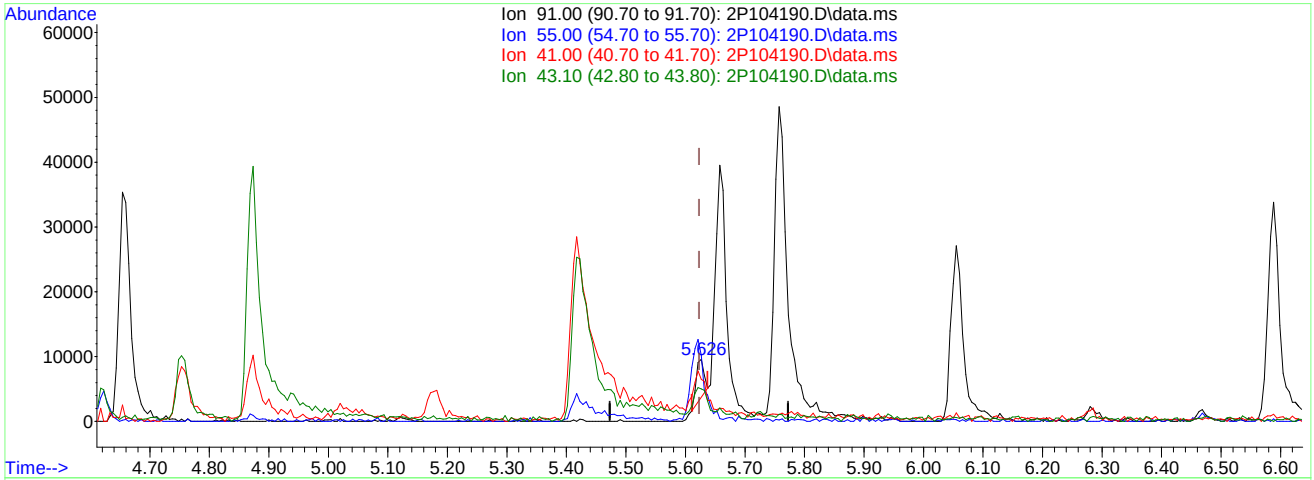
response 7901

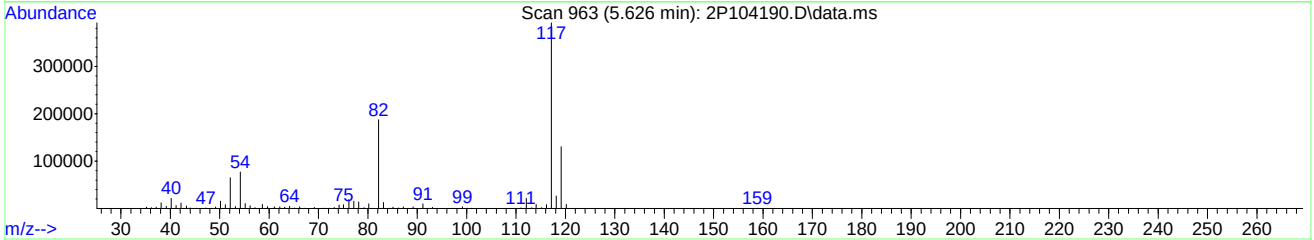
Ion	Exp%	Act%
41.00	100	100
69.00	76.90	44.46#
39.00	56.00	51.86
100.00	31.10	19.20

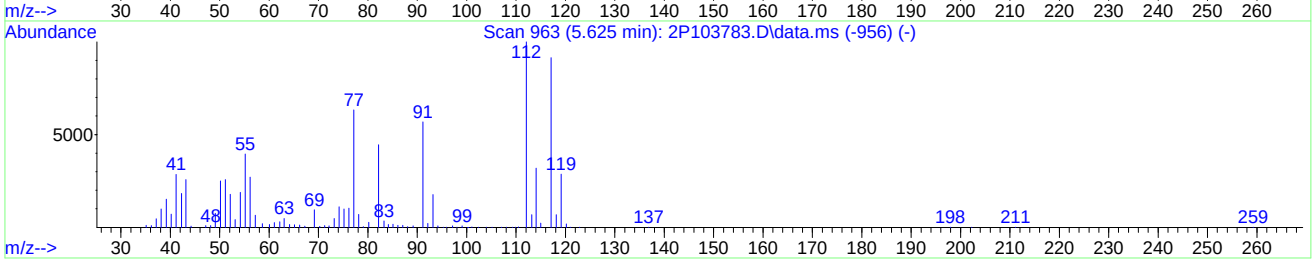
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104190.D
Acq On : 7 Feb 2024 9:21 am
Operator : LIANAT
Sample : IC3959-8 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 07 12:16:37 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration







TIC: 2P104190.D\data.ms

(76) 1-Chlorohexane

5.626min (+0.003) 0.85ug/L

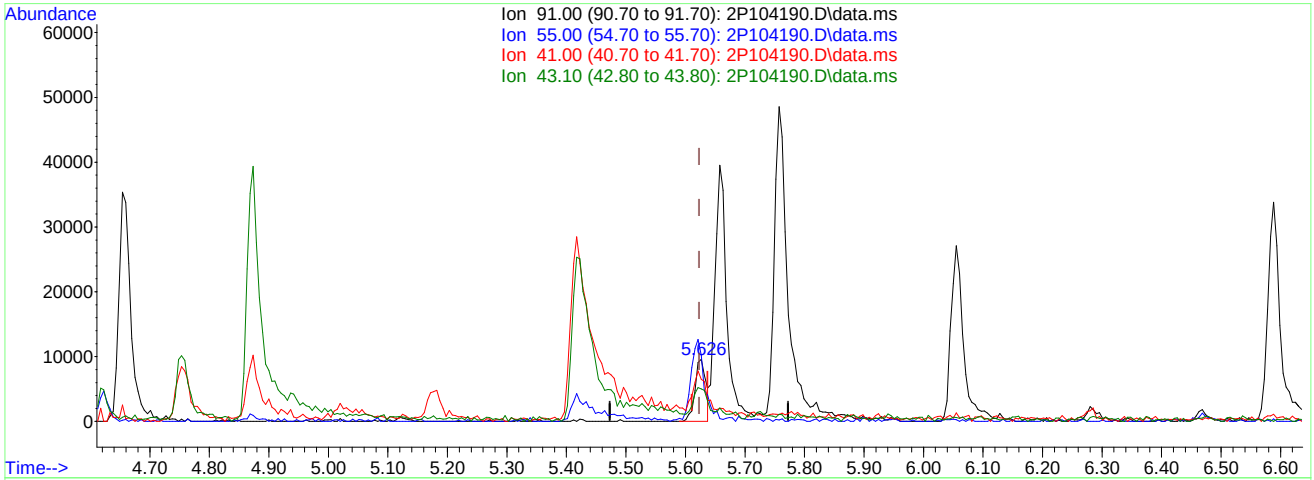
response 6416

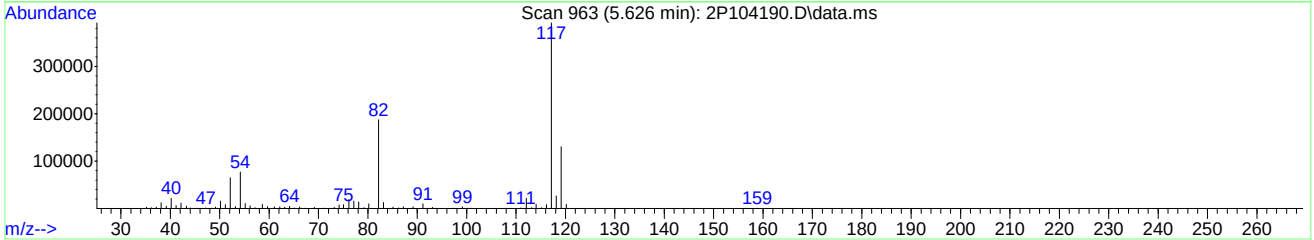
Ion	Exp%	Act%
91.00	100	100
55.00	75.40	76.60
41.00	56.40	41.40
43.10	46.70	33.36

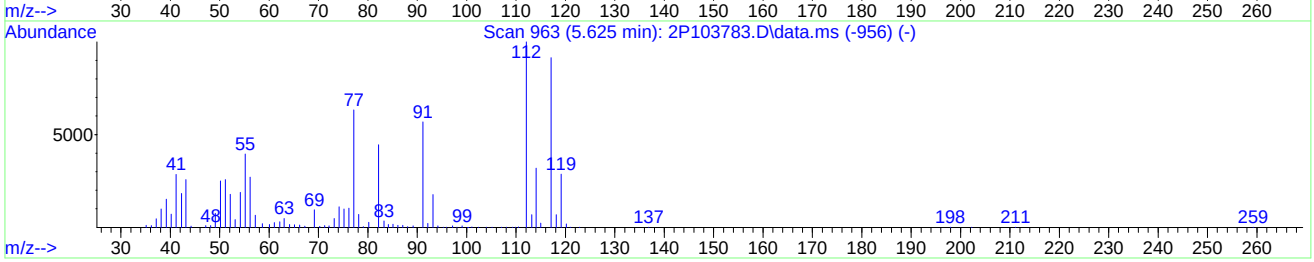
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104190.D
Acq On : 7 Feb 2024 9:21 am
Operator : LIANAT
Sample : IC3959-8 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 07 12:16:37 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration







TIC: 2P104190.D\data.ms

(76) 1-Chlorohexane

5.626min (+0.003) 1.60ug/L m

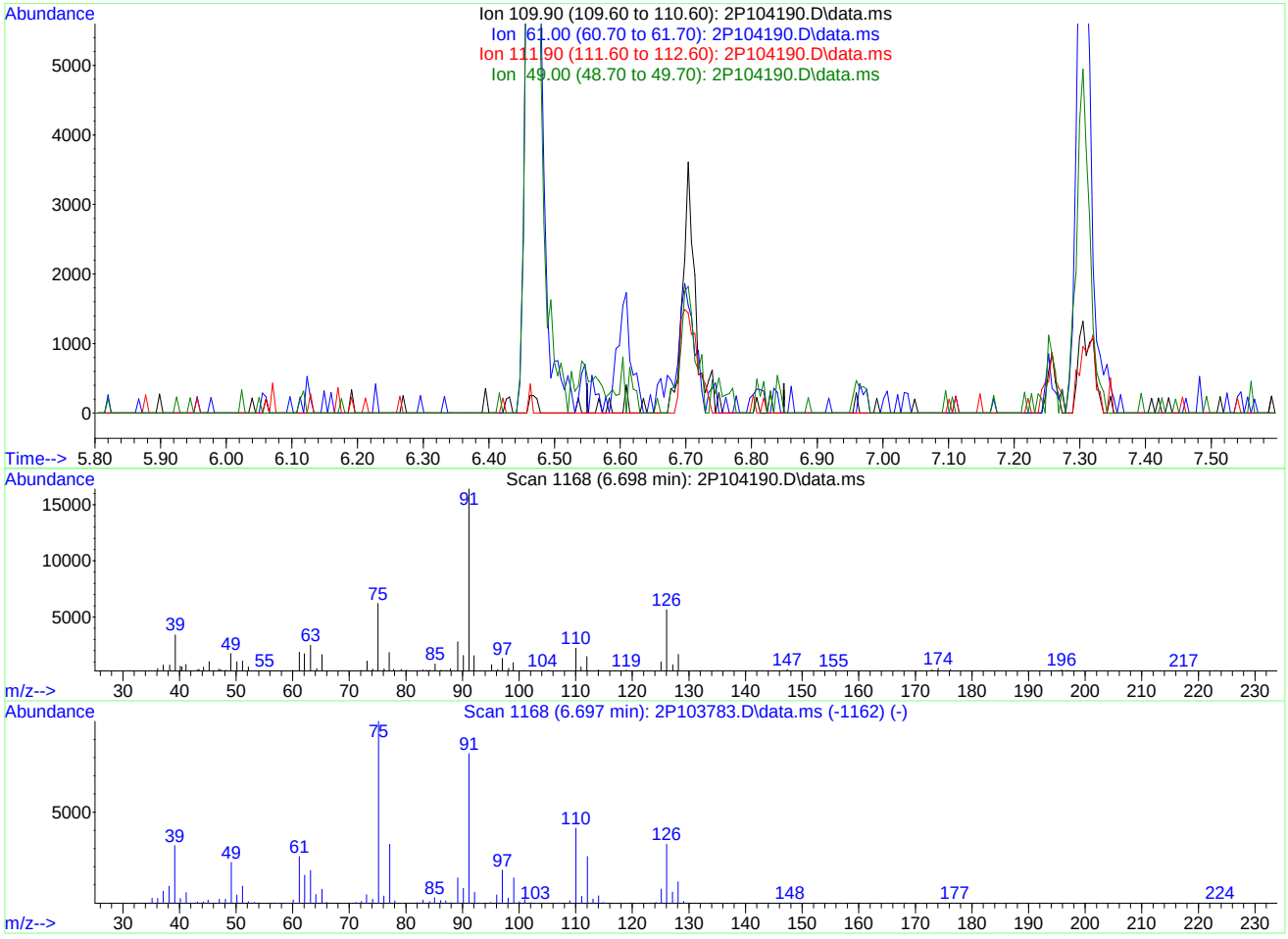
response 12149

Ion	Exp%	Act%
91.00	100	100
55.00	75.40	106.26#
41.00	56.40	67.74
43.10	46.70	52.24

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104190.D
Acq On : 7 Feb 2024 9:21 am
Operator : LIANAT
Sample : IC3959-8 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 07 12:16:37 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration



TIC: 2P104190.D\data.ms

(94) 1,2,3-Trichloropropane ( )

6.700min (-6.700) 0.00ug/L

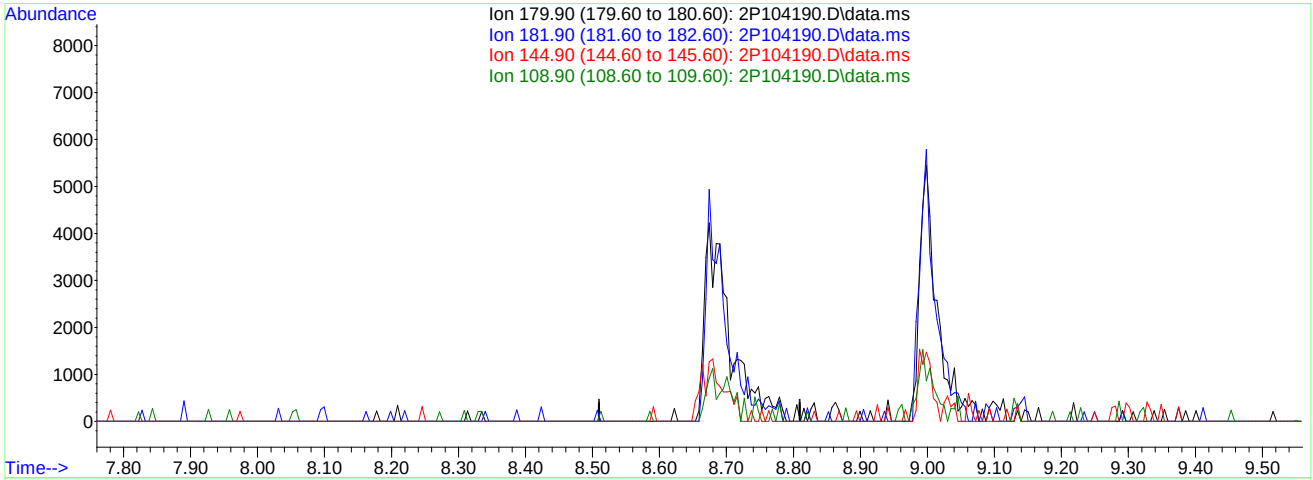
response 0

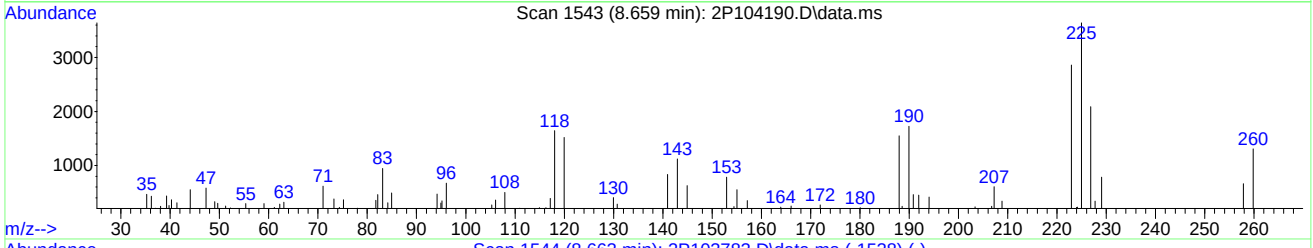
Ion	Exp%	Act%
109.90	100	0.00
61.00	66.30	0.00#
111.90	67.00	0.00#
49.00	51.00	0.00#

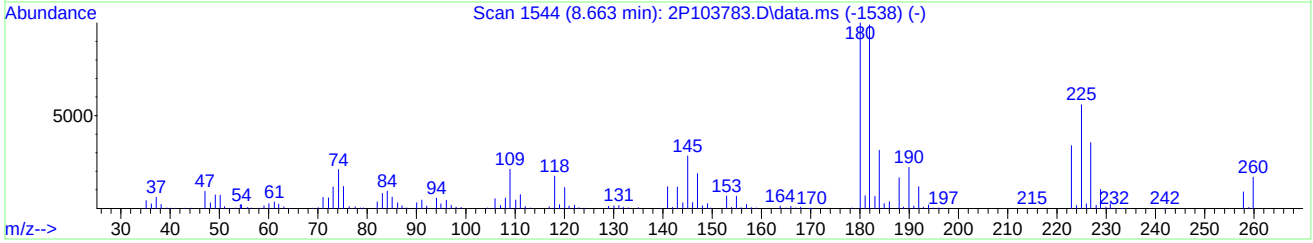
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104190.D
Acq On : 7 Feb 2024 9:21 am
Operator : LIANAT
Sample : IC3959-8 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 07 12:16:37 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration







TIC: 2P104190.D\data.ms

(111) 1,2,4-Trichlorobenzene ( )

8.660min (-8.660) 0.00ug/L

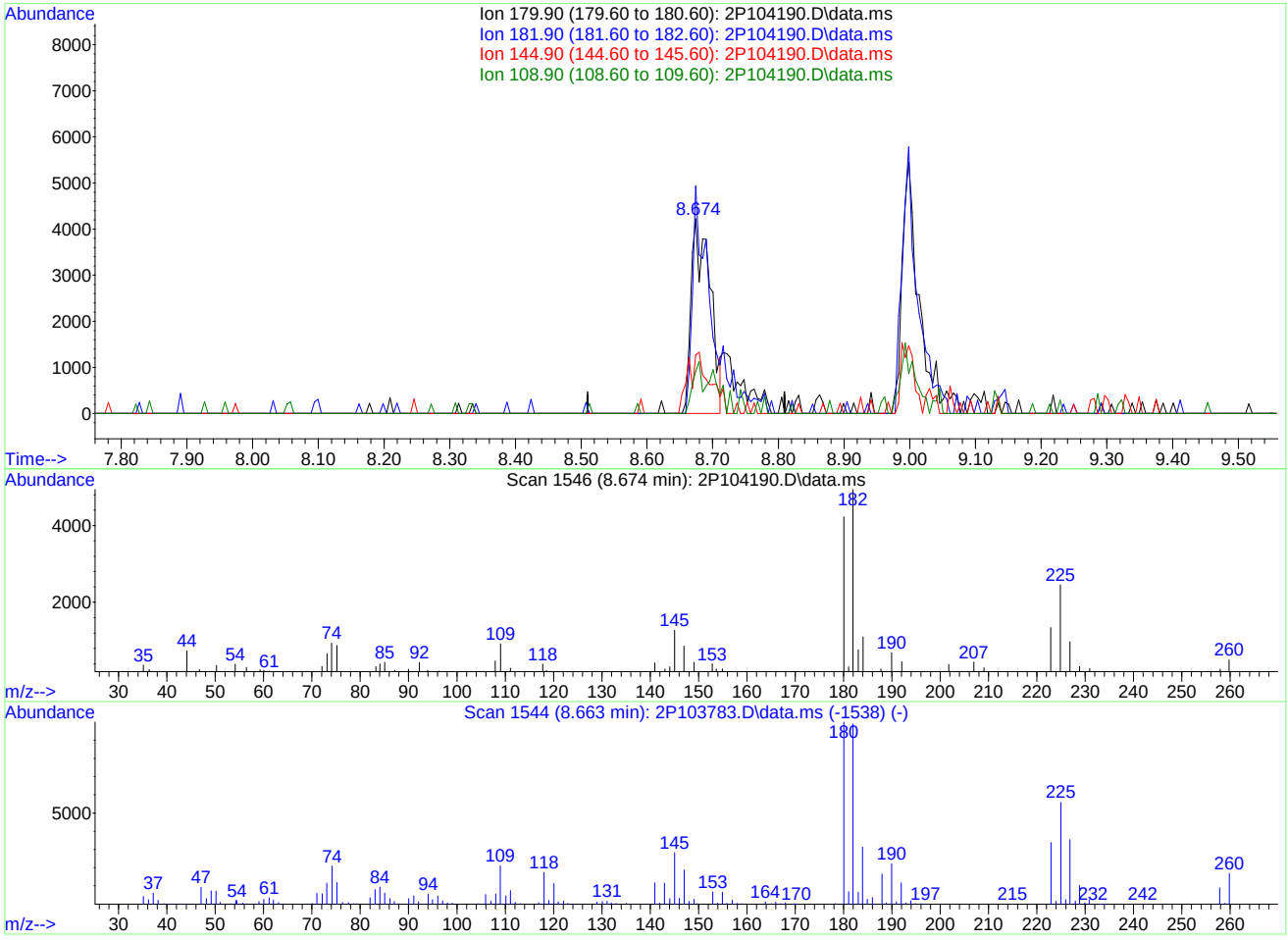
response 0

Ion	Exp%	Act%
179.90	100	0.00
181.90	95.40	0.00#
144.90	34.30	0.00#
108.90	25.20	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104190.D
Acq On : 7 Feb 2024 9:21 am
Operator : LIANAT
Sample : IC3959-8 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 07 12:16:37 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration



TIC: 2P104190.D\data.ms

(111) 1,2,4-Trichlorobenzene ( )

8.674min (+0.014) 1.85ug/L m

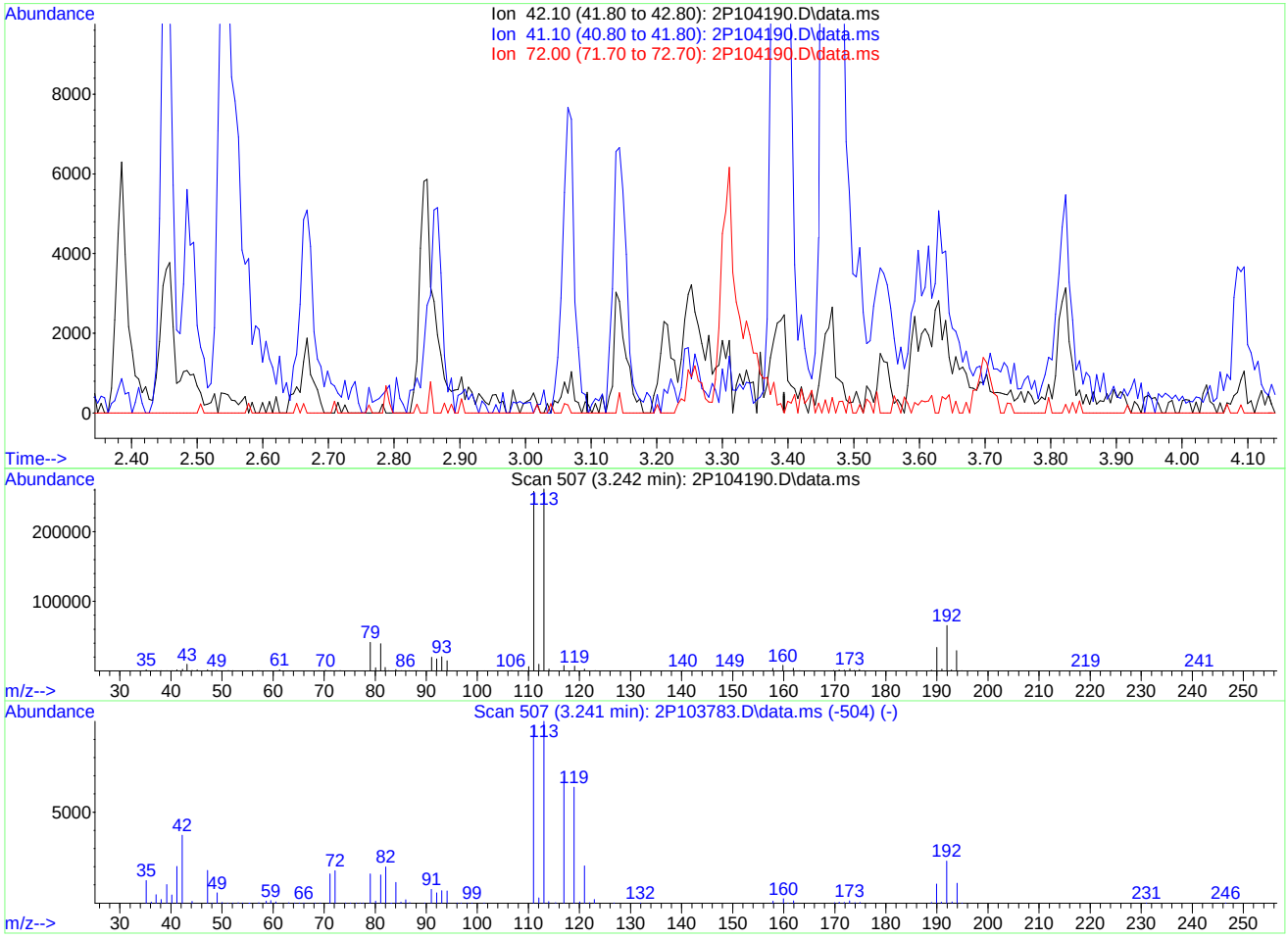
response 8565

Ion	Exp%	Act%
179.90	100	100
181.90	95.40	116.84
144.90	34.30	30.12
108.90	25.20	21.67

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104190.D
Acq On : 7 Feb 2024 9:21 am
Operator : LIANAT
Sample : IC3959-8 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 07 12:47:38 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration



TIC: 2P104190.D\data.ms

(38) Tetrahydrofuran

3.244min (-3.244) 0.00ug/L

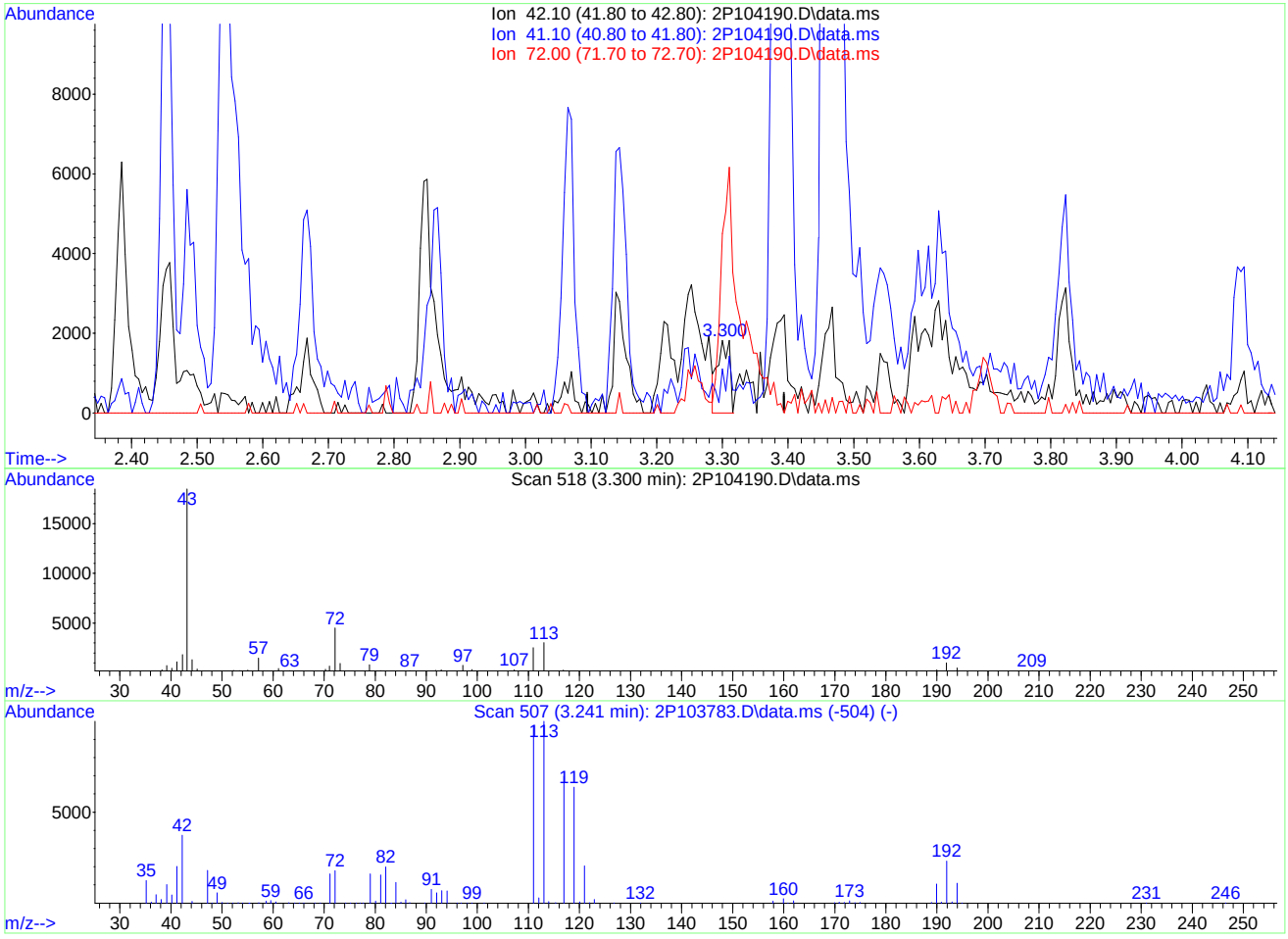
response 0

Ion	Exp%	Act%
42.10	100	0.00
41.10	55.50	0.00#
72.00	48.50	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104190.D
Acq On : 7 Feb 2024 9:21 am
Operator : LIANAT
Sample : IC3959-8 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 07 12:47:38 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration



TIC: 2P104190.D\data.ms

(38) Tetrahydrofuran

3.300min (+0.056) 0.62ug/L m

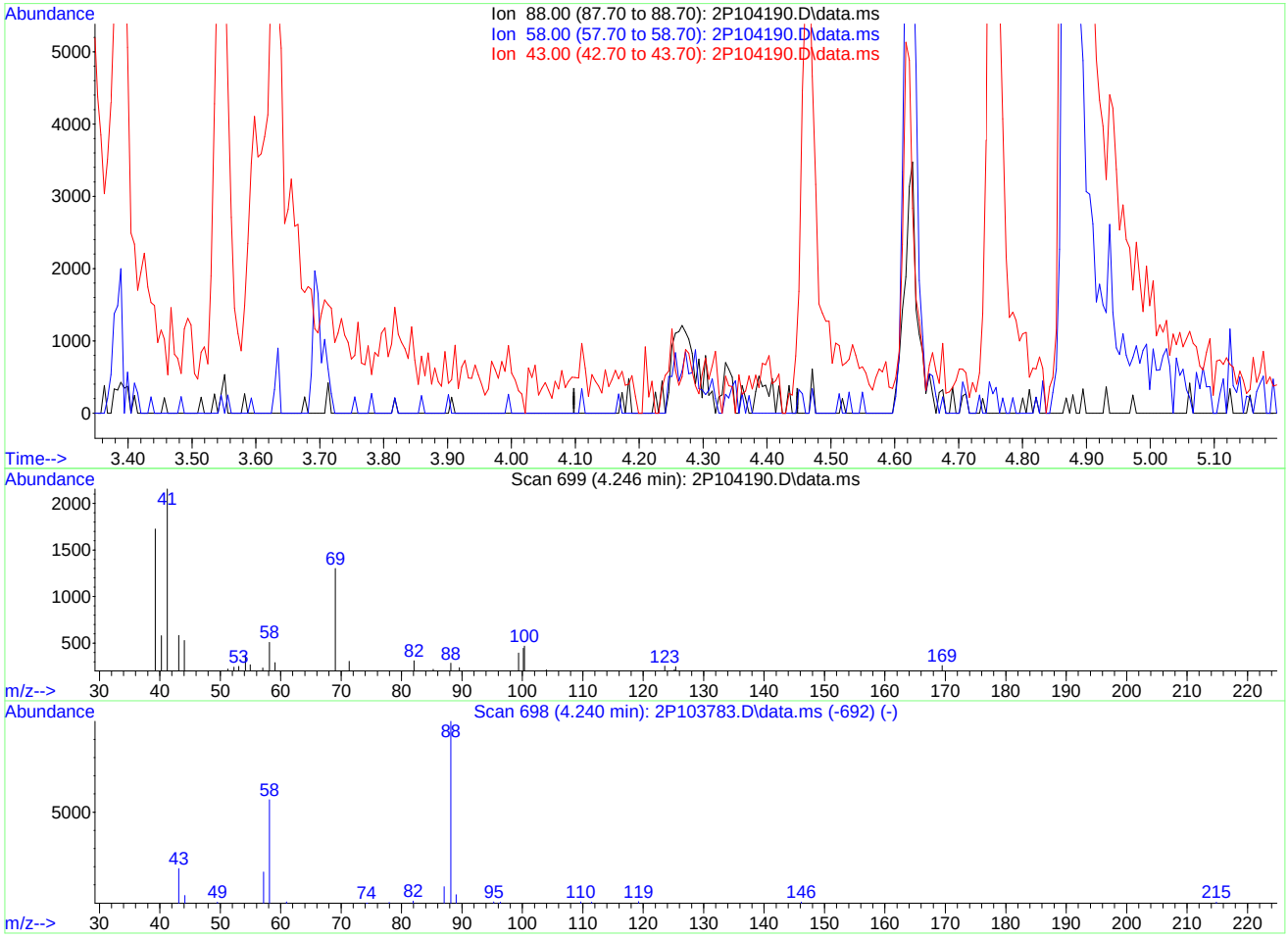
response 2301

Ion	Exp%	Act%
42.10	100	100
41.10	55.50	60.56
72.00	48.50	247.01#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104190.D
Acq On : 7 Feb 2024 9:21 am
Operator : LIANAT
Sample : IC3959-8 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 07 12:47:38 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration



TIC: 2P104190.D\data.ms

(59) 1,4-Dioxane

4.248min 0.00ug/L d

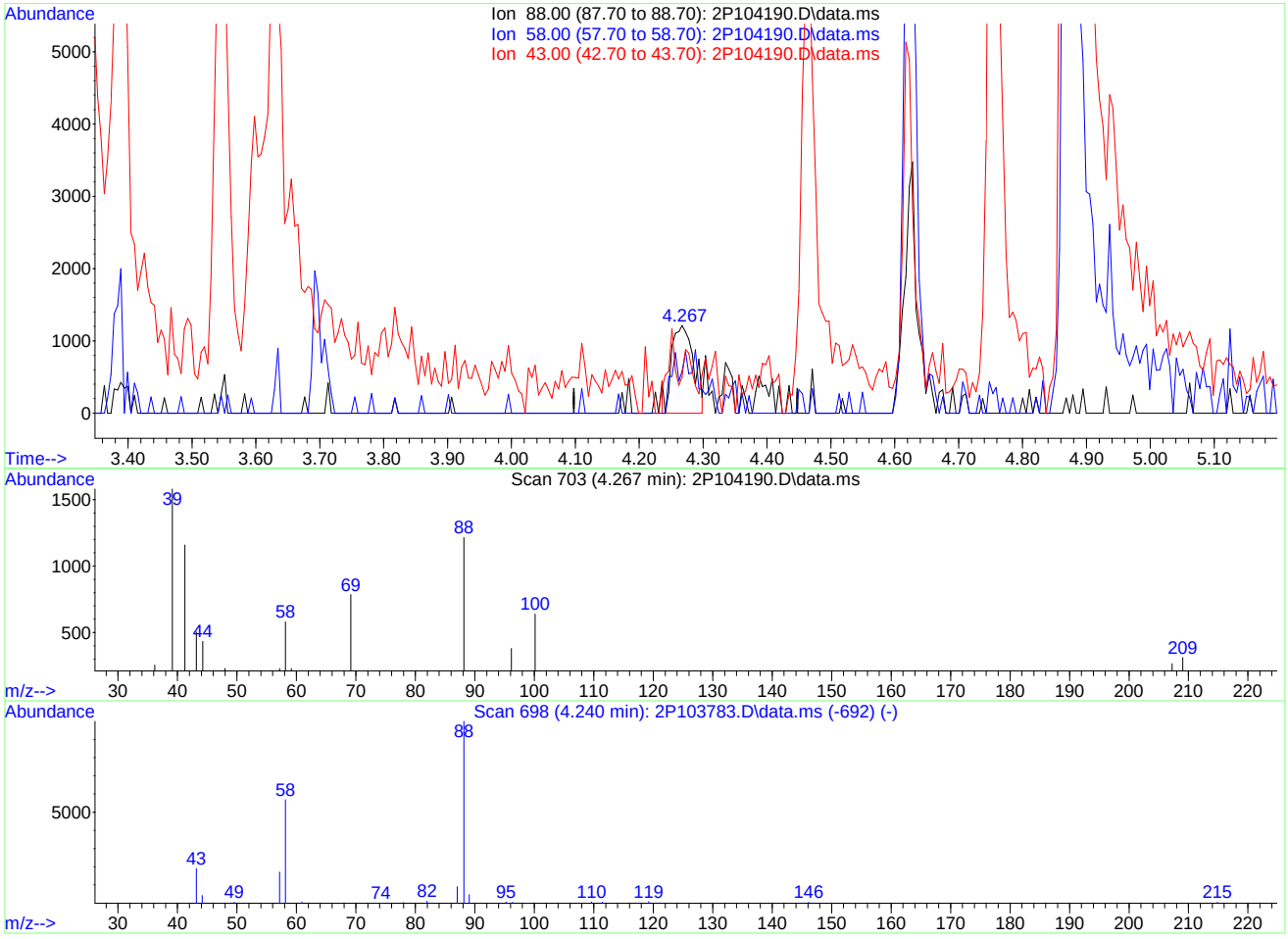
response 0

Ion	Exp%	Act%
88.00	100	0.00
58.00	62.50	0.00
43.00	30.10	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104190.D
Acq On : 7 Feb 2024 9:21 am
Operator : LIANAT
Sample : IC3959-8 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 07 12:47:38 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration



TIC: 2P104190.D\data.ms

(59) 1,4-Dioxane

4.267min (+0.019) 21.24ug/L m

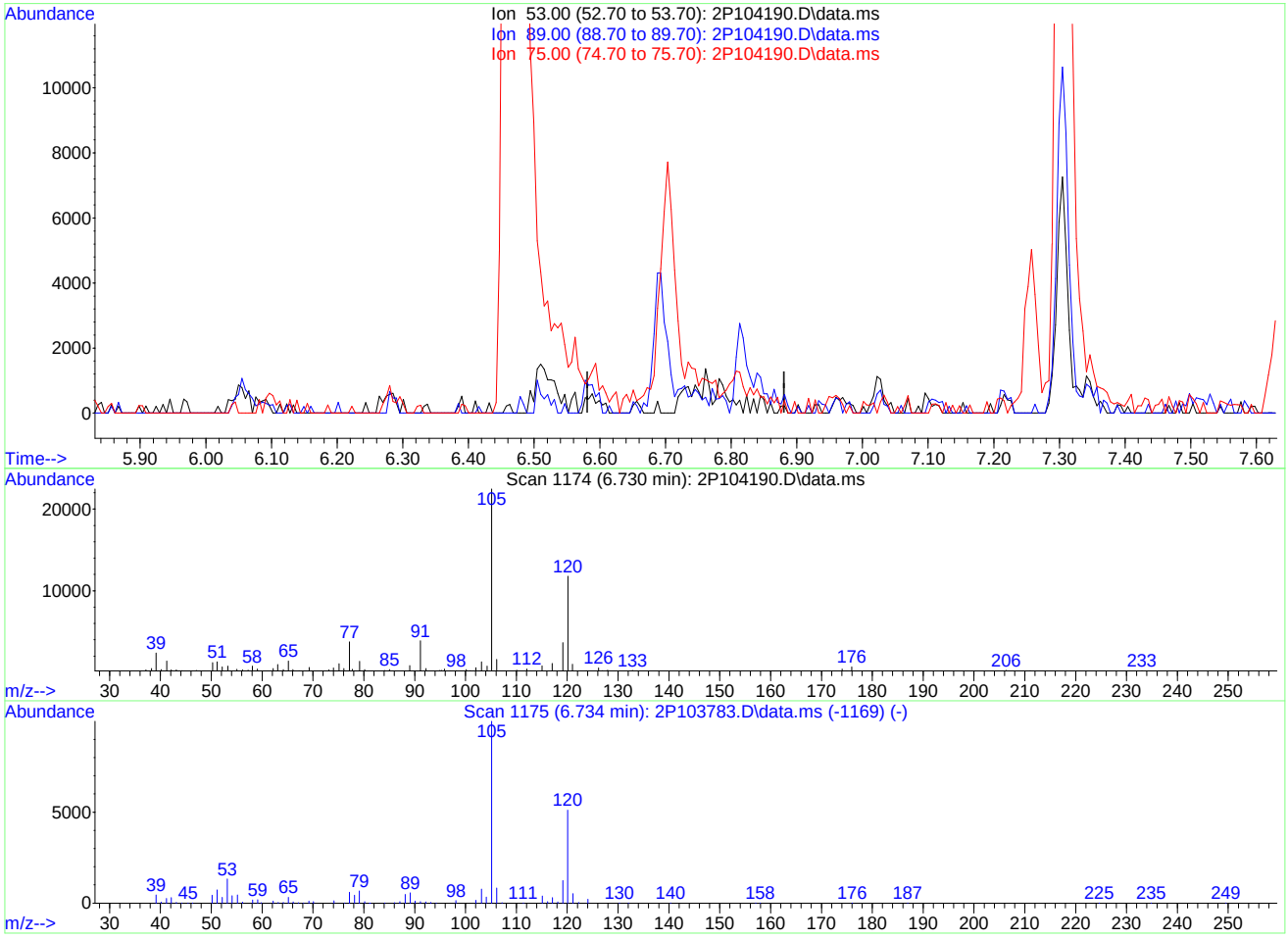
response 2823

Ion	Exp%	Act%
88.00	100	100
58.00	62.50	47.78
43.00	30.10	41.52
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104190.D
Acq On : 7 Feb 2024 9:21 am
Operator : LIANAT
Sample : IC3959-8 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 07 12:47:38 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration



TIC: 2P104190.D\data.ms

(93) trans-1,4-Dichloro-2-Butene

6.731min 0.00ug/L d

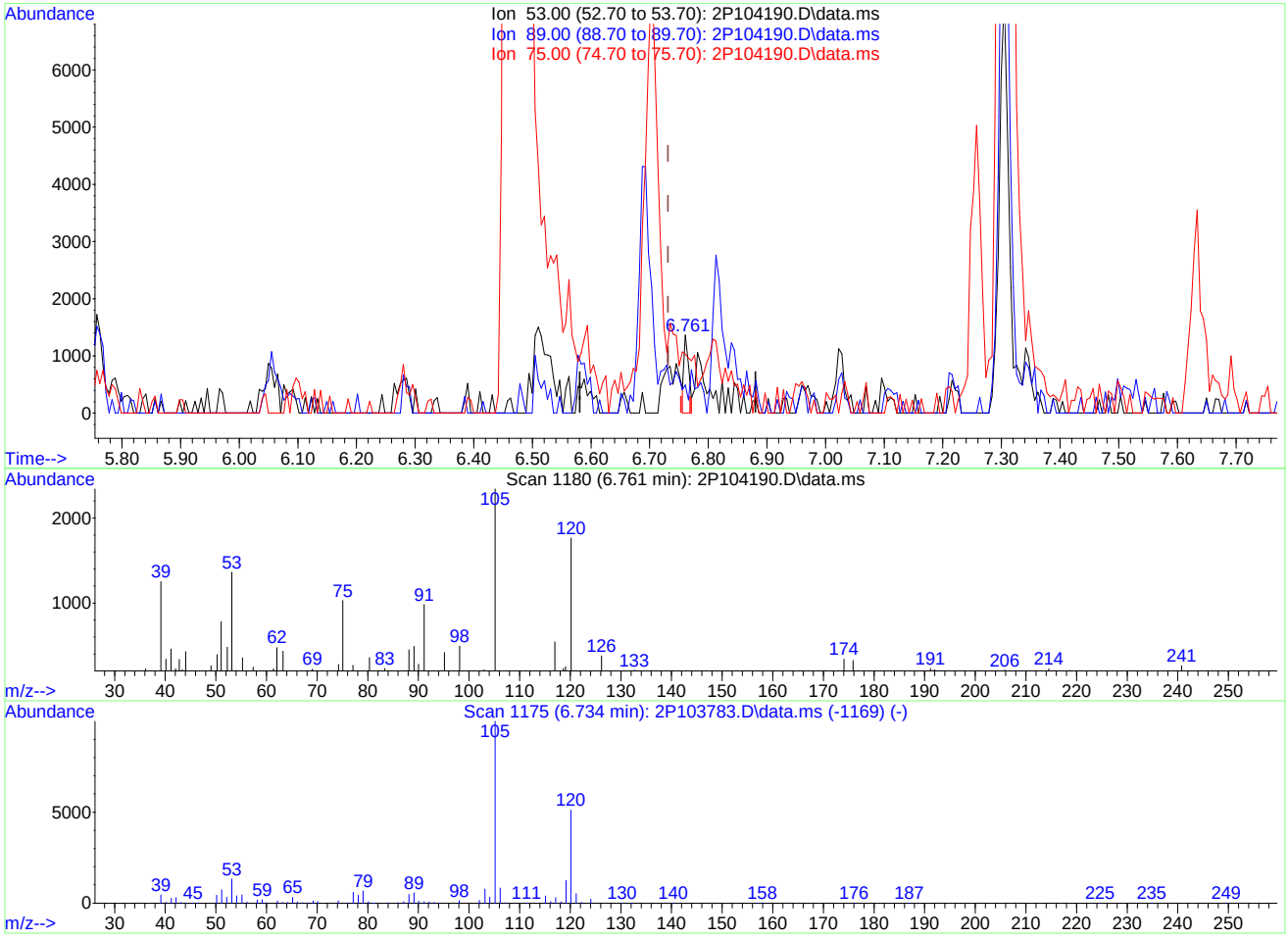
response 0

Ion	Exp%	Act%
53.00	100	0.00
89.00	43.10	0.00
75.00	88.80	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104190.D
Acq On : 7 Feb 2024 9:21 am
Operator : LIANAT
Sample : IC3959-8 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 07 12:47:38 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration



TIC: 2P104190.D\data.ms

(93) trans-1,4-Dichloro-2-Butene

6.761min (+0.030) 0.33ug/L m

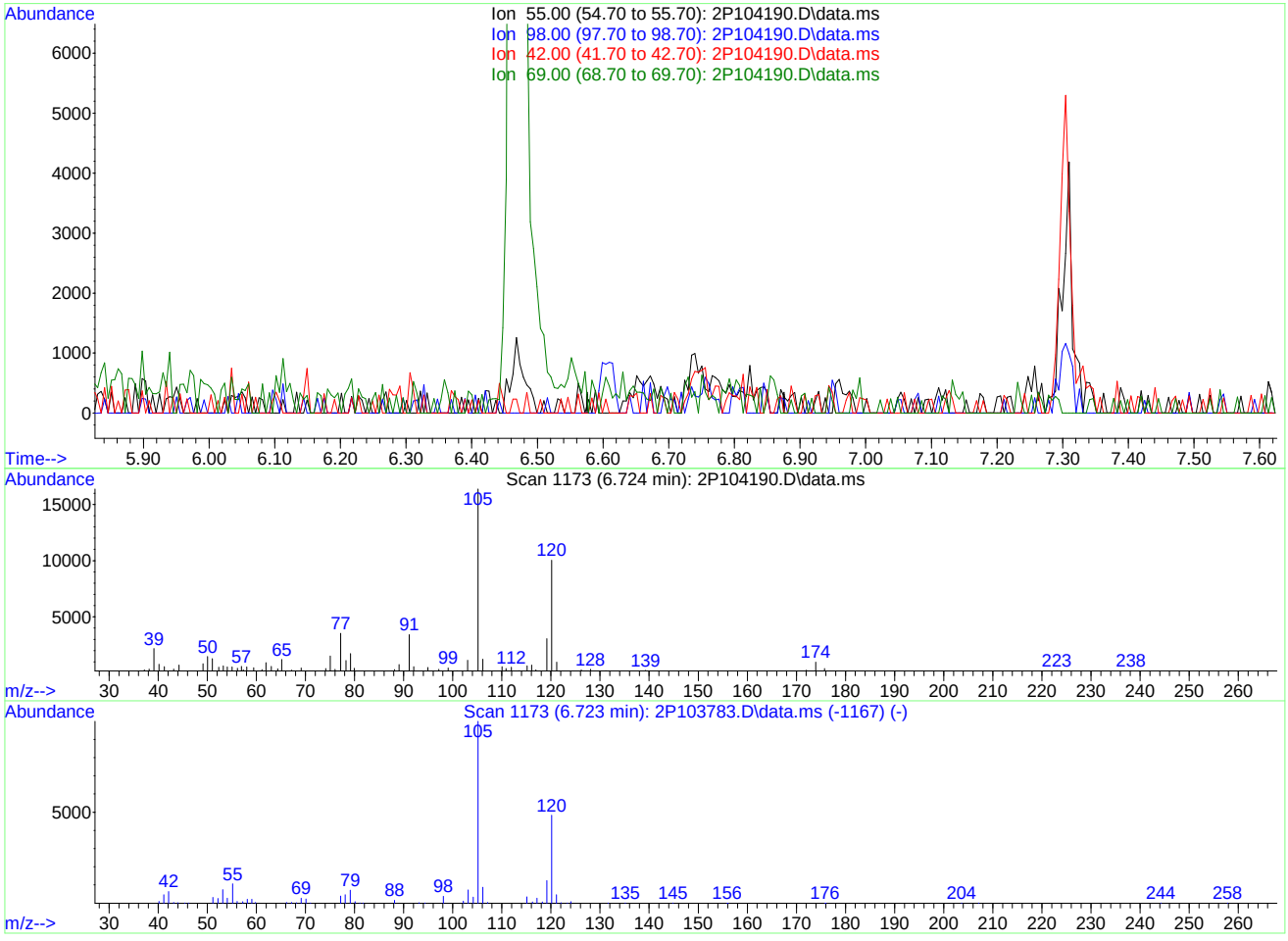
response 772

Ion	Exp%	Act%
53.00	100	100
89.00	43.10	36.02
75.00	88.80	75.50
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104190.D
Acq On : 7 Feb 2024 9:21 am
Operator : LIANAT
Sample : IC3959-8 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 07 12:47:38 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration



TIC: 2P104190.D\data.ms

(95) Cyclohexanone

6.726min (-6.726) 0.00ug/L

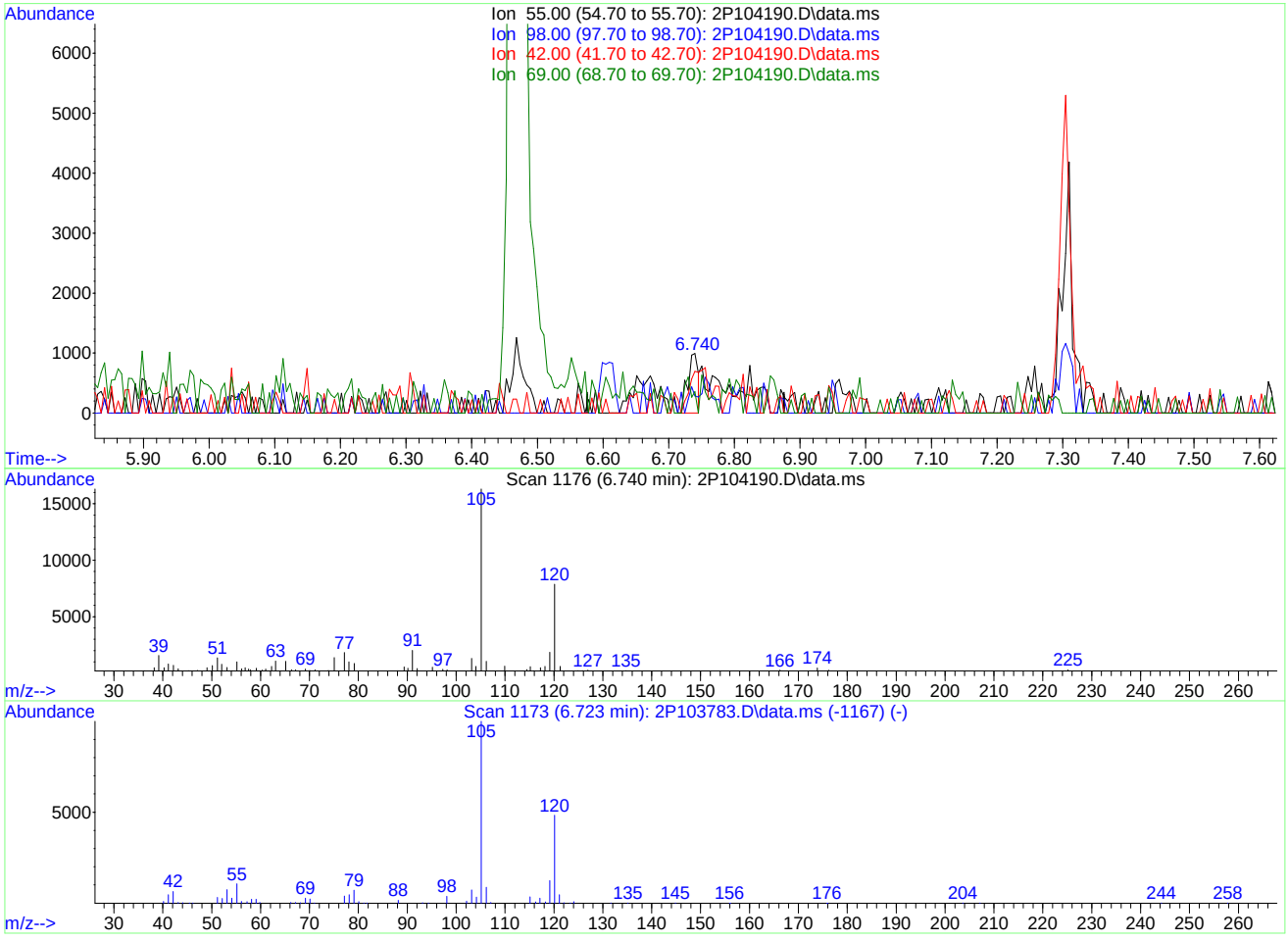
response 0

Ion	Exp%	Act%
55.00	100	0.00
98.00	48.80	0.00#
42.00	69.00	0.00#
69.00	30.90	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104190.D
Acq On : 7 Feb 2024 9:21 am
Operator : LIANAT
Sample : IC3959-8 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 07 12:47:38 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration



TIC: 2P104190.D\data.ms

(95) Cyclohexanone

6.740min (+0.014) 2.53ug/L m

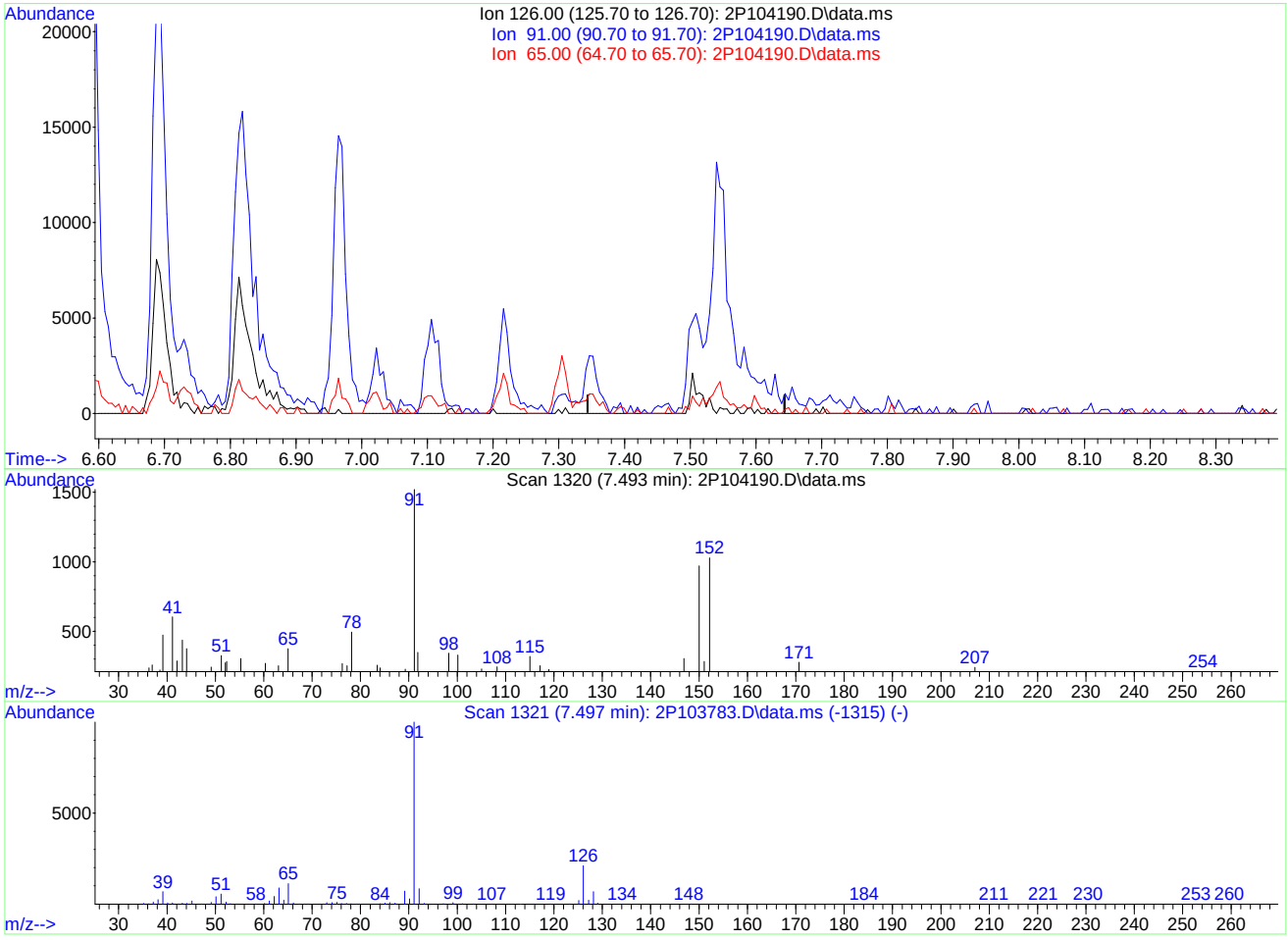
response 1114

Ion	Exp%	Act%
55.00	100	100
98.00	48.80	28.54#
42.00	69.00	70.05
69.00	30.90	36.08

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104190.D
Acq On : 7 Feb 2024 9:21 am
Operator : LIANAT
Sample : IC3959-8 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 07 12:47:38 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration



TIC: 2P104190.D\data.ms

(107) Benzyl Chloride

7.494min (-7.494) 0.00ug/L

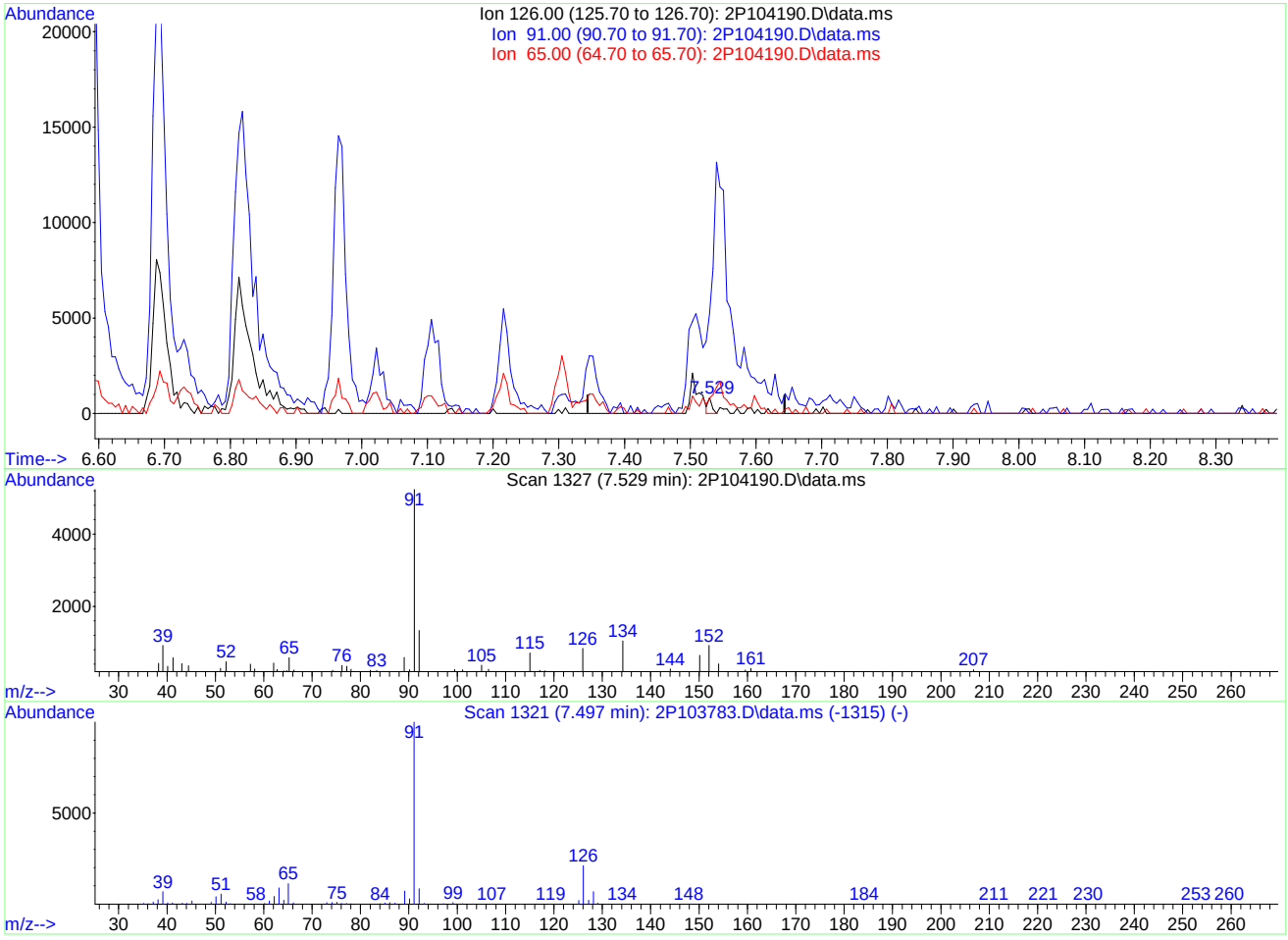
response 0

Ion	Exp%	Act%
126.00	100	0.00
91.00	519.50	0.00#
65.00	65.70	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104190.D
Acq On : 7 Feb 2024 9:21 am
Operator : LIANAT
Sample : IC3959-8 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 07 12:47:38 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration



TIC: 2P104190.D\data.ms

(107) Benzyl Chloride

7.529min (+0.035) 0.15ug/L m

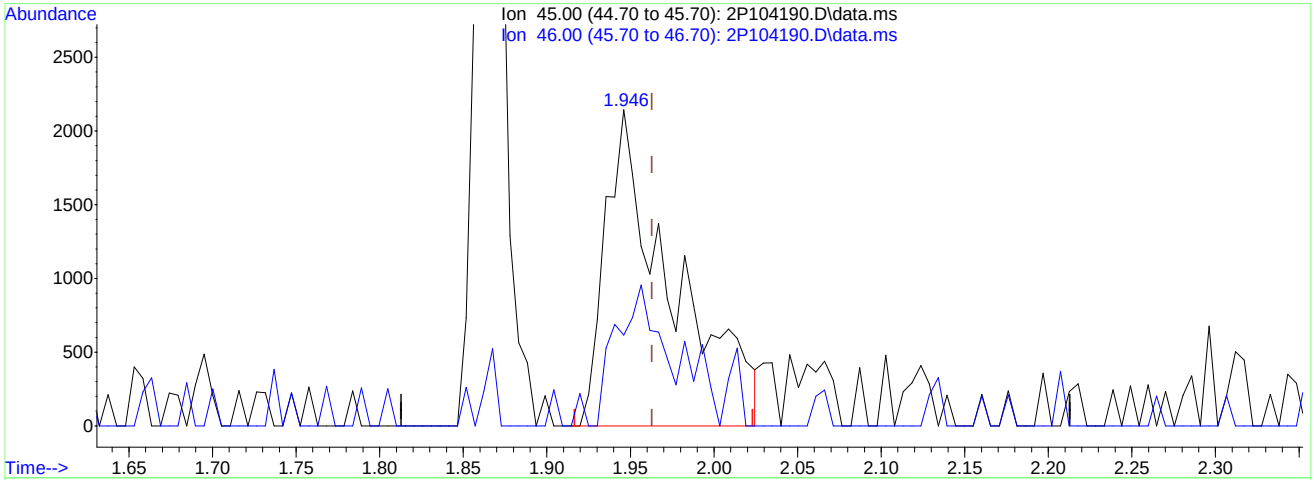
response 333

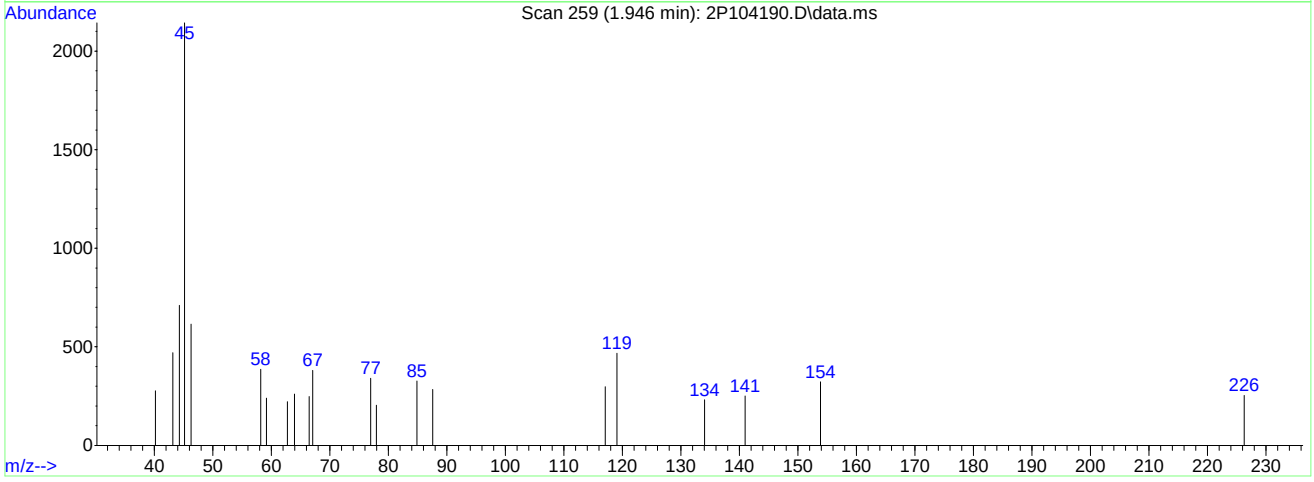
Ion	Exp%	Act%
126.00	100	100
91.00	519.50	626.16#
65.00	65.70	69.53
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104190.D
Acq On : 7 Feb 2024 9:21 am
Operator : LIANAT
Sample : IC3959-8 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 07 13:16:41 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration





TIC: 2P104190.D\data.ms

(10) Ethanol

1.946min (-0.017) 38.07ug/L m

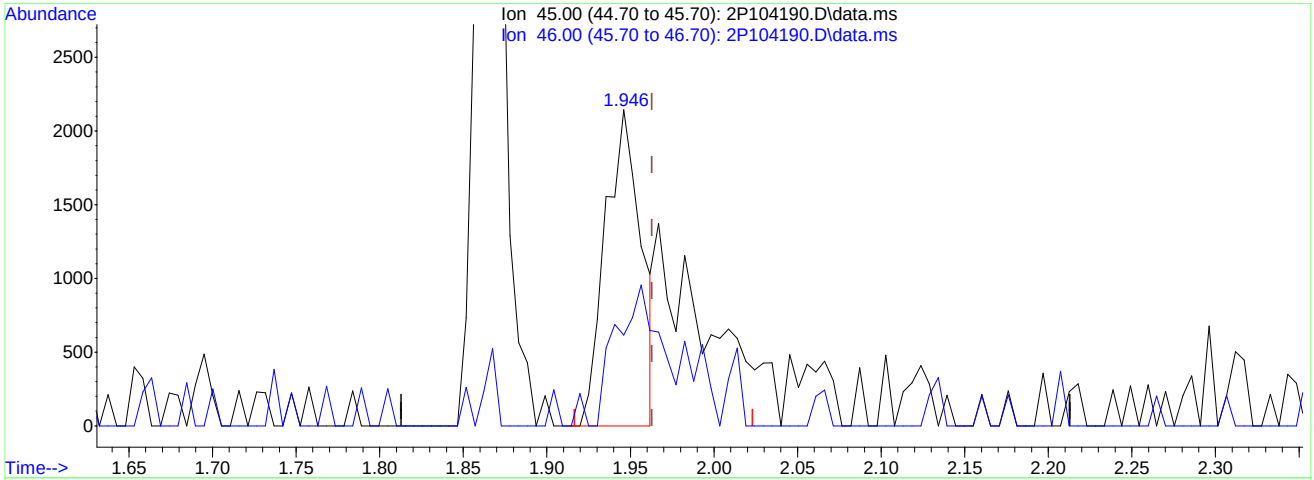
response 5880

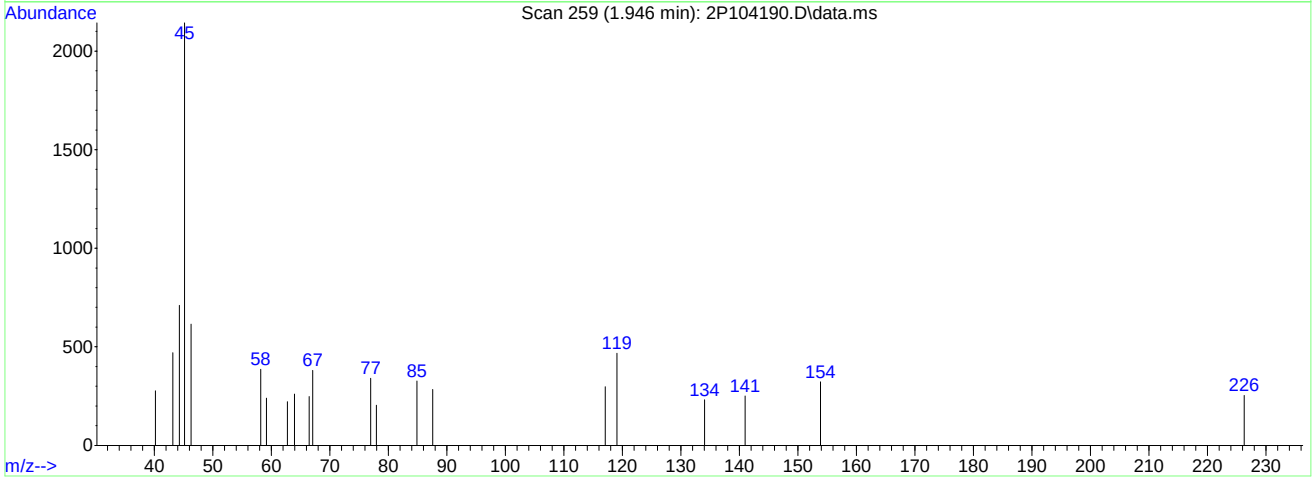
Ion	Exp%	Act%
45.00	100	100
46.00	38.40	28.68
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104190.D
Acq On : 7 Feb 2024 9:21 am
Operator : LIANAT
Sample : IC3959-8 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 07 13:16:41 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration





TIC: 2P104190.D\data.ms

(10) Ethanol

1.946min (-0.017) 20.53ug/L m

response 3181

Ion	Exp%	Act%
45.00	100	100
46.00	38.40	28.68
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
02/08/24 11:45

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104191.D
Acq On : 7 Feb 2024 9:46 am
Operator : LIANAT
Sample : IC3959-2 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 07 13:20:10 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	3.699	96	1470553	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.618	117	1003425	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.306	152	508498	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.244	113	315629	51.04	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.08%			
49) 1,2-Dichloroethane-d4	3.532	65	397428	50.88	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 101.76%			
63) Toluene-d8	4.624	98	1413670	48.33	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 96.66%			
86) 4-Bromofluorobenzene	6.470	174	449179	53.68	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 107.36%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.122	85	25656	8.01	ug/L	94
3) Chloromethane	1.242	50	36338	7.90	ug/L	95
4) 1,3-butadiene	1.315	39	30813	4.81	ug/L	97
5) Vinyl Chloride	1.299	62	32939	6.39	ug/L	91
6) Bromomethane	1.503	94	19313	7.41	ug/L	91
7) Chloroethane	1.582	64	14819	8.51	ug/L	89
8) Trichlorofluoromethane	1.676	101	47585	5.49	ug/L	100
9) Ethyl Ether	1.864	59	24770	4.37	ug/L	92
10) Ethanol	1.948	45	11870	75.49	ug/L	91
11) 1,2-Dichlorotrifluoroe...	1.963	67	27835	4.65	ug/L	90
12) 1,1-Dichloroethene	1.974	61	36868	4.64	ug/L	96
13) Freon 113	2.005	101	20160	4.42	ug/L	95
14) Carbon Disulfide	1.995	76	67382	4.57	ug/L	98
15) Iodomethane	2.052	142	18017	4.83	ug/L	93
16) Acrolein	2.141	56	44355	24.60	ug/L	100
17) Allyl chloride	2.235	41	35520	4.55	ug/L	97
18) Methylene Chloride	2.288	49	45158	6.12	ug/L	95
19) Acetone	2.303	43	74224	21.98	ug/L	95
20) Methyl acetate	2.382	43	174064	20.83	ug/L	99
21) trans-1,2-Dichloroethene	2.387	61	34743	4.29	ug/L	93
22) Hexane	2.455	56	16567	3.87	ug/L #	80
23) Methyl Tert Butyl Ether	2.455	73	82647	4.41	ug/L	92
24) Tert Butyl Alcohol	2.486	59	82482	41.40	ug/L	99
25) Acetonitrile	2.538	41	70094m	48.82	ug/L	
26) Di-isopropyl ether	2.669	45	89841	4.69	ug/L	98
27) Chloroprene	2.711	53	124455	4.64	ug/L	98
28) 1,1-Dichloroethane	2.711	63	52030	4.75	ug/L	93
29) Acrylonitrile	2.711	52	83215	23.62	ug/L	90
30) ETBE	2.863	59	88025	4.63	ug/L	91
31) Vinyl acetate	2.842	43	326007	24.75	ug/L	100
32) cis-1,2-Dichloroethene	3.004	96	27458	4.30	ug/L	89
33) 2,2-Dichloropropane	3.066	77	35251	4.57	ug/L	97
34) Bromochloromethane	3.108	128	13386	4.83	ug/L	90
35) Cyclohexane	3.145	56	41359	4.30	ug/L	98
36) Chloroform	3.150	83	46629	4.50	ug/L	99
37) Ethyl acetate	3.213	43	223534	24.19	ug/L	96
38) Tetrahydrofuran	3.249	42	16598	4.35	ug/L	88
40) Carbon Tetrachloride	3.249	117	33823	5.04	ug/L	93
41) 1,1,1-Trichloroethane	3.276	97	38740	4.59	ug/L	88
42) 2-Butanone	3.302	43	117567	21.87	ug/L	96
43) 1,1-Dichloropropene	3.344	75	31714	4.24	ug/L	94
44) tert-Butyl formate	3.385	59	115390	25.86	ug/L	92
45) Propionitrile	3.443	54	59708	40.68	ug/L	92
46) Methacrylonitrile	3.464	41	238430	43.05	ug/L	98
47) Benzene	3.474	78	115578	4.55	ug/L	91
48) TAME	3.547	73	81262	4.57	ug/L	96
50) Isobutyl alcohol	3.584	43	26967m	53.47	ug/L	
51) 1,2-Dichloroethane	3.568	62	37348	4.51	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104191.D
Acq On : 7 Feb 2024 9:46 am
Operator : LIANAT
Sample : IC3959-2 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 07 13:20:10 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration

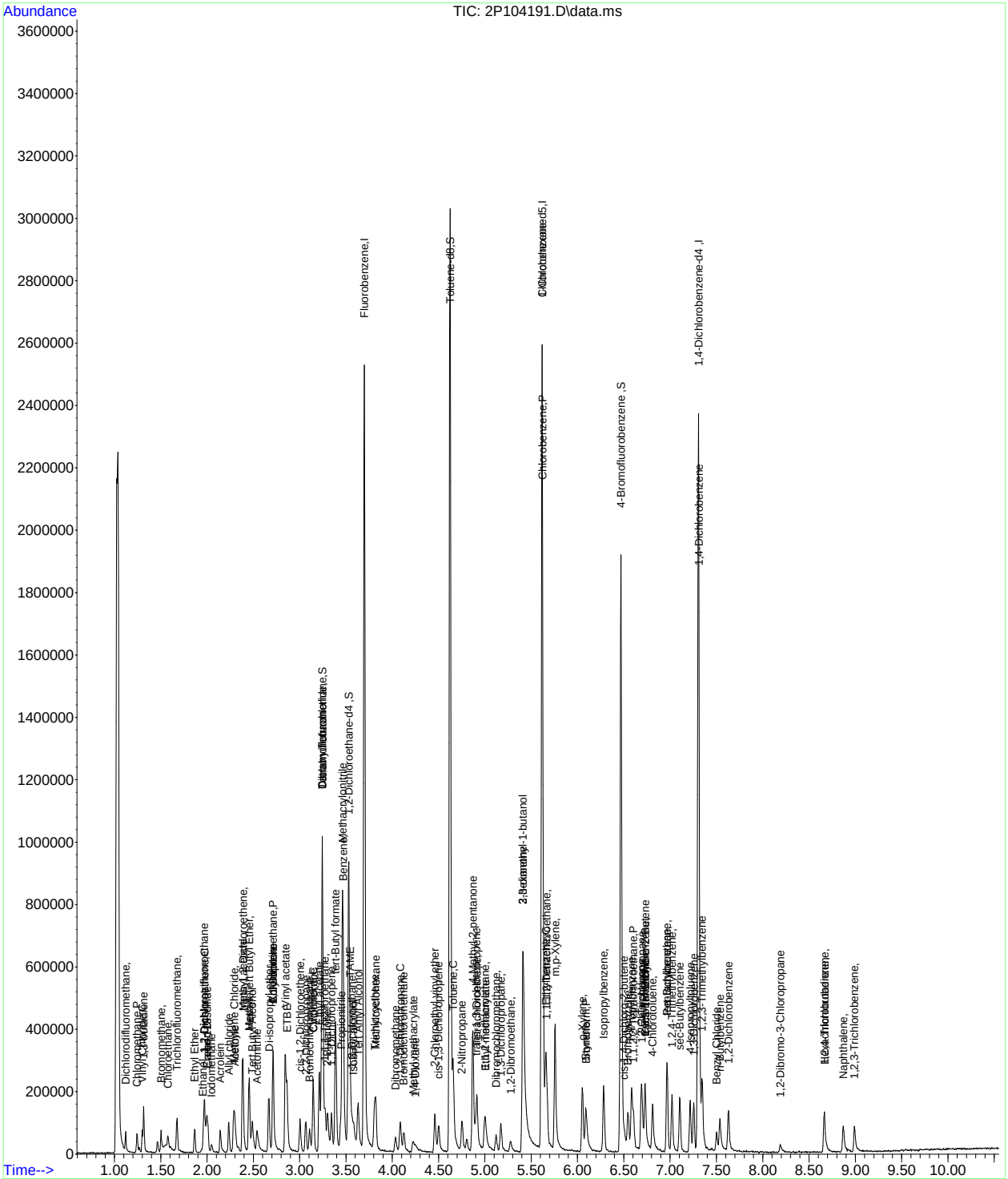
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) Tert Amyl Alcohol	3.631	59	56907	37.77	ug/L		95
53) Trichloroethene	3.809	95	30013	4.87	ug/L		94
54) Methylcyclohexane	3.819	83	36201	4.20	ug/L		94
55) Dibromomethane	4.034	93	14753	4.64	ug/L		79
56) 1,2-Dichloropropane	4.086	63	23597	4.21	ug/L		96
57) Bromodichloromethane	4.128	83	29357	4.32	ug/L		88
58) Methyl methacrylate	4.222	41	22272m	3.90	ug/L		
59) 1,4-Dioxane	4.253	88	9552	70.13	ug/L		91
60) 2-Chloroethyl vinyl ether	4.457	63	45890	18.67	ug/L		96
61) cis-1,3-Dichloropropene	4.499	75	33632	4.27	ug/L		96
64) Toluene	4.656	91	122250	4.48	ug/L		96
65) 2-Nitropropane	4.755	41	45063	18.50	ug/L		91
66) 4-Methyl-2-pentanone	4.870	43	216550	20.54	ug/L		98
67) trans-1,3-Dichloropropene	4.902	75	26590	3.62	ug/L		84
68) Tetrachloroethene	4.912	166	30495	4.84	ug/L		96
69) Ethyl methacrylate	5.011	69	31186	3.84	ug/L		89
70) 1,1,2-Trichloroethane	4.996	83	21012	4.42	ug/L		89
71) Dibromochloromethane	5.121	129	19900	3.98	ug/L		86
72) 1,3-Dichloropropane	5.173	76	41359	4.33	ug/L		96
73) 1,2-Dibromoethane	5.278	107	22012	4.09	ug/L		92
74) 3,3-dimethyl-1-butanol	5.409	57	295520	175.37	ug/L		97
75) 2-hexanone	5.414	43	207505	19.54	ug/L		98
76) 1-Chlorohexane	5.623	91	31991m	4.21	ug/L		
77) Ethylbenzene	5.654	91	126972	4.44	ug/L		97
78) Chlorobenzene	5.628	112	76916	4.60	ug/L		97
79) 1,1,1,2-Tetrachloroethane	5.670	131	21905	4.34	ug/L		86
80) m,p-Xylene	5.759	91	188519	8.63	ug/L		94
81) o-Xylene	6.052	91	102186	4.49	ug/L		97
82) Styrene	6.088	104	58383	3.83	ug/L		96
83) Bromoform	6.099	173	13910	4.11	ug/L		83
84) Isopropylbenzene	6.282	105	116620	4.53	ug/L		99
87) cis-1,4-Dichloro-2-butene	6.507	53	7929	3.10	ug/L	#	74
88) n-Propylbenzene	6.585	91	127706	4.09	ug/L		100
89) Bromobenzene	6.548	156	29926	4.63	ug/L		95
90) 1,1,2,2-Tetrachloroethane	6.606	83	34666	3.89	ug/L		93
91) 1,3,5-Trimethylbenzene	6.731	105	91126	4.29	ug/L		97
92) 2-Chlorotoluene	6.689	91	74717	4.03	ug/L		96
93) trans-1,4-Dichloro-2-B...	6.731	53	9145	3.84	ug/L	#	53
94) 1,2,3-Trichloropropane	6.700	110	12927	4.14	ug/L		95
95) Cyclohexanone	6.731	55	10192	22.75	ug/L	#	67
96) 4-Chlorotoluene	6.810	91	78057	4.04	ug/L		93
97) tert-Butylbenzene	6.967	91	48259	4.27	ug/L		96
99) 1,2,4-Trimethylbenzene	7.019	105	82442	3.97	ug/L		96
100) Pentachloroethane	6.967	167	12877	4.20	ug/L	#	67
101) sec-Butylbenzene	7.103	105	101329	4.27	ug/L		98
102) 4-Isopropyltoluene	7.218	119	78683	4.07	ug/L		96
103) 1,3-Dichlorobenzene	7.254	146	49069	4.21	ug/L		91
104) 1,2,3-Trimethylbenzene	7.348	105	86162	4.09	ug/L		99
105) 1,4-Dichlorobenzene	7.317	146	56751	4.48	ug/L		88
106) n-Butylbenzene	7.536	92	25828	3.44	ug/L		83
107) Benzyl Chloride	7.505	126	6635m	2.93	ug/L		
108) 1,2-Dichlorobenzene	7.631	146	46540	4.32	ug/L		94
109) 1,2-Dibromo-3-Chloropr...	8.190	75	5904	3.66	ug/L		84
110) Hexachlorobutadiene	8.660	225	12689	5.61	ug/L	#	76
111) 1,2,4-Trichlorobenzene	8.666	180	22168	4.67	ug/L		93
112) Naphthalene	8.870	128	63586	3.84	ug/L		96
113) 1,2,3-Trichlorobenzene	8.990	180	22815	4.57	ug/L		95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104191.D
Acq On : 7 Feb 2024 9:46 am
Operator : LIANAT
Sample : IC3959-2 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 07 13:20:10 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration



Manual Integration Approval Summary

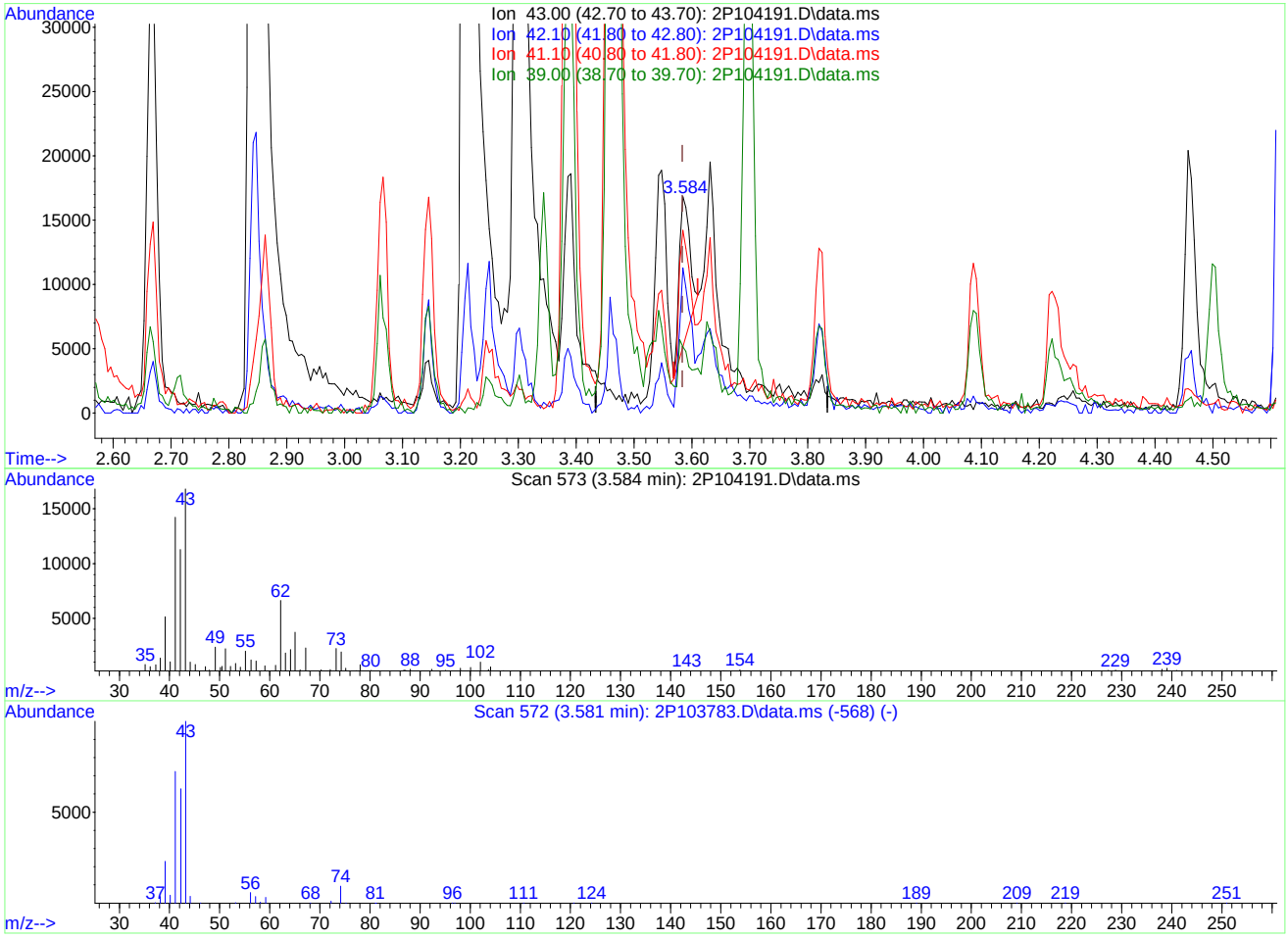
Sample Number: V2P3959-IC3959
Lab FileID: 2P104191.D
Injection Time: 02/07/24 09:46
Method: SW846 8260D
Analyst approved: 02/08/24 10:16 Liana Tortrodriguez
Supervisor approved: 02/08/24 11:45 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Acetonitrile	75-05-8		2.54	Poor instrument integration
Isobutyl Alcohol	78-83-1		3.58	Poor instrument integration
Methyl Methacrylate	80-62-6		4.22	Poor instrument integration
1-Chlorohexane	544-10-5		5.62	Poor instrument integration
Benzyl Chloride	100-44-7		7.51	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104191.D
Acq On : 7 Feb 2024 9:46 am
Operator : LIANAT
Sample : IC3959-2 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 07 12:16:38 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration



TIC: 2P104191.D\data.ms

(50) Isobutyl alcohol

3.584min (+0.000) 29.60ug/L

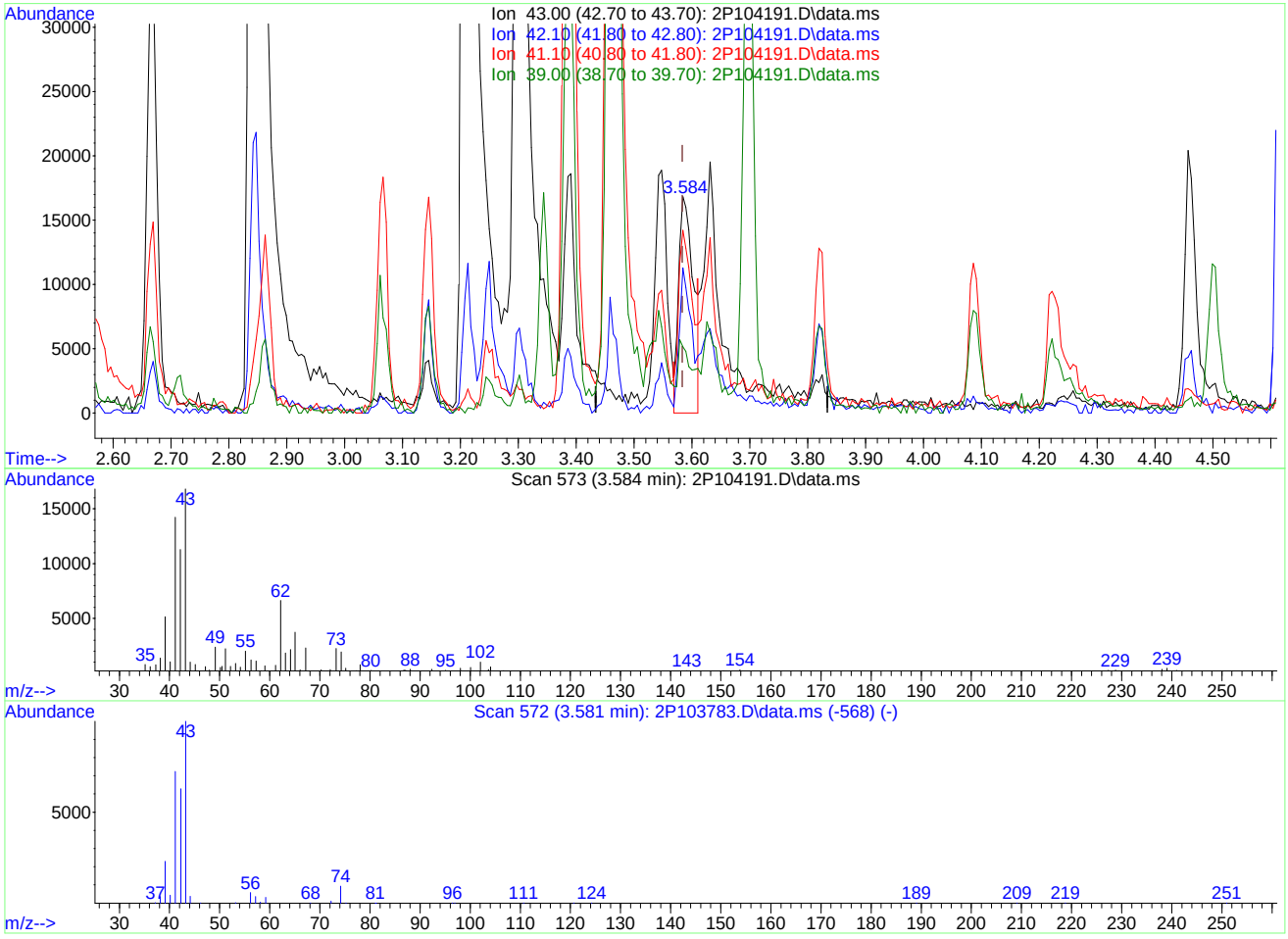
response 14924

Ion	Exp%	Act%
43.00	100	100
42.10	61.30	76.67
41.10	74.10	81.83
39.00	25.90	21.82

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104191.D
Acq On : 7 Feb 2024 9:46 am
Operator : LIANAT
Sample : IC3959-2 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 07 12:16:38 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration



TIC: 2P104191.D\data.ms

(50) Isobutyl alcohol

3.584min (+0.000) 59.19ug/L m

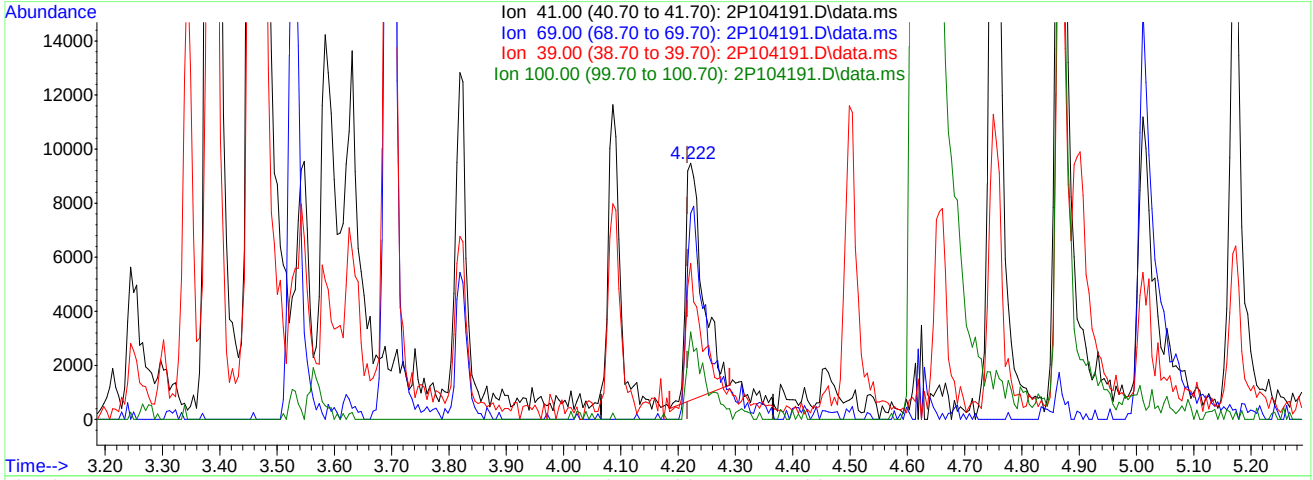
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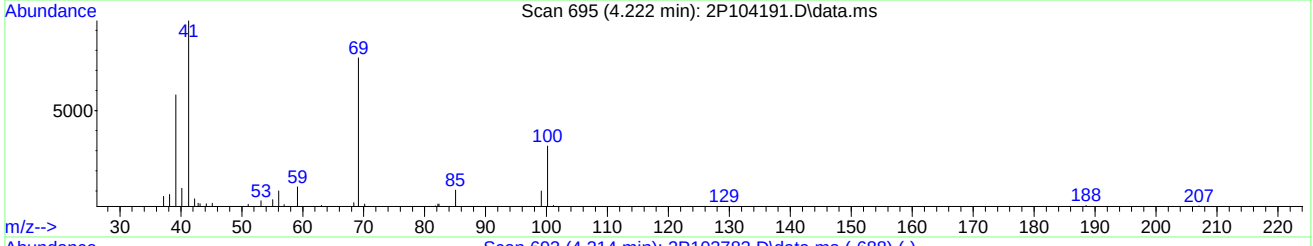
Ion	Exp%	Act%
43.00	100	100
42.10	61.30	67.05
41.10	74.10	84.55
39.00	25.90	30.62

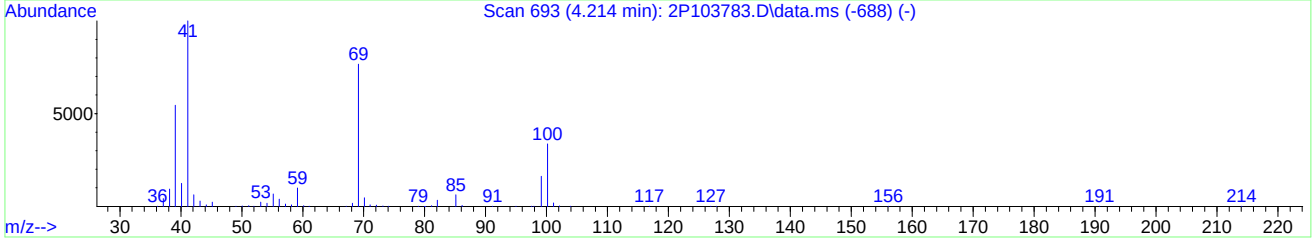
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104191.D
Acq On : 7 Feb 2024 9:46 am
Operator : LIANAT
Sample : IC3959-2 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 07 12:16:38 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration







TIC: 2P104191.D\data.ms

(58) Methyl methacrylate

4.222min (+0.006) 3.23ug/L

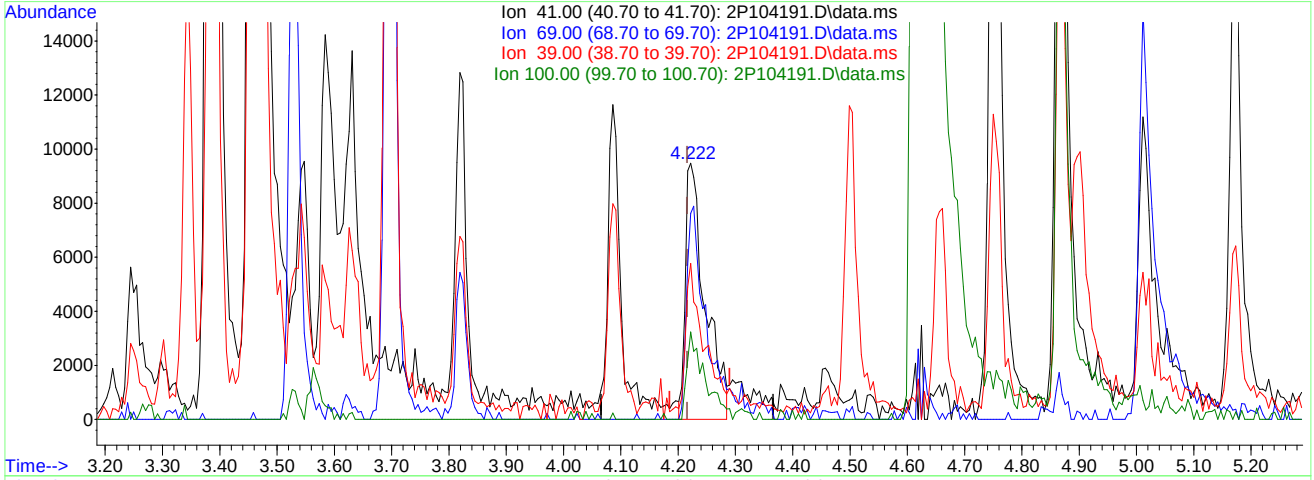
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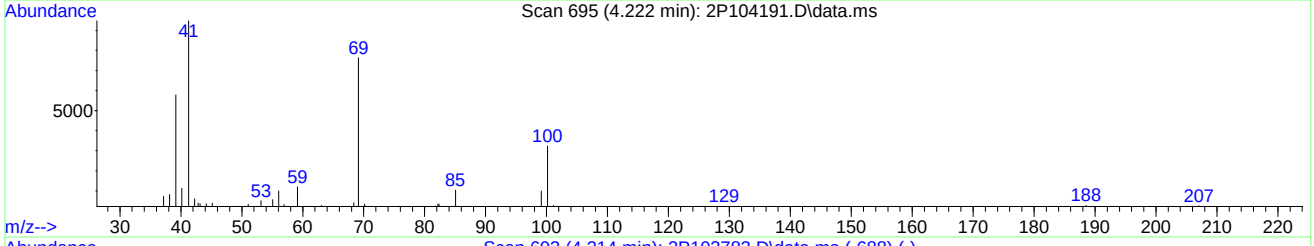
Ion	Exp%	Act%
41.00	100	100
69.00	76.90	84.08
39.00	56.00	60.53
100.00	31.10	35.66

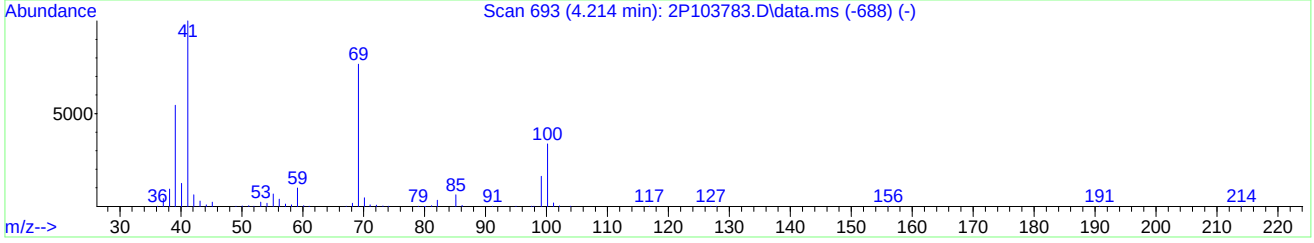
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104191.D
Acq On : 7 Feb 2024 9:46 am
Operator : LIANAT
Sample : IC3959-2 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 07 12:16:38 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration







TIC: 2P104191.D\data.ms

(58) Methyl methacrylate

4.222min (+0.006) 3.97ug/L m

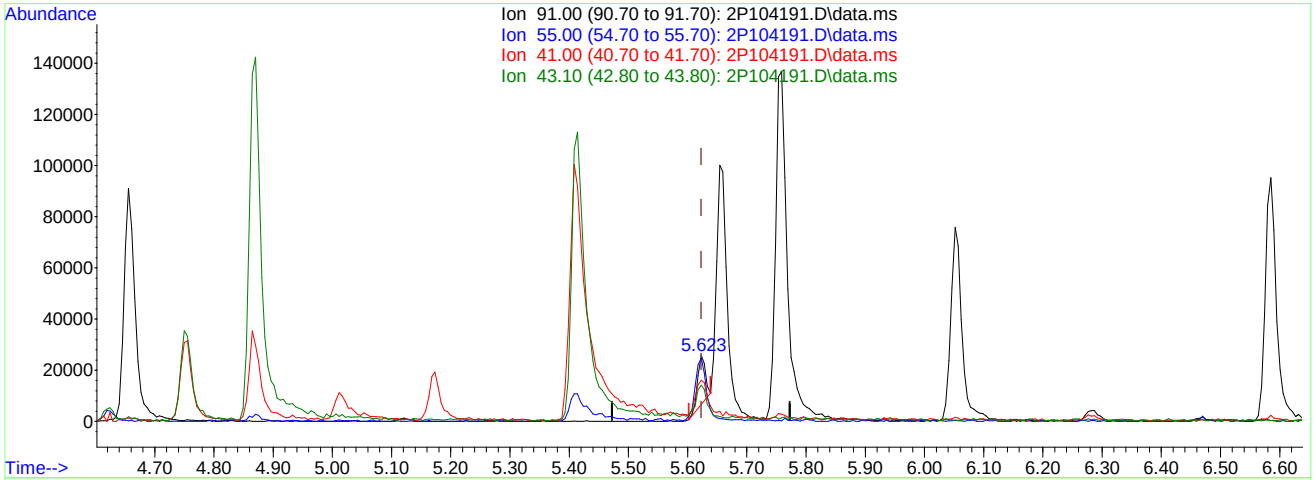
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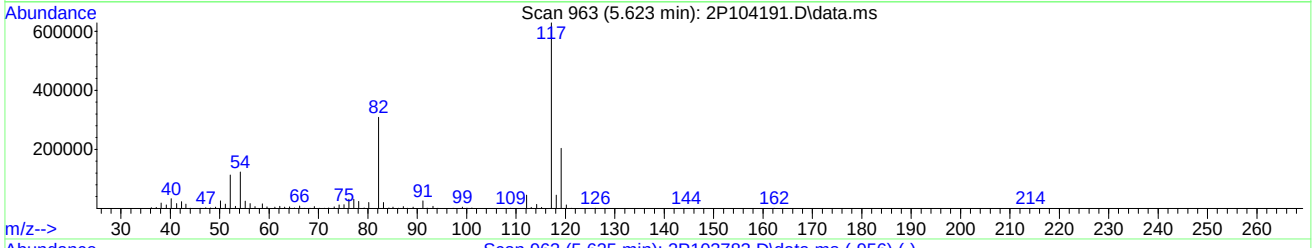
Ion	Exp%	Act%
41.00	100	100
69.00	76.90	80.49
39.00	56.00	60.96
100.00	31.10	34.14

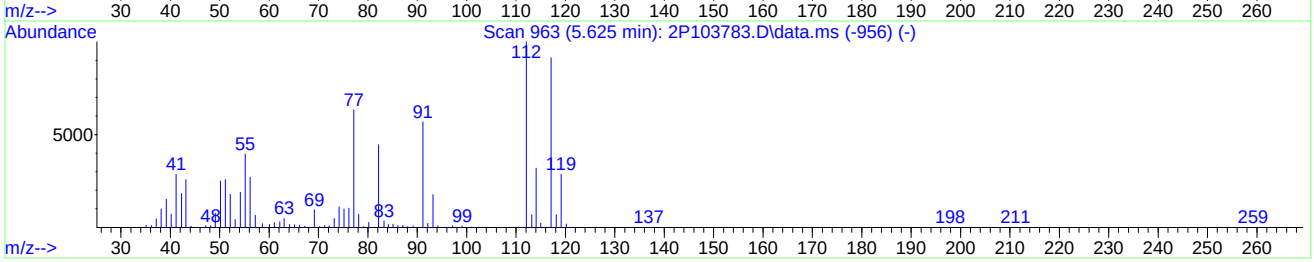
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104191.D
Acq On : 7 Feb 2024 9:46 am
Operator : LIANAT
Sample : IC3959-2 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 07 12:16:38 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration







TIC: 2P104191.D\data.ms

(76) 1-Chlorohexane

5.623min (+0.000) 2.50ug/L

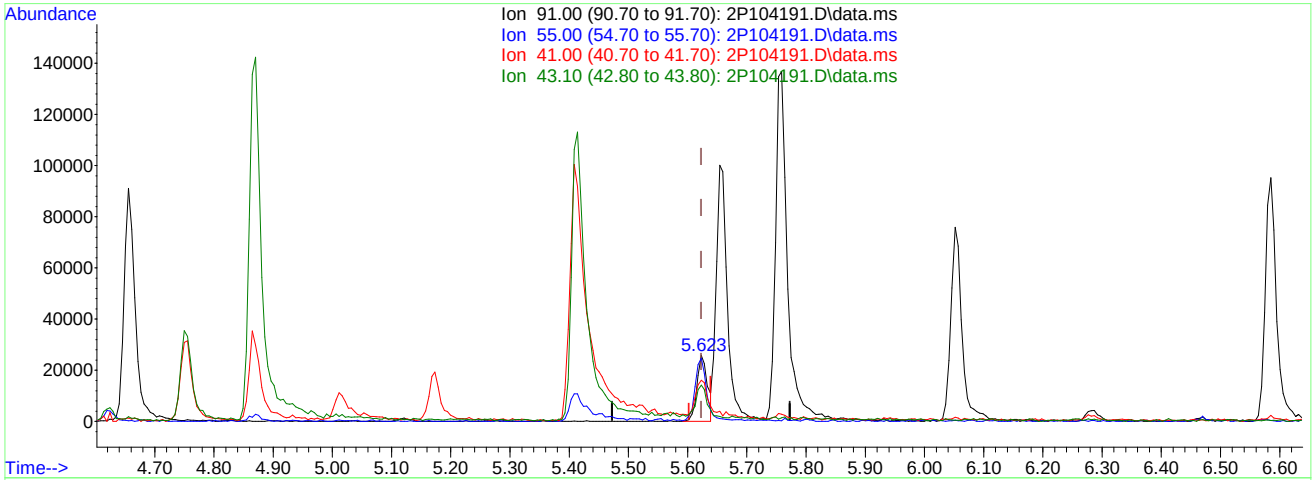
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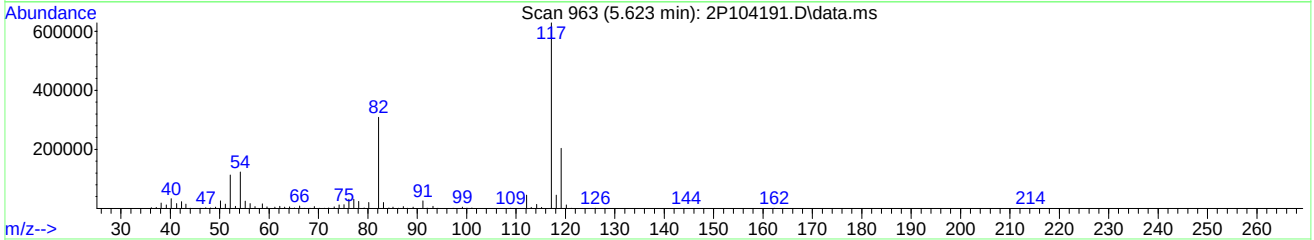
Ion	Exp%	Act%
91.00	100	100
55.00	75.40	89.90
41.00	56.40	54.43
43.10	46.70	46.09

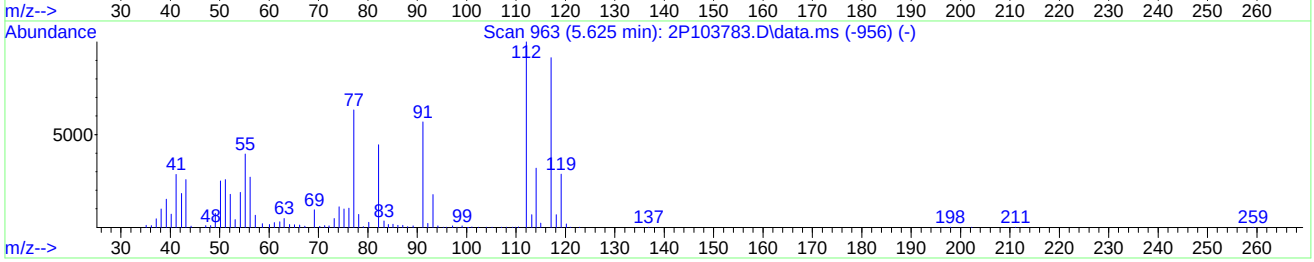
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104191.D
Acq On : 7 Feb 2024 9:46 am
Operator : LIANAT
Sample : IC3959-2 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 07 12:16:38 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration







TIC: 2P104191.D\data.ms

(76) 1-Chlorohexane

5.623min (+0.000) 4.21ug/L m

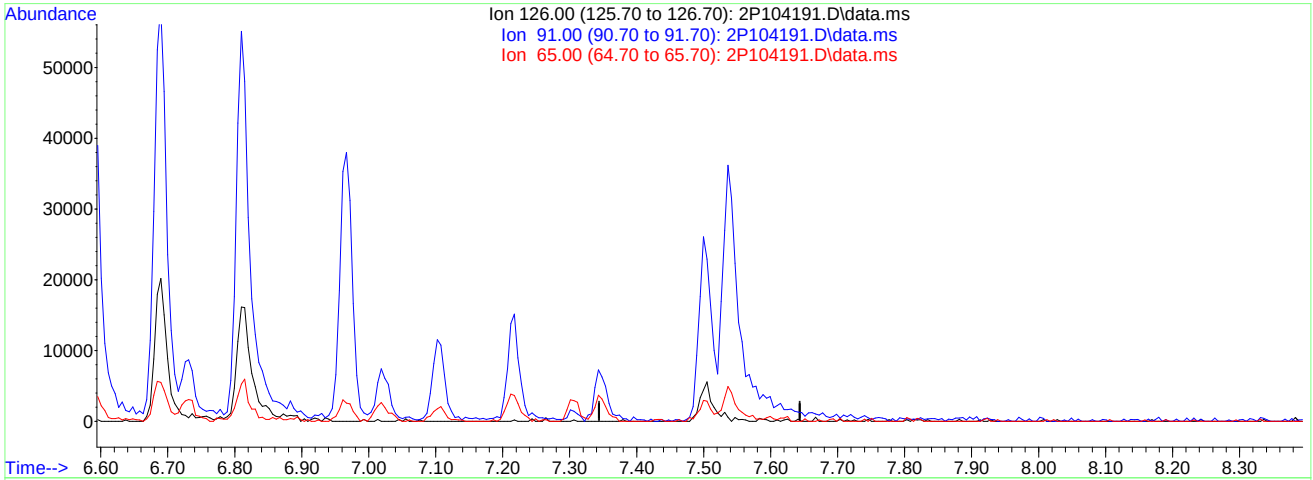
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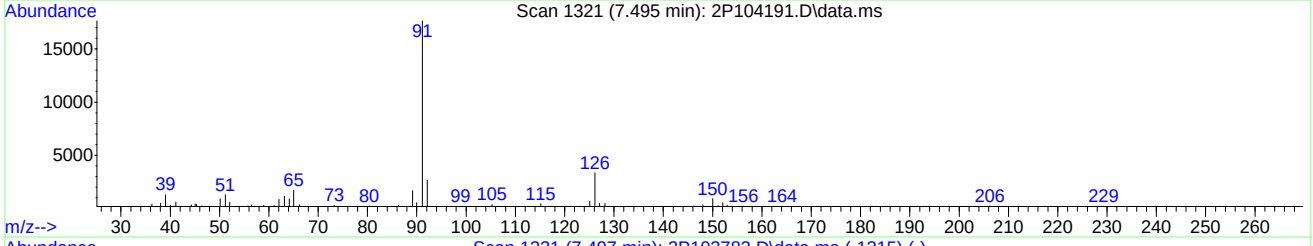
Ion	Exp%	Act%
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55.00	75.40	95.90#
41.00	56.40	62.35
43.10	46.70	55.14

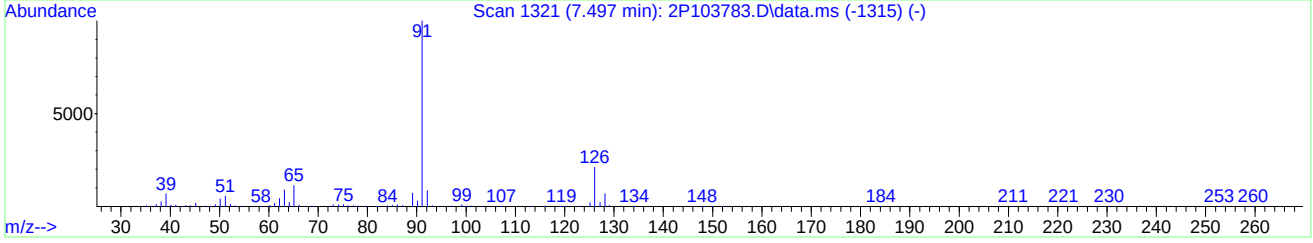
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104191.D
Acq On : 7 Feb 2024 9:46 am
Operator : LIANAT
Sample : IC3959-2 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 07 12:16:38 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration







TIC: 2P104191.D\data.ms

(107) Benzyl Chloride

7.494min (-7.494) 0.00ug/L

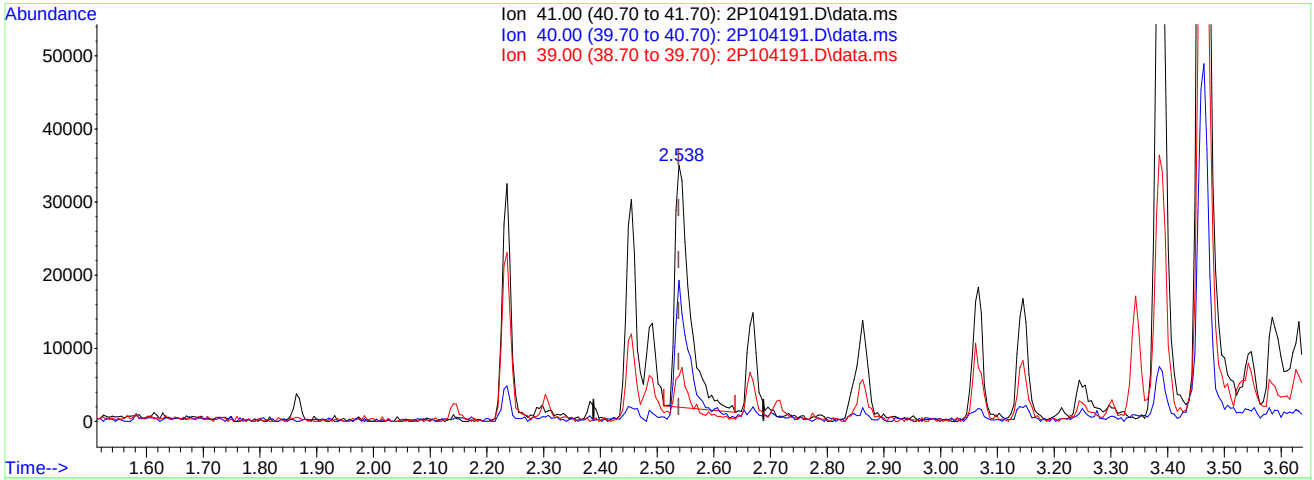
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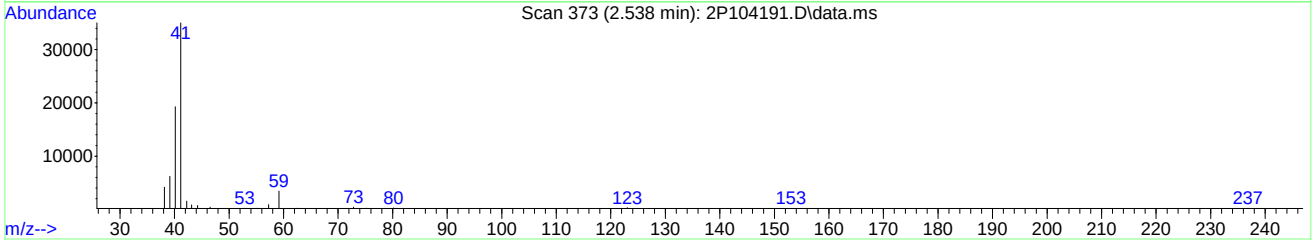
Ion	Exp%	Act%
126.00	100	0.00
91.00	519.50	0.00#
65.00	65.70	0.00#
0.00	0.00	0.00

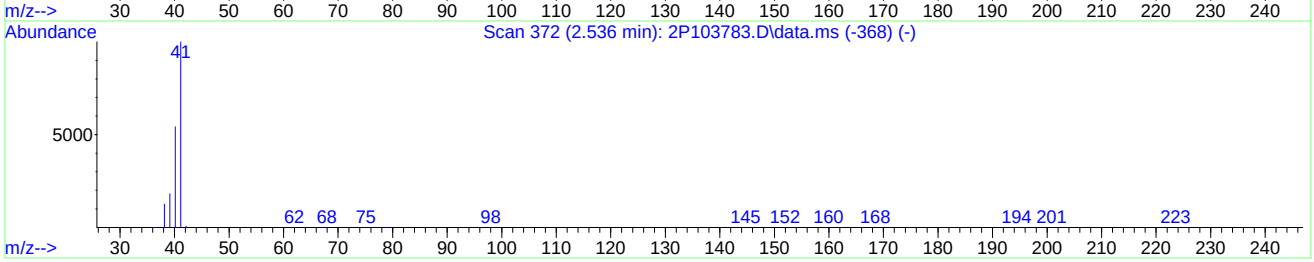
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104191.D
Acq On : 7 Feb 2024 9:46 am
Operator : LIANAT
Sample : IC3959-2 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 07 12:16:38 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration







TIC: 2P104191.D\data.ms

(25) Acetonitrile

2.538min (+0.000) 41.21ug/L

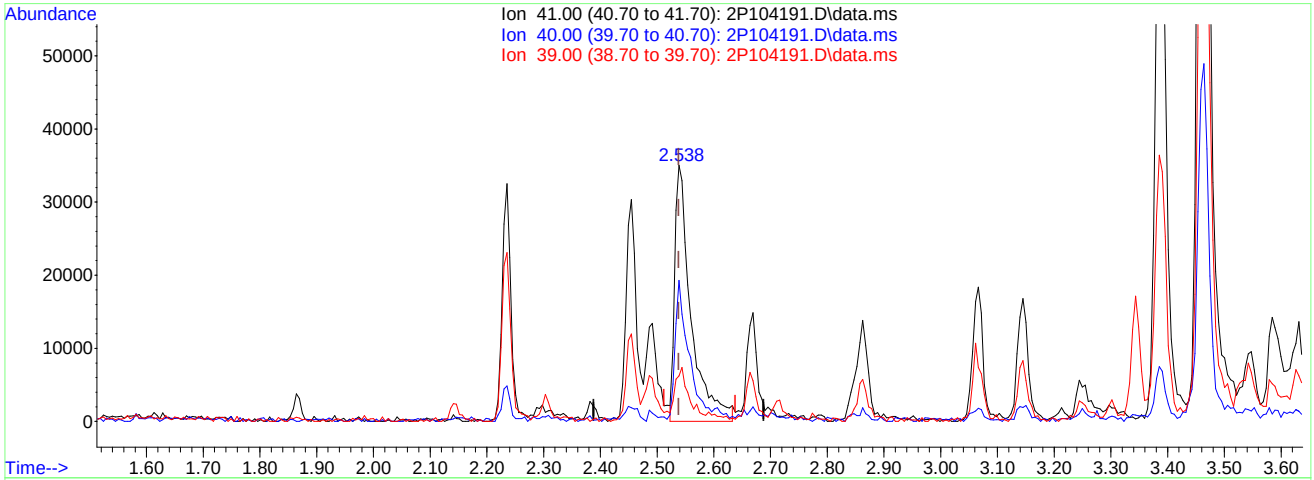
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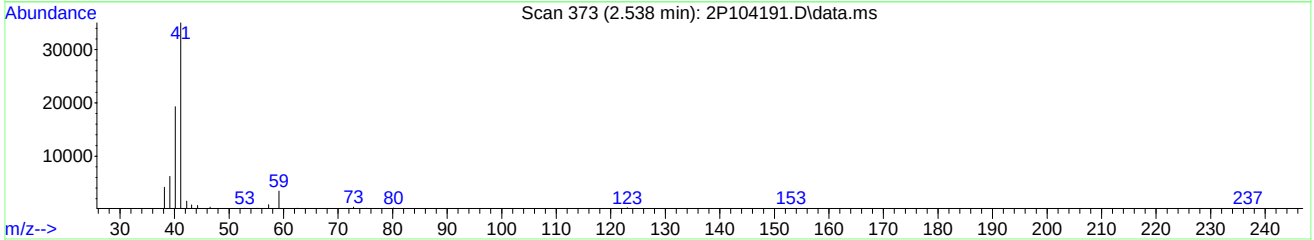
Ion	Exp%	Act%
41.00	100	100
40.00	47.70	55.65
39.00	20.10	17.52
0.00	0.00	0.00

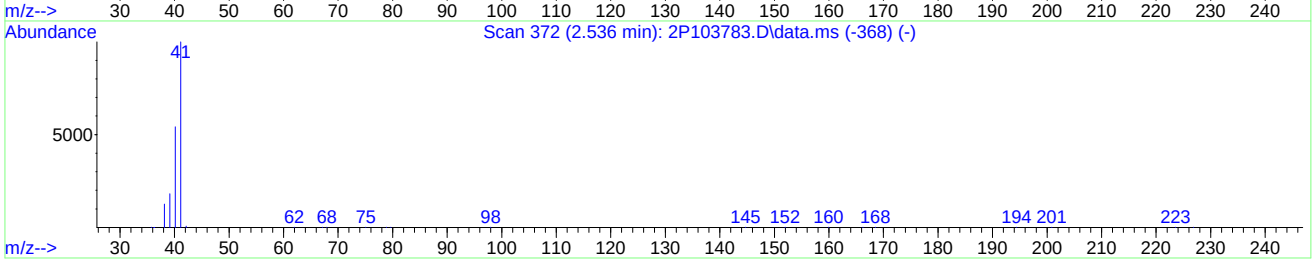
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104191.D
Acq On : 7 Feb 2024 9:46 am
Operator : LIANAT
Sample : IC3959-2 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 07 12:16:38 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration







TIC: 2P104191.D\data.ms

(25) Acetonitrile

2.538min (+0.000) 48.82ug/L m

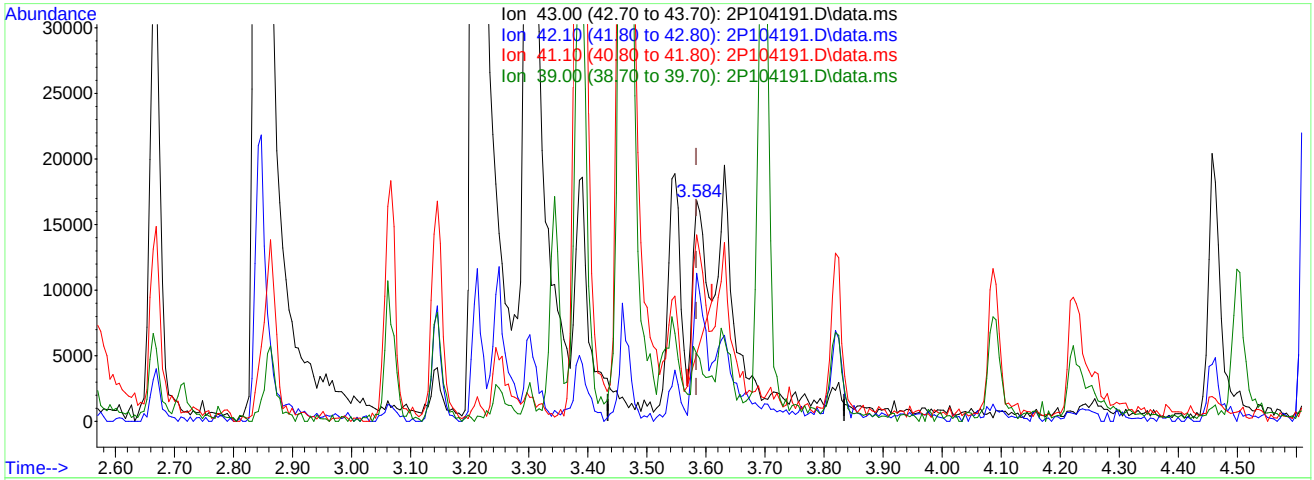
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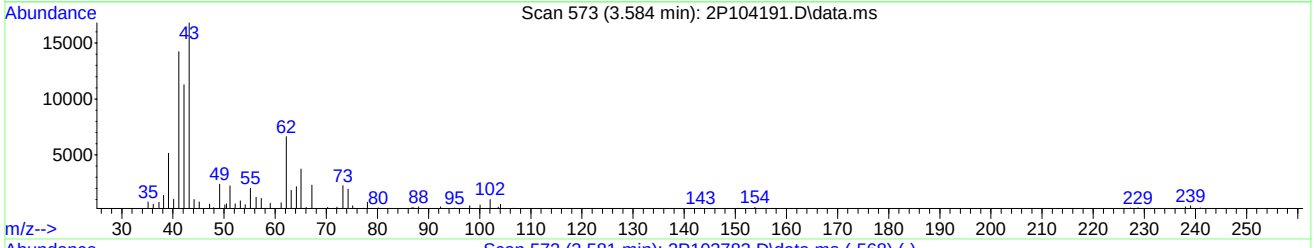
Ion	Exp%	Act%
41.00	100	100
40.00	47.70	55.08
39.00	20.10	17.76
0.00	0.00	0.00

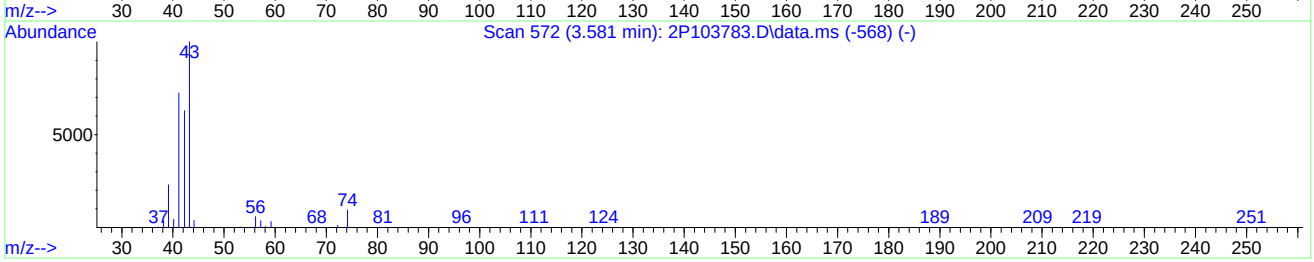
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104191.D
Acq On : 7 Feb 2024 9:46 am
Operator : LIANAT
Sample : IC3959-2 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 07 12:16:38 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration







TIC: 2P104191.D\data.ms

(50) Isobutyl alcohol

3.584min (+0.000) 29.60ug/L

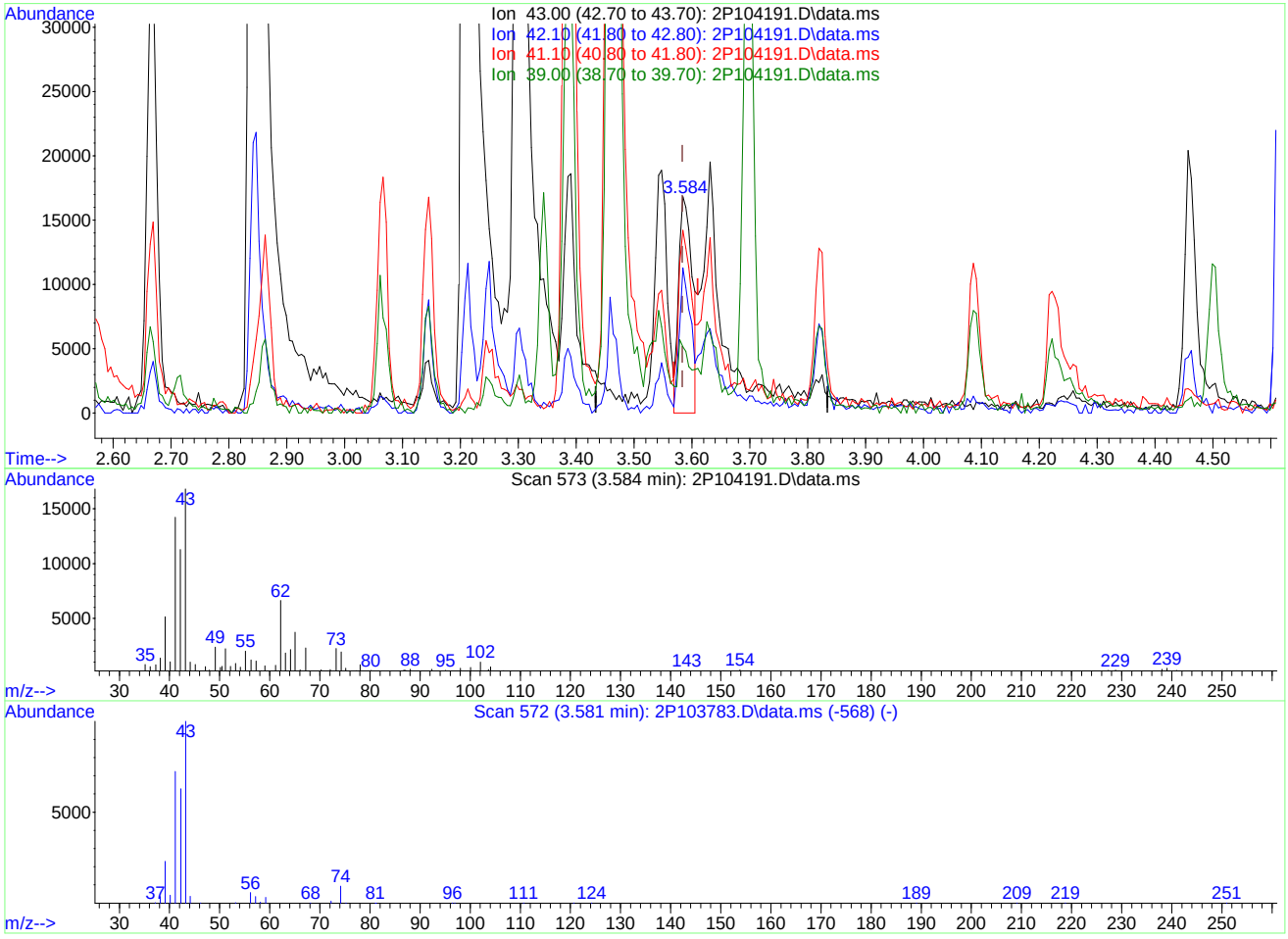
response 14924

Ion	Exp%	Act%
43.00	100	100
42.10	61.30	76.67
41.10	74.10	81.83
39.00	25.90	21.82

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104191.D
Acq On : 7 Feb 2024 9:46 am
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Sample : IC3959-2 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 4 Sample Multiplier: 1

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Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration



TIC: 2P104191.D\data.ms

(50) Isobutyl alcohol

3.584min (+0.000) 53.47ug/L m

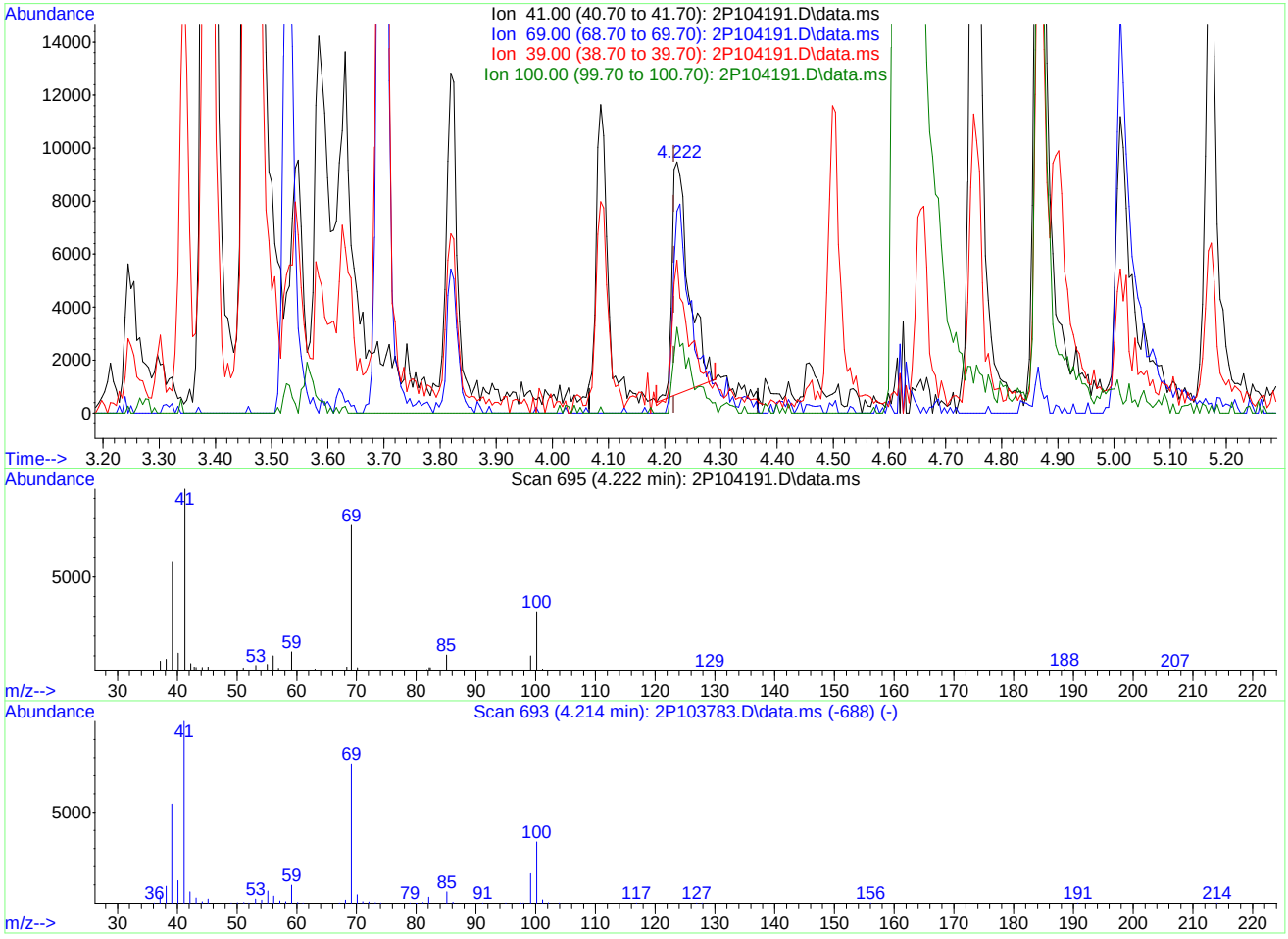
response 26967

Ion	Exp%	Act%
43.00	100	100
42.10	61.30	67.05
41.10	74.10	84.55
39.00	25.90	30.62

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104191.D
Acq On : 7 Feb 2024 9:46 am
Operator : LIANAT
Sample : IC3959-2 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 4 Sample Multiplier: 1

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Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration



TIC: 2P104191.D\data.ms

(58) Methyl methacrylate

4.222min (+0.006) 3.23ug/L

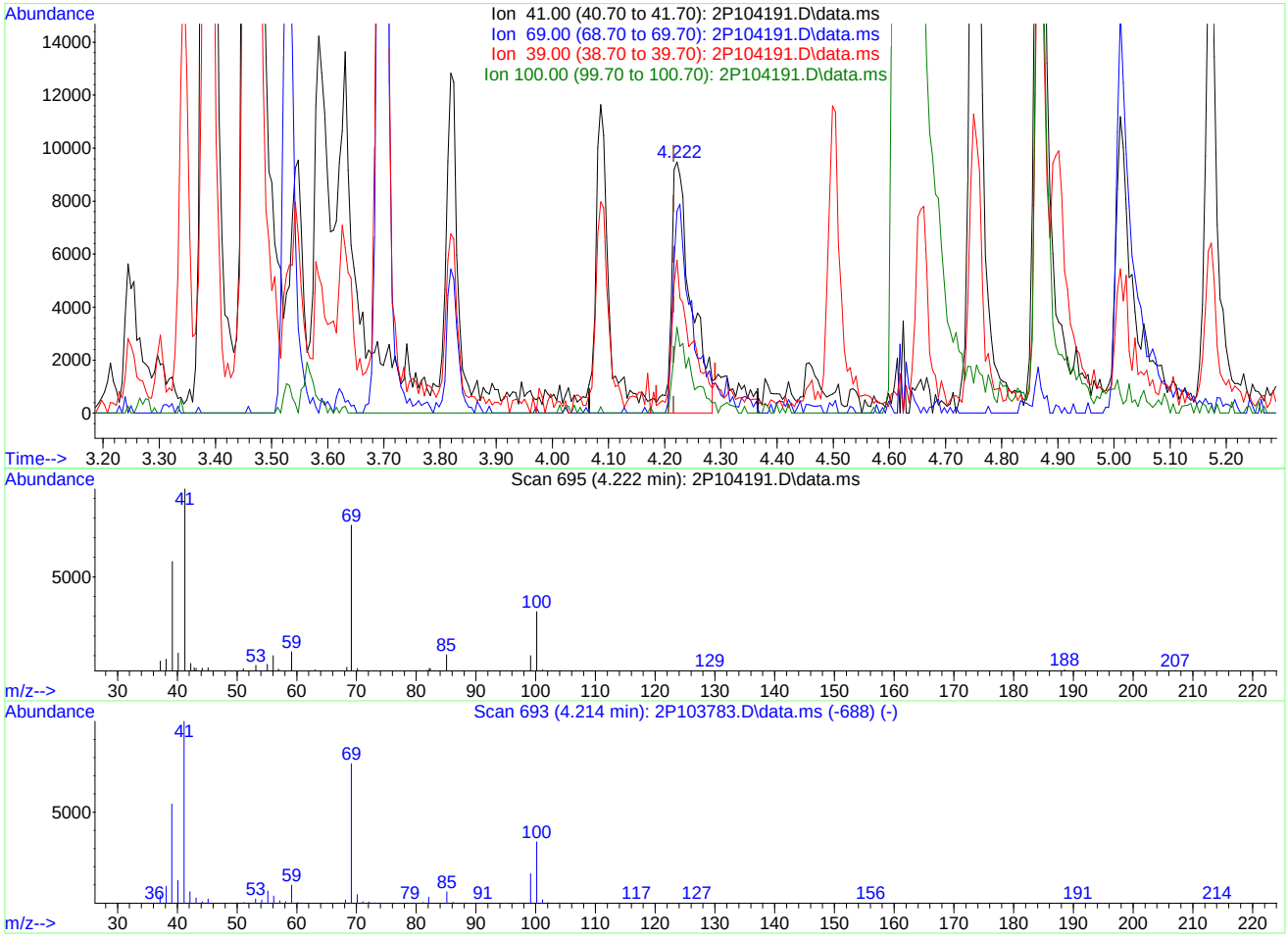
response 18398

Ion	Exp%	Act%
41.00	100	100
69.00	76.90	84.08
39.00	56.00	60.53
100.00	31.10	35.66

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104191.D
Acq On : 7 Feb 2024 9:46 am
Operator : LIANAT
Sample : IC3959-2 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
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Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration



TIC: 2P104191.D\data.ms

(58) Methyl methacrylate

4.222min (+0.006) 3.90ug/L m

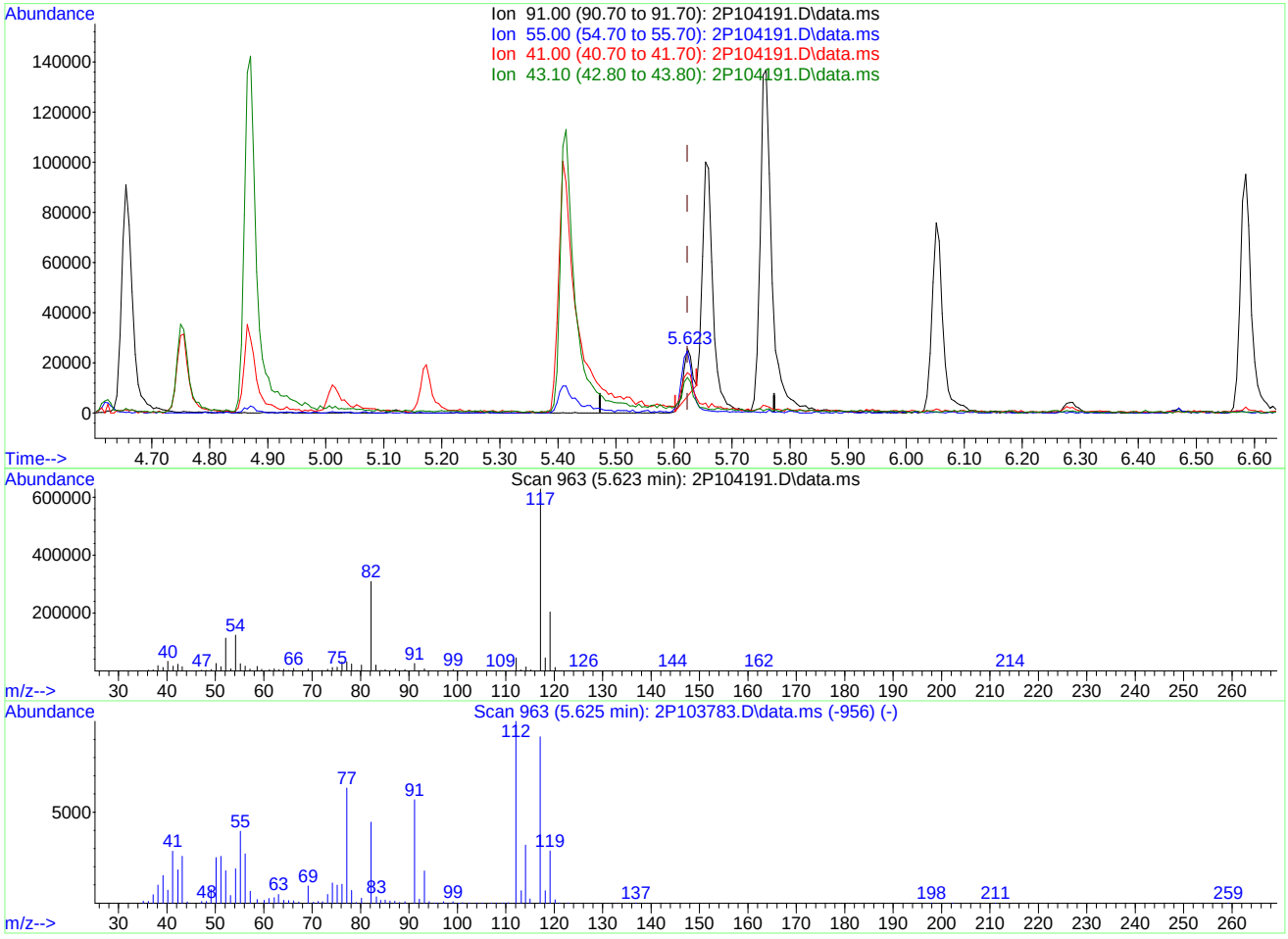
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Ion	Exp%	Act%
41.00	100	100
69.00	76.90	80.49
39.00	56.00	60.96
100.00	31.10	34.14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104191.D
Acq On : 7 Feb 2024 9:46 am
Operator : LIANAT
Sample : IC3959-2 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 07 12:16:38 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration



TIC: 2P104191.D\data.ms

(76) 1-Chlorohexane

5.623min (+0.000) 2.50ug/L

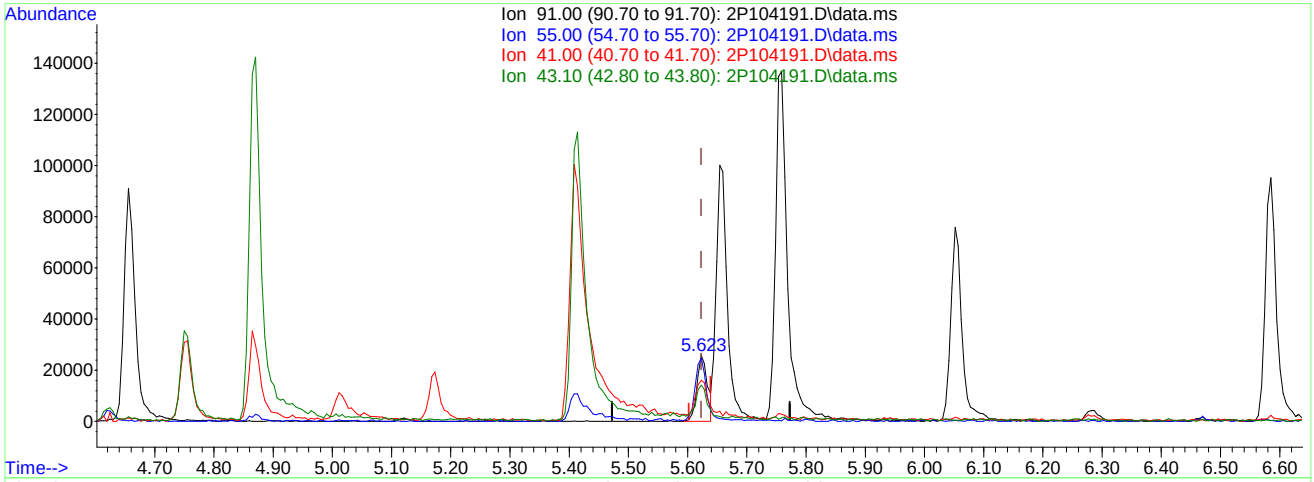
response 18998

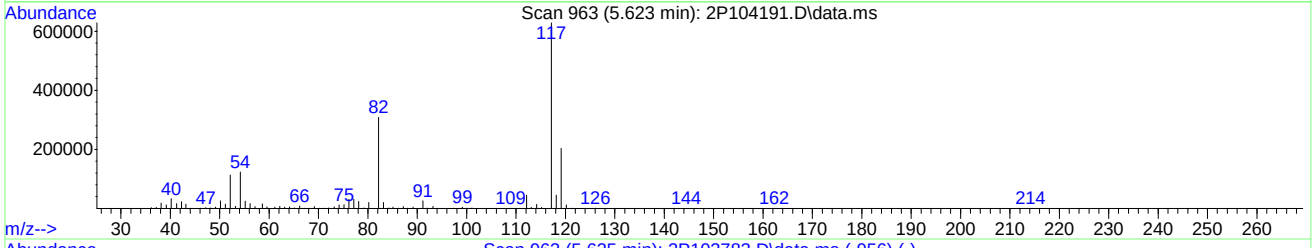
Ion	Exp%	Act%
91.00	100	100
55.00	75.40	89.90
41.00	56.40	54.43
43.10	46.70	46.09

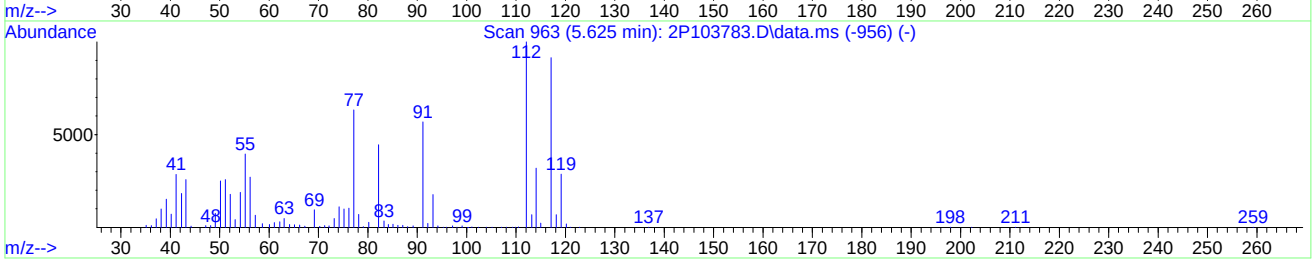
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104191.D
Acq On : 7 Feb 2024 9:46 am
Operator : LIANAT
Sample : IC3959-2 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 07 12:16:38 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration







TIC: 2P104191.D\data.ms

(76) 1-Chlorohexane

5.623min (+0.000) 4.21ug/L m

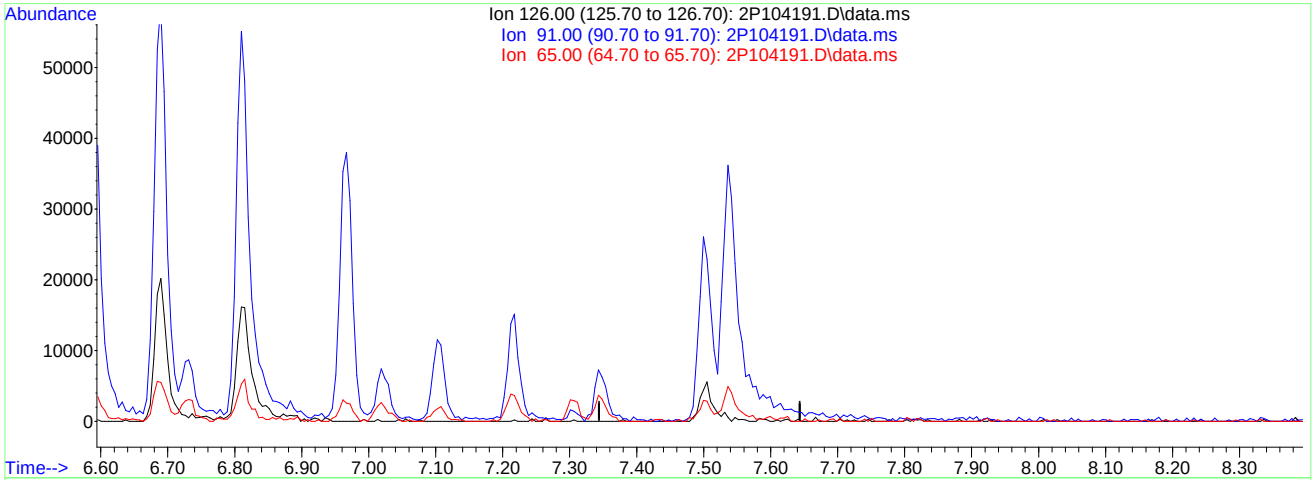
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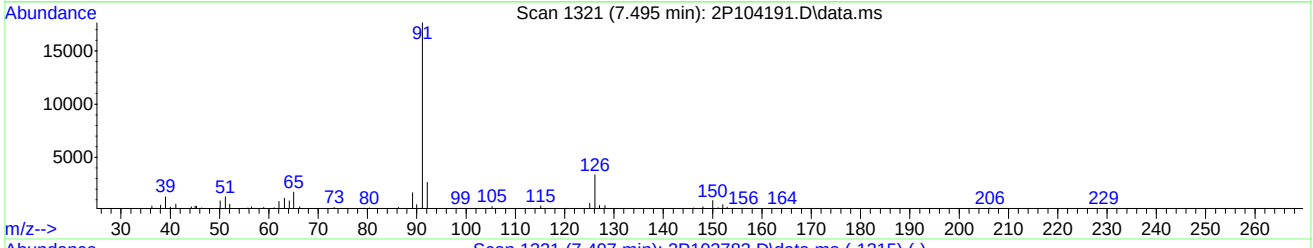
Ion	Exp%	Act%
91.00	100	100
55.00	75.40	95.90#
41.00	56.40	62.35
43.10	46.70	55.14

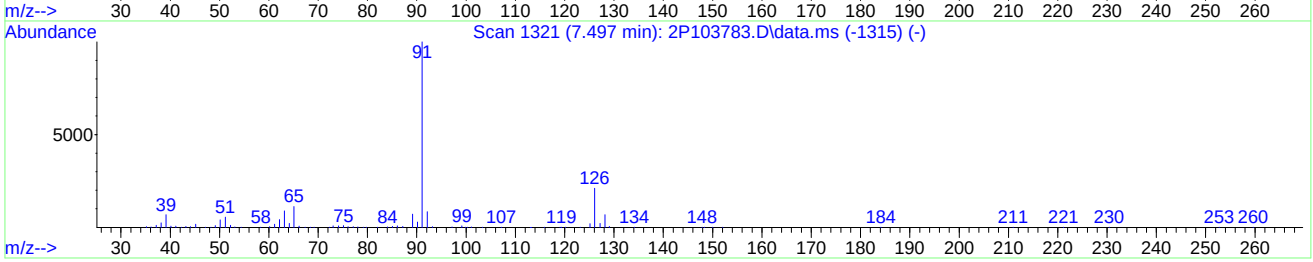
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104191.D
Acq On : 7 Feb 2024 9:46 am
Operator : LIANAT
Sample : IC3959-2 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 07 12:16:38 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration







TIC: 2P104191.D\data.ms

(107) Benzyl Chloride

7.494min (-7.494) 0.00ug/L

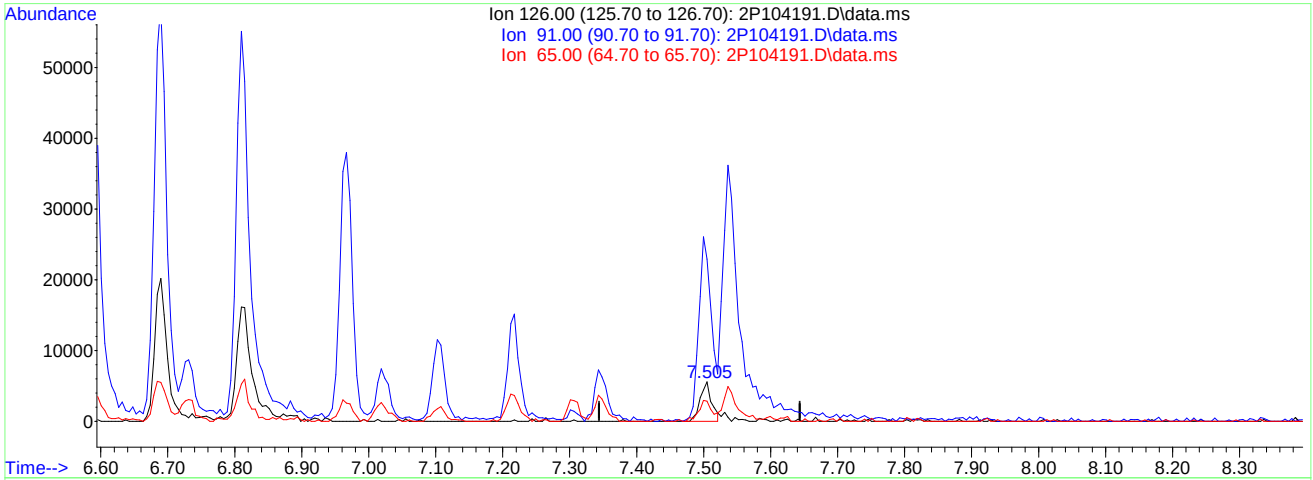
response 0

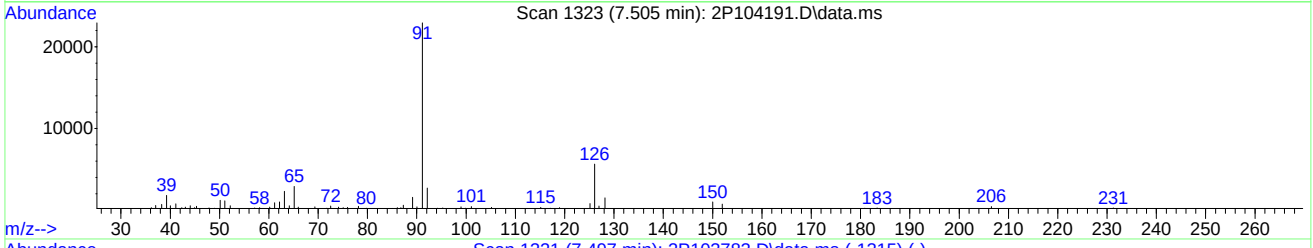
Ion	Exp%	Act%
126.00	100	0.00
91.00	519.50	0.00#
65.00	65.70	0.00#
0.00	0.00	0.00

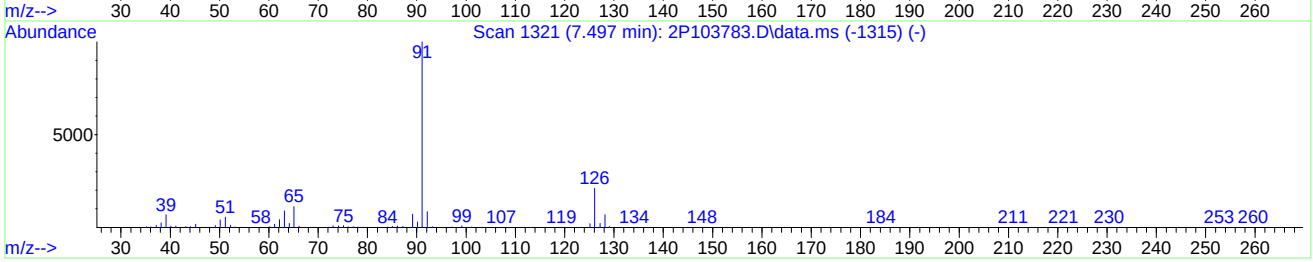
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104191.D
Acq On : 7 Feb 2024 9:46 am
Operator : LIANAT
Sample : IC3959-2 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 07 12:16:38 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration







TIC: 2P104191.D\data.ms

(107) Benzyl Chloride

7.505min (+0.011) 2.93ug/L m

response 6635

Ion	Exp%	Act%
126.00	100	100
91.00	519.50	409.35#
65.00	65.70	51.29
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
02/08/24 11:45

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104192.D
Acq On : 7 Feb 2024 10:12 am
Operator : LIANAT
Sample : IC3959-3 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 07 13:21:56 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	3.697	96	1486393	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.615	117	1026749	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.304	152	537090	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.242	113	325356	52.05	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 104.10%			
49) 1,2-Dichloroethane-d4	3.529	65	406774	51.52	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 103.04%			
63) Toluene-d8	4.622	98	1439643	48.10	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 96.20%			
86) 4-Bromofluorobenzene	6.467	174	458893	51.92	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 103.84%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.119	85	50365	15.55	ug/L	98
3) Chloromethane	1.245	50	60434	13.05	ug/L	94
4) 1,3-butadiene	1.313	39	71423	11.03	ug/L	99
5) Vinyl Chloride	1.297	62	62823	12.05	ug/L	95
6) Bromomethane	1.501	94	31013	11.83	ug/L	92
7) Chloroethane	1.574	64	19584	11.13	ug/L	90
8) Trichlorofluoromethane	1.673	101	91139	10.70	ug/L	96
9) Ethyl Ether	1.867	59	53721	9.38	ug/L	97
10) Ethanol	1.950	45	29385	188.69	ug/L	85
11) 1,2-Dichlorotrifluoroe...	1.966	67	57815	9.56	ug/L	94
12) 1,1-Dichloroethene	1.971	61	76694	9.55	ug/L	99
13) Freon 113	2.003	101	47565	10.32	ug/L	96
14) Carbon Disulfide	1.992	76	137987	9.27	ug/L	99
15) Iodomethane	2.050	142	38366	10.09	ug/L	89
16) Acrolein	2.139	56	87808	48.17	ug/L	98
17) Allyl chloride	2.233	41	74221	9.41	ug/L	96
18) Methylene Chloride	2.285	49	77036	10.36	ug/L	95
19) Acetone	2.301	43	161455	47.31	ug/L	100
20) Methyl acetate	2.379	43	382156	45.24	ug/L	97
21) trans-1,2-Dichloroethene	2.384	61	74518	9.11	ug/L	90
22) Hexane	2.452	56	38328	8.85	ug/L	98
23) Methyl Tert Butyl Ether	2.452	73	187552	9.91	ug/L	97
24) Tert Butyl Alcohol	2.489	59	189664	94.18	ug/L	93
25) Acetonitrile	2.536	41	134462m	92.63	ug/L	
26) Di-isopropyl ether	2.667	45	194065	10.03	ug/L	97
27) Chloroprene	2.708	53	227441	8.39	ug/L	95
28) 1,1-Dichloroethane	2.714	63	105456	9.53	ug/L	96
29) Acrylonitrile	2.714	52	136351	38.29	ug/L	95
30) ETBE	2.860	59	187783	9.76	ug/L	98
31) Vinyl acetate	2.844	43	527863	39.64	ug/L	100
32) cis-1,2-Dichloroethene	3.001	96	58996	9.13	ug/L	94
33) 2,2-Dichloropropane	3.064	77	74908	9.60	ug/L	98
34) Bromochloromethane	3.106	128	28288	10.10	ug/L	92
35) Cyclohexane	3.142	56	98368	10.13	ug/L	93
36) Chloroform	3.148	83	98605	9.41	ug/L	99
37) Ethyl acetate	3.210	43	365026	39.08	ug/L	99
38) Tetrahydrofuran	3.242	42	37074	9.60	ug/L	90
40) Carbon Tetrachloride	3.247	117	73420	10.83	ug/L	96
41) 1,1,1-Trichloroethane	3.273	97	83341	9.77	ug/L	93
42) 2-Butanone	3.299	43	262785	48.36	ug/L	97
43) 1,1-Dichloropropene	3.341	75	67904	8.99	ug/L	99
44) tert-Butyl formate	3.388	59	272014	60.31	ug/L	98
45) Propionitrile	3.440	54	135602	91.41	ug/L	99
46) Methacrylonitrile	3.461	41	523613	93.52	ug/L	98
47) Benzene	3.472	78	240069	9.34	ug/L	98
48) TAME	3.545	73	176800	9.84	ug/L	98
50) Isobutyl alcohol	3.582	43	78634m	153.98	ug/L	
51) 1,2-Dichloroethane	3.571	62	82135	9.82	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104192.D
Acq On : 7 Feb 2024 10:12 am
Operator : LIANAT
Sample : IC3959-3 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 07 13:21:56 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration

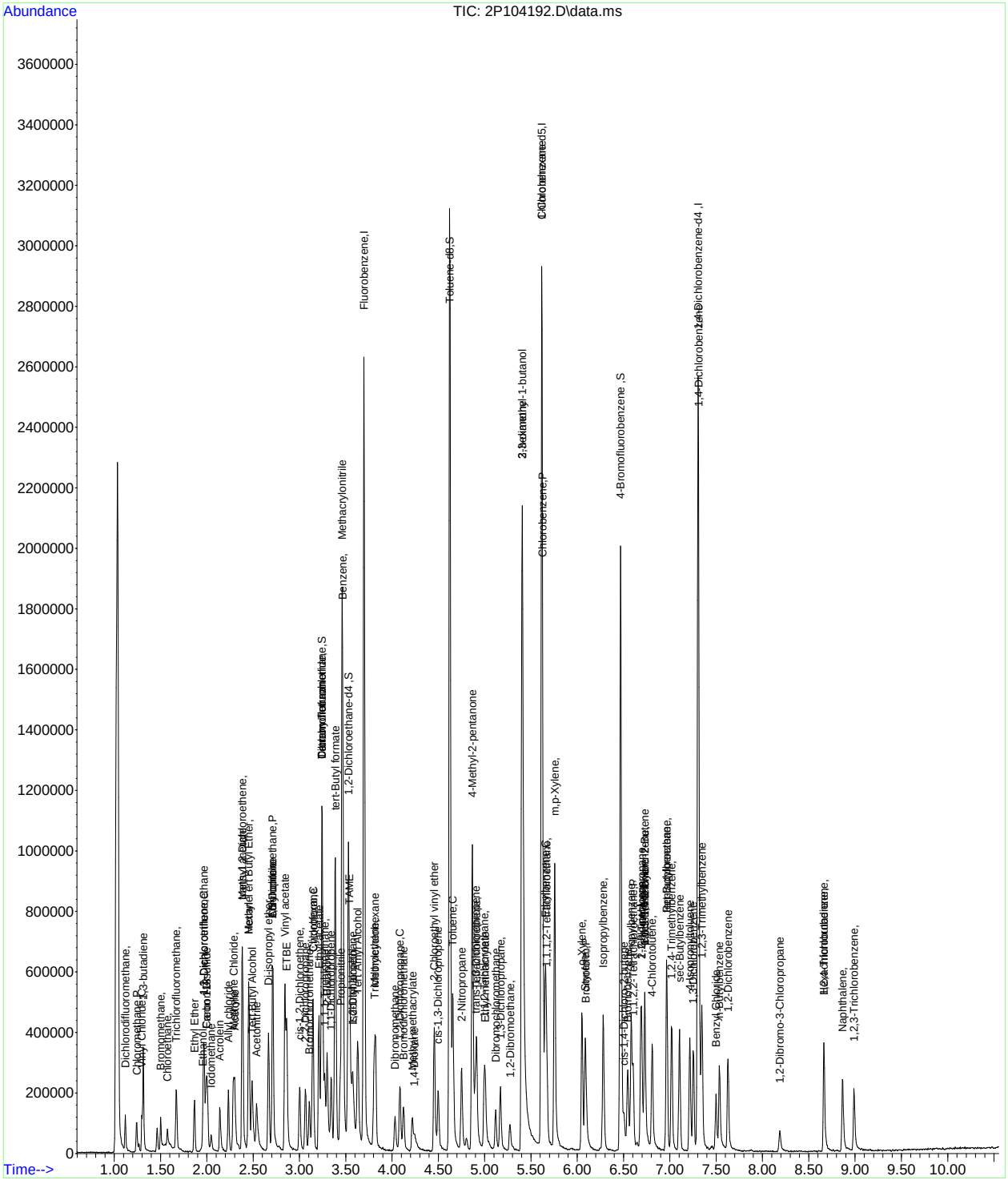
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) Tert Amyl Alcohol	3.629	59	144792	95.07	ug/L		99
53) Trichloroethene	3.806	95	56727	9.10	ug/L		94
54) Methylcyclohexane	3.822	83	84730	9.73	ug/L		96
55) Dibromomethane	4.031	93	29558	9.20	ug/L		84
56) 1,2-Dichloropropane	4.083	63	56753	10.02	ug/L		98
57) Bromodichloromethane	4.125	83	64756	9.43	ug/L		96
58) Methyl methacrylate	4.214	41	51626	8.89	ug/L		97
59) 1,4-Dioxane	4.245	88	24859	180.57	ug/L		91
60) 2-Chloroethyl vinyl ether	4.455	63	134392	52.75	ug/L		97
61) cis-1,3-Dichloropropene	4.496	75	77149	9.69	ug/L		91
64) Toluene	4.658	91	252663	9.06	ug/L		99
65) 2-Nitropropane	4.753	41	114989	45.59	ug/L		98
66) 4-Methyl-2-pentanone	4.868	43	508491	47.20	ug/L		99
67) trans-1,3-Dichloropropene	4.899	75	68514	9.04	ug/L		92
68) Tetrachloroethene	4.915	166	66091	10.25	ug/L		91
69) Ethyl methacrylate	5.009	69	74254	8.91	ug/L		94
70) 1,1,2-Trichloroethane	4.998	83	44691	9.19	ug/L		94
71) Dibromochloromethane	5.119	129	47991	9.39	ug/L		93
72) 1,3-Dichloropropane	5.171	76	90090	9.22	ug/L		98
73) 1,2-Dibromoethane	5.270	107	54654	9.91	ug/L		98
74) 3,3-dimethyl-1-butanol	5.401	57	841903	487.73	ug/L		97
75) 2-hexanone	5.406	43	519777	47.56	ug/L	#	79
76) 1-Chlorohexane	5.620	91	62295m	8.01	ug/L		
77) Ethylbenzene	5.657	91	268117	9.17	ug/L		98
78) Chlorobenzene	5.631	112	160015	9.34	ug/L		92
79) 1,1,1,2-Tetrachloroethane	5.673	131	50513	9.78	ug/L		94
80) m,p-Xylene	5.756	91	404909	18.11	ug/L		95
81) o-Xylene	6.049	91	204128	8.78	ug/L		99
82) Styrene	6.086	104	140701	9.02	ug/L		98
83) Bromoform	6.096	173	31288	9.03	ug/L		93
84) Isopropylbenzene	6.279	105	241678	9.18	ug/L		98
87) cis-1,4-Dichloro-2-butene	6.504	53	18654	6.92	ug/L	#	68
88) n-Propylbenzene	6.582	91	263874	8.00	ug/L		100
89) Bromobenzene	6.546	156	63762	9.35	ug/L		94
90) 1,1,2,2-Tetrachloroethane	6.603	83	86200	9.16	ug/L		96
91) 1,3,5-Trimethylbenzene	6.729	105	191536	8.53	ug/L		100
92) 2-Chlorotoluene	6.687	91	165787	8.47	ug/L		96
93) trans-1,4-Dichloro-2-B...	6.734	53	19890	7.78	ug/L	#	75
94) 1,2,3-Trichloropropane	6.697	110	28269	8.57	ug/L		96
95) Cyclohexanone	6.729	55	12316	26.03	ug/L		80
96) 4-Chlorotoluene	6.807	91	168582	8.25	ug/L		95
97) tert-Butylbenzene	6.964	91	101177	8.47	ug/L		98
99) 1,2,4-Trimethylbenzene	7.016	105	187959	8.57	ug/L		100
100) Pentachloroethane	6.969	167	29100	8.98	ug/L	#	90
101) sec-Butylbenzene	7.105	105	214627	8.56	ug/L		97
102) 4-Isopropyltoluene	7.215	119	175767	8.61	ug/L		98
103) 1,3-Dichlorobenzene	7.257	146	108058	8.78	ug/L		95
104) 1,2,3-Trimethylbenzene	7.346	105	191277	8.59	ug/L		96
105) 1,4-Dichlorobenzene	7.314	146	116525	8.71	ug/L		92
106) n-Butylbenzene	7.534	92	66900	8.34	ug/L		95
107) Benzyl Chloride	7.497	126	21922	8.94	ug/L		93
108) 1,2-Dichlorobenzene	7.628	146	104483	9.19	ug/L		92
109) 1,2-Dibromo-3-Chloropr...	8.187	75	13839	8.07	ug/L		91
110) Hexachlorobutadiene	8.663	225	24271	10.15	ug/L		96
111) 1,2,4-Trichlorobenzene	8.668	180	55660	10.89	ug/L		96
112) Naphthalene	8.867	128	169293	9.52	ug/L		98
113) 1,2,3-Trichlorobenzene	8.992	180	50817	9.63	ug/L		95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104192.D
Acq On : 7 Feb 2024 10:12 am
Operator : LIANAT
Sample : IC3959-3 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 07 13:21:56 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration



Manual Integration Approval Summary

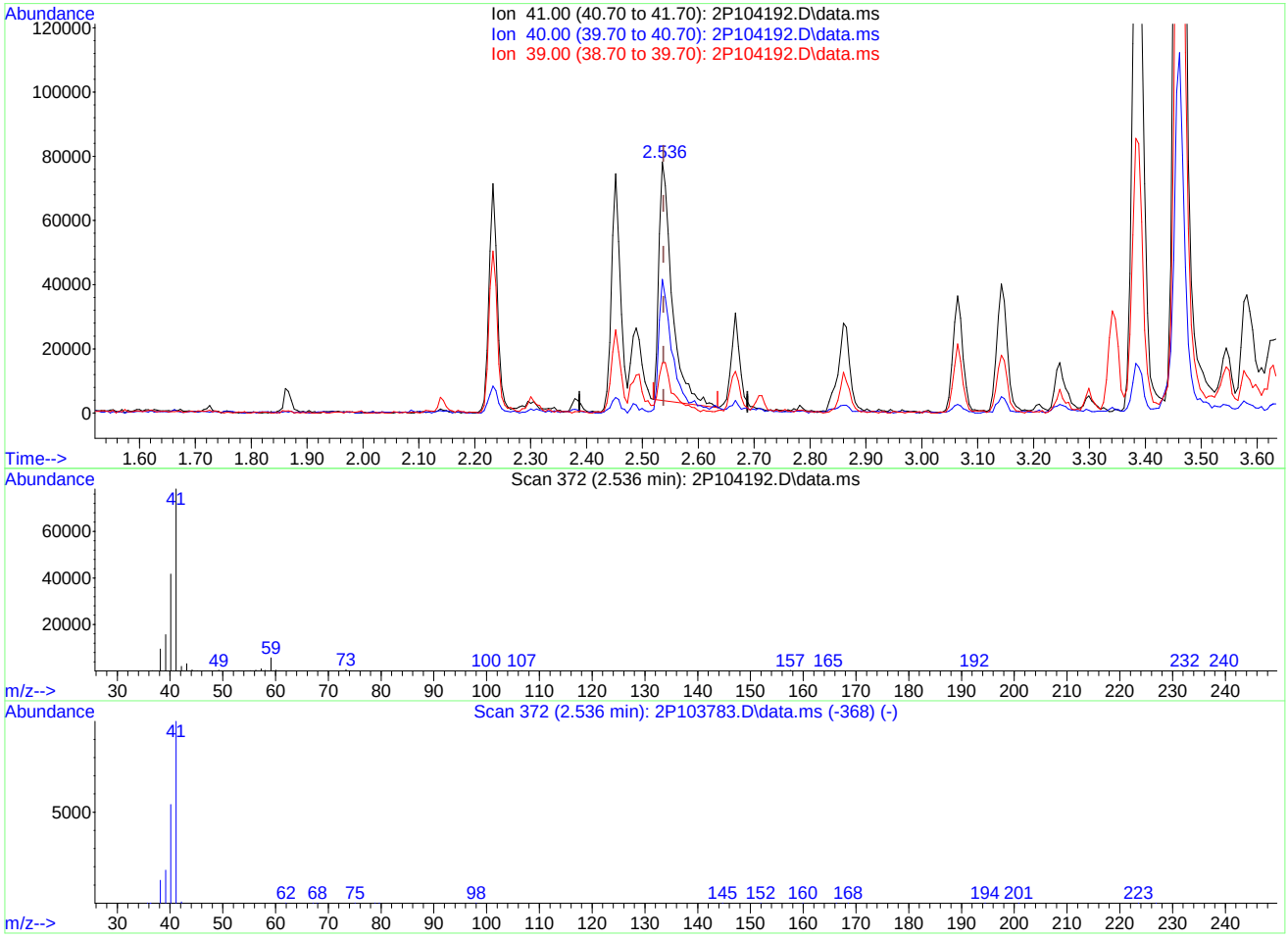
Sample Number: V2P3959-IC3959
Lab FileID: 2P104192.D
Injection Time: 02/07/24 10:12
Method: SW846 8260D
Analyst approved: 02/08/24 10:16 Liana Tortrodriguez
Supervisor approved: 02/08/24 11:45 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Acetonitrile	75-05-8		2.54	Poor instrument integration
Isobutyl Alcohol	78-83-1		3.58	Poor instrument integration
1-Chlorohexane	544-10-5		5.62	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104192.D
Acq On : 7 Feb 2024 10:12 am
Operator : LIANAT
Sample : IC3959-3 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 07 12:16:39 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration



TIC: 2P104192.D\data.ms

(25) Acetonitrile

2.536min (-0.002) 82.31ug/L

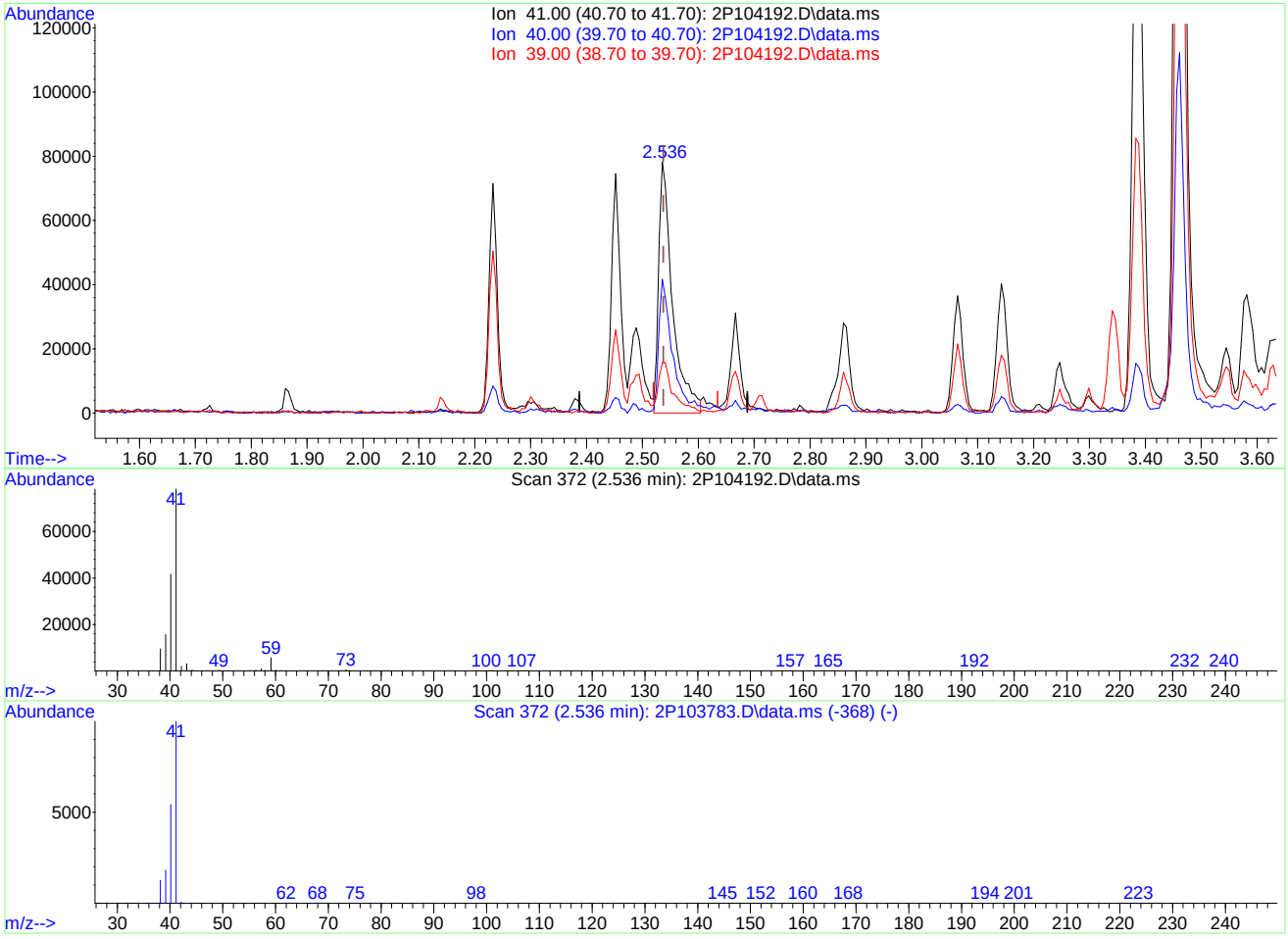
response 119476

Ion	Exp%	Act%
41.00	100	100
40.00	47.70	52.90
39.00	20.10	19.49
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104192.D
Acq On : 7 Feb 2024 10:12 am
Operator : LIANAT
Sample : IC3959-3 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 07 12:16:39 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration



TIC: 2P104192.D\data.ms

(25) Acetonitrile

2.536min (-0.002) 92.63ug/L m

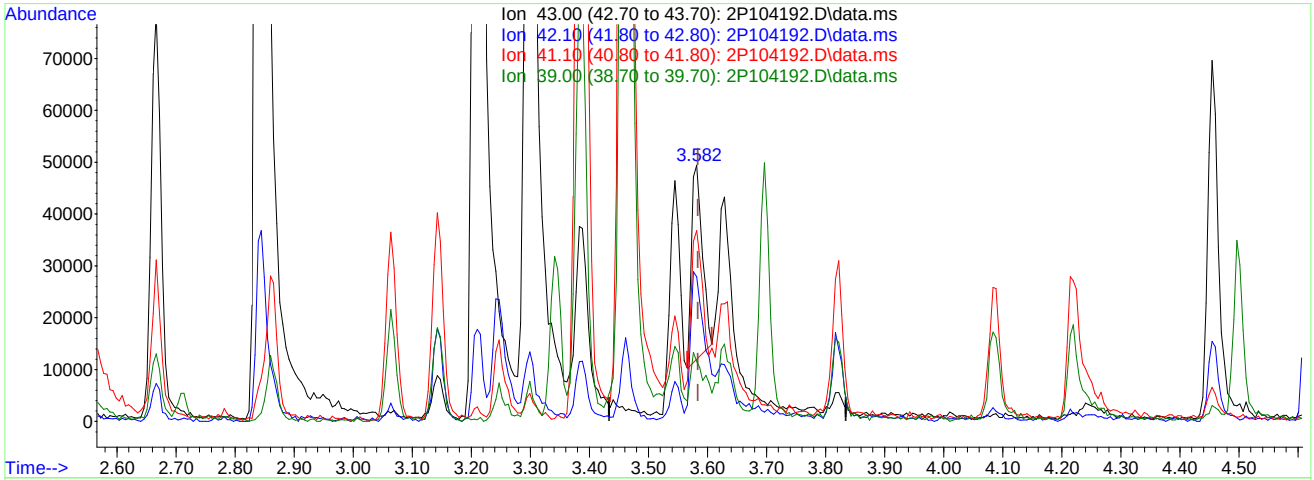
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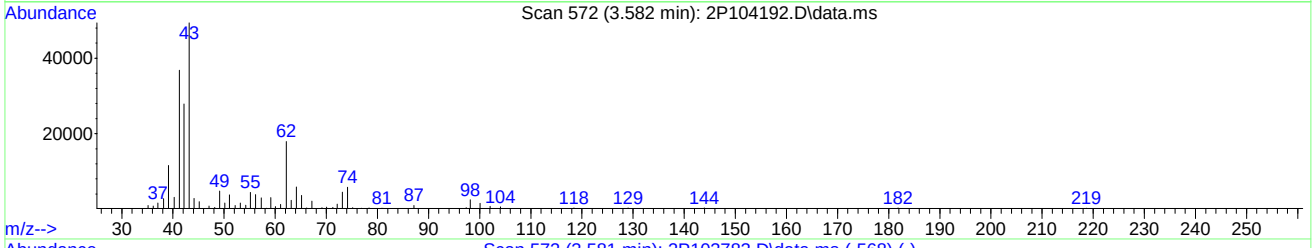
Ion	Exp%	Act%
41.00	100	100
40.00	47.70	53.27
39.00	20.10	20.03
0.00	0.00	0.00

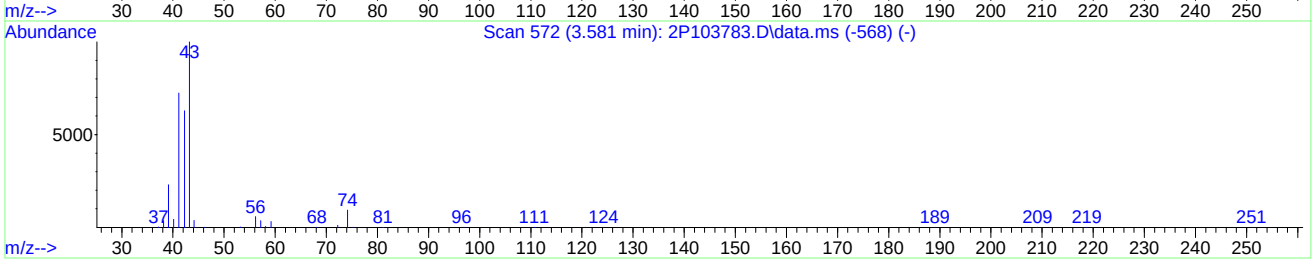
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104192.D
Acq On : 7 Feb 2024 10:12 am
Operator : LIANAT
Sample : IC3959-3 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 07 12:16:39 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration







TIC: 2P104192.D\data.ms

(50) Isobutyl alcohol

3.582min (-0.002) 94.25ug/L

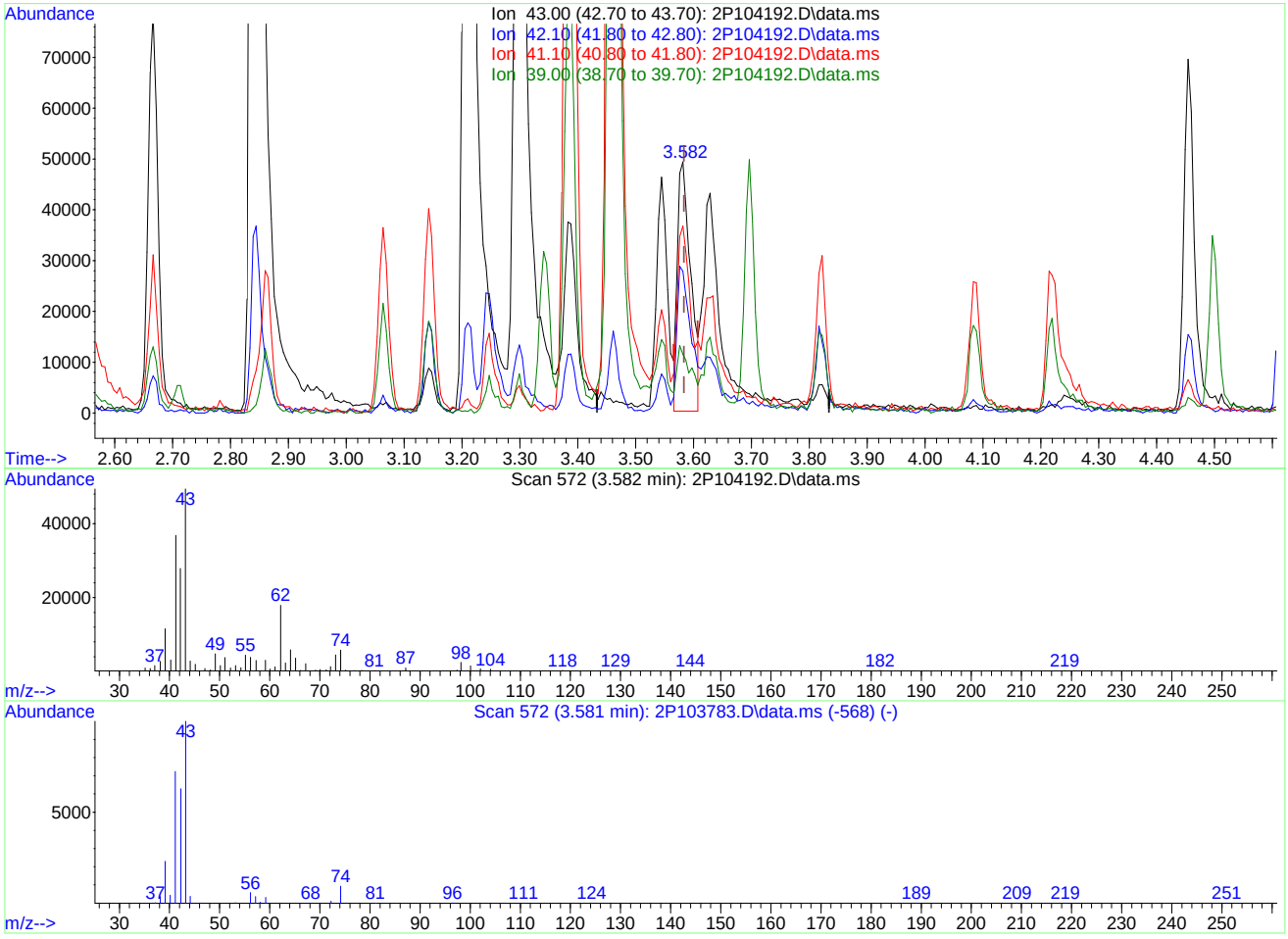
response 48081

Ion	Exp%	Act%
43.00	100	100
42.10	61.30	62.92
41.10	74.10	73.94
39.00	25.90	19.45

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104192.D
Acq On : 7 Feb 2024 10:12 am
Operator : LIANAT
Sample : IC3959-3 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 07 12:16:39 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration



TIC: 2P104192.D\data.ms

(50) Isobutyl alcohol

3.582min (-0.002) 153.98ug/L m

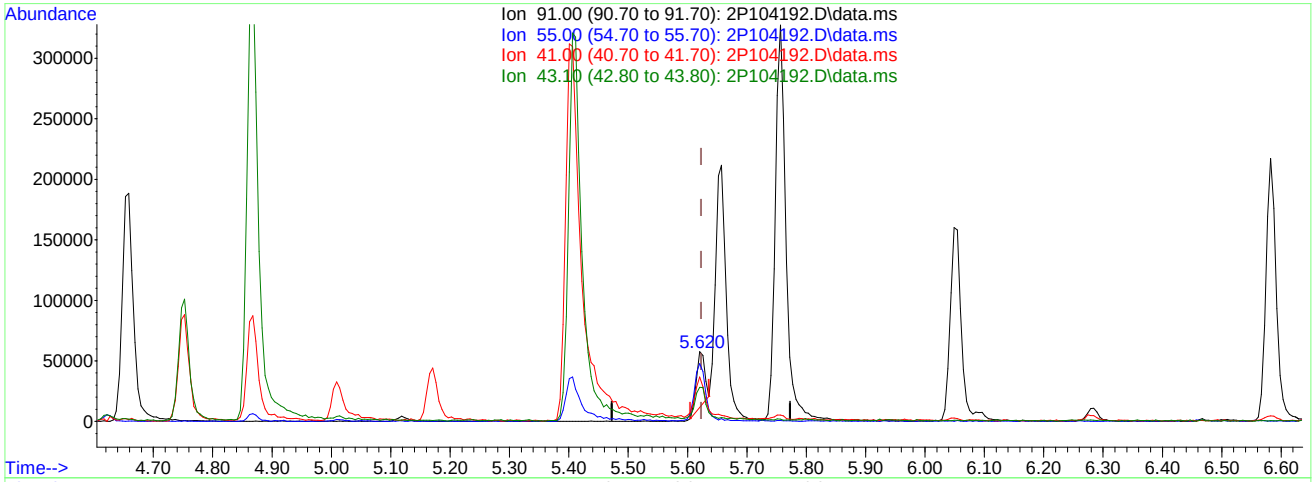
response 78634

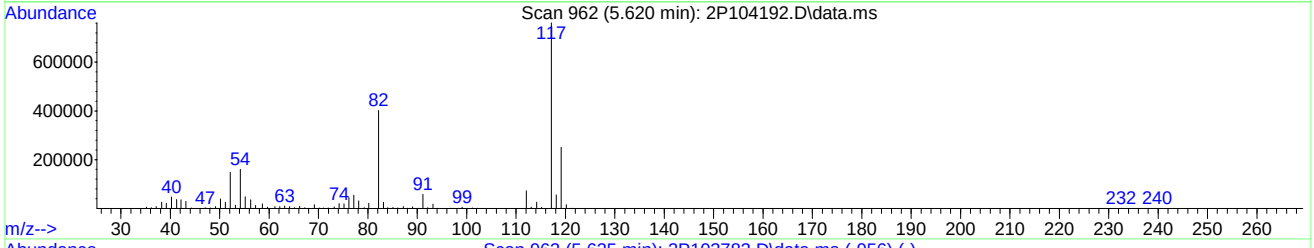
Ion	Exp%	Act%
43.00	100	100
42.10	61.30	56.41
41.10	74.10	74.55
39.00	25.90	23.39

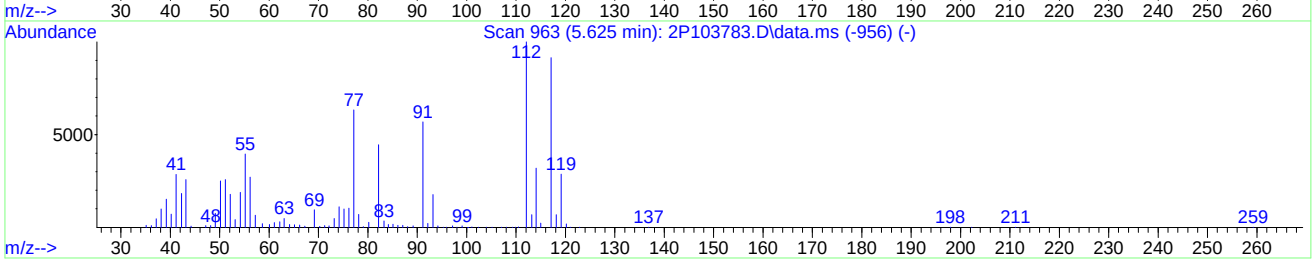
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104192.D
Acq On : 7 Feb 2024 10:12 am
Operator : LIANAT
Sample : IC3959-3 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 07 12:16:39 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration







TIC: 2P104192.D\data.ms

(76) 1-Chlorohexane

5.620min (-0.003) 6.00ug/L

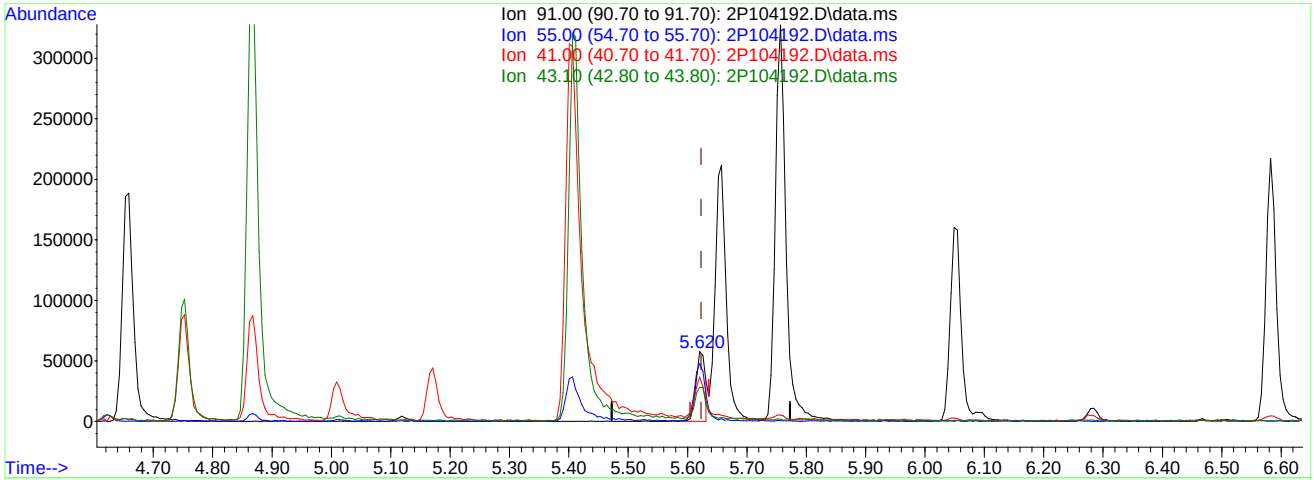
response 46704

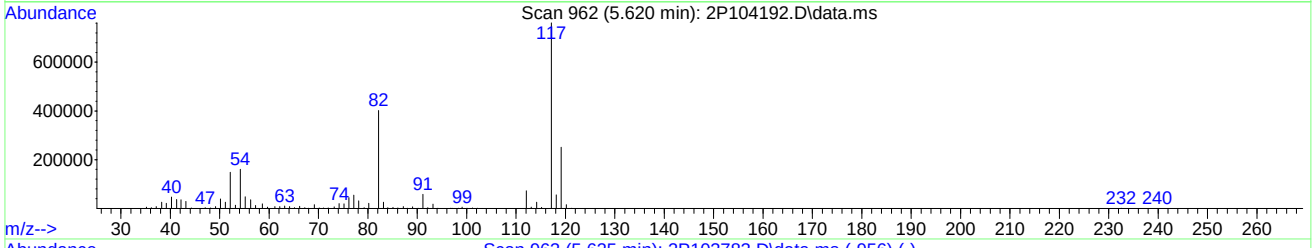
Ion	Exp%	Act%
91.00	100	100
55.00	75.40	74.24
41.00	56.40	53.10
43.10	46.70	42.07

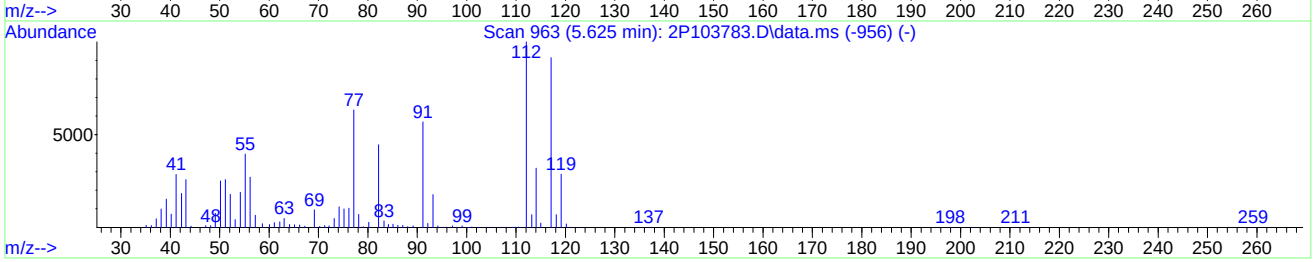
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104192.D
Acq On : 7 Feb 2024 10:12 am
Operator : LIANAT
Sample : IC3959-3 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 07 12:16:39 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration







TIC: 2P104192.D\data.ms

(76) 1-Chlorohexane

5.620min (-0.003) 8.01ug/L m

response 62295

Ion	Exp%	Act%
91.00	100	100
55.00	75.40	83.01
41.00	56.40	63.99
43.10	46.70	49.14

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
02/08/24 11:45

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104193.D
Acq On : 7 Feb 2024 10:38 am
Operator : LIANAT
Sample : IC3959-4 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 07 13:24:29 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	3.698	96	1545686	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.617	117	1086915	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.306	152	552759	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.244	113	337627	51.95	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 103.90%			
49) 1,2-Dichloroethane-d4	3.526	65	420038	51.16	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 102.32%			
63) Toluene-d8	4.624	98	1512251	47.73	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 95.46%			
86) 4-Bromofluorobenzene	6.469	174	482830	53.08	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 106.16%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.116	85	139594	41.43	ug/L	100
3) Chloromethane	1.241	50	161261	34.02	ug/L	100
4) 1,3-butadiene	1.309	39	189756	28.18	ug/L	100
5) Vinyl Chloride	1.293	62	169946	31.35	ug/L	97
6) Bromomethane	1.497	94	82160	30.67	ug/L	99
7) Chloroethane	1.571	64	51715	28.26	ug/L	97
8) Trichlorofluoromethane	1.665	101	247640	31.64	ug/L	100
9) Ethyl Ether	1.863	59	143565	24.11	ug/L	99
10) Ethanol	1.952	45	72383	471.14	ug/L	99
11) 1,2-Dichlorotrifluoroe...	1.963	67	150882	23.99	ug/L	94
12) 1,1-Dichloroethene	1.968	61	212221	25.41	ug/L	99
13) Freon 113	1.999	101	129035	26.92	ug/L	98
14) Carbon Disulfide	1.989	76	396692	25.62	ug/L	97
15) Iodomethane	2.046	142	139475	34.09	ug/L	93
16) Acrolein	2.140	56	246167	129.87	ug/L	98
17) Allyl chloride	2.229	41	218460	26.63	ug/L	96
18) Methylene Chloride	2.287	49	205443	26.90	ug/L	98
19) Acetone	2.297	43	412750	116.29	ug/L	98
20) Methyl acetate	2.381	43	1059637	120.62	ug/L	99
21) trans-1,2-Dichloroethene	2.386	61	213615	25.12	ug/L	98
22) Hexane	2.449	56	109663	24.36	ug/L	98
23) Methyl Tert Butyl Ether	2.454	73	500678	25.43	ug/L	95
24) Tert Butyl Alcohol	2.491	59	520063	248.34	ug/L	98
25) Acetonitrile	2.533	41	374862m	248.02	ug/L	
26) Di-isopropyl ether	2.663	45	531574	26.41	ug/L	97
27) Chloroprene	2.710	53	733752	26.02	ug/L	99
28) 1,1-Dichloroethane	2.710	63	293360	25.50	ug/L	98
29) Acrylonitrile	2.710	52	469151	126.68	ug/L	97
30) ETBE	2.862	59	539780	26.99	ug/L	96
31) Vinyl acetate	2.841	43	1997076	144.23	ug/L	98
32) cis-1,2-Dichloroethene	3.003	96	162810	24.24	ug/L	96
33) 2,2-Dichloropropane	3.066	77	216548	26.70	ug/L	99
34) Bromochloromethane	3.108	128	79083	27.14	ug/L	96
35) Cyclohexane	3.144	56	266453	26.38	ug/L	99
36) Chloroform	3.144	83	281605	25.85	ug/L	99
37) Ethyl acetate	3.207	43	1315981	135.48	ug/L	99
38) Tetrahydrofuran	3.244	42	104550	26.04	ug/L	94
40) Carbon Tetrachloride	3.249	117	181633m	25.77	ug/L	
41) 1,1,1-Trichloroethane	3.270	97	228206	25.74	ug/L	96
42) 2-Butanone	3.296	43	724696	128.24	ug/L	99
43) 1,1-Dichloropropene	3.343	75	196210	24.98	ug/L	98
44) tert-Butyl formate	3.385	59	681688	145.34	ug/L	97
45) Propionitrile	3.437	54	427872	277.37	ug/L	95
46) Methacrylonitrile	3.458	41	1550710	266.35	ug/L	97
47) Benzene	3.468	78	659475	24.68	ug/L	87
48) TAME	3.547	73	498161	26.67	ug/L	99
50) Isobutyl alcohol	3.578	43	291875m	545.94	ug/L	
51) 1,2-Dichloroethane	3.568	62	220409	25.35	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104193.D
Acq On : 7 Feb 2024 10:38 am
Operator : LIANAT
Sample : IC3959-4 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 07 13:24:29 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration

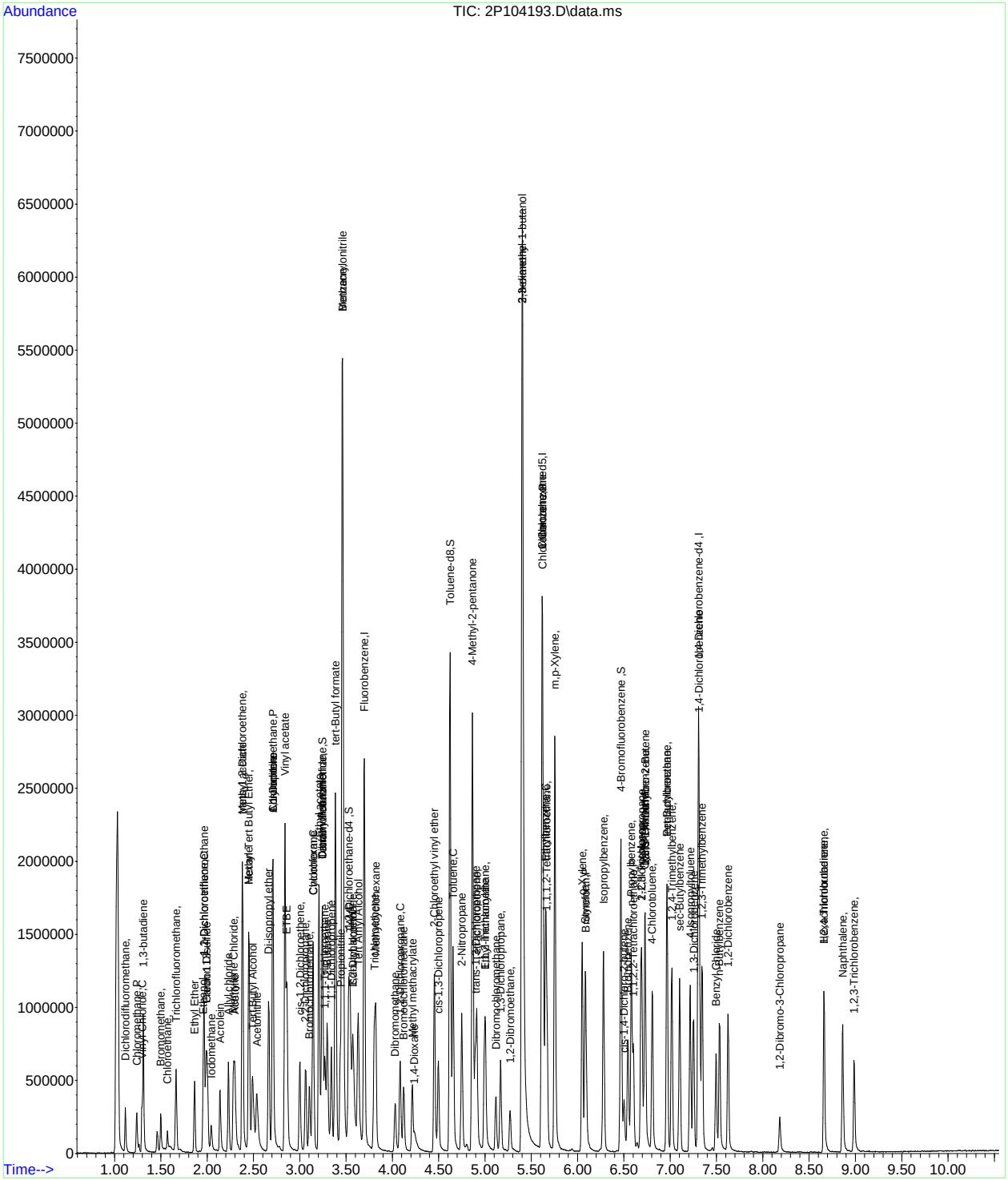
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) Tert Amyl Alcohol	3.630	59	418574	264.29	ug/L		99
53) Trichloroethene	3.803	95	160827	24.81	ug/L		98
54) Methylcyclohexane	3.819	83	231191	25.52	ug/L		99
55) Dibromomethane	4.028	93	85826	25.68	ug/L		89
56) 1,2-Dichloropropane	4.085	63	149364	25.37	ug/L		97
57) Bromodichloromethane	4.122	83	186797	26.15	ug/L		98
58) Methyl methacrylate	4.216	41	174932	28.26	ug/L		95
59) 1,4-Dioxane	4.242	88	73596	514.08	ug/L		89
60) 2-Chloroethyl vinyl ether	4.451	63	375540	133.93	ug/L		97
61) cis-1,3-Dichloropropene	4.498	75	225119	27.19	ug/L		98
64) Toluene	4.655	91	692193	23.44	ug/L		98
65) 2-Nitropropane	4.749	41	371607	134.07	ug/L		94
66) 4-Methyl-2-pentanone	4.864	43	1375683	121.12	ug/L		99
67) trans-1,3-Dichloropropene	4.896	75	218061	26.49	ug/L		96
68) Tetrachloroethene	4.911	166	179925	26.35	ug/L		99
69) Ethyl methacrylate	5.005	69	233713	26.28	ug/L		94
70) 1,1,2-Trichloroethane	4.995	83	126535	24.57	ug/L		97
71) Dibromochloromethane	5.120	129	136799	25.27	ug/L		96
72) 1,3-Dichloropropane	5.167	76	258297	24.98	ug/L		96
73) 1,2-Dibromoethane	5.272	107	154669	26.50	ug/L		98
74) 3,3-dimethyl-1-butanol	5.403	57	2214274	1208.80	ug/L		99
75) 2-hexanone	5.408	43	1439415	122.63	ug/L		97
76) 1-Chlorohexane	5.622	91	208527m	25.32	ug/L		
77) Ethylbenzene	5.654	91	739121	23.87	ug/L		98
78) Chlorobenzene	5.628	112	431047	23.77	ug/L		98
79) 1,1,1,2-Tetrachloroethane	5.669	131	142279	26.02	ug/L		95
80) m,p-Xylene	5.753	91	1158726	48.96	ug/L		98
81) o-Xylene	6.051	91	595661	24.19	ug/L		97
82) Styrene	6.082	104	453298	27.44	ug/L		98
83) Bromoform	6.093	173	105625	28.81	ug/L		95
84) Isopropylbenzene	6.281	105	705215	25.30	ug/L		98
87) cis-1,4-Dichloro-2-butene	6.501	53	61862	22.28	ug/L		95
88) n-Propylbenzene	6.579	91	777460	22.89	ug/L		98
89) Bromobenzene	6.542	156	178291	25.40	ug/L		94
90) 1,1,2,2-Tetrachloroethane	6.605	83	231579	23.91	ug/L		99
91) 1,3,5-Trimethylbenzene	6.725	105	547981	23.72	ug/L		100
92) 2-Chlorotoluene	6.684	91	475461	23.60	ug/L		99
93) trans-1,4-Dichloro-2-B...	6.731	53	72328	25.63	ug/L	#	66
94) 1,2,3-Trichloropropane	6.694	110	80146	23.60	ug/L		88
95) Cyclohexanone	6.720	55	57769	118.65	ug/L		90
96) 4-Chlorotoluene	6.804	91	496280	23.60	ug/L		95
97) tert-Butylbenzene	6.966	91	287530	23.38	ug/L		97
99) 1,2,4-Trimethylbenzene	7.018	105	537461	23.82	ug/L		97
100) Pentachloroethane	6.966	167	91398	27.40	ug/L		97
101) sec-Butylbenzene	7.102	105	606537	23.52	ug/L		99
102) 4-Isopropyltoluene	7.217	119	517562	24.64	ug/L		98
103) 1,3-Dichlorobenzene	7.253	146	305585	24.12	ug/L		99
104) 1,2,3-Trimethylbenzene	7.348	105	543116	23.69	ug/L		98
105) 1,4-Dichlorobenzene	7.316	146	314395	22.84	ug/L		98
106) n-Butylbenzene	7.530	92	211853	24.65	ug/L		98
107) Benzyl Chloride	7.494	126	77490	28.32	ug/L	#	77
108) 1,2-Dichlorobenzene	7.625	146	280985	24.01	ug/L		98
109) 1,2-Dibromo-3-Chloropr...	8.184	75	47130	25.85	ug/L		92
110) Hexachlorobutadiene	8.665	225	71003	28.86	ug/L		88
111) 1,2,4-Trichlorobenzene	8.660	180	156898	28.41	ug/L		91
112) Naphthalene	8.864	128	514078	26.69	ug/L		99
113) 1,2,3-Trichlorobenzene	8.989	180	147690	27.21	ug/L		90

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104193.D
Acq On : 7 Feb 2024 10:38 am
Operator : LIANAT
Sample : IC3959-4 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 07 13:24:29 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration



Manual Integration Approval Summary

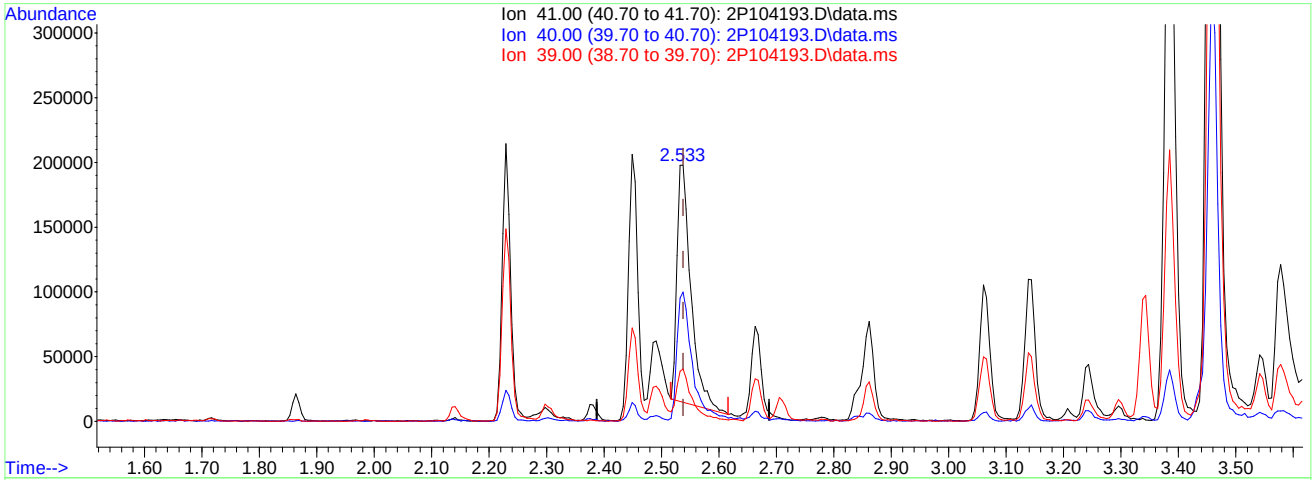
Sample Number: V2P3959-IC3959
Lab FileID: 2P104193.D
Injection Time: 02/07/24 10:38
Method: SW846 8260D
Analyst approved: 02/08/24 10:16 Liana Tortrodriguez
Supervisor approved: 02/08/24 11:45 Karen Watson

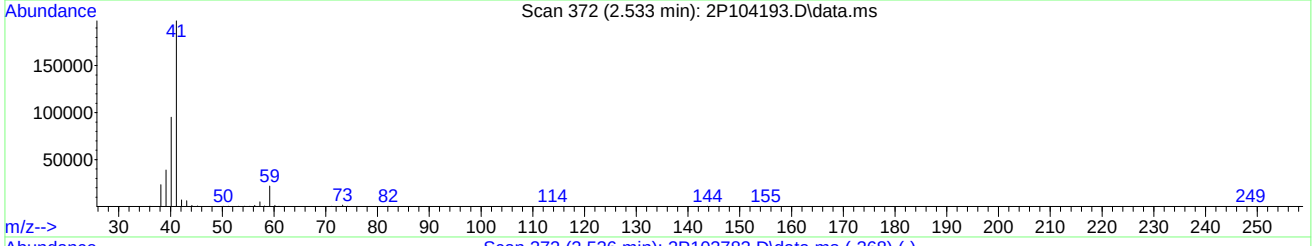
Parameter	CAS	Sig#	R.T. (min.)	Reason
Acetonitrile	75-05-8		2.53	Poor instrument integration
Carbon Tetrachloride	56-23-5		3.25	Missed peak
Isobutyl Alcohol	78-83-1		3.58	Poor instrument integration
1-Chlorohexane	544-10-5		5.62	Poor instrument integration

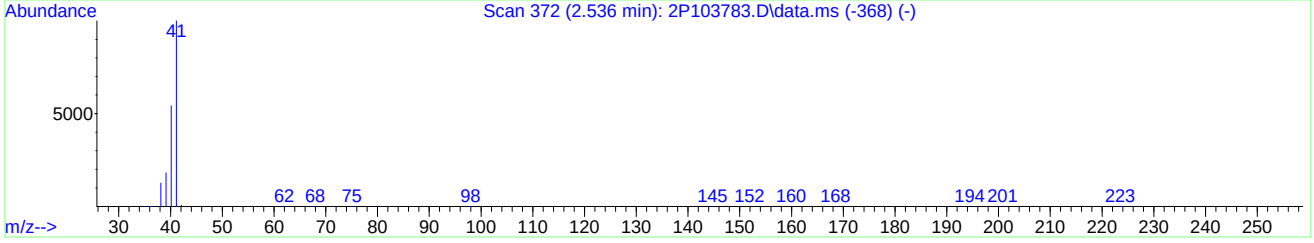
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104193.D
Acq On : 7 Feb 2024 10:38 am
Operator : LIANAT
Sample : IC3959-4 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 07 12:16:40 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration







TIC: 2P104193.D\data.ms

(25) Acetonitrile

2.533min (-0.005) 202.12ug/L

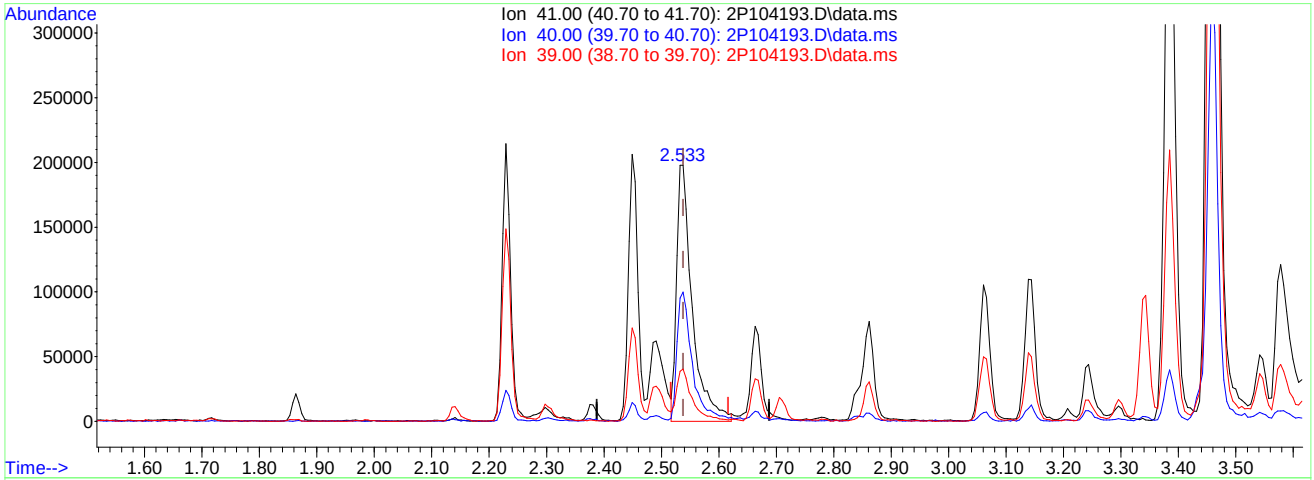
response 305367

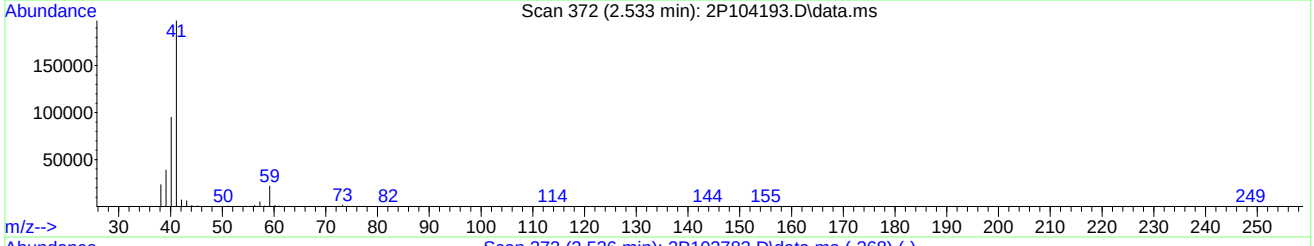
Ion	Exp%	Act%
41.00	100	100
40.00	47.70	48.30
39.00	20.10	19.59
0.00	0.00	0.00

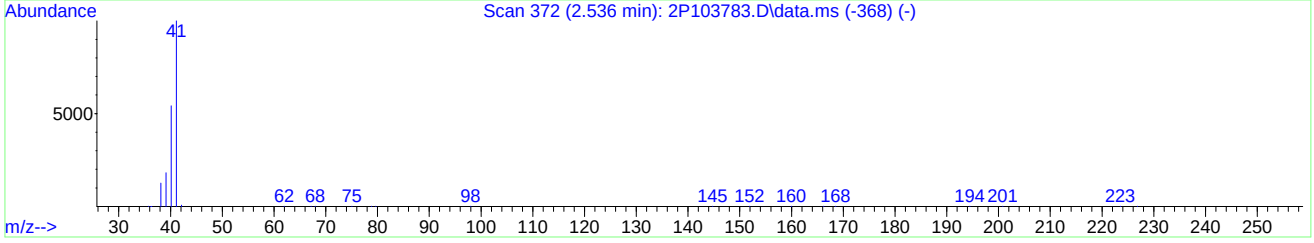
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104193.D
Acq On : 7 Feb 2024 10:38 am
Operator : LIANAT
Sample : IC3959-4 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 07 12:16:40 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration







TIC: 2P104193.D\data.ms

(25) Acetonitrile

2.533min (-0.005) 248.02ug/L m

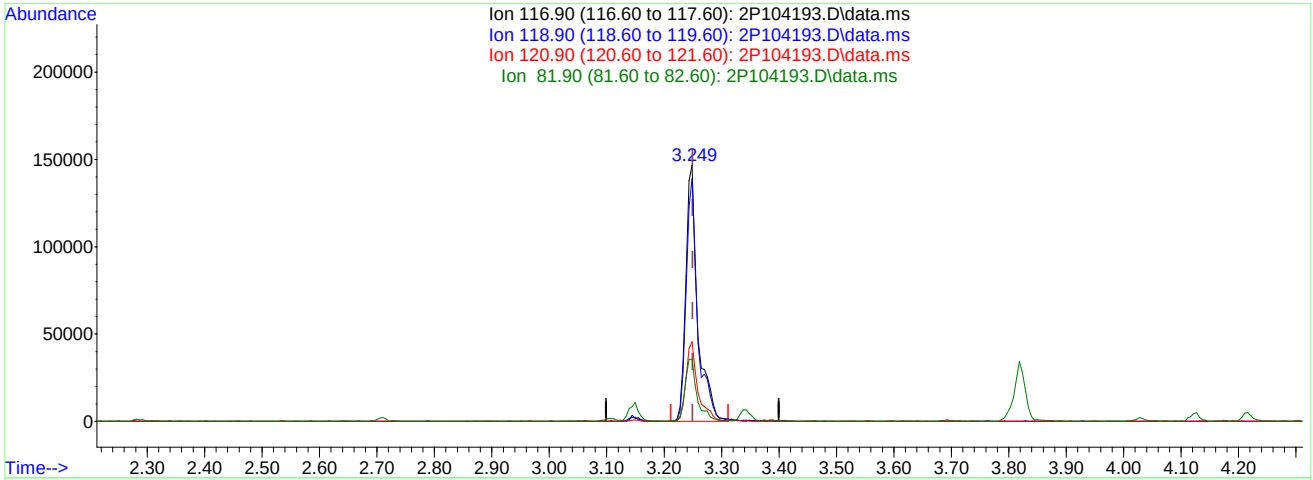
response 374862

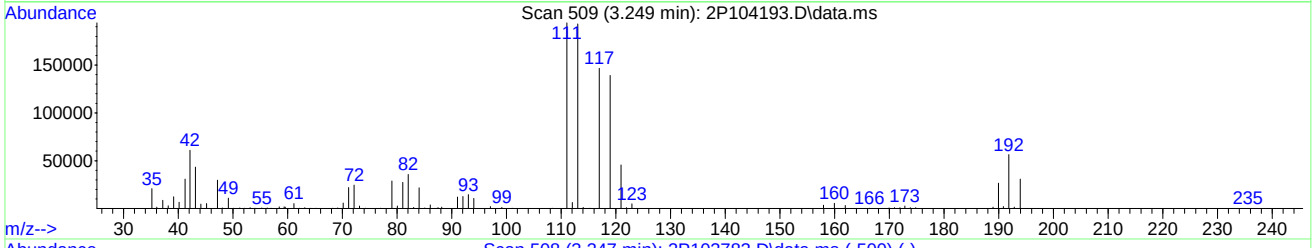
Ion	Exp%	Act%
41.00	100	100
40.00	47.70	48.14
39.00	20.10	19.62
0.00	0.00	0.00

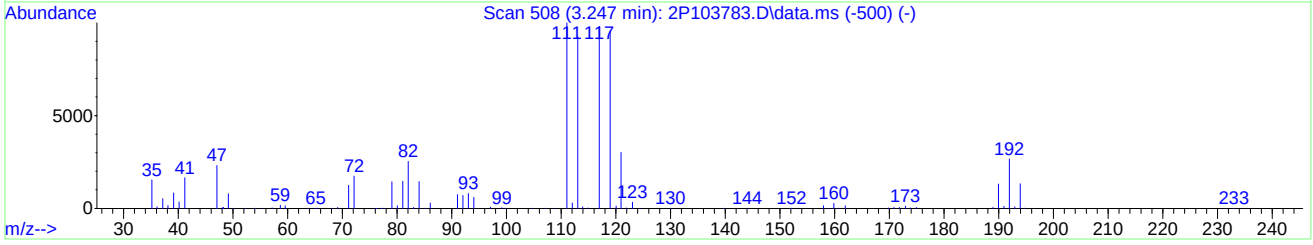
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104193.D
Acq On : 7 Feb 2024 10:38 am
Operator : LIANAT
Sample : IC3959-4 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 07 12:16:40 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration







TIC: 2P104193.D\data.ms

(40) Carbon Tetrachloride ( )

3.249min (-0.001) 29.93ug/L

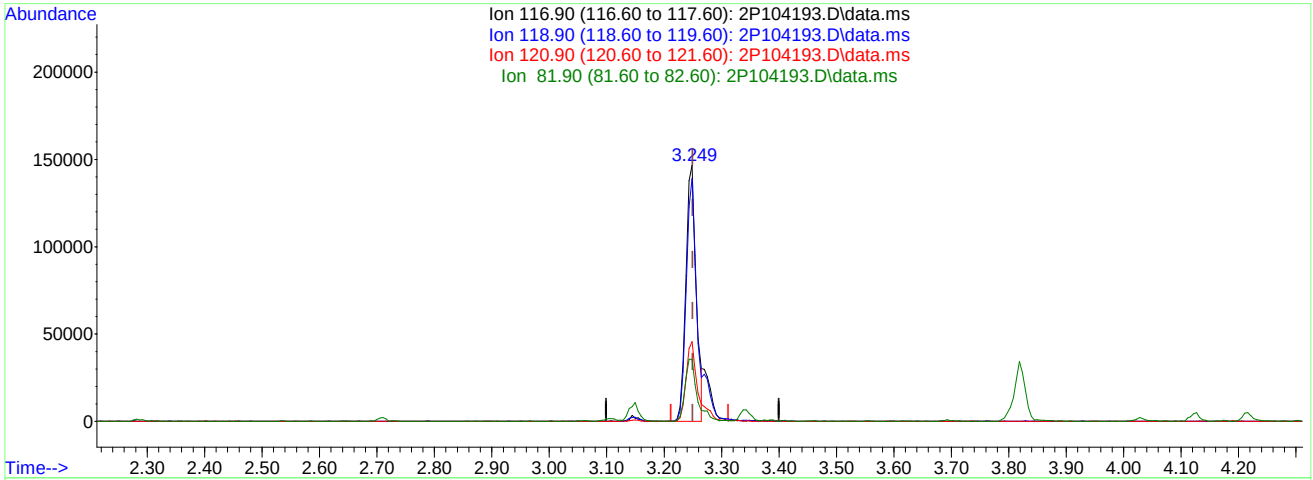
response 210986

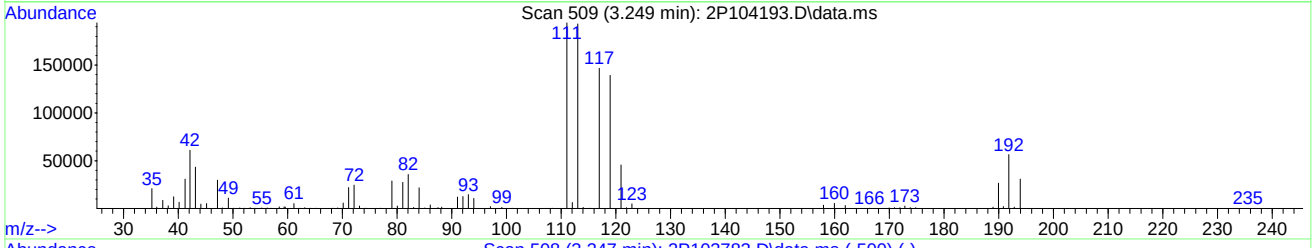
Ion	Exp%	Act%
116.90	100	100
118.90	98.50	94.69
120.90	32.80	31.15
81.90	26.00	24.14

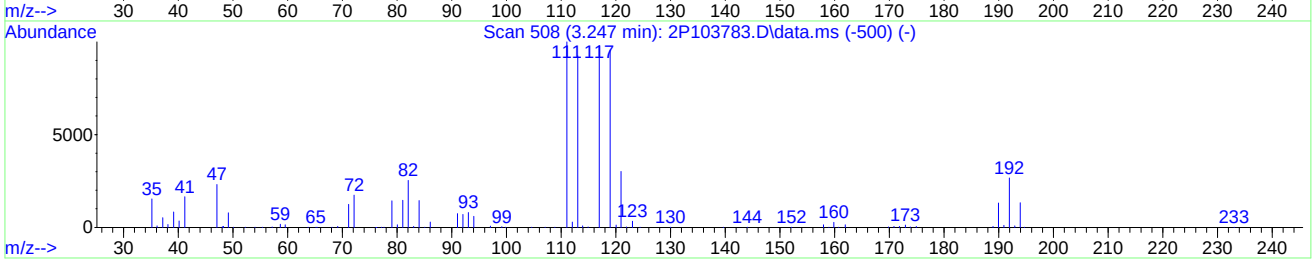
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104193.D
Acq On : 7 Feb 2024 10:38 am
Operator : LIANAT
Sample : IC3959-4 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 07 12:16:40 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration







TIC: 2P104193.D\data.ms

(40) Carbon Tetrachloride ( )

3.249min (-0.001) 25.77ug/L m

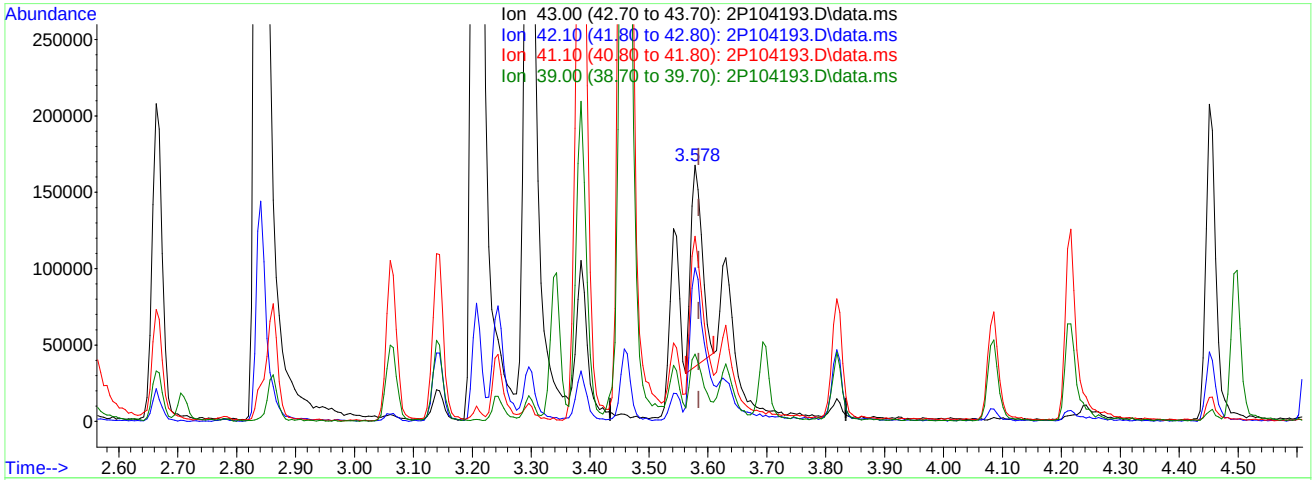
response 181633

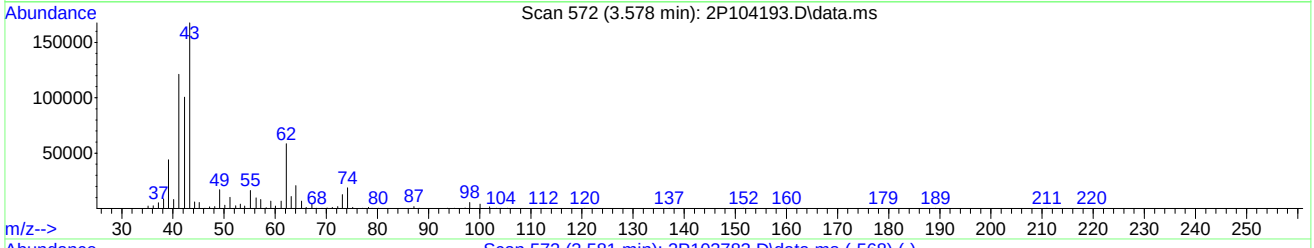
Ion	Exp%	Act%
116.90	100	100
118.90	98.50	94.85
120.90	32.80	31.15
81.90	26.00	24.32

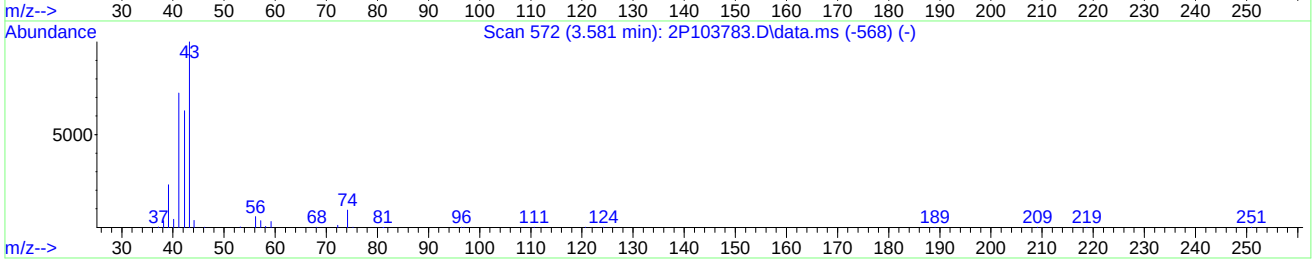
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104193.D
Acq On : 7 Feb 2024 10:38 am
Operator : LIANAT
Sample : IC3959-4 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 07 12:16:40 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration







TIC: 2P104193.D\data.ms

(50) Isobutyl alcohol

3.578min (-0.006) 332.03ug/L

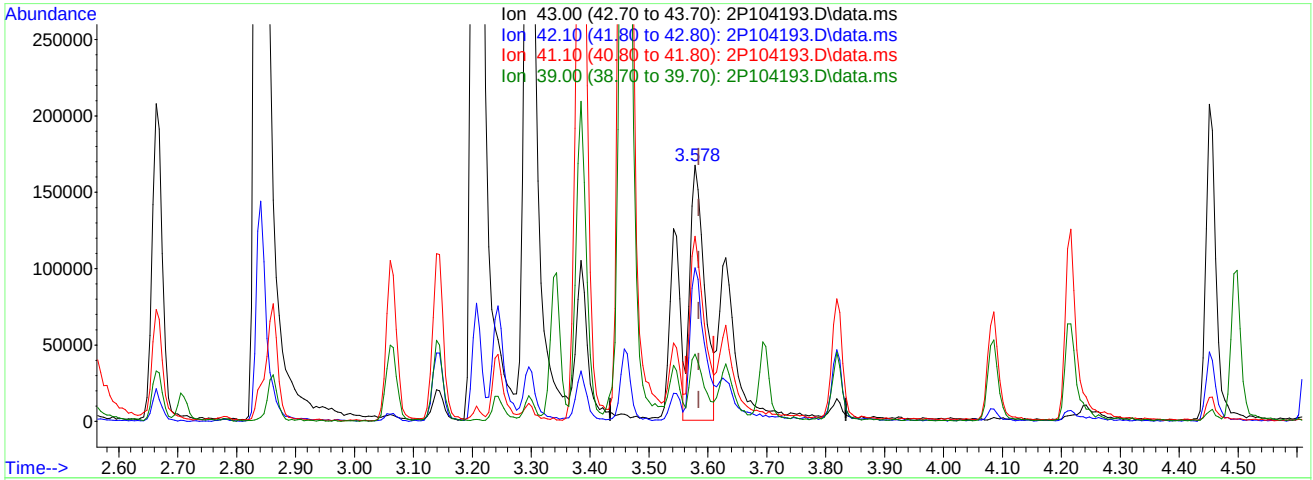
response 176860

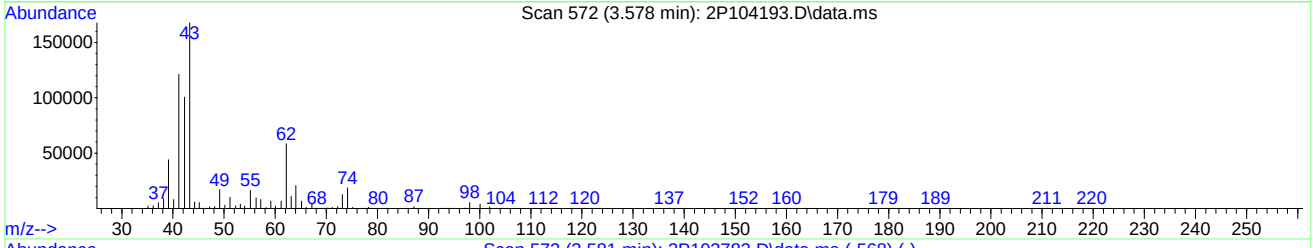
Ion	Exp%	Act%
43.00	100	100
42.10	61.30	66.76
41.10	74.10	75.58
39.00	25.90	25.77

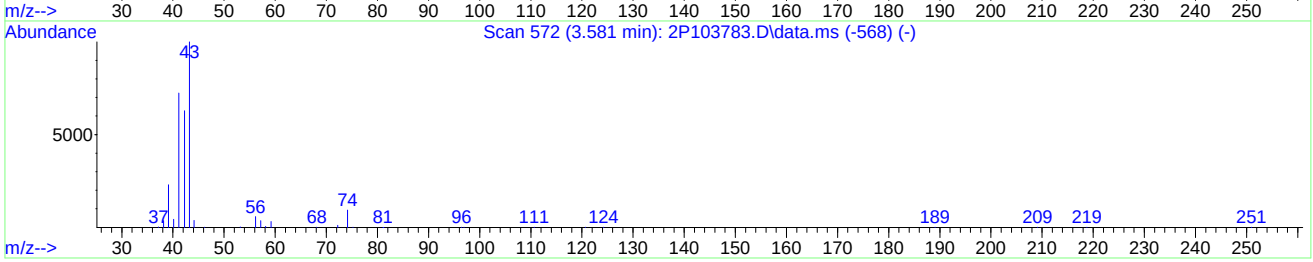
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104193.D
Acq On : 7 Feb 2024 10:38 am
Operator : LIANAT
Sample : IC3959-4 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 07 12:16:40 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration







TIC: 2P104193.D\data.ms

(50) Isobutyl alcohol

3.578min (-0.006) 545.94ug/L m

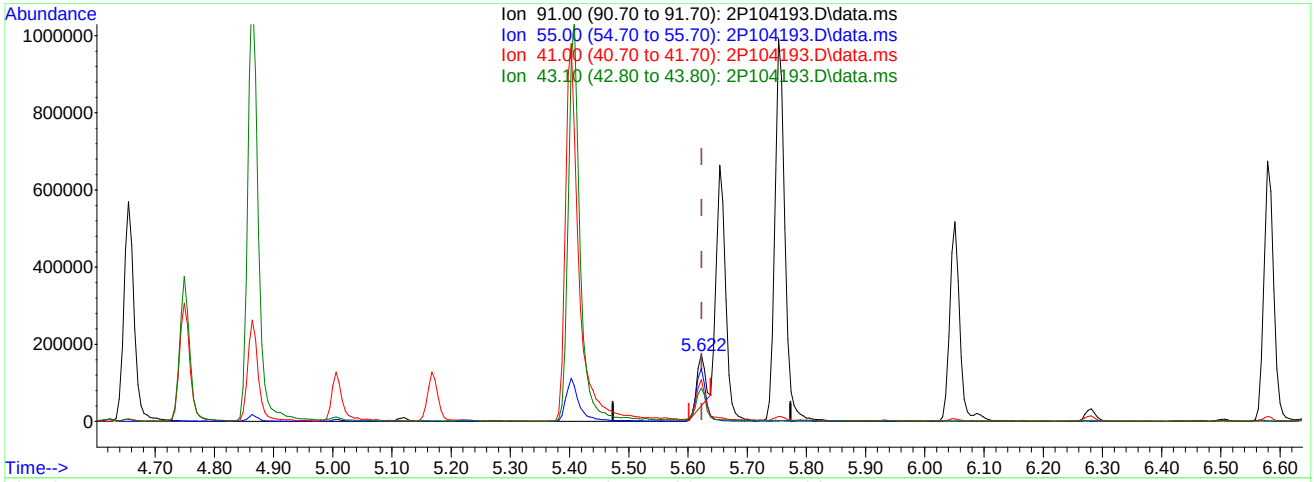
response 291875

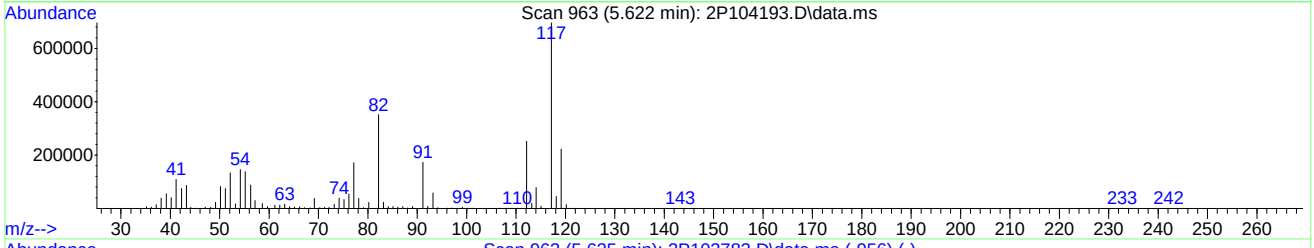
Ion	Exp%	Act%
43.00	100	100
42.10	61.30	59.94
41.10	74.10	72.26
39.00	25.90	26.25

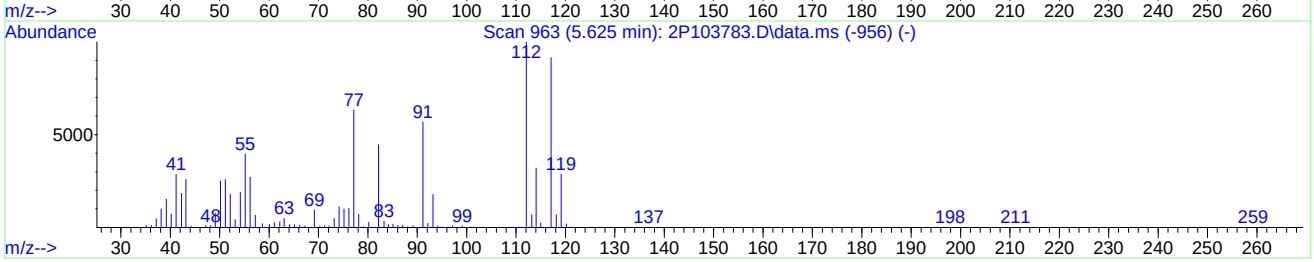
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104193.D
Acq On : 7 Feb 2024 10:38 am
Operator : LIANAT
Sample : IC3959-4 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 07 12:16:40 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration







TIC: 2P104193.D\data.ms

(76) 1-Chlorohexane

5.622min (-0.001) 15.82ug/L

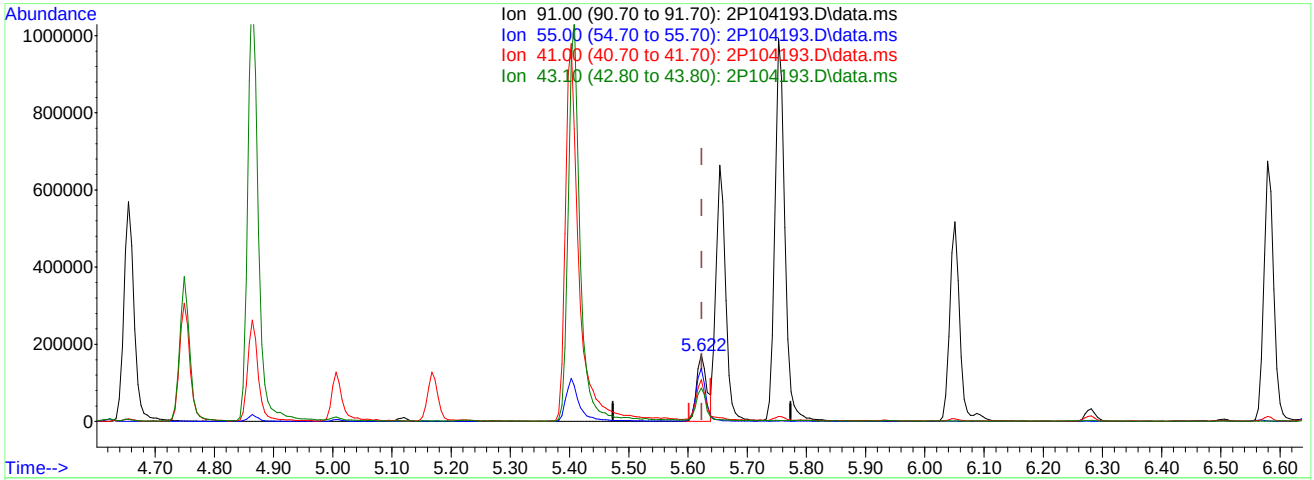
response 130261

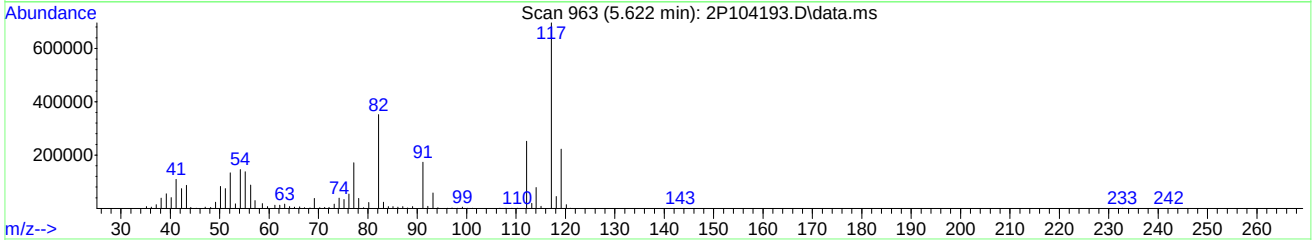
Ion	Exp%	Act%
91.00	100	100
55.00	75.40	77.52
41.00	56.40	59.60
43.10	46.70	47.67

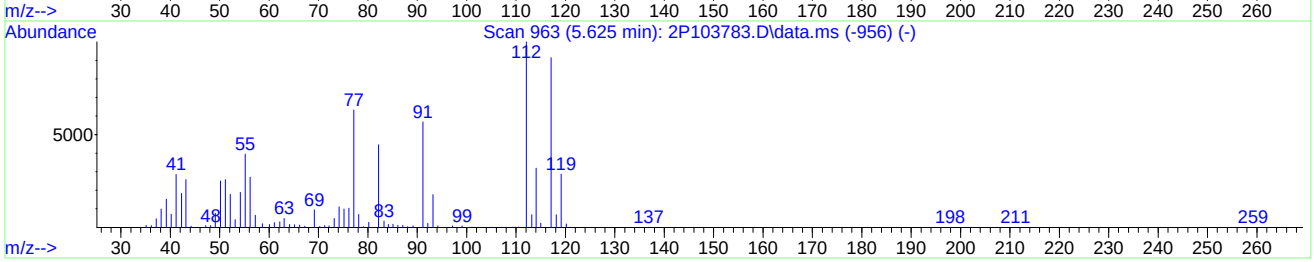
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104193.D
Acq On : 7 Feb 2024 10:38 am
Operator : LIANAT
Sample : IC3959-4 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 07 12:16:40 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration







TIC: 2P104193.D\data.ms

(76) 1-Chlorohexane

5.622min (-0.001) 25.32ug/L m

response 208527

Ion	Exp%	Act%
91.00	100	100
55.00	75.40	79.37
41.00	56.40	62.68
43.10	46.70	49.88

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
02/08/24 11:45

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104194.D
Acq On : 7 Feb 2024 11:03 am
Operator : LIANAT
Sample : ICC3959-5 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 07 14:14:53 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	3.694	96	1598868	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.618	117	1129607	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.307	152	567387	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.240	113	354901	52.79	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 105.58%			
49) 1,2-Dichloroethane-d4	3.527	65	431020	50.75	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 101.50%			
63) Toluene-d8	4.620	98	1544048	46.89	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 93.78%			
86) 4-Bromofluorobenzene	6.470	174	499960	53.55	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 107.10%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.117	85	239439	68.68	ug/L	100
3) Chloromethane	1.237	50	268352	55.64	ug/L	100
4) 1,3-butadiene	1.310	39	318512	45.73	ug/L	92
5) Vinyl Chloride	1.295	62	290328	51.78	ug/L	98
6) Bromomethane	1.499	94	141917	52.29	ug/L	99
7) Chloroethane	1.572	64	83582	44.16	ug/L	97
8) Trichlorofluoromethane	1.661	101	389694	57.46	ug/L	94
9) Ethyl Ether	1.865	59	239686	38.91	ug/L	98
10) Ethanol	1.964	45	104968m	689.33	ug/L	
11) 1,2-Dichlorotrifluoroe...	1.959	67	257615	39.59	ug/L	97
12) 1,1-Dichloroethene	1.964	61	360734	41.76	ug/L	97
13) Freon 113	2.001	101	231488	46.69	ug/L	96
14) Carbon Disulfide	1.985	76	664875	41.52	ug/L	97
15) Iodomethane	2.042	142	222596	51.34	ug/L	96
16) Acrolein	2.136	56	419079	213.73	ug/L	97
17) Allyl chloride	2.231	41	362006	42.66	ug/L	97
18) Methylene Chloride	2.283	49	317013	40.53	ug/L	95
19) Acetone	2.298	43	723855	197.17	ug/L	100
20) Methyl acetate	2.377	43	1744517	191.97	ug/L	99
21) trans-1,2-Dichloroethene	2.382	61	344494	39.16	ug/L	93
22) Hexane	2.450	56	191992	41.23	ug/L	91
23) Methyl Tert Butyl Ether	2.450	73	829376	40.73	ug/L	93
24) Tert Butyl Alcohol	2.492	59	825474	381.07	ug/L	99
25) Acetonitrile	2.534	41	610847m	390.27	ug/L	
26) Di-isopropyl ether	2.664	45	856562	41.14	ug/L	100
27) Chloroprene	2.706	53	1235447	42.36	ug/L	96
28) 1,1-Dichloroethane	2.706	63	476332	40.02	ug/L	98
29) Acrylonitrile	2.706	52	794376	207.36	ug/L	99
30) ETBE	2.863	59	873520	42.22	ug/L	97
31) Vinyl acetate	2.837	43	3382730	236.18	ug/L	100
32) cis-1,2-Dichloroethene	2.999	96	265540	38.22	ug/L	91
33) 2,2-Dichloropropane	3.062	77	349108	41.61	ug/L	97
34) Bromochloromethane	3.104	128	126703	42.04	ug/L	97
35) Cyclohexane	3.140	56	447192	42.80	ug/L	97
36) Chloroform	3.145	83	452605	40.17	ug/L	99
37) Ethyl acetate	3.208	43	2218451	220.79	ug/L	99
38) Tetrahydrofuran	3.240	42	167810	40.41	ug/L	94
40) Carbon Tetrachloride	3.245	117	306464m	42.04	ug/L	
41) 1,1,1-Trichloroethane	3.271	97	381881	41.63	ug/L	95
42) 2-Butanone	3.297	43	1282549	219.40	ug/L	100
43) 1,1-Dichloropropene	3.339	75	333372	41.04	ug/L	95
44) tert-Butyl formate	3.386	59	1186355	244.53	ug/L	98
45) Propionitrile	3.438	54	697795	437.30	ug/L	98
46) Methacrylonitrile	3.459	41	2562649	425.52	ug/L	98
47) Benzene	3.470	78	1068905	38.66	ug/L	93
48) TAME	3.543	73	809044	41.87	ug/L	98
50) Isobutyl alcohol	3.579	43	473275m	851.34	ug/L	
51) 1,2-Dichloroethane	3.564	62	355796	39.55	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104194.D
Acq On : 7 Feb 2024 11:03 am
Operator : LIANAT
Sample : ICC3959-5 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 07 14:14:53 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration

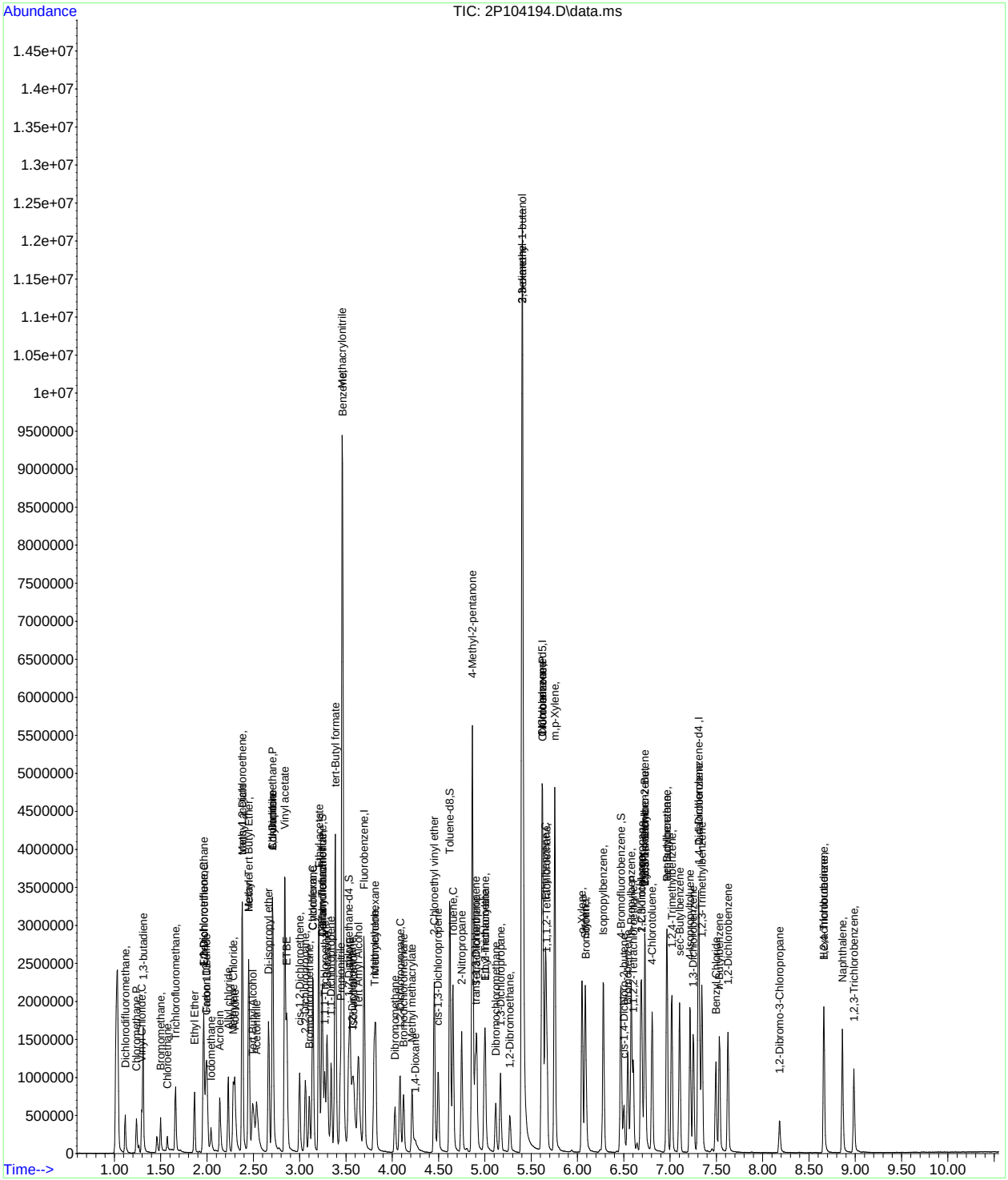
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
52) Tert Amyl Alcohol	3.632	59	681589	416.05 ug/L	99
53) Trichloroethene	3.804	95	258553	38.55 ug/L	93
54) Methylcyclohexane	3.820	83	405201	43.25 ug/L	99
55) Dibromomethane	4.029	93	147794	42.75 ug/L	88
56) 1,2-Dichloropropane	4.086	63	249671	40.99 ug/L	97
57) Bromodichloromethane	4.123	83	316291	42.81 ug/L	98
58) Methyl methacrylate	4.212	41	282657	43.31 ug/L	95
59) 1,4-Dioxane	4.249	88	121563	820.89 ug/L	95
60) 2-Chloroethyl vinyl ether	4.452	63	653207	213.62 ug/L	97
61) cis-1,3-Dichloropropene	4.499	75	381707	44.56 ug/L	97
64) Toluene	4.656	91	1114664	36.31 ug/L	97
65) 2-Nitropropane	4.750	41	625015	210.33 ug/L	95
66) 4-Methyl-2-pentanone	4.865	43	2522662	214.80 ug/L	99
67) trans-1,3-Dichloropropene	4.897	75	356189	40.81 ug/L	96
68) Tetrachloroethene	4.912	166	303713	42.80 ug/L	96
69) Ethyl methacrylate	5.007	69	390221	41.91 ug/L	97
70) 1,1,2-Trichloroethane	4.996	83	202158	37.78 ug/L	94
71) Dibromochloromethane	5.116	129	232344	41.31 ug/L	97
72) 1,3-Dichloropropane	5.169	76	415738	38.69 ug/L	98
73) 1,2-Dibromoethane	5.268	107	255424	42.11 ug/L	95
74) 3,3-dimethyl-1-butanol	5.404	57	3900547	2043.11 ug/L	99
75) 2-hexanone	5.404	43	2628079	211.80 ug/L	82
76) 1-Chlorohexane	5.623	91	328840m	38.42 ug/L	
77) Ethylbenzene	5.655	91	1223171	38.01 ug/L	98
78) Chlorobenzene	5.629	112	694672	36.87 ug/L	99
79) 1,1,1,2-Tetrachloroethane	5.671	131	232381	40.89 ug/L	99
80) m,p-Xylene	5.754	91	1906439	77.50 ug/L	99
81) o-Xylene	6.052	91	976958	38.17 ug/L	99
82) Styrene	6.084	104	753828	43.91 ug/L	99
83) Bromoform	6.094	173	177961	46.70 ug/L	97
84) Isopropylbenzene	6.282	105	1140284	39.37 ug/L	99
87) cis-1,4-Dichloro-2-butene	6.502	53	107446	37.71 ug/L	94
88) n-Propylbenzene	6.580	91	1271907	36.49 ug/L	99
89) Bromobenzene	6.544	156	283278	39.32 ug/L	91
90) 1,1,2,2-Tetrachloroethane	6.601	83	380169	38.23 ug/L	98
91) 1,3,5-Trimethylbenzene	6.727	105	895793	37.77 ug/L	98
92) 2-Chlorotoluene	6.685	91	770664	37.27 ug/L	98
93) trans-1,4-Dichloro-2-B...	6.732	53	117744	38.71 ug/L	93
94) 1,2,3-Trichloropropane	6.695	110	130150	37.34 ug/L	92
95) Cyclohexanone	6.721	55	99527	199.14 ug/L	97
96) 4-Chlorotoluene	6.805	91	806703	37.37 ug/L	97
97) tert-Butylbenzene	6.962	91	468855	37.14 ug/L	97
99) 1,2,4-Trimethylbenzene	7.019	105	868437	37.49 ug/L	98
100) Pentachloroethane	6.967	167	152076	44.42 ug/L	95
101) sec-Butylbenzene	7.103	105	1009940	38.15 ug/L	97
102) 4-Isopropyltoluene	7.218	119	845696	39.23 ug/L	98
103) 1,3-Dichlorobenzene	7.249	146	493179	37.92 ug/L	96
104) 1,2,3-Trimethylbenzene	7.344	105	886328	37.66 ug/L	99
105) 1,4-Dichlorobenzene	7.317	146	518784	36.72 ug/L	97
106) n-Butylbenzene	7.532	92	346105	38.00 ug/L	95
107) Benzyl Chloride	7.495	126	131830	44.14 ug/L	96
108) 1,2-Dichlorobenzene	7.626	146	469280	39.06 ug/L	97
109) 1,2-Dibromo-3-Chloropr...	8.180	75	79318	41.25 ug/L	96
110) Hexachlorobutadiene	8.661	225	118298	46.84 ug/L	98
111) 1,2,4-Trichlorobenzene	8.661	180	262205	44.34 ug/L	92
112) Naphthalene	8.860	128	875212	42.34 ug/L	98
113) 1,2,3-Trichlorobenzene	8.985	180	246203	44.18 ug/L	90

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104194.D
Acq On : 7 Feb 2024 11:03 am
Operator : LIANAT
Sample : ICC3959-5 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 07 14:14:53 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration



Manual Integration Approval Summary

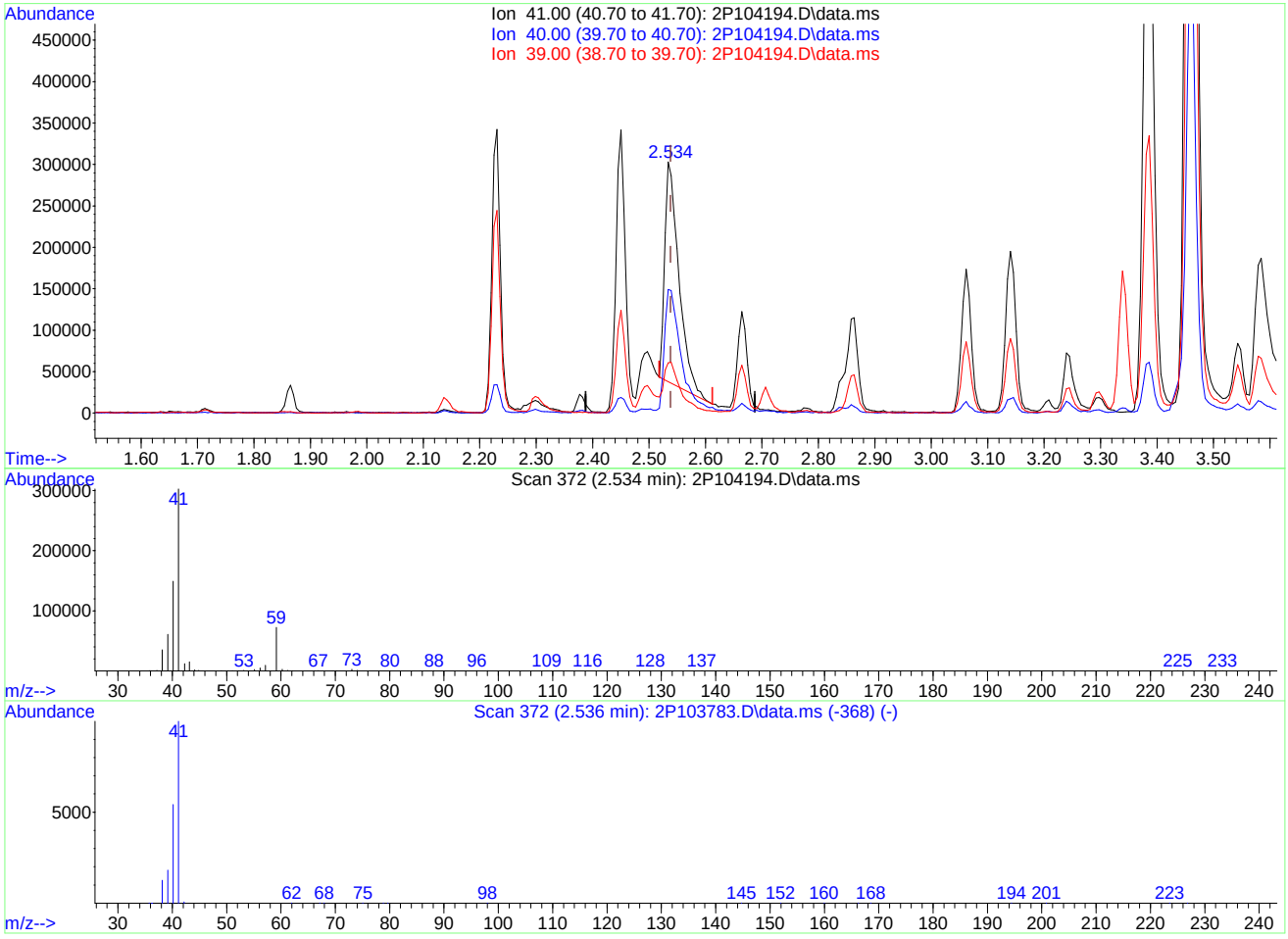
Sample Number: V2P3959-ICC3959 **Method:** SW846 8260D
Lab FileID: 2P104194.D **Analyst approved:** 02/08/24 10:16 Liana Tortrodriguez
Injection Time: 02/07/24 11:03 **Supervisor approved:** 02/08/24 11:45 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		1.96	Missed peak
Acetonitrile	75-05-8		2.53	Poor instrument integration
Carbon Tetrachloride	56-23-5		3.24	Missed peak
Isobutyl Alcohol	78-83-1		3.58	Poor instrument integration
1-Chlorohexane	544-10-5		5.62	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104194.D
Acq On : 7 Feb 2024 11:03 am
Operator : LIANAT
Sample : ICC3959-5 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 07 12:16:41 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration



TIC: 2P104194.D\data.ms

(25) Acetonitrile

2.534min (-0.004) 293.97ug/L

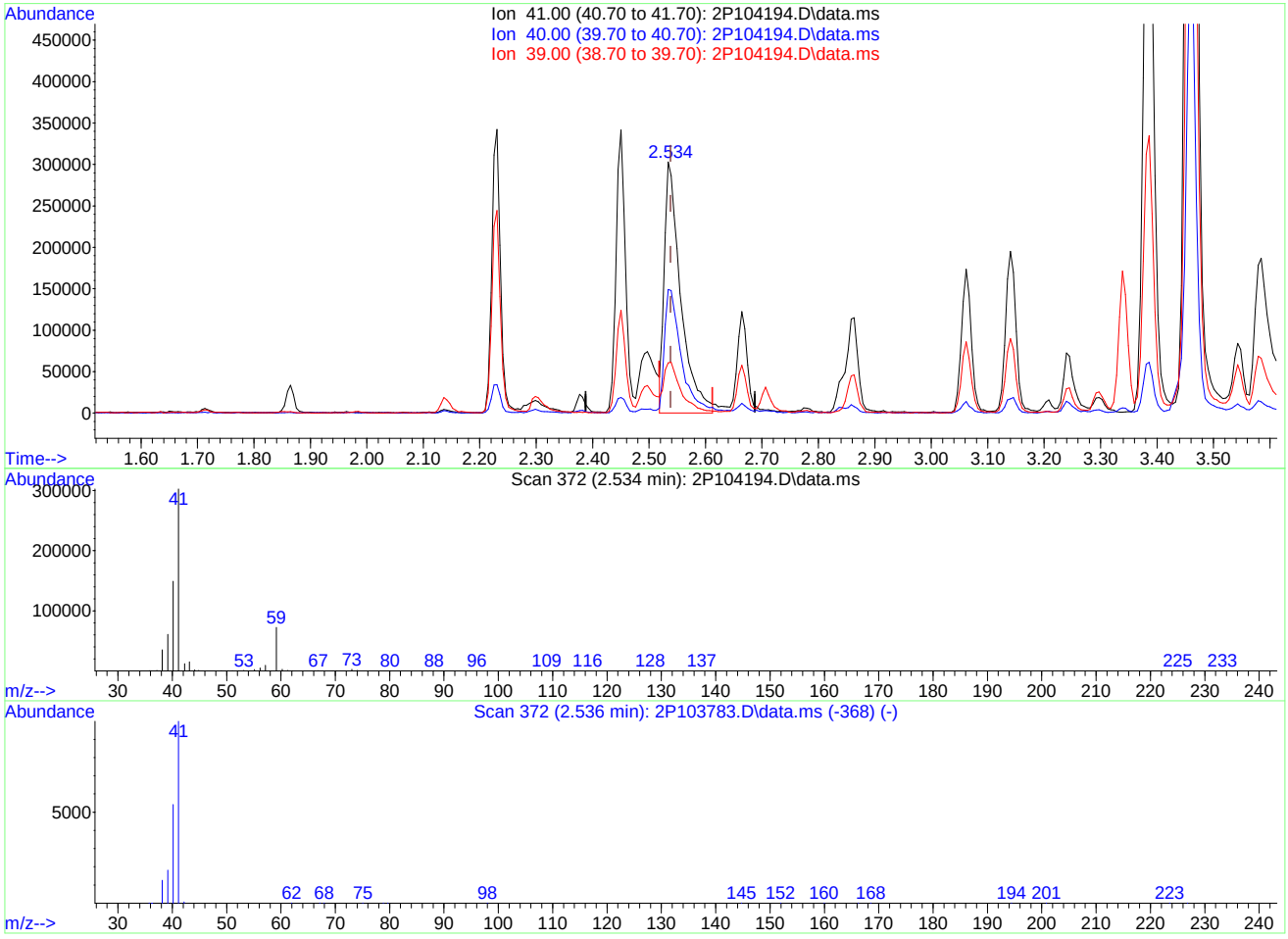
response 459768

Ion	Exp%	Act%
41.00	100	100
40.00	47.70	49.04
39.00	20.10	19.93
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104194.D
Acq On : 7 Feb 2024 11:03 am
Operator : LIANAT
Sample : ICC3959-5 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 07 12:16:41 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration



TIC: 2P104194.D\data.ms

(25) Acetonitrile

2.534min (-0.004) 390.27ug/L m

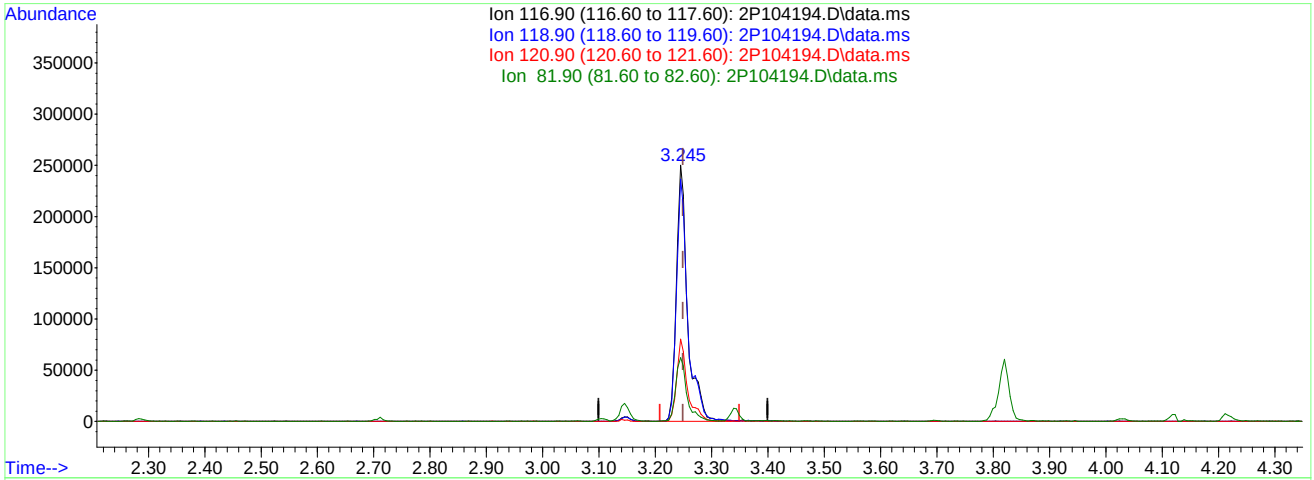
response 610847

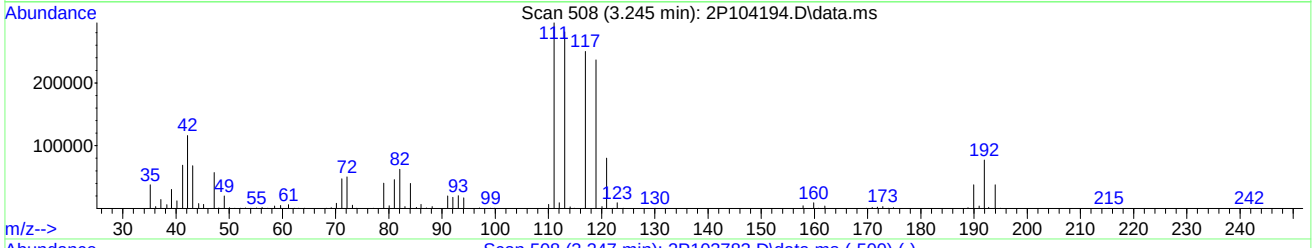
Ion	Exp%	Act%
41.00	100	100
40.00	47.70	49.28
39.00	20.10	20.05
0.00	0.00	0.00

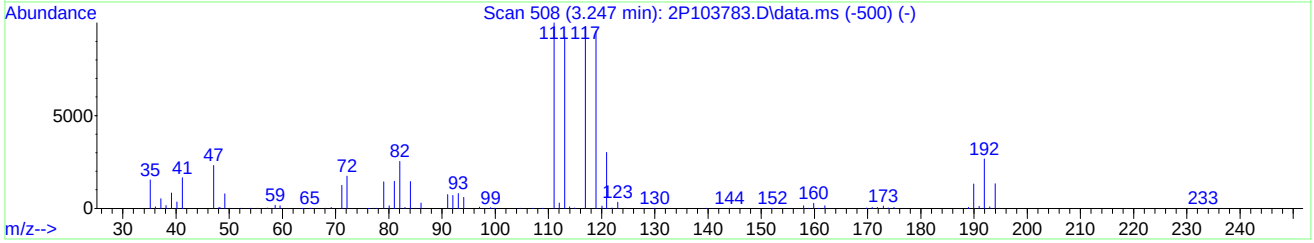
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104194.D
Acq On : 7 Feb 2024 11:03 am
Operator : LIANAT
Sample : ICC3959-5 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 07 12:16:41 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration







TIC: 2P104194.D\data.ms

(40) Carbon Tetrachloride ( )

3.245min (-0.005) 47.99ug/L

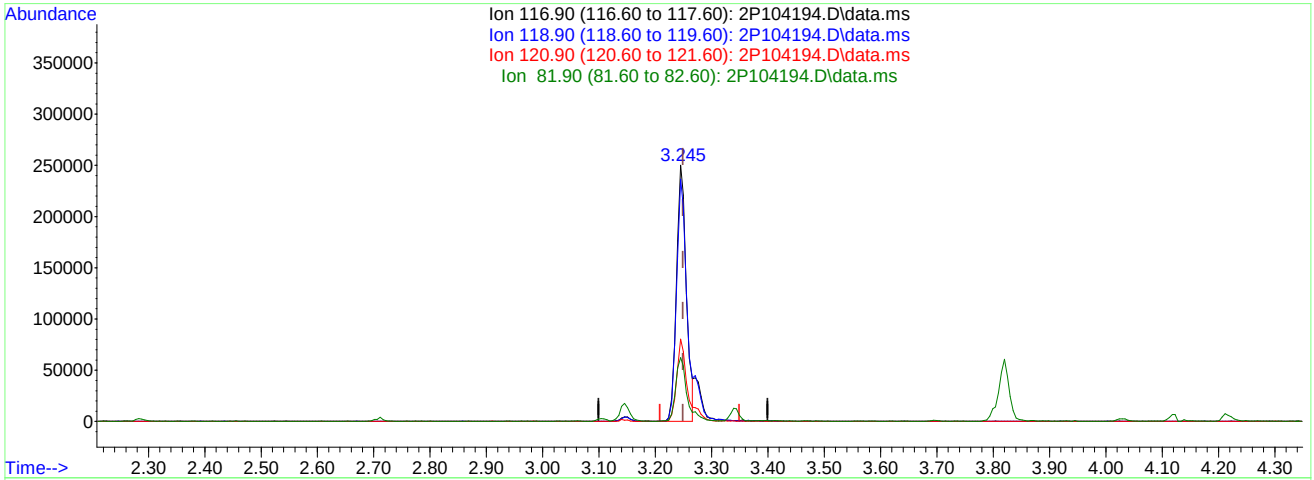
response 349879

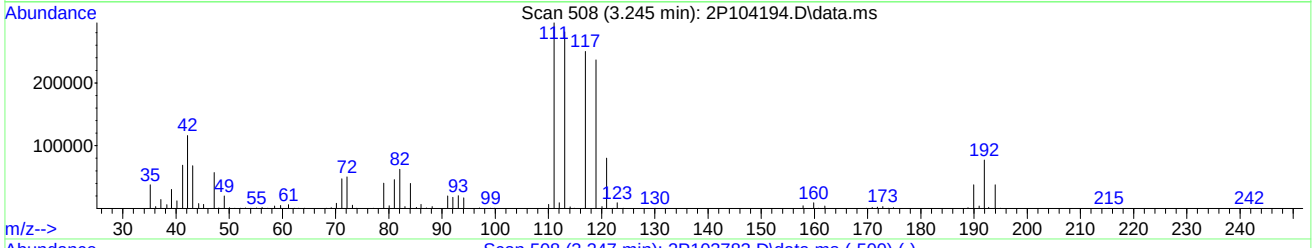
Ion	Exp%	Act%
116.90	100	100
118.90	98.50	94.49
120.90	32.80	32.09
81.90	26.00	24.77

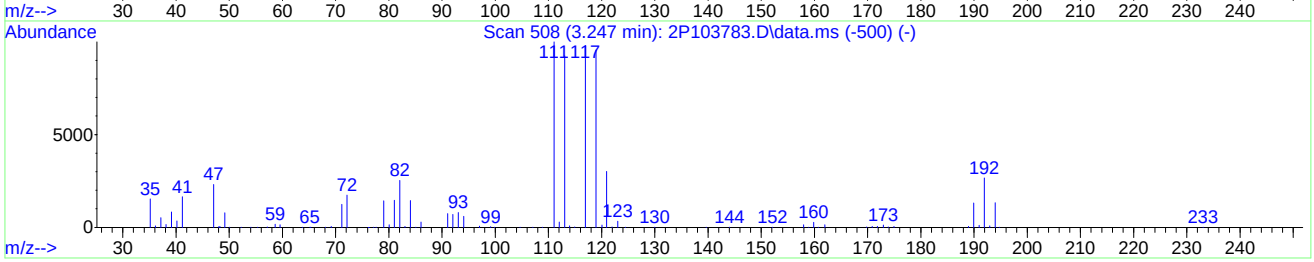
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104194.D
Acq On : 7 Feb 2024 11:03 am
Operator : LIANAT
Sample : ICC3959-5 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 07 12:16:41 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration







TIC: 2P104194.D\data.ms

(40) Carbon Tetrachloride ( )

3.245min (-0.005) 42.04ug/L m

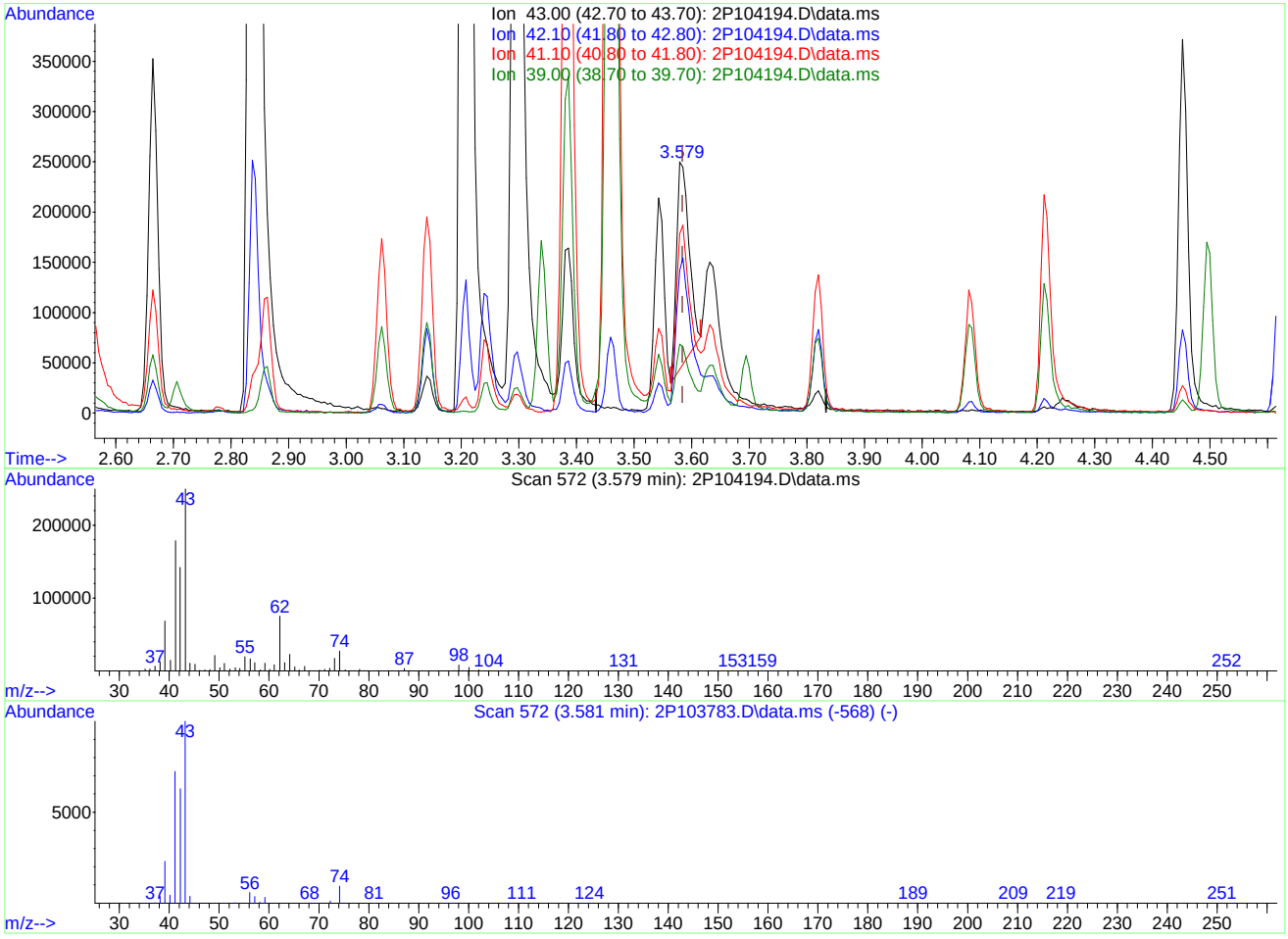
response 306464

Ion	Exp%	Act%
116.90	100	100
118.90	98.50	94.60
120.90	32.80	32.09
81.90	26.00	24.91

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104194.D
Acq On : 7 Feb 2024 11:03 am
Operator : LIANAT
Sample : ICC3959-5 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 07 12:16:41 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration



TIC: 2P104194.D\data.ms

(50) Isobutyl alcohol

3.579min (-0.005) 557.85ug/L

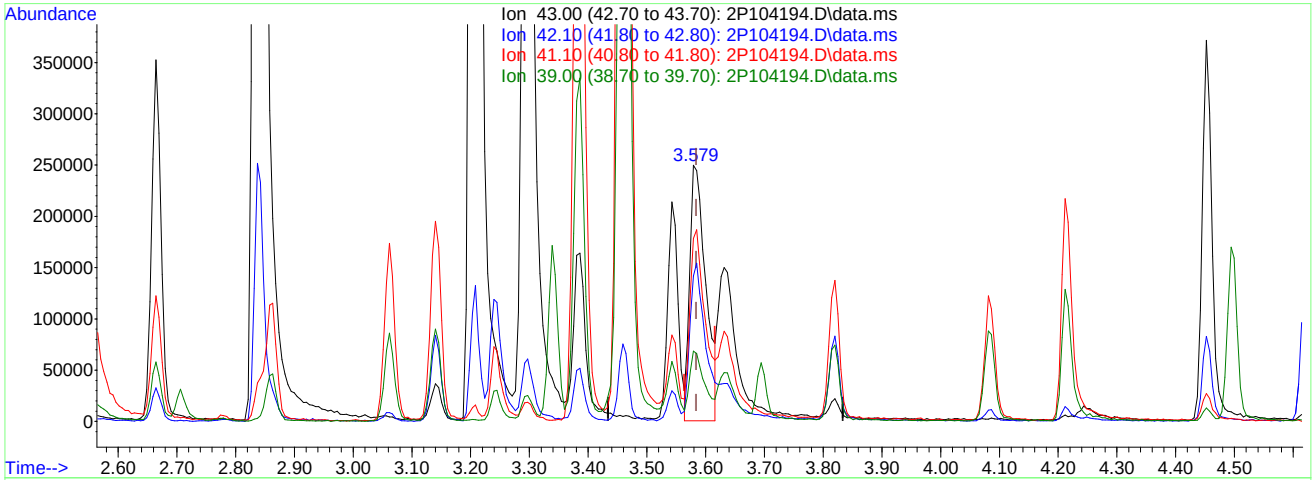
response 308570

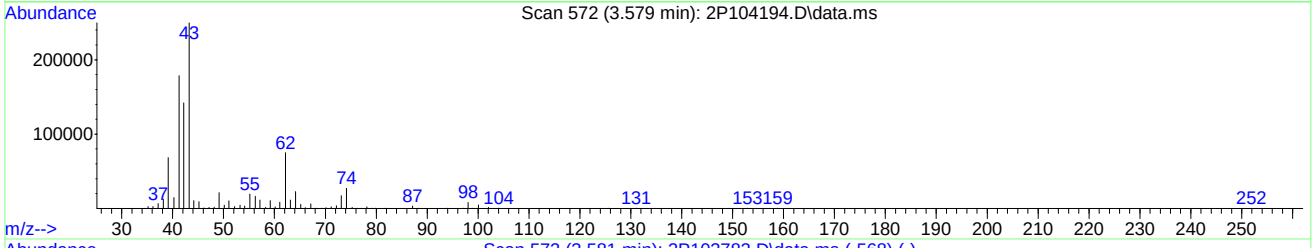
Ion	Exp%	Act%
43.00	100	100
42.10	61.30	60.10
41.10	74.10	71.28
39.00	25.90	26.47

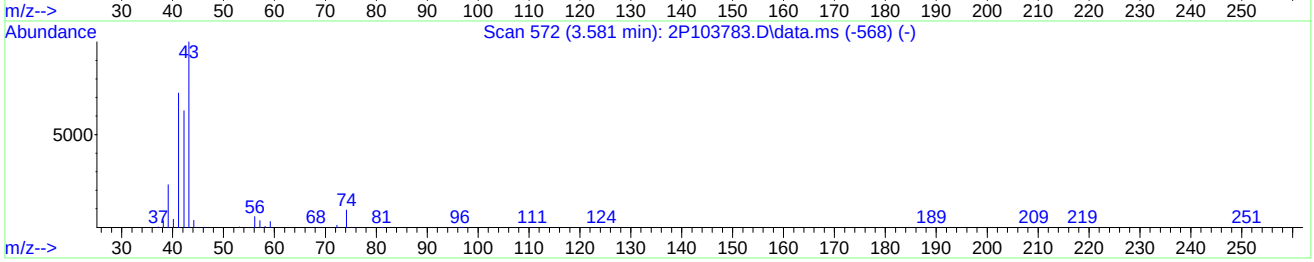
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104194.D
Acq On : 7 Feb 2024 11:03 am
Operator : LIANAT
Sample : ICC3959-5 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 07 12:16:41 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration







TIC: 2P104194.D\data.ms

(50) Isobutyl alcohol

3.579min (-0.005) 851.34ug/L m

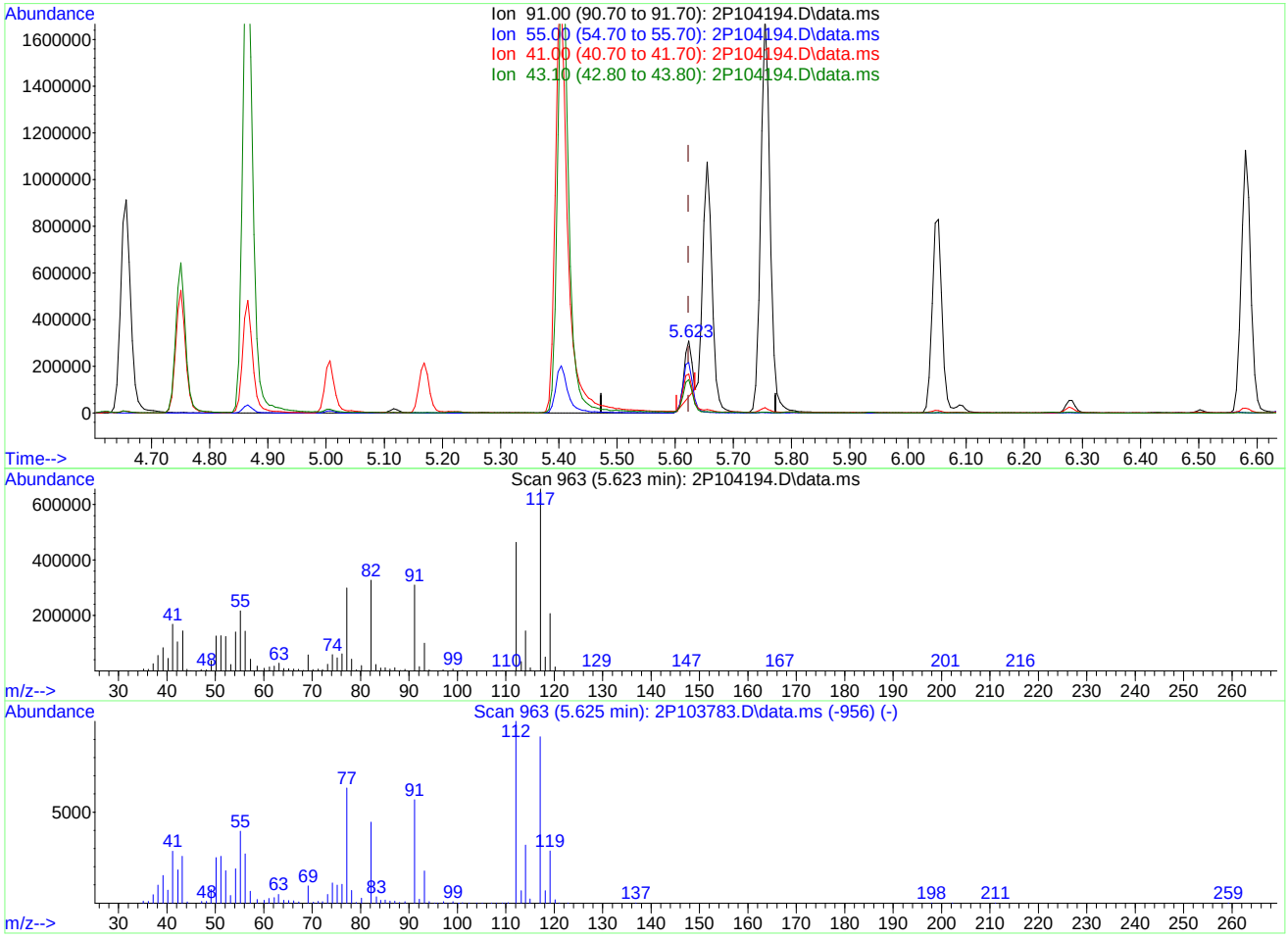
response 473275

Ion	Exp%	Act%
43.00	100	100
42.10	61.30	56.83
41.10	74.10	71.48
39.00	25.90	27.45

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104194.D
Acq On : 7 Feb 2024 11:03 am
Operator : LIANAT
Sample : ICC3959-5 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 07 12:16:41 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration



TIC: 2P104194.D\data.ms

(76) 1-Chlorohexane

5.623min (+0.001) 26.36ug/L

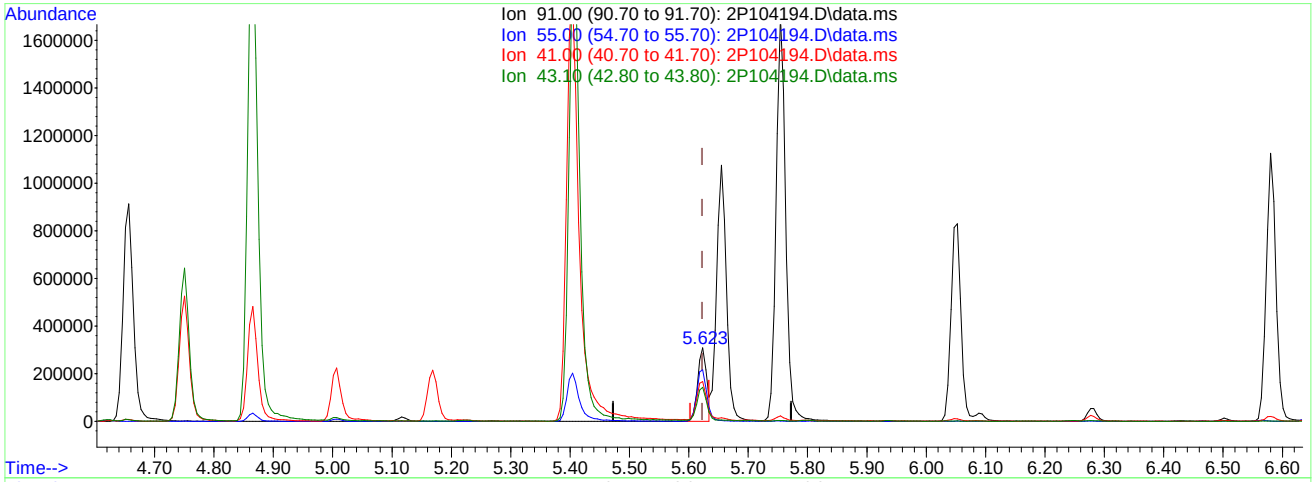
response 225616

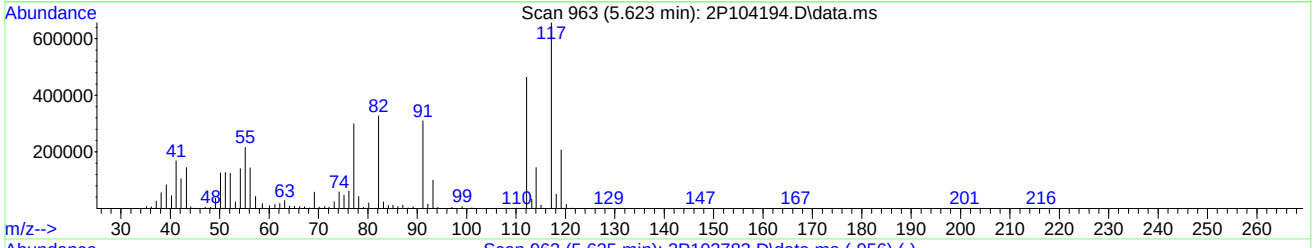
Ion	Exp%	Act%
91.00	100	100
55.00	75.40	68.63
41.00	56.40	52.55
43.10	46.70	44.53

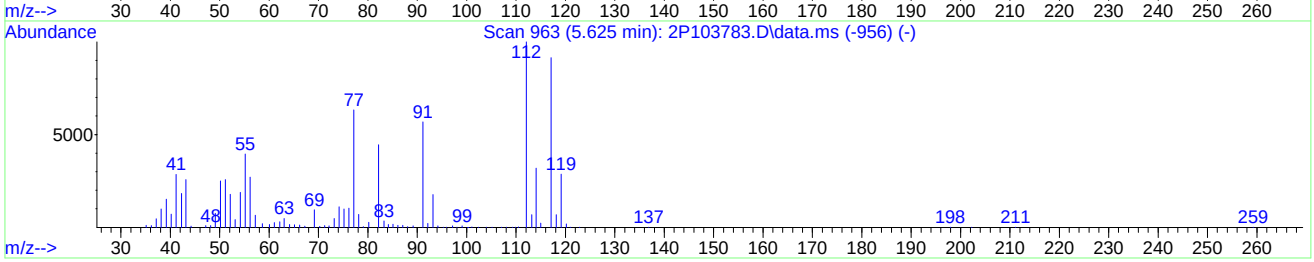
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104194.D
Acq On : 7 Feb 2024 11:03 am
Operator : LIANAT
Sample : ICC3959-5 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 07 12:16:41 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration







TIC: 2P104194.D\data.ms

(76) 1-Chlorohexane

5.623min (+0.001) 38.42ug/L m

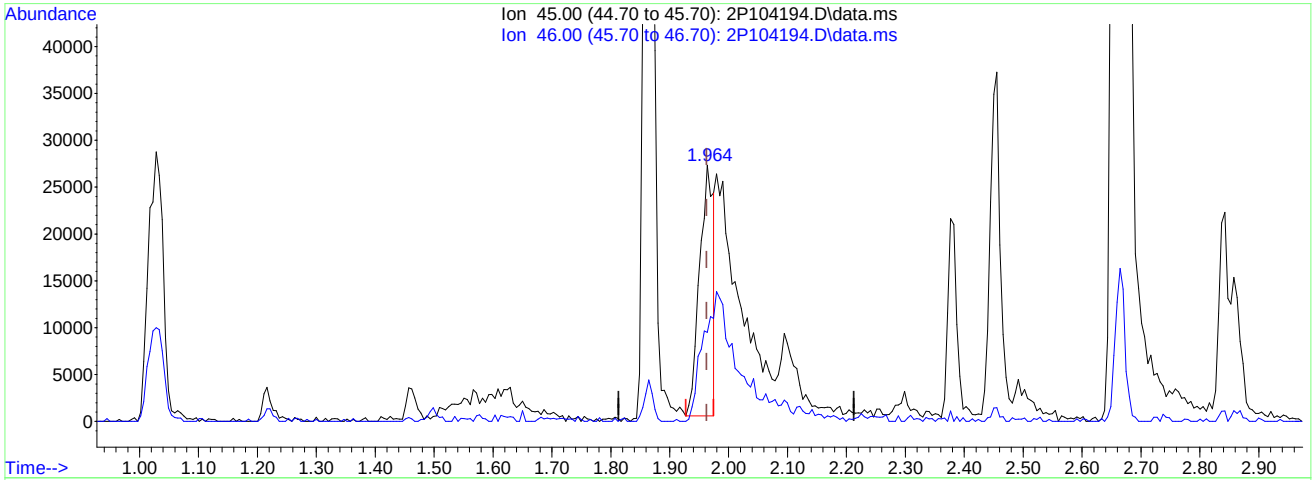
response 328840

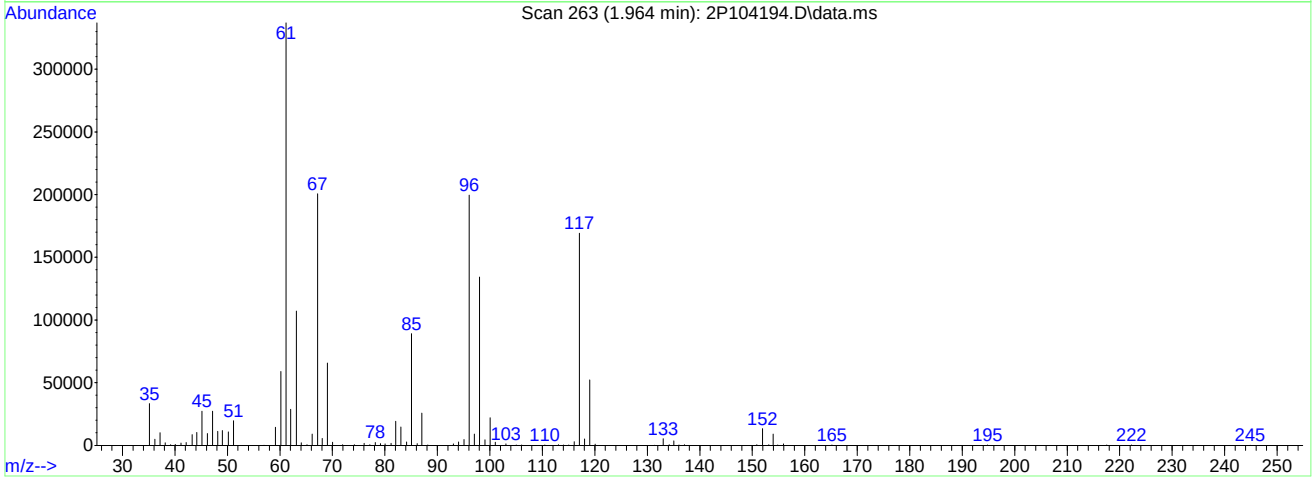
Ion	Exp%	Act%
91.00	100	100
55.00	75.40	69.83
41.00	56.40	54.24
43.10	46.70	46.42

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104194.D
Acq On : 7 Feb 2024 11:03 am
Operator : LIANAT
Sample : ICC3959-5 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 07 13:26:34 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration





TIC: 2P104194.D\data.ms

(10) Ethanol

1.964min (+0.001) 263.75ug/L

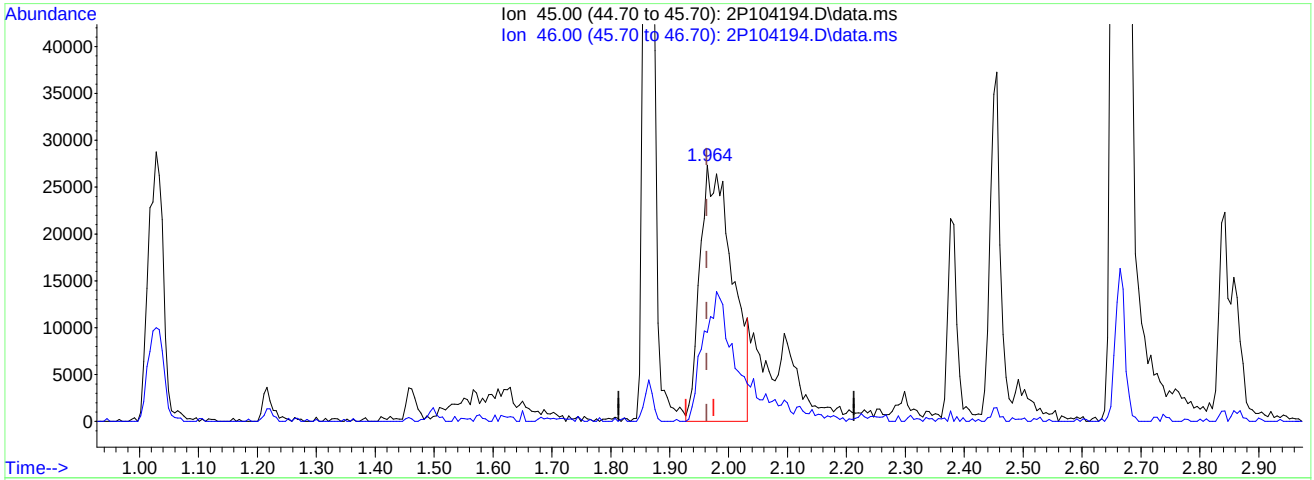
response 43580

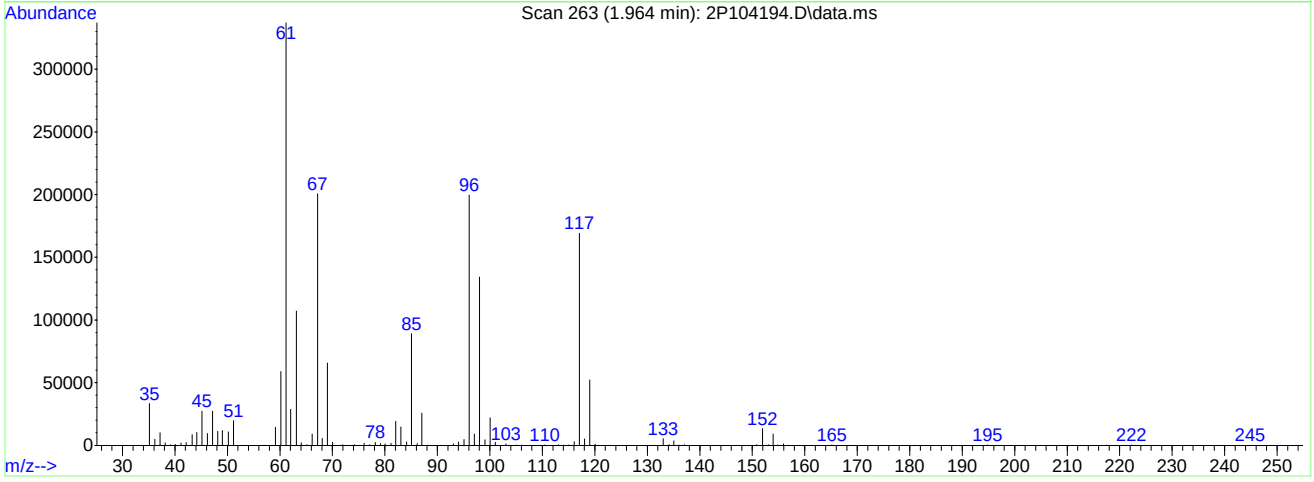
Ion	Exp%	Act%
45.00	100	100
46.00	38.40	35.60
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104194.D
Acq On : 7 Feb 2024 11:03 am
Operator : LIANAT
Sample : ICC3959-5 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 07 13:26:34 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration





TIC: 2P104194.D\data.ms

(10) Ethanol

1.964min (+0.001) 689.33ug/L m

response 104968

Ion	Exp%	Act%
45.00	100	100
46.00	38.40	34.81
0.00	0.00	0.00
0.00	0.00	0.00

2P104195.D

Manual Integrations APPROVED (compounds with "m" flag)

Karen Watson 02/08/24 11:45

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104195.D
Acq On : 7 Feb 2024 11:29 am
Operator : LIANAT
Sample : IC3959-6 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 07 13:27:48 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	3.697	96	1689237	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.616	117	1172691	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.304	152	599560	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.242	113	368789	51.92	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 103.84%			
49) 1,2-Dichloroethane-d4	3.524	65	460255	51.29	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 102.58%			
63) Toluene-d8	4.622	98	1627045	47.60	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 95.20%			
86) 4-Bromofluorobenzene	6.468	174	510824	51.78	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 103.56%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.114	85	422886	114.76	ug/L	99
3) Chloromethane	1.235	50	469478	94.99	ug/L	97
4) 1,3-butadiene	1.308	39	576778	78.38	ug/L	97
5) Vinyl Chloride	1.292	62	522096	88.14	ug/L	99
6) Bromomethane	1.496	94	255589	92.80	ug/L	98
7) Chloroethane	1.569	64	146917	73.47	ug/L	96
8) Trichlorofluoromethane	1.653	101	342448	43.17	ug/L	92
9) Ethyl Ether	1.862	59	464672	71.41	ug/L	96
10) Ethanol	1.998	45	187998	1344.81	ug/L	91
11) 1,2-Dichlorotrifluoroe...	1.956	67	472128	68.68	ug/L	98
12) 1,1-Dichloroethene	1.961	61	648508	71.05	ug/L	99
13) Freon 113	1.993	101	417762	79.76	ug/L	99
14) Carbon Disulfide	1.982	76	1243239	73.48	ug/L	98
15) Iodomethane	2.040	142	414536	86.33	ug/L	95
16) Acrolein	2.139	56	786364	379.59	ug/L	97
17) Allyl chloride	2.228	41	650379	72.55	ug/L	96
18) Methylene Chloride	2.280	49	561071	69.37	ug/L	98
19) Acetone	2.301	43	1271451	327.79	ug/L	99
20) Methyl acetate	2.380	43	3202485	333.56	ug/L	99
21) trans-1,2-Dichloroethene	2.380	61	633059	68.12	ug/L	92
22) Hexane	2.447	56	368347	74.87	ug/L	90
23) Methyl Tert Butyl Ether	2.453	73	1526427	70.94	ug/L	84
24) Tert Butyl Alcohol	2.500	59	1472231	643.27	ug/L	98
25) Acetonitrile	2.536	41	1177224m	710.07	ug/L	
26) Di-isopropyl ether	2.667	45	1587487	72.16	ug/L	98
27) Chloroprene	2.709	53	2339554	75.92	ug/L	99
28) 1,1-Dichloroethane	2.709	63	875073	69.59	ug/L	97
29) Acrylonitrile	2.709	52	1504401	371.70	ug/L	93
30) ETBE	2.861	59	1607770	73.56	ug/L	99
31) Vinyl acetate	2.840	43	6742229	445.56	ug/L	99
32) cis-1,2-Dichloroethene	2.996	96	492261	67.06	ug/L	94
33) 2,2-Dichloropropane	3.059	77	654913	73.88	ug/L	99
34) Bromochloromethane	3.106	128	223881	70.31	ug/L	98
35) Cyclohexane	3.138	56	833212	75.48	ug/L	97
36) Chloroform	3.143	83	832502	69.93	ug/L	99
37) Ethyl acetate	3.206	43	4307868	405.79	ug/L	99
38) Tetrahydrofuran	3.242	42	307603	70.10	ug/L	94
40) Carbon Tetrachloride	3.242	117	590077m	76.61	ug/L	
41) 1,1,1-Trichloroethane	3.268	97	695576	71.78	ug/L	97
42) 2-Butanone	3.294	43	2249139	364.18	ug/L	99
43) 1,1-Dichloropropene	3.341	75	599932	69.90	ug/L	97
44) tert-Butyl formate	3.383	59	2248043	438.57	ug/L	96
45) Propionitrile	3.441	54	1261236	748.12	ug/L	97
46) Methacrylonitrile	3.462	41	4789238	752.69	ug/L	99
47) Benzene	3.472	78	1990781	68.16	ug/L	96
48) TAME	3.545	73	1471817	72.09	ug/L	98
50) Isobutyl alcohol	3.592	43	840428m	1417.24	ug/L	
51) 1,2-Dichloroethane	3.566	62	653131	68.72	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104195.D
Acq On : 7 Feb 2024 11:29 am
Operator : LIANAT
Sample : IC3959-6 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 07 13:27:48 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration

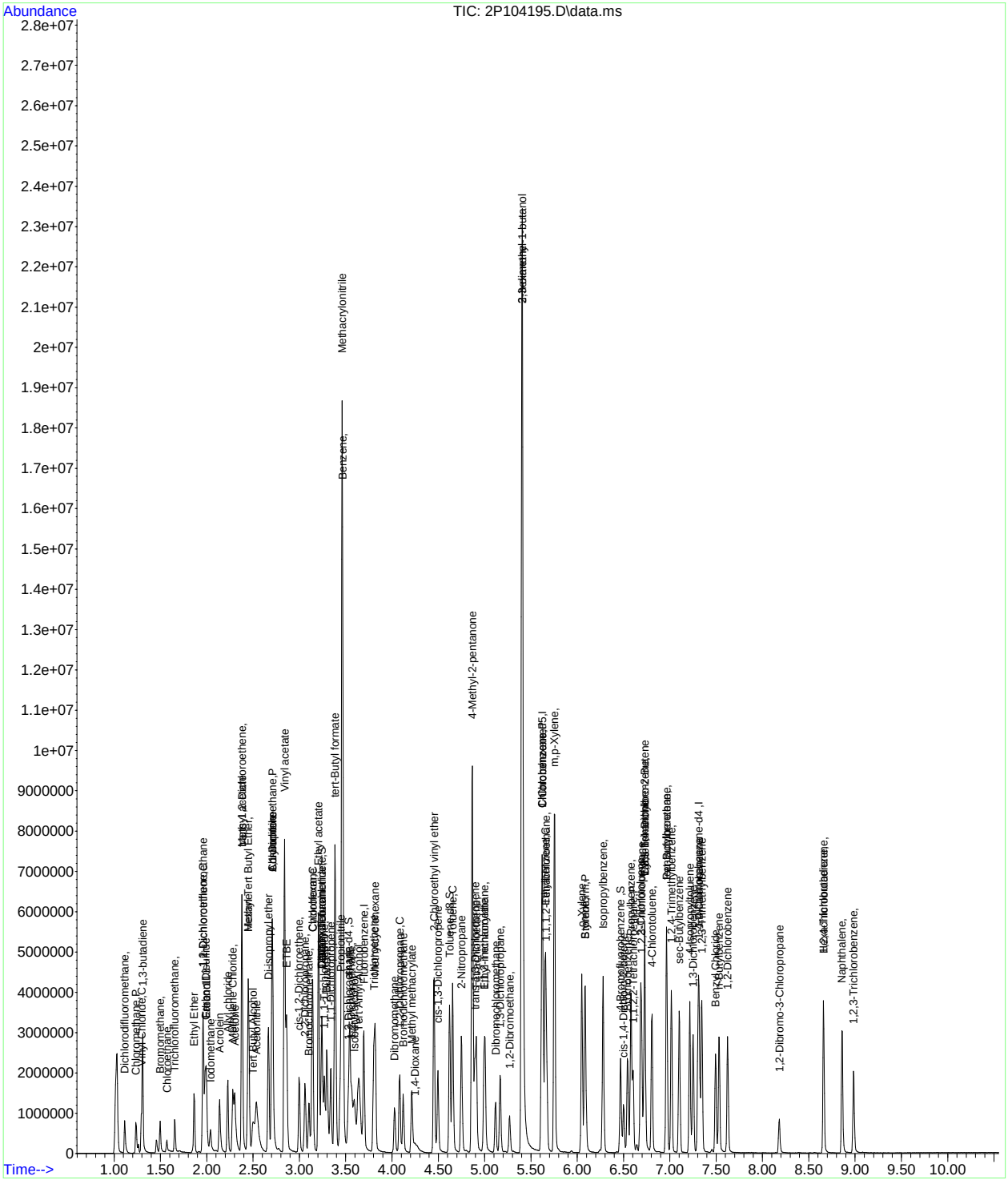
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) Tert Amyl Alcohol	3.639	59	1219322	704.47	ug/L		98
53) Trichloroethene	3.802	95	472348	66.67	ug/L		99
54) Methylcyclohexane	3.817	83	756303	76.40	ug/L		98
55) Dibromomethane	4.026	93	268662	73.56	ug/L		89
56) 1,2-Dichloropropane	4.084	63	458256	71.21	ug/L		97
57) Bromodichloromethane	4.120	83	589075	75.47	ug/L		99
58) Methyl methacrylate	4.215	41	542204	75.58	ug/L		96
59) 1,4-Dioxane	4.251	88	222345	1421.12	ug/L		91
60) 2-Chloroethyl vinyl ether	4.455	63	1297166	365.65	ug/L		98
61) cis-1,3-Dichloropropene	4.497	75	722263	79.81	ug/L		100
64) Toluene	4.654	91	2042732	64.10	ug/L		95
65) 2-Nitropropane	4.748	41	1170988	358.28	ug/L		96
66) 4-Methyl-2-pentanone	4.868	43	4413363	364.98	ug/L		98
67) trans-1,3-Dichloropropene	4.894	75	696195	73.48	ug/L		99
68) Tetrachloroethene	4.910	166	541167	73.47	ug/L		98
69) Ethyl methacrylate	5.004	69	716249	73.01	ug/L		97
70) 1,1,2-Trichloroethane	4.994	83	367804	66.20	ug/L		94
71) Dibromochloromethane	5.119	129	429104	73.48	ug/L		96
72) 1,3-Dichloropropane	5.171	76	760069	68.14	ug/L		93
73) 1,2-Dibromoethane	5.271	107	465683	73.96	ug/L		95
74) 3,3-dimethyl-1-butanol	5.407	57	7443192	3734.18	ug/L		99
75) 2-hexanone	5.407	43	4743540	358.31	ug/L		81
76) 1-Chlorohexane	5.621	91	637499m	71.75	ug/L		
77) Ethylbenzene	5.652	91	2237069	66.97	ug/L		98
78) Chlorobenzene	5.626	112	1279116	65.39	ug/L		97
79) 1,1,1,2-Tetrachloroethane	5.668	131	425083	72.04	ug/L		98
80) m,p-Xylene	5.752	91	3557747	139.32	ug/L		99
81) o-Xylene	6.050	91	1769454	66.60	ug/L		99
82) Styrene	6.081	104	1422646	79.83	ug/L		98
83) Bromoform	6.091	173	339723	85.88	ug/L		98
84) Isopropylbenzene	6.280	105	2107552	70.08	ug/L		99
87) cis-1,4-Dichloro-2-butene	6.499	53	190888	63.39	ug/L	#	90
88) n-Propylbenzene	6.583	91	2375425	64.48	ug/L		99
89) Bromobenzene	6.546	156	505182	66.35	ug/L		95
90) 1,1,2,2-Tetrachloroethane	6.604	83	666494	63.43	ug/L		97
91) 1,3,5-Trimethylbenzene	6.729	105	1646560	65.70	ug/L		98
92) 2-Chlorotoluene	6.687	91	1410665	64.56	ug/L		97
93) trans-1,4-Dichloro-2-B...	6.729	53	235649	66.57	ug/L		96
94) 1,2,3-Trichloropropane	6.698	110	228197	61.96	ug/L		96
95) Cyclohexanone	6.724	55	192386	364.28	ug/L		96
96) 4-Chlorotoluene	6.808	91	1487623	65.22	ug/L		99
97) tert-Butylbenzene	6.964	91	879452	65.93	ug/L		99
99) 1,2,4-Trimethylbenzene	7.017	105	1589287	64.93	ug/L		98
100) Pentachloroethane	6.970	167	279128	77.16	ug/L	#	68
101) sec-Butylbenzene	7.100	105	1836494	65.65	ug/L		99
102) 4-Isopropyltoluene	7.215	119	1545167	67.83	ug/L		100
103) 1,3-Dichlorobenzene	7.252	146	903885	65.76	ug/L		98
104) 1,2,3-Trimethylbenzene	7.346	105	1630209	65.55	ug/L		99
105) 1,4-Dichlorobenzene	7.320	146	924826	61.95	ug/L		95
106) n-Butylbenzene	7.529	92	672554	65.63	ug/L		96
107) Benzyl Chloride	7.493	126	256600	73.28	ug/L		98
108) 1,2-Dichlorobenzene	7.623	146	838845	66.07	ug/L		99
109) 1,2-Dibromo-3-Chloropr...	8.183	75	149902	70.25	ug/L		90
110) Hexachlorobutadiene	8.664	225	218278	81.79	ug/L		92
111) 1,2,4-Trichlorobenzene	8.658	180	503766	74.69	ug/L		96
112) Naphthalene	8.862	128	1681153	71.24	ug/L		98
113) 1,2,3-Trichlorobenzene	8.988	180	467794	79.45	ug/L		91

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104195.D
Acq On : 7 Feb 2024 11:29 am
Operator : LIANAT
Sample : IC3959-6 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 07 13:27:48 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration



Manual Integration Approval Summary

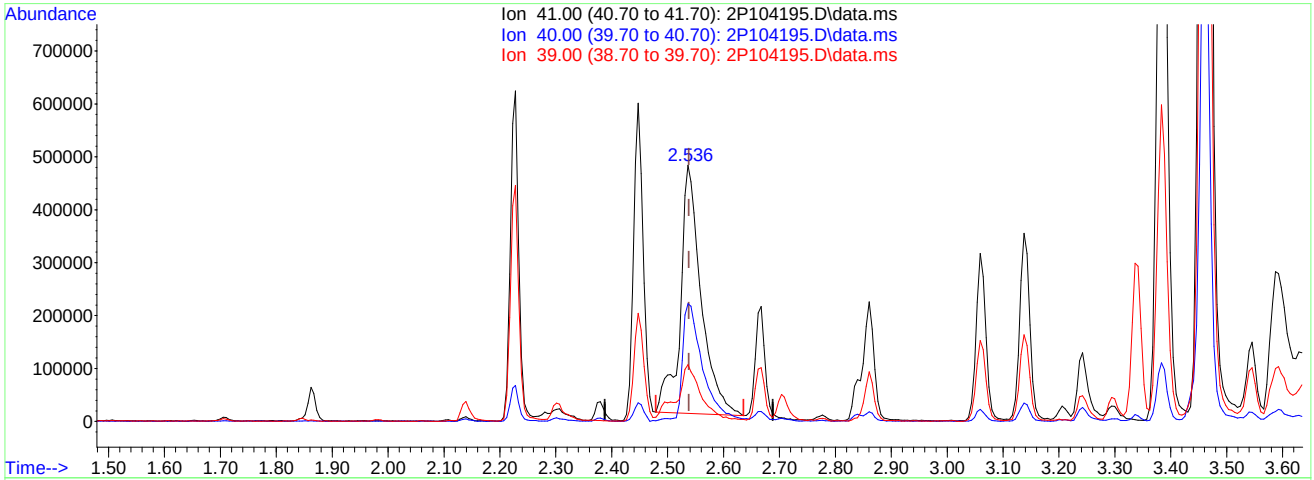
Sample Number: V2P3959-IC3959
Lab FileID: 2P104195.D
Injection Time: 02/07/24 11:29
Method: SW846 8260D
Analyst approved: 02/08/24 10:16 Liana Tortrodriguez
Supervisor approved: 02/08/24 11:45 Karen Watson

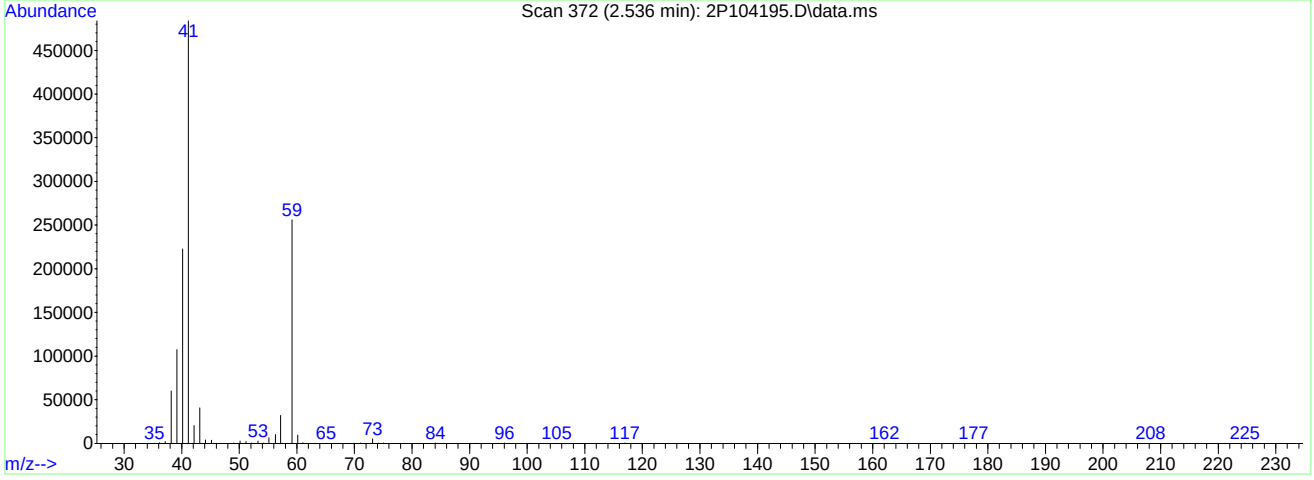
Parameter	CAS	Sig#	R.T. (min.)	Reason
Acetonitrile	75-05-8		2.54	Poor instrument integration
Carbon Tetrachloride	56-23-5		3.24	Missed peak
Isobutyl Alcohol	78-83-1		3.59	Poor instrument integration
1-Chlorohexane	544-10-5		5.62	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104195.D
Acq On : 7 Feb 2024 11:29 am
Operator : LIANAT
Sample : IC3959-6 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 07 12:16:42 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration





TIC: 2P104195.D\data.ms

(25) Acetonitrile

2.536min (-0.002) 730.71ug/L

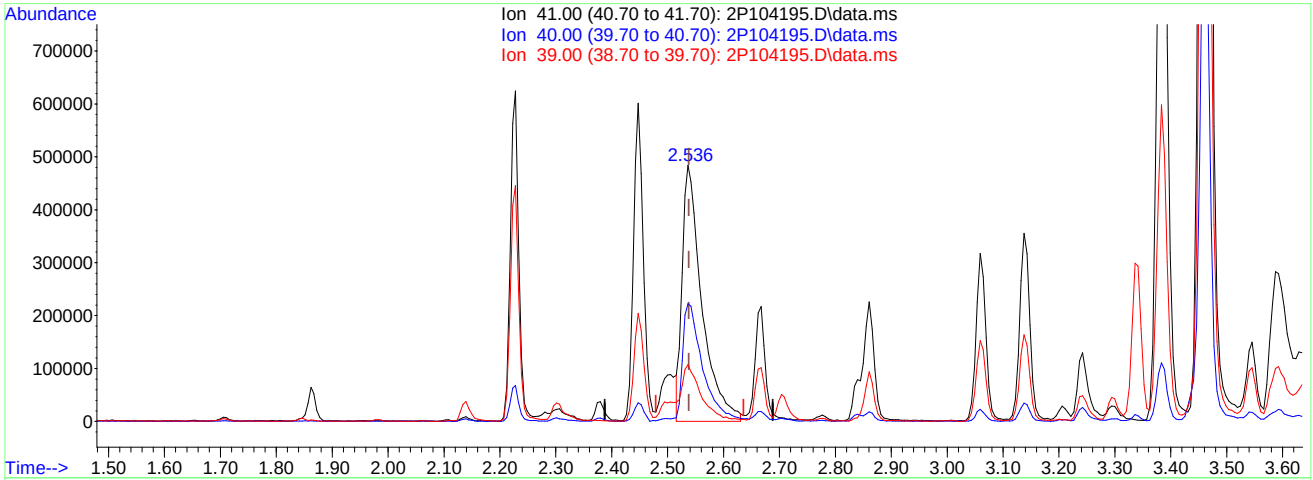
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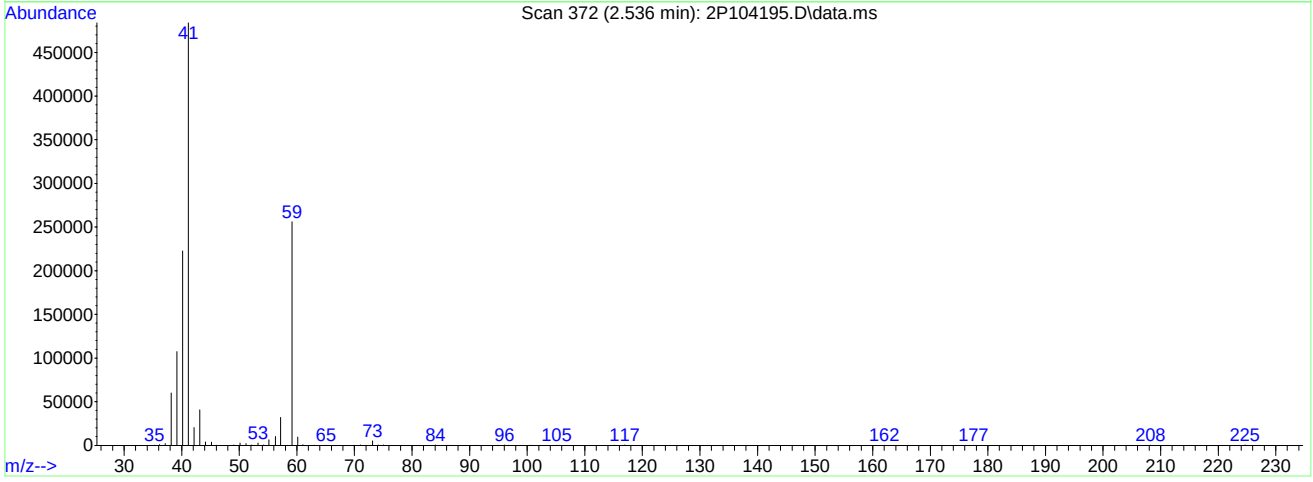
Ion	Exp%	Act%
41.00	100	100
40.00	47.70	46.85
39.00	20.10	21.90
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104195.D
Acq On : 7 Feb 2024 11:29 am
Operator : LIANAT
Sample : IC3959-6 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 07 12:16:42 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration





TIC: 2P104195.D\data.ms

(25) Acetonitrile

2.536min (-0.002) 710.07ug/L m

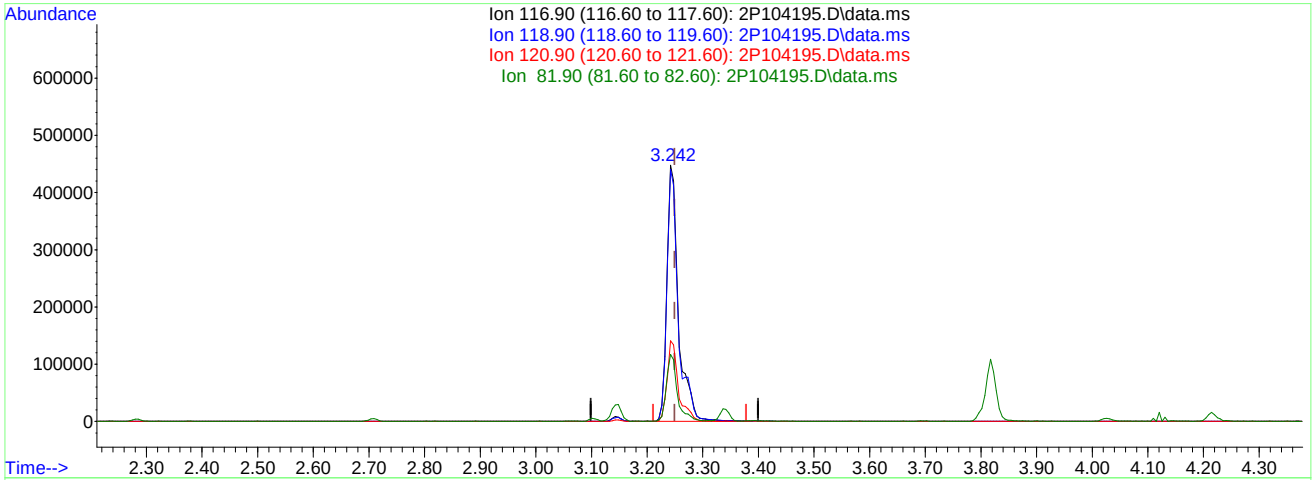
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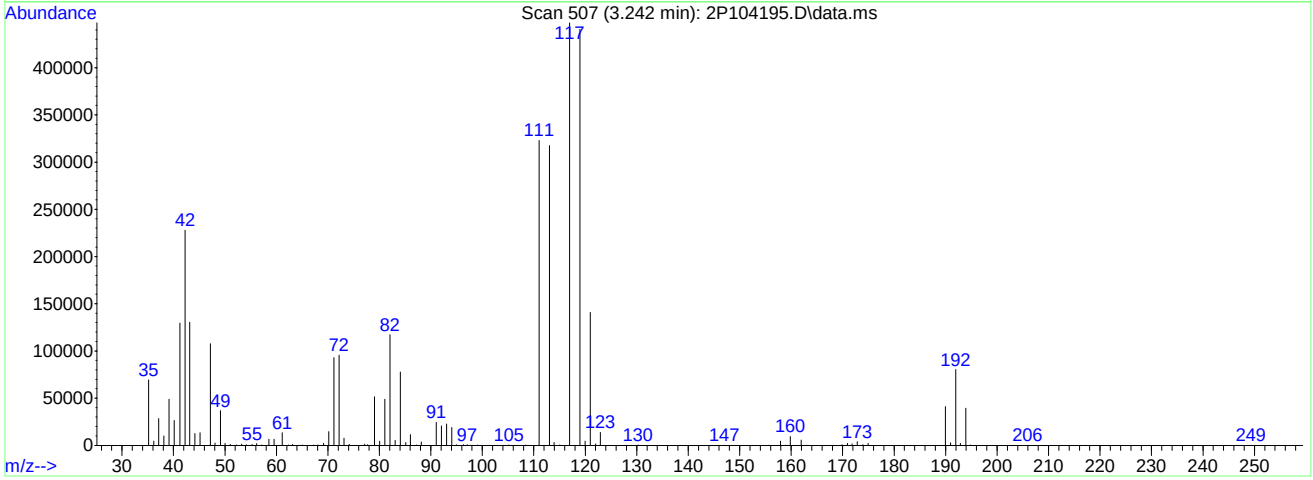
Ion	Exp%	Act%
41.00	100	100
40.00	47.70	45.99
39.00	20.10	22.20
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104195.D
Acq On : 7 Feb 2024 11:29 am
Operator : LIANAT
Sample : IC3959-6 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 07 12:16:42 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration





TIC: 2P104195.D\data.ms

(40) Carbon Tetrachloride ( )

3.242min (-0.007) 84.35ug/L

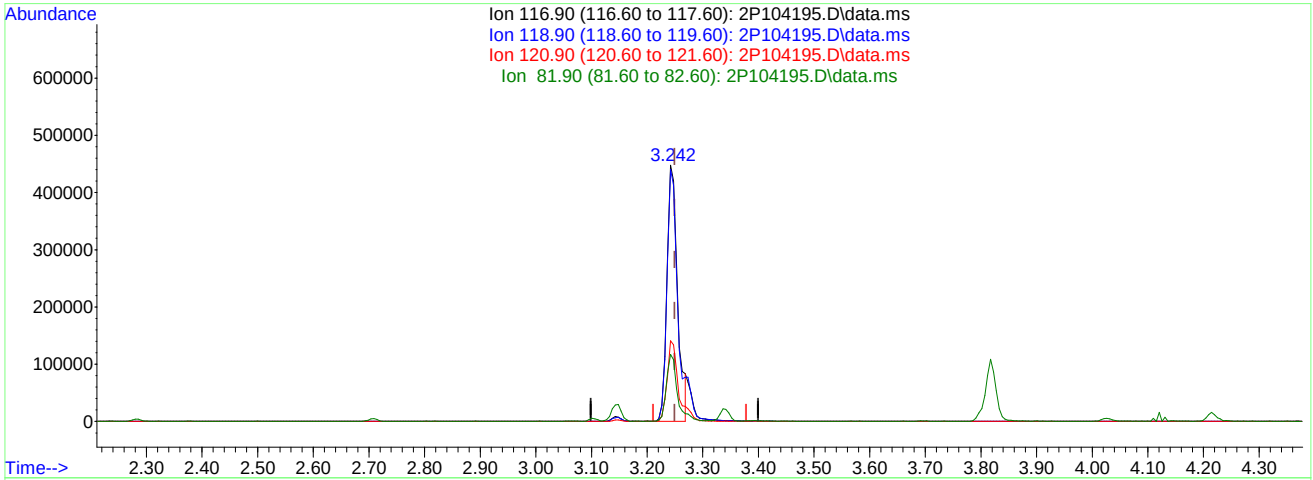
response 649712

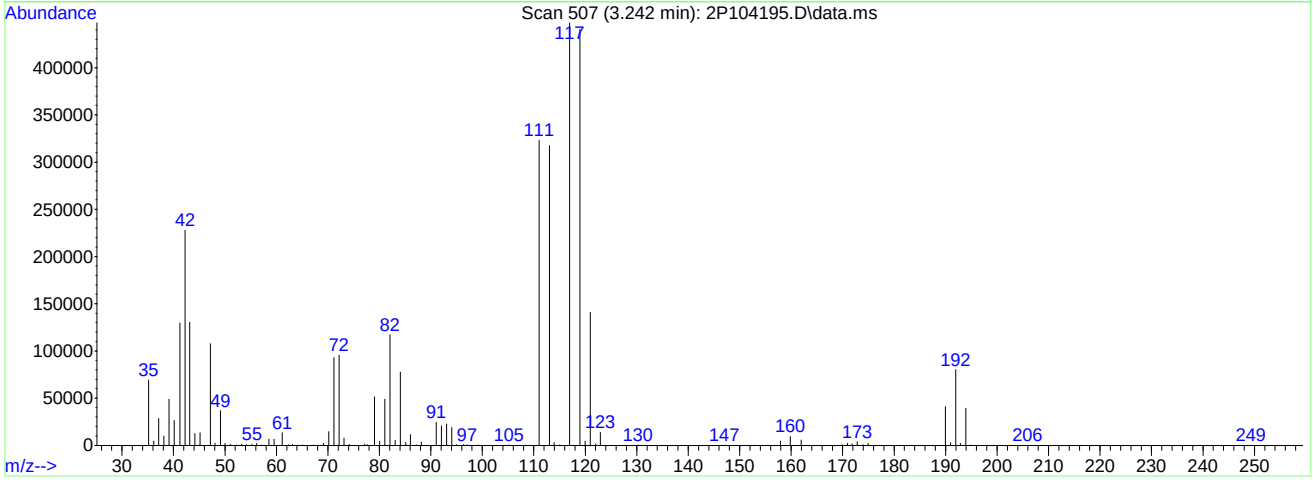
Ion	Exp%	Act%
116.90	100	100
118.90	98.50	98.40
120.90	32.80	31.46
81.90	26.00	26.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104195.D
Acq On : 7 Feb 2024 11:29 am
Operator : LIANAT
Sample : IC3959-6 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 07 12:16:42 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration





TIC: 2P104195.D\data.ms

(40) Carbon Tetrachloride ( )

3.242min (-0.007) 76.61ug/L m

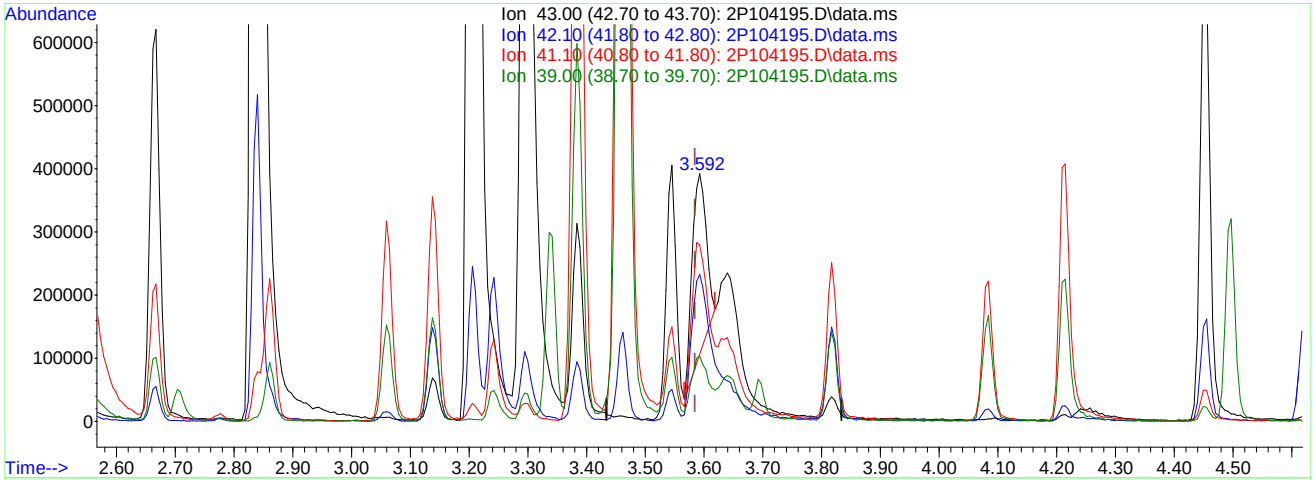
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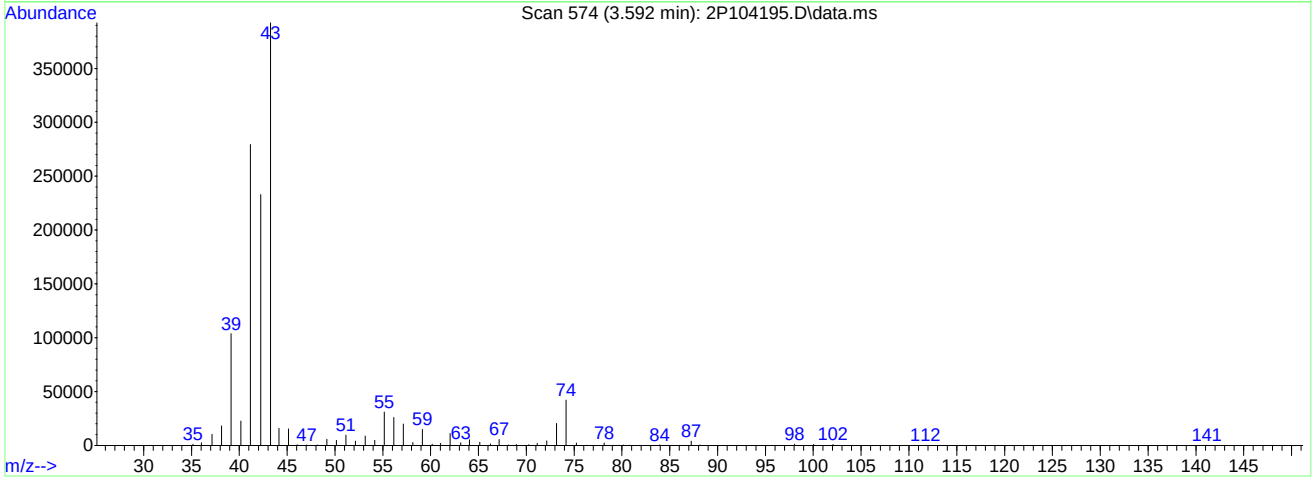
Ion	Exp%	Act%
116.90	100	100
118.90	98.50	98.40
120.90	32.80	31.46
81.90	26.00	26.16

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104195.D
Acq On : 7 Feb 2024 11:29 am
Operator : LIANAT
Sample : IC3959-6 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 07 12:16:42 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration





TIC: 2P104195.D\data.ms

(50) Isobutyl alcohol

3.592min (+0.008) 848.72ug/L

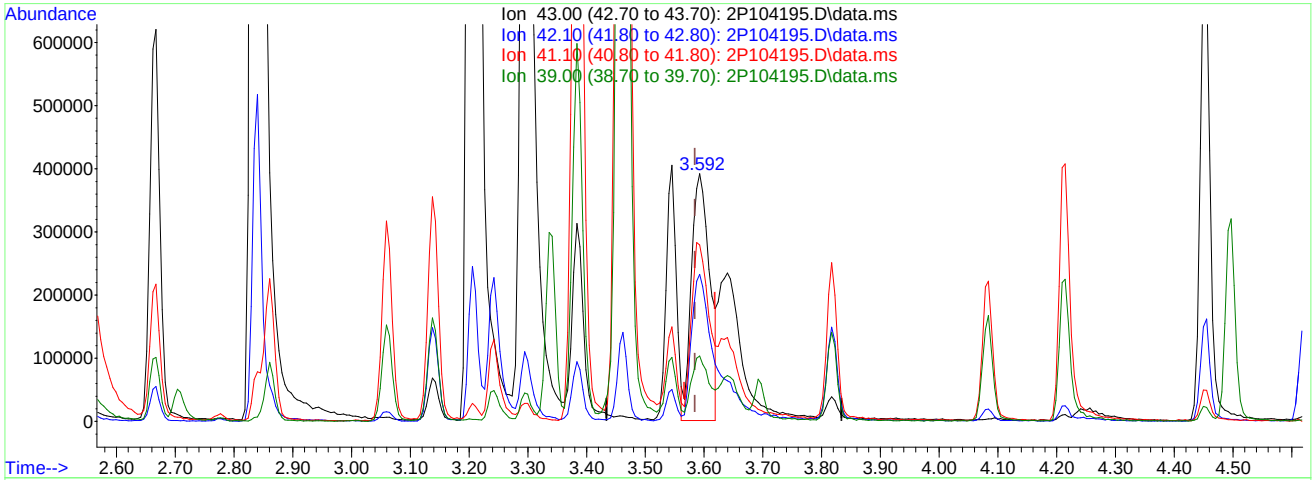
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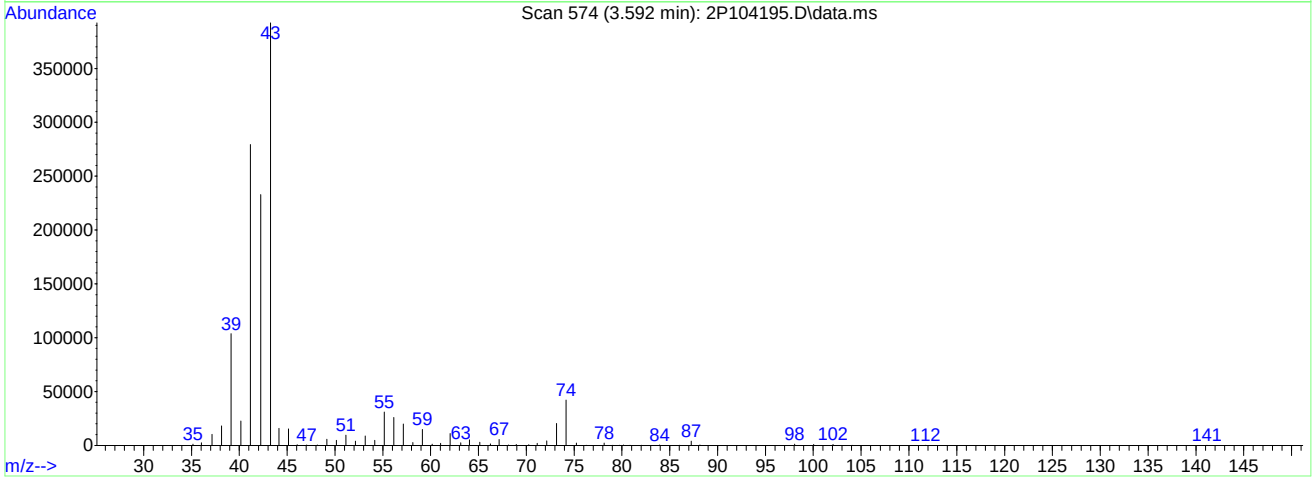
Ion	Exp%	Act%
43.00	100	100
42.10	61.30	62.26
41.10	74.10	71.61
39.00	25.90	25.03

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104195.D
Acq On : 7 Feb 2024 11:29 am
Operator : LIANAT
Sample : IC3959-6 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 07 12:16:42 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration





TIC: 2P104195.D\data.ms

(50) Isobutyl alcohol

3.592min (+0.008) 1417.24ug/L m

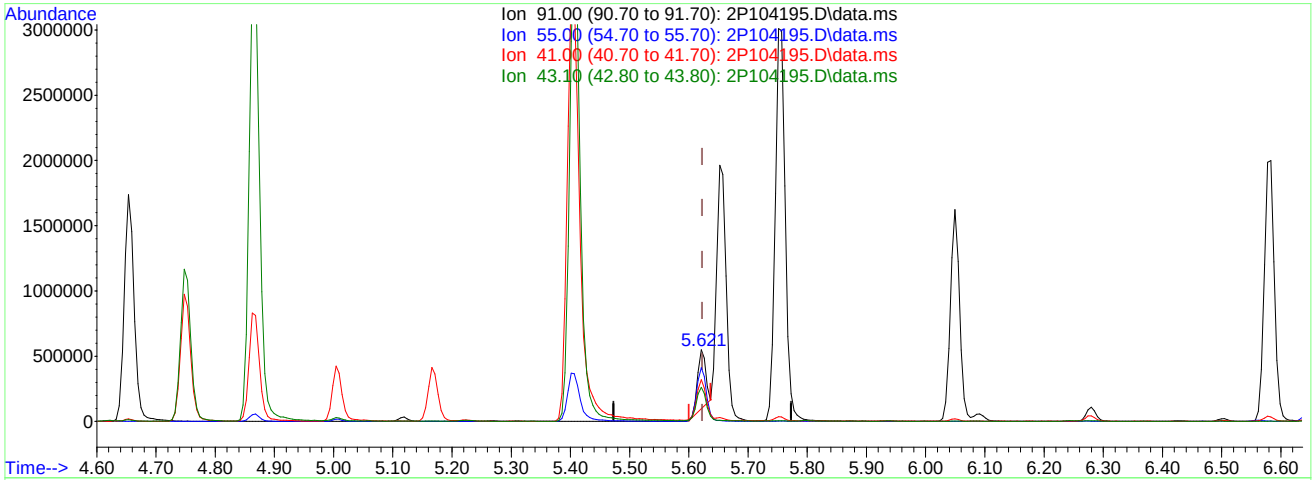
response 840428

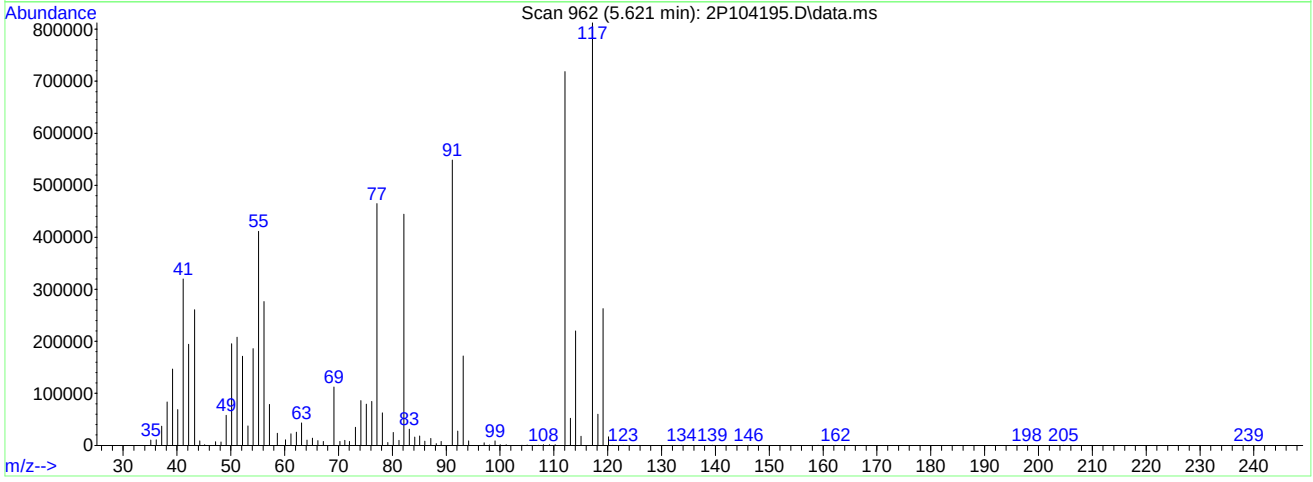
Ion	Exp%	Act%
43.00	100	100
42.10	61.30	59.34
41.10	74.10	71.17
39.00	25.90	26.45

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104195.D
Acq On : 7 Feb 2024 11:29 am
Operator : LIANAT
Sample : IC3959-6 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 07 12:16:42 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration





TIC: 2P104195.D\data.ms

(76) 1-Chlorohexane

5.621min (-0.002) 50.61ug/L

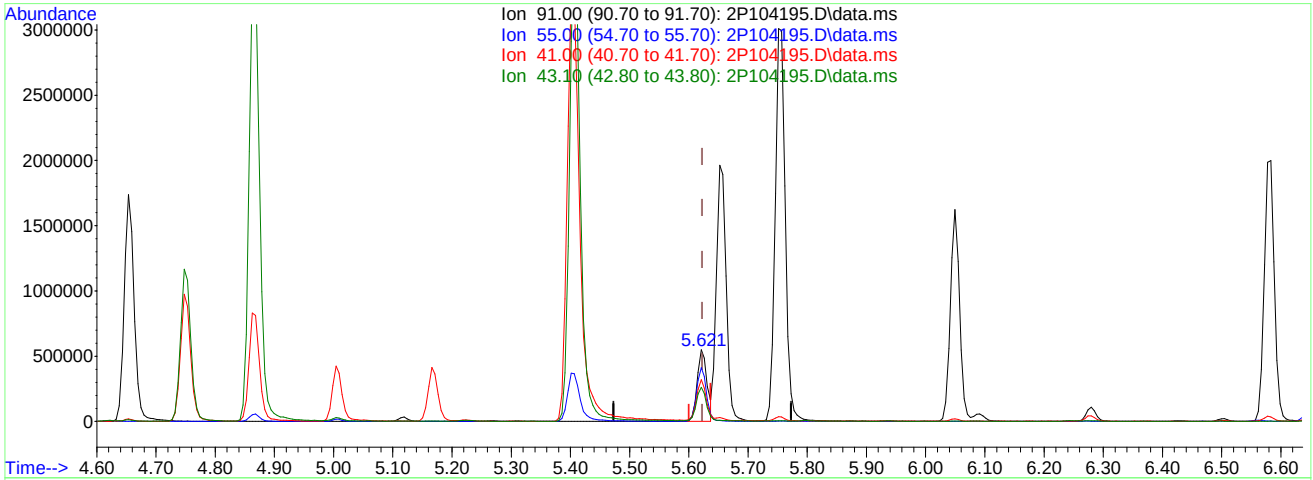
response 449634

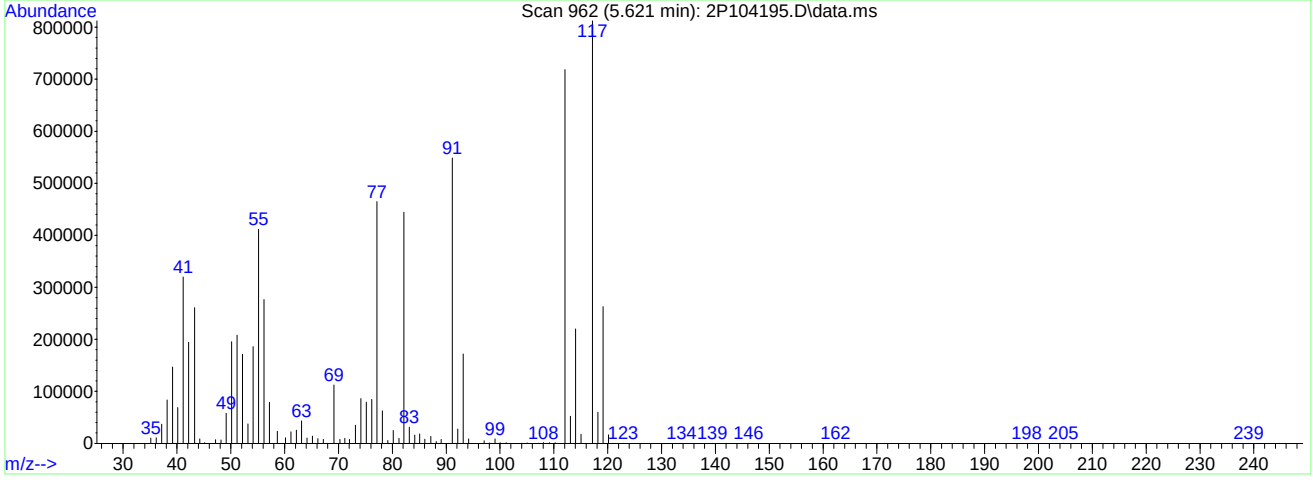
Ion	Exp%	Act%
91.00	100	100
55.00	75.40	74.53
41.00	56.40	56.25
43.10	46.70	46.45

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104195.D
Acq On : 7 Feb 2024 11:29 am
Operator : LIANAT
Sample : IC3959-6 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 07 12:16:42 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration





TIC: 2P104195.D\data.ms

(76) 1-Chlorohexane

5.621min (-0.002) 71.75ug/L m

response 637499

Ion	Exp%	Act%
91.00	100	100
55.00	75.40	74.97
41.00	56.40	58.28
43.10	46.70	47.59

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
02/08/24 11:45

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104196.D
Acq On : 7 Feb 2024 11:55 am
Operator : LIANAT
Sample : IC3959-7 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 07 14:23:06 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	3.694	96	1773140	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.618	117	1248709	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.306	152	610370	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.244	113	387950	52.03	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 104.06%			
49) 1,2-Dichloroethane-d4	3.527	65	479680	50.93	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 101.86%			
63) Toluene-d8	4.624	98	1720380	47.26	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 94.52%			
86) 4-Bromofluorobenzene	6.470	174	533512	53.12	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 106.24%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.117	85	620210	160.26	ug/L	98
3) Chloromethane	1.237	50	679272	135.24	ug/L	98
4) 1,3-butadiene	1.310	39	898464	116.32	ug/L	93
5) Vinyl Chloride	1.294	62	785754	126.37	ug/L	100
6) Bromomethane	1.498	94	380545	137.95	ug/L	99
7) Chloroethane	1.571	64	205837	98.07	ug/L	98
8) Trichlorofluoromethane	1.655	101	488308	74.32	ug/L	97
9) Ethyl Ether	1.864	59	736117	107.76	ug/L	98
10) Ethanol	2.005	45	132792m	804.95	ug/L	
11) 1,2-Dichlorotrifluoroe...	1.958	67	722424	100.12	ug/L	97
12) 1,1-Dichloroethene	1.958	61	1030784	107.59	ug/L	97
13) Freon 113	1.990	101	639855	116.38	ug/L	98
14) Carbon Disulfide	1.979	76	1916788	107.92	ug/L	99
15) Iodomethane	2.037	142	585202	112.26	ug/L	98
16) Acrolein	2.141	56	1164304	535.44	ug/L	98
17) Allyl chloride	2.225	41	1045685	111.12	ug/L	98
18) Methylene Chloride	2.282	49	848448	102.49	ug/L	97
19) Acetone	2.303	43	1870110	459.32	ug/L	100
20) Methyl acetate	2.382	43	5107968	506.86	ug/L	100
21) trans-1,2-Dichloroethene	2.382	61	998721	102.38	ug/L	94
22) Hexane	2.444	56	574501	111.24	ug/L #	72
23) Methyl Tert Butyl Ether	2.455	73	2358745	104.44	ug/L	71
24) Tert Butyl Alcohol	2.533	59	2200281	915.90	ug/L #	1
25) Acetonitrile	2.539	41	1979961m	1133.90	ug/L	
26) Di-isopropyl ether	2.669	45	2432083	105.32	ug/L	98
27) Chloroprene	2.706	53	3610714	111.63	ug/L	94
28) 1,1-Dichloroethane	2.706	63	1357043	102.81	ug/L	98
29) Acrylonitrile	2.711	52	2287648	538.47	ug/L	93
30) ETBE	2.863	59	2499907	108.96	ug/L	100
31) Vinyl acetate	2.842	43	9928785	625.09	ug/L	99
32) cis-1,2-Dichloroethene	2.999	96	758154	98.40	ug/L	95
33) 2,2-Dichloropropane	3.061	77	1006970	108.23	ug/L	99
34) Bromochloromethane	3.103	128	333957	99.92	ug/L	95
35) Cyclohexane	3.140	56	1307853	112.87	ug/L	98
36) Chloroform	3.145	83	1265686	101.29	ug/L	99
37) Ethyl acetate	3.208	43	6522948	585.38	ug/L	99
38) Tetrahydrofuran	3.244	42	468309	101.68	ug/L	95
40) Carbon Tetrachloride	3.244	117	887437m	109.76	ug/L	
41) 1,1,1-Trichloroethane	3.270	97	1065192	104.72	ug/L	99
42) 2-Butanone	3.297	43	3342017	515.53	ug/L	97
43) 1,1-Dichloropropene	3.338	75	941804	104.53	ug/L	98
44) tert-Butyl formate	3.385	59	3672508	682.57	ug/L	95
45) Propionitrile	3.443	54	1997213	1128.61	ug/L	97
46) Methacrylonitrile	3.464	41	7466125	1117.88	ug/L	97
47) Benzene	3.469	78	3162715	103.16	ug/L	71
48) TAME	3.548	73	2287547	106.75	ug/L	99
50) Isobutyl alcohol	3.605	43	1454093m	2301.68	ug/L	
51) 1,2-Dichloroethane	3.563	62	1013066	101.55	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104196.D
Acq On : 7 Feb 2024 11:55 am
Operator : LIANAT
Sample : IC3959-7 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 07 14:23:06 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration

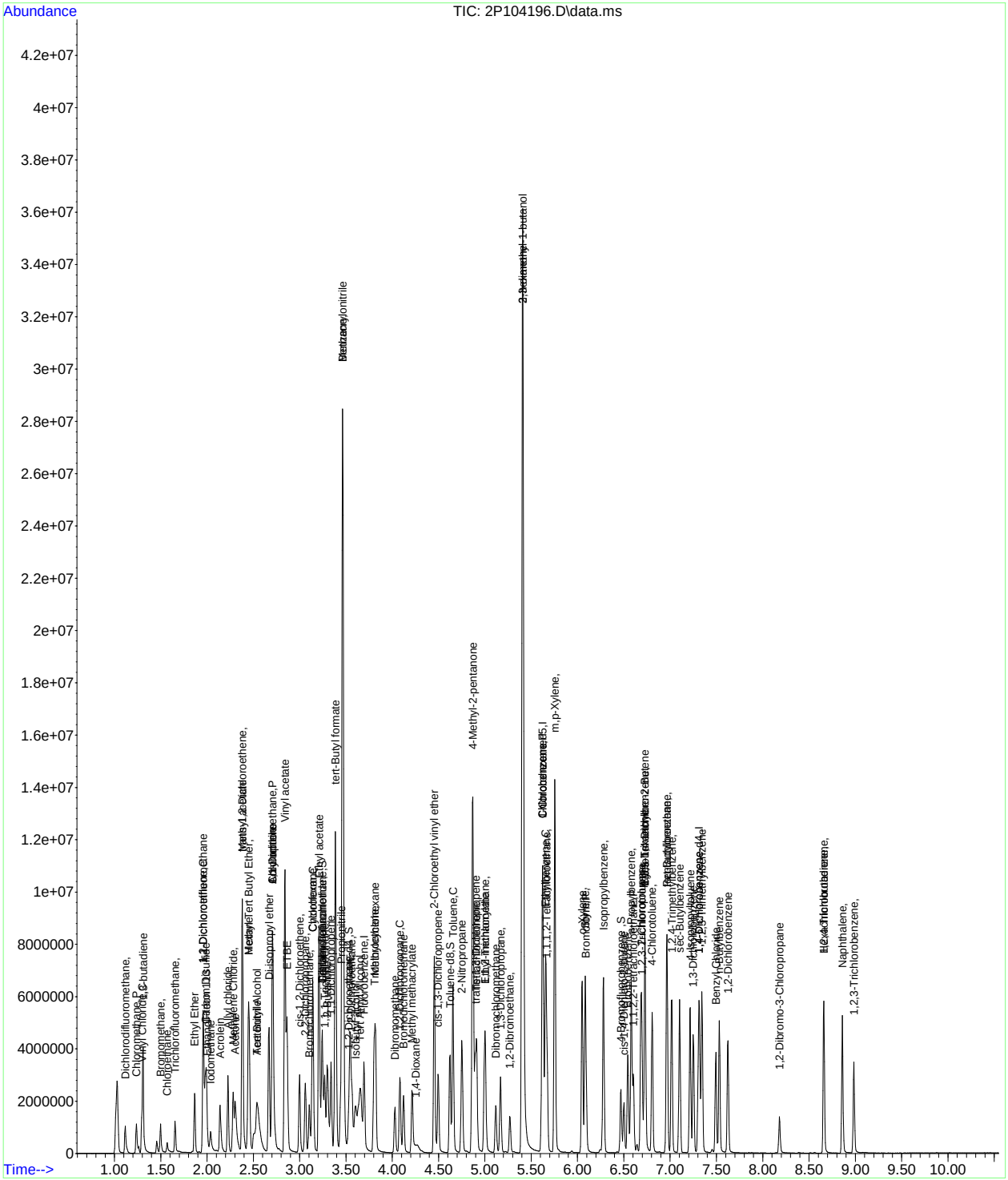
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) Tert Amyl Alcohol	3.657	59	1945211	1070.68	ug/L		95
53) Trichloroethene	3.804	95	738368	99.28	ug/L		97
54) Methylcyclohexane	3.819	83	1161581	111.79	ug/L		99
55) Dibromomethane	4.029	93	409905	106.91	ug/L		87
56) 1,2-Dichloropropane	4.081	63	702548	104.01	ug/L		98
57) Bromodichloromethane	4.123	83	903066	110.22	ug/L		97
58) Methyl methacrylate	4.211	41	841026	107.55	ug/L		99
59) 1,4-Dioxane	4.253	88	339647	2068.14	ug/L		93
60) 2-Chloroethyl vinyl ether	4.452	63	2145352	526.40	ug/L		96
61) cis-1,3-Dichloropropene	4.494	75	1096274	115.41	ug/L		97
64) Toluene	4.656	91	3148487	92.78	ug/L		99
65) 2-Nitropropane	4.750	41	1818884	496.59	ug/L		95
66) 4-Methyl-2-pentanone	4.865	43	6625303	518.94	ug/L		99
67) trans-1,3-Dichloropropene	4.896	75	1062168	101.49	ug/L		98
68) Tetrachloroethene	4.912	166	844280	107.64	ug/L		97
69) Ethyl methacrylate	5.006	69	1141044	107.50	ug/L		95
70) 1,1,2-Trichloroethane	4.996	83	556449	94.06	ug/L		91
71) Dibromochloromethane	5.116	129	657142	105.68	ug/L		95
72) 1,3-Dichloropropane	5.168	76	1141496	96.10	ug/L		96
73) 1,2-Dibromoethane	5.268	107	704890	105.13	ug/L		97
74) 3,3-dimethyl-1-butanol	5.409	57	11564568	5417.99	ug/L		98
75) 2-hexanone	5.409	43	6966317	483.08	ug/L	#	73
76) 1-Chlorohexane	5.623	91	1074637m	113.59	ug/L		
77) Ethylbenzene	5.654	91	3413114	95.96	ug/L		98
78) Chlorobenzene	5.628	112	1959779	94.08	ug/L		99
79) 1,1,1,2-Tetrachloroethane	5.670	131	641043	102.03	ug/L		98
80) m,p-Xylene	5.754	91	5571311	204.89	ug/L		99
81) o-Xylene	6.052	91	2759658	97.55	ug/L		99
82) Styrene	6.083	104	2170964	114.41	ug/L		98
83) Bromoform	6.094	173	531089	126.09	ug/L		97
84) Isopropylbenzene	6.282	105	3265631	101.98	ug/L		99
87) cis-1,4-Dichloro-2-butene	6.501	53	316140	103.13	ug/L	#	88
88) n-Propylbenzene	6.580	91	3663225	97.68	ug/L		98
89) Bromobenzene	6.543	156	755276	97.44	ug/L		90
90) 1,1,2,2-Tetrachloroethane	6.601	83	1004484	93.91	ug/L		98
91) 1,3,5-Trimethylbenzene	6.726	105	2548472	99.88	ug/L		99
92) 2-Chlorotoluene	6.684	91	2161136	97.15	ug/L		100
93) trans-1,4-Dichloro-2-B...	6.731	53	368223	93.75	ug/L		86
94) 1,2,3-Trichloropropane	6.700	110	344079	91.76	ug/L		96
95) Cyclohexanone	6.721	55	285942	531.83	ug/L		94
96) 4-Chlorotoluene	6.805	91	2279694	98.18	ug/L		97
97) tert-Butylbenzene	6.961	91	1356832	99.91	ug/L		96
99) 1,2,4-Trimethylbenzene	7.019	105	2461999	98.80	ug/L		99
100) Pentachloroethane	6.967	167	433116	117.61	ug/L	#	88
101) sec-Butylbenzene	7.103	105	2892931	101.58	ug/L		99
102) 4-Isopropyltoluene	7.218	119	2420007	104.35	ug/L		99
103) 1,3-Dichlorobenzene	7.249	146	1379476	98.59	ug/L		95
104) 1,2,3-Trimethylbenzene	7.343	105	2455091	96.97	ug/L		99
105) 1,4-Dichlorobenzene	7.317	146	1410828	92.83	ug/L		96
106) n-Butylbenzene	7.531	92	1067672	95.93	ug/L		99
107) Benzyl Chloride	7.495	126	410378	104.20	ug/L	#	86
108) 1,2-Dichlorobenzene	7.625	146	1277397	98.83	ug/L		98
109) 1,2-Dibromo-3-Chloropr...	8.180	75	231362	101.32	ug/L		98
110) Hexachlorobutadiene	8.661	225	337178	124.10	ug/L		98
111) 1,2,4-Trichlorobenzene	8.661	180	781625	105.85	ug/L		92
112) Naphthalene	8.859	128	2601874	100.68	ug/L		98
113) 1,2,3-Trichlorobenzene	8.985	180	713299	118.99	ug/L		91

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104196.D
Acq On : 7 Feb 2024 11:55 am
Operator : LIANAT
Sample : IC3959-7 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 07 14:23:06 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration



Manual Integration Approval Summary

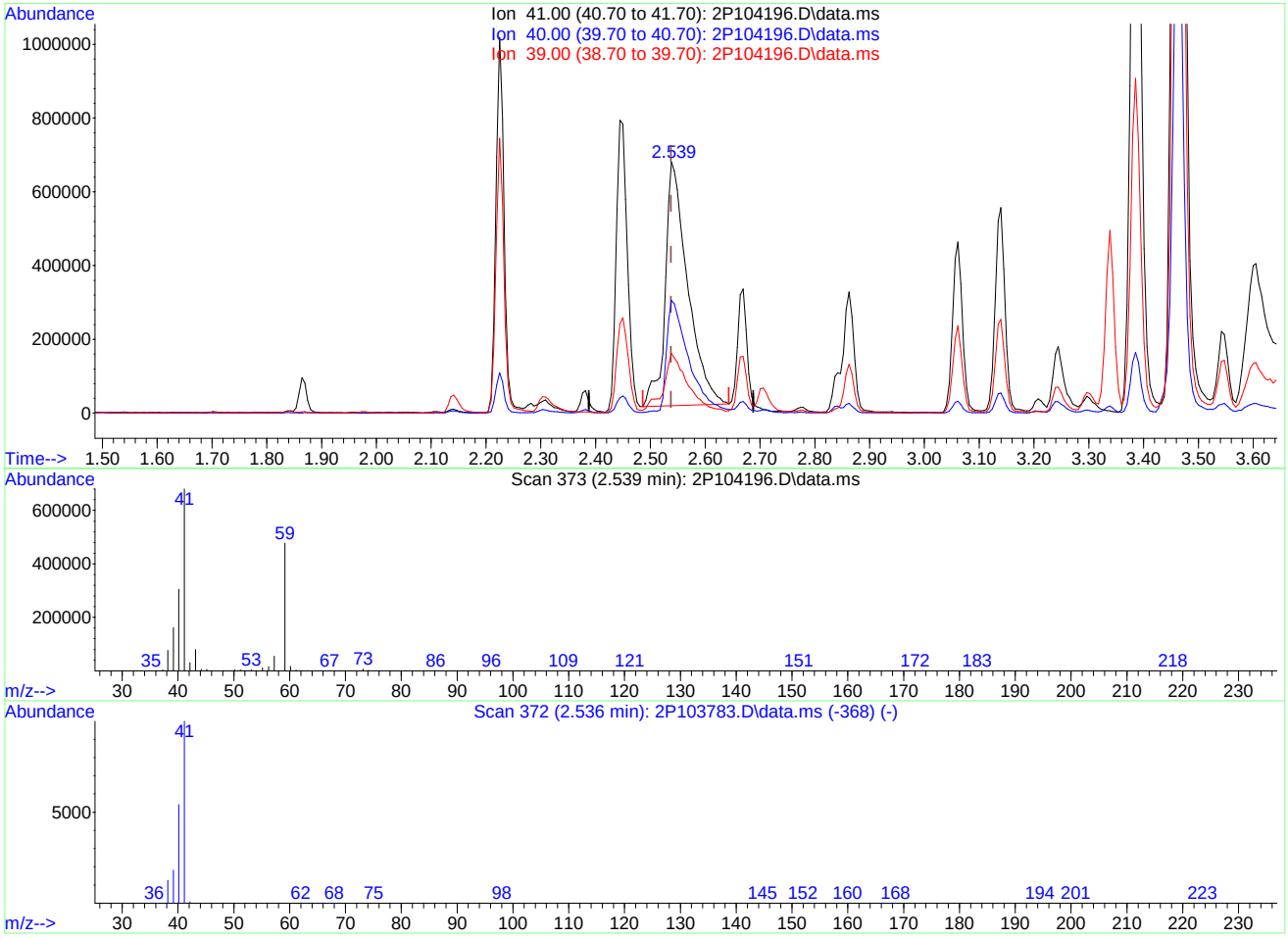
Sample Number: V2P3959-IC3959
Lab FileID: 2P104196.D
Injection Time: 02/07/24 11:55
Method: SW846 8260D
Analyst approved: 02/08/24 10:16 Liana Tortrodriguez
Supervisor approved: 02/08/24 11:45 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		2.01	Poor instrument integration
Acetonitrile	75-05-8		2.54	Poor instrument integration
Carbon Tetrachloride	56-23-5		3.24	Missed peak
Isobutyl Alcohol	78-83-1		3.61	Poor instrument integration
1-Chlorohexane	544-10-5		5.62	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104196.D
Acq On : 7 Feb 2024 11:55 am
Operator : LIANAT
Sample : IC3959-7 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 07 12:16:43 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration



TIC: 2P104196.D\data.ms

(25) Acetonitrile

2.539min (+0.001) 1076.81ug/L

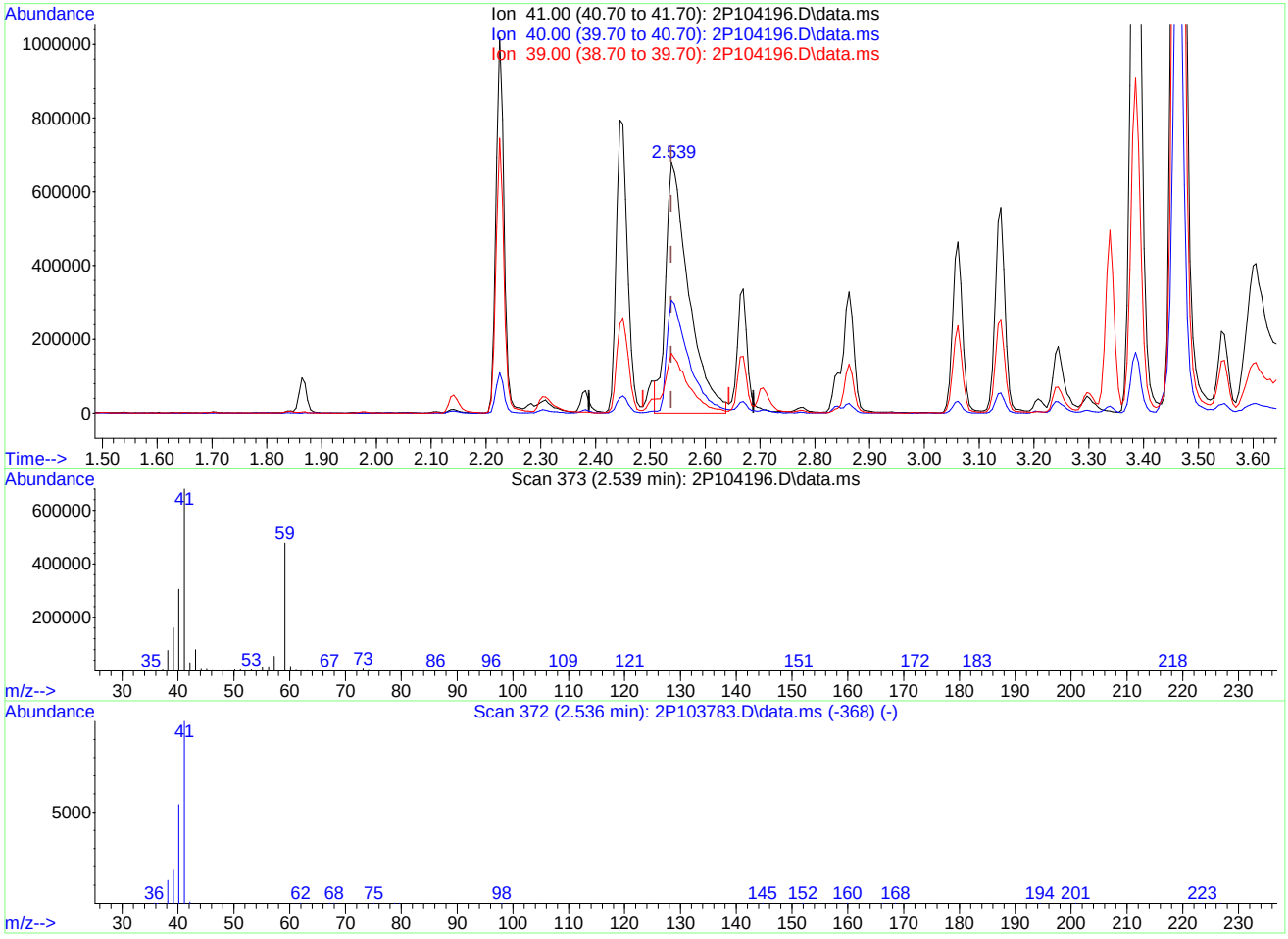
response 1879415

Ion	Exp%	Act%
41.00	100	100
40.00	47.70	45.81
39.00	20.10	23.37
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104196.D
Acq On : 7 Feb 2024 11:55 am
Operator : LIANAT
Sample : IC3959-7 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 07 12:16:43 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration



TIC: 2P104196.D\data.ms

(25) Acetonitrile

2.539min (+0.001) 1133.90ug/L m

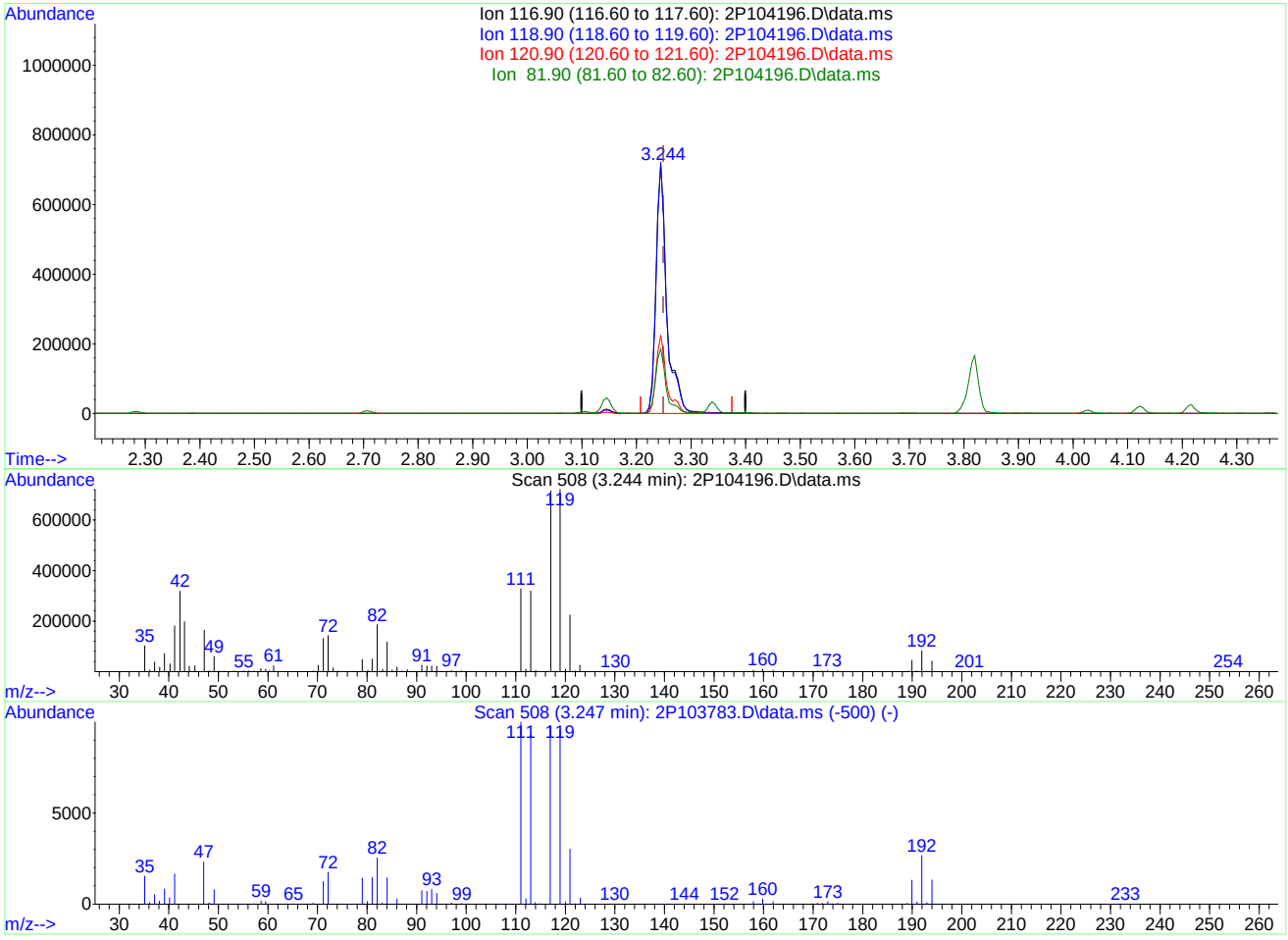
response 1979961

Ion	Exp%	Act%
41.00	100	100
40.00	47.70	44.84
39.00	20.10	23.69
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104196.D
Acq On : 7 Feb 2024 11:55 am
Operator : LIANAT
Sample : IC3959-7 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 07 12:16:43 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration



TIC: 2P104196.D\data.ms

(40) Carbon Tetrachloride ( )

3.244min (-0.005) 123.88ug/L

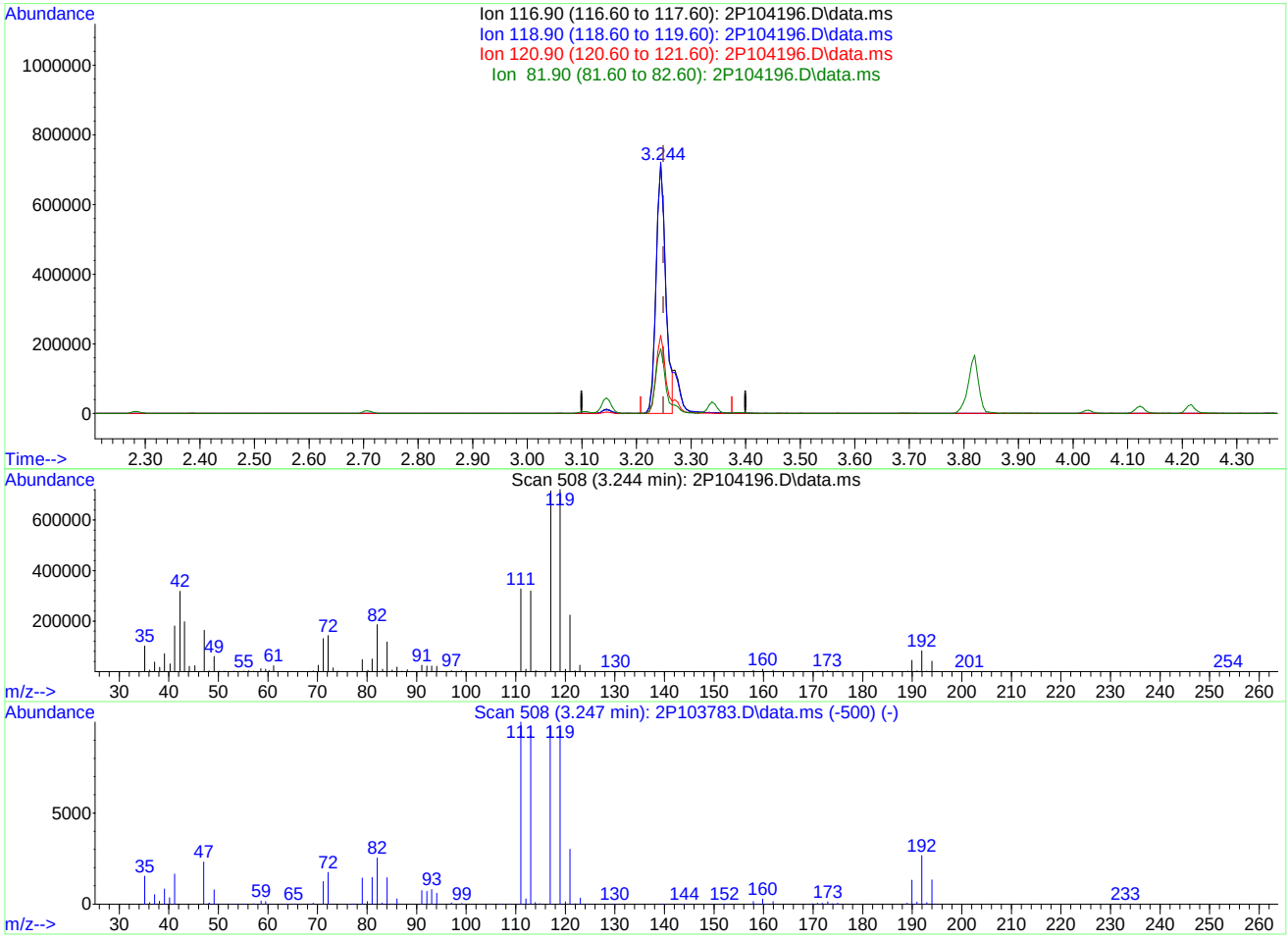
response 1001636

Ion	Exp%	Act%
116.90	100	100
118.90	98.50	100.79
120.90	32.80	31.29
81.90	26.00	25.87

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104196.D
Acq On : 7 Feb 2024 11:55 am
Operator : LIANAT
Sample : IC3959-7 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 07 12:16:43 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration



TIC: 2P104196.D\data.ms

(40) Carbon Tetrachloride ( )

3.244min (-0.005) 109.76ug/L m

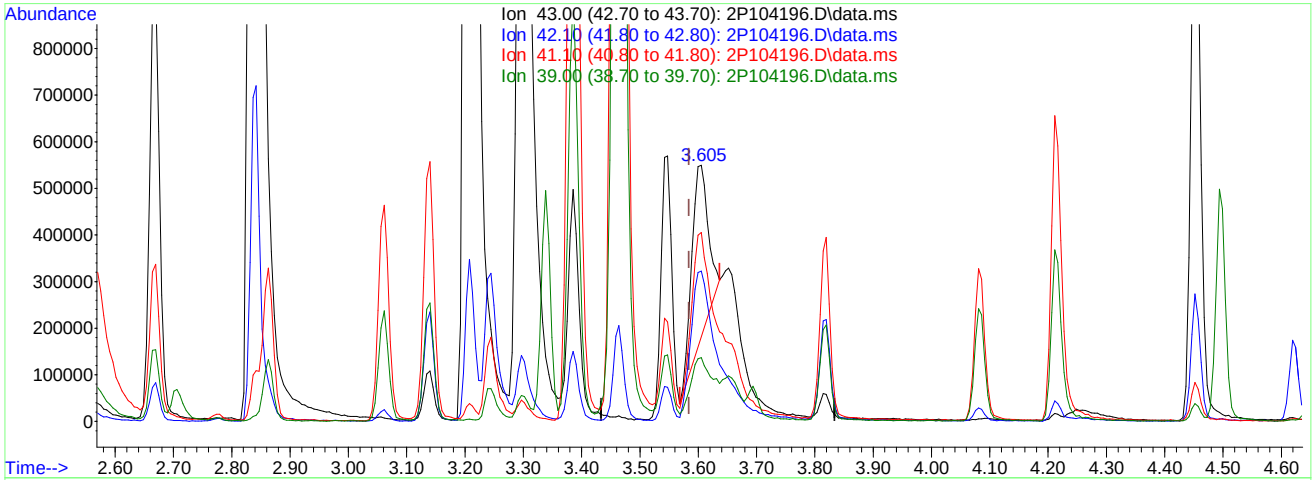
response 887437

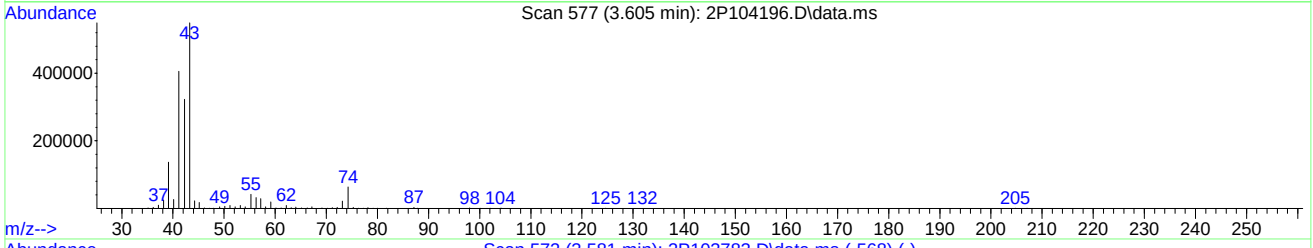
Ion	Exp%	Act%
116.90	100	100
118.90	98.50	100.79
120.90	32.80	31.29
81.90	26.00	26.00

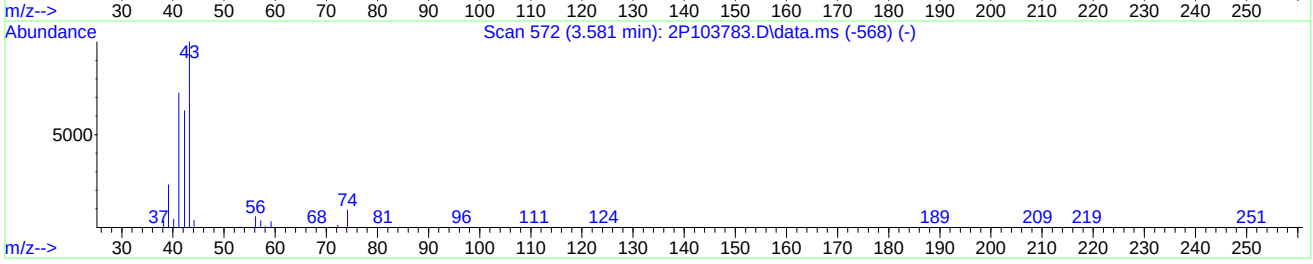
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104196.D
Acq On : 7 Feb 2024 11:55 am
Operator : LIANAT
Sample : IC3959-7 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 07 12:16:43 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration







TIC: 2P104196.D\data.ms

(50) Isobutyl alcohol

3.605min (+0.021) 1234.51ug/L

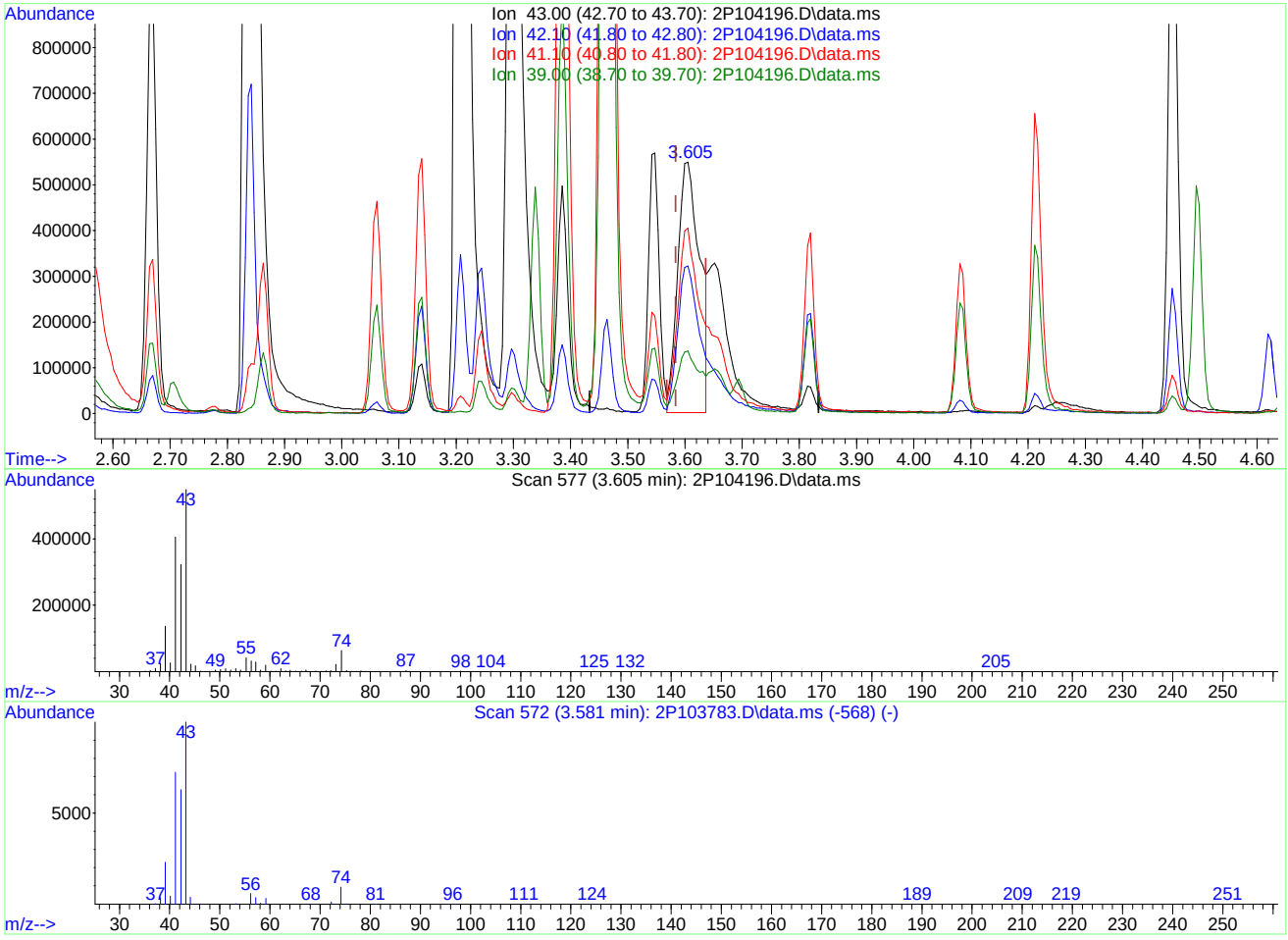
response 766058

Ion	Exp%	Act%
43.00	100	100
42.10	61.30	61.45
41.10	74.10	73.73
39.00	25.90	23.65

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104196.D
Acq On : 7 Feb 2024 11:55 am
Operator : LIANAT
Sample : IC3959-7 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 07 12:16:43 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration



TIC: 2P104196.D\data.ms

(50) Isobutyl alcohol

3.605min (+0.021) 2301.68ug/L m

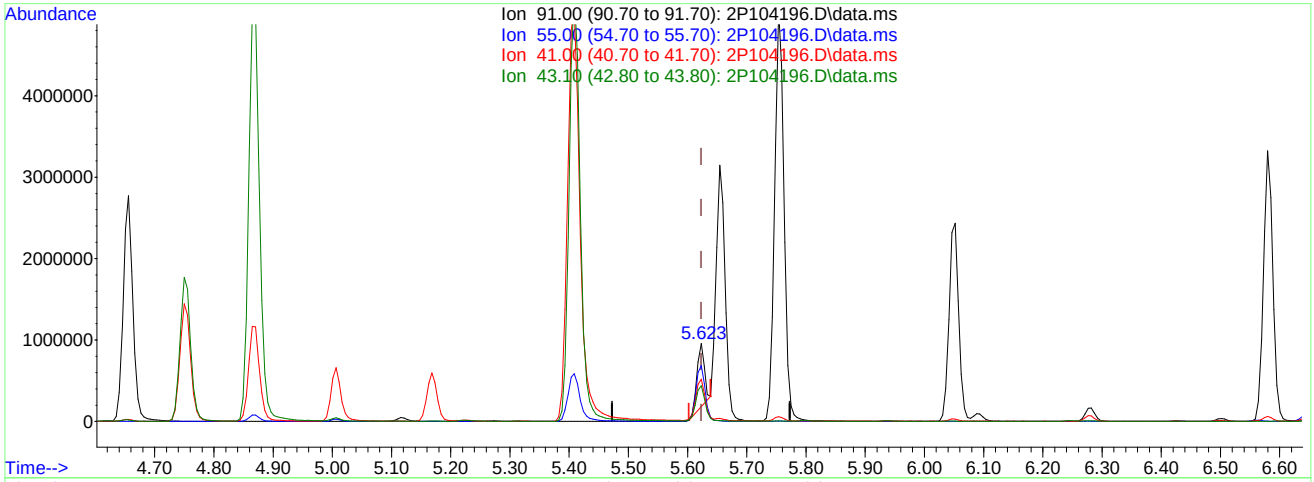
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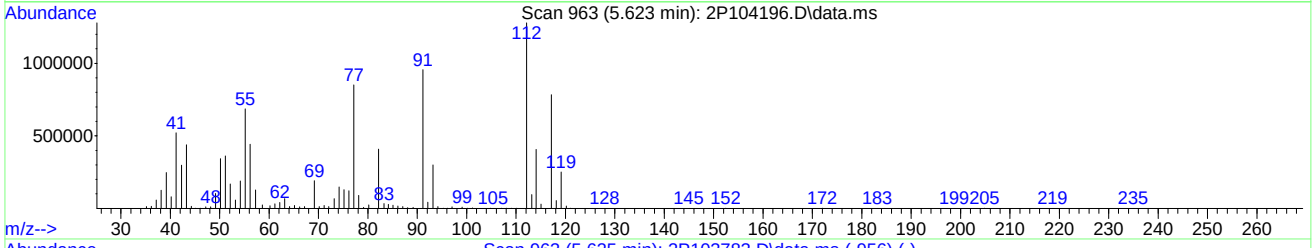
Ion	Exp%	Act%
43.00	100	100
42.10	61.30	58.74
41.10	74.10	73.83
39.00	25.90	24.95

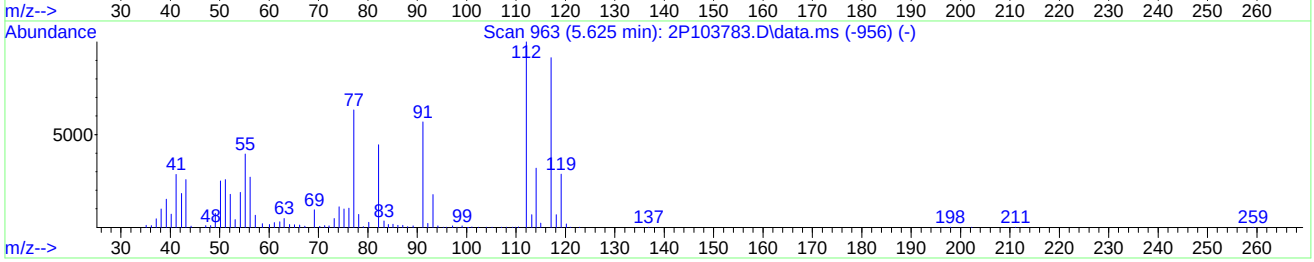
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104196.D
Acq On : 7 Feb 2024 11:55 am
Operator : LIANAT
Sample : IC3959-7 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 07 12:16:43 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration







TIC: 2P104196.D\data.ms

(76) 1-Chlorohexane

5.623min (+0.000) 76.14ug/L

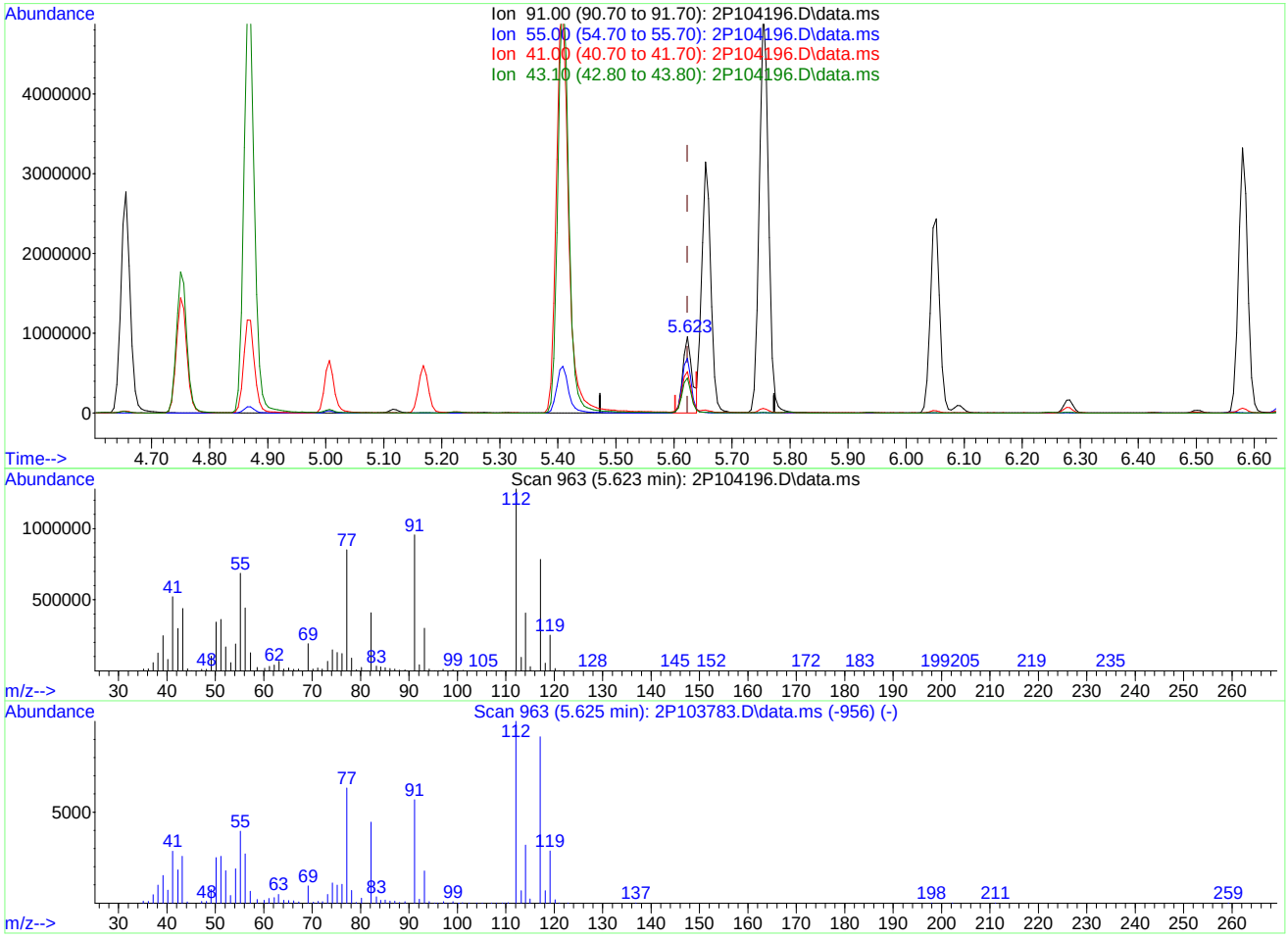
response 720369

Ion	Exp%	Act%
91.00	100	100
55.00	75.40	70.98
41.00	56.40	52.65
43.10	46.70	44.63

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104196.D
Acq On : 7 Feb 2024 11:55 am
Operator : LIANAT
Sample : IC3959-7 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 07 12:16:43 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration



TIC: 2P104196.D\data.ms

(76) 1-Chlorohexane

5.623min (+0.000) 113.59ug/L m

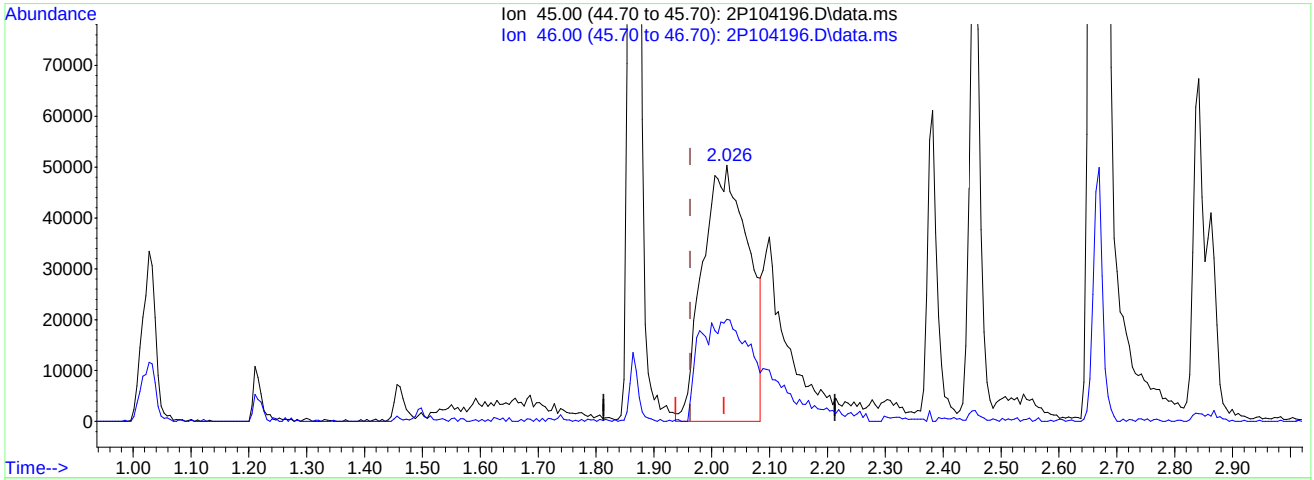
response 1074637

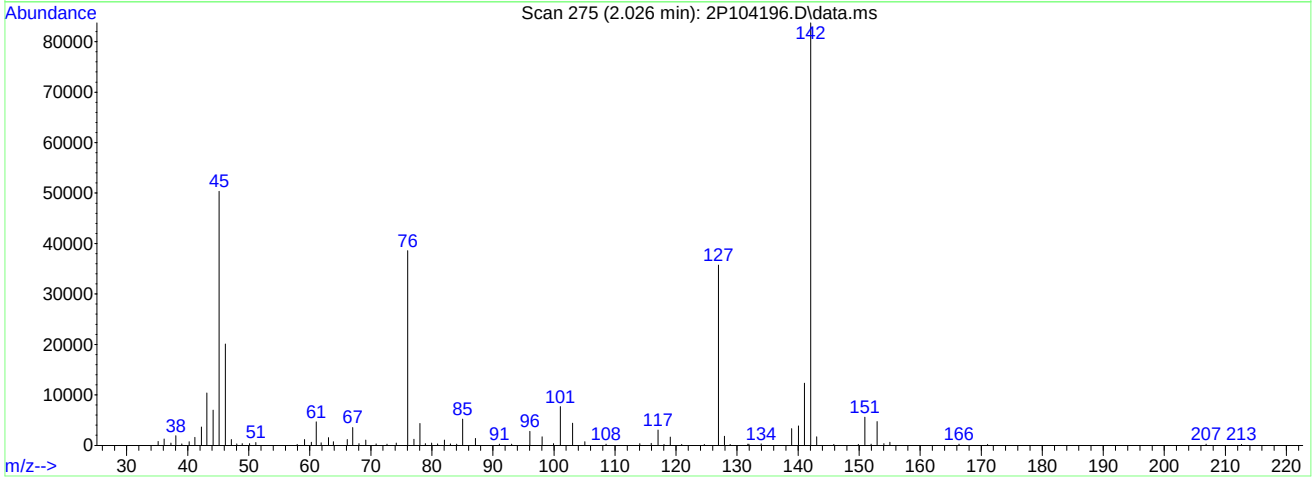
Ion	Exp%	Act%
91.00	100	100
55.00	75.40	71.84
41.00	56.40	54.48
43.10	46.70	45.84

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104196.D
Acq On : 7 Feb 2024 11:55 am
Operator : LIANAT
Sample : IC3959-7 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 07 13:28:52 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Dec 06 13:50:21 2023
Response via : Initial Calibration





TIC: 2P104196.D\data.ms

(10) Ethanol

2.026min (+0.063) -50.00ug/L m

response 276564

Ion	Exp%	Act%
45.00	100	100
46.00	38.40	39.89
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
02/13/24 11:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104198.D
Acq On : 7 Feb 2024 2:40 pm
Operator : LIANAT
Sample : ICV3959-5 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 13 10:28:14 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Feb 13 10:27:22 2024
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	3.695	96	1652077	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.614	117	1156984	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.302	152	593639	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.245	113	371215	51.38	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.76%			
49) 1,2-Dichloroethane-d4	3.528	65	476608	53.06	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 106.12%			
63) Toluene-d8	4.620	98	1595236	49.75	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 99.50%			
86) 4-Bromofluorobenzene	6.466	174	509802	49.28	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.56%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.123	85	251096	43.13	ug/L	100
3) Chloromethane	1.243	50	273687	41.26	ug/L	99
4) 1,3-butadiene	1.316	39	288934	35.83	ug/L	99
5) Vinyl Chloride	1.300	62	303449	40.61	ug/L	96
6) Bromomethane	1.504	94	137099	38.04	ug/L	95
7) Chloroethane	1.572	64	87733	41.71	ug/L	97
8) Trichlorofluoromethane	1.666	101	422251	40.27	ug/L	97
9) Ethyl Ether	1.865	59	259024	41.00	ug/L	98
10) Ethanol	1.970	45	124081	838.80	ug/L	90
11) 1,2-Dichlorotrifluoroe...	1.964	67	292853	43.17	ug/L	94
12) 1,1-Dichloroethene	1.970	61	370480	40.42	ug/L	97
13) Freon 113	2.001	101	248982	42.68	ug/L	95
14) Carbon Disulfide	1.990	76	696195	40.33	ug/L	99
15) Iodomethane	2.048	142	213918	38.54	ug/L	98
16) Acrolein	2.142	56	443761	215.04	ug/L	99
17) Allyl chloride	2.231	41	374957	40.92	ug/L	99
18) Methylene Chloride	2.288	49	341783	41.69	ug/L	97
19) Acetone	2.299	43	836627	237.85	ug/L	98
20) Methyl acetate	2.377	43	1800169	202.76	ug/L	98
21) trans-1,2-Dichloroethene	2.388	61	359030	39.46	ug/L	92
22) Hexane	2.451	56	203224	39.93	ug/L	96
23) Methyl Tert Butyl Ether	2.456	73	874864	40.98	ug/L	87
24) Tert Butyl Alcohol	2.492	59	837100	402.11	ug/L	97
25) Acetonitrile	2.534	41	700809m	437.43	ug/L	
26) Di-isopropyl ether	2.665	45	862773	39.05	ug/L	97
27) Chloroprene	2.707	53	1293634	43.94	ug/L	98
28) 1,1-Dichloroethane	2.712	63	482110	38.17	ug/L	99
29) Acrylonitrile	2.712	52	850033	227.59	ug/L	94
30) ETBE	2.864	59	896548	40.52	ug/L	98
31) Vinyl acetate	2.843	43	3466542	193.89	ug/L	100
32) cis-1,2-Dichloroethene	2.999	96	279026	38.73	ug/L	98
33) 2,2-Dichloropropane	3.062	77	362523	40.53	ug/L	99
34) Bromochloromethane	3.104	128	127893	40.32	ug/L	91
35) Cyclohexane	3.141	56	467016	41.70	ug/L	97
36) Chloroform	3.146	83	475868	40.08	ug/L	100
37) Ethyl acetate	3.209	43	2440931	209.03	ug/L	99
38) Tetrahydrofuran	3.240	42	163832	38.13	ug/L	94
40) Carbon Tetrachloride	3.245	117	316458m	38.81	ug/L	
41) 1,1,1-Trichloroethane	3.271	97	399672	40.76	ug/L	97
42) 2-Butanone	3.297	43	1246095	216.49	ug/L	98
43) 1,1-Dichloropropene	3.339	75	351786	42.15	ug/L	97
44) tert-Butyl formate	3.386	59	1310706	220.29	ug/L	98
45) Propionitrile	3.439	54	777275	435.03	ug/L	97
46) Methacrylonitrile	3.460	41	2800045	463.89	ug/L	100
47) Benzene	3.470	78	1119758	39.41	ug/L	96
48) TAME	3.543	73	817420	40.06	ug/L	100
50) Isobutyl alcohol	3.580	43	466134m	756.59	ug/L	
51) 1,2-Dichloroethane	3.564	62	375695	39.41	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104198.D
Acq On : 7 Feb 2024 2:40 pm
Operator : LIANAT
Sample : ICV3959-5 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 13 10:28:14 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Feb 13 10:27:22 2024
Response via : Initial Calibration

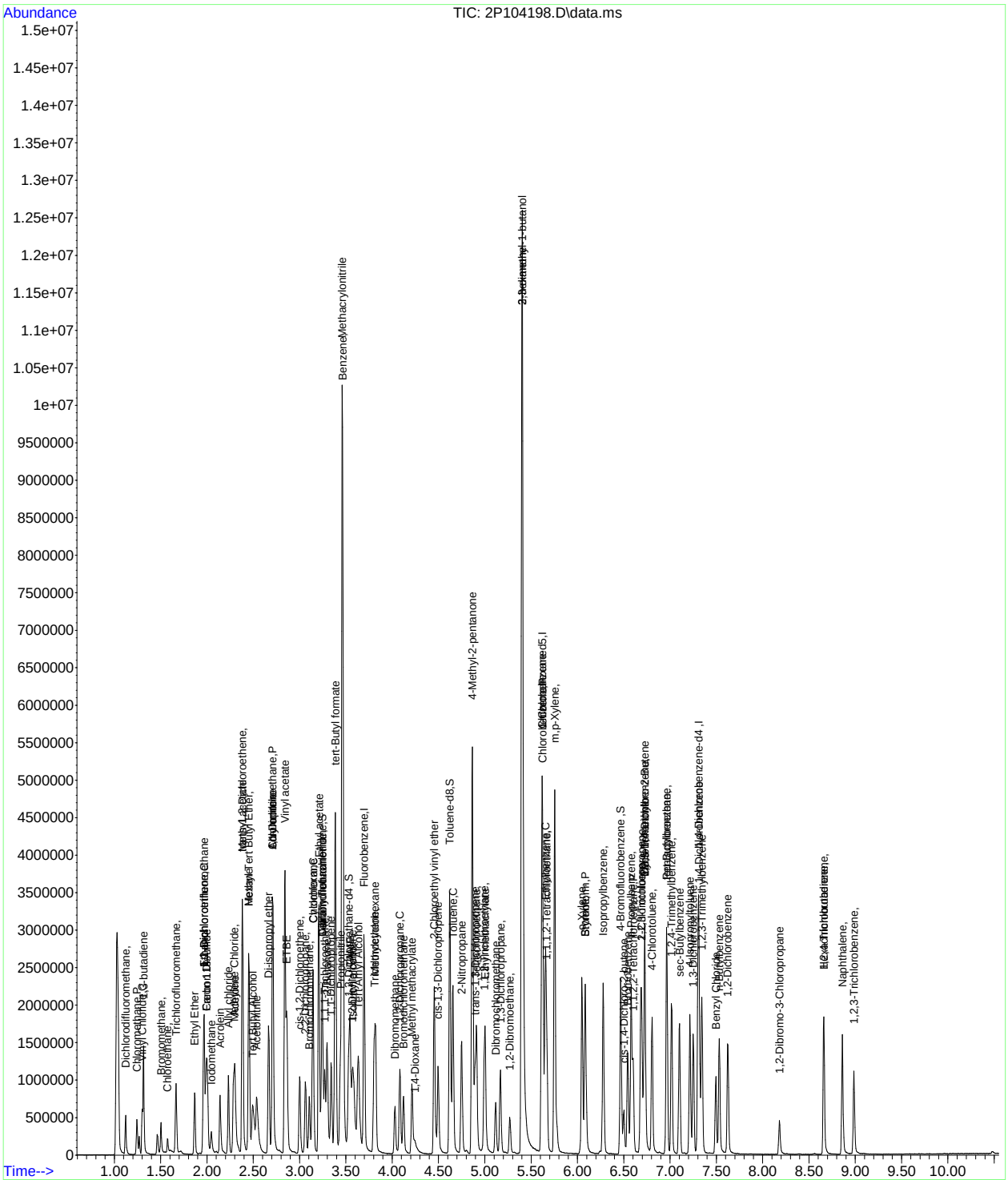
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) Tert Amyl Alcohol	3.632	59	683796	426.47	ug/L		98
53) Trichloroethene	3.805	95	272651	40.28	ug/L		96
54) Methylcyclohexane	3.820	83	409805	41.18	ug/L		98
55) Dibromomethane	4.029	93	152289	40.99	ug/L		98
56) 1,2-Dichloropropane	4.082	63	275206	42.64	ug/L		95
57) Bromodichloromethane	4.124	83	313474	40.55	ug/L		99
58) Methyl methacrylate	4.212	41	325923	43.59	ug/L		98
59) 1,4-Dioxane	4.249	88	116725	755.19	ug/L		96
60) 2-Chloroethyl vinyl ether	4.453	63	626130	173.34	ug/L		99
61) cis-1,3-Dichloropropene	4.495	75	399882	40.33	ug/L		95
64) Toluene	4.657	91	1158673	38.81	ug/L		97
65) 2-Nitropropane	4.751	41	617307	191.02	ug/L		98
66) 4-Methyl-2-pentanone	4.866	43	2513217	205.45	ug/L		98
67) trans-1,3-Dichloropropene	4.892	75	349770	36.98	ug/L		96
68) Tetrachloroethene	4.913	166	319247	41.38	ug/L		99
69) Ethyl methacrylate	5.007	69	438572	43.53	ug/L		97
70) 1,1,2-Trichloroethane	4.991	83	205209	39.93	ug/L		95
71) Dibromochloromethane	5.117	129	247963	41.66	ug/L		98
72) 1,3-Dichloropropane	5.169	76	447532	42.54	ug/L		99
73) 1,2-Dibromoethane	5.268	107	260698	43.09	ug/L		99
74) 3,3-dimethyl-1-butanol	5.399	57	4036634	1964.98	ug/L		100
75) 2-hexanone	5.404	43	2659566	206.64	ug/L		95
76) 1-Chlorohexane	5.624	91	310462m	33.93	ug/L		
77) Ethylbenzene	5.655	91	1254202	39.83	ug/L		99
78) Chlorobenzene	5.629	112	703257	37.34	ug/L		98
79) 1,1,1,2-Tetrachloroethane	5.671	131	241208	41.67	ug/L		97
80) m,p-Xylene	5.755	91	1935313	79.72	ug/L		98
81) o-Xylene	6.047	91	963834	38.09	ug/L		98
82) Styrene	6.084	104	751108	38.49	ug/L		98
83) Bromoform	6.089	173	175367	37.57	ug/L		97
84) Isopropylbenzene	6.277	105	1141242	38.84	ug/L		98
87) cis-1,4-Dichloro-2-butene	6.502	53	96659	34.27	ug/L		93
88) n-Propylbenzene	6.581	91	1241715	36.96	ug/L		99
89) Bromobenzene	6.544	156	295912	40.41	ug/L		94
90) 1,1,2,2-Tetrachloroethane	6.602	83	376822	40.11	ug/L		98
91) 1,3,5-Trimethylbenzene	6.727	105	905005	38.84	ug/L		98
92) 2-Chlorotoluene	6.685	91	761908	38.72	ug/L		94
93) trans-1,4-Dichloro-2-B...	6.732	53	112981	34.56	ug/L		92
94) 1,2,3-Trichloropropane	6.696	110	136590	41.58	ug/L		97
95) Cyclohexanone	6.722	55	236420	451.67	ug/L		98
96) 4-Chlorotoluene	6.805	91	798726	38.25	ug/L		99
97) tert-Butylbenzene	6.962	91	467029	37.60	ug/L		96
99) 1,2,4-Trimethylbenzene	7.015	105	869763	38.79	ug/L		97
100) Pentachloroethane	6.968	167	161194	45.10	ug/L	#	68
101) sec-Butylbenzene	7.103	105	932872	35.83	ug/L		100
102) 4-Isopropyltoluene	7.213	119	803714	37.86	ug/L		97
103) 1,3-Dichlorobenzene	7.250	146	488948	37.73	ug/L		97
104) 1,2,3-Trimethylbenzene	7.344	105	872721	37.93	ug/L		99
105) 1,4-Dichlorobenzene	7.318	146	517263	37.41	ug/L		92
106) n-Butylbenzene	7.532	92	358793	37.53	ug/L		93
107) Benzyl Chloride	7.496	126	117306	37.37	ug/L	#	85
108) 1,2-Dichlorobenzene	7.626	146	462094	38.58	ug/L		100
109) 1,2-Dibromo-3-Chloropr...	8.180	75	83264	39.33	ug/L		99
110) Hexachlorobutadiene	8.661	225	119689	38.00	ug/L		95
111) 1,2,4-Trichlorobenzene	8.661	180	264593	37.01	ug/L		96
112) Naphthalene	8.860	128	854004	36.18	ug/L		99
113) 1,2,3-Trichlorobenzene	8.986	180	251608	38.01	ug/L		95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104198.D
Acq On : 7 Feb 2024 2:40 pm
Operator : LIANAT
Sample : ICV3959-5 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 13 10:28:14 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Feb 13 10:27:22 2024
Response via : Initial Calibration



FC14007

Manual Integration Approval Summary

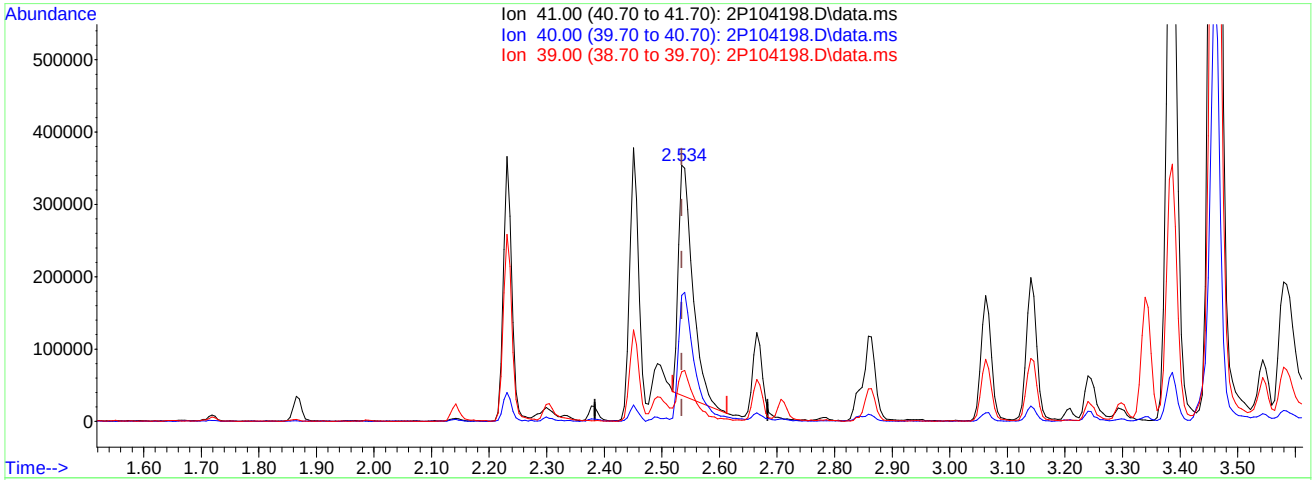
Sample Number: V2P3959-ICV3959 **Method:** SW846 8260D
Lab FileID: 2P104198.D **Analyst approved:** 02/13/24 11:26 Liana Tortrodriguez
Injection Time: 02/07/24 14:40 **Supervisor approved:** 02/13/24 11:34 Karen Watson

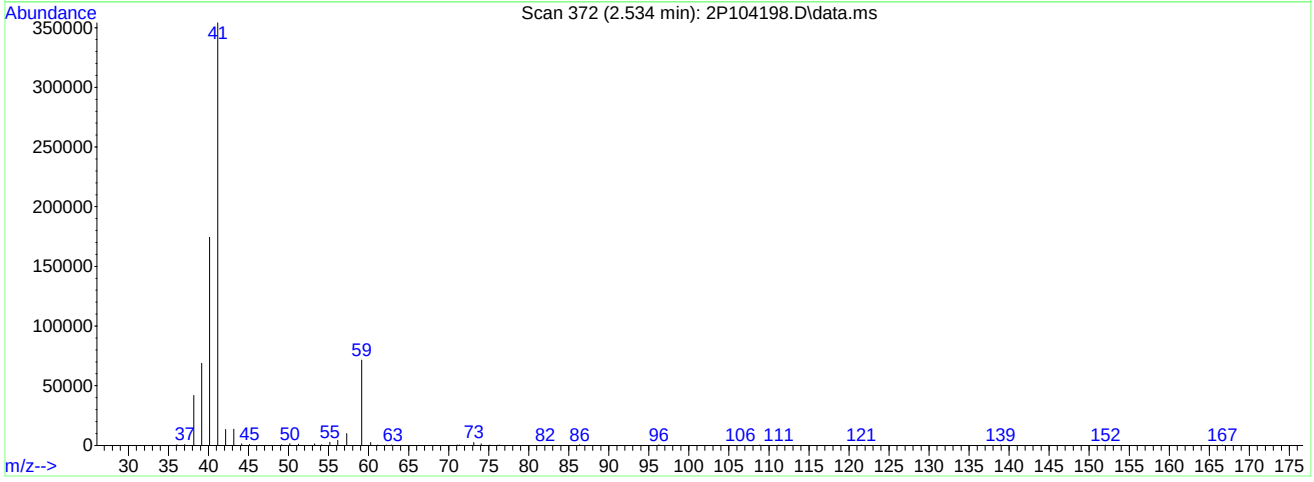
Parameter	CAS	Sig#	R.T. (min.)	Reason
Acetonitrile	75-05-8		2.53	Poor instrument integration
Carbon Tetrachloride	56-23-5		3.25	Overlapping peak
Isobutyl Alcohol	78-83-1		3.58	Poor instrument integration
1-Chlorohexane	544-10-5		5.62	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104198.D
Acq On : 7 Feb 2024 2:40 pm
Operator : LIANAT
Sample : ICV3959-5 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 07 14:51:44 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Feb 07 14:23:22 2024
Response via : Initial Calibration





TIC: 2P104198.D\data.ms

(25) Acetonitrile

2.534min (+0.000) 341.82ug/L

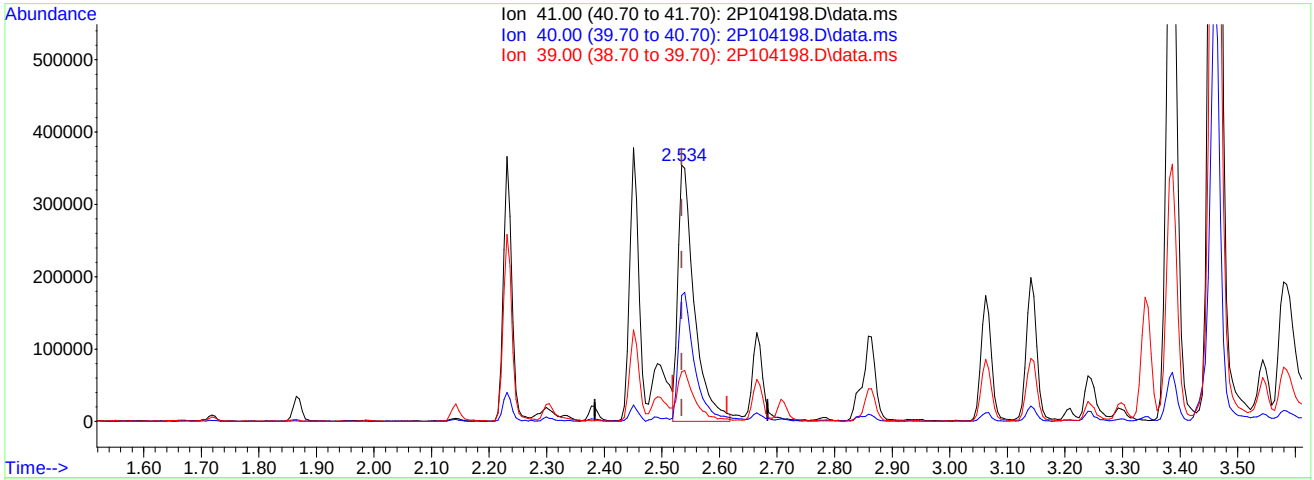
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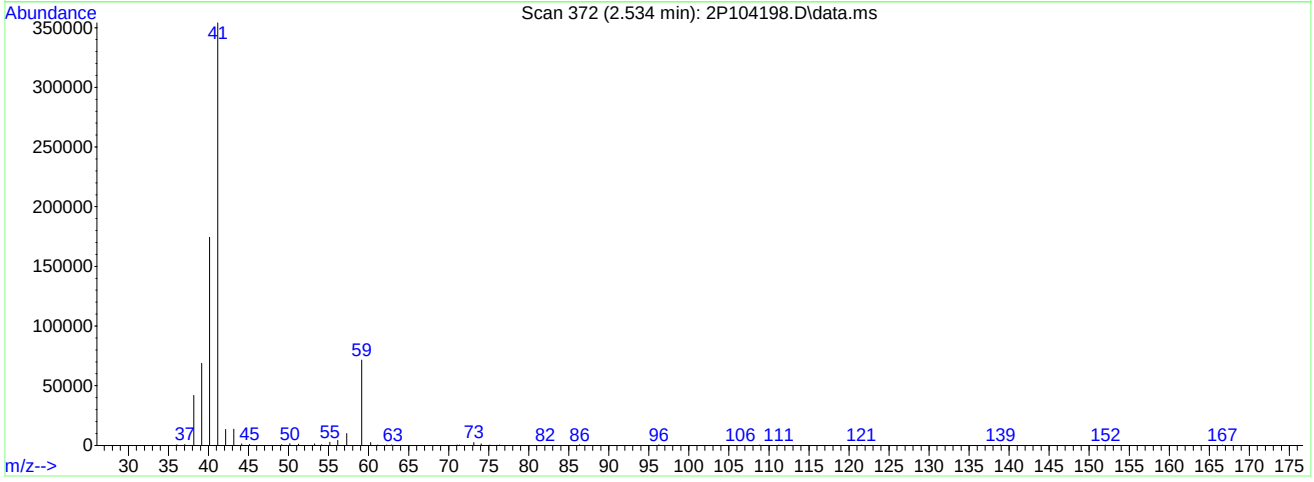
Ion	Exp%	Act%
41.00	100	100
40.00	49.30	49.44
39.00	20.00	19.03
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104198.D
Acq On : 7 Feb 2024 2:40 pm
Operator : LIANAT
Sample : ICV3959-5 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 07 14:51:44 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Feb 07 14:23:22 2024
Response via : Initial Calibration





TIC: 2P104198.D\data.ms

(25) Acetonitrile

2.534min (+0.000) 436.15ug/L m

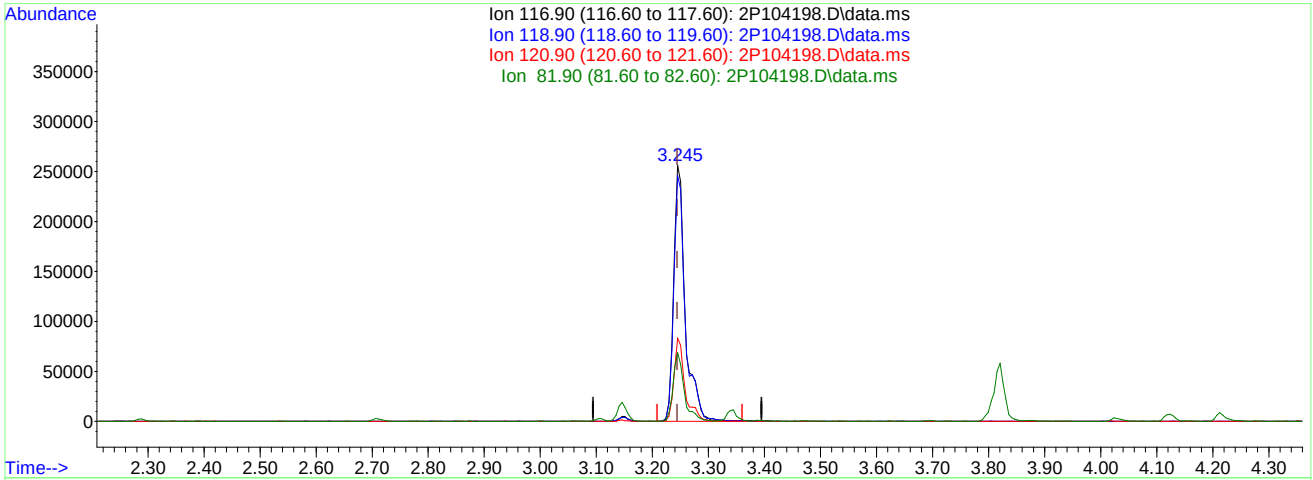
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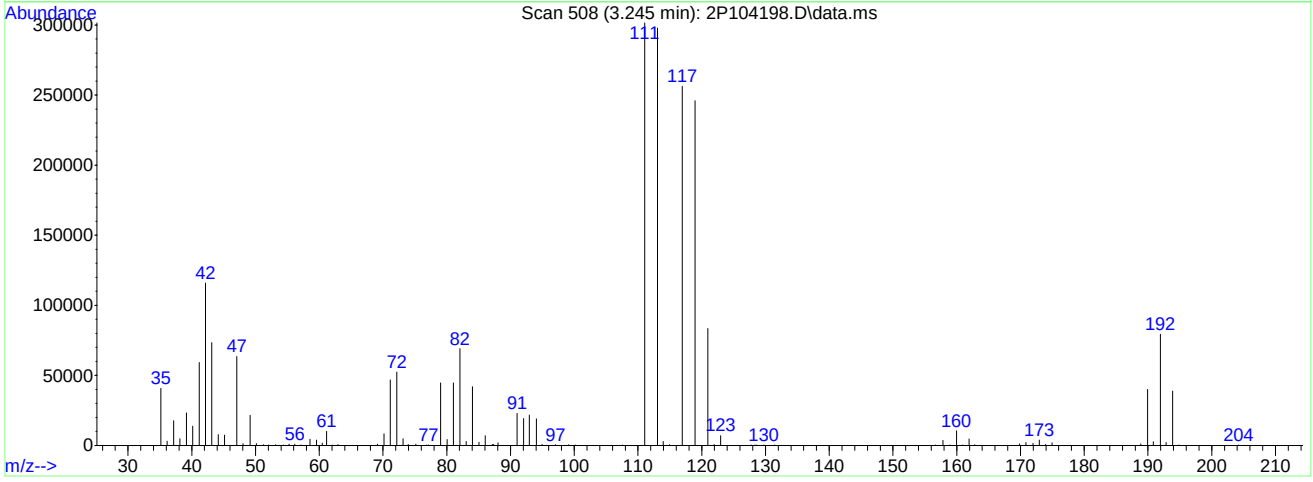
Ion	Exp%	Act%
41.00	100	100
40.00	49.30	49.25
39.00	20.00	19.43
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104198.D
Acq On : 7 Feb 2024 2:40 pm
Operator : LIANAT
Sample : ICV3959-5 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 07 14:51:44 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Feb 07 14:23:22 2024
Response via : Initial Calibration





TIC: 2P104198.D\data.ms

(40) Carbon Tetrachloride ( )

3.245min (+0.000) 45.25ug/L

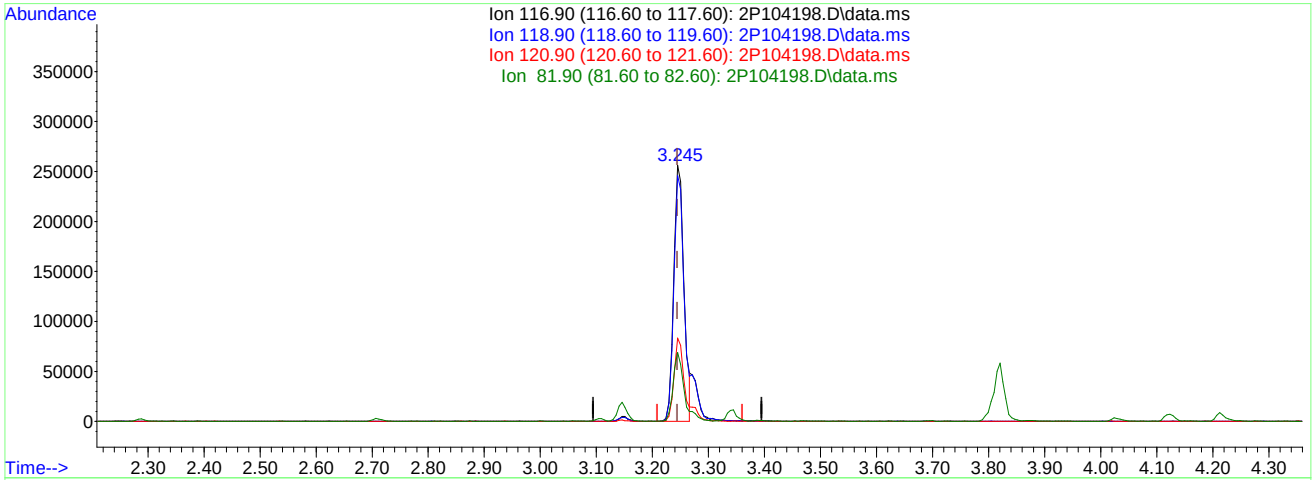
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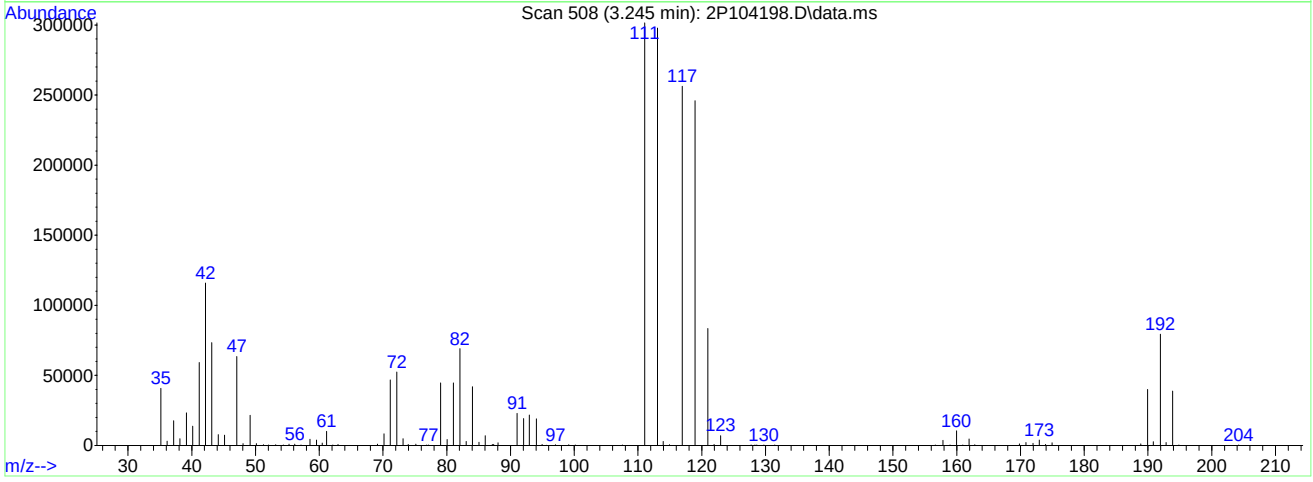
Ion	Exp%	Act%
116.90	100	100
118.90	94.60	96.03
120.90	32.10	32.53
81.90	24.90	26.83

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104198.D
Acq On : 7 Feb 2024 2:40 pm
Operator : LIANAT
Sample : ICV3959-5 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 07 14:51:44 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Feb 07 14:23:22 2024
Response via : Initial Calibration





TIC: 2P104198.D\data.ms

(40) Carbon Tetrachloride ( )

3.245min (+0.000) 39.58ug/L m

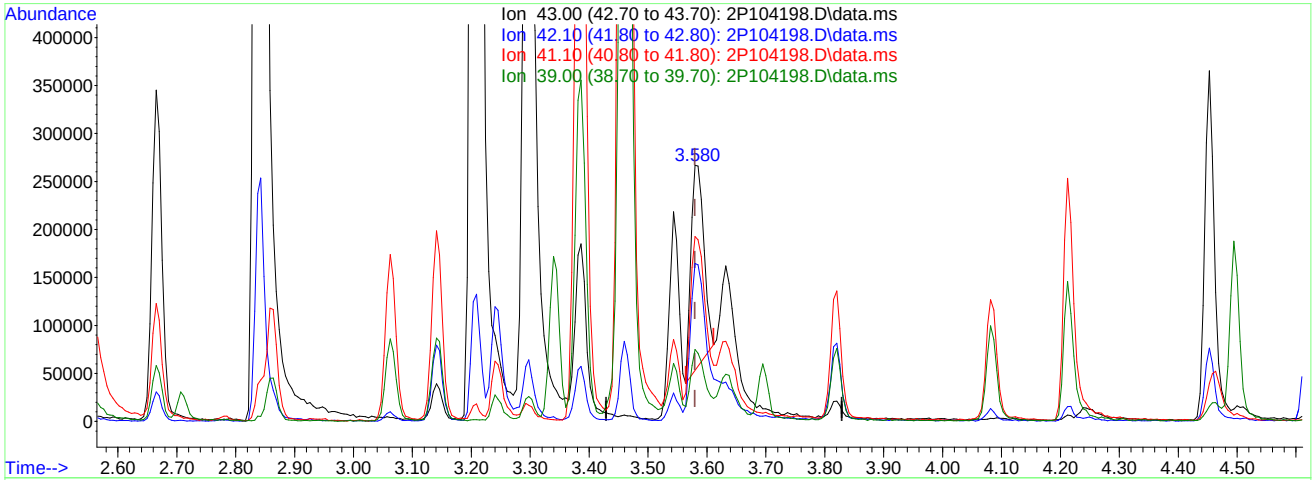
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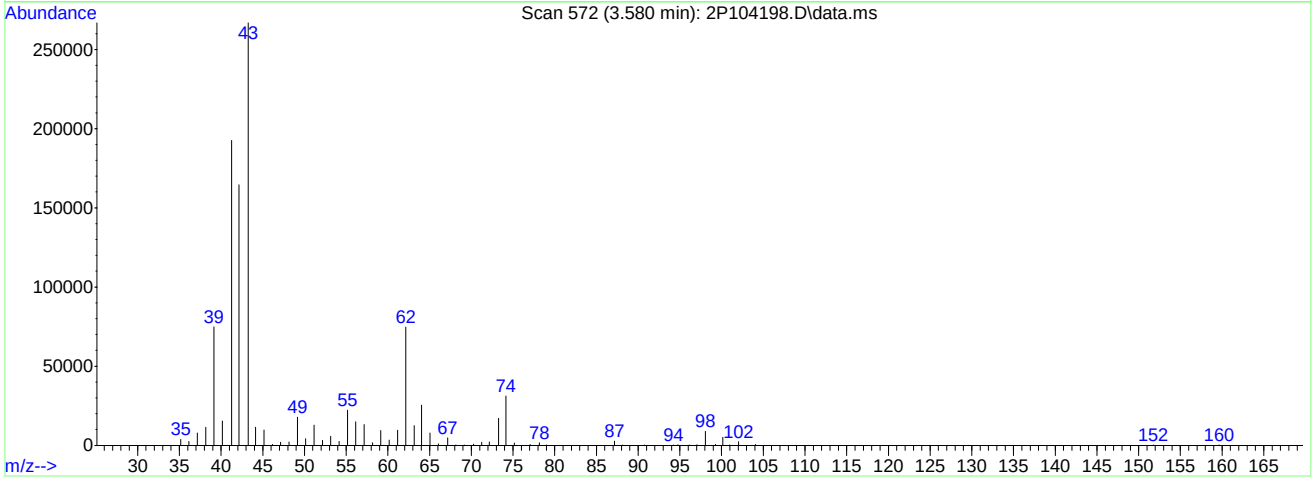
Ion	Exp%	Act%
116.90	100	100
118.90	94.60	96.03
120.90	32.10	32.53
81.90	24.90	26.95

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104198.D
Acq On : 7 Feb 2024 2:40 pm
Operator : LIANAT
Sample : ICV3959-5 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 07 14:51:44 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Feb 07 14:23:22 2024
Response via : Initial Calibration





TIC: 2P104198.D\data.ms

(50) Isobutyl alcohol

3.580min (+0.000) 526.79ug/L

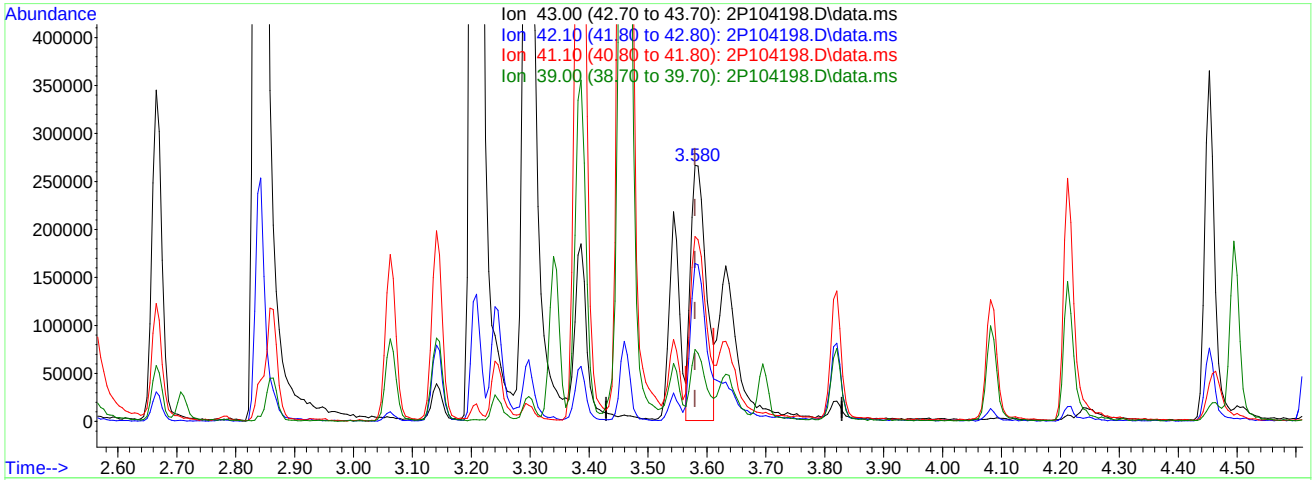
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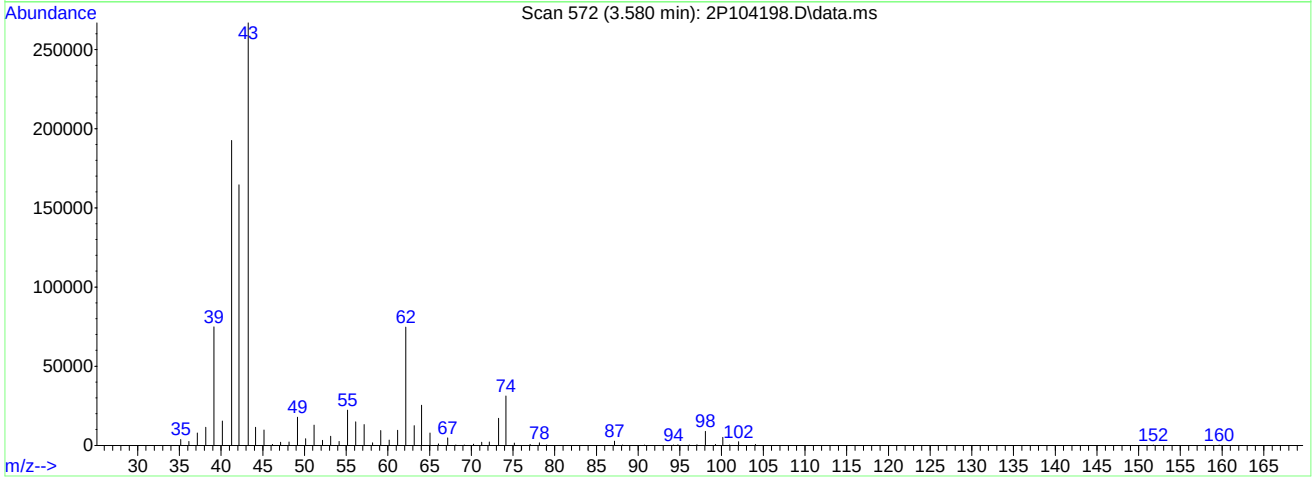
Ion	Exp%	Act%
43.00	100	100
42.10	56.80	65.46
41.10	71.50	72.01
39.00	27.50	26.25

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104198.D
Acq On : 7 Feb 2024 2:40 pm
Operator : LIANAT
Sample : ICV3959-5 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 07 14:51:44 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Feb 07 14:23:22 2024
Response via : Initial Calibration





TIC: 2P104198.D\data.ms

(50) Isobutyl alcohol

3.580min (+0.000) 796.87ug/L m

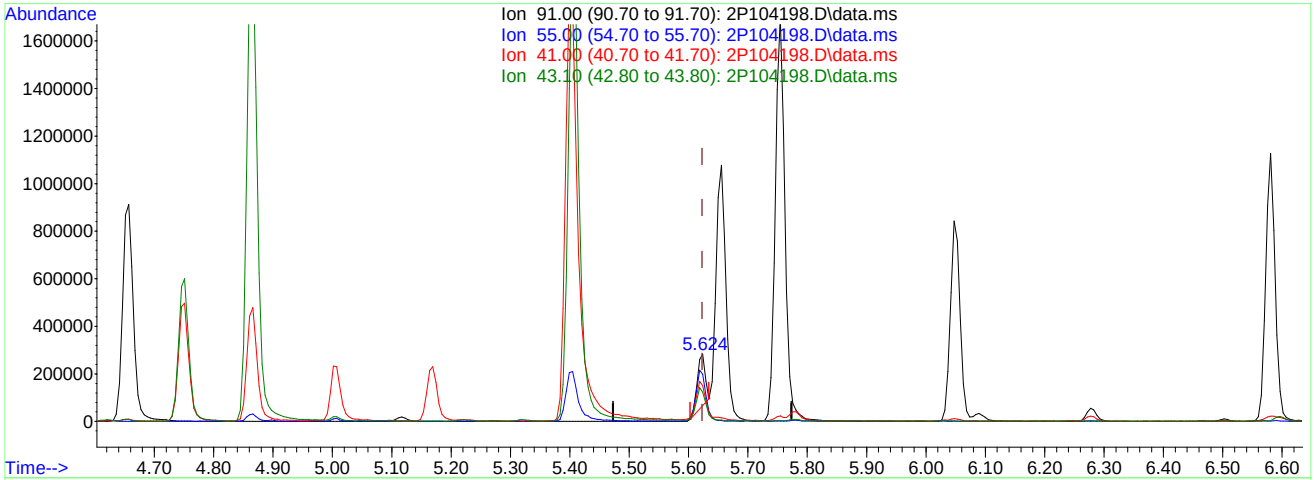
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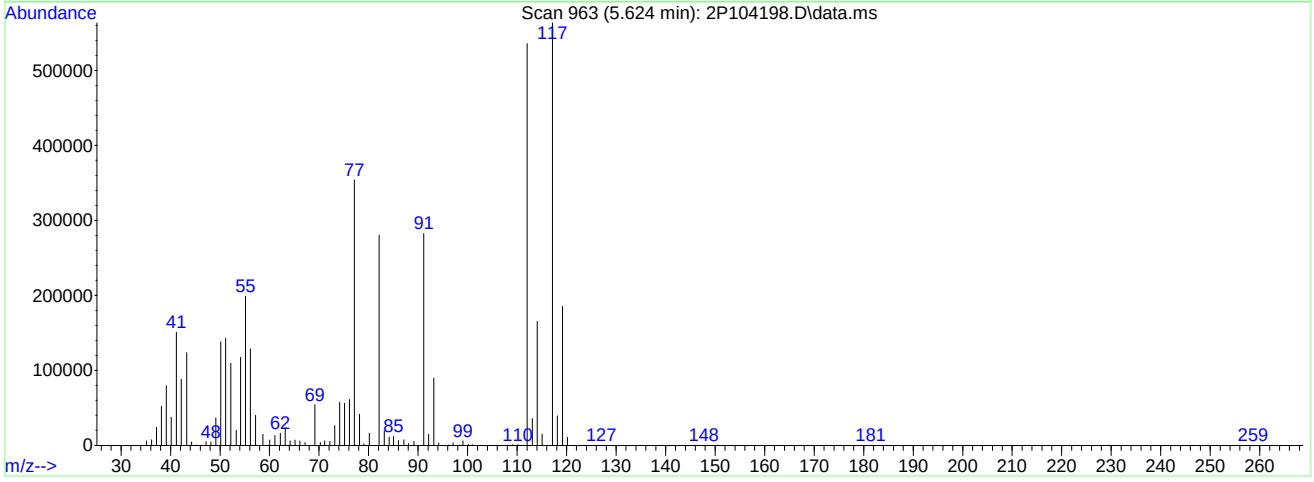
Ion	Exp%	Act%
43.00	100	100
42.10	56.80	61.65
41.10	71.50	72.18
39.00	27.50	28.06

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104198.D
Acq On : 7 Feb 2024 2:40 pm
Operator : LIANAT
Sample : ICV3959-5 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 07 14:51:44 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Feb 07 14:23:22 2024
Response via : Initial Calibration





TIC: 2P104198.D\data.ms

(76) 1-Chlorohexane

5.624min (+0.000) 24.00ug/L

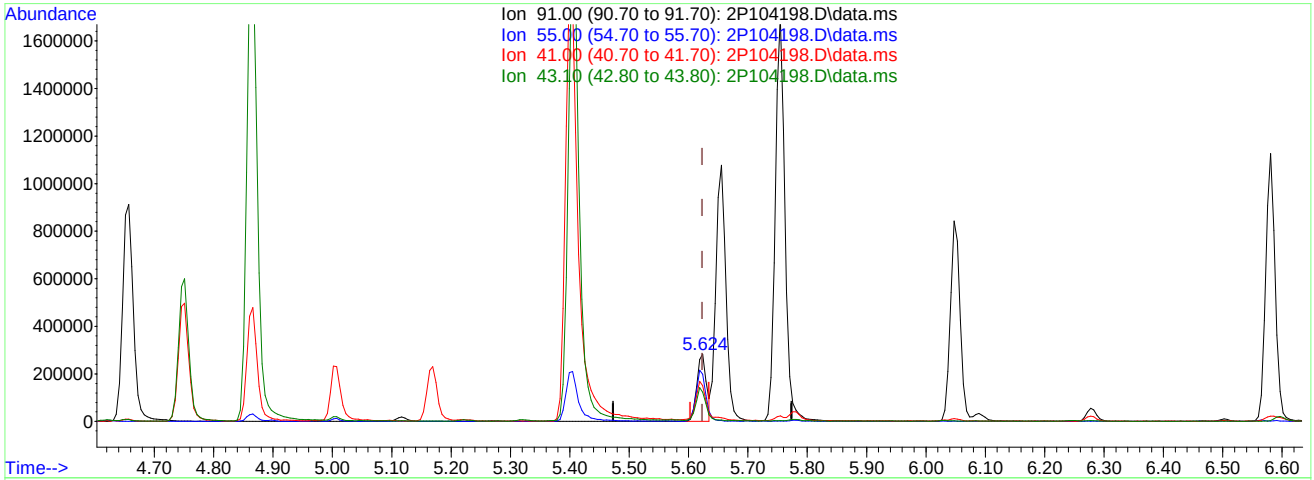
response 219626

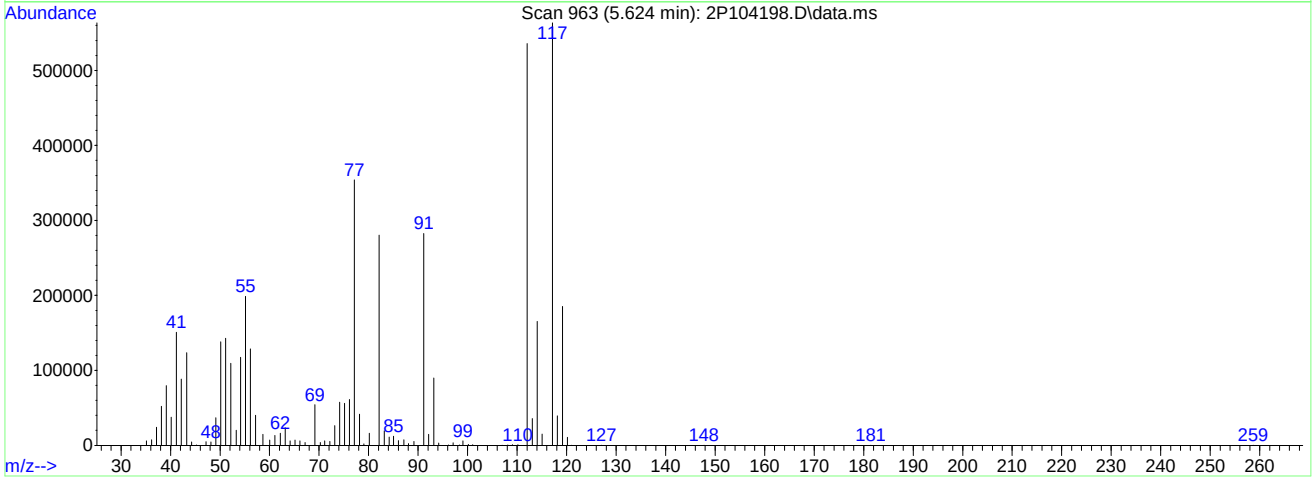
Ion	Exp%	Act%
91.00	100	100
55.00	69.80	67.95
41.00	54.20	49.46
43.10	46.40	40.62

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104198.D
Acq On : 7 Feb 2024 2:40 pm
Operator : LIANAT
Sample : ICV3959-5 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 07 14:51:44 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Feb 07 14:23:22 2024
Response via : Initial Calibration





TIC: 2P104198.D\data.ms

(76) 1-Chlorohexane

5.624min (+0.000) 34.78ug/L m

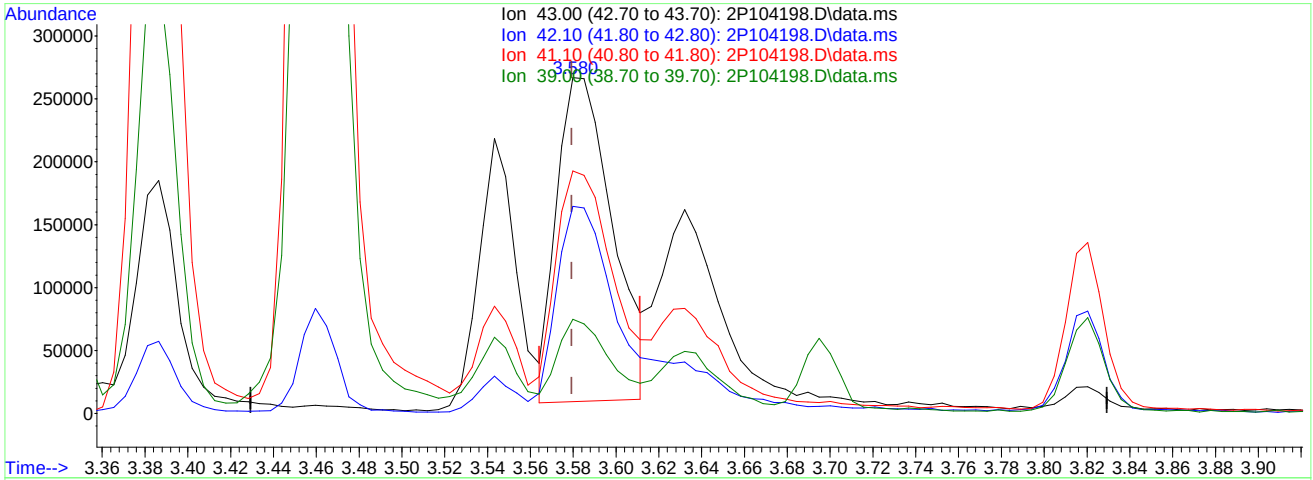
response 318194

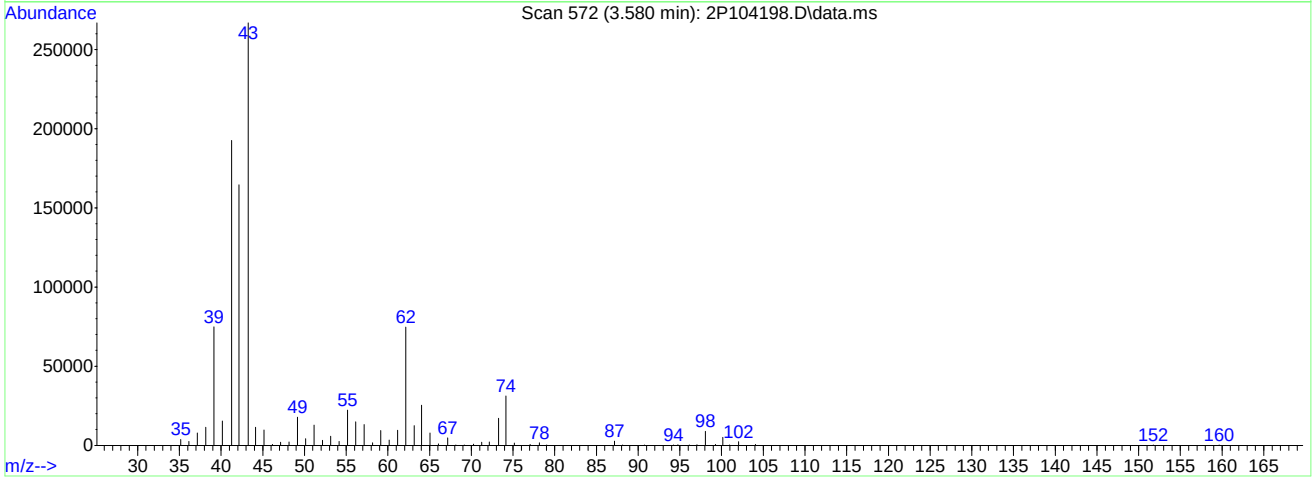
Ion	Exp%	Act%
91.00	100	100
55.00	69.80	70.29
41.00	54.20	53.40
43.10	46.40	43.69

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104198.D
Acq On : 7 Feb 2024 2:40 pm
Operator : LIANAT
Sample : ICV3959-5 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 13 10:27:38 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Feb 13 10:27:22 2024
Response via : Initial Calibration





TIC: 2P104198.D\data.ms

(50) Isobutyl alcohol

3.580min (+0.000) 756.59ug/L m

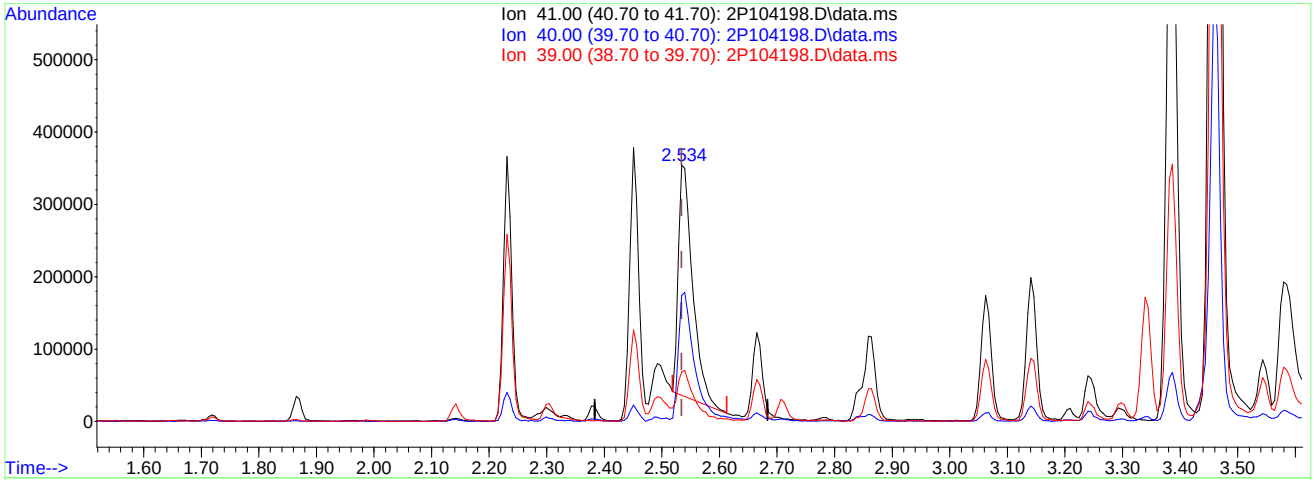
response 466134

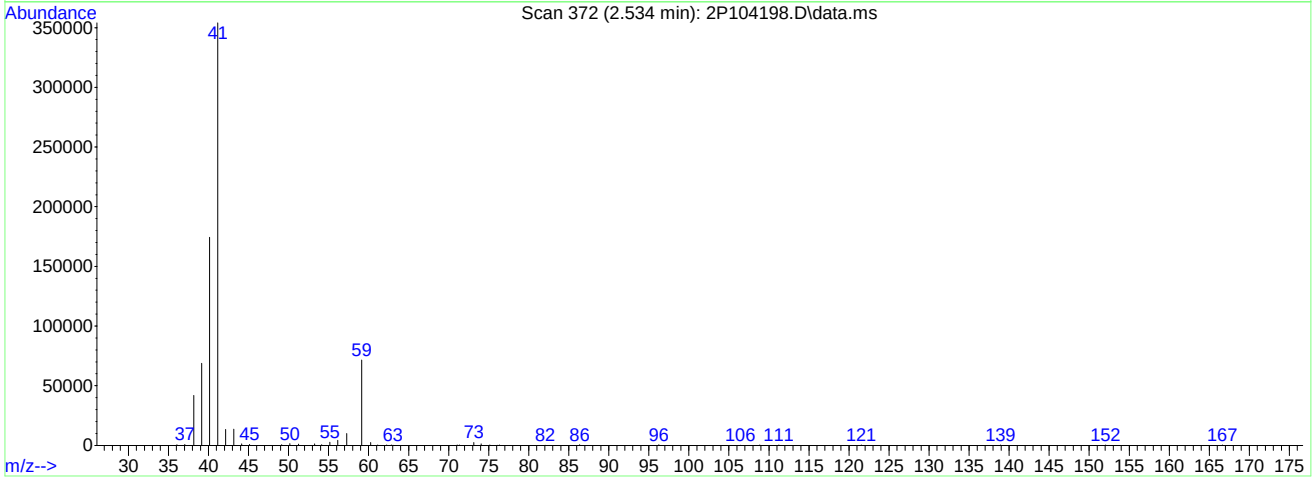
Ion	Exp%	Act%
43.00	100	100
42.10	56.80	61.65
41.10	71.50	72.18
39.00	27.50	28.06

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104198.D
Acq On : 7 Feb 2024 2:40 pm
Operator : LIANAT
Sample : ICV3959-5 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 13 10:27:38 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Feb 13 10:27:22 2024
Response via : Initial Calibration





TIC: 2P104198.D\data.ms

(25) Acetonitrile

2.534min (+0.000) 341.82ug/L

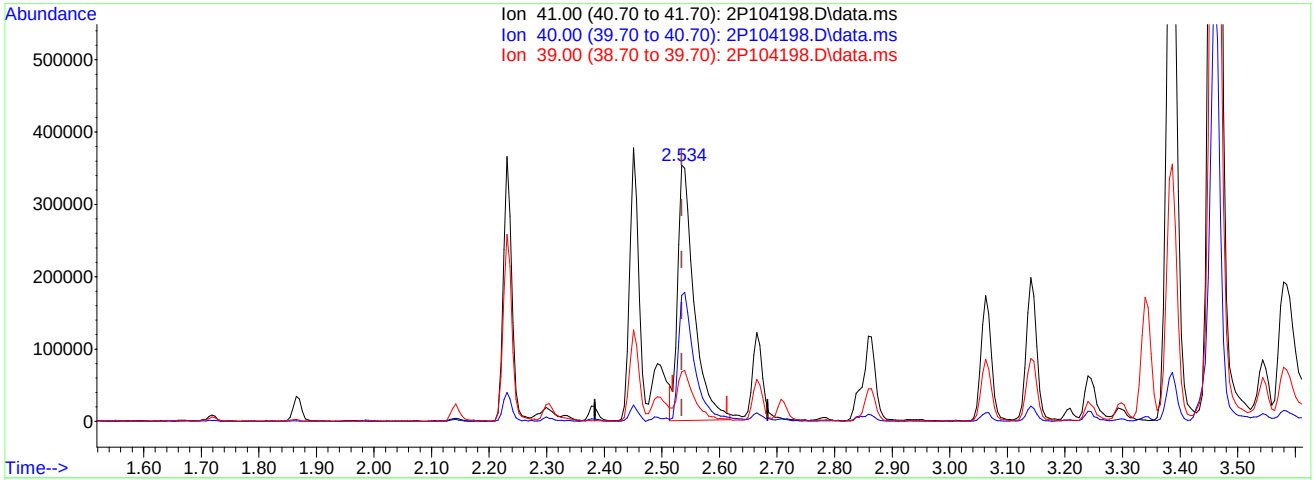
response 547629

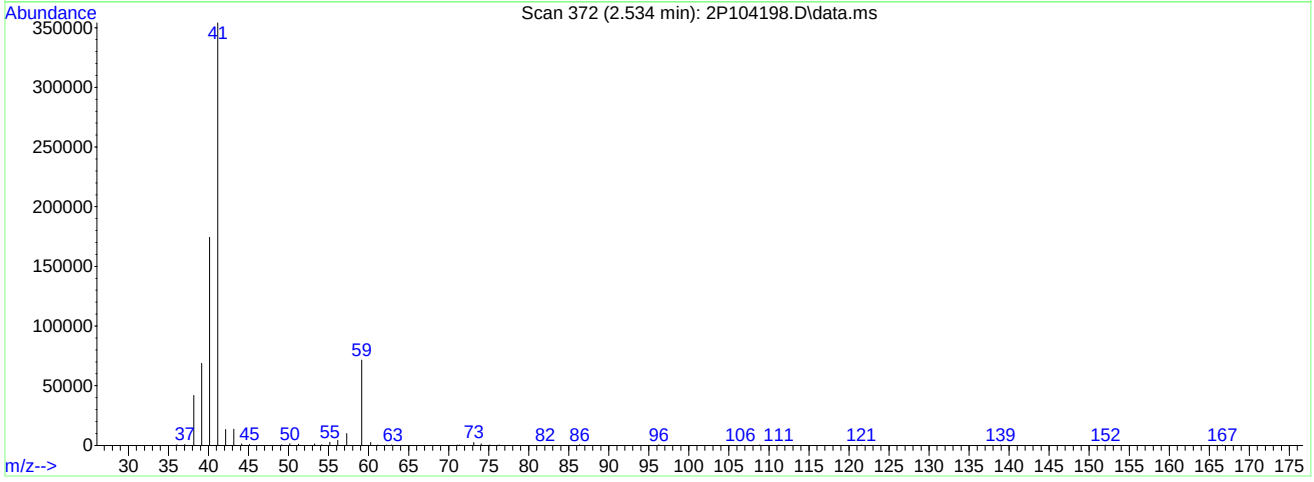
Ion	Exp%	Act%
41.00	100	100
40.00	49.30	49.44
39.00	20.00	19.03
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104198.D
Acq On : 7 Feb 2024 2:40 pm
Operator : LIANAT
Sample : ICV3959-5 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 13 10:27:38 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Feb 13 10:27:22 2024
Response via : Initial Calibration





TIC: 2P104198.D\data.ms

(25) Acetonitrile

2.534min (+0.000) 437.43ug/L m

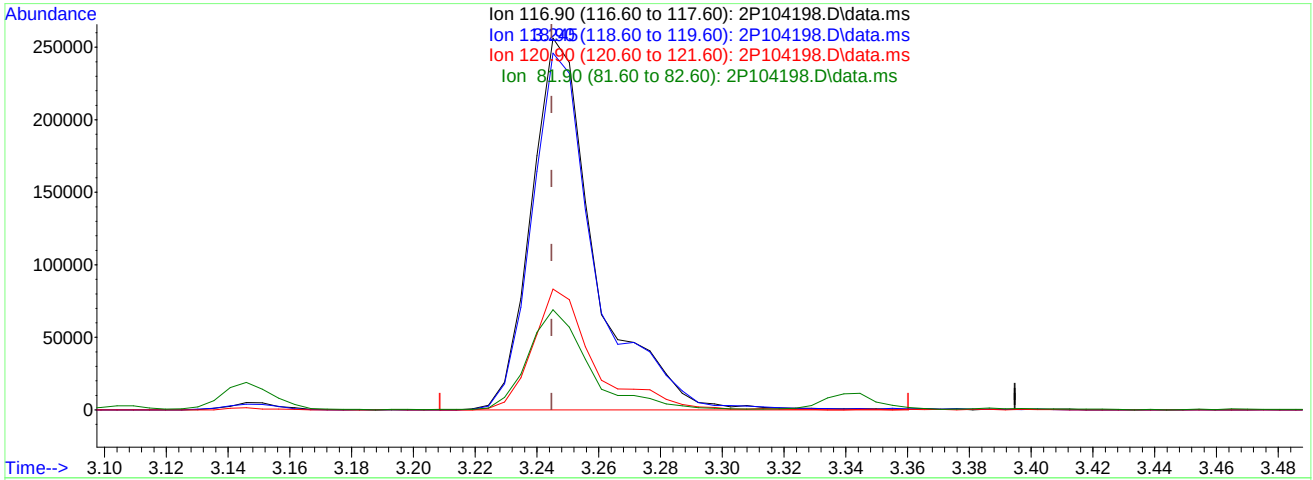
response 700809

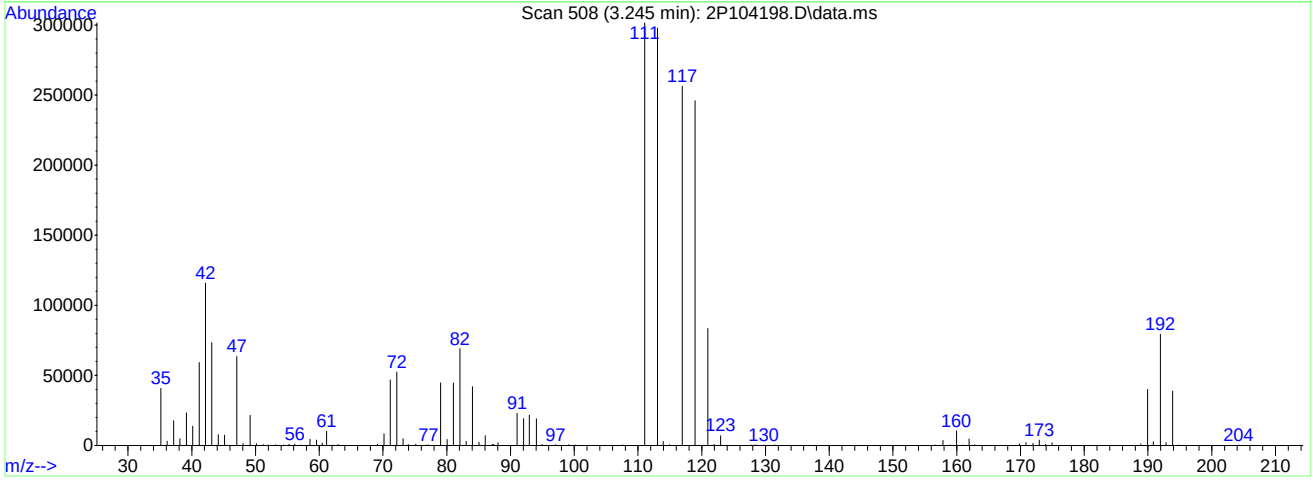
Ion	Exp%	Act%
41.00	100	100
40.00	49.30	49.25
39.00	20.00	19.43
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104198.D
Acq On : 7 Feb 2024 2:40 pm
Operator : LIANAT
Sample : ICV3959-5 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 13 10:27:38 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Feb 13 10:27:22 2024
Response via : Initial Calibration





TIC: 2P104198.D\data.ms

(40) Carbon Tetrachloride ( )

3.245min (+0.000) 45.25ug/L

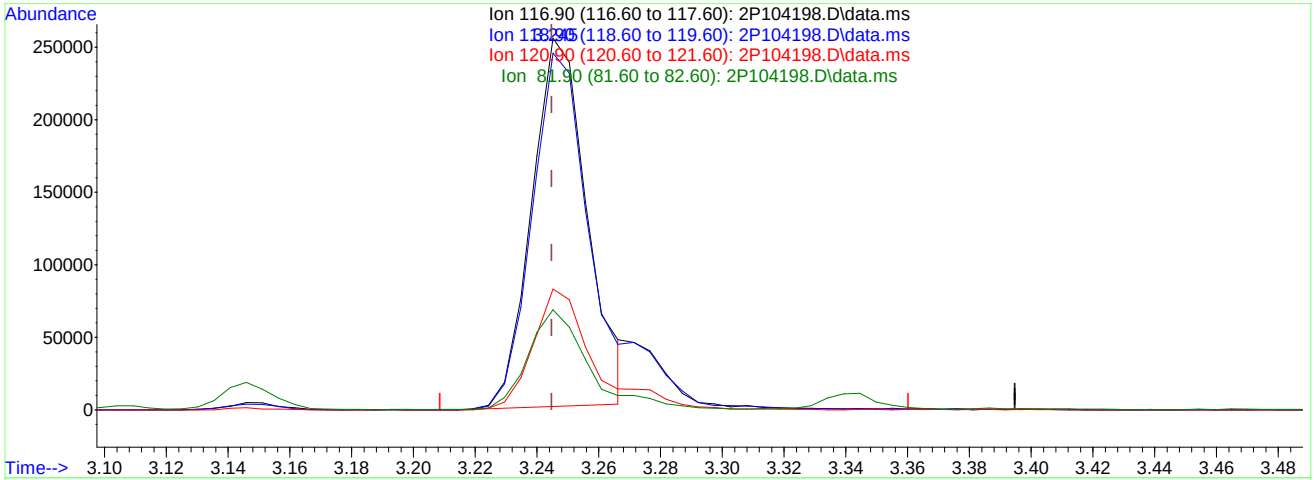
response 368972

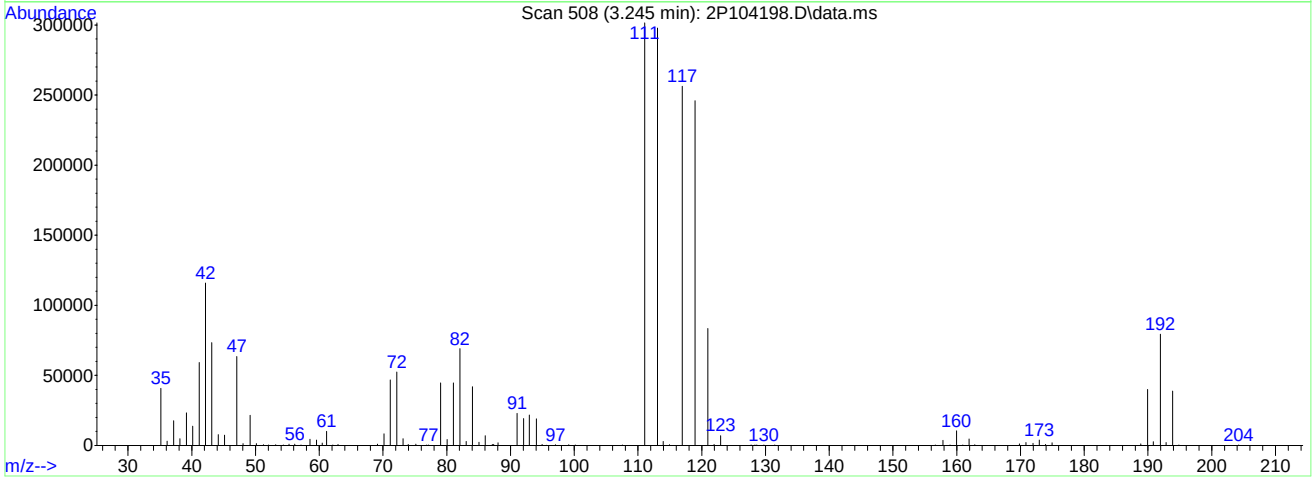
Ion	Exp%	Act%
116.90	100	100
118.90	94.60	96.03
120.90	32.10	32.53
81.90	24.90	26.83

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104198.D
Acq On : 7 Feb 2024 2:40 pm
Operator : LIANAT
Sample : ICV3959-5 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 13 10:27:38 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Feb 13 10:27:22 2024
Response via : Initial Calibration





TIC: 2P104198.D\data.ms

(40) Carbon Tetrachloride ( )

3.245min (+0.000) 38.81ug/L m

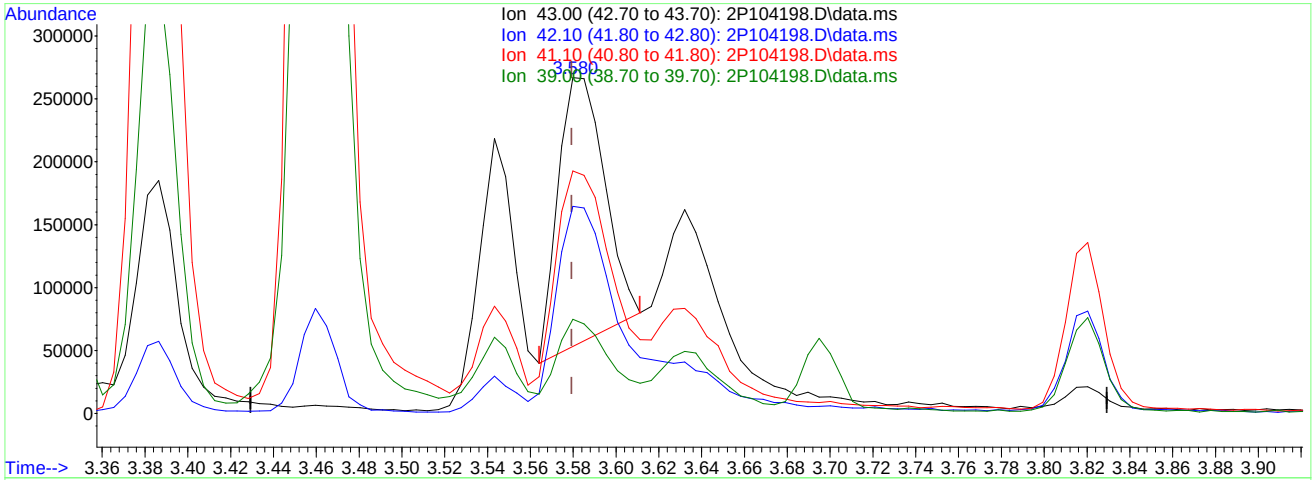
response 316458

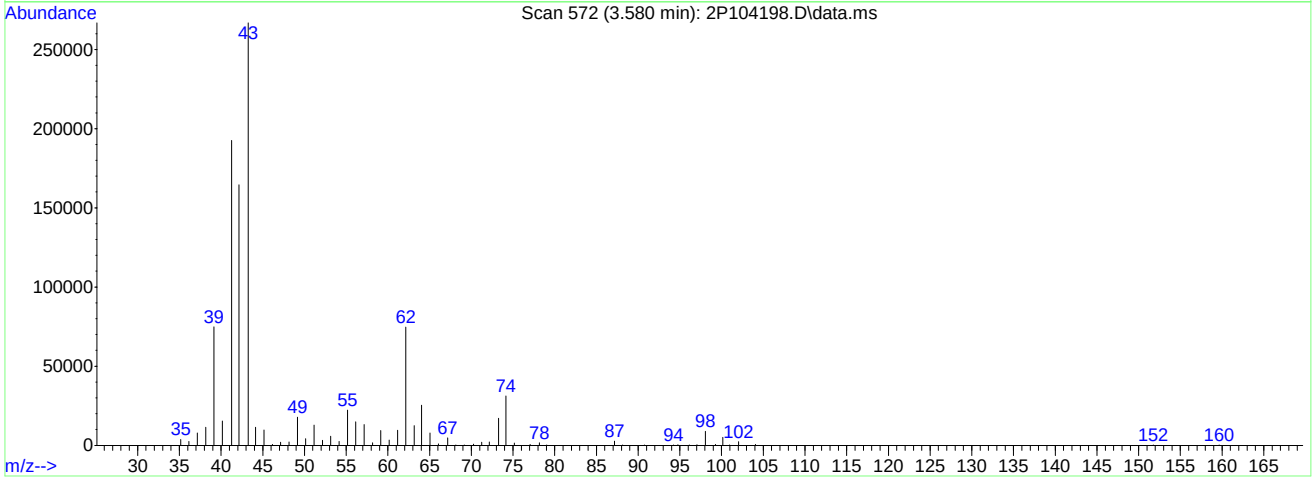
Ion	Exp%	Act%
116.90	100	100
118.90	94.60	96.03
120.90	32.10	32.53
81.90	24.90	26.95

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104198.D
Acq On : 7 Feb 2024 2:40 pm
Operator : LIANAT
Sample : ICV3959-5 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 13 10:27:38 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Feb 13 10:27:22 2024
Response via : Initial Calibration





TIC: 2P104198.D\data.ms

(50) Isobutyl alcohol

3.580min (+0.000) 526.79ug/L

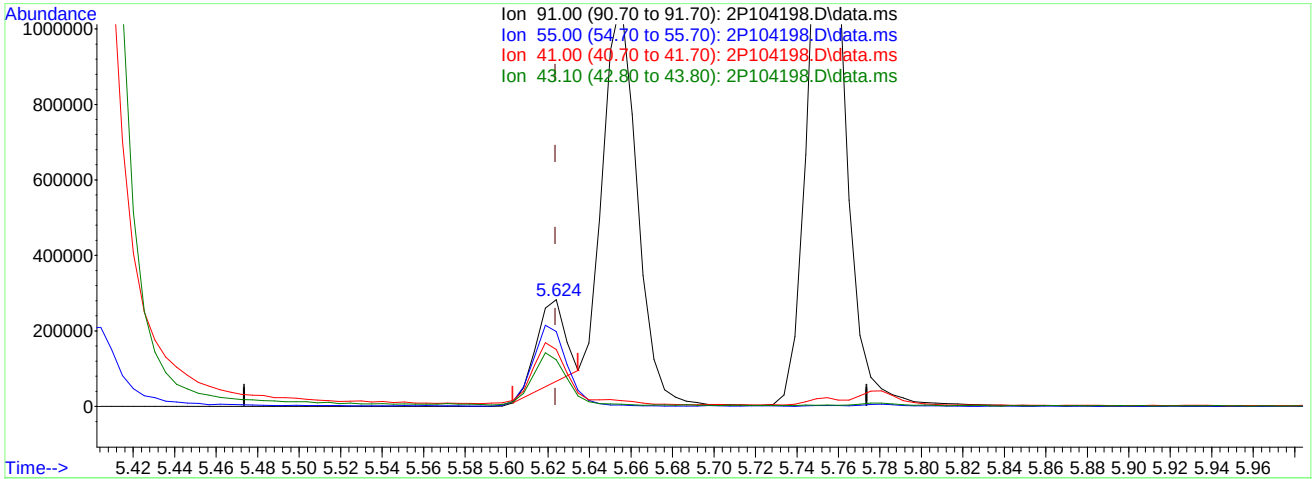
response 324555

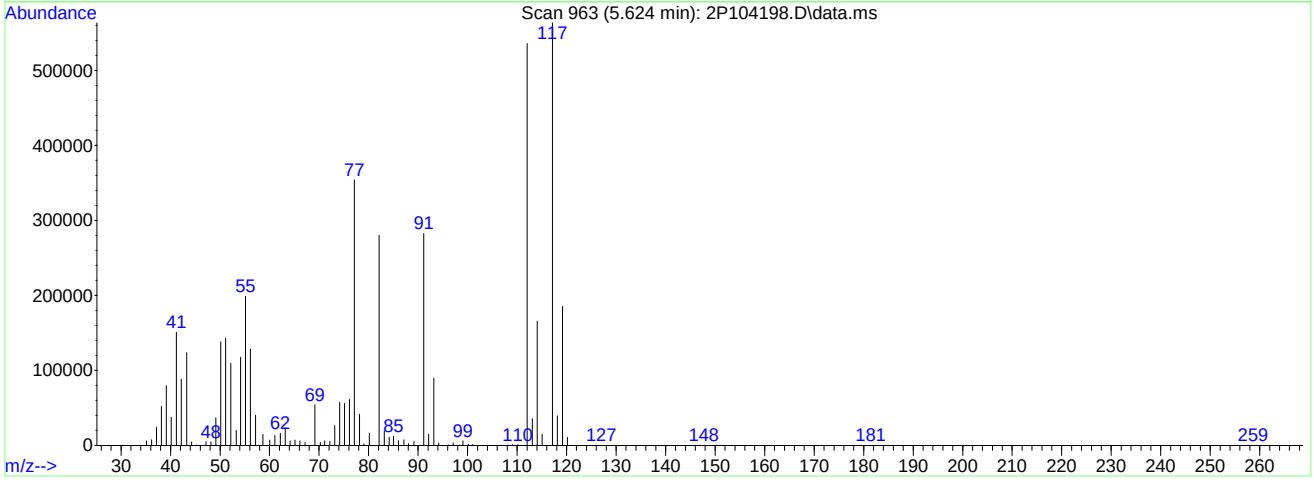
Ion	Exp%	Act%
43.00	100	100
42.10	56.80	65.46
41.10	71.50	72.01
39.00	27.50	26.25

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104198.D
Acq On : 7 Feb 2024 2:40 pm
Operator : LIANAT
Sample : ICV3959-5 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 13 10:27:38 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Feb 13 10:27:22 2024
Response via : Initial Calibration





TIC: 2P104198.D\data.ms

(76) 1-Chlorohexane

5.624min (+0.000) 24.00ug/L

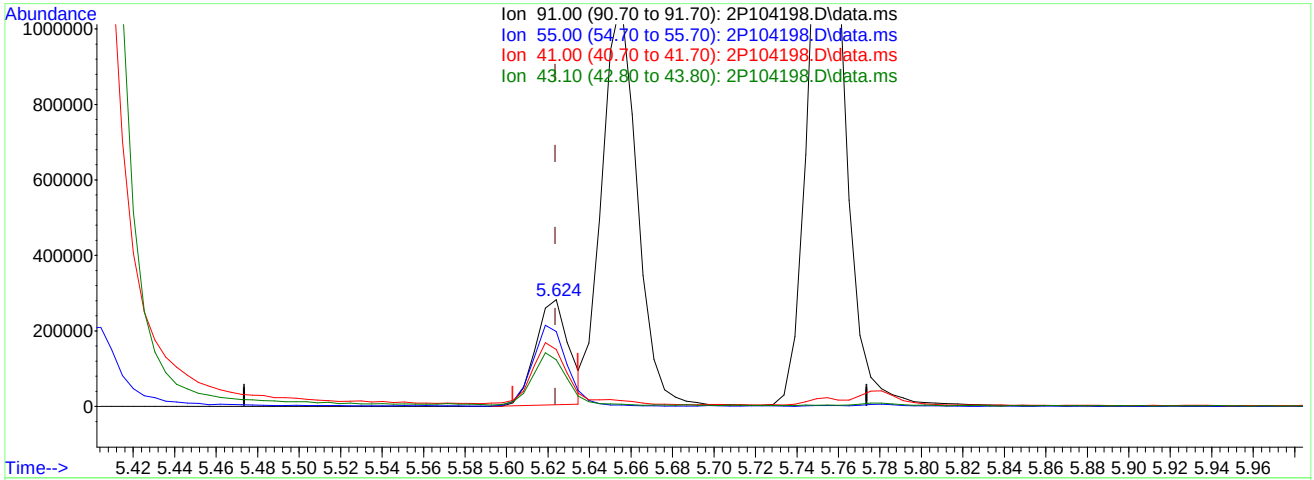
response 219626

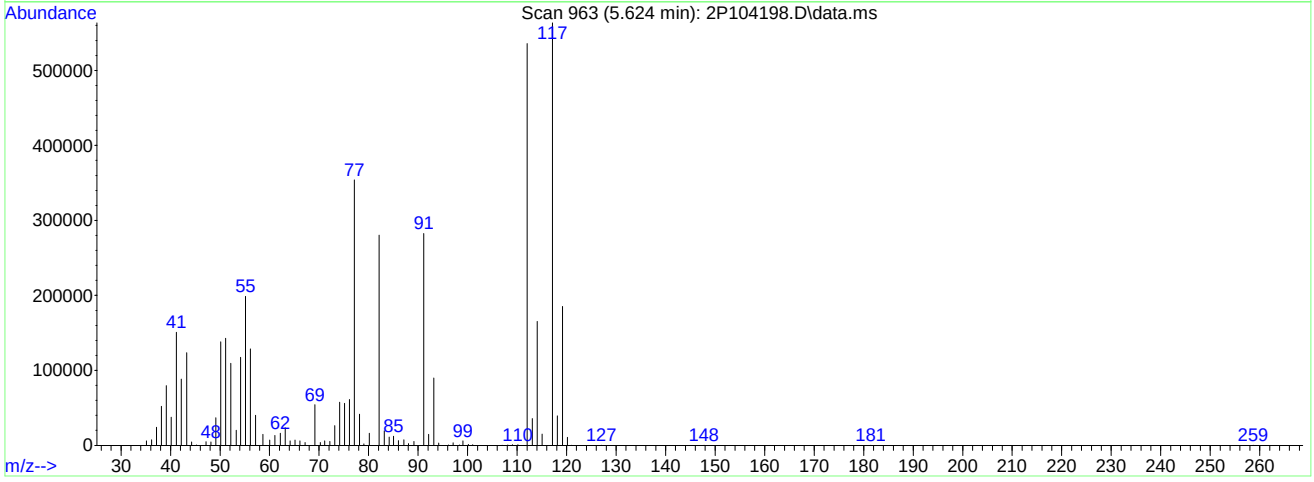
Ion	Exp%	Act%
91.00	100	100
55.00	69.80	67.95
41.00	54.20	49.46
43.10	46.40	40.62

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-02-07\
Data File : 2P104198.D
Acq On : 7 Feb 2024 2:40 pm
Operator : LIANAT
Sample : ICV3959-5 Inst : MSVOA13-P
Misc : MS55855,V2P3959,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 13 10:27:38 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Feb 13 10:27:22 2024
Response via : Initial Calibration





TIC: 2P104198.D\data.ms

(76) 1-Chlorohexane

5.624min (+0.000) 33.93ug/L m

response 310462

Ion	Exp%	Act%
91.00	100	100
55.00	69.80	70.29
41.00	54.20	53.40
43.10	46.40	43.69

FC14007

Manual Integrations APPROVED (compounds with "m" flag)
Neil Christiana 03/15/24 07:50

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2024-3-14\
Data File : 2P104765.D
Acq On : 14 Mar 2024 8:57 am
Operator : lianatr
Sample : CC3959-5 Inst : MSVOA13-P
Misc : MS56090,V2P3991,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 14 09:11:21 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Feb 13 10:27:22 2024
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	3.699	96	1546075	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.618	117	1069629	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.306	152	516404	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.244	113	332168	49.12	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.24%			
49) 1,2-Dichloroethane-d4	3.527	65	433787	51.60	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 103.20%			
63) Toluene-d8	4.625	98	1525617	51.47	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 102.94%			
86) 4-Bromofluorobenzene	6.470	174	418340	46.49	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 92.98%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.122	85	219591	40.30	ug/L	98
3) Chloromethane	1.242	50	262694	42.32	ug/L	99
4) 1,3-butadiene	1.315	39	289880	38.42	ug/L	91
5) Vinyl Chloride	1.299	62	281452	40.25	ug/L	99
6) Bromomethane	1.503	94	134519	39.88	ug/L	99
7) Chloroethane	1.571	64	95634	48.59	ug/L	97
8) Trichlorofluoromethane	1.665	101	400725	40.84	ug/L	98
9) Ethyl Ether	1.869	59	254697	43.08	ug/L	96
10) Ethanol	1.979	45	124638	900.33	ug/L	79
11) 1,2-Dichlorotrifluoroe...	1.963	67	290899	45.82	ug/L	96
12) 1,1-Dichloroethene	1.969	61	381738	44.51	ug/L	98
13) Freon 113	2.000	101	227179	41.61	ug/L	91
14) Carbon Disulfide	1.990	76	751064	46.49	ug/L	99
15) Iodomethane	2.047	142	218200	42.01	ug/L	97
16) Acrolein	2.141	56	425422	220.28	ug/L	97
17) Allyl chloride	2.230	41	399544	46.59	ug/L	97
18) Methylene Chloride	2.288	49	367133	47.85	ug/L	99
19) Acetone	2.303	43	871067	264.62	ug/L	98
20) Methyl acetate	2.382	43	1923713	231.53	ug/L	99
21) trans-1,2-Dichloroethene	2.387	61	365549	42.93	ug/L	95
22) Hexane	2.450	56	212064	44.53	ug/L	95
23) Methyl Tert Butyl Ether	2.455	73	858338	42.96	ug/L	95
24) Tert Butyl Alcohol	2.497	59	843352	432.89	ug/L	95
25) Acetonitrile	2.539	41	698095m	465.61	ug/L	
26) Di-isopropyl ether	2.664	45	930380	45.00	ug/L	96
27) Chloroprene	2.711	53	1378469	50.03	ug/L	96
28) 1,1-Dichloroethane	2.711	63	489548	41.41	ug/L	98
29) Acrylonitrile	2.711	52	899475	257.34	ug/L	95
30) ETBE	2.863	59	899552	43.44	ug/L	97
31) Vinyl acetate	2.842	43	3838819	229.44	ug/L	98
32) cis-1,2-Dichloroethene	3.004	96	269776	40.02	ug/L	92
33) 2,2-Dichloropropane	3.067	77	363134	43.38	ug/L	97
34) Bromochloromethane	3.108	128	116253	39.16	ug/L	90
35) Cyclohexane	3.140	56	500607	47.76	ug/L	97
36) Chloroform	3.145	83	463179	41.68	ug/L	99
37) Ethyl acetate	3.208	43	2549887	233.33	ug/L	98
38) Tetrahydrofuran	3.244	42	193618	48.16	ug/L	95
40) Carbon Tetrachloride	3.244	117	317360m	41.59	ug/L	
41) 1,1,1-Trichloroethane	3.270	97	380851	41.50	ug/L	97
42) 2-Butanone	3.297	43	1381062	256.39	ug/L	98
43) 1,1-Dichloropropene	3.344	75	343548	43.99	ug/L	93
44) tert-Butyl formate	3.385	59	1191086	213.91	ug/L	98
45) Propionitrile	3.438	54	757498	453.03	ug/L	97
46) Methacrylonitrile	3.459	41	2801277	495.91	ug/L	100
47) Benzene	3.469	78	1125983	42.34	ug/L	90
48) TAME	3.542	73	824613	43.18	ug/L	96
50) Isobutyl alcohol	3.584	43	504000m	874.13	ug/L	
51) 1,2-Dichloroethane	3.568	62	370104	41.49	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2024-3-14\
Data File : 2P104765.D
Acq On : 14 Mar 2024 8:57 am
Operator : lianatr
Sample : CC3959-5 Inst : MSVOA13-P
Misc : MS56090,V2P3991,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 14 09:11:21 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Feb 13 10:27:22 2024
Response via : Initial Calibration

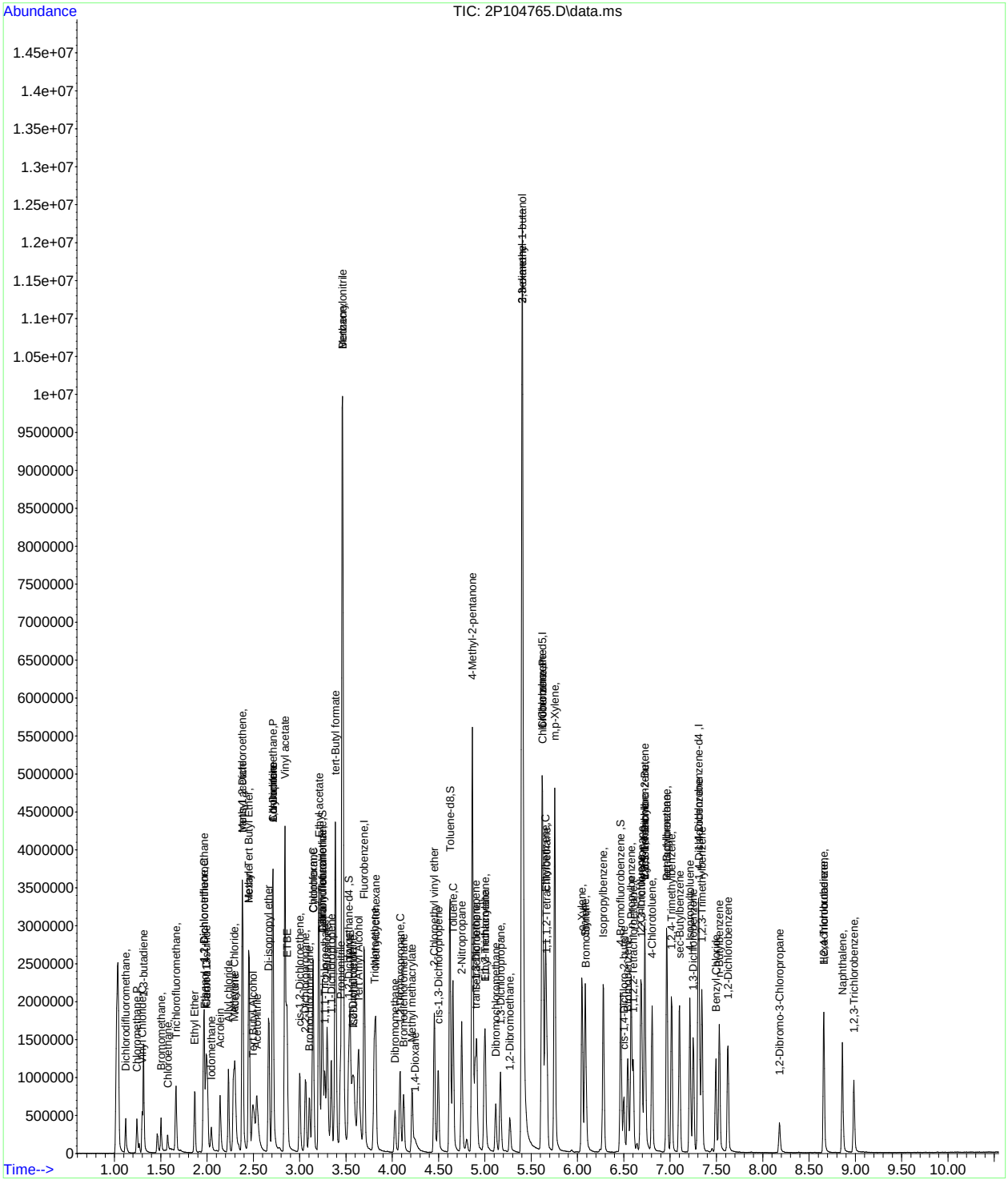
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) Tert Amyl Alcohol	3.636	59	711432	474.13	ug/L		97
53) Trichloroethene	3.804	95	258070	40.74	ug/L		93
54) Methylcyclohexane	3.819	83	417498	44.83	ug/L		97
55) Dibromomethane	4.029	93	142024	40.85	ug/L		87
56) 1,2-Dichloropropane	4.086	63	265953	44.03	ug/L		96
57) Bromodichloromethane	4.123	83	326290	45.10	ug/L		96
58) Methyl methacrylate	4.211	41	310176	44.32	ug/L		96
59) 1,4-Dioxane	4.248	88	124063	857.70	ug/L		94
60) 2-Chloroethyl vinyl ether	4.452	63	540649	159.94	ug/L		95
61) cis-1,3-Dichloropropene	4.499	75	389445	41.97	ug/L		99
64) Toluene	4.656	91	1141568	41.36	ug/L		99
65) 2-Nitropropane	4.750	41	671112	224.63	ug/L		97
66) 4-Methyl-2-pentanone	4.865	43	2545784	225.11	ug/L		98
67) trans-1,3-Dichloropropene	4.896	75	371482	42.48	ug/L		94
68) Tetrachloroethene	4.912	166	256762	36.00	ug/L		92
69) Ethyl methacrylate	5.006	69	396044	42.52	ug/L		94
70) 1,1,2-Trichloroethane	4.996	83	203132	42.75	ug/L		97
71) Dibromochloromethane	5.116	129	216770	39.39	ug/L		98
72) 1,3-Dichloropropane	5.168	76	411684	42.33	ug/L		96
73) 1,2-Dibromoethane	5.268	107	240739	43.04	ug/L		94
74) 3,3-dimethyl-1-butanol	5.403	57	3849445	2026.90	ug/L		99
75) 2-hexanone	5.403	43	2665835	224.04	ug/L		93
76) 1-Chlorohexane	5.623	91	325331m	38.46	ug/L		
77) Ethylbenzene	5.654	91	1253658	43.06	ug/L		100
78) Chlorobenzene	5.628	112	693050	39.80	ug/L		99
79) 1,1,1,2-Tetrachloroethane	5.670	131	222309	41.54	ug/L		96
80) m,p-Xylene	5.754	91	1940369	86.45	ug/L		99
81) o-Xylene	6.047	91	969473	41.45	ug/L		98
82) Styrene	6.083	104	744088	41.24	ug/L		98
83) Bromoform	6.094	173	156480	36.26	ug/L		99
84) Isopropylbenzene	6.277	105	1133428	41.72	ug/L		99
87) cis-1,4-Dichloro-2-butene	6.501	53	126217	51.44	ug/L	#	89
88) n-Propylbenzene	6.580	91	1306723	44.71	ug/L		98
89) Bromobenzene	6.543	156	244168	38.33	ug/L		93
90) 1,1,2,2-Tetrachloroethane	6.601	83	380884	46.61	ug/L		96
91) 1,3,5-Trimethylbenzene	6.726	105	896880	44.25	ug/L		96
92) 2-Chlorotoluene	6.684	91	766751	44.80	ug/L		99
93) trans-1,4-Dichloro-2-B...	6.731	53	138065	48.55	ug/L		90
94) 1,2,3-Trichloropropane	6.695	110	122227	42.78	ug/L		98
95) Cyclohexanone	6.721	55	106123	233.07	ug/L		95
96) 4-Chlorotoluene	6.805	91	808579	44.52	ug/L		99
97) tert-Butylbenzene	6.961	91	476047	44.06	ug/L		98
99) 1,2,4-Trimethylbenzene	7.014	105	846899	43.42	ug/L		97
100) Pentachloroethane	6.967	167	134441	43.24	ug/L		95
101) sec-Butylbenzene	7.103	105	1024207	45.22	ug/L		97
102) 4-Isopropyltoluene	7.212	119	821690	44.49	ug/L		96
103) 1,3-Dichlorobenzene	7.249	146	449597	39.88	ug/L		95
104) 1,2,3-Trimethylbenzene	7.343	105	868272	43.38	ug/L		98
105) 1,4-Dichlorobenzene	7.317	146	469049	39.00	ug/L		98
106) n-Butylbenzene	7.531	92	381466	45.86	ug/L		93
107) Benzyl Chloride	7.495	126	124641	44.23	ug/L		96
108) 1,2-Dichlorobenzene	7.625	146	414882	39.82	ug/L		96
109) 1,2-Dibromo-3-Chloropr...	8.180	75	76325	41.45	ug/L		85
110) Hexachlorobutadiene	8.661	225	105780	38.61	ug/L		97
111) 1,2,4-Trichlorobenzene	8.661	180	226524	36.42	ug/L		95
112) Naphthalene	8.859	128	742485	36.16	ug/L		99
113) 1,2,3-Trichlorobenzene	8.985	180	198425	34.46	ug/L		95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2024-3-14\
Data File : 2P104765.D
Acq On : 14 Mar 2024 8:57 am
Operator : lianatr
Sample : CC3959-5 Inst : MSVOA13-P
Misc : MS56090,V2P3991,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 14 09:11:21 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Feb 13 10:27:22 2024
Response via : Initial Calibration



Manual Integration Approval Summary

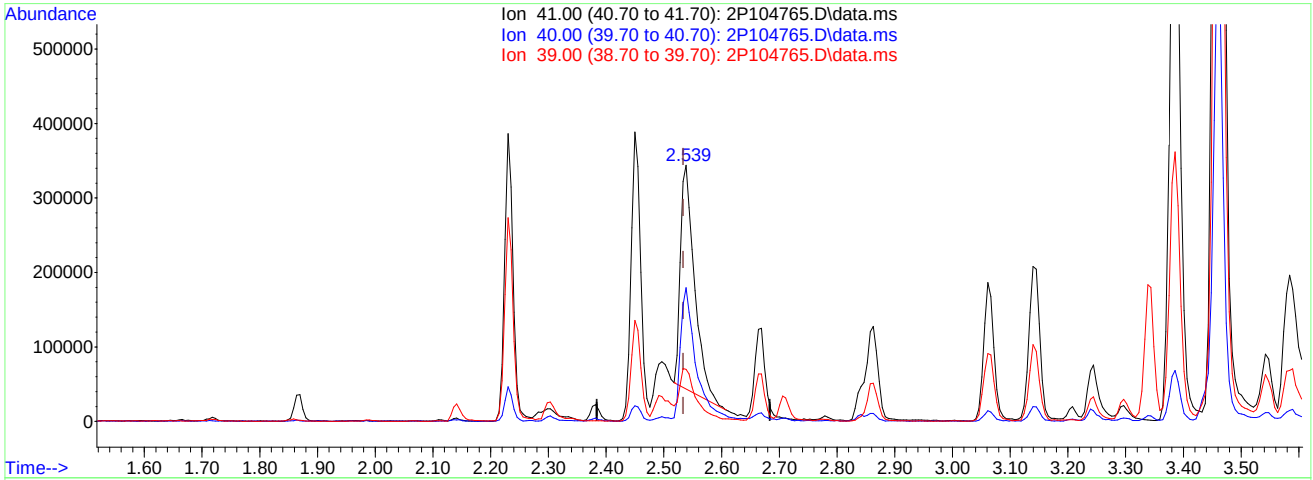
Sample Number: V2P3991-CC3959
Lab FileID: 2P104765.D
Injection Time: 03/14/24 08:57
Method: SW846 8260D
Analyst approved: 03/14/24 11:29 Liana Tortrodriguez
Supervisor approved: 03/15/24 07:50 Neil Christiana

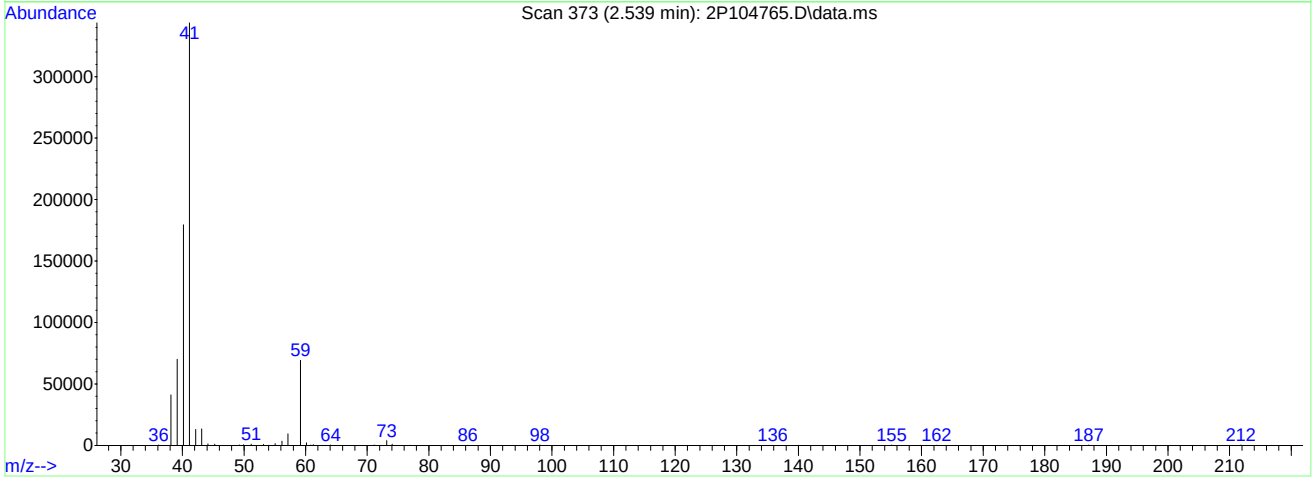
Parameter	CAS	Sig#	R.T. (min.)	Reason
Acetonitrile	75-05-8		2.54	Poor instrument integration
Carbon Tetrachloride	56-23-5		3.24	Overlapping peak
Isobutyl Alcohol	78-83-1		3.58	Poor instrument integration
1-Chlorohexane	544-10-5		5.62	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-3-14\
Data File : 2P104765.D
Acq On : 14 Mar 2024 8:57 am
Operator : lianatr
Sample : CC3959-5 Inst : MSVOA13-P
Misc : MS56090,V2P3991,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 14 09:10:32 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Feb 13 10:27:22 2024
Response via : Initial Calibration





TIC: 2P104765.D\data.ms

(25) Acetonitrile

2.539min (+0.005) 335.83ug/L

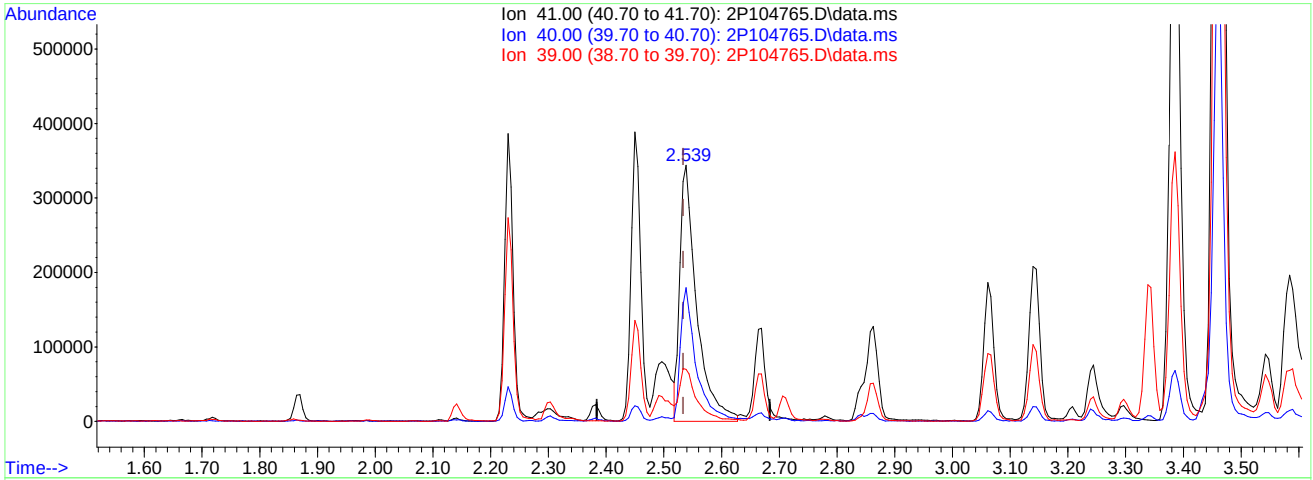
response 503512

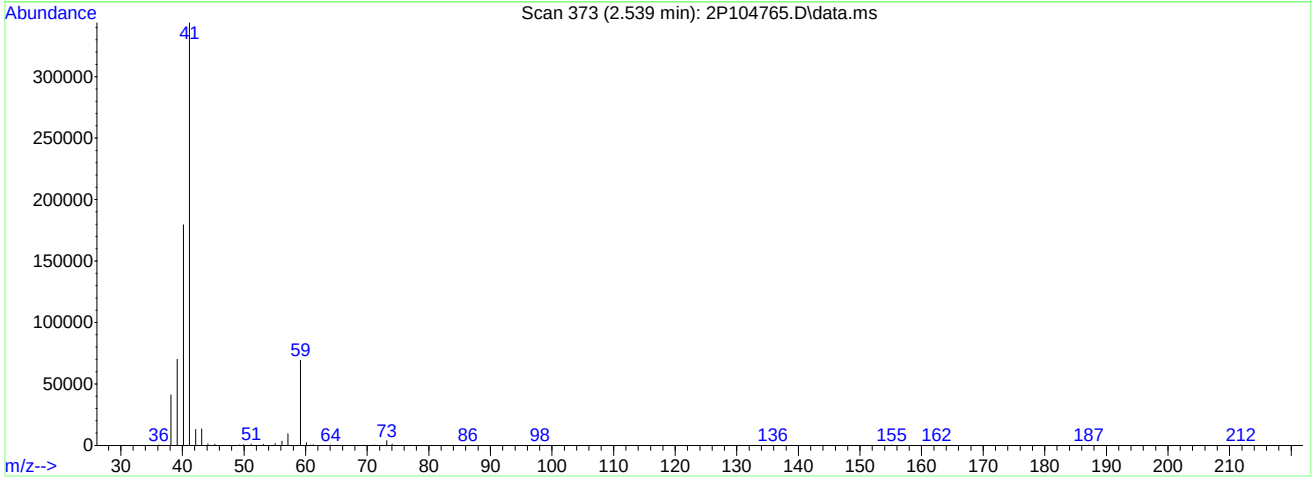
Ion	Exp%	Act%
41.00	100	100
40.00	49.30	53.15
39.00	20.00	20.30
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-3-14\
Data File : 2P104765.D
Acq On : 14 Mar 2024 8:57 am
Operator : lianatr
Sample : CC3959-5 Inst : MSVOA13-P
Misc : MS56090,V2P3991,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 14 09:10:32 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Feb 13 10:27:22 2024
Response via : Initial Calibration





TIC: 2P104765.D\data.ms

(25) Acetonitrile

2.539min (+0.005) 465.61ug/L m

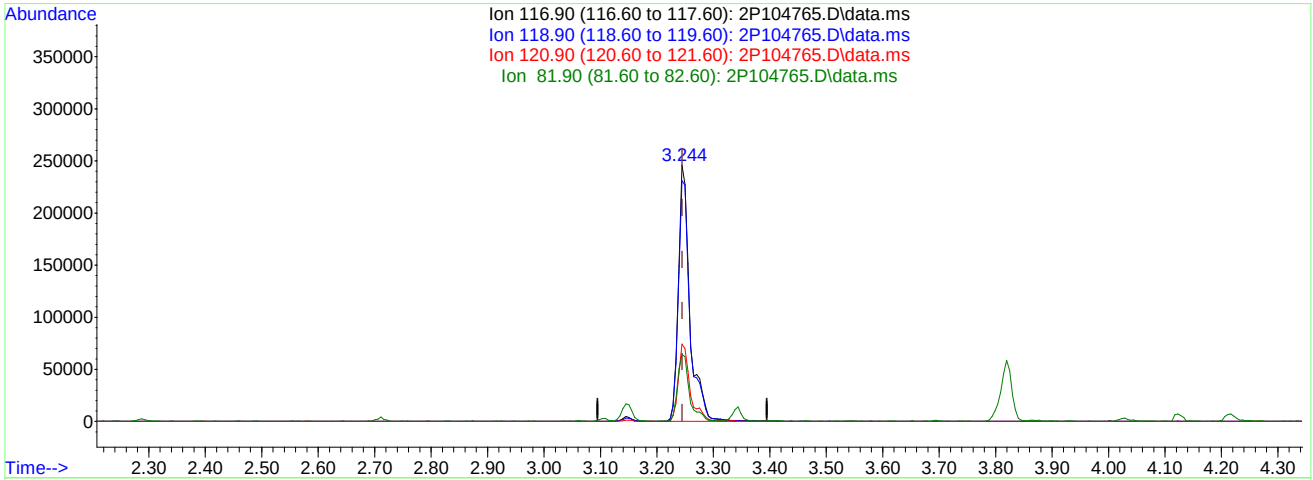
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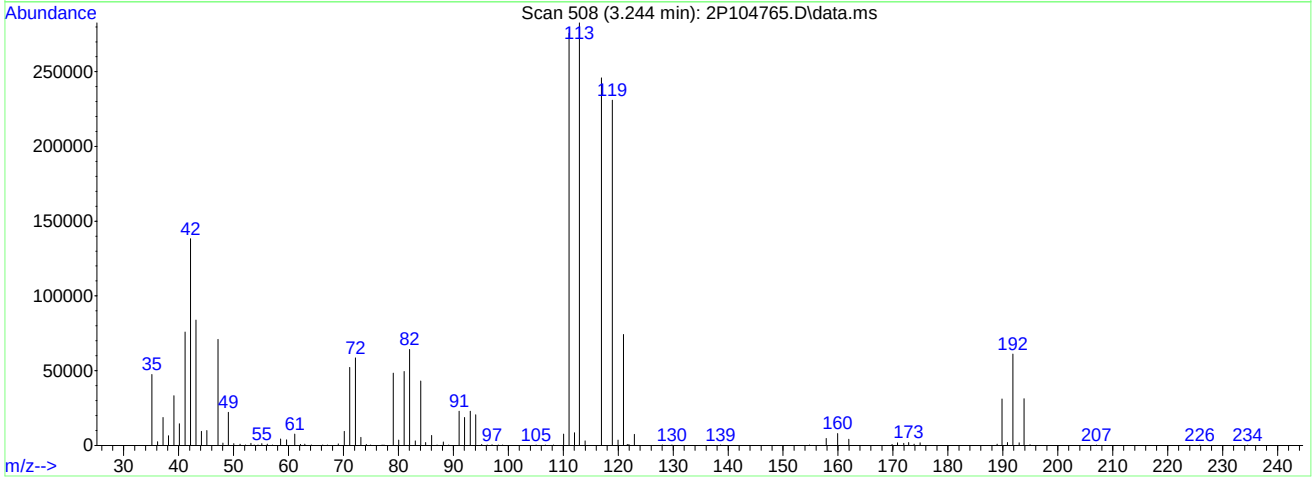
Ion	Exp%	Act%
41.00	100	100
40.00	49.30	52.17
39.00	20.00	20.38
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-3-14\
Data File : 2P104765.D
Acq On : 14 Mar 2024 8:57 am
Operator : lianatr
Sample : CC3959-5 Inst : MSVOA13-P
Misc : MS56090,V2P3991,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 14 09:10:32 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Feb 13 10:27:22 2024
Response via : Initial Calibration





TIC: 2P104765.D\data.ms

(40) Carbon Tetrachloride ( )

3.244min (-0.000) 45.83ug/L

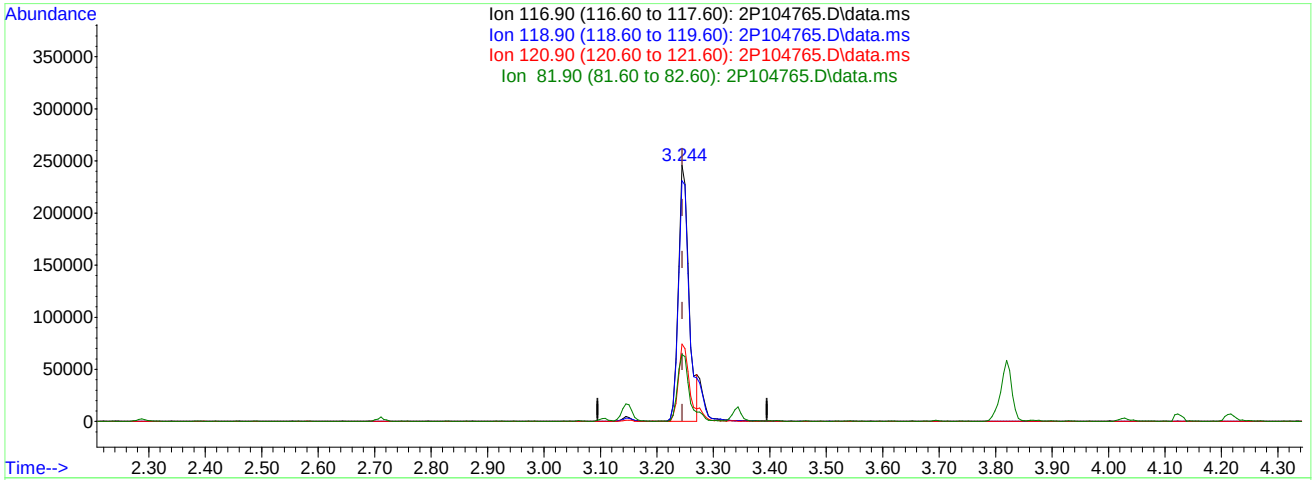
response 349735

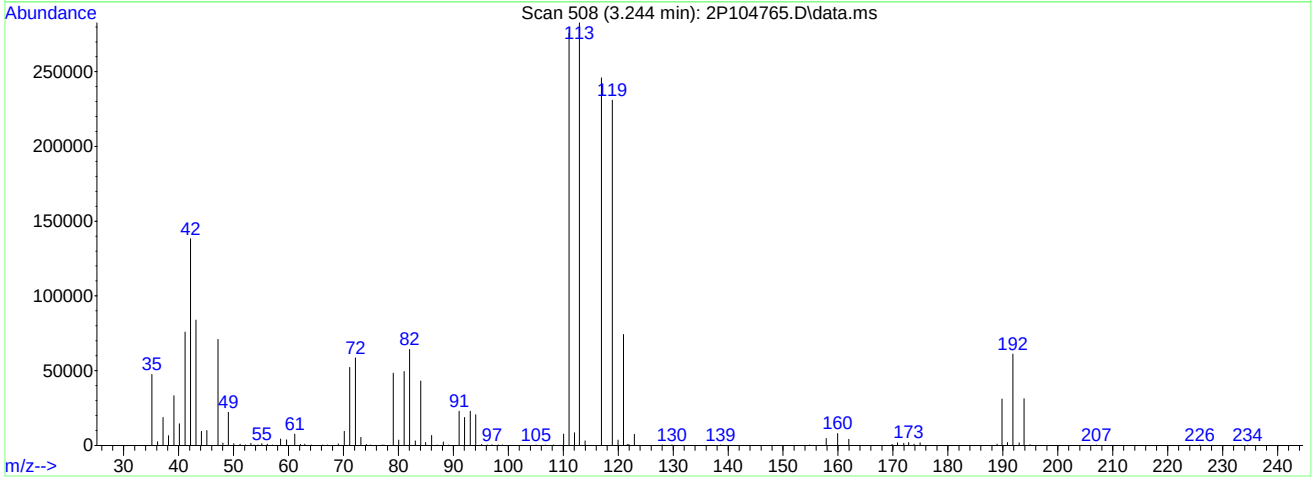
Ion	Exp%	Act%
116.90	100	100
118.90	94.60	93.93
120.90	32.10	30.19
81.90	24.90	25.97

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-3-14\
Data File : 2P104765.D
Acq On : 14 Mar 2024 8:57 am
Operator : lianatr
Sample : CC3959-5 Inst : MSVOA13-P
Misc : MS56090,V2P3991,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 14 09:10:32 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Feb 13 10:27:22 2024
Response via : Initial Calibration





TIC: 2P104765.D\data.ms

(40) Carbon Tetrachloride ( )

3.244min (-0.000) 41.59ug/L m

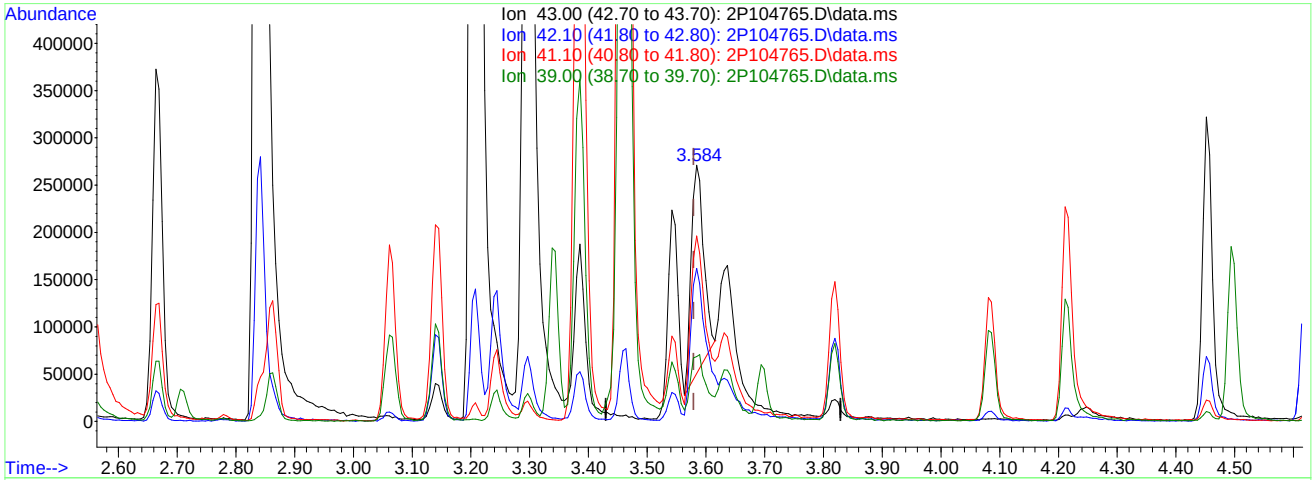
response 317360

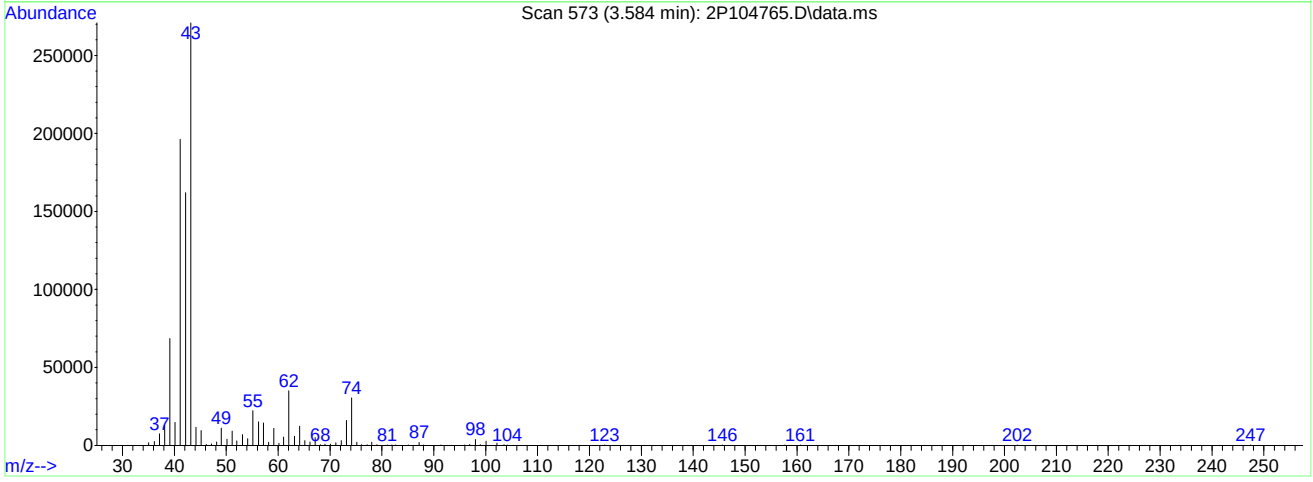
Ion	Exp%	Act%
116.90	100	100
118.90	94.60	93.93
120.90	32.10	30.19
81.90	24.90	26.09

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-3-14\
Data File : 2P104765.D
Acq On : 14 Mar 2024 8:57 am
Operator : lianatr
Sample : CC3959-5 Inst : MSVOA13-P
Misc : MS56090,V2P3991,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 14 09:10:32 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Feb 13 10:27:22 2024
Response via : Initial Calibration





TIC: 2P104765.D\data.ms

(50) Isobutyl alcohol

3.584min (+0.005) 572.28ug/L

response 329962

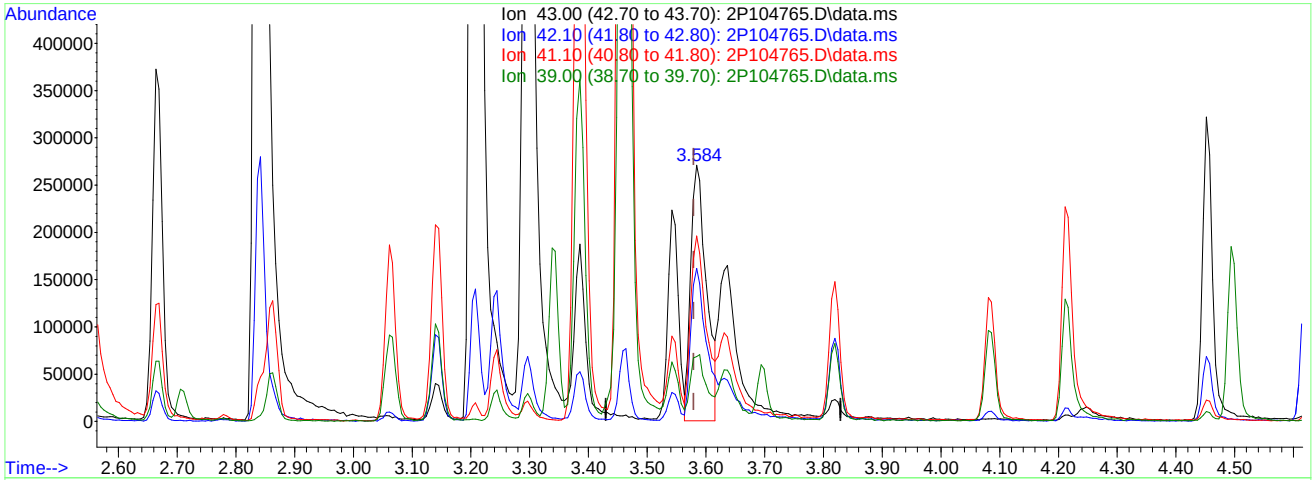
Ion	Exp%	Act%
43.00	100	100
42.10	56.80	63.78
41.10	71.50	73.24
39.00	27.50	23.25

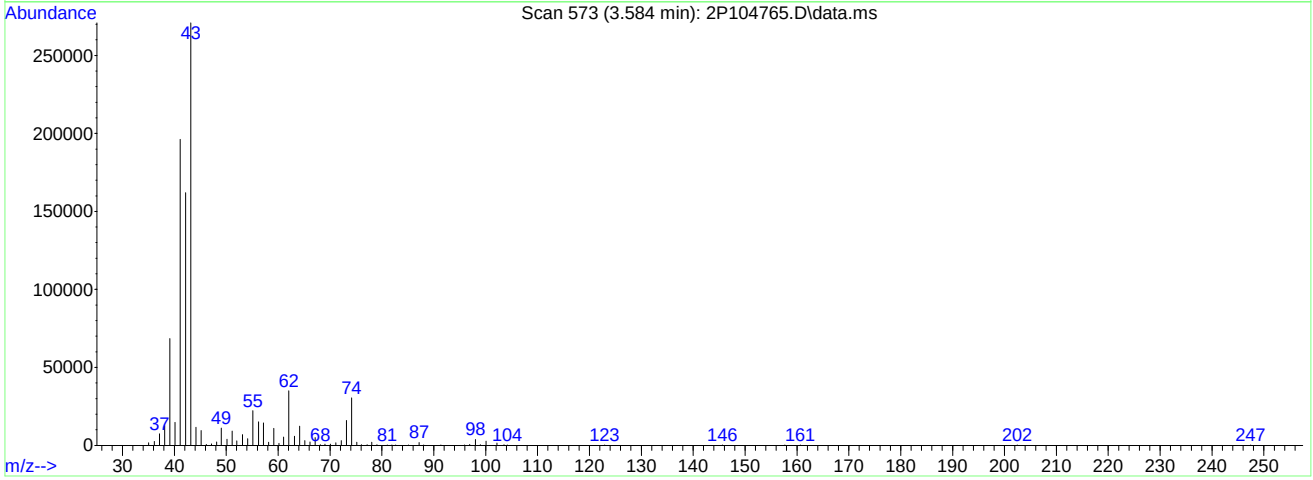
FC14007

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-3-14\
Data File : 2P104765.D
Acq On : 14 Mar 2024 8:57 am
Operator : lianatr
Sample : CC3959-5 Inst : MSVOA13-P
Misc : MS56090,V2P3991,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 14 09:10:32 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Feb 13 10:27:22 2024
Response via : Initial Calibration





TIC: 2P104765.D\data.ms

(50) Isobutyl alcohol

3.584min (+0.005) 874.13ug/L m

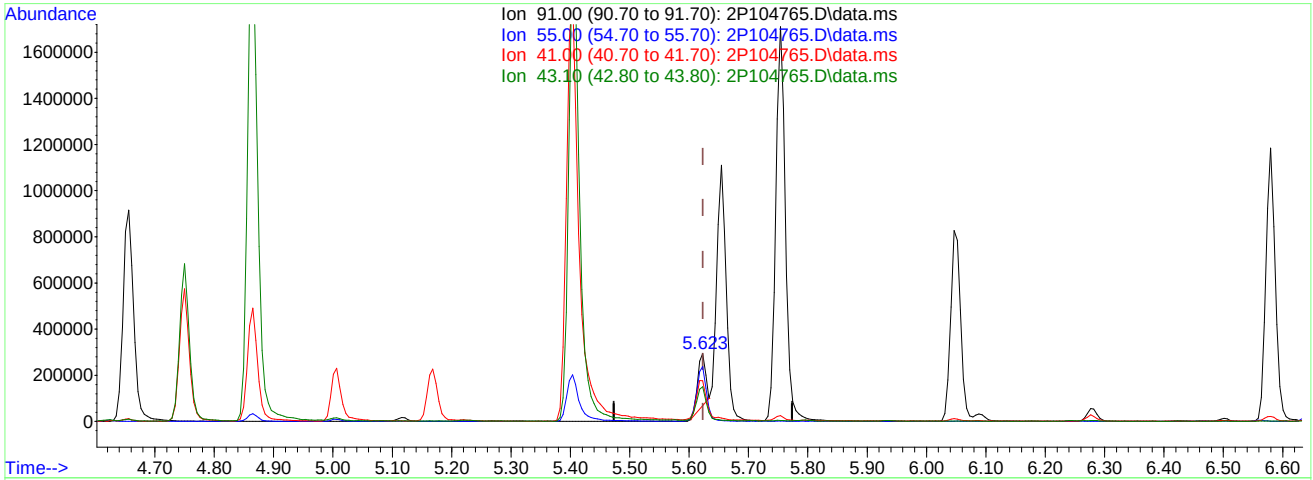
response 504000

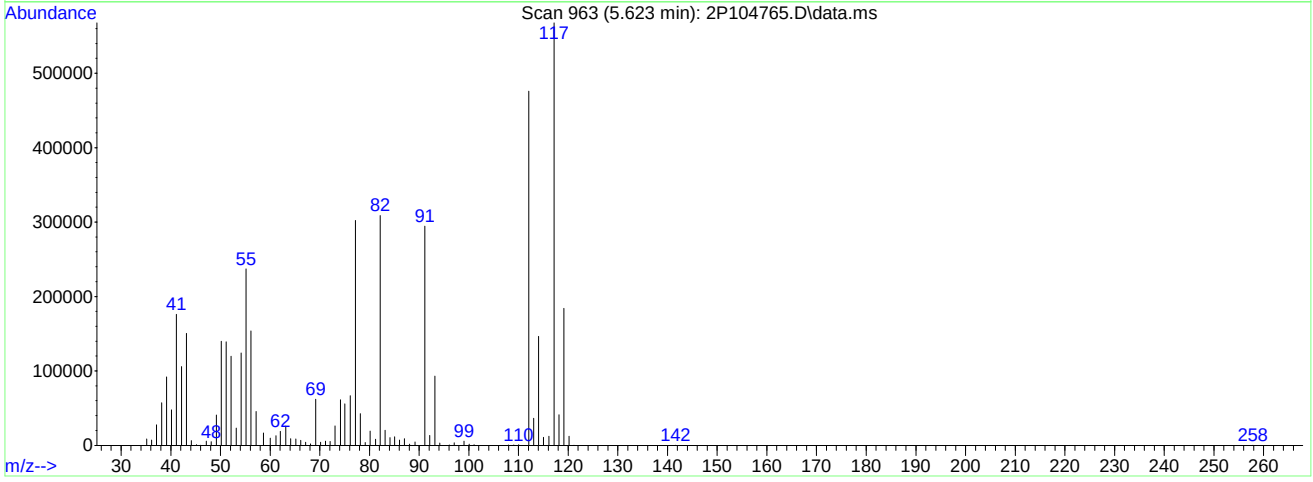
Ion	Exp%	Act%
43.00	100	100
42.10	56.80	59.78
41.10	71.50	72.44
39.00	27.50	25.29

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-3-14\
Data File : 2P104765.D
Acq On : 14 Mar 2024 8:57 am
Operator : lianatr
Sample : CC3959-5 Inst : MSVOA13-P
Misc : MS56090,V2P3991,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 14 09:10:32 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Feb 13 10:27:22 2024
Response via : Initial Calibration





TIC: 2P104765.D\data.ms

(76) 1-Chlorohexane

5.623min (-0.000) 26.42ug/L

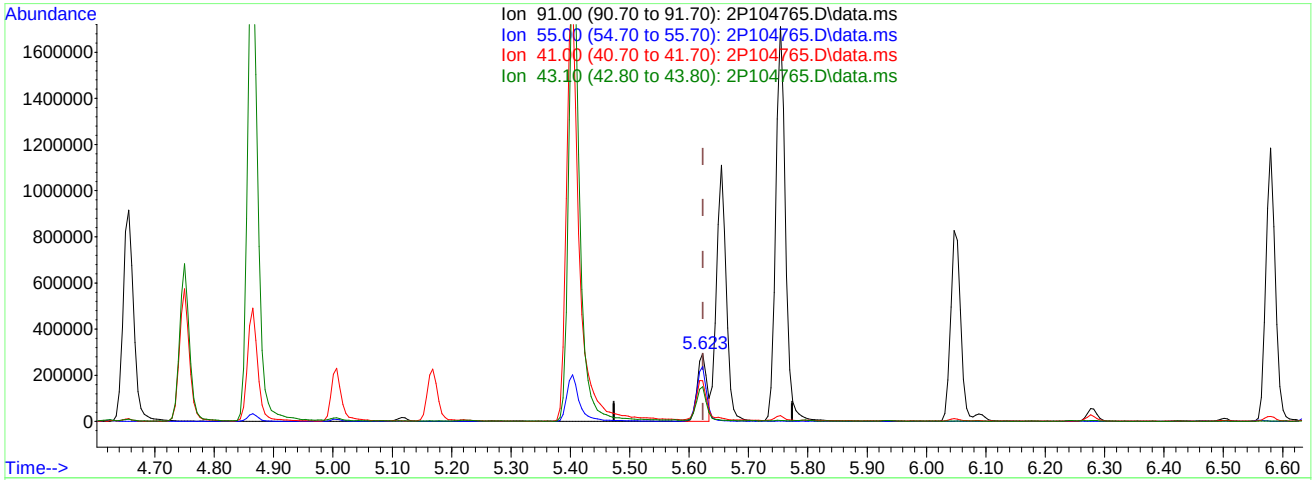
response 223461

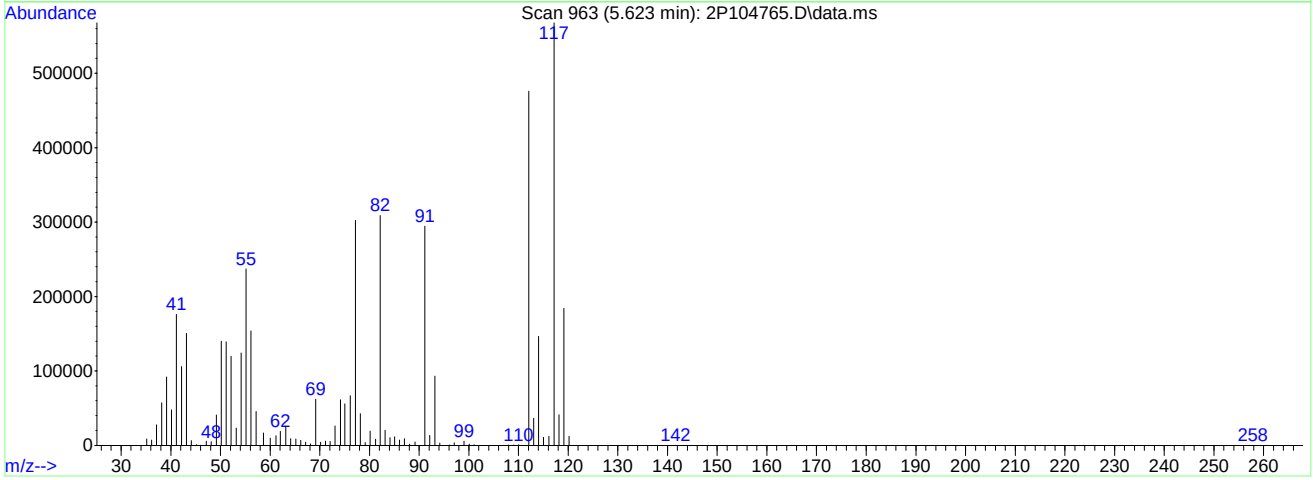
Ion	Exp%	Act%
91.00	100	100
55.00	69.80	78.81
41.00	54.20	56.02
43.10	46.40	48.70

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2024-3-14\
Data File : 2P104765.D
Acq On : 14 Mar 2024 8:57 am
Operator : lianatr
Sample : CC3959-5 Inst : MSVOA13-P
Misc : MS56090,V2P3991,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 14 09:10:32 2024
Quant Method : C:\msdchem\1\METHODS\V2P_2024-2-07.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Feb 13 10:27:22 2024
Response via : Initial Calibration





TIC: 2P104765.D\data.ms

(76) 1-Chlorohexane

5.623min (-0.000) 38.46ug/L m

response 325331

Ion	Exp%	Act%
91.00	100	100
55.00	69.80	80.47
41.00	54.20	59.72
43.10	46.40	51.03

SGS -ORLANDO **VOA-GCMS ANALYSIS LOG**

Instrument:	MSVOA12-2O
Date:	03/07/2024
Analyst:	Jenifer W
Column Type	RTXVMS
Detector	5975C-MSD
Purge Pressure	1.1 psi
Purge Volume	5mL

Method(s):	VMS8260
Method File:	V1O_03-07-2024.M
Calibration Date:	01/22/2024
Acq. Method:	RTXFAST.M
EM Voltage:	1624V
Run ID:	**V1O2972**

BFB:	VS3788
ICAL/CC:	VS3767, VS3768, VS3789
VS3765, VS3800, VS3790,VS3802,,	
ICV/BS:	VS3774, VS3797, VS3759
VS3775, VS3776, VS3803,	
ISTD/Surr.:	VS3788

pH Paper Lot#:	230320/206722
KI Paper Lot#:	14-860 5/9/2022
AFA Lot#:	VS3667
Data processed by:	Jenifer W
Sample ID Ver. by:	Jenifer W
Date Verified:	03/07/2024

Data File	Sample ID	Dilution Factor	Vial #	Matrix	A.S. Pos.	Work Group	pH	CI? (Y/N)	RR	Comments and Manually Integrated Peaks (Peak # and Rational)
1O82551	BFB	-	-	Water	1	-	-	-	-	Passed autofind✓
1O82552	IC2972-1	-	-	Water	2	-	-	-	-	1uL→100mL w/ 260uL MeOH OP#40 PBL#49,76 MP#59,94,105,107
1O82553	IC2972-8	-	-	Water	3	-	-	-	-	2uL→100mL w/ 260uL MeOH PBL#49,76 MP#15,105
1O82554	IC2972-2	-	-	Water	4	-	-	-	-	5uL→100mL w/245uL MeOH OP#40 PBL#49,76 MP#105
1O82555	IC2972-3	-	-	Water	5	-	-	-	-	5uL→50mL w/100uL MeOH OP#40 PBL#49,76
1O82556	IC2972-4	-	-	Water	6	-	-	-	-	12.5uL→100mL w/50uL MeOH PBL#49,76
1O82557	ICC2972-5	-	-	Water	7	-	-	-	-	40uL→100mL OP#40 PBL#49,76
1O82558	IC2972-6	-	-	Water	8	-	-	-	-	70uL→100mL OP#40 PBL#49,76
1O82559	IC2972-7	-	-	Water	9	-	-	-	-	100uL→100mL OP#40 PBL#49,76
1O82560	rinse	-	-	Water	10	-	-	-	-	
1O82561	ICV2942-5	-	-	Water	11	-	-	-	-	40uL→100mL OP#40 PBL#49,76
1O82562	ICV2942-4	-	-	Water	12	-	-	-	-	25uL→100mL OP#40 PBL#49,76

Matrix: Designate "W" for Water "S" for soil, "O" for Oil, "Liq" for Non-aquous Liquid, and "TCLP" or "SPLP" for Leachate
Manual Integration Rational SOP QA029: MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PII Poor Instrument

SGS -ORLANDO **VOA-GCMS ANALYSIS LOG**

Instrument:	MSVOA12-2O
Date:	03/14/2024
Analyst:	Jenifer W
Column Type	RTXVMS
Detector	5975C-MSD
Purge Pressure	1.1 psi
Purge Volume	5mL

Method(s):	VMS8260
Method File:	V1O_03-07-2024.M
Calibration Date:	01/22/2024
Acq. Method:	RTXFAST.M
EM Voltage:	1624V
Run ID:	**V1O2976**

BFB:	VS3788
ICAL/CC:	VS3767, VS3768, VS3789
VS3793, VS3800, VS3790,VS3821,,	
ICV/BS:	VS3814, VS3797, VS3806
VS3807, VS3808, VS3822,	
ISTD/Surr.:	VS3788

pH Paper Lot#:	230320/206722
KI Paper Lot#:	14-860 5/9/2022
AFA Lot#:	VS3667
Data processed by:	LotusA
Sample ID Ver. by:	Jenifer W
Date Verified:	03/14/2024

Data File	Sample ID	Dilution Factor	Vial #	Matrix	A.S. Pos.	Work Group	pH	CI? (Y/N)	RR	Comments and Manually Integrated Peaks (Peak # and Rational)
1O82621	BFB	-	-	Water	1	-	-	-	-	Passed autofind✓
1O82622	CC2972-4	-	-	Water	2	-	-	-	-	25uL→100mL W/ 105uL MeOH OP#40 PBL#49,76 ✓
1O82623	BS	-	-	Water	3	-	-	-	-	25uL→100mL W/ 105uL MeOH OP#40 PBL#49,76 ✓
1O82624	rinse	-	-	Water	4	-	-	-	-	-
1O82625	MB	-	-	Water	5	-	-	-	-	AFA, ND ✓
1O82626	FC14007-6	1x	1	Water	6	MS56094	1	N	-	ND ✓
1O82627	FC13996-3	1x	1	Water	7	MS56094	1	N	-	ND ✓
1O82628	FC13996-1	1x	4	Water	8	MS56094	1	N	-	ND ✓
1O82629	FC13996-2	1x	4	Water	9	MS56094	1	N	-	ND ✓
1O82630	FC13997-1	1x	4	Water	10	MS56094	1	N	-	ND ✓
1O82631	FC13997-2	1x	4	Water	11	MS56094	1	N	-	ND ✓
1O82632	FC13998-1	1x	4	Water	12	MS56094	1	N	-	ND ✓
1O82633	FC13998-2	1x	4	Water	13	MS56094	1	N	-	ND ✓
1O82634	FC13998-3	1x	4	Water	14	MS56094	1	N	-	AFA ND ✓
1O82635	FC13998-4	1x	4	Water	15	MS56094	1	N	-	ND ✓
1O82636	FC14011-1	1x	1	Water	16	MS56094	1	N	-	✓
1O82637	FC14011-2	1x	1	Water	17	MS56094	1	N	-	✓
1O82638	FC14011-3	1x	1	Water	18	MS56094	1	N	-	✓
1O82639	FC14007-1	1x	1	Water	19	MS56094	1	N	-	✓
1O82640	**FC14007-2**	2.5x	1	Water	20	MS56094	1	N	**10X**	Filtered 20mL→50mL; **124TMB O/R**
1O82641	**FC14007-3**	1x	1	Water	21	MS56094	1	N	**1X**	**124TMB c/o**
1O82642	FC14007-4	1x	1	Water	22	MS56094	1	N	-	✓
1O82643	FC14007-5	1x	1	Water	23	MS56094	1	N	-	AFA ND ✓
1O82644	FC14007-7	1x	1	Water	24	MS56094	1	N	-	✓
1O82645	FC14007-8	1x	1	Water	25	MS56094	1	N	-	✓
1O82646	FC14007-6MS	1x	2	Water	26	MS56094	1	N	-	10uL→40mL Vial OP#40 PBL#49,76 ✓
1O82647	FC14007-6MSD	1x	3	Water	27	MS56094	1	N	-	10uL→40mL Vial OP#40 PBL#49,76 ✓
1O82648	ECC2972-4	-	-	Water	28	-	-	-	-	25uL→100mL W/ 105uL MeOH OP#40 PBL#49,76 ✓

Matrix: Designate "W" for Water "S" for soil, "O" for Oil, "Liq" for Non-aquous Liquid, and "TCLP" or "SPLP" for Leachate
Manual Integration Rational SOP QA029: MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PII Poor Instrument

SGS -ORLANDO **VOA-GCMS ANALYSIS LOG**

Instrument:	MSVOA12-2O
Date:	03/15/2024
Analyst:	Jenifer W
Column Type	RTXVMS
Detector	5975C-MSD
Purge Pressure	1.1 psi
Purge Volume	5mL

Method(s):	VMS8260
Method File:	V1O_03-07-2024.M
Calibration Date:	01/22/2024
Acq. Method:	RTXFAST.M
EM Voltage:	1624V
Run ID:	**V1O2977**

BFB:	VS3788
ICAL/CC:	VS3767, VS3768, VS3789
VS3793, VS3800, VS3790,VS3821,,	
ICV/BS:	VS3814, VS3797, VS3806
VS3807, VS3808, VS3822,	
ISTD/Surr.:	VS3788

pH Paper Lot#:	230320/206722
KI Paper Lot#:	14-860 5/9/2022
AFA Lot#:	VS3667
Data processed by:	Jenifer W
Sample ID Ver. by:	Jenifer W
Date Verified:	03/15/2024

Data File	Sample ID	Dilution Factor	Vial #	Matrix	A.S. Pos.	Work Group	pH	CI? (Y/N)	RR	Comments and Manually Integrated Peaks (Peak # and Rational)
1O82649	BFB	-	-	Water	1	-	-	-	-	Passed autofind✓
1O82650	CC2972-4	-	-	Water	2	-	-	-	-	25uL→100mL W/ 105uL MeOH OP#40 PBL#49,76 ✓
1O82651	BS	-	-	Water	3	-	-	-	-	25uL→100mL W/ 105uL MeOH OP#40 PBL#49,76 ✓
1O82652	rinse	-	-	Water	4	-	-	-	-	
1O82653	MB	-	-	Water	5	-	-	-	-	AFA, ND ✓
1O82654	FC14048-1	1x	9	Water	6	MS56102	1	N	1x	DCFM (high ICV) and CE (high ICV and CCV)
1O82655	FC14007-11	1x	2	Water	7	MS56102	1	N	-	ND✓
1O82656	FC14048-6	1x	1	Water	8	MS56102	1	N	-	ND✓
1O82657	FC14048-2	1x	4	Water	9	MS56102	1	N	-	ND✓
1O82658	FC14048-3	1x	1	Water	10	MS56102	1	N	-	✓
1O82659	FC14048-4	1x	4	Water	11	MS56102	1	N	-	AFA
1O82660	FC14048-5	1x	1	Water	12	MS56102	1	N	-	✓
1O82661	FC14007-3	1x	2	Water	13	MS56102	1	N	-	124TMB Only ✓
1O82662	FC14007-9	1x	2	Water	14	MS56102	1	N	-	✓
1O82663	FC14007-10	1x	2	Water	15	MS56102	1	N	-	✓
1O82664	FC14007-12	1x	2	Water	16	MS56102	1	N	-	✓
1O82665	FC14057-1	1x	1	Water	17	MS56102	1	N	-	✓
1O82666	FC14057-2	1x	1	Water	18	MS56102	1	N	-	ND✓
1O82667	FC14057-3	1x	1	Water	19	MS56102	1	N	-	✓
1O82668	FC14057-4	1x	1	Water	20	MS56102	1	N	-	✓
1O82669	FC14057-5	1x	1	Water	21	MS56102	1	N	-	✓
1O82670	FC14057-6	1x	1	Water	22	MS56102	1	N	-	ND✓
1O82671	FC14057-7	1x	1	Water	23	MS56102	1	N	-	ND✓
1O82672	FC14057-8	1x	1	Water	24	MS56102	1	N	-	ND✓
1O82673	FC14007-2	10x	2	Water	25	MS56102	1	N	-	Filter 5mL→50mL 124TMB Ecombine ✓
1O82674	FC14048-1MS	1x	10	Water	26	MS56102	1	N	-	10uL→40mL OP#40 PBL#49,76 ✓
1O82675	FC14048-1MSD	1x	11	Water	27	MS56102	1	N	-	10uL→40mL OP#40 PBL#49,76 ✓
1O82676	ECC2972-4	-	-	Water	28	-	-	-	-	25uL→100mL W/ 105uL MeOH PBL#49,76 ✓

Matrix: Designate "W" for Water "S" for soil, "O" for Oil, "Liq" for Non-aquous Liquid, and "TCLP" or "SPLP" for Leachate
Manual Integration Rational SOP QA029: MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PII Poor Instrument

SGS -ORLANDO

VOA-GCMS ANALYSIS LOG

Instrument:	MSVOA13-1P
Date:	02/07/2024
Analyst:	Liana T
Column Type	RTXVMS
Detector	5973MSD
Purge Pressure	1.4 PSI
Purge Volume	5 mL

Method(s):	8260
Method File:	V2P_2024-02-07.M
Calibration Date:	01/22/2024
Acq. Method:	RTXFAST
EM Voltage:	1741V
Run ID:	**V2P3959**

BFB:	VS3724
ICAL/CC:	VS3708, VS3709, VS3734
VS3735, VS3736, VS3719,VS3738,	
ICV/BS:	VS3730, VS3731, VS3720
VS3723, VS3722, VS3739,	
ISTD/Surr.:	VS3724

pH Paper Lot#:	206722
KI Paper Lot#:	14-860/05292
AFA Lot#:	VS3511c
Data processed by:	Liana T
Sample ID Ver. by:	Liana T
Date Verified:	02/07/2

Data File	Sample ID	Dilution Factor	Vial #	Matrix	A.S. Pos.	Work Group	pH	CI? (Y/N)	RR	Comments and Manually Integrated Peaks (Peak # and Rational)
2P104188	BFB	-	-	Water	1	-	-	-	-	Passed autofind✓
2P104189	IC3959-1	-	-	Water	2	-	-	-	-	1uL(-)100mL
2P104190	IC3959-8	-	-	Water	3	-	-	-	-	2uL(-)100mL
2P104191	IC3959-2	-	-	Water	4	-	-	-	-	5uL(-)100mL
2P104192	IC3959-3	-	-	Water	5	-	-	-	-	5uL(-)50mL
2P104193	IC3959-4	-	-	Water	6	-	-	-	-	12.5uL(-)50mL
2P104194	ICC3959-5	-	-	Water	7	-	-	-	-	20uL(-)50mL
2P104195	IC3959-6	-	-	Water	8	-	-	-	-	35uL(-)50mL
2P104196	IC3959-7	-	-	Water	9	-	-	-	-	50uL(-)50mL
2P104197	RINSE	-	-	Water	10	-	-	-	-	-
2P104198	ICV3959-5	-	-	Water	11	-	-	-	-	20uL(-)50mL
2P104199	ICV3959-4	-	-	Water	12	-	-	-	-	12.5uL(-)50mL; Not used

Matrix: Designate "W" for Water "S" for soil, "O" for Oil, "Liq" for Non-aquous Liquid, and "TCLP" or "SPLP" for Leachate
Manual Integration Rational SOP QA029: MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PII Poor Instrument

SGS -ORLANDO

VOA-GCMS ANALYSIS LOG

Instrument:	MSVOA13-1P
Date:	03/14/2024
Analyst:	Liana T
Column Type	RTXVMS
Detector	5973MSD
Purge Pressure	1.4 PSI
Purge Volume	5 mL

Method(s):	8260
Method File:	V2P_2024-02-07.M
Calibration Date:	02/07/2024
Acq. Method:	RTXFAST
EM Voltage:	1741V
Run ID:	**V2P3991**

BFB:	VS3787
ICAL/CC:	VS3767, VS3768, VS3789
VS3793, VS3800, VS3790,VS3802,	
ICV/BS:	VS3814, VS3797, VS3806
VS3807, VS3808, VS3803,	
ISTD/Surr.:	VS3787

pH Paper Lot#:	206722
KI Paper Lot#:	14-860/0529
AFA Lot#:	VS3511c
Data processed by:	Celine C.
Sample ID Ver. by:	Liana T
Date Verified:	03/14/2

Run Sequence: V2P3991

Data File	Sample ID	Dilution Factor	Vial #	Matrix	A.S. Pos.	Work Group	pH	CI? (Y/N)	RR	Comments and Manually Integrated Peaks (Peak # and Rational)
2P104764	BFB	-	-	Water	1	-	-	-	-	Autotune Passed✓
2P104765	CC3959-5	-	-	Water	2	-	-	-	-	40mL(-)100mL OP#40 PBL#25,50,76 ✓
2P104766	BS	-	-	Water	3	-	-	-	-	25uL(-)100mL OP#40 PBL#25,50,76✓
2P104767	RINSE	-	-	Water	4	-	-	-	-	-
2P104768	MB	-	-	Water	5	-	-	-	-	AFA, ND✓
2P104769	CC3959-1	-	-	Water	6	-	-	-	-	1uL(-)100mL✓
2P104770	FC14007-9	-	1	Water	7	MS56096	1	N	**1X**	**No ECC**
2P104771	FC14007-10	-	1	Water	8	MS56096	1	N	**1X**	**No ECC**
2P104772	FC14007-11	-	1	Water	9	MS56096	1	N	**1X**	**No ECC**
2P104773	FC14007-12	-	1	Water	10	MS56096	1	N	**1X**	**No ECC**
2P104774	FC14006-1	50X	1	Water	11	MS56096	6	N	-	1mL(-)50mL ✓
2P104775	FC14006-2	-	1	Water	12	MS56096	1	N	-	✓
2P104776	FC14006-3	-	1	Water	13	MS56096	1	N	-	ND✓
2P104777	FC14006-4	-	1	Water	14	MS56096	1	N	-	ND✓
2P104778	FC14006-5	-	1	Water	15	MS56096	1	N	-	ND✓
2P104779	FC14006-6	-	1	Water	16	MS56096	1	N	-	ND✓
2P104780	FC14006-7	10X	1	Water	17	MS56096	1	N	-	5mL(-)50mL ✓
2P104781	FC14006-8	-	1	Water	18	MS56096	1	N	-	✓
2P104782	FC14006-9	-	1	Water	19	MS56096	1	N	-	ND✓
2P104783	FC14006-10	-	1	Water	20	MS56096	1	N	-	ND✓
2P104784	FC13979-1	2X	2	Water	21	MS56096	1	N	-	25mL(-)50mL ✓
2P104785	FC13970-2	-	1	Water	22	MS56096	1	N	-	Headspace ✓
2P104786	FC14003-4	-	1	Water	23	MS56096	1	N	-	AFA ✓
2P104787	FC14003-5	-	1	Water	24	MS56096	1	N	-	AFA ✓
2P104788	FC14007-9MS	5X	1	Water	25	MS56096	1	N	-	20mL(-)100mL; Spiked 25uL(-)100mL OP#40 PBL#25,50,76
2P104789	FC14007-9MSD	5X	1	Water	26	MS56096	-	-	-	20mL(-)100mL; Spiked 25uL(-)100mL; **Filament Blew- DNR**
2P104790	ECC3959-5	-	-	Water	27	-	-	-	-	40mL(-)100mL: **Filament Blew- DNR**

Matrix: Designate "W" for Water "S" for soil, "O" for Oil, "Liq" for Non-aquous Liquid, and "TCLP" or "SPLP" for Leachate
Manual Integration Rational SOP QA029: MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PII Poor Instrument

Appendix E-2
2024 Quarter 2 Laboratory Data Package

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

e-Hardcopy 2.0
Automated Report

Technical Report for

Bhate Environmental

Griffiss AFB; Rome, NY

GRFIS-BECOS

SGS Job Number: FC16676

Sampling Dates: 06/20/24 - 06/21/24



Report to:

Bhate Environmental
1608 13th Ave S Suite 300
Birmingham, AL 35205
dbadio@bhate.com; tcalhoun@bhate.com

ATTN: David Badio

Total number of pages in report: **529**

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 unless noted in the narrative, comments or footnotes.

Norm Farmer
Technical Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL(E83510), LA(03051), KS(E-10327), NC(573), NJ(FL002), NY(12022), SC(96038001) DoD ELAP(ANAB L2229), AZ(AZ0806), CA(2937), TX(T104704404), PA(68-03573), VA(460177), AL, AK, AR, CT, IA, KY, MA, MI. MS, ND, NH, NV, OK, OR, IL, UT, VT, WA, WI, WV

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SGS North America Inc.

Sample Summary

Bhate Environmental

Job No: FC16676

Griffiss AFB; Rome, NY
Project No: GRFIS-BECOS

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FC16676-1	06/21/24	10:50	TMBP	06/22/24	AQ	Ground Water	789MW-135_0624
FC16676-2	06/20/24	16:15	TMBP	06/22/24	AQ	Ground Water	789MW-46R_0624
FC16676-3	06/21/24	10:00	TMBP	06/22/24	AQ	Ground Water	789MW-83_0624
FC16676-4	06/20/24	17:00	TMBP	06/22/24	AQ	Ground Water	789MW-95_0624
FC16676-5	06/20/24	17:20	TMBP	06/22/24	AQ	Ground Water	789MW-98_0624
FC16676-6	06/20/24	14:40	TMBP	06/22/24	AQ	Ground Water	789MW-99_0624
FC16676-7	06/20/24	14:40	TMBP	06/22/24	AQ	Ground Water	789MW-99_0624-A
FC16676-8	06/21/24	10:10	TMBP	06/22/24	AQ	Ground Water	789MW-216_0624
FC16676-9	06/21/24	11:00	TMBP	06/22/24	AQ	Ground Water	789MW-222_0624
FC16676-9D	06/21/24	11:00	TMBP	06/22/24	AQ	Water Dup/MSD	789MW-222_0624
FC16676-9S	06/21/24	11:00	TMBP	06/22/24	AQ	Water Matrix Spike	789MW-222_0624
FC16676-10	06/20/24	17:05	TMBP	06/22/24	AQ	Ground Water	789MW-251_0624
FC16676-11	06/21/24	08:30	TMBP	06/22/24	AQ	Ground Water	789SW-02_0624

Sample Summary
(continued)

Bhate Environmental

Job No: FC16676

Griffiss AFB; Rome, NY
Project No: GRFIS-BECOS

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FC16676-12	06/21/24	08:40	TMBP	06/22/24	AQ	Ground Water	789SW-03_0624
FC16676-13	06/21/24	08:50	TMBP	06/22/24	AQ	Ground Water	789SW-04_0624
FC16676-14	06/21/24	11:30	TMBP	06/22/24	AQ	Ground Water	789-AB01_0624-D
FC16676-15	06/20/24	07:00	TMBP	06/22/24	AQ	Ground Water	789-TB01_0624-C

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Bhate Environmental **Job No:** FC16676

Site: Griffiss AFB; Rome, NY **Report Date:** 7/8/2024 8:43:37 AM

On 06/22/2024, 15 Sample(s), 0 Trip Blank(s), 0 Equip. Blank(s) and 0 Field Blank(s) were received at SGS North America Inc - Orlando. at a maximum corrected temperature of 1.8 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. - Orlando Job Number of FC16676 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.

MS Volatiles By Method SW846 8260D

Matrix: AQ **Batch ID:** V2A1914

Sample(s) FC16676-9MS, FC16676-9MSD were used as the QC samples indicated.

Blank Spike Recovery(s) for sec-Butylbenzene are outside control limits.

V2A1914-MB: Sample was treated with an anti-foaming agent.

FC16676-2: Sample was treated with an anti-foaming agent.

FC16676-5: Confirmation run. Sample re-analyzed beyond hold time.

Matrix: AQ **Batch ID:** V2A1921

Sample(s) FC16907-3MS, FC16907-3MSD were used as the QC samples indicated.

Blank Spike Recovery(s) for p-Chlorotoluene, sec-Butylbenzene are outside control limits.

Matrix Spike Recovery(s) for 1,1,1,2-Tetrachloroethane, 1,1,1-Trichloroethane, 1,1,2-Trichloroethane, 1,1-Dichloroethane, 1,1-Dichloroethylene, 1,1-Dichloropropene, 1,2,3-Trichlorobenzene, 1,2,3-Trichloropropane, 1,2,4-Trichlorobenzene, 1,2,4-Trimethylbenzene, 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane, 1,2-Dichlorobenzene, 1,2-Dichloroethane, 1,2-Dichloroethene (total), 1,2-Dichloropropane, 1,3,5-Trimethylbenzene, 1,3-Dichlorobenzene, 1,3-Dichloropropane, 1,4-Dichlorobenzene, 2-Butanone (MEK), 2-Hexanone, 4-Methyl-2-pentanone (MIBK), Acetone, Benzene, Bromobenzene, Bromochloromethane, Bromodichloromethane, Bromoform, Carbon Tetrachloride, Chlorobenzene, Chloroethane, Chloroform, cis-1,2-Dichloroethylene, cis-1,3-Dichloropropene, Dibromochloromethane, Dichlorodifluoromethane, Ethylbenzene, Hexachlorobutadiene, Isopropylbenzene, m,p-Xylene, Methyl Bromide, Methyl Chloride, Methyl Tert Butyl Ether, Methylene Bromide, Methylene Chloride, Naphthalene, n-Butylbenzene, n-Propylbenzene, o-Chlorotoluene, o-Xylene, p-Chlorotoluene, p-Isopropyltoluene, sec-Butylbenzene, Styrene, tert-Butylbenzene, Tetrachloroethylene, Toluene, trans-1,2-Dichloroethylene, trans-1,3-Dichloropropene, Trichloroethylene, Trichlorofluoromethane, Vinyl Acetate, Vinyl Chloride, Xylene (total) are outside control limits. Probable cause is due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 1,1,1,2-Tetrachloroethane, 1,1,1-Trichloroethane, 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,1-Dichloroethane, 1,1-Dichloroethylene, 1,1-Dichloropropene, 1,2,3-Trichlorobenzene, 1,2,3-Trichloropropane, 1,2,4-Trichlorobenzene, 1,2,4-Trimethylbenzene, 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane, 1,2-Dichlorobenzene, 1,2-Dichloroethane, 1,2-Dichloroethene (total), 1,2-Dichloropropane, 1,3,5-Trimethylbenzene, 1,3-Dichlorobenzene, 1,3-Dichloropropane, 1,4-Dichlorobenzene, 2-Butanone (MEK), 2-Hexanone, 4-Methyl-2-pentanone (MIBK), Acetone, Benzene, Bromobenzene, Bromochloromethane, Bromodichloromethane, Bromoform, Carbon Tetrachloride, Chlorobenzene, Chloroethane, Chloroform, cis-1,2-Dichloroethylene, cis-1,3-Dichloropropene, Dibromochloromethane, Dichlorodifluoromethane, Ethylbenzene, Hexachlorobutadiene, Isopropylbenzene, m,p-Xylene, Methyl Bromide, Methyl Chloride, Methyl Tert Butyl Ether, Methylene Bromide, Methylene Chloride, Naphthalene, n-Butylbenzene, n-Propylbenzene, o-Chlorotoluene, o-Xylene, p-Chlorotoluene, p-Isopropyltoluene, sec-Butylbenzene, Styrene, tert-Butylbenzene, Tetrachloroethylene, Toluene, trans-1,2-Dichloroethylene, trans-1,3-Dichloropropene, Trichloroethylene, Trichlorofluoromethane, Vinyl Acetate, Vinyl Chloride, Xylene (total) are outside control limits. Probable cause is due to matrix interference.

RPD(s) for MSD for Methyl Bromide are outside control limits for sample FC16907-3MSD. Probable cause is due to sample non-homogeneity.

For Sample(s) FC16676-5 are associated with a blank spike that has a recovery for Dichlorodifluoromethane outside DOD QSM control limits.

FC16676-5: Sample re-analyzed beyond hold time.

SGS North America Inc. - Orlando 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.- Orlando is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety.

Narrative prepared by:

_____

Kim Benham, Report Generation (signature on file)

Summary of Hits

Job Number: FC16676
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 06/20/24 thru 06/21/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FC16676-1	**789MW-135_0624**					
No hits reported in this sample.						
FC16676-2	**789MW-46R_0624**					
No hits reported in this sample.						
FC16676-3	**789MW-83_0624**					
No hits reported in this sample.						
FC16676-4	**789MW-95_0624**					
No hits reported in this sample.						
FC16676-5	**789MW-98_0624**					
Benzene [a]		13.6	2.0	1.0	ug/l	SW846 8260D
n-Butylbenzene [a]		5.3	2.0	1.0	ug/l	SW846 8260D
sec-Butylbenzene [a]		4.1	2.0	1.0	ug/l	SW846 8260D
tert-Butylbenzene [a]		0.77 J	2.0	1.0	ug/l	SW846 8260D
Ethylbenzene [a]		5.8	2.0	1.0	ug/l	SW846 8260D
Isopropylbenzene [a]		3.9	2.0	1.0	ug/l	SW846 8260D
p-Isopropyltoluene [a]		3.9	2.0	1.0	ug/l	SW846 8260D
4-Methyl-2-pentanone (MIBK) [a]		2.9 J	10	4.0	ug/l	SW846 8260D
Naphthalene [a]		8.8 J	10	4.0	ug/l	SW846 8260D
n-Propylbenzene [a]		9.4	2.0	1.0	ug/l	SW846 8260D
Toluene [a]		0.68 J	2.0	1.0	ug/l	SW846 8260D
1,2,4-Trimethylbenzene [a]		88.7	2.0	1.0	ug/l	SW846 8260D
1,3,5-Trimethylbenzene [a]		30.9	2.0	1.0	ug/l	SW846 8260D
m,p-Xylene [a]		30.4	4.0	2.0	ug/l	SW846 8260D
o-Xylene [a]		2.4	2.0	1.0	ug/l	SW846 8260D
Xylene (total) [a]		32.8	6.0	3.0	ug/l	SW846 8260D
FC16676-6	**789MW-99_0624**					
Benzene		1.6	1.0	0.50	ug/l	SW846 8260D
n-Butylbenzene		0.41 J	1.0	0.50	ug/l	SW846 8260D
sec-Butylbenzene		0.84 J	1.0	0.50	ug/l	SW846 8260D
Ethylbenzene		3.0	1.0	0.50	ug/l	SW846 8260D
Isopropylbenzene		0.95 J	1.0	0.50	ug/l	SW846 8260D
p-Isopropyltoluene		0.22 J	1.0	0.50	ug/l	SW846 8260D
Naphthalene		3.4 J	5.0	2.0	ug/l	SW846 8260D
n-Propylbenzene		1.3	1.0	0.50	ug/l	SW846 8260D

Summary of Hits

Job Number: FC16676
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 06/20/24 thru 06/21/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
Toluene		1.1	1.0	0.50	ug/l	SW846 8260D
FC16676-7	**789MW-99_0624-A**					
Benzene		1.6	1.0	0.50	ug/l	SW846 8260D
n-Butylbenzene		0.35 J	1.0	0.50	ug/l	SW846 8260D
sec-Butylbenzene		0.81 J	1.0	0.50	ug/l	SW846 8260D
Ethylbenzene		3.0	1.0	0.50	ug/l	SW846 8260D
Isopropylbenzene		0.89 J	1.0	0.50	ug/l	SW846 8260D
Naphthalene		3.4 J	5.0	2.0	ug/l	SW846 8260D
n-Propylbenzene		1.3	1.0	0.50	ug/l	SW846 8260D
Toluene		1.1	1.0	0.50	ug/l	SW846 8260D
FC16676-8	**789MW-216_0624**					
sec-Butylbenzene		0.27 J	1.0	0.50	ug/l	SW846 8260D
Naphthalene		2.1 J	5.0	2.0	ug/l	SW846 8260D
FC16676-9	**789MW-222_0624**					
No hits reported in this sample.						
FC16676-10	**789MW-251_0624**					
No hits reported in this sample.						
FC16676-11	**789SW-02_0624**					
Benzene		0.36 J	1.0	0.50	ug/l	SW846 8260D
Chloroform		0.50 J	1.0	0.50	ug/l	SW846 8260D
FC16676-12	**789SW-03_0624**					
Benzene		2.6	1.0	0.50	ug/l	SW846 8260D
Chloroform		0.53 J	1.0	0.50	ug/l	SW846 8260D
FC16676-13	**789SW-04_0624**					
Benzene		0.92 J	1.0	0.50	ug/l	SW846 8260D
Chloroform		0.43 J	1.0	0.50	ug/l	SW846 8260D
FC16676-14	**789-AB01_0624-D**					
Methylene Chloride		5.8	5.0	4.0	ug/l	SW846 8260D

Summary of Hits

Job Number: FC16676
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 06/20/24 thru 06/21/24

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FC16676-15	**789-TB01_0624-C**					

No hits reported in this sample.

(a) Sample re-analyzed beyond hold time.

Sample Results

Report of Analysis

SGS North America Inc.

Report of Analysis

Client Sample ID:	789MW-135_0624		
Lab Sample ID:	FC16676-1	**Date Sampled:**	06/21/24
Matrix:	AQ - Ground Water	**Date Received:**	06/22/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A56386.D	1	06/28/24 09:00	LT	n/a	n/a	V2A1914
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789MW-135_0624		
Lab Sample ID:	FC16676-1	**Date Sampled:**	06/21/24
Matrix:	AQ - Ground Water	**Date Received:**	06/22/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		83-118%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789MW-135_0624		
Lab Sample ID:	FC16676-1	**Date Sampled:**	06/21/24
Matrix:	AQ - Ground Water	**Date Received:**	06/22/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	100%		79-125%
2037-26-5	Toluene-D8	100%		85-112%
460-00-4	4-Bromofluorobenzene	99%		83-118%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	789MW-46R_0624		
Lab Sample ID:	FC16676-2	**Date Sampled:**	06/20/24
Matrix:	AQ - Ground Water	**Date Received:**	06/22/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	2A56387.D	1	06/28/24 09:24	LT	n/a	n/a	V2A1914
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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: 789MW-46R_0624
Lab Sample ID: FC16676-2
Matrix: AQ - Ground Water
Method: SW846 8260D
Project: Griffiss AFB; Rome, NY

Date Sampled: 06/20/24
Date Received: 06/22/24
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		83-118%

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation DL = Detection 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:	789MW-46R_0624		
Lab Sample ID:	FC16676-2	**Date Sampled:**	06/20/24
Matrix:	AQ - Ground Water	**Date Received:**	06/22/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	98%		79-125%
2037-26-5	Toluene-D8	100%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

(a) Sample was treated with an anti-foaming agent.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	789MW-83_0624		
Lab Sample ID:	FC16676-3	**Date Sampled:**	06/21/24
Matrix:	AQ - Ground Water	**Date Received:**	06/22/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A56388.D	1	06/28/24 09:48	LT	n/a	n/a	V2A1914
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789MW-83_0624		
Lab Sample ID:	FC16676-3	**Date Sampled:**	06/21/24
Matrix:	AQ - Ground Water	**Date Received:**	06/22/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		83-118%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789MW-83_0624		
Lab Sample ID:	FC16676-3	**Date Sampled:**	06/21/24
Matrix:	AQ - Ground Water	**Date Received:**	06/22/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	102%		79-125%
2037-26-5	Toluene-D8	99%		85-112%
460-00-4	4-Bromofluorobenzene	98%		83-118%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	789MW-95_0624		
Lab Sample ID:	FC16676-4	**Date Sampled:**	06/20/24
Matrix:	AQ - Ground Water	**Date Received:**	06/22/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A56389.D	1	06/28/24 10:12	LT	n/a	n/a	V2A1914
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789MW-95_0624		
Lab Sample ID:	FC16676-4	**Date Sampled:**	06/20/24
Matrix:	AQ - Ground Water	**Date Received:**	06/22/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		83-118%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789MW-95_0624		
Lab Sample ID:	FC16676-4	**Date Sampled:**	06/20/24
Matrix:	AQ - Ground Water	**Date Received:**	06/22/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	101%		79-125%
2037-26-5	Toluene-D8	99%		85-112%
460-00-4	4-Bromofluorobenzene	98%		83-118%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	789MW-98_0624		
Lab Sample ID:	FC16676-5	**Date Sampled:**	06/20/24
Matrix:	AQ - Ground Water	**Date Received:**	06/22/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	2A56583.D	2	07/05/24 12:24	LT	n/a	n/a	V2A1921
Run #2 [b]	2A56390.D	10	06/28/24 10:36	LT	n/a	n/a	V2A1914

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

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	40 U	50	40	20	ug/l	
71-43-2	Benzene	13.6	2.0	1.0	0.62	ug/l	
108-86-1	Bromobenzene	1.0 U	2.0	1.0	0.73	ug/l	
74-97-5	Bromochloromethane	1.0 U	2.0	1.0	0.90	ug/l	
75-27-4	Bromodichloromethane	1.0 U	2.0	1.0	0.48	ug/l	
75-25-2	Bromoform	1.0 U	2.0	1.0	0.81	ug/l	
78-93-3	2-Butanone (MEK)	7.0 U	10	7.0	4.0	ug/l	
104-51-8	n-Butylbenzene	5.3	2.0	1.0	0.46	ug/l	
135-98-8	sec-Butylbenzene	4.1	2.0	1.0	0.49	ug/l	
98-06-6	tert-Butylbenzene	0.77	2.0	1.0	0.63	ug/l	J
75-15-0	Carbon Disulfide	2.0 U	4.0	2.0	1.1	ug/l	
56-23-5	Carbon Tetrachloride	1.0 U	2.0	1.0	0.71	ug/l	
108-90-7	Chlorobenzene	1.0 U	2.0	1.0	0.40	ug/l	
75-00-3	Chloroethane	2.0 U	4.0	2.0	1.3	ug/l	
67-66-3	Chloroform	1.0 U	2.0	1.0	0.60	ug/l	
95-49-8	o-Chlorotoluene	1.0 U	2.0	1.0	0.44	ug/l	
106-43-4	p-Chlorotoluene	1.0 U	2.0	1.0	0.61	ug/l	
124-48-1	Dibromochloromethane	1.0 U	2.0	1.0	0.55	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	4.0 U	10	4.0	2.1	ug/l	
106-93-4	1,2-Dibromoethane	2.0 U	4.0	2.0	0.55	ug/l	
75-71-8	Dichlorodifluoromethane [c]	2.0 U	4.0	2.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	1.0 U	2.0	1.0	0.65	ug/l	
541-73-1	1,3-Dichlorobenzene	1.0 U	2.0	1.0	0.43	ug/l	
106-46-7	1,4-Dichlorobenzene	1.0 U	2.0	1.0	0.51	ug/l	
75-34-3	1,1-Dichloroethane	1.0 U	2.0	1.0	0.68	ug/l	
107-06-2	1,2-Dichloroethane	1.0 U	2.0	1.0	0.62	ug/l	
75-35-4	1,1-Dichloroethylene	1.0 U	2.0	1.0	0.64	ug/l	
156-59-2	cis-1,2-Dichloroethylene	1.0 U	2.0	1.0	0.55	ug/l	
156-60-5	trans-1,2-Dichloroethylene	1.0 U	2.0	1.0	0.44	ug/l	
540-59-0	1,2-Dichloroethene (total)	2.0 U	4.0	2.0	0.99	ug/l	
78-87-5	1,2-Dichloropropane	1.0 U	2.0	1.0	0.85	ug/l	
142-28-9	1,3-Dichloropropane	1.0 U	2.0	1.0	0.62	ug/l	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789MW-98_0624		
Lab Sample ID:	FC16676-5	**Date Sampled:**	06/20/24
Matrix:	AQ - Ground Water	**Date Received:**	06/22/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	1.0 U	2.0	1.0	0.48	ug/l	
563-58-6	1,1-Dichloropropene	1.0 U	2.0	1.0	0.67	ug/l	
10061-01-5	cis-1,3-Dichloropropene	1.0 U	2.0	1.0	0.58	ug/l	
10061-02-6	trans-1,3-Dichloropropene	1.0 U	2.0	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	5.8	2.0	1.0	0.71	ug/l	
87-68-3	Hexachlorobutadiene	2.0 U	4.0	2.0	0.59	ug/l	
591-78-6	2-Hexanone	10 U	20	10	4.0	ug/l	
98-82-8	Isopropylbenzene	3.9	2.0	1.0	0.44	ug/l	
99-87-6	p-Isopropyltoluene	3.9	2.0	1.0	0.43	ug/l	
74-83-9	Methyl Bromide	8.0 U	10	8.0	4.0	ug/l	
74-87-3	Methyl Chloride	2.0 U	4.0	2.0	1.0	ug/l	
74-95-3	Methylene Bromide	1.0 U	4.0	1.0	0.74	ug/l	
75-09-2	Methylene Chloride	8.0 U	10	8.0	4.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.9	10	4.0	2.0	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	1.0 U	2.0	1.0	0.46	ug/l	
91-20-3	Naphthalene	8.8	10	4.0	2.0	ug/l	J
103-65-1	n-Propylbenzene	9.4	2.0	1.0	0.57	ug/l	
100-42-5	Styrene	1.0 U	2.0	1.0	0.44	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	1.0 U	2.0	1.0	0.55	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U	2.0	1.0	0.60	ug/l	
127-18-4	Tetrachloroethylene	1.0 U	2.0	1.0	0.43	ug/l	
108-88-3	Toluene	0.68	2.0	1.0	0.60	ug/l	J
87-61-6	1,2,3-Trichlorobenzene	2.0 U	4.0	2.0	1.2	ug/l	
120-82-1	1,2,4-Trichlorobenzene	2.0 U	4.0	2.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	1.0 U	2.0	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	1.0 U	2.0	1.0	0.93	ug/l	
79-01-6	Trichloroethylene	1.0 U	2.0	1.0	0.69	ug/l	
75-69-4	Trichlorofluoromethane	2.0 U	4.0	2.0	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	2.0 U	4.0	2.0	1.3	ug/l	
95-63-6	1,2,4-Trimethylbenzene	88.7	2.0	1.0	0.65	ug/l	
108-67-8	1,3,5-Trimethylbenzene	30.9	2.0	1.0	0.55	ug/l	
108-05-4	Vinyl Acetate	10 U	20	10	4.0	ug/l	
75-01-4	Vinyl Chloride	1.0 U	2.0	1.0	0.82	ug/l	
	m,p-Xylene	30.4	4.0	2.0	0.93	ug/l	
95-47-6	o-Xylene	2.4	2.0	1.0	0.51	ug/l	
1330-20-7	Xylene (total)	32.8	6.0	3.0	1.4	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%	99%	83-118%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789MW-98_0624		
Lab Sample ID:	FC16676-5	**Date Sampled:**	06/20/24
Matrix:	AQ - Ground Water	**Date Received:**	06/22/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	100%	99%	79-125%
2037-26-5	Toluene-D8	97%	100%	85-112%
460-00-4	4-Bromofluorobenzene	96%	99%	83-118%

(a) Sample re-analyzed beyond hold time.
(b) Confirmation run. Sample re-analyzed beyond hold time.
(c) Associated BS recovery outside DOD QSM control limits high, sample is ND.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	789MW-99_0624		
Lab Sample ID:	FC16676-6	**Date Sampled:**	06/20/24
Matrix:	AQ - Ground Water	**Date Received:**	06/22/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A56391.D	1	06/28/24 11:00	LT	n/a	n/a	V2A1914
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	1.6	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.41	1.0	0.50	0.23	ug/l	J
135-98-8	sec-Butylbenzene	0.84	1.0	0.50	0.24	ug/l	J
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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: 789MW-99_0624
Lab Sample ID: FC16676-6
Matrix: AQ - Ground Water
Method: SW846 8260D
Project: Griffiss AFB; Rome, NY

Date Sampled: 06/20/24
Date Received: 06/22/24
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	3.0	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.95	1.0	0.50	0.22	ug/l	J
99-87-6	p-Isopropyltoluene	0.22	1.0	0.50	0.21	ug/l	J
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	3.4	5.0	2.0	1.0	ug/l	J
103-65-1	n-Propylbenzene	1.3	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	1.1	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		83-118%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789MW-99_0624		
Lab Sample ID:	FC16676-6	**Date Sampled:**	06/20/24
Matrix:	AQ - Ground Water	**Date Received:**	06/22/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	98%		79-125%
2037-26-5	Toluene-D8	99%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	789MW-99_0624-A		
Lab Sample ID:	FC16676-7	**Date Sampled:**	06/20/24
Matrix:	AQ - Ground Water	**Date Received:**	06/22/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A56392.D	1	06/28/24 11:24	LT	n/a	n/a	V2A1914
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	1.6	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.35	1.0	0.50	0.23	ug/l	J
135-98-8	sec-Butylbenzene	0.81	1.0	0.50	0.24	ug/l	J
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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: 789MW-99_0624-A
Lab Sample ID: FC16676-7
Matrix: AQ - Ground Water
Method: SW846 8260D
Project: Griffiss AFB; Rome, NY

Date Sampled: 06/20/24
Date Received: 06/22/24
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	3.0	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.89	1.0	0.50	0.22	ug/l	J
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	3.4	5.0	2.0	1.0	ug/l	J
103-65-1	n-Propylbenzene	1.3	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	1.1	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		83-118%

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation DL = Detection 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:	789MW-99_0624-A		
Lab Sample ID:	FC16676-7	**Date Sampled:**	06/20/24
Matrix:	AQ - Ground Water	**Date Received:**	06/22/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	98%		79-125%
2037-26-5	Toluene-D8	99%		85-112%
460-00-4	4-Bromofluorobenzene	99%		83-118%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	789MW-216_0624		
Lab Sample ID:	FC16676-8	**Date Sampled:**	06/21/24
Matrix:	AQ - Ground Water	**Date Received:**	06/22/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A56397.D	1	06/28/24 13:24	LT	n/a	n/a	V2A1914
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.27	1.0	0.50	0.24	ug/l	J
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789MW-216_0624		
Lab Sample ID:	FC16676-8	**Date Sampled:**	06/21/24
Matrix:	AQ - Ground Water	**Date Received:**	06/22/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.1	5.0	2.0	1.0	ug/l	J
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		83-118%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789MW-216_0624		
Lab Sample ID:	FC16676-8	**Date Sampled:**	06/21/24
Matrix:	AQ - Ground Water	**Date Received:**	06/22/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	101%		79-125%
2037-26-5	Toluene-D8	99%		85-112%
460-00-4	4-Bromofluorobenzene	99%		83-118%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	789MW-222_0624		
Lab Sample ID:	FC16676-9	**Date Sampled:**	06/21/24
Matrix:	AQ - Ground Water	**Date Received:**	06/22/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A56398.D	1	06/28/24 13:48	LT	n/a	n/a	V2A1914
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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: 789MW-222_0624
Lab Sample ID: FC16676-9
Matrix: AQ - Ground Water
Method: SW846 8260D
Project: Griffiss AFB; Rome, NY

Date Sampled: 06/21/24
Date Received: 06/22/24
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		83-118%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789MW-222_0624		
Lab Sample ID:	FC16676-9	**Date Sampled:**	06/21/24
Matrix:	AQ - Ground Water	**Date Received:**	06/22/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	101%		79-125%
2037-26-5	Toluene-D8	99%		85-112%
460-00-4	4-Bromofluorobenzene	98%		83-118%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	789MW-251_0624		
Lab Sample ID:	FC16676-10	**Date Sampled:**	06/20/24
Matrix:	AQ - Ground Water	**Date Received:**	06/22/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A56399.D	1	06/28/24 14:12	LT	n/a	n/a	V2A1914
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789MW-251_0624		
Lab Sample ID:	FC16676-10	**Date Sampled:**	06/20/24
Matrix:	AQ - Ground Water	**Date Received:**	06/22/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		83-118%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789MW-251_0624		
Lab Sample ID:	FC16676-10	**Date Sampled:**	06/20/24
Matrix:	AQ - Ground Water	**Date Received:**	06/22/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	100%		79-125%
2037-26-5	Toluene-D8	99%		85-112%
460-00-4	4-Bromofluorobenzene	98%		83-118%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	789SW-02_0624		
Lab Sample ID:	FC16676-11	**Date Sampled:**	06/21/24
Matrix:	AQ - Ground Water	**Date Received:**	06/22/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A56400.D	1	06/28/24 14:36	LT	n/a	n/a	V2A1914
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.36	1.0	0.50	0.31	ug/l	J
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50	1.0	0.50	0.30	ug/l	J
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789SW-02_0624		
Lab Sample ID:	FC16676-11	**Date Sampled:**	06/21/24
Matrix:	AQ - Ground Water	**Date Received:**	06/22/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		83-118%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789SW-02_0624		
Lab Sample ID:	FC16676-11	**Date Sampled:**	06/21/24
Matrix:	AQ - Ground Water	**Date Received:**	06/22/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	101%		79-125%
2037-26-5	Toluene-D8	99%		85-112%
460-00-4	4-Bromofluorobenzene	99%		83-118%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	789SW-03_0624		
Lab Sample ID:	FC16676-12	**Date Sampled:**	06/21/24
Matrix:	AQ - Ground Water	**Date Received:**	06/22/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A56401.D	1	06/28/24 15:00	LT	n/a	n/a	V2A1914
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	2.6	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.53	1.0	0.50	0.30	ug/l	J
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789SW-03_0624		
Lab Sample ID:	FC16676-12	**Date Sampled:**	06/21/24
Matrix:	AQ - Ground Water	**Date Received:**	06/22/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		83-118%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789SW-03_0624		
Lab Sample ID:	FC16676-12	**Date Sampled:**	06/21/24
Matrix:	AQ - Ground Water	**Date Received:**	06/22/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	100%		79-125%
2037-26-5	Toluene-D8	99%		85-112%
460-00-4	4-Bromofluorobenzene	98%		83-118%

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LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	789SW-04_0624		
Lab Sample ID:	FC16676-13	**Date Sampled:**	06/21/24
Matrix:	AQ - Ground Water	**Date Received:**	06/22/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A56402.D	1	06/28/24 15:24	LT	n/a	n/a	V2A1914
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.92	1.0	0.50	0.31	ug/l	J
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.43	1.0	0.50	0.30	ug/l	J
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789SW-04_0624		
Lab Sample ID:	FC16676-13	**Date Sampled:**	06/21/24
Matrix:	AQ - Ground Water	**Date Received:**	06/22/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		83-118%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789SW-04_0624		
Lab Sample ID:	FC16676-13	**Date Sampled:**	06/21/24
Matrix:	AQ - Ground Water	**Date Received:**	06/22/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	100%		79-125%
2037-26-5	Toluene-D8	98%		85-112%
460-00-4	4-Bromofluorobenzene	98%		83-118%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	789-AB01_0624-D		
Lab Sample ID:	FC16676-14	**Date Sampled:**	06/21/24
Matrix:	AQ - Ground Water	**Date Received:**	06/22/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A56403.D	1	06/28/24 15:48	LT	n/a	n/a	V2A1914
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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: 789-AB01_0624-D
Lab Sample ID: FC16676-14
Matrix: AQ - Ground Water
Method: SW846 8260D
Project: Griffiss AFB; Rome, NY

Date Sampled: 06/21/24
Date Received: 06/22/24
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	5.8	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		83-118%

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation DL = Detection 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:	789-AB01_0624-D		
Lab Sample ID:	FC16676-14	**Date Sampled:**	06/21/24
Matrix:	AQ - Ground Water	**Date Received:**	06/22/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	100%		79-125%
2037-26-5	Toluene-D8	99%		85-112%
460-00-4	4-Bromofluorobenzene	99%		83-118%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	789-TB01_0624-C		
Lab Sample ID:	FC16676-15	**Date Sampled:**	06/20/24
Matrix:	AQ - Ground Water	**Date Received:**	06/22/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A56404.D	1	06/28/24 16:12	LT	n/a	n/a	V2A1914
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789-TB01_0624-C		
Lab Sample ID:	FC16676-15	**Date Sampled:**	06/20/24
Matrix:	AQ - Ground Water	**Date Received:**	06/22/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		83-118%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789-TB01_0624-C		
Lab Sample ID:	FC16676-15	**Date Sampled:**	06/20/24
Matrix:	AQ - Ground Water	**Date Received:**	06/22/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	101%		79-125%
2037-26-5	Toluene-D8	100%		85-112%
460-00-4	4-Bromofluorobenzene	98%		83-118%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5.x Limits

CHAIN-OF-CUSTODY RECORD

BEAB
Todd Calhoun
445 Union Boulevard, Suite 129 Lakewood, CO 80228
Please add area code, 720.463.3906, , add e-mail

COC # SS067GW24Q2 FC16676

Project Name: Griffiss Air Force Base, BECOS	Laboratory: SGS North America, Inc., Orlando, FL	Event: 2024 Griffiss Petro Q2
Project Number: GRFIS-BECOS	POC: Please insert point of contact, insert laboratory phone number, insert email	
WBS Code: 11055.009 Griffiss	Ship to:	

Comments:
SW8260D (A) = VOCs SGS

Equipment: YSI EXO1 w/ 100m cable

Code	Matrix
WG	Ground Water
WQ	Water Quality Control Matrix

Code	Container/Preservative
31	3x 40 mL glass volatile vials, HCl to pH < 2; Cool to 0-6 °C; no headspace

	Sample ID	Matrix	Date	Time	Samp Init.	Analytical Test Method: SW8260D (A)	Location ID	Sample Type	Depth (ft bgs) Top	Depth (ft bgs) Bottom	Cooler	Comments
	Event: 2024 Griffiss Petro Q2					31						
1	789MW-135_0624 1	WG	6/21/24	1056	TM	X	WL-789MW-135	N1	23.00	33.00	1	
2	789MW-46R_0624 2	WG	6/20/24	1615	BP	X	WL-789MW-46R	N1	14.00	29.00	1	
3	789MW-83_0624 3	WG	6/21/24	1000	TM	X	WL-789MW-83	N1	21.00	31.00	1	
4	789MW-95_0624 4	WG	6/20/24	1700	BP	X	WL-789MW-95	N1	10.50	20.50	1	
5	789MW-98_0624 5	WG	6/20/24	1720	BP	X	WL-789MW-98	N1	10.00	20.00	1	
6	789MW-99_0624 6	WG	6/20/24	1440	TM	X	WL-789MW-99	N1	14.50	24.50	1	
7	789MW-99_0624-A 7	WG	6/20/24	1440	TM	X	WL-789MW-99	FD1	14.50	24.50	1	
8	789MW-216_0624 8	WG	6/21/24	1010	BP	X	WL-789MW-216	N1	19.00	29.00	1	
9	789MW-222_0624 9	WG	6/21/24	1100	TM	X	WL-789MW-222	N1	18.00	28.00	1	
10	789MW-222_0624-MS 9	WG	6/21/24	1100	TM	X	WL-789MW-222	MS1	18.00	28.00	1	

INITIAL ASSESSMENT
LABEL VERIFICATION
2.21R1

Relinquished by: *(Signature)* B R Pollard/ECC
Date 6/21/24
Time 1330
Received by: *(Signature)*

Date 6/22/24
Time 915
Shipping Date:
Received by Laboratory: ***(Signature, Date, Time)*** & conditio

GRFIS_COC_2024 Griffiss Petro Q2

FC16676: Chain of Custody
Page 1 of 3

CHAIN-OF-CUSTODY RECORD

BEAB
Todd Calhoun
445 Union Boulevard, Suite 129 Lakewood, CO 80228
Please add area code, 720.463.3906, , add e-mail

COC # SS067GW24Q2 FC16676

11	789MW-222_0624-SD 9	WG	6/21/24	1100	TM	X										WL-789MW-222	SD1	18.00	28.00	1	
12	789MW-251_0624 10	WG	6/20/24	1705	TM	X										WL-789MW-251	N1	4.80	29.80	1	
13	789SW-02_0624 11	WG	6/21/24	0830	BP	X										789SW-02	N1	0.00	0.00	1	
14	789SW-03_0624 12	WG	6/21/24	0840	TM	X										789SW-03	N1	0.00	0.00	1	
15	789SW-04_0624 13	WG	6/21/24	0850	BP	X										789SW-04	N1	0.00	0.00	1	
16	789-AB01_0624-D 14	WQ	6/21/24	1130	TM	X										FIELDQC	AB1	0.00	0.00	1	
17	789-TB01_0624-C 15	WQ	6/20/24	0000	—	X										FIELDQC	TB1	0.00	0.00	1	

Turnaround Time: 21 days

Relinquished by: *(Signature)* B R Pollock/ECC
Date 6/21/2024
Time 1330
Received by: *(Signature)*

GRFIS_COC_2024 Griffiss Petro Q2

Date
Time
Shipping Date:
Received by Laboratory: ***(Signature, Date, Time)*** & conditio

FC16676: Chain of Custody
Page 2 of 3

SGS - Orlando Sample Receipt Summary

Job Number: fc16676 **Client:** BHATE **Project:** 2024 GRIFFISS PETRO Q2

Date / Time Received: 6/22/2024 9:15:00 AM **Delivery Method:** FEDEX **Airbill #'s:** 276198207642

Cooler Temps (Raw Measured) °C: Cooler 1: (2.2);

Cooler Temps (Corrected) °C: Cooler 1: (1.8);

Cooler Information	Y	or	N
1. Custody Seals Present:	☑		☐
2. Custody Seals Intact:	☑		☐
3. Temp criteria achieved:	☑		☐
4. Cooler temp verification:	IR Gun		
5. Cooler media:	Ice (Bag)		

Trip Blank Information	Y	or	N	N/A
1. Trip Blank present / cooler:	☑		☐	☐
2. Trip Blank listed on COC:	☑		☐	☐

	W	or	S	N/A
3. Type of TB Received	☑		☐	☐

Sample Information	Y	or	N	N/A
1. Sample labels present on bottles:	☑		☐	
2. Samples presented properly	☑		☐	
3. Sufficient volume/containers recv'd for analysis	☑		☐	
4. Condition of sample:	Intact			
5. Sample recv'd within HT	☑		☐	
6. Dates/Times/IDs on COC match sample label	☑		☐	
7. VOCs have headspace	☐		☑	☐
8. Bottles received for unspecified tests	☐		☑	
9. Compositing instructions clear	☐		☐	☑
10. Voa Soil Kits/Jars received past 48hrs?	☐		☐	☑
11. % Solids Jar Received?	☐		☐	☑
12. Residual Chlorine Present?	☐		☐	☑

Misc Information

Number of Encores: 25 Gram 5 Gram

Number of Lab Filtered Metals:

Test Strip Lot #s: pH 0-3: 226422 pH 10-12: Other: (Specify) pH 1.0 - 12.0 222221

Residual Chlorine Test Strip Lot #

Comments

Sample Receipt Summary 112723 EK Technician: ZANEB Date: 6/22/2024 11:32:26 AM Reviewer: Date:

QC Evaluation: DOD QSM5.x Limits

Job Number: FC16676
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 06/20/24 thru 06/21/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
V2A1914	SW846 8260D						
V2A1914-BS	67-64-1	Acetone	BSP	REC	103	%	39-160
V2A1914-BS	71-43-2	Benzene	BSP	REC	92	%	79-120
V2A1914-BS	108-86-1	Bromobenzene	BSP	REC	92	%	80-120
V2A1914-BS	74-97-5	Bromochloromethane	BSP	REC	87	%	78-123
V2A1914-BS	75-27-4	Bromodichloromethane	BSP	REC	86	%	79-125
V2A1914-BS	75-25-2	Bromoform	BSP	REC	96	%	66-130
V2A1914-BS	78-93-3	2-Butanone (MEK)	BSP	REC	94	%	56-143
V2A1914-BS	104-51-8	n-Butylbenzene	BSP	REC	90	%	75-128
V2A1914-BS	135-98-8	sec-Butylbenzene	BSP	REC	82	%	77-126
V2A1914-BS	98-06-6	tert-Butylbenzene	BSP	REC	85	%	78-124
V2A1914-BS	75-15-0	Carbon Disulfide	BSP	REC	82	%	64-133
V2A1914-BS	56-23-5	Carbon Tetrachloride	BSP	REC	95	%	72-136
V2A1914-BS	108-90-7	Chlorobenzene	BSP	REC	91	%	82-118
V2A1914-BS	75-00-3	Chloroethane	BSP	REC	85	%	60-138
V2A1914-BS	67-66-3	Chloroform	BSP	REC	96	%	79-124
V2A1914-BS	95-49-8	o-Chlorotoluene	BSP	REC	86	%	79-122
V2A1914-BS	106-43-4	p-Chlorotoluene	BSP	REC	85	%	78-122
V2A1914-BS	124-48-1	Dibromochloromethane	BSP	REC	99	%	74-126
V2A1914-BS	96-12-8	1,2-Dibromo-3-chloropropane	BSP	REC	96	%	62-128
V2A1914-BS	106-93-4	1,2-Dibromoethane	BSP	REC	98	%	77-121
V2A1914-BS	75-71-8	Dichlorodifluoromethane	BSP	REC	79	%	32-152
V2A1914-BS	95-50-1	1,2-Dichlorobenzene	BSP	REC	90	%	80-119
V2A1914-BS	541-73-1	1,3-Dichlorobenzene	BSP	REC	87	%	80-119
V2A1914-BS	106-46-7	1,4-Dichlorobenzene	BSP	REC	89	%	79-118
V2A1914-BS	75-34-3	1,1-Dichloroethane	BSP	REC	88	%	77-125
V2A1914-BS	107-06-2	1,2-Dichloroethane	BSP	REC	92	%	73-128
V2A1914-BS	75-35-4	1,1-Dichloroethylene	BSP	REC	90	%	71-131
V2A1914-BS	156-59-2	cis-1,2-Dichloroethylene	BSP	REC	90	%	78-123
V2A1914-BS	156-60-5	trans-1,2-Dichloroethylene	BSP	REC	89	%	75-124
V2A1914-BS	540-59-0	1,2-Dichloroethene (total)	BSP	REC	90	%	79-121
V2A1914-BS	78-87-5	1,2-Dichloropropane	BSP	REC	94	%	78-122
V2A1914-BS	142-28-9	1,3-Dichloropropane	BSP	REC	104	%	80-119
V2A1914-BS	594-20-7	2,2-Dichloropropane	BSP	REC	93	%	60-139
V2A1914-BS	563-58-6	1,1-Dichloropropene	BSP	REC	97	%	79-125
V2A1914-BS	10061-01-5	cis-1,3-Dichloropropene	BSP	REC	92	%	75-124
V2A1914-BS	10061-02-6	trans-1,3-Dichloropropene	BSP	REC	90	%	73-127
V2A1914-BS	100-41-4	Ethylbenzene	BSP	REC	90	%	79-121
V2A1914-BS	87-68-3	Hexachlorobutadiene	BSP	REC	94	%	66-134
V2A1914-BS	591-78-6	2-Hexanone	BSP	REC	102	%	57-139
V2A1914-BS	98-82-8	Isopropylbenzene	BSP	REC	87	%	72-131
V2A1914-BS	99-87-6	p-Isopropyltoluene	BSP	REC	85	%	77-127
V2A1914-BS	74-83-9	Methyl Bromide	BSP	REC	90	%	53-141

* Sample used for QC is not from job FC16676

QC Evaluation: DOD QSM5.x Limits

Job Number: FC16676
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 06/20/24 thru 06/21/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
V2A1914-BS	74-87-3	Methyl Chloride	BSP	REC	76	%	50-139
V2A1914-BS	74-95-3	Methylene Bromide	BSP	REC	93	%	79-123
V2A1914-BS	75-09-2	Methylene Chloride	BSP	REC	94	%	74-124
V2A1914-BS	108-10-1	4-Methyl-2-pentanone (MIBK)	BSP	REC	100	%	67-130
V2A1914-BS	1634-04-4	Methyl Tert Butyl Ether	BSP	REC	93	%	71-124
V2A1914-BS	91-20-3	Naphthalene	BSP	REC	92	%	61-128
V2A1914-BS	103-65-1	n-Propylbenzene	BSP	REC	87	%	76-126
V2A1914-BS	100-42-5	Styrene	BSP	REC	90	%	78-123
V2A1914-BS	630-20-6	1,1,1,2-Tetrachloroethane	BSP	REC	94	%	78-124
V2A1914-BS	79-34-5	1,1,2,2-Tetrachloroethane	BSP	REC	91	%	71-121
V2A1914-BS	127-18-4	Tetrachloroethylene	BSP	REC	96	%	74-129
V2A1914-BS	108-88-3	Toluene	BSP	REC	93	%	80-121
V2A1914-BS	87-61-6	1,2,3-Trichlorobenzene	BSP	REC	91	%	69-129
V2A1914-BS	120-82-1	1,2,4-Trichlorobenzene	BSP	REC	92	%	69-130
V2A1914-BS	71-55-6	1,1,1-Trichloroethane	BSP	REC	87	%	74-131
V2A1914-BS	79-00-5	1,1,2-Trichloroethane	BSP	REC	89	%	80-119
V2A1914-BS	79-01-6	Trichloroethylene	BSP	REC	91	%	79-123
V2A1914-BS	75-69-4	Trichlorofluoromethane	BSP	REC	90	%	65-141
V2A1914-BS	96-18-4	1,2,3-Trichloropropane	BSP	REC	102	%	73-122
V2A1914-BS	95-63-6	1,2,4-Trimethylbenzene	BSP	REC	89	%	76-124
V2A1914-BS	108-67-8	1,3,5-Trimethylbenzene	BSP	REC	87	%	75-124
V2A1914-BS	108-05-4	Vinyl Acetate	BSP	REC	111	%	54-146
V2A1914-BS	75-01-4	Vinyl Chloride	BSP	REC	77	%	58-137
V2A1914-BS		m,p-Xylene	BSP	REC	88	%	80-121
V2A1914-BS	95-47-6	o-Xylene	BSP	REC	87	%	78-122
V2A1914-BS	1330-20-7	Xylene (total)	BSP	REC	88	%	79-121
V2A1914-BS	1868-53-7	Dibromofluoromethane	BSP	SURR	97	%	80-119
V2A1914-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	101	%	81-118
V2A1914-BS	2037-26-5	Toluene-D8	BSP	SURR	101	%	89-112
V2A1914-BS	460-00-4	4-Bromofluorobenzene	BSP	SURR	99	%	85-114
FC16676-9MS	67-64-1	Acetone	MS	REC	86	%	39-160
FC16676-9MS	71-43-2	Benzene	MS	REC	88	%	79-120
FC16676-9MS	108-86-1	Bromobenzene	MS	REC	90	%	80-120
FC16676-9MS	74-97-5	Bromochloromethane	MS	REC	86	%	78-123
FC16676-9MS	75-27-4	Bromodichloromethane	MS	REC	82	%	79-125
FC16676-9MS	75-25-2	Bromoform	MS	REC	80	%	66-130
FC16676-9MS	78-93-3	2-Butanone (MEK)	MS	REC	82	%	56-143
FC16676-9MS	104-51-8	n-Butylbenzene	MS	REC	92	%	75-128
FC16676-9MS	135-98-8	sec-Butylbenzene	MS	REC	84	%	77-126
FC16676-9MS	98-06-6	tert-Butylbenzene	MS	REC	86	%	78-124
FC16676-9MS	75-15-0	Carbon Disulfide	MS	REC	76	%	64-133
FC16676-9MS	56-23-5	Carbon Tetrachloride	MS	REC	90	%	72-136
FC16676-9MS	108-90-7	Chlorobenzene	MS	REC	87	%	82-118
FC16676-9MS	75-00-3	Chloroethane	MS	REC	83	%	60-138
FC16676-9MS	67-66-3	Chloroform	MS	REC	93	%	79-124

* Sample used for QC is not from job FC16676

QC Evaluation: DOD QSM5.x Limits

Job Number: FC16676
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 06/20/24 thru 06/21/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FC16676-9MS	95-49-8	o-Chlorotoluene	MS	REC	85	%	79-122
FC16676-9MS	106-43-4	p-Chlorotoluene	MS	REC	84	%	78-122
FC16676-9MS	124-48-1	Dibromochloromethane	MS	REC	88	%	74-126
FC16676-9MS	96-12-8	1,2-Dibromo-3-chloropropane	MS	REC	84	%	62-128
FC16676-9MS	106-93-4	1,2-Dibromoethane	MS	REC	91	%	77-121
FC16676-9MS	75-71-8	Dichlorodifluoromethane	MS	REC	80	%	32-152
FC16676-9MS	95-50-1	1,2-Dichlorobenzene	MS	REC	89	%	80-119
FC16676-9MS	541-73-1	1,3-Dichlorobenzene	MS	REC	86	%	80-119
FC16676-9MS	106-46-7	1,4-Dichlorobenzene	MS	REC	87	%	79-118
FC16676-9MS	75-34-3	1,1-Dichloroethane	MS	REC	83	%	77-125
FC16676-9MS	107-06-2	1,2-Dichloroethane	MS	REC	92	%	73-128
FC16676-9MS	75-35-4	1,1-Dichloroethylene	MS	REC	90	%	71-131
FC16676-9MS	156-59-2	cis-1,2-Dichloroethylene	MS	REC	87	%	78-123
FC16676-9MS	156-60-5	trans-1,2-Dichloroethylene	MS	REC	85	%	75-124
FC16676-9MS	540-59-0	1,2-Dichloroethene (total)	MS	REC	86	%	79-121
FC16676-9MS	78-87-5	1,2-Dichloropropane	MS	REC	92	%	78-122
FC16676-9MS	142-28-9	1,3-Dichloropropane	MS	REC	97	%	80-119
FC16676-9MS	594-20-7	2,2-Dichloropropane	MS	REC	87	%	60-139
FC16676-9MS	563-58-6	1,1-Dichloropropene	MS	REC	94	%	79-125
FC16676-9MS	10061-01-5	cis-1,3-Dichloropropene	MS	REC	84	%	75-124
FC16676-9MS	10061-02-6	trans-1,3-Dichloropropene	MS	REC	81	%	73-127
FC16676-9MS	100-41-4	Ethylbenzene	MS	REC	88	%	79-121
FC16676-9MS	87-68-3	Hexachlorobutadiene	MS	REC	91	%	66-134
FC16676-9MS	591-78-6	2-Hexanone	MS	REC	93	%	57-139
FC16676-9MS	98-82-8	Isopropylbenzene	MS	REC	85	%	72-131
FC16676-9MS	99-87-6	p-Isopropyltoluene	MS	REC	85	%	77-127
FC16676-9MS	74-83-9	Methyl Bromide	MS	REC	64	%	53-141
FC16676-9MS	74-87-3	Methyl Chloride	MS	REC	73	%	50-139
FC16676-9MS	74-95-3	Methylene Bromide	MS	REC	90	%	79-123
FC16676-9MS	75-09-2	Methylene Chloride	MS	REC	86	%	74-124
FC16676-9MS	108-10-1	4-Methyl-2-pentanone (MIBK)	MS	REC	91	%	67-130
FC16676-9MS	1634-04-4	Methyl Tert Butyl Ether	MS	REC	88	%	71-124
FC16676-9MS	91-20-3	Naphthalene	MS	REC	85	%	61-128
FC16676-9MS	103-65-1	n-Propylbenzene	MS	REC	84	%	76-126
FC16676-9MS	100-42-5	Styrene	MS	REC	86	%	78-123
FC16676-9MS	630-20-6	1,1,1,2-Tetrachloroethane	MS	REC	89	%	78-124
FC16676-9MS	79-34-5	1,1,2,2-Tetrachloroethane	MS	REC	82	%	71-121
FC16676-9MS	127-18-4	Tetrachloroethylene	MS	REC	93	%	74-129
FC16676-9MS	108-88-3	Toluene	MS	REC	88	%	80-121
FC16676-9MS	87-61-6	1,2,3-Trichlorobenzene	MS	REC	88	%	69-129
FC16676-9MS	120-82-1	1,2,4-Trichlorobenzene	MS	REC	87	%	69-130
FC16676-9MS	71-55-6	1,1,1-Trichloroethane	MS	REC	86	%	74-131
FC16676-9MS	79-00-5	1,1,2-Trichloroethane	MS	REC	84	%	80-119
FC16676-9MS	79-01-6	Trichloroethylene	MS	REC	88	%	79-123
FC16676-9MS	75-69-4	Trichlorofluoromethane	MS	REC	90	%	65-141

* Sample used for QC is not from job FC16676

QC Evaluation: DOD QSM5.x Limits

Job Number: FC16676
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 06/20/24 thru 06/21/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FC16676-9MS	96-18-4	1,2,3-Trichloropropane	MS	REC	98	%	73-122
FC16676-9MS	95-63-6	1,2,4-Trimethylbenzene	MS	REC	88	%	76-124
FC16676-9MS	108-67-8	1,3,5-Trimethylbenzene	MS	REC	86	%	75-124
FC16676-9MS	108-05-4	Vinyl Acetate	MS	REC	93	%	54-146
FC16676-9MS	75-01-4	Vinyl Chloride	MS	REC	76	%	58-137
FC16676-9MS		m,p-Xylene	MS	REC	85	%	80-121
FC16676-9MS	95-47-6	o-Xylene	MS	REC	83	%	78-122
FC16676-9MS	1330-20-7	Xylene (total)	MS	REC	84	%	79-121
FC16676-9MS	1868-53-7	Dibromofluoromethane	MS	SURR	98	%	80-119
FC16676-9MS	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	101	%	81-118
FC16676-9MS	2037-26-5	Toluene-D8	MS	SURR	101	%	89-112
FC16676-9MS	460-00-4	4-Bromofluorobenzene	MS	SURR	99	%	85-114
FC16676-9MSD	67-64-1	Acetone	MSD	REC	85	%	39-160
FC16676-9MSD	67-64-1	Acetone	MSD	RPD	2	%	20
FC16676-9MSD	71-43-2	Benzene	MSD	REC	94	%	79-120
FC16676-9MSD	71-43-2	Benzene	MSD	RPD	7	%	20
FC16676-9MSD	108-86-1	Bromobenzene	MSD	REC	96	%	80-120
FC16676-9MSD	108-86-1	Bromobenzene	MSD	RPD	7	%	20
FC16676-9MSD	74-97-5	Bromochloromethane	MSD	REC	90	%	78-123
FC16676-9MSD	74-97-5	Bromochloromethane	MSD	RPD	5	%	20
FC16676-9MSD	75-27-4	Bromodichloromethane	MSD	REC	85	%	79-125
FC16676-9MSD	75-27-4	Bromodichloromethane	MSD	RPD	3	%	20
FC16676-9MSD	75-25-2	Bromoform	MSD	REC	89	%	66-130
FC16676-9MSD	75-25-2	Bromoform	MSD	RPD	11	%	20
FC16676-9MSD	78-93-3	2-Butanone (MEK)	MSD	REC	82	%	56-143
FC16676-9MSD	78-93-3	2-Butanone (MEK)	MSD	RPD	1	%	20
FC16676-9MSD	104-51-8	n-Butylbenzene	MSD	REC	101	%	75-128
FC16676-9MSD	104-51-8	n-Butylbenzene	MSD	RPD	9	%	20
FC16676-9MSD	135-98-8	sec-Butylbenzene	MSD	REC	91	%	77-126
FC16676-9MSD	135-98-8	sec-Butylbenzene	MSD	RPD	8	%	20
FC16676-9MSD	98-06-6	tert-Butylbenzene	MSD	REC	92	%	78-124
FC16676-9MSD	98-06-6	tert-Butylbenzene	MSD	RPD	7	%	20
FC16676-9MSD	75-15-0	Carbon Disulfide	MSD	REC	81	%	64-133
FC16676-9MSD	75-15-0	Carbon Disulfide	MSD	RPD	6	%	20
FC16676-9MSD	56-23-5	Carbon Tetrachloride	MSD	REC	98	%	72-136
FC16676-9MSD	56-23-5	Carbon Tetrachloride	MSD	RPD	9	%	20
FC16676-9MSD	108-90-7	Chlorobenzene	MSD	REC	95	%	82-118
FC16676-9MSD	108-90-7	Chlorobenzene	MSD	RPD	9	%	20
FC16676-9MSD	75-00-3	Chloroethane	MSD	REC	79	%	60-138
FC16676-9MSD	75-00-3	Chloroethane	MSD	RPD	5	%	20
FC16676-9MSD	67-66-3	Chloroform	MSD	REC	99	%	79-124
FC16676-9MSD	67-66-3	Chloroform	MSD	RPD	6	%	20
FC16676-9MSD	95-49-8	o-Chlorotoluene	MSD	REC	91	%	79-122
FC16676-9MSD	95-49-8	o-Chlorotoluene	MSD	RPD	7	%	20
FC16676-9MSD	106-43-4	p-Chlorotoluene	MSD	REC	90	%	78-122

* Sample used for QC is not from job FC16676

QC Evaluation: DOD QSM5.x Limits

Job Number: FC16676
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 06/20/24 thru 06/21/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FC16676-9MSD	106-43-4	p-Chlorotoluene	MSD	RPD	7	%	20
FC16676-9MSD	124-48-1	Dibromochloromethane	MSD	REC	94	%	74-126
FC16676-9MSD	124-48-1	Dibromochloromethane	MSD	RPD	7	%	20
FC16676-9MSD	96-12-8	1,2-Dibromo-3-chloropropane	MSD	REC	94	%	62-128
FC16676-9MSD	96-12-8	1,2-Dibromo-3-chloropropane	MSD	RPD	11	%	20
FC16676-9MSD	106-93-4	1,2-Dibromoethane	MSD	REC	96	%	77-121
FC16676-9MSD	106-93-4	1,2-Dibromoethane	MSD	RPD	5	%	20
FC16676-9MSD	75-71-8	Dichlorodifluoromethane	MSD	REC	77	%	32-152
FC16676-9MSD	75-71-8	Dichlorodifluoromethane	MSD	RPD	4	%	20
FC16676-9MSD	95-50-1	1,2-Dichlorobenzene	MSD	REC	94	%	80-119
FC16676-9MSD	95-50-1	1,2-Dichlorobenzene	MSD	RPD	6	%	20
FC16676-9MSD	541-73-1	1,3-Dichlorobenzene	MSD	REC	92	%	80-119
FC16676-9MSD	541-73-1	1,3-Dichlorobenzene	MSD	RPD	6	%	20
FC16676-9MSD	106-46-7	1,4-Dichlorobenzene	MSD	REC	93	%	79-118
FC16676-9MSD	106-46-7	1,4-Dichlorobenzene	MSD	RPD	6	%	20
FC16676-9MSD	75-34-3	1,1-Dichloroethane	MSD	REC	88	%	77-125
FC16676-9MSD	75-34-3	1,1-Dichloroethane	MSD	RPD	6	%	20
FC16676-9MSD	107-06-2	1,2-Dichloroethane	MSD	REC	95	%	73-128
FC16676-9MSD	107-06-2	1,2-Dichloroethane	MSD	RPD	4	%	20
FC16676-9MSD	75-35-4	1,1-Dichloroethylene	MSD	REC	95	%	71-131
FC16676-9MSD	75-35-4	1,1-Dichloroethylene	MSD	RPD	5	%	20
FC16676-9MSD	156-59-2	cis-1,2-Dichloroethylene	MSD	REC	91	%	78-123
FC16676-9MSD	156-59-2	cis-1,2-Dichloroethylene	MSD	RPD	5	%	20
FC16676-9MSD	156-60-5	trans-1,2-Dichloroethylene	MSD	REC	90	%	75-124
FC16676-9MSD	156-60-5	trans-1,2-Dichloroethylene	MSD	RPD	6	%	20
FC16676-9MSD	540-59-0	1,2-Dichloroethene (total)	MSD	REC	91	%	79-121
FC16676-9MSD	540-59-0	1,2-Dichloroethene (total)	MSD	RPD	6	%	20
FC16676-9MSD	78-87-5	1,2-Dichloropropane	MSD	REC	94	%	78-122
FC16676-9MSD	78-87-5	1,2-Dichloropropane	MSD	RPD	3	%	20
FC16676-9MSD	142-28-9	1,3-Dichloropropane	MSD	REC	104	%	80-119
FC16676-9MSD	142-28-9	1,3-Dichloropropane	MSD	RPD	7	%	20
FC16676-9MSD	594-20-7	2,2-Dichloropropane	MSD	REC	92	%	60-139
FC16676-9MSD	594-20-7	2,2-Dichloropropane	MSD	RPD	5	%	20
FC16676-9MSD	563-58-6	1,1-Dichloropropene	MSD	REC	100	%	79-125
FC16676-9MSD	563-58-6	1,1-Dichloropropene	MSD	RPD	7	%	20
FC16676-9MSD	10061-01-5	cis-1,3-Dichloropropene	MSD	REC	90	%	75-124
FC16676-9MSD	10061-01-5	cis-1,3-Dichloropropene	MSD	RPD	7	%	20
FC16676-9MSD	10061-02-6	trans-1,3-Dichloropropene	MSD	REC	87	%	73-127
FC16676-9MSD	10061-02-6	trans-1,3-Dichloropropene	MSD	RPD	8	%	20
FC16676-9MSD	100-41-4	Ethylbenzene	MSD	REC	94	%	79-121
FC16676-9MSD	100-41-4	Ethylbenzene	MSD	RPD	7	%	20
FC16676-9MSD	87-68-3	Hexachlorobutadiene	MSD	REC	98	%	66-134
FC16676-9MSD	87-68-3	Hexachlorobutadiene	MSD	RPD	8	%	20
FC16676-9MSD	591-78-6	2-Hexanone	MSD	REC	94	%	57-139
FC16676-9MSD	591-78-6	2-Hexanone	MSD	RPD	1	%	20

* Sample used for QC is not from job FC16676

QC Evaluation: DOD QSM5.x Limits

Job Number: FC16676
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 06/20/24 thru 06/21/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FC16676-9MSD	98-82-8	Isopropylbenzene	MSD	REC	91	%	72-131
FC16676-9MSD	98-82-8	Isopropylbenzene	MSD	RPD	7	%	20
FC16676-9MSD	99-87-6	p-Isopropyltoluene	MSD	REC	92	%	77-127
FC16676-9MSD	99-87-6	p-Isopropyltoluene	MSD	RPD	8	%	20
FC16676-9MSD	74-83-9	Methyl Bromide	MSD	REC	74	%	53-141
FC16676-9MSD	74-83-9	Methyl Bromide	MSD	RPD	15	%	20
FC16676-9MSD	74-87-3	Methyl Chloride	MSD	REC	70	%	50-139
FC16676-9MSD	74-87-3	Methyl Chloride	MSD	RPD	4	%	20
FC16676-9MSD	74-95-3	Methylene Bromide	MSD	REC	95	%	79-123
FC16676-9MSD	74-95-3	Methylene Bromide	MSD	RPD	6	%	20
FC16676-9MSD	75-09-2	Methylene Chloride	MSD	REC	93	%	74-124
FC16676-9MSD	75-09-2	Methylene Chloride	MSD	RPD	8	%	20
FC16676-9MSD	108-10-1	4-Methyl-2-pentanone (MIBK)	MSD	REC	90	%	67-130
FC16676-9MSD	108-10-1	4-Methyl-2-pentanone (MIBK)	MSD	RPD	1	%	20
FC16676-9MSD	1634-04-4	Methyl Tert Butyl Ether	MSD	REC	94	%	71-124
FC16676-9MSD	1634-04-4	Methyl Tert Butyl Ether	MSD	RPD	7	%	20
FC16676-9MSD	91-20-3	Naphthalene	MSD	REC	92	%	61-128
FC16676-9MSD	91-20-3	Naphthalene	MSD	RPD	8	%	20
FC16676-9MSD	103-65-1	n-Propylbenzene	MSD	REC	91	%	76-126
FC16676-9MSD	103-65-1	n-Propylbenzene	MSD	RPD	7	%	20
FC16676-9MSD	100-42-5	Styrene	MSD	REC	92	%	78-123
FC16676-9MSD	100-42-5	Styrene	MSD	RPD	7	%	20
FC16676-9MSD	630-20-6	1,1,1,2-Tetrachloroethane	MSD	REC	97	%	78-124
FC16676-9MSD	630-20-6	1,1,1,2-Tetrachloroethane	MSD	RPD	9	%	20
FC16676-9MSD	79-34-5	1,1,2,2-Tetrachloroethane	MSD	REC	91	%	71-121
FC16676-9MSD	79-34-5	1,1,2,2-Tetrachloroethane	MSD	RPD	10	%	20
FC16676-9MSD	127-18-4	Tetrachloroethylene	MSD	REC	100	%	74-129
FC16676-9MSD	127-18-4	Tetrachloroethylene	MSD	RPD	7	%	20
FC16676-9MSD	108-88-3	Toluene	MSD	REC	95	%	80-121
FC16676-9MSD	108-88-3	Toluene	MSD	RPD	7	%	20
FC16676-9MSD	87-61-6	1,2,3-Trichlorobenzene	MSD	REC	95	%	69-129
FC16676-9MSD	87-61-6	1,2,3-Trichlorobenzene	MSD	RPD	7	%	20
FC16676-9MSD	120-82-1	1,2,4-Trichlorobenzene	MSD	REC	95	%	69-130
FC16676-9MSD	120-82-1	1,2,4-Trichlorobenzene	MSD	RPD	8	%	20
FC16676-9MSD	71-55-6	1,1,1-Trichloroethane	MSD	REC	92	%	74-131
FC16676-9MSD	71-55-6	1,1,1-Trichloroethane	MSD	RPD	6	%	20
FC16676-9MSD	79-00-5	1,1,2-Trichloroethane	MSD	REC	90	%	80-119
FC16676-9MSD	79-00-5	1,1,2-Trichloroethane	MSD	RPD	7	%	20
FC16676-9MSD	79-01-6	Trichloroethylene	MSD	REC	94	%	79-123
FC16676-9MSD	79-01-6	Trichloroethylene	MSD	RPD	7	%	20
FC16676-9MSD	75-69-4	Trichlorofluoromethane	MSD	REC	87	%	65-141
FC16676-9MSD	75-69-4	Trichlorofluoromethane	MSD	RPD	4	%	20
FC16676-9MSD	96-18-4	1,2,3-Trichloropropane	MSD	REC	104	%	73-122
FC16676-9MSD	96-18-4	1,2,3-Trichloropropane	MSD	RPD	6	%	20
FC16676-9MSD	95-63-6	1,2,4-Trimethylbenzene	MSD	REC	94	%	76-124

* Sample used for QC is not from job FC16676

QC Evaluation: DOD QSM5.x Limits

Job Number: FC16676
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 06/20/24 thru 06/21/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FC16676-9MSD	95-63-6	1,2,4-Trimethylbenzene	MSD	RPD	6	%	20
FC16676-9MSD	108-67-8	1,3,5-Trimethylbenzene	MSD	REC	92	%	75-124
FC16676-9MSD	108-67-8	1,3,5-Trimethylbenzene	MSD	RPD	6	%	20
FC16676-9MSD	108-05-4	Vinyl Acetate	MSD	REC	91	%	54-146
FC16676-9MSD	108-05-4	Vinyl Acetate	MSD	RPD	2	%	20
FC16676-9MSD	75-01-4	Vinyl Chloride	MSD	REC	72	%	58-137
FC16676-9MSD	75-01-4	Vinyl Chloride	MSD	RPD	6	%	20
FC16676-9MSD		m,p-Xylene	MSD	REC	92	%	80-121
FC16676-9MSD		m,p-Xylene	MSD	RPD	7	%	20
FC16676-9MSD	95-47-6	o-Xylene	MSD	REC	89	%	78-122
FC16676-9MSD	95-47-6	o-Xylene	MSD	RPD	7	%	20
FC16676-9MSD	1330-20-7	Xylene (total)	MSD	REC	91	%	79-121
FC16676-9MSD	1330-20-7	Xylene (total)	MSD	RPD	7	%	20
FC16676-9MSD	1868-53-7	Dibromofluoromethane	MSD	SURR	97	%	80-119
FC16676-9MSD	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	100	%	81-118
FC16676-9MSD	2037-26-5	Toluene-D8	MSD	SURR	102	%	89-112
FC16676-9MSD	460-00-4	4-Bromofluorobenzene	MSD	SURR	99	%	85-114
V2A1914-MB	1868-53-7	Dibromofluoromethane	MB	SURR	102	%	80-119
V2A1914-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	100	%	81-118
V2A1914-MB	2037-26-5	Toluene-D8	MB	SURR	99	%	89-112
V2A1914-MB	460-00-4	4-Bromofluorobenzene	MB	SURR	98	%	85-114
FC16676-1	1868-53-7	Dibromofluoromethane	SAMP	SURR	102	%	80-119
FC16676-1	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	100	%	81-118
FC16676-1	2037-26-5	Toluene-D8	SAMP	SURR	100	%	89-112
FC16676-1	460-00-4	4-Bromofluorobenzene	SAMP	SURR	99	%	85-114
FC16676-2	1868-53-7	Dibromofluoromethane	SAMP	SURR	100	%	80-119
FC16676-2	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	98	%	81-118
FC16676-2	2037-26-5	Toluene-D8	SAMP	SURR	100	%	89-112
FC16676-2	460-00-4	4-Bromofluorobenzene	SAMP	SURR	100	%	85-114
FC16676-3	1868-53-7	Dibromofluoromethane	SAMP	SURR	102	%	80-119
FC16676-3	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	102	%	81-118
FC16676-3	2037-26-5	Toluene-D8	SAMP	SURR	99	%	89-112
FC16676-3	460-00-4	4-Bromofluorobenzene	SAMP	SURR	98	%	85-114
FC16676-4	1868-53-7	Dibromofluoromethane	SAMP	SURR	102	%	80-119
FC16676-4	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	101	%	81-118
FC16676-4	2037-26-5	Toluene-D8	SAMP	SURR	99	%	89-112
FC16676-4	460-00-4	4-Bromofluorobenzene	SAMP	SURR	98	%	85-114
FC16676-5	1868-53-7	Dibromofluoromethane	SAMP	SURR	99	%	80-119
FC16676-5	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	99	%	81-118
FC16676-5	2037-26-5	Toluene-D8	SAMP	SURR	100	%	89-112
FC16676-5	460-00-4	4-Bromofluorobenzene	SAMP	SURR	99	%	85-114
FC16676-6	1868-53-7	Dibromofluoromethane	SAMP	SURR	98	%	80-119
FC16676-6	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	98	%	81-118
FC16676-6	2037-26-5	Toluene-D8	SAMP	SURR	99	%	89-112
FC16676-6	460-00-4	4-Bromofluorobenzene	SAMP	SURR	100	%	85-114

* Sample used for QC is not from job FC16676

QC Evaluation: DOD QSM5.x Limits

Job Number: FC16676
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 06/20/24 thru 06/21/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FC16676-7	1868-53-7	Dibromofluoromethane	SAMP	SURR	98	%	80-119
FC16676-7	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	98	%	81-118
FC16676-7	2037-26-5	Toluene-D8	SAMP	SURR	99	%	89-112
FC16676-7	460-00-4	4-Bromofluorobenzene	SAMP	SURR	99	%	85-114
FC16676-8	1868-53-7	Dibromofluoromethane	SAMP	SURR	102	%	80-119
FC16676-8	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	101	%	81-118
FC16676-8	2037-26-5	Toluene-D8	SAMP	SURR	99	%	89-112
FC16676-8	460-00-4	4-Bromofluorobenzene	SAMP	SURR	99	%	85-114
FC16676-9	1868-53-7	Dibromofluoromethane	SAMP	SURR	102	%	80-119
FC16676-9	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	101	%	81-118
FC16676-9	2037-26-5	Toluene-D8	SAMP	SURR	99	%	89-112
FC16676-9	460-00-4	4-Bromofluorobenzene	SAMP	SURR	98	%	85-114
FC16676-10	1868-53-7	Dibromofluoromethane	SAMP	SURR	102	%	80-119
FC16676-10	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	100	%	81-118
FC16676-10	2037-26-5	Toluene-D8	SAMP	SURR	99	%	89-112
FC16676-10	460-00-4	4-Bromofluorobenzene	SAMP	SURR	98	%	85-114
FC16676-11	1868-53-7	Dibromofluoromethane	SAMP	SURR	103	%	80-119
FC16676-11	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	101	%	81-118
FC16676-11	2037-26-5	Toluene-D8	SAMP	SURR	99	%	89-112
FC16676-11	460-00-4	4-Bromofluorobenzene	SAMP	SURR	99	%	85-114
FC16676-12	1868-53-7	Dibromofluoromethane	SAMP	SURR	103	%	80-119
FC16676-12	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	100	%	81-118
FC16676-12	2037-26-5	Toluene-D8	SAMP	SURR	99	%	89-112
FC16676-12	460-00-4	4-Bromofluorobenzene	SAMP	SURR	98	%	85-114
FC16676-13	1868-53-7	Dibromofluoromethane	SAMP	SURR	103	%	80-119
FC16676-13	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	100	%	81-118
FC16676-13	2037-26-5	Toluene-D8	SAMP	SURR	98	%	89-112
FC16676-13	460-00-4	4-Bromofluorobenzene	SAMP	SURR	98	%	85-114
FC16676-14	1868-53-7	Dibromofluoromethane	SAMP	SURR	101	%	80-119
FC16676-14	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	100	%	81-118
FC16676-14	2037-26-5	Toluene-D8	SAMP	SURR	99	%	89-112
FC16676-14	460-00-4	4-Bromofluorobenzene	SAMP	SURR	99	%	85-114
FC16676-15	1868-53-7	Dibromofluoromethane	SAMP	SURR	103	%	80-119
FC16676-15	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	101	%	81-118
FC16676-15	2037-26-5	Toluene-D8	SAMP	SURR	100	%	89-112
FC16676-15	460-00-4	4-Bromofluorobenzene	SAMP	SURR	98	%	85-114
V2A1921	SW846 8260D						
V2A1921-BS	67-64-1	Acetone	BSP	REC	106	%	39-160
V2A1921-BS	71-43-2	Benzene	BSP	REC	90	%	79-120
V2A1921-BS	108-86-1	Bromobenzene	BSP	REC	89	%	80-120
V2A1921-BS	74-97-5	Bromochloromethane	BSP	REC	89	%	78-123
V2A1921-BS	75-27-4	Bromodichloromethane	BSP	REC	85	%	79-125
V2A1921-BS	75-25-2	Bromoform	BSP	REC	97	%	66-130

* Sample used for QC is not from job FC16676

QC Evaluation: DOD QSM5.x Limits

Job Number: FC16676
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 06/20/24 thru 06/21/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
V2A1921-BS	78-93-3	2-Butanone (MEK)	BSP	REC	94	%	56-143
V2A1921-BS	104-51-8	n-Butylbenzene	BSP	REC	86	%	75-128
V2A1921-BS	135-98-8	sec-Butylbenzene	BSP	REC	78	%	77-126
V2A1921-BS	98-06-6	tert-Butylbenzene	BSP	REC	82	%	78-124
V2A1921-BS	75-15-0	Carbon Disulfide	BSP	REC	78	%	64-133
V2A1921-BS	56-23-5	Carbon Tetrachloride	BSP	REC	100	%	72-136
V2A1921-BS	108-90-7	Chlorobenzene	BSP	REC	88	%	82-118
V2A1921-BS	75-00-3	Chloroethane	BSP	REC	114	%	60-138
V2A1921-BS	67-66-3	Chloroform	BSP	REC	96	%	79-124
V2A1921-BS	95-49-8	o-Chlorotoluene	BSP	REC	83	%	79-122
V2A1921-BS	106-43-4	p-Chlorotoluene	BSP	REC	81	%	78-122
V2A1921-BS	124-48-1	Dibromochloromethane	BSP	REC	96	%	74-126
V2A1921-BS	96-12-8	1,2-Dibromo-3-chloropropane	BSP	REC	92	%	62-128
V2A1921-BS	106-93-4	1,2-Dibromoethane	BSP	REC	95	%	77-121
V2A1921-BS	75-71-8	Dichlorodifluoromethane	BSP	REC	156	%	32-152
V2A1921-BS	95-50-1	1,2-Dichlorobenzene	BSP	REC	87	%	80-119
V2A1921-BS	541-73-1	1,3-Dichlorobenzene	BSP	REC	84	%	80-119
V2A1921-BS	106-46-7	1,4-Dichlorobenzene	BSP	REC	86	%	79-118
V2A1921-BS	75-34-3	1,1-Dichloroethane	BSP	REC	85	%	77-125
V2A1921-BS	107-06-2	1,2-Dichloroethane	BSP	REC	95	%	73-128
V2A1921-BS	75-35-4	1,1-Dichloroethylene	BSP	REC	88	%	71-131
V2A1921-BS	156-59-2	cis-1,2-Dichloroethylene	BSP	REC	89	%	78-123
V2A1921-BS	156-60-5	trans-1,2-Dichloroethylene	BSP	REC	88	%	75-124
V2A1921-BS	540-59-0	1,2-Dichloroethene (total)	BSP	REC	88	%	79-121
V2A1921-BS	78-87-5	1,2-Dichloropropane	BSP	REC	90	%	78-122
V2A1921-BS	142-28-9	1,3-Dichloropropane	BSP	REC	98	%	80-119
V2A1921-BS	594-20-7	2,2-Dichloropropane	BSP	REC	93	%	60-139
V2A1921-BS	563-58-6	1,1-Dichloropropene	BSP	REC	95	%	79-125
V2A1921-BS	10061-01-5	cis-1,3-Dichloropropene	BSP	REC	91	%	75-124
V2A1921-BS	10061-02-6	trans-1,3-Dichloropropene	BSP	REC	88	%	73-127
V2A1921-BS	100-41-4	Ethylbenzene	BSP	REC	88	%	79-121
V2A1921-BS	87-68-3	Hexachlorobutadiene	BSP	REC	94	%	66-134
V2A1921-BS	591-78-6	2-Hexanone	BSP	REC	98	%	57-139
V2A1921-BS	98-82-8	Isopropylbenzene	BSP	REC	84	%	72-131
V2A1921-BS	99-87-6	p-Isopropyltoluene	BSP	REC	80	%	77-127
V2A1921-BS	74-83-9	Methyl Bromide	BSP	REC	98	%	53-141
V2A1921-BS	74-87-3	Methyl Chloride	BSP	REC	106	%	50-139
V2A1921-BS	74-95-3	Methylene Bromide	BSP	REC	93	%	79-123
V2A1921-BS	75-09-2	Methylene Chloride	BSP	REC	93	%	74-124
V2A1921-BS	108-10-1	4-Methyl-2-pentanone (MIBK)	BSP	REC	94	%	67-130
V2A1921-BS	1634-04-4	Methyl Tert Butyl Ether	BSP	REC	92	%	71-124
V2A1921-BS	91-20-3	Naphthalene	BSP	REC	87	%	61-128
V2A1921-BS	103-65-1	n-Propylbenzene	BSP	REC	82	%	76-126
V2A1921-BS	100-42-5	Styrene	BSP	REC	86	%	78-123
V2A1921-BS	630-20-6	1,1,1,2-Tetrachloroethane	BSP	REC	93	%	78-124

* Sample used for QC is not from job FC16676

QC Evaluation: DOD QSM5.x Limits

Job Number: FC16676
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 06/20/24 thru 06/21/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
V2A1921-BS	79-34-5	1,1,2,2-Tetrachloroethane	BSP	REC	83	%	71-121
V2A1921-BS	127-18-4	Tetrachloroethylene	BSP	REC	97	%	74-129
V2A1921-BS	108-88-3	Toluene	BSP	REC	88	%	80-121
V2A1921-BS	87-61-6	1,2,3-Trichlorobenzene	BSP	REC	89	%	69-129
V2A1921-BS	120-82-1	1,2,4-Trichlorobenzene	BSP	REC	88	%	69-130
V2A1921-BS	71-55-6	1,1,1-Trichloroethane	BSP	REC	88	%	74-131
V2A1921-BS	79-00-5	1,1,2-Trichloroethane	BSP	REC	86	%	80-119
V2A1921-BS	79-01-6	Trichloroethylene	BSP	REC	92	%	79-123
V2A1921-BS	75-69-4	Trichlorofluoromethane	BSP	REC	110	%	65-141
V2A1921-BS	96-18-4	1,2,3-Trichloropropane	BSP	REC	99	%	73-122
V2A1921-BS	95-63-6	1,2,4-Trimethylbenzene	BSP	REC	85	%	76-124
V2A1921-BS	108-67-8	1,3,5-Trimethylbenzene	BSP	REC	83	%	75-124
V2A1921-BS	108-05-4	Vinyl Acetate	BSP	REC	105	%	54-146
V2A1921-BS	75-01-4	Vinyl Chloride	BSP	REC	105	%	58-137
V2A1921-BS		m,p-Xylene	BSP	REC	87	%	80-121
V2A1921-BS	95-47-6	o-Xylene	BSP	REC	84	%	78-122
V2A1921-BS	1330-20-7	Xylene (total)	BSP	REC	86	%	79-121
V2A1921-BS	1868-53-7	Dibromofluoromethane	BSP	SURR	100	%	80-119
V2A1921-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	104	%	81-118
V2A1921-BS	2037-26-5	Toluene-D8	BSP	SURR	98	%	89-112
V2A1921-BS	460-00-4	4-Bromofluorobenzene	BSP	SURR	98	%	85-114
FC16907-3MS*	67-64-1	Acetone	MS	REC	206	%	39-160
FC16907-3MS*	71-43-2	Benzene	MS	REC	167	%	79-120
FC16907-3MS*	108-86-1	Bromobenzene	MS	REC	160	%	80-120
FC16907-3MS*	74-97-5	Bromochloromethane	MS	REC	169	%	78-123
FC16907-3MS*	75-27-4	Bromodichloromethane	MS	REC	160	%	79-125
FC16907-3MS*	75-25-2	Bromoform	MS	REC	174	%	66-130
FC16907-3MS*	78-93-3	2-Butanone (MEK)	MS	REC	179	%	56-143
FC16907-3MS*	104-51-8	n-Butylbenzene	MS	REC	146	%	75-128
FC16907-3MS*	135-98-8	sec-Butylbenzene	MS	REC	134	%	77-126
FC16907-3MS*	98-06-6	tert-Butylbenzene	MS	REC	141	%	78-124
FC16907-3MS*	75-15-0	Carbon Disulfide	MS	REC	130	%	64-133
FC16907-3MS*	56-23-5	Carbon Tetrachloride	MS	REC	163	%	72-136
FC16907-3MS*	108-90-7	Chlorobenzene	MS	REC	157	%	82-118
FC16907-3MS*	75-00-3	Chloroethane	MS	REC	245	%	60-138
FC16907-3MS*	67-66-3	Chloroform	MS	REC	179	%	79-124
FC16907-3MS*	95-49-8	o-Chlorotoluene	MS	REC	143	%	79-122
FC16907-3MS*	106-43-4	p-Chlorotoluene	MS	REC	142	%	78-122
FC16907-3MS*	124-48-1	Dibromochloromethane	MS	REC	179	%	74-126
FC16907-3MS*	96-12-8	1,2-Dibromo-3-chloropropane	MS	REC	174	%	62-128
FC16907-3MS*	106-93-4	1,2-Dibromoethane	MS	REC	175	%	77-121
FC16907-3MS*	75-71-8	Dichlorodifluoromethane	MS	REC	281	%	32-152
FC16907-3MS*	95-50-1	1,2-Dichlorobenzene	MS	REC	155	%	80-119
FC16907-3MS*	541-73-1	1,3-Dichlorobenzene	MS	REC	147	%	80-119
FC16907-3MS*	106-46-7	1,4-Dichlorobenzene	MS	REC	149	%	79-118

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QC Evaluation: DOD QSM5.x Limits

Job Number: FC16676
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 06/20/24 thru 06/21/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FC16907-3MS*	75-34-3	1,1-Dichloroethane	MS	REC	160	%	77-125
FC16907-3MS*	107-06-2	1,2-Dichloroethane	MS	REC	180	%	73-128
FC16907-3MS*	75-35-4	1,1-Dichloroethylene	MS	REC	160	%	71-131
FC16907-3MS*	156-59-2	cis-1,2-Dichloroethylene	MS	REC	167	%	78-123
FC16907-3MS*	156-60-5	trans-1,2-Dichloroethylene	MS	REC	158	%	75-124
FC16907-3MS*	540-59-0	1,2-Dichloroethene (total)	MS	REC	163	%	79-121
FC16907-3MS*	78-87-5	1,2-Dichloropropane	MS	REC	172	%	78-122
FC16907-3MS*	142-28-9	1,3-Dichloropropane	MS	REC	184	%	80-119
FC16907-3MS*	594-20-7	2,2-Dichloropropane	MS	REC	122	%	60-139
FC16907-3MS*	563-58-6	1,1-Dichloropropene	MS	REC	166	%	79-125
FC16907-3MS*	10061-01-5	cis-1,3-Dichloropropene	MS	REC	158	%	75-124
FC16907-3MS*	10061-02-6	trans-1,3-Dichloropropene	MS	REC	152	%	73-127
FC16907-3MS*	100-41-4	Ethylbenzene	MS	REC	149	%	79-121
FC16907-3MS*	87-68-3	Hexachlorobutadiene	MS	REC	157	%	66-134
FC16907-3MS*	591-78-6	2-Hexanone	MS	REC	183	%	57-139
FC16907-3MS*	98-82-8	Isopropylbenzene	MS	REC	145	%	72-131
FC16907-3MS*	99-87-6	p-Isopropyltoluene	MS	REC	138	%	77-127
FC16907-3MS*	74-83-9	Methyl Bromide	MS	REC	158	%	53-141
FC16907-3MS*	74-87-3	Methyl Chloride	MS	REC	204	%	50-139
FC16907-3MS*	74-95-3	Methylene Bromide	MS	REC	174	%	79-123
FC16907-3MS*	75-09-2	Methylene Chloride	MS	REC	166	%	74-124
FC16907-3MS*	108-10-1	4-Methyl-2-pentanone (MIBK)	MS	REC	178	%	67-130
FC16907-3MS*	1634-04-4	Methyl Tert Butyl Ether	MS	REC	176	%	71-124
FC16907-3MS*	91-20-3	Naphthalene	MS	REC	156	%	61-128
FC16907-3MS*	103-65-1	n-Propylbenzene	MS	REC	136	%	76-126
FC16907-3MS*	100-42-5	Styrene	MS	REC	152	%	78-123
FC16907-3MS*	630-20-6	1,1,1,2-Tetrachloroethane	MS	REC	174	%	78-124
FC16907-3MS*	79-34-5	1,1,2,2-Tetrachloroethane	MS	REC	111	%	71-121
FC16907-3MS*	127-18-4	Tetrachloroethylene	MS	REC	288	%	74-129
FC16907-3MS*	108-88-3	Toluene	MS	REC	156	%	80-121
FC16907-3MS*	87-61-6	1,2,3-Trichlorobenzene	MS	REC	154	%	69-129
FC16907-3MS*	120-82-1	1,2,4-Trichlorobenzene	MS	REC	151	%	69-130
FC16907-3MS*	71-55-6	1,1,1-Trichloroethane	MS	REC	168	%	74-131
FC16907-3MS*	79-00-5	1,1,2-Trichloroethane	MS	REC	163	%	80-119
FC16907-3MS*	79-01-6	Trichloroethylene	MS	REC	202	%	79-123
FC16907-3MS*	75-69-4	Trichlorofluoromethane	MS	REC	201	%	65-141
FC16907-3MS*	96-18-4	1,2,3-Trichloropropane	MS	REC	191	%	73-122
FC16907-3MS*	95-63-6	1,2,4-Trimethylbenzene	MS	REC	148	%	76-124
FC16907-3MS*	108-67-8	1,3,5-Trimethylbenzene	MS	REC	146	%	75-124
FC16907-3MS*	108-05-4	Vinyl Acetate	MS	REC	20	%	54-146
FC16907-3MS*	75-01-4	Vinyl Chloride	MS	REC	201	%	58-137
FC16907-3MS*		m,p-Xylene	MS	REC	147	%	80-121
FC16907-3MS*	95-47-6	o-Xylene	MS	REC	146	%	78-122
FC16907-3MS*	1330-20-7	Xylene (total)	MS	REC	147	%	79-121
FC16907-3MS*	1868-53-7	Dibromofluoromethane	MS	SURR	99	%	80-119

* Sample used for QC is not from job FC16676

QC Evaluation: DOD QSM5.x Limits

Job Number: FC16676
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 06/20/24 thru 06/21/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FC16907-3MS*	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	104	%	81-118
FC16907-3MS*	2037-26-5	Toluene-D8	MS	SURR	98	%	89-112
FC16907-3MS*	460-00-4	4-Bromofluorobenzene	MS	SURR	99	%	85-114
FC16907-3MSD*	67-64-1	Acetone	MSD	REC	212	%	39-160
FC16907-3MSD*	67-64-1	Acetone	MSD	RPD	3	%	20
FC16907-3MSD*	71-43-2	Benzene	MSD	REC	185	%	79-120
FC16907-3MSD*	71-43-2	Benzene	MSD	RPD	10	%	20
FC16907-3MSD*	108-86-1	Bromobenzene	MSD	REC	179	%	80-120
FC16907-3MSD*	108-86-1	Bromobenzene	MSD	RPD	11	%	20
FC16907-3MSD*	74-97-5	Bromochloromethane	MSD	REC	178	%	78-123
FC16907-3MSD*	74-97-5	Bromochloromethane	MSD	RPD	5	%	20
FC16907-3MSD*	75-27-4	Bromodichloromethane	MSD	REC	173	%	79-125
FC16907-3MSD*	75-27-4	Bromodichloromethane	MSD	RPD	8	%	20
FC16907-3MSD*	75-25-2	Bromoform	MSD	REC	189	%	66-130
FC16907-3MSD*	75-25-2	Bromoform	MSD	RPD	8	%	20
FC16907-3MSD*	78-93-3	2-Butanone (MEK)	MSD	REC	186	%	56-143
FC16907-3MSD*	78-93-3	2-Butanone (MEK)	MSD	RPD	4	%	20
FC16907-3MSD*	104-51-8	n-Butylbenzene	MSD	REC	168	%	75-128
FC16907-3MSD*	104-51-8	n-Butylbenzene	MSD	RPD	14	%	20
FC16907-3MSD*	135-98-8	sec-Butylbenzene	MSD	REC	157	%	77-126
FC16907-3MSD*	135-98-8	sec-Butylbenzene	MSD	RPD	15	%	20
FC16907-3MSD*	98-06-6	tert-Butylbenzene	MSD	REC	164	%	78-124
FC16907-3MSD*	98-06-6	tert-Butylbenzene	MSD	RPD	15	%	20
FC16907-3MSD*	75-15-0	Carbon Disulfide	MSD	REC	147	%	64-133
FC16907-3MSD*	75-15-0	Carbon Disulfide	MSD	RPD	12	%	20
FC16907-3MSD*	56-23-5	Carbon Tetrachloride	MSD	REC	188	%	72-136
FC16907-3MSD*	56-23-5	Carbon Tetrachloride	MSD	RPD	14	%	20
FC16907-3MSD*	108-90-7	Chlorobenzene	MSD	REC	173	%	82-118
FC16907-3MSD*	108-90-7	Chlorobenzene	MSD	RPD	10	%	20
FC16907-3MSD*	75-00-3	Chloroethane	MSD	REC	266	%	60-138
FC16907-3MSD*	75-00-3	Chloroethane	MSD	RPD	8	%	20
FC16907-3MSD*	67-66-3	Chloroform	MSD	REC	196	%	79-124
FC16907-3MSD*	67-66-3	Chloroform	MSD	RPD	9	%	20
FC16907-3MSD*	95-49-8	o-Chlorotoluene	MSD	REC	164	%	79-122
FC16907-3MSD*	95-49-8	o-Chlorotoluene	MSD	RPD	14	%	20
FC16907-3MSD*	106-43-4	p-Chlorotoluene	MSD	REC	161	%	78-122
FC16907-3MSD*	106-43-4	p-Chlorotoluene	MSD	RPD	12	%	20
FC16907-3MSD*	124-48-1	Dibromochloromethane	MSD	REC	193	%	74-126
FC16907-3MSD*	124-48-1	Dibromochloromethane	MSD	RPD	8	%	20
FC16907-3MSD*	96-12-8	1,2-Dibromo-3-chloropropane	MSD	REC	185	%	62-128
FC16907-3MSD*	96-12-8	1,2-Dibromo-3-chloropropane	MSD	RPD	6	%	20
FC16907-3MSD*	106-93-4	1,2-Dibromoethane	MSD	REC	186	%	77-121
FC16907-3MSD*	106-93-4	1,2-Dibromoethane	MSD	RPD	6	%	20
FC16907-3MSD*	75-71-8	Dichlorodifluoromethane	MSD	REC	324	%	32-152
FC16907-3MSD*	75-71-8	Dichlorodifluoromethane	MSD	RPD	14	%	20

* Sample used for QC is not from job FC16676

QC Evaluation: DOD QSM5.x Limits

Job Number: FC16676
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 06/20/24 thru 06/21/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FC16907-3MSD*	95-50-1	1,2-Dichlorobenzene	MSD	REC	172	%	80-119
FC16907-3MSD*	95-50-1	1,2-Dichlorobenzene	MSD	RPD	10	%	20
FC16907-3MSD*	541-73-1	1,3-Dichlorobenzene	MSD	REC	165	%	80-119
FC16907-3MSD*	541-73-1	1,3-Dichlorobenzene	MSD	RPD	12	%	20
FC16907-3MSD*	106-46-7	1,4-Dichlorobenzene	MSD	REC	168	%	79-118
FC16907-3MSD*	106-46-7	1,4-Dichlorobenzene	MSD	RPD	12	%	20
FC16907-3MSD*	75-34-3	1,1-Dichloroethane	MSD	REC	174	%	77-125
FC16907-3MSD*	75-34-3	1,1-Dichloroethane	MSD	RPD	8	%	20
FC16907-3MSD*	107-06-2	1,2-Dichloroethane	MSD	REC	190	%	73-128
FC16907-3MSD*	107-06-2	1,2-Dichloroethane	MSD	RPD	6	%	20
FC16907-3MSD*	75-35-4	1,1-Dichloroethylene	MSD	REC	180	%	71-131
FC16907-3MSD*	75-35-4	1,1-Dichloroethylene	MSD	RPD	11	%	20
FC16907-3MSD*	156-59-2	cis-1,2-Dichloroethylene	MSD	REC	182	%	78-123
FC16907-3MSD*	156-59-2	cis-1,2-Dichloroethylene	MSD	RPD	8	%	20
FC16907-3MSD*	156-60-5	trans-1,2-Dichloroethylene	MSD	REC	174	%	75-124
FC16907-3MSD*	156-60-5	trans-1,2-Dichloroethylene	MSD	RPD	10	%	20
FC16907-3MSD*	540-59-0	1,2-Dichloroethene (total)	MSD	REC	178	%	79-121
FC16907-3MSD*	540-59-0	1,2-Dichloroethene (total)	MSD	RPD	9	%	20
FC16907-3MSD*	78-87-5	1,2-Dichloropropane	MSD	REC	183	%	78-122
FC16907-3MSD*	78-87-5	1,2-Dichloropropane	MSD	RPD	6	%	20
FC16907-3MSD*	142-28-9	1,3-Dichloropropane	MSD	REC	198	%	80-119
FC16907-3MSD*	142-28-9	1,3-Dichloropropane	MSD	RPD	7	%	20
FC16907-3MSD*	594-20-7	2,2-Dichloropropane	MSD	REC	135	%	60-139
FC16907-3MSD*	594-20-7	2,2-Dichloropropane	MSD	RPD	10	%	20
FC16907-3MSD*	563-58-6	1,1-Dichloropropene	MSD	REC	187	%	79-125
FC16907-3MSD*	563-58-6	1,1-Dichloropropene	MSD	RPD	12	%	20
FC16907-3MSD*	10061-01-5	cis-1,3-Dichloropropene	MSD	REC	172	%	75-124
FC16907-3MSD*	10061-01-5	cis-1,3-Dichloropropene	MSD	RPD	9	%	20
FC16907-3MSD*	10061-02-6	trans-1,3-Dichloropropene	MSD	REC	164	%	73-127
FC16907-3MSD*	10061-02-6	trans-1,3-Dichloropropene	MSD	RPD	8	%	20
FC16907-3MSD*	100-41-4	Ethylbenzene	MSD	REC	171	%	79-121
FC16907-3MSD*	100-41-4	Ethylbenzene	MSD	RPD	14	%	20
FC16907-3MSD*	87-68-3	Hexachlorobutadiene	MSD	REC	184	%	66-134
FC16907-3MSD*	87-68-3	Hexachlorobutadiene	MSD	RPD	15	%	20
FC16907-3MSD*	591-78-6	2-Hexanone	MSD	REC	192	%	57-139
FC16907-3MSD*	591-78-6	2-Hexanone	MSD	RPD	5	%	20
FC16907-3MSD*	98-82-8	Isopropylbenzene	MSD	REC	165	%	72-131
FC16907-3MSD*	98-82-8	Isopropylbenzene	MSD	RPD	13	%	20
FC16907-3MSD*	99-87-6	p-Isopropyltoluene	MSD	REC	159	%	77-127
FC16907-3MSD*	99-87-6	p-Isopropyltoluene	MSD	RPD	14	%	20
FC16907-3MSD*	74-83-9	Methyl Bromide	MSD	REC	210	%	53-141
FC16907-3MSD*	74-83-9	Methyl Bromide	MSD	RPD	28	%	20
FC16907-3MSD*	74-87-3	Methyl Chloride	MSD	REC	228	%	50-139
FC16907-3MSD*	74-87-3	Methyl Chloride	MSD	RPD	11	%	20
FC16907-3MSD*	74-95-3	Methylene Bromide	MSD	REC	182	%	79-123

* Sample used for QC is not from job FC16676

QC Evaluation: DOD QSM5.x Limits

Job Number: FC16676
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 06/20/24 thru 06/21/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FC16907-3MSD*	74-95-3	Methylene Bromide	MSD	RPD	4	%	20
FC16907-3MSD*	75-09-2	Methylene Chloride	MSD	REC	177	%	74-124
FC16907-3MSD*	75-09-2	Methylene Chloride	MSD	RPD	6	%	20
FC16907-3MSD*	108-10-1	4-Methyl-2-pentanone (MIBK)	MSD	REC	186	%	67-130
FC16907-3MSD*	108-10-1	4-Methyl-2-pentanone (MIBK)	MSD	RPD	4	%	20
FC16907-3MSD*	1634-04-4	Methyl Tert Butyl Ether	MSD	REC	184	%	71-124
FC16907-3MSD*	1634-04-4	Methyl Tert Butyl Ether	MSD	RPD	5	%	20
FC16907-3MSD*	91-20-3	Naphthalene	MSD	REC	174	%	61-128
FC16907-3MSD*	91-20-3	Naphthalene	MSD	RPD	11	%	20
FC16907-3MSD*	103-65-1	n-Propylbenzene	MSD	REC	159	%	76-126
FC16907-3MSD*	103-65-1	n-Propylbenzene	MSD	RPD	15	%	20
FC16907-3MSD*	100-42-5	Styrene	MSD	REC	170	%	78-123
FC16907-3MSD*	100-42-5	Styrene	MSD	RPD	11	%	20
FC16907-3MSD*	630-20-6	1,1,1,2-Tetrachloroethane	MSD	REC	190	%	78-124
FC16907-3MSD*	630-20-6	1,1,1,2-Tetrachloroethane	MSD	RPD	9	%	20
FC16907-3MSD*	79-34-5	1,1,2,2-Tetrachloroethane	MSD	REC	121	%	71-121
FC16907-3MSD*	79-34-5	1,1,2,2-Tetrachloroethane	MSD	RPD	8	%	20
FC16907-3MSD*	127-18-4	Tetrachloroethylene	MSD	REC	332	%	74-129
FC16907-3MSD*	127-18-4	Tetrachloroethylene	MSD	RPD	14	%	20
FC16907-3MSD*	108-88-3	Toluene	MSD	REC	173	%	80-121
FC16907-3MSD*	108-88-3	Toluene	MSD	RPD	11	%	20
FC16907-3MSD*	87-61-6	1,2,3-Trichlorobenzene	MSD	REC	171	%	69-129
FC16907-3MSD*	87-61-6	1,2,3-Trichlorobenzene	MSD	RPD	11	%	20
FC16907-3MSD*	120-82-1	1,2,4-Trichlorobenzene	MSD	REC	167	%	69-130
FC16907-3MSD*	120-82-1	1,2,4-Trichlorobenzene	MSD	RPD	10	%	20
FC16907-3MSD*	71-55-6	1,1,1-Trichloroethane	MSD	REC	186	%	74-131
FC16907-3MSD*	71-55-6	1,1,1-Trichloroethane	MSD	RPD	10	%	20
FC16907-3MSD*	79-00-5	1,1,2-Trichloroethane	MSD	REC	175	%	80-119
FC16907-3MSD*	79-00-5	1,1,2-Trichloroethane	MSD	RPD	7	%	20
FC16907-3MSD*	79-01-6	Trichloroethylene	MSD	REC	224	%	79-123
FC16907-3MSD*	79-01-6	Trichloroethylene	MSD	RPD	10	%	20
FC16907-3MSD*	75-69-4	Trichlorofluoromethane	MSD	REC	232	%	65-141
FC16907-3MSD*	75-69-4	Trichlorofluoromethane	MSD	RPD	14	%	20
FC16907-3MSD*	96-18-4	1,2,3-Trichloropropane	MSD	REC	202	%	73-122
FC16907-3MSD*	96-18-4	1,2,3-Trichloropropane	MSD	RPD	6	%	20
FC16907-3MSD*	95-63-6	1,2,4-Trimethylbenzene	MSD	REC	170	%	76-124
FC16907-3MSD*	95-63-6	1,2,4-Trimethylbenzene	MSD	RPD	14	%	20
FC16907-3MSD*	108-67-8	1,3,5-Trimethylbenzene	MSD	REC	166	%	75-124
FC16907-3MSD*	108-67-8	1,3,5-Trimethylbenzene	MSD	RPD	13	%	20
FC16907-3MSD*	108-05-4	Vinyl Acetate	MSD	REC	22	%	54-146
FC16907-3MSD*	108-05-4	Vinyl Acetate	MSD	RPD	10	%	20
FC16907-3MSD*	75-01-4	Vinyl Chloride	MSD	REC	227	%	58-137
FC16907-3MSD*	75-01-4	Vinyl Chloride	MSD	RPD	12	%	20
FC16907-3MSD*		m,p-Xylene	MSD	REC	166	%	80-121
FC16907-3MSD*		m,p-Xylene	MSD	RPD	12	%	20

* Sample used for QC is not from job FC16676

QC Evaluation: DOD QSM5.x Limits

Job Number: FC16676
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 06/20/24 thru 06/21/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FC16907-3MSD*	95-47-6	o-Xylene	MSD	REC	163	%	78-122
FC16907-3MSD*	95-47-6	o-Xylene	MSD	RPD	11	%	20
FC16907-3MSD*	1330-20-7	Xylene (total)	MSD	REC	165	%	79-121
FC16907-3MSD*	1330-20-7	Xylene (total)	MSD	RPD	12	%	20
FC16907-3MSD*	1868-53-7	Dibromofluoromethane	MSD	SURR	99	%	80-119
FC16907-3MSD*	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	100	%	81-118
FC16907-3MSD*	2037-26-5	Toluene-D8	MSD	SURR	99	%	89-112
FC16907-3MSD*	460-00-4	4-Bromofluorobenzene	MSD	SURR	100	%	85-114
V2A1921-MB	1868-53-7	Dibromofluoromethane	MB	SURR	105	%	80-119
V2A1921-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	105	%	81-118
V2A1921-MB	2037-26-5	Toluene-D8	MB	SURR	96	%	89-112
V2A1921-MB	460-00-4	4-Bromofluorobenzene	MB	SURR	98	%	85-114
FC16676-5	1868-53-7	Dibromofluoromethane	SAMP	SURR	99	%	80-119
FC16676-5	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	100	%	81-118
FC16676-5	2037-26-5	Toluene-D8	SAMP	SURR	97	%	89-112
FC16676-5	460-00-4	4-Bromofluorobenzene	SAMP	SURR	96	%	85-114

* Sample used for QC is not from job FC16676

MS Volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: FC16676
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2A1914-MB [a]	2A56385.D	1	06/28/24	LT	n/a	n/a	V2A1914

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

FC16676-1, FC16676-2, FC16676-3, FC16676-4, FC16676-6, FC16676-7, FC16676-8, FC16676-9, FC16676-10, FC16676-11, FC16676-12, FC16676-13, FC16676-14, FC16676-15

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.37	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.45	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.24	ug/l	
75-25-2	Bromoform	ND	1.0	0.41	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.0	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.23	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.24	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.31	ug/l	
75-15-0	Carbon Disulfide	ND	2.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	ND	1.0	0.36	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.67	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.22	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.31	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.34	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	2.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.43	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.31	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.24	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

Method Blank Summary

Job Number: FC16676
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2A1914-MB [a]	2A56385.D	1	06/28/24	LT	n/a	n/a	V2A1914

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

FC16676-1, FC16676-2, FC16676-3, FC16676-4, FC16676-6, FC16676-7, FC16676-8, FC16676-9, FC16676-10, FC16676-11, FC16676-12, FC16676-13, FC16676-14, FC16676-15

CAS No.	Compound	Result	RL	MDL	Units	Q
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.30	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.22	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
74-83-9	Methyl Bromide	ND	5.0	2.0	ug/l	
74-87-3	Methyl Chloride	ND	2.0	0.50	ug/l	
74-95-3	Methylene Bromide	ND	2.0	0.37	ug/l	
75-09-2	Methylene Chloride	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.23	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.29	ug/l	
100-42-5	Styrene	ND	1.0	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.47	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.35	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	0.27	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
75-01-4	Vinyl Chloride	ND	1.0	0.41	ug/l	
	m,p-Xylene	ND	2.0	0.47	ug/l	
95-47-6	o-Xylene	ND	1.0	0.26	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	

Method Blank Summary

Job Number: FC16676
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2A1914-MB [a]	2A56385.D	1	06/28/24	LT	n/a	n/a	V2A1914

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

FC16676-1, FC16676-2, FC16676-3, FC16676-4, FC16676-6, FC16676-7, FC16676-8, FC16676-9, FC16676-10, FC16676-11, FC16676-12, FC16676-13, FC16676-14, FC16676-15

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	102%	83-118%
17060-07-0	1,2-Dichloroethane-D4	100%	79-125%
2037-26-5	Toluene-D8	99%	85-112%
460-00-4	4-Bromofluorobenzene	98%	83-118%

(a) Sample was treated with an anti-foaming agent.

Method Blank Summary

Job Number: FC16676
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2A1921-MB	2A56574.D	1	07/05/24	LT	n/a	n/a	V2A1921

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

FC16676-5

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.37	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.45	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.24	ug/l	
75-25-2	Bromoform	ND	1.0	0.41	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.0	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.23	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.24	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.31	ug/l	
75-15-0	Carbon Disulfide	ND	2.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	ND	1.0	0.36	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.67	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.22	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.31	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.34	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	2.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.43	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.31	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.24	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

Method Blank Summary

Job Number: FC16676
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2A1921-MB	2A56574.D	1	07/05/24	LT	n/a	n/a	V2A1921

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

FC16676-5

CAS No.	Compound	Result	RL	MDL	Units	Q
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.30	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.22	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
74-83-9	Methyl Bromide	ND	5.0	2.0	ug/l	
74-87-3	Methyl Chloride	ND	2.0	0.50	ug/l	
74-95-3	Methylene Bromide	ND	2.0	0.37	ug/l	
75-09-2	Methylene Chloride	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.23	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.29	ug/l	
100-42-5	Styrene	ND	1.0	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.47	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.35	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	0.27	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
75-01-4	Vinyl Chloride	ND	1.0	0.41	ug/l	
	m,p-Xylene	ND	2.0	0.47	ug/l	
95-47-6	o-Xylene	ND	1.0	0.26	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	

Method Blank Summary

Job Number: FC16676
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2A1921-MB	2A56574.D	1	07/05/24	LT	n/a	n/a	V2A1921

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

FC16676-5

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	105%	83-118%
17060-07-0	1,2-Dichloroethane-D4	105%	79-125%
2037-26-5	Toluene-D8	96%	85-112%
460-00-4	4-Bromofluorobenzene	98%	83-118%

Blank Spike Summary

Job Number: FC16676
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2A1914-BS	2A56383.D	1	06/28/24	LT	n/a	n/a	V2A1914

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

FC16676-1, FC16676-2, FC16676-3, FC16676-4, FC16676-6, FC16676-7, FC16676-8, FC16676-9, FC16676-10, FC16676-11, FC16676-12, FC16676-13, FC16676-14, FC16676-15

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	129	103	50-147
71-43-2	Benzene	25	23.0	92	81-122
108-86-1	Bromobenzene	25	23.0	92	80-121
74-97-5	Bromochloromethane	25	21.7	87	76-123
75-27-4	Bromodichloromethane	25	21.6	86	79-123
75-25-2	Bromoform	25	24.0	96	66-123
78-93-3	2-Butanone (MEK)	125	118	94	56-143
104-51-8	n-Butylbenzene	25	22.5	90	79-126
135-98-8	sec-Butylbenzene	25	20.5	82*	83-133
98-06-6	tert-Butylbenzene	25	21.2	85	80-133
75-15-0	Carbon Disulfide	25	20.5	82	66-148
56-23-5	Carbon Tetrachloride	25	23.7	95	76-136
108-90-7	Chlorobenzene	25	22.8	91	82-124
75-00-3	Chloroethane	25	21.3	85	62-144
67-66-3	Chloroform	25	23.9	96	80-124
95-49-8	o-Chlorotoluene	25	21.6	86	81-127
106-43-4	p-Chlorotoluene	25	21.3	85	83-130
124-48-1	Dibromochloromethane	25	24.7	99	78-122
96-12-8	1,2-Dibromo-3-chloropropane	25	24.0	96	64-123
106-93-4	1,2-Dibromoethane	25	24.6	98	75-120
75-71-8	Dichlorodifluoromethane	25	19.7	79	42-167
95-50-1	1,2-Dichlorobenzene	25	22.6	90	82-124
541-73-1	1,3-Dichlorobenzene	25	21.7	87	84-125
106-46-7	1,4-Dichlorobenzene	25	22.2	89	78-120
75-34-3	1,1-Dichloroethane	25	21.9	88	81-122
107-06-2	1,2-Dichloroethane	25	23.1	92	75-125
75-35-4	1,1-Dichloroethylene	25	22.6	90	78-137
156-59-2	cis-1,2-Dichloroethylene	25	22.6	90	78-120
156-60-5	trans-1,2-Dichloroethylene	25	22.3	89	76-127
540-59-0	1,2-Dichloroethene (total)	50	44.9	90	77-122
78-87-5	1,2-Dichloropropane	25	23.4	94	76-124
142-28-9	1,3-Dichloropropane	25	26.0	104	80-118
594-20-7	2,2-Dichloropropane	25	23.3	93	74-139
563-58-6	1,1-Dichloropropene	25	24.2	97	79-131
10061-01-5	cis-1,3-Dichloropropene	25	23.0	92	75-118
10061-02-6	trans-1,3-Dichloropropene	25	22.6	90	80-120

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FC16676
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2A1914-BS	2A56383.D	1	06/28/24	LT	n/a	n/a	V2A1914

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

FC16676-1, FC16676-2, FC16676-3, FC16676-4, FC16676-6, FC16676-7, FC16676-8, FC16676-9, FC16676-10, FC16676-11, FC16676-12, FC16676-13, FC16676-14, FC16676-15

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
100-41-4	Ethylbenzene	25	22.5	90	81-121
87-68-3	Hexachlorobutadiene	25	23.5	94	75-142
591-78-6	2-Hexanone	125	127	102	61-129
98-82-8	Isopropylbenzene	25	21.7	87	83-132
99-87-6	p-Isopropyltoluene	25	21.2	85	79-130
74-83-9	Methyl Bromide	25	22.5	90	59-143
74-87-3	Methyl Chloride	25	18.9	76	50-159
74-95-3	Methylene Bromide	25	23.2	93	78-119
75-09-2	Methylene Chloride	25	23.6	94	69-135
108-10-1	4-Methyl-2-pentanone (MIBK)	125	125	100	66-122
1634-04-4	Methyl Tert Butyl Ether	25	23.2	93	72-117
91-20-3	Naphthalene	25	23.0	92	63-132
103-65-1	n-Propylbenzene	25	21.7	87	82-133
100-42-5	Styrene	25	22.4	90	78-119
630-20-6	1,1,1,2-Tetrachloroethane	25	23.6	94	77-122
79-34-5	1,1,2,2-Tetrachloroethane	25	22.7	91	72-120
127-18-4	Tetrachloroethylene	25	24.0	96	76-135
108-88-3	Toluene	25	23.2	93	80-120
87-61-6	1,2,3-Trichlorobenzene	25	22.7	91	68-131
120-82-1	1,2,4-Trichlorobenzene	25	22.9	92	73-129
71-55-6	1,1,1-Trichloroethane	25	21.7	87	75-130
79-00-5	1,1,2-Trichloroethane	25	22.2	89	76-119
79-01-6	Trichloroethylene	25	22.8	91	81-126
75-69-4	Trichlorofluoromethane	25	22.6	90	71-156
96-18-4	1,2,3-Trichloropropane	25	25.6	102	77-120
95-63-6	1,2,4-Trimethylbenzene	25	22.2	89	79-120
108-67-8	1,3,5-Trimethylbenzene	25	21.7	87	79-120
108-05-4	Vinyl Acetate	125	139	111	43-154
75-01-4	Vinyl Chloride	25	19.2	77	69-159
	m,p-Xylene	50	44.2	88	79-126
95-47-6	o-Xylene	25	21.7	87	80-127
1330-20-7	Xylene (total)	75	65.9	88	80-126

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FC16676
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2A1914-BS	2A56383.D	1	06/28/24	LT	n/a	n/a	V2A1914

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

FC16676-1, FC16676-2, FC16676-3, FC16676-4, FC16676-6, FC16676-7, FC16676-8, FC16676-9, FC16676-10, FC16676-11, FC16676-12, FC16676-13, FC16676-14, FC16676-15

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	97%	83-118%
17060-07-0	1,2-Dichloroethane-D4	101%	79-125%
2037-26-5	Toluene-D8	101%	85-112%
460-00-4	4-Bromofluorobenzene	99%	83-118%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FC16676
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2A1921-BS	2A56572.D	1	07/05/24	LT	n/a	n/a	V2A1921

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

FC16676-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	132	106	50-147
71-43-2	Benzene	25	22.6	90	81-122
108-86-1	Bromobenzene	25	22.3	89	80-121
74-97-5	Bromochloromethane	25	22.3	89	76-123
75-27-4	Bromodichloromethane	25	21.3	85	79-123
75-25-2	Bromoform	25	24.2	97	66-123
78-93-3	2-Butanone (MEK)	125	117	94	56-143
104-51-8	n-Butylbenzene	25	21.5	86	79-126
135-98-8	sec-Butylbenzene	25	19.6	78*	83-133
98-06-6	tert-Butylbenzene	25	20.4	82	80-133
75-15-0	Carbon Disulfide	25	19.4	78	66-148
56-23-5	Carbon Tetrachloride	25	24.9	100	76-136
108-90-7	Chlorobenzene	25	22.1	88	82-124
75-00-3	Chloroethane	25	28.5	114	62-144
67-66-3	Chloroform	25	24.1	96	80-124
95-49-8	o-Chlorotoluene	25	20.8	83	81-127
106-43-4	p-Chlorotoluene	25	20.2	81*	83-130
124-48-1	Dibromochloromethane	25	24.1	96	78-122
96-12-8	1,2-Dibromo-3-chloropropane	25	23.1	92	64-123
106-93-4	1,2-Dibromoethane	25	23.7	95	75-120
75-71-8	Dichlorodifluoromethane	25	39.1	156	42-167
95-50-1	1,2-Dichlorobenzene	25	21.8	87	82-124
541-73-1	1,3-Dichlorobenzene	25	21.0	84	84-125
106-46-7	1,4-Dichlorobenzene	25	21.6	86	78-120
75-34-3	1,1-Dichloroethane	25	21.3	85	81-122
107-06-2	1,2-Dichloroethane	25	23.7	95	75-125
75-35-4	1,1-Dichloroethylene	25	22.0	88	78-137
156-59-2	cis-1,2-Dichloroethylene	25	22.2	89	78-120
156-60-5	trans-1,2-Dichloroethylene	25	21.9	88	76-127
540-59-0	1,2-Dichloroethene (total)	50	44.2	88	77-122
78-87-5	1,2-Dichloropropane	25	22.6	90	76-124
142-28-9	1,3-Dichloropropane	25	24.5	98	80-118
594-20-7	2,2-Dichloropropane	25	23.3	93	74-139
563-58-6	1,1-Dichloropropene	25	23.8	95	79-131
10061-01-5	cis-1,3-Dichloropropene	25	22.7	91	75-118
10061-02-6	trans-1,3-Dichloropropene	25	21.9	88	80-120

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FC16676
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2A1921-BS	2A56572.D	1	07/05/24	LT	n/a	n/a	V2A1921

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

FC16676-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
100-41-4	Ethylbenzene	25	22.1	88	81-121
87-68-3	Hexachlorobutadiene	25	23.5	94	75-142
591-78-6	2-Hexanone	125	123	98	61-129
98-82-8	Isopropylbenzene	25	21.1	84	83-132
99-87-6	p-Isopropyltoluene	25	20.1	80	79-130
74-83-9	Methyl Bromide	25	24.4	98	59-143
74-87-3	Methyl Chloride	25	26.6	106	50-159
74-95-3	Methylene Bromide	25	23.3	93	78-119
75-09-2	Methylene Chloride	25	23.3	93	69-135
108-10-1	4-Methyl-2-pentanone (MIBK)	125	118	94	66-122
1634-04-4	Methyl Tert Butyl Ether	25	22.9	92	72-117
91-20-3	Naphthalene	25	21.8	87	63-132
103-65-1	n-Propylbenzene	25	20.4	82	82-133
100-42-5	Styrene	25	21.6	86	78-119
630-20-6	1,1,1,2-Tetrachloroethane	25	23.3	93	77-122
79-34-5	1,1,2,2-Tetrachloroethane	25	20.8	83	72-120
127-18-4	Tetrachloroethylene	25	24.3	97	76-135
108-88-3	Toluene	25	21.9	88	80-120
87-61-6	1,2,3-Trichlorobenzene	25	22.2	89	68-131
120-82-1	1,2,4-Trichlorobenzene	25	22.1	88	73-129
71-55-6	1,1,1-Trichloroethane	25	22.1	88	75-130
79-00-5	1,1,2-Trichloroethane	25	21.5	86	76-119
79-01-6	Trichloroethylene	25	23.1	92	81-126
75-69-4	Trichlorofluoromethane	25	27.4	110	71-156
96-18-4	1,2,3-Trichloropropane	25	24.8	99	77-120
95-63-6	1,2,4-Trimethylbenzene	25	21.2	85	79-120
108-67-8	1,3,5-Trimethylbenzene	25	20.7	83	79-120
108-05-4	Vinyl Acetate	125	131	105	43-154
75-01-4	Vinyl Chloride	25	26.2	105	69-159
	m,p-Xylene	50	43.3	87	79-126
95-47-6	o-Xylene	25	21.0	84	80-127
1330-20-7	Xylene (total)	75	64.3	86	80-126

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FC16676
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2A1921-BS	2A56572.D	1	07/05/24	LT	n/a	n/a	V2A1921

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

FC16676-5

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	100%	83-118%
17060-07-0	1,2-Dichloroethane-D4	104%	79-125%
2037-26-5	Toluene-D8	98%	85-112%
460-00-4	4-Bromofluorobenzene	98%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FC16676
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FC16676-9MS	2A56405.D	1	06/28/24	LT	n/a	n/a	V2A1914
FC16676-9MSD	2A56406.D	1	06/28/24	LT	n/a	n/a	V2A1914
FC16676-9	2A56398.D	1	06/28/24	LT	n/a	n/a	V2A1914

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

FC16676-1, FC16676-2, FC16676-3, FC16676-4, FC16676-6, FC16676-7, FC16676-8, FC16676-9, FC16676-10, FC16676-11, FC16676-12, FC16676-13, FC16676-14, FC16676-15

CAS No.	Compound	FC16676-9 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	25	U	125	108	86	125	106	85	2	50-147/21
71-43-2	Benzene	1.0	U	25	22.1	88	25	23.6	94	7	81-122/14
108-86-1	Bromobenzene	1.0	U	25	22.4	90	25	24.1	96	7	80-121/14
74-97-5	Bromochloromethane	1.0	U	25	21.4	86	25	22.5	90	5	76-123/14
75-27-4	Bromodichloromethane	1.0	U	25	20.6	82	25	21.2	85	3	79-123/19
75-25-2	Bromoform	1.0	U	25	20.0	80	25	22.3	89	11	66-123/21
78-93-3	2-Butanone (MEK)	5.0	U	125	103	82	125	102	82	1	56-143/18
104-51-8	n-Butylbenzene	1.0	U	25	23.1	92	25	25.2	101	9	79-126/16
135-98-8	sec-Butylbenzene	1.0	U	25	21.1	84	25	22.8	91	8	83-133/16
98-06-6	tert-Butylbenzene	1.0	U	25	21.4	86	25	23.0	92	7	80-133/16
75-15-0	Carbon Disulfide	2.0	U	25	19.1	76	25	20.2	81	6	66-148/23
56-23-5	Carbon Tetrachloride	1.0	U	25	22.4	90	25	24.5	98	9	76-136/23
108-90-7	Chlorobenzene	1.0	U	25	21.7	87	25	23.8	95	9	82-124/14
75-00-3	Chloroethane	2.0	U	25	20.8	83	25	19.8	79	5	62-144/20
67-66-3	Chloroform	1.0	U	25	23.3	93	25	24.7	99	6	80-124/15
95-49-8	o-Chlorotoluene	1.0	U	25	21.2	85	25	22.7	91	7	81-127/15
106-43-4	p-Chlorotoluene	1.0	U	25	21.0	84	25	22.6	90	7	83-130/15
124-48-1	Dibromochloromethane	1.0	U	25	22.0	88	25	23.6	94	7	78-122/19
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	25	20.9	84	25	23.4	94	11	64-123/18
106-93-4	1,2-Dibromoethane	2.0	U	25	22.8	91	25	23.9	96	5	75-120/13
75-71-8	Dichlorodifluoromethane	2.0	U	25	20.0	80	25	19.3	77	4	42-167/19
95-50-1	1,2-Dichlorobenzene	1.0	U	25	22.2	89	25	23.5	94	6	82-124/14
541-73-1	1,3-Dichlorobenzene	1.0	U	25	21.5	86	25	22.9	92	6	84-125/14
106-46-7	1,4-Dichlorobenzene	1.0	U	25	21.8	87	25	23.2	93	6	78-120/15
75-34-3	1,1-Dichloroethane	1.0	U	25	20.8	83	25	22.1	88	6	81-122/15
107-06-2	1,2-Dichloroethane	1.0	U	25	22.9	92	25	23.8	95	4	75-125/14
75-35-4	1,1-Dichloroethylene	1.0	U	25	22.6	90	25	23.7	95	5	78-137/18
156-59-2	cis-1,2-Dichloroethylene	1.0	U	25	21.7	87	25	22.7	91	5	78-120/15
156-60-5	trans-1,2-Dichloroethylene	1.0	U	25	21.3	85	25	22.6	90	6	76-127/17
540-59-0	1,2-Dichloroethene (total)	2.0	U	50	42.9	86	50	45.4	91	6	77-122/15
78-87-5	1,2-Dichloropropane	1.0	U	25	22.9	92	25	23.6	94	3	76-124/14
142-28-9	1,3-Dichloropropane	1.0	U	25	24.2	97	25	26.0	104	7	80-118/13
594-20-7	2,2-Dichloropropane	1.0	U	25	21.8	87	25	23.0	92	5	74-139/17
563-58-6	1,1-Dichloropropene	1.0	U	25	23.4	94	25	25.0	100	7	79-131/16
10061-01-5	cis-1,3-Dichloropropene	1.0	U	25	20.9	84	25	22.4	90	7	75-118/23
10061-02-6	trans-1,3-Dichloropropene	1.0	U	25	20.2	81	25	21.8	87	8	80-120/22

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FC16676
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FC16676-9MS	2A56405.D	1	06/28/24	LT	n/a	n/a	V2A1914
FC16676-9MSD	2A56406.D	1	06/28/24	LT	n/a	n/a	V2A1914
FC16676-9	2A56398.D	1	06/28/24	LT	n/a	n/a	V2A1914

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

FC16676-1, FC16676-2, FC16676-3, FC16676-4, FC16676-6, FC16676-7, FC16676-8, FC16676-9, FC16676-10, FC16676-11, FC16676-12, FC16676-13, FC16676-14, FC16676-15

CAS No.	Compound	FC16676-9 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
100-41-4	Ethylbenzene	1.0 U		25	21.9	88	25	23.5	94	7	81-121/14
87-68-3	Hexachlorobutadiene	2.0 U		25	22.8	91	25	24.6	98	8	75-142/19
591-78-6	2-Hexanone	10 U		125	116	93	125	117	94	1	61-129/18
98-82-8	Isopropylbenzene	1.0 U		25	21.3	85	25	22.8	91	7	83-132/15
99-87-6	p-Isopropyltoluene	1.0 U		25	21.3	85	25	23.1	92	8	79-130/16
74-83-9	Methyl Bromide	5.0 U		25	16.0	64	25	18.6	74	15	59-143/19
74-87-3	Methyl Chloride	2.0 U		25	18.2	73	25	17.5	70	4	50-159/19
74-95-3	Methylene Bromide	2.0 U		25	22.4	90	25	23.7	95	6	78-119/14
75-09-2	Methylene Chloride	5.0 U		25	21.4	86	25	23.2	93	8	69-135/16
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0 U		125	114	91	125	113	90	1	66-122/16
1634-04-4	Methyl Tert Butyl Ether	1.0 U		25	22.1	88	25	23.6	94	7	72-117/14
91-20-3	Naphthalene	5.0 U		25	21.2	85	25	23.0	92	8	63-132/25
103-65-1	n-Propylbenzene	1.0 U		25	21.1	84	25	22.7	91	7	82-133/15
100-42-5	Styrene	1.0 U		25	21.4	86	25	22.9	92	7	78-119/23
630-20-6	1,1,1,2-Tetrachloroethane	1.0 U		25	22.3	89	25	24.3	97	9	77-122/19
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U		25	20.6	82	25	22.7	91	10	72-120/14
127-18-4	Tetrachloroethylene	1.0 U		25	23.2	93	25	25.0	100	7	76-135/16
108-88-3	Toluene	1.0 U		25	22.0	88	25	23.7	95	7	80-120/14
87-61-6	1,2,3-Trichlorobenzene	2.0 U		25	22.0	88	25	23.7	95	7	68-131/25
120-82-1	1,2,4-Trichlorobenzene	2.0 U		25	21.8	87	25	23.7	95	8	73-129/20
71-55-6	1,1,1-Trichloroethane	1.0 U		25	21.5	86	25	22.9	92	6	75-130/16
79-00-5	1,1,2-Trichloroethane	1.0 U		25	21.0	84	25	22.6	90	7	76-119/14
79-01-6	Trichloroethylene	1.0 U		25	21.9	88	25	23.4	94	7	81-126/15
75-69-4	Trichlorofluoromethane	2.0 U		25	22.6	90	25	21.7	87	4	71-156/21
96-18-4	1,2,3-Trichloropropane	2.0 U		25	24.5	98	25	25.9	104	6	77-120/16
95-63-6	1,2,4-Trimethylbenzene	1.0 U		25	22.0	88	25	23.4	94	6	79-120/18
108-67-8	1,3,5-Trimethylbenzene	1.0 U		25	21.6	86	25	22.9	92	6	79-120/19
108-05-4	Vinyl Acetate	10 U		125	116	93	125	114	91	2	43-154/14
75-01-4	Vinyl Chloride	1.0 U		25	19.1	76	25	18.0	72	6	69-159/18
	m,p-Xylene	2.0 U		50	42.5	85	50	45.8	92	7	79-126/15
95-47-6	o-Xylene	1.0 U		25	20.7	83	25	22.2	89	7	80-127/14
1330-20-7	Xylene (total)	3.0 U		75	63.2	84	75	68.0	91	7	80-126/15

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FC16676
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FC16676-9MS	2A56405.D	1	06/28/24	LT	n/a	n/a	V2A1914
FC16676-9MSD	2A56406.D	1	06/28/24	LT	n/a	n/a	V2A1914
FC16676-9	2A56398.D	1	06/28/24	LT	n/a	n/a	V2A1914

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

FC16676-1, FC16676-2, FC16676-3, FC16676-4, FC16676-6, FC16676-7, FC16676-8, FC16676-9, FC16676-10, FC16676-11, FC16676-12, FC16676-13, FC16676-14, FC16676-15

CAS No.	Surrogate Recoveries	MS	MSD	FC16676-9	Limits
1868-53-7	Dibromofluoromethane	98%	97%	102%	83-118%
17060-07-0	1,2-Dichloroethane-D4	101%	100%	101%	79-125%
2037-26-5	Toluene-D8	101%	102%	99%	85-112%
460-00-4	4-Bromofluorobenzene	99%	99%	98%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FC16676
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FC16907-3MS	2A56595.D	1	07/05/24	LT	n/a	n/a	V2A1921
FC16907-3MSD	2A56596.D	1	07/05/24	LT	n/a	n/a	V2A1921
FC16907-3 [a]	2A56575.D	1	07/05/24	LT	n/a	n/a	V2A1921

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

FC16676-5

CAS No.	Compound	FC16907-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	25	U	125	257	206*	125	265	212*	3	50-147/21
71-43-2	Benzene	1.0	U	25	41.8	167*	25	46.2	185*	10	81-122/14
108-86-1	Bromobenzene	1.0	U	25	40.0	160*	25	44.7	179*	11	80-121/14
74-97-5	Bromochloromethane	1.0	U	25	42.2	169*	25	44.4	178*	5	76-123/14
75-27-4	Bromodichloromethane	1.0	U	25	39.9	160*	25	43.3	173*	8	79-123/19
75-25-2	Bromoform	1.0	U	25	43.5	174*	25	47.3	189*	8	66-123/21
78-93-3	2-Butanone (MEK)	5.0	U	125	224	179*	125	232	186*	4	56-143/18
104-51-8	n-Butylbenzene	1.0	U	25	36.6	146*	25	42.1	168*	14	79-126/16
135-98-8	sec-Butylbenzene	1.0	U	25	33.6	134*	25	39.2	157*	15	83-133/16
98-06-6	tert-Butylbenzene	1.0	U	25	35.2	141*	25	41.0	164*	15	80-133/16
75-15-0	Carbon Disulfide	2.0	U	25	32.5	130	25	36.7	147	12	66-148/23
56-23-5	Carbon Tetrachloride	1.0	U	25	40.8	163*	25	47.0	188*	14	76-136/23
108-90-7	Chlorobenzene	1.0	U	25	39.3	157*	25	43.3	173*	10	82-124/14
75-00-3	Chloroethane	2.0	U	25	61.2	245*	25	66.4	266*	8	62-144/20
67-66-3	Chloroform	1.0	U	25	44.7	179*	25	49.1	196*	9	80-124/15
95-49-8	o-Chlorotoluene	1.0	U	25	35.8	143*	25	41.0	164*	14	81-127/15
106-43-4	p-Chlorotoluene	1.0	U	25	35.5	142*	25	40.2	161*	12	83-130/15
124-48-1	Dibromochloromethane	1.0	U	25	44.7	179*	25	48.2	193*	8	78-122/19
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	25	43.6	174*	25	46.2	185*	6	64-123/18
106-93-4	1,2-Dibromoethane	2.0	U	25	43.8	175*	25	46.4	186*	6	75-120/13
75-71-8	Dichlorodifluoromethane	2.0	U	25	70.2	281*	25	81.1	324*	14	42-167/19
95-50-1	1,2-Dichlorobenzene	1.0	U	25	38.8	155*	25	43.0	172*	10	82-124/14
541-73-1	1,3-Dichlorobenzene	1.0	U	25	36.7	147*	25	41.3	165*	12	84-125/14
106-46-7	1,4-Dichlorobenzene	1.0	U	25	37.2	149*	25	41.9	168*	12	78-120/15
75-34-3	1,1-Dichloroethane	1.0	U	25	39.9	160*	25	43.4	174*	8	81-122/15
107-06-2	1,2-Dichloroethane	1.0	U	25	45.0	180*	25	47.6	190*	6	75-125/14
75-35-4	1,1-Dichloroethylene	1.0	U	25	40.1	160*	25	44.9	180*	11	78-137/18
156-59-2	cis-1,2-Dichloroethylene	1.0	U	25	41.8	167*	25	45.4	182*	8	78-120/15
156-60-5	trans-1,2-Dichloroethylene	1.0	U	25	39.5	158*	25	43.6	174*	10	76-127/17
540-59-0	1,2-Dichloroethene (total)	2.0	U	50	81.3	163*	50	89.1	178*	9	77-122/15
78-87-5	1,2-Dichloropropane	1.0	U	25	43.1	172*	25	45.8	183*	6	76-124/14
142-28-9	1,3-Dichloropropane	1.0	U	25	46.0	184*	25	49.4	198*	7	80-118/13
594-20-7	2,2-Dichloropropane	1.0	U	25	30.5	122	25	33.8	135	10	74-139/17
563-58-6	1,1-Dichloropropene	1.0	U	25	41.4	166*	25	46.7	187*	12	79-131/16
10061-01-5	cis-1,3-Dichloropropene	1.0	U	25	39.4	158*	25	43.0	172*	9	75-118/23
10061-02-6	trans-1,3-Dichloropropene	1.0	U	25	37.9	152*	25	41.1	164*	8	80-120/22

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FC16676
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FC16907-3MS	2A56595.D	1	07/05/24	LT	n/a	n/a	V2A1921
FC16907-3MSD	2A56596.D	1	07/05/24	LT	n/a	n/a	V2A1921
FC16907-3 [a]	2A56575.D	1	07/05/24	LT	n/a	n/a	V2A1921

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

FC16676-5

CAS No.	Compound	FC16907-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
100-41-4	Ethylbenzene	1.0	U	25	37.3	149*	25	42.7	171*	14	81-121/14
87-68-3	Hexachlorobutadiene	2.0	U	25	39.3	157*	25	45.9	184*	15	75-142/19
591-78-6	2-Hexanone	10	U	125	229	183*	125	240	192*	5	61-129/18
98-82-8	Isopropylbenzene	1.0	U	25	36.3	145*	25	41.2	165*	13	83-132/15
99-87-6	p-Isopropyltoluene	1.0	U	25	34.5	138*	25	39.8	159*	14	79-130/16
74-83-9	Methyl Bromide	5.0	U	25	39.6	158*	25	52.6	210*	28*	59-143/19
74-87-3	Methyl Chloride	2.0	U	25	51.1	204*	25	56.9	228*	11	50-159/19
74-95-3	Methylene Bromide	2.0	U	25	43.6	174*	25	45.4	182*	4	78-119/14
75-09-2	Methylene Chloride	5.0	U	25	41.6	166*	25	44.2	177*	6	69-135/16
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	125	223	178*	125	232	186*	4	66-122/16
1634-04-4	Methyl Tert Butyl Ether	1.0	U	25	43.9	176*	25	46.1	184*	5	72-117/14
91-20-3	Naphthalene	5.0	U	25	38.9	156*	25	43.6	174*	11	63-132/25
103-65-1	n-Propylbenzene	1.0	U	25	34.1	136*	25	39.8	159*	15	82-133/15
100-42-5	Styrene	1.0	U	25	37.9	152*	25	42.5	170*	11	78-119/23
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	25	43.5	174*	25	47.5	190*	9	77-122/19
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	25	27.8	111	25	30.2	121*	8	72-120/14
127-18-4	Tetrachloroethylene	1.0	U	25	72.1	288*	25	82.9	332*	14	76-135/16
108-88-3	Toluene	1.0	U	25	38.9	156*	25	43.3	173*	11	80-120/14
87-61-6	1,2,3-Trichlorobenzene	2.0	U	25	38.5	154*	25	42.8	171*	11	68-131/25
120-82-1	1,2,4-Trichlorobenzene	2.0	U	25	37.7	151*	25	41.8	167*	10	73-129/20
71-55-6	1,1,1-Trichloroethane	1.0	U	25	42.0	168*	25	46.6	186*	10	75-130/16
79-00-5	1,1,2-Trichloroethane	1.0	U	25	40.7	163*	25	43.7	175*	7	76-119/14
79-01-6	Trichloroethylene	1.0	U	25	50.5	202*	25	56.0	224*	10	81-126/15
75-69-4	Trichlorofluoromethane	2.0	U	25	50.2	201*	25	57.9	232*	14	71-156/21
96-18-4	1,2,3-Trichloropropane	2.0	U	25	47.8	191*	25	50.6	202*	6	77-120/16
95-63-6	1,2,4-Trimethylbenzene	1.0	U	25	37.0	148*	25	42.6	170*	14	79-120/18
108-67-8	1,3,5-Trimethylbenzene	1.0	U	25	36.4	146*	25	41.5	166*	13	79-120/19
108-05-4	Vinyl Acetate	10	U	125	24.6	20*	125	27.3	22*	10	43-154/14
75-01-4	Vinyl Chloride	1.0	U	25	50.2	201*	25	56.8	227*	12	69-159/18
	m,p-Xylene	2.0	U	50	73.5	147*	50	83.2	166*	12	79-126/15
95-47-6	o-Xylene	1.0	U	25	36.6	146*	25	40.8	163*	11	80-127/14
1330-20-7	Xylene (total)	3.0	U	75	110	147*	75	124	165*	12	80-126/15

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FC16676
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FC16907-3MS	2A56595.D	1	07/05/24	LT	n/a	n/a	V2A1921
FC16907-3MSD	2A56596.D	1	07/05/24	LT	n/a	n/a	V2A1921
FC16907-3 [a]	2A56575.D	1	07/05/24	LT	n/a	n/a	V2A1921

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

FC16676-5

CAS No.	Surrogate Recoveries	MS	MSD	FC16907-3	Limits
1868-53-7	Dibromofluoromethane	99%	99%	103%	83-118%
17060-07-0	1,2-Dichloroethane-D4	104%	100%	101%	79-125%
2037-26-5	Toluene-D8	98%	99%	96%	85-112%
460-00-4	4-Bromofluorobenzene	99%	100%	99%	83-118%

(a) Sample was not preserved to a pH < 2. Associated MS/MSD recovery outside control limits due to suspected double spike.

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: FC16676
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2A1910-BFB
Lab File ID: 2A56264.D
Instrument ID: GCMS2A
Injection Date: 06/25/24
Injection Time: 07:28

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
95	Base peak, 100% relative abundance	77464	100.0		Pass
96	5.0 - 9.0% of mass 95	5256	6.79		Pass
173	Less than 2.0% of mass 174	451	0.58	(0.74) [a]	Pass
174	50.0 - 200.0% of mass 95	60557	78.2		Pass
175	5.0 - 9.0% of mass 174	4463	5.76	(7.37) [a]	Pass
176	95.0 - 105.0% of mass 174	58979	76.1	(97.4) [a]	Pass
177	5.0 - 10.0% of mass 176	3865	4.99	(6.55) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2A1910-IC1910	2A56266.D	06/25/24	08:07	00:39	Initial cal 1
V2A1910-IC1910	2A56268.D	06/25/24	08:39	01:11	Initial cal 8
V2A1910-IC1910	2A56270.D	06/25/24	09:11	01:43	Initial cal 2
V2A1910-IC1910	2A56272.D	06/25/24	09:43	02:15	Initial cal 3
V2A1910-IC1910	2A56274.D	06/25/24	10:15	02:47	Initial cal 4
V2A1910-ICC1910	2A56276.D	06/25/24	10:47	03:19	Initial cal 5
V2A1910-IC1910	2A56278.D	06/25/24	11:19	03:51	Initial cal 6
V2A1910-IC1910	2A56280.D	06/25/24	11:51	04:23	Initial cal 7
V2A1910-ICV1910	2A56284.D	06/25/24	13:01	05:33	Initial cal verification 5
V2A1910-BS	2A56286.D	06/25/24	13:33	06:05	Blank Spike
V2A1910-MB	2A56288.D	06/25/24	14:22	06:54	Method Blank
FC16589-2	2A56290.D	06/25/24	14:57	07:29	(used for QC only; not part of job FC16676)
ZZZZZZ	2A56291.D	06/25/24	15:16	07:48	(unrelated sample)
ZZZZZZ	2A56292.D	06/25/24	15:40	08:12	(unrelated sample)
ZZZZZZ	2A56293.D	06/25/24	16:04	08:36	(unrelated sample)
ZZZZZZ	2A56294.D	06/25/24	16:28	09:00	(unrelated sample)
FC16589-2MS	2A56295.D	06/25/24	16:53	09:25	Matrix Spike
FC16589-2MSD	2A56296.D	06/25/24	17:17	09:49	Matrix Spike Duplicate
V2A1910-ECC1910	2A56297.D	06/25/24	17:41	10:13	Ending cal 4

Instrument Performance Check (BFB)

Job Number: FC16676
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2A1914-BFB
Lab File ID: 2A56381.D
Instrument ID: GCMS2A
Injection Date: 06/28/24
Injection Time: 06:55

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
95	Base peak, 100% relative abundance	64904	100.0		Pass
96	5.0 - 9.0% of mass 95	4322	6.66		Pass
173	Less than 2.0% of mass 174	395	0.61	(0.71) [a]	Pass
174	50.0 - 200.0% of mass 95	55440	85.4		Pass
175	5.0 - 9.0% of mass 174	4068	6.27	(7.34) [a]	Pass
176	95.0 - 105.0% of mass 174	53240	82.0	(96.0) [a]	Pass
177	5.0 - 10.0% of mass 176	3505	5.40	(6.58) [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
V2A1914-CC1910	2A56382.D	06/28/24	07:21	00:26	Continuing cal 4
V2A1914-BS	2A56383.D	06/28/24	07:47	00:52	Blank Spike
V2A1914-MB	2A56385.D	06/28/24	08:35	01:40	Method Blank
FC16676-1	2A56386.D	06/28/24	09:00	02:05	789MW-135_0624
FC16676-2	2A56387.D	06/28/24	09:24	02:29	789MW-46R_0624
FC16676-3	2A56388.D	06/28/24	09:48	02:53	789MW-83_0624
FC16676-4	2A56389.D	06/28/24	10:12	03:17	789MW-95_0624
FC16676-5	2A56390.D	06/28/24	10:36	03:41	789MW-98_0624
FC16676-6	2A56391.D	06/28/24	11:00	04:05	789MW-99_0624
FC16676-7	2A56392.D	06/28/24	11:24	04:29	789MW-99_0624-A
ZZZZZZ	2A56393.D	06/28/24	11:48	04:53	(unrelated sample)
ZZZZZZ	2A56394.D	06/28/24	12:12	05:17	(unrelated sample)
ZZZZZZ	2A56395.D	06/28/24	12:36	05:41	(unrelated sample)
ZZZZZZ	2A56396.D	06/28/24	13:00	06:05	(unrelated sample)
FC16676-8	2A56397.D	06/28/24	13:24	06:29	789MW-216_0624
FC16676-9	2A56398.D	06/28/24	13:48	06:53	789MW-222_0624
FC16676-10	2A56399.D	06/28/24	14:12	07:17	789MW-251_0624
FC16676-11	2A56400.D	06/28/24	14:36	07:41	789SW-02_0624
FC16676-12	2A56401.D	06/28/24	15:00	08:05	789SW-03_0624
FC16676-13	2A56402.D	06/28/24	15:24	08:29	789SW-04_0624
FC16676-14	2A56403.D	06/28/24	15:48	08:53	789-AB01_0624-D
FC16676-15	2A56404.D	06/28/24	16:12	09:17	789-TB01_0624-C
FC16676-9MS	2A56405.D	06/28/24	16:36	09:41	Matrix Spike
FC16676-9MSD	2A56406.D	06/28/24	17:00	10:05	Matrix Spike Duplicate
V2A1914-ECC1910	2A56407.D	06/28/24	17:24	10:29	Ending cal 4
V2A1915-CC1910	2A56409.D	06/28/24	18:12	11:17	Continuing cal 4

Instrument Performance Check (BFB)

Job Number: FC16676
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample:	V2A1914-BFB	**Injection Date:**	06/28/24
Lab File ID:	2A56381.D	**Injection Time:**	06:55
Instrument ID:	GCMS2A		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2A1915-BS	2A56410.D	06/28/24	18:36	11:41	Blank Spike
FC16745-7MS	2A56411.D	06/28/24	19:00	12:05	Matrix Spike
FC16745-7MSD	2A56412.D	06/28/24	19:24	12:29	Matrix Spike Duplicate
V2A1915-MB	2A56414.D	06/28/24	20:12	13:17	Method Blank
ZZZZZZ	2A56416.D	06/28/24	21:00	14:05	(unrelated sample)
ZZZZZZ	2A56417.D	06/28/24	21:24	14:29	(unrelated sample)
ZZZZZZ	2A56418.D	06/28/24	21:48	14:53	(unrelated sample)
ZZZZZZ	2A56419.D	06/28/24	22:12	15:17	(unrelated sample)
ZZZZZZ	2A56420.D	06/28/24	22:36	15:41	(unrelated sample)
ZZZZZZ	2A56421.D	06/28/24	23:00	16:05	(unrelated sample)
ZZZZZZ	2A56422.D	06/28/24	23:24	16:29	(unrelated sample)
ZZZZZZ	2A56423.D	06/28/24	23:48	16:53	(unrelated sample)
ZZZZZZ	2A56424.D	06/29/24	00:12	17:17	(unrelated sample)
ZZZZZZ	2A56425.D	06/29/24	00:36	17:41	(unrelated sample)
ZZZZZZ	2A56426.D	06/29/24	01:00	18:05	(unrelated sample)
ZZZZZZ	2A56427.D	06/29/24	01:24	18:29	(unrelated sample)
ZZZZZZ	2A56428.D	06/29/24	01:48	18:53	(unrelated sample)
ZZZZZZ	2A56429.D	06/29/24	02:12	19:17	(unrelated sample)
ZZZZZZ	2A56430.D	06/29/24	02:36	19:41	(unrelated sample)
ZZZZZZ	2A56431.D	06/29/24	03:00	20:05	(unrelated sample)
ZZZZZZ	2A56432.D	06/29/24	03:24	20:29	(unrelated sample)
ZZZZZZ	2A56433.D	06/29/24	03:48	20:53	(unrelated sample)
ZZZZZZ	2A56434.D	06/29/24	04:12	21:17	(unrelated sample)
FC16745-7	2A56435.D	06/29/24	04:36	21:41	(used for QC only; not part of job FC16676)
V2A1915-ECC1910	2A56436.D	06/29/24	05:00	22:05	Ending cal 4

Instrument Performance Check (BFB)

Job Number: FC16676
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2A1921-BFB
Lab File ID: 2A56570.D
Instrument ID: GCMS2A
Injection Date: 07/05/24
Injection Time: 07:05

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
95	Base peak, 100% relative abundance	62019	100.0		Pass
96	5.0 - 9.0% of mass 95	4074	6.57		Pass
173	Less than 2.0% of mass 174	409	0.66	(0.75) [a]	Pass
174	50.0 - 200.0% of mass 95	54643	88.1		Pass
175	5.0 - 9.0% of mass 174	3922	6.32	(7.18) [a]	Pass
176	95.0 - 105.0% of mass 174	52843	85.2	(96.7) [a]	Pass
177	5.0 - 10.0% of mass 176	3553	5.73	(6.72) [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
V2A1921-CC1910	2A56571.D	07/05/24	07:31	00:26	Continuing cal 4
V2A1921-BS	2A56572.D	07/05/24	07:58	00:53	Blank Spike
V2A1921-MB	2A56574.D	07/05/24	08:46	01:41	Method Blank
FC16907-3	2A56575.D	07/05/24	09:12	02:07	(used for QC only; not part of job FC16676)
ZZZZZZ	2A56576.D	07/05/24	09:36	02:31	(unrelated sample)
ZZZZZZ	2A56577.D	07/05/24	10:00	02:55	(unrelated sample)
ZZZZZZ	2A56578.D	07/05/24	10:24	03:19	(unrelated sample)
ZZZZZZ	2A56579.D	07/05/24	10:48	03:43	(unrelated sample)
ZZZZZZ	2A56580.D	07/05/24	11:12	04:07	(unrelated sample)
ZZZZZZ	2A56581.D	07/05/24	11:36	04:31	(unrelated sample)
ZZZZZZ	2A56582.D	07/05/24	12:00	04:55	(unrelated sample)
FC16676-5	2A56583.D	07/05/24	12:24	05:19	789MW-98_0624
ZZZZZZ	2A56584.D	07/05/24	12:48	05:43	(unrelated sample)
ZZZZZZ	2A56585.D	07/05/24	13:12	06:07	(unrelated sample)
ZZZZZZ	2A56586.D	07/05/24	13:36	06:31	(unrelated sample)
ZZZZZZ	2A56587.D	07/05/24	14:00	06:55	(unrelated sample)
ZZZZZZ	2A56588.D	07/05/24	14:24	07:19	(unrelated sample)
ZZZZZZ	2A56589.D	07/05/24	14:48	07:43	(unrelated sample)
ZZZZZZ	2A56590.D	07/05/24	15:12	08:07	(unrelated sample)
ZZZZZZ	2A56591.D	07/05/24	15:36	08:31	(unrelated sample)
ZZZZZZ	2A56592.D	07/05/24	16:00	08:55	(unrelated sample)
ZZZZZZ	2A56593.D	07/05/24	16:24	09:19	(unrelated sample)
ZZZZZZ	2A56594.D	07/05/24	16:48	09:43	(unrelated sample)
FC16907-3MS	2A56595.D	07/05/24	17:12	10:07	Matrix Spike
FC16907-3MSD	2A56596.D	07/05/24	17:36	10:31	Matrix Spike Duplicate
V2A1921-ECC1910	2A56597.D	07/05/24	18:00	10:55	Ending cal 4

Internal Standard Area Summary

Job Number: FC16676
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Check Std:	V2A1914-CC1910	**Injection Date:**	06/28/24
Lab File ID:	2A56382.D	**Injection Time:**	07:21
Instrument ID:	GCMS2A	**Method:**	SW846 8260D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Initial Cal [a]	300895	3.40	219742	5.35	130499	7.09
Check Std [b]	265090	3.40	190271	5.35	114593	7.09
Upper Limit [c]	530180	3.57	380542	5.52	229186	7.26
Lower Limit [d]	132545	3.23	95136	5.18	57297	6.92

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V2A1914-BS	263239	3.40	189905	5.35	113362	7.09
V2A1914-MB [e]	246521	3.40	187696	5.35	109645	7.09
FC16676-1	249300	3.40	188764	5.35	109718	7.09
FC16676-2 [e]	250017	3.40	186448	5.35	108652	7.09
FC16676-3	244959	3.40	186223	5.35	109242	7.09
FC16676-4	242850	3.40	185493	5.35	106997	7.09
FC16676-5 [f]	252461	3.40	187607	5.35	109926	7.09
FC16676-6	253326	3.40	185514	5.35	107620	7.09
FC16676-7	252447	3.40	184638	5.35	108081	7.09
ZZZZZZ	241413	3.40	184421	5.35	107872	7.09
ZZZZZZ	244297	3.40	183162	5.35	110436	7.09
ZZZZZZ	241044	3.40	183774	5.35	108986	7.09
ZZZZZZ	238509	3.40	182411	5.35	107630	7.09
FC16676-8	238332	3.40	181123	5.35	105991	7.09
FC16676-9	240025	3.40	183092	5.35	107183	7.09
FC16676-10	237886	3.40	181341	5.35	105984	7.09
FC16676-11	237598	3.40	182862	5.35	106724	7.09
FC16676-12	238701	3.40	181521	5.35	106658	7.09
FC16676-13	238680	3.40	182998	5.35	106439	7.09
FC16676-14	238976	3.40	181403	5.35	106719	7.09
FC16676-15	237349	3.40	181355	5.35	105476	7.09
FC16676-9MS	251601	3.40	183676	5.35	109970	7.09
FC16676-9MSD	254620	3.40	183710	5.35	110368	7.09
V2A1914-ECC1910	257451	3.40	186313	5.35	113473	7.09

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5
IS 3 = 1,4-Dichlorobenzene-d4

(a) Initial Cal is: V2A1910-ICC1910 2A56276.D 06/25/24 10:47
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.

Internal Standard Area Summary

Job Number: FC16676
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Check Std:	V2A1914-CC1910	**Injection Date:**	06/28/24
Lab File ID:	2A56382.D	**Injection Time:**	07:21
Instrument ID:	GCMS2A	**Method:**	SW846 8260D

Lab Sample ID	IS 1 AREA	IS 1 RT	IS 2 AREA	IS 2 RT	IS 3 AREA	IS 3 RT

(e) Sample was treated with an anti-foaming agent.
(f) Confirmation run. Sample re-analyzed beyond hold time.

Internal Standard Area Summary

Job Number: FC16676
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Check Std:	V2A1921-CC1910	**Injection Date:**	07/05/24
Lab File ID:	2A56571.D	**Injection Time:**	07:31
Instrument ID:	GCMS2A	**Method:**	SW846 8260D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Initial Cal [a]	300895	3.40	219742	5.35	130499	7.09
Check Std [b]	248144	3.40	185661	5.35	114264	7.09
Upper Limit [c]	496288	3.57	371322	5.52	228528	7.26
Lower Limit [d]	124072	3.23	92831	5.18	57132	6.92

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V2A1921-BS	248267	3.40	187159	5.35	115055	7.09
V2A1921-MB	227993	3.40	178849	5.35	108603	7.09
FC16907-3	238613	3.40	185531	5.35	110441	7.09
ZZZZZZ	225633	3.40	179001	5.35	106262	7.09
ZZZZZZ	224525	3.40	176745	5.35	105301	7.09
ZZZZZZ	227412	3.40	178398	5.35	107747	7.09
ZZZZZZ	225977	3.40	177902	5.35	105665	7.09
ZZZZZZ	223196	3.40	174077	5.35	104907	7.09
ZZZZZZ	221866	3.40	175510	5.35	105564	7.09
ZZZZZZ	222671	3.40	177551	5.35	105500	7.09
FC16676-5 [e]	231546	3.40	177494	5.35	108841	7.09
ZZZZZZ	222305	3.40	175023	5.35	104730	7.09
ZZZZZZ	225930	3.40	176561	5.35	105933	7.09
ZZZZZZ	222601	3.40	177563	5.35	105326	7.09
ZZZZZZ	226071	3.40	179567	5.35	108104	7.09
ZZZZZZ	222720	3.40	178356	5.35	106172	7.09
ZZZZZZ	223013	3.40	176964	5.35	106442	7.09
ZZZZZZ	222116	3.40	177003	5.35	104862	7.09
ZZZZZZ	218411	3.40	172104	5.35	104106	7.09
ZZZZZZ	220739	3.40	174839	5.35	104920	7.09
ZZZZZZ	220252	3.40	174859	5.35	104288	7.09
ZZZZZZ	220391	3.40	172389	5.35	102229	7.09
FC16907-3MS	242386	3.40	183513	5.35	112375	7.09
FC16907-3MSD	243717	3.40	183742	5.35	110997	7.09
V2A1921-ECC1910	252309	3.40	189079	5.35	116672	7.09

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5
IS 3 = 1,4-Dichlorobenzene-d4

(a) Initial Cal is: V2A1910-ICC1910 2A56276.D 06/25/24 10:47
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.

Internal Standard Area Summary

Job Number: FC16676
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Check Std:	V2A1921-CC1910	**Injection Date:**	07/05/24
Lab File ID:	2A56571.D	**Injection Time:**	07:31
Instrument ID:	GCMS2A	**Method:**	SW846 8260D

Lab Sample ID	IS 1 AREA	IS 1 RT	IS 2 AREA	IS 2 RT	IS 3 AREA	IS 3 RT

(d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.
(e) Sample re-analyzed beyond hold time.

Surrogate Recovery Summary

Job Number: FC16676
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, 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
FC16676-1	2A56386.D	102	100	100	99
FC16676-2	2A56387.D	100	98	100	100
FC16676-3	2A56388.D	102	102	99	98
FC16676-4	2A56389.D	102	101	99	98
FC16676-5	2A56583.D	99	100	97	96
FC16676-5	2A56390.D	99	99	100	99
FC16676-6	2A56391.D	98	98	99	100
FC16676-7	2A56392.D	98	98	99	99
FC16676-8	2A56397.D	102	101	99	99
FC16676-9	2A56398.D	102	101	99	98
FC16676-10	2A56399.D	102	100	99	98
FC16676-11	2A56400.D	103	101	99	99
FC16676-12	2A56401.D	103	100	99	98
FC16676-13	2A56402.D	103	100	98	98
FC16676-14	2A56403.D	101	100	99	99
FC16676-15	2A56404.D	103	101	100	98
FC16676-9MS	2A56405.D	98	101	101	99
FC16676-9MSD	2A56406.D	97	100	102	99
FC16907-3MS	2A56595.D	99	104	98	99
FC16907-3MSD	2A56596.D	99	100	99	100
V2A1914-BS	2A56383.D	97	101	101	99
V2A1914-MB	2A56385.D	102	100	99	98
V2A1921-BS	2A56572.D	100	104	98	98
V2A1921-MB	2A56574.D	105	105	96	98

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	83-118%
S2 = 1,2-Dichloroethane-D4	79-125%
S3 = Toluene-D8	85-112%
S4 = 4-Bromofluorobenzene	83-118%

Initial Calibration Summary

Job Number: FC16676
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2A1910-ICC1910
Lab FileID: 2A56276.D

Response Factor Report MSVOA17

Method : C:\msdchem\1\MET...A1910_06252024.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration

Calibration Files
1 =2A56266.D 2 =2A56270.D 3 =2A56272.D 4 =2A56274.D
5 =2A56276.D 6 =2A56278.D 7 =2A56280.D 8 =2A56268.D

Compound	1	2	3	4	5	6	7	8	Avg	%RSD
1) I Fluorobenzene	----------	----------	ISTD	----------	----------	----------	----------	----------		
2) Dichlorodifl	0.276	0.261	0.240	0.241	0.249	0.233	0.225	0.252	0.247	6.49
3) Chloromethan			0.322	0.286	0.266	0.271	0.254	0.252	0.341	0.284	12.13
4) 1,3-butadien			0.399	0.346	0.336	0.312	0.302	0.284	0.547	0.361	24.99
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9983										
Response Ratio = 0.00000 + 0.36029 *A + -0.04025 *A^2										
5) Vinyl Chlori	0.351	0.304	0.272	0.265	0.272	0.261	0.255	0.320	0.288	11.84
6) Bromomethane			0.149	0.130	0.117	0.117	0.117	0.120		0.125	10.15
7) Chloroethane			0.184	0.165	0.150	0.145	0.129	0.119	0.210	0.157	20.16
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9992										
Response Ratio = 0.00000 + 0.16752 *A + -0.02539 *A^2										
8) Trichloroflu	0.393	0.424	0.390	0.377	0.378	0.363	0.345	0.388	0.382	6.05
9) Ethyl Ether	0.224	0.211	0.204	0.195	0.199	0.193	0.190	0.212	0.204	5.67
10) Ethanol			0.003	0.003	0.003	0.003	0.003	0.003		0.003	9.25
11) 1,2-Dichloro			0.221	0.211	0.201	0.203	0.195	0.189	0.305	0.218	18.26
---- Linear regr., Force(0,0) ---- Coefficient = 0.9993										
Response Ratio = 0.00000 + 0.19648 *A										
12) 1,1-Dichloro	0.447	0.404	0.386	0.374	0.377	0.359	0.349	0.414	0.389	8.16
13) Freon 113	0.214	0.232	0.244	0.236	0.238	0.230	0.225	0.222	0.230	4.22
14) Carbon Disul			0.788	0.733	0.710	0.726	0.695	0.677	0.848	0.740	8.04
---- Linear regr., Force(0,0) ---- Coefficient = 0.9993										
Response Ratio = 0.00000 + 0.69872 *A										
15) Iodomethane			0.109	0.124	0.178	0.209	0.218	0.207		0.174	26.87
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9924										
Response Ratio = 0.00000 + 0.16928 *A + 0.02375 *A^2										
16) Acrolein	0.047	0.044	0.048	0.049	0.049	0.048	0.048	0.049	0.048	3.56
17) Allyl chlori			0.384	0.368	0.371	0.380	0.362	0.355	0.440	0.380	7.50
18) Methylene Ch			0.453	0.373	0.341	0.336	0.318	0.311		0.355	14.79
19) Acetone	0.110	0.097	0.099	0.103	0.102	0.097	0.091	0.105	0.100	5.99
20) Methyl aceta	0.272	0.249	0.249	0.247	0.250	0.240	0.240	0.244	0.249	4.04
21) trans-1,2-Di	0.482	0.397	0.372	0.361	0.358	0.347	0.342	0.429	0.386	12.51
22) Hexane	0.225	0.240	0.227	0.232	0.239	0.228	0.227	0.221	0.230	2.85
23) Methyl Tert	0.684	0.709	0.719	0.690	0.722	0.691	0.693	0.697	0.701	2.03
24) Acetonitrile			0.035	0.033	0.034	0.033	0.031	0.029	0.041	0.034	11.30
25) Tert Butyl A	0.042	0.040	0.042	0.039	0.041	0.039	0.039	0.040	0.040	3.13
26) Di-isopropyl	0.887	0.776	0.787	0.754	0.781	0.762	0.762	0.830	0.792	5.67
27) Chloroprene	1.131	1.000	1.030	1.038	1.040	1.003	0.989	1.074	1.038	4.47
28) 1,1-Dichloro	0.608	0.508	0.477	0.456	0.465	0.447	0.433	0.551	0.493	12.08
29) Acrylonitril	0.132	0.124	0.128	0.125	0.127	0.121	0.121	0.124	0.125	2.87
30) ETBE	0.733	0.741	0.758	0.734	0.779	0.763	0.759	0.738	0.751	2.22
31) Vinyl acetat	0.513	0.551	0.639	0.629	0.646	0.618	0.619	0.578	0.599	7.86

Initial Calibration Summary

Job Number: FC16676
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2A1910-ICC1910
Lab FileID: 2A56276.D

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32) cis-1,2-Dich 0.419 0.292 0.279 0.266 0.269 0.258 0.255 0.328 0.296  18.61
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9996
              Response Ratio = 0.00000 + 0.28238 *A + -0.01510 *A^2

33) 2,2-Dichloro 0.509 0.415 0.379 0.361 0.364 0.360 0.348 0.456 0.399  14.31
34) Bromochlorom 0.150 0.146 0.138 0.132 0.137 0.129 0.124 0.153 0.139   7.42
35) Cyclohexane  0.452 0.485 0.474 0.455 0.459 0.442 0.434 0.460 0.458   3.57
36) Chloroform   0.667 0.527 0.489 0.463 0.469 0.451 0.442 0.569 0.509  14.97
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9995
              Response Ratio = 0.00000 + 0.45621 *A

37) Ethyl acetat 0.316 0.295 0.342 0.337 0.351 0.336 0.338 0.314 0.328   5.61
38) Tetrahydrofu       0.123 0.126 0.110 0.121 0.115 0.114 0.111 0.117   5.35
39) Dibromofluor 0.297 0.300 0.292 0.285 0.283 0.279 0.277 0.297 0.289   3.08
40) Carbon Tetra 0.434 0.379 0.384 0.348 0.372 0.365 0.365 0.402 0.381   7.00
41) 1,1,1-Trichl 0.553 0.436 0.420 0.400 0.411 0.398 0.394 0.487 0.437  12.70
42) 2-Butanone   0.158 0.155 0.165 0.170 0.172 0.166 0.167 0.155 0.164   4.19
43) 1,1-Dichloro 0.395 0.341 0.348 0.333 0.337 0.328 0.318 0.357 0.345   6.88
44) tert-Butyl f 0.175 0.191 0.201 0.207 0.224 0.224 0.230 0.187 0.205   9.70
45) Propionitril 0.052 0.044 0.046 0.048 0.047 0.045 0.043 0.050 0.047   6.36
46) Methacryloni 0.177 0.173 0.182 0.192 0.192 0.186 0.184 0.188 0.184   3.72
47) Benzene      1.254 1.000 0.985 0.940 0.966 0.940 0.924 1.078 1.011  10.82
48) TAME         0.678 0.652 0.651 0.630 0.666 0.657 0.663 0.650 0.656   2.16
49) 1,2-Dichloro 0.350 0.356 0.351 0.349 0.354 0.353 0.308 0.348 0.346   4.51
50) 1,2-Dichloro 0.412 0.370 0.370 0.358 0.361 0.351 0.349 0.386 0.369   5.64
51) Isobutyl Alc 0.027 0.025 0.025 0.025 0.026 0.024 0.023 0.027 0.025   4.91
52) Tert Amyl Al 0.030 0.032 0.034 0.032 0.033 0.032 0.032 0.031 0.032   3.23
53) Trichloroeth 0.321 0.291 0.286 0.271 0.277 0.271 0.263 0.326 0.288   8.21
54) Methylcycloh 0.442 0.463 0.455 0.433 0.449 0.443 0.441 0.445 0.446   2.10
55) Dibromometha 0.183 0.179 0.175 0.171 0.173 0.167 0.167 0.184 0.175   3.83
56) 1,2-Dichloro 0.297 0.260 0.255 0.250 0.258 0.247 0.241 0.282 0.261   7.22
57) Bromodichlor 0.417 0.365 0.354 0.349 0.352 0.349 0.345 0.393 0.365   7.06
58) Methyl metha 0.242 0.230 0.228 0.251 0.261 0.248 0.250 0.257 0.246   4.81
59) 1,4-Dioxane        0.002 0.003 0.002 0.003 0.002 0.003       0.003   6.02
60) 2-Chloroethy 0.172 0.178 0.180 0.176 0.184 0.177 0.178 0.180 0.178   2.03
61) cis-1,3-Dich 0.398 0.395 0.394 0.390 0.399 0.392 0.393 0.411 0.396   1.67

62) I   Chlorobenzene-d5      ----------------ISTD---------------------
63) Toluene-d8   1.332 1.369 1.380 1.385 1.346 1.341 1.351 1.340 1.355   1.47
64) Toluene      1.818 1.507 1.482 1.413 1.423 1.385 1.386 1.586 1.500   9.71
65) 2-Nitropropa 0.122 0.122 0.131 0.135 0.141 0.141 0.143 0.121 0.132   7.18
66) 4-Methyl-2-p 0.447 0.425 0.456 0.459 0.456 0.447 0.451 0.441 0.448   2.42
67) trans-1,3-Di 0.498 0.466 0.489 0.495 0.516 0.520 0.526 0.457 0.496   5.00
68) Tetrachloroe 0.418 0.389 0.382 0.378 0.384 0.381 0.381 0.389 0.388   3.25
69) Ethyl methac 0.449 0.415 0.426 0.463 0.458 0.448 0.447 0.448 0.444   3.62
70) 1,1,2-Trichl 0.342 0.271 0.267 0.273 0.273 0.275 0.276 0.279 0.282   8.68
71) Dibromochlor 0.333 0.334 0.346 0.349 0.366 0.369 0.378 0.324 0.350   5.48
72) 1,3-Dichloro 0.448 0.492 0.494 0.494 0.512 0.503 0.510 0.467 0.490   4.51
73) 1,2-Dibromoe 0.316 0.314 0.337 0.336 0.352 0.345 0.349 0.328 0.335   4.28
74) 3,3-Dimethyl 0.056 0.054 0.057 0.055 0.055 0.054 0.056 0.055 0.055   2.12
75) 2-hexanone   0.418 0.429 0.460 0.446 0.440 0.424 0.424 0.432 0.434   3.19
76) 1-Chlorohexa 0.694 0.597 0.563 0.540 0.526 0.507 0.509 0.611 0.568  11.22
77) Ethylbenzene 2.101 1.742 1.707 1.626 1.657 1.611 1.609 1.852 1.738   9.67
78) Chlorobenzen 1.120 0.994 0.964 0.926 0.931 0.907 0.908 1.014 0.971   7.41
79) 1,1,1,2-Tetr 0.339 0.318 0.325 0.322 0.331 0.337 0.341 0.336 0.331   2.57
80) m,p-Xylene   1.702 1.420 1.398 1.345 1.360 1.325 1.321 1.498 1.421   8.98
81) o-Xylene     1.723 1.511 1.467 1.408 1.427 1.397 1.387 1.587 1.488   7.81
82) Styrene      1.184 1.087 1.062 1.042 1.050 1.023 1.027 1.111 1.073   4.99
83) Bromoform    0.237 0.231 0.245 0.249 0.258 0.268 0.274 0.224 0.248   7.09
84) Isopropylben 2.045 1.788 1.725 1.651 1.670 1.612 1.602 1.931 1.753   9.12
```

Initial Calibration Summary

Job Number: FC16676
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2A1910-ICC1910
Lab FileID: 2A56276.D

85)	I 1,4-Dichlorobenzene-d	----------	----------	----------	----------	ISTD	----------	----------	----------	----------	
86)	4-Bromofluor	0.791	0.784	0.789	0.787	0.791	0.796	0.800	0.793	0.791	0.64
87)	cis-1,4-Dich		0.177	0.181	0.204	0.213	0.225	0.239	0.229	0.210	11.37
88)	n-Propylbenz	4.584	3.611	3.522	3.416	3.504	3.454	3.462	3.944	3.687	10.83
89)	Bromobenzene	0.801	0.695	0.670	0.653	0.671	0.681	0.678	0.745	0.699	7.05
90)	1,1,2,2-Tetr	0.976	0.809	0.805	0.774	0.794	0.784	0.796	0.848	0.823	7.94
91)	1,3,5-Trimet	2.990	2.450	2.404	2.315	2.394	2.365	2.355	2.760	2.504	9.59
92)	2-Chlorotolu	2.436	1.996	1.949	1.884	1.957	1.932	1.917	2.211	2.035	9.36
93)	trans-1,4-Di		0.247	0.243	0.255	0.279	0.277	0.283	0.272	0.265	6.12
94)	1,2,3-Trichl	0.213	0.210	0.215	0.216	0.219	0.219	0.222	0.211	0.216	2.03
95)	Cyclohexanon		0.025	0.026	0.024	0.025	0.023	0.024		0.025	4.38
96)	4-Chlorotolu	2.592	2.153	2.120	2.016	2.077	2.052	2.043	2.381	2.179	9.30
97)	tert-Butylbe	1.846	1.492	1.467	1.381	1.433	1.404	1.386	1.642	1.506	10.69
98)	1,2,4-Trimet	2.743	2.340	2.248	2.174	2.282	2.266	2.255	2.433	2.343	7.63
99)	Pentachloroe	0.383	0.342	0.351	0.376	0.397	0.400	0.406	0.364	0.377	6.26
100)	sec-Butylben	3.888	3.175	3.060	2.947	3.076	2.979	2.936	3.313	3.172	9.96
101)	4-Isopropylt	3.343	2.655	2.583	2.489	2.576	2.525	2.502	2.873	2.693	10.76
102)	1,3-Dichloro	1.551	1.373	1.335	1.276	1.326	1.291	1.290	1.439	1.360	6.89
103)	1,2,3-Trimet	2.520	2.300	2.281	2.199	2.307	2.267	2.269	2.431	2.322	4.44
104)	1,4-Dichloro	1.571	1.373	1.333	1.285	1.334	1.300	1.277	1.410	1.360	7.07
105)	n-Butylbenze	1.452	1.201	1.186	1.140	1.191	1.156	1.167	1.362	1.232	9.13
106)	Benzyl Chlor	0.270	0.284	0.295	0.307	0.325	0.324	0.326	0.286	0.302	7.14
107)	1,2-Dichloro	1.284	1.274	1.218	1.158	1.212	1.177	1.164	1.273	1.220	4.25
108)	1,2-Dibromo-	0.158	0.164	0.165	0.170	0.169	0.165	0.165	0.179	0.167	3.58
109)	Hexachlorobu	0.435	0.357	0.342	0.312	0.322	0.304	0.307	0.385	0.346	13.16
110)	1,2,4-Trichl	0.825	0.768	0.742	0.706	0.726	0.701	0.715	0.754	0.742	5.51
111)	Naphthalene	2.132	2.055	2.059	1.964	2.013	1.951	1.983	2.066	2.028	3.02
112)	1,2,3-Trichl	0.732	0.672	0.663	0.623	0.641	0.627	0.644	0.706	0.664	5.81

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

V2A1910_06252024.M Tue Jun 25 13:47:03 2024

Initial Calibration Verification

Job Number: FC16676
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2A1910-ICV1910
Lab FileID: 2A56284.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\06-25-2024\2A56284.D Vial: 61
Acq On : 25 Jun 2024 1:01 pm Operator: jeniferw
Sample : ICV1910-5 Inst : MSVOA17
Misc : MS56892,V2A1910,,,,, Multiplr: 1.00
MS Integration Params: med.p

Method : C:\msdchem\1\MET...A1910_06252024.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Tue Jun 25 13:23:01 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	101	0.00	3.40
2	Dichlorodifluoromethane	0.247	0.268	-8.5	109	0.00	1.03
3	Chloromethane	0.284	0.273	3.9	102	0.00	1.13
		Amount	Calc.	%Drift			
4	1,3-butadiene	40.000	37.110	7.2	99	0.00	1.19
		AvgRF	CCRF	%Dev			
5	Vinyl Chloride	0.288	0.273	5.2	101	0.00	1.18
6	Bromomethane	0.125	0.112	10.4	96	0.00	1.35
		Amount	Calc.	%Drift			
7	Chloroethane	40.000	39.267	1.8	101	0.00	1.42
		AvgRF	CCRF	%Dev			
8	Trichlorofluoromethane	0.382	0.382	0.0	102	0.00	1.50
9	Ethyl Ether	0.204	0.188	7.8	95	0.00	1.66
10	Ethanol	0.003	0.003	0.0	92	0.00	1.71
		Amount	Calc.	%Drift			
11	1,2-Dichlorotrifluoroetha	40.000	56.252	-40.6#	137	0.00	1.75
		AvgRF	CCRF	%Dev			
12	1,1-Dichloroethene	0.389	0.364	6.4	98	0.00	1.77
13	Freon 113	0.230	0.229	0.4	97	0.00	1.79
		Amount	Calc.	%Drift			
14	Carbon Disulfide	40.000	33.319	16.7	81	0.00	1.79
15	Iodomethane	40.000	33.891	15.3	76	0.00	1.83
		AvgRF	CCRF	%Dev			
16	Acrolein	0.048	0.056	-16.7	117	0.00	1.91
17	Allyl chloride	0.380	0.371	2.4	99	0.00	2.00
18	Methylene Chloride	0.355	0.343	3.4	103	0.00	2.04
19	Acetone	0.100	0.100	0.0	99	0.00	2.05
20	Methyl acetate	0.249	0.250	-0.4	101	0.00	2.13
21	trans-1,2-Dichloroethene	0.386	0.353	8.5	100	0.00	2.13
22	Hexane	0.230	0.221	3.9	93	0.00	2.20
23	Methyl Tert Butyl Ether	0.701	0.703	-0.3	98	0.00	2.20
24	Acetonitrile	0.034	0.031	8.8	95	0.00	2.27
25	Tert Butyl Alcohol	0.040	0.037	7.5	92	0.00	2.21
26	Di-isopropyl ether	0.792	0.730	7.8	94	0.00	2.40

Initial Calibration Verification

Job Number: FC16676
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2A1910-ICV1910
Lab FileID: 2A56284.D

27		Chloroprene	1.038	1.004	3.3	98	0.00	2.44
28		1,1-Dichloroethane	0.493	0.444	9.9	97	0.00	2.44
29		Acrylonitrile	0.125	0.119	4.8	95	0.00	2.44
30		ETBE	0.751	0.725	3.5	94	0.00	2.58
31		Vinyl acetate	0.599	0.662	-10.5	104	0.00	2.56
		----------	Amount	Calc.	%Drift	----------		
32		cis-1,2-Dichloroethene	40.000	37.831	5.4	96	0.00	2.72
		----------	AvgRF	CCRF	%Dev	----------		
33		2,2-Dichloropropane	0.399	0.384	3.8	107	0.00	2.78
34		Bromochloromethane	0.139	0.131	5.8	97	0.00	2.82
35		Cyclohexane	0.458	0.439	4.1	97	0.00	2.86
		----------	Amount	Calc.	%Drift	----------		
36		Chloroform	40.000	39.888	0.3	98	0.00	2.86
		----------	AvgRF	CCRF	%Dev	----------		
37		Ethyl acetate	0.328	0.337	-2.7	97	0.00	2.91
38		Tetrahydrofuran	0.117	0.110	6.0	92	0.00	2.94
39	S	Dibromofluoromethane	0.289	0.286	1.0	102	0.00	2.96
40		Carbon Tetrachloride	0.381	0.373	2.1	101	0.00	2.96
41		1,1,1-Trichloroethane	0.437	0.396	9.4	97	0.00	2.99
42		2-Butanone	0.164	0.156	4.9	92	0.00	3.00
43		1,1-Dichloropropene	0.345	0.339	1.7	102	0.00	3.05
44		tert-Butyl formate	0.205	0.235	-14.6	106	0.00	3.10
45		Propionitrile	0.047	0.045	4.3	97	0.00	3.14
46		Methacrylonitrile	0.184	0.192	-4.3	101	0.00	3.17
47		Benzene	1.011	0.943	6.7	99	0.00	3.18
48		TAME	0.656	0.618	5.8	94	0.00	3.25
49	S	1,2-Dichloroethane-d4	0.346	0.351	-1.4	100	0.00	3.24
50		1,2-Dichloroethane	0.369	0.361	2.2	101	0.00	3.27
51		Isobutyl Alcohol	0.025	0.025	0.0	97	0.00	3.25
52		Tert Amyl Alcohol	0.032	0.032	0.0	100	0.00	3.32
53		Trichloroethene	0.288	0.273	5.2	100	0.00	3.51
54		Methylcyclohexane	0.446	0.442	0.9	99	0.00	3.53
55		Dibromomethane	0.175	0.171	2.3	100	0.00	3.74
56		1,2-Dichloropropane	0.261	0.260	0.4	102	0.00	3.79
57		Bromodichloromethane	0.365	0.335	8.2	96	0.00	3.83
58		Methyl methacrylate	0.246	0.258	-4.9	100	0.00	3.92
59		1,4-Dioxane	0.003	0.003	0.0	102	0.00	3.94
60		2-Chloroethyl vinyl ether	0.178	0.182	-2.2	100	0.00	4.17
61		cis-1,3-Dichloropropene	0.396	0.395	0.3	100	0.00	4.20
62	I	Chlorobenzene-d5	1.000	1.000	0.0	101	0.00	5.35
63	S	Toluene-d8	1.355	1.357	-0.1	102	0.00	4.34
64		Toluene	1.500	1.403	6.5	100	0.00	4.37
65		2-Nitropropane	0.132	0.142	-7.6	102	0.00	4.47
66		4-Methyl-2-pentanone	0.448	0.459	-2.5	102	0.00	4.58
67		trans-1,3-Dichloropropene	0.496	0.480	3.2	94	0.00	4.61
68		Tetrachloroethene	0.388	0.374	3.6	98	0.00	4.63
69		Ethyl methacrylate	0.444	0.450	-1.4	99	0.00	4.73
70		1,1,2-Trichloroethane	0.282	0.263	6.7	98	0.00	4.71
71		Dibromochloromethane	0.350	0.364	-4.0	100	0.00	4.84
72		1,3-Dichloropropane	0.490	0.529	-8.0	104	0.00	4.89
73		1,2-Dibromoethane	0.335	0.344	-2.7	99	0.00	4.99
74		3,3-Dimethyl-1-Butanol	0.055	0.054	1.8	100	0.00	5.12
75		2-hexanone	0.434	0.449	-3.5	103	0.00	5.14
76		1-Chlorohexane	0.568	0.511	10.0	98	0.00	5.36
77		Ethylbenzene	1.738	1.620	6.8	99	0.00	5.39

Initial Calibration Verification

Job Number: FC16676
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2A1910-ICV1910
Lab FileID: 2A56284.D

78		Chlorobenzene	0.971	0.902	7.1	98	0.00	5.36
79		1,1,1,2-Tetrachloroethane	0.331	0.324	2.1	99	0.00	5.41
80		m,p-Xylene	1.421	1.312	7.7	98	0.00	5.50
81		o-Xylene	1.488	1.358	8.7	96	0.00	5.80
82		Styrene	1.073	1.031	3.9	99	0.00	5.83
83		Bromoform	0.248	0.249	-0.4	98	0.00	5.84
84		Isopropylbenzene	1.753	1.613	8.0	98	0.00	6.04
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	0.00	7.09
86	S	4-Bromofluorobenzene	0.791	0.788	0.4	102	0.00	6.23
87		cis-1,4-Dichloro-2-butene	0.210	0.218	-3.8	105	0.00	6.26
88		n-Propylbenzene	3.687	3.345	9.3	98	0.00	6.34
89		Bromobenzene	0.699	0.684	2.1	104	0.00	6.31
90		1,1,2,2-Tetrachloroethane	0.823	0.761	7.5	98	0.00	6.37
91		1,3,5-Trimethylbenzene	2.504	2.302	8.1	98	0.00	6.50
92		2-Chlorotoluene	2.035	1.869	8.2	98	0.00	6.45
93		trans-1,4-Dichloro-2-Bute	0.265	0.285	-7.5	105	0.00	6.50
94		1,2,3-Trichloropropane	0.216	0.227	-5.1	106	0.00	6.46
95		Cyclohexanone	0.025	0.035	-40.0#	142	0.00	6.48
96		4-Chlorotoluene	2.179	1.977	9.3	97	0.00	6.58
97		tert-Butylbenzene	1.506	1.359	9.8	97	0.00	6.74
98		1,2,4-Trimethylbenzene	2.343	2.197	6.2	99	0.00	6.80
99		Pentachloroethane	0.377	0.390	-3.4	100	0.00	6.74
100		sec-Butylbenzene	3.172	2.774	12.5	92	0.00	6.88
101		4-Isopropyltoluene	2.693	2.425	10.0	96	0.00	7.01
102		1,3-Dichlorobenzene	1.360	1.252	7.9	97	0.00	7.03
103		1,2,3-Trimethylbenzene	2.322	2.177	6.2	97	0.00	7.14
104		1,4-Dichlorobenzene	1.360	1.274	6.3	98	0.00	7.10
105		n-Butylbenzene	1.232	1.187	3.7	102	0.00	7.34
106		Benzyl Chloride	0.302	0.325	-7.6	102	0.00	7.29
107		1,2-Dichlorobenzene	1.220	1.166	4.4	98	0.00	7.42
108		1,2-Dibromo-3-Chloropropa	0.167	0.165	1.2	100	0.00	8.00
109		Hexachlorobutadiene	0.346	0.321	7.2	102	0.00	8.51
110		1,2,4-Trichlorobenzene	0.742	0.688	7.3	97	0.00	8.50
111		Naphthalene	2.028	1.880	7.3	96	0.00	8.71
112		1,2,3-Trichlorobenzene	0.664	0.618	6.9	99	0.00	8.84

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2A56276.D V2A1910_06252024.M Tue Jun 25 13:48:29 2024

Continuing Calibration Summary

Job Number: FC16676
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2A1914-CC1910
Lab FileID: 2A56382.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\06-28-2024\2A56382.D Vial: 2
Acq On : 28 Jun 2024 7:21 am Operator: lianatr
Sample : CC1910-4 Inst : MSVOA17
Misc : MS56922,V2A1914,,,,, Multiplr: 1.00
MS Integration Params: med.p

Method : C:\msdchem\1\MET...A1910_06252024.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Tue Jun 25 13:23:01 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	90	0.00	3.40
2	Dichlorodifluoromethane	0.247	0.234	5.3	87	0.00	1.03
3	Chloromethane	0.284	0.252	11.3	85	0.00	1.13
	----------	Amount	Calc.	%Drift	----------		
4	1,3-butadiene	25.000	23.456	6.2	86	0.00	1.19
	----------	AvgRF	CCRF	%Dev	----------		
5	Vinyl Chloride	0.288	0.255	11.5	86	0.00	1.18
6	Bromomethane	0.125	0.132	-5.6	101	0.00	1.35
	----------	Amount	Calc.	%Drift	----------		
7	Chloroethane	25.000	24.204	3.2	90	0.00	1.42
	----------	AvgRF	CCRF	%Dev	----------		
8	Trichlorofluoromethane	0.382	0.396	-3.7	94	0.00	1.50
9	Ethyl Ether	0.204	0.184	9.8	85	0.00	1.66
10	Ethanol	0.003	0.004	-33.3#	121	0.00	1.71
	----------	Amount	Calc.	%Drift	----------		
11	1,2-Dichlorotrifluoroetha	25.000	37.466	-49.9#	132	0.00	1.75
	----------	AvgRF	CCRF	%Dev	----------		
12	1,1-Dichloroethene	0.389	0.375	3.6	90	0.00	1.77
13	Freon 113	0.230	0.238	-3.5	91	0.00	1.79
	----------	Amount	Calc.	%Drift	----------		
14	Carbon Disulfide	25.000	25.048	-0.2	89	0.00	1.79
15	Iodomethane	25.000	27.629	-10.5	102	0.00	1.83
	----------	AvgRF	CCRF	%Dev	----------		
16	Acrolein	0.048	0.046	4.2	85	0.00	1.91
17	Allyl chloride	0.380	0.368	3.2	89	0.00	2.00
18	Methylene Chloride	0.355	0.337	5.1	89	0.00	2.05
19	Acetone	0.100	0.107	-7.0	93	0.00	2.05
20	Methyl acetate	0.249	0.241	3.2	88	0.00	2.13
21	trans-1,2-Dichloroethene	0.386	0.343	11.1	86	0.00	2.14
22	Hexane	0.230	0.242	-5.2	94	0.00	2.20
23	Methyl Tert Butyl Ether	0.701	0.665	5.1	87	0.00	2.20
24	Acetonitrile	0.034	0.037	-8.8	97	0.00	2.27
25	Tert Butyl Alcohol	0.040	0.044	-10.0	102	0.00	2.21
26	Di-isopropyl ether	0.792	0.734	7.3	88	0.00	2.40

Continuing Calibration Summary

Job Number: FC16676
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2A1914-CC1910
Lab FileID: 2A56382.D

27		Chloroprene	1.038	1.034	0.4	90	0.00	2.44
28		1,1-Dichloroethane	0.493	0.445	9.7	88	0.00	2.44
29		Acrylonitrile	0.125	0.126	-0.8	90	0.00	2.44
30		ETBE	0.751	0.715	4.8	88	0.00	2.58
31		Vinyl acetate	0.599	0.627	-4.7	90	0.00	2.57
		----------	Amount	Calc.	%Drift	----------		
32		cis-1,2-Dichloroethene	25.000	23.057	7.8	86	0.00	2.72
		----------	AvgRF	CCRF	%Dev	----------		
33		2,2-Dichloropropane	0.399	0.360	9.8	90	0.00	2.78
34		Bromochloromethane	0.139	0.128	7.9	87	0.00	2.82
35		Cyclohexane	0.458	0.453	1.1	89	0.00	2.86
		----------	Amount	Calc.	%Drift	----------		
36		Chloroform	25.000	24.504	2.0	87	0.00	2.86
		----------	AvgRF	CCRF	%Dev	----------		
37		Ethyl acetate	0.328	0.344	-4.9	92	0.00	2.91
38		Tetrahydrofuran	0.117	0.123	-5.1	101	0.00	2.95
39	S	Dibromofluoromethane	0.289	0.282	2.4	89	0.00	2.96
40		Carbon Tetrachloride	0.381	0.386	-1.3	100	0.00	2.97
41		1,1,1-Trichloroethane	0.437	0.391	10.5	88	0.00	2.99
42		2-Butanone	0.164	0.175	-6.7	93	0.00	3.00
43		1,1-Dichloropropene	0.345	0.333	3.5	90	0.00	3.05
44		tert-Butyl formate	0.205	0.229	-11.7	99	0.00	3.10
45		Propionitrile	0.047	0.049	-4.3	93	0.00	3.14
46		Methacrylonitrile	0.184	0.194	-5.4	91	0.00	3.17
47		Benzene	1.011	0.938	7.2	90	0.00	3.18
48		TAME	0.656	0.637	2.9	91	0.00	3.25
49	S	1,2-Dichloroethane-d4	0.346	0.347	-0.3	89	0.00	3.24
50		1,2-Dichloroethane	0.369	0.346	6.2	87	0.00	3.27
51		Isobutyl Alcohol	0.025	0.028	-12.0	99	0.00	3.26
52		Tert Amyl Alcohol	0.032	0.036	-12.5	100	0.00	3.32
53		Trichloroethene	0.288	0.271	5.9	90	0.00	3.51
54		Methylcyclohexane	0.446	0.453	-1.6	94	0.00	3.53
55		Dibromomethane	0.175	0.162	7.4	86	0.00	3.74
56		1,2-Dichloropropane	0.261	0.242	7.3	87	0.00	3.79
57		Bromodichloromethane	0.365	0.332	9.0	86	0.00	3.83
58		Methyl methacrylate	0.246	0.255	-3.7	91	0.00	3.92
59		1,4-Dioxane	0.003	0.003	0.0	103	0.00	3.94
60		2-Chloroethyl vinyl ether	0.178	0.175	1.7	89	0.00	4.17
61		cis-1,3-Dichloropropene	0.396	0.378	4.5	87	0.00	4.21
62	I	Chlorobenzene-d5	1.000	1.000	0.0	89	0.00	5.35
63	S	Toluene-d8	1.355	1.376	-1.5	89	0.00	4.34
64		Toluene	1.500	1.387	7.5	88	0.00	4.37
65		2-Nitropropane	0.132	0.141	-6.8	93	0.00	4.47
66		4-Methyl-2-pentanone	0.448	0.458	-2.2	89	0.00	4.58
67		trans-1,3-Dichloropropene	0.496	0.491	1.0	89	0.00	4.61
68		Tetrachloroethene	0.388	0.388	0.0	92	0.00	4.63
69		Ethyl methacrylate	0.444	0.436	1.8	84	0.00	4.73
70		1,1,2-Trichloroethane	0.282	0.260	7.8	85	0.00	4.71
71		Dibromochloromethane	0.350	0.347	0.9	89	0.00	4.84
72		1,3-Dichloropropane	0.490	0.489	0.2	88	0.00	4.89
73		1,2-Dibromoethane	0.335	0.333	0.6	88	0.00	4.99
74		3,3-Dimethyl-1-Butanol	0.055	0.057	-3.6	94	0.00	5.12
75		2-hexanone	0.434	0.455	-4.8	91	0.00	5.14
76		1-Chlorohexane	0.568	0.501	11.8	83	0.00	5.37
77		Ethylbenzene	1.738	1.643	5.5	90	0.00	5.40

Continuing Calibration Summary

Job Number: FC16676
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2A1914-CC1910
Lab FileID: 2A56382.D

78		Chlorobenzene	0.971	0.919	5.4	89	0.00	5.37
79		1,1,1,2-Tetrachloroethane	0.331	0.326	1.5	90	0.00	5.41
80		m,p-Xylene	1.421	1.317	7.3	87	0.00	5.50
81		o-Xylene	1.488	1.357	8.8	86	0.00	5.80
82		Styrene	1.073	0.968	9.8	83	0.00	5.84
83		Bromoform	0.248	0.254	-2.4	91	0.00	5.84
84		Isopropylbenzene	1.753	1.599	8.8	86	0.00	6.04
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	89	0.00	7.09
86	S	4-Bromofluorobenzene	0.791	0.785	0.8	89	0.00	6.23
87		cis-1,4-Dichloro-2-butene	0.210	0.226	-7.6	99	0.00	6.26
88		n-Propylbenzene	3.687	3.327	9.8	87	0.00	6.35
89		Bromobenzene	0.699	0.643	8.0	88	0.00	6.31
90		1,1,2,2-Tetrachloroethane	0.823	0.751	8.7	86	0.00	6.37
91		1,3,5-Trimethylbenzene	2.504	2.256	9.9	87	0.00	6.51
92		2-Chlorotoluene	2.035	1.840	9.6	87	0.00	6.45
93		trans-1,4-Dichloro-2-Bute	0.265	0.268	-1.1	94	0.00	6.51
94		1,2,3-Trichloropropane	0.216	0.221	-2.3	91	0.00	6.47
95		Cyclohexanone	0.025	0.027	-8.0	102	0.00	6.48
96		4-Chlorotoluene	2.179	1.948	10.6	86	0.00	6.58
97		tert-Butylbenzene	1.506	1.329	11.8	86	0.00	6.74
98		1,2,4-Trimethylbenzene	2.343	2.133	9.0	87	0.00	6.80
99		Pentachloroethane	0.377	0.374	0.8	89	0.00	6.74
100		sec-Butylbenzene	3.172	2.888	9.0	87	0.00	6.89
101		4-Isopropyltoluene	2.693	2.448	9.1	88	0.00	7.01
102		1,3-Dichlorobenzene	1.360	1.253	7.9	87	0.00	7.04
103		1,2,3-Trimethylbenzene	2.322	2.152	7.3	87	0.00	7.14
104		1,4-Dichlorobenzene	1.360	1.264	7.1	88	0.00	7.11
105		n-Butylbenzene	1.232	1.128	8.4	88	0.00	7.34
106		Benzyl Chloride	0.302	0.302	0.0	87	0.00	7.29
107		1,2-Dichlorobenzene	1.220	1.133	7.1	87	0.00	7.43
108		1,2-Dibromo-3-Chloropropa	0.167	0.166	0.6	87	0.00	8.01
109		Hexachlorobutadiene	0.346	0.324	6.4	92	0.00	8.51
110		1,2,4-Trichlorobenzene	0.742	0.676	8.9	85	0.00	8.50
111		Naphthalene	2.028	1.904	6.1	86	0.00	8.71
112		1,2,3-Trichlorobenzene	0.664	0.607	8.6	87	0.00	8.84

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2A56274.D V2A1910_06252024.M Fri Jun 28 11:33:49 2024

Continuing Calibration Summary

Job Number: FC16676
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2A1914-ECC1910
Lab FileID: 2A56407.D

Evaluate Continuing Calibration Report

Data File : R:\GBS Manila Data V...914\V2A1914\2A56407.d Vial: 27
Acq On : 28 Jun 2024 5:24 pm Operator: lianatr
Sample : ECC1910-4 Inst : MSVOA17
Misc : MS56930,V2A1914,,,,, Multiplr: 1.00
MS Integration Params: med.p

Method : R:\GBS Manila Da...A1910_06252024.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Tue Jun 25 13:23:01 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 50% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	87	0.00	3.40
2	Dichlorodifluoromethane	0.247	0.223	9.7	81	0.00	1.03
3	Chloromethane	0.284	0.243	14.4	80	0.00	1.13
	----------	True	Calc.	% Drift	----------		
4	1,3-butadiene	25.000	24.012	4.0	85	0.00	1.19
	----------	AvgRF	CCRF	% Dev	----------		
5	Vinyl Chloride	0.288	0.246	14.6	81	0.00	1.17
6	Bromomethane	0.125	0.126	-0.8	94	0.00	1.35
	----------	True	Calc.	% Drift	----------		
7	Chloroethane	25.000	24.086	3.7	87	0.00	1.41
	----------	AvgRF	CCRF	% Dev	----------		
8	Trichlorofluoromethane	0.382	0.387	-1.3	90	0.00	1.50
9	Ethyl Ether	0.204	0.189	7.4	85	0.00	1.66
10	Ethanol	0.003	0.003	0.0	95	0.00	1.71
	----------	True	Calc.	% Drift	----------		
11	1,2-Dichlorotrifluoroetha	25.000	36.498	-46.0	125	0.00	1.74
	----------	AvgRF	CCRF	% Dev	----------		
12	1,1-Dichloroethene	0.389	0.356	8.5	83	0.00	1.76
13	Freon 113	0.230	0.233	-1.3	87	0.00	1.79
	----------	True	Calc.	% Drift	----------		
14	Carbon Disulfide	25.000	23.684	5.3	81	0.00	1.78
15	Iodomethane	25.000	29.639	-18.6	107	0.00	1.83
	----------	AvgRF	CCRF	% Dev	----------		
16	Acrolein	0.048	0.043	10.4	76	0.00	1.90
17	Allyl chloride	0.380	0.344	9.5	81	0.00	2.00
18	Methylene Chloride	0.355	0.336	5.4	86	0.00	2.04
19	Acetone	0.100	0.092	8.0	77	0.00	2.05
20	Methyl acetate	0.249	0.231	7.2	82	0.00	2.13
21	trans-1,2-Dichloroethene	0.386	0.338	12.4	82	0.00	2.13
22	Hexane	0.230	0.231	-0.4	87	0.00	2.20
23	Methyl Tert Butyl Ether	0.701	0.676	3.6	86	0.00	2.20
24	Acetonitrile	0.034	0.033	2.9	85	0.00	2.27
25	Tert Butyl Alcohol	0.040	0.039	2.5	89	0.00	2.21
26	Di-isopropyl ether	0.792	0.739	6.7	86	0.00	2.39

Continuing Calibration Summary

Job Number: FC16676
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2A1914-ECC1910
Lab FileID: 2A56407.D

27		Chloroprene	1.038	0.985	5.1	83	0.00	2.44
28		1,1-Dichloroethane	0.493	0.436	11.6	84	0.00	2.44
29		Acrylonitrile	0.125	0.119	4.8	83	0.00	2.44
30		ETBE	0.751	0.734	2.3	87	0.00	2.58
31		Vinyl acetate	0.599	0.611	-2.0	85	0.00	2.56
		----------	True	Calc.	% Drift	----------		
32		cis-1,2-Dichloroethene	25.000	22.574	9.7	82	0.00	2.72
		----------	AvgRF	CCRF	% Dev	----------		
33		2,2-Dichloropropane	0.399	0.319	20.1	77	0.00	2.78
34		Bromochloromethane	0.139	0.127	8.6	84	0.00	2.82
35		Cyclohexane	0.458	0.438	4.4	84	0.00	2.86
		----------	True	Calc.	% Drift	----------		
36		Chloroform	25.000	24.370	2.5	84	0.00	2.86
		----------	AvgRF	CCRF	% Dev	----------		
37		Ethyl acetate	0.328	0.325	0.9	84	0.00	2.91
38		Tetrahydrofuran	0.117	0.109	6.8	87	0.00	2.94
39	S	Dibromofluoromethane	0.289	0.282	2.4	86	0.00	2.95
40		Carbon Tetrachloride	0.381	0.348	8.7	87	0.00	2.96
41		1,1,1-Trichloroethane	0.437	0.389	11.0	85	0.00	2.99
42		2-Butanone	0.164	0.158	3.7	81	0.00	3.00
43		1,1-Dichloropropene	0.345	0.319	7.5	84	0.00	3.05
44		tert-Butyl formate	0.205	0.214	-4.4	90	0.00	3.10
45		Propionitrile	0.047	0.045	4.3	83	0.00	3.14
46		Methacrylonitrile	0.184	0.187	-1.6	85	0.00	3.17
47		Benzene	1.011	0.913	9.7	85	0.00	3.18
48		TAME	0.656	0.645	1.7	89	0.00	3.25
49	S	1,2-Dichloroethane-d4	0.346	0.351	-1.4	88	0.00	3.24
50		1,2-Dichloroethane	0.369	0.358	3.0	87	0.00	3.27
51		Isobutyl Alcohol	0.025	0.026	-4.0	90	0.00	3.26
52		Tert Amyl Alcohol	0.032	0.032	0.0	87	0.00	3.32
53		Trichloroethene	0.288	0.259	10.1	84	0.00	3.50
54		Methylcyclohexane	0.446	0.443	0.7	89	0.00	3.53
55		Dibromomethane	0.175	0.163	6.9	84	0.00	3.74
56		1,2-Dichloropropane	0.261	0.234	10.3	82	0.00	3.79
57		Bromodichloromethane	0.365	0.319	12.6	80	0.00	3.83
58		Methyl methacrylate	0.246	0.252	-2.4	88	0.00	3.92
59		1,4-Dioxane	0.003	0.003	0.0	113	0.00	3.94
60		2-Chloroethyl vinyl ether	0.178	0.173	2.8	86	0.00	4.17
61		cis-1,3-Dichloropropene	0.396	0.359	9.3	81	0.00	4.21
62	I	Chlorobenzene-d5	1.000	1.000	0.0	87	0.00	5.35
63	S	Toluene-d8	1.355	1.361	-0.4	86	0.00	4.34
64		Toluene	1.500	1.366	8.9	84	0.00	4.37
65		2-Nitropropane	0.132	0.126	4.5	81	0.00	4.47
66		4-Methyl-2-pentanone	0.448	0.440	1.8	84	0.00	4.58
67		trans-1,3-Dichloropropene	0.496	0.469	5.4	83	0.00	4.61
68		Tetrachloroethene	0.388	0.390	-0.5	90	0.00	4.63
69		Ethyl methacrylate	0.444	0.432	2.7	82	0.00	4.73
70		1,1,2-Trichloroethane	0.282	0.262	7.1	84	0.00	4.71
71		Dibromochloromethane	0.350	0.326	6.9	82	0.00	4.84
72		1,3-Dichloropropane	0.490	0.491	-0.2	87	0.00	4.89
73		1,2-Dibromoethane	0.335	0.329	1.8	86	0.00	4.99
74		3,3-Dimethyl-1-Butanol	0.055	0.053	3.6	84	0.00	5.12
75		2-hexanone	0.434	0.421	3.0	83	0.00	5.14
76		1-Chlorohexane	0.568	0.482	15.1	78	0.00	5.36
77		Ethylbenzene	1.738	1.580	9.1	85	0.00	5.39

Continuing Calibration Summary

Job Number: FC16676
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2A1914-ECC1910
Lab FileID: 2A56407.D

78		Chlorobenzene	0.971	0.895	7.8	85	0.00	5.36
79		1,1,1,2-Tetrachloroethane	0.331	0.320	3.3	87	0.00	5.41
80		m,p-Xylene	1.421	1.278	10.1	83	0.00	5.50
81		o-Xylene	1.488	1.347	9.5	84	0.00	5.80
82		Styrene	1.073	0.977	8.9	82	0.00	5.84
83		Bromoform	0.248	0.225	9.3	79	0.00	5.84
84		Isopropylbenzene	1.753	1.583	9.7	84	0.00	6.04
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	88	0.00	7.09
86	S	4-Bromofluorobenzene	0.791	0.771	2.5	86	0.00	6.23
87		cis-1,4-Dichloro-2-butene	0.210	0.167	20.5	72	0.00	6.26
88		n-Propylbenzene	3.687	3.223	12.6	83	0.00	6.35
89		Bromobenzene	0.699	0.632	9.6	85	0.00	6.31
90		1,1,2,2-Tetrachloroethane	0.823	0.737	10.4	84	0.00	6.37
91		1,3,5-Trimethylbenzene	2.504	2.221	11.3	85	0.00	6.50
92		2-Chlorotoluene	2.035	1.795	11.8	84	0.00	6.45
93		trans-1,4-Dichloro-2-Bute	0.265	0.232	12.5	80	0.00	6.50
94		1,2,3-Trichloropropane	0.216	0.208	3.7	85	0.00	6.47
95		Cyclohexanone	0.025	0.026	-4.0	96	0.00	6.48
96		4-Chlorotoluene	2.179	1.916	12.1	84	0.00	6.58
97		tert-Butylbenzene	1.506	1.340	11.0	86	0.00	6.75
98		1,2,4-Trimethylbenzene	2.343	2.108	10.0	86	0.00	6.80
99		Pentachloroethane	0.377	0.340	9.8	80	0.00	6.75
100		sec-Butylbenzene	3.172	2.856	10.0	85	0.00	6.89
101		4-Isopropyltoluene	2.693	2.413	10.4	85	0.00	7.01
102		1,3-Dichlorobenzene	1.360	1.245	8.5	86	0.00	7.04
103		1,2,3-Trimethylbenzene	2.322	2.158	7.1	86	0.00	7.14
104		1,4-Dichlorobenzene	1.360	1.250	8.1	86	0.00	7.11
105		n-Butylbenzene	1.232	1.113	9.7	86	0.00	7.34
106		Benzyl Chloride	0.302	0.237	21.5	68	0.00	7.29
107		1,2-Dichlorobenzene	1.220	1.139	6.6	87	0.00	7.42
108		1,2-Dibromo-3-Chloropropa	0.167	0.147	12.0	76	0.00	8.01
109		Hexachlorobutadiene	0.346	0.317	8.4	90	0.00	8.51
110		1,2,4-Trichlorobenzene	0.742	0.692	6.7	86	0.00	8.50
111		Naphthalene	2.028	1.892	6.7	85	0.00	8.71
112		1,2,3-Trichlorobenzene	0.664	0.616	7.2	87	0.00	8.84

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2A56274.D V2A1910_06252024.M Mon Jul 01 06:05:07 2024

Continuing Calibration Summary

Job Number: FC16676
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2A1921-CC1910
Lab FileID: 2A56571.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\07-05-2024\2A56571.D Vial: 2
Acq On : 5 Jul 2024 7:31 am Operator: lianatr
Sample : CC1910-4 Inst : MSVOA17
Misc : MS56968,V2A1921,,,,, Multiplr: 1.00
MS Integration Params: med.p

Method : C:\msdchem\1\MET...A1910_06252024.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Tue Jun 25 13:23:01 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	84	0.00	3.40
2	Dichlorodifluoromethane	0.247	0.269	-8.9	94	0.00	1.03
3	Chloromethane	0.284	0.263	7.4	83	0.00	1.13
	----------	Amount	Calc.	%Drift	----------		
4	1,3-butadiene	25.000	22.085	11.7	76	0.00	1.19
	----------	AvgRF	CCRF	%Dev	----------		
5	Vinyl Chloride	0.288	0.267	7.3	85	0.00	1.17
6	Bromomethane	0.125	0.115	8.0	83	0.00	1.35
	----------	Amount	Calc.	%Drift	----------		
7	Chloroethane	25.000	27.993	-12.0	97	0.00	1.42
	----------	AvgRF	CCRF	%Dev	----------		
8	Trichlorofluoromethane	0.382	0.425	-11.3	95	0.00	1.50
9	Ethyl Ether	0.204	0.187	8.3	81	0.00	1.66
10	Ethanol	0.003	0.003	0.0	98	0.00	1.70
	----------	Amount	Calc.	%Drift	----------		
11	1,2-Dichlorotrifluoroetha	25.000	37.101	-48.4#	122	0.00	1.75
	----------	AvgRF	CCRF	%Dev	----------		
12	1,1-Dichloroethene	0.389	0.377	3.1	85	0.00	1.76
13	Freon 113	0.230	0.245	-6.5	88	0.00	1.79
	----------	Amount	Calc.	%Drift	----------		
14	Carbon Disulfide	25.000	25.232	-0.9	84	0.00	1.78
15	Iodomethane	25.000	22.953	8.2	78	0.00	1.83
	----------	AvgRF	CCRF	%Dev	----------		
16	Acrolein	0.048	0.048	0.0	83	0.00	1.91
17	Allyl chloride	0.380	0.376	1.1	86	0.00	2.00
18	Methylene Chloride	0.355	0.343	3.4	85	0.00	2.04
19	Acetone	0.100	0.101	-1.0	82	0.00	2.05
20	Methyl acetate	0.249	0.235	5.6	80	0.00	2.13
21	trans-1,2-Dichloroethene	0.386	0.359	7.0	84	0.00	2.13
22	Hexane	0.230	0.248	-7.8	90	0.00	2.20
23	Methyl Tert Butyl Ether	0.701	0.675	3.7	82	0.00	2.20
24	Acetonitrile	0.034	0.035	-2.9	87	0.00	2.27
25	Tert Butyl Alcohol	0.040	0.042	-5.0	92	0.00	2.21
26	Di-isopropyl ether	0.792	0.736	7.1	82	0.00	2.40

Continuing Calibration Summary

Job Number: FC16676
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2A1921-CC1910
Lab FileID: 2A56571.D

27		Chloroprene	1.038	1.041	-0.3	84	0.00	2.43
28		1,1-Dichloroethane	0.493	0.456	7.5	84	0.00	2.44
29		Acrylonitrile	0.125	0.125	0.0	84	0.00	2.43
30		ETBE	0.751	0.751	0.0	86	0.00	2.58
31		Vinyl acetate	0.599	0.624	-4.2	84	0.00	2.56
		----------	Amount	Calc.	%Drift	----------		
32		cis-1,2-Dichloroethene	25.000	24.031	3.9	84	0.00	2.72
		----------	AvgRF	CCRF	%Dev	----------		
33		2,2-Dichloropropane	0.399	0.380	4.8	89	0.00	2.78
34		Bromochloromethane	0.139	0.134	3.6	85	0.00	2.82
35		Cyclohexane	0.458	0.456	0.4	84	0.00	2.86
		----------	Amount	Calc.	%Drift	----------		
36		Chloroform	25.000	25.567	-2.3	85	0.00	2.86
		----------	AvgRF	CCRF	%Dev	----------		
37		Ethyl acetate	0.328	0.338	-3.0	85	0.00	2.91
38		Tetrahydrofuran	0.117	0.115	1.7	89	0.00	2.94
39	S	Dibromofluoromethane	0.289	0.284	1.7	84	0.00	2.95
40		Carbon Tetrachloride	0.381	0.382	-0.3	93	0.00	2.96
41		1,1,1-Trichloroethane	0.437	0.422	3.4	89	0.00	2.99
42		2-Butanone	0.164	0.169	-3.0	84	0.00	3.00
43		1,1-Dichloropropene	0.345	0.336	2.6	85	0.00	3.05
44		tert-Butyl formate	0.205	0.245	-19.5	100	0.00	3.10
45		Propionitrile	0.047	0.048	-2.1	85	0.00	3.14
46		Methacrylonitrile	0.184	0.195	-6.0	86	0.00	3.17
47		Benzene	1.011	0.966	4.5	87	0.00	3.18
48		TAME	0.656	0.655	0.2	88	0.00	3.25
49	S	1,2-Dichloroethane-d4	0.346	0.355	-2.6	86	0.00	3.24
50		1,2-Dichloroethane	0.369	0.371	-0.5	87	0.00	3.27
51		Isobutyl Alcohol	0.025	0.027	-8.0	90	0.00	3.26
52		Tert Amyl Alcohol	0.032	0.034	-6.3	90	0.00	3.32
53		Trichloroethene	0.288	0.281	2.4	87	0.00	3.51
54		Methylcyclohexane	0.446	0.459	-2.9	89	0.00	3.53
55		Dibromomethane	0.175	0.168	4.0	83	0.00	3.74
56		1,2-Dichloropropane	0.261	0.239	8.4	81	0.00	3.79
57		Bromodichloromethane	0.365	0.339	7.1	82	0.00	3.83
58		Methyl methacrylate	0.246	0.254	-3.3	85	0.00	3.92
59		1,4-Dioxane	0.003	0.003	0.0	92	0.00	3.94
60		2-Chloroethyl vinyl ether	0.178	0.178	0.0	85	0.00	4.17
61		cis-1,3-Dichloropropene	0.396	0.374	5.6	81	0.00	4.21
62	I	Chlorobenzene-d5	1.000	1.000	0.0	87	0.00	5.35
63	S	Toluene-d8	1.355	1.324	2.3	83	0.00	4.34
64		Toluene	1.500	1.389	7.4	86	0.00	4.37
65		2-Nitropropane	0.132	0.138	-4.5	89	0.00	4.47
66		4-Methyl-2-pentanone	0.448	0.433	3.3	82	0.00	4.58
67		trans-1,3-Dichloropropene	0.496	0.490	1.2	86	0.00	4.61
68		Tetrachloroethene	0.388	0.397	-2.3	91	0.00	4.63
69		Ethyl methacrylate	0.444	0.410	7.7	77	0.00	4.73
70		1,1,2-Trichloroethane	0.282	0.251	11.0	80	0.00	4.71
71		Dibromochloromethane	0.350	0.355	-1.4	89	0.00	4.84
72		1,3-Dichloropropane	0.490	0.481	1.8	85	0.00	4.89
73		1,2-Dibromoethane	0.335	0.332	0.9	86	0.00	4.99
74		3,3-Dimethyl-1-Butanol	0.055	0.055	0.0	87	0.00	5.12
75		2-hexanone	0.434	0.427	1.6	83	0.00	5.14
76		1-Chlorohexane	0.568	0.493	13.2	79	0.00	5.36
77		Ethylbenzene	1.738	1.636	5.9	88	0.00	5.40

Continuing Calibration Summary

Job Number: FC16676 **Sample:** V2A1921-CC1910
Account: BHATALB Bhate Environmental **Lab FileID:** 2A56571.D
Project: Griffiss AFB; Rome, NY

78		Chlorobenzene	0.971	0.924	4.8	87	0.00	5.36
79		1,1,1,2-Tetrachloroethane	0.331	0.327	1.2	89	0.00	5.41
80		m,p-Xylene	1.421	1.319	7.2	85	0.00	5.50
81		o-Xylene	1.488	1.356	8.9	84	0.00	5.80
82		Styrene	1.073	0.982	8.5	82	0.00	5.84
83		Bromoform	0.248	0.254	-2.4	89	0.00	5.84
84		Isopropylbenzene	1.753	1.598	8.8	84	0.00	6.04
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	89	0.00	7.09
86	S	4-Bromofluorobenzene	0.791	0.776	1.9	88	0.00	6.23
87		cis-1,4-Dichloro-2-butene	0.210	0.228	-8.6	99	0.00	6.26
88		n-Propylbenzene	3.687	3.243	12.0	84	0.00	6.35
89		Bromobenzene	0.699	0.638	8.7	87	0.00	6.31
90		1,1,2,2-Tetrachloroethane	0.823	0.731	11.2	84	0.00	6.37
91		1,3,5-Trimethylbenzene	2.504	2.198	12.2	84	0.00	6.51
92		2-Chlorotoluene	2.035	1.803	11.4	85	0.00	6.45
93		trans-1,4-Dichloro-2-Bute	0.265	0.281	-6.0	98	0.00	6.50
94		1,2,3-Trichloropropane	0.216	0.206	4.6	85	0.00	6.47
95		Cyclohexanone	0.025	0.024	4.0	90	0.00	6.48
96		4-Chlorotoluene	2.179	1.938	11.1	85	0.00	6.58
97		tert-Butylbenzene	1.506	1.317	12.5	85	0.00	6.74
98		1,2,4-Trimethylbenzene	2.343	2.073	11.5	85	0.00	6.80
99		Pentachloroethane	0.377	0.376	0.3	89	0.00	6.74
100		sec-Butylbenzene	3.172	2.814	11.3	85	0.00	6.89
101		4-Isopropyltoluene	2.693	2.371	12.0	85	0.00	7.01
102		1,3-Dichlorobenzene	1.360	1.243	8.6	86	0.00	7.04
103		1,2,3-Trimethylbenzene	2.322	2.105	9.3	85	0.00	7.14
104		1,4-Dichlorobenzene	1.360	1.233	9.3	85	0.00	7.11
105		n-Butylbenzene	1.232	1.094	11.2	85	0.00	7.34
106		Benzyl Chloride	0.302	0.287	5.0	83	0.00	7.29
107		1,2-Dichlorobenzene	1.220	1.128	7.5	86	0.00	7.42
108		1,2-Dibromo-3-Chloropropa	0.167	0.149	10.8	78	0.00	8.01
109		Hexachlorobutadiene	0.346	0.318	8.1	90	0.00	8.51
110		1,2,4-Trichlorobenzene	0.742	0.674	9.2	85	0.00	8.50
111		Naphthalene	2.028	1.814	10.6	82	0.00	8.71
112		1,2,3-Trichlorobenzene	0.664	0.593	10.7	84	0.00	8.84

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2A56274.D V2A1910_06252024.M Fri Jul 05 11:28:17 2024

Continuing Calibration Summary

Job Number: FC16676
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2A1921-ECC1910
Lab FileID: 2A56597.D

Evaluate Continuing Calibration Report

Data File : R:\GBS Manila Data V...921\V2A1921\2A56597.d Vial: 28
Acq On : 5 Jul 2024 6:00 pm Operator: lianatr
Sample : ECC1910-4 Inst : MSVOA17
Misc : MS56977,V2A1921,,,,, Multiplr: 1.00
MS Integration Params: med.p

Method : R:\GBS Manila Da...A1910_06252024.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Tue Jun 25 13:23:01 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 50% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	86	0.00	3.40
2	Dichlorodifluoromethane	0.247	0.253	-2.4	90	0.00	1.03
3	Chloromethane	0.284	0.253	10.9	82	0.00	1.13
	----------	True	Calc.	% Drift	----------		
4	1,3-butadiene	25.000	20.382	18.5	72	0.00	1.19
	----------	AvgRF	CCRF	% Dev	----------		
5	Vinyl Chloride	0.288	0.253	12.2	82	0.00	1.18
6	Bromomethane	0.125	0.124	0.8	90	0.00	1.35
	----------	True	Calc.	% Drift	----------		
7	Chloroethane	25.000	24.758	1.0	88	0.00	1.42
	----------	AvgRF	CCRF	% Dev	----------		
8	Trichlorofluoromethane	0.382	0.398	-4.2	90	0.00	1.50
9	Ethyl Ether	0.204	0.188	7.8	82	0.00	1.66
10	Ethanol	0.003	0.004	-33.3	115	0.00	1.71
	----------	True	Calc.	% Drift	----------		
11	1,2-Dichlorotrifluoroetha	25.000	35.423	-41.7	118	0.00	1.75
	----------	AvgRF	CCRF	% Dev	----------		
12	1,1-Dichloroethene	0.389	0.354	9.0	81	0.00	1.77
13	Freon 113	0.230	0.227	1.3	83	0.00	1.79
	----------	True	Calc.	% Drift	----------		
14	Carbon Disulfide	25.000	22.763	8.9	77	0.00	1.79
15	Iodomethane	25.000	22.530	9.9	78	0.00	1.83
	----------	AvgRF	CCRF	% Dev	----------		
16	Acrolein	0.048	0.044	8.3	77	0.00	1.91
17	Allyl chloride	0.380	0.340	10.5	79	0.00	2.00
18	Methylene Chloride	0.355	0.334	5.9	84	0.00	2.04
19	Acetone	0.100	0.098	2.0	81	0.00	2.05
20	Methyl acetate	0.249	0.233	6.4	81	0.00	2.13
21	trans-1,2-Dichloroethene	0.386	0.329	14.8	78	0.00	2.14
22	Hexane	0.230	0.226	1.7	83	0.00	2.20
23	Methyl Tert Butyl Ether	0.701	0.670	4.4	83	0.00	2.20
24	Acetonitrile	0.034	0.034	0.0	84	0.00	2.27
25	Tert Butyl Alcohol	0.040	0.046	-15.0	102	0.00	2.21
26	Di-isopropyl ether	0.792	0.713	10.0	81	0.00	2.40

Continuing Calibration Summary

Job Number: FC16676
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2A1921-ECC1910
Lab FileID: 2A56597.D

			True	Calc.	% Drift			
27		Chloroprene	1.038	0.986	5.0	81	0.00	2.44
28		1,1-Dichloroethane	0.493	0.434	12.0	82	0.00	2.44
29		Acrylonitrile	0.125	0.122	2.4	84	0.00	2.44
30		ETBE	0.751	0.723	3.7	84	0.00	2.58
31		Vinyl acetate	0.599	0.576	3.8	79	0.00	2.56
			True	Calc.	% Drift			
32		cis-1,2-Dichloroethene	25.000	22.047	11.8	78	0.00	2.72
			AvgRF	CCRF	% Dev			
33		2,2-Dichloropropane	0.399	0.313	21.6	74	0.00	2.78
34		Bromochloromethane	0.139	0.131	5.8	85	0.00	2.82
35		Cyclohexane	0.458	0.433	5.5	81	0.00	2.86
			True	Calc.	% Drift			
36		Chloroform	25.000	24.333	2.7	82	0.00	2.86
			AvgRF	CCRF	% Dev			
37		Ethyl acetate	0.328	0.324	1.2	82	0.00	2.91
38		Tetrahydrofuran	0.117	0.111	5.1	87	0.00	2.94
39	S	Dibromofluoromethane	0.289	0.284	1.7	86	0.00	2.96
40		Carbon Tetrachloride	0.381	0.351	7.9	86	0.00	2.96
41		1,1,1-Trichloroethane	0.437	0.393	10.1	84	0.00	2.99
42		2-Butanone	0.164	0.162	1.2	82	0.00	3.00
43		1,1-Dichloropropene	0.345	0.313	9.3	81	0.00	3.05
44		tert-Butyl formate	0.205	0.217	-5.9	90	0.00	3.10
45		Propionitrile	0.047	0.046	2.1	83	0.00	3.14
46		Methacrylonitrile	0.184	0.189	-2.7	84	0.00	3.17
47		Benzene	1.011	0.903	10.7	82	0.00	3.18
48		TAME	0.656	0.642	2.1	87	0.00	3.25
49	S	1,2-Dichloroethane-d4	0.346	0.354	-2.3	87	0.00	3.24
50		1,2-Dichloroethane	0.369	0.360	2.4	86	0.00	3.27
51		Isobutyl Alcohol	0.025	0.027	-8.0	92	0.00	3.26
52		Tert Amyl Alcohol	0.032	0.038	-18.7	101	0.00	3.32
53		Trichloroethene	0.288	0.265	8.0	84	0.00	3.51
54		Methylcyclohexane	0.446	0.440	1.3	87	0.00	3.53
55		Dibromomethane	0.175	0.164	6.3	83	0.00	3.74
56		1,2-Dichloropropane	0.261	0.229	12.3	78	0.00	3.79
57		Bromodichloromethane	0.365	0.324	11.2	80	0.00	3.83
58		Methyl methacrylate	0.246	0.253	-2.8	86	0.00	3.92
59		1,4-Dioxane	0.003	0.004	-33.3	139	0.00	3.94
60		2-Chloroethyl vinyl ether	0.178	0.177	0.6	86	0.00	4.17
61		cis-1,3-Dichloropropene	0.396	0.356	10.1	78	0.00	4.21
62	I	Chlorobenzene-d5	1.000	1.000	0.0	89	0.00	5.35
63	S	Toluene-d8	1.355	1.335	1.5	85	0.00	4.34
64		Toluene	1.500	1.322	11.9	83	0.00	4.37
65		2-Nitropropane	0.132	0.125	5.3	82	0.00	4.47
66		4-Methyl-2-pentanone	0.448	0.418	6.7	81	0.00	4.58
67		trans-1,3-Dichloropropene	0.496	0.455	8.3	82	0.00	4.61
68		Tetrachloroethene	0.388	0.402	-3.6	94	0.00	4.63
69		Ethyl methacrylate	0.444	0.395	11.0	76	0.00	4.73
70		1,1,2-Trichloroethane	0.282	0.251	11.0	82	0.00	4.71
71		Dibromochloromethane	0.350	0.331	5.4	84	0.00	4.84
72		1,3-Dichloropropane	0.490	0.468	4.5	84	0.00	4.89
73		1,2-Dibromoethane	0.335	0.322	3.9	85	0.00	4.99
74		3,3-Dimethyl-1-Butanol	0.055	0.057	-3.6	93	0.00	5.12
75		2-hexanone	0.434	0.423	2.5	84	0.00	5.14
76		1-Chlorohexane	0.568	0.463	18.5	76	0.00	5.36
77		Ethylbenzene	1.738	1.523	12.4	83	0.00	5.39

Continuing Calibration Summary

Job Number: FC16676
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2A1921-ECC1910
Lab FileID: 2A56597.D

78		Chlorobenzene	0.971	0.875	9.9	84	0.00	5.36
79		1,1,1,2-Tetrachloroethane	0.331	0.312	5.7	86	0.00	5.41
80		m,p-Xylene	1.421	1.238	12.9	82	0.00	5.50
81		o-Xylene	1.488	1.281	13.9	81	0.00	5.80
82		Styrene	1.073	0.929	13.4	79	0.00	5.84
83		Bromoform	0.248	0.236	4.8	84	0.00	5.84
84		Isopropylbenzene	1.753	1.523	13.1	82	0.00	6.04
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	91	0.00	7.09
86	S	4-Bromofluorobenzene	0.791	0.771	2.5	89	0.00	6.23
87		cis-1,4-Dichloro-2-butene	0.210	0.196	6.7	87	0.00	6.26
88		n-Propylbenzene	3.687	3.042	17.5	81	0.00	6.35
89		Bromobenzene	0.699	0.617	11.7	86	0.00	6.31
90		1,1,2,2-Tetrachloroethane	0.823	0.706	14.2	83	0.00	6.37
91		1,3,5-Trimethylbenzene	2.504	2.113	15.6	83	0.00	6.50
92		2-Chlorotoluene	2.035	1.710	16.0	82	0.00	6.45
93		trans-1,4-Dichloro-2-Bute	0.265	0.250	5.7	89	0.00	6.50
94		1,2,3-Trichloropropane	0.216	0.209	3.2	88	0.00	6.47
95		Cyclohexanone	0.025	0.029	-16.0	110	0.00	6.48
96		4-Chlorotoluene	2.179	1.845	15.3	83	0.00	6.58
97		tert-Butylbenzene	1.506	1.292	14.2	85	0.00	6.74
98		1,2,4-Trimethylbenzene	2.343	2.002	14.6	83	0.00	6.80
99		Pentachloroethane	0.377	0.315	16.4	76	0.00	6.74
100		sec-Butylbenzene	3.172	2.753	13.2	85	0.00	6.89
101		4-Isopropyltoluene	2.693	2.362	12.3	86	0.00	7.01
102		1,3-Dichlorobenzene	1.360	1.202	11.6	85	0.00	7.04
103		1,2,3-Trimethylbenzene	2.322	2.096	9.7	86	0.00	7.14
104		1,4-Dichlorobenzene	1.360	1.203	11.5	85	0.00	7.11
105		n-Butylbenzene	1.232	1.080	12.3	86	0.00	7.34
106		Benzyl Chloride	0.302	0.220	27.2	65	0.00	7.29
107		1,2-Dichlorobenzene	1.220	1.094	10.3	86	0.00	7.42
108		1,2-Dibromo-3-Chloropropa	0.167	0.151	9.6	81	0.00	8.01
109		Hexachlorobutadiene	0.346	0.326	5.8	95	0.00	8.51
110		1,2,4-Trichlorobenzene	0.742	0.693	6.6	89	0.00	8.50
111		Naphthalene	2.028	1.833	9.6	85	0.00	8.71
112		1,2,3-Trichlorobenzene	0.664	0.625	5.9	91	0.00	8.84

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2A56274.D V2A1910_06252024.M Mon Jul 08 05:03:00 2024

Run Sequence Report

Job Number: FC16676
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Run ID: V2A1910	**Method:** SW846 8260D	**Instrument ID:** GCMS2A

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V2A1910-BFB	2A56264.D	06/25/24 07:28	n/a	BFB Tune
V2A1910-IC1910	2A56266.D	06/25/24 08:07	n/a	Initial cal 1
V2A1910-IC1910	2A56268.D	06/25/24 08:39	n/a	Initial cal 8
V2A1910-IC1910	2A56270.D	06/25/24 09:11	n/a	Initial cal 2
V2A1910-IC1910	2A56272.D	06/25/24 09:43	n/a	Initial cal 3
V2A1910-IC1910	2A56274.D	06/25/24 10:15	n/a	Initial cal 4
V2A1910-ICC1910	2A56276.D	06/25/24 10:47	n/a	Initial cal 5
V2A1910-IC1910	2A56278.D	06/25/24 11:19	n/a	Initial cal 6
V2A1910-IC1910	2A56280.D	06/25/24 11:51	n/a	Initial cal 7
V2A1910-ICV1910	2A56284.D	06/25/24 13:01	n/a	Initial cal verification 5
V2A1910-BS	2A56286.D	06/25/24 13:33	n/a	Blank Spike
V2A1910-MB	2A56288.D	06/25/24 14:22	n/a	Method Blank
FC16589-2	2A56290.D	06/25/24 14:57	n/a	(used for QC only; not part of job FC16676)
ZZZZZZ	2A56291.D	06/25/24 15:16	n/a	(unrelated sample)
ZZZZZZ	2A56292.D	06/25/24 15:40	n/a	(unrelated sample)
ZZZZZZ	2A56293.D	06/25/24 16:04	n/a	(unrelated sample)
ZZZZZZ	2A56294.D	06/25/24 16:28	n/a	(unrelated sample)
FC16589-2MS	2A56295.D	06/25/24 16:53	n/a	Matrix Spike
FC16589-2MSD	2A56296.D	06/25/24 17:17	n/a	Matrix Spike Duplicate
V2A1910-ECC1910	2A56297.D	06/25/24 17:41	n/a	Ending cal 4

Run Sequence Report

Job Number: FC16676
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Run ID: V2A1914 **Method:** SW846 8260D **Instrument ID:** GCMS2A

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V2A1914-BFB	2A56381.D	06/28/24 06:55	n/a	BFB Tune
V2A1914-CC1910	2A56382.D	06/28/24 07:21	n/a	Continuing cal 4
V2A1914-BS	2A56383.D	06/28/24 07:47	n/a	Blank Spike
V2A1914-MB	2A56385.D	06/28/24 08:35	n/a	Method Blank
FC16676-1	2A56386.D	06/28/24 09:00	n/a	789MW-135_0624
FC16676-2	2A56387.D	06/28/24 09:24	n/a	789MW-46R_0624
FC16676-3	2A56388.D	06/28/24 09:48	n/a	789MW-83_0624
FC16676-4	2A56389.D	06/28/24 10:12	n/a	789MW-95_0624
FC16676-5	2A56390.D	06/28/24 10:36	n/a	789MW-98_0624
FC16676-6	2A56391.D	06/28/24 11:00	n/a	789MW-99_0624
FC16676-7	2A56392.D	06/28/24 11:24	n/a	789MW-99_0624-A
ZZZZZZ	2A56393.D	06/28/24 11:48	n/a	(unrelated sample)
ZZZZZZ	2A56394.D	06/28/24 12:12	n/a	(unrelated sample)
ZZZZZZ	2A56395.D	06/28/24 12:36	n/a	(unrelated sample)
ZZZZZZ	2A56396.D	06/28/24 13:00	n/a	(unrelated sample)
FC16676-8	2A56397.D	06/28/24 13:24	n/a	789MW-216_0624
FC16676-9	2A56398.D	06/28/24 13:48	n/a	789MW-222_0624
FC16676-10	2A56399.D	06/28/24 14:12	n/a	789MW-251_0624
FC16676-11	2A56400.D	06/28/24 14:36	n/a	789SW-02_0624
FC16676-12	2A56401.D	06/28/24 15:00	n/a	789SW-03_0624
FC16676-13	2A56402.D	06/28/24 15:24	n/a	789SW-04_0624
FC16676-14	2A56403.D	06/28/24 15:48	n/a	789-AB01_0624-D
FC16676-15	2A56404.D	06/28/24 16:12	n/a	789-TB01_0624-C
FC16676-9MS	2A56405.D	06/28/24 16:36	n/a	Matrix Spike
FC16676-9MSD	2A56406.D	06/28/24 17:00	n/a	Matrix Spike Duplicate
V2A1914-ECC1910	2A56407.D	06/28/24 17:24	n/a	Ending cal 4

Run Sequence Report

Job Number: FC16676
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Run ID: V2A1921 **Method:** SW846 8260D **Instrument ID:** GCMS2A

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V2A1921-BFB	2A56570.D	07/05/24 07:05	n/a	BFB Tune
V2A1921-CC1910	2A56571.D	07/05/24 07:31	n/a	Continuing cal 4
V2A1921-BS	2A56572.D	07/05/24 07:58	n/a	Blank Spike
V2A1921-MB	2A56574.D	07/05/24 08:46	n/a	Method Blank
FC16907-3	2A56575.D	07/05/24 09:12	n/a	(used for QC only; not part of job FC16676)
ZZZZZZ	2A56576.D	07/05/24 09:36	n/a	(unrelated sample)
ZZZZZZ	2A56577.D	07/05/24 10:00	n/a	(unrelated sample)
ZZZZZZ	2A56578.D	07/05/24 10:24	n/a	(unrelated sample)
ZZZZZZ	2A56579.D	07/05/24 10:48	n/a	(unrelated sample)
ZZZZZZ	2A56580.D	07/05/24 11:12	n/a	(unrelated sample)
ZZZZZZ	2A56581.D	07/05/24 11:36	n/a	(unrelated sample)
ZZZZZZ	2A56582.D	07/05/24 12:00	n/a	(unrelated sample)
FC16676-5	2A56583.D	07/05/24 12:24	n/a	789MW-98_0624
ZZZZZZ	2A56584.D	07/05/24 12:48	n/a	(unrelated sample)
ZZZZZZ	2A56585.D	07/05/24 13:12	n/a	(unrelated sample)
ZZZZZZ	2A56586.D	07/05/24 13:36	n/a	(unrelated sample)
ZZZZZZ	2A56587.D	07/05/24 14:00	n/a	(unrelated sample)
ZZZZZZ	2A56588.D	07/05/24 14:24	n/a	(unrelated sample)
ZZZZZZ	2A56589.D	07/05/24 14:48	n/a	(unrelated sample)
ZZZZZZ	2A56590.D	07/05/24 15:12	n/a	(unrelated sample)
ZZZZZZ	2A56591.D	07/05/24 15:36	n/a	(unrelated sample)
ZZZZZZ	2A56592.D	07/05/24 16:00	n/a	(unrelated sample)
ZZZZZZ	2A56593.D	07/05/24 16:24	n/a	(unrelated sample)
ZZZZZZ	2A56594.D	07/05/24 16:48	n/a	(unrelated sample)
FC16907-3MS	2A56595.D	07/05/24 17:12	n/a	Matrix Spike
FC16907-3MSD	2A56596.D	07/05/24 17:36	n/a	Matrix Spike Duplicate
V2A1921-ECC1910	2A56597.D	07/05/24 18:00	n/a	Ending cal 4

MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\V2A1914\
Data File : 2A56386.d
Acq On : 28 Jun 2024 9:00 am
Operator : lianatr
Sample : FC16676-1 Inst : MSVOA17
Misc : MS56930,V2A1914,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 01 04:59:00 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.405	96	249300	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.352	117	188764	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.091	152	109718	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	2.950	113	73167	50.83	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.66%			
49) 1,2-Dichloroethane-d4	3.235	65	85887	49.78	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 99.56%			
63) Toluene-d8	4.336	98	255367	49.90	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 99.80%			
86) 4-Bromofluorobenzene	6.229	174	85648	49.32	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.64%			

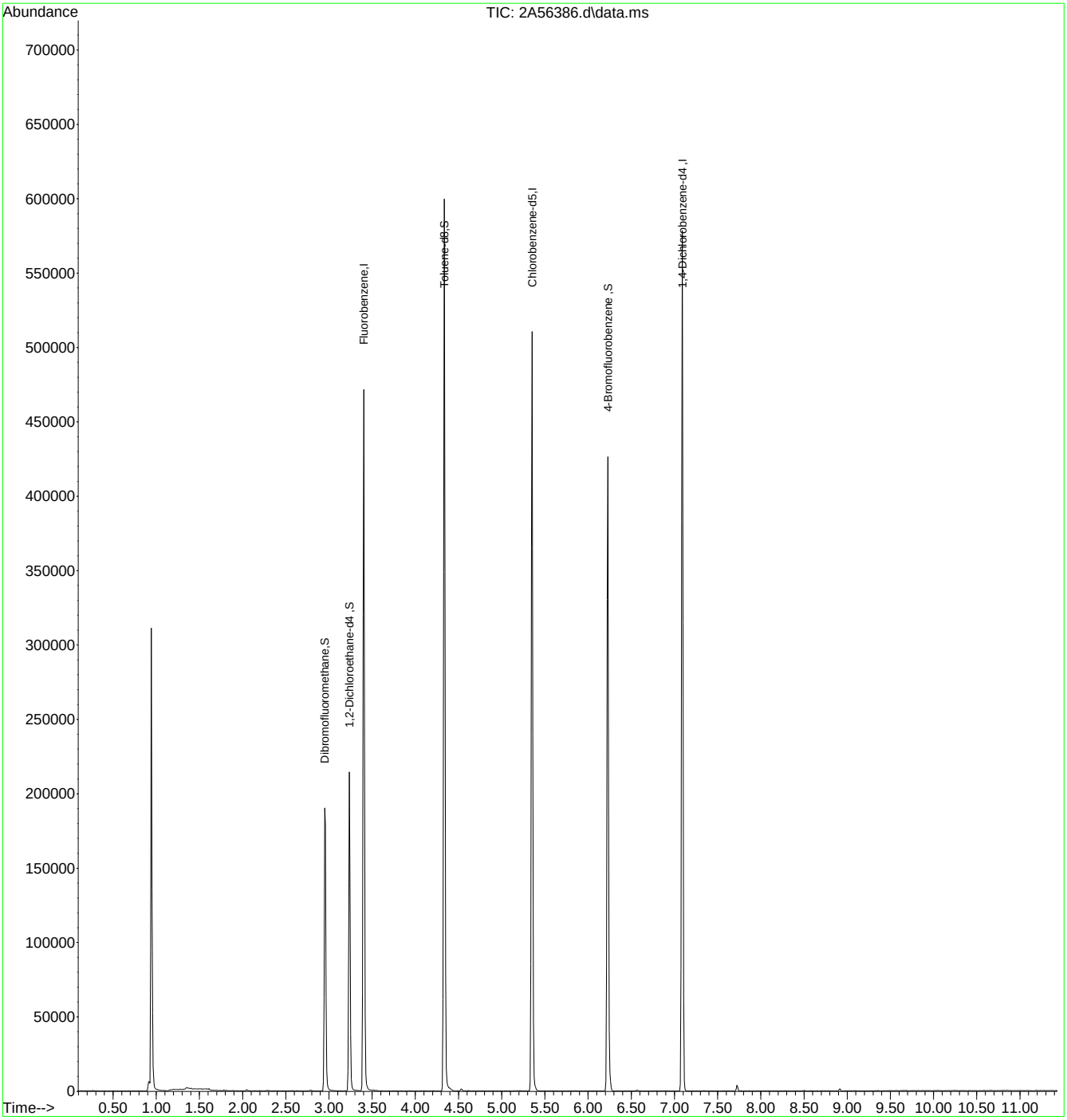
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\V2A1914\
Data File : 2A56386.d
Acq On : 28 Jun 2024 9:00 am
Operator : lianatr
Sample : FC16676-1 Inst : MSVOA17
Misc : MS56930,V2A1914,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 01 04:59:00 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\V2A1914\
Data File : 2A56387.d
Acq On : 28 Jun 2024 9:24 am
Operator : lianatr
Sample : FC16676-2 Inst : MSVOA17
Misc : MS56930,V2A1914,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 01 05:16:58 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration

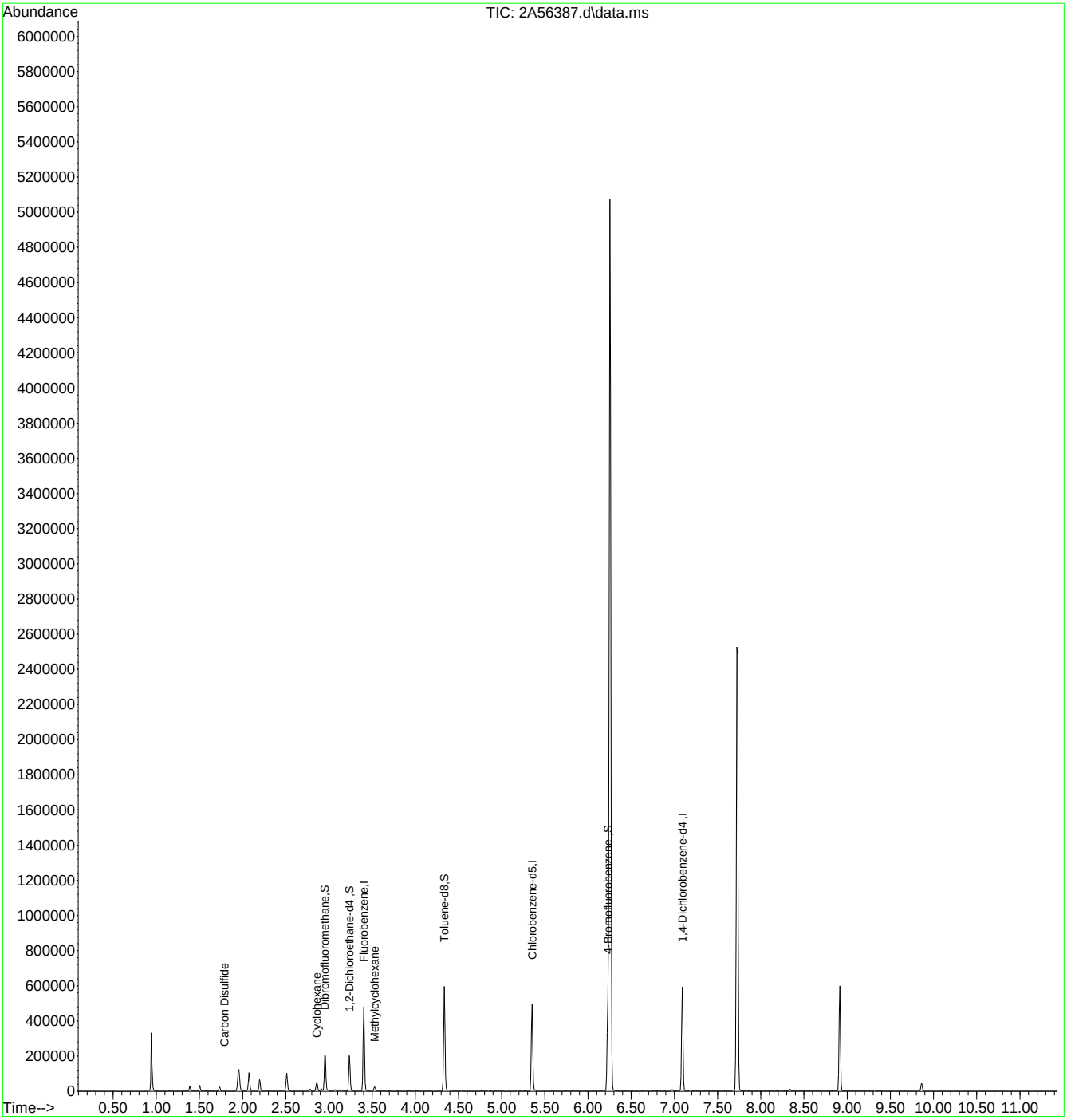
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.405	96	250017	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.352	117	186448	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.091	152	108652	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	2.951	113	72368	50.13	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.26%			
49) 1,2-Dichloroethane-d4	3.235	65	85107	49.19	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 98.38%			
63) Toluene-d8	4.336	98	253416	50.14	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.28%			
86) 4-Bromofluorobenzene	6.229	174	86276	50.17	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.34%			
Target Compounds						Qvalue
14) Carbon Disulfide	1.789	76	870	0.2490	ug/L	99
35) Cyclohexane	2.858	56	12581	5.4981	ug/L #	72
54) Methylcyclohexane	3.528	83	6324	2.8333	ug/L #	79

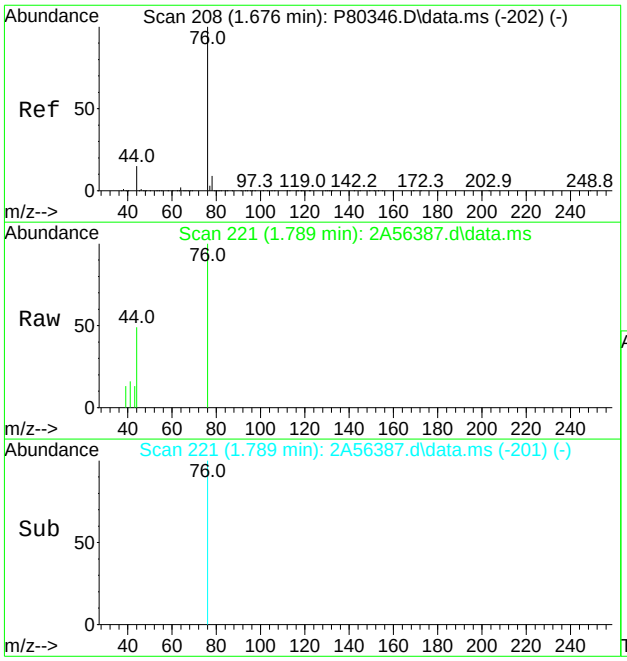
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\V2A1914\
Data File : 2A56387.d
Acq On : 28 Jun 2024 9:24 am
Operator : lianatr
Sample : FC16676-2 Inst : MSVOA17
Misc : MS56930,V2A1914,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 01 05:16:58 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration

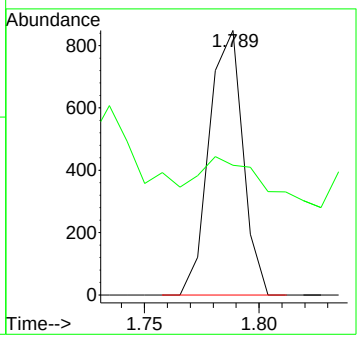


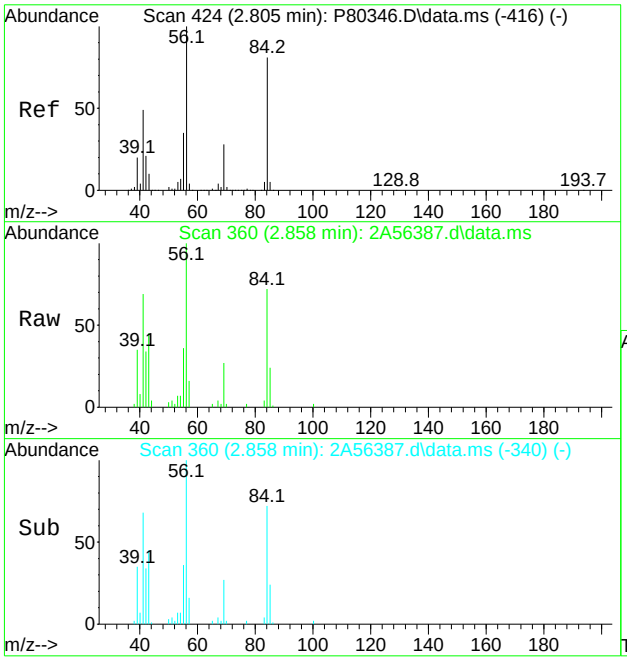


#14
Carbon Disulfide
Concen: 0.2490 ug/L
RT: 1.789 min Scan# 221
Delta R.T. 0.001 min
Lab File: 2A56387.d
Acq: 28 Jun 2024 9:24 am

Tgt Ion: 76 Resp: 870

Ion	Ratio	Lower	Upper
76	100		
44	10.0	0.0	39.6

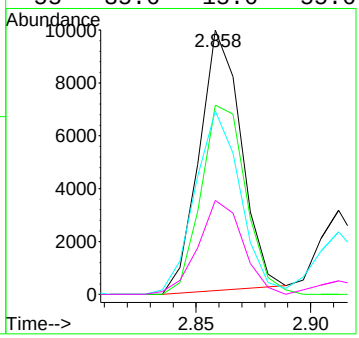


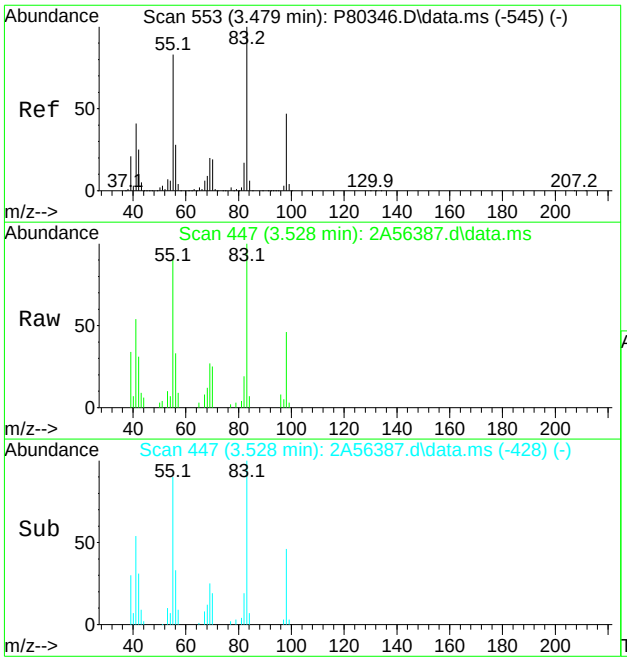


#35
Cyclohexane
Concen: 5.4981 ug/L
RT: 2.858 min Scan# 360
Delta R.T. 0.000 min
Lab File: 2A56387.d
Acq: 28 Jun 2024 9:24 am

Tgt Ion: 56 Resp: 12581

Ion	Ratio	Lower	Upper
56	100		
84	71.6	84.9	124.9#
41	67.6	22.8	62.8#
55	35.6	15.6	55.6

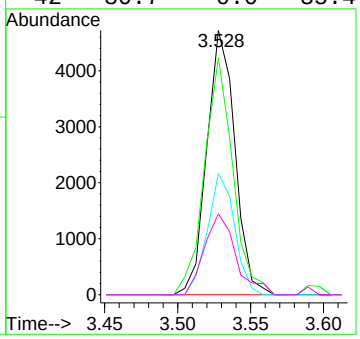




#54
Methylcyclohexane
Concen: 2.8333 ug/L
RT: 3.528 min Scan# 447
Delta R.T. -0.000 min
Lab File: 2A56387.d
Acq: 28 Jun 2024 9:24 am

Tgt Ion: 83 Resp: 6324

Ion	Ratio	Lower	Upper
83	100		
55	89.6	45.2	85.2#
98	46.0	28.6	68.6
42	30.7	0.0	35.4



Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\V2A1914\
Data File : 2A56388.d
Acq On : 28 Jun 2024 9:48 am
Operator : lianatr
Sample : FC16676-3 Inst : MSVOA17
Misc : MS56930,V2A1914,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 01 05:17:25 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration

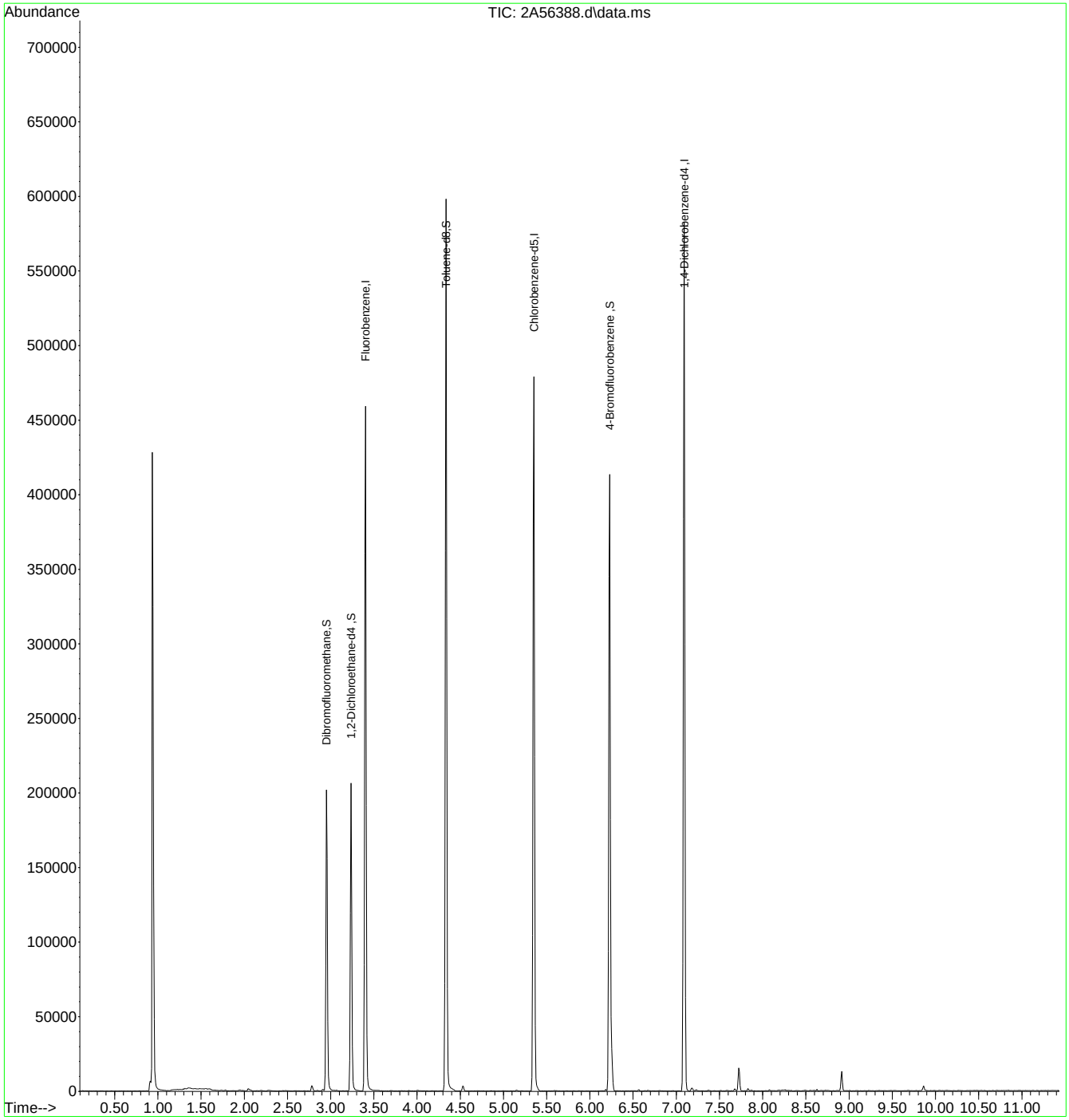
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.405	96	244959	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.352	117	186223	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.091	152	109242	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	2.951	113	71905	50.84	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.68%			
49) 1,2-Dichloroethane-d4	3.235	65	86172	50.83	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 101.66%			
63) Toluene-d8	4.336	98	251034	49.73	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 99.46%			
86) 4-Bromofluorobenzene	6.229	174	84863	49.09	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.18%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\V2A1914\
Data File : 2A56388.d
Acq On : 28 Jun 2024 9:48 am
Operator : lianatr
Sample : FC16676-3 Inst : MSVOA17
Misc : MS56930,V2A1914,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 01 05:17:25 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\V2A1914\
Data File : 2A56389.d
Acq On : 28 Jun 2024 10:12 am
Operator : lianatr
Sample : FC16676-4 Inst : MSVOA17
Misc : MS56930,V2A1914,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 01 05:17:58 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration

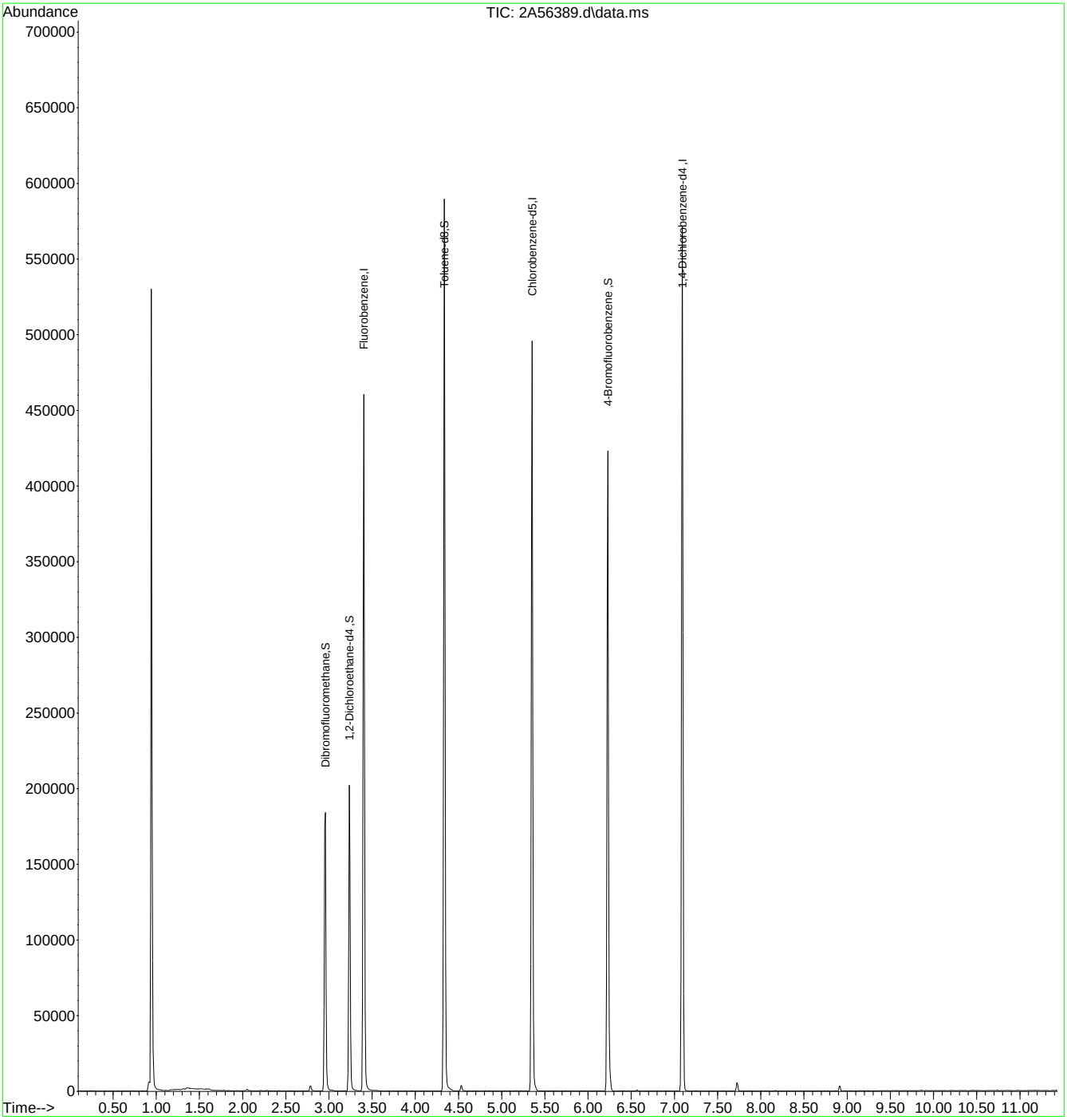
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.405	96	242850	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.352	117	185493	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.091	152	106997	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	2.958	113	71530	51.02	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.04%			
49) 1,2-Dichloroethane-d4	3.235	65	85176	50.68	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 101.36%			
63) Toluene-d8	4.336	98	249165	49.55	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 99.10%			
86) 4-Bromofluorobenzene	6.229	174	83298	49.19	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.38%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\V2A1914\
Data File : 2A56389.d
Acq On : 28 Jun 2024 10:12 am
Operator : lianatr
Sample : FC16676-4 Inst : MSVOA17
Misc : MS56930,V2A1914,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 01 05:17:58 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Neil Christiana 07/08/24 07:50

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\7-8\V2A1921\V2A1921\
Data File : 2A56583.d
Acq On : 5 Jul 2024 12:24 pm
Operator : lianatr
Sample : FC16676-5 Inst : MSVOA17
Misc : MS56977,V2A1921,,,,,2
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jul 08 04:49:54 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\7-8\V2A1921\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration

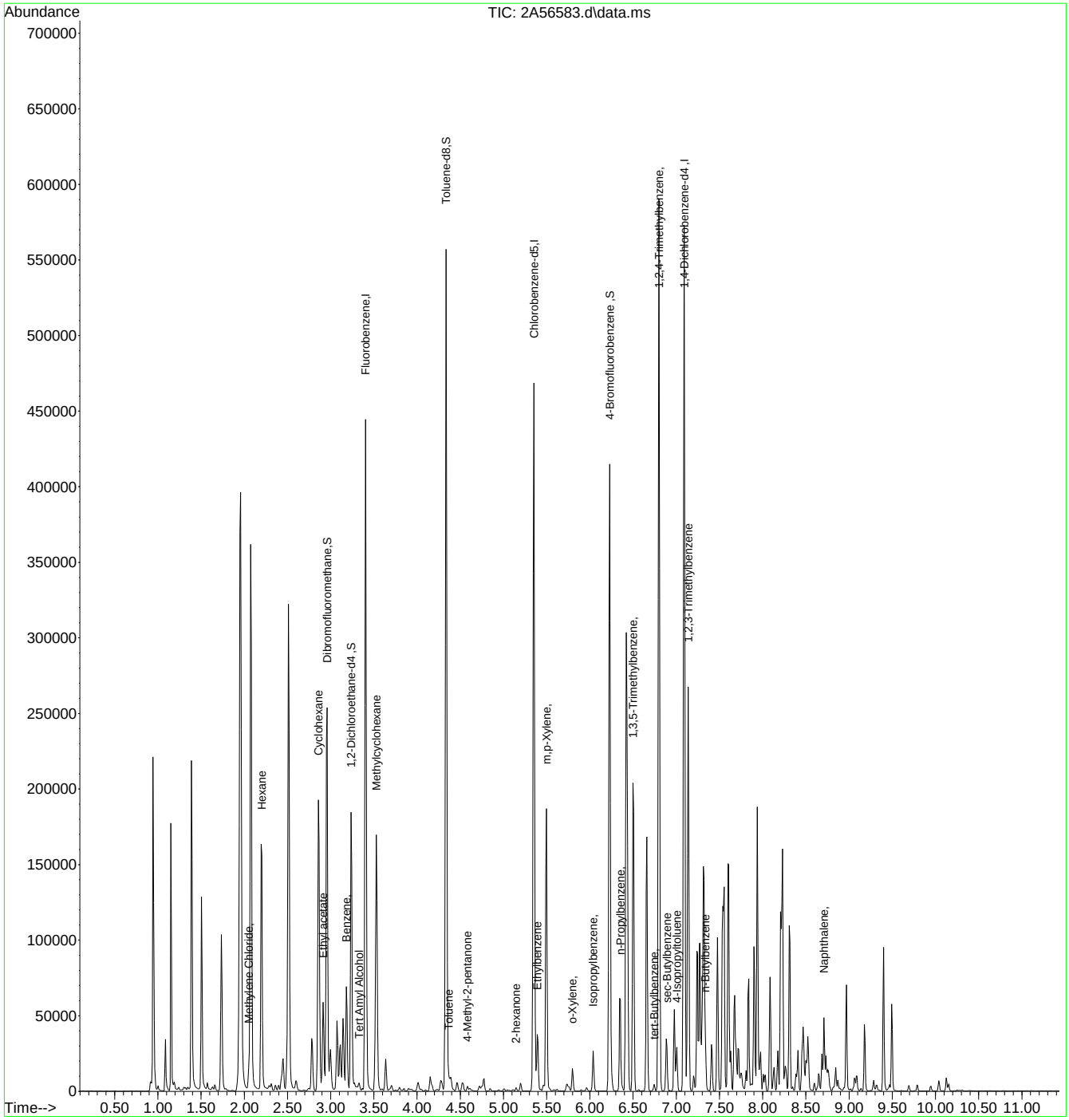
Compound			R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards								
1) Fluorobenzene			3.405	96	231546	50.00	ug/L	0.00
62) Chlorobenzene-d5			5.352	117	177494	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4			7.091	152	108841	50.00	ug/L	0.00
System Monitoring Compounds								
39) Dibromofluoromethane			2.958	113	66339	49.62	ug/L	0.00
Spiked Amount	50.000	Range 83 - 118			Recovery =	99.24%		
49) 1,2-Dichloroethane-d4			3.235	65	80436	50.20	ug/L	0.00
Spiked Amount	50.000	Range 79 - 125			Recovery =	100.40%		
63) Toluene-d8			4.336	98	233316	48.49	ug/L	0.00
Spiked Amount	50.000	Range 85 - 112			Recovery =	96.98%		
86) 4-Bromofluorobenzene			6.229	174	83097	48.24	ug/L	0.00
Spiked Amount	50.000	Range 83 - 118			Recovery =	96.48%		
Target Compounds								Qvalue
18) Methylene Chloride			2.050	49	1952	1.1858	ug/L #	75
22) Hexane			2.204	56	24593	23.0865	ug/L #	78
35) Cyclohexane			2.858	56	47621	22.4712	ug/L #	70
37) Ethyl acetate			2.912	43	11701	7.6938	ug/L	72
47) Benzene			3.182	78	31804	6.7928	ug/L	96
52) Tert Amyl Alcohol			3.328	59	1598	10.7877	ug/L	85
54) Methylcyclohexane			3.528	83	41047	19.8571	ug/L #	79
64) Toluene			4.367	91	1802	0.3384	ug/L	99
66) 4-Methyl-2-pentanone			4.582	43	2283	1.4366	ug/L	82
75) 2-hexanone			5.144	43	790	0.5125	ug/L	67
77) Ethylbenzene			5.390	91	17786	2.8827	ug/L	93
80) m,p-Xylene			5.498	91	76720	15.2068	ug/L	91
81) o-Xylene			5.798	91	6247	1.1824	ug/L	89
84) Isopropylbenzene			6.037	105	12276	1.9728	ug/L	98
88) n-Propylbenzene			6.352	91	37869	4.7180	ug/L	91
91) 1,3,5-Trimethylbenzene			6.499	105	84310	15.4666	ug/L	95
97) tert-Butylbenzene			6.745	91	1261	0.3846	ug/L	81
98) 1,2,4-Trimethylbenzene			6.799	105	226137	44.3466	ug/L	96
100) sec-Butylbenzene			6.891	105	14021	2.0309	ug/L	85
101) 4-Isopropyltoluene			7.007	119	11388m	1.9425	ug/L	
103) 1,2,3-Trimethylbenzene			7.137	105	107229	21.2171	ug/L	96
105) n-Butylbenzene			7.338	92	7151	2.6669	ug/L	95
111) Naphthalene			8.708	128	19500	4.4176	ug/L	97

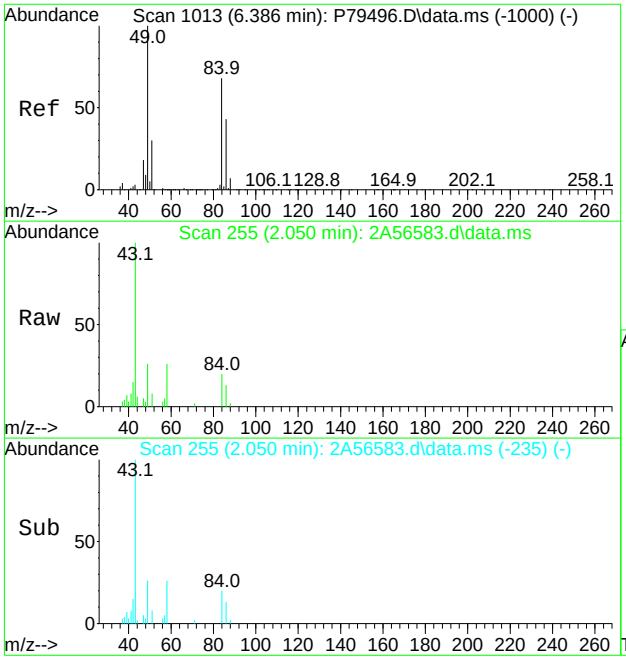
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\7-8\V2A1921\V2A1921\
Data File : 2A56583.d
Acq On : 5 Jul 2024 12:24 pm
Operator : lianatr
Sample : FC16676-5 Inst : MSVOA17
Misc : MS56977,V2A1921,,,,,2
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jul 08 04:49:54 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\7-8\V2A1921\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration

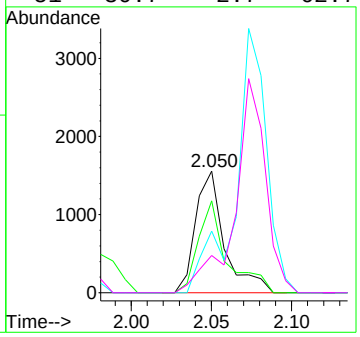


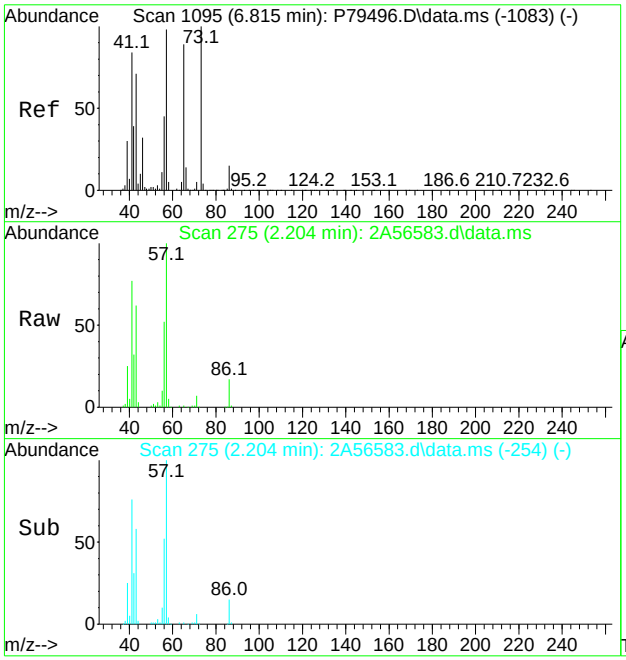


#18
Methylene Chloride
Concen: 1.1858 ug/L
RT: 2.050 min Scan# 255
Delta R.T. 0.000 min
Lab File: 2A56583.d
Acq: 5 Jul 2024 12:24 pm

Tgt Ion: 49 Resp: 1952

Ion	Ratio	Lower	Upper
49	100		
84	75.5	78.4	138.4#
86	50.6	42.5	102.5
51	30.7	2.7	62.7

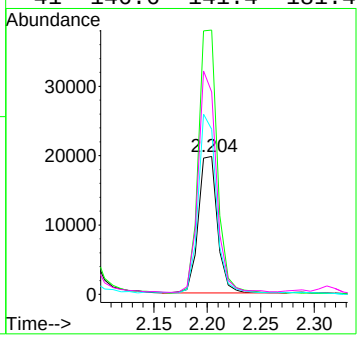


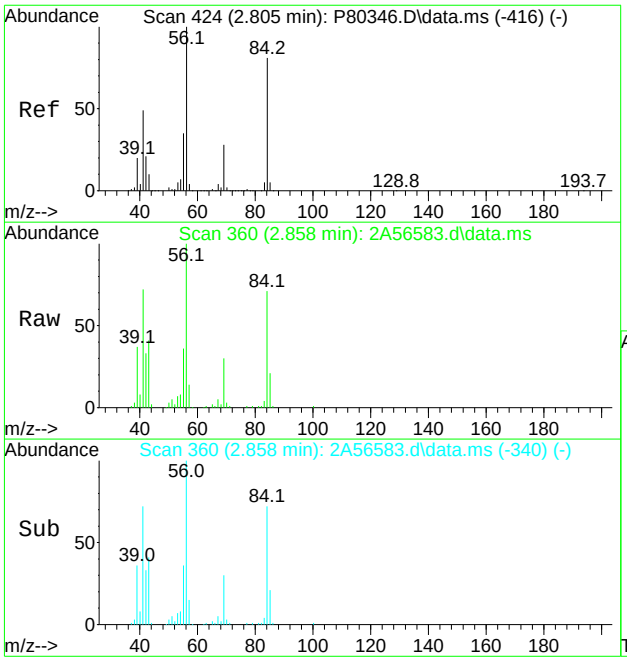


#22
Hexane
Concen: 23.0865 ug/L
RT: 2.204 min Scan# 275
Delta R.T. 0.008 min
Lab File: 2A56583.d
Acq: 5 Jul 2024 12:24 pm

Tgt Ion: 56 Resp: 24593

Ion	Ratio	Lower	Upper
56	100		
57	192.5	226.9	266.9#
43	119.4	123.5	163.5#
41	146.6	141.4	181.4

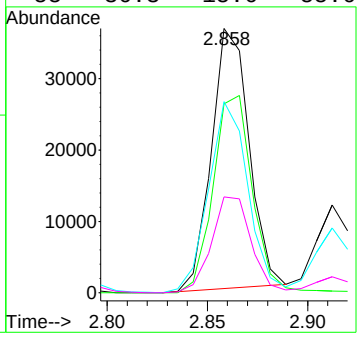


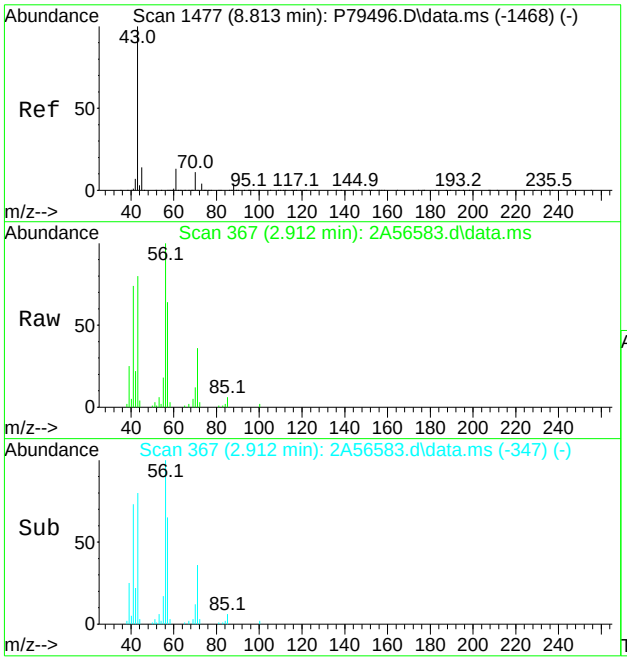


#35
Cyclohexane
Concen: 22.4712 ug/L
RT: 2.858 min Scan# 360
Delta R.T. 0.000 min
Lab File: 2A56583.d
Acq: 5 Jul 2024 12:24 pm

Tgt Ion: 56 Resp: 47621

Ion	Ratio	Lower	Upper
56	100		
84	71.5	84.9	124.9#
41	72.3	22.8	62.8#
55	36.3	15.6	55.6

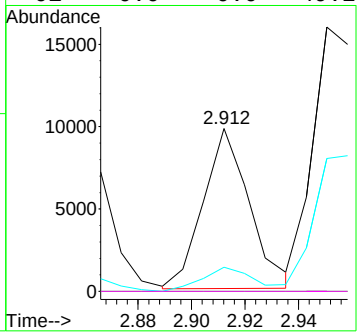


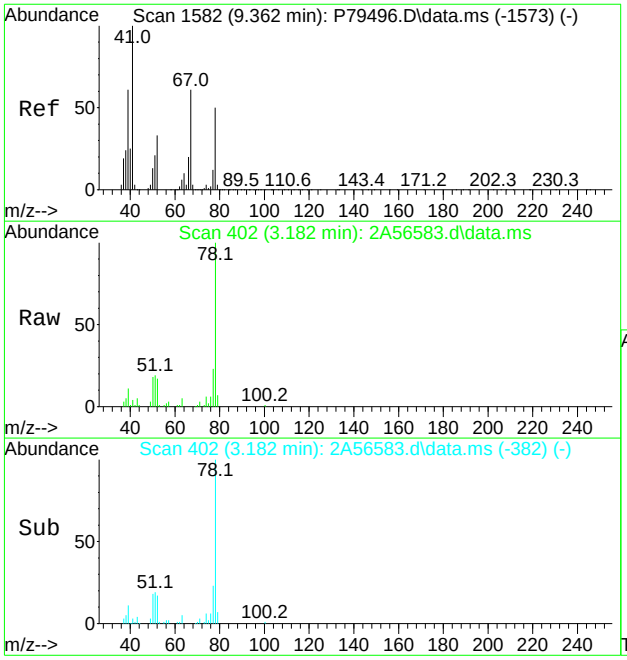


#37
Ethyl acetate
Concen: 7.6938 ug/L
RT: 2.912 min Scan# 367
Delta R.T. 0.000 min
Lab File: 2A56583.d
Acq: 5 Jul 2024 12:24 pm

Tgt Ion: 43 Resp: 11701

Ion	Ratio	Lower	Upper
43	100		
45	0.0	0.0	45.2
70	15.4	0.0	47.0
61	0.0	0.0	49.2

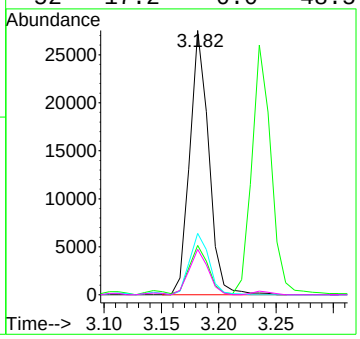


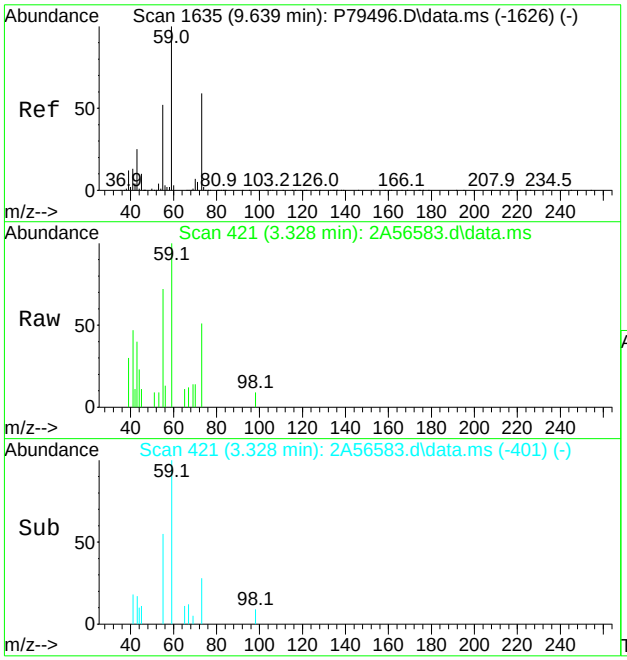


#47
Benzene
Concen: 6.7928 ug/L
RT: 3.182 min Scan# 402
Delta R.T. 0.001 min
Lab File: 2A56583.d
Acq: 5 Jul 2024 12:24 pm

Tgt Ion: 78 Resp: 31804

Ion	Ratio	Lower	Upper
78	100		
51	17.5	0.0	43.6
77	23.3	0.0	52.8
52	17.2	0.0	48.5

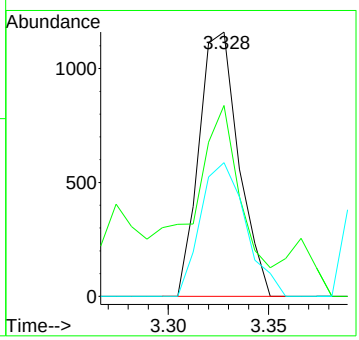


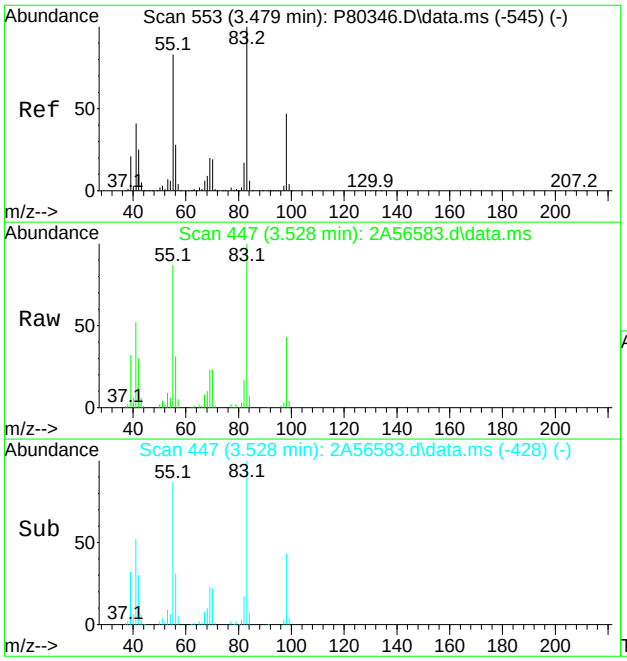


#52
Tert Amyl Alcohol
Concen: 10.7877 ug/L
RT: 3.328 min Scan# 421
Delta R.T. 0.008 min
Lab File: 2A56583.d
Acq: 5 Jul 2024 12:24 pm

Tgt Ion: 59 Resp: 1598

Ion	Ratio	Lower	Upper
59	100		
55	57.9	21.7	81.7
73	50.6	35.8	95.8

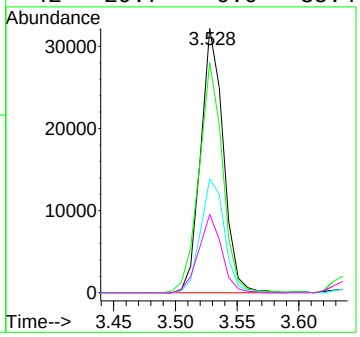


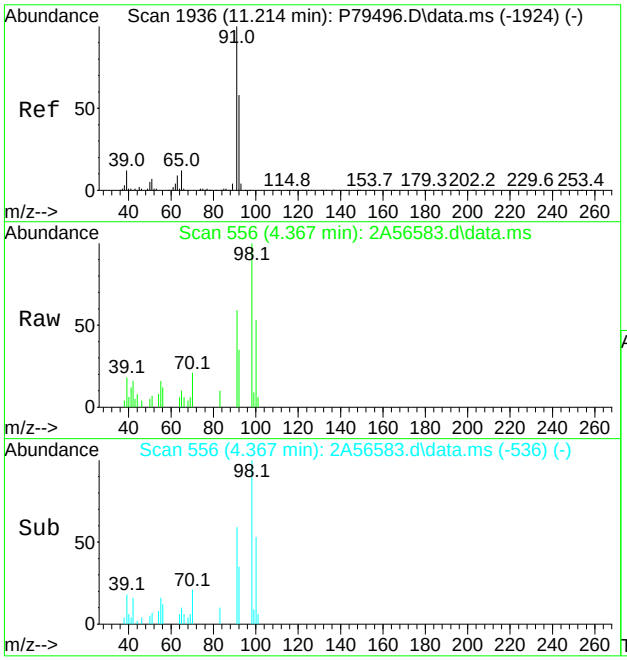


#54
Methylcyclohexane
Concen: 19.8571 ug/L
RT: 3.528 min Scan# 447
Delta R.T. -0.000 min
Lab File: 2A56583.d
Acq: 5 Jul 2024 12:24 pm

Tgt Ion: 83 Resp: 41047

Ion	Ratio	Lower	Upper
83	100		
55	87.1	45.2	85.2#
98	43.1	28.6	68.6
42	29.7	0.0	35.4

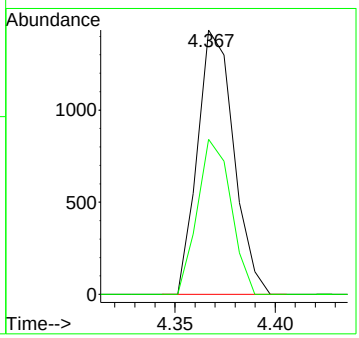


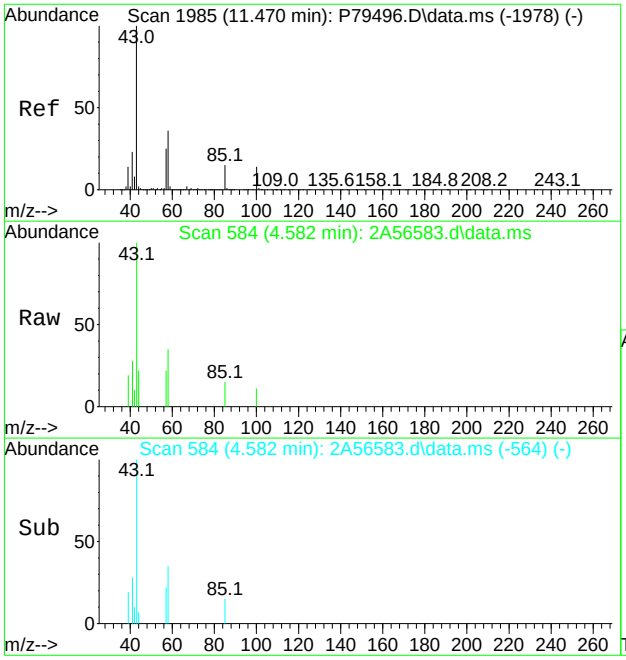


#64
Toluene
Concen: 0.3384 ug/L
RT: 4.367 min Scan# 556
Delta R.T. 0.001 min
Lab File: 2A56583.d
Acq: 5 Jul 2024 12:24 pm

Tgt Ion: 91 Resp: 1802

Ion	Ratio	Lower	Upper
91	100		
92	58.6	28.2	88.2

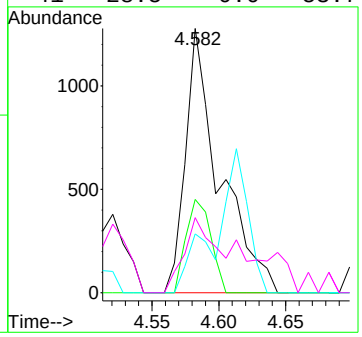


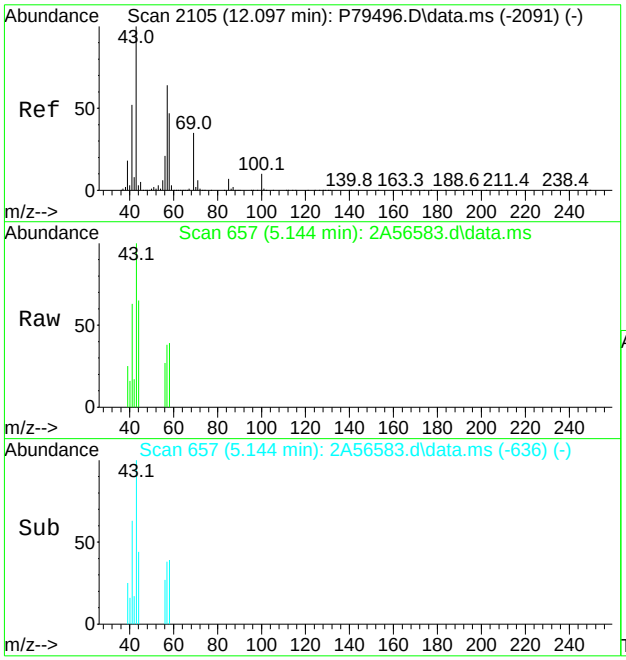


#66
4-Methyl-2-pentanone
Concen: 1.4366 ug/L
RT: 4.582 min Scan# 584
Delta R.T. 0.000 min
Lab File: 2A56583.d
Acq: 5 Jul 2024 12:24 pm

Tgt Ion: 43 Resp: 2283

Ion	Ratio	Lower	Upper
43	100		
58	35.3	21.2	81.2
57	22.3	2.1	62.1
41	28.5	0.0	53.7

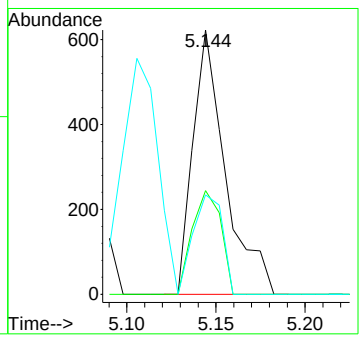


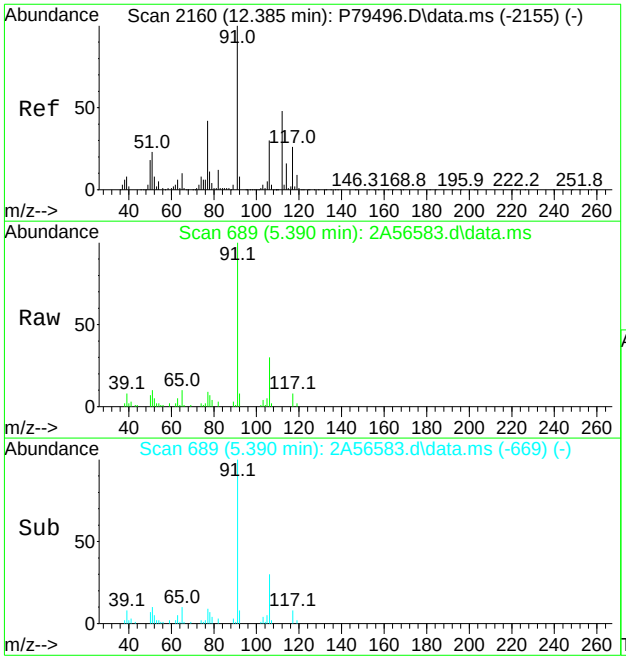


#75
2-hexanone
Concen: 0.5125 ug/L
RT: 5.144 min Scan# 657
Delta R.T. 0.008 min
Lab File: 2A56583.d
Acq: 5 Jul 2024 12:24 pm

Tgt Ion: 43 Resp: 790

Ion	Ratio	Lower	Upper
43	100		
58	39.2	35.6	95.6
57	37.6	33.1	93.1

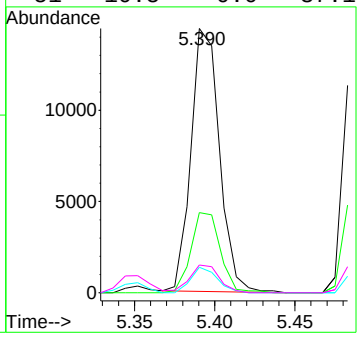


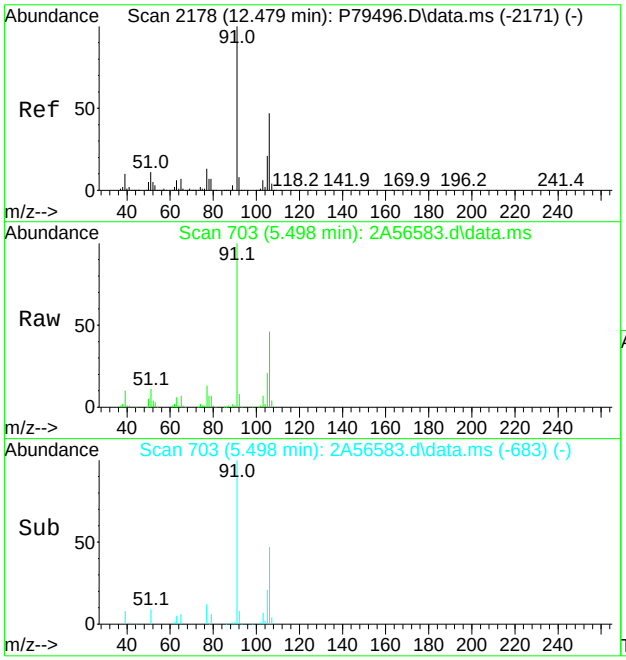


#77
Ethylbenzene
Concen: 2.8827 ug/L
RT: 5.390 min Scan# 689
Delta R.T. 0.000 min
Lab File: 2A56583.d
Acq: 5 Jul 2024 12:24 pm

Tgt Ion: 91 Resp: 17786

Ion	Ratio	Lower	Upper
91	100		
106	30.3	4.3	64.3
65	9.7	0.0	37.1
51	10.5	0.0	37.1

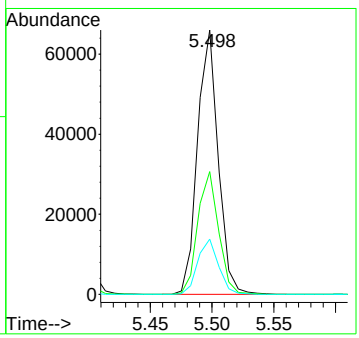


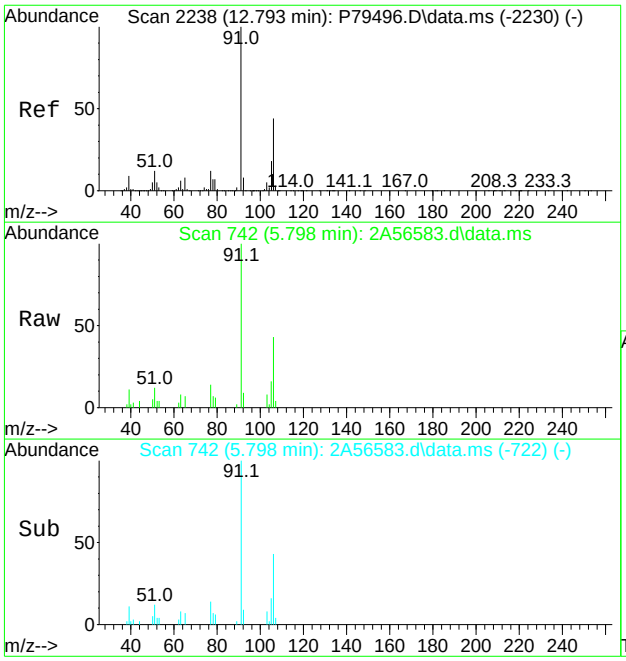


#80
m,p-Xylene
Concen: 15.2068 ug/L
RT: 5.498 min Scan# 703
Delta R.T. 0.000 min
Lab File: 2A56583.d
Acq: 5 Jul 2024 12:24 pm

Tgt Ion: 91 Resp: 76720

Ion	Ratio	Lower	Upper
91	100		
106	46.5	23.2	83.2
105	20.9	0.0	54.5

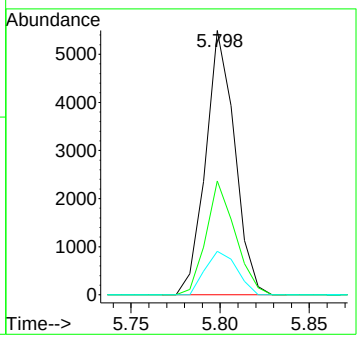


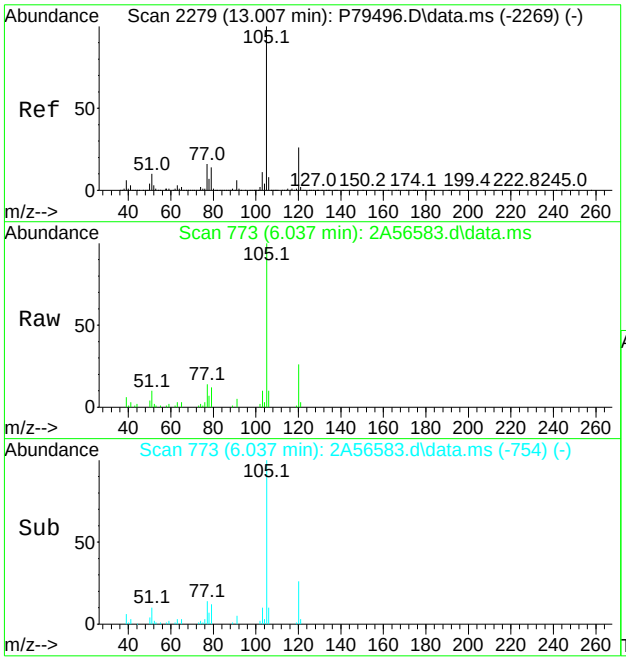


#81
o-Xylene
Concen: 1.1824 ug/L
RT: 5.798 min Scan# 742
Delta R.T. 0.000 min
Lab File: 2A56583.d
Acq: 5 Jul 2024 12:24 pm

Tgt Ion: 91 Resp: 6247

Ion	Ratio	Lower	Upper
91	100		
106	43.0	21.1	81.1
105	16.5	0.0	51.5

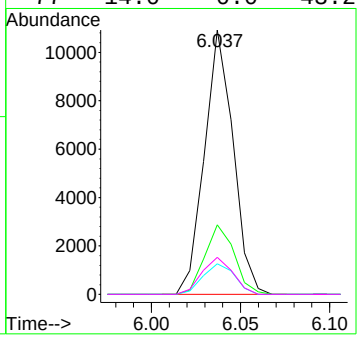


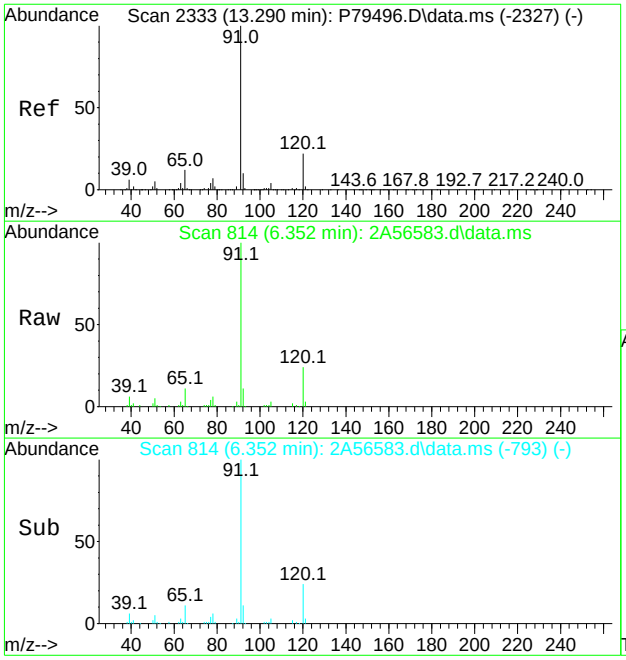


#84
Isopropylbenzene
Concen: 1.9728 ug/L
RT: 6.037 min Scan# 773
Delta R.T. -0.000 min
Lab File: 2A56583.d
Acq: 5 Jul 2024 12:24 pm

Tgt Ion:105 Resp: 12276

Ion	Ratio	Lower	Upper
105	100		
120	26.3	0.0	57.9
79	11.6	0.0	41.6
77	14.0	0.0	43.2

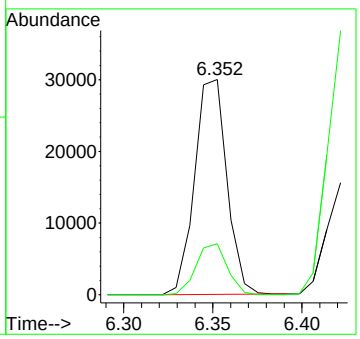


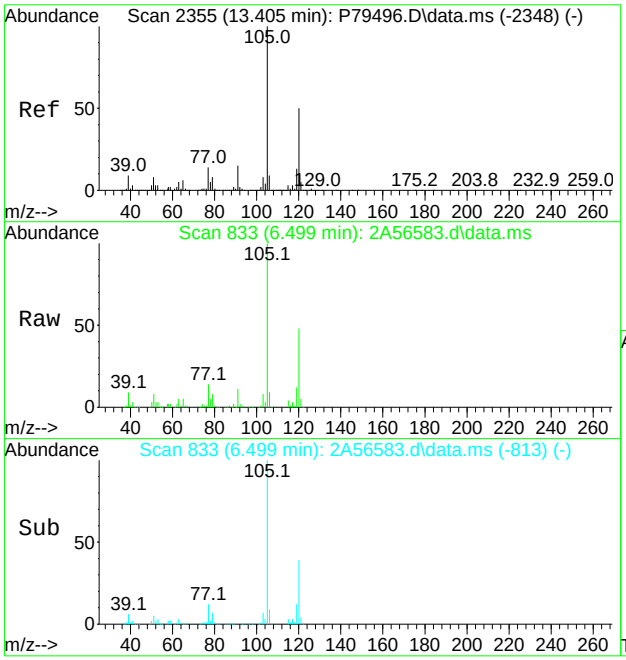


#88
n-Propylbenzene
Concen: 4.7180 ug/L
RT: 6.352 min Scan# 814
Delta R.T. 0.008 min
Lab File: 2A56583.d
Acq: 5 Jul 2024 12:24 pm

Tgt Ion: 91 Resp: 37869

Ion	Ratio	Lower	Upper
91	100		
120	23.7	0.0	58.2

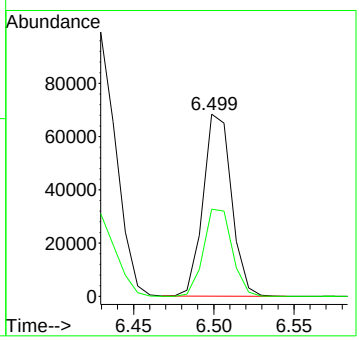


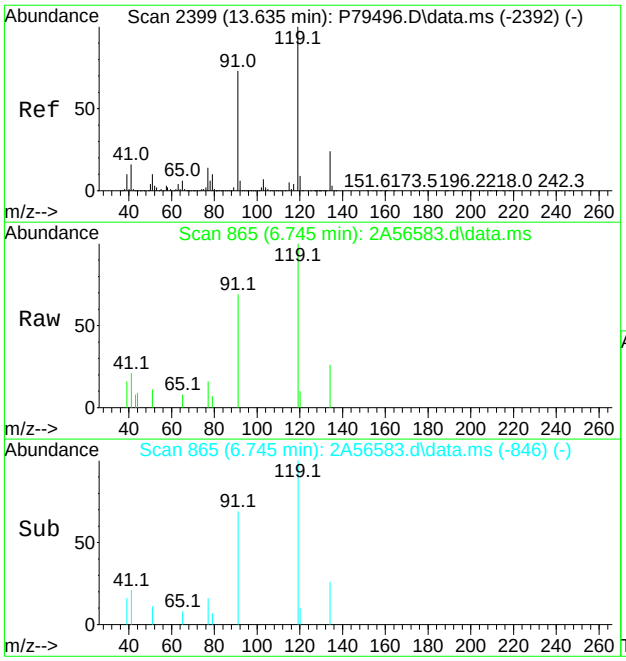


#91
1,3,5-Trimethylbenzene
Concen: 15.4666 ug/L
RT: 6.499 min Scan# 833
Delta R.T. 0.001 min
Lab File: 2A56583.d
Acq: 5 Jul 2024 12:24 pm

Tgt Ion:105 Resp: 84310

Ion	Ratio	Lower	Upper
105	100		
120	47.8	21.4	81.4

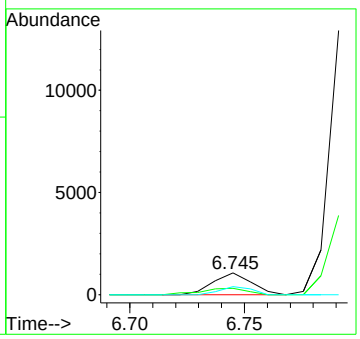


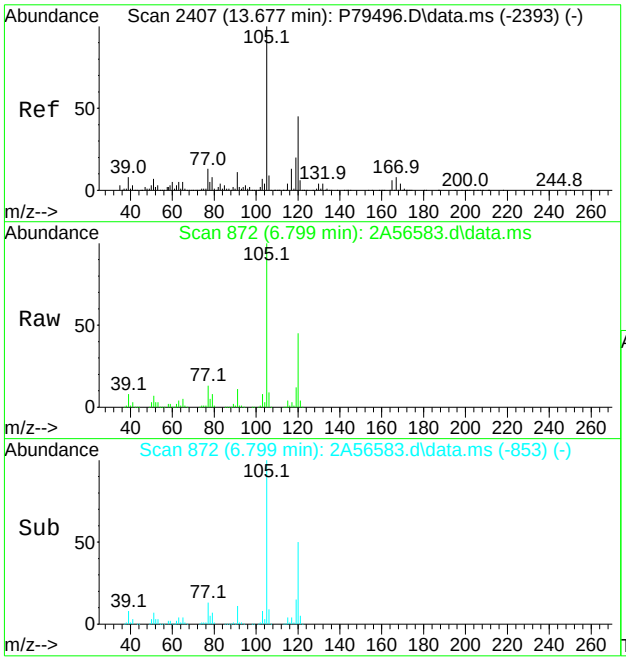


#97
tert-Butylbenzene
Concen: 0.3846 ug/L
RT: 6.745 min Scan# 865
Delta R.T. -0.000 min
Lab File: 2A56583.d
Acq: 5 Jul 2024 12:24 pm

Tgt Ion: 91 Resp: 1261

Ion	Ratio	Lower	Upper
91	100		
41	29.9	0.0	42.4
134	37.9	15.6	75.6

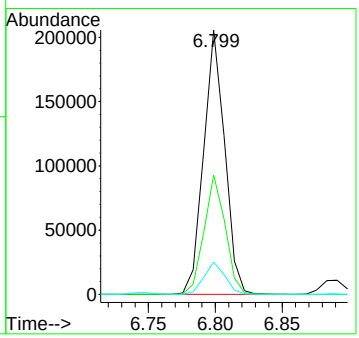


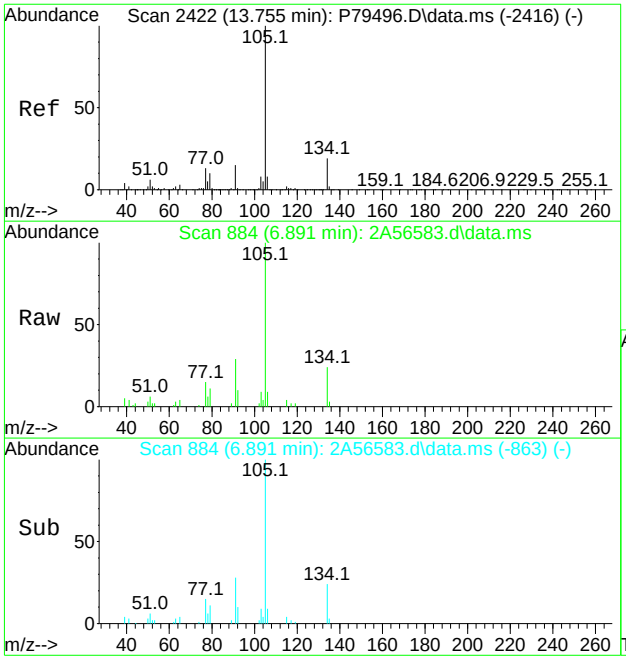


#98
1,2,4-Trimethylbenzene
Concen: 44.3466 ug/L
RT: 6.799 min Scan# 872
Delta R.T. -0.000 min
Lab File: 2A56583.d
Acq: 5 Jul 2024 12:24 pm

Tgt Ion:105 Resp: 226137

Ion	Ratio	Lower	Upper
105	100		
120	45.2	18.1	78.1
119	12.2	0.0	42.3

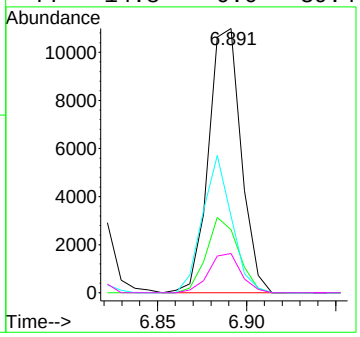


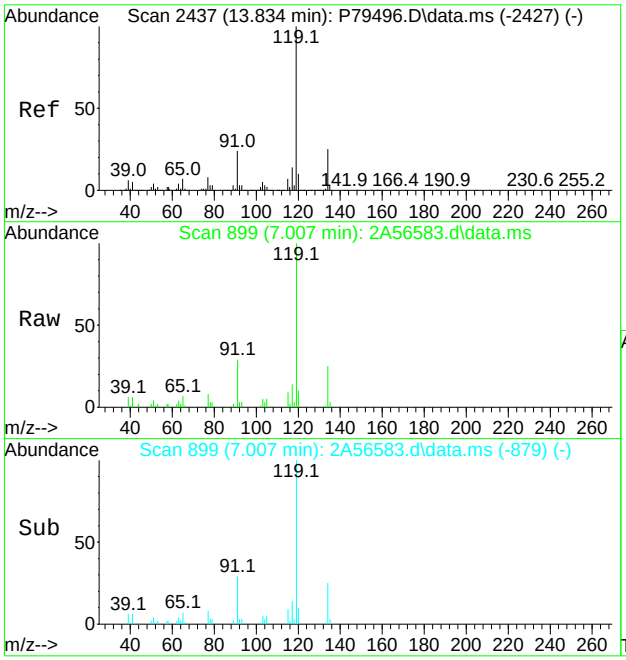


#100
sec-Butylbenzene
Concen: 2.0309 ug/L
RT: 6.891 min Scan# 884
Delta R.T. 0.008 min
Lab File: 2A56583.d
Acq: 5 Jul 2024 12:24 pm

Tgt Ion:105 Resp: 14021

Ion	Ratio	Lower	Upper
105	100		
134	23.9	0.0	53.2
91	29.1	0.0	44.4
77	14.8	0.0	39.4

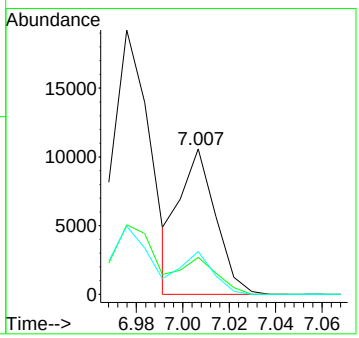


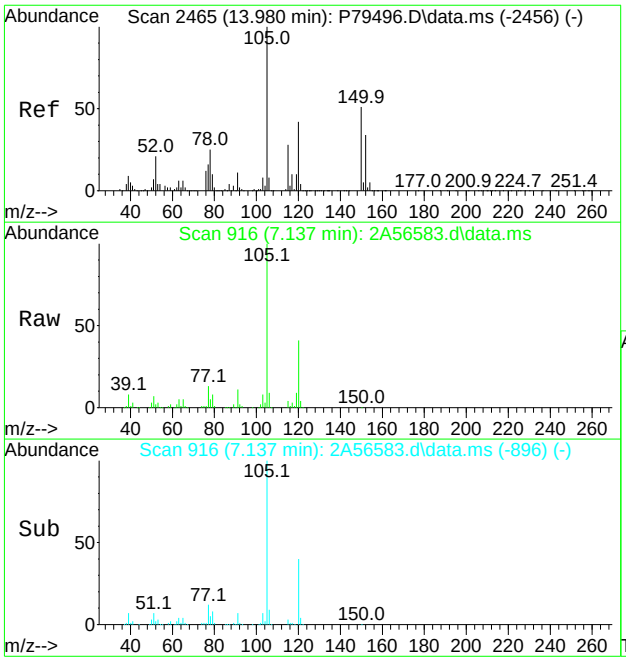


#101
4-Isopropyltoluene
Concen: 1.9425 ug/L m
RT: 7.007 min Scan# 899
Delta R.T. 0.001 min
Lab File: 2A56583.d
Acq: 5 Jul 2024 12:24 pm

Tgt Ion:119 Resp: 11388

Ion	Ratio	Lower	Upper
119	100		
134	25.4	0.0	58.5
91	29.4	0.0	51.2

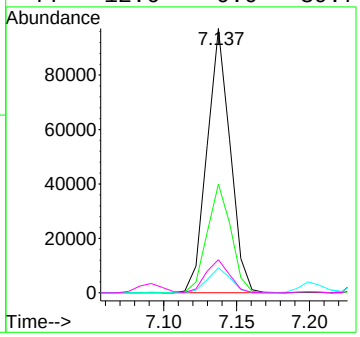


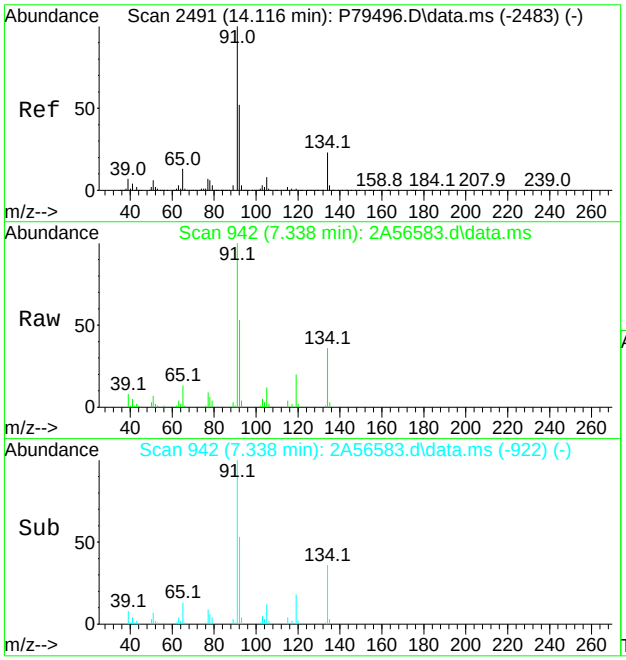


#103
1,2,3-Trimethylbenzene
Concen: 21.2171 ug/L
RT: 7.137 min Scan# 916
Delta R.T. 0.000 min
Lab File: 2A56583.d
Acq: 5 Jul 2024 12:24 pm

Tgt Ion:105 Resp: 107229

Ion	Ratio	Lower	Upper
105	100		
120	41.2	14.0	74.0
119	9.5	0.0	40.1
77	12.6	0.0	39.7

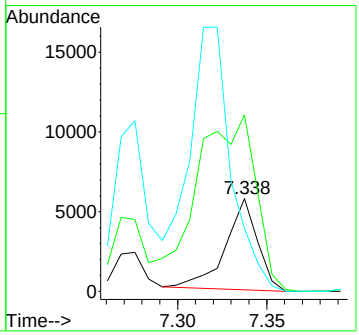


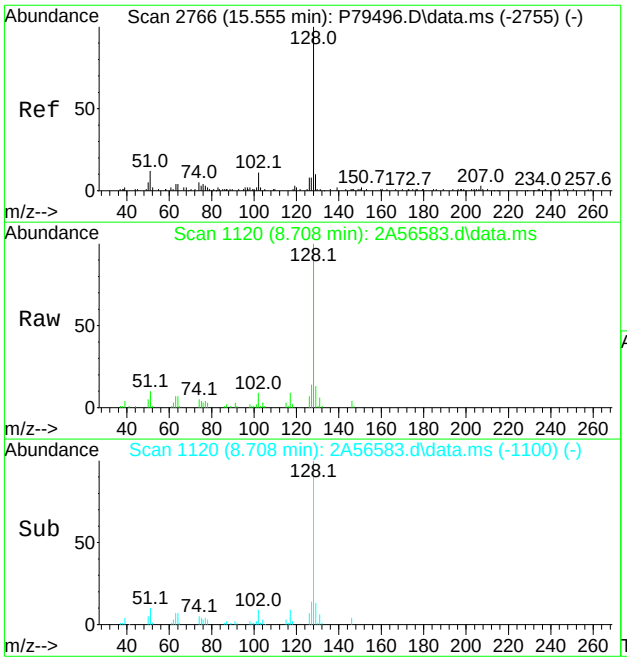


#105
n-Butylbenzene
Concen: 2.6669 ug/L
RT: 7.338 min Scan# 942
Delta R.T. 0.001 min
Lab File: 2A56583.d
Acq: 5 Jul 2024 12:24 pm

Tgt Ion: 92 Resp: 7151

Ion	Ratio	Lower	Upper
92	100		
91	188.2	154.4	214.4
134	68.2	30.2	90.2

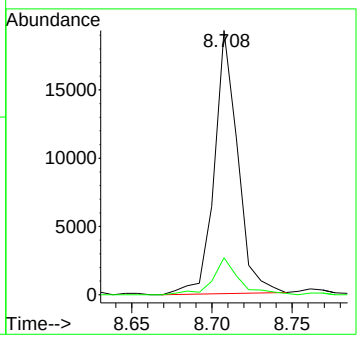




#111
Naphthalene
Concen: 4.4176 ug/L
RT: 8.708 min Scan# 1120
Delta R.T. 0.001 min
Lab File: 2A56583.d
Acq: 5 Jul 2024 12:24 pm

Tgt Ion:128 Resp: 19500

Ion	Ratio	Lower	Upper
128	100		
127	14.0	0.0	42.8



Manual Integration Approval Summary

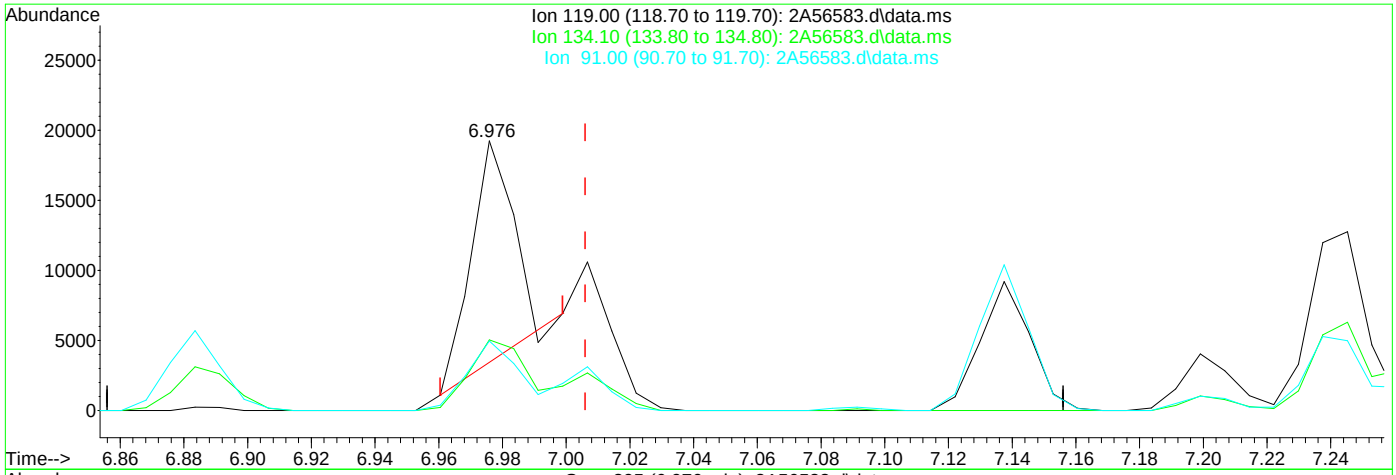
Sample Number: FC16676-5
Lab FileID: 2A56583.D
Injection Time: 07/05/24 12:24
Method: SW846 8260D
Analyst approved: 07/08/24 01:11 Lotus Acosta
Supervisor approved: 07/08/24 07:50 Neil Christiana

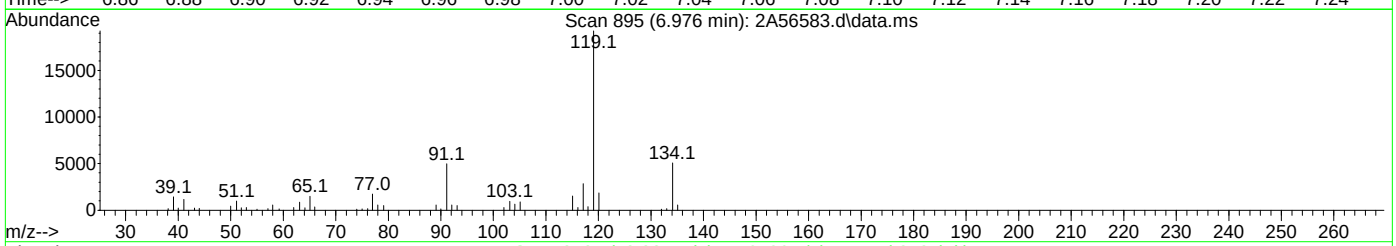
Parameter	CAS	Sig#	R.T. (min.)	Reason
p-Isopropyltoluene	99-87-6		7.01	Overlapping peak

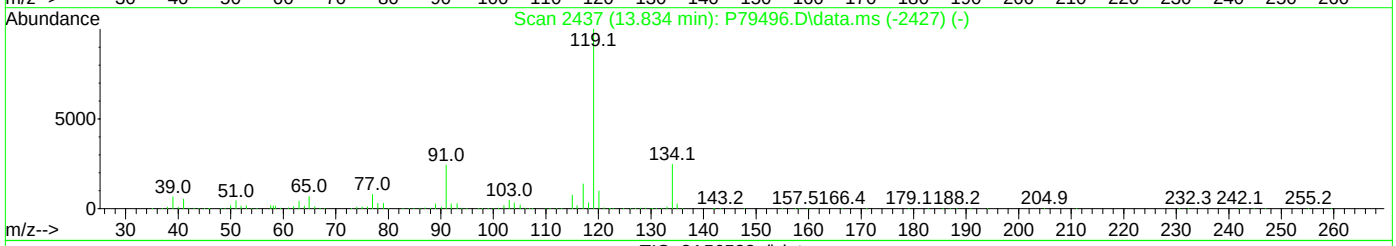
Quantitation Report (Qedit)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\7-8\V2A1921\V2A1921\
Data File : 2A56583.d
Acq On : 5 Jul 2024 12:24 pm
Operator : lianatr
Sample : FC16676-5 Inst : MSVOA17
Misc : MS56977,V2A1921,,,,,2
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jul 08 04:39:55 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\7-8\V2A1921\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration







TIC: 2A56583.d\data.ms

(101) 4-Isopropyltoluene

6.976min (-0.030) 2.69ug/L

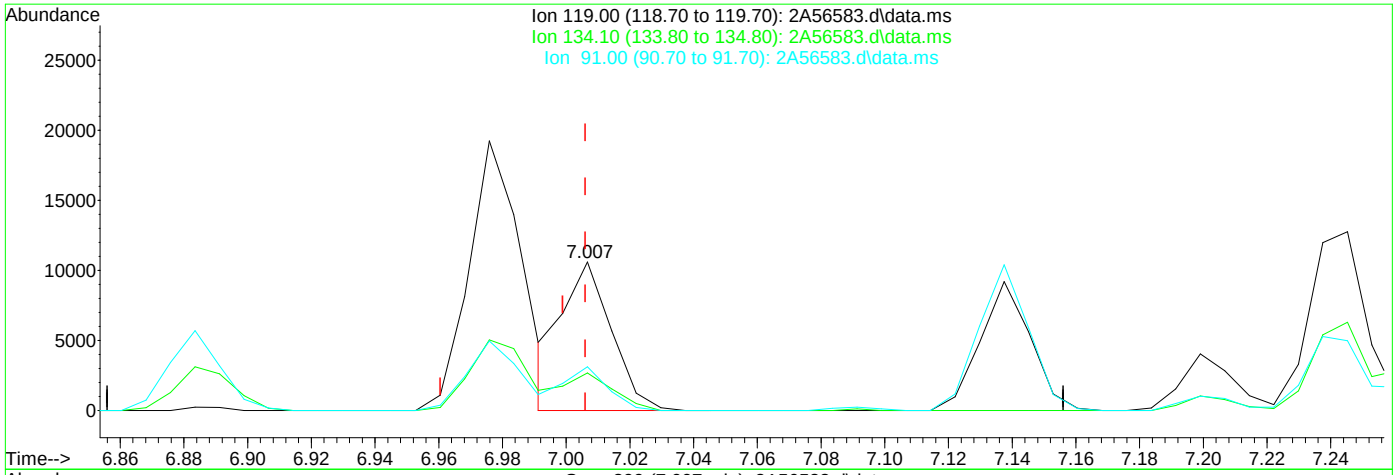
response 15783

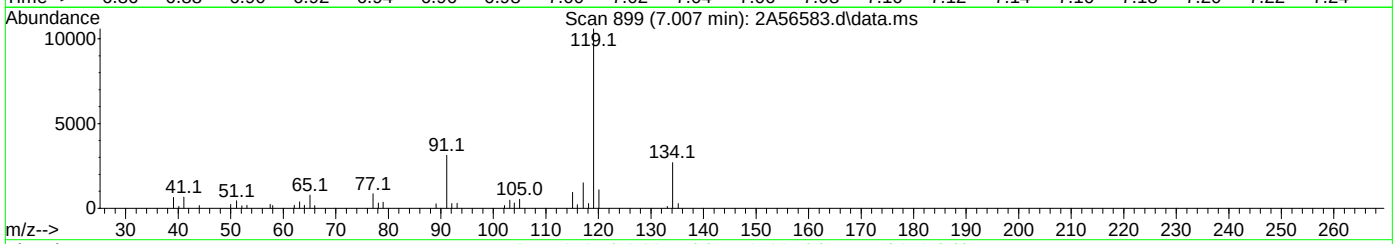
Ion	Exp%	Act%
119.00	100	100
134.10	28.50	26.64
91.00	21.20	25.30
0.00	0.00	0.00

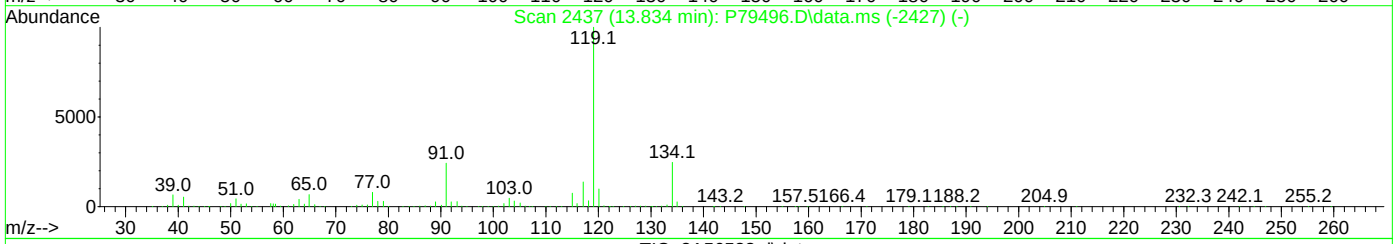
Quantitation Report (Qedit)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\7-8\V2A1921\V2A1921\
Data File : 2A56583.d
Acq On : 5 Jul 2024 12:24 pm
Operator : lianatr
Sample : FC16676-5 Inst : MSVOA17
Misc : MS56977,V2A1921,,,,,2
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jul 08 04:39:55 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\7-8\V2A1921\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration







TIC: 2A56583.d\data.ms

(101) 4-Isopropyltoluene

7.007min (+0.001) 1.94ug/L m

response 11388

Ion	Exp%	Act%
119.00	100	100
134.10	28.50	25.41
91.00	21.20	29.41
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Neil Christiana 07/08/24 07:24

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\V2A1914\
Data File : 2A56390.d
Acq On : 28 Jun 2024 10:36 am
Operator : lianatr
Sample : FC16676-5 Inst : MSVOA17
Misc : MS56930,V2A1914,,,,,10
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 01 05:21:39 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration

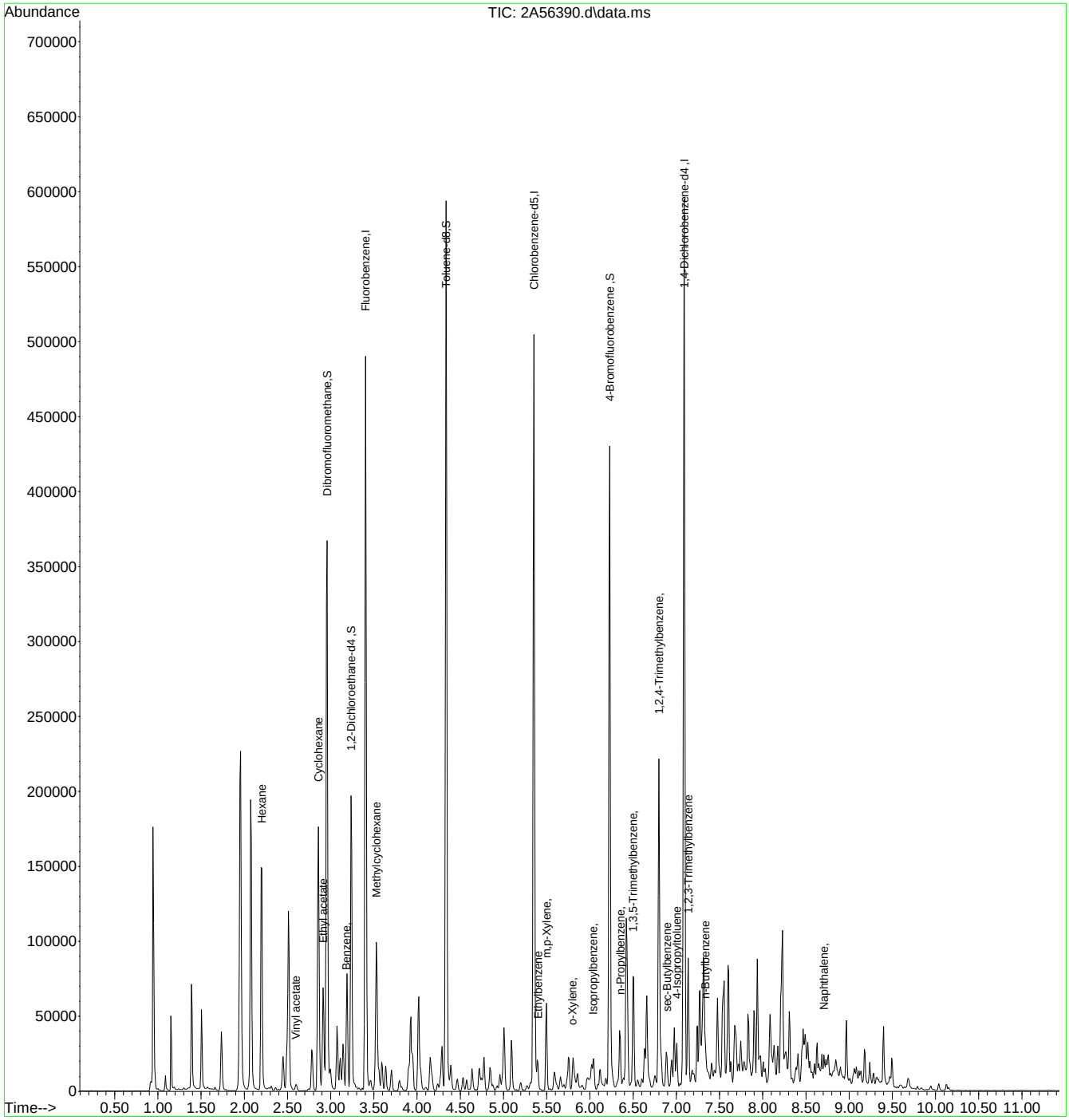
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.405	96	252461	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.352	117	187607	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.091	152	109926	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	2.958	113	72035	49.42	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.84%			
49) 1,2-Dichloroethane-d4	3.235	65	86544	49.53	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 99.06%			
63) Toluene-d8	4.336	98	253446	49.83	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 99.66%			
86) 4-Bromofluorobenzene	6.229	174	85728	49.28	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.56%			
Target Compounds						Qvalue
22) Hexane	2.204	56	22943	19.7533	ug/L #	83
31) Vinyl acetate	2.596	43	1332m	0.4402	ug/L	
35) Cyclohexane	2.858	56	26381	11.4173	ug/L #	45
37) Ethyl acetate	2.912	43	15380	9.2751	ug/L	72
47) Benzene	3.181	78	8658	1.6960	ug/L	94
54) Methylcyclohexane	3.528	83	24419	10.8344	ug/L #	78
77) Ethylbenzene	5.398	91	5529	0.8478	ug/L	89
80) m,p-Xylene	5.498	91	22733	4.2630	ug/L	94
81) o-Xylene	5.798	91	1974	0.3535	ug/L	86
84) Isopropylbenzene	6.037	105	4433	0.6740	ug/L	95
88) n-Propylbenzene	6.352	91	15801	1.9492	ug/L	90
91) 1,3,5-Trimethylbenzene	6.499	105	30202	5.4859	ug/L	95
98) 1,2,4-Trimethylbenzene	6.799	105	78748	15.2905	ug/L	96
100) sec-Butylbenzene	6.891	105	7316	1.0492	ug/L	83
101) 4-Isopropyltoluene	7.007	119	6107m	1.0314	ug/L	
103) 1,2,3-Trimethylbenzene	7.137	105	34164	6.6932	ug/L	97
105) n-Butylbenzene	7.337	92	4900	1.8094	ug/L	91
111) Naphthalene	8.707	128	6247	1.4012	ug/L	96

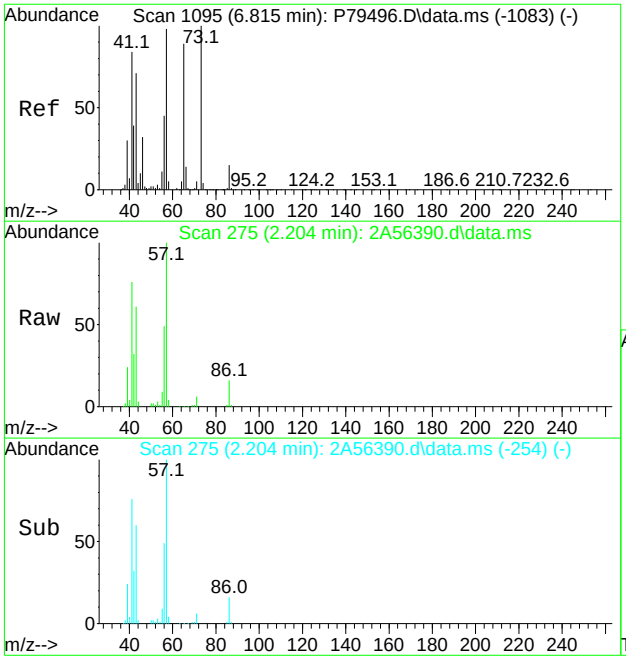
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\V2A1914\
Data File : 2A56390.d
Acq On : 28 Jun 2024 10:36 am
Operator : lianatr
Sample : FC16676-5 Inst : MSVOA17
Misc : MS56930,V2A1914,,,,,10
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 01 05:21:39 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration

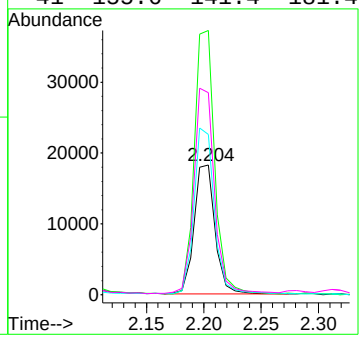


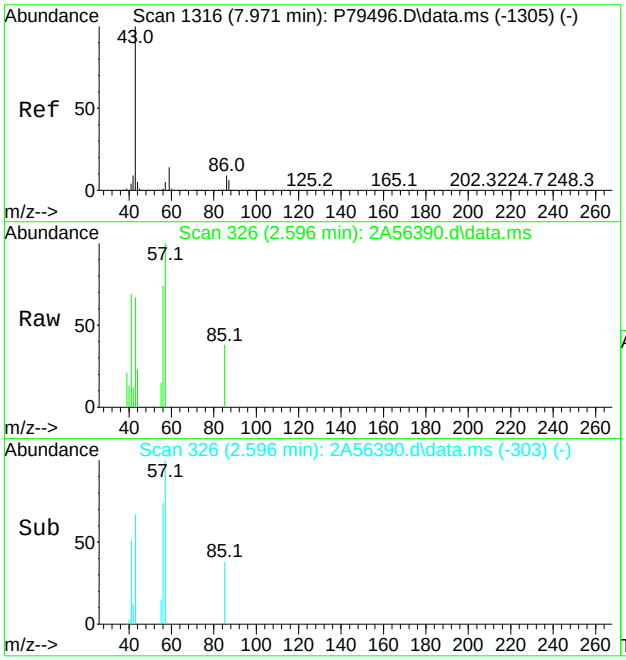


#22
Hexane
Concen: 19.7533 ug/L
RT: 2.204 min Scan# 275
Delta R.T. 0.008 min
Lab File: 2A56390.d
Acq: 28 Jun 2024 10:36 am

Tgt Ion: 56 Resp: 22943

Ion	Ratio	Lower	Upper
56	100		
57	204.1	226.9	266.9#
43	123.5	123.5	163.5#
41	155.6	141.4	181.4

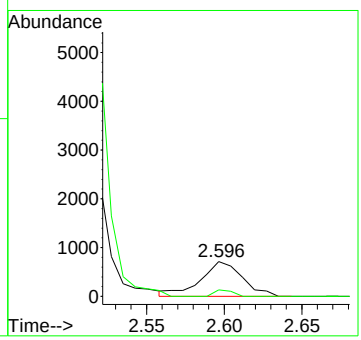


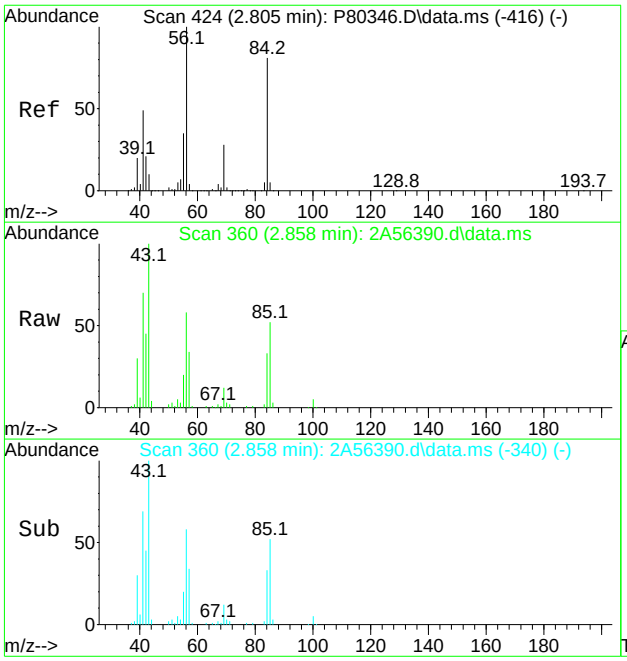


#31
Vinyl acetate
Concen: 0.4402 ug/L m
RT: 2.596 min Scan# 326
Delta R.T. 0.030 min
Lab File: 2A56390.d
Acq: 28 Jun 2024 10:36 am

Tgt Ion: 43 Resp: 1332

Ion	Ratio	Lower	Upper
43	100		
42	18.3	0.0	38.5

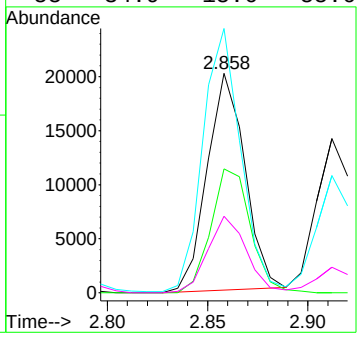


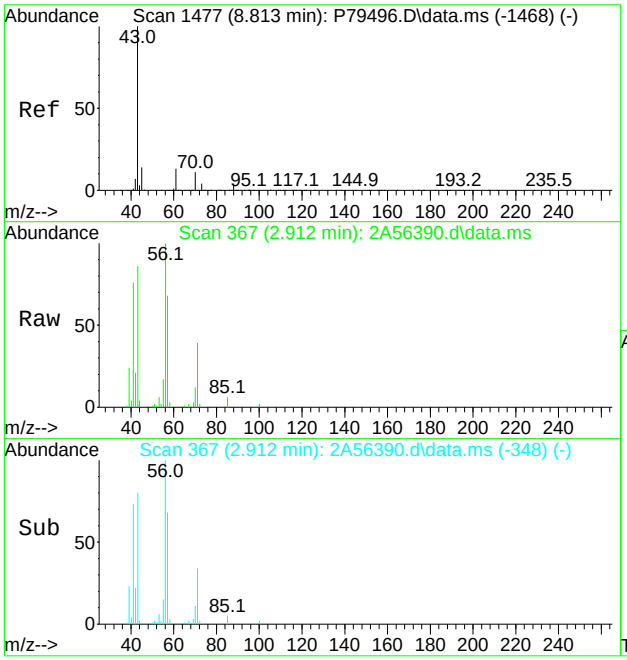


#35
Cyclohexane
Concen: 11.4173 ug/L
RT: 2.858 min Scan# 360
Delta R.T. 0.000 min
Lab File: 2A56390.d
Acq: 28 Jun 2024 10:36 am

Tgt Ion: 56 Resp: 26381

Ion	Ratio	Lower	Upper
56	100		
84	56.4	84.9	124.9#
41	119.9	22.8	62.8#
55	34.9	15.6	55.6

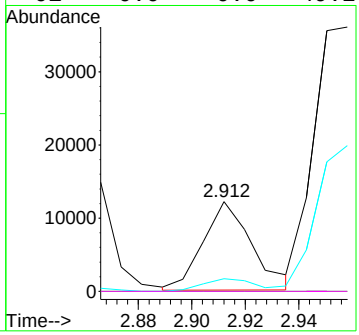


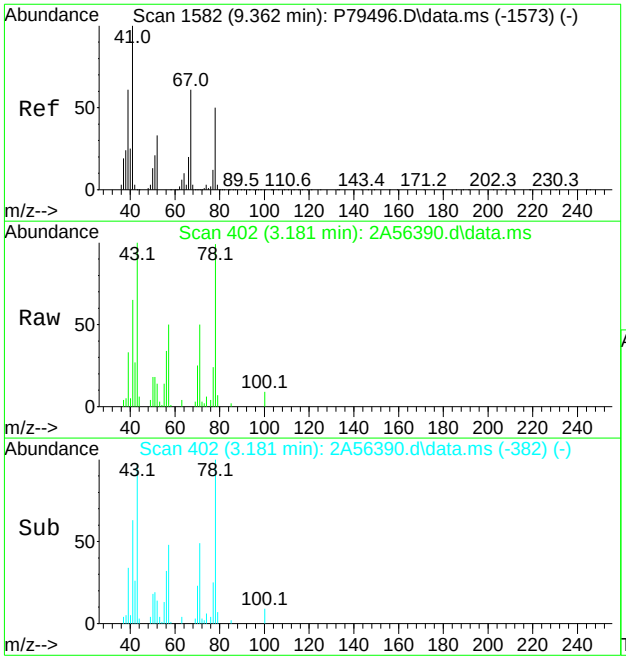


#37
Ethyl acetate
Concen: 9.2751 ug/L
RT: 2.912 min Scan# 367
Delta R.T. 0.000 min
Lab File: 2A56390.d
Acq: 28 Jun 2024 10:36 am

Tgt Ion: 43 Resp: 15380

Ion	Ratio	Lower	Upper
43	100		
45	0.0	0.0	45.2
70	14.7	0.0	47.0
61	0.0	0.0	49.2

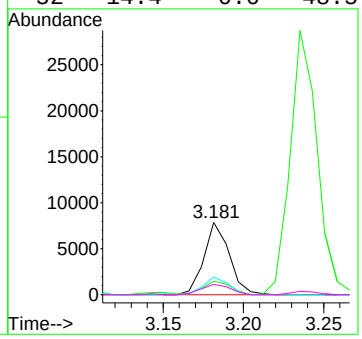


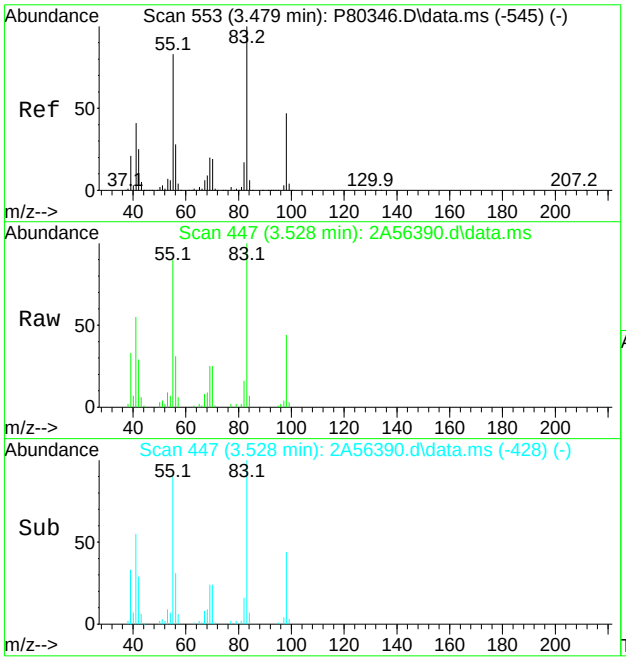


#47
Benzene
Concen: 1.6960 ug/L
RT: 3.181 min Scan# 402
Delta R.T. 0.000 min
Lab File: 2A56390.d
Acq: 28 Jun 2024 10:36 am

Tgt Ion: 78 Resp: 8658

Ion	Ratio	Lower	Upper
78	100		
51	15.4	0.0	43.6
77	24.5	0.0	52.8
52	14.4	0.0	48.5

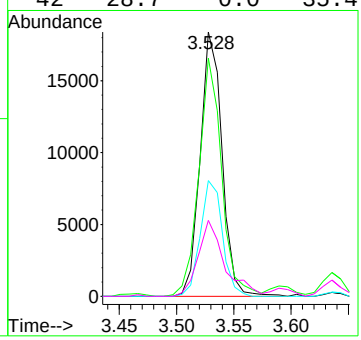


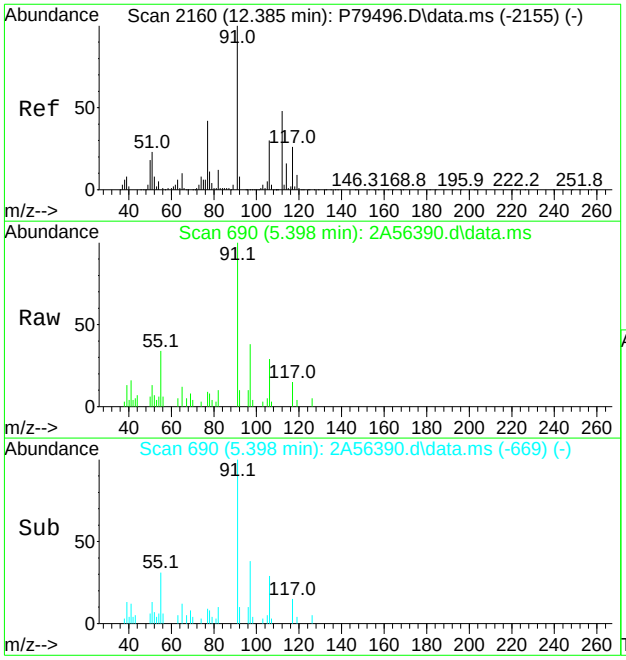


#54
Methylcyclohexane
Concen: 10.8344 ug/L
RT: 3.528 min Scan# 447
Delta R.T. -0.000 min
Lab File: 2A56390.d
Acq: 28 Jun 2024 10:36 am

Tgt Ion: 83 Resp: 24419

Ion	Ratio	Lower	Upper
83	100		
55	90.1	45.2	85.2#
98	43.8	28.6	68.6
42	28.7	0.0	35.4

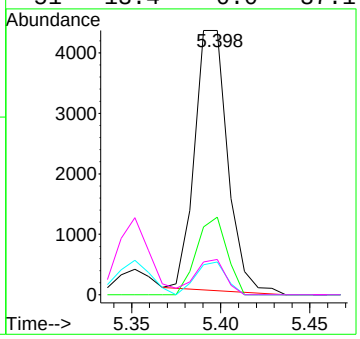


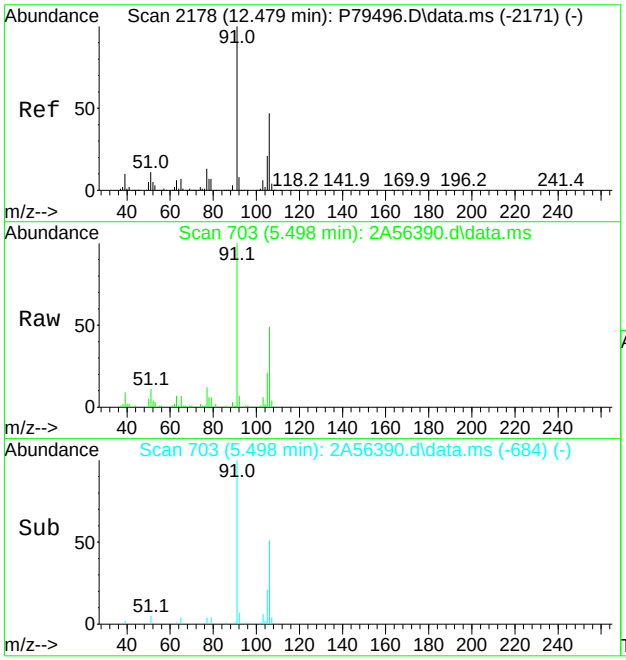


#77
Ethylbenzene
Concen: 0.8478 ug/L
RT: 5.398 min Scan# 690
Delta R.T. 0.008 min
Lab File: 2A56390.d
Acq: 28 Jun 2024 10:36 am

Tgt Ion: 91 Resp: 5529

Ion	Ratio	Lower	Upper
91	100		
106	29.4	4.3	64.3
65	12.4	0.0	37.1
51	13.4	0.0	37.1

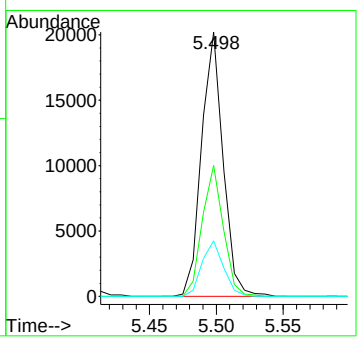


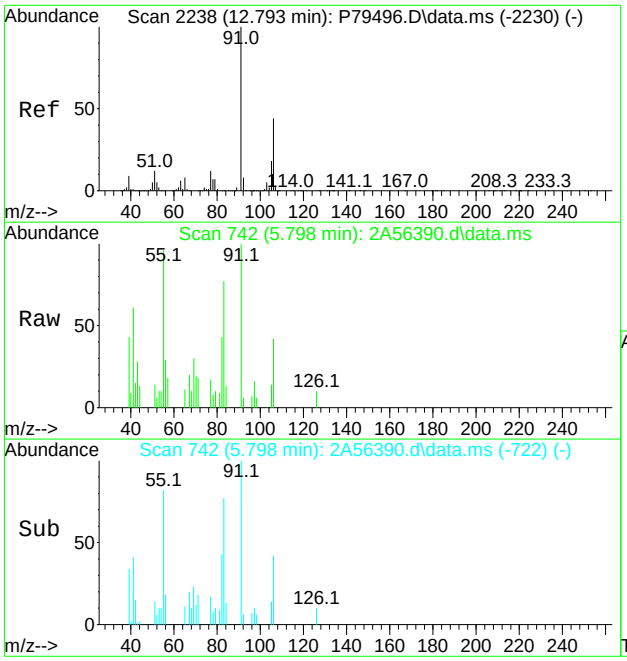


#80
m,p-Xylene
Concen: 4.2630 ug/L
RT: 5.498 min Scan# 703
Delta R.T. 0.000 min
Lab File: 2A56390.d
Acq: 28 Jun 2024 10:36 am

Tgt Ion: 91 Resp: 22733

Ion	Ratio	Lower	Upper
91	100		
106	49.5	23.2	83.2
105	21.0	0.0	54.5

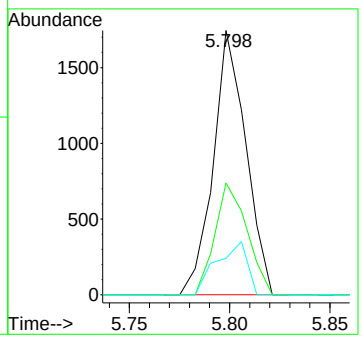


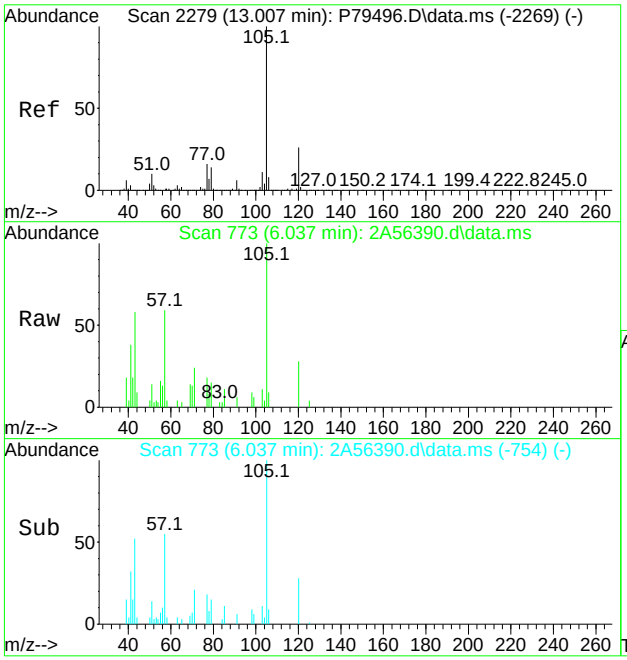


#81
o-Xylene
Concen: 0.3535 ug/L
RT: 5.798 min Scan# 742
Delta R.T. 0.000 min
Lab File: 2A56390.d
Acq: 28 Jun 2024 10:36 am

Tgt Ion: 91 Resp: 1974

Ion	Ratio	Lower	Upper
91	100		
106	42.3	21.1	81.1
105	13.9	0.0	51.5

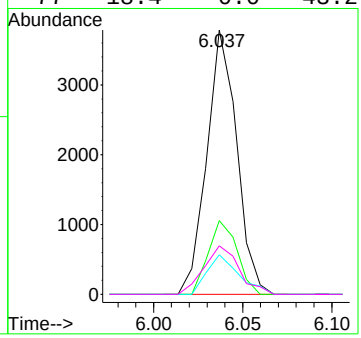


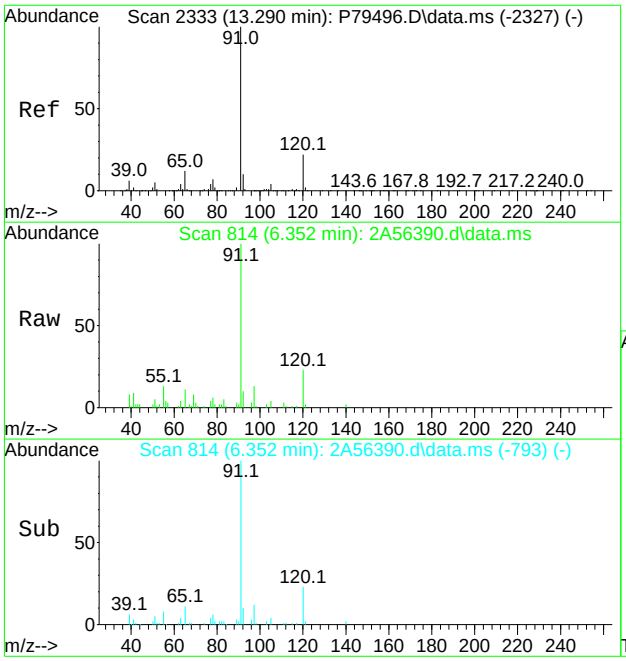


#84
Isopropylbenzene
Concen: 0.6740 ug/L
RT: 6.037 min Scan# 773
Delta R.T. -0.000 min
Lab File: 2A56390.d
Acq: 28 Jun 2024 10:36 am

Tgt Ion:105 Resp: 4433

Ion	Ratio	Lower	Upper
105	100		
120	27.9	0.0	57.9
79	15.0	0.0	41.6
77	18.4	0.0	43.2

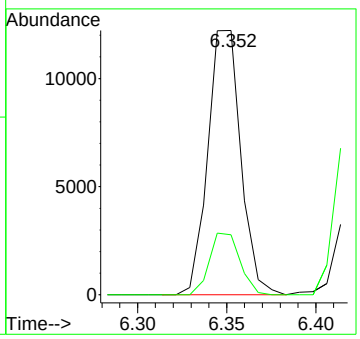


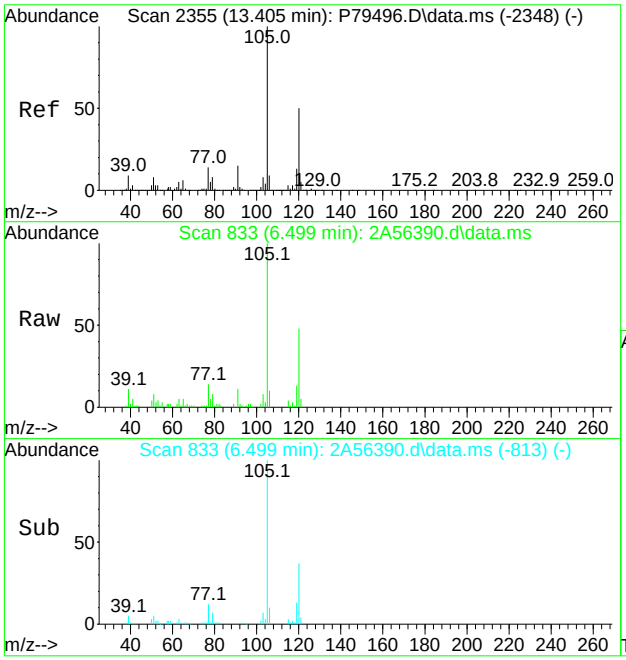


#88
n-Propylbenzene
Concen: 1.9492 ug/L
RT: 6.352 min Scan# 814
Delta R.T. 0.008 min
Lab File: 2A56390.d
Acq: 28 Jun 2024 10:36 am

Tgt Ion: 91 Resp: 15801

Ion	Ratio	Lower	Upper
91	100		
120	22.7	0.0	58.2

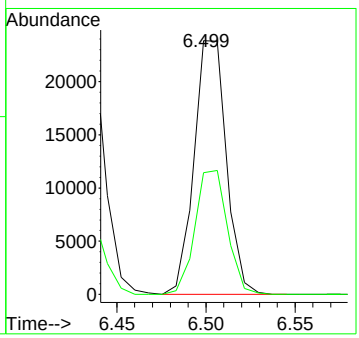


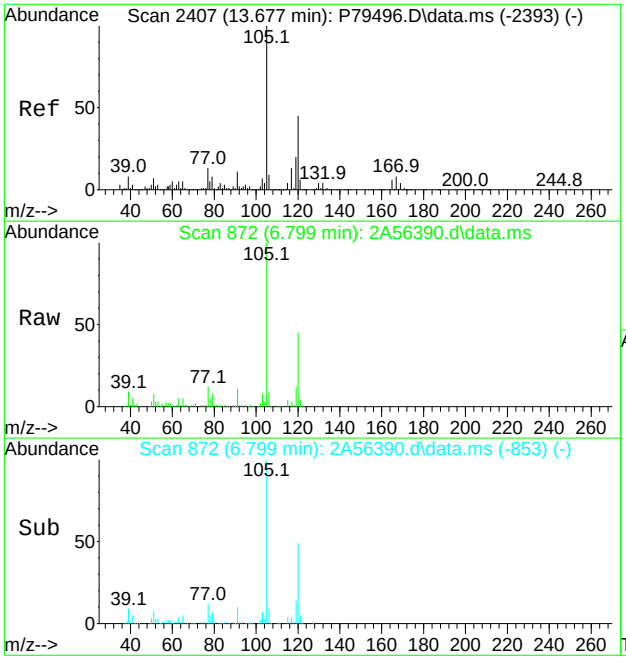


#91
1,3,5-Trimethylbenzene
Concen: 5.4859 ug/L
RT: 6.499 min Scan# 833
Delta R.T. 0.001 min
Lab File: 2A56390.d
Acq: 28 Jun 2024 10:36 am

Tgt Ion:105 Resp: 30202

Ion	Ratio	Lower	Upper
105	100		
120	48.0	21.4	81.4

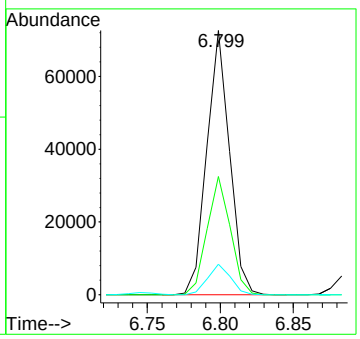


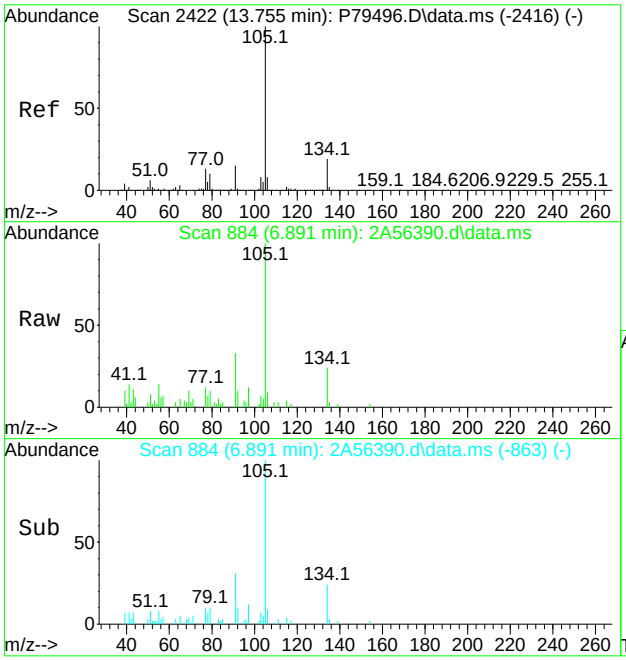


#98
1,2,4-Trimethylbenzene
Concen: 15.2905 ug/L
RT: 6.799 min Scan# 872
Delta R.T. -0.000 min
Lab File: 2A56390.d
Acq: 28 Jun 2024 10:36 am

Tgt Ion:105 Resp: 78748

Ion	Ratio	Lower	Upper
105	100		
120	44.7	18.1	78.1
119	11.6	0.0	42.3

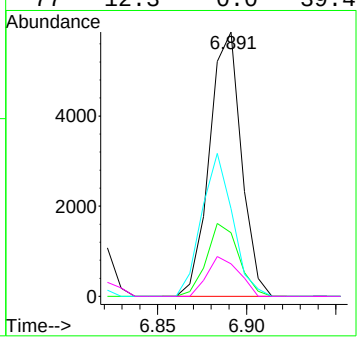


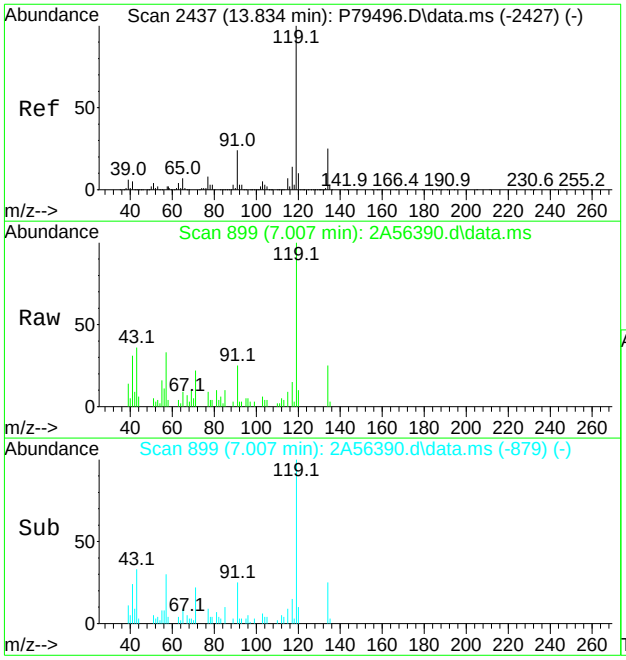


#100
sec-Butylbenzene
Concen: 1.0492 ug/L
RT: 6.891 min Scan# 884
Delta R.T. 0.008 min
Lab File: 2A56390.d
Acq: 28 Jun 2024 10:36 am

Tgt Ion:105 Resp: 7316

Ion	Ratio	Lower	Upper
105	100		
134	24.1	0.0	53.2
91	33.1	0.0	44.4
77	12.3	0.0	39.4

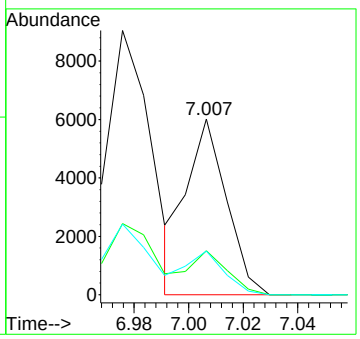


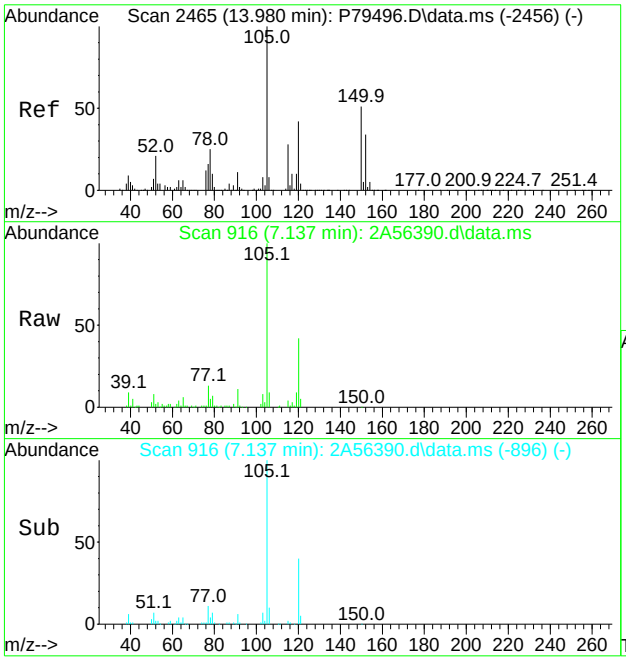


#101
4-Isopropyltoluene
Concen: 1.0314 ug/L m
RT: 7.007 min Scan# 899
Delta R.T. 0.001 min
Lab File: 2A56390.d
Acq: 28 Jun 2024 10:36 am

Tgt Ion:119 Resp: 6107

Ion	Ratio	Lower	Upper
119	100		
134	25.1	0.0	58.5
91	24.9	0.0	51.2

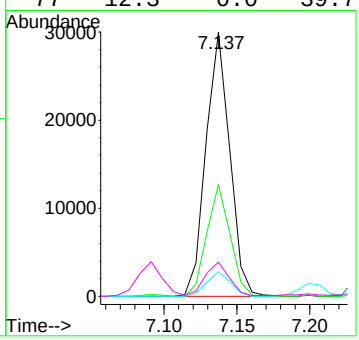


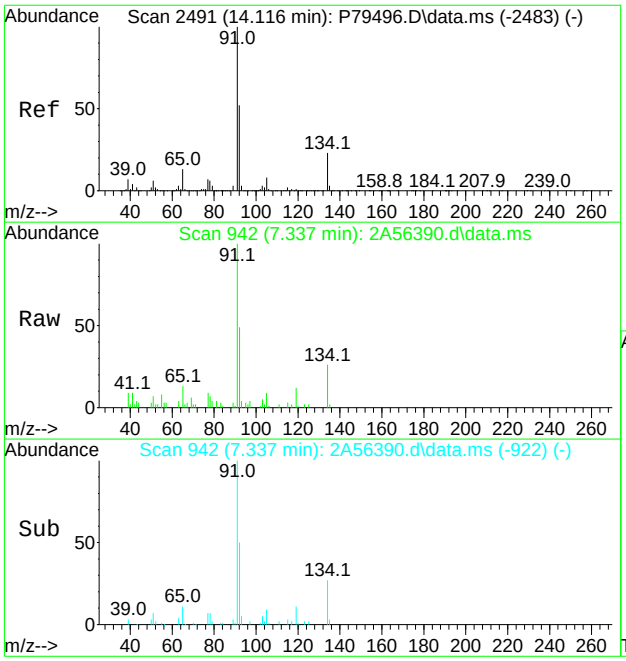


#103
1,2,3-Trimethylbenzene
Concen: 6.6932 ug/L
RT: 7.137 min Scan# 916
Delta R.T. 0.000 min
Lab File: 2A56390.d
Acq: 28 Jun 2024 10:36 am

Tgt Ion:105 Resp: 34164

Ion	Ratio	Lower	Upper
105	100		
120	42.3	14.0	74.0
119	9.4	0.0	40.1
77	12.3	0.0	39.7

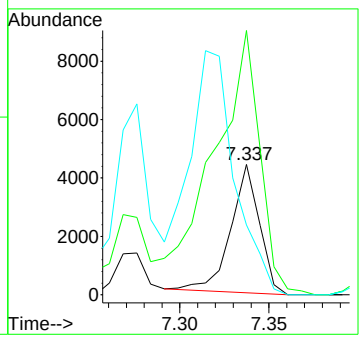


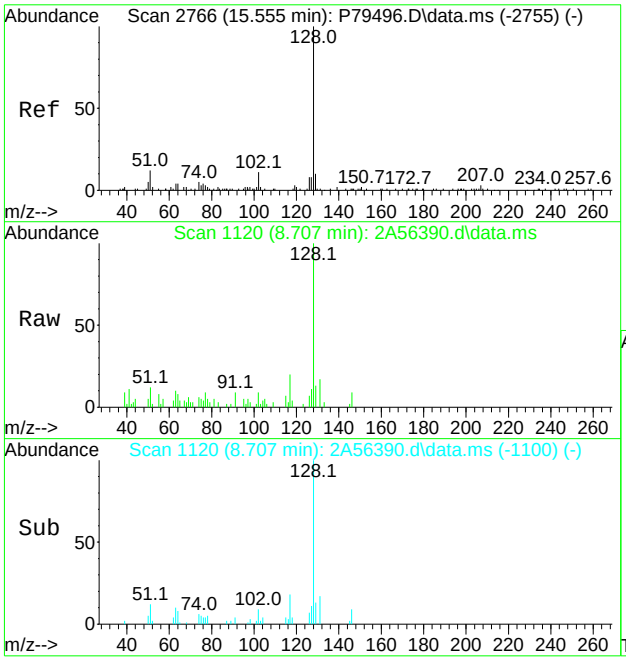


#105
n-Butylbenzene
Concen: 1.8094 ug/L
RT: 7.337 min Scan# 942
Delta R.T. 0.000 min
Lab File: 2A56390.d
Acq: 28 Jun 2024 10:36 am

Tgt Ion: 92 Resp: 4900

Ion	Ratio	Lower	Upper
92	100		
91	198.2	154.4	214.4
134	53.6	30.2	90.2

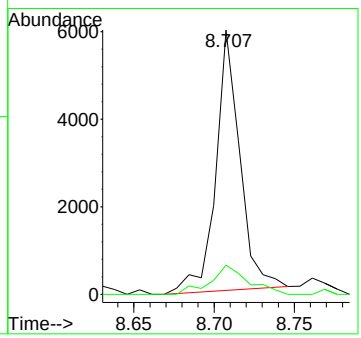




#111
Naphthalene
Concen: 1.4012 ug/L
RT: 8.707 min Scan# 1120
Delta R.T. 0.000 min
Lab File: 2A56390.d
Acq: 28 Jun 2024 10:36 am

Tgt Ion:128 Resp: 6247

Ion	Ratio	Lower	Upper
128	100		
127	11.0	0.0	42.8



Manual Integration Approval Summary

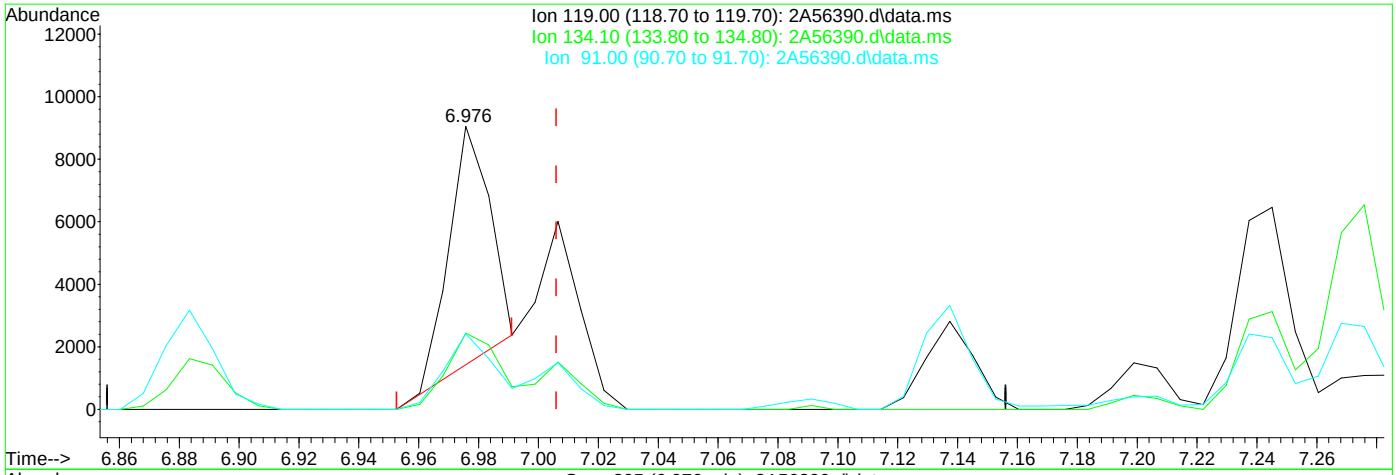
Sample Number: FC16676-5
Lab FileID: 2A56390.D
Injection Time: 06/28/24 10:36
Method: SW846 8260D
Analyst approved: 07/01/24 02:11 Lotus Acosta
Supervisor approved: 07/08/24 07:24 Neil Christiana

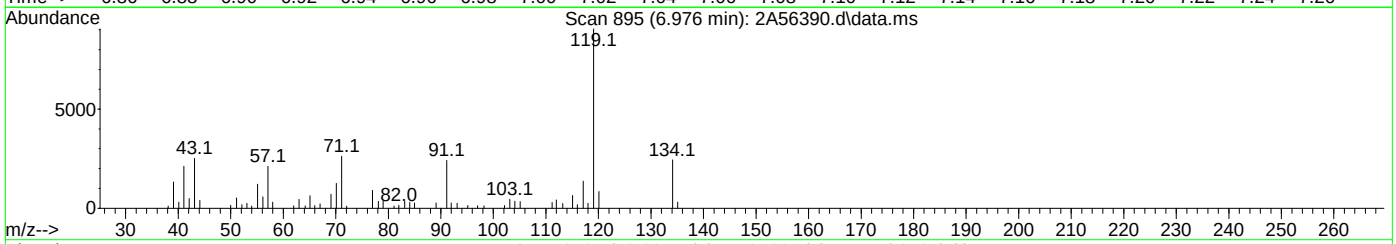
Parameter	CAS	Sig#	R.T. (min.)	Reason
Vinyl Acetate	108-05-4		2.60	Split peak
p-Isopropyltoluene	99-87-6		7.01	Split peak

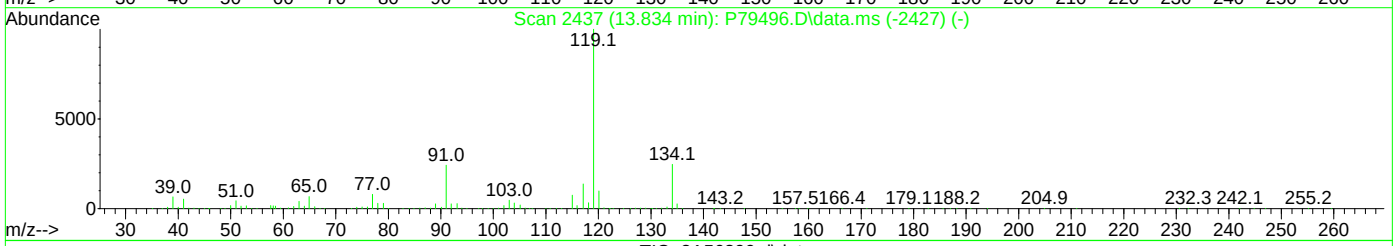
Quantitation Report (Qedit)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\V2A1914\
Data File : 2A56390.d
Acq On : 28 Jun 2024 10:36 am
Operator : lianatr
Sample : FC16676-5 Inst : MSVOA17
Misc : MS56930,V2A1914,,,,,10
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 01 04:59:36 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration







TIC: 2A56390.d\data.ms

(101) 4-Isopropyltoluene

6.976min (-0.030) 1.30ug/L

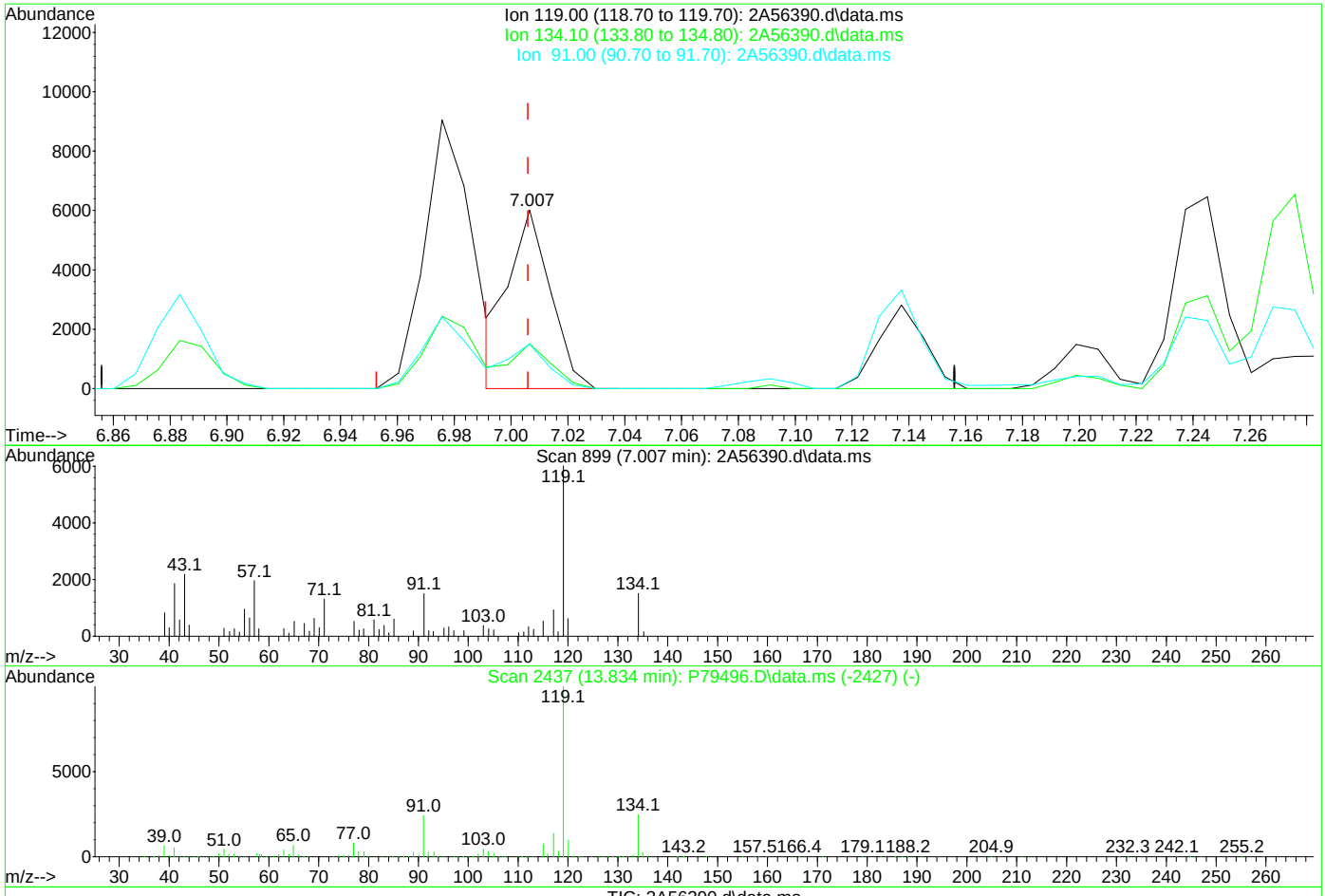
response 7675

Ion	Exp%	Act%
119.00	100	100
134.10	28.50	26.88
91.00	21.20	26.72
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\V2A1914\
Data File : 2A56390.d
Acq On : 28 Jun 2024 10:36 am
Operator : lianatr
Sample : FC16676-5 Inst : MSVOA17
Misc : MS56930,V2A1914,,,,,10
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 01 04:59:36 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration



TIC: 2A56390.d\data.ms

(101) 4-Isopropyltoluene

7.007min (+0.001) 1.03ug/L m

response 6107

Ion	Exp%	Act%
119.00	100	100
134.10	28.50	25.14
91.00	21.20	24.89
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\V2A1914\
Data File : 2A56391.d
Acq On : 28 Jun 2024 11:00 am
Operator : lianatr
Sample : FC16676-6 Inst : MSVOA17
Misc : MS56930,V2A1914,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 01 05:24:15 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration

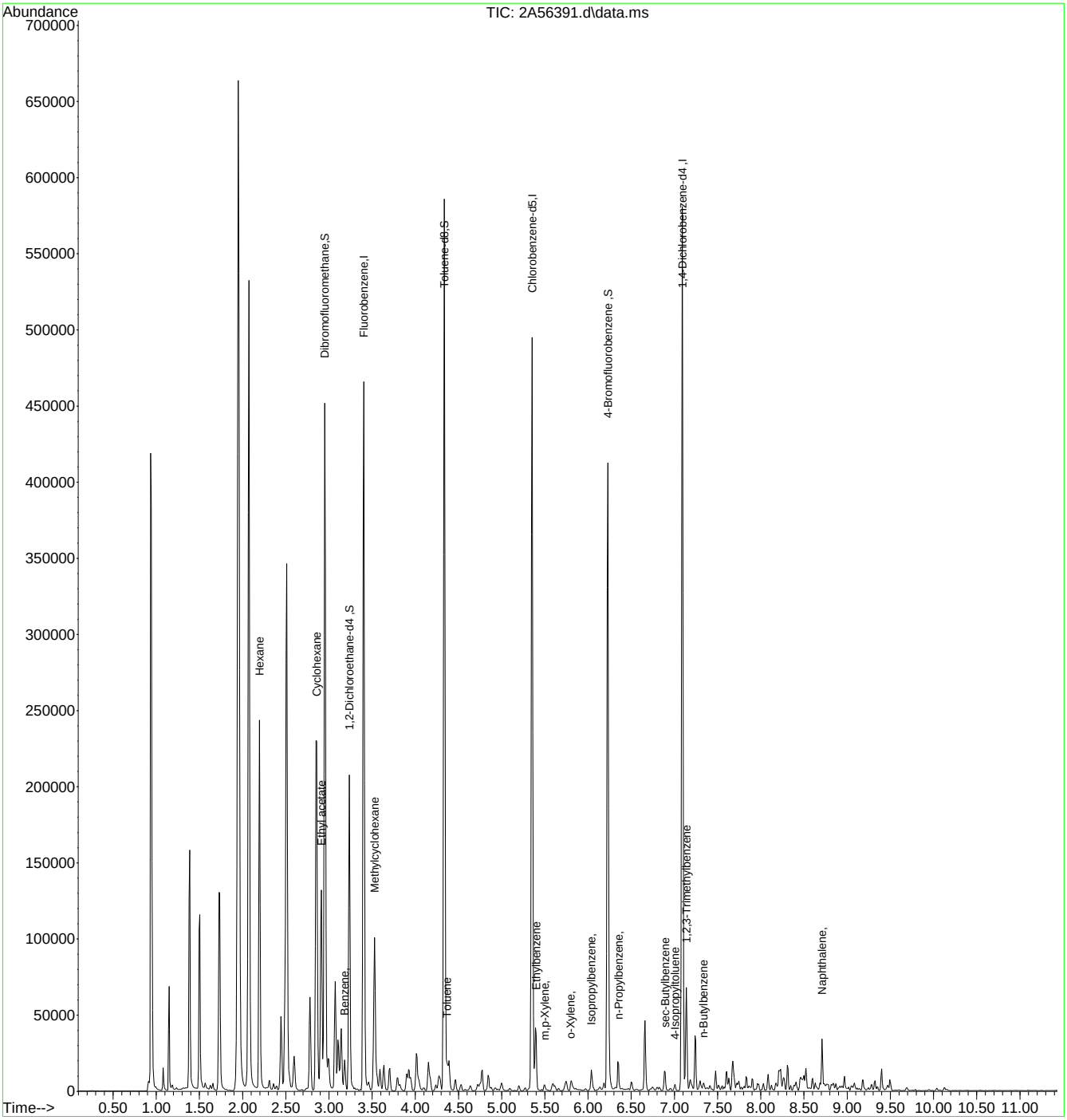
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.405	96	253326	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.352	117	185514	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.091	152	107620	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	2.951	113	71691	49.02	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.04%			
49) 1,2-Dichloroethane-d4	3.235	65	85577	48.81	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 97.62%			
63) Toluene-d8	4.336	98	248790	49.47	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 98.94%			
86) 4-Bromofluorobenzene	6.229	174	84760	49.77	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.54%			
Target Compounds						Qvalue
22) Hexane	2.196	56	31308	26.8633	ug/L #	82
35) Cyclohexane	2.858	56	41453	17.8789	ug/L #	57
37) Ethyl acetate	2.912	43	28302	17.0095	ug/L	72
47) Benzene	3.182	78	8254	1.6113	ug/L	96
54) Methylcyclohexane	3.528	83	23548	10.4123	ug/L #	78
64) Toluene	4.367	91	6395	1.1489	ug/L	95
77) Ethylbenzene	5.398	91	19234	2.9826	ug/L	95
80) m,p-Xylene	5.498	91	1267	0.2403	ug/L	96
81) o-Xylene	5.798	91	1296	0.2347	ug/L	84
84) Isopropylbenzene	6.037	105	6188	0.9515	ug/L	97
88) n-Propylbenzene	6.352	91	10655	1.3425	ug/L	93
100) sec-Butylbenzene	6.891	105	5747	0.8419	ug/L	86
101) 4-Isopropyltoluene	7.007	119	1274	0.2198	ug/L	97
103) 1,2,3-Trimethylbenzene	7.137	105	27647	5.5325	ug/L	97
105) n-Butylbenzene	7.338	92	1100	0.4149	ug/L	90
111) Naphthalene	8.708	128	14767	3.3833	ug/L	97

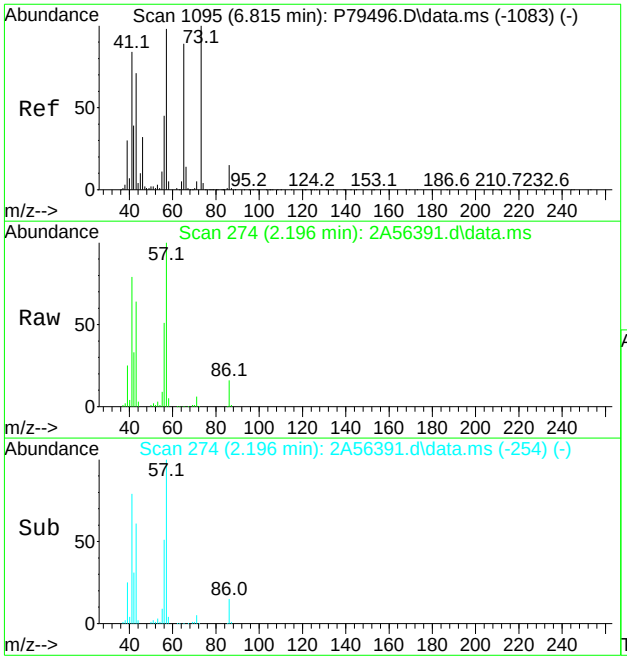
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\V2A1914\
Data File : 2A56391.d
Acq On : 28 Jun 2024 11:00 am
Operator : lianatr
Sample : FC16676-6 Inst : MSVOA17
Misc : MS56930,V2A1914,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 01 05:24:15 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration

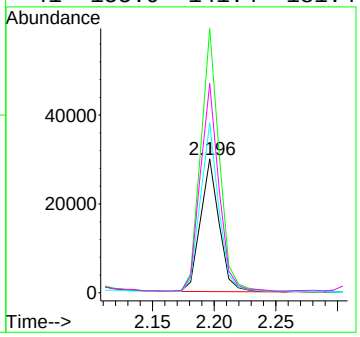


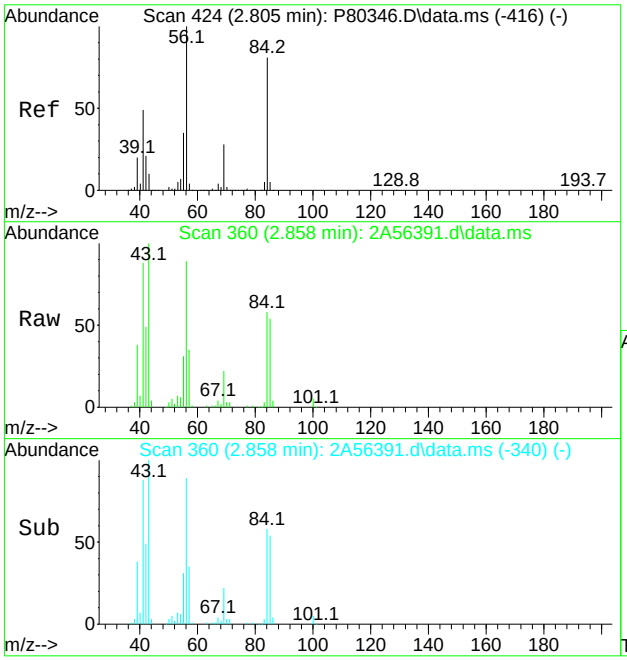


#22
Hexane
Concen: 26.8633 ug/L
RT: 2.196 min Scan# 274
Delta R.T. 0.000 min
Lab File: 2A56391.d
Acq: 28 Jun 2024 11:00 am

Tgt Ion: 56 Resp: 31308

Ion	Ratio	Lower	Upper
56	100		
57	197.4	226.9	266.9#
43	126.5	123.5	163.5
41	155.9	141.4	181.4

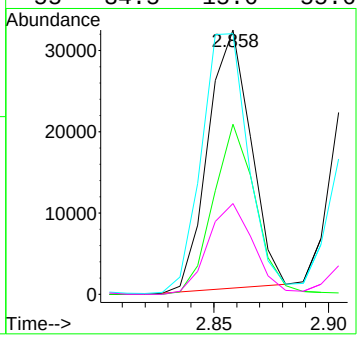


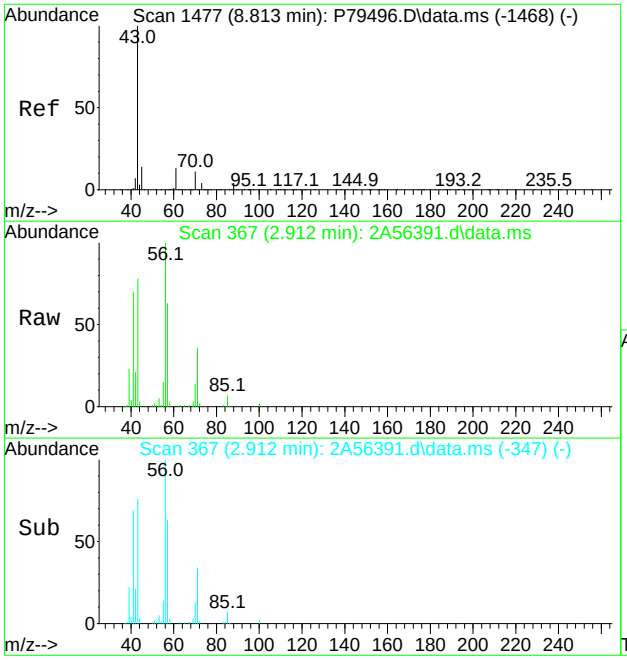


#35
Cyclohexane
Concen: 17.8789 ug/L
RT: 2.858 min Scan# 360
Delta R.T. 0.000 min
Lab File: 2A56391.d
Acq: 28 Jun 2024 11:00 am

Tgt Ion: 56 Resp: 41453

Ion	Ratio	Lower	Upper
56	100		
84	64.7	84.9	124.9#
41	98.3	22.8	62.8#
55	34.5	15.6	55.6

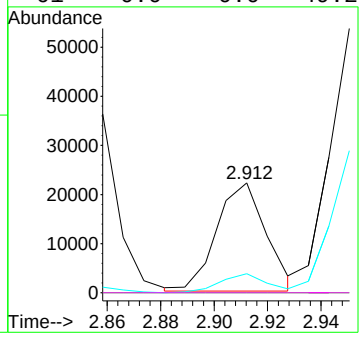


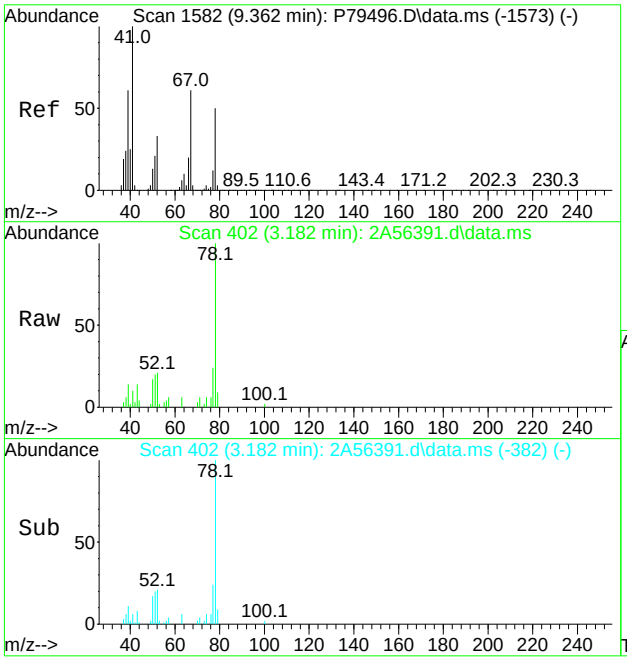


#37
Ethyl acetate
Concen: 17.0095 ug/L
RT: 2.912 min Scan# 367
Delta R.T. 0.000 min
Lab File: 2A56391.d
Acq: 28 Jun 2024 11:00 am

Tgt Ion: 43 Resp: 28302

Ion	Ratio	Lower	Upper
43	100		
45	0.0	0.0	45.2
70	18.2	0.0	47.0
61	0.0	0.0	49.2

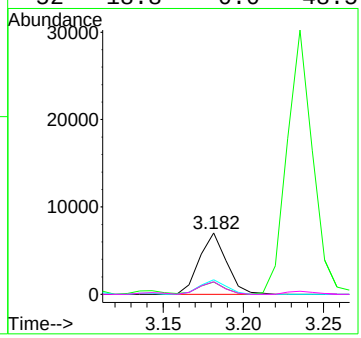


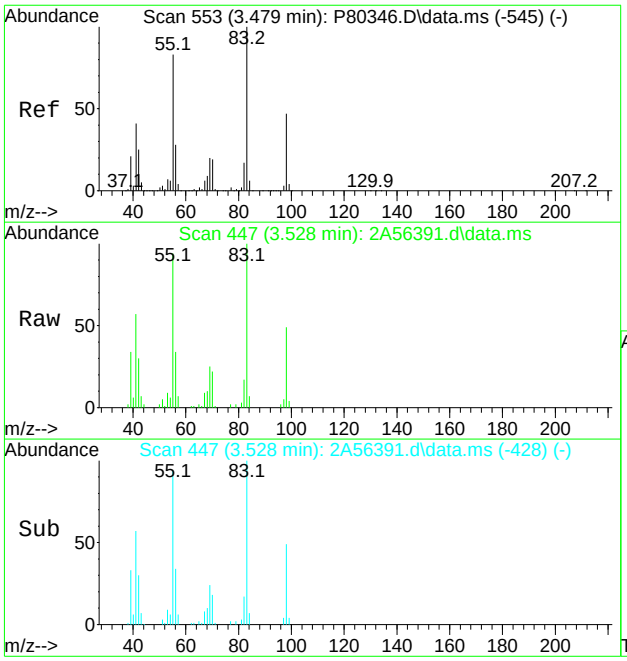


#47
Benzene
Concen: 1.6113 ug/L
RT: 3.182 min Scan# 402
Delta R.T. 0.001 min
Lab File: 2A56391.d
Acq: 28 Jun 2024 11:00 am

Tgt Ion: 78 Resp: 8254

Ion	Ratio	Lower	Upper
78	100		
51	17.3	0.0	43.6
77	24.0	0.0	52.8
52	18.8	0.0	48.5

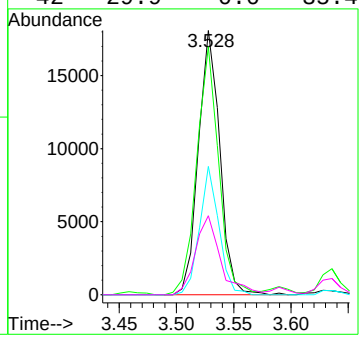


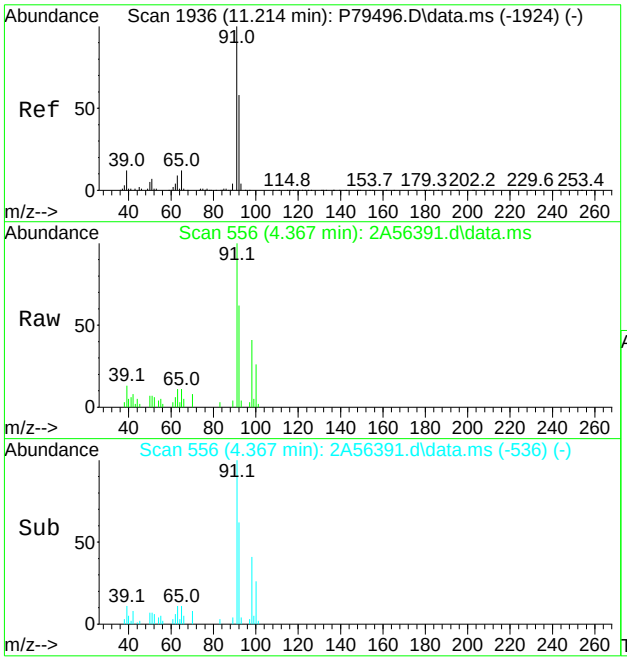


#54
Methylcyclohexane
Concen: 10.4123 ug/L
RT: 3.528 min Scan# 447
Delta R.T. -0.000 min
Lab File: 2A56391.d
Acq: 28 Jun 2024 11:00 am

Tgt Ion: 83 Resp: 23548

Ion	Ratio	Lower	Upper
83	100		
55	93.8	45.2	85.2#
98	48.6	28.6	68.6
42	29.9	0.0	35.4

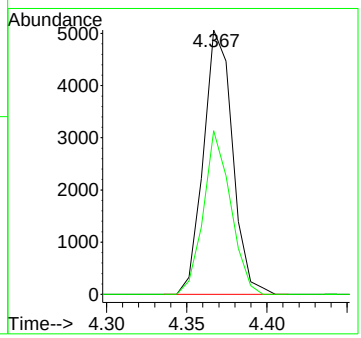


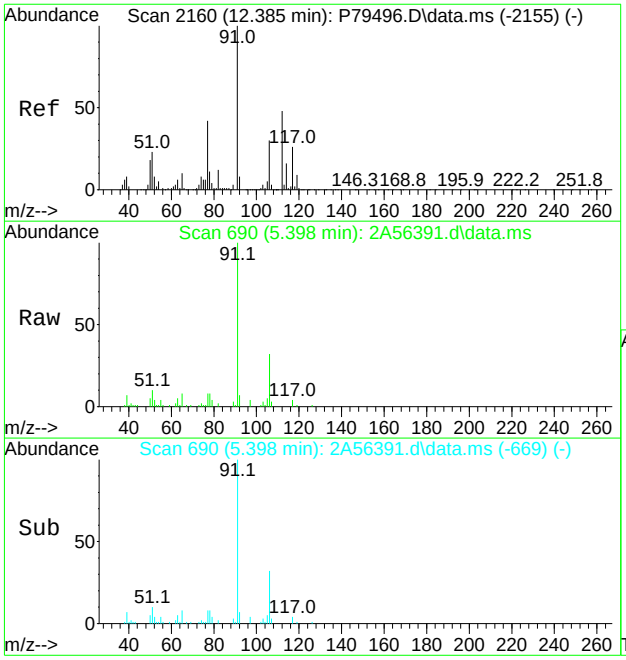


#64
Toluene
Concen: 1.1489 ug/L
RT: 4.367 min Scan# 556
Delta R.T. 0.001 min
Lab File: 2A56391.d
Acq: 28 Jun 2024 11:00 am

Tgt Ion: 91 Resp: 6395

Ion	Ratio	Lower	Upper
91	100		
92	61.9	28.2	88.2

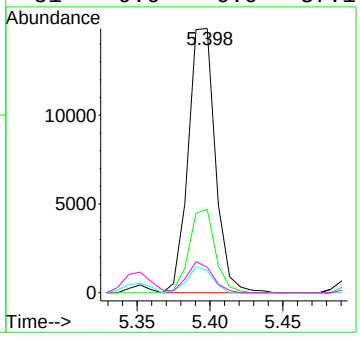


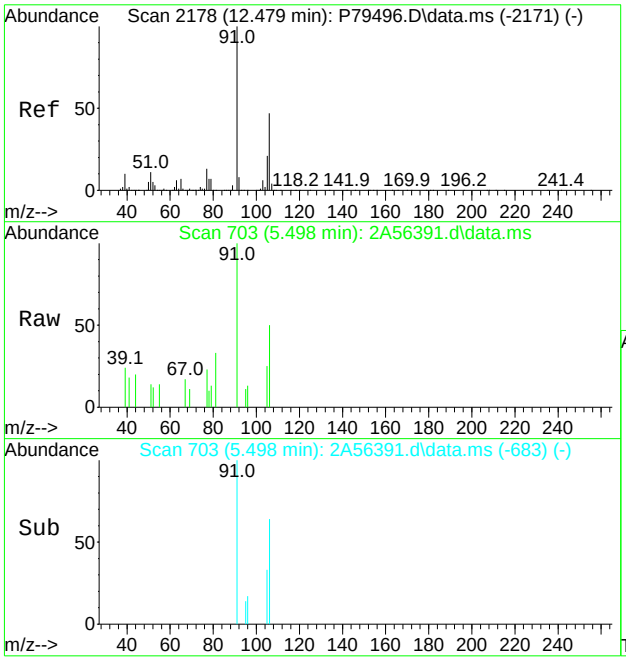


#77
Ethylbenzene
Concen: 2.9826 ug/L
RT: 5.398 min Scan# 690
Delta R.T. 0.008 min
Lab File: 2A56391.d
Acq: 28 Jun 2024 11:00 am

Tgt Ion: 91 Resp: 19234

Ion	Ratio	Lower	Upper
91	100		
106	31.6	4.3	64.3
65	8.4	0.0	37.1
51	9.6	0.0	37.1

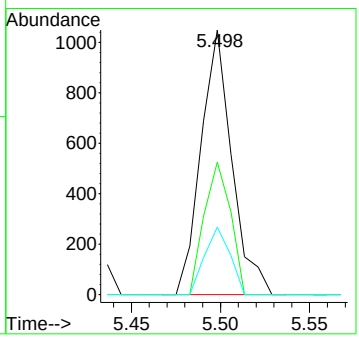


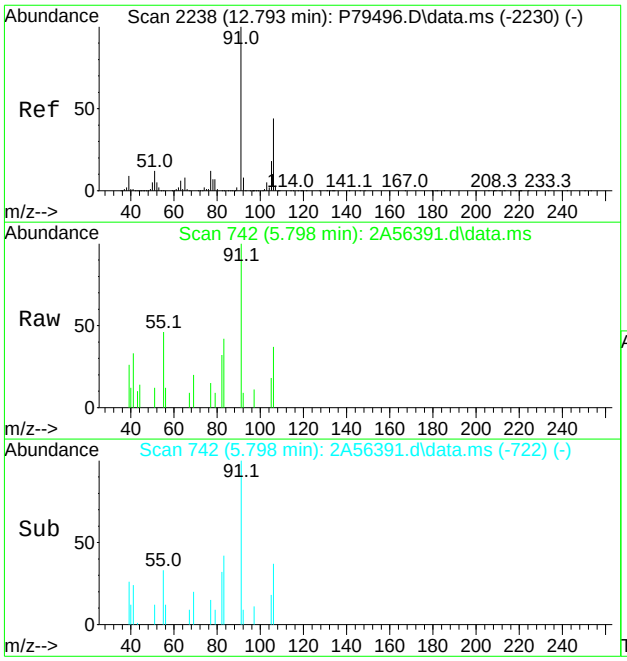


#80
m,p-Xylene
Concen: 0.2403 ug/L
RT: 5.498 min Scan# 703
Delta R.T. 0.000 min
Lab File: 2A56391.d
Acq: 28 Jun 2024 11:00 am

Tgt Ion: 91 Resp: 1267

Ion	Ratio	Lower	Upper
91	100		
106	50.0	23.2	83.2
105	25.5	0.0	54.5

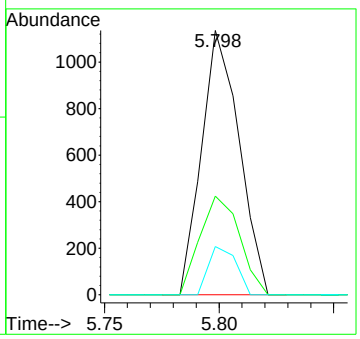


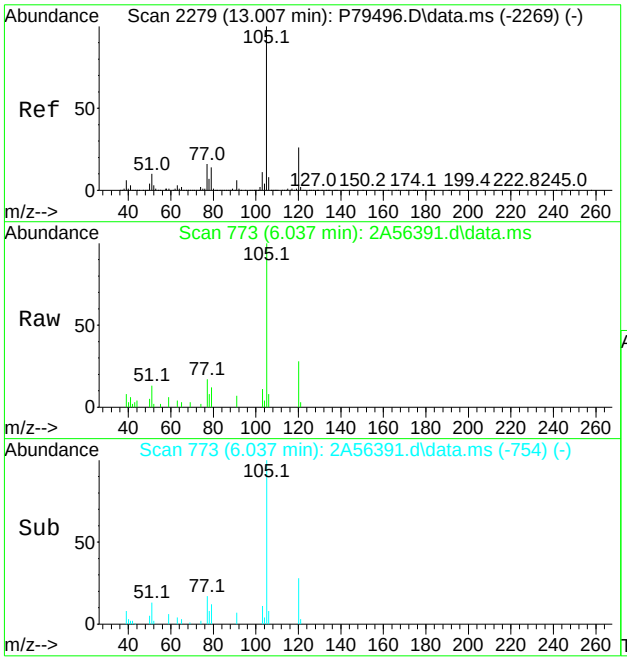


#81
o-Xylene
Concen: 0.2347 ug/L
RT: 5.798 min Scan# 742
Delta R.T. 0.000 min
Lab File: 2A56391.d
Acq: 28 Jun 2024 11:00 am

Tgt Ion: 91 Resp: 1296

Ion	Ratio	Lower	Upper
91	100		
106	37.3	21.1	81.1
105	18.2	0.0	51.5

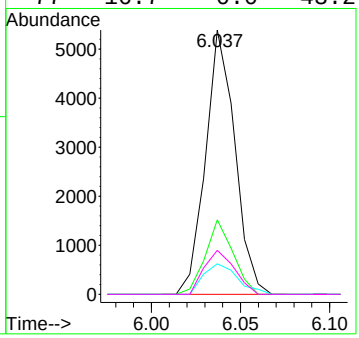


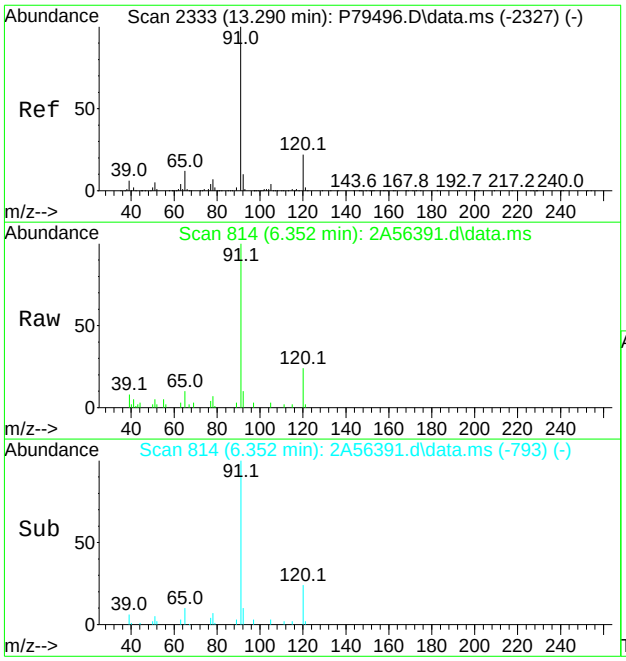


#84
Isopropylbenzene
Concen: 0.9515 ug/L
RT: 6.037 min Scan# 773
Delta R.T. -0.000 min
Lab File: 2A56391.d
Acq: 28 Jun 2024 11:00 am

Tgt Ion:105 Resp: 6188

Ion	Ratio	Lower	Upper
105	100		
120	28.2	0.0	57.9
79	11.6	0.0	41.6
77	16.7	0.0	43.2

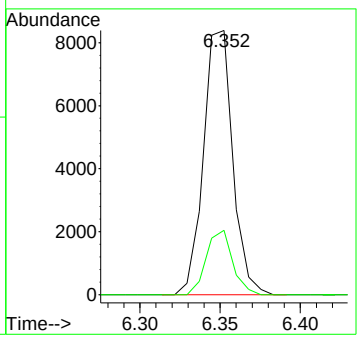


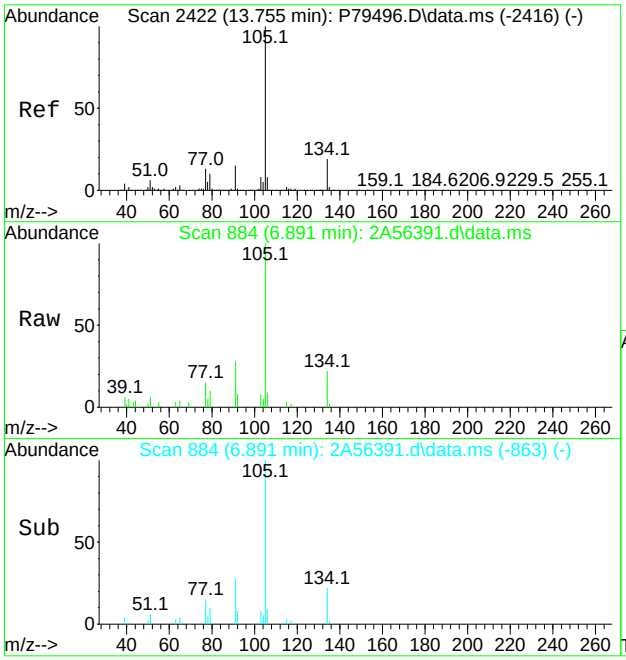


#88
n-Propylbenzene
Concen: 1.3425 ug/L
RT: 6.352 min Scan# 814
Delta R.T. 0.008 min
Lab File: 2A56391.d
Acq: 28 Jun 2024 11:00 am

Tgt Ion: 91 Resp: 10655

Ion	Ratio	Lower	Upper
91	100		
120	24.4	0.0	58.2

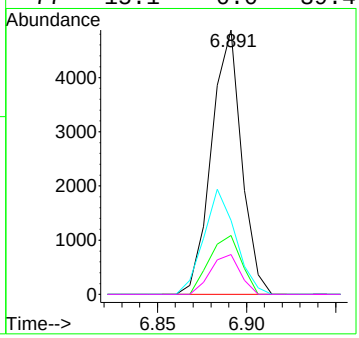


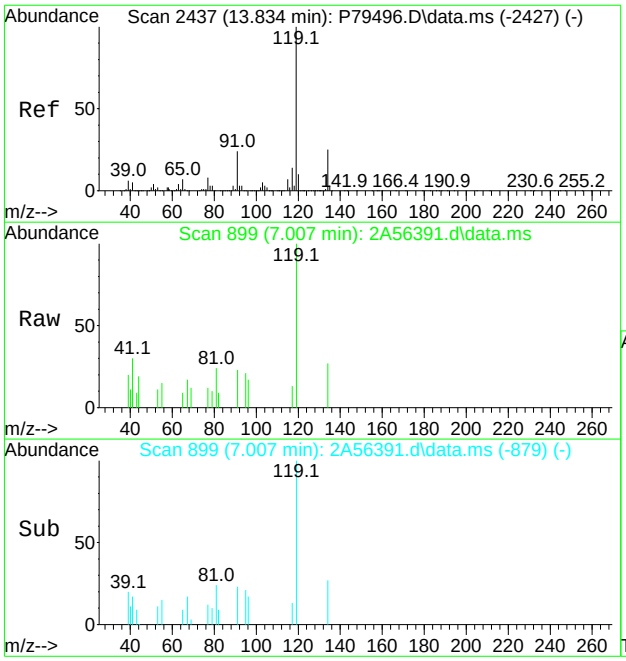


#100
sec-Butylbenzene
Concen: 0.8419 ug/L
RT: 6.891 min Scan# 884
Delta R.T. 0.008 min
Lab File: 2A56391.d
Acq: 28 Jun 2024 11:00 am

Tgt Ion:105 Resp: 5747

Ion	Ratio	Lower	Upper
105	100		
134	22.3	0.0	53.2
91	28.0	0.0	44.4
77	15.1	0.0	39.4

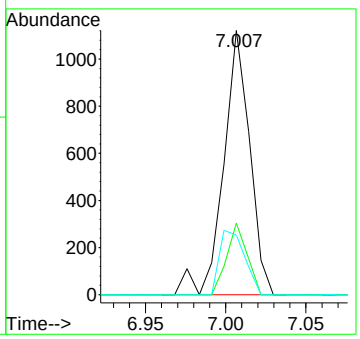


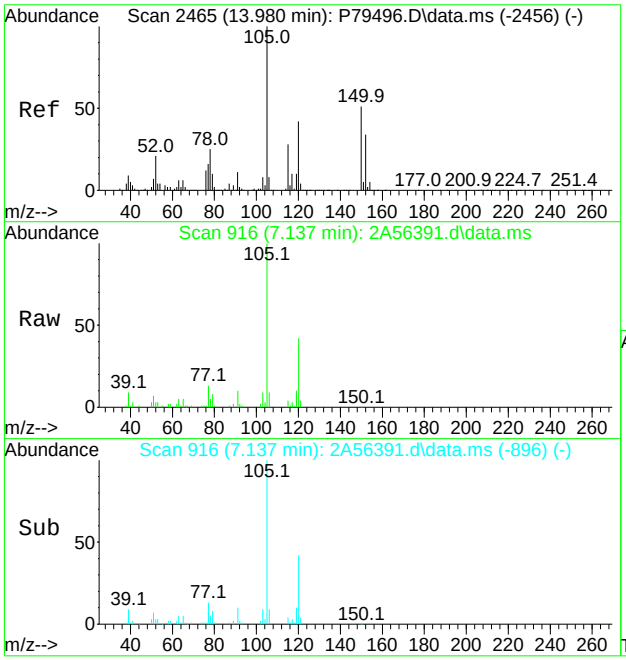


#101
4-Isopropyltoluene
Concen: 0.2198 ug/L
RT: 7.007 min Scan# 899
Delta R.T. 0.001 min
Lab File: 2A56391.d
Acq: 28 Jun 2024 11:00 am

Tgt Ion:119 Resp: 1274

Ion	Ratio	Lower	Upper
119	100		
134	27.1	0.0	58.5
91	22.5	0.0	51.2

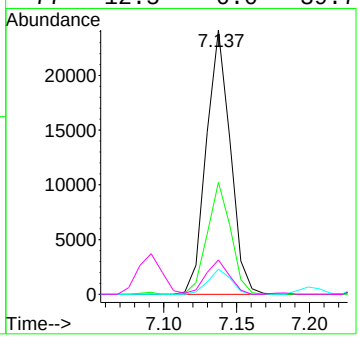


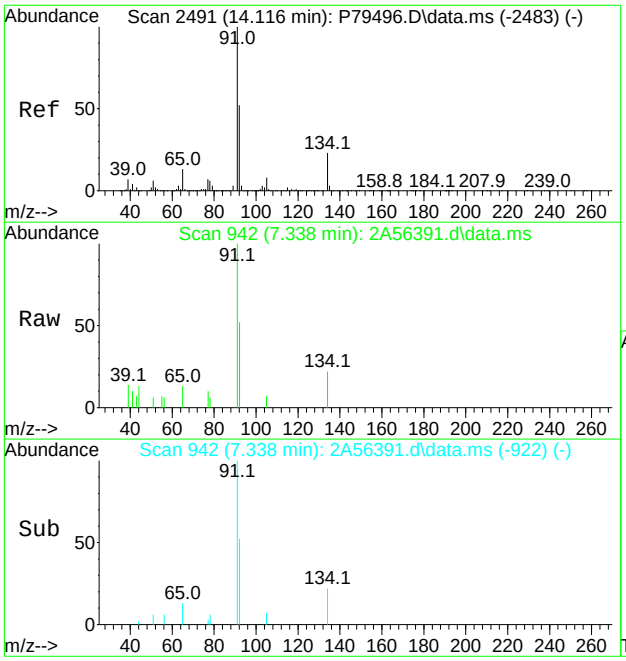


#103
1,2,3-Trimethylbenzene
Concen: 5.5325 ug/L
RT: 7.137 min Scan# 916
Delta R.T. 0.000 min
Lab File: 2A56391.d
Acq: 28 Jun 2024 11:00 am

Tgt Ion:105 Resp: 27647

Ion	Ratio	Lower	Upper
105	100		
120	42.4	14.0	74.0
119	9.5	0.0	40.1
77	12.5	0.0	39.7

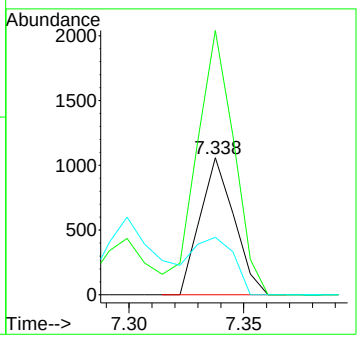


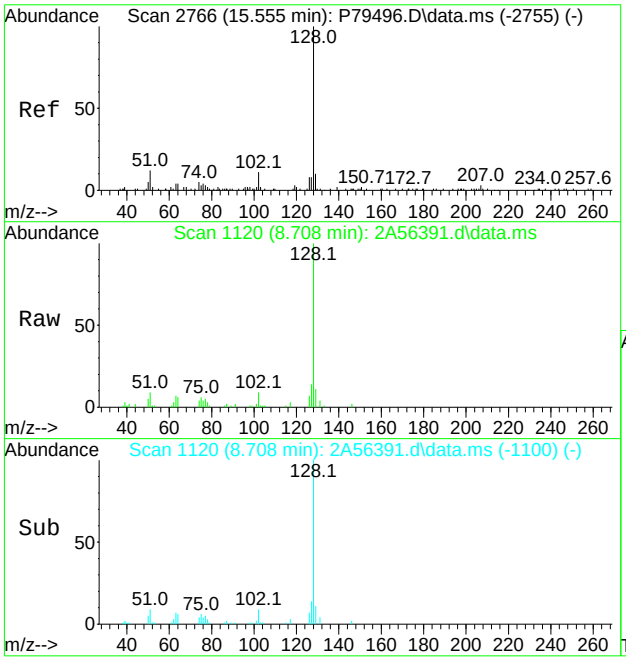


#105
n-Butylbenzene
Concen: 0.4149 ug/L
RT: 7.338 min Scan# 942
Delta R.T. 0.001 min
Lab File: 2A56391.d
Acq: 28 Jun 2024 11:00 am

Tgt Ion: 92 Resp: 1100

Ion	Ratio	Lower	Upper
92	100		
91	193.0	154.4	214.4
134	42.0	30.2	90.2

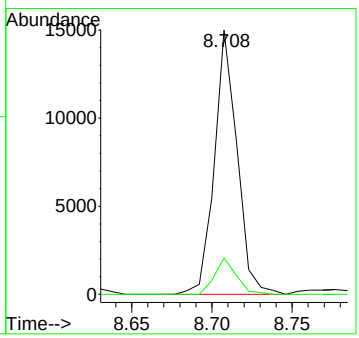




#111
Naphthalene
Concen: 3.3833 ug/L
RT: 8.708 min Scan# 1120
Delta R.T. 0.001 min
Lab File: 2A56391.d
Acq: 28 Jun 2024 11:00 am

Tgt Ion:128 Resp: 14767

Ion	Ratio	Lower	Upper
128	100		
127	13.8	0.0	42.8



Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\V2A1914\
Data File : 2A56392.d
Acq On : 28 Jun 2024 11:24 am
Operator : lianatr
Sample : FC16676-7 Inst : MSVOA17
Misc : MS56930,V2A1914,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 01 05:26:12 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration

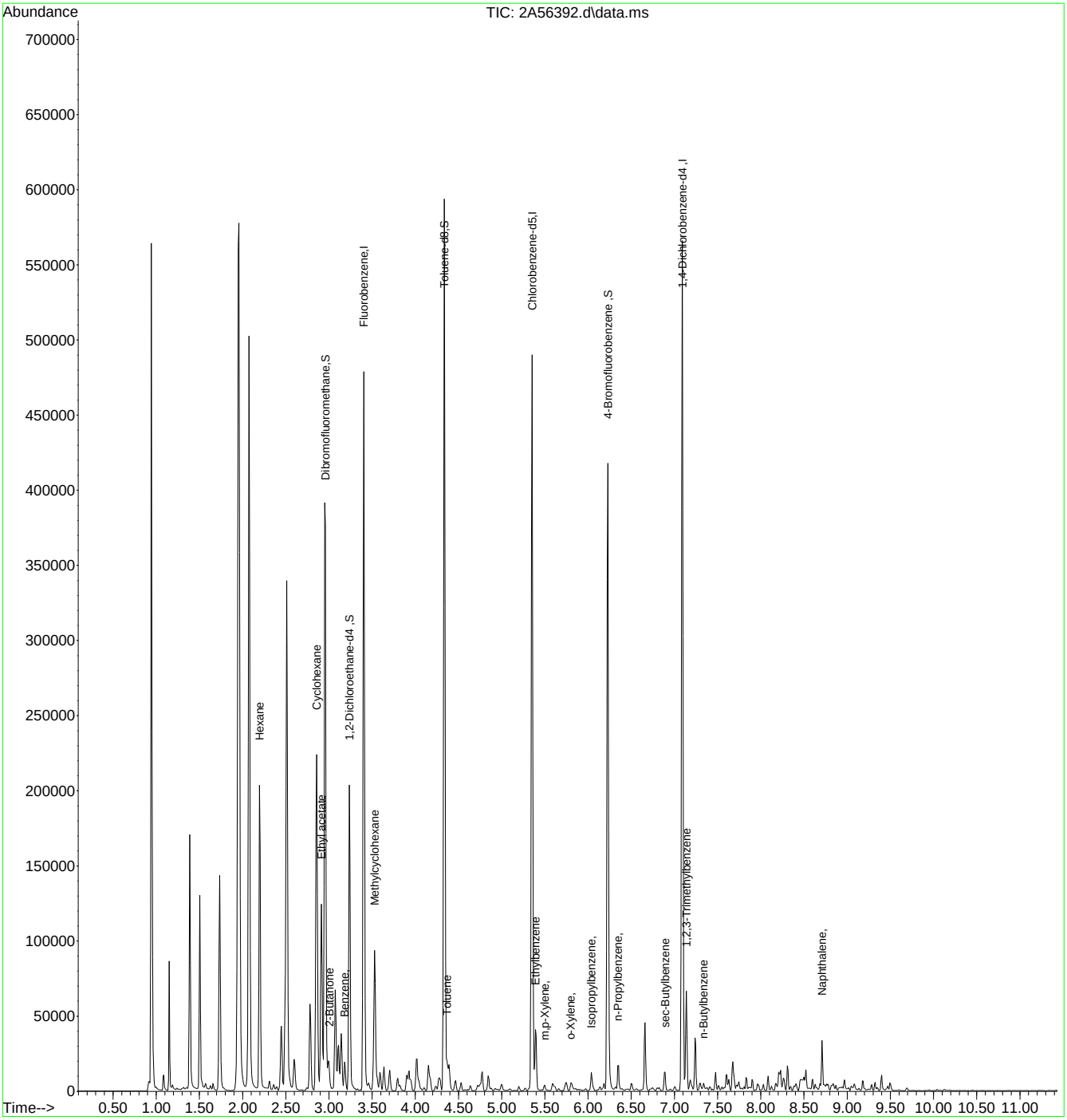
Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) Fluorobenzene		3.405	96	252447	50.00	ug/L	0.00
62) Chlorobenzene-d5		5.352	117	184638	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4		7.091	152	108081	50.00	ug/L	0.00
System Monitoring Compounds							
39) Dibromofluoromethane		2.958	113	71562	49.10	ug/L	0.00
Spiked Amount	50.000	Range 83 - 118		Recovery =	98.20%		
49) 1,2-Dichloroethane-d4		3.236	65	85207	48.77	ug/L	0.00
Spiked Amount	50.000	Range 79 - 125		Recovery =	97.54%		
63) Toluene-d8		4.336	98	248753	49.70	ug/L	0.00
Spiked Amount	50.000	Range 85 - 112		Recovery =	99.40%		
86) 4-Bromofluorobenzene		6.229	174	84532	49.42	ug/L	0.00
Spiked Amount	50.000	Range 83 - 118		Recovery =	98.84%		
Target Compounds							Qvalue
22) Hexane		2.197	56	28130	24.2205	ug/L #	82
35) Cyclohexane		2.858	56	37433	16.2013	ug/L #	53
37) Ethyl acetate		2.912	43	26741	16.1273	ug/L	73
42) 2-Butanone		3.005	43	1600	1.9376	ug/L	65
47) Benzene		3.182	78	8357	1.6371	ug/L	99
54) Methylcyclohexane		3.528	83	22027	9.7736	ug/L #	77
64) Toluene		4.367	91	6284	1.1343	ug/L	94
77) Ethylbenzene		5.391	91	19015	2.9627	ug/L	91
80) m,p-Xylene		5.498	91	1224	0.2332	ug/L	91
81) o-Xylene		5.798	91	1195	0.2174	ug/L	95
84) Isopropylbenzene		6.037	105	5755	0.8891	ug/L	96
88) n-Propylbenzene		6.345	91	9996	1.2541	ug/L	89
100) sec-Butylbenzene		6.891	105	5567	0.8120	ug/L	80
103) 1,2,3-Trimethylbenzene		7.138	105	26597	5.2997	ug/L	95
105) n-Butylbenzene		7.338	92	938	0.3523	ug/L	94
111) Naphthalene		8.708	128	14743	3.3634	ug/L	97

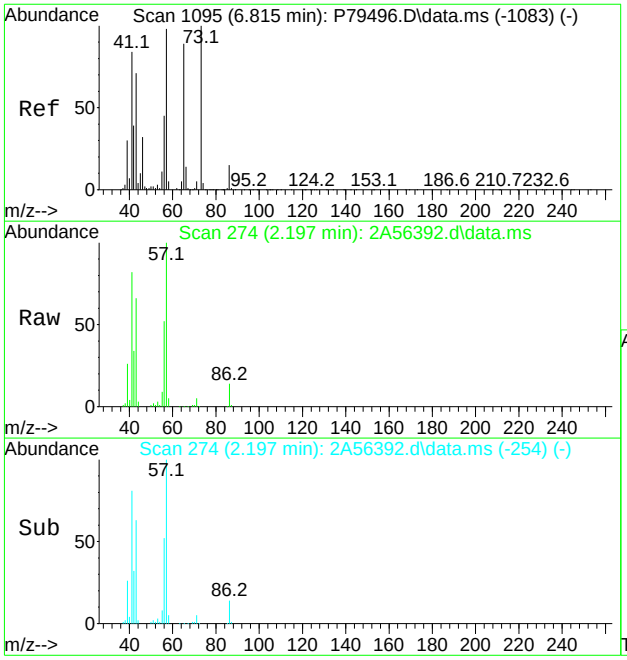
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\V2A1914\
Data File : 2A56392.d
Acq On : 28 Jun 2024 11:24 am
Operator : lianatr
Sample : FC16676-7 Inst : MSVOA17
Misc : MS56930,V2A1914,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 01 05:26:12 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration

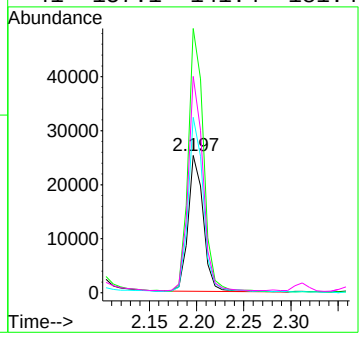


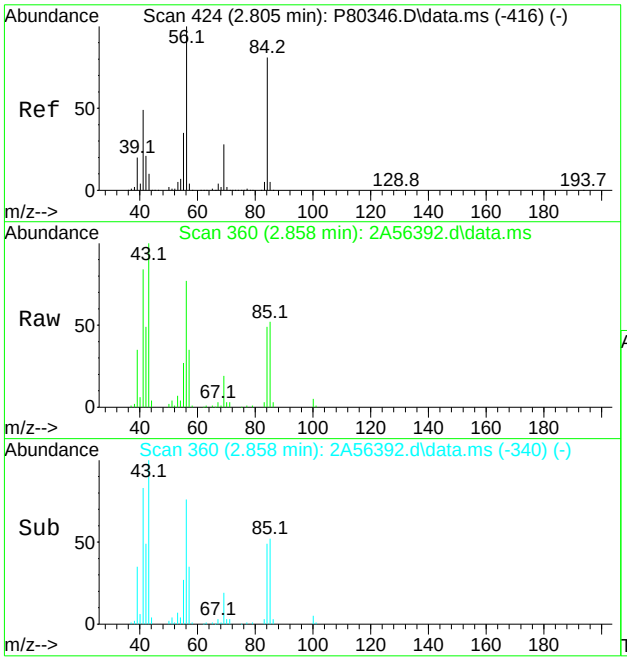


#22
Hexane
Concen: 24.2205 ug/L
RT: 2.197 min Scan# 274
Delta R.T. 0.001 min
Lab File: 2A56392.d
Acq: 28 Jun 2024 11:24 am

Tgt Ion: 56 Resp: 28130

Ion	Ratio	Lower	Upper
56	100		
57	193.1	226.9	266.9#
43	127.9	123.5	163.5
41	157.1	141.4	181.4

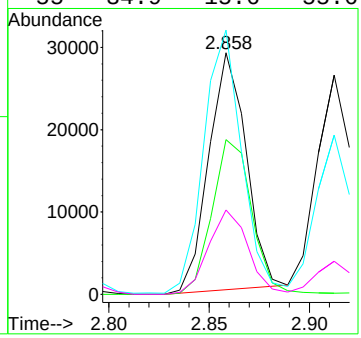


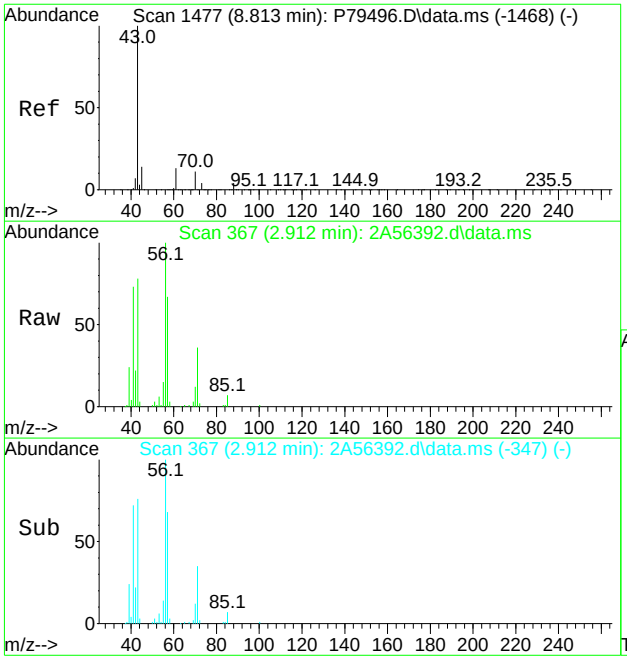


#35
Cyclohexane
Concen: 16.2013 ug/L
RT: 2.858 min Scan# 360
Delta R.T. 0.000 min
Lab File: 2A56392.d
Acq: 28 Jun 2024 11:24 am

Tgt Ion: 56 Resp: 37433

Ion	Ratio	Lower	Upper
56	100		
84	64.1	84.9	124.9#
41	109.0	22.8	62.8#
55	34.9	15.6	55.6

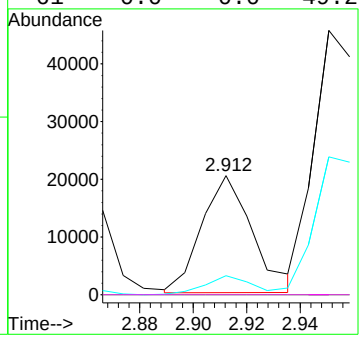


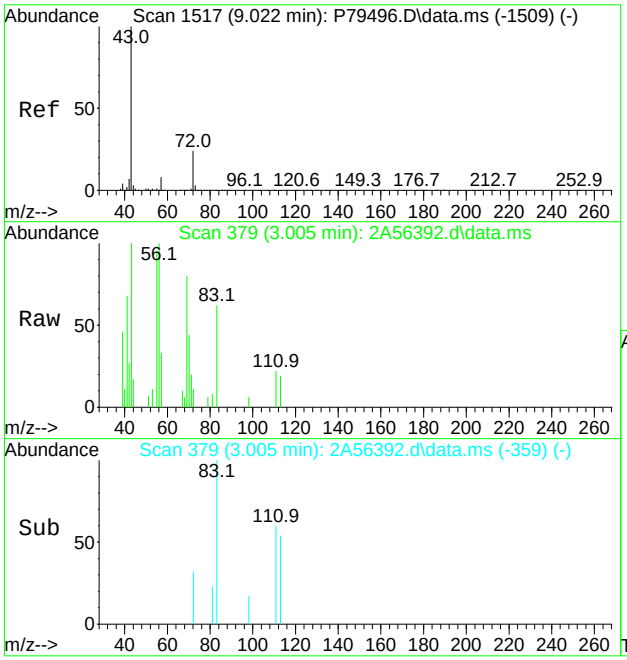


#37
Ethyl acetate
Concen: 16.1273 ug/L
RT: 2.912 min Scan# 367
Delta R.T. 0.000 min
Lab File: 2A56392.d
Acq: 28 Jun 2024 11:24 am

Tgt Ion: 43 Resp: 26741

Ion	Ratio	Lower	Upper
43	100		
45	0.0	0.0	45.2
70	16.1	0.0	47.0
61	0.0	0.0	49.2

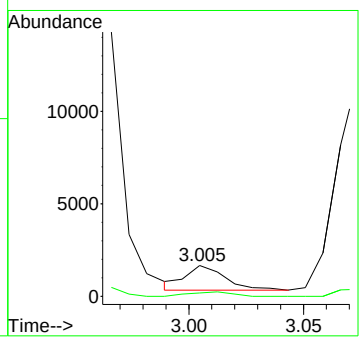


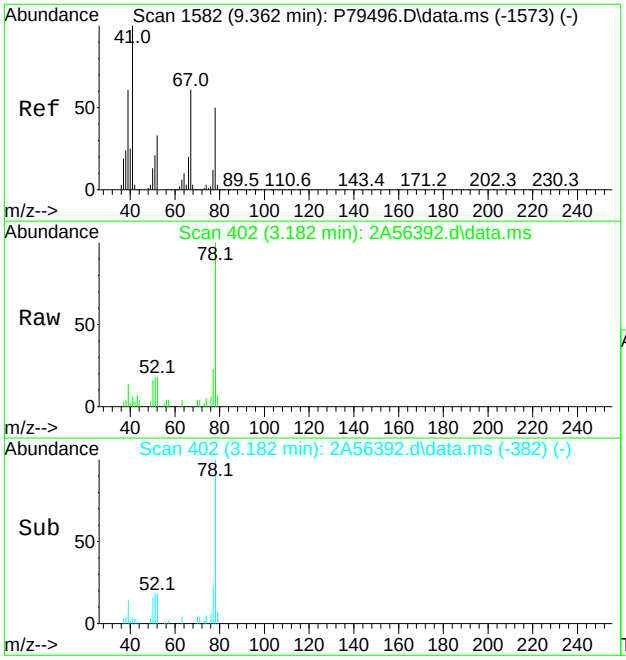


#42
2-Butanone
Concen: 1.9376 ug/L
RT: 3.005 min Scan# 379
Delta R.T. 0.001 min
Lab File: 2A56392.d
Acq: 28 Jun 2024 11:24 am

Tgt Ion: 43 Resp: 1600

Ion	Ratio	Lower	Upper
43	100		
72	14.3	4.3	64.3

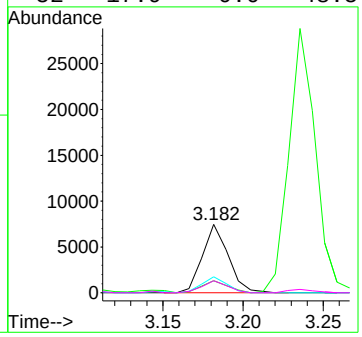


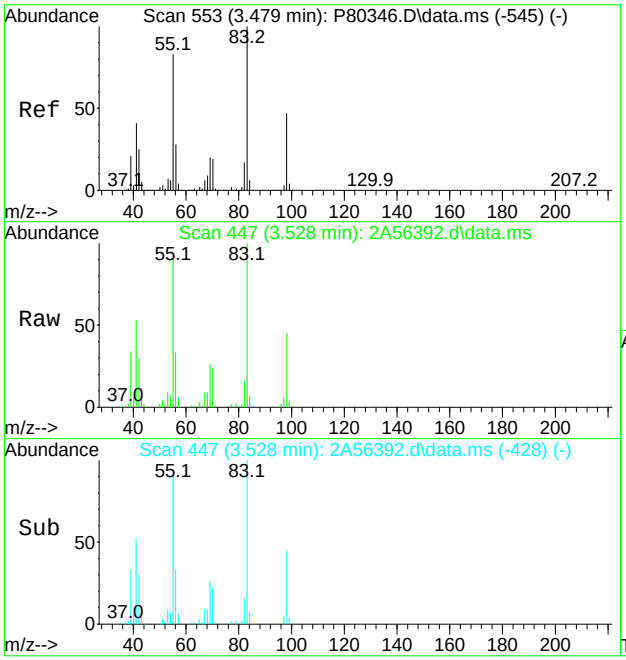


#47
Benzene
Concen: 1.6371 ug/L
RT: 3.182 min Scan# 402
Delta R.T. 0.001 min
Lab File: 2A56392.d
Acq: 28 Jun 2024 11:24 am

Tgt Ion: 78 Resp: 8357

Ion	Ratio	Lower	Upper
78	100		
51	14.2	0.0	43.6
77	23.3	0.0	52.8
52	17.9	0.0	48.5

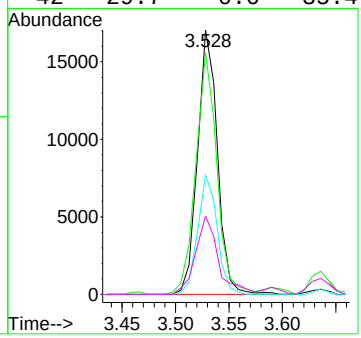


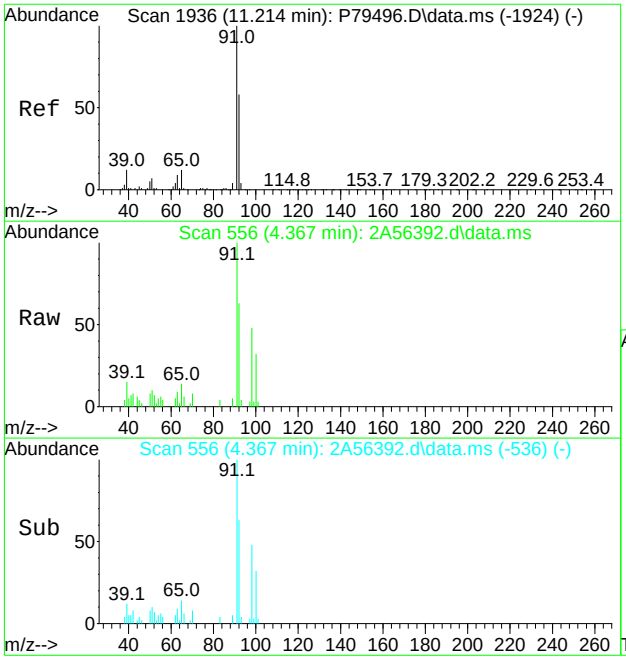


#54
Methylcyclohexane
Concen: 9.7736 ug/L
RT: 3.528 min Scan# 447
Delta R.T. -0.000 min
Lab File: 2A56392.d
Acq: 28 Jun 2024 11:24 am

Tgt Ion: 83 Resp: 22027

Ion	Ratio	Lower	Upper
83	100		
55	91.4	45.2	85.2#
98	45.3	28.6	68.6
42	29.7	0.0	35.4

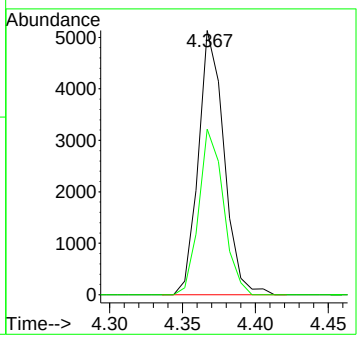


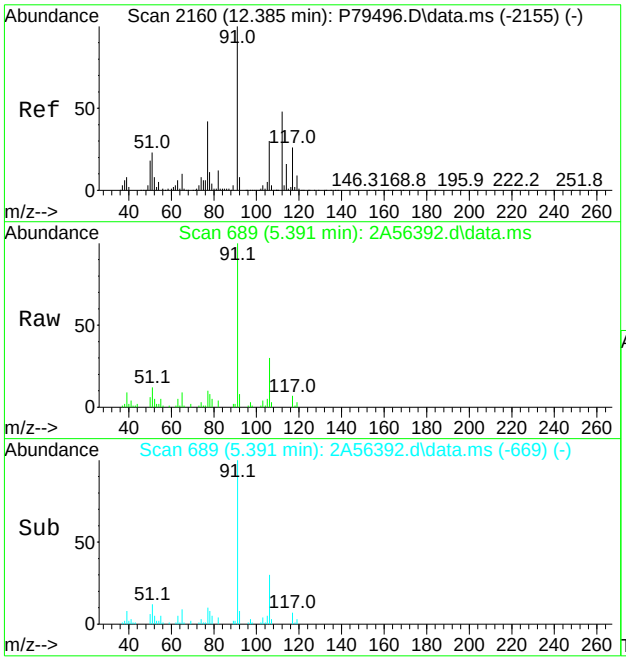


#64
Toluene
Concen: 1.1343 ug/L
RT: 4.367 min Scan# 556
Delta R.T. 0.001 min
Lab File: 2A56392.d
Acq: 28 Jun 2024 11:24 am

Tgt Ion: 91 Resp: 6284

Ion	Ratio	Lower	Upper
91	100		
92	62.6	28.2	88.2

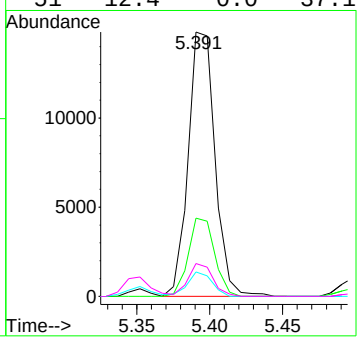


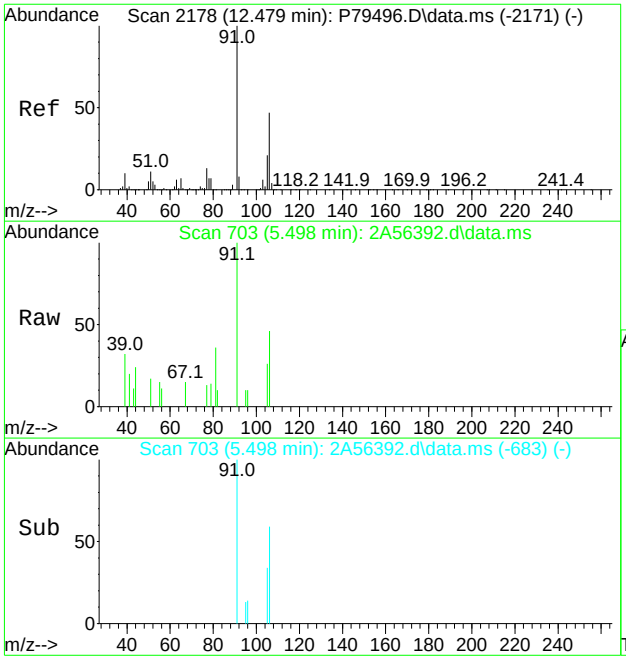


#77
Ethylbenzene
Concen: 2.9627 ug/L
RT: 5.391 min Scan# 689
Delta R.T. 0.001 min
Lab File: 2A56392.d
Acq: 28 Jun 2024 11:24 am

Tgt Ion: 91 Resp: 19015

Ion	Ratio	Lower	Upper
91	100		
106	29.5	4.3	64.3
65	9.2	0.0	37.1
51	12.4	0.0	37.1

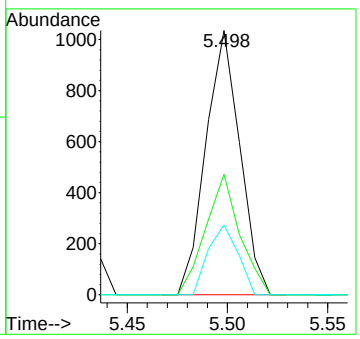


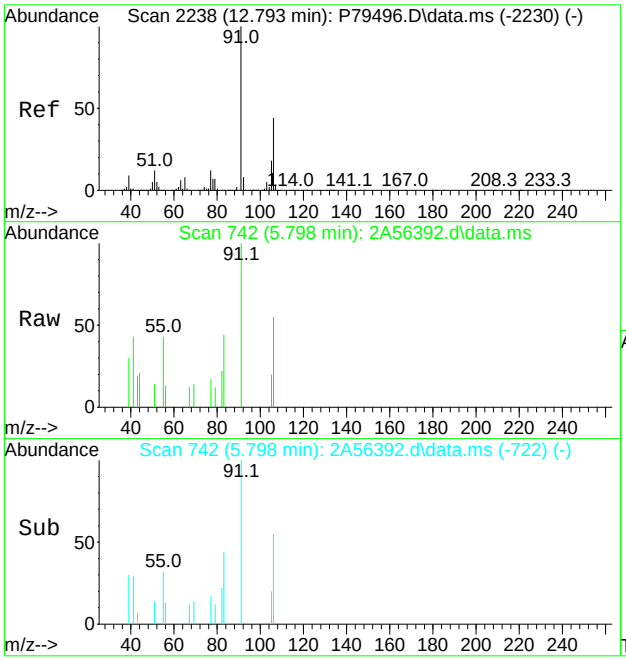


#80
m,p-Xylene
Concen: 0.2332 ug/L
RT: 5.498 min Scan# 703
Delta R.T. 0.000 min
Lab File: 2A56392.d
Acq: 28 Jun 2024 11:24 am

Tgt Ion: 91 Resp: 1224

Ion	Ratio	Lower	Upper
91	100		
106	45.6	23.2	83.2
105	26.4	0.0	54.5

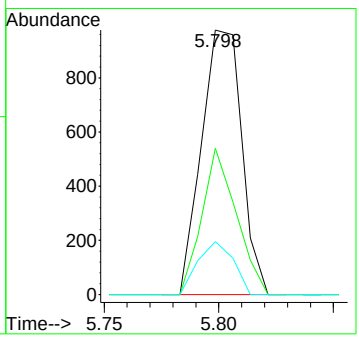


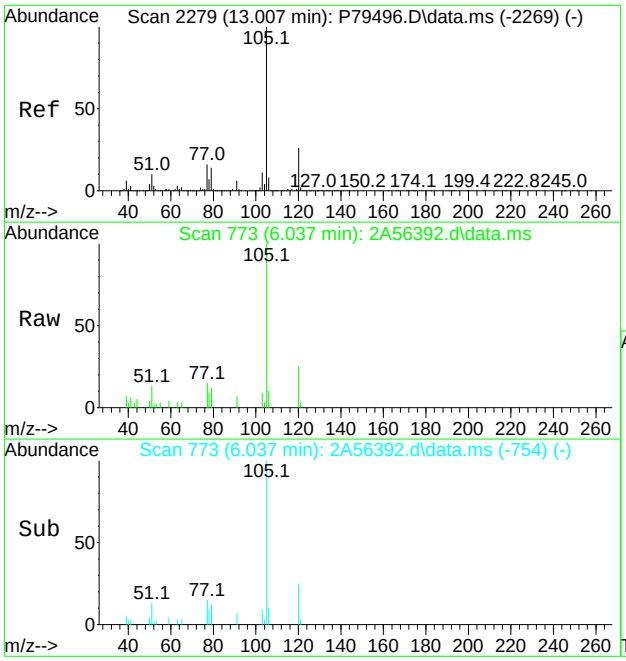


#81
o-Xylene
Concen: 0.2174 ug/L
RT: 5.798 min Scan# 742
Delta R.T. 0.000 min
Lab File: 2A56392.d
Acq: 28 Jun 2024 11:24 am

Tgt Ion: 91 Resp: 1195

Ion	Ratio	Lower	Upper
91	100		
106	55.3	21.1	81.1
105	20.0	0.0	51.5

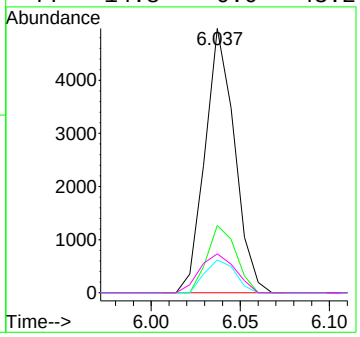


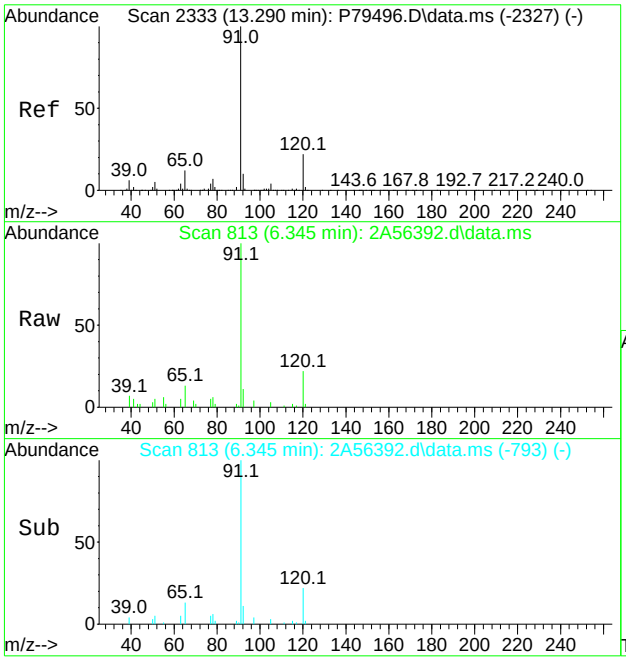


#84
Isopropylbenzene
Concen: 0.8891 ug/L
RT: 6.037 min Scan# 773
Delta R.T. 0.000 min
Lab File: 2A56392.d
Acq: 28 Jun 2024 11:24 am

Tgt Ion:105 Resp: 5755

Ion	Ratio	Lower	Upper
105	100		
120	25.5	0.0	57.9
79	12.4	0.0	41.6
77	14.8	0.0	43.2

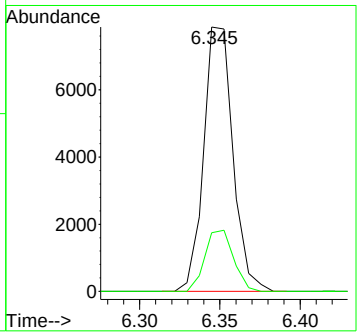


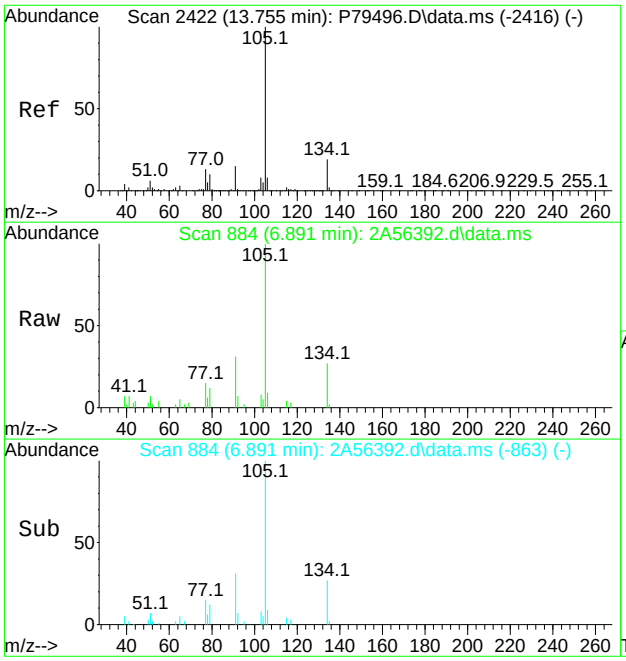


#88
n-Propylbenzene
Concen: 1.2541 ug/L
RT: 6.345 min Scan# 813
Delta R.T. 0.001 min
Lab File: 2A56392.d
Acq: 28 Jun 2024 11:24 am

Tgt Ion: 91 Resp: 9996

Ion	Ratio	Lower	Upper
91	100		
120	22.2	0.0	58.2

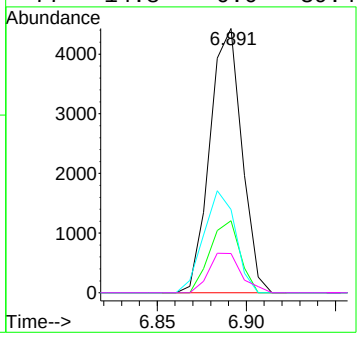


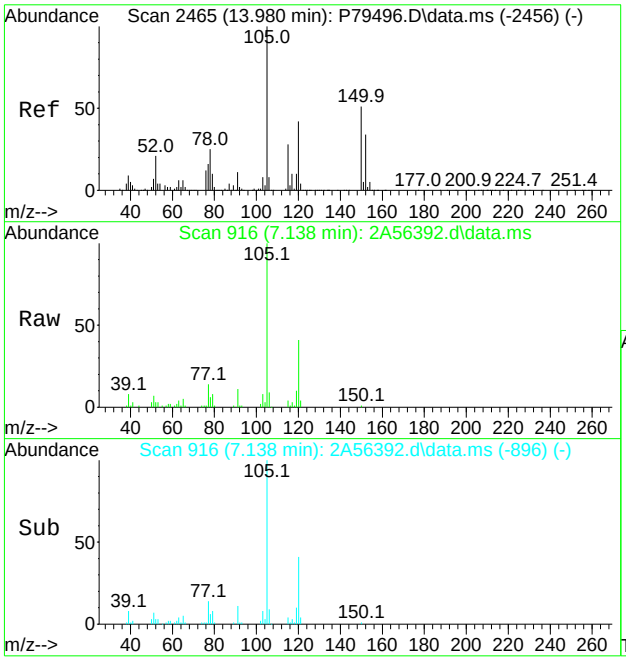


#100
sec-Butylbenzene
Concen: 0.8120 ug/L
RT: 6.891 min Scan# 884
Delta R.T. 0.008 min
Lab File: 2A56392.d
Acq: 28 Jun 2024 11:24 am

Tgt Ion:105 Resp: 5567

Ion	Ratio	Lower	Upper
105	100		
134	27.2	0.0	53.2
91	31.5	0.0	44.4
77	14.8	0.0	39.4

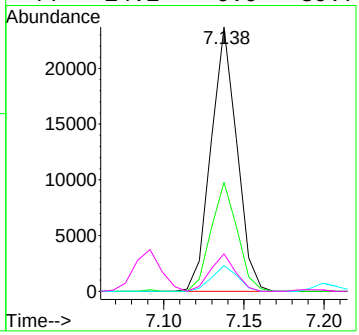


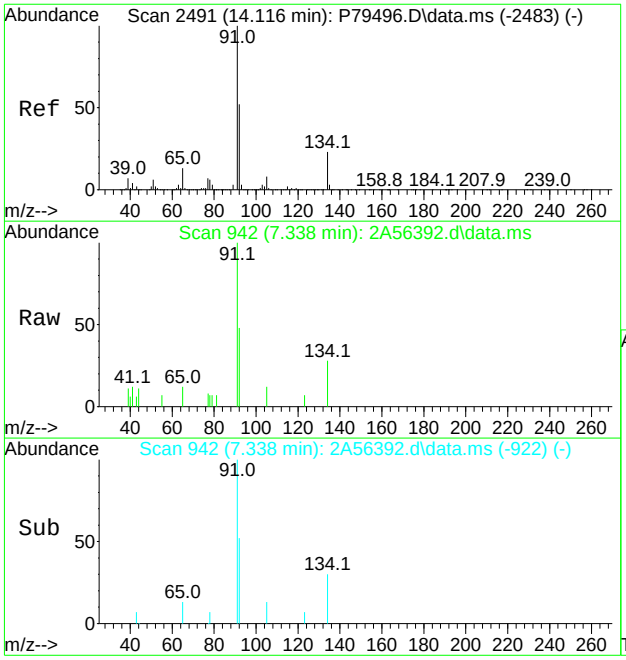


#103
1,2,3-Trimethylbenzene
Concen: 5.2997 ug/L
RT: 7.138 min Scan# 916
Delta R.T. 0.001 min
Lab File: 2A56392.d
Acq: 28 Jun 2024 11:24 am

Tgt Ion:105 Resp: 26597

Ion	Ratio	Lower	Upper
105	100		
120	41.2	14.0	74.0
119	9.8	0.0	40.1
77	14.2	0.0	39.7

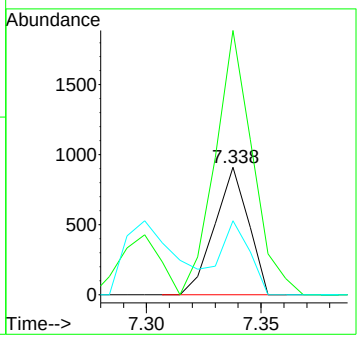


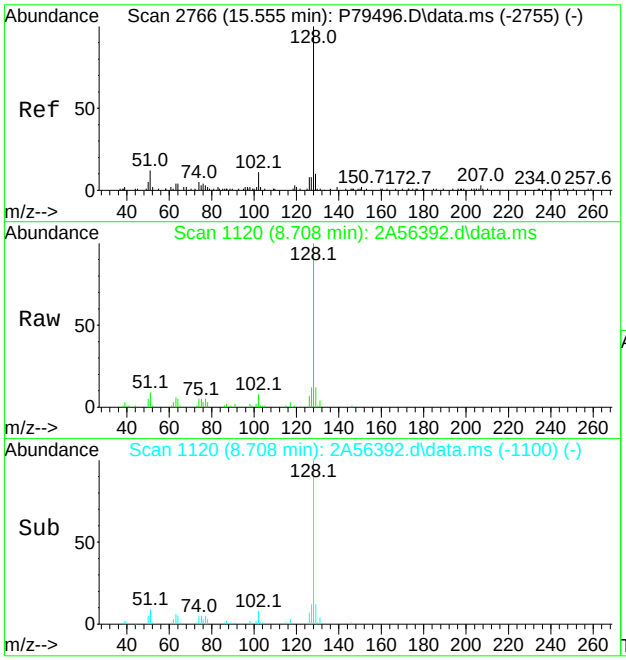


#105
n-Butylbenzene
Concen: 0.3523 ug/L
RT: 7.338 min Scan# 942
Delta R.T. 0.001 min
Lab File: 2A56392.d
Acq: 28 Jun 2024 11:24 am

Tgt Ion: 92 Resp: 938

Ion	Ratio	Lower	Upper
92	100		
91	194.4	154.4	214.4
134	58.1	30.2	90.2

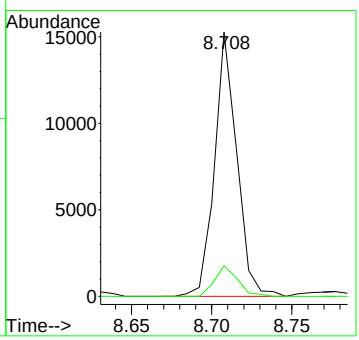




#111
Naphthalene
Concen: 3.3634 ug/L
RT: 8.708 min Scan# 1120
Delta R.T. 0.001 min
Lab File: 2A56392.d
Acq: 28 Jun 2024 11:24 am

Tgt Ion:128 Resp: 14743

Ion	Ratio	Lower	Upper
128	100		
127	11.5	0.0	42.8



Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
07/01/24 08:02

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\V2A1914\
Data File : 2A56397.d
Acq On : 28 Jun 2024 1:24 pm
Operator : lianatr
Sample : FC16676-8 Inst : MSVOA17
Misc : MS56930,V2A1914,,,,,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jul 01 05:52:07 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration

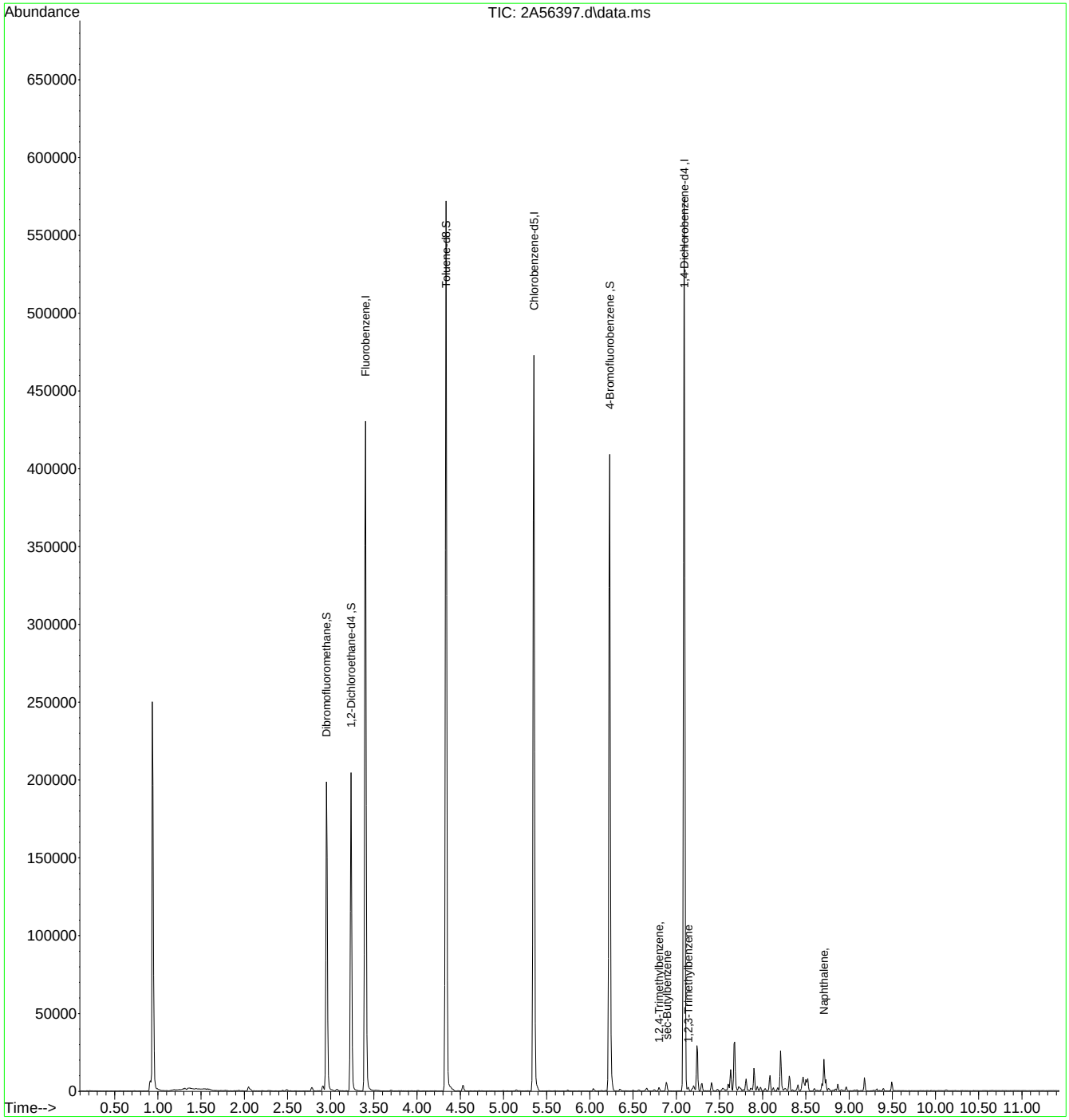
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.405	96	238332	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.352	117	181123	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.091	152	105991	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	2.951	113	70448	51.20	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.40%			
49) 1,2-Dichloroethane-d4	3.235	65	82920	50.27	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 100.54%			
63) Toluene-d8	4.336	98	243449	49.58	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 99.16%			
86) 4-Bromofluorobenzene	6.229	174	82987	49.47	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.94%			
Target Compounds						Qvalue
98) 1,2,4-Trimethylbenzene	6.799	105	1099	0.2213	ug/L	92
100) sec-Butylbenzene	6.891	105	1796m	0.2671	ug/L	
103) 1,2,3-Trimethylbenzene	7.138	105	1310	0.2662	ug/L	83
111) Naphthalene	8.708	128	8946	2.0811	ug/L	97

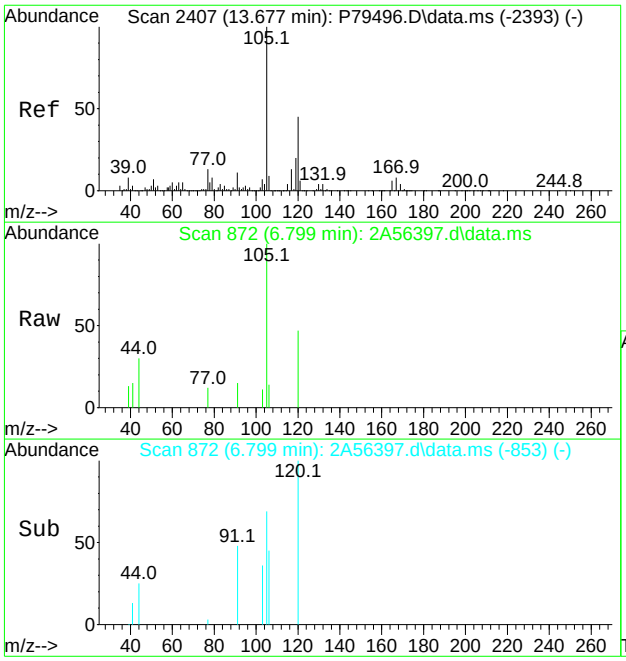
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\V2A1914\
Data File : 2A56397.d
Acq On : 28 Jun 2024 1:24 pm
Operator : lianatr
Sample : FC16676-8 Inst : MSVOA17
Misc : MS56930,V2A1914,,,,,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jul 01 05:52:07 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration

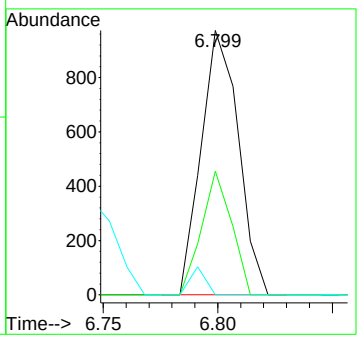


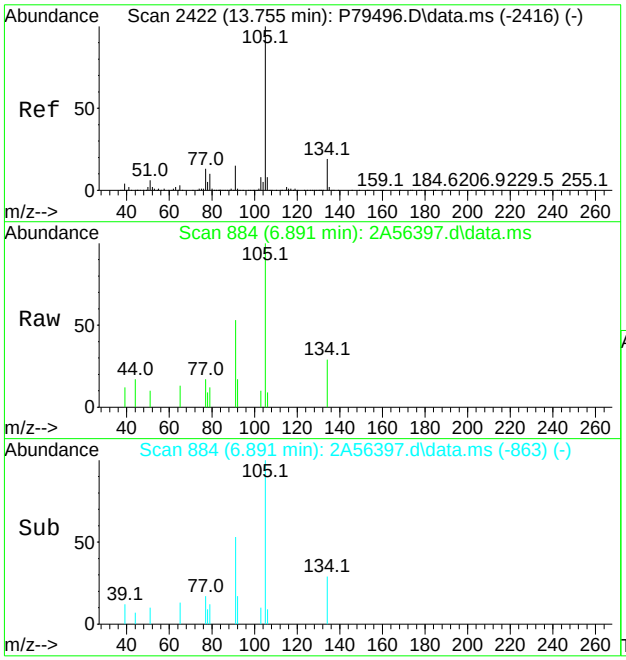


#98
1,2,4-Trimethylbenzene
Concen: 0.2213 ug/L
RT: 6.799 min Scan# 872
Delta R.T. -0.000 min
Lab File: 2A56397.d
Acq: 28 Jun 2024 1:24 pm

Tgt Ion:105 Resp: 1099

Ion	Ratio	Lower	Upper
105	100		
120	46.8	18.1	78.1
119	0.0	0.0	42.3

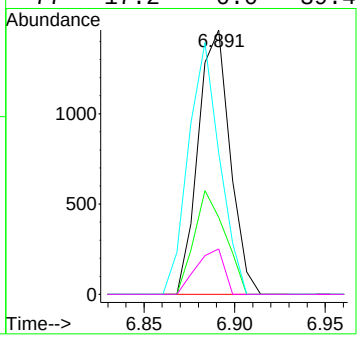


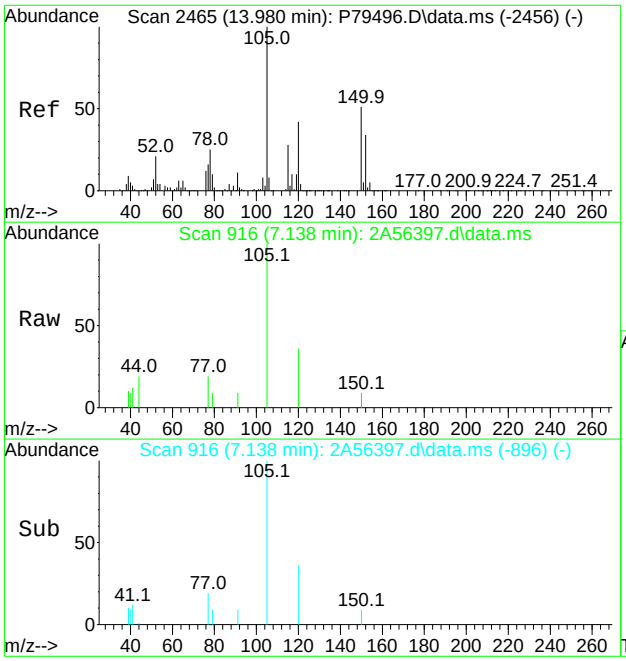


#100
sec-Butylbenzene
Concen: 0.2671 ug/L m
RT: 6.891 min Scan# 884
Delta R.T. 0.008 min
Lab File: 2A56397.d
Acq: 28 Jun 2024 1:24 pm

Tgt Ion:105 Resp: 1796

Ion	Ratio	Lower	Upper
105	100		
134	29.2	0.0	53.2
91	53.5	0.0	44.4#
77	17.2	0.0	39.4

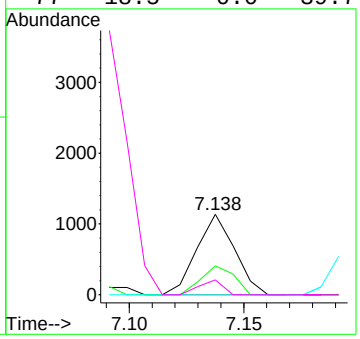


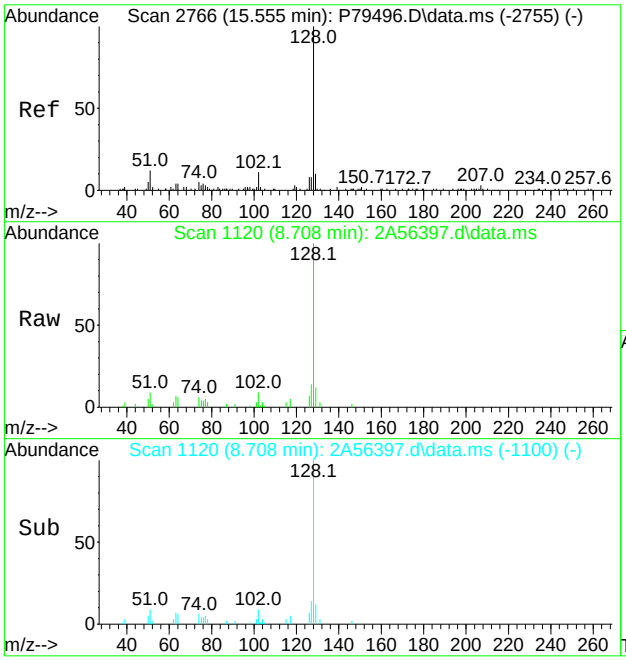


#103
1,2,3-Trimethylbenzene
Concen: 0.2662 ug/L
RT: 7.138 min Scan# 916
Delta R.T. 0.001 min
Lab File: 2A56397.d
Acq: 28 Jun 2024 1:24 pm

Tgt Ion:105 Resp: 1310

Ion	Ratio	Lower	Upper
105	100		
120	35.9	14.0	74.0
119	0.0	0.0	40.1
77	18.5	0.0	39.7

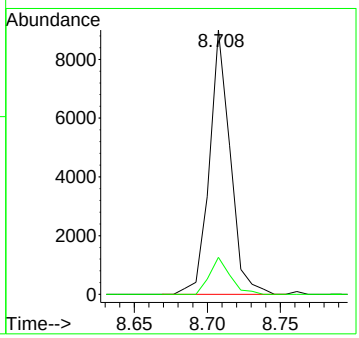




#111
Naphthalene
Concen: 2.0811 ug/L
RT: 8.708 min Scan# 1120
Delta R.T. 0.001 min
Lab File: 2A56397.d
Acq: 28 Jun 2024 1:24 pm

Tgt Ion:128 Resp: 8946

Ion	Ratio	Lower	Upper
128	100		
127	14.1	0.0	42.8



Manual Integration Approval Summary

Sample Number: FC16676-8
Lab FileID: 2A56397.D
Injection Time: 06/28/24 13:24

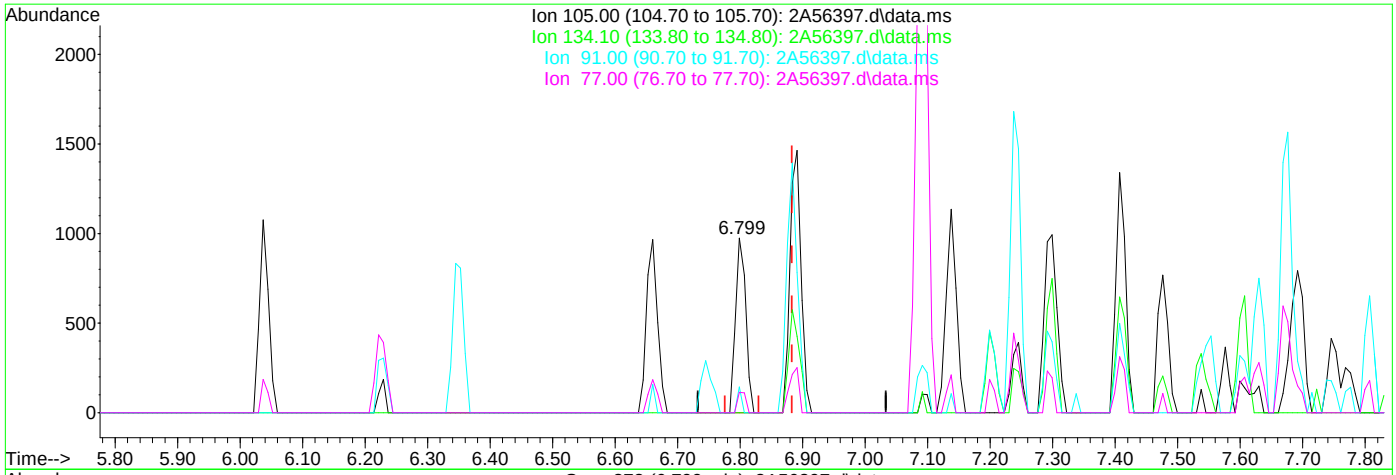
Method: SW846 8260D
Analyst approved: 07/01/24 02:11 Lotus Acosta
Supervisor approved: 07/01/24 08:02 Karen Watson

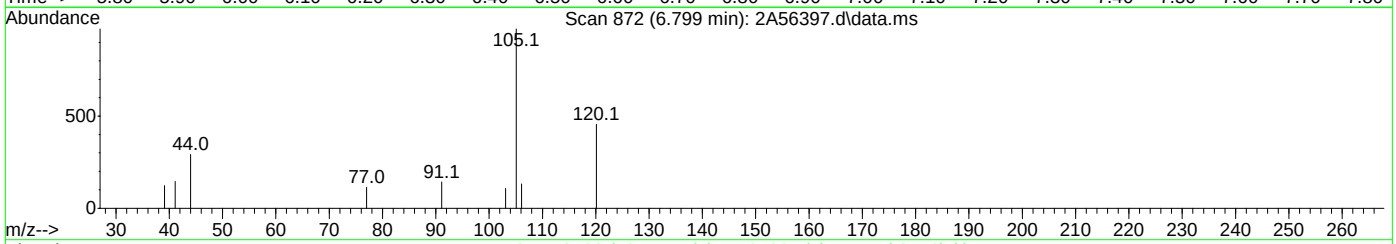
Parameter	CAS	Sig#	R.T. (min.)	Reason
sec-Butylbenzene	135-98-8		6.89	Missed peak

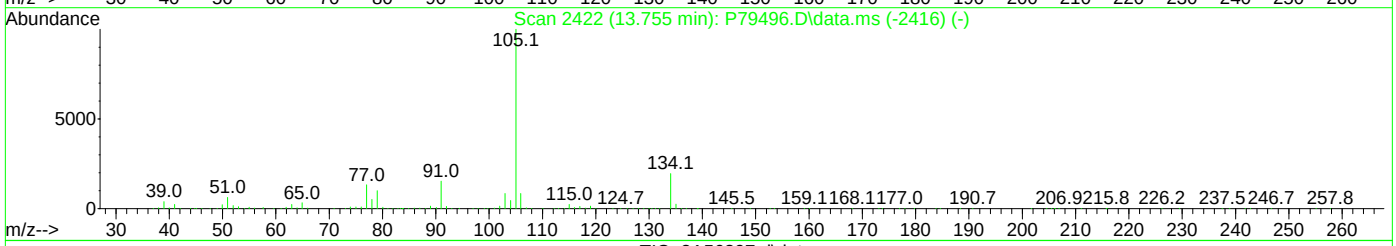
Quantitation Report (Qedit)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\V2A1914\
Data File : 2A56397.d
Acq On : 28 Jun 2024 1:24 pm
Operator : lianatr
Sample : FC16676-8 Inst : MSVOA17
Misc : MS56930,V2A1914,,,,,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jul 01 05:00:52 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration







TIC: 2A56397.d\data.ms

(100) sec-Butylbenzene

6.799min (-0.084) 0.16ug/L

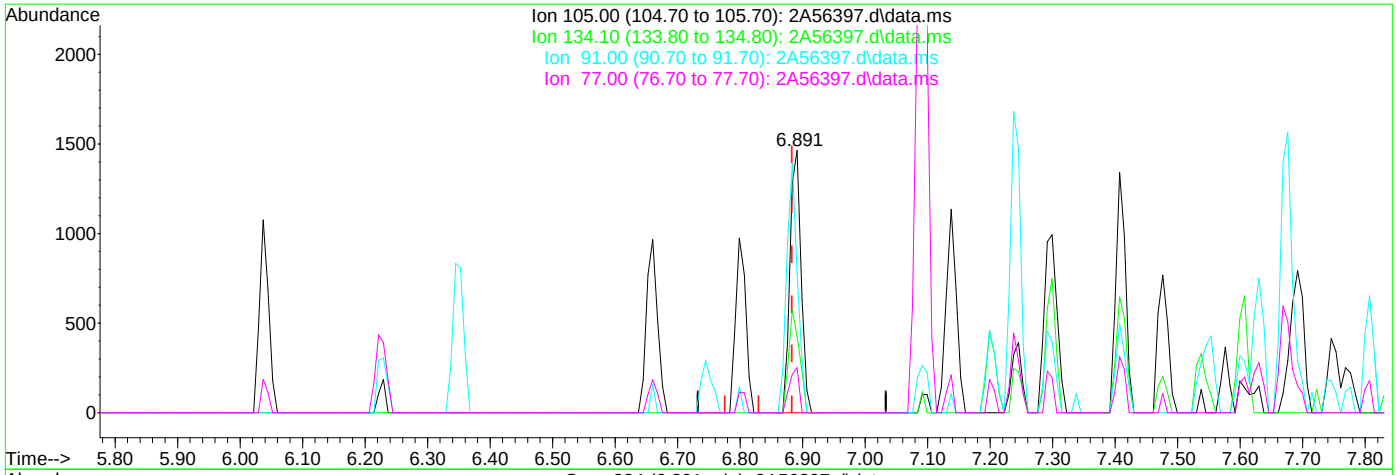
response 1099

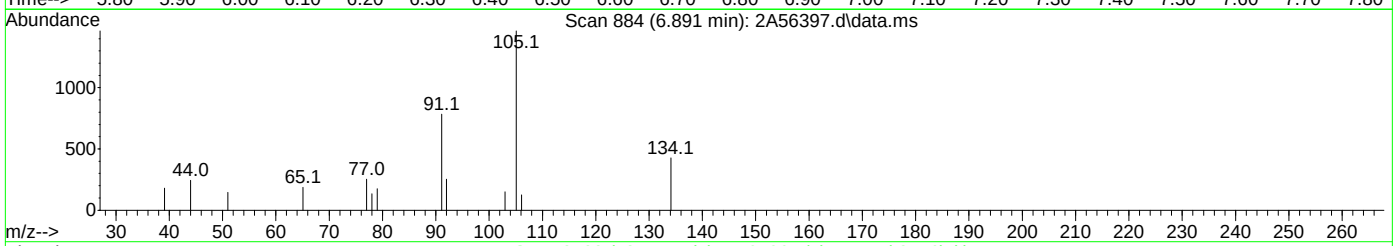
Ion	Exp%	Act%
105.00	100	100
134.10	23.20	0.00
91.00	14.40	14.68
77.00	9.40	11.60

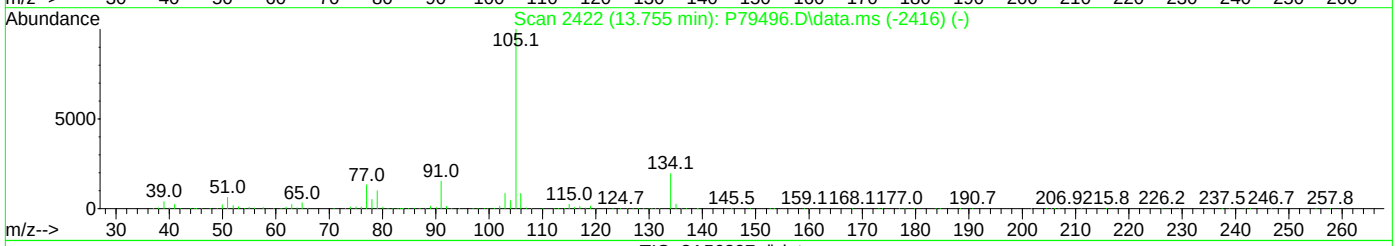
Quantitation Report (Qedit)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\V2A1914\
Data File : 2A56397.d
Acq On : 28 Jun 2024 1:24 pm
Operator : lianatr
Sample : FC16676-8 Inst : MSVOA17
Misc : MS56930,V2A1914,,,,,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jul 01 05:00:52 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration







TIC: 2A56397.d\data.ms

(100) sec-Butylbenzene

6.891min (+0.008) 0.27ug/L m

response 1796

Ion	Exp%	Act%
105.00	100	100
134.10	23.20	29.17
91.00	14.40	53.48#
77.00	9.40	17.21

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\V2A1914\
Data File : 2A56398.d
Acq On : 28 Jun 2024 1:48 pm
Operator : lianatr
Sample : FC16676-9 Inst : MSVOA17
Misc : MS56930,V2A1914,,,,,
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jul 01 05:52:46 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration

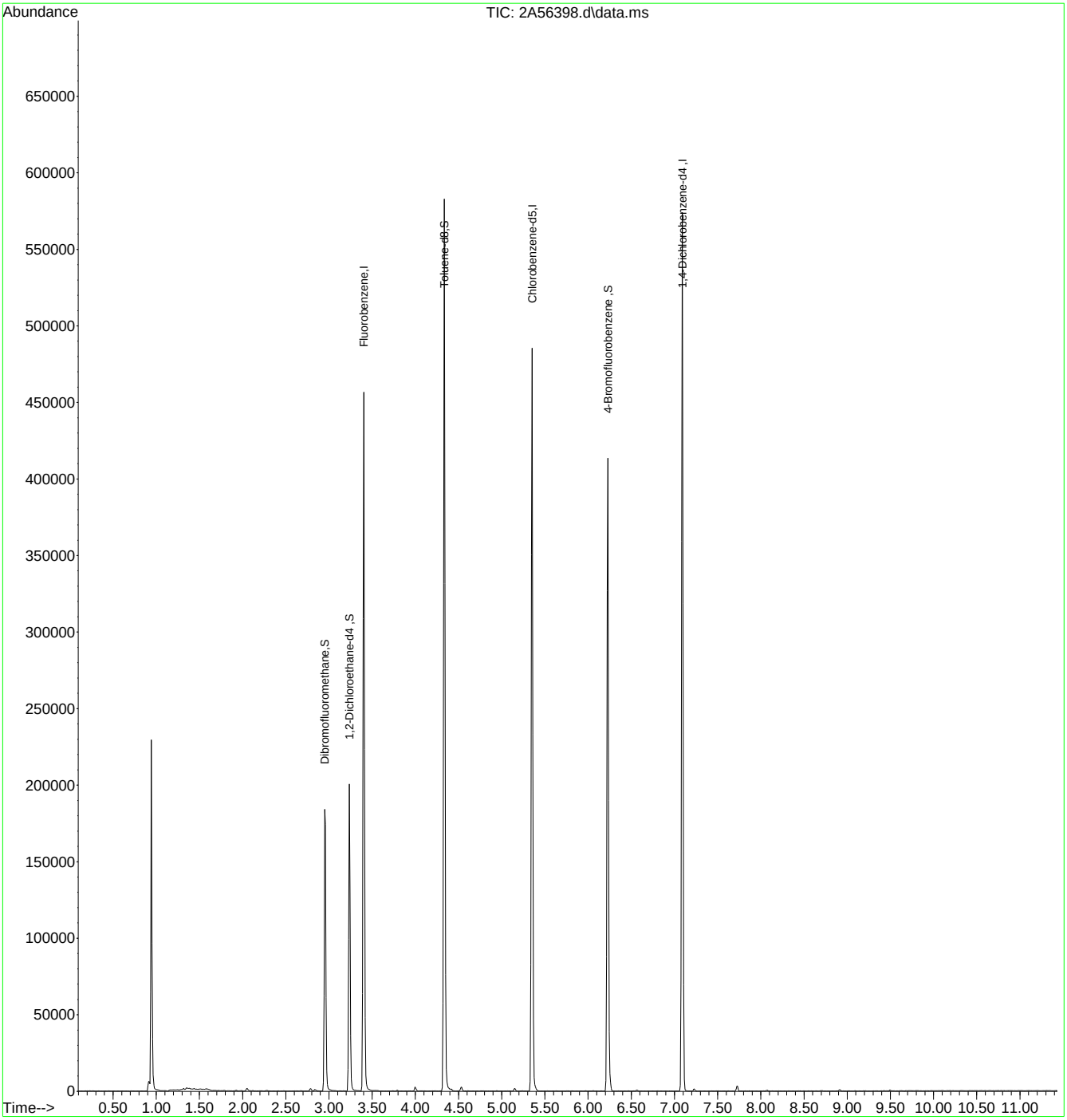
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.405	96	240025	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.352	117	183092	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.091	152	107183	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	2.951	113	70885	51.15	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.30%			
49) 1,2-Dichloroethane-d4	3.235	65	83888	50.50	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 101.00%			
63) Toluene-d8	4.336	98	245086	49.38	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 98.76%			
86) 4-Bromofluorobenzene	6.229	174	83453	49.20	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.40%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\V2A1914\
Data File : 2A56398.d
Acq On : 28 Jun 2024 1:48 pm
Operator : lianatr
Sample : FC16676-9 Inst : MSVOA17
Misc : MS56930,V2A1914,,,,,
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jul 01 05:52:46 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\V2A1914\
Data File : 2A56399.d
Acq On : 28 Jun 2024 2:12 pm
Operator : lianatr
Sample : FC16676-10 Inst : MSVOA17
Misc : MS56930,V2A1914,,,,,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jul 01 05:53:52 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration

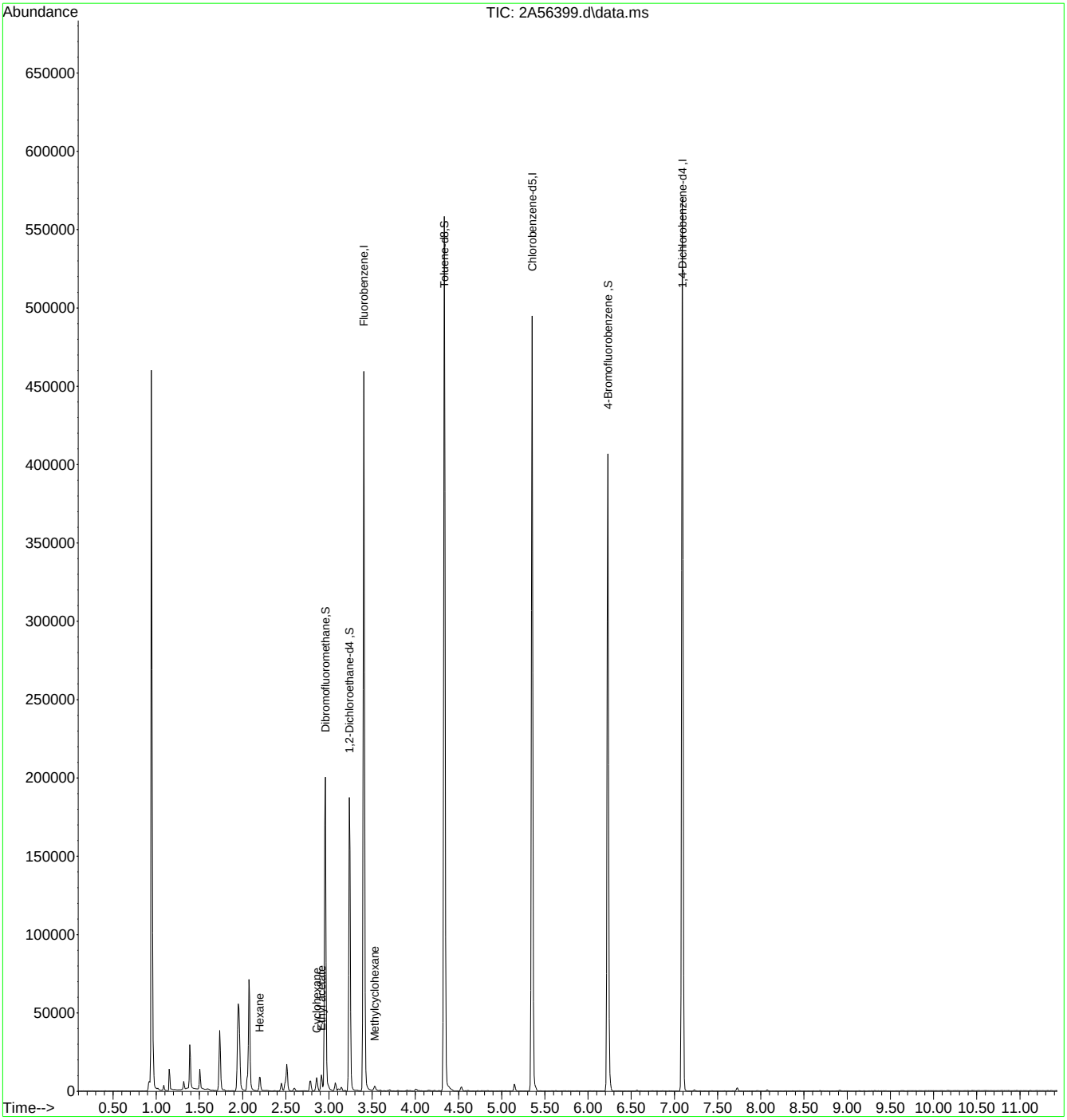
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.405	96	237886	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.352	117	181341	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.091	152	105984	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	2.958	113	70042	51.00	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.00%			
49) 1,2-Dichloroethane-d4	3.235	65	82549	50.14	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 100.28%			
63) Toluene-d8	4.336	98	243325	49.50	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 99.00%			
86) 4-Bromofluorobenzene	6.229	174	81956	48.86	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.72%			
Target Compounds						Qvalue
22) Hexane	2.196	56	1503	1.3733	ug/L #	79
35) Cyclohexane	2.858	56	1655	0.7601	ug/L #	60
37) Ethyl acetate	2.912	43	2440	1.5616	ug/L	70
54) Methylcyclohexane	3.528	83	650	0.3061	ug/L #	60

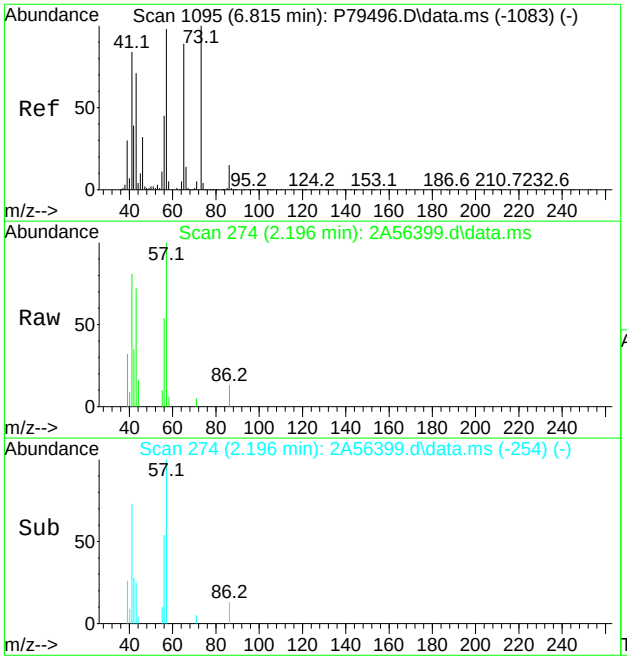
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\V2A1914\
Data File : 2A56399.d
Acq On : 28 Jun 2024 2:12 pm
Operator : lianatr
Sample : FC16676-10 Inst : MSVOA17
Misc : MS56930,V2A1914,,,,,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jul 01 05:53:52 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration

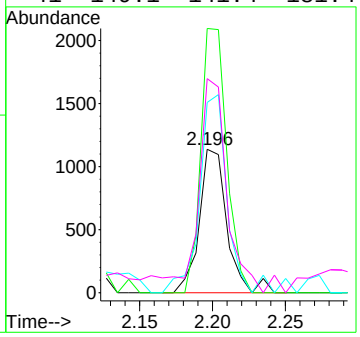


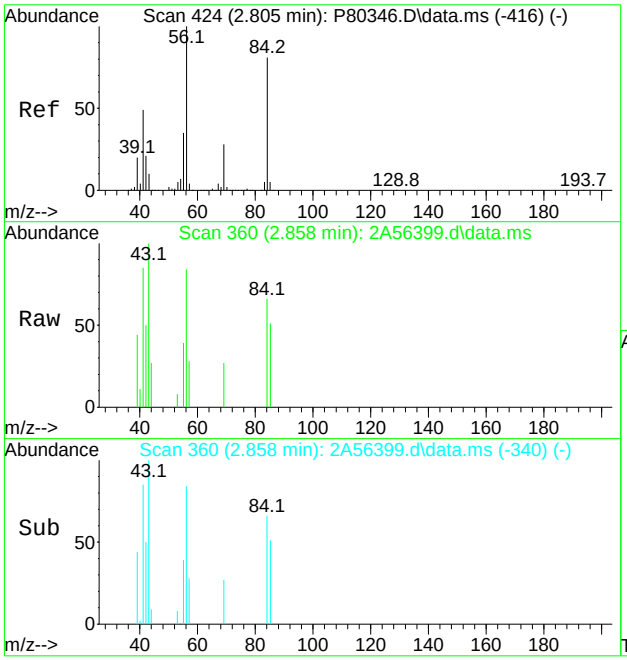


#22
Hexane
Concen: 1.3733 ug/L
RT: 2.196 min Scan# 274
Delta R.T. 0.000 min
Lab File: 2A56399.d
Acq: 28 Jun 2024 2:12 pm

Tgt Ion: 56 Resp: 1503

Ion	Ratio	Lower	Upper
56	100		
57	184.1	226.9	266.9#
43	132.6	123.5	163.5
41	149.1	141.4	181.4

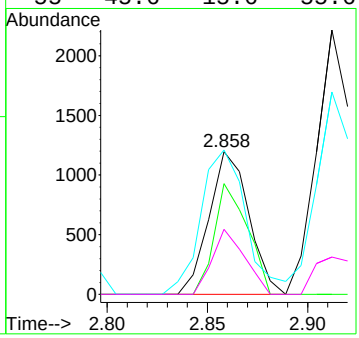


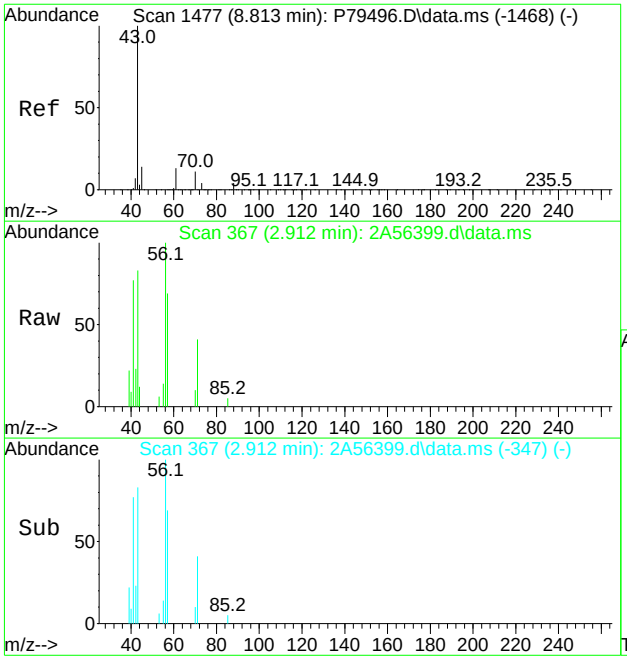


#35
Cyclohexane
Concen: 0.7601 ug/L
RT: 2.858 min Scan# 360
Delta R.T. 0.000 min
Lab File: 2A56399.d
Acq: 28 Jun 2024 2:12 pm

Tgt Ion: 56 Resp: 1655

Ion	Ratio	Lower	Upper
56	100		
84	77.6	84.9	124.9#
41	101.2	22.8	62.8#
55	45.6	15.6	55.6

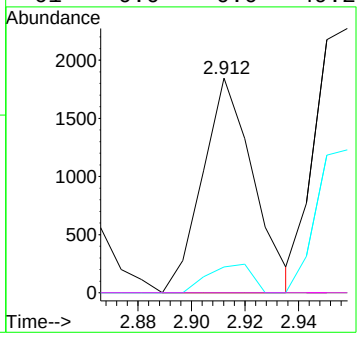


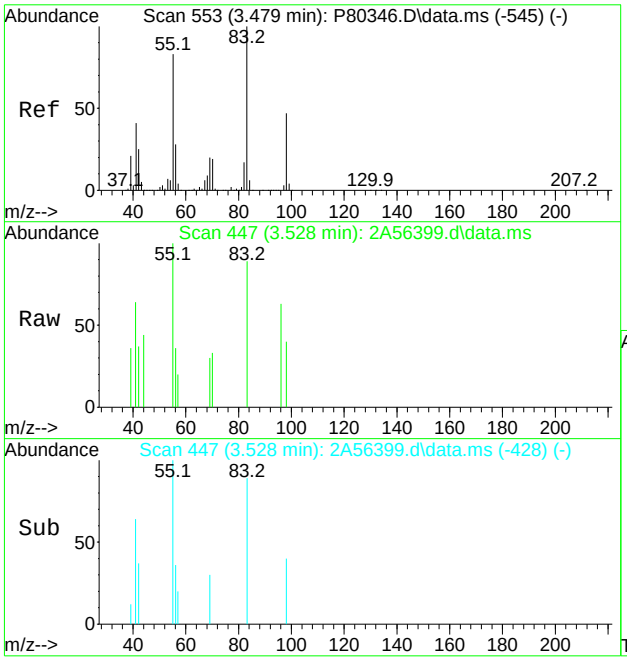


#37
Ethyl acetate
Concen: 1.5616 ug/L
RT: 2.912 min Scan# 367
Delta R.T. 0.000 min
Lab File: 2A56399.d
Acq: 28 Jun 2024 2:12 pm

Tgt Ion: 43 Resp: 2440

Ion	Ratio	Lower	Upper
43	100		
45	0.0	0.0	45.2
70	12.1	0.0	47.0
61	0.0	0.0	49.2

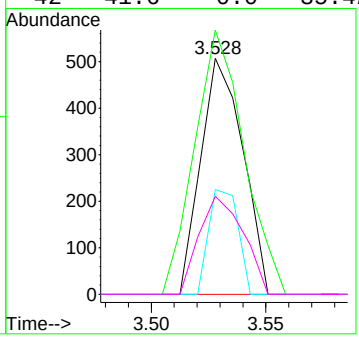




#54
Methylcyclohexane
Concen: 0.3061 ug/L
RT: 3.528 min Scan# 447
Delta R.T. -0.000 min
Lab File: 2A56399.d
Acq: 28 Jun 2024 2:12 pm

Tgt Ion: 83 Resp: 650

Ion	Ratio	Lower	Upper
83	100		
55	112.0	45.2	85.2#
98	44.4	28.6	68.6
42	41.6	0.0	35.4#



Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\V2A1914\
Data File : 2A56400.d
Acq On : 28 Jun 2024 2:36 pm
Operator : lianatr
Sample : FC16676-11 Inst : MSVOA17
Misc : MS56930,V2A1914,,,,,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jul 01 05:54:20 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration

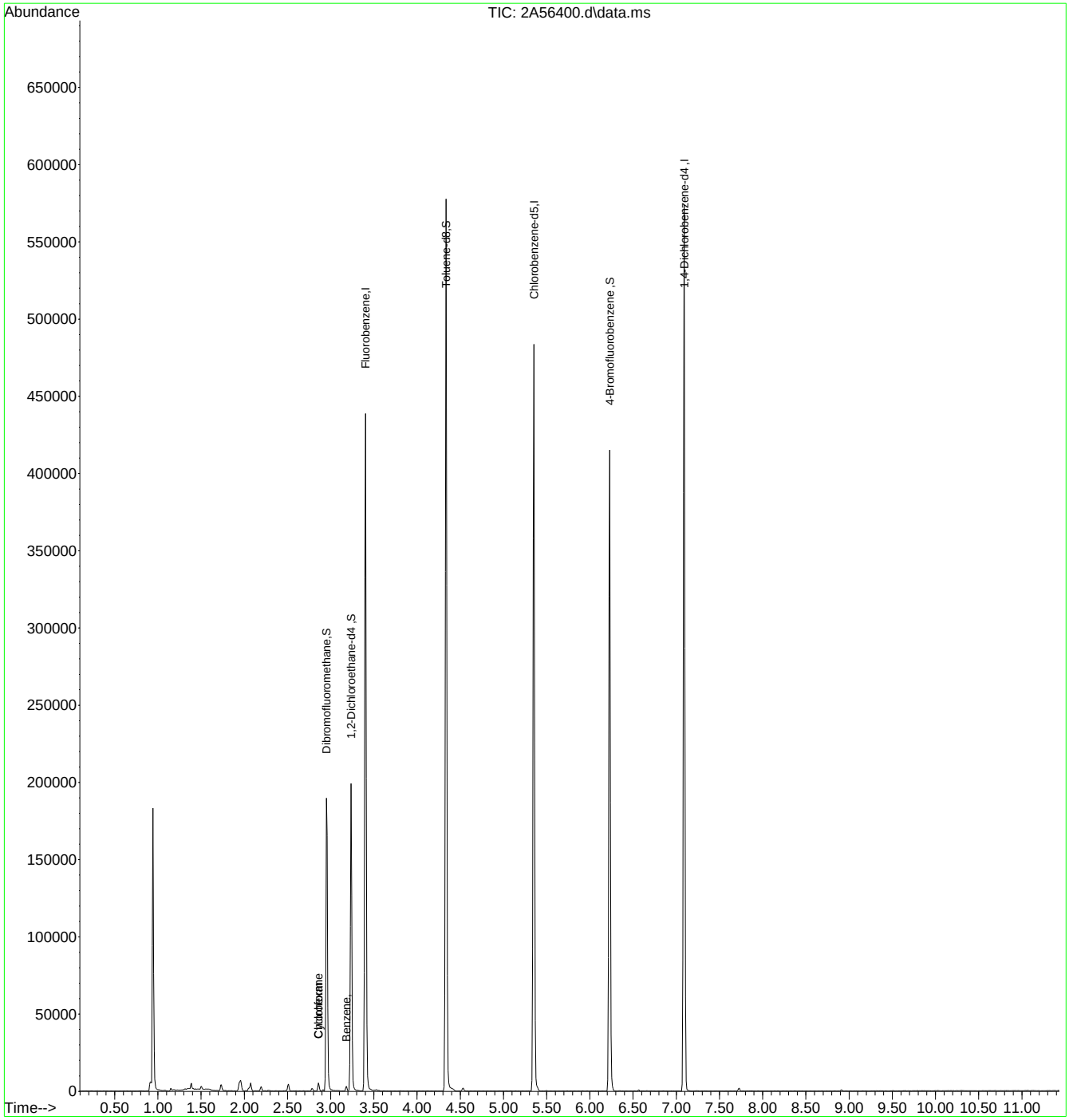
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.405	96	237598	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.352	117	182862	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.091	152	106724	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	2.951	113	70405	51.32	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.64%			
49) 1,2-Dichloroethane-d4	3.235	65	83374	50.70	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 101.40%			
63) Toluene-d8	4.336	98	244616	49.35	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 98.70%			
86) 4-Bromofluorobenzene	6.229	174	83276	49.30	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.60%			
Target Compounds						Qvalue
35) Cyclohexane	2.858	56	730	0.3357	ug/L #	78
36) Chloroform	2.858	83	1082	0.4991	ug/L	77
47) Benzene	3.182	78	1731	0.3603	ug/L	91

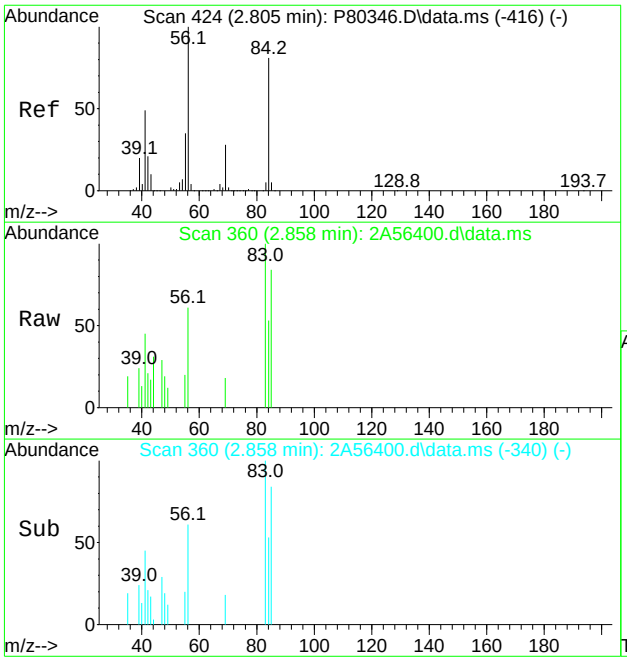
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\V2A1914\
Data File : 2A56400.d
Acq On : 28 Jun 2024 2:36 pm
Operator : lianatr
Sample : FC16676-11 Inst : MSVOA17
Misc : MS56930,V2A1914,,,,,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jul 01 05:54:20 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration

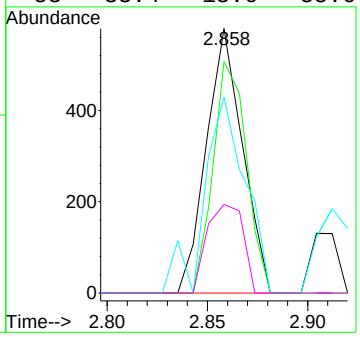


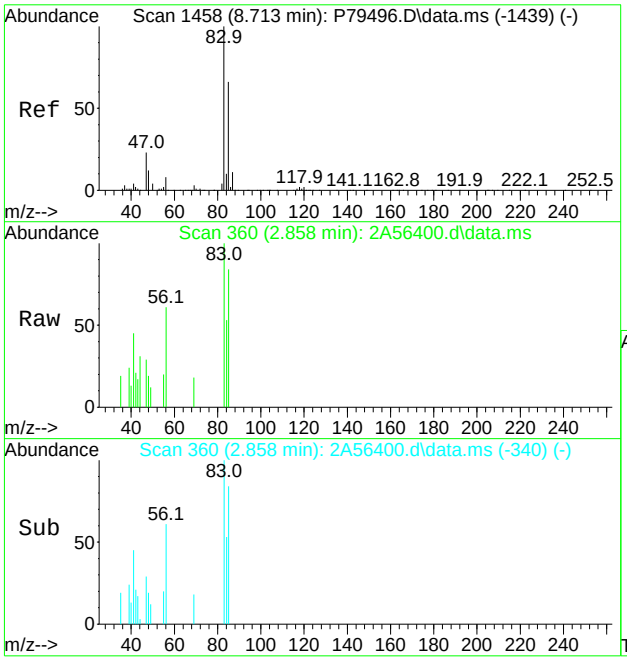


#35
Cyclohexane
Concen: 0.3357 ug/L
RT: 2.858 min Scan# 360
Delta R.T. 0.000 min
Lab File: 2A56400.d
Acq: 28 Jun 2024 2:36 pm

Tgt Ion: 56 Resp: 730

Ion	Ratio	Lower	Upper
56	100		
84	87.4	84.9	124.9
41	74.0	22.8	62.8#
55	33.4	15.6	55.6

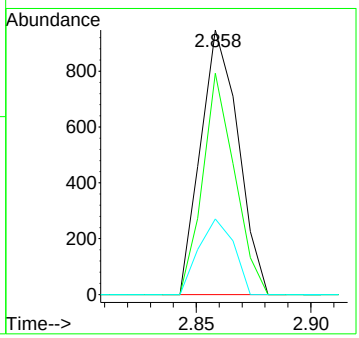


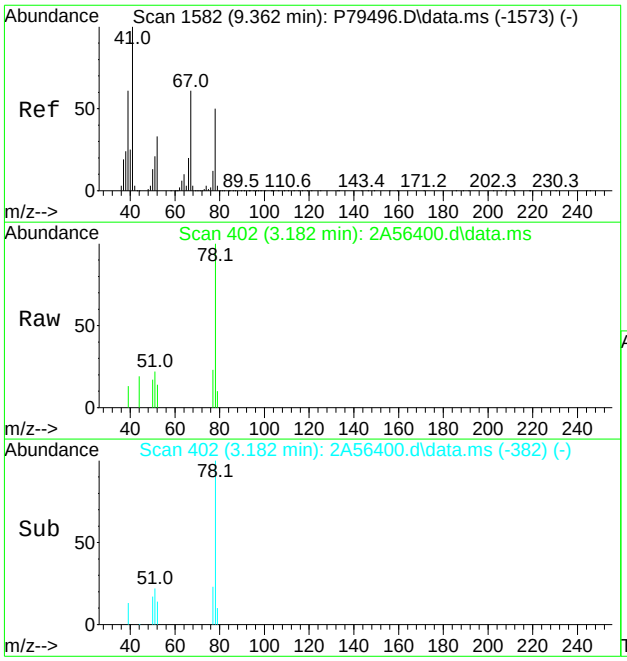


#36
Chloroform
Concen: 0.4991 ug/L
RT: 2.858 min Scan# 360
Delta R.T. 0.000 min
Lab File: 2A56400.d
Acq: 28 Jun 2024 2:36 pm

Tgt Ion: 83 Resp: 1082

Ion	Ratio	Lower	Upper
83	100		
85	83.6	36.7	96.7
47	28.6	0.0	46.3

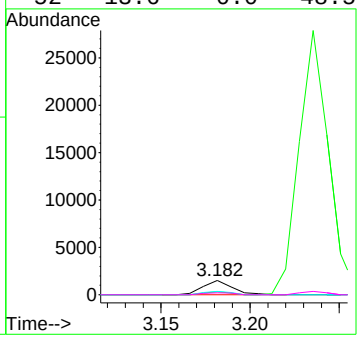




#47
Benzene
Concen: 0.3603 ug/L
RT: 3.182 min Scan# 402
Delta R.T. 0.001 min
Lab File: 2A56400.d
Acq: 28 Jun 2024 2:36 pm

Tgt Ion: 78 Resp: 1731

Ion	Ratio	Lower	Upper
78	100		
51	22.3	0.0	43.6
77	23.1	0.0	52.8
52	13.6	0.0	48.5



Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\V2A1914\
Data File : 2A56401.d
Acq On : 28 Jun 2024 3:00 pm
Operator : lianatr
Sample : FC16676-12 Inst : MSVOA17
Misc : MS56930,V2A1914,,,,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jul 01 05:55:45 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration

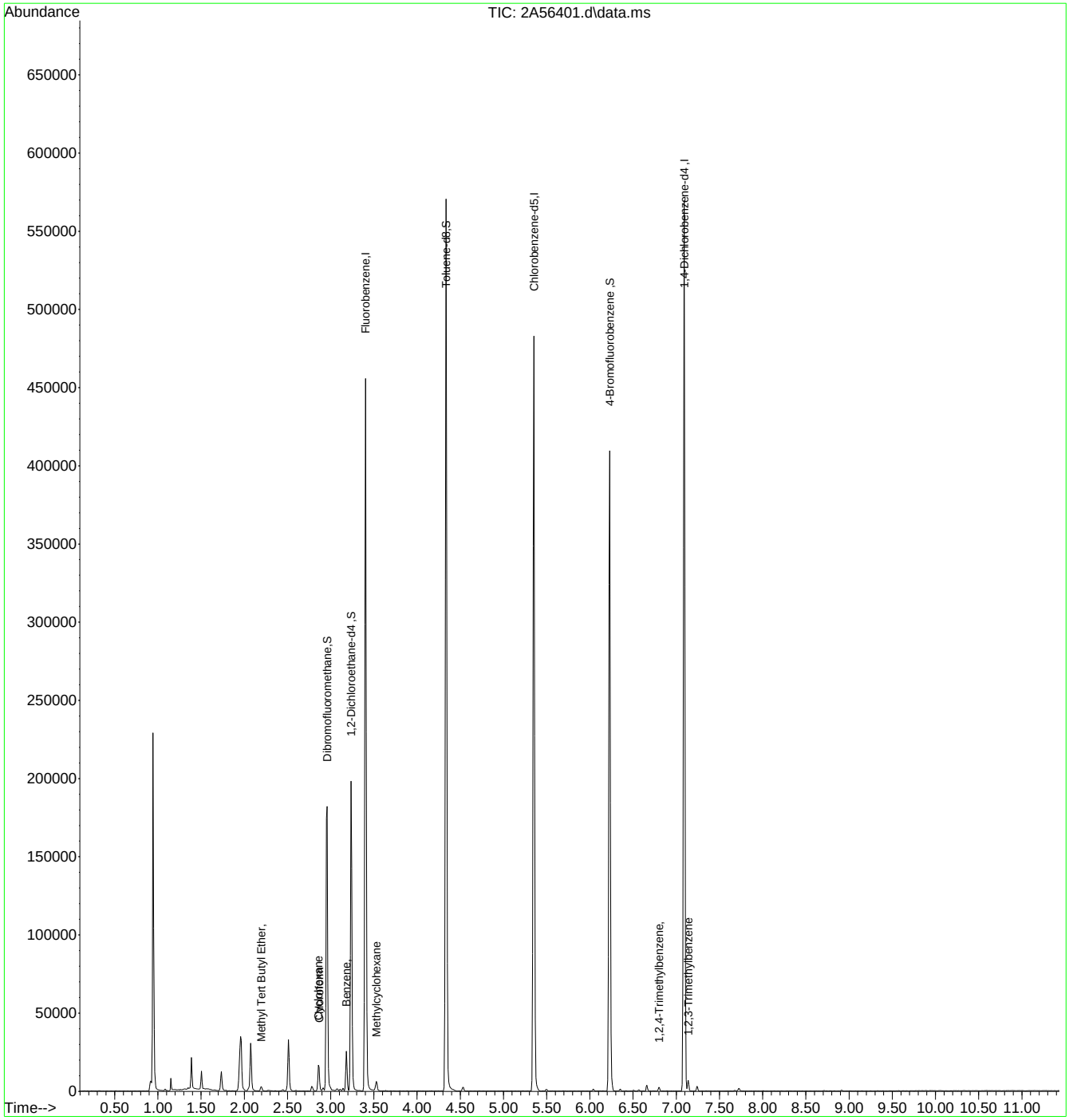
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.405	96	238701	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.352	117	181521	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.091	152	106658	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	2.958	113	71058	51.56	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 103.12%			
49) 1,2-Dichloroethane-d4	3.235	65	82823	50.14	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 100.28%			
63) Toluene-d8	4.336	98	244071	49.60	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 99.20%			
86) 4-Bromofluorobenzene	6.229	174	83062	49.21	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.42%			
Target Compounds						Qvalue
23) Methyl Tert Butyl Ether	2.196	73	703	0.2102	ug/L	68
35) Cyclohexane	2.858	56	4194	1.9197	ug/L #	81
36) Chloroform	2.866	83	1149	0.5276	ug/L	92
47) Benzene	3.182	78	12420	2.5732	ug/L	93
54) Methylcyclohexane	3.528	83	1521	0.7137	ug/L	78
98) 1,2,4-Trimethylbenzene	6.799	105	1372	0.2746	ug/L	99
103) 1,2,3-Trimethylbenzene	7.137	105	2932	0.5920	ug/L	93

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

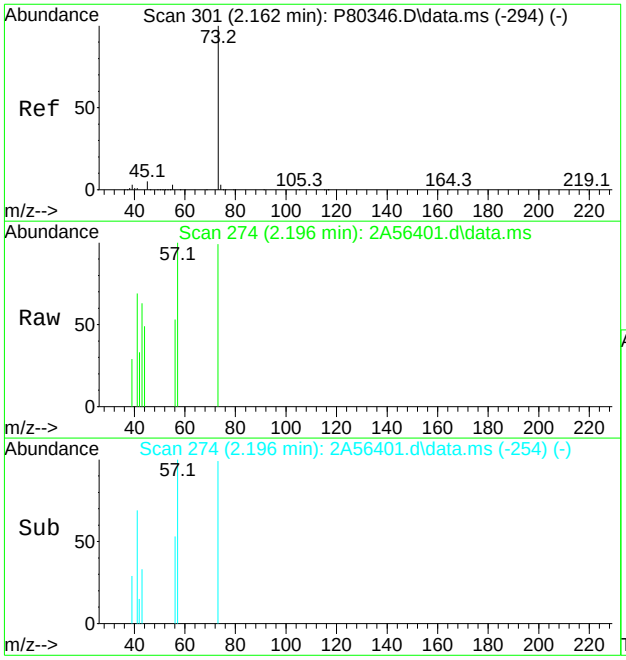
Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\V2A1914\
Data File : 2A56401.d
Acq On : 28 Jun 2024 3:00 pm
Operator : lianatr
Sample : FC16676-12 Inst : MSVOA17
Misc : MS56930,V2A1914,,,,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jul 01 05:55:45 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration



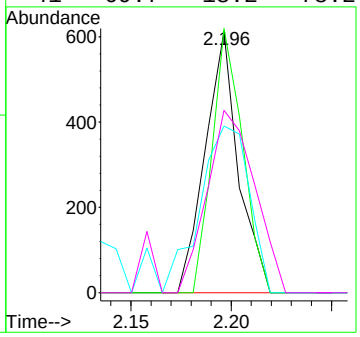
V2A1910_06252024.M Mon Jul 01 06:09:46 2024 Page: 2

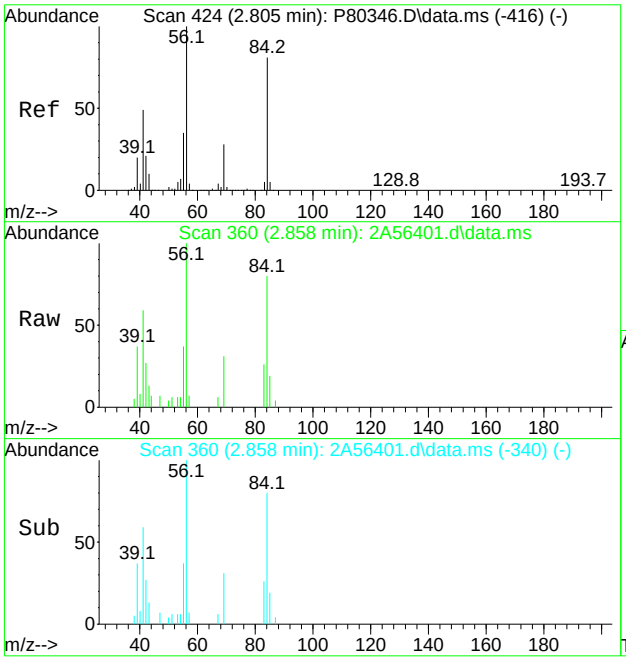


#23
Methyl Tert Butyl Ether
Concen: 0.2102 ug/L
RT: 2.196 min Scan# 274
Delta R.T. 0.000 min
Lab File: 2A56401.d
Acq: 28 Jun 2024 3:00 pm

Tgt Ion: 73 Resp: 703

Ion	Ratio	Lower	Upper
73	100		
57	101.0	43.8	103.8
43	63.7	13.0	73.0
41	69.7	18.2	78.2

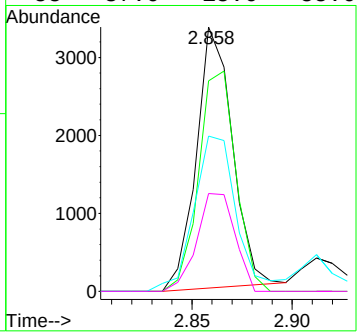


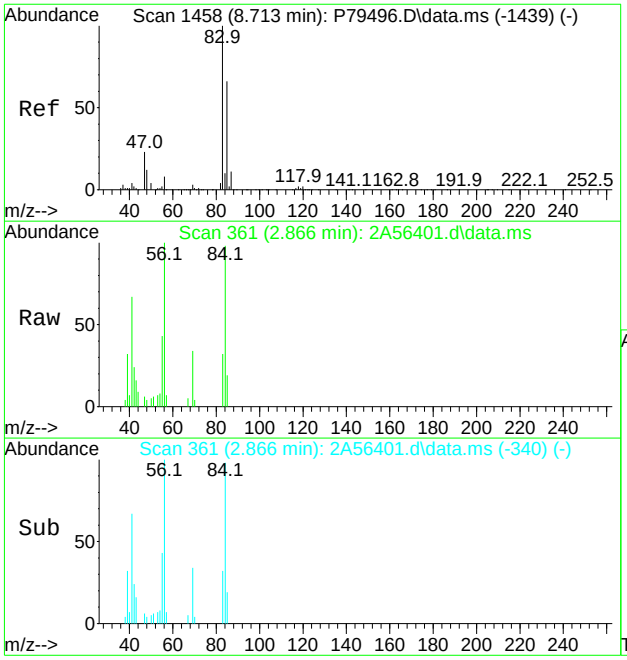


#35
Cyclohexane
Concen: 1.9197 ug/L
RT: 2.858 min Scan# 360
Delta R.T. 0.000 min
Lab File: 2A56401.d
Acq: 28 Jun 2024 3:00 pm

Tgt Ion: 56 Resp: 4194

Ion	Ratio	Lower	Upper
56	100		
84	79.6	84.9	124.9#
41	55.7	22.8	62.8
55	37.0	15.6	55.6

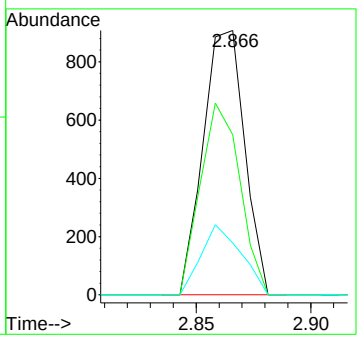


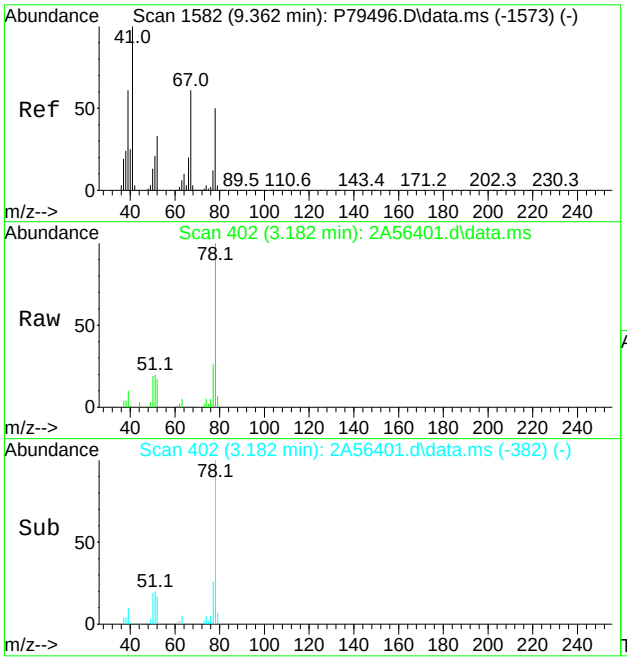


#36
Chloroform
Concen: 0.5276 ug/L
RT: 2.866 min Scan# 361
Delta R.T. 0.008 min
Lab File: 2A56401.d
Acq: 28 Jun 2024 3:00 pm

Tgt Ion: 83 Resp: 1149

Ion	Ratio	Lower	Upper
83	100		
85	60.6	36.7	96.7
47	19.6	0.0	46.3

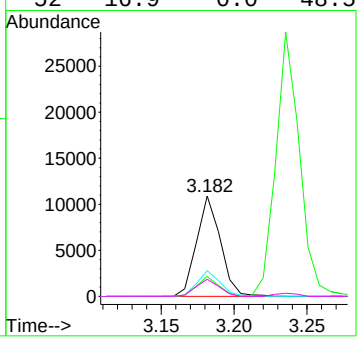


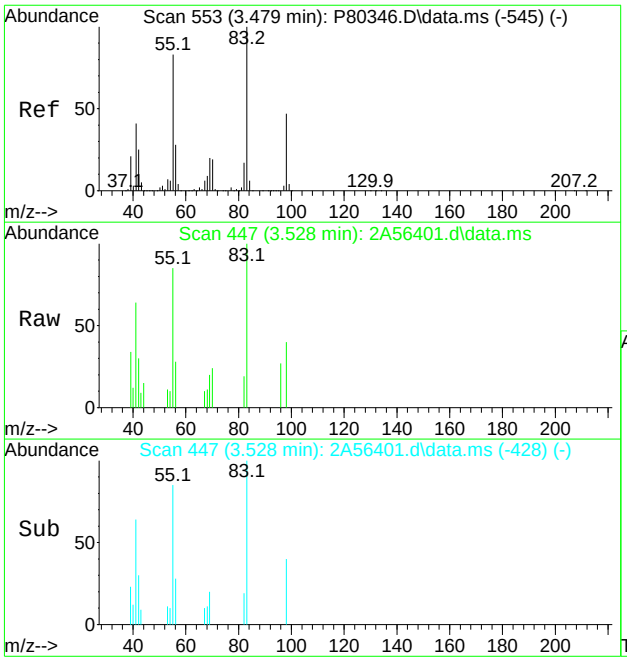


#47
Benzene
Concen: 2.5732 ug/L
RT: 3.182 min Scan# 402
Delta R.T. 0.001 min
Lab File: 2A56401.d
Acq: 28 Jun 2024 3:00 pm

Tgt Ion: 78 Resp: 12420

Ion	Ratio	Lower	Upper
78	100		
51	19.9	0.0	43.6
77	25.6	0.0	52.8
52	16.9	0.0	48.5

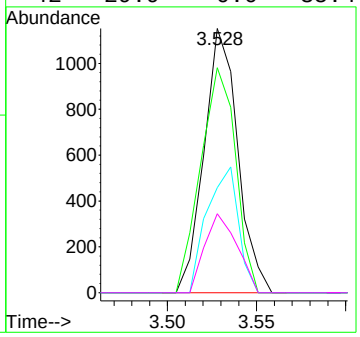


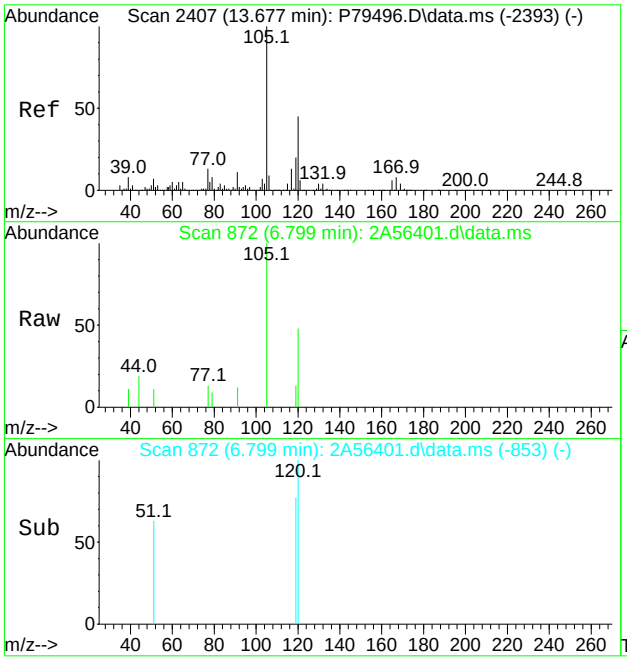


#54
Methylcyclohexane
Concen: 0.7137 ug/L
RT: 3.528 min Scan# 447
Delta R.T. -0.000 min
Lab File: 2A56401.d
Acq: 28 Jun 2024 3:00 pm

Tgt Ion: 83 Resp: 1521

Ion	Ratio	Lower	Upper
83	100		
55	85.1	45.2	85.2
98	39.7	28.6	68.6
42	29.9	0.0	35.4

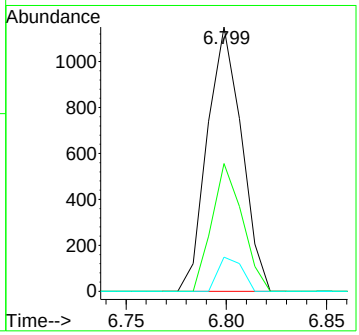


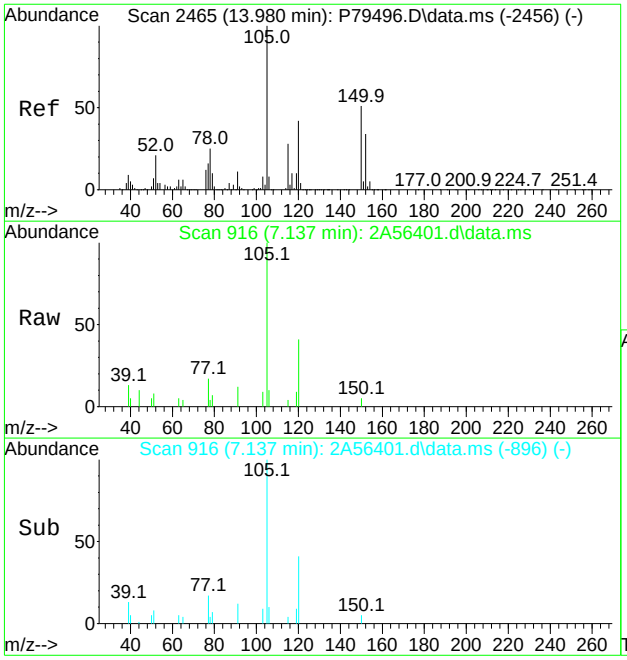


#98
1,2,4-Trimethylbenzene
Concen: 0.2746 ug/L
RT: 6.799 min Scan# 872
Delta R.T. -0.000 min
Lab File: 2A56401.d
Acq: 28 Jun 2024 3:00 pm

Tgt Ion:105 Resp: 1372

Ion	Ratio	Lower	Upper
105	100		
120	48.3	18.1	78.1
119	12.9	0.0	42.3

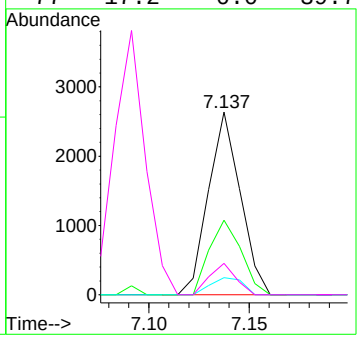




#103
1,2,3-Trimethylbenzene
Concen: 0.5920 ug/L
RT: 7.137 min Scan# 916
Delta R.T. 0.000 min
Lab File: 2A56401.d
Acq: 28 Jun 2024 3:00 pm

Tgt Ion:105 Resp: 2932

Ion	Ratio	Lower	Upper
105	100		
120	40.8	14.0	74.0
119	9.4	0.0	40.1
77	17.2	0.0	39.7



Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\V2A1914\
Data File : 2A56402.d
Acq On : 28 Jun 2024 3:24 pm
Operator : lianatr
Sample : FC16676-13 Inst : MSVOA17
Misc : MS56930,V2A1914,,,,,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jul 01 05:56:20 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration

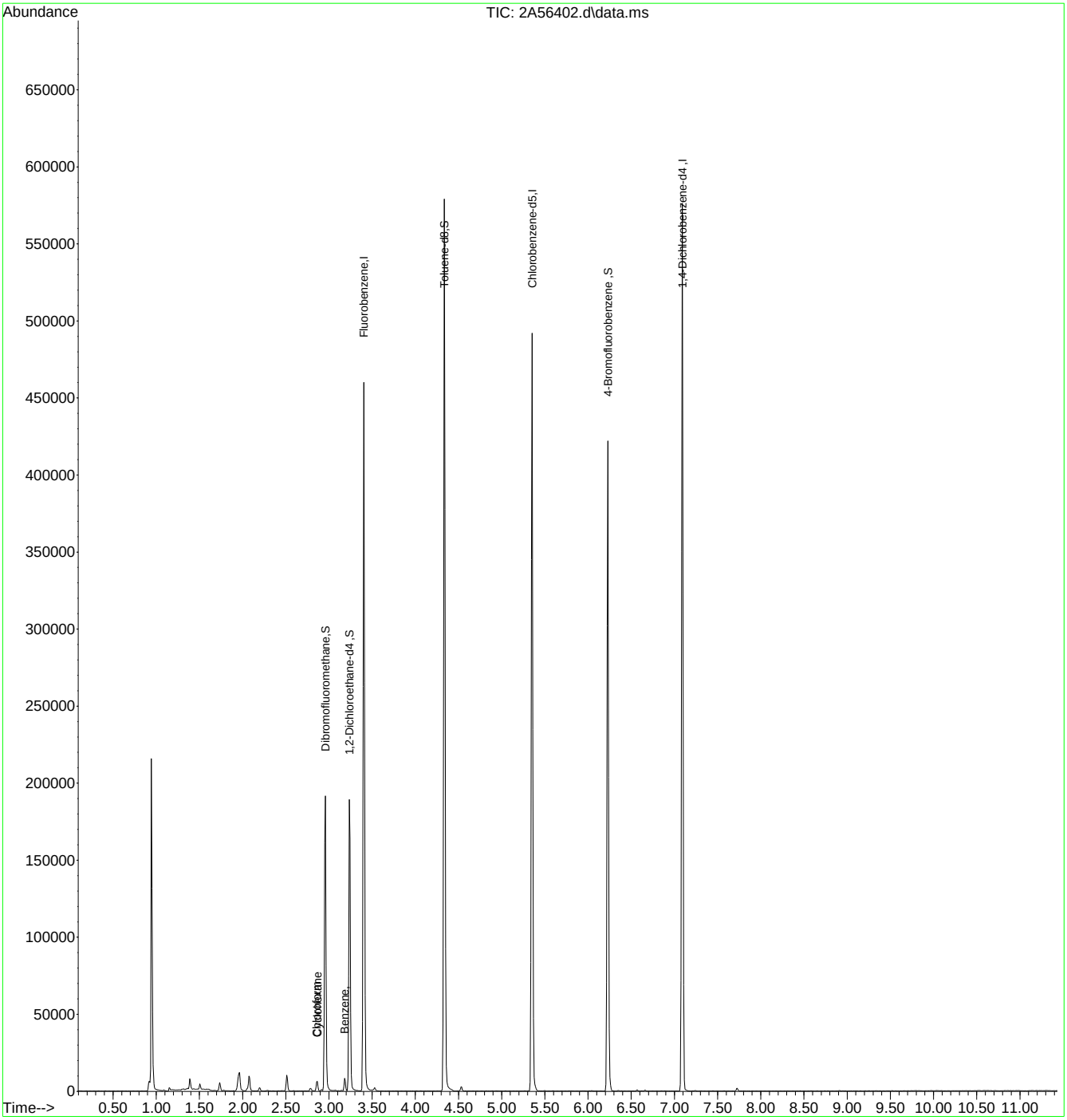
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.405	96	238680	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.352	117	182998	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.091	152	106439	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	2.958	113	70926	51.47	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.94%			
49) 1,2-Dichloroethane-d4	3.236	65	82739	50.09	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 100.18%			
63) Toluene-d8	4.336	98	243188	49.02	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 98.04%			
86) 4-Bromofluorobenzene	6.229	174	82754	49.13	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.26%			
Target Compounds						Qvalue
35) Cyclohexane	2.866	56	1514	0.6931	ug/L #	78
36) Chloroform	2.858	83	937	0.4303	ug/L	88
47) Benzene	3.182	78	4447	0.9214	ug/L	95

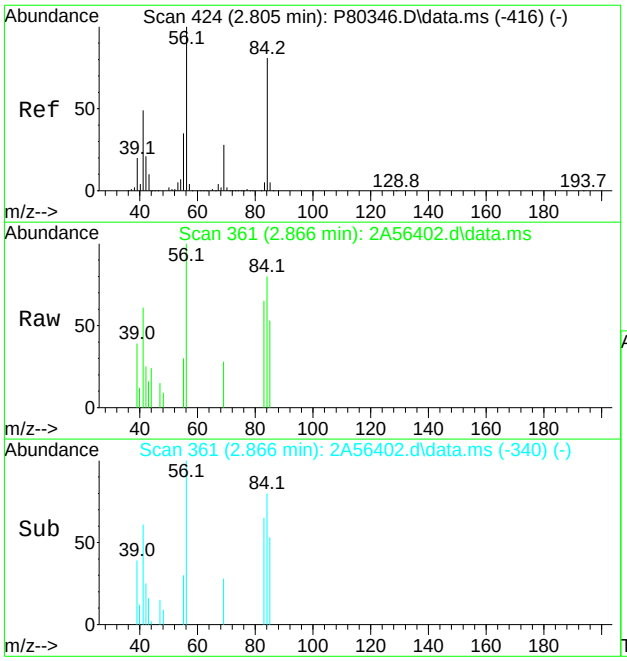
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\V2A1914\
Data File : 2A56402.d
Acq On : 28 Jun 2024 3:24 pm
Operator : lianatr
Sample : FC16676-13 Inst : MSVOA17
Misc : MS56930,V2A1914,,,,,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jul 01 05:56:20 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration

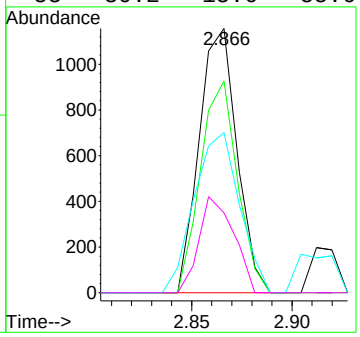


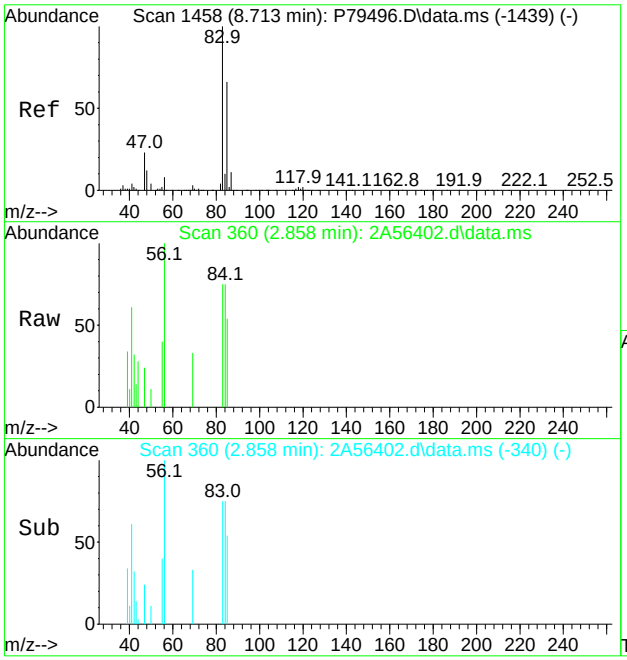


#35
Cyclohexane
Concen: 0.6931 ug/L
RT: 2.866 min Scan# 361
Delta R.T. 0.008 min
Lab File: 2A56402.d
Acq: 28 Jun 2024 3:24 pm

Tgt Ion: 56 Resp: 1514

Ion	Ratio	Lower	Upper
56	100		
84	80.1	84.9	124.9#
41	60.7	22.8	62.8
55	30.2	15.6	55.6

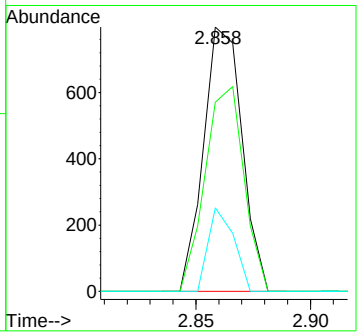


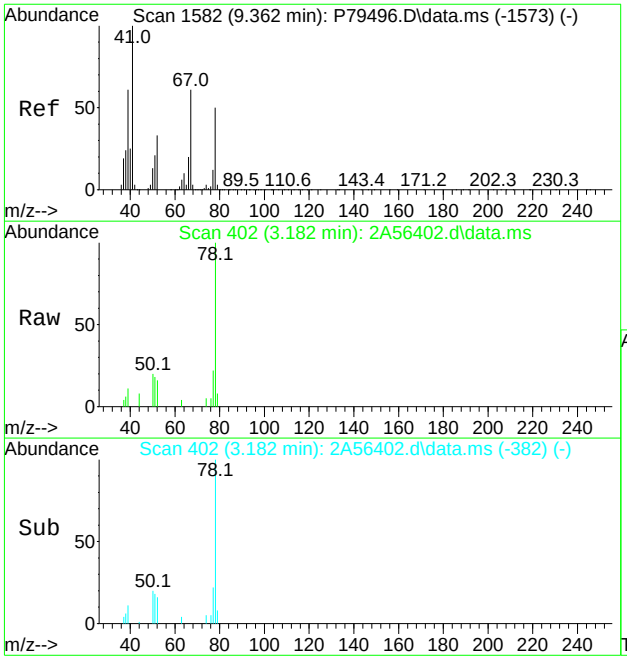


#36
Chloroform
Concen: 0.4303 ug/L
RT: 2.858 min Scan# 360
Delta R.T. 0.000 min
Lab File: 2A56402.d
Acq: 28 Jun 2024 3:24 pm

Tgt Ion: 83 Resp: 937

Ion	Ratio	Lower	Upper
83	100		
85	71.6	36.7	96.7
47	31.6	0.0	46.3

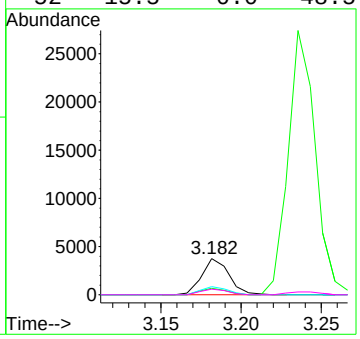




#47
Benzene
Concen: 0.9214 ug/L
RT: 3.182 min Scan# 402
Delta R.T. 0.001 min
Lab File: 2A56402.d
Acq: 28 Jun 2024 3:24 pm

Tgt Ion: 78 Resp: 4447

Ion	Ratio	Lower	Upper
78	100		
51	18.0	0.0	43.6
77	22.4	0.0	52.8
52	15.5	0.0	48.5



Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\V2A1914\
Data File : 2A56403.d
Acq On : 28 Jun 2024 3:48 pm
Operator : lianatr
Sample : FC16676-14 Inst : MSVOA17
Misc : MS56930,V2A1914,,,,,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jul 01 05:56:57 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration

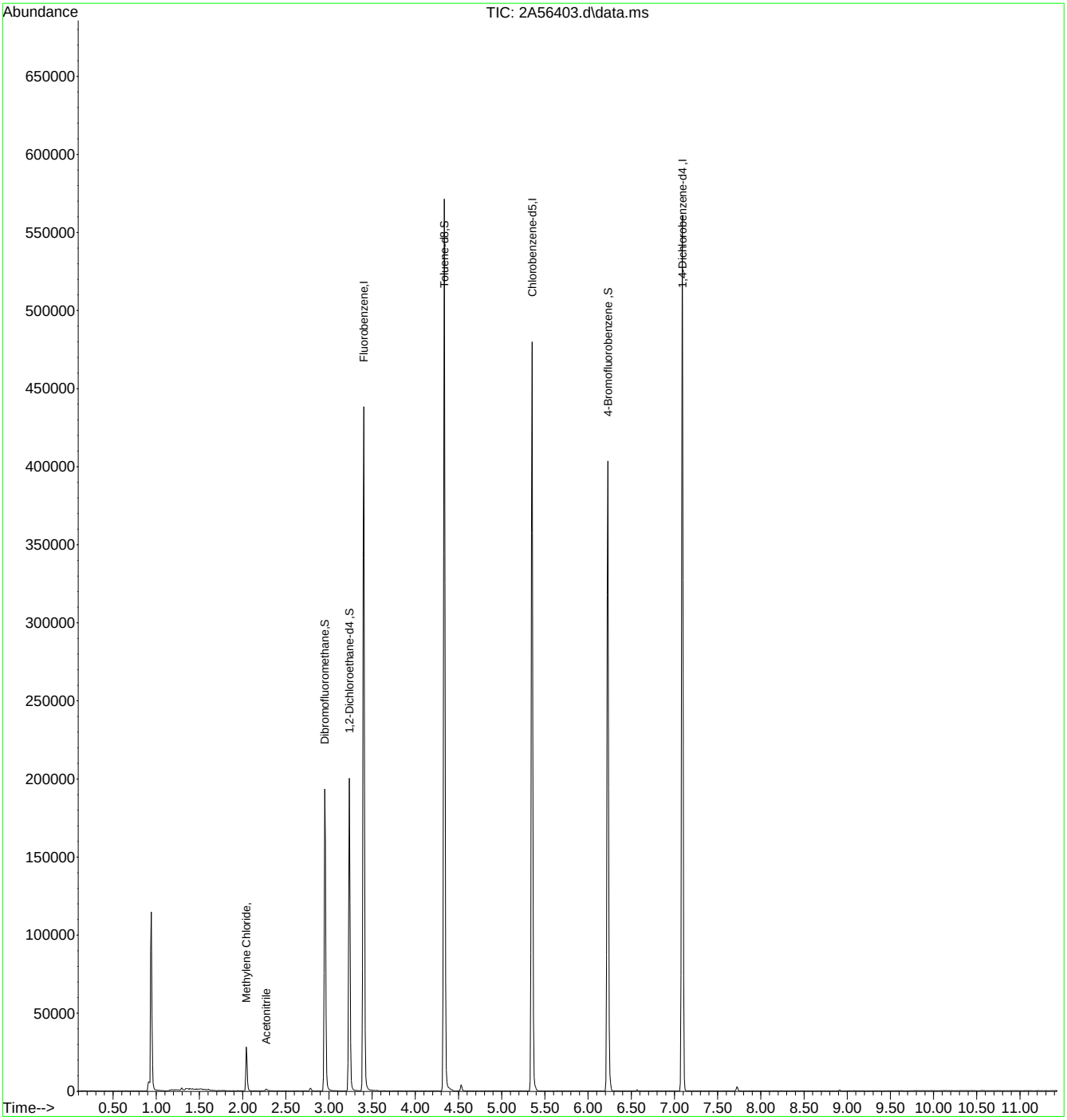
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.405	96	238976	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.352	117	181403	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.091	152	106719	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	2.951	113	69980	50.72	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.44%			
49) 1,2-Dichloroethane-d4	3.235	65	82640	49.97	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 99.94%			
63) Toluene-d8	4.336	98	243007	49.42	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 98.84%			
86) 4-Bromofluorobenzene	6.229	174	83187	49.25	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.50%			
Target Compounds						Qvalue
18) Methylene Chloride	2.042	49	9837	5.7898	ug/L #	69
24) Acetonitrile	2.273	41	1157	7.1807	ug/L	97

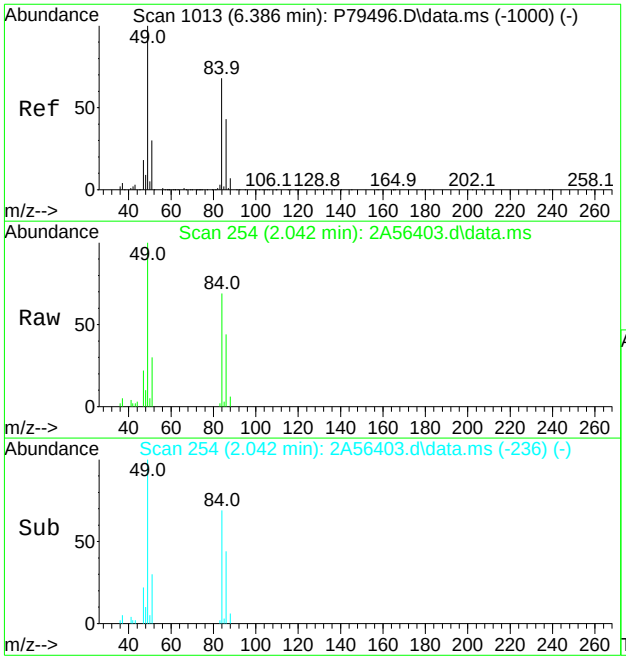
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\V2A1914\
Data File : 2A56403.d
Acq On : 28 Jun 2024 3:48 pm
Operator : lianatr
Sample : FC16676-14 Inst : MSVOA17
Misc : MS56930,V2A1914,,,,,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jul 01 05:56:57 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration

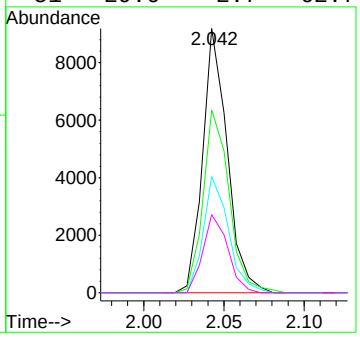


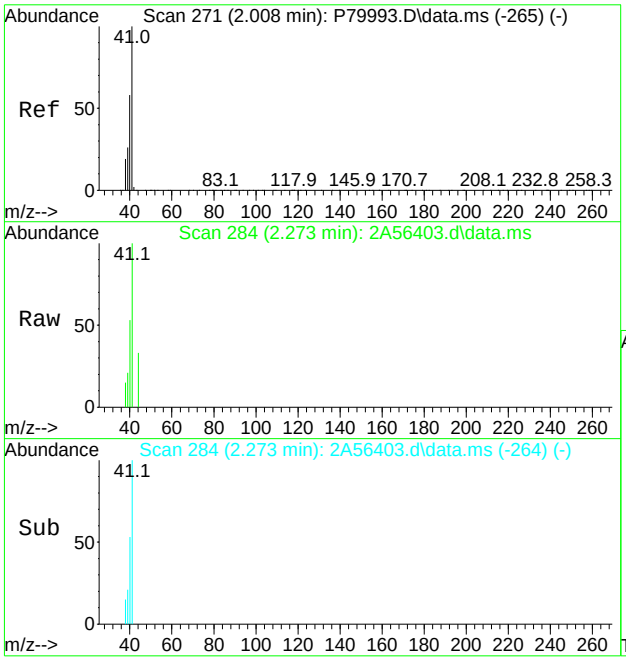


#18
Methylene Chloride
Concen: 5.7898 ug/L
RT: 2.042 min Scan# 254
Delta R.T. -0.008 min
Lab File: 2A56403.d
Acq: 28 Jun 2024 3:48 pm

Tgt Ion: 49 Resp: 9837

Ion	Ratio	Lower	Upper
49	100		
84	69.3	78.4	138.4#
86	44.0	42.5	102.5
51	29.6	2.7	62.7

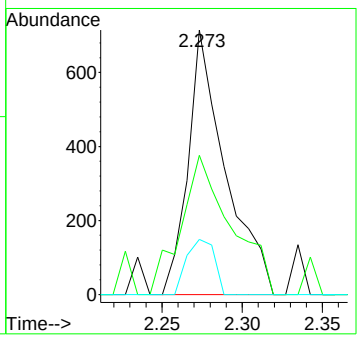




#24
Acetonitrile
Concen: 7.1807 ug/L
RT: 2.273 min Scan# 284
Delta R.T. 0.000 min
Lab File: 2A56403.d
Acq: 28 Jun 2024 3:48 pm

Tgt Ion: 41 Resp: 1157

Ion	Ratio	Lower	Upper
41	100		
40	52.6	31.9	71.9
39	20.8	0.0	37.4



Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\V2A1914\
Data File : 2A56404.d
Acq On : 28 Jun 2024 4:12 pm
Operator : lianatr
Sample : FC16676-15 Inst : MSVOA17
Misc : MS56930,V2A1914,,,,,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jul 01 05:01:59 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration

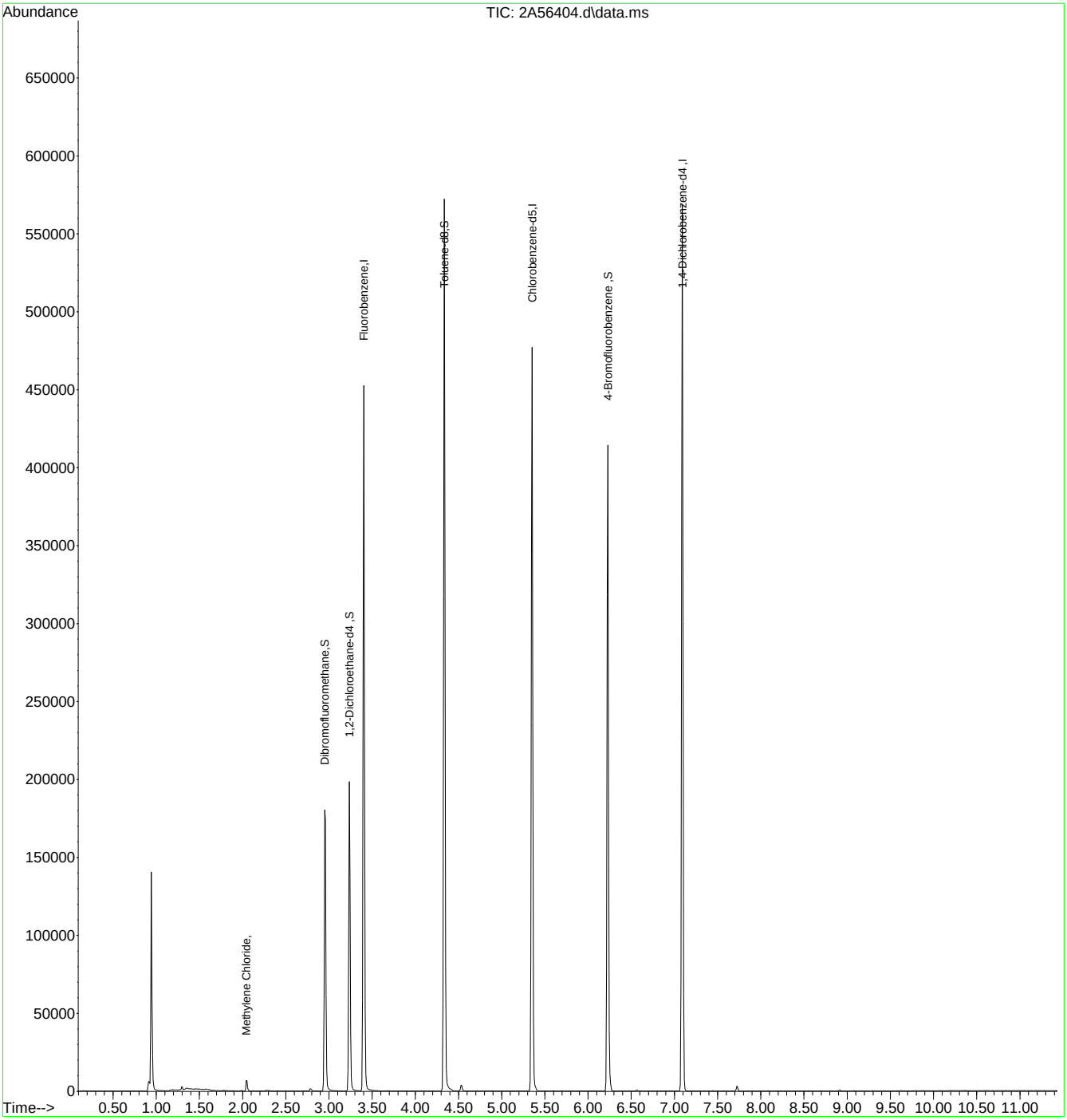
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.405	96	237349	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.352	117	181355	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.091	152	105476	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	2.951	113	70719	51.61	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 103.22%			
49) 1,2-Dichloroethane-d4	3.235	65	83356	50.75	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 101.50%			
63) Toluene-d8	4.336	98	244797	49.79	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 99.58%			
86) 4-Bromofluorobenzene	6.229	174	82081	49.17	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.34%			
Target Compounds						Qvalue
18) Methylene Chloride	2.043	49	2649	1.5698	ug/L #	63

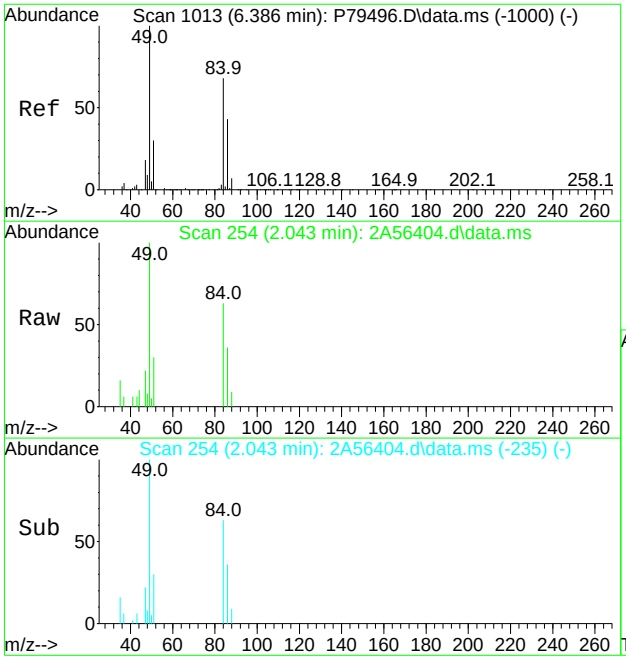
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\V2A1914\
Data File : 2A56404.d
Acq On : 28 Jun 2024 4:12 pm
Operator : lianatr
Sample : FC16676-15 Inst : MSVOA17
Misc : MS56930,V2A1914,,,,,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jul 01 05:01:59 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration

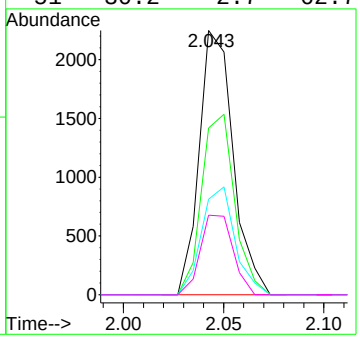




#18
Methylene Chloride
Concen: 1.5698 ug/L
RT: 2.043 min Scan# 254
Delta R.T. -0.007 min
Lab File: 2A56404.d
Acq: 28 Jun 2024 4:12 pm

Tgt Ion: 49 Resp: 2649

Ion	Ratio	Lower	Upper
49	100		
84	63.0	78.4	138.4#
86	36.2	42.5	102.5#
51	30.2	2.7	62.7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\06-28-2024\
Data File : 2A56385.D
Acq On : 28 Jun 2024 8:35 am
Operator : lianatr
Sample : MB
Misc : MS56922,V2A1914,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 28 08:47:22 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration

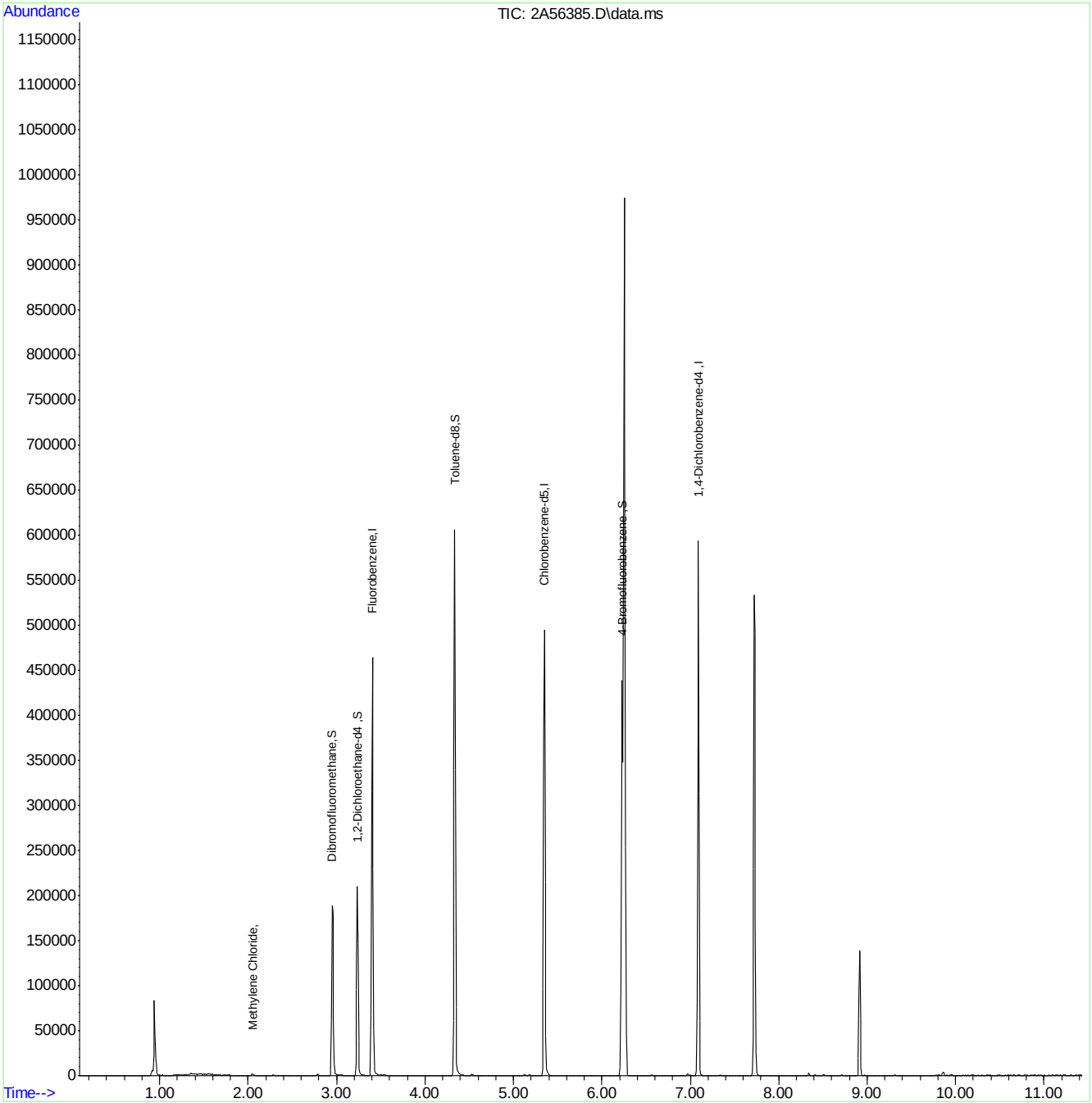
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.405	96	246521	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.352	117	187696	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.091	152	109645	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	2.951	113	72366	50.84	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.68%			
49) 1,2-Dichloroethane-d4	3.235	65	85709	50.24	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 100.48%			
63) Toluene-d8	4.336	98	252130	49.55	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 99.10%			
86) 4-Bromofluorobenzene	6.229	174	85103	49.04	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.08%			
Target Compounds						Qvalue
18) Methylene Chloride	2.050	49	619	0.35	ug/L	# 73

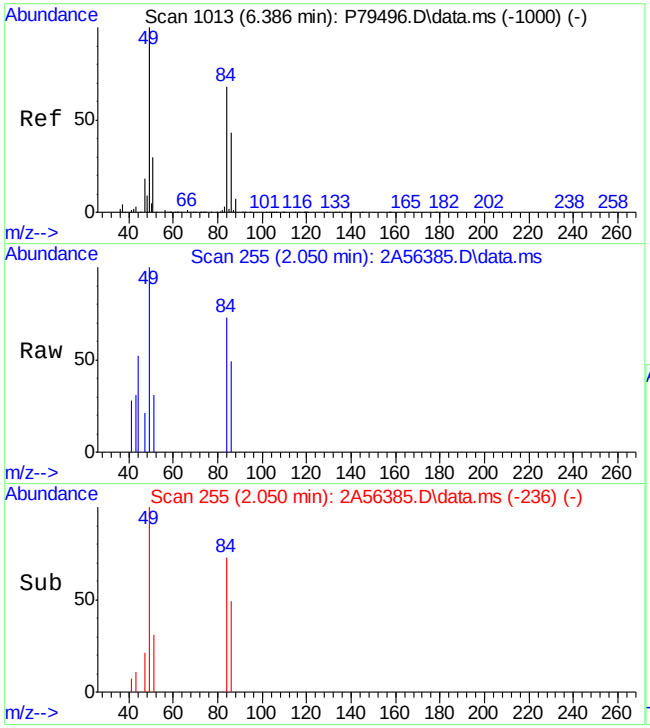
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\06-28-2024\
Data File : 2A56385.D
Acq On : 28 Jun 2024 8:35 am
Operator : lianatr
Sample : MB
Misc : MS56922,V2A1914,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 28 08:47:22 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration

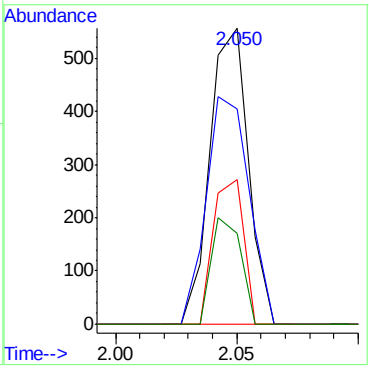




#18
Methylene Chloride
Concen: 0.35 ug/L
RT: 2.050 min Scan# 255
Delta R.T. 0.000 min
Lab File: 2A56385.D
Acq: 28 Jun 2024 8:35 am

Tgt Ion: 49 Resp: 619

Ion	Ratio	Lower	Upper
49	100		
84	72.7	78.4	138.4#
86	48.9	42.5	102.5
51	30.6	2.7	62.7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\07-05-2024\
Data File : 2A56574.D
Acq On : 5 Jul 2024 8:46 am
Operator : lianatr
Sample : MB
Misc : MS56968,V2A1921,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 05 08:58:50 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration

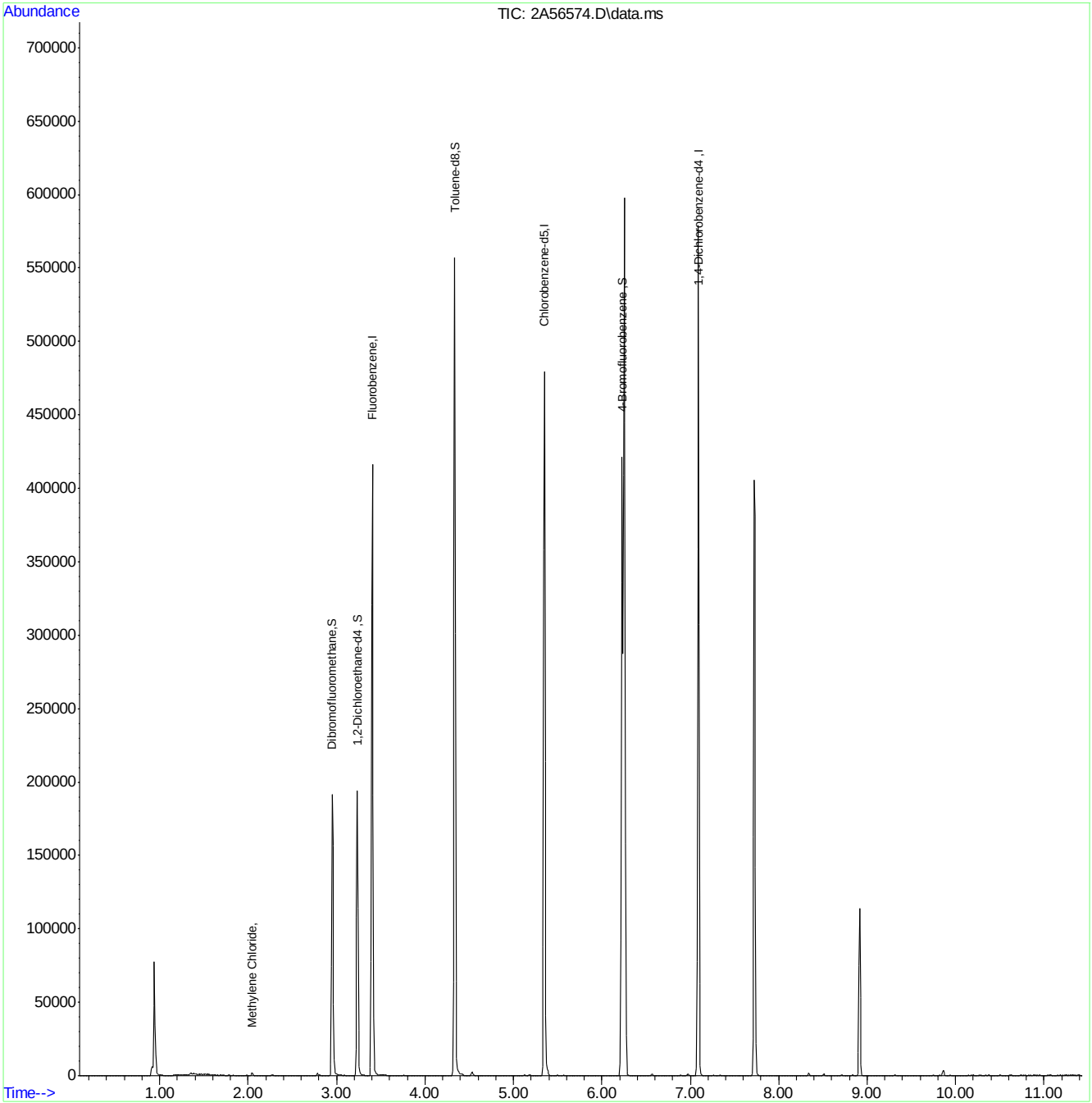
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.405	96	227993	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.352	117	178849	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.091	152	108603	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	2.950	113	69375	52.70	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 105.40%			
49) 1,2-Dichloroethane-d4	3.235	65	82644	52.38	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 104.76%			
63) Toluene-d8	4.336	98	233446	48.15	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 96.30%			
86) 4-Bromofluorobenzene	6.229	174	84540	49.19	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.38%			
Target Compounds						Qvalue
18) Methylene Chloride	2.042	49	676	0.42	ug/L	# 68

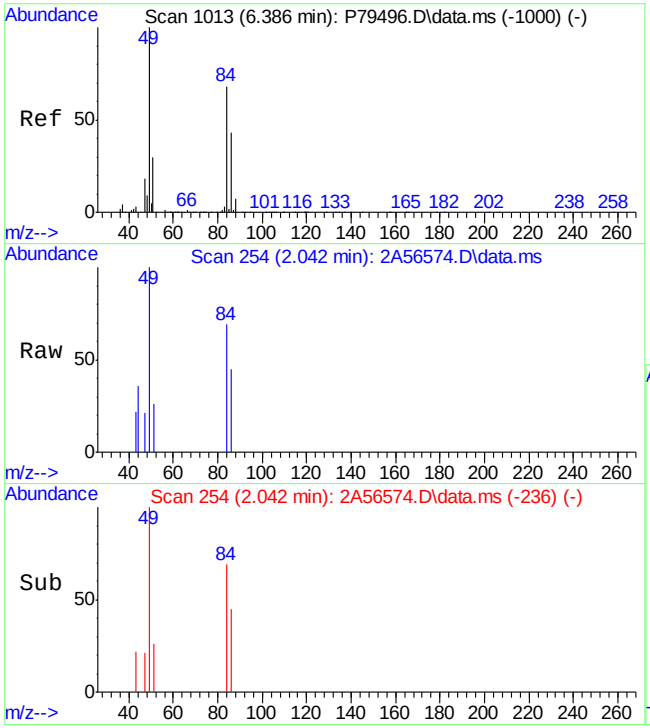
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\07-05-2024\
Data File : 2A56574.D
Acq On : 5 Jul 2024 8:46 am
Operator : lianatr
Sample : MB
Misc : MS56968,V2A1921,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 05 08:58:50 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration

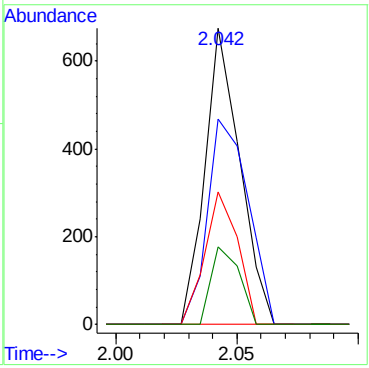




#18
Methylene Chloride
Concen: 0.42 ug/L
RT: 2.042 min Scan# 254
Delta R.T. -0.008 min
Lab File: 2A56574.D
Acq: 5 Jul 2024 8:46 am

Tgt Ion: 49 Resp: 676

Ion	Ratio	Lower	Upper
49	100		
84	69.5	78.4	138.4#
86	44.9	42.5	102.5
51	26.2	2.7	62.7



Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
07/01/24 08:02

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\06-28-2024\
Data File : 2A56383.D
Acq On : 28 Jun 2024 7:47 am
Operator : lianatr
Sample : BS
Misc : MS56922,V2A1914,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 28 07:59:55 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	3.405	96	263239	50.00	ug/L		0.00
62) Chlorobenzene-d5	5.352	117	189905	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	7.091	152	113362	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	2.951	113	73383	48.28	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 96.56%				
49) 1,2-Dichloroethane-d4	3.236	65	92190	50.60	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 101.20%				
63) Toluene-d8	4.336	98	260011	50.51	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 101.02%				
86) 4-Bromofluorobenzene	6.229	174	88935	49.57	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.14%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.019	85	25686	19.74	ug/L		97
3) Chloromethane	1.127	50	28346	18.93	ug/L		100
4) 1,3-butadiene	1.181	39	40536	22.50	ug/L	#	71
5) Vinyl Chloride	1.173	62	29096	19.22	ug/L		100
6) Bromomethane	1.342	94	14810	22.50	ug/L		94
7) Chloroethane	1.411	64	17566	21.29	ug/L		93
8) Trichlorofluoromethane	1.496	101	45469	22.60	ug/L		100
9) Ethyl Ether	1.658	59	22877	21.35	ug/L		93
10) Ethanol	1.704	45	9260	563.47	ug/L		83
11) 1,2-Dichlorotrifluoroe...	1.742	67	36166	34.96	ug/L		88
12) 1,1-Dichloroethene	1.758	61	46229	22.59	ug/L		87
13) Freon 113	1.781	101	29476	24.33	ug/L	#	85
14) Carbon Disulfide	1.781	76	75444	20.51	ug/L		81
15) Iodomethane	1.827	142	23333	24.50	ug/L		88
16) Acrolein	1.904	56	38462	152.89	ug/L		97
17) Allyl chloride	1.996	41	47052	23.52	ug/L		81
18) Methylene Chloride	2.043	49	44123	23.58	ug/L	#	72
19) Acetone	2.050	43	68205	128.93	ug/L		84
20) Methyl acetate	2.120	43	154716	118.17	ug/L		87
21) trans-1,2-Dichloroethene	2.135	61	45307	22.29	ug/L		80
22) Hexane	2.196	56	27749	22.91	ug/L	#	82
23) Methyl Tert Butyl Ether	2.189	73	85590	23.20	ug/L		87
24) Acetonitrile	2.273	41	43992	247.86	ug/L		95
25) Tert Butyl Alcohol	2.204	59	53745	254.82	ug/L	#	18
26) Di-isopropyl ether	2.389	45	91177	21.86	ug/L		85
27) Chloroprene	2.435	53	133497	24.43	ug/L		90
28) 1,1-Dichloroethane	2.443	63	56925	21.93	ug/L		98
29) Acrylonitrile	2.435	52	79949	121.27	ug/L		97
30) ETBE	2.581	59	90601	22.93	ug/L		92
31) Vinyl acetate	2.558	43	438779	139.08	ug/L		97
32) cis-1,2-Dichloroethene	2.720	96	32826	22.63	ug/L	#	79
33) 2,2-Dichloropropane	2.781	77	48963	23.32	ug/L		95
34) Bromochloromethane	2.820	128	15814	21.66	ug/L	#	64
35) Cyclohexane	2.858	56	55084	22.86	ug/L	#	81

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ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 28 07:59:55 2024
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Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Chloroform	2.858	83	57478	23.93	ug/L		95
37) Ethyl acetate	2.912	43	226366	130.92	ug/L		90
38) Tetrahydrofuran	2.943	42	14052	22.81	ug/L		83
40) Carbon Tetrachloride	2.958	117	47632m	23.74	ug/L		
41) 1,1,1-Trichloroethane	2.982	97	50032	21.73	ug/L		90
42) 2-Butanone	2.997	43	101857	118.29	ug/L		80
43) 1,1-Dichloropropene	3.051	75	43875	24.19	ug/L		79
44) tert-Butyl formate	3.089	59	146684	135.99	ug/L		94
45) Propionitrile	3.143	54	60422	245.18	ug/L		97
46) Methacrylonitrile	3.166	41	239404	246.90	ug/L		94
47) Benzene	3.182	78	122196	22.96	ug/L		90
48) TAME	3.251	73	78269	22.67	ug/L	#	75
50) 1,2-Dichloroethane	3.274	62	44967	23.12	ug/L		96
51) Isobutyl Alcohol	3.251	43	67495	508.42	ug/L		86
52) Tert Amyl Alcohol	3.320	59	45395	269.55	ug/L		89
53) Trichloroethene	3.505	95	34614	22.80	ug/L		84
54) Methylcyclohexane	3.528	83	55487	23.61	ug/L		83
55) Dibromomethane	3.728	93	21384	23.24	ug/L	#	77
56) 1,2-Dichloropropane	3.790	63	32204	23.42	ug/L		88
57) Bromodichloromethane	3.828	83	41521	21.58	ug/L	#	96
58) Methyl methacrylate	3.920	41	32599	25.17	ug/L	#	71
59) 1,4-Dioxane	3.936	88	8178	616.14	ug/L		83
60) 2-Chloroethyl vinyl ether	4.167	63	110885	118.18	ug/L		84
61) cis-1,3-Dichloropropene	4.205	75	48108	23.05	ug/L		76
64) Toluene	4.367	91	132292	23.22	ug/L		99
65) 2-Nitropropane	4.467	41	66755	133.16	ug/L		92
66) 4-Methyl-2-pentanone	4.582	43	212508	124.99	ug/L		86
67) trans-1,3-Dichloropropene	4.613	75	42632	22.63	ug/L		80
68) Tetrachloroethene	4.629	166	35371	24.01	ug/L		95
69) Ethyl methacrylate	4.729	69	39673	23.51	ug/L	#	68
70) 1,1,2-Trichloroethane	4.713	83	23766	22.20	ug/L		86
71) Dibromochloromethane	4.836	129	32843	24.72	ug/L		99
72) 1,3-Dichloropropane	4.890	76	48334	25.96	ug/L		75
73) 1,2-Dibromoethane	4.990	107	31248	24.58	ug/L		95
74) 3,3-Dimethyl-1-Butanol	5.121	57	257204	1227.55	ug/L		94
75) 2-hexanone	5.137	43	209330	126.93	ug/L		73
76) 1-Chlorohexane	5.360	91	46140m	21.38	ug/L		
77) Ethylbenzene	5.390	91	148825m	22.54	ug/L		
78) Chlorobenzene	5.360	112	84007	22.79	ug/L		84
79) 1,1,1,2-Tetrachloroethane	5.406	131	29626	23.56	ug/L		96
80) m,p-Xylene	5.498	91	238476	44.18	ug/L		94
81) o-Xylene	5.798	91	122796	21.72	ug/L		91
82) Styrene	5.829	104	91163	22.36	ug/L		88
83) Bromoform	5.837	173	22574	23.96	ug/L		95
84) Isopropylbenzene	6.037	105	144419	21.69	ug/L		95
87) cis-1,4-Dichloro-2-butene	6.260	53	11428	24.04	ug/L	#	72
88) n-Propylbenzene	6.345	91	181014	21.65	ug/L		87
89) Bromobenzene	6.306	156	36510	23.03	ug/L	#	79
90) 1,1,2,2-Tetrachloroethane	6.368	83	42283	22.65	ug/L		96
91) 1,3,5-Trimethylbenzene	6.506	105	123139	21.69	ug/L		97

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ALS Vial : 3 Sample Multiplier: 1

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Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration

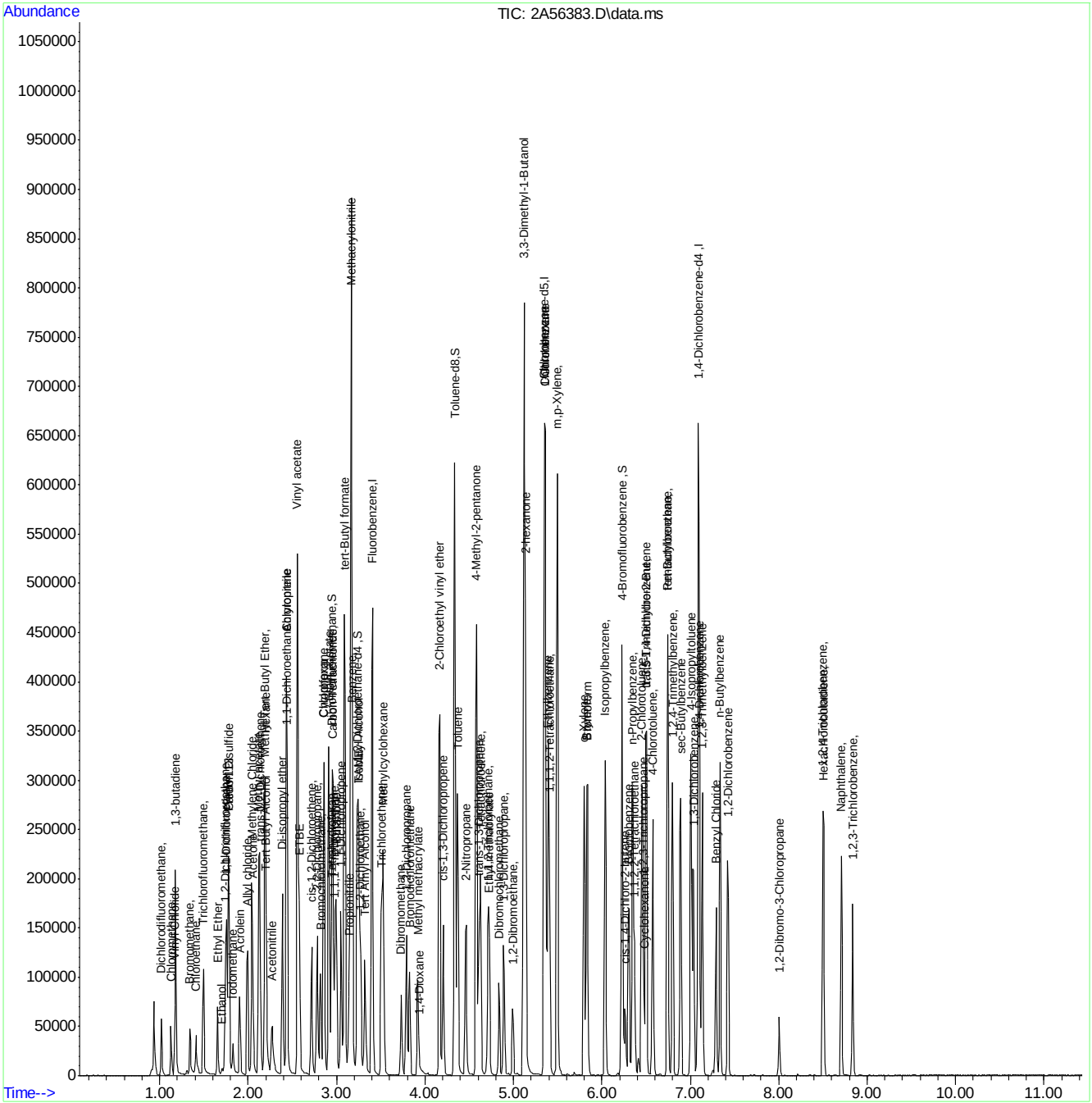
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92)	2-Chlorotoluene	6.453	91	99786	21.63	ug/L		93
93)	trans-1,4-Dichloro-2-B...	6.499	53	15455	25.71	ug/L	#	62
94)	1,2,3-Trichloropropane	6.468	110	12516	25.60	ug/L	#	71
95)	Cyclohexanone	6.476	55	12299	219.84	ug/L	#	78
96)	4-Chlorotoluene	6.576	91	105448	21.34	ug/L		90
97)	tert-Butylbenzene	6.745	91	72430	21.21	ug/L		86
98)	1,2,4-Trimethylbenzene	6.799	105	117687	22.16	ug/L		97
99)	Pentachloroethane	6.745	167	20259	23.68	ug/L	#	76
100)	sec-Butylbenzene	6.891	105	147348	20.49	ug/L		94
101)	4-Isopropyltoluene	7.007	119	129342	21.18	ug/L		94
102)	1,3-Dichlorobenzene	7.038	146	66964	21.72	ug/L		94
103)	1,2,3-Trimethylbenzene	7.138	105	115110	21.87	ug/L		97
104)	1,4-Dichlorobenzene	7.107	146	68504	22.21	ug/L		95
105)	n-Butylbenzene	7.338	92	62819	22.49	ug/L		95
106)	Benzyl Chloride	7.292	126	16844	24.58	ug/L	#	68
107)	1,2-Dichlorobenzene	7.422	146	62630	22.64	ug/L		89
108)	1,2-Dibromo-3-Chloropr...	8.007	75	9079	23.99	ug/L	#	56
109)	Hexachlorobutadiene	8.508	225	18444	23.54	ug/L		87
110)	1,2,4-Trichlorobenzene	8.500	180	38574	22.92	ug/L		96
111)	Naphthalene	8.708	128	105776	23.01	ug/L		99
112)	1,2,3-Trichlorobenzene	8.838	180	34085	22.66	ug/L		96

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

Quantitation Report (QT Reviewed)

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Operator : lianatr
Sample : BS
Misc : MS56922,V2A1914,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 28 07:59:55 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: V2A1914-BS
Lab FileID: 2A56383.D
Injection Time: 06/28/24 07:47

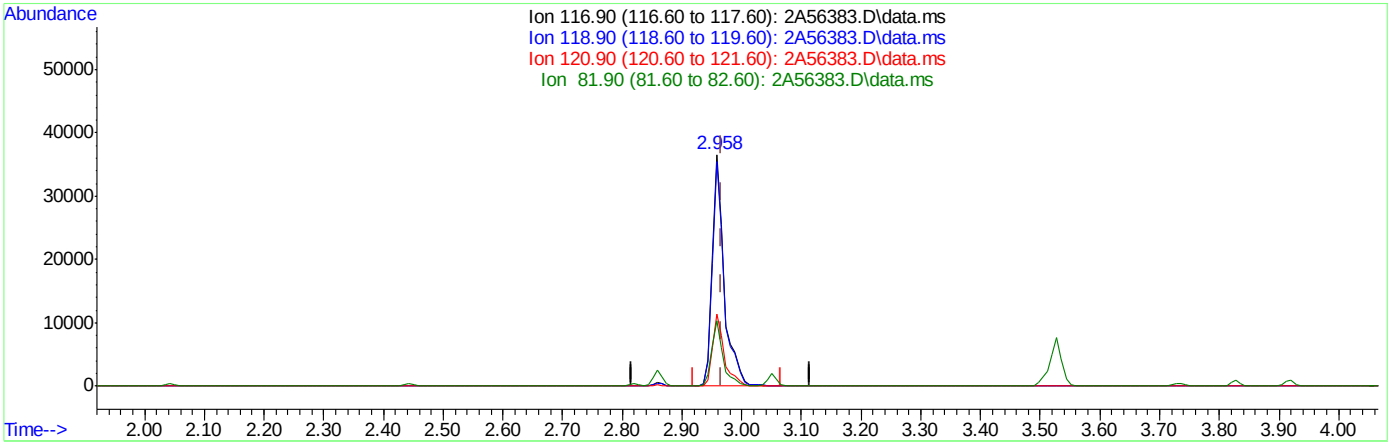
Method: SW846 8260D
Analyst approved: 06/28/24 07:59 Liana Tortrodriguez
Supervisor approved: 07/01/24 08:02 Karen Watson

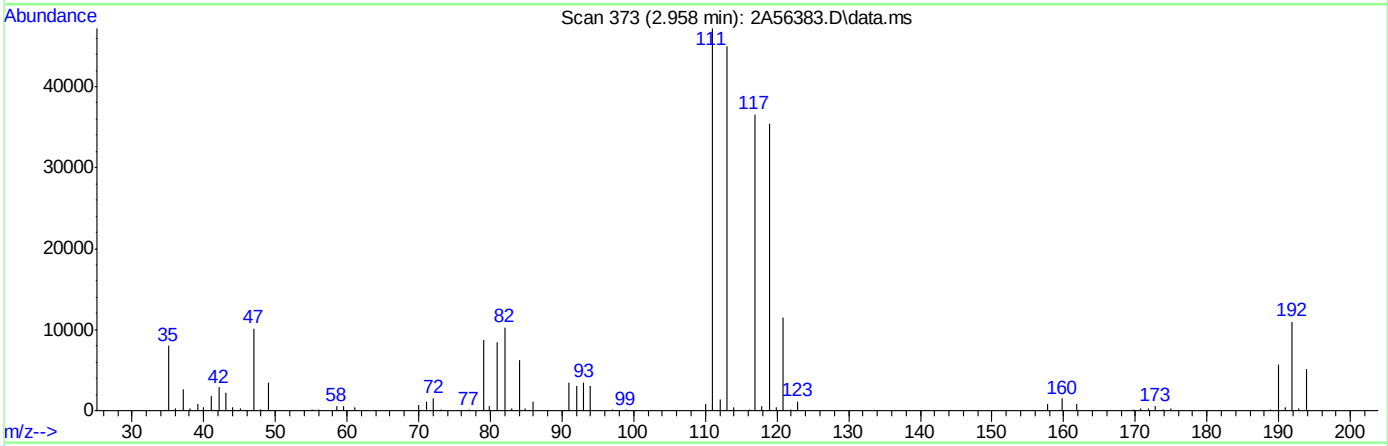
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		2.96	Poorly defined baseline
1-Chlorohexane	544-10-5		5.36	Poorly defined baseline
Ethylbenzene	100-41-4		5.39	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-28-2024\
Data File : 2A56383.D
Acq On : 28 Jun 2024 7:47 am
Operator : lianatr
Sample : BS
Misc : MS56922,V2A1914,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 28 07:59:18 2024
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Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration





TIC: 2A56383.D\data.ms

(40) Carbon Tetrachloride ( )

2.958min (-0.008) 25.96ug/L

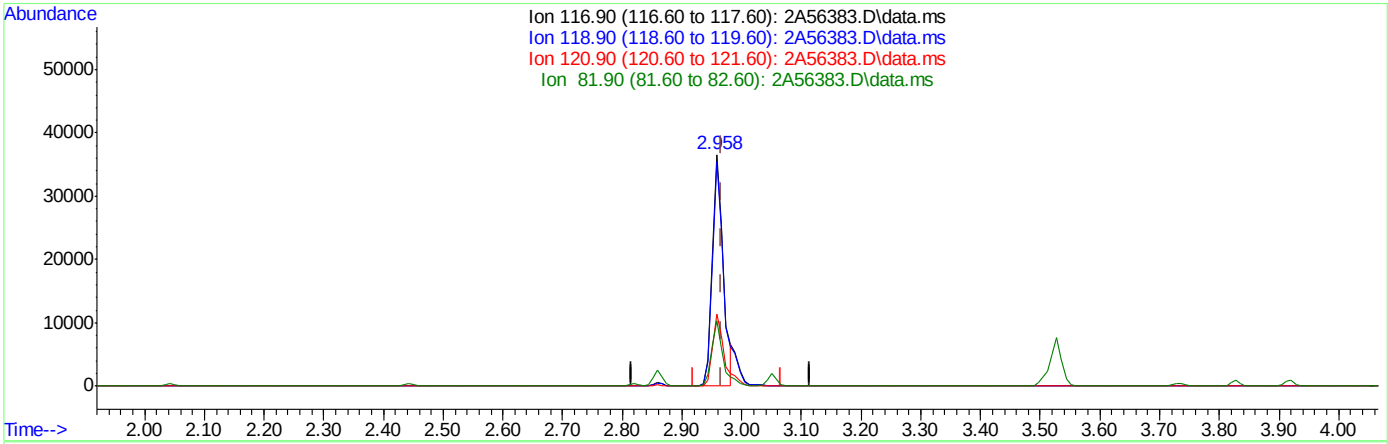
response 52071

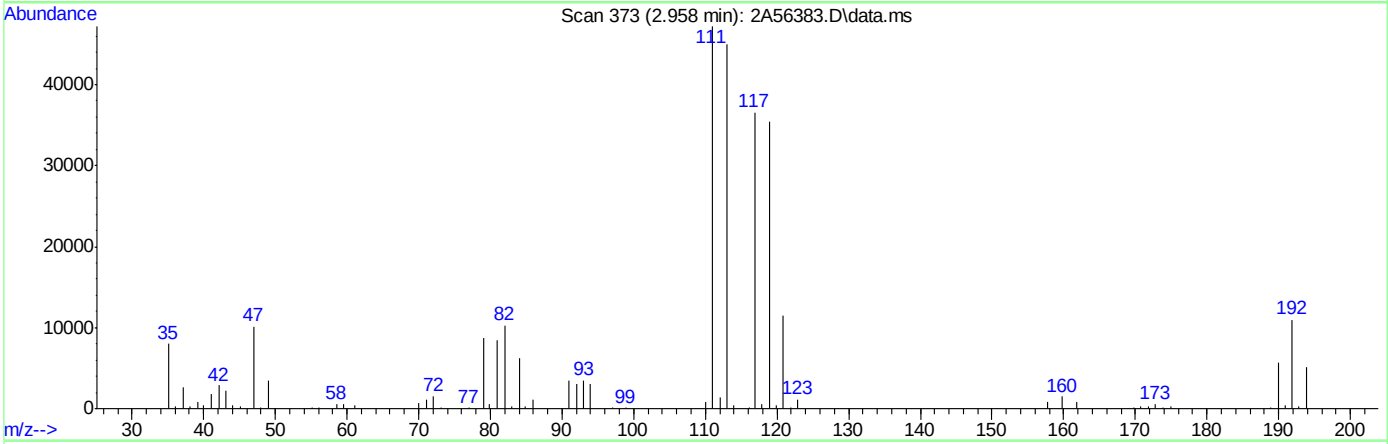
Ion	Exp%	Act%
116.90	100	100
118.90	96.30	96.87
120.90	31.00	31.25
81.90	19.00	28.20

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-28-2024\
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Response via : Initial Calibration





TIC: 2A56383.D\data.ms

(40) Carbon Tetrachloride ( )

2.958min (-0.008) 23.74ug/L m

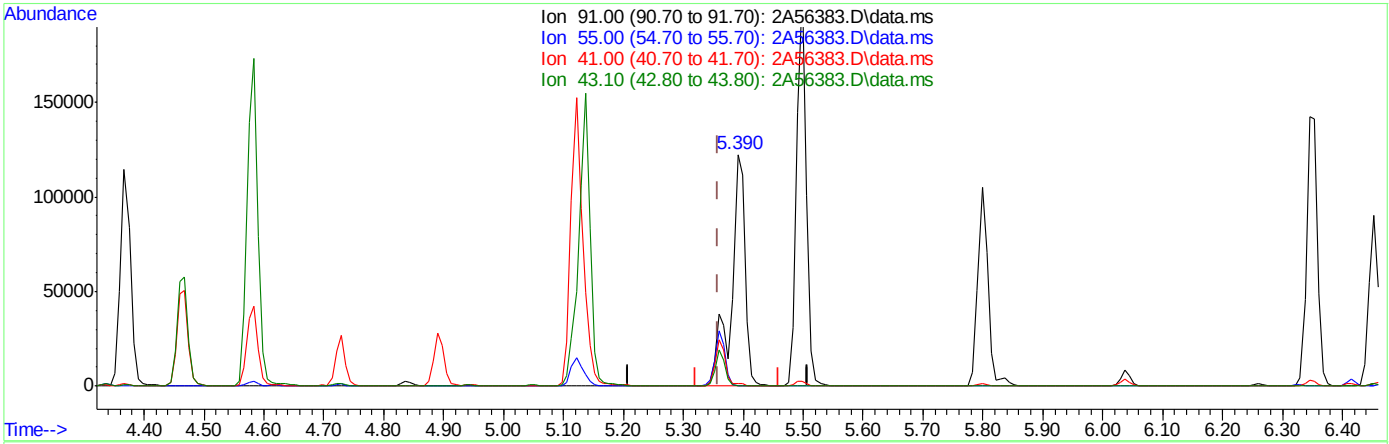
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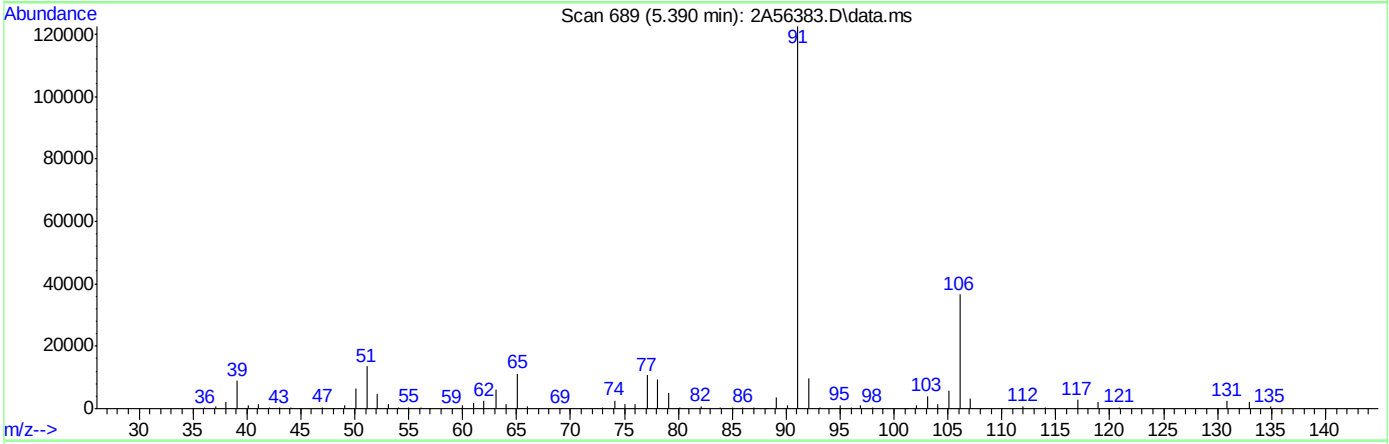
Ion	Exp%	Act%
116.90	100	100
118.90	96.30	96.87
120.90	31.00	31.25
81.90	19.00	28.20

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TIC: 2A56383.D\data.ms

(76) 1-Chlorohexane

5.390min (+0.031) 90.41ug/L

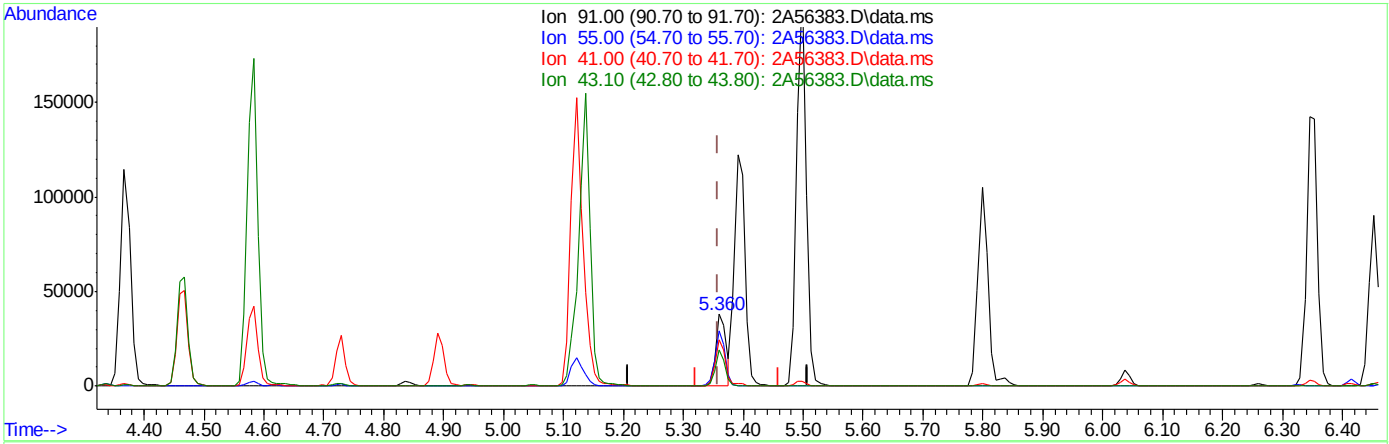
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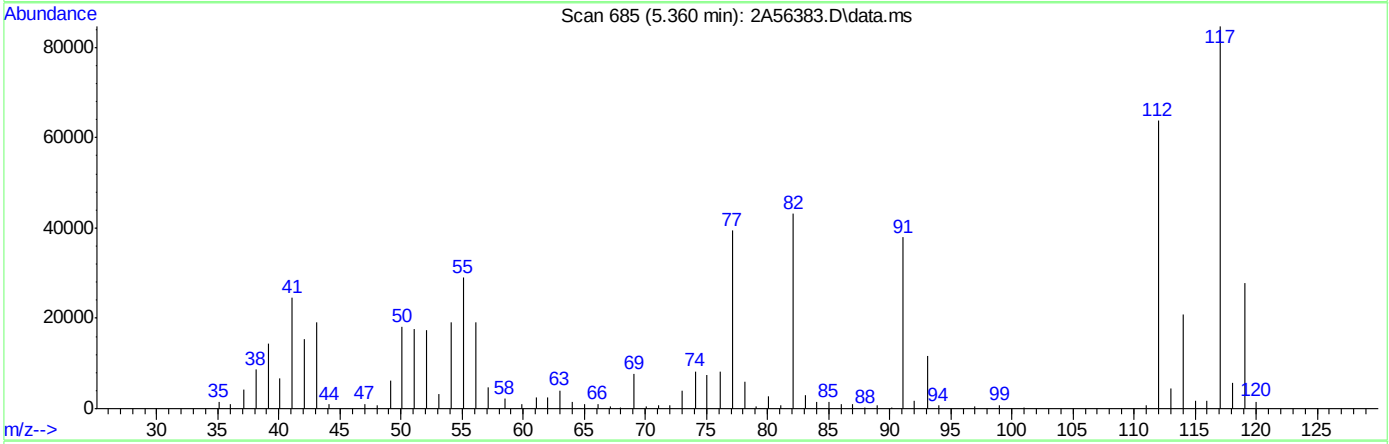
Ion	Exp%	Act%
91.00	100	100
55.00	58.90	0.34#
41.00	39.20	1.16#
43.10	33.20	0.19#

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TIC: 2A56383.D\data.ms

(76) 1-Chlorohexane

5.360min (+0.001) 21.38ug/L m

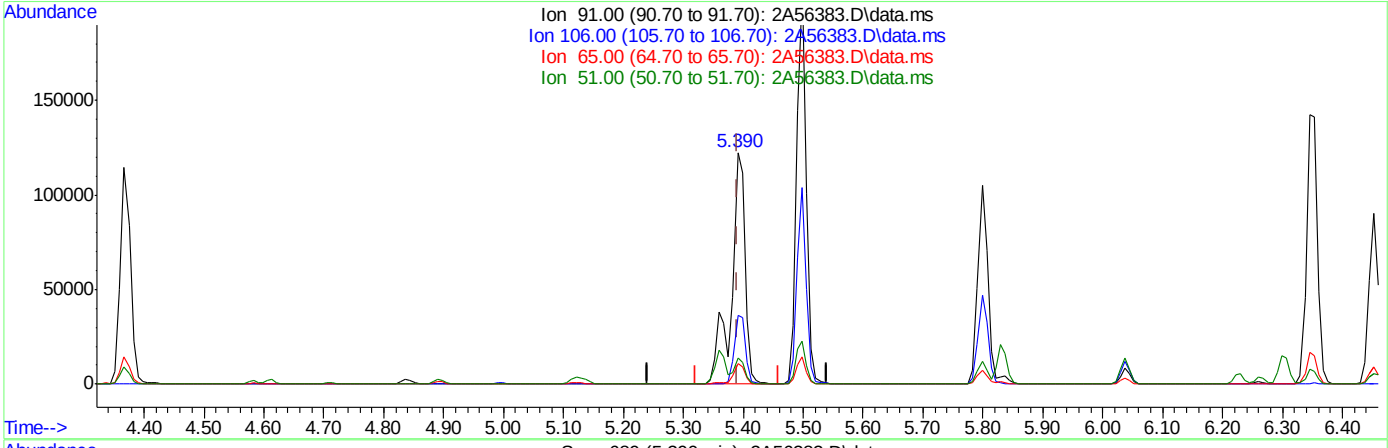
response 46140

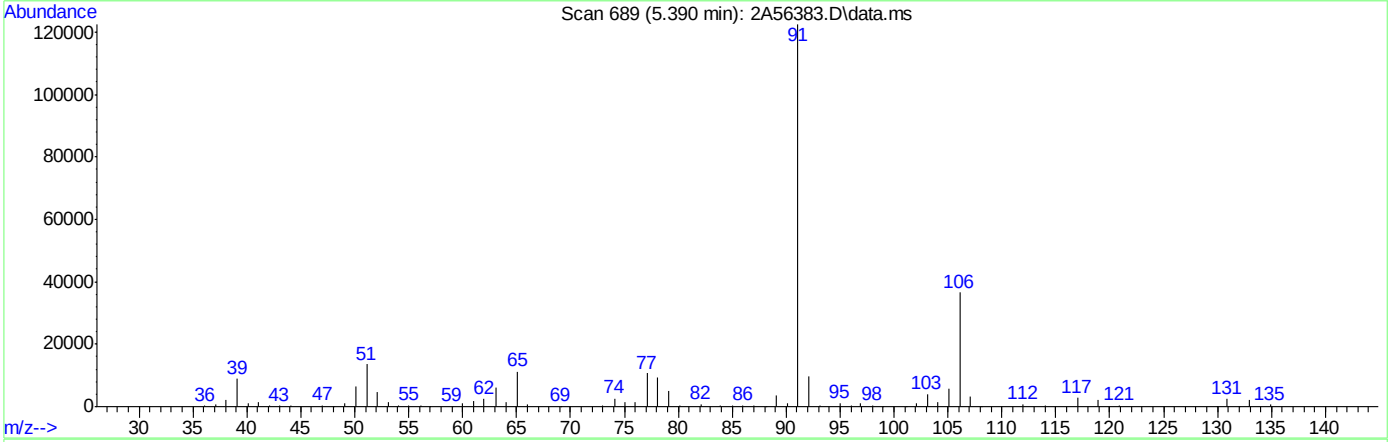
Ion	Exp%	Act%
91.00	100	100
55.00	58.90	76.60
41.00	39.20	64.70#
43.10	33.20	50.45

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Response via : Initial Calibration





TIC: 2A56383.D\data.ms

(77) Ethylbenzene

5.390min (+0.000) 29.56ug/L

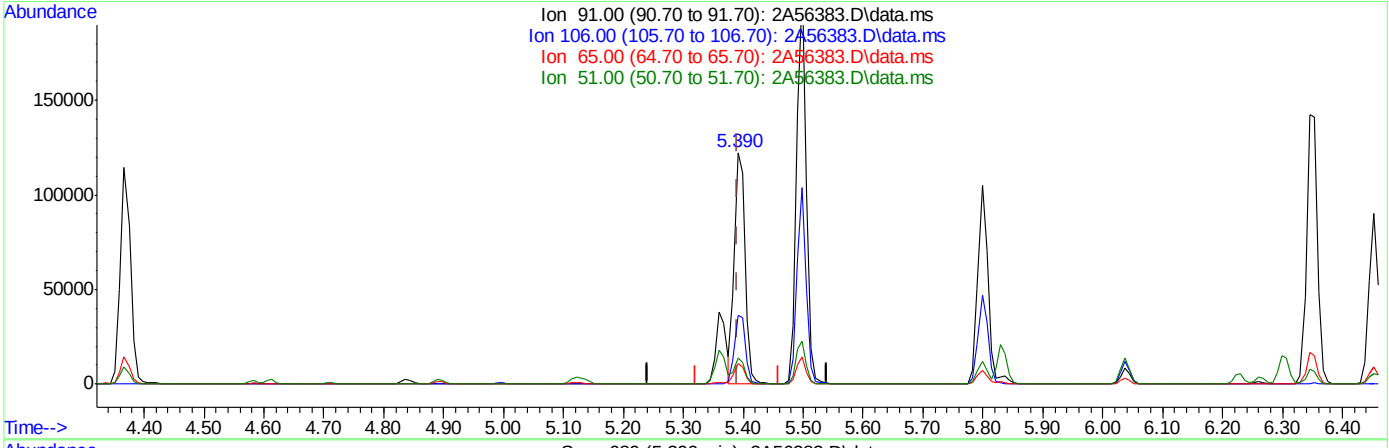
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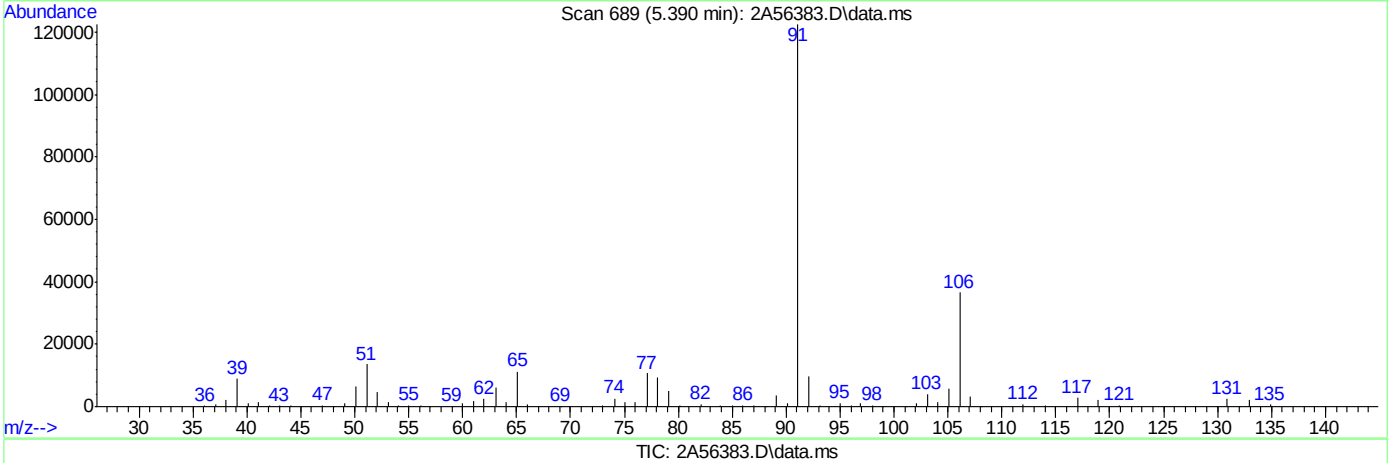
Ion	Exp%	Act%
91.00	100	100
106.00	34.30	29.78
65.00	7.10	9.12
51.00	7.10	11.13

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TIC: 2A56383.D\data.ms

(77) Ethylbenzene

5.390min (+0.000) 22.54ug/L m

response 148825

Ion	Exp%	Act%
91.00	100	100
106.00	34.30	29.78
65.00	7.10	9.12
51.00	7.10	11.13

Manual Integrations APPROVED (compounds with "m" flag)
Neil Christiana 07/08/24 07:50

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\07-05-2024\
Data File : 2A56572.D
Acq On : 5 Jul 2024 7:58 am
Operator : lianatr
Sample : BS
Misc : MS56968,V2A1921,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 05 08:12:27 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	3.405	96	248267	50.00	ug/L		0.00
62) Chlorobenzene-d5	5.352	117	187159	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	7.091	152	115055	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	2.958	113	71549	49.92	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.84%				
49) 1,2-Dichloroethane-d4	3.235	65	89119	51.87	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 103.74%				
63) Toluene-d8	4.336	98	248267	48.93	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 97.86%				
86) 4-Bromofluorobenzene	6.229	174	89334	49.06	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.12%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.027	85	48011	39.13	ug/L		97
3) Chloromethane	1.134	50	37514	26.56	ug/L		99
4) 1,3-butadiene	1.188	39	34205	20.01	ug/L	#	72
5) Vinyl Chloride	1.181	62	37374	26.17	ug/L		98
6) Bromomethane	1.350	94	15123	24.36	ug/L		97
7) Chloroethane	1.419	64	21680	28.53	ug/L		95
8) Trichlorofluoromethane	1.504	101	51934	27.37	ug/L		98
9) Ethyl Ether	1.658	59	20642	20.43	ug/L		86
10) Ethanol	1.712	45	8338	537.96	ug/L		93
11) 1,2-Dichlorotrifluoroe...	1.750	67	32721	33.54	ug/L		92
12) 1,1-Dichloroethene	1.765	61	42391	21.97	ug/L		89
13) Freon 113	1.789	101	27811	24.34	ug/L	#	87
14) Carbon Disulfide	1.789	76	67208	19.37	ug/L		83
15) Iodomethane	1.835	142	18614	20.92	ug/L		86
16) Acrolein	1.912	56	33202	139.94	ug/L		97
17) Allyl chloride	1.996	41	44631	23.66	ug/L		77
18) Methylene Chloride	2.050	49	41154	23.32	ug/L	#	74
19) Acetone	2.050	43	66077	132.44	ug/L		78
20) Methyl acetate	2.127	43	143780	116.44	ug/L		87
21) trans-1,2-Dichloroethene	2.143	61	41993	21.91	ug/L		84
22) Hexane	2.196	56	26137	22.88	ug/L	#	76
23) Methyl Tert Butyl Ether	2.196	73	79792	22.94	ug/L		86
24) Acetonitrile	2.273	41	42949	256.58	ug/L		96
25) Tert Butyl Alcohol	2.212	59	52389	263.37	ug/L		63
26) Di-isopropyl ether	2.397	45	82840	21.06	ug/L		86
27) Chloroprene	2.443	53	122659	23.80	ug/L		91
28) 1,1-Dichloroethane	2.443	63	52046	21.26	ug/L		97
29) Acrylonitrile	2.443	52	73493	118.20	ug/L		96
30) ETBE	2.581	59	84289	22.62	ug/L		91
31) Vinyl acetate	2.566	43	388788	130.67	ug/L		97
32) cis-1,2-Dichloroethene	2.720	96	30444	22.24	ug/L	#	73
33) 2,2-Dichloropropane	2.781	77	46123	23.30	ug/L		93
34) Bromochloromethane	2.820	128	15384	22.34	ug/L	#	62
35) Cyclohexane	2.858	56	49613	21.83	ug/L	#	82

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\07-05-2024\
Data File : 2A56572.D
Acq On : 5 Jul 2024 7:58 am
Operator : lianatr
Sample : BS
Misc : MS56968,V2A1921,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 05 08:12:27 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36)	Chloroform	2.858	83	54538	24.08	ug/L		94
37)	Ethyl acetate	2.912	43	202754	124.34	ug/L		89
38)	Tetrahydrofuran	2.951	42	12109	20.84	ug/L		87
40)	Carbon Tetrachloride	2.966	117	47132m	24.91	ug/L		
41)	1,1,1-Trichloroethane	2.989	97	48079	22.14	ug/L		92
42)	2-Butanone	3.005	43	94846	116.79	ug/L		84
43)	1,1-Dichloropropene	3.058	75	40730	23.81	ug/L		82
44)	tert-Butyl formate	3.097	59	129199	127.00	ug/L		93
45)	Propionitrile	3.143	54	58901	253.42	ug/L		98
46)	Methacrylonitrile	3.166	41	236321	258.42	ug/L		94
47)	Benzene	3.182	78	113486	22.61	ug/L		82
48)	TAME	3.251	73	73478	22.56	ug/L		84
50)	1,2-Dichloroethane	3.274	62	43421	23.67	ug/L		97
51)	Isobutyl Alcohol	3.259	43	65141	520.28	ug/L		96
52)	Tert Amyl Alcohol	3.320	59	44616	280.91	ug/L		90
53)	Trichloroethene	3.513	95	33133	23.14	ug/L		90
54)	Methylcyclohexane	3.528	83	51142	23.07	ug/L	#	80
55)	Dibromomethane	3.736	93	20210	23.29	ug/L		87
56)	1,2-Dichloropropane	3.790	63	29262	22.56	ug/L		88
57)	Bromodichloromethane	3.828	83	38619	21.28	ug/L	#	96
58)	Methyl methacrylate	3.920	41	31533	25.82	ug/L	#	69
59)	1,4-Dioxane	3.936	88	7249	579.09	ug/L		87
60)	2-Chloroethyl vinyl ether	4.167	63	100170	113.20	ug/L		83
61)	cis-1,3-Dichloropropene	4.205	75	44605	22.66	ug/L		74
64)	Toluene	4.367	91	123173	21.93	ug/L		100
65)	2-Nitropropane	4.467	41	63915	129.36	ug/L		93
66)	4-Methyl-2-pentanone	4.582	43	197033	117.59	ug/L		86
67)	trans-1,3-Dichloropropene	4.613	75	40579	21.86	ug/L		81
68)	Tetrachloroethene	4.628	166	35322	24.33	ug/L		92
69)	Ethyl methacrylate	4.729	69	38133	22.93	ug/L	#	68
70)	1,1,2-Trichloroethane	4.713	83	22690	21.51	ug/L		86
71)	Dibromochloromethane	4.836	129	31600	24.13	ug/L		99
72)	1,3-Dichloropropane	4.890	76	44878	24.46	ug/L		73
73)	1,2-Dibromoethane	4.998	107	29674	23.69	ug/L		97
74)	3,3-Dimethyl-1-Butanol	5.121	57	257612	1247.54	ug/L		94
75)	2-hexanone	5.136	43	199616	122.82	ug/L		77
76)	1-Chlorohexane	5.360	91	42730m	20.09	ug/L		
77)	Ethylbenzene	5.398	91	143562m	22.07	ug/L		
78)	Chlorobenzene	5.367	112	80309	22.11	ug/L		90
79)	1,1,1,2-Tetrachloroethane	5.406	131	28833	23.27	ug/L		96
80)	m,p-Xylene	5.498	91	230350	43.30	ug/L		92
81)	o-Xylene	5.798	91	117073	21.01	ug/L		89
82)	Styrene	5.837	104	86792	21.60	ug/L		91
83)	Bromoform	5.837	173	22477	24.20	ug/L		96
84)	Isopropylbenzene	6.037	105	138616	21.13	ug/L		96
87)	cis-1,4-Dichloro-2-butene	6.260	53	11984	24.84	ug/L	#	72
88)	n-Propylbenzene	6.352	91	173415	20.44	ug/L		90
89)	Bromobenzene	6.306	156	35804	22.25	ug/L	#	80
90)	1,1,2,2-Tetrachloroethane	6.368	83	39487	20.84	ug/L		96
91)	1,3,5-Trimethylbenzene	6.506	105	119256	20.70	ug/L		98

Quantitation Report (QT Reviewed)

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Data File : 2A56572.D
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Operator : lianatr
Sample : BS
Misc : MS56968,V2A1921,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 05 08:12:27 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration

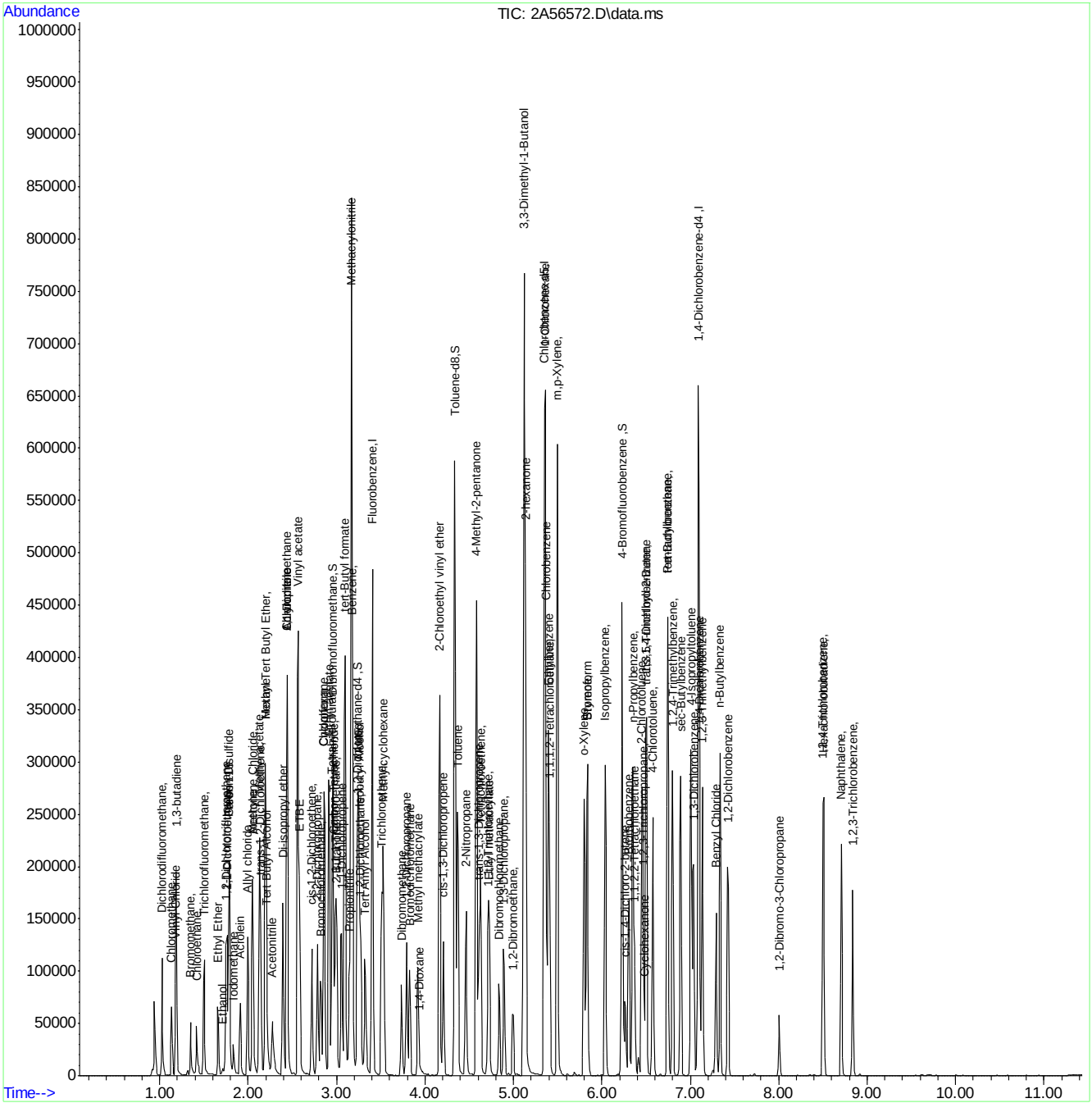
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92)	2-Chlorotoluene	6.453	91	97617	20.84	ug/L		93
93)	trans-1,4-Dichloro-2-B...	6.499	53	15471	25.36	ug/L	#	62
94)	1,2,3-Trichloropropane	6.468	110	12305	24.80	ug/L		79
95)	Cyclohexanone	6.483	55	11188	197.04	ug/L		84
96)	4-Chlorotoluene	6.576	91	101426	20.23	ug/L		90
97)	tert-Butylbenzene	6.745	91	70743	20.41	ug/L		85
98)	1,2,4-Trimethylbenzene	6.799	105	114360	21.22	ug/L		97
99)	Pentachloroethane	6.745	167	20772	23.92	ug/L	#	85
100)	sec-Butylbenzene	6.891	105	143249	19.63	ug/L		94
101)	4-Isopropyltoluene	7.007	119	124582	20.10	ug/L		95
102)	1,3-Dichlorobenzene	7.037	146	65811	21.03	ug/L		93
103)	1,2,3-Trimethylbenzene	7.138	105	111113	20.80	ug/L		97
104)	1,4-Dichlorobenzene	7.107	146	67744	21.64	ug/L		94
105)	n-Butylbenzene	7.338	92	61016	21.53	ug/L		93
106)	Benzyl Chloride	7.291	126	15282	21.97	ug/L	#	65
107)	1,2-Dichlorobenzene	7.422	146	61140	21.78	ug/L		89
108)	1,2-Dibromo-3-Chloropr...	8.007	75	8855	23.06	ug/L	#	57
109)	Hexachlorobutadiene	8.507	225	18668	23.47	ug/L		85
110)	1,2,4-Trichlorobenzene	8.500	180	37786	22.12	ug/L		94
111)	Naphthalene	8.708	128	101738	21.80	ug/L		99
112)	1,2,3-Trichlorobenzene	8.838	180	33923	22.22	ug/L		97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\07-05-2024\
Data File : 2A56572.D
Acq On : 5 Jul 2024 7:58 am
Operator : lianatr
Sample : BS
Misc : MS56968,V2A1921,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 05 08:12:27 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration



Manual Integration Approval Summary

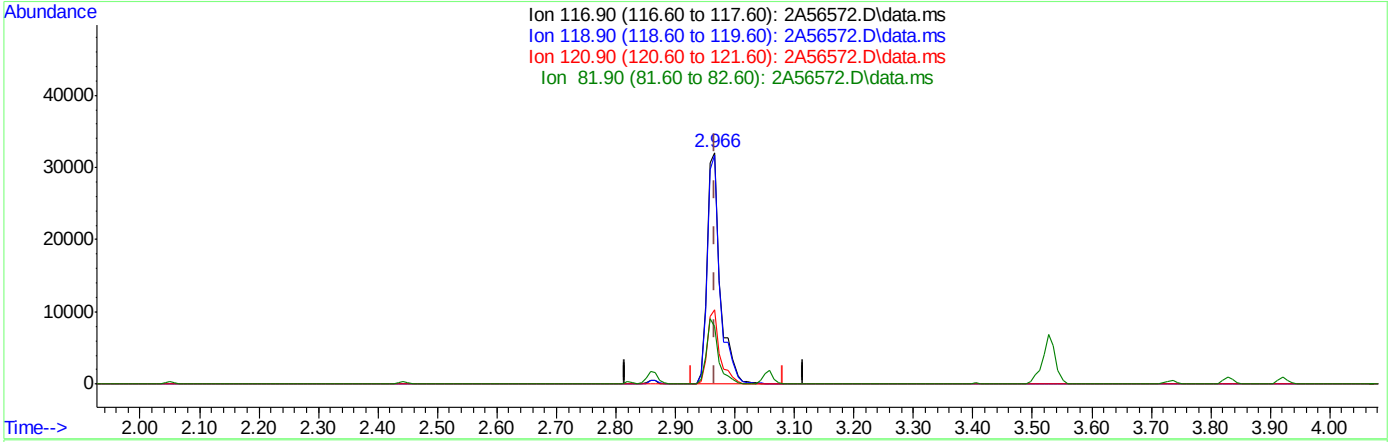
Sample Number: V2A1921-BS
Lab FileID: 2A56572.D
Injection Time: 07/05/24 07:58
Method: SW846 8260D
Analyst approved: 07/05/24 08:08 Liana Tortrodriguez
Supervisor approved: 07/08/24 07:50 Neil Christiana

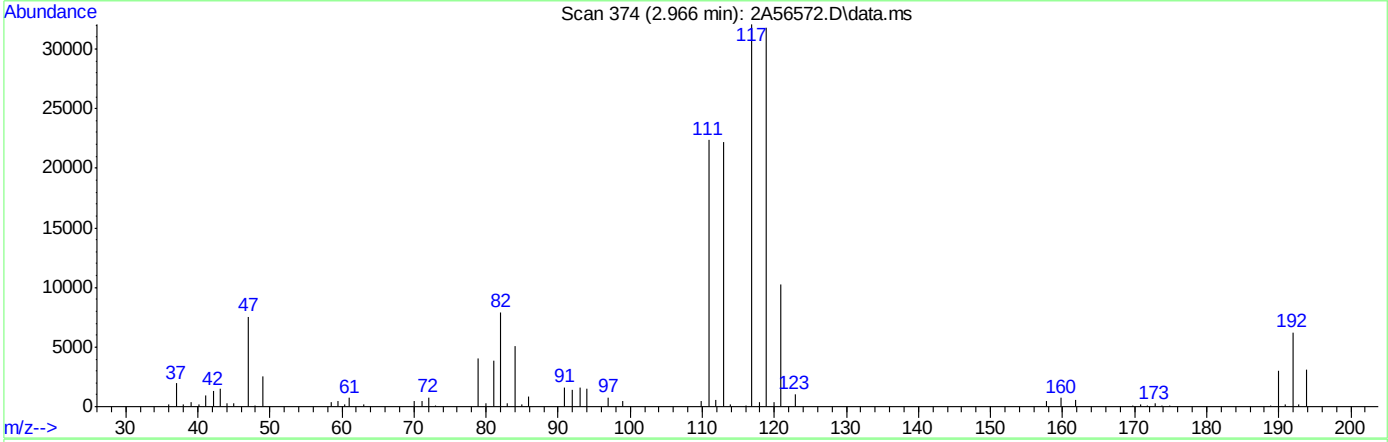
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		2.97	Poorly defined baseline
1-Chlorohexane	544-10-5		5.36	Poorly defined baseline
Ethylbenzene	100-41-4		5.40	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\07-05-2024\
Data File : 2A56572.D
Acq On : 5 Jul 2024 7:58 am
Operator : lianatr
Sample : BS
Misc : MS56968,V2A1921,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 05 08:11:54 2024
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Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration





TIC: 2A56572.D\data.ms

(40) Carbon Tetrachloride ( )

2.966min (+0.000) 26.38ug/L

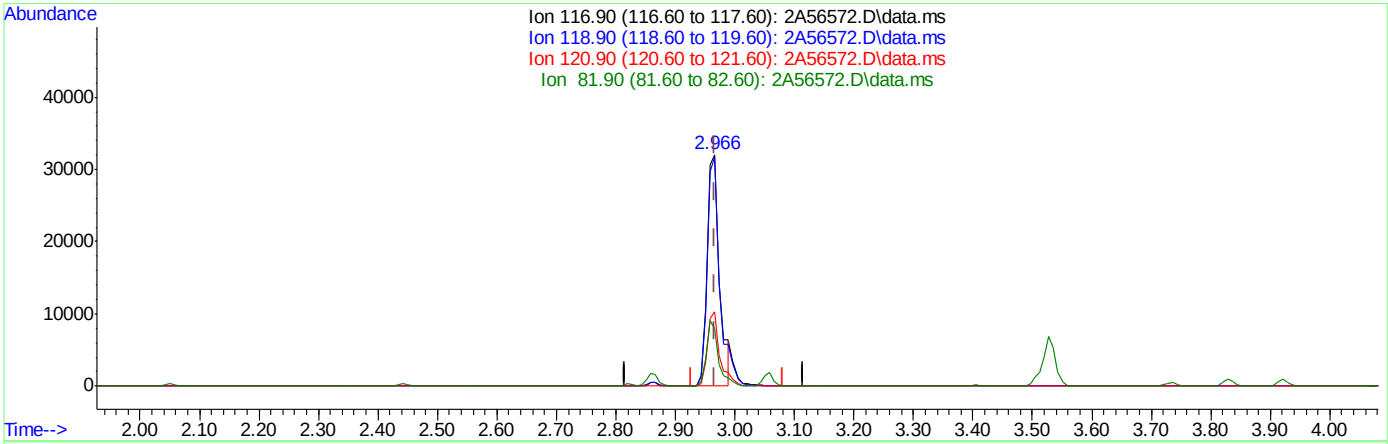
response 49913

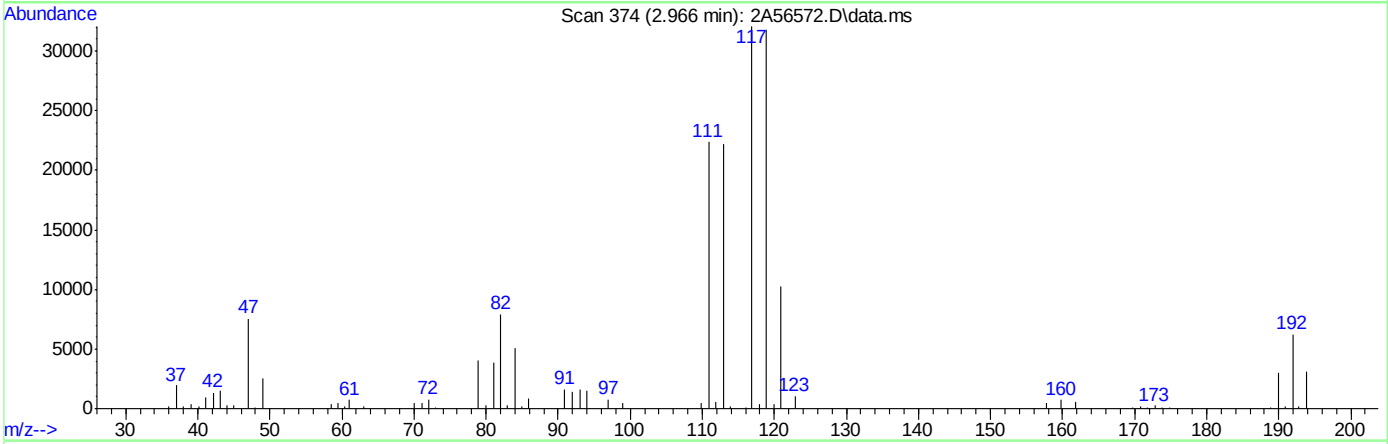
Ion	Exp%	Act%
116.90	100	100
118.90	96.30	99.03
120.90	31.00	31.98
81.90	19.00	24.78

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\07-05-2024\
Data File : 2A56572.D
Acq On : 5 Jul 2024 7:58 am
Operator : lianatr
Sample : BS
Misc : MS56968,V2A1921,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 05 08:11:54 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration





TIC: 2A56572.D\data.ms

(40) Carbon Tetrachloride ( )

2.966min (+0.000) 24.91ug/L m

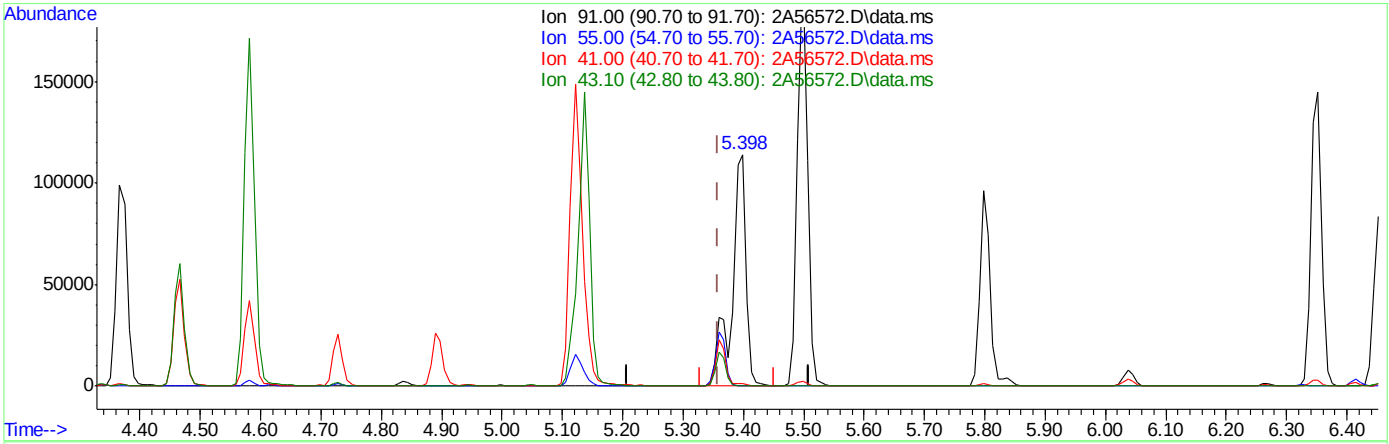
response 47132

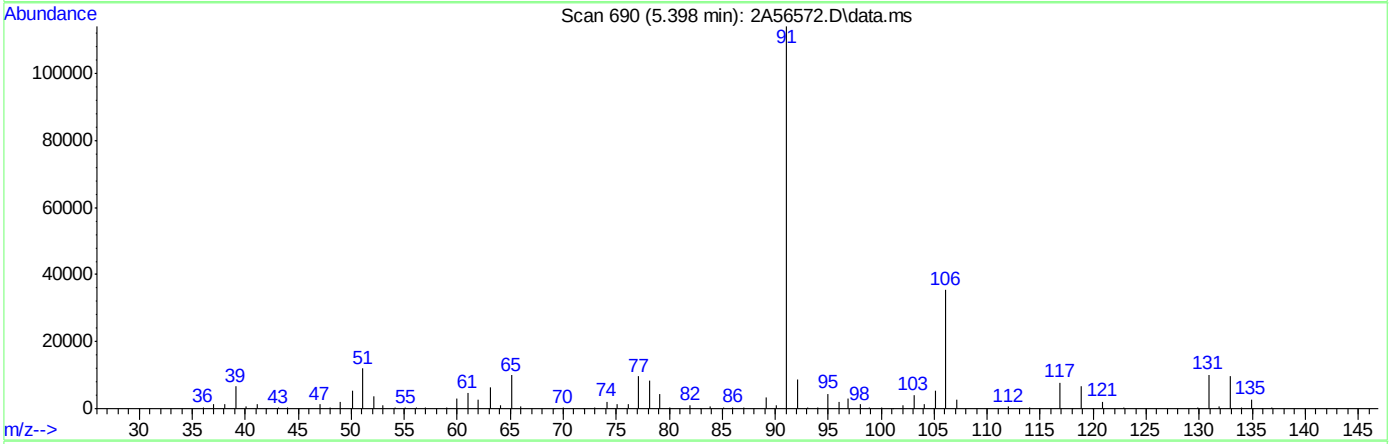
Ion	Exp%	Act%
116.90	100	100
118.90	96.30	99.03
120.90	31.00	31.98
81.90	19.00	24.78

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\07-05-2024\
Data File : 2A56572.D
Acq On : 5 Jul 2024 7:58 am
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TIC: 2A56572.D\data.ms

(76) 1-Chlorohexane

5.398min (+0.039) 87.56ug/L

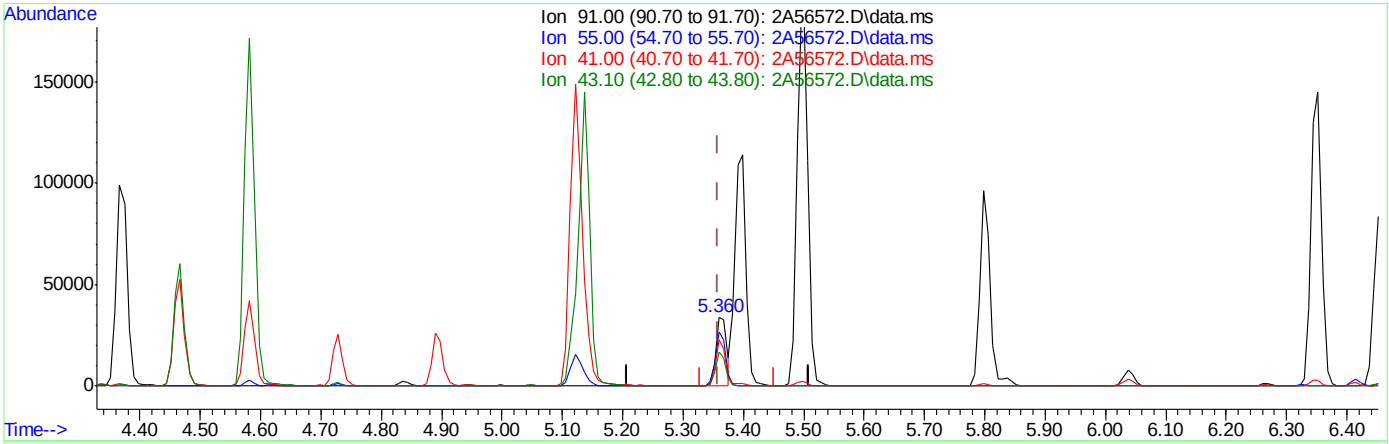
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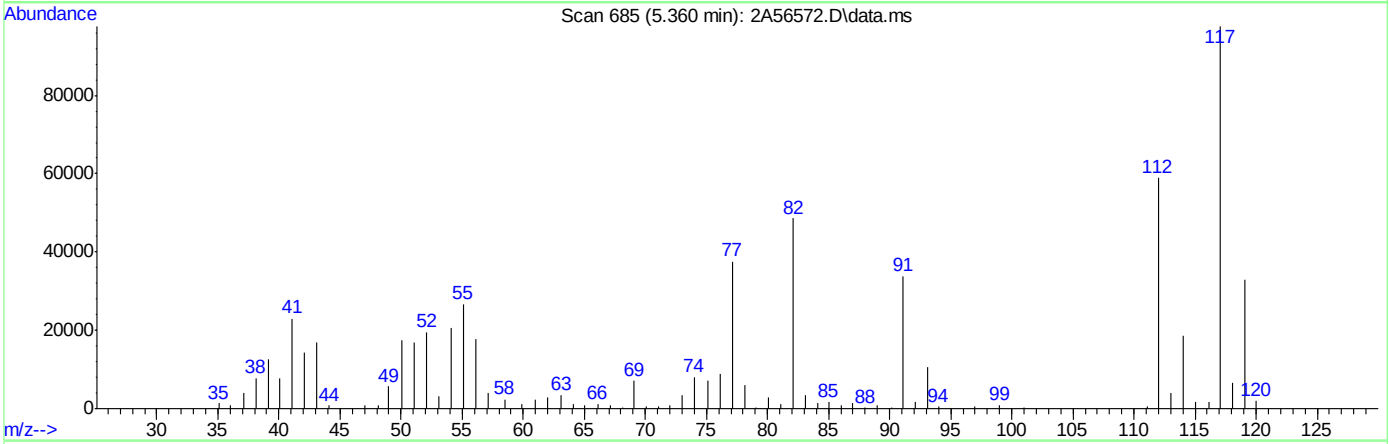
Ion	Exp%	Act%
91.00	100	100
55.00	58.90	0.22#
41.00	39.20	0.93#
43.10	33.20	0.23#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\07-05-2024\
Data File : 2A56572.D
Acq On : 5 Jul 2024 7:58 am
Operator : lianatr
Sample : BS
Misc : MS56968,V2A1921,,,,,
ALS Vial : 3 Sample Multiplier: 1

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Response via : Initial Calibration





TIC: 2A56572.D\data.ms

(76) 1-Chlorohexane

5.360min (+0.001) 20.09ug/L m

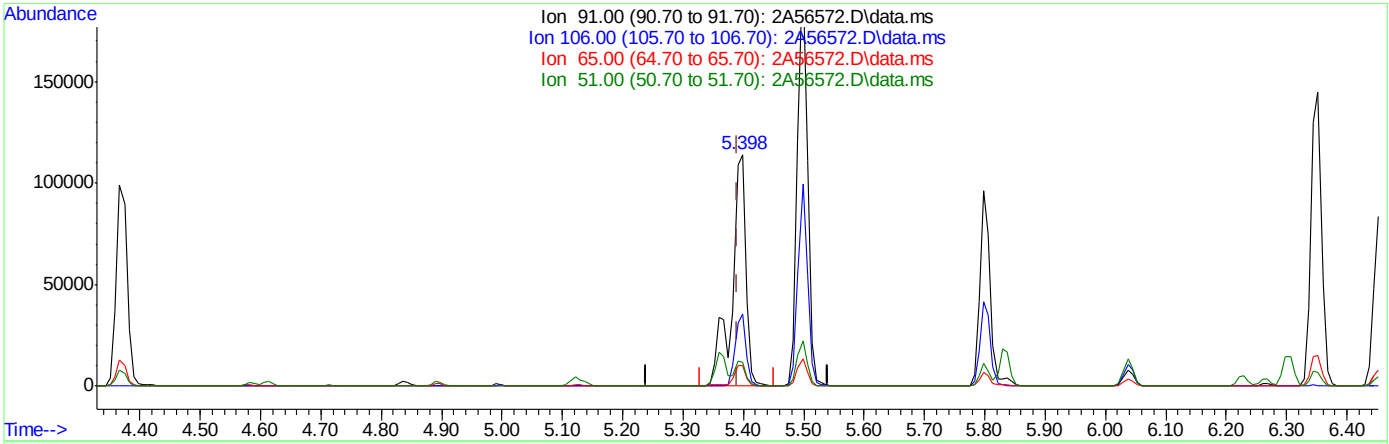
response 42730

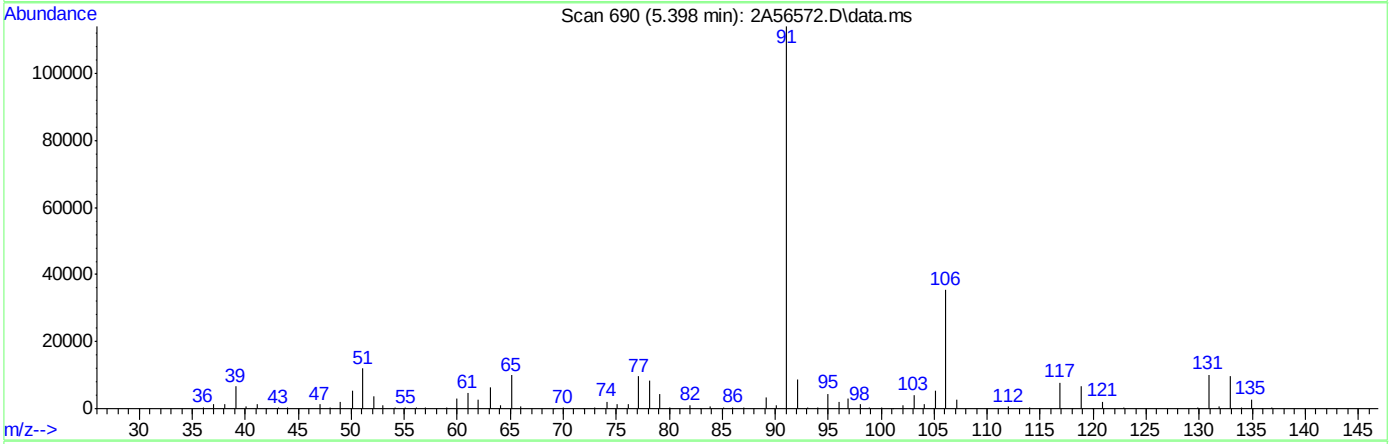
Ion	Exp%	Act%
91.00	100	100
55.00	58.90	78.72
41.00	39.20	67.76#
43.10	33.20	49.74

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\07-05-2024\
Data File : 2A56572.D
Acq On : 5 Jul 2024 7:58 am
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Quant Title : SW-846 Method 5035A/8260B
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Response via : Initial Calibration





TIC: 2A56572.D\data.ms

(77) Ethylbenzene

5.398min (+0.008) 28.63ug/L

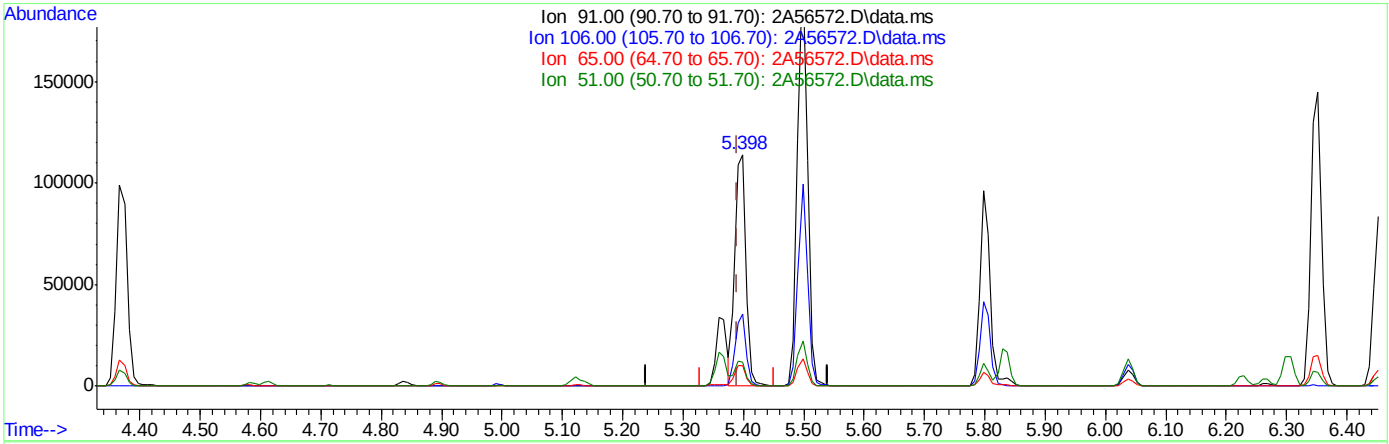
response 186257

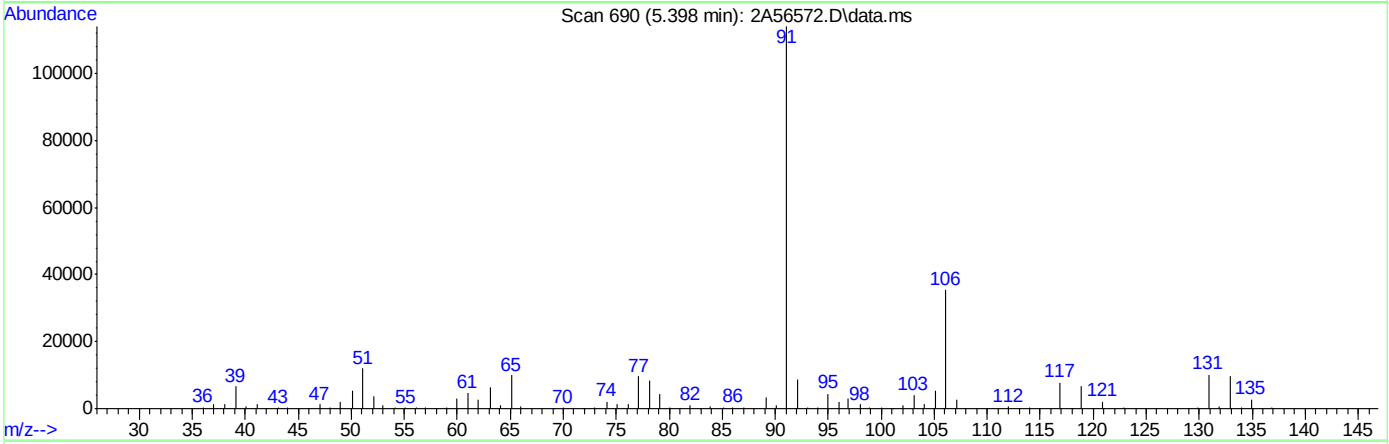
Ion	Exp%	Act%
91.00	100	100
106.00	34.30	30.98
65.00	7.10	8.67
51.00	7.10	10.46

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\07-05-2024\
Data File : 2A56572.D
Acq On : 5 Jul 2024 7:58 am
Operator : lianatr
Sample : BS
Misc : MS56968,V2A1921,,,,,
ALS Vial : 3 Sample Multiplier: 1

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TIC: 2A56572.D\data.ms

(77) Ethylbenzene

5.398min (+0.008) 22.07ug/L m

response 143562

Ion	Exp%	Act%
91.00	100	100
106.00	34.30	30.98
65.00	7.10	8.67
51.00	7.10	10.46

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
07/01/24 08:02

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\V2A1914\
Data File : 2A56405.d
Acq On : 28 Jun 2024 4:36 pm
Operator : lianatr
Sample : FC16676-9MS Inst : MSVOA17
Misc : MS56930,V2A1914,,,,,
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jul 01 05:58:59 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.405	96	251601	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.352	117	183676	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.091	152	109970	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	2.958	113	71208	49.02	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.04%			
49) 1,2-Dichloroethane-d4	3.235	65	87519	50.26	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 100.52%			
63) Toluene-d8	4.336	98	250382	50.29	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.58%			
86) 4-Bromofluorobenzene	6.229	174	85959	49.39	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.78%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.026	85	24811	19.9526	ug/L	96
3) Chloromethane	1.134	50	26007	18.1668	ug/L	100
4) 1,3-butadiene	1.188	39	41335	24.0966	ug/L #	73
5) Vinyl Chloride	1.180	62	27624	19.0876	ug/L	98
6) Bromomethane	1.350	94	10052	15.9792	ug/L	92
7) Chloroethane	1.419	64	16416	20.7836	ug/L	95
8) Trichlorofluoromethane	1.504	101	43459	22.5980	ug/L	99
9) Ethyl Ether	1.658	59	21194	20.6943	ug/L	86
10) Ethanol	1.711	45	6765	430.6918	ug/L	91
11) 1,2-Dichlorotrifluoroe...	1.750	67	33991	34.3789	ug/L	90
12) 1,1-Dichloroethene	1.765	61	44199	22.5991	ug/L	86
13) Freon 113	1.788	101	28343	24.4779	ug/L #	86
14) Carbon Disulfide	1.788	76	67186	19.1088	ug/L	81
15) Iodomethane	1.835	142	18603	20.6436	ug/L	88
16) Acrolein	1.912	56	30282	125.9457	ug/L	98
17) Allyl chloride	1.996	41	43097	22.5408	ug/L	78
18) Methylene Chloride	2.050	49	38296	21.4089	ug/L #	74
19) Acetone	2.050	43	54684	108.1558	ug/L	82
20) Methyl acetate	2.127	43	132681	106.0309	ug/L	87
21) trans-1,2-Dichloroethene	2.142	61	41315	21.2690	ug/L	82
22) Hexane	2.196	56	27328	23.6091	ug/L #	76
23) Methyl Tert Butyl Ether	2.196	73	77986	22.1205	ug/L	84
24) Acetonitrile	2.273	41	37139	218.9316	ug/L	95
25) Tert Butyl Alcohol	2.212	59	51923	257.5728	ug/L #	52
26) Di-isopropyl ether	2.396	45	83289	20.8939	ug/L	86
27) Chloroprene	2.443	53	113536	21.7364	ug/L	93
28) 1,1-Dichloroethane	2.443	63	51602	20.7968	ug/L	98
29) Acrylonitrile	2.443	52	66705	105.8573	ug/L	97
30) ETBE	2.581	59	81659	21.6226	ug/L	91
31) Vinyl acetate	2.566	43	350764	116.3271	ug/L	96
32) cis-1,2-Dichloroethene	2.720	96	30081	21.6724	ug/L #	76
33) 2,2-Dichloropropane	2.781	77	43680	21.7694	ug/L	93
34) Bromochloromethane	2.827	128	14915	21.3707	ug/L #	73
35) Cyclohexane	2.866	56	52378	22.7458	ug/L #	82
36) Chloroform	2.858	83	53409	23.2652	ug/L	95
37) Ethyl acetate	2.912	43	174749	105.7444	ug/L	89
38) Tetrahydrofuran	2.951	42	12410	21.0719	ug/L	84
40) Carbon Tetrachloride	2.966	117	43008m	22.4304	ug/L	
41) 1,1,1-Trichloroethane	2.989	97	47344	21.5137	ug/L	92
42) 2-Butanone	3.004	43	84786	103.0223	ug/L	83
43) 1,1-Dichloropropene	3.058	75	40552	23.3893	ug/L	84
44) tert-Butyl formate	3.097	59	28732	27.8687	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\V2A1914\
Data File : 2A56405.d
Acq On : 28 Jun 2024 4:36 pm
Operator : lianatr
Sample : FC16676-9MS Inst : MSVOA17
Misc : MS56930,V2A1914,,,,,
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jul 01 05:58:59 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Propionitrile	3.143	54	52286	221.9779	ug/L		100
46) Methacrylonitrile	3.166	41	217799	235.0124	ug/L		94
47) Benzene	3.181	78	112227	22.0591	ug/L		83
48) TAME	3.251	73	70642	21.4039	ug/L		88
50) 1,2-Dichloroethane	3.274	62	42515	22.8665	ug/L		96
51) Isobutyl Alcohol	3.258	43	56448	444.8728	ug/L		96
52) Tert Amyl Alcohol	3.320	59	35850	222.7232	ug/L		90
53) Trichloroethene	3.512	95	31833	21.9418	ug/L		92
54) Methylcyclohexane	3.528	83	55476	24.6981	ug/L	#	80
55) Dibromomethane	3.736	93	19710	22.4117	ug/L	#	81
56) 1,2-Dichloropropane	3.789	63	30106	22.9063	ug/L		87
57) Bromodichloromethane	3.828	83	37837	20.5746	ug/L	#	94
58) Methyl methacrylate	3.920	41	28005	22.6274	ug/L	#	67
59) 1,4-Dioxane	3.936	88	5670	446.9452	ug/L		80
61) cis-1,3-Dichloropropene	4.205	75	41668	20.8873	ug/L		78
64) Toluene	4.367	91	120969	21.9509	ug/L		98
65) 2-Nitropropane	4.467	41	55302	114.0511	ug/L		91
66) 4-Methyl-2-pentanone	4.582	43	187581	114.0676	ug/L		85
67) trans-1,3-Dichloropropene	4.613	75	36774	20.1862	ug/L		81
68) Tetrachloroethene	4.628	166	33086	23.2230	ug/L		93
69) Ethyl methacrylate	4.728	69	35351	21.6589	ug/L	#	69
70) 1,1,2-Trichloroethane	4.713	83	21774	21.0327	ug/L		88
71) Dibromochloromethane	4.836	129	28266	21.9929	ug/L		99
72) 1,3-Dichloropropane	4.890	76	43654	24.2449	ug/L		74
73) 1,2-Dibromoethane	4.990	107	27974	22.7546	ug/L		95
74) 3,3-Dimethyl-1-Butanol	5.121	57	243198	1200.0712	ug/L		94
75) 2-hexanone	5.136	43	185064	116.0219	ug/L		75
76) 1-Chlorohexane	5.360	91	42962m	20.5785	ug/L		
77) Ethylbenzene	5.390	91	140038m	21.9331	ug/L		
78) Chlorobenzene	5.367	112	77426	21.7157	ug/L		88
79) 1,1,1,2-Tetrachloroethane	5.406	131	27107	22.2921	ug/L		97
80) m,p-Xylene	5.498	91	221874	42.4977	ug/L		93
81) o-Xylene	5.798	91	113188	20.7025	ug/L		92
82) Styrene	5.837	104	84557	21.4464	ug/L		93
83) Bromoform	5.837	173	18201	19.9704	ug/L		97
84) Isopropylbenzene	6.037	105	137206	21.3077	ug/L		95
87) cis-1,4-Dichloro-2-butene	6.260	53	7910	17.1519	ug/L	#	61
88) n-Propylbenzene	6.345	91	170751	21.0549	ug/L		87
89) Bromobenzene	6.306	156	34477	22.4173	ug/L	#	77
90) 1,1,2,2-Tetrachloroethane	6.368	83	37314	20.6073	ug/L		97
91) 1,3,5-Trimethylbenzene	6.506	105	118825	21.5746	ug/L		96
92) 2-Chlorotoluene	6.452	91	94894	21.2000	ug/L		93
93) trans-1,4-Dichloro-2-B...	6.499	53	11156	19.1295	ug/L	#	62
94) 1,2,3-Trichloropropane	6.468	110	11604	24.4644	ug/L		79
95) Cyclohexanone	6.483	55	5800	106.8721	ug/L	#	82
96) 4-Chlorotoluene	6.576	91	100770	21.0254	ug/L		89
97) tert-Butylbenzene	6.745	91	70932	21.4102	ug/L		86
98) 1,2,4-Trimethylbenzene	6.799	105	113229	21.9768	ug/L		97
99) Pentachloroethane	6.745	167	18854	22.7172	ug/L	#	70
100) sec-Butylbenzene	6.891	105	147217	21.1045	ug/L		94
101) 4-Isopropyltoluene	7.007	119	126119	21.2914	ug/L		95
102) 1,3-Dichlorobenzene	7.037	146	64275	21.4870	ug/L		95
103) 1,2,3-Trimethylbenzene	7.137	105	108606	21.2689	ug/L		98
104) 1,4-Dichlorobenzene	7.107	146	65275	21.8153	ug/L		94
105) n-Butylbenzene	7.337	92	62594	23.1043	ug/L		93
106) Benzyl Chloride	7.291	126	12957	19.4886	ug/L	#	70
107) 1,2-Dichlorobenzene	7.422	146	59510	22.1782	ug/L		92
108) 1,2-Dibromo-3-Chloropr...	8.007	75	7687	20.9396	ug/L	#	56

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\V2A1914\
Data File : 2A56405.d
Acq On : 28 Jun 2024 4:36 pm
Operator : lianatr
Sample : FC16676-9MS Inst : MSVOA17
Misc : MS56930,V2A1914,,,,,
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jul 01 05:58:59 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration

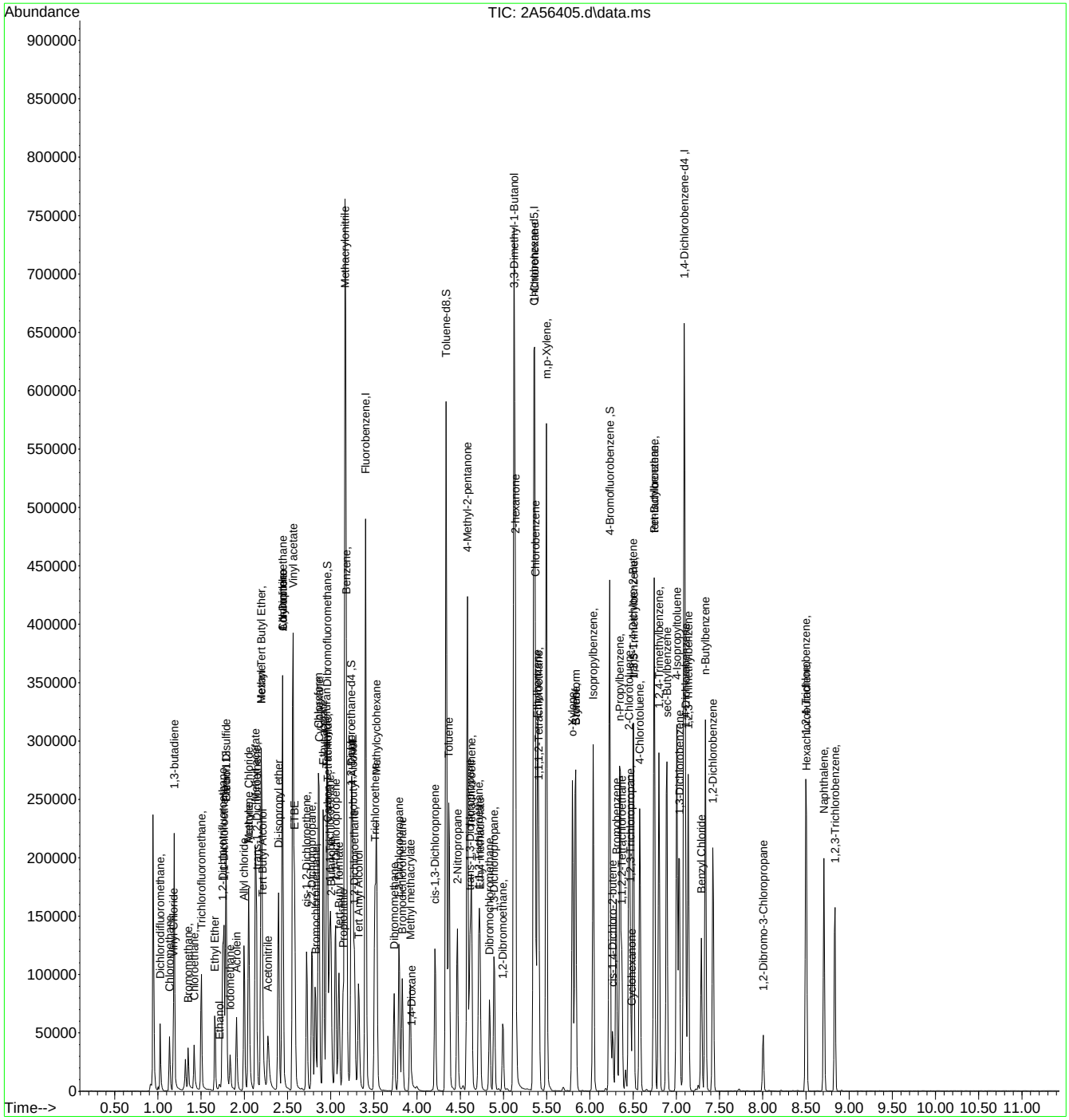
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
109) Hexachlorobutadiene	8.507	225	17345	22.8191	ug/L	88
110) 1,2,4-Trichlorobenzene	8.500	180	35589	21.7990	ug/L	95
111) Naphthalene	8.707	128	94648	21.2216	ug/L	100
112) 1,2,3-Trichlorobenzene	8.838	180	32145	22.0249	ug/L	96

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

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\V2A1914\
Data File : 2A56405.d
Acq On : 28 Jun 2024 4:36 pm
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Sample : FC16676-9MS Inst : MSVOA17
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ALS Vial : 25 Sample Multiplier: 1

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Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: FC16676-9MS
Lab FileID: 2A56405.D
Injection Time: 06/28/24 16:36

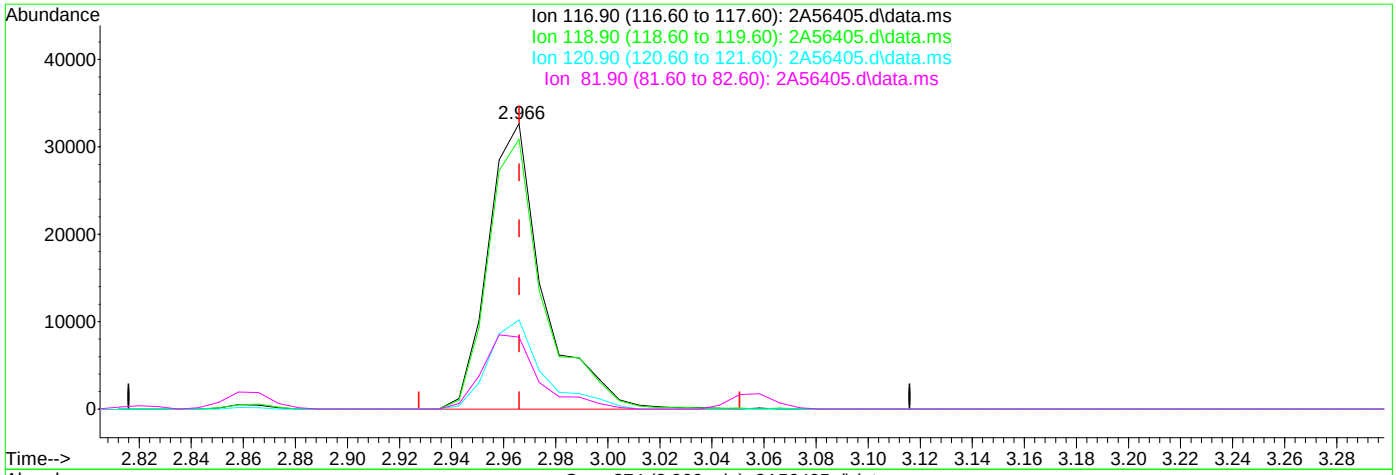
Method: SW846 8260D
Analyst approved: 07/01/24 02:11 Lotus Acosta
Supervisor approved: 07/01/24 08:02 Karen Watson

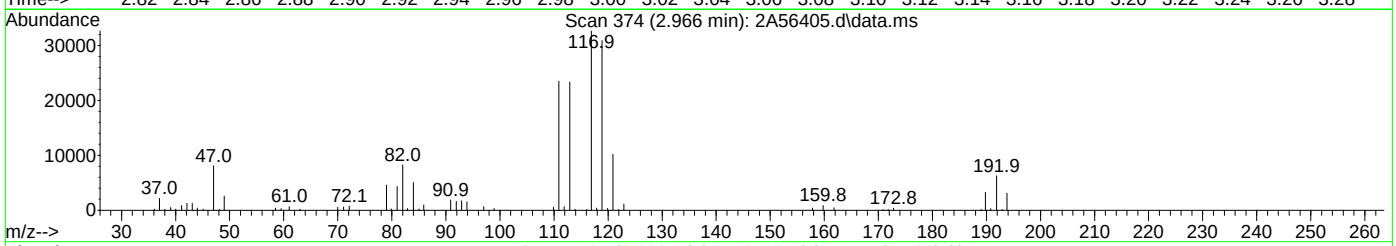
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		2.97	Overlapping peak
1-Chlorohexane	544-10-5		5.36	Overlapping peak
Ethylbenzene	100-41-4		5.39	Overlapping peak

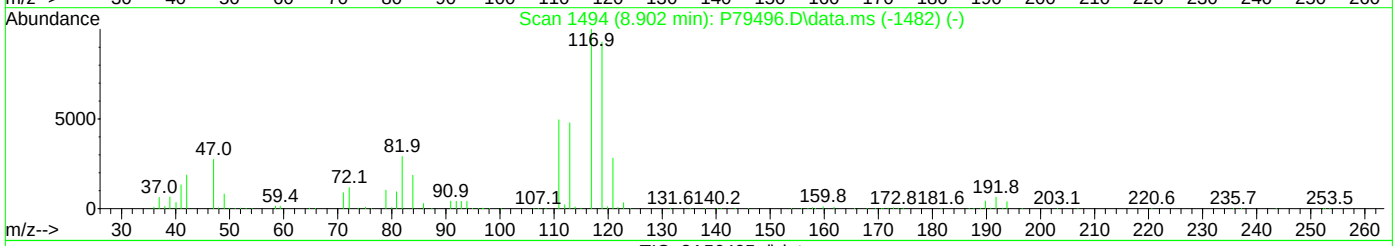
Quantitation Report (Qedit)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\V2A1914\
Data File : 2A56405.d
Acq On : 28 Jun 2024 4:36 pm
Operator : lianatr
Sample : FC16676-9MS Inst : MSVOA17
Misc : MS56930,V2A1914,,,,,
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jul 01 05:02:09 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration







TIC: 2A56405.d\data.ms

(40) Carbon Tetrachloride ( )

2.966min (-0.000) 25.18ug/L

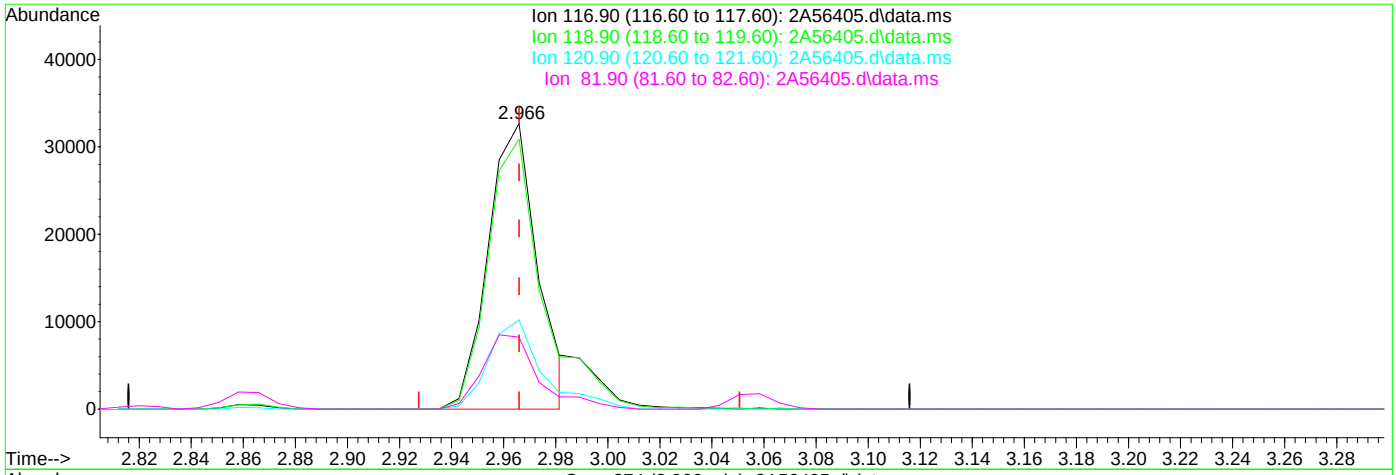
response 48276

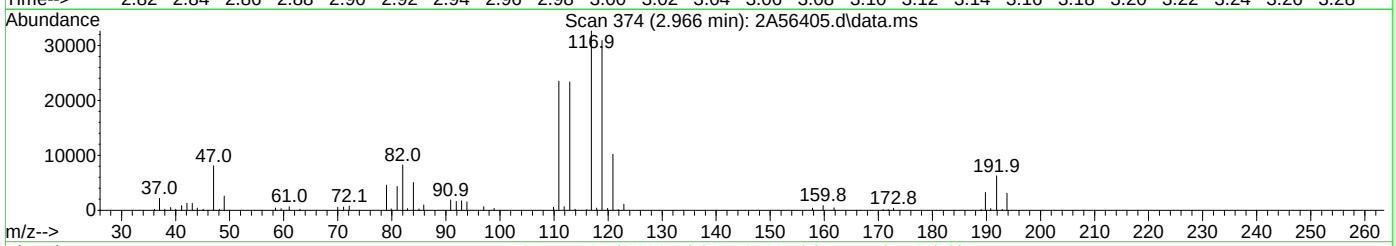
Ion	Exp%	Act%
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118.90	96.30	94.54
120.90	31.00	31.19
81.90	19.00	25.18

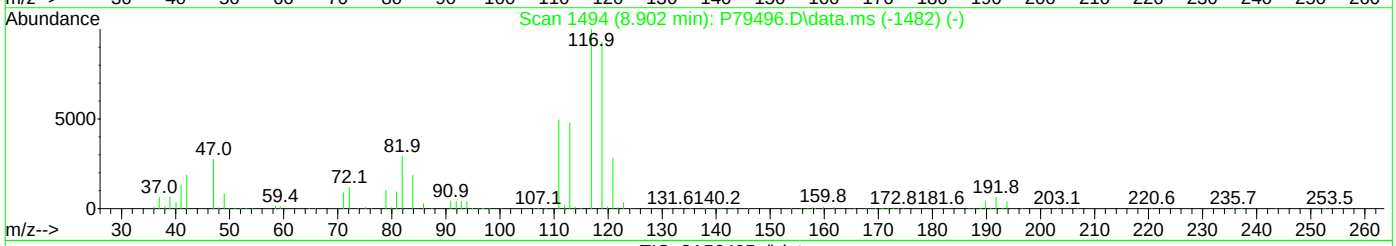
Quantitation Report (Qedit)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\V2A1914\
Data File : 2A56405.d
Acq On : 28 Jun 2024 4:36 pm
Operator : lianatr
Sample : FC16676-9MS Inst : MSVOA17
Misc : MS56930,V2A1914,,,,,
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jul 01 05:02:09 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration







TIC: 2A56405.d\data.ms

(40) Carbon Tetrachloride ( )

2.966min (-0.000) 22.43ug/L m

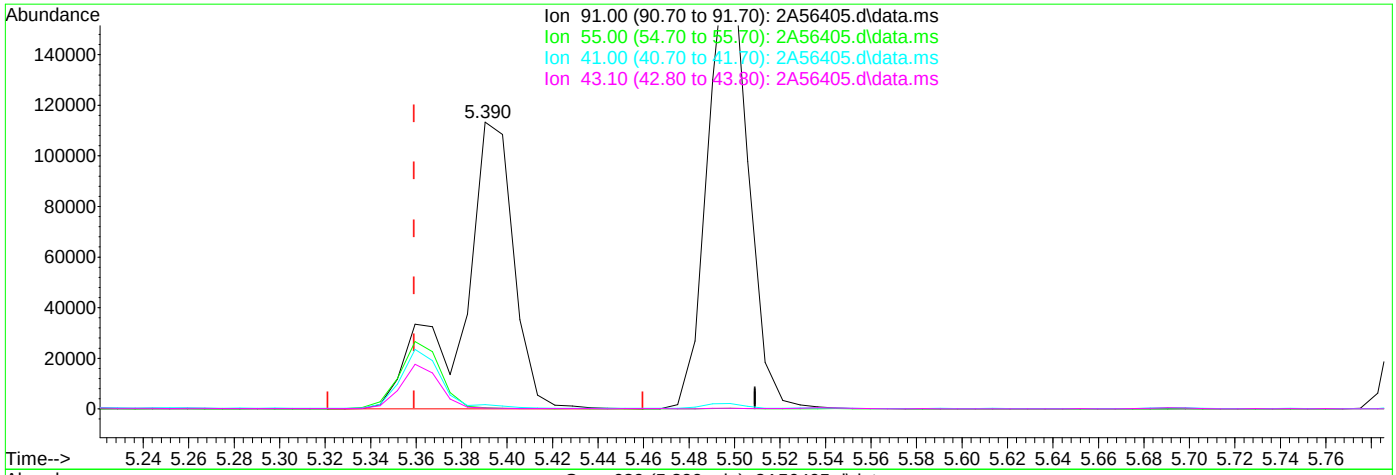
response 43008

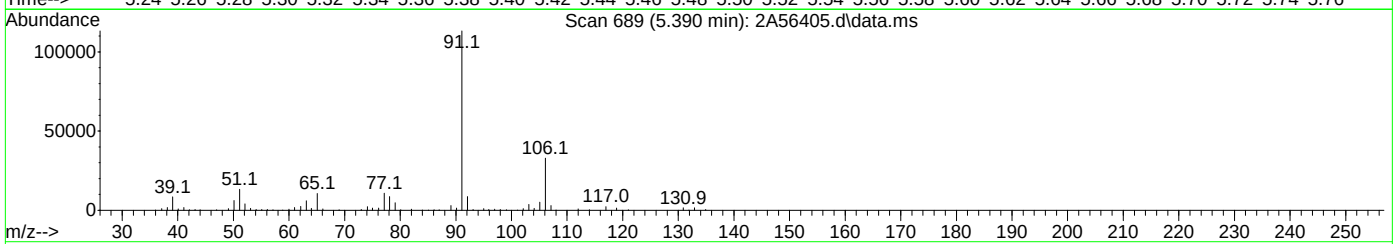
Ion	Exp%	Act%
116.90	100	100
118.90	96.30	94.54
120.90	31.00	31.19
81.90	19.00	25.18

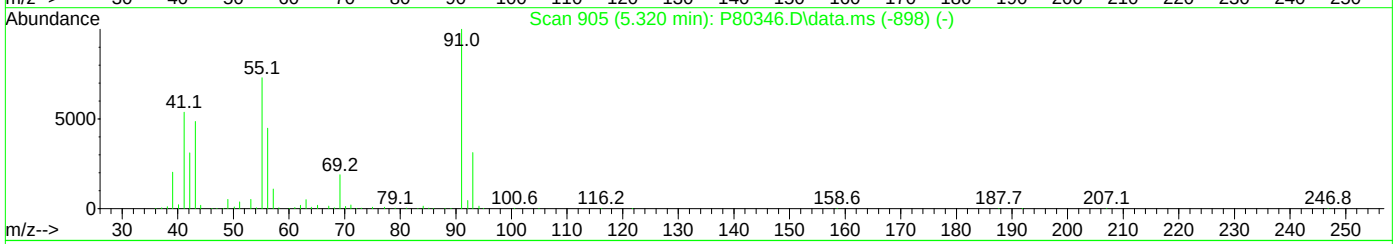
Quantitation Report (Qedit)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\V2A1914\
Data File : 2A56405.d
Acq On : 28 Jun 2024 4:36 pm
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Misc : MS56930,V2A1914,,,,,
ALS Vial : 25 Sample Multiplier: 1

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Quant Title : SW-846 Method 5035A/8260B
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TIC: 2A56405.d\data.ms

(76) 1-Chlorohexane

5.390min (+0.031) 87.74ug/L

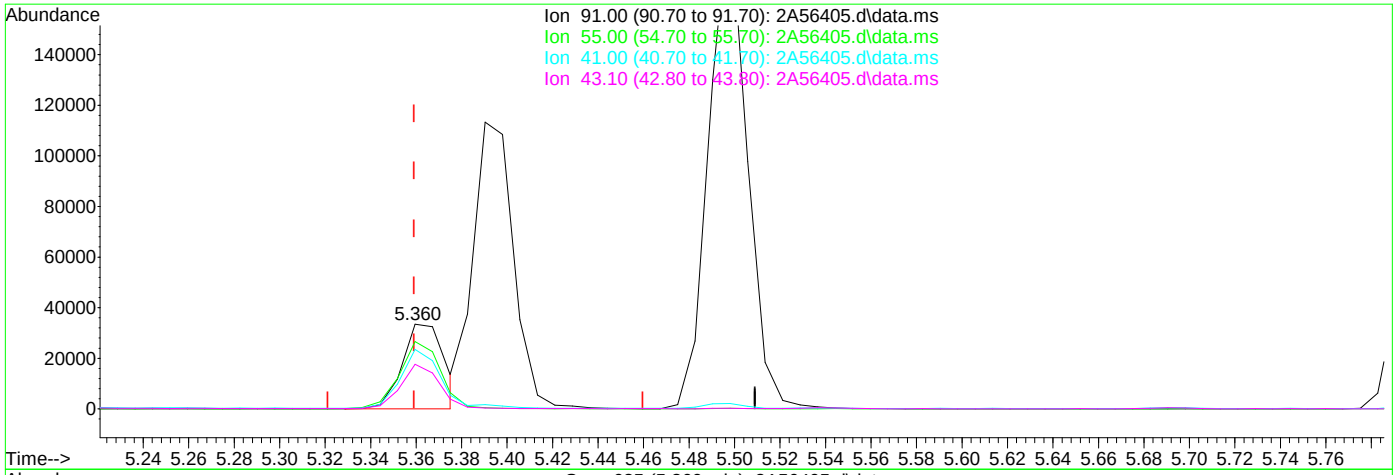
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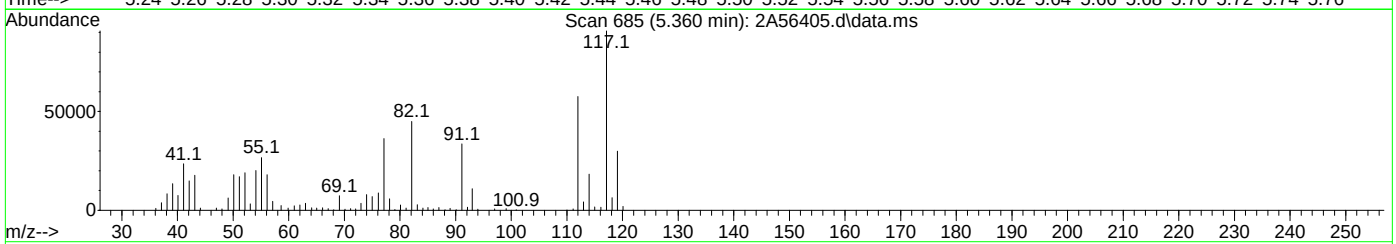
Ion	Exp%	Act%
91.00	100	100
55.00	58.90	0.41#
41.00	39.20	1.30#
43.10	33.20	0.25#

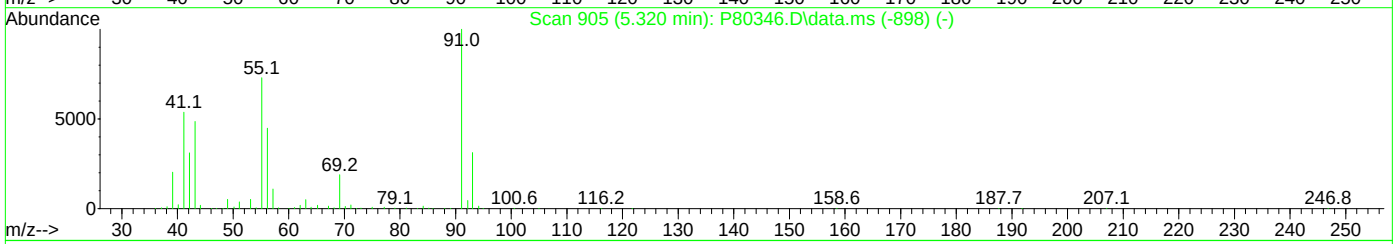
Quantitation Report (Qedit)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\V2A1914\
Data File : 2A56405.d
Acq On : 28 Jun 2024 4:36 pm
Operator : lianatr
Sample : FC16676-9MS Inst : MSVOA17
Misc : MS56930,V2A1914,,,,,
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jul 01 05:02:09 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration







TIC: 2A56405.d\data.ms

(76) 1-Chlorohexane

5.360min (+0.001) 20.58ug/L m

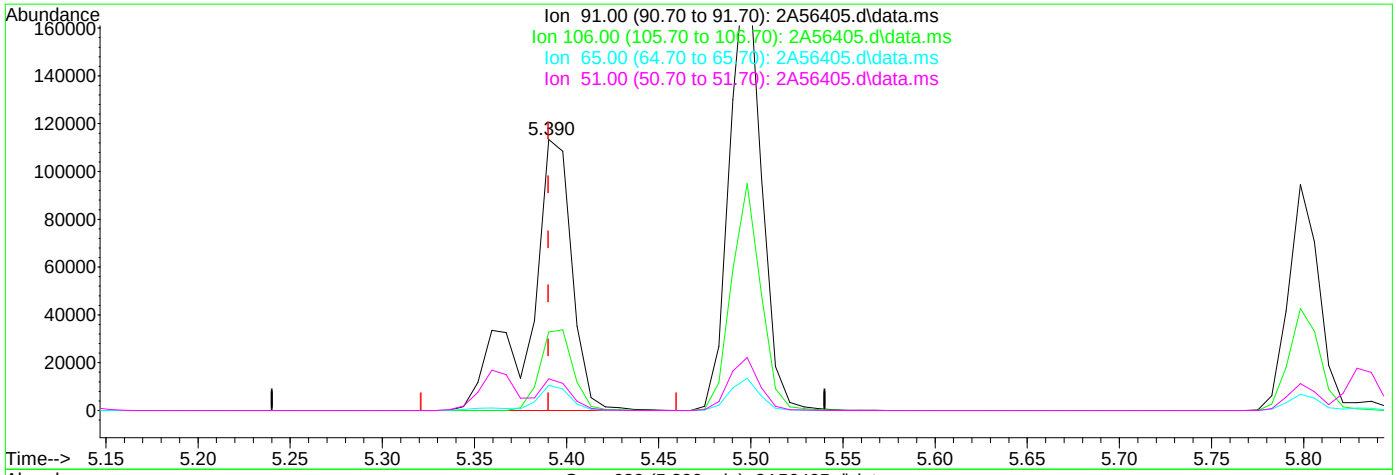
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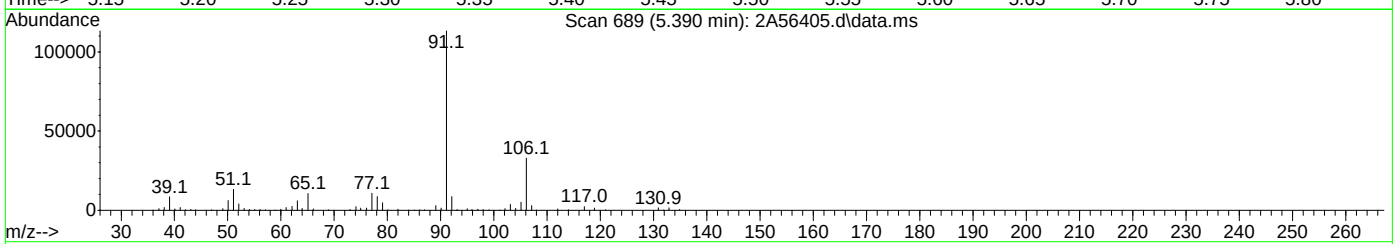
Ion	Exp%	Act%
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55.00	58.90	79.30#
41.00	39.20	70.06#
43.10	33.20	52.60

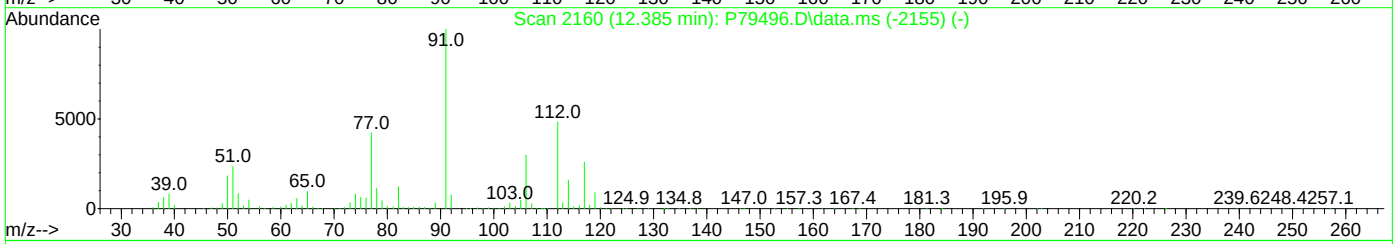
Quantitation Report (Qedit)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\V2A1914\
Data File : 2A56405.d
Acq On : 28 Jun 2024 4:36 pm
Operator : lianatr
Sample : FC16676-9MS Inst : MSVOA17
Misc : MS56930,V2A1914,,,,,
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jul 01 05:02:09 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration







TIC: 2A56405.d\data.ms

(77) Ethylbenzene

5.390min (+0.000) 28.69ug/L

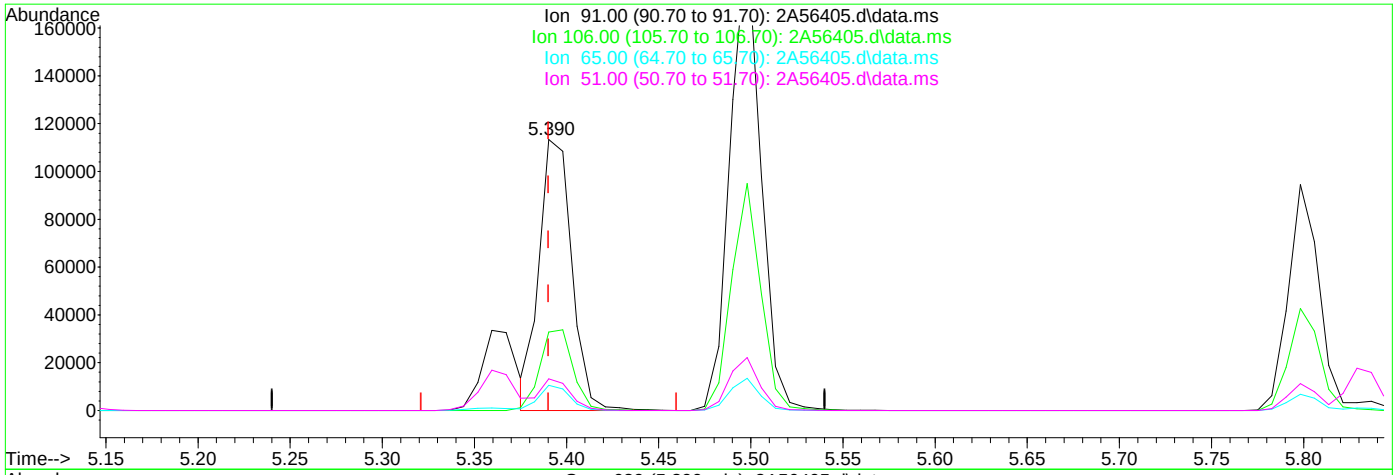
response 183180

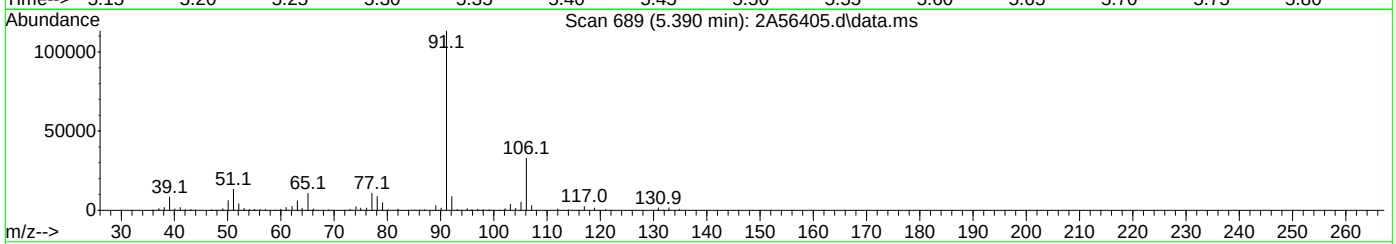
Ion	Exp%	Act%
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106.00	34.30	28.93
65.00	7.10	9.33
51.00	7.10	11.70

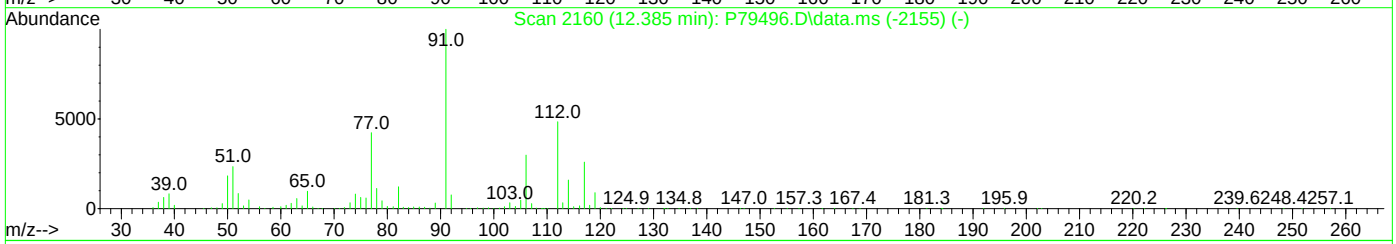
Quantitation Report (Qedit)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\V2A1914\
Data File : 2A56405.d
Acq On : 28 Jun 2024 4:36 pm
Operator : lianatr
Sample : FC16676-9MS Inst : MSVOA17
Misc : MS56930,V2A1914,,,,,
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jul 01 05:02:09 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration







TIC: 2A56405.d\data.ms

(77) Ethylbenzene

5.390min (+0.000) 21.93ug/L m

response 140038

Ion	Exp%	Act%
91.00	100	100
106.00	34.30	28.93
65.00	7.10	9.33
51.00	7.10	11.70

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
07/01/24 08:02

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\V2A1914\
Data File : 2A56406.d
Acq On : 28 Jun 2024 5:00 pm
Operator : lianatr
Sample : FC16676-9MSD Inst : MSVOA17
Misc : MS56930,V2A1914,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jul 01 06:02:08 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.405	96	254620	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.352	117	183710	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.091	152	110368	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	2.950	113	71652	48.74	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.48%			
49) 1,2-Dichloroethane-d4	3.235	65	87769	49.81	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 99.62%			
63) Toluene-d8	4.336	98	253333	50.87	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 101.74%			
86) 4-Bromofluorobenzene	6.229	174	86252	49.38	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.76%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.019	85	24287	19.2996	ug/L	97
3) Chloromethane	1.126	50	25349	17.4972	ug/L	97
4) 1,3-butadiene	1.180	39	38282	21.9405	ug/L #	72
5) Vinyl Chloride	1.173	62	26348	17.9900	ug/L	99
6) Bromomethane	1.350	94	11840	18.5983	ug/L	96
7) Chloroethane	1.411	64	15906	19.8385	ug/L	94
8) Trichlorofluoromethane	1.496	101	42218	21.6924	ug/L	98
9) Ethyl Ether	1.658	59	22756	21.9560	ug/L	91
10) Ethanol	1.711	45	7716	485.4124	ug/L	100
11) 1,2-Dichlorotrifluoroe...	1.742	67	36595	36.5738	ug/L	87
12) 1,1-Dichloroethene	1.758	61	46987	23.7397	ug/L	84
13) Freon 113	1.788	101	30338	25.8901	ug/L	90
14) Carbon Disulfide	1.781	76	71885	20.2029	ug/L	80
15) Iodomethane	1.835	142	24363	26.3187	ug/L	89
16) Acrolein	1.904	56	29932	123.0139	ug/L	96
17) Allyl chloride	1.996	41	40922	21.1494	ug/L	80
18) Methylene Chloride	2.042	49	41943	23.1697	ug/L #	69
19) Acetone	2.050	43	54215	105.9568	ug/L	82
20) Methyl acetate	2.119	43	145324	114.7574	ug/L	85
21) trans-1,2-Dichloroethene	2.135	61	44464	22.6187	ug/L	78
22) Hexane	2.196	56	29719	25.3703	ug/L #	81
23) Methyl Tert Butyl Ether	2.189	73	84199	23.5996	ug/L	87
24) Acetonitrile	2.273	41	37149	216.3940	ug/L	96
25) Tert Butyl Alcohol	2.212	59	62434	306.0421	ug/L	83
26) Di-isopropyl ether	2.389	45	89875	22.2787	ug/L	85
27) Chloroprene	2.435	53	110152	20.8385	ug/L	90
28) 1,1-Dichloroethane	2.443	63	55541	22.1189	ug/L	97
29) Acrylonitrile	2.435	52	64971	101.8830	ug/L	99
30) ETBE	2.581	59	88237	23.0874	ug/L	92
31) Vinyl acetate	2.558	43	347772	113.9674	ug/L	96
32) cis-1,2-Dichloroethene	2.720	96	31915	22.7479	ug/L #	79
33) 2,2-Dichloropropane	2.781	77	46682	22.9896	ug/L	93
34) Bromochloromethane	2.820	128	15923	22.5445	ug/L #	64
35) Cyclohexane	2.858	56	56707	24.3338	ug/L #	83
36) Chloroform	2.858	83	57473	24.7387	ug/L	94
37) Ethyl acetate	2.912	43	179228	107.1688	ug/L	89
38) Tetrahydrofuran	2.943	42	13584	22.7918	ug/L #	81
40) Carbon Tetrachloride	2.958	117	47489m	24.4738	ug/L	
41) 1,1,1-Trichloroethane	2.989	97	51097	22.9438	ug/L	92
42) 2-Butanone	2.997	43	85006	102.0649	ug/L	79
43) 1,1-Dichloropropene	3.051	75	43869	25.0025	ug/L	77
44) tert-Butyl formate	3.097	59	37364	35.8117	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\V2A1914\
Data File : 2A56406.d
Acq On : 28 Jun 2024 5:00 pm
Operator : lianatr
Sample : FC16676-9MSD Inst : MSVOA17
Misc : MS56930,V2A1914,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jul 01 06:02:08 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
45) Propionitrile	3.143	54	51524	216.1493	ug/L	98
46) Methacrylonitrile	3.166	41	208256	222.0508	ug/L	93
47) Benzene	3.181	78	121510	23.6005	ug/L	89
48) TAME	3.251	73	76355	22.8605	ug/L	79
50) 1,2-Dichloroethane	3.274	62	44714	23.7641	ug/L	98
51) Isobutyl Alcohol	3.251	43	62528	486.9469	ug/L	83
52) Tert Amyl Alcohol	3.320	59	43951	269.8143	ug/L	92
53) Trichloroethene	3.505	95	34339	23.3885	ug/L	83
54) Methylcyclohexane	3.528	83	58362	25.6749	ug/L #	81
55) Dibromomethane	3.736	93	21094	23.7010	ug/L	89
56) 1,2-Dichloropropane	3.789	63	31392	23.6015	ug/L	89
57) Bromodichloromethane	3.828	83	39429	21.1861	ug/L #	96
58) Methyl methacrylate	3.920	41	28185	22.5028	ug/L #	66
59) 1,4-Dioxane	3.936	88	7884	614.0980	ug/L	78
61) cis-1,3-Dichloropropene	4.205	75	45235	22.4065	ug/L	77
64) Toluene	4.367	91	130675	23.7077	ug/L	99
65) 2-Nitropropane	4.467	41	61406	126.6161	ug/L	91
66) 4-Methyl-2-pentanone	4.582	43	185113	112.5460	ug/L	86
67) trans-1,3-Dichloropropene	4.613	75	39711	21.7944	ug/L	80
68) Tetrachloroethene	4.628	166	35580	24.9689	ug/L	92
69) Ethyl methacrylate	4.728	69	33213	20.3452	ug/L #	69
70) 1,1,2-Trichloroethane	4.713	83	23404	22.6030	ug/L	87
71) Dibromochloromethane	4.836	129	30379	23.6326	ug/L	98
72) 1,3-Dichloropropane	4.890	76	46753	25.9612	ug/L	74
73) 1,2-Dibromoethane	4.990	107	29400	23.9101	ug/L	97
74) 3,3-Dimethyl-1-Butanol	5.121	57	266629	1315.4490	ug/L	95
75) 2-hexanone	5.136	43	187196	117.3368	ug/L	77
76) 1-Chlorohexane	5.359	91	46899m	22.4601	ug/L	
77) Ethylbenzene	5.390	91	150061m	23.4986	ug/L	
78) Chlorobenzene	5.359	112	84695	23.7501	ug/L	83
79) 1,1,1,2-Tetrachloroethane	5.406	131	29522	24.2737	ug/L	97
80) m,p-Xylene	5.498	91	239170	45.8021	ug/L	93
81) o-Xylene	5.798	91	121369	22.1948	ug/L	93
82) Styrene	5.829	104	90254	22.8871	ug/L	86
83) Bromoform	5.837	173	20351	22.3253	ug/L	97
84) Isopropylbenzene	6.037	105	146845	22.8004	ug/L	96
87) cis-1,4-Dichloro-2-butene	6.260	53	8224	17.7684	ug/L #	62
88) n-Propylbenzene	6.352	91	185113	22.7435	ug/L	91
89) Bromobenzene	6.306	156	37217	24.1117	ug/L #	79
90) 1,1,2,2-Tetrachloroethane	6.368	83	41330	22.7428	ug/L	96
91) 1,3,5-Trimethylbenzene	6.499	105	126635	22.9097	ug/L	92
92) 2-Chlorotoluene	6.452	91	101789	22.6584	ug/L	93
93) trans-1,4-Dichloro-2-B...	6.499	53	13027	22.2572	ug/L #	63
94) 1,2,3-Trichloropropane	6.468	110	12331	25.9033	ug/L #	78
95) Cyclohexanone	6.483	55	6872	126.1684	ug/L #	79
96) 4-Chlorotoluene	6.575	91	108509	22.5585	ug/L	88
97) tert-Butylbenzene	6.745	91	76340	22.9595	ug/L	85
98) 1,2,4-Trimethylbenzene	6.799	105	121050	23.4101	ug/L	96
99) Pentachloroethane	6.745	167	18836	22.6137	ug/L #	52
100) sec-Butylbenzene	6.891	105	159273	22.7505	ug/L	94
101) 4-Isopropyltoluene	7.006	119	137151	23.0703	ug/L	94
102) 1,3-Dichlorobenzene	7.037	146	68621	22.8572	ug/L	95
103) 1,2,3-Trimethylbenzene	7.137	105	120296	23.4733	ug/L	96
104) 1,4-Dichlorobenzene	7.107	146	69794	23.2415	ug/L	94
105) n-Butylbenzene	7.337	92	68650	25.2483	ug/L	96
106) Benzyl Chloride	7.291	126	13859	20.7701	ug/L #	63
107) 1,2-Dichlorobenzene	7.422	146	63254	23.4885	ug/L	90
108) 1,2-Dibromo-3-Chloropr...	8.007	75	8623	23.4046	ug/L #	57

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\V2A1914\
Data File : 2A56406.d
Acq On : 28 Jun 2024 5:00 pm
Operator : lianatr
Sample : FC16676-9MSD Inst : MSVOA17
Misc : MS56930,V2A1914,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jul 01 06:02:08 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration

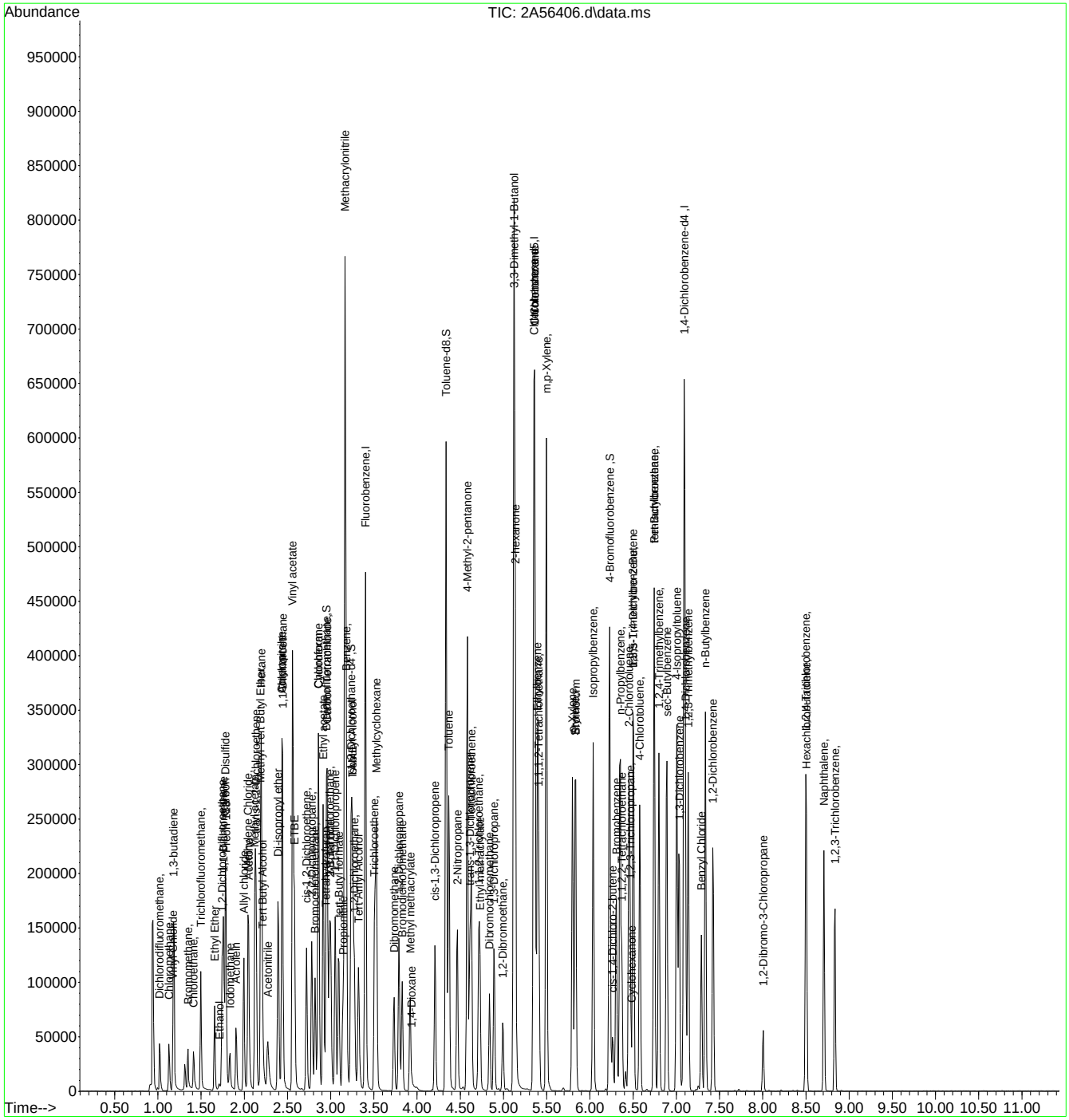
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
109) Hexachlorobutadiene	8.507	225	18788	24.6284	ug/L	89
110) 1,2,4-Trichlorobenzene	8.500	180	38782	23.6691	ug/L	96
111) Naphthalene	8.707	128	103032	23.0182	ug/L	100
112) 1,2,3-Trichlorobenzene	8.838	180	34769	23.7369	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\V2A1914\
Data File : 2A56406.d
Acq On : 28 Jun 2024 5:00 pm
Operator : lianatr
Sample : FC16676-9MSD Inst : MSVOA17
Misc : MS56930,V2A1914,,,,,
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Quant Time: Jul 01 06:02:08 2024
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Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
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Manual Integration Approval Summary

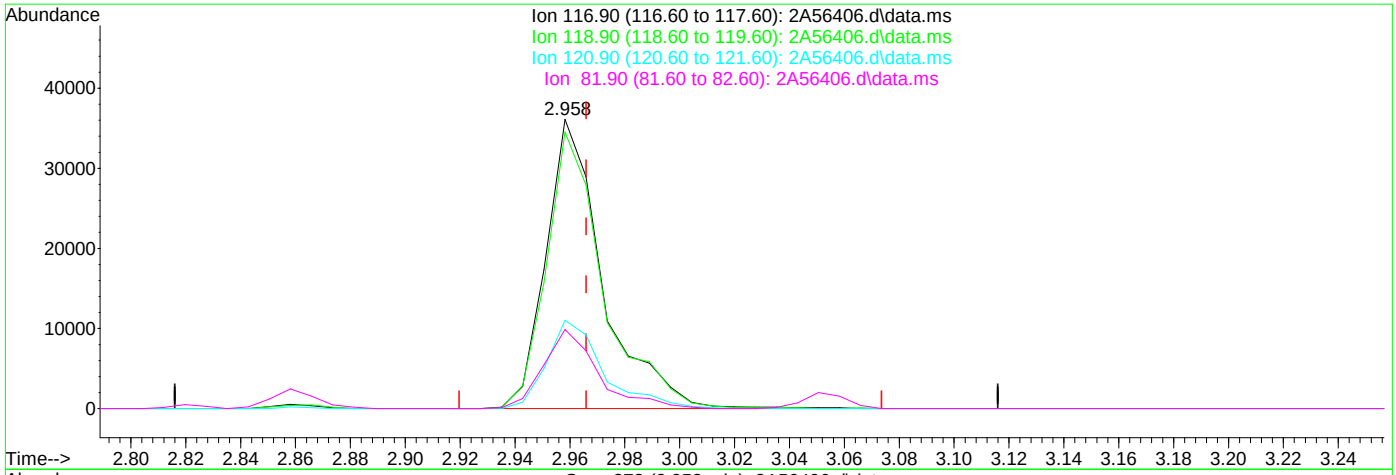
Sample Number: FC16676-9MSD
Lab FileID: 2A56406.D
Injection Time: 06/28/24 17:00
Method: SW846 8260D
Analyst approved: 07/01/24 02:11 Lotus Acosta
Supervisor approved: 07/01/24 08:02 Karen Watson

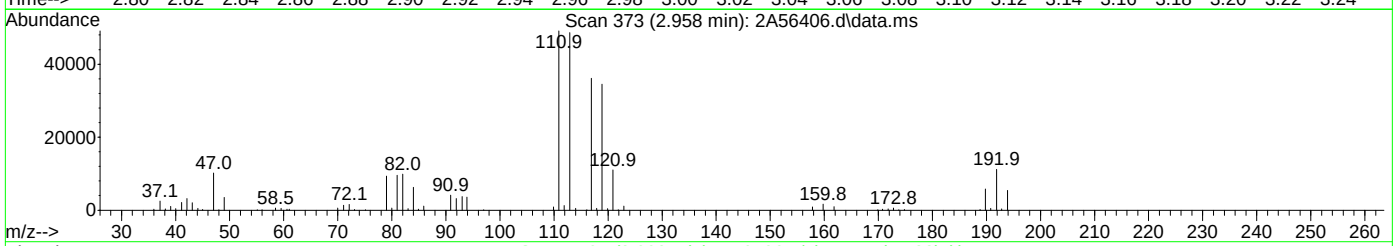
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		2.96	Overlapping peak
1-Chlorohexane	544-10-5		5.36	Overlapping peak
Ethylbenzene	100-41-4		5.39	Overlapping peak

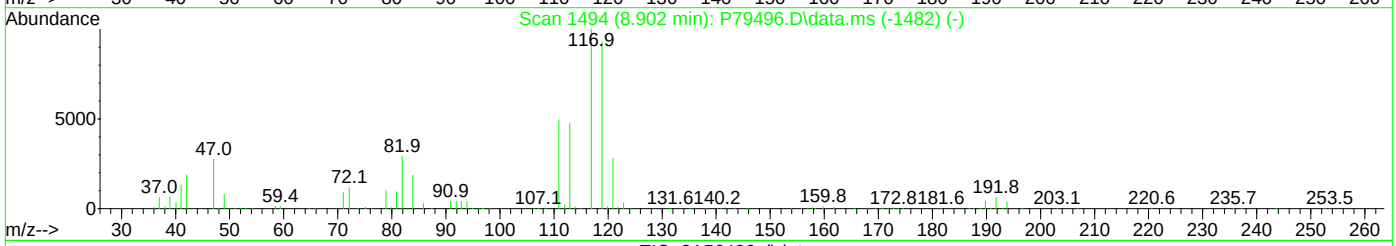
Quantitation Report (Qedit)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\V2A1914\
Data File : 2A56406.d
Acq On : 28 Jun 2024 5:00 pm
Operator : lianatr
Sample : FC16676-9MSD Inst : MSVOA17
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Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration







TIC: 2A56406.d\data.ms

(40) Carbon Tetrachloride ( )

2.958min (-0.008) 26.94ug/L

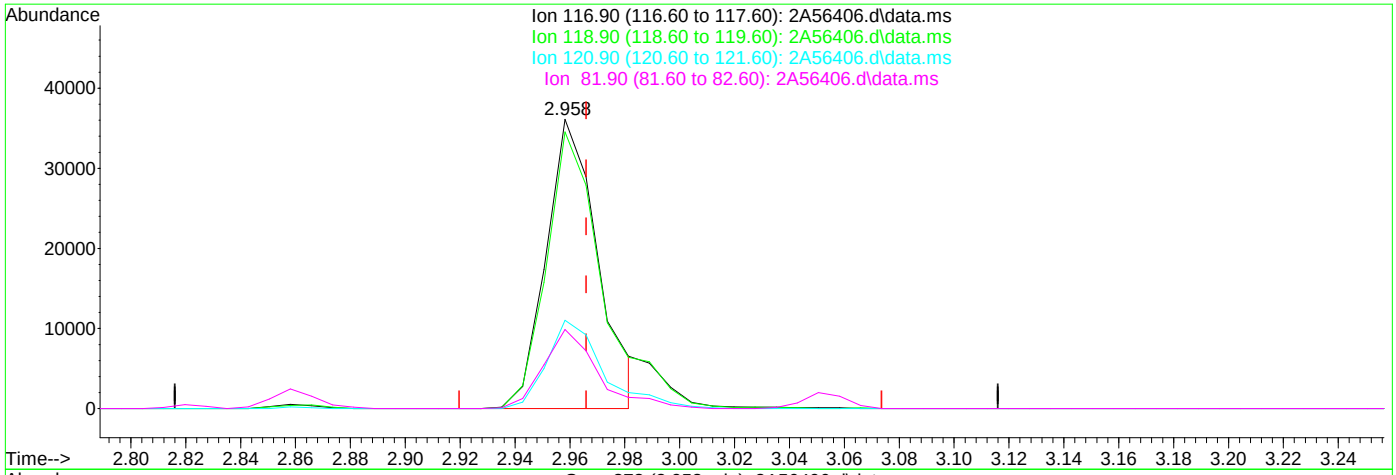
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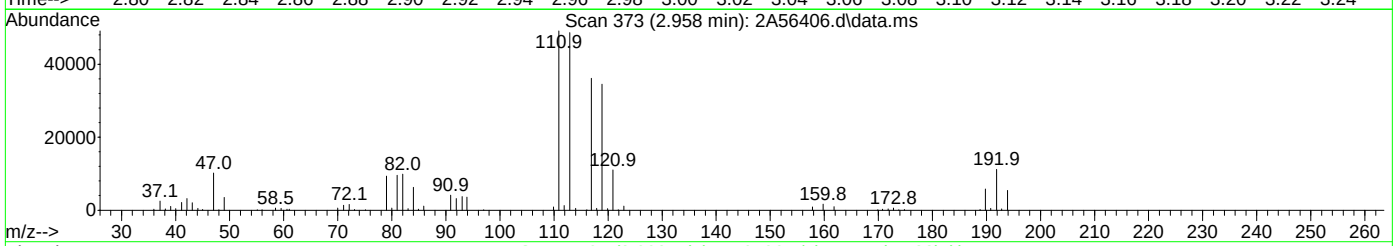
Ion	Exp%	Act%
116.90	100	100
118.90	96.30	95.64
120.90	31.00	30.50
81.90	19.00	27.37

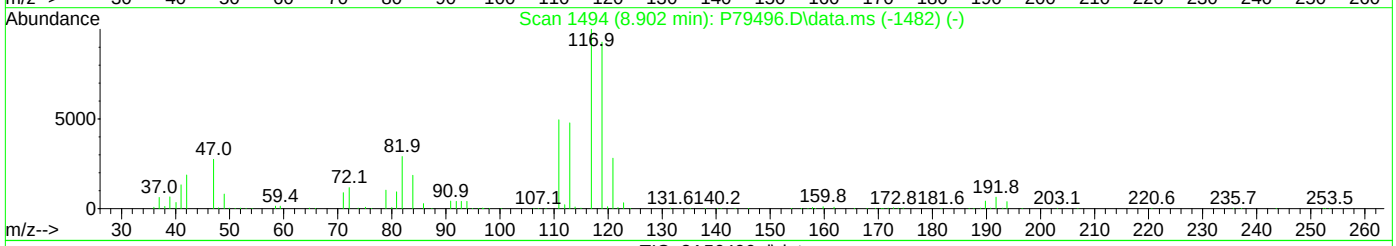
Quantitation Report (Qedit)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\V2A1914\
Data File : 2A56406.d
Acq On : 28 Jun 2024 5:00 pm
Operator : lianatr
Sample : FC16676-9MSD Inst : MSVOA17
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Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration







TIC: 2A56406.d\data.ms

(40) Carbon Tetrachloride ( )

2.958min (-0.008) 24.47ug/L m

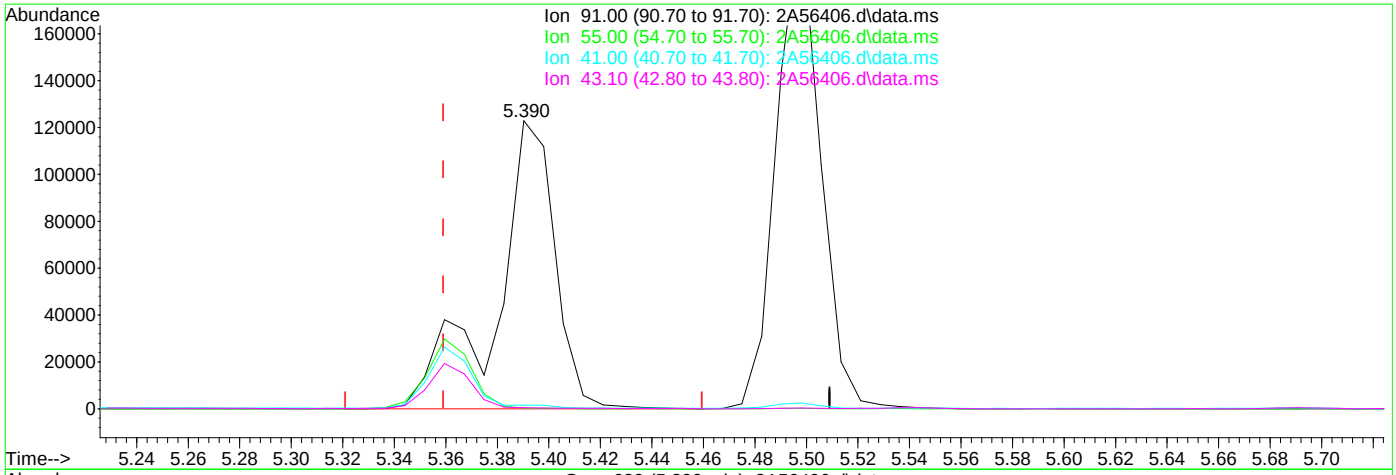
response 47489

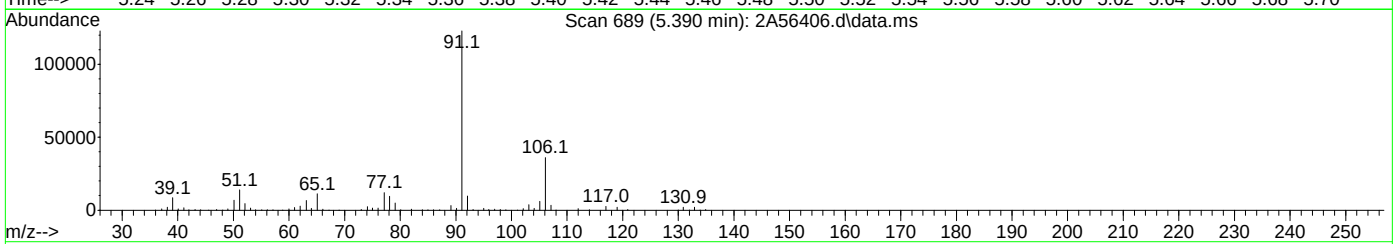
Ion	Exp%	Act%
116.90	100	100
118.90	96.30	95.64
120.90	31.00	30.50
81.90	19.00	27.37

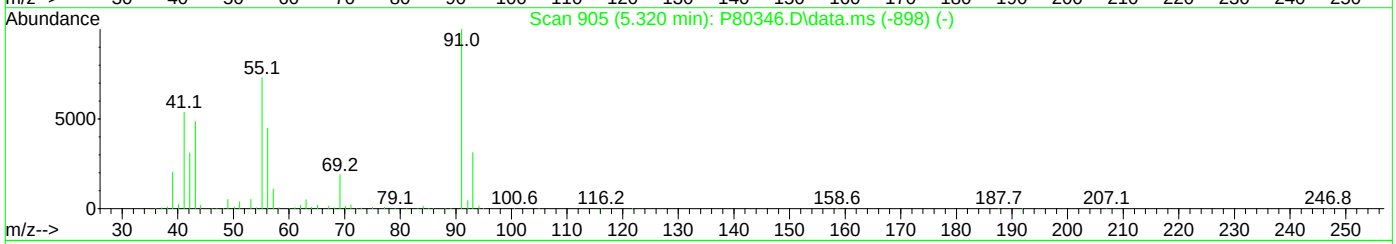
Quantitation Report (Qedit)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\V2A1914\
Data File : 2A56406.d
Acq On : 28 Jun 2024 5:00 pm
Operator : lianatr
Sample : FC16676-9MSD Inst : MSVOA17
Misc : MS56930,V2A1914,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jul 01 05:02:18 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration







TIC: 2A56406.d\data.ms

(76) 1-Chlorohexane

5.390min (+0.031) 94.42ug/L

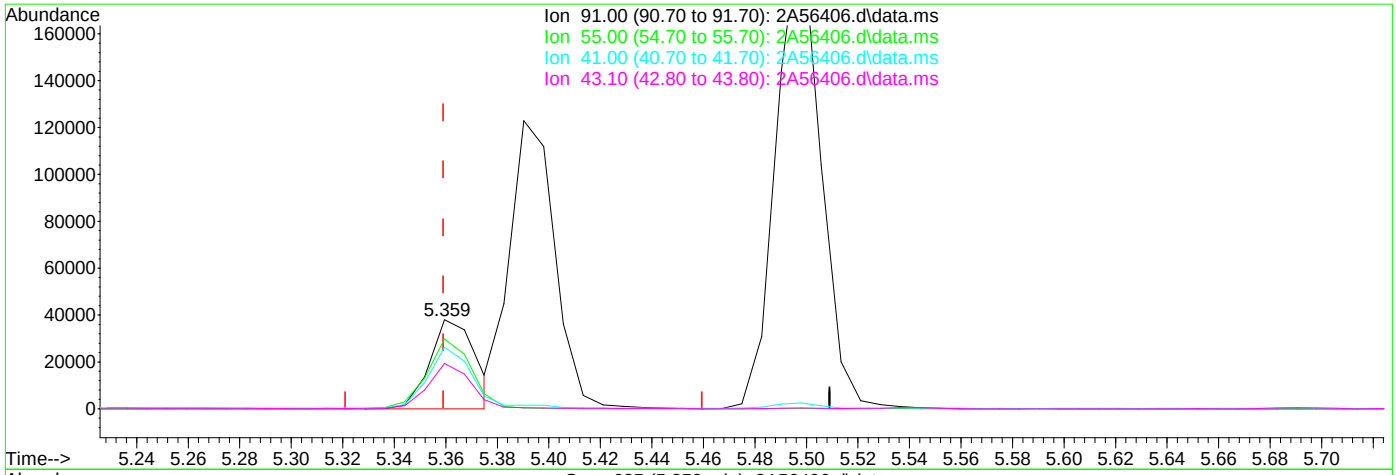
response 197161

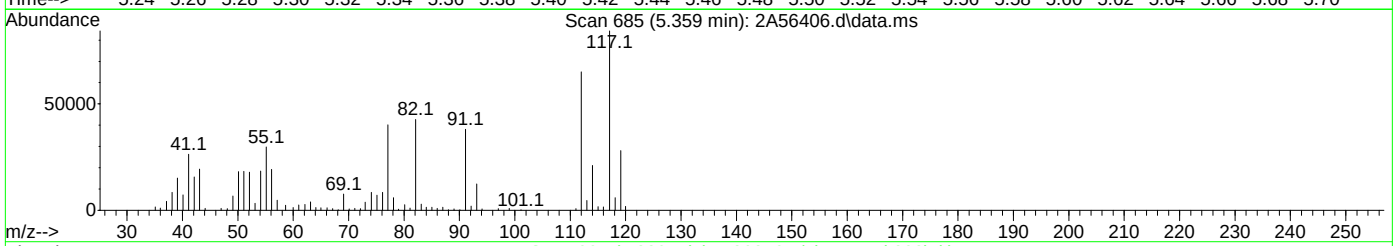
Ion	Exp%	Act%
91.00	100	100
55.00	58.90	0.29#
41.00	39.20	1.10#
43.10	33.20	0.34#

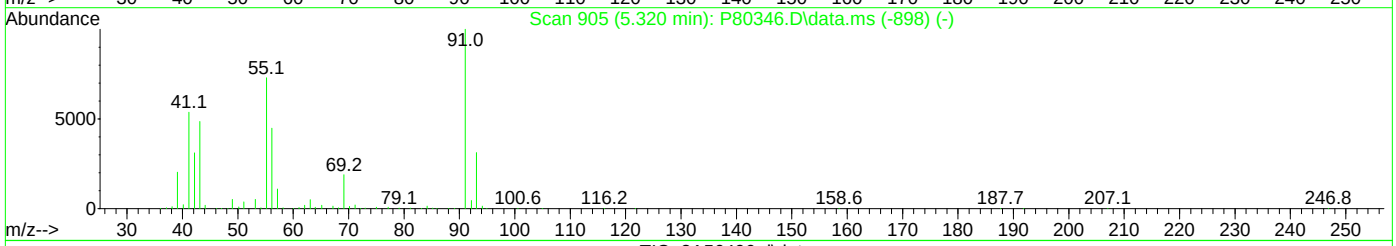
Quantitation Report (Qedit)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\V2A1914\
Data File : 2A56406.d
Acq On : 28 Jun 2024 5:00 pm
Operator : lianatr
Sample : FC16676-9MSD Inst : MSVOA17
Misc : MS56930,V2A1914,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jul 01 05:02:18 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration







TIC: 2A56406.d\data.ms

(76) 1-Chlorohexane

5.359min (+0.000) 22.46ug/L m

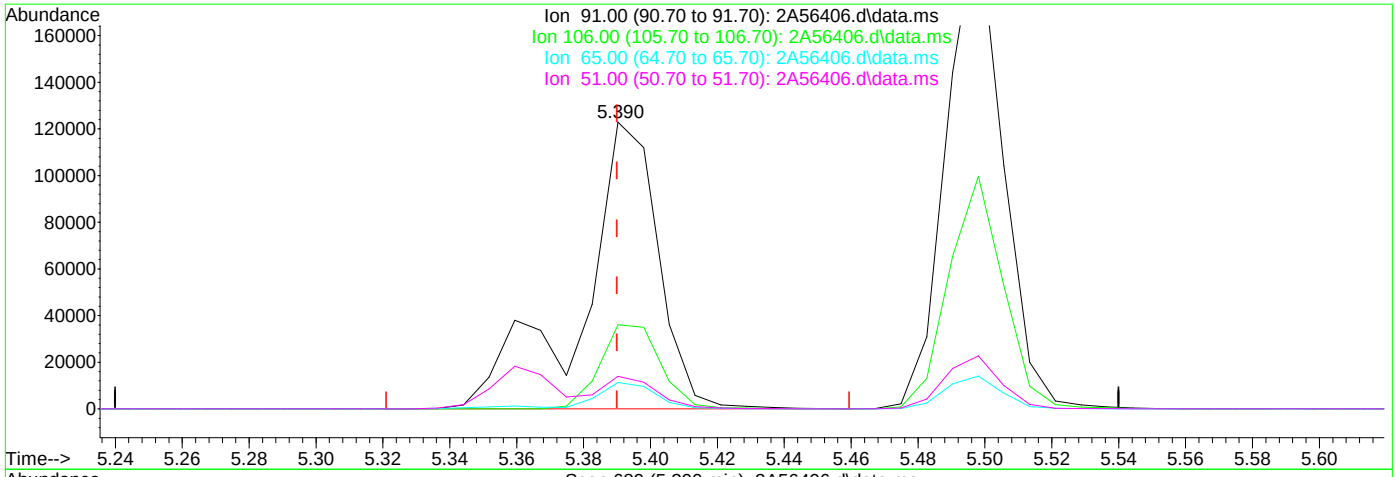
response 46899

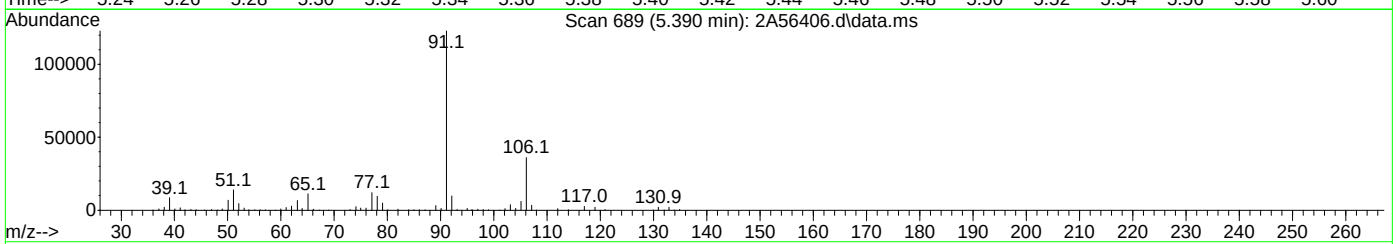
Ion	Exp%	Act%
91.00	100	100
55.00	58.90	78.12
41.00	39.20	69.14#
43.10	33.20	50.93

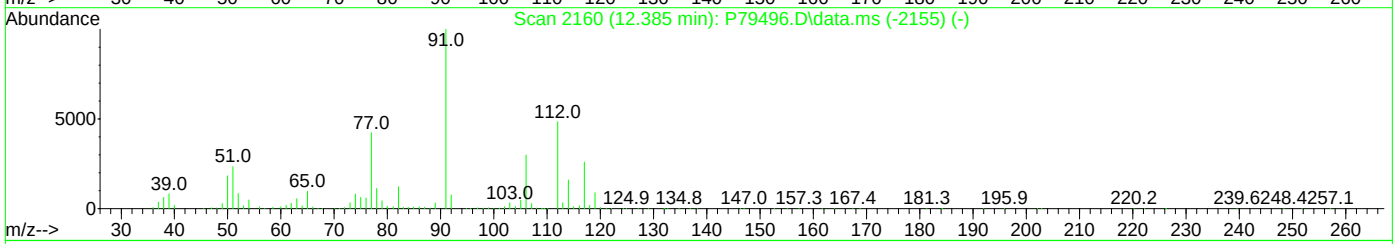
Quantitation Report (Qedit)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\V2A1914\
Data File : 2A56406.d
Acq On : 28 Jun 2024 5:00 pm
Operator : lianatr
Sample : FC16676-9MSD Inst : MSVOA17
Misc : MS56930,V2A1914,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jul 01 05:02:18 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration







TIC: 2A56406.d\data.ms

(77) Ethylbenzene

5.390min (+0.000) 30.87ug/L

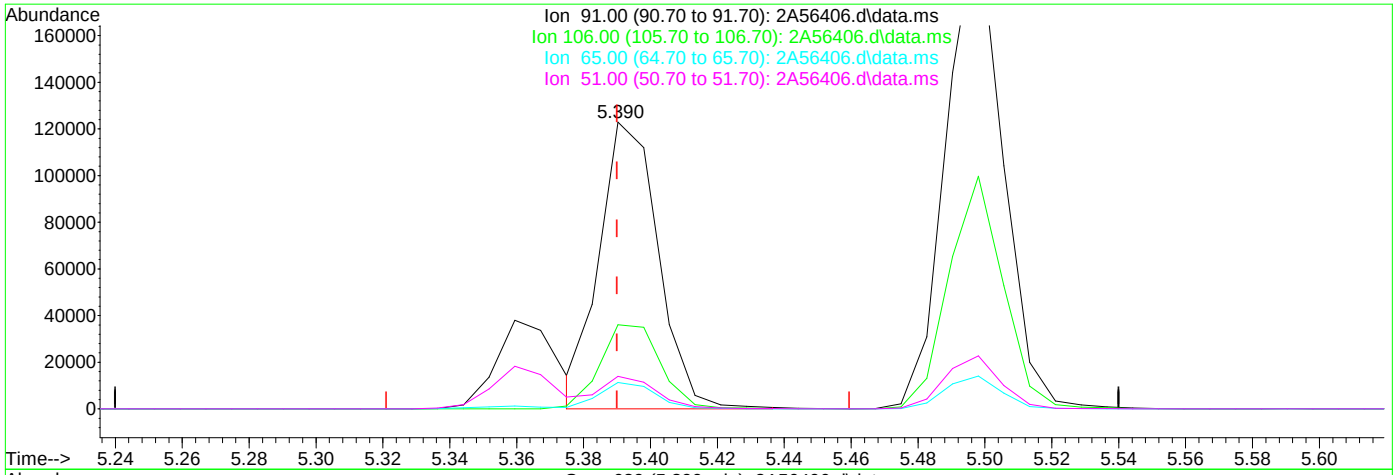
response 197161

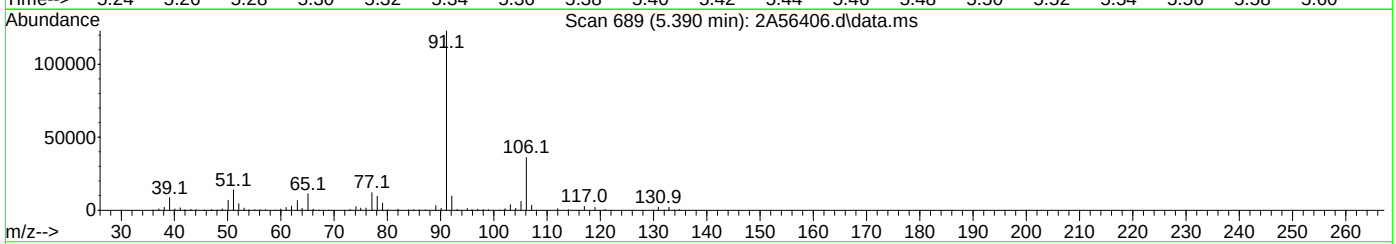
Ion	Exp%	Act%
91.00	100	100
106.00	34.30	29.34
65.00	7.10	9.17
51.00	7.10	11.35

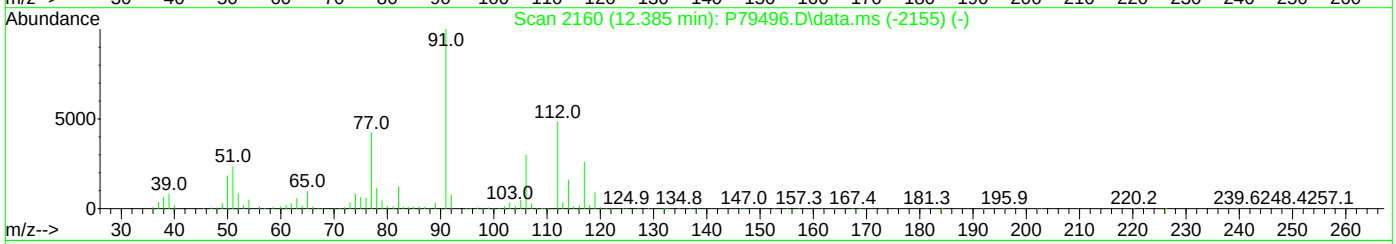
Quantitation Report (Qedit)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\V2A1914\
Data File : 2A56406.d
Acq On : 28 Jun 2024 5:00 pm
Operator : lianatr
Sample : FC16676-9MSD Inst : MSVOA17
Misc : MS56930,V2A1914,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jul 01 05:02:18 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration







TIC: 2A56406.d\data.ms

(77) Ethylbenzene

5.390min (+0.000) 23.50ug/L m

response 150061

Ion	Exp%	Act%
91.00	100	100
106.00	34.30	29.34
65.00	7.10	9.17
51.00	7.10	11.35

Manual Integrations APPROVED (compounds with "m" flag)
Neil Christiana 07/08/24 07:50

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\7-8\V2A1921\V2A1921\
Data File : 2A56595.d
Acq On : 5 Jul 2024 5:12 pm
Operator : lianatr
Sample : FC16907-3MS Inst : MSVOA17
Misc : MS56977,V2A1921,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jul 08 04:57:14 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\7-8\V2A1921\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.405	96	242386	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.352	117	183513	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.091	152	112375	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	2.958	113	69224	49.47	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.94%			
49) 1,2-Dichloroethane-d4	3.235	65	86936	51.83	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 103.66%			
63) Toluene-d8	4.336	98	243342	48.92	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 97.84%			
86) 4-Bromofluorobenzene	6.229	174	88149	49.56	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.12%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.027	85	84043	70.1554	ug/L	98
3) Chloromethane	1.134	50	70506	51.1234	ug/L	100
4) 1,3-butadiene	1.188	39	57403	35.7158	ug/L #	74
5) Vinyl Chloride	1.180	62	69966	50.1830	ug/L	99
6) Bromomethane	1.350	94	24021	39.6367	ug/L	96
7) Chloroethane	1.419	64	40461	61.1632	ug/L	95
8) Trichlorofluoromethane	1.496	101	92977	50.1846	ug/L	100
9) Ethyl Ether	1.658	59	38994	39.5221	ug/L	88
10) Ethanol	1.711	45	13332	881.0466	ug/L	94
11) 1,2-Dichlorotrifluoroe...	1.750	67	60603	63.6249	ug/L	94
12) 1,1-Dichloroethene	1.765	61	75513	40.0779	ug/L	91
13) Freon 113	1.788	101	43469	38.9684	ug/L	88
14) Carbon Disulfide	1.788	76	110218	32.5397	ug/L	86
15) Iodomethane	1.835	142	34713	38.2054	ug/L	88
16) Acrolein	1.912	56	28576	123.3687	ug/L	97
17) Allyl chloride	1.996	41	72493	39.3570	ug/L	78
18) Methylene Chloride	2.050	49	71745	41.6330	ug/L #	74
19) Acetone	2.050	43	124966	256.5584	ug/L	79
20) Methyl acetate	2.127	43	286661	237.7918	ug/L	87
21) trans-1,2-Dichloroethene	2.142	61	73942	39.5125	ug/L	83
22) Hexane	2.196	56	40760	36.5519	ug/L #	74
23) Methyl Tert Butyl Ether	2.196	73	149057	43.8869	ug/L	86
24) Acetonitrile	2.273	41	72723	444.9948	ug/L	97
25) Tert Butyl Alcohol	2.212	59	119177	613.6737	ug/L	74
26) Di-isopropyl ether	2.396	45	155959	40.6113	ug/L	86
27) Chloroprene	2.443	53	213270	42.3827	ug/L	91
28) 1,1-Dichloroethane	2.443	63	95389	39.9055	ug/L	96
29) Acrylonitrile	2.443	52	128179	211.1466	ug/L	98
30) ETBE	2.581	59	158489	43.5620	ug/L	90
31) Vinyl acetate	2.566	43	71534	24.6254	ug/L	94
32) cis-1,2-Dichloroethene	2.720	96	54635	41.7792	ug/L #	75
33) 2,2-Dichloropropane	2.781	77	58912	30.4769	ug/L	94
34) Bromochloromethane	2.820	128	28352	42.1682	ug/L #	59
35) Cyclohexane	2.858	56	78273	35.2833	ug/L #	81
36) Chloroform	2.858	83	98789	44.6690	ug/L	94
37) Ethyl acetate	2.912	43	204827	128.6574	ug/L	89
38) Tetrahydrofuran	2.943	42	24329	42.8806	ug/L	84
40) Carbon Tetrachloride	2.958	117	75410m	40.8246	ug/L	
41) 1,1,1-Trichloroethane	2.989	97	89067	42.0119	ug/L	91
42) 2-Butanone	3.004	43	177602	224.0060	ug/L	82
43) 1,1-Dichloropropene	3.051	75	69088	41.3631	ug/L #	76
44) tert-Butyl formate	3.097	59	37740	37.9977	ug/L	94

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\7-8\V2A1921\V2A1921\
Data File : 2A56595.d
Acq On : 5 Jul 2024 5:12 pm
Operator : lianatr
Sample : FC16907-3MS Inst : MSVOA17
Misc : MS56977,V2A1921,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jul 08 04:57:14 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\7-8\V2A1921\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45)	Propionitrile	3.143	54	104331	459.7720	ug/L		98
46)	Methacrylonitrile	3.166	41	429427	480.9823	ug/L		94
47)	Benzene	3.181	78	204922	41.8103	ug/L		83
48)	TAME	3.251	73	136598	42.9614	ug/L		87
50)	1,2-Dichloroethane	3.274	62	80551	44.9711	ug/L		97
51)	Isobutyl Alcohol	3.258	43	114556	937.1517	ug/L		94
52)	Tert Amyl Alcohol	3.320	59	80113	516.6354	ug/L		92
53)	Trichloroethene	3.512	95	70567	50.4895	ug/L		92
54)	Methylcyclohexane	3.528	83	80876	37.3751	ug/L		82
55)	Dibromomethane	3.736	93	36950	43.6121	ug/L		87
56)	1,2-Dichloropropane	3.789	63	54615	43.1338	ug/L		88
57)	Bromodichloromethane	3.828	83	70727	39.9214	ug/L	#	96
58)	Methyl methacrylate	3.920	41	68289	57.2737	ug/L	#	68
59)	1,4-Dioxane	3.936	88	12308	1007.0790	ug/L		84
60)	2-Chloroethyl vinyl ether	4.167	63	191628	221.8056	ug/L		81
61)	cis-1,3-Dichloropropene	4.205	75	75626	39.3509	ug/L		76
64)	Toluene	4.367	91	214001	38.8668	ug/L		100
65)	2-Nitropropane	4.467	41	96801	199.8131	ug/L		93
66)	4-Methyl-2-pentanone	4.582	43	367146	223.4589	ug/L		87
67)	trans-1,3-Dichloropropene	4.613	75	69006	37.9128	ug/L		80
68)	Tetrachloroethene	4.628	166	102590	72.0717	ug/L		94
69)	Ethyl methacrylate	4.728	69	42114	25.8254	ug/L	#	72
70)	1,1,2-Trichloroethane	4.713	83	42123	40.7250	ug/L		88
71)	Dibromochloromethane	4.836	129	57353	44.6642	ug/L		98
72)	1,3-Dichloropropane	4.890	76	82726	45.9857	ug/L		73
73)	1,2-Dibromoethane	4.990	107	53744	43.7553	ug/L		93
74)	3,3-Dimethyl-1-Butanol	5.121	57	487420	2407.3317	ug/L		94
75)	2-hexanone	5.136	43	365297	229.2186	ug/L		79
76)	1-Chlorohexane	5.360	91	67733m	32.4724	ug/L		
77)	Ethylbenzene	5.390	91	238016m	37.3118	ug/L		
78)	Chlorobenzene	5.367	112	139858	39.2609	ug/L		89
79)	1,1,1,2-Tetrachloroethane	5.406	131	52872	43.5192	ug/L		100
80)	m,p-Xylene	5.498	91	383381	73.4980	ug/L		93
81)	o-Xylene	5.798	91	199860	36.5877	ug/L		91
82)	Styrene	5.837	104	149257	37.8900	ug/L		93
83)	Bromoform	5.837	173	39599	43.4872	ug/L		97
84)	Isopropylbenzene	6.037	105	233479	36.2909	ug/L		95
87)	cis-1,4-Dichloro-2-butene	6.260	53	17998	38.1912	ug/L	#	74
88)	n-Propylbenzene	6.345	91	282324	34.0676	ug/L		87
89)	Bromobenzene	6.306	156	62925	40.0389	ug/L	#	79
90)	1,1,2,2-Tetrachloroethane	6.368	83	51385	27.7709	ug/L		97
91)	1,3,5-Trimethylbenzene	6.506	105	204909	36.4083	ug/L		97
92)	2-Chlorotoluene	6.452	91	163668	35.7820	ug/L		93
93)	trans-1,4-Dichloro-2-B...	6.499	53	24264	40.7156	ug/L	#	62
94)	1,2,3-Trichloropropane	6.468	110	23184	47.8320	ug/L		80
95)	Cyclohexanone	6.483	55	19529	352.1444	ug/L		82
96)	4-Chlorotoluene	6.576	91	173680	35.4624	ug/L		88
97)	tert-Butylbenzene	6.745	91	119209	35.2121	ug/L		83
98)	1,2,4-Trimethylbenzene	6.799	105	194998	37.0375	ug/L		96
99)	Pentachloroethane	6.745	167	1142	1.3466	ug/L	#	1
100)	sec-Butylbenzene	6.891	105	239446	33.5916	ug/L		94
101)	4-Isopropyltoluene	7.007	119	208700	34.4786	ug/L		94
102)	1,3-Dichlorobenzene	7.037	146	112319	36.7444	ug/L		96
103)	1,2,3-Trimethylbenzene	7.137	105	195168	37.4028	ug/L		96
104)	1,4-Dichlorobenzene	7.107	146	113894	37.2495	ug/L		96
105)	n-Butylbenzene	7.338	92	101354	36.6106	ug/L		95
106)	Benzyl Chloride	7.291	126	15032	22.1257	ug/L	#	62
107)	1,2-Dichlorobenzene	7.422	146	106380	38.7972	ug/L		91

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\7-8\V2A1921\V2A1921\
Data File : 2A56595.d
Acq On : 5 Jul 2024 5:12 pm
Operator : lianatr
Sample : FC16907-3MS Inst : MSVOA17
Misc : MS56977,V2A1921,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jul 08 04:57:14 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\7-8\V2A1921\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration

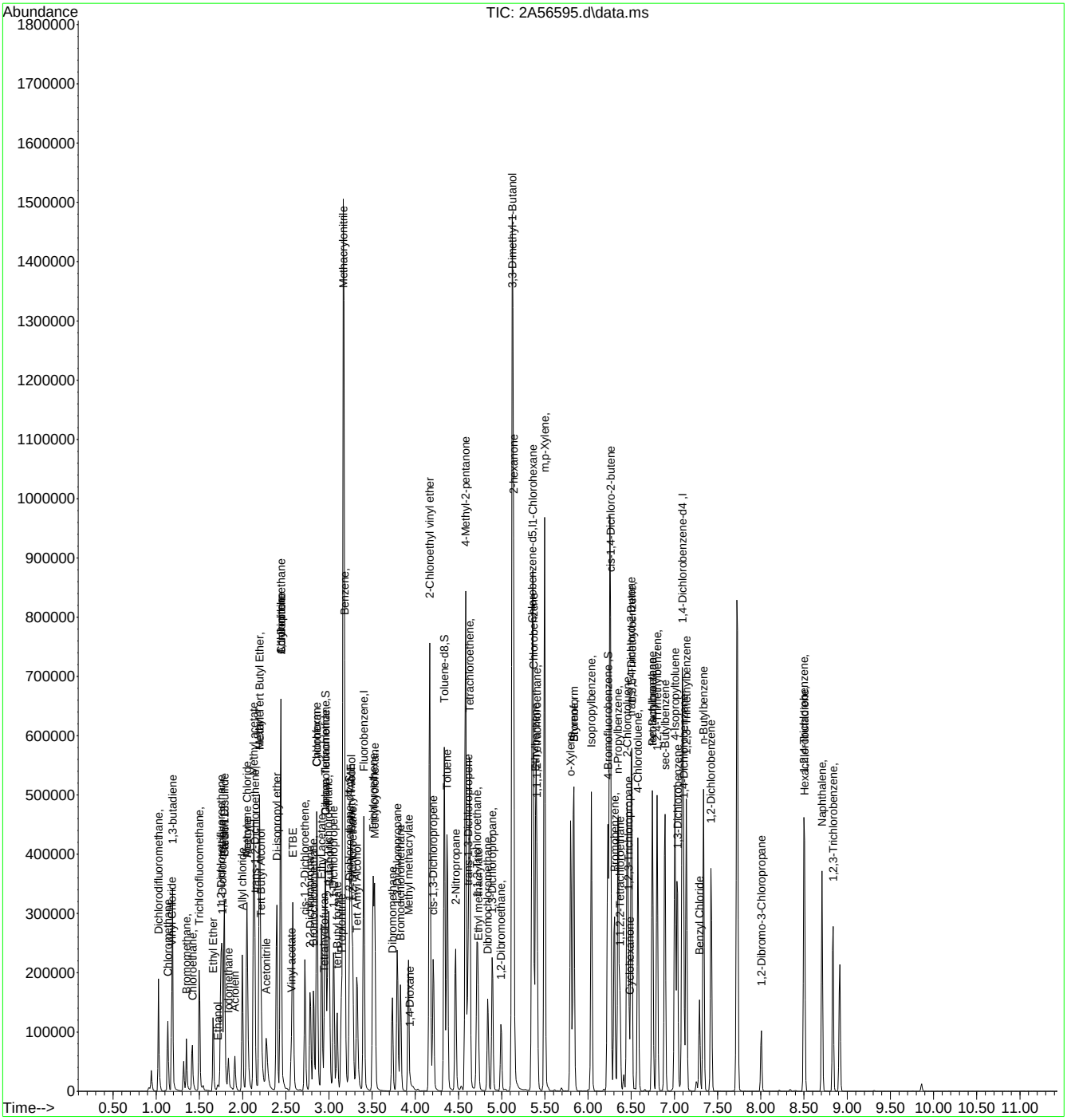
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) 1,2-Dibromo-3-Chloropr...	8.007	75	16374	43.6487	ug/L #	58
109) Hexachlorobutadiene	8.507	225	30513	39.2839	ug/L	89
110) 1,2,4-Trichlorobenzene	8.500	180	62875	37.6881	ug/L	97
111) Naphthalene	8.707	128	177309	38.9048	ug/L	100
112) 1,2,3-Trichlorobenzene	8.838	180	57382	38.4753	ug/L	96

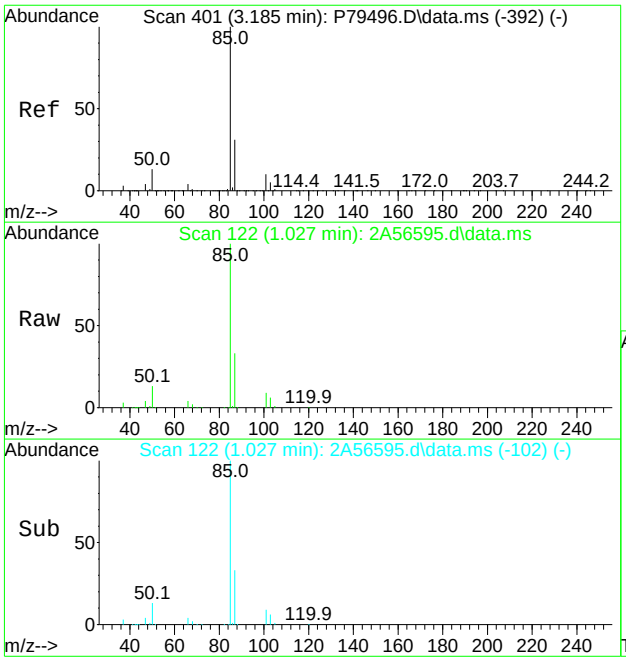
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\7-8\V2A1921\V2A1921\
Data File : 2A56595.d
Acq On : 5 Jul 2024 5:12 pm
Operator : lianatr
Sample : FC16907-3MS Inst : MSVOA17
Misc : MS56977,V2A1921,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jul 08 04:57:14 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\7-8\V2A1921\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration

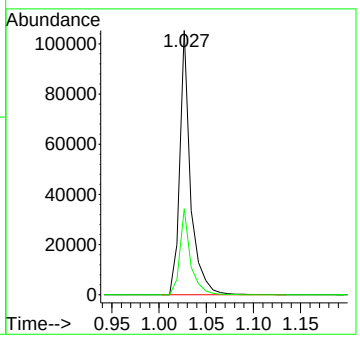


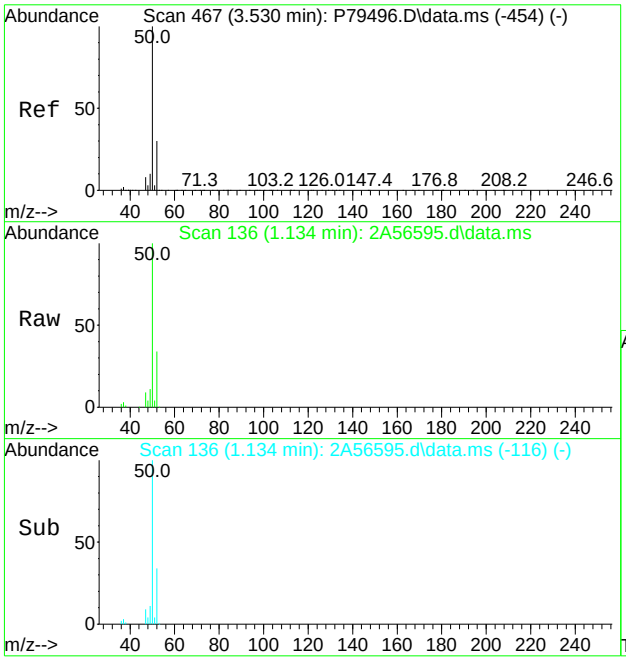


#2
Dichlorodifluoromethane
Concen: 70.1554 ug/L
RT: 1.027 min Scan# 122
Delta R.T. 0.000 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 85 Resp: 84043

Ion	Ratio	Lower	Upper
85	100		
87	32.5	3.8	63.8

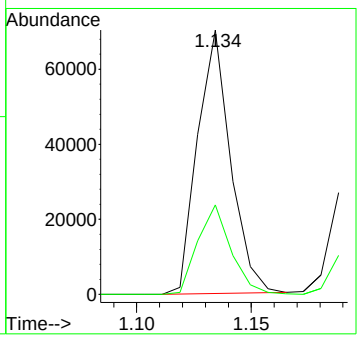


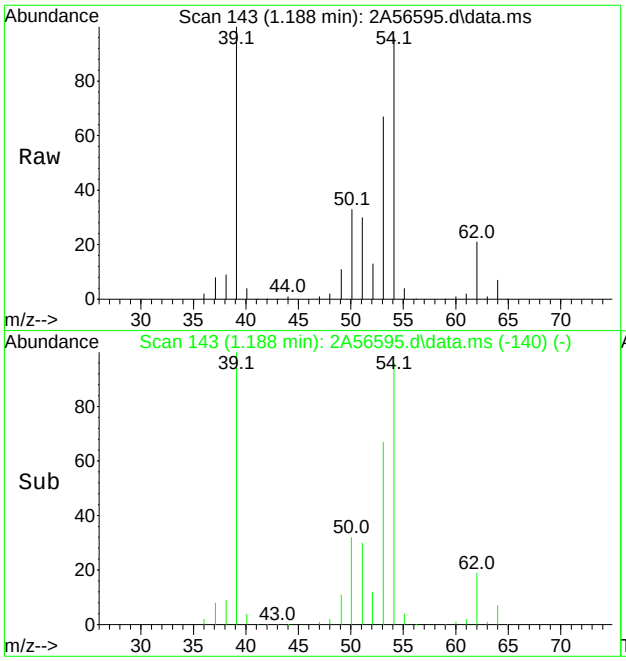


#3
Chloromethane
Concen: 51.1234 ug/L
RT: 1.134 min Scan# 136
Delta R.T. 0.000 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 50 Resp: 70506

Ion	Ratio	Lower	Upper
50	100		
52	33.8	3.8	63.8

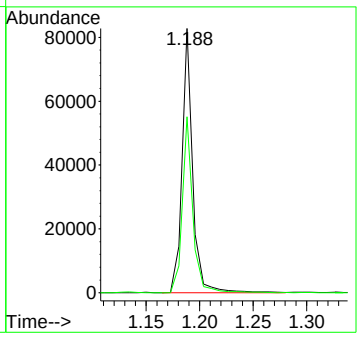


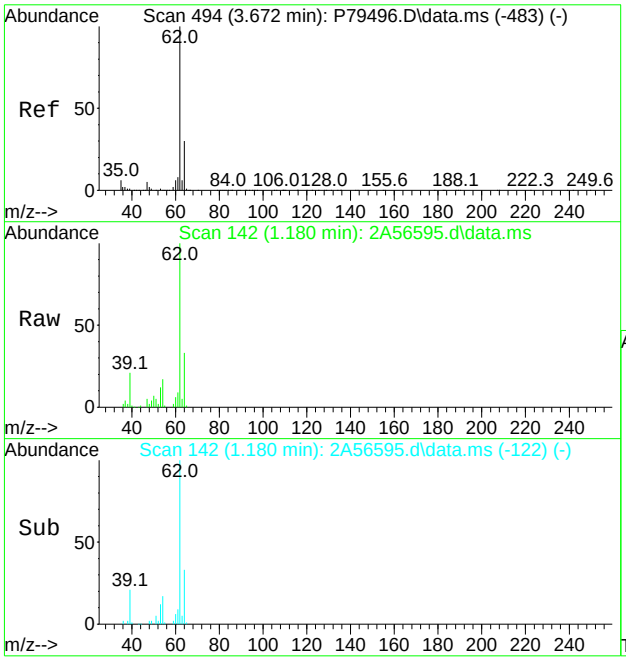


#4
1,3-butadiene
Concen: 35.7158 ug/L
RT: 1.188 min Scan# 143
Delta R.T. 0.000 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 39 Resp: 57403

Ion	Ratio	Lower	Upper
39	100		
53	66.6	71.2	111.2#

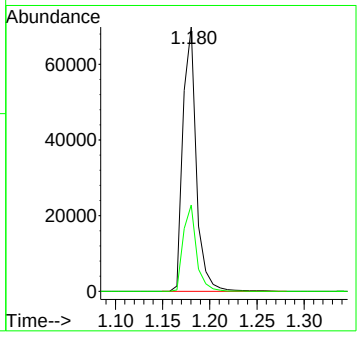


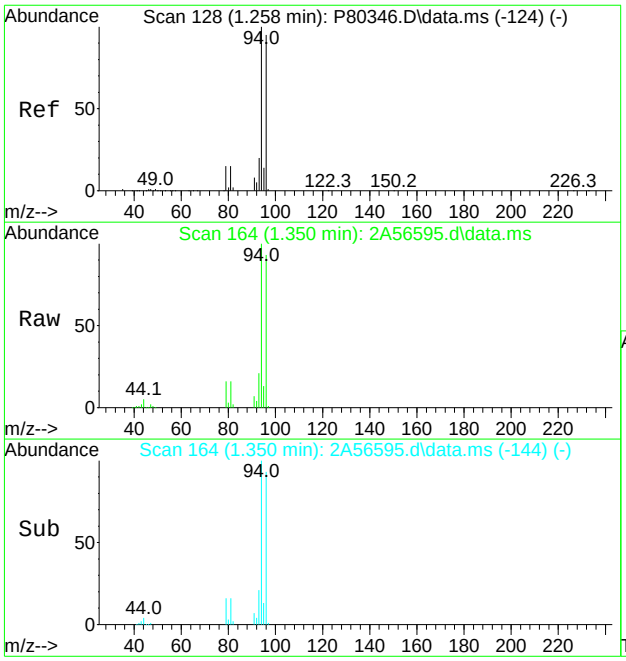


#5
Vinyl Chloride
Concen: 50.1830 ug/L
RT: 1.180 min Scan# 142
Delta R.T. 0.000 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 62 Resp: 69966

Ion	Ratio	Lower	Upper
62	100		
64	32.6	3.1	63.1

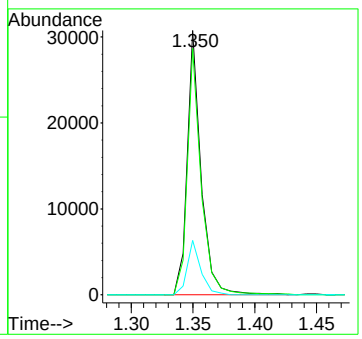


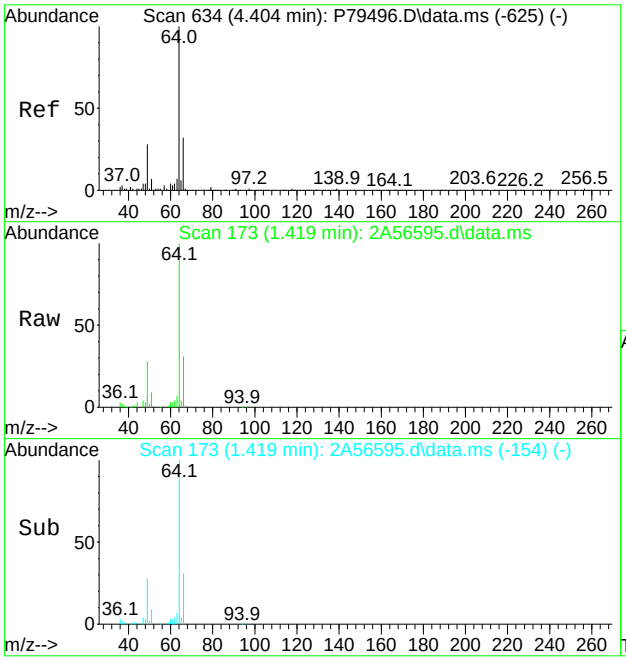


#6
Bromomethane
Concen: 39.6367 ug/L
RT: 1.350 min Scan# 164
Delta R.T. 0.001 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 94 Resp: 24021

Ion	Ratio	Lower	Upper
94	100		
96	93.2	67.3	127.3
93	20.6	0.0	50.9

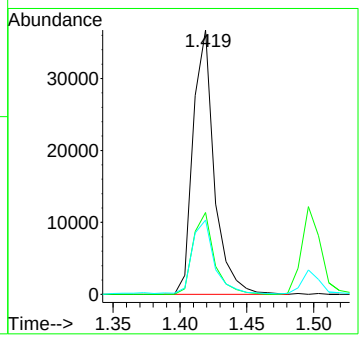


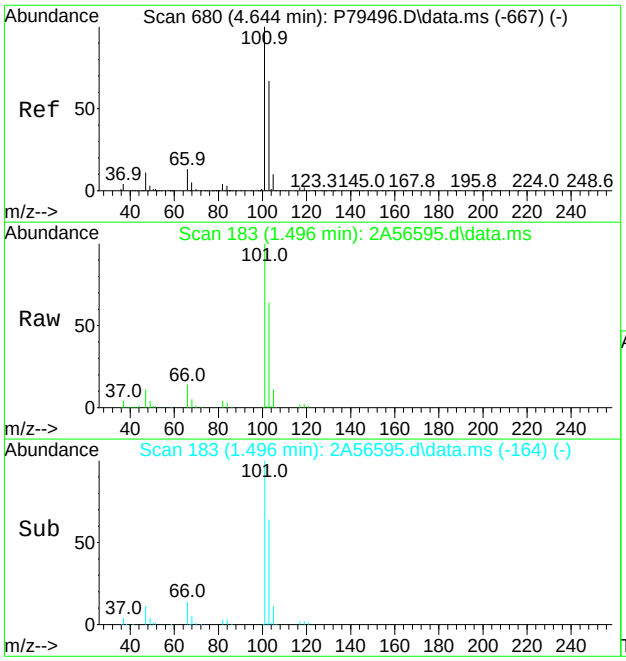


#7
Chloroethane
Concen: 61.1632 ug/L
RT: 1.419 min Scan# 173
Delta R.T. 0.000 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 64 Resp: 40461

Ion	Ratio	Lower	Upper
64	100		
66	31.0	2.3	62.3
49	27.7	0.0	53.9

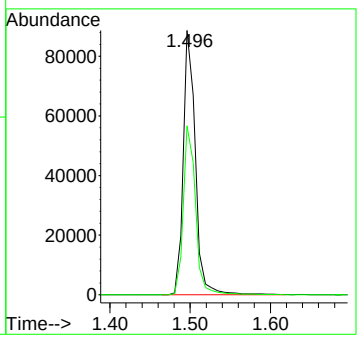


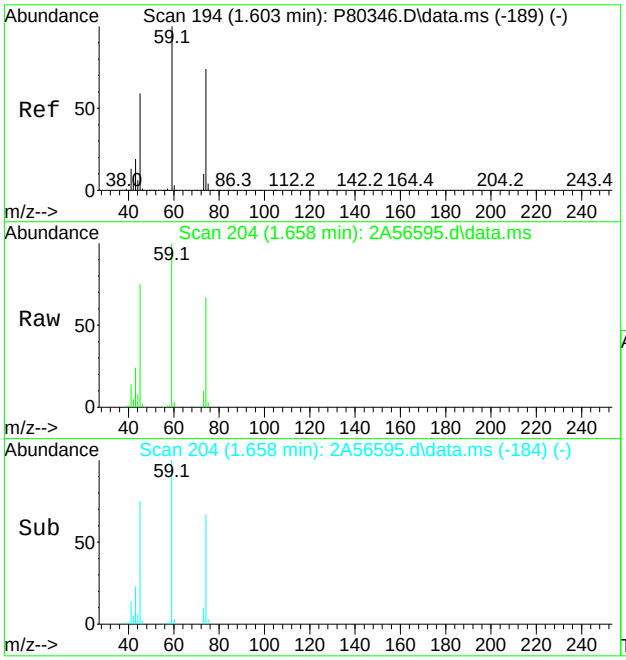


#8
Trichlorofluoromethane
Concen: 50.1846 ug/L
RT: 1.496 min Scan# 183
Delta R.T. -0.007 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion:101 Resp: 92977

Ion	Ratio	Lower	Upper
101	100		
103	64.0	34.0	94.0

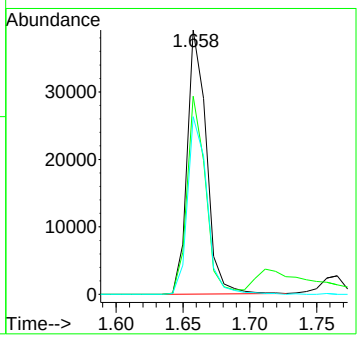


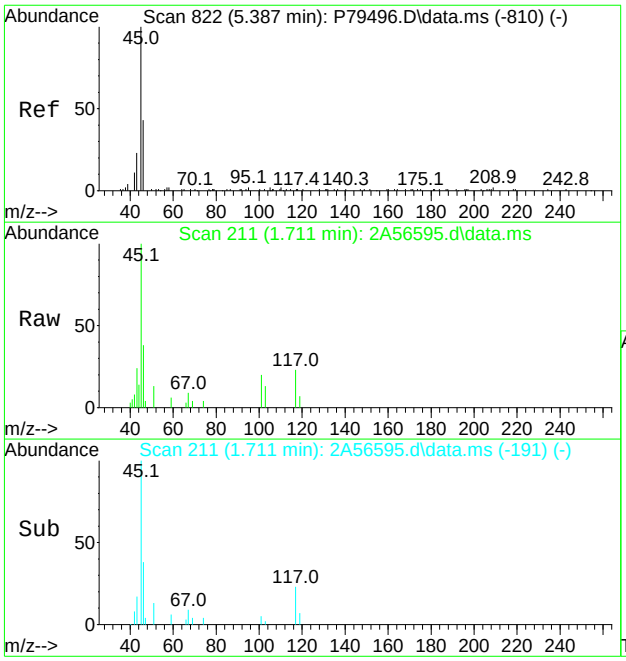


#9
Ethyl Ether
Concen: 39.5221 ug/L
RT: 1.658 min Scan# 204
Delta R.T. 0.001 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 59 Resp: 38994

Ion	Ratio	Lower	Upper
59	100		
45	74.9	42.1	82.1
74	67.2	54.7	94.7

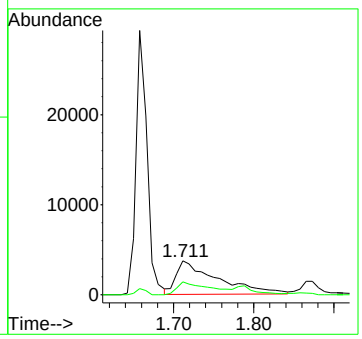


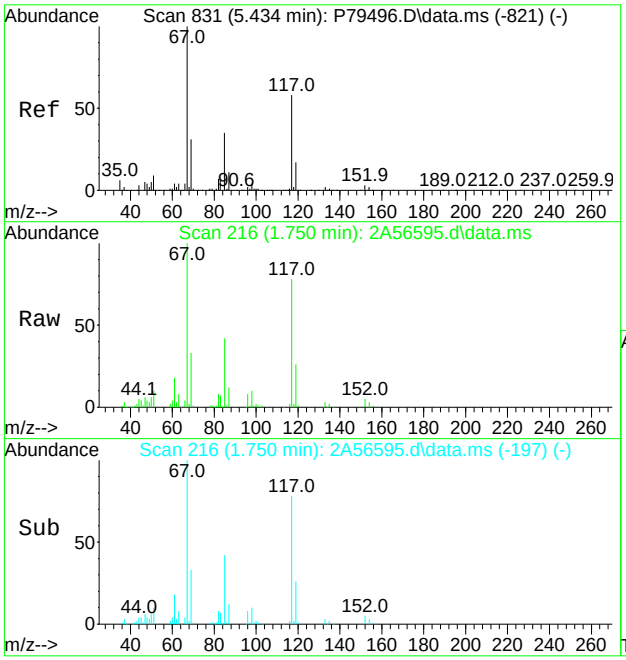


#10
Ethanol
Concen: 881.0466 ug/L
RT: 1.711 min Scan# 211
Delta R.T. 0.000 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 45 Resp: 13332

Ion	Ratio	Lower	Upper
45	100		
46	41.9	26.0	66.0

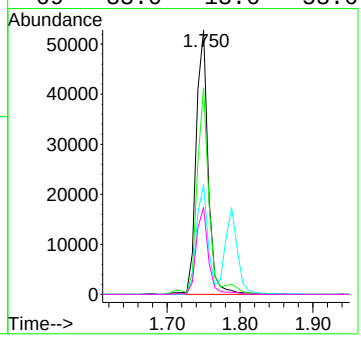


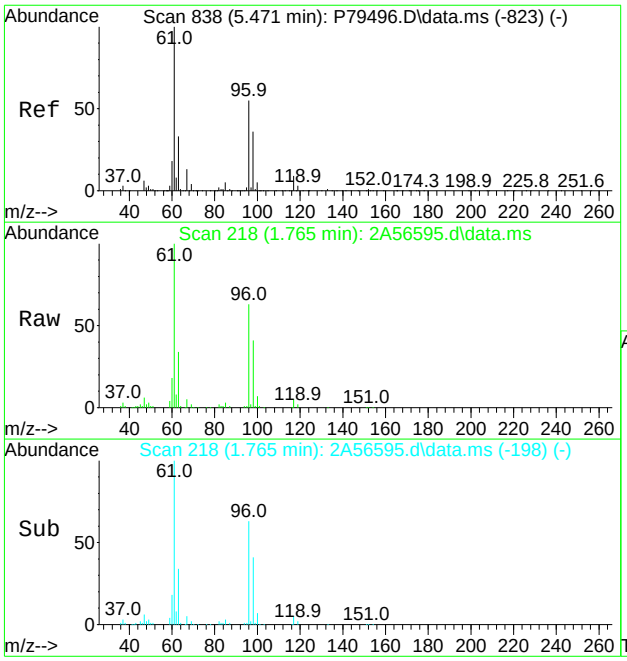


#11
1,2-Dichlorotrifluoroethane
Concen: 63.6249 ug/L
RT: 1.750 min Scan# 216
Delta R.T. -0.000 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 67 Resp: 60603

Ion	Ratio	Lower	Upper
67	100		
117	78.2	67.5	107.5
85	41.5	23.3	63.3
69	33.0	13.6	53.6

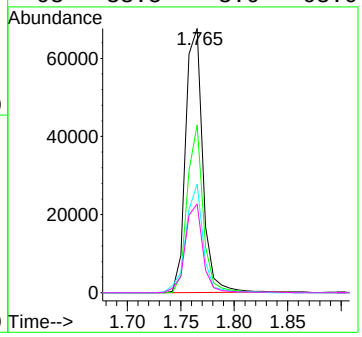


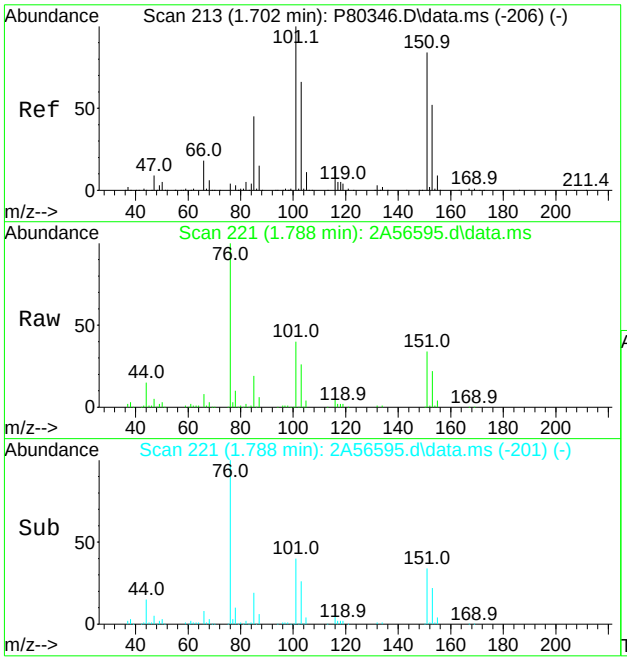


#12
1,1-Dichloroethene
Concen: 40.0779 ug/L
RT: 1.765 min Scan# 218
Delta R.T. 0.000 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 61 Resp: 75513

Ion	Ratio	Lower	Upper
61	100		
96	63.5	44.5	104.5
98	41.2	17.5	77.5
63	33.5	3.0	63.0

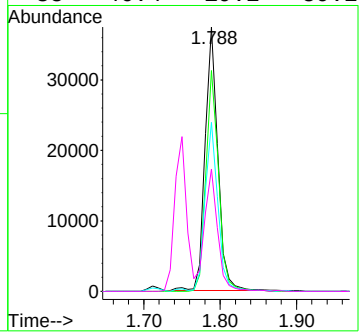


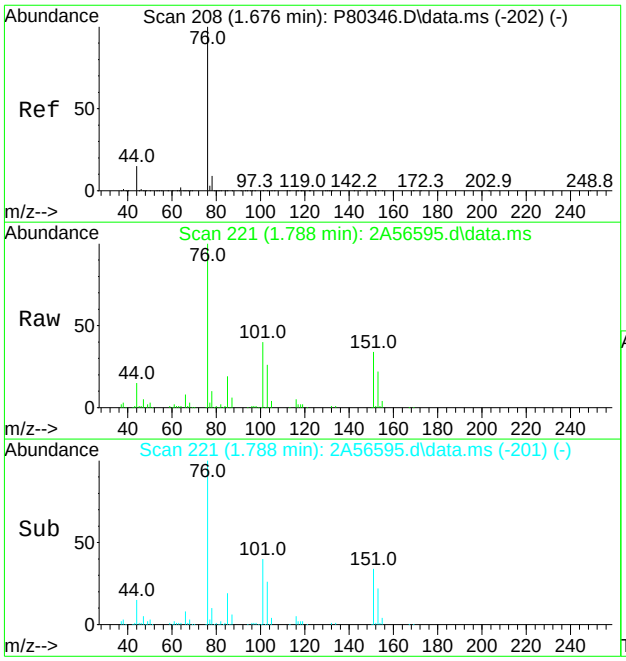


#13
Freon 113
Concen: 38.9684 ug/L
RT: 1.788 min Scan# 221
Delta R.T. 0.000 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion:101 Resp: 43469

Ion	Ratio	Lower	Upper
101	100		
151	83.8	82.3	122.3
103	63.8	44.6	84.6
85	46.4	19.2	59.2

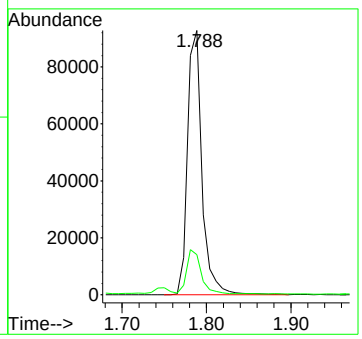


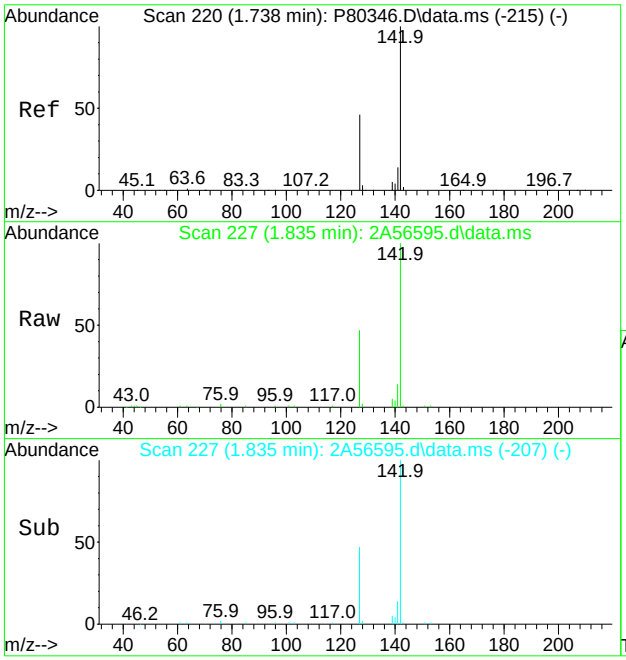


#14
Carbon Disulfide
Concen: 32.5397 ug/L
RT: 1.788 min Scan# 221
Delta R.T. 0.000 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 76 Resp: 110218

Ion	Ratio	Lower	Upper
76	100		
44	14.8	0.0	39.6

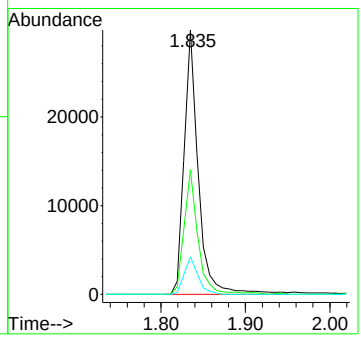


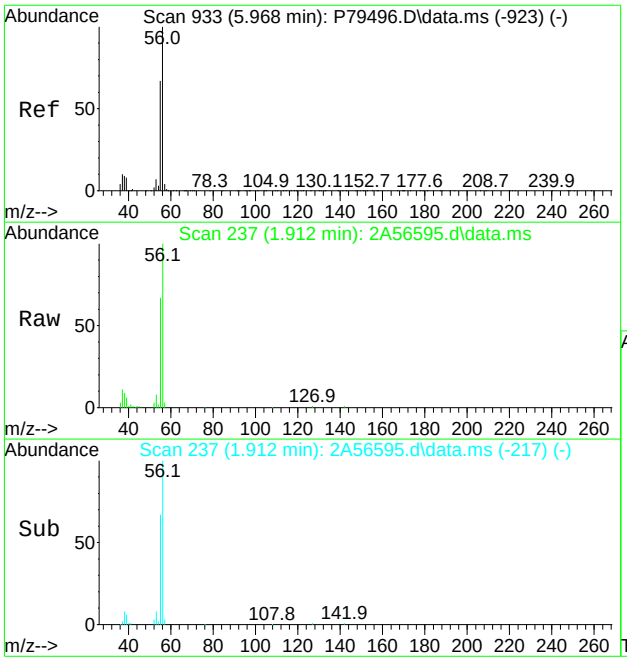


#15
Iodomethane
Concen: 38.2054 ug/L
RT: 1.835 min Scan# 227
Delta R.T. 0.001 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion:142 Resp: 34713

Ion	Ratio	Lower	Upper
142	100		
127	47.2	17.1	57.1
141	14.2	0.0	34.2

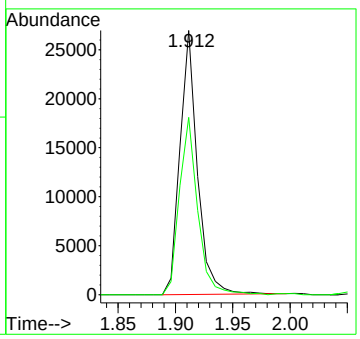


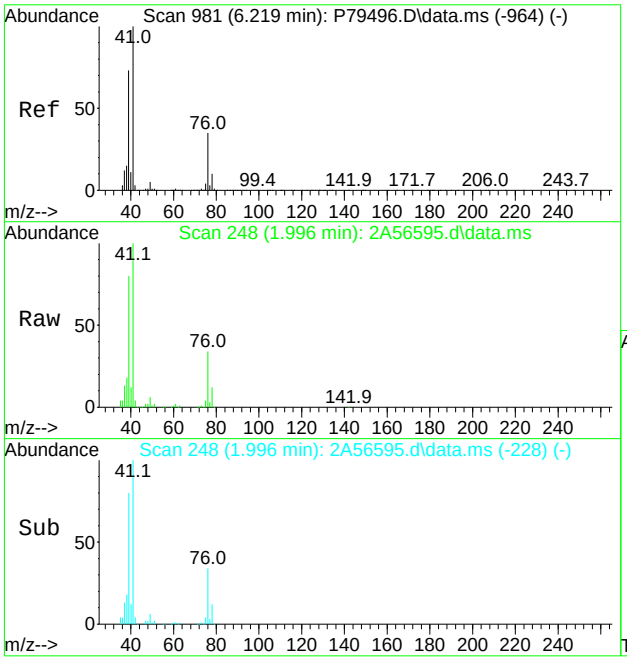


#16
Acrolein
Concen: 123.3687 ug/L
RT: 1.912 min Scan# 237
Delta R.T. 0.001 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 56 Resp: 28576

Ion	Ratio	Lower	Upper
56	100		
55	70.7	38.6	98.6

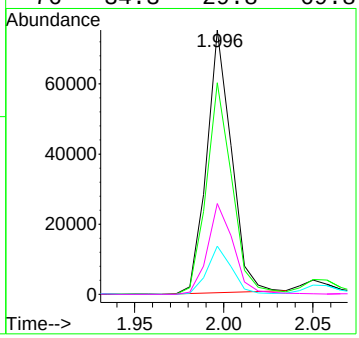


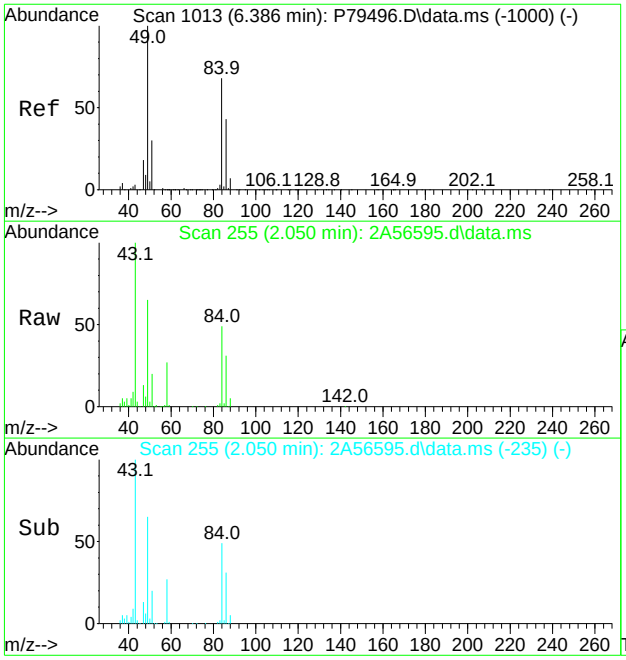


#17
Allyl chloride
Concen: 39.3570 ug/L
RT: 1.996 min Scan# 248
Delta R.T. 0.000 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 41 Resp: 72493

Ion	Ratio	Lower	Upper
41	100		
39	80.1	43.0	83.0
38	18.2	0.0	31.5
76	34.3	29.8	69.8

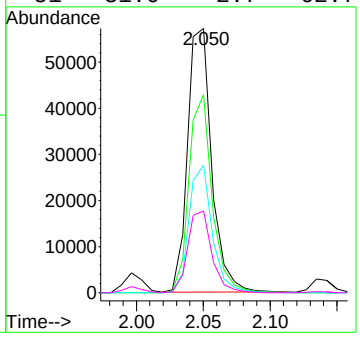


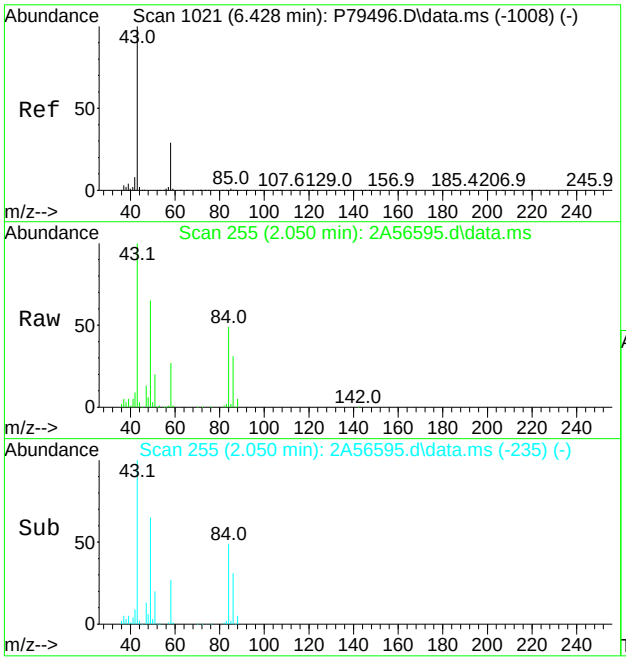


#18
Methylene Chloride
Concen: 41.6330 ug/L
RT: 2.050 min Scan# 255
Delta R.T. 0.000 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 49 Resp: 71745

Ion	Ratio	Lower	Upper
49	100		
84	75.1	78.4	138.4#
86	48.3	42.5	102.5
51	31.0	2.7	62.7

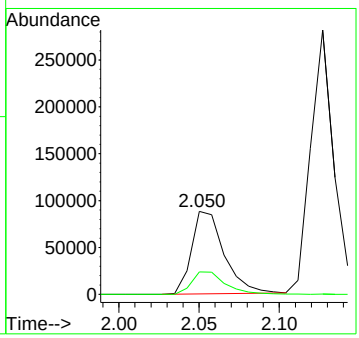


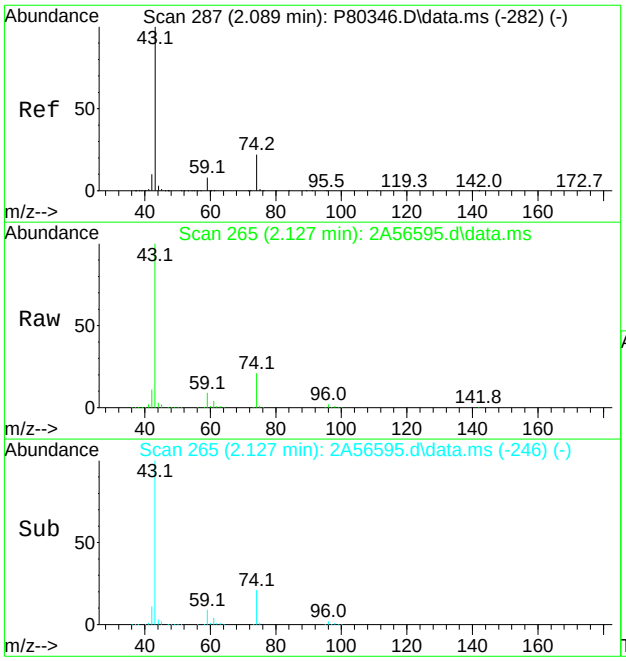


#19
Acetone
Concen: 256.5584 ug/L
RT: 2.050 min Scan# 255
Delta R.T. 0.000 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 43 Resp: 124966

Ion	Ratio	Lower	Upper
43	100		
58	27.1	10.4	70.4

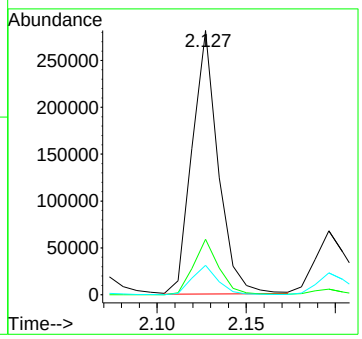


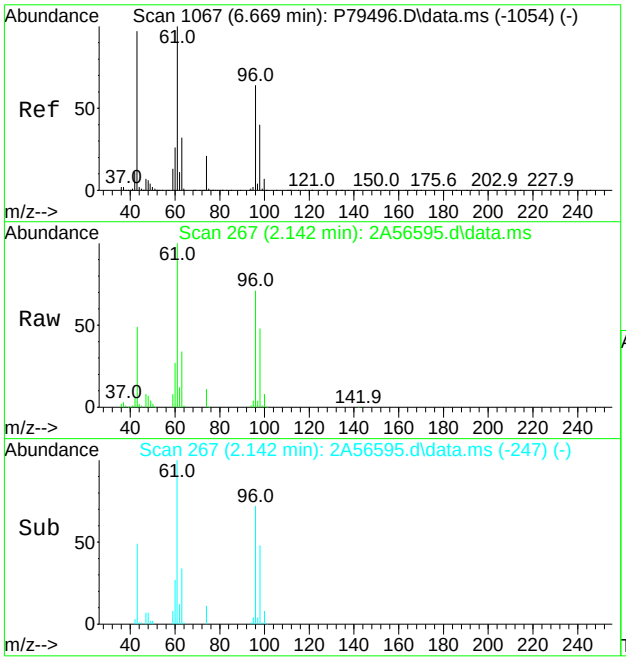


#20
Methyl acetate
Concen: 237.7918 ug/L
RT: 2.127 min Scan# 265
Delta R.T. 0.000 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 43 Resp: 286661

Ion	Ratio	Lower	Upper
43	100		
74	21.1	10.3	50.3
42	11.2	0.0	30.3

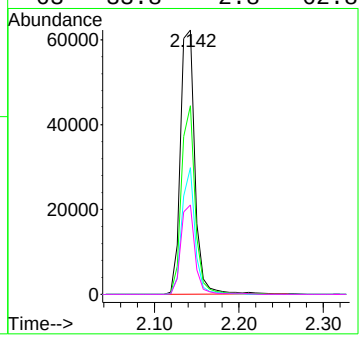


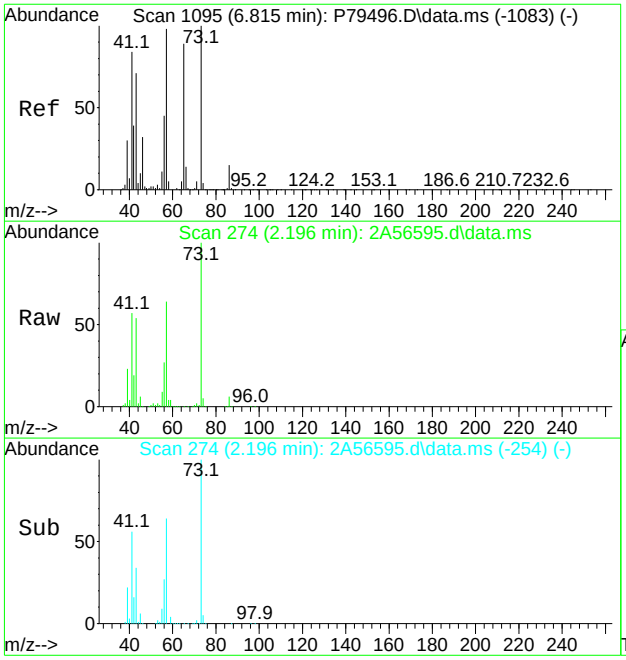


#21
trans-1,2-Dichloroethene
Concen: 39.5125 ug/L
RT: 2.142 min Scan# 267
Delta R.T. 0.000 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 61 Resp: 73942

Ion	Ratio	Lower	Upper
61	100		
96	71.3	62.8	122.8
98	47.9	29.8	89.8
63	33.8	2.8	62.8

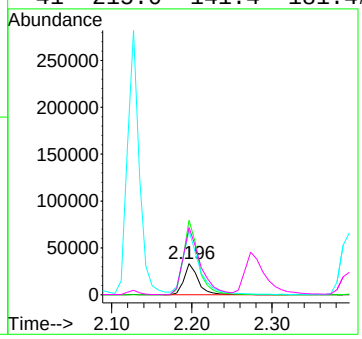


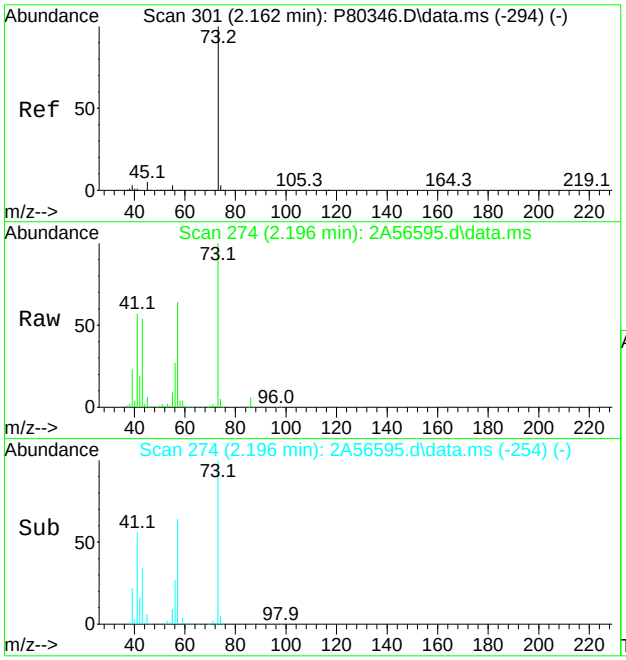


#22
Hexane
Concen: 36.5519 ug/L
RT: 2.196 min Scan# 274
Delta R.T. 0.000 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 56 Resp: 40760

Ion	Ratio	Lower	Upper
56	100		
57	239.0	226.9	266.9
43	202.8	123.5	163.5#
41	215.0	141.4	181.4#

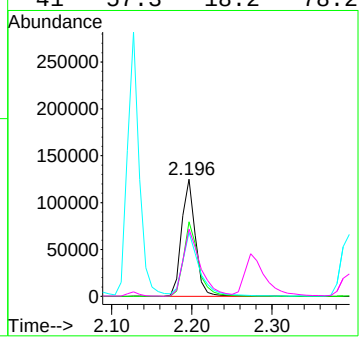


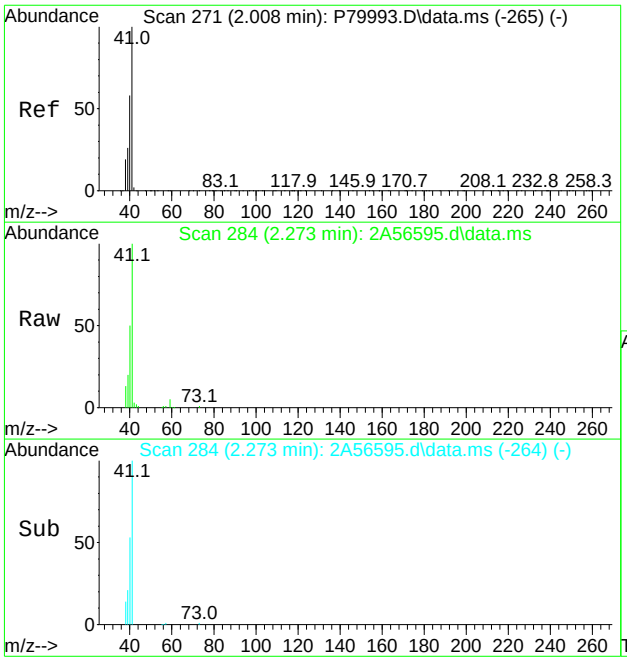


#23
Methyl Tert Butyl Ether
Concen: 43.8869 ug/L
RT: 2.196 min Scan# 274
Delta R.T. 0.000 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 73 Resp: 149057

Ion	Ratio	Lower	Upper
73	100		
57	63.7	43.8	103.8
43	54.1	13.0	73.0
41	57.3	18.2	78.2

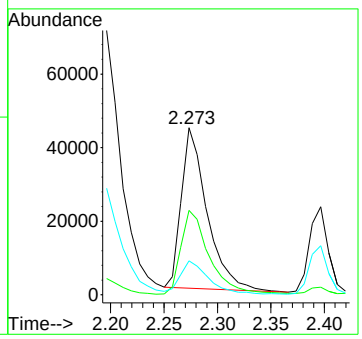


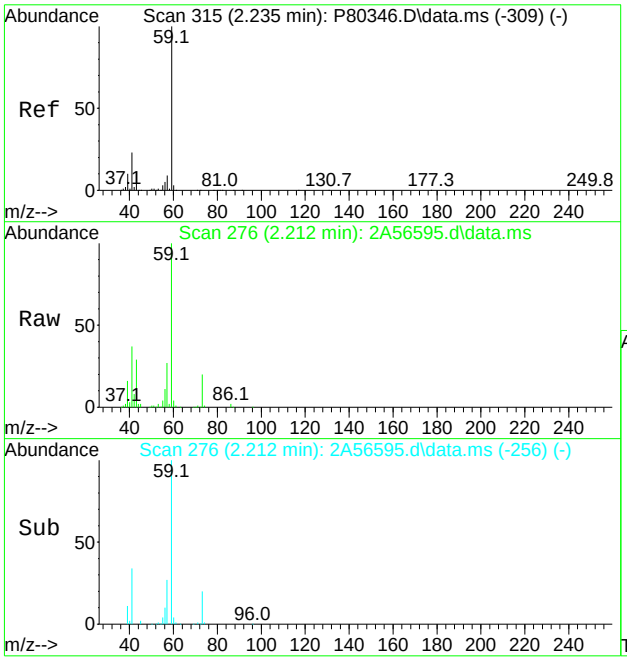


#24
Acetonitrile
Concen: 444.9948 ug/L
RT: 2.273 min Scan# 284
Delta R.T. 0.000 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 41 Resp: 72723

Ion	Ratio	Lower	Upper
41	100		
40	50.7	31.9	71.9
39	20.2	0.0	37.4

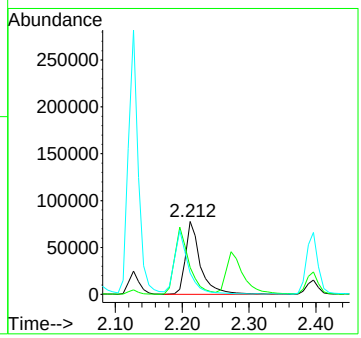


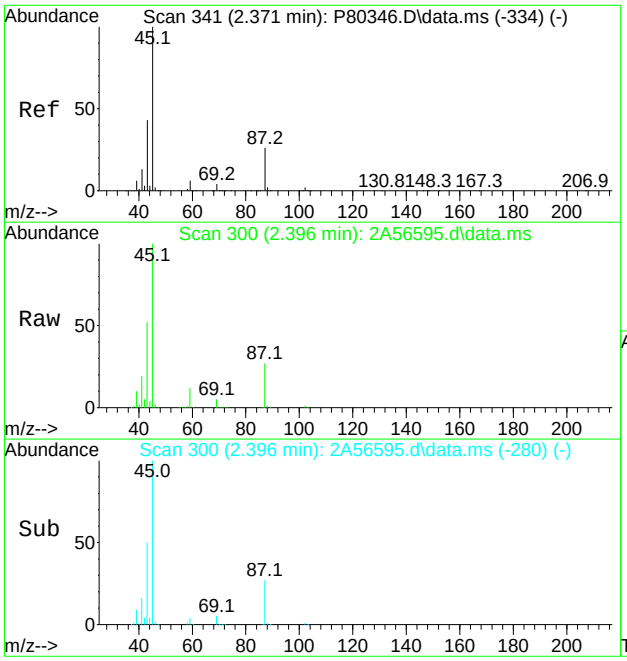


#25
Tert Butyl Alcohol
Concen: 613.6737 ug/L
RT: 2.212 min Scan# 276
Delta R.T. 0.001 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 59 Resp: 119177

Ion	Ratio	Lower	Upper
59	100		
41	36.5	3.5	43.5
43	28.9	0.0	37.4

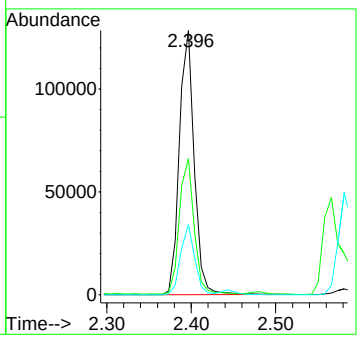


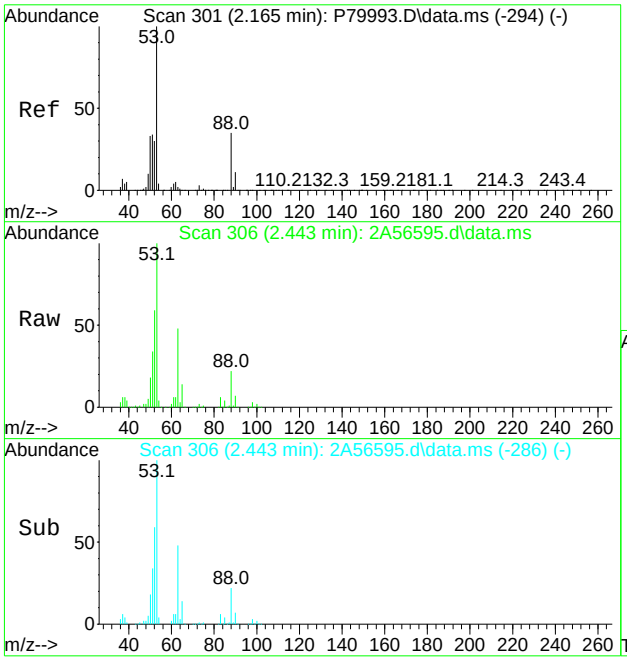


#26
Di-isopropyl ether
Concen: 40.6113 ug/L
RT: 2.396 min Scan# 300
Delta R.T. 0.000 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 45 Resp: 155959

Ion	Ratio	Lower	Upper
45	100		
43	51.2	14.6	74.6
87	26.6	7.5	67.5

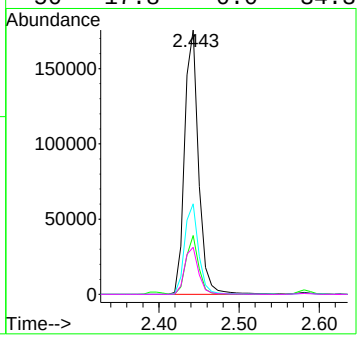


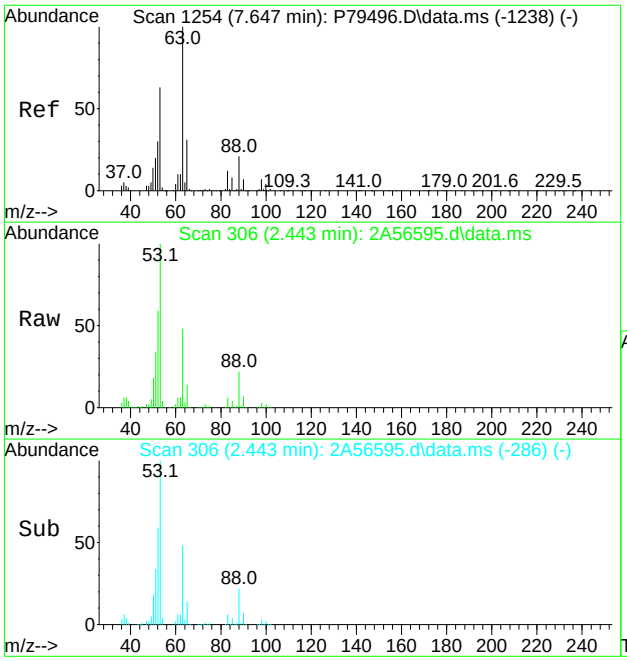


#27
Chloroprene
Concen: 42.3827 ug/L
RT: 2.443 min Scan# 306
Delta R.T. 0.001 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 53 Resp: 213270

Ion	Ratio	Lower	Upper
53	100		
88	22.3	8.4	48.4
51	34.2	10.9	50.9
50	17.8	0.0	34.3

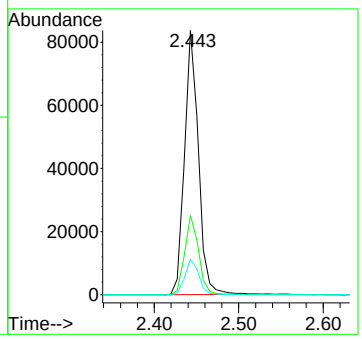


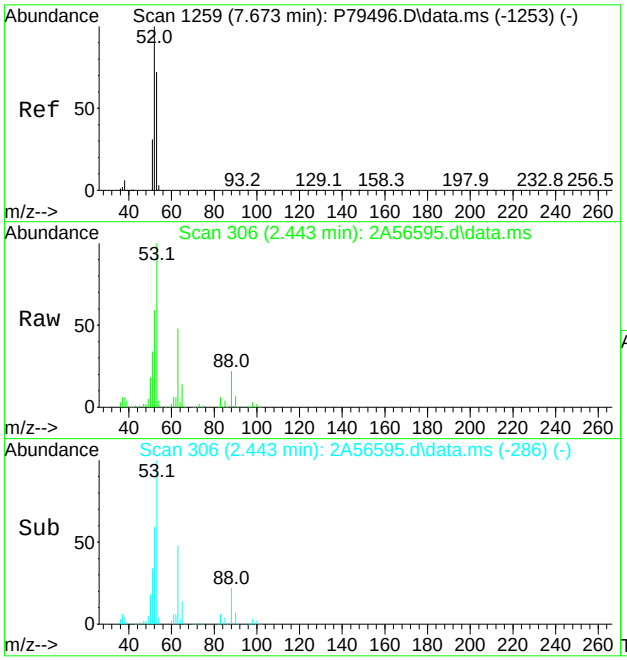


#28
1,1-Dichloroethane
Concen: 39.9055 ug/L
RT: 2.443 min Scan# 306
Delta R.T. 0.001 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 63 Resp: 95389

Ion	Ratio	Lower	Upper
63	100		
65	30.0	2.0	62.0
83	13.5	0.0	45.3

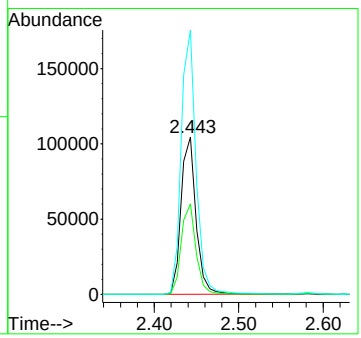


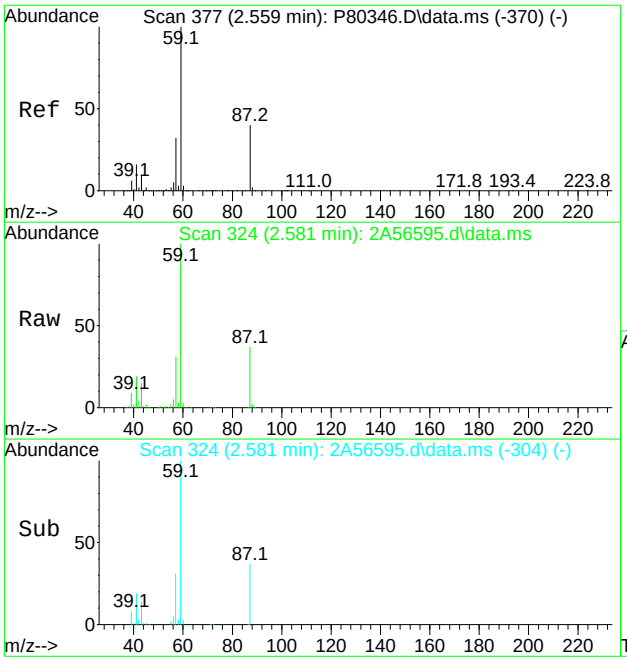


#29
Acrylonitrile
Concen: 211.1466 ug/L
RT: 2.443 min Scan# 306
Delta R.T. 0.001 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 52 Resp: 128179

Ion	Ratio	Lower	Upper
52	100		
51	57.6	22.4	82.4
53	168.3	139.4	199.4

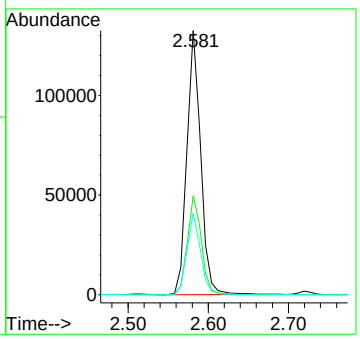


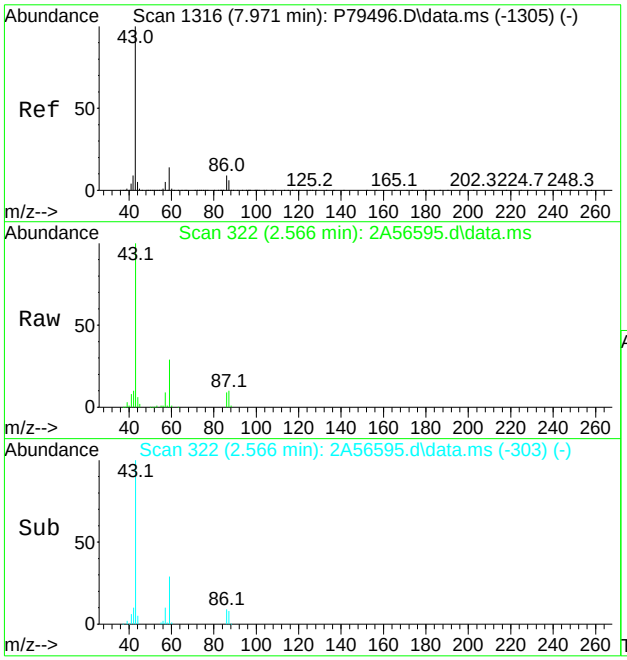


#30
ETBE
Concen: 43.5620 ug/L
RT: 2.581 min Scan# 324
Delta R.T. 0.000 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 59 Resp: 158489

Ion	Ratio	Lower	Upper
59	100		
87	37.5	27.9	67.9
57	30.9	11.9	51.9

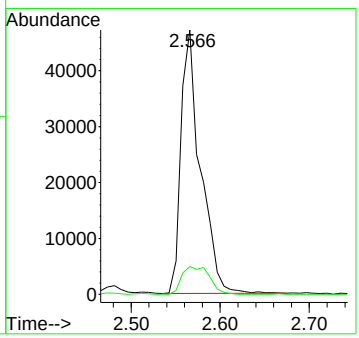


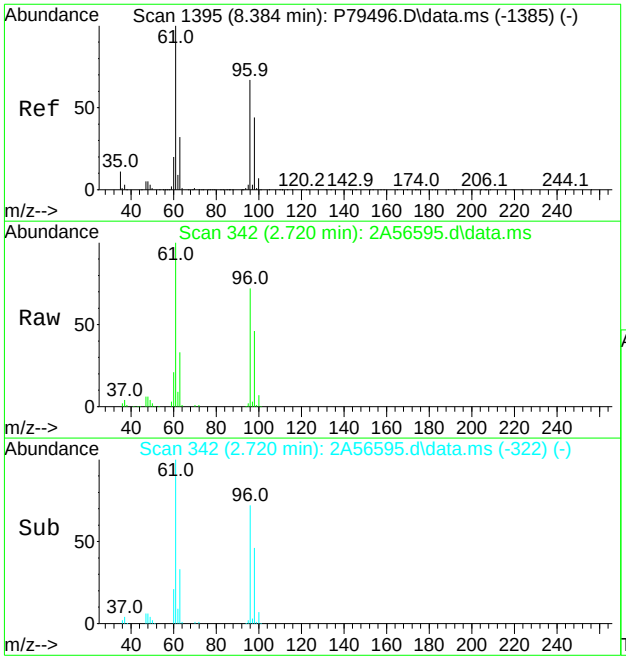


#31
Vinyl acetate
Concen: 24.6254 ug/L
RT: 2.566 min Scan# 322
Delta R.T. -0.000 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 43 Resp: 71534

Ion	Ratio	Lower	Upper
43	100		
42	10.5	0.0	38.5

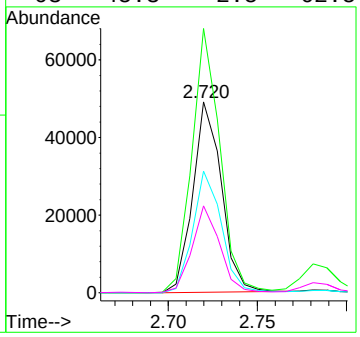


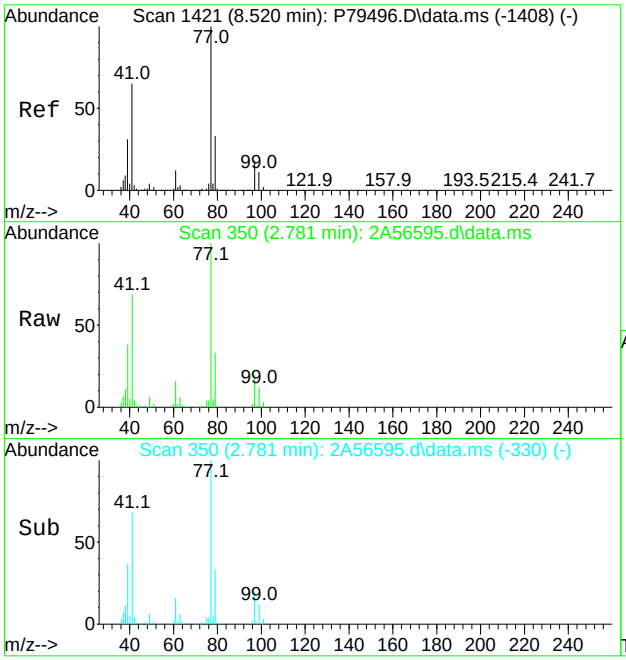


#32
cis-1,2-Dichloroethene
Concen: 41.7792 ug/L
RT: 2.720 min Scan# 342
Delta R.T. 0.001 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 96 Resp: 54635

Ion	Ratio	Lower	Upper
96	100		
61	138.4	67.8	127.8#
98	63.7	35.4	95.4
63	45.3	2.5	62.5

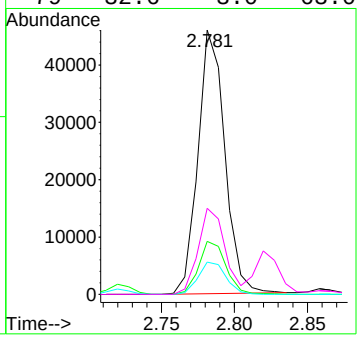


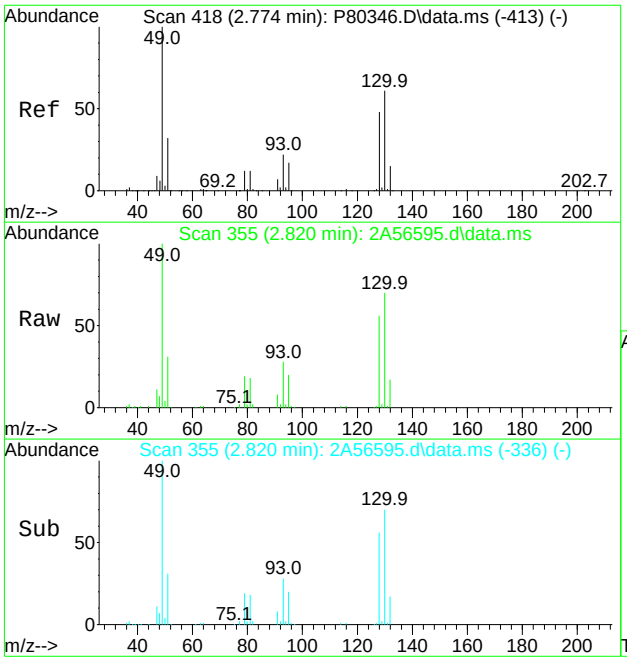


#33
2,2-Dichloropropane
Concen: 30.4769 ug/L
RT: 2.781 min Scan# 350
Delta R.T. 0.000 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 77 Resp: 58912

Ion	Ratio	Lower	Upper
77	100		
97	20.0	0.0	55.3
99	12.2	0.0	46.1
79	32.6	3.0	63.0

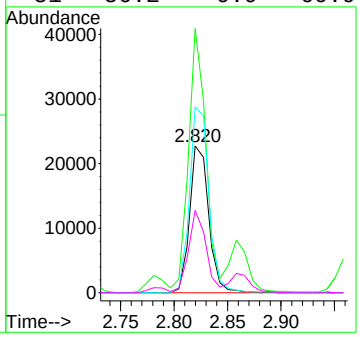


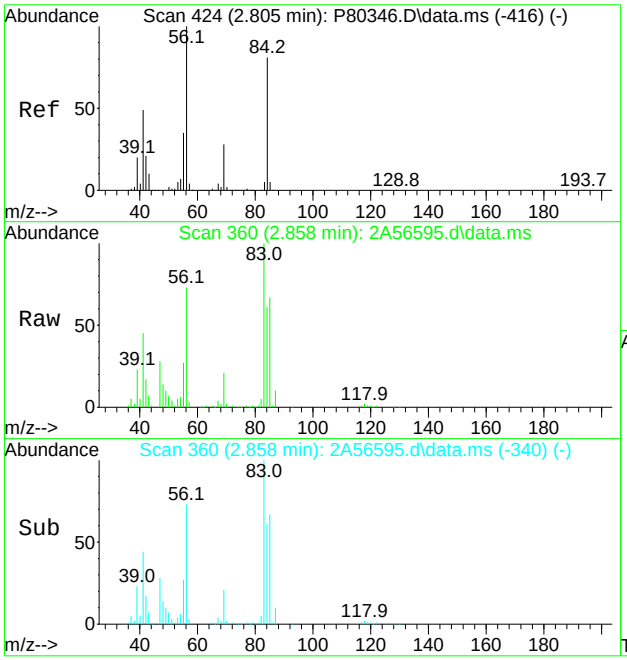


#34
Bromochloromethane
Concen: 42.1682 ug/L
RT: 2.820 min Scan# 355
Delta R.T. -0.007 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion:128 Resp: 28352

Ion	Ratio	Lower	Upper
128	100		
49	179.1	59.7	119.7#
130	126.6	98.7	158.7
51	56.2	0.9	60.9

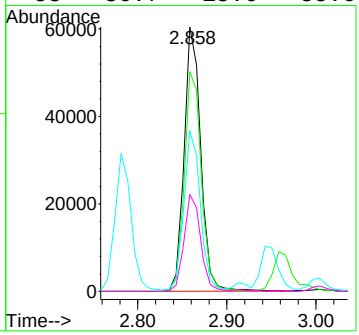


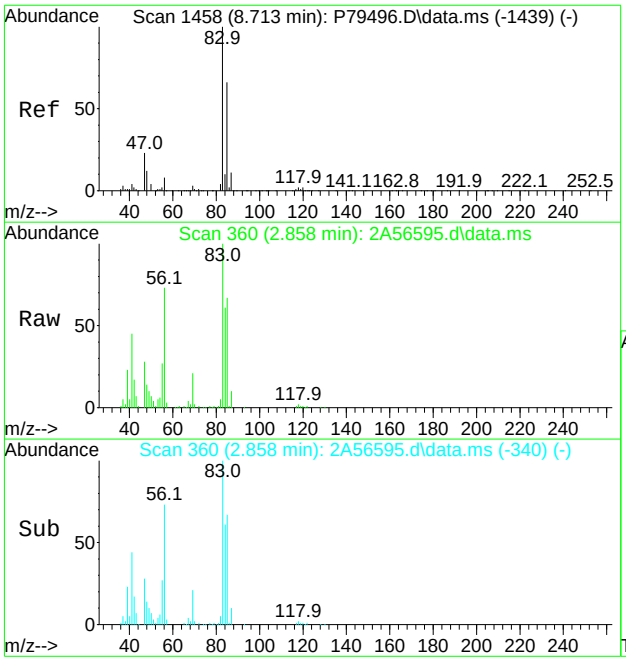


#35
Cyclohexane
Concen: 35.2833 ug/L
RT: 2.858 min Scan# 360
Delta R.T. 0.000 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 56 Resp: 78273

Ion	Ratio	Lower	Upper
56	100		
84	83.1	84.9	124.9#
41	60.2	22.8	62.8
55	36.7	15.6	55.6

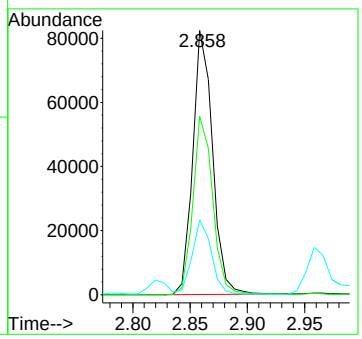


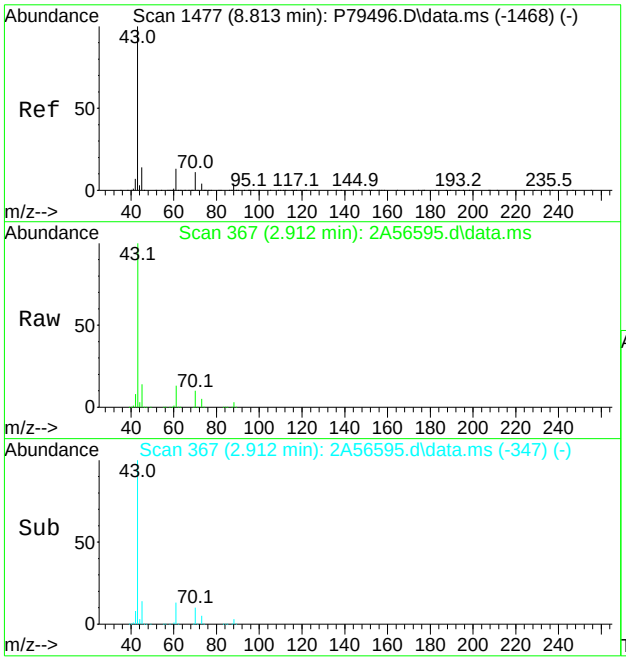


#36
Chloroform
Concen: 44.6690 ug/L
RT: 2.858 min Scan# 360
Delta R.T. 0.000 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 83 Resp: 98789

Ion	Ratio	Lower	Upper
83	100		
85	67.5	36.7	96.7
47	28.2	0.0	46.3

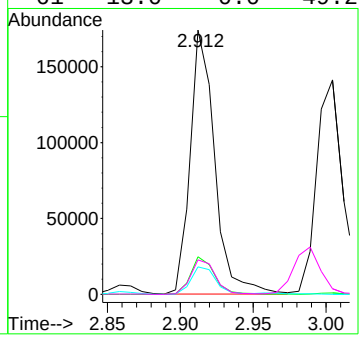


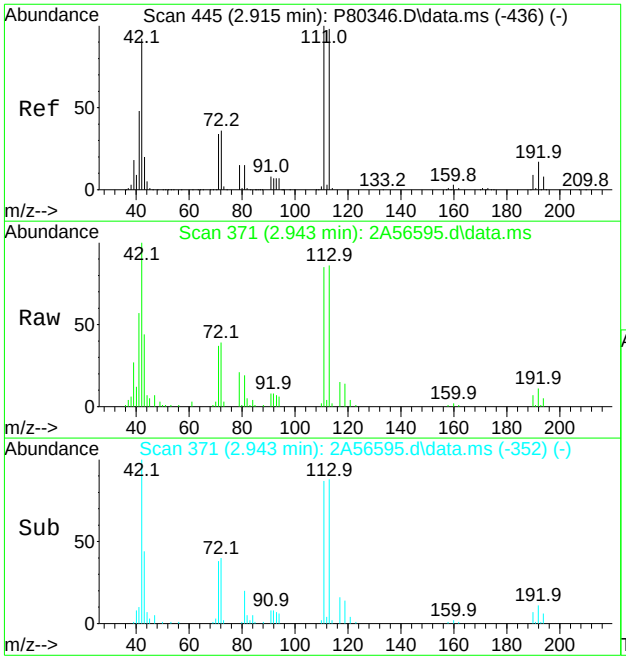


#37
Ethyl acetate
Concen: 128.6574 ug/L
RT: 2.912 min Scan# 367
Delta R.T. 0.000 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 43 Resp: 204827

Ion	Ratio	Lower	Upper
43	100		
45	14.2	0.0	45.2
70	10.4	0.0	47.0
61	13.0	0.0	49.2

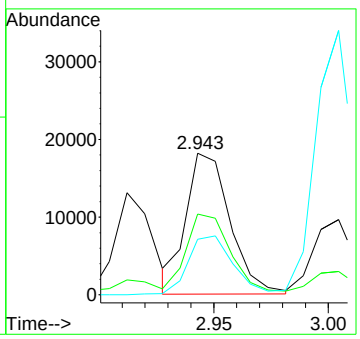


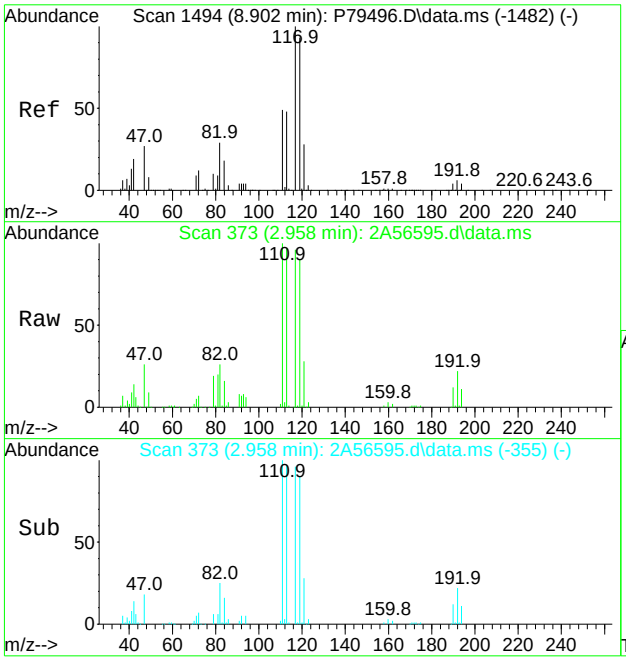


#38
Tetrahydrofuran
Concen: 42.8806 ug/L
RT: 2.943 min Scan# 371
Delta R.T. -0.000 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 42 Resp: 24329

Ion	Ratio	Lower	Upper
42	100		
41	56.2	32.5	72.5
72	39.6	38.3	78.3

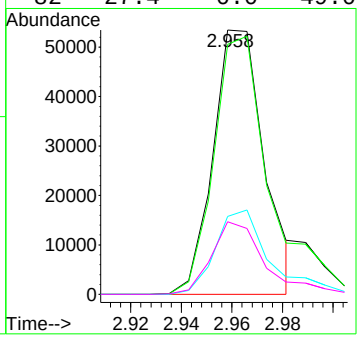


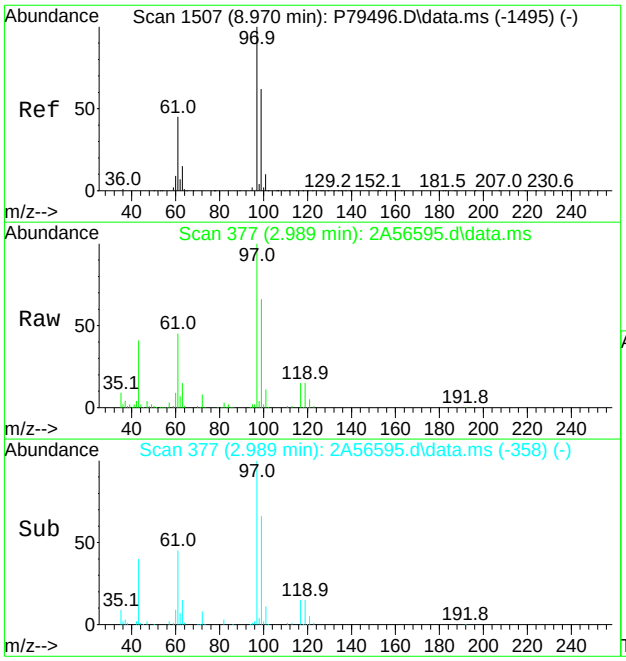


#40
Carbon Tetrachloride
Concen: 40.8246 ug/L m
RT: 2.958 min Scan# 373
Delta R.T. -0.008 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion:117 Resp: 75410

Ion	Ratio	Lower	Upper
117	100		
119	94.5	66.3	126.3
121	29.5	1.0	61.0
82	27.4	0.0	49.0

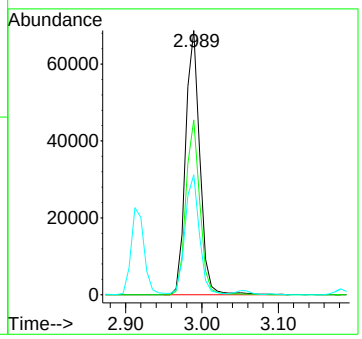


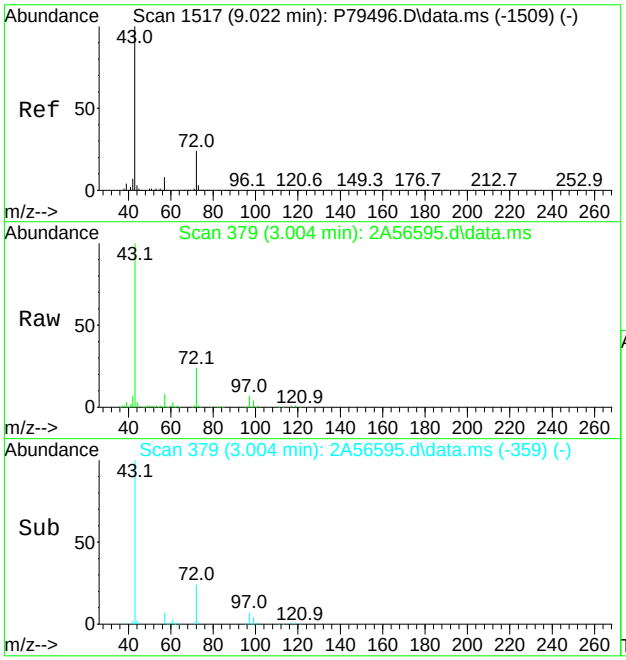


#41
1,1,1-Trichloroethane
Concen: 42.0119 ug/L
RT: 2.989 min Scan# 377
Delta R.T. 0.000 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 97 Resp: 89067

Ion	Ratio	Lower	Upper
97	100		
99	66.1	33.6	93.6
61	45.4	4.0	64.0

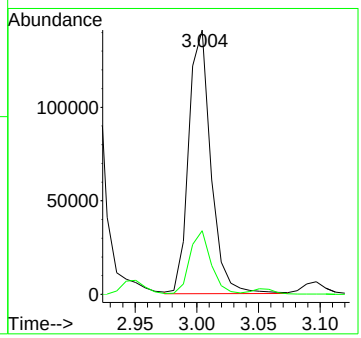


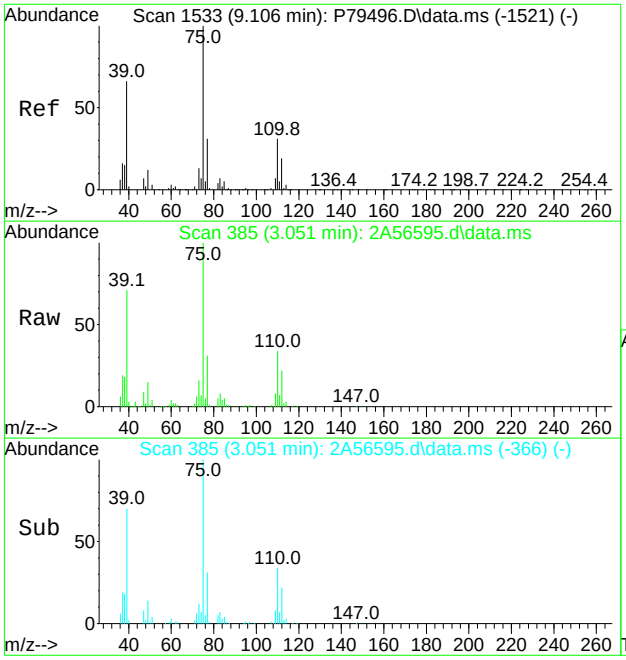


#42
2-Butanone
Concen: 224.0060 ug/L
RT: 3.004 min Scan# 379
Delta R.T. 0.000 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 43 Resp: 177602

Ion	Ratio	Lower	Upper
43	100		
72	24.0	4.3	64.3

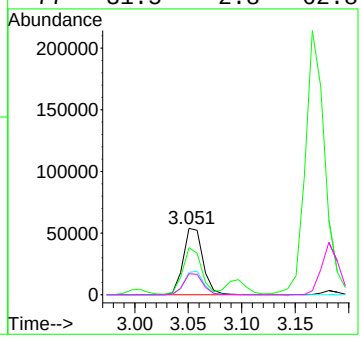


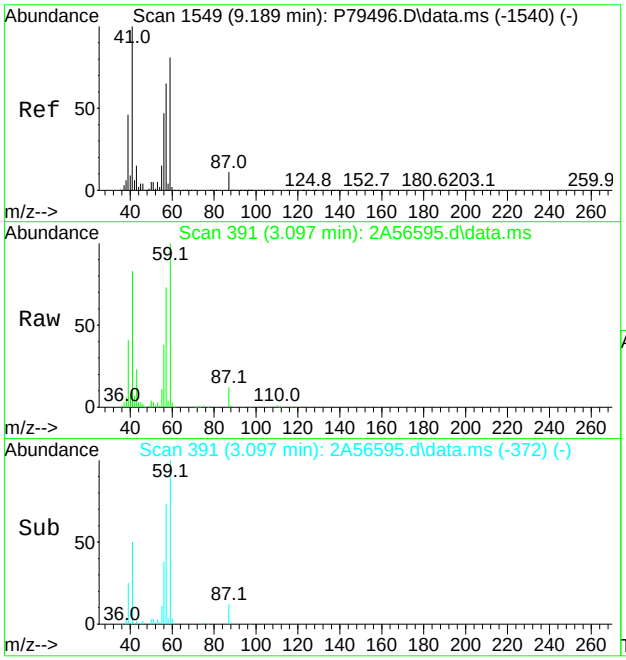


#43
1,1-Dichloropropene
Concen: 41.3631 ug/L
RT: 3.051 min Scan# 385
Delta R.T. -0.007 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 75 Resp: 69088

Ion	Ratio	Lower	Upper
75	100		
39	70.0	8.8	68.8#
110	33.9	14.2	74.2
77	31.5	2.8	62.8

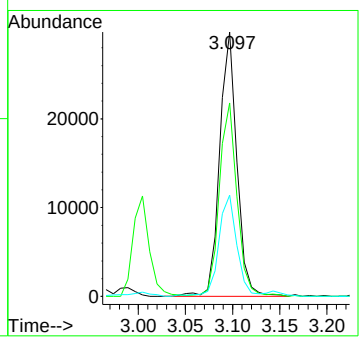


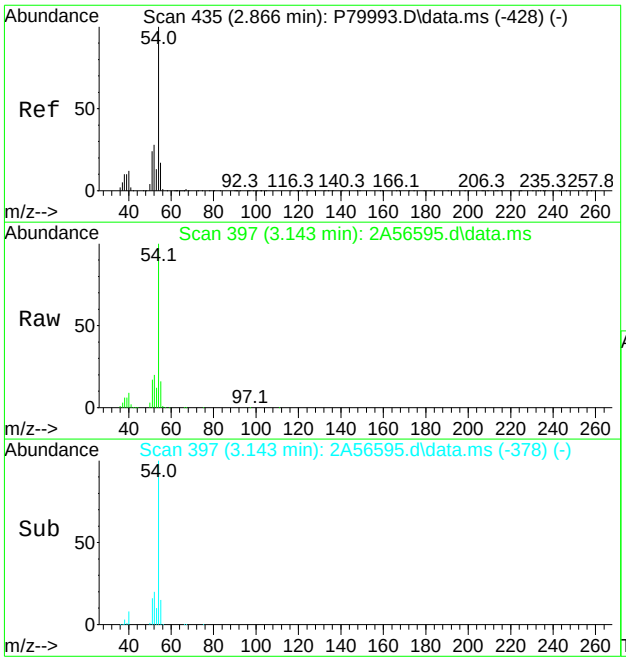


#44
tert-Butyl formate
Concen: 37.9977 ug/L
RT: 3.097 min Scan# 391
Delta R.T. -0.000 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 59 Resp: 37740

Ion	Ratio	Lower	Upper
59	100		
57	73.2	60.4	100.4
56	38.3	18.9	58.9

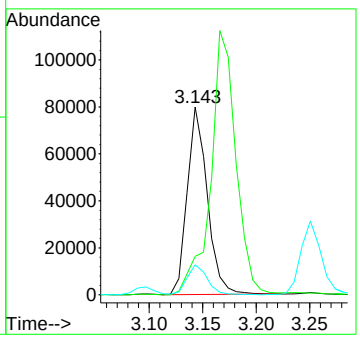


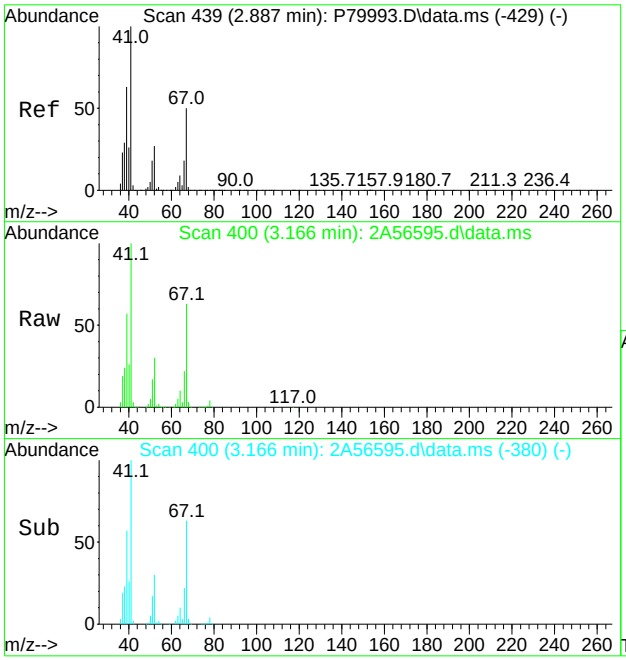


#45
Propionitrile
Concen: 459.7720 ug/L
RT: 3.143 min Scan# 397
Delta R.T. 0.000 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 54 Resp: 104331

Ion	Ratio	Lower	Upper
54	100		
52	20.5	0.0	39.7
55	15.4	0.0	36.1

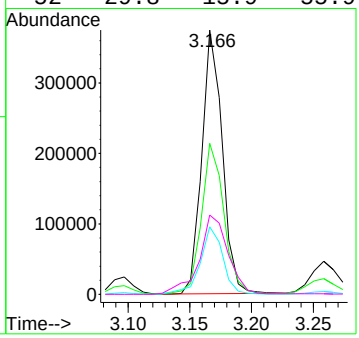


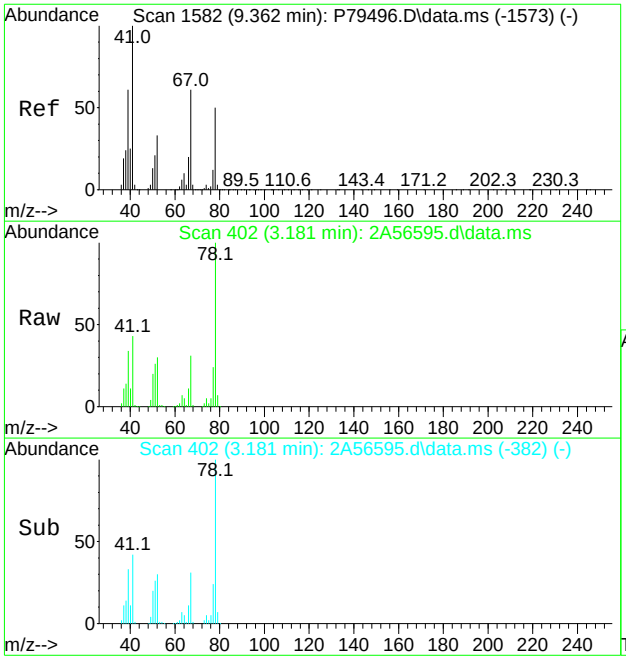


#46
Methacrylonitrile
Concen: 480.9823 ug/L
RT: 3.166 min Scan# 400
Delta R.T. 0.000 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 41 Resp: 429427

Ion	Ratio	Lower	Upper
41	100		
39	57.0	33.5	73.5
40	25.4	4.9	44.9
52	29.8	15.9	55.9

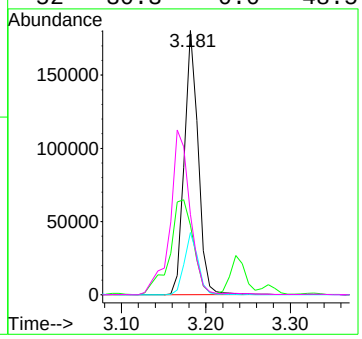


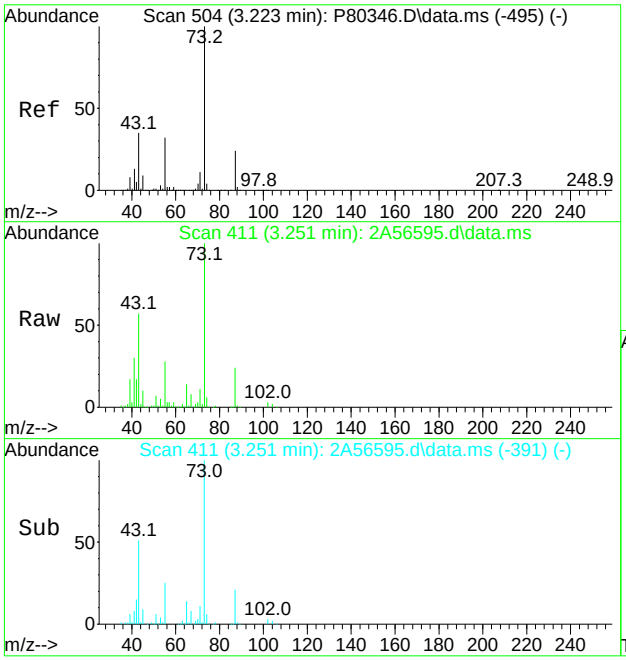


#47
Benzene
Concen: 41.8103 ug/L
RT: 3.181 min Scan# 402
Delta R.T. 0.000 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 78 Resp: 204922

Ion	Ratio	Lower	Upper
78	100		
51	26.0	0.0	43.6
77	23.5	0.0	52.8
52	30.3	0.0	48.5

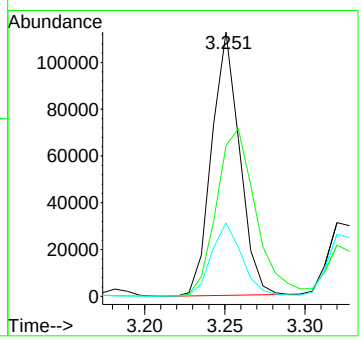


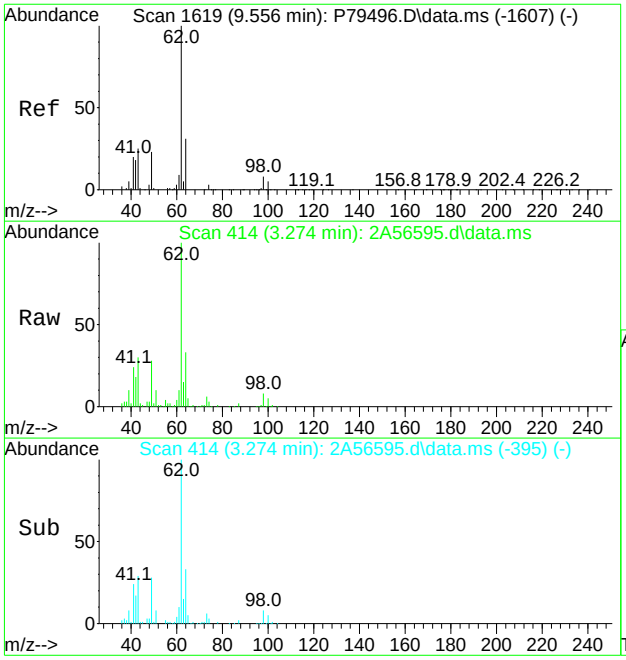


#48
TAME
Concen: 42.9614 ug/L
RT: 3.251 min Scan# 411
Delta R.T. 0.001 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 73 Resp: 136598

Ion	Ratio	Lower	Upper
73	100		
43	56.9	25.2	65.2
55	27.6	5.6	45.6

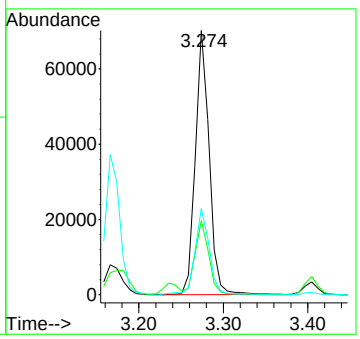


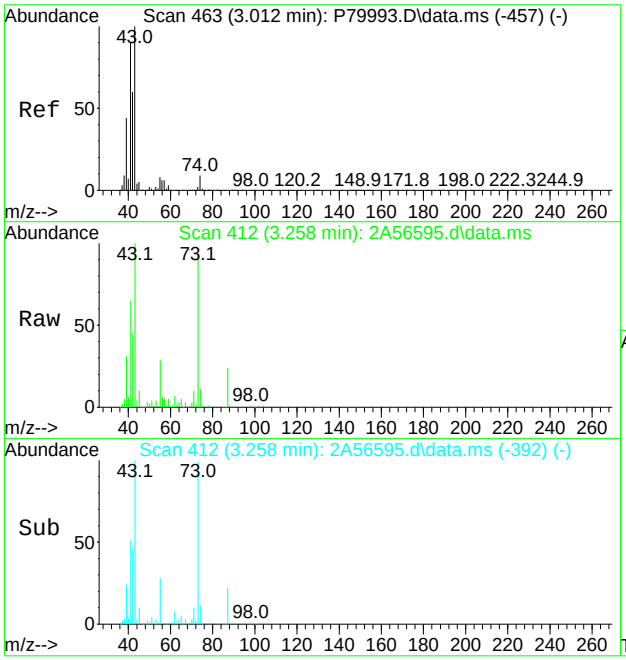


#50
1,2-Dichloroethane
Concen: 44.9711 ug/L
RT: 3.274 min Scan# 414
Delta R.T. -0.000 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 62 Resp: 80551

Ion	Ratio	Lower	Upper
62	100		
49	28.1	0.0	55.5
64	32.7	3.5	63.5

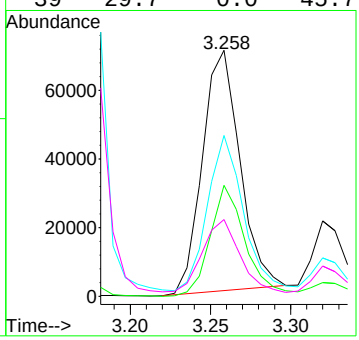


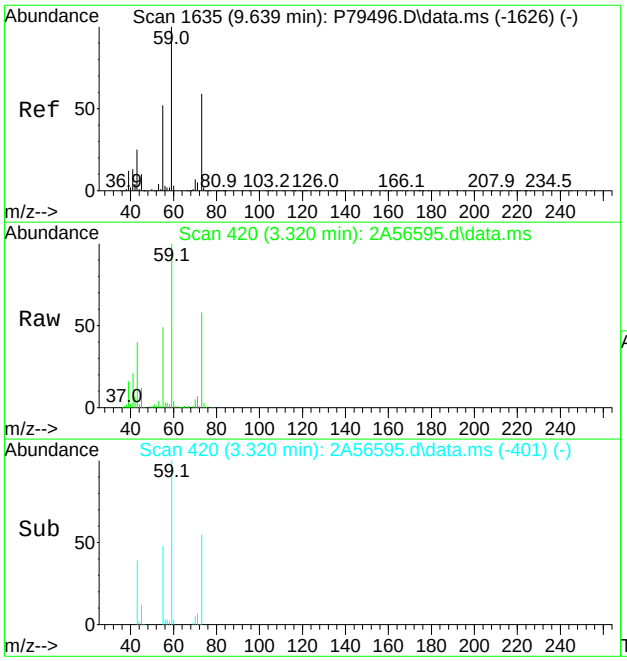


#51
Isobutyl Alcohol
Concen: 937.1517 ug/L
RT: 3.258 min Scan# 412
Delta R.T. 0.000 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 43 Resp: 114556

Ion	Ratio	Lower	Upper
43	100		
42	45.3	0.0	105.5
41	62.8	0.0	129.5
39	29.7	0.0	45.7

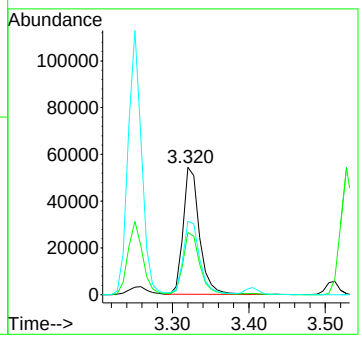


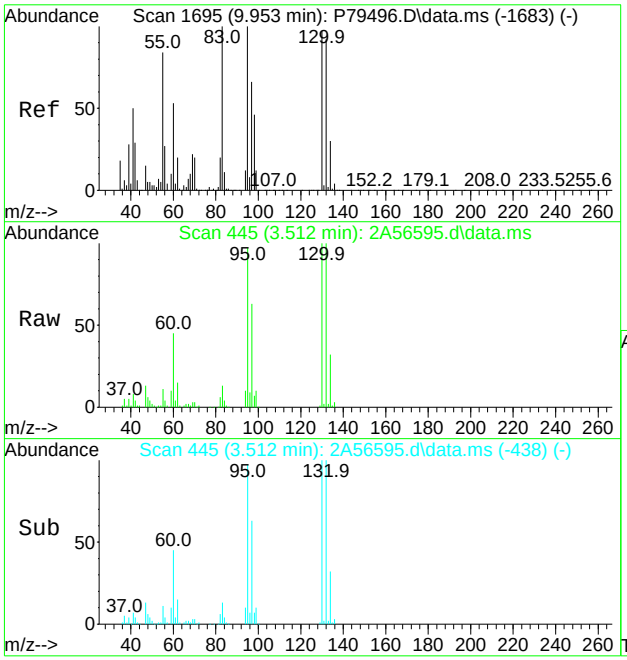


#52
Tert Amyl Alcohol
Concen: 516.6354 ug/L
RT: 3.320 min Scan# 420
Delta R.T. 0.000 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 59 Resp: 80113

Ion	Ratio	Lower	Upper
59	100		
55	48.7	21.7	81.7
73	57.5	35.8	95.8

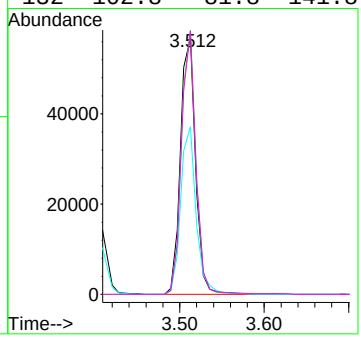


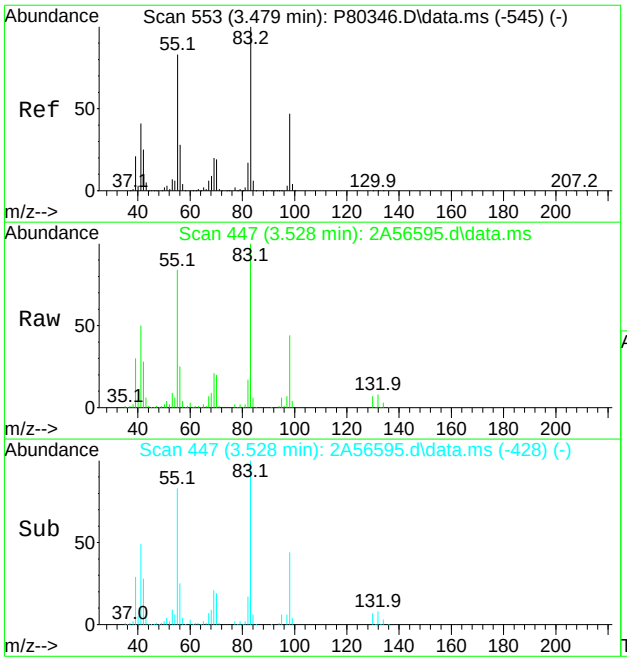


#53
Trichloroethene
Concen: 50.4895 ug/L
RT: 3.512 min Scan# 445
Delta R.T. 0.000 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 95 Resp: 70567

Ion	Ratio	Lower	Upper
95	100		
130	103.2	85.1	145.1
97	65.4	34.8	94.8
132	102.8	81.8	141.8

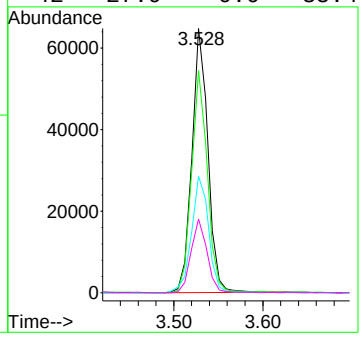


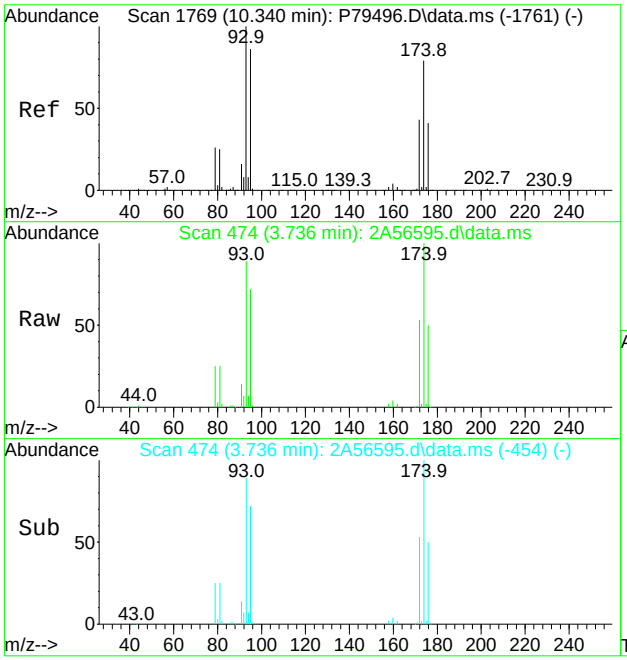


#54
Methylcyclohexane
Concen: 37.3751 ug/L
RT: 3.528 min Scan# 447
Delta R.T. -0.000 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 83 Resp: 80876

Ion	Ratio	Lower	Upper
83	100		
55	84.0	45.2	85.2
98	44.1	28.6	68.6
42	27.9	0.0	35.4

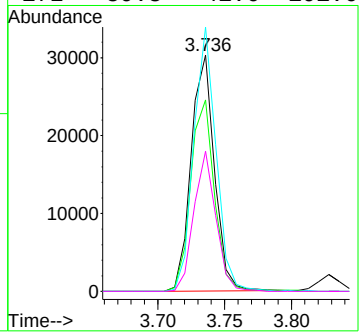


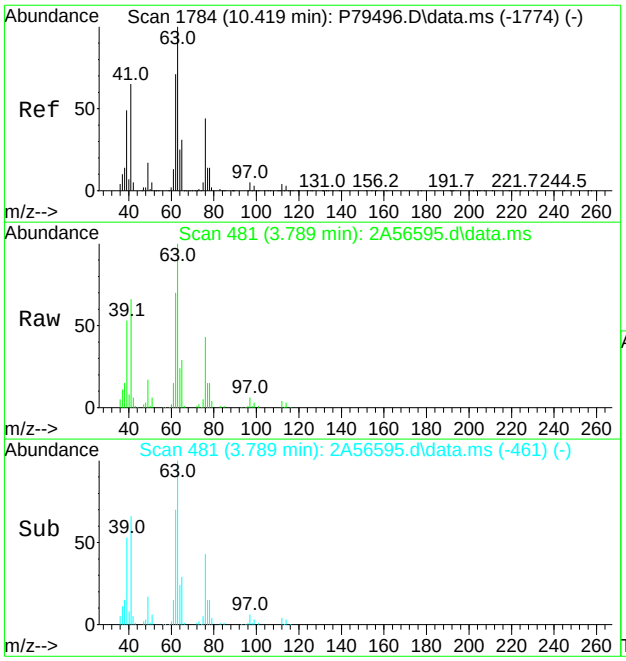


#55
Dibromomethane
Concen: 43.6121 ug/L
RT: 3.736 min Scan# 474
Delta R.T. 0.001 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 93 Resp: 36950

Ion	Ratio	Lower	Upper
93	100		
95	81.0	54.9	114.9
174	111.9	103.7	163.7
172	59.3	41.6	101.6

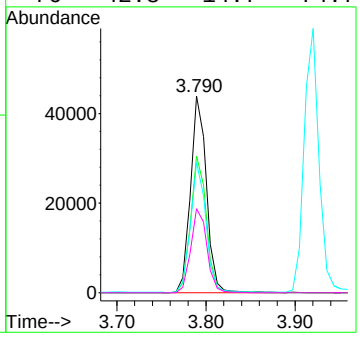


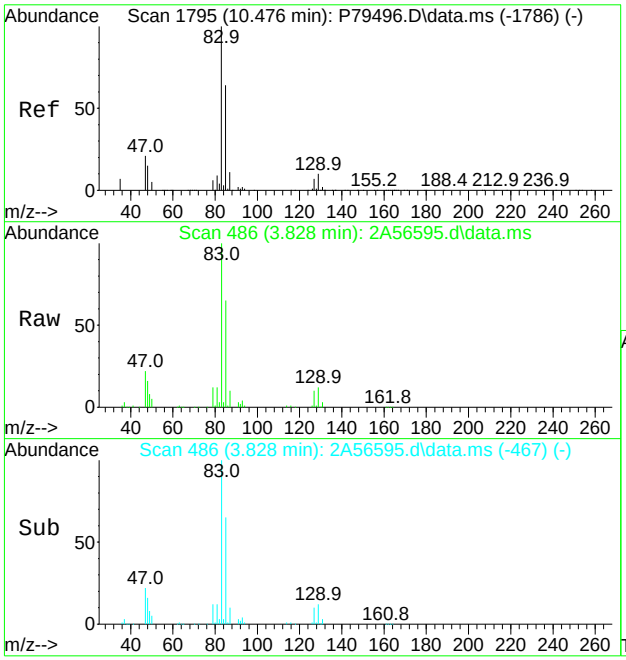


#56
1,2-Dichloropropane
Concen: 43.1338 ug/L
RT: 3.789 min Scan# 481
Delta R.T. 0.000 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 63 Resp: 54615

Ion	Ratio	Lower	Upper
63	100		
62	69.6	41.2	101.2
41	65.9	10.8	70.8
76	42.8	14.7	74.7

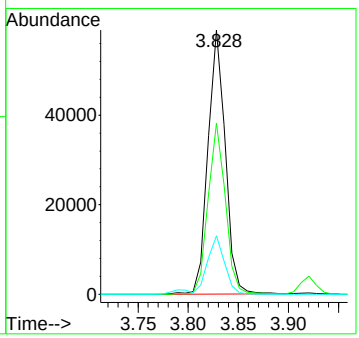


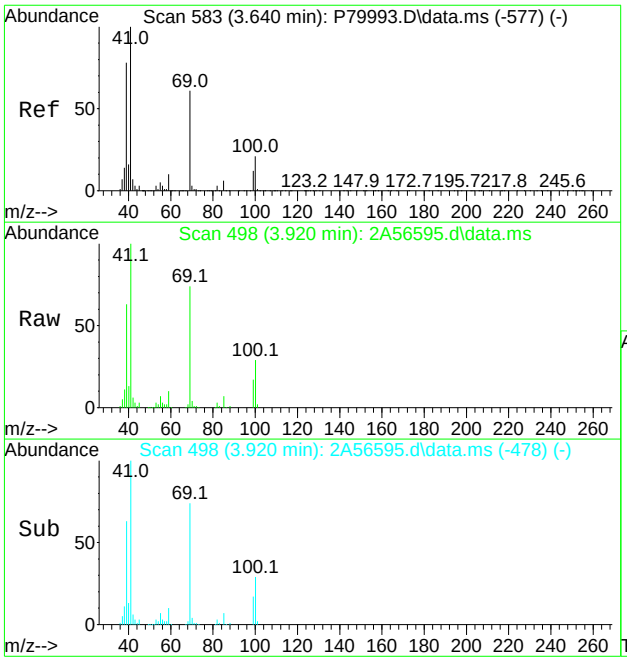


#57
Bromodichloromethane
Concen: 39.9214 ug/L
RT: 3.828 min Scan# 486
Delta R.T. -0.000 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 83 Resp: 70727

Ion	Ratio	Lower	Upper
83	100		
85	64.8	45.3	84.1
47	22.1	9.7	18.1#

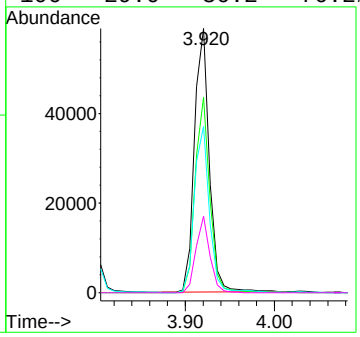


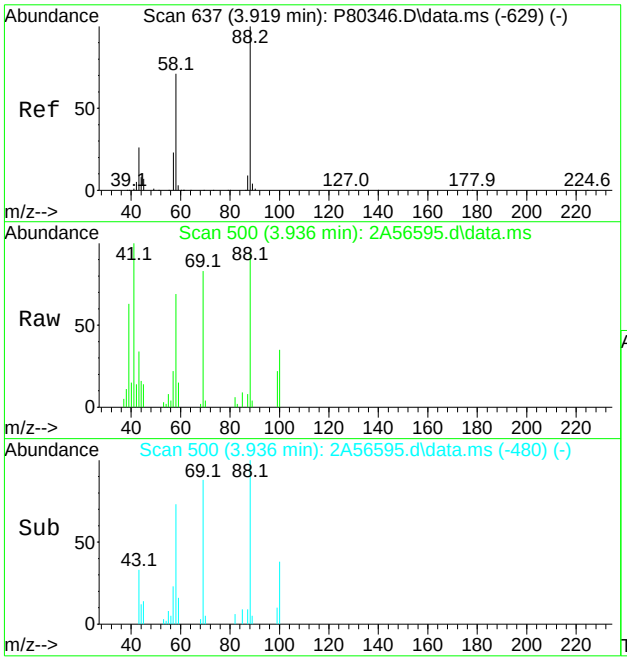


#58
Methyl methacrylate
Concen: 57.2737 ug/L
RT: 3.920 min Scan# 498
Delta R.T. 0.000 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 41 Resp: 68289

Ion	Ratio	Lower	Upper
41	100		
69	74.1	93.5	133.5#
39	63.1	31.0	71.0
100	29.0	36.2	76.2#

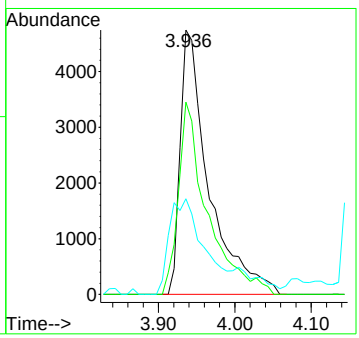


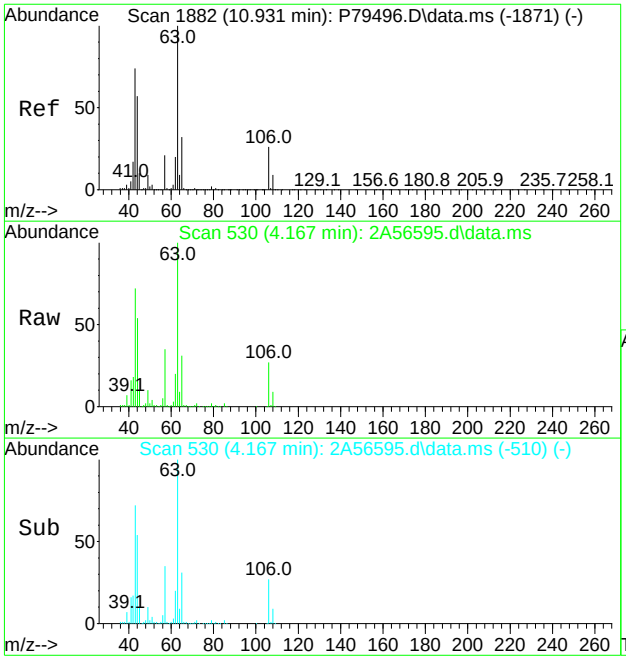


#59
1,4-Dioxane
Concen: 1007.0790 ug/L
RT: 3.936 min Scan# 500
Delta R.T. 0.001 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 88 Resp: 12308

Ion	Ratio	Lower	Upper
88	100		
58	72.7	33.5	93.5
43	33.0	0.0	49.4

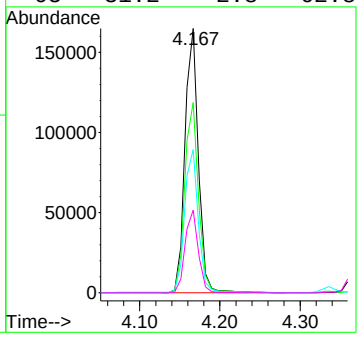


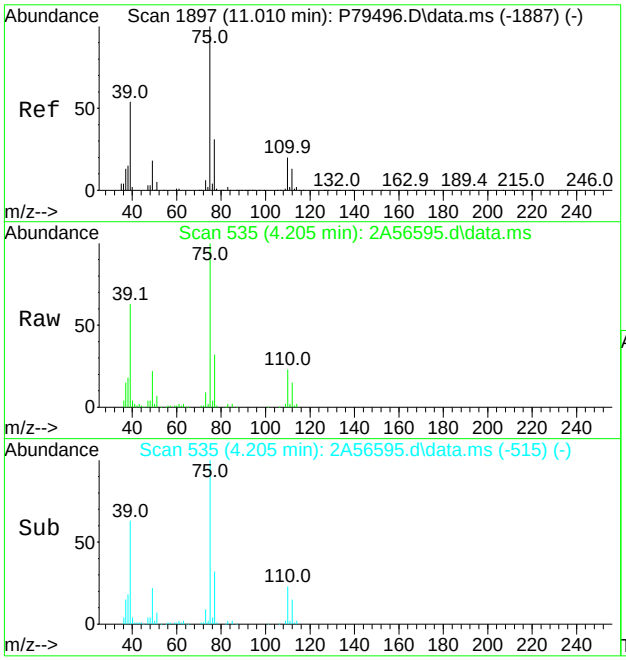


#60
2-Chloroethyl vinyl ether
Concen: 221.8056 ug/L
RT: 4.167 min Scan# 530
Delta R.T. 0.001 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 63 Resp: 191628

Ion	Ratio	Lower	Upper
63	100		
43	71.9	22.2	82.2
44	54.0	10.6	70.6
65	31.2	2.8	62.8

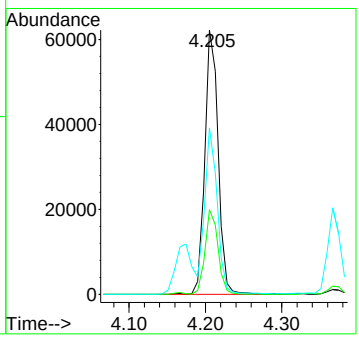


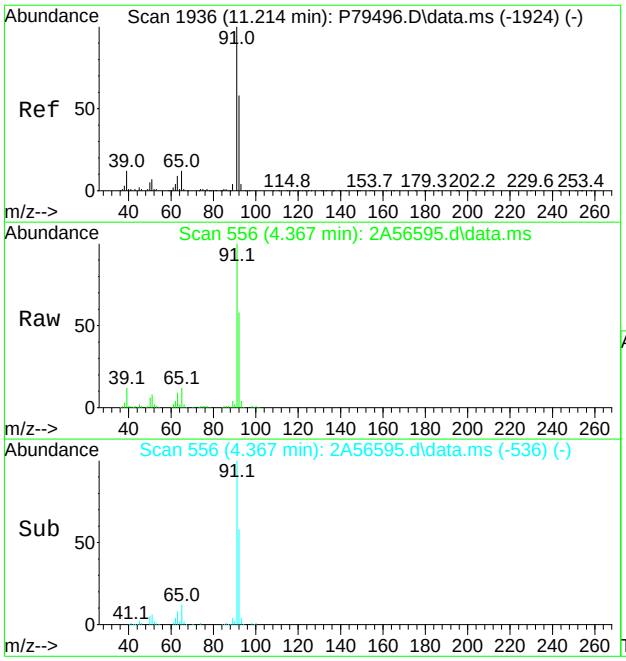


#61
cis-1,3-Dichloropropene
Concen: 39.3509 ug/L
RT: 4.205 min Scan# 535
Delta R.T. 0.000 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 75 Resp: 75626

Ion	Ratio	Lower	Upper
75	100		
77	32.0	2.0	62.0
39	62.7	6.5	66.5

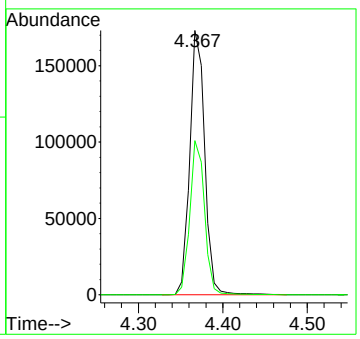


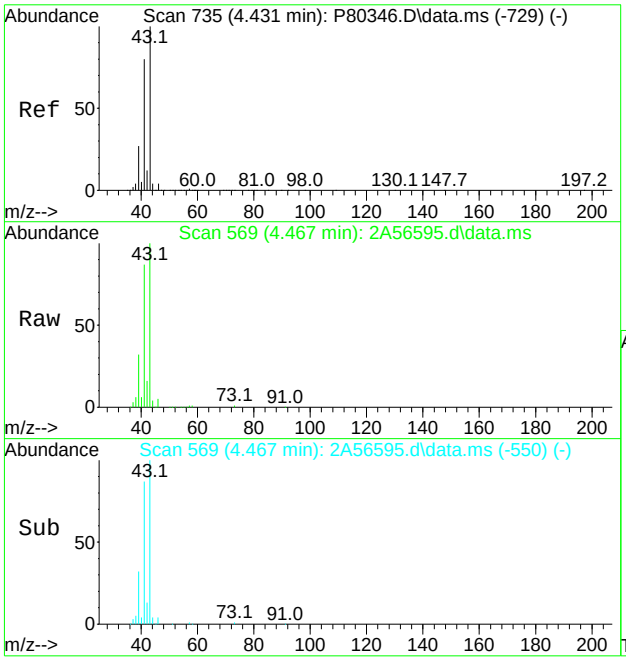


#64
Toluene
Concen: 38.8668 ug/L
RT: 4.367 min Scan# 556
Delta R.T. 0.001 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 91 Resp: 214001

Ion	Ratio	Lower	Upper
91	100		
92	58.3	28.2	88.2

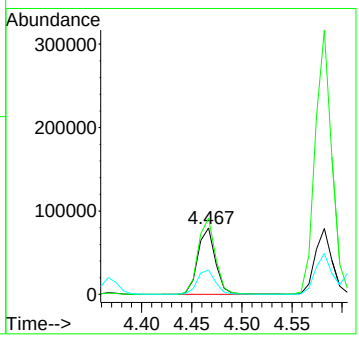


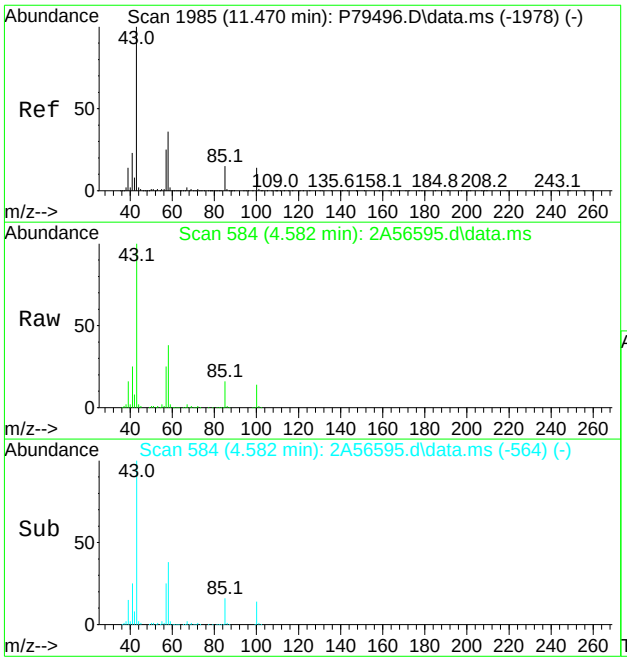


#65
2-Nitropropane
Concen: 199.8131 ug/L
RT: 4.467 min Scan# 569
Delta R.T. -0.000 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 41 Resp: 96801

Ion	Ratio	Lower	Upper
41	100		
43	114.3	102.6	142.6
39	36.6	13.7	53.7

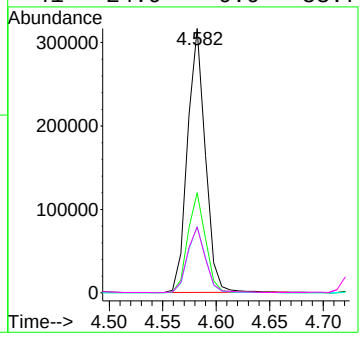


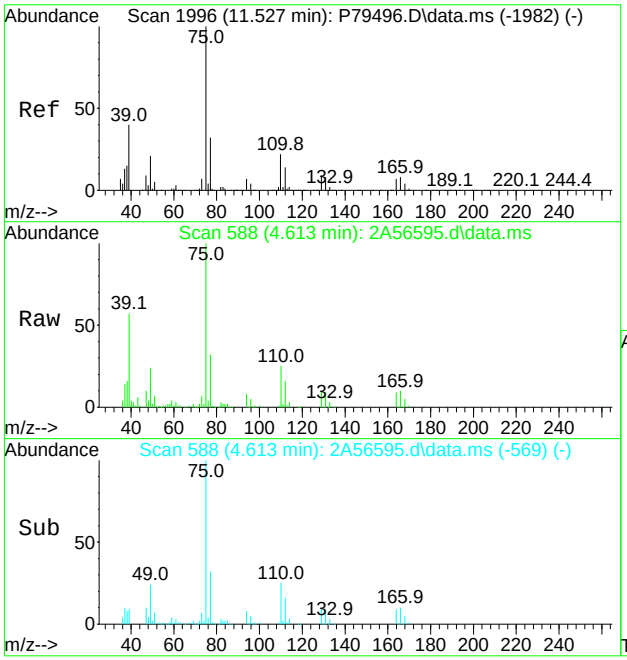


#66
4-Methyl-2-pentanone
Concen: 223.4589 ug/L
RT: 4.582 min Scan# 584
Delta R.T. 0.000 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 43 Resp: 367146

Ion	Ratio	Lower	Upper
43	100		
58	37.9	21.2	81.2
57	25.0	2.1	62.1
41	24.9	0.0	53.7

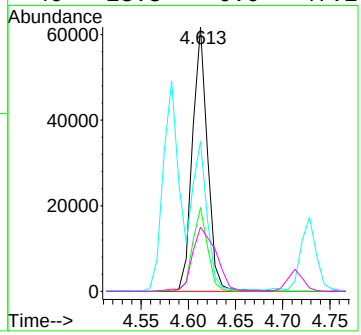


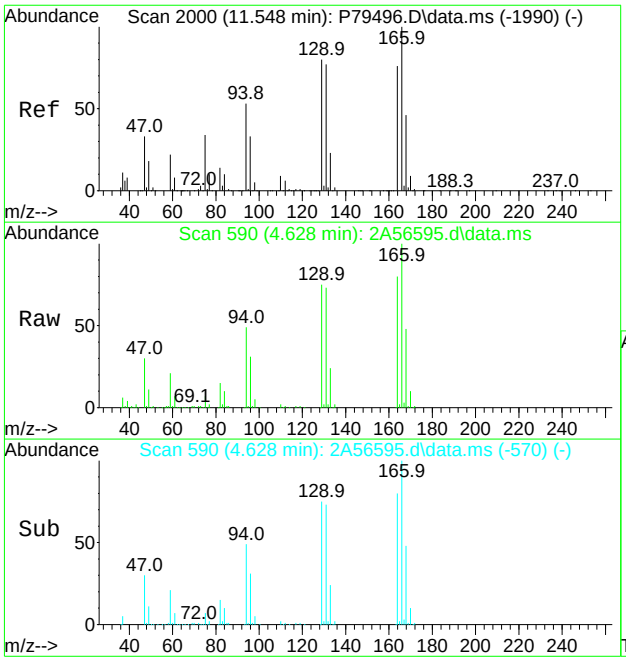


#67
trans-1,3-Dichloropropene
Concen: 37.9128 ug/L
RT: 4.613 min Scan# 588
Delta R.T. 0.000 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 75 Resp: 69006

Ion	Ratio	Lower	Upper
75	100		
77	31.7	2.1	62.1
39	56.0	3.0	63.0
49	23.8	0.0	47.2

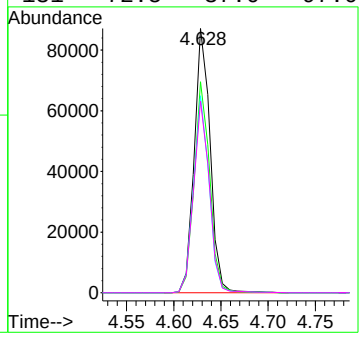


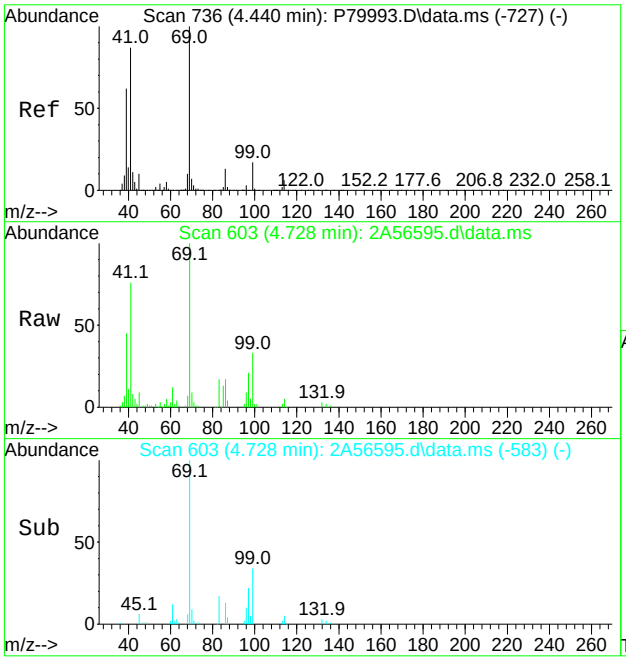


#68
Tetrachloroethene
Concen: 72.0717 ug/L
RT: 4.628 min Scan# 590
Delta R.T. 0.000 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion:166 Resp: 102590

Ion	Ratio	Lower	Upper
166	100		
164	79.8	46.2	106.2
129	74.6	38.1	98.1
131	72.5	37.0	97.0

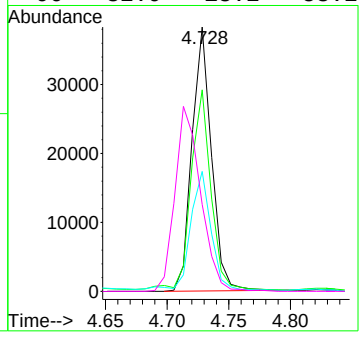


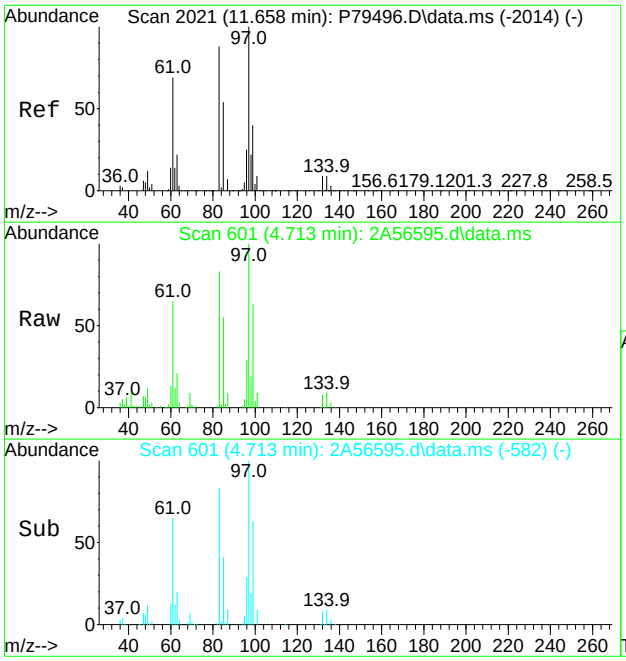


#69
Ethyl methacrylate
Concen: 25.8254 ug/L
RT: 4.728 min Scan# 603
Delta R.T. 0.000 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 69 Resp: 42114

Ion	Ratio	Lower	Upper
69	100		
41	75.7	28.1	68.1#
39	44.9	4.0	44.0#
99	32.9	13.2	53.2

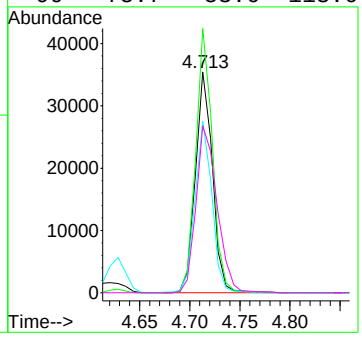


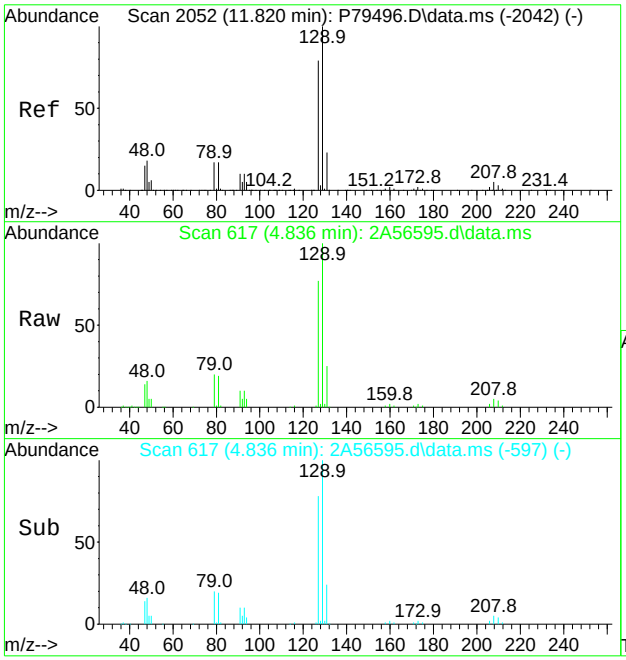


#70
1,1,2-Trichloroethane
Concen: 40.7250 ug/L
RT: 4.713 min Scan# 601
Delta R.T. 0.000 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 83 Resp: 42123

Ion	Ratio	Lower	Upper
83	100		
97	119.8	98.7	158.7
61	77.8	27.9	87.9
99	75.7	53.6	113.6

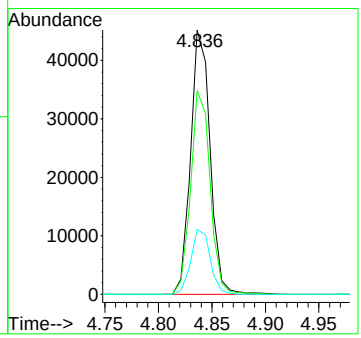


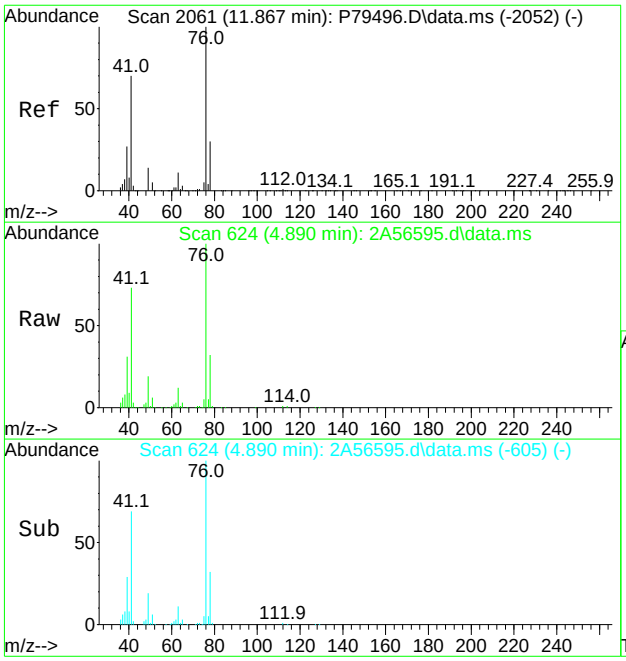


#71
Dibromochloromethane
Concen: 44.6642 ug/L
RT: 4.836 min Scan# 617
Delta R.T. 0.000 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion:129 Resp: 57353

Ion	Ratio	Lower	Upper
129	100		
127	77.1	48.6	108.6
131	24.6	0.0	55.5

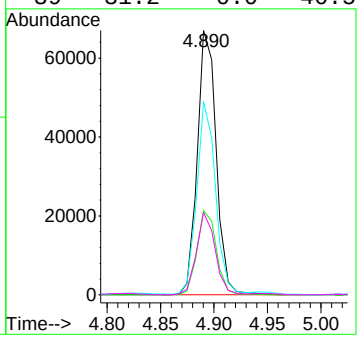


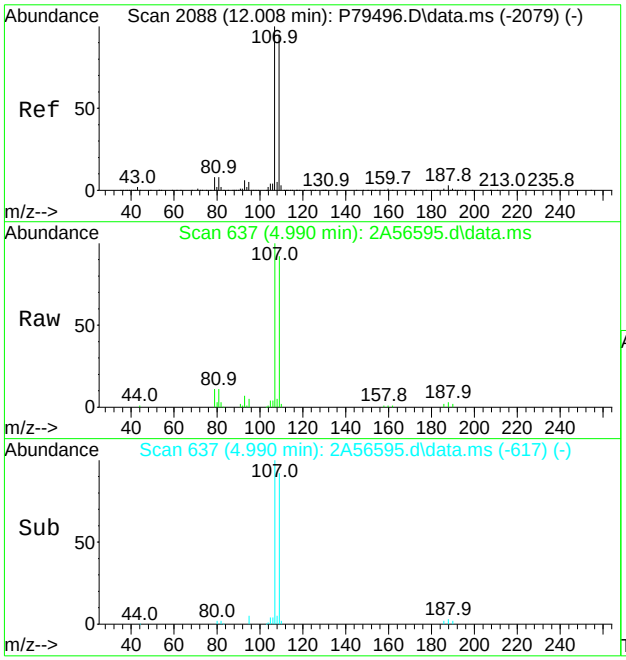


#72
1,3-Dichloropropane
Concen: 45.9857 ug/L
RT: 4.890 min Scan# 624
Delta R.T. 0.000 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 76 Resp: 82726

Ion	Ratio	Lower	Upper
76	100		
78	31.9	3.7	63.7
41	72.9	15.6	75.6
39	31.2	0.0	46.5

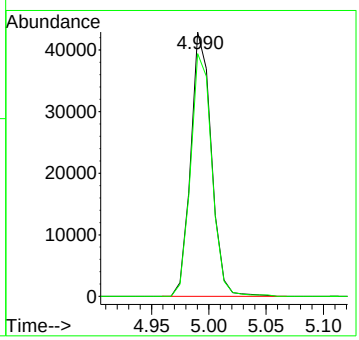


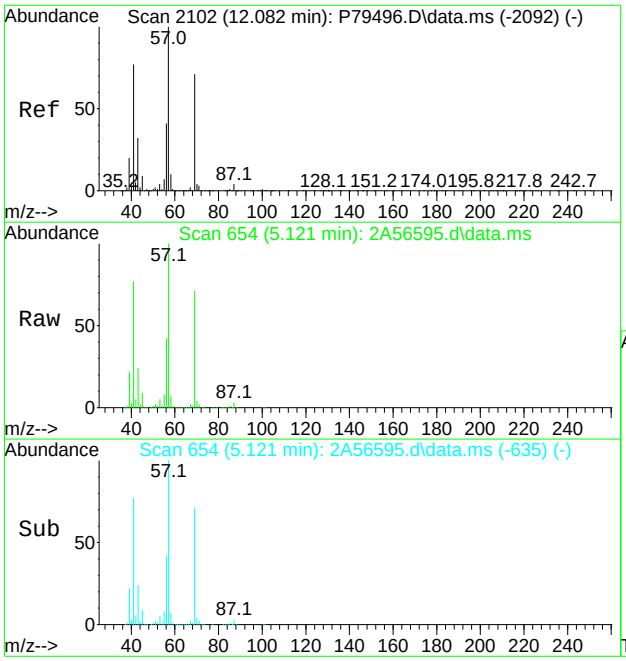


#73
1,2-Dibromoethane
Concen: 43.7553 ug/L
RT: 4.990 min Scan# 637
Delta R.T. 0.000 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion:107 Resp: 53744

Ion	Ratio	Lower	Upper
107	100		
109	91.8	69.0	129.0

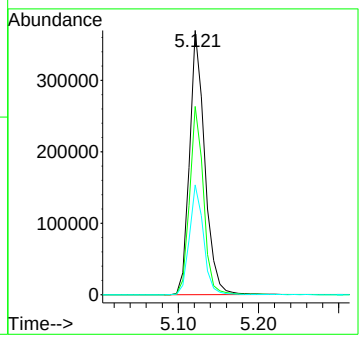


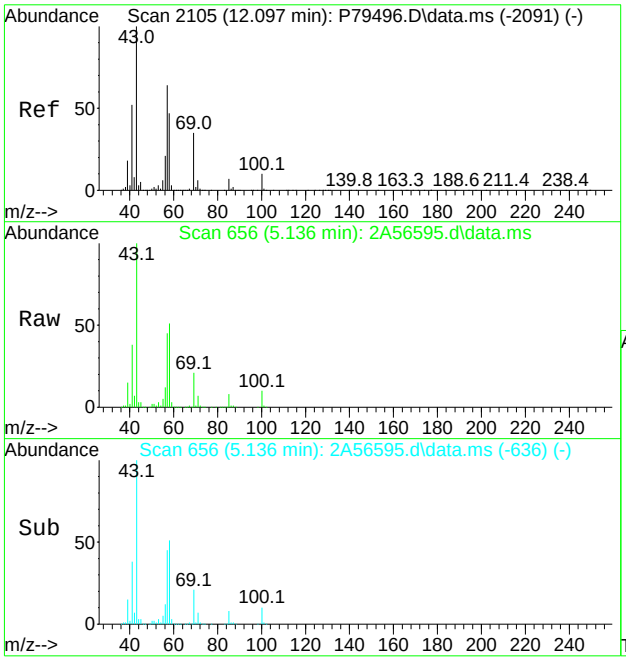


#74
3,3-Dimethyl-1-Butanol
Concen: 2407.3317 ug/L
RT: 5.121 min Scan# 654
Delta R.T. -0.000 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 57 Resp: 487420

Ion	Ratio	Lower	Upper
57	100		
69	64.9	51.6	91.6
56	38.5	17.9	57.9

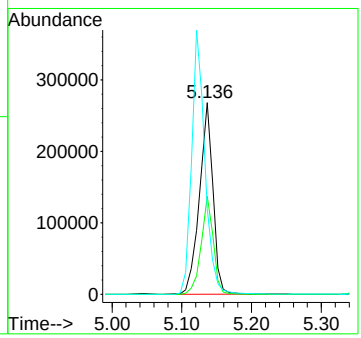


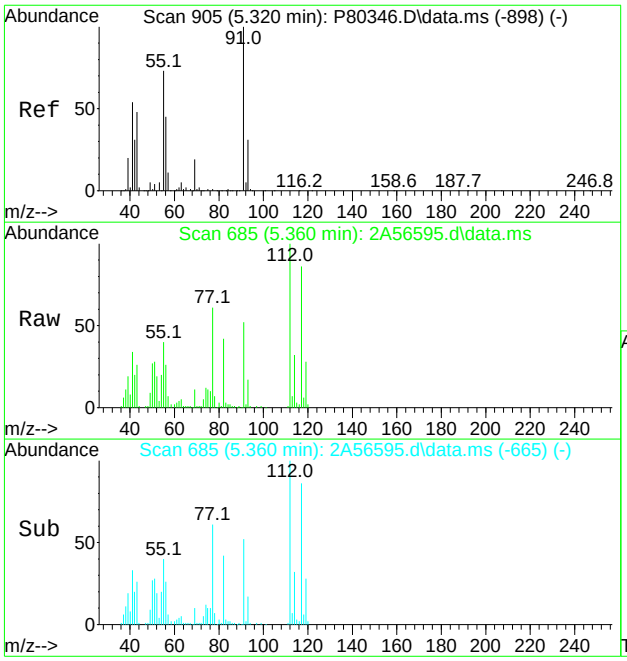


#75
2-hexanone
Concen: 229.2186 ug/L
RT: 5.136 min Scan# 656
Delta R.T. 0.000 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 43 Resp: 365297

Ion	Ratio	Lower	Upper
43	100		
58	51.2	35.6	95.6
57	44.8	33.1	93.1

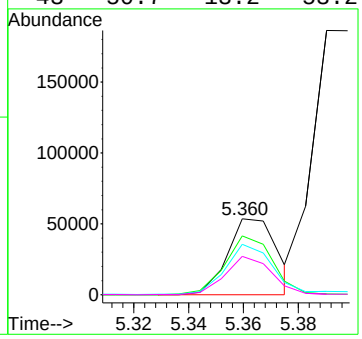


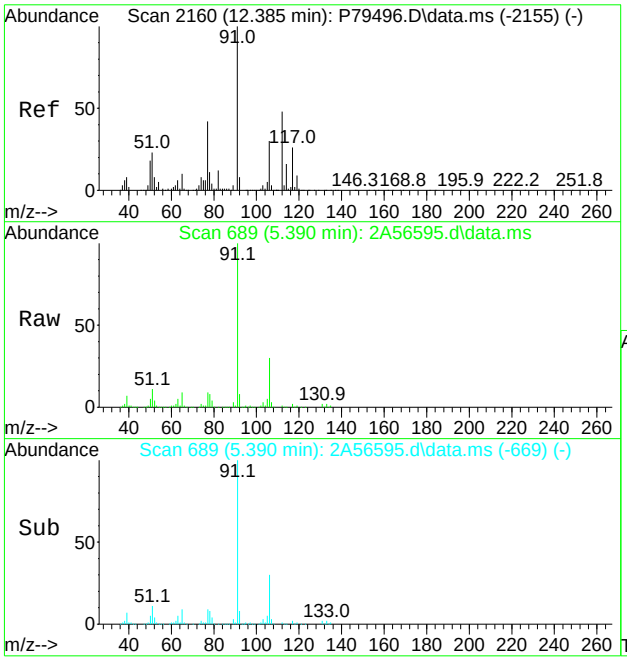


#76
1-Chlorohexane
Concen: 32.4724 ug/L m
RT: 5.360 min Scan# 685
Delta R.T. 0.001 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 91 Resp: 67733

Ion	Ratio	Lower	Upper
91	100		
55	77.5	38.9	78.9
41	66.4	19.2	59.2#
43	50.7	13.2	53.2

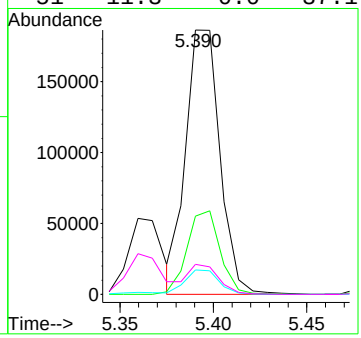


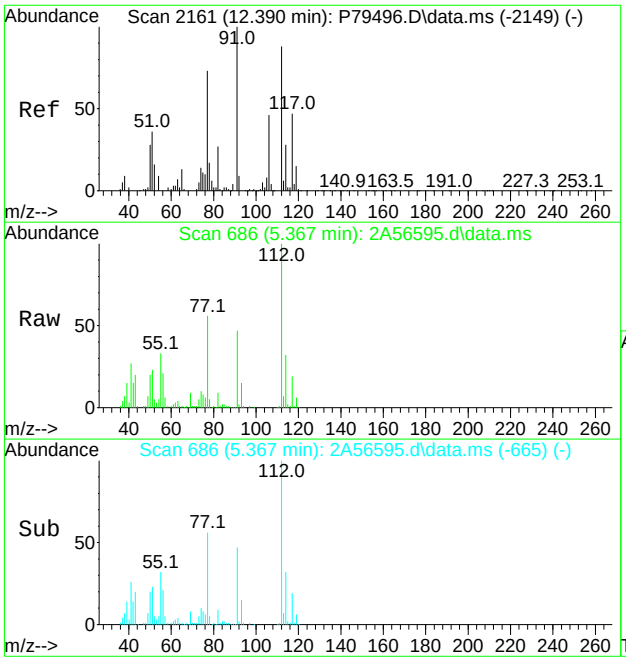


#77
Ethylbenzene
Concen: 37.3118 ug/L m
RT: 5.390 min Scan# 689
Delta R.T. 0.000 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 91 Resp: 238016

Ion	Ratio	Lower	Upper
91	100		
106	29.6	4.3	64.3
65	9.3	0.0	37.1
51	11.3	0.0	37.1

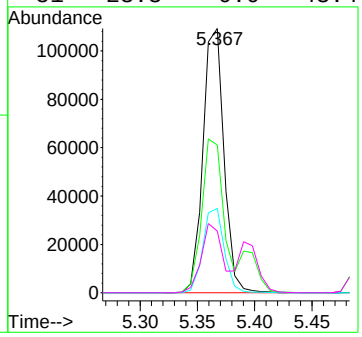


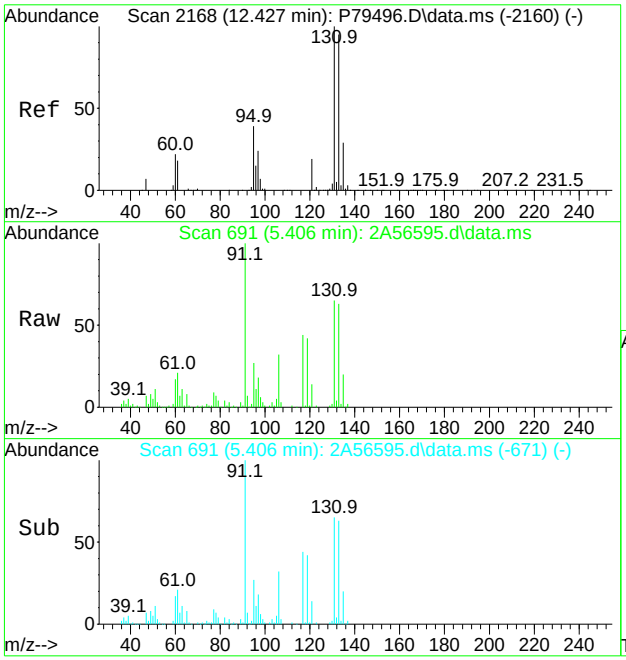


#78
Chlorobenzene
Concen: 39.2609 ug/L
RT: 5.367 min Scan# 686
Delta R.T. 0.008 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion:112 Resp: 139858

Ion	Ratio	Lower	Upper
112	100		
77	55.8	17.5	77.5
114	31.9	3.6	63.6
51	23.3	0.0	43.4

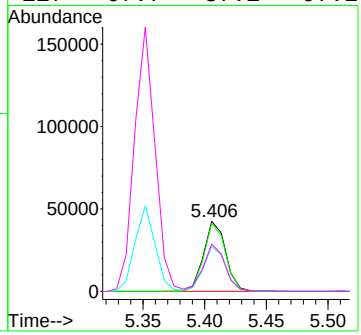


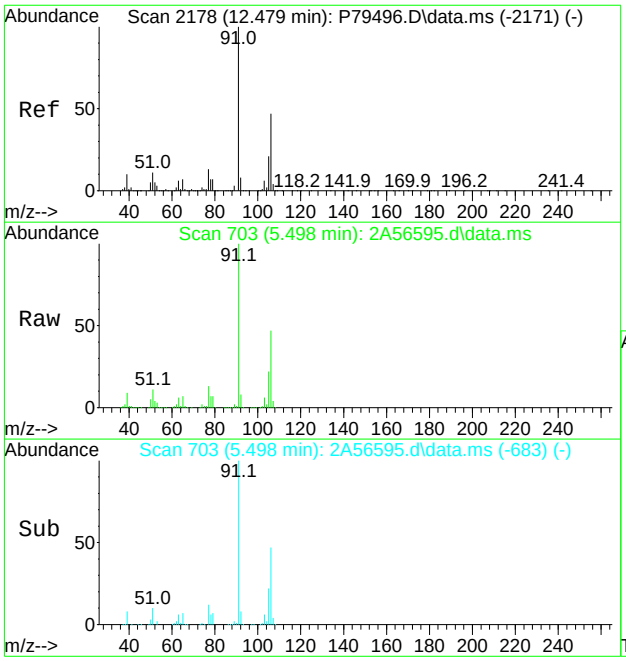


#79
1,1,1,2-Tetrachloroethane
Concen: 43.5192 ug/L
RT: 5.406 min Scan# 691
Delta R.T. 0.001 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion:131 Resp: 52872

Ion	Ratio	Lower	Upper
131	100		
133	97.2	67.3	127.3
119	64.7	34.3	94.3
117	67.7	37.1	97.1

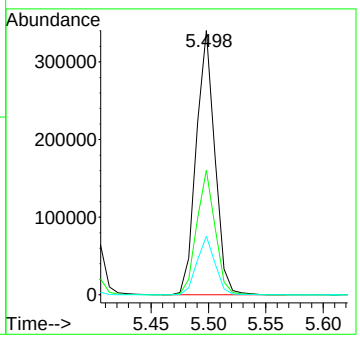


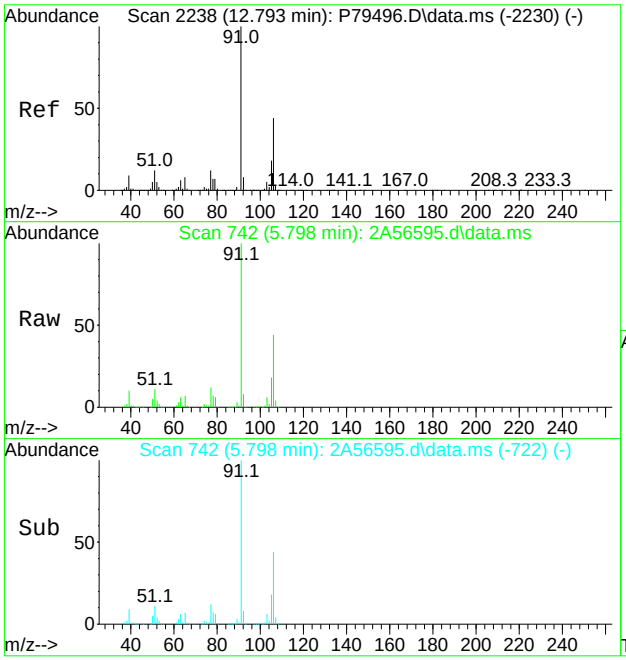


#80
m,p-Xylene
Concen: 73.4980 ug/L
RT: 5.498 min Scan# 703
Delta R.T. 0.000 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 91 Resp: 383381

Ion	Ratio	Lower	Upper
91	100		
106	47.2	23.2	83.2
105	22.2	0.0	54.5

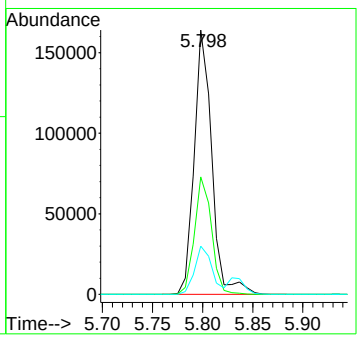


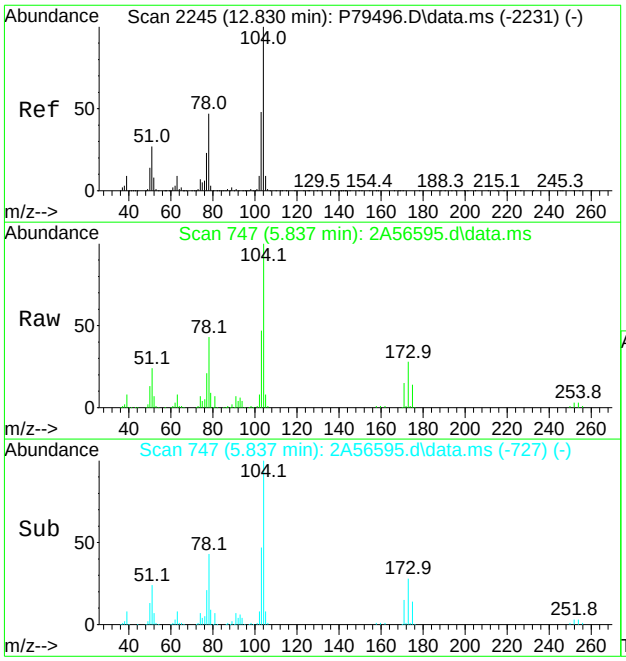


#81
o-Xylene
Concen: 36.5877 ug/L
RT: 5.798 min Scan# 742
Delta R.T. 0.000 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 91 Resp: 199860

Ion	Ratio	Lower	Upper
91	100		
106	44.5	21.1	81.1
105	18.3	0.0	51.5

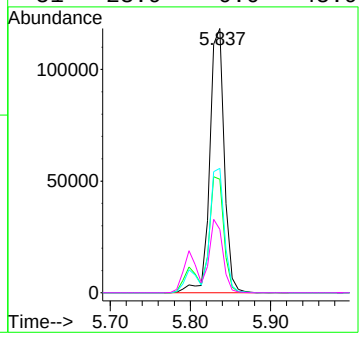


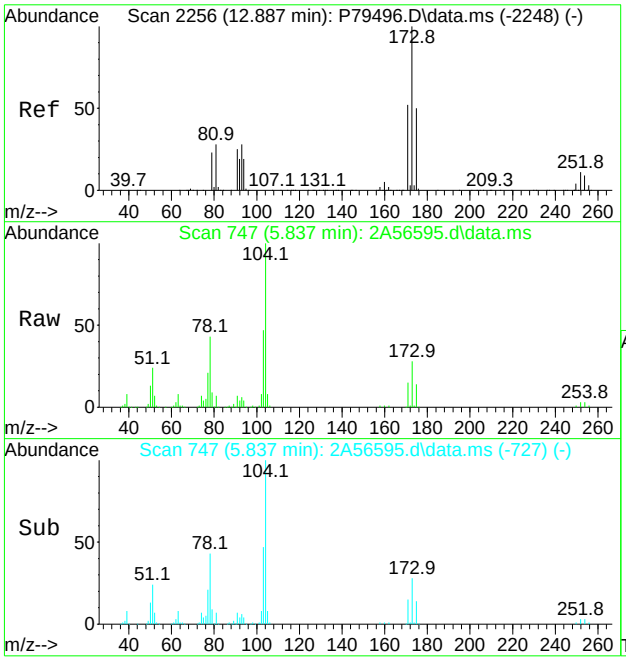


#82
Styrene
Concen: 37.8900 ug/L
RT: 5.837 min Scan# 747
Delta R.T. 0.008 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion:104 Resp: 149257

Ion	Ratio	Lower	Upper
104	100		
78	43.0	7.3	67.3
103	47.1	16.2	76.2
51	23.9	0.0	45.9

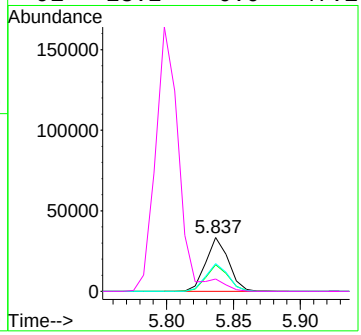


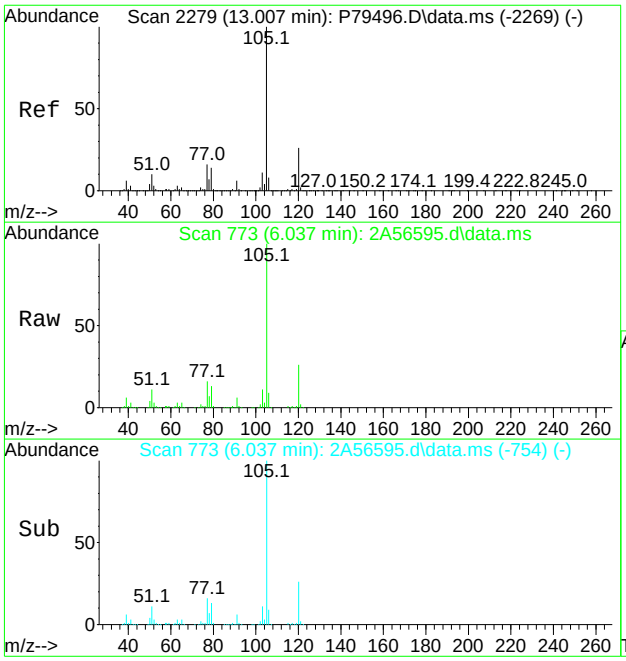


#83
Bromoform
Concen: 43.4872 ug/L
RT: 5.837 min Scan# 747
Delta R.T. 0.001 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion:173 Resp: 39599

Ion	Ratio	Lower	Upper
173	100		
175	49.8	18.3	78.3
171	51.9	22.0	82.0
91	23.2	0.0	47.1

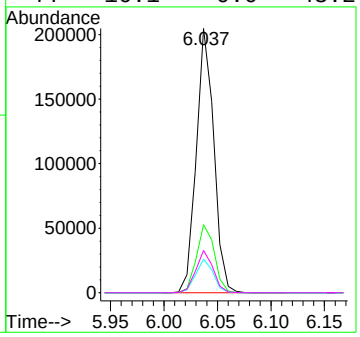


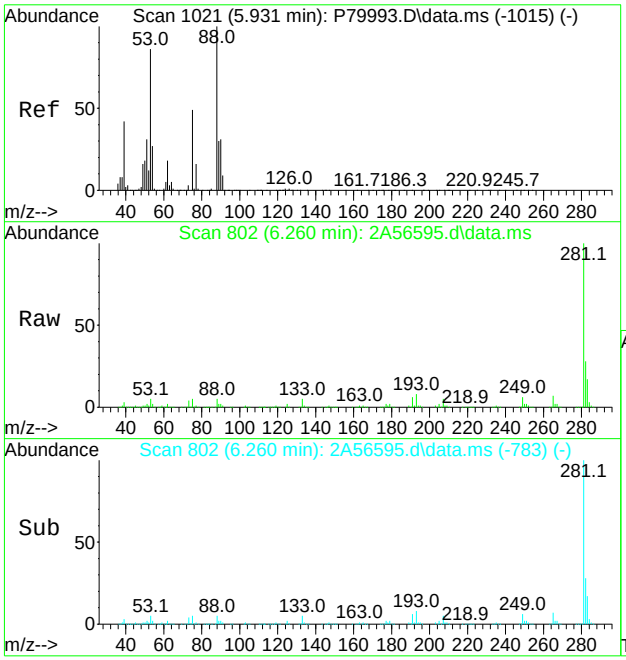


#84
Isopropylbenzene
Concen: 36.2909 ug/L
RT: 6.037 min Scan# 773
Delta R.T. -0.000 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion:105 Resp: 233479

Ion	Ratio	Lower	Upper
105	100		
120	25.8	0.0	57.9
79	12.8	0.0	41.6
77	16.1	0.0	43.2

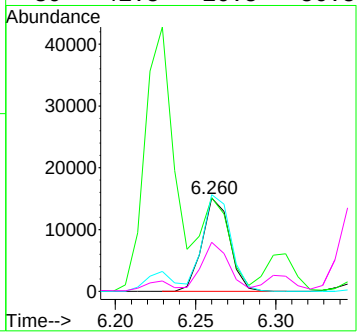


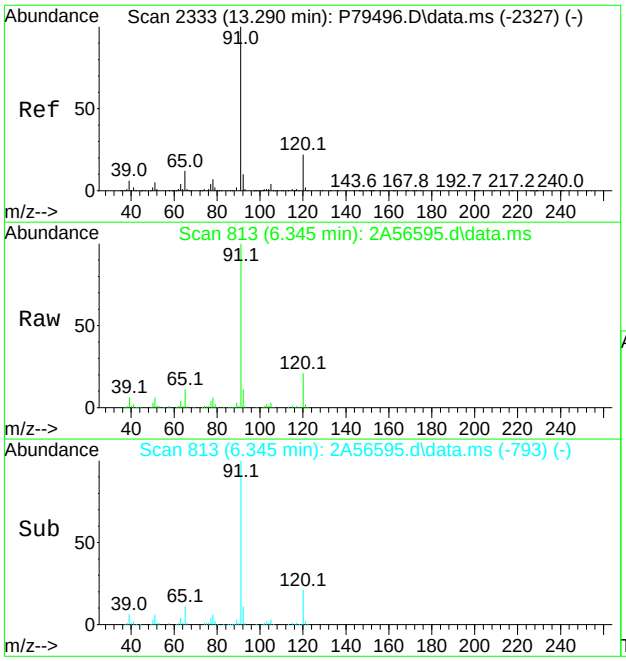


#87
cis-1,4-Dichloro-2-butene
Concen: 38.1912 ug/L
RT: 6.260 min Scan# 802
Delta R.T. 0.000 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 53 Resp: 17998

Ion	Ratio	Lower	Upper
53	100		
75	59.8	72.3	112.3#
88	103.4	113.6	153.6#
39	41.5	16.5	56.5

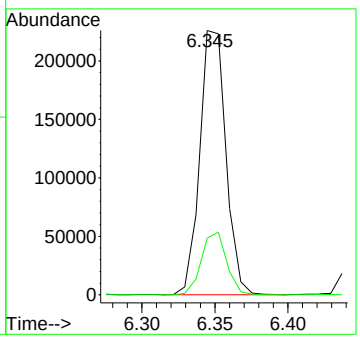


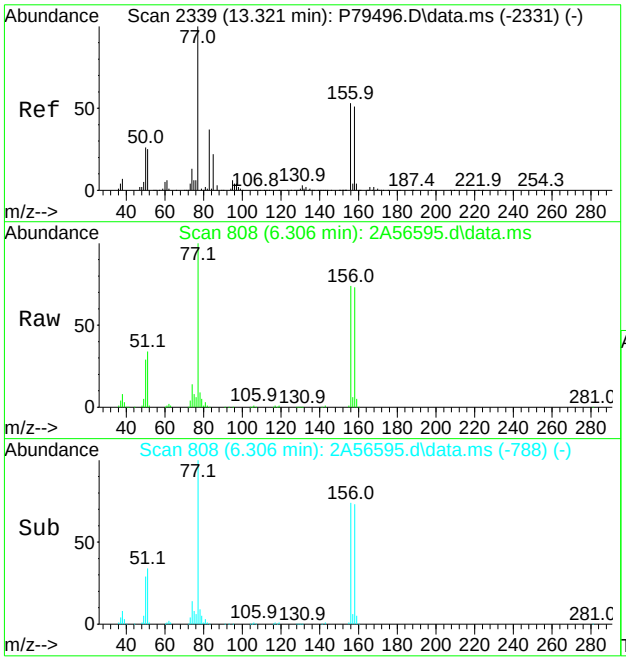


#88
n-Propylbenzene
Concen: 34.0676 ug/L
RT: 6.345 min Scan# 813
Delta R.T. 0.001 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 91 Resp: 282324

Ion	Ratio	Lower	Upper
91	100		
120	21.5	0.0	58.2

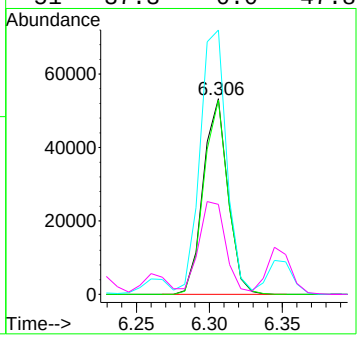


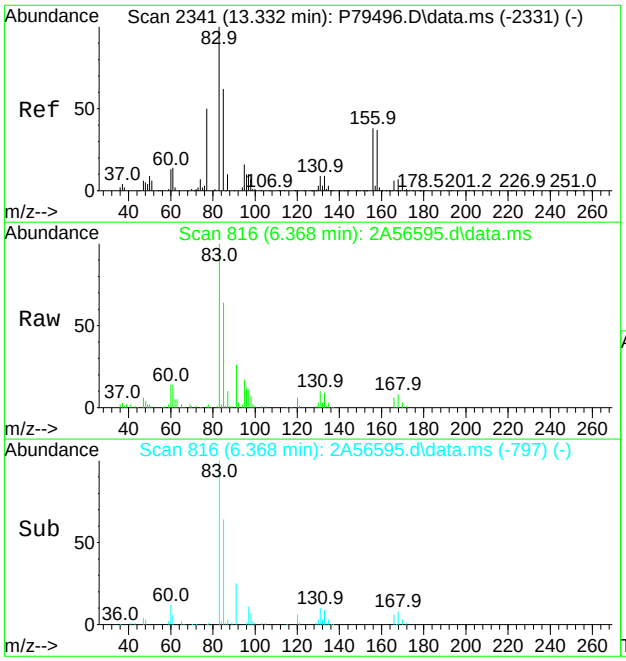


#89
Bromobenzene
Concen: 40.0389 ug/L
RT: 6.306 min Scan# 808
Delta R.T. 0.000 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion:156 Resp: 62925

Ion	Ratio	Lower	Upper
156	100		
158	99.4	66.9	126.9
77	127.7	62.7	122.7#
51	37.3	0.0	47.8

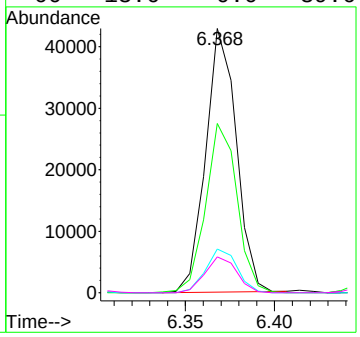


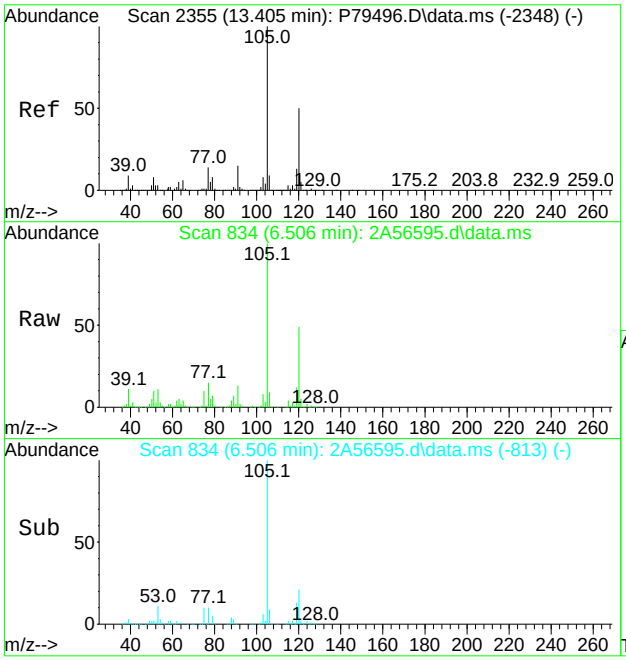


#90
1,1,2,2-Tetrachloroethane
Concen: 27.7709 ug/L
RT: 6.368 min Scan# 816
Delta R.T. -0.000 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 83 Resp: 51385

Ion	Ratio	Lower	Upper
83	100		
85	64.0	35.3	95.3
95	16.5	0.0	46.0
60	13.6	0.0	39.6

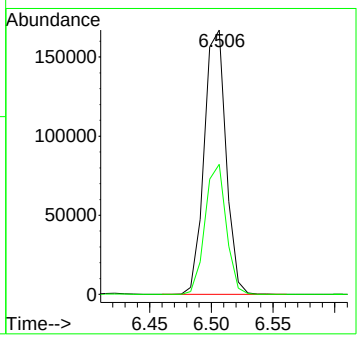


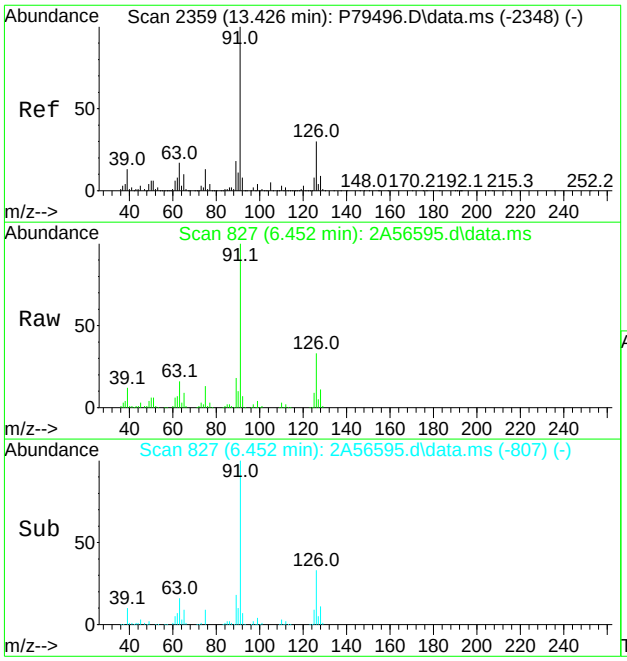


#91
1,3,5-Trimethylbenzene
Concen: 36.4083 ug/L
RT: 6.506 min Scan# 834
Delta R.T. 0.008 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion:105 Resp: 204909

Ion	Ratio	Lower	Upper
105	100		
120	49.2	21.4	81.4

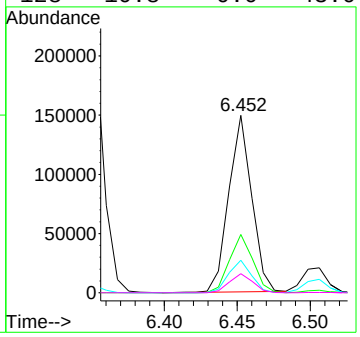


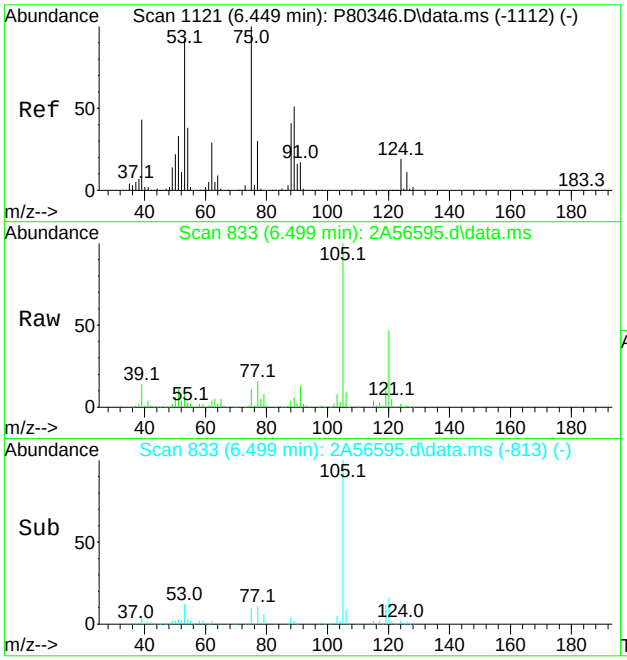


#92
2-Chlorotoluene
Concen: 35.7820 ug/L
RT: 6.452 min Scan# 827
Delta R.T. 0.000 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 91 Resp: 163668

Ion	Ratio	Lower	Upper
91	100		
126	32.9	9.3	69.3
89	18.3	0.0	47.8
128	10.8	0.0	43.0

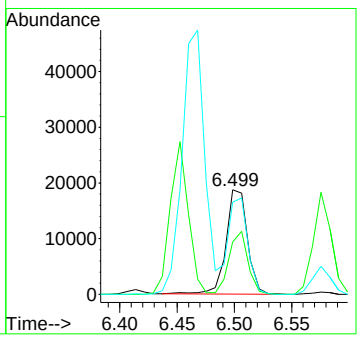


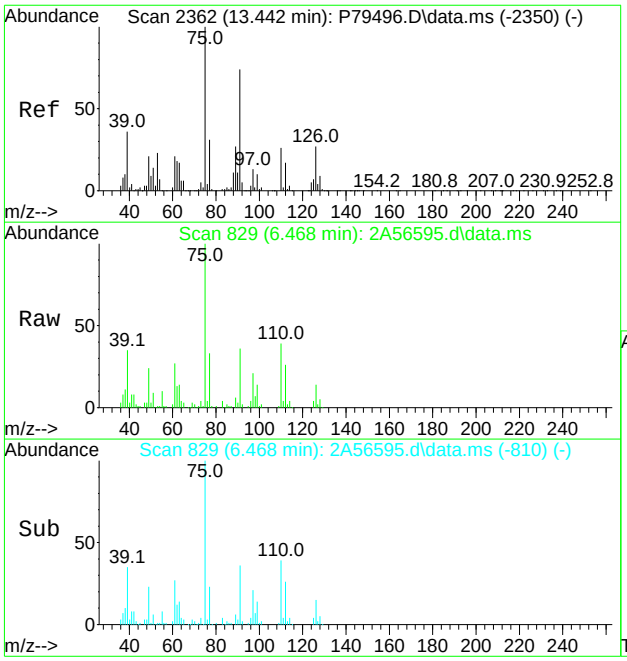


#93
trans-1,4-Dichloro-2-Butene
Concen: 40.7156 ug/L
RT: 6.499 min Scan# 833
Delta R.T. 0.001 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 53 Resp: 24264

Ion	Ratio	Lower	Upper
53	100		
89	50.2	67.4	107.4#
75	88.1	111.5	151.5#

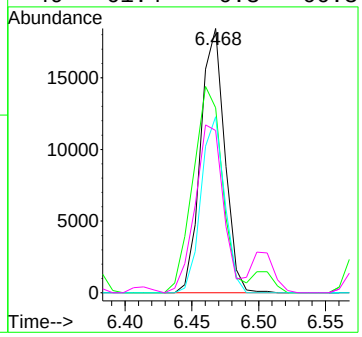


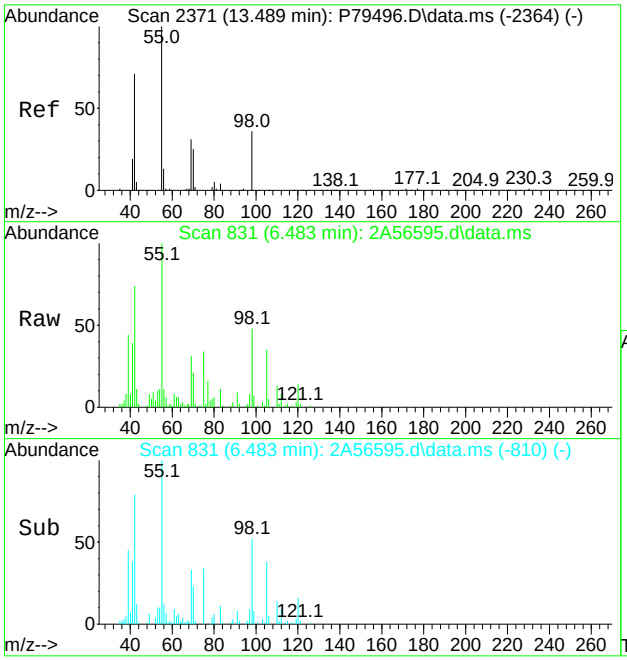


#94
1,2,3-Trichloropropane
Concen: 47.8320 ug/L
RT: 6.468 min Scan# 829
Delta R.T. -0.000 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion:110 Resp: 23184

Ion	Ratio	Lower	Upper
110	100		
61	70.0	21.7	81.7
112	66.6	33.9	93.9
49	61.4	6.3	66.3

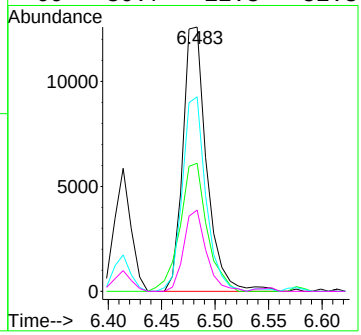


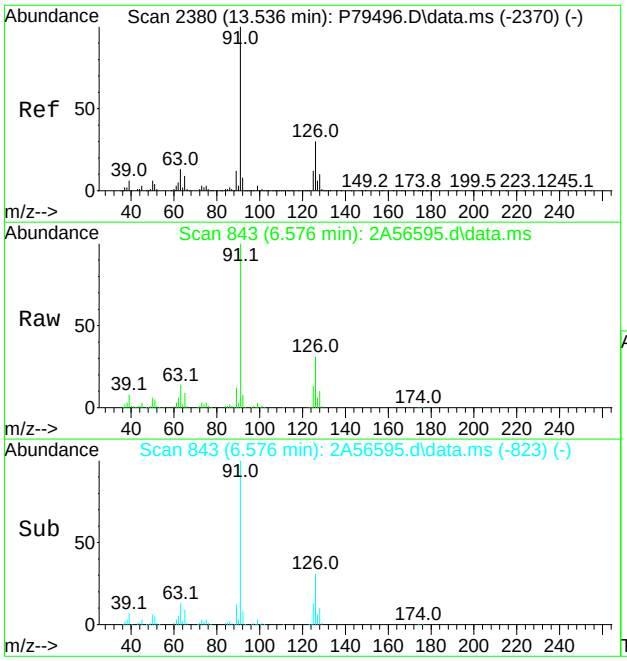


#95
Cyclohexanone
Concen: 352.1444 ug/L
RT: 6.483 min Scan# 831
Delta R.T. 0.008 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 55 Resp: 19529

Ion	Ratio	Lower	Upper
55	100		
98	48.5	46.3	86.3
42	72.4	36.7	76.7
69	30.7	12.3	52.3

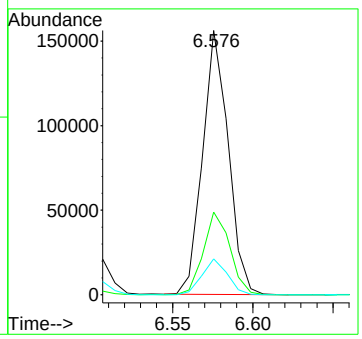


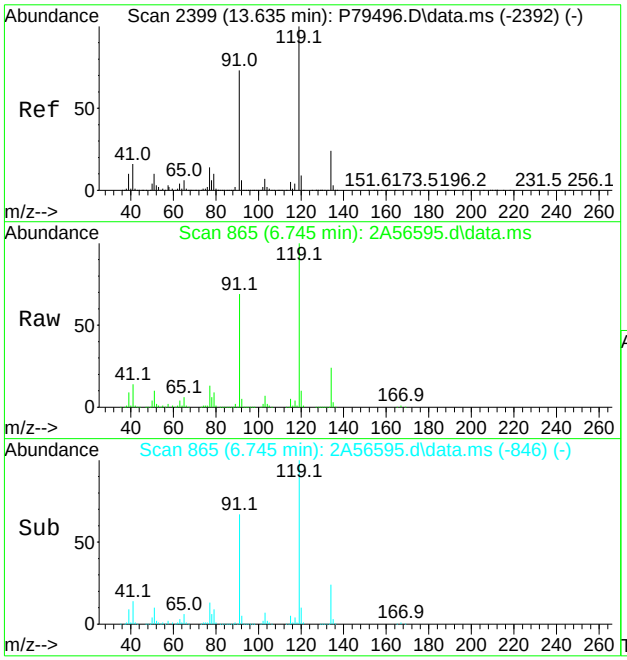


#96
4-Chlorotoluene
Concen: 35.4624 ug/L
RT: 6.576 min Scan# 843
Delta R.T. 0.001 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 91 Resp: 173680

Ion	Ratio	Lower	Upper
91	100		
126	31.3	9.4	69.4
63	13.5	0.0	40.1

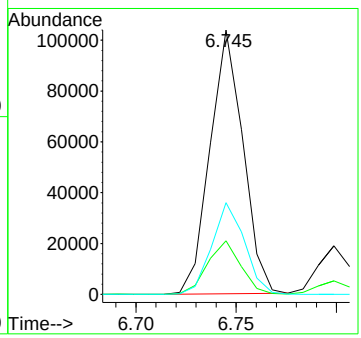


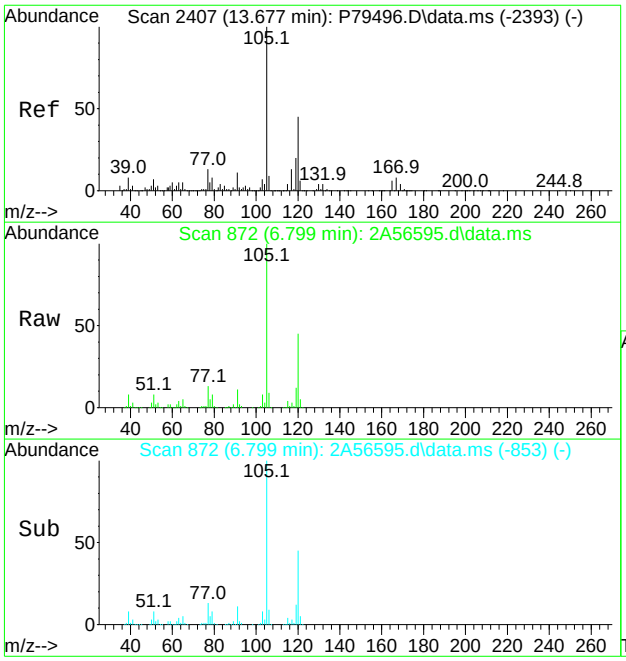


#97
tert-Butylbenzene
Concen: 35.2121 ug/L
RT: 6.745 min Scan# 865
Delta R.T. -0.000 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 91 Resp: 119209

Ion	Ratio	Lower	Upper
91	100		
41	20.3	0.0	42.4
134	34.7	15.6	75.6

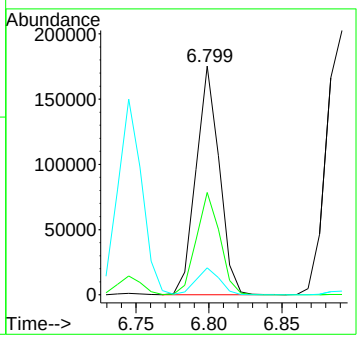


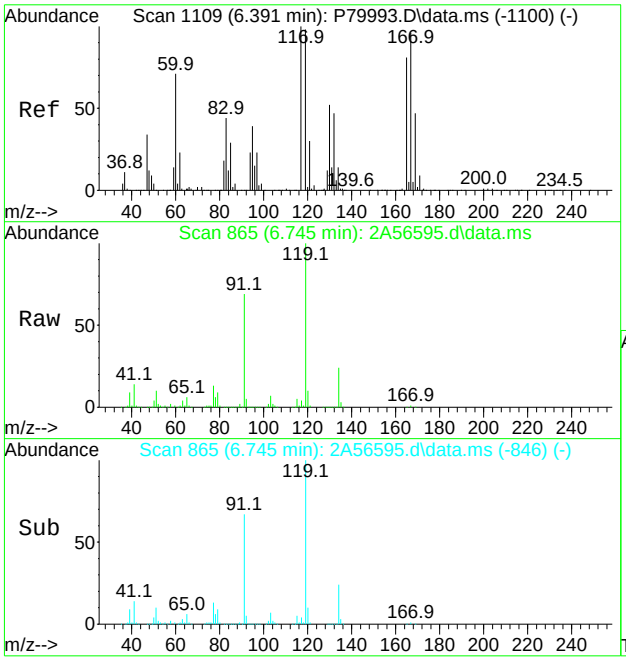


#98
1,2,4-Trimethylbenzene
Concen: 37.0375 ug/L
RT: 6.799 min Scan# 872
Delta R.T. -0.000 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion:105 Resp: 194998

Ion	Ratio	Lower	Upper
105	100		
120	44.7	18.1	78.1
119	11.8	0.0	42.3

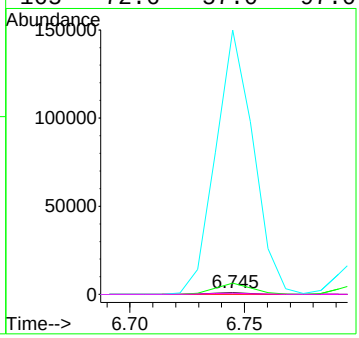


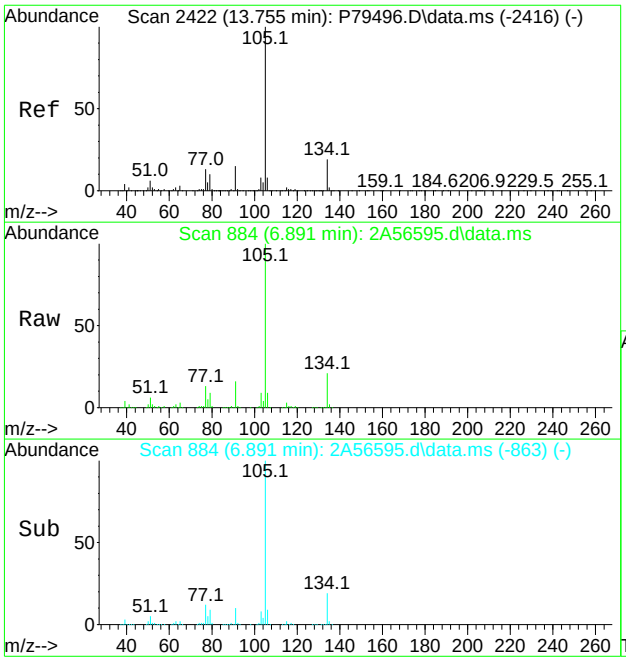


#99
Pentachloroethane
Concen: 1.3466 ug/L
RT: 6.745 min Scan# 865
Delta R.T. -0.000 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion:167 Resp: 1142

Ion	Ratio	Lower	Upper
167	100		
117	628.0	64.4	124.4#
119	14664.3	480.8	540.8#
165	72.6	57.0	97.0

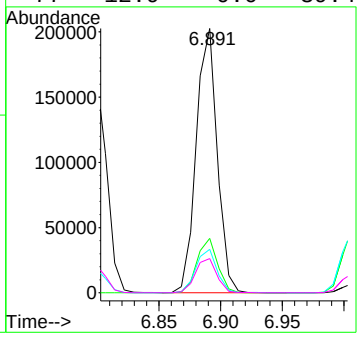


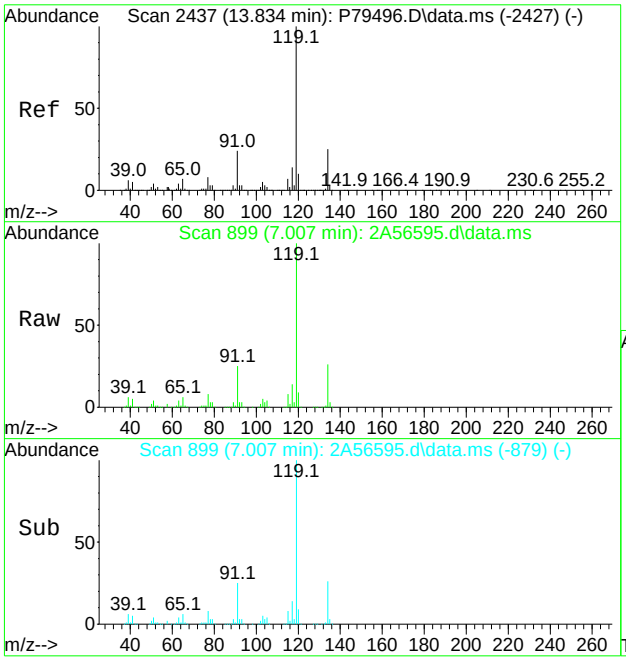


#100
sec-Butylbenzene
Concen: 33.5916 ug/L
RT: 6.891 min Scan# 884
Delta R.T. 0.008 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion:105 Resp: 239446

Ion	Ratio	Lower	Upper
105	100		
134	20.6	0.0	53.2
91	16.4	0.0	44.4
77	12.9	0.0	39.4

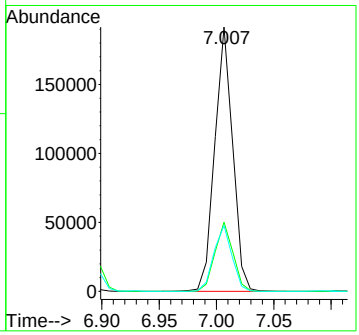


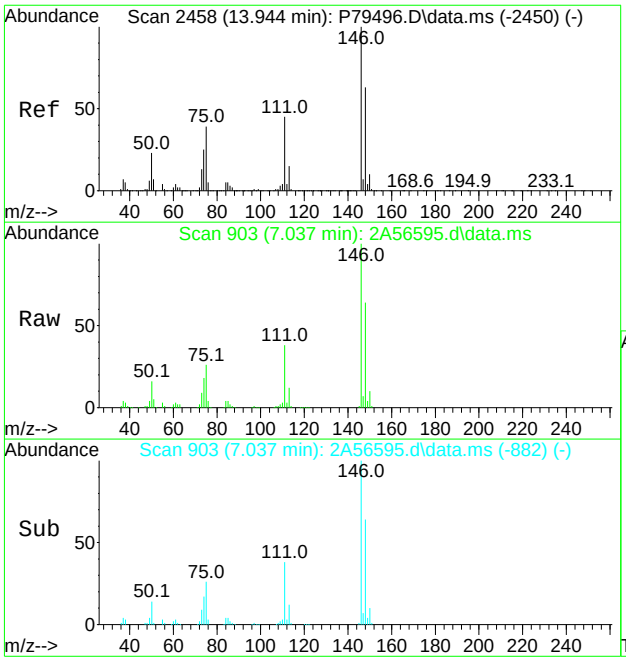


#101
4-Isopropyltoluene
Concen: 34.4786 ug/L
RT: 7.007 min Scan# 899
Delta R.T. 0.001 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion:119 Resp: 208700

Ion	Ratio	Lower	Upper
119	100		
134	26.2	0.0	58.5
91	24.9	0.0	51.2

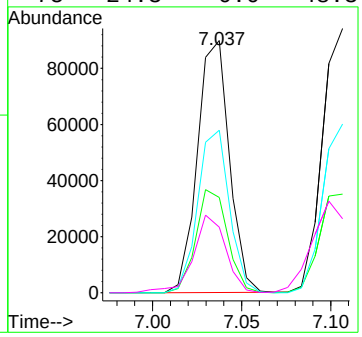


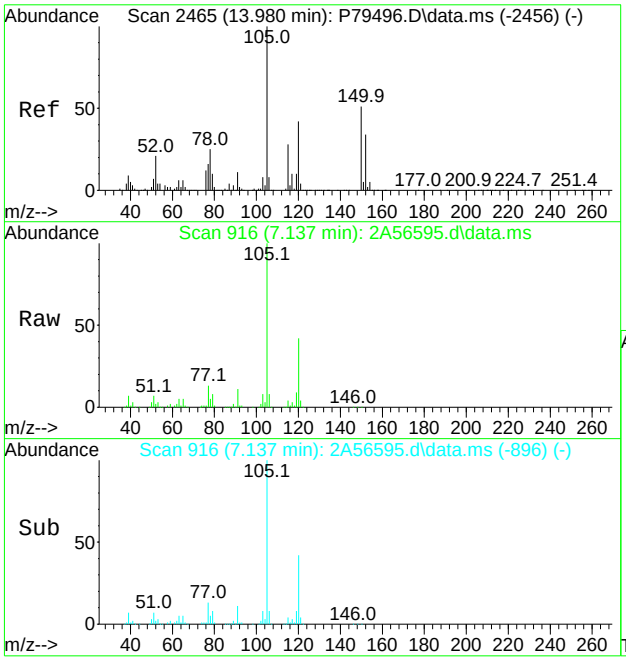


#102
1,3-Dichlorobenzene
Concen: 36.7444 ug/L
RT: 7.037 min Scan# 903
Delta R.T. 0.008 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion:146 Resp: 112319

Ion	Ratio	Lower	Upper
146	100		
111	37.8	4.4	64.4
148	64.5	34.2	94.2
75	24.3	0.0	48.3

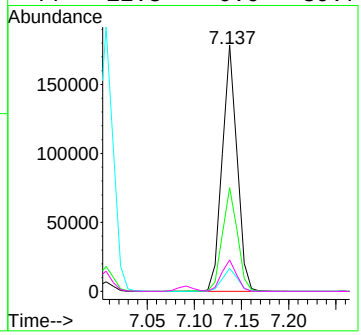


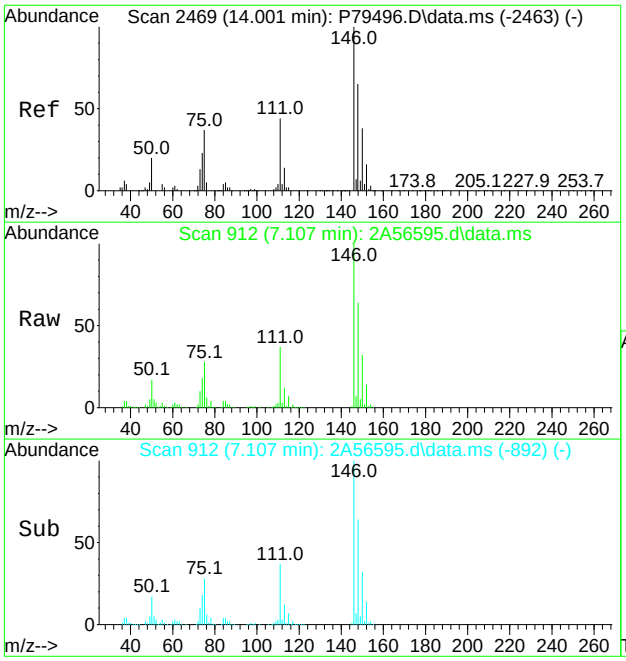


#103
1,2,3-Trimethylbenzene
Concen: 37.4028 ug/L
RT: 7.137 min Scan# 916
Delta R.T. 0.000 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion:105 Resp: 195168

Ion	Ratio	Lower	Upper
105	100		
120	42.2	14.0	74.0
119	9.4	0.0	40.1
77	12.8	0.0	39.7

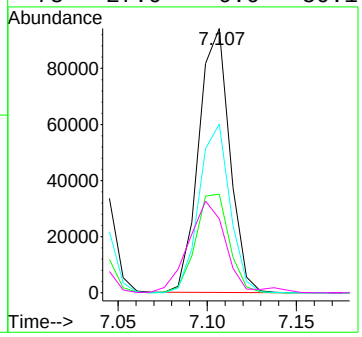


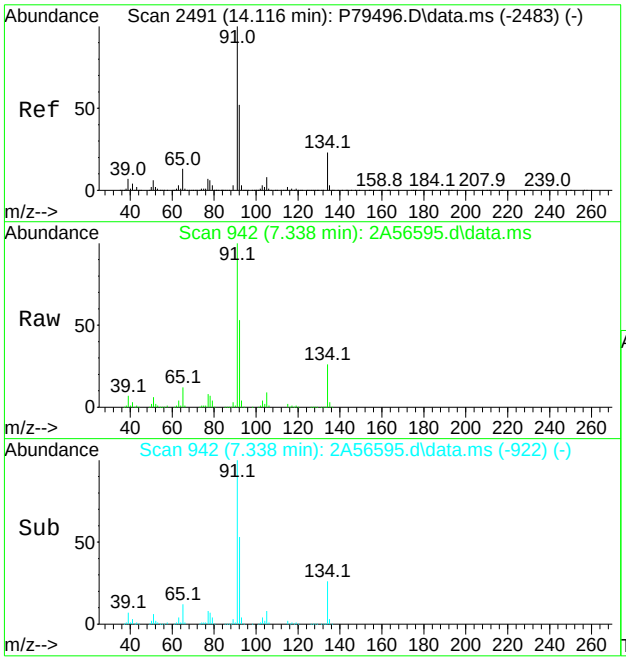


#104
1,4-Dichlorobenzene
Concen: 37.2495 ug/L
RT: 7.107 min Scan# 912
Delta R.T. 0.008 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion:146 Resp: 113894

Ion	Ratio	Lower	Upper
146	100		
111	37.3	4.6	64.6
148	63.8	34.7	94.7
75	27.0	0.0	50.1

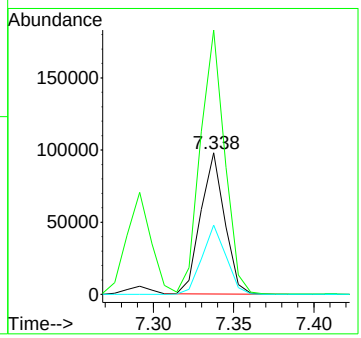


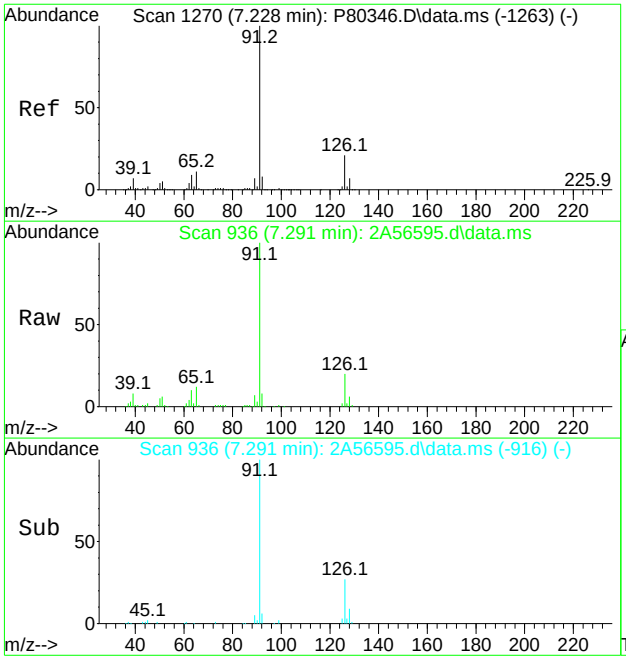


#105
n-Butylbenzene
Concen: 36.6106 ug/L
RT: 7.338 min Scan# 942
Delta R.T. 0.001 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 92 Resp: 101354

Ion	Ratio	Lower	Upper
92	100		
91	186.8	154.4	214.4
134	49.0	30.2	90.2

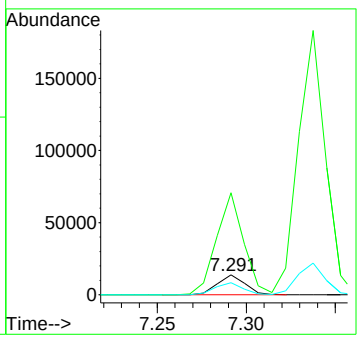


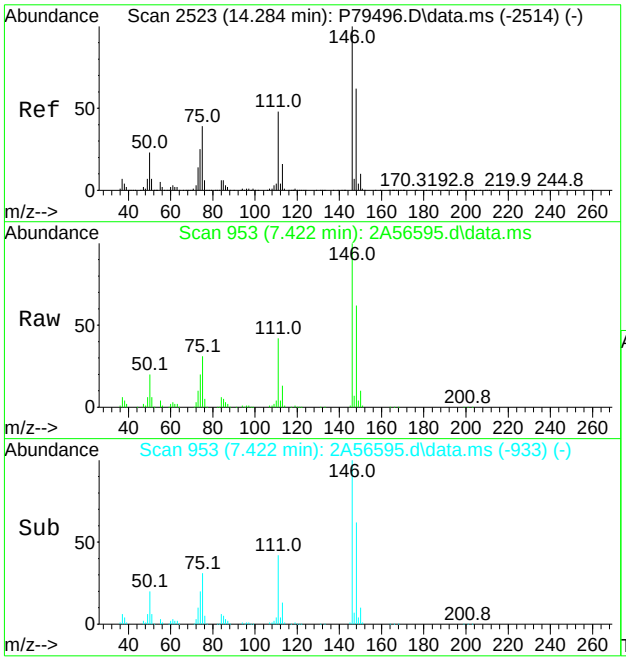


#106
Benzyl Chloride
Concen: 22.1257 ug/L
RT: 7.291 min Scan# 936
Delta R.T. 0.000 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion:126 Resp: 15032

Ion	Ratio	Lower	Upper
126	100		
91	508.9	392.4	432.4#
65	59.9	23.9	63.9

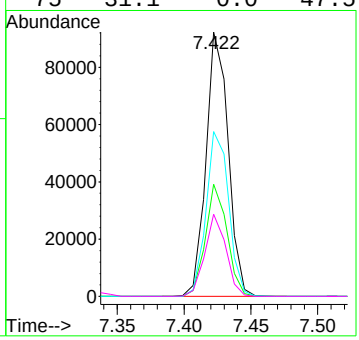


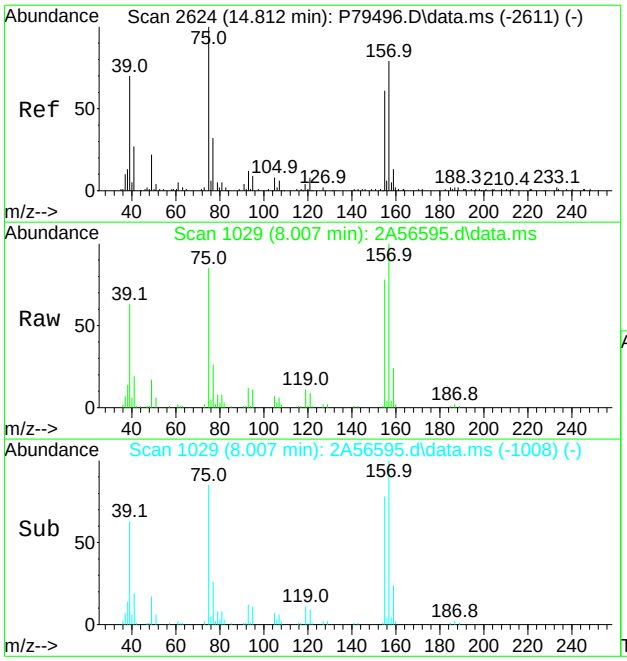


#107
1,2-Dichlorobenzene
Concen: 38.7972 ug/L
RT: 7.422 min Scan# 953
Delta R.T. 0.000 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion:146 Resp: 106380

Ion	Ratio	Lower	Upper
146	100		
111	42.4	6.0	66.0
148	62.3	33.6	93.6
75	31.1	0.0	47.5

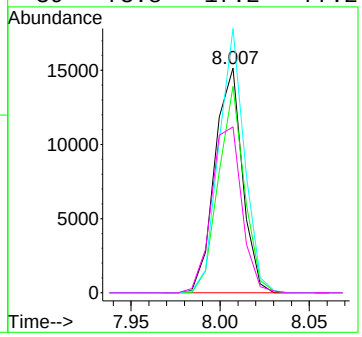


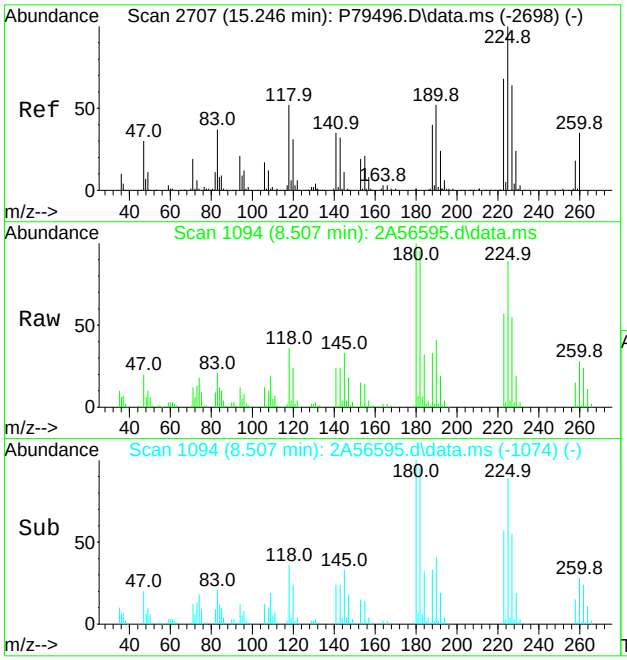


#108
1,2-Dibromo-3-Chloropropane
Concen: 43.6487 ug/L
RT: 8.007 min Scan# 1029
Delta R.T. 0.008 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion: 75 Resp: 16374

Ion	Ratio	Lower	Upper
75	100		
155	91.9	114.4	174.4#
157	117.7	148.8	208.8#
39	73.8	17.2	77.2

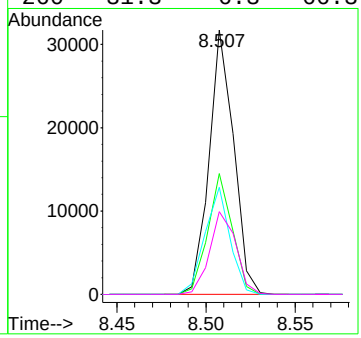


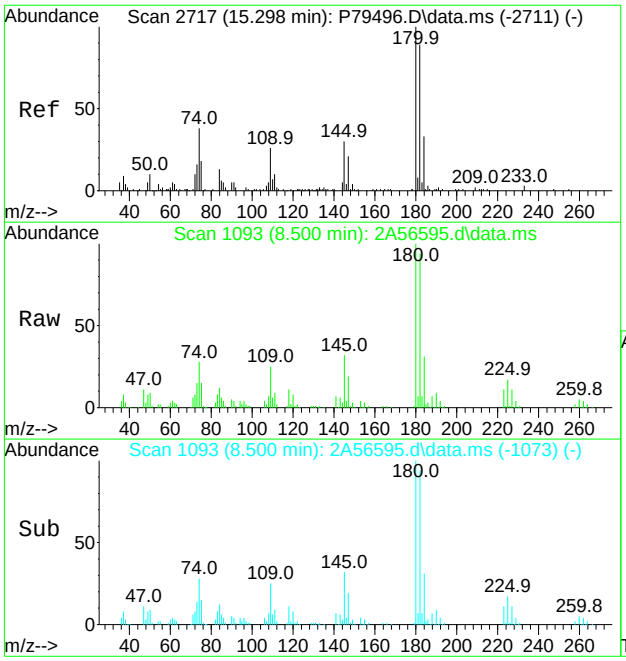


#109
Hexachlorobutadiene
Concen: 39.2839 ug/L
RT: 8.507 min Scan# 1094
Delta R.T. 0.000 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion:225 Resp: 30513

Ion	Ratio	Lower	Upper
225	100		
190	45.7	12.5	72.5
118	40.5	0.0	57.6
260	31.3	6.3	66.3

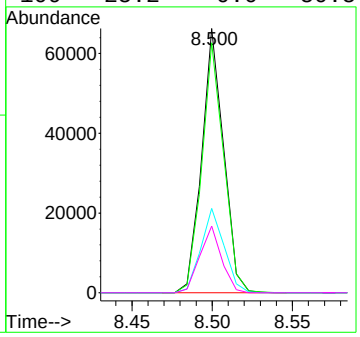


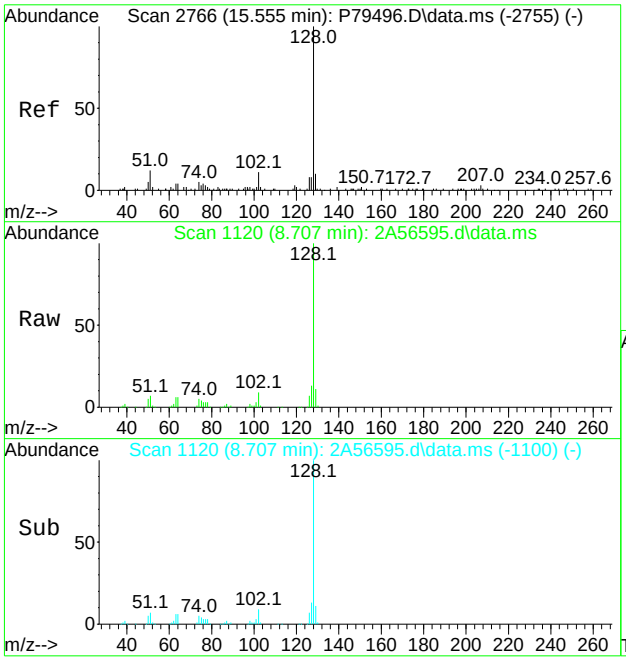


#110
1,2,4-Trichlorobenzene
Concen: 37.6881 ug/L
RT: 8.500 min Scan# 1093
Delta R.T. 0.001 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion:180 Resp: 62875

Ion	Ratio	Lower	Upper
180	100		
182	94.5	65.7	125.7
145	31.9	0.0	59.9
109	25.2	0.0	50.5

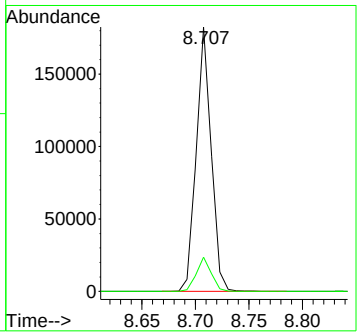


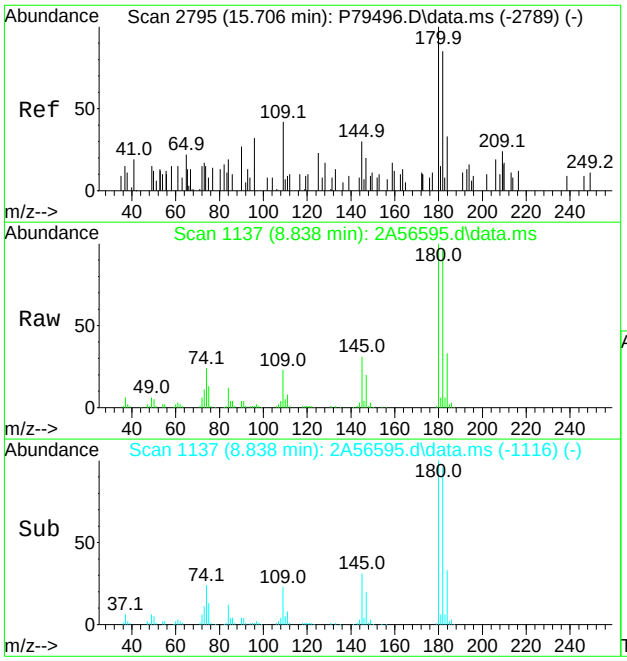


#111
Naphthalene
Concen: 38.9048 ug/L
RT: 8.707 min Scan# 1120
Delta R.T. 0.000 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion:128 Resp: 177309

Ion	Ratio	Lower	Upper
128	100		
127	12.9	0.0	42.8

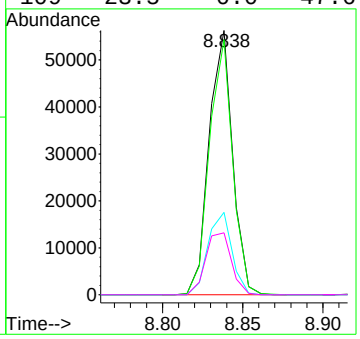




#112
1,2,3-Trichlorobenzene
Concen: 38.4753 ug/L
RT: 8.838 min Scan# 1137
Delta R.T. 0.008 min
Lab File: 2A56595.d
Acq: 5 Jul 2024 5:12 pm

Tgt Ion:180 Resp: 57382

Ion	Ratio	Lower	Upper
180	100		
182	96.5	64.5	124.5
145	31.2	0.0	58.2
109	23.5	0.0	47.6



Manual Integration Approval Summary

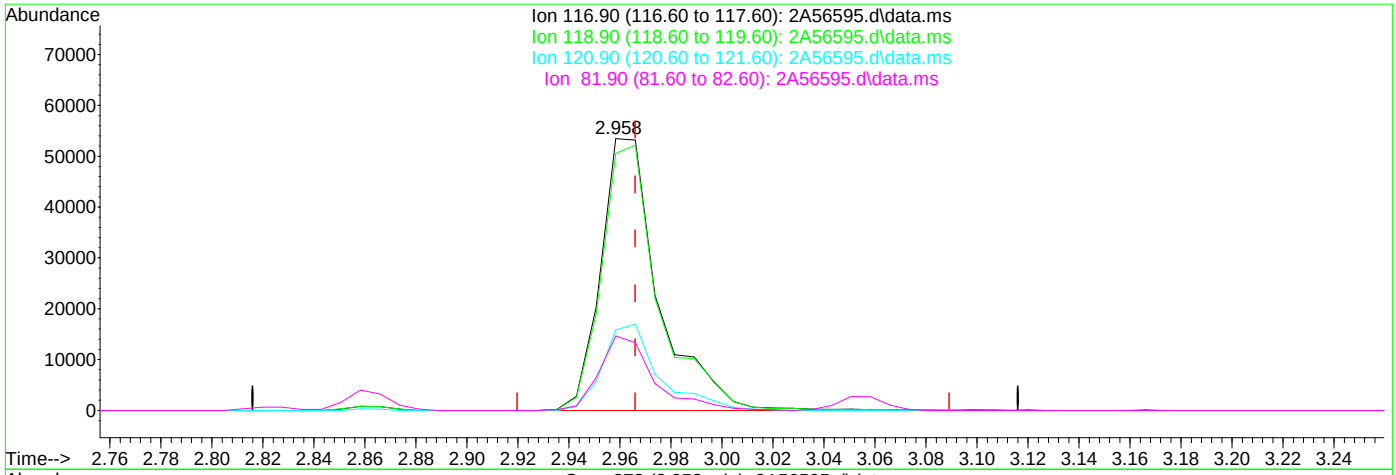
Sample Number: FC16907-3MS
Lab FileID: 2A56595.D
Injection Time: 07/05/24 17:12
Method: SW846 8260D
Analyst approved: 07/08/24 01:11 Lotus Acosta
Supervisor approved: 07/08/24 07:50 Neil Christiana

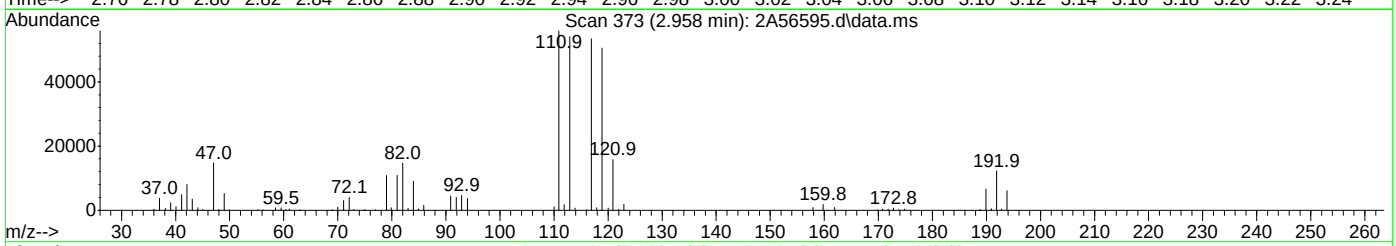
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		2.96	Overlapping peak
1-Chlorohexane	544-10-5		5.36	Overlapping peak
Ethylbenzene	100-41-4		5.39	Overlapping peak

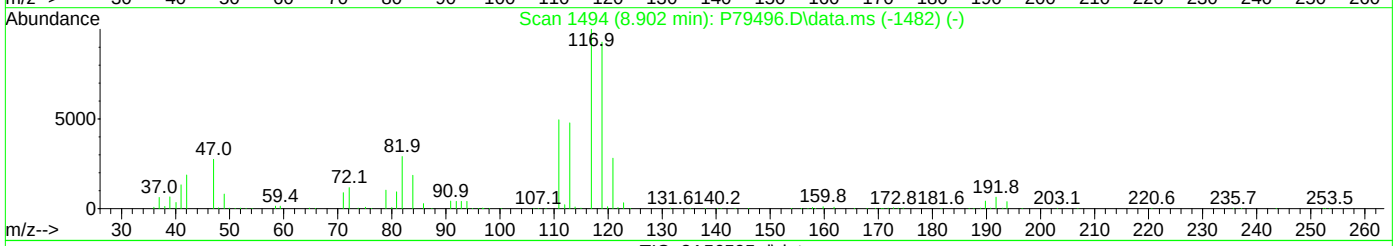
Quantitation Report (Qedit)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\7-8\V2A1921\V2A1921\
Data File : 2A56595.d
Acq On : 5 Jul 2024 5:12 pm
Operator : lianatr
Sample : FC16907-3MS Inst : MSVOA17
Misc : MS56977,V2A1921,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jul 08 04:41:27 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\7-8\V2A1921\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration







TIC: 2A56595.d\data.ms

(40) Carbon Tetrachloride ( )

2.958min (-0.008) 45.99ug/L

response 84945

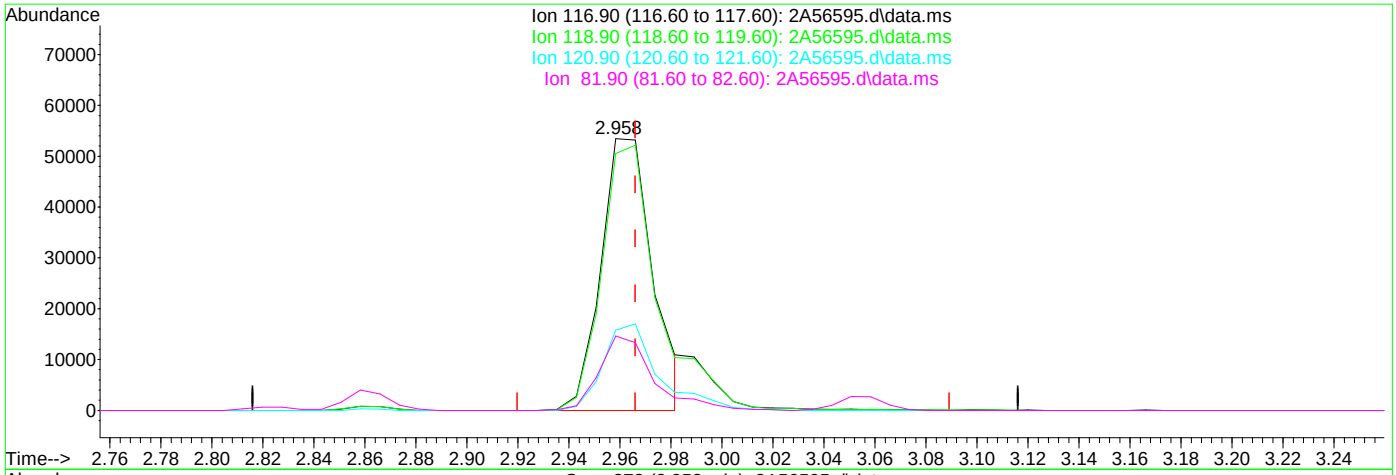
Ion	Exp%	Act%
116.90	100	100
118.90	96.30	94.54
120.90	31.00	29.53
81.90	19.00	27.43

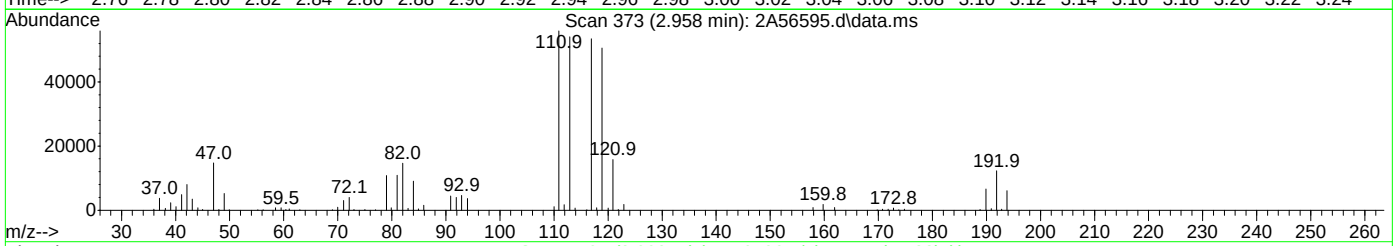
2A56595.D edits: Carbon Tetrachloride

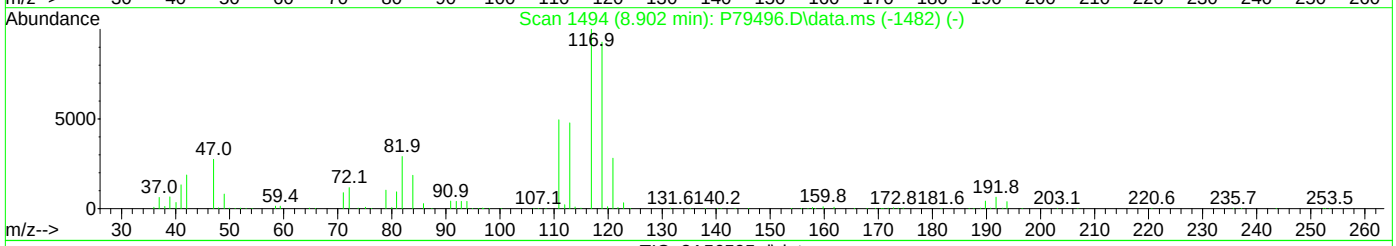
Quantitation Report (Qedit)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\7-8\V2A1921\V2A1921\
Data File : 2A56595.d
Acq On : 5 Jul 2024 5:12 pm
Operator : lianatr
Sample : FC16907-3MS Inst : MSVOA17
Misc : MS56977,V2A1921,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jul 08 04:41:27 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\7-8\V2A1921\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration







TIC: 2A56595.d\data.ms

(40) Carbon Tetrachloride ( )

2.958min (-0.008) 40.82ug/L m

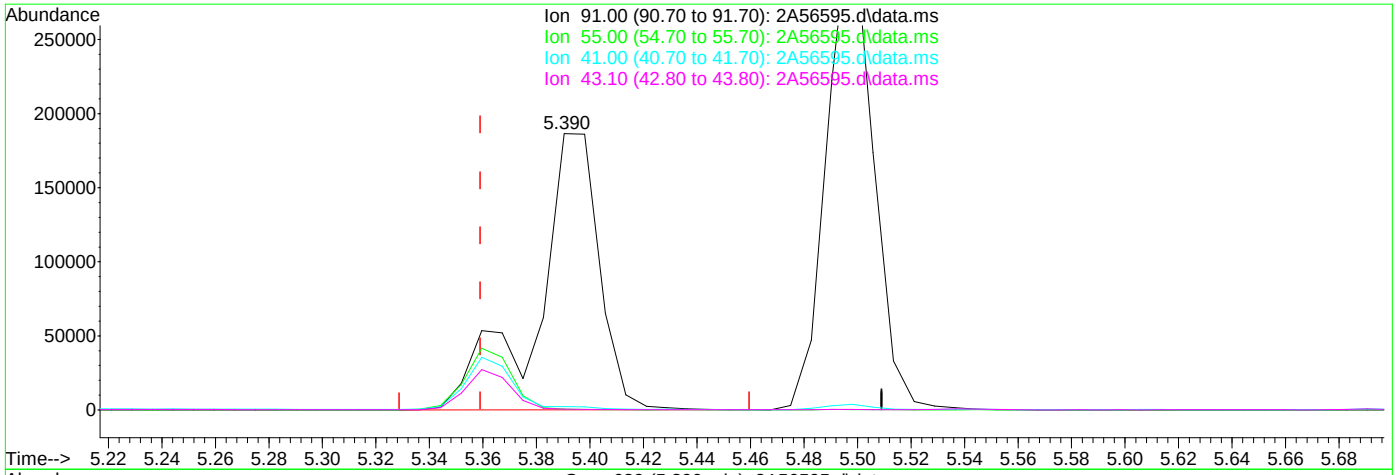
response 75410

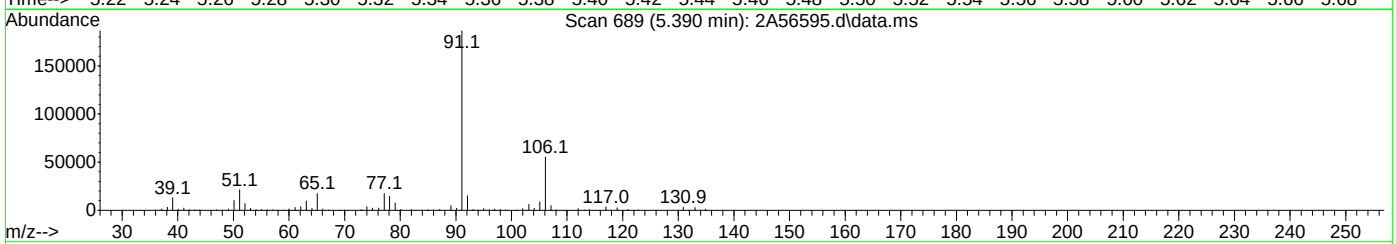
Ion	Exp%	Act%
116.90	100	100
118.90	96.30	94.54
120.90	31.00	29.53
81.90	19.00	27.43

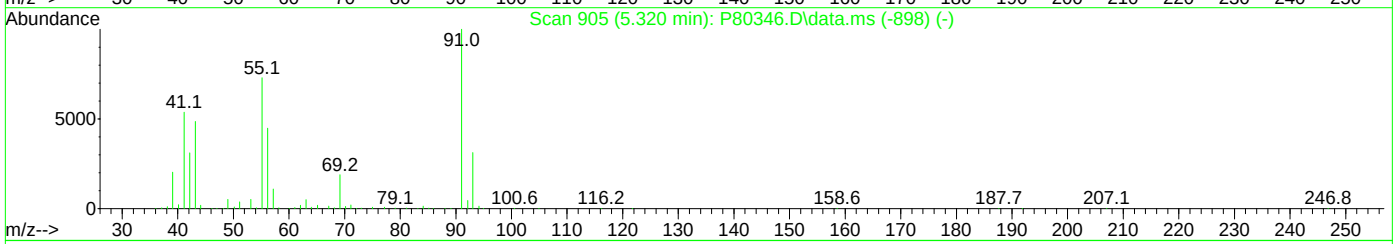
Quantitation Report (Qedit)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\7-8\V2A1921\V2A1921\
Data File : 2A56595.d
Acq On : 5 Jul 2024 5:12 pm
Operator : lianatr
Sample : FC16907-3MS Inst : MSVOA17
Misc : MS56977,V2A1921,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jul 08 04:41:27 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\7-8\V2A1921\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration







TIC: 2A56595.d\data.ms

(76) 1-Chlorohexane

5.390min (+0.031) 146.53ug/L

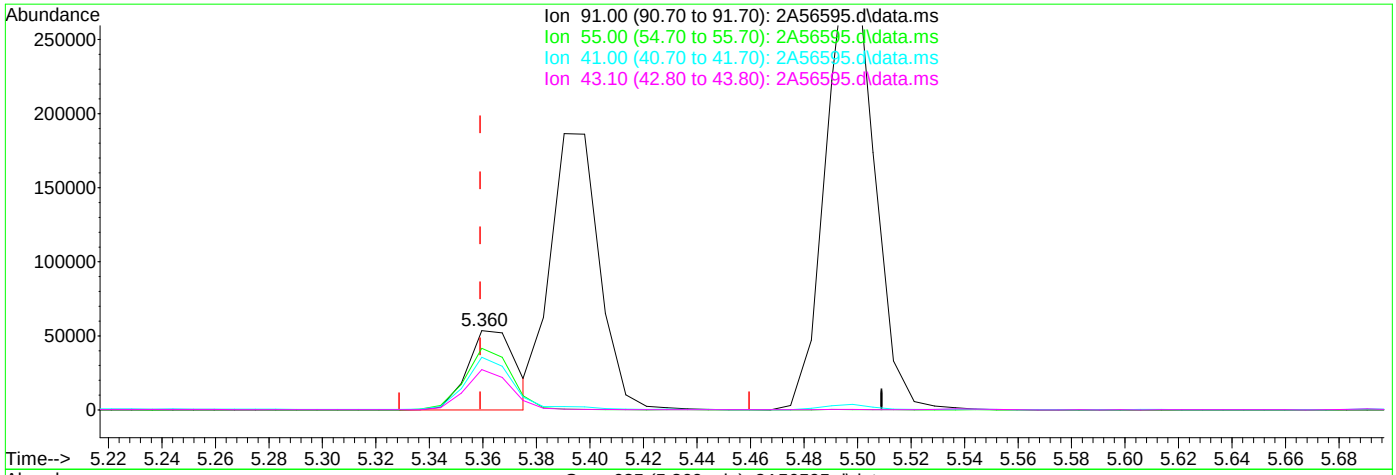
response 305651

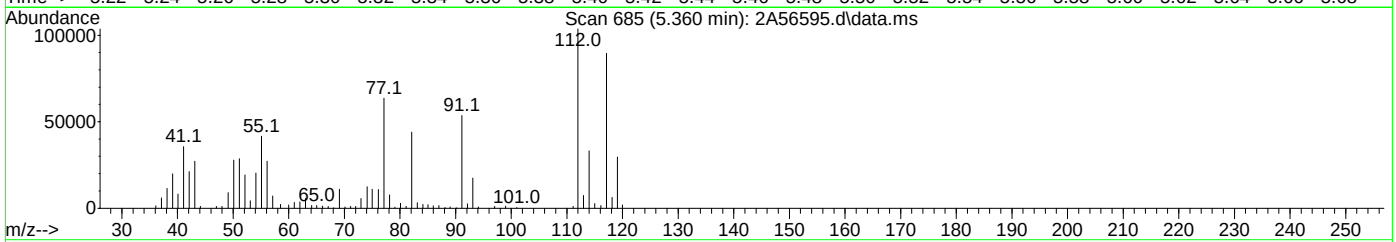
Ion	Exp%	Act%
91.00	100	100
55.00	58.90	0.34#
41.00	39.20	1.12#
43.10	33.20	0.23#

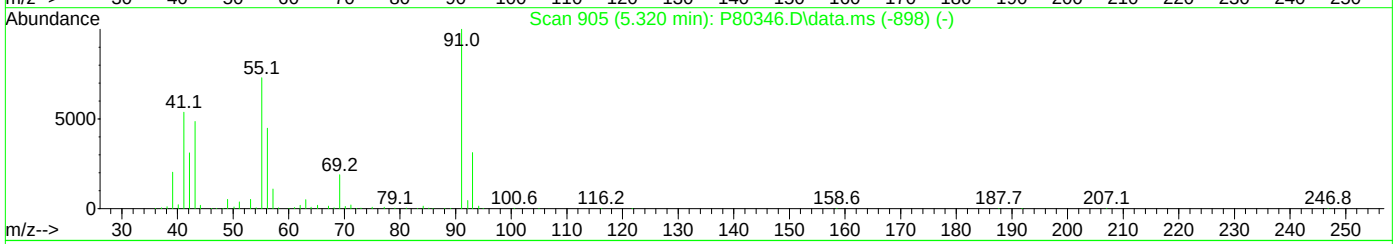
Quantitation Report (Qedit)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\7-8\V2A1921\V2A1921\
Data File : 2A56595.d
Acq On : 5 Jul 2024 5:12 pm
Operator : lianatr
Sample : FC16907-3MS Inst : MSVOA17
Misc : MS56977,V2A1921,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jul 08 04:41:27 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\7-8\V2A1921\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration







TIC: 2A56595.d\data.ms

(76) 1-Chlorohexane

5.360min (+0.001) 32.47ug/L m

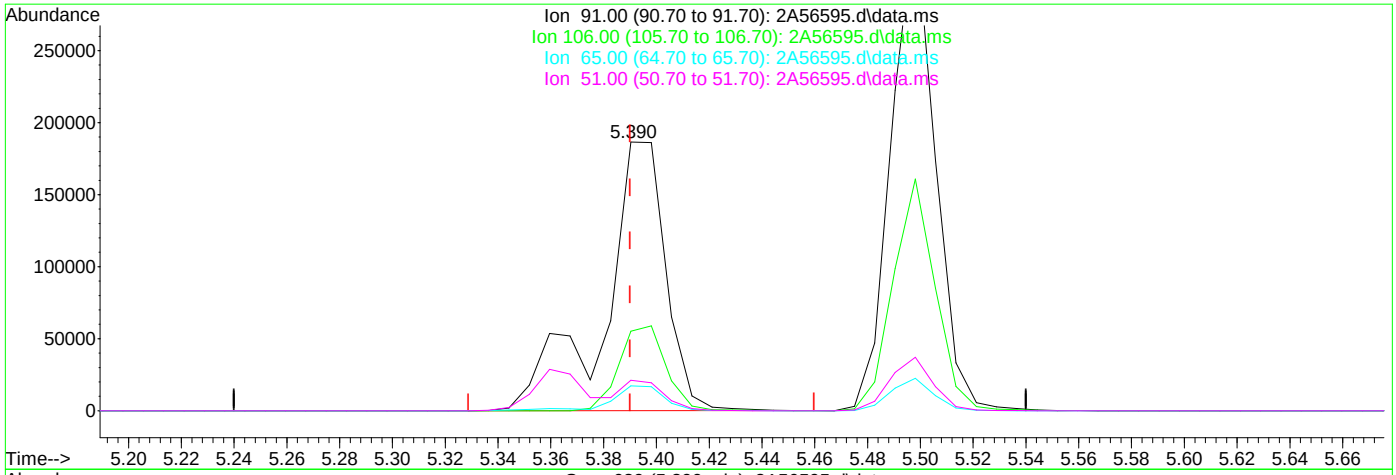
response 67733

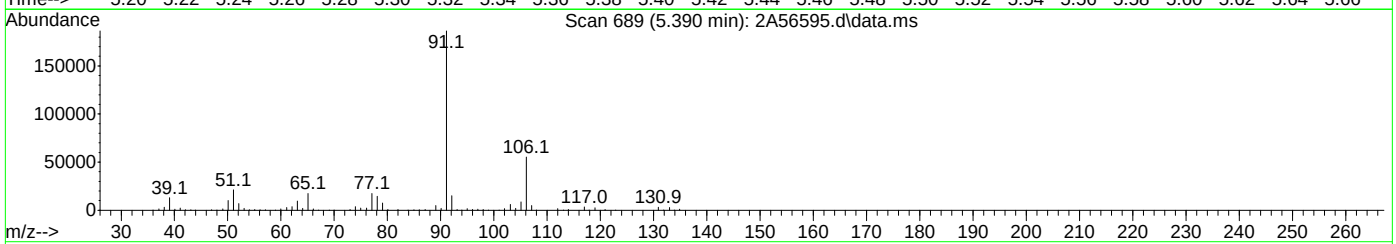
Ion	Exp%	Act%
91.00	100	100
55.00	58.90	77.54
41.00	39.20	66.44#
43.10	33.20	50.70

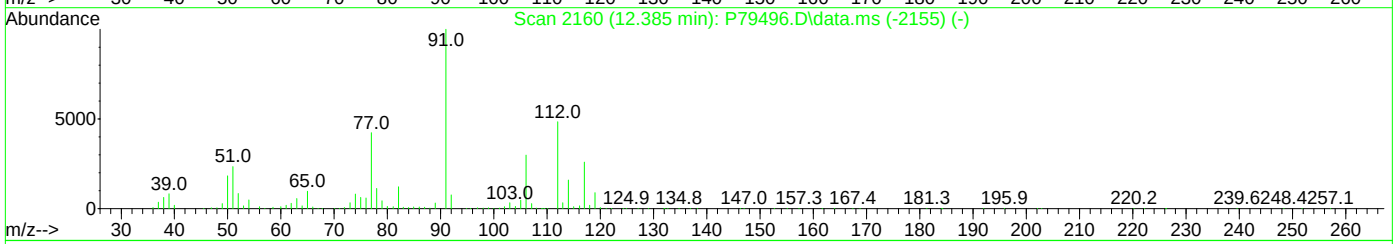
Quantitation Report (Qedit)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\7-8\V2A1921\V2A1921\
Data File : 2A56595.d
Acq On : 5 Jul 2024 5:12 pm
Operator : lianatr
Sample : FC16907-3MS Inst : MSVOA17
Misc : MS56977,V2A1921,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jul 08 04:41:27 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\7-8\V2A1921\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration







TIC: 2A56595.d\data.ms

(77) Ethylbenzene

5.390min (+0.000) 47.91ug/L

response 305651

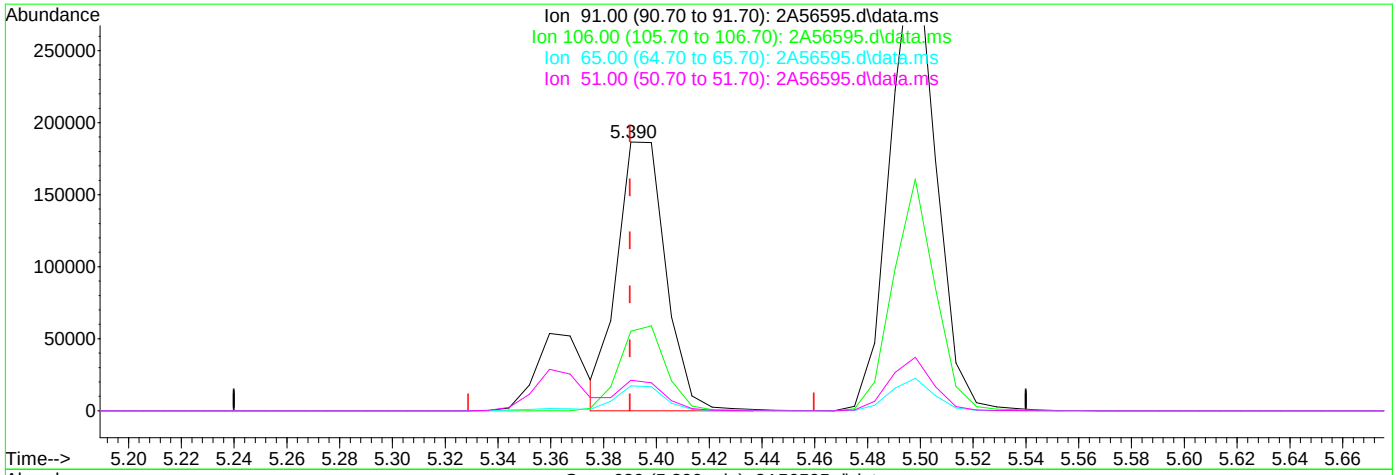
Ion	Exp%	Act%
91.00	100	100
106.00	34.30	29.62
65.00	7.10	9.27
51.00	7.10	11.35

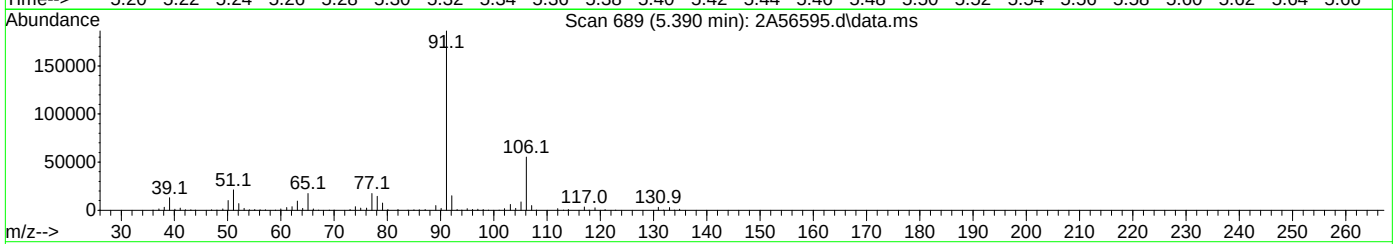
2A56595.D edits: Ethylbenzene

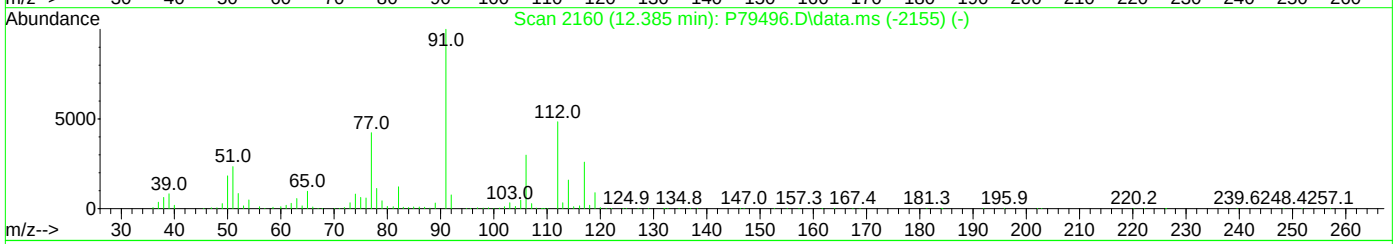
Quantitation Report (Qedit)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\7-8\V2A1921\V2A1921\
Data File : 2A56595.d
Acq On : 5 Jul 2024 5:12 pm
Operator : lianatr
Sample : FC16907-3MS Inst : MSVOA17
Misc : MS56977,V2A1921,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jul 08 04:41:27 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\7-8\V2A1921\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration







TIC: 2A56595.d\data.ms

(77) Ethylbenzene

5.390min (+0.000) 37.31ug/L m

response 238016

Ion	Exp%	Act%
91.00	100	100
106.00	34.30	29.62
65.00	7.10	9.27
51.00	7.10	11.35

Manual Integrations APPROVED (compounds with "m" flag)
Neil Christiana 07/08/24 07:50

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\7-8\V2A1921\V2A1921\
Data File : 2A56596.d
Acq On : 5 Jul 2024 5:36 pm
Operator : lianatr
Sample : FC16907-3MSD Inst : MSVOA17
Misc : MS56977,V2A1921,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jul 08 04:59:43 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\7-8\V2A1921\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.405	96	243717	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.352	117	183742	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.091	152	110997	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	2.958	113	69331	49.27	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.54%			
49) 1,2-Dichloroethane-d4	3.236	65	84520	50.11	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 100.22%			
63) Toluene-d8	4.336	98	245413	49.27	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 98.54%			
86) 4-Bromofluorobenzene	6.229	174	87824	50.00	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.027	85	97682	81.0953	ug/L	98
3) Chloromethane	1.134	50	78842	56.8556	ug/L	98
4) 1,3-butadiene	1.188	39	63446	39.6376	ug/L #	77
5) Vinyl Chloride	1.181	62	79667	56.8290	ug/L	97
6) Bromomethane	1.350	94	32042	52.5833	ug/L	99
7) Chloroethane	1.411	64	43288	66.3635	ug/L	95
8) Trichlorofluoromethane	1.496	101	107915	57.9293	ug/L	99
9) Ethyl Ether	1.658	59	41155	41.4845	ug/L	88
10) Ethanol	1.712	45	16642	1093.7821	ug/L	98
11) 1,2-Dichlorotrifluoroe...	1.750	67	67000	69.9568	ug/L	94
12) 1,1-Dichloroethene	1.758	61	85093	44.9158	ug/L	81
13) Freon 113	1.789	101	50738	45.2363	ug/L	88
14) Carbon Disulfide	1.781	76	124824	36.6505	ug/L	79
15) Iodomethane	1.835	142	44421	47.5037	ug/L	90
16) Acrolein	1.912	56	30094	129.2127	ug/L	97
17) Allyl chloride	1.996	41	79201	42.7640	ug/L	78
18) Methylene Chloride	2.043	49	76579	44.1954	ug/L #	69
19) Acetone	2.050	43	129848	265.1254	ug/L	79
20) Methyl acetate	2.127	43	305925	252.3859	ug/L	87
21) trans-1,2-Dichloroethene	2.135	61	82123	43.6445	ug/L #	75
22) Hexane	2.196	56	45153	40.2702	ug/L #	75
23) Methyl Tert Butyl Ether	2.196	73	157379	46.0841	ug/L	86
24) Acetonitrile	2.273	41	77976	474.5323	ug/L	96
25) Tert Butyl Alcohol	2.212	59	131780	674.8640	ug/L	78
26) Di-isopropyl ether	2.397	45	168088	43.5307	ug/L	87
27) Chloroprene	2.443	53	231777	45.8090	ug/L	92
28) 1,1-Dichloroethane	2.443	63	104331	43.4079	ug/L	96
29) Acrylonitrile	2.443	52	135110	221.3484	ug/L	93
30) ETBE	2.581	59	167332	45.7414	ug/L	90
31) Vinyl acetate	2.566	43	79772	27.3113	ug/L	95
32) cis-1,2-Dichloroethene	2.720	96	59493	45.4314	ug/L #	76
33) 2,2-Dichloropropane	2.781	77	65621	33.7623	ug/L	95
34) Bromochloromethane	2.820	128	30000	44.3756	ug/L #	57
35) Cyclohexane	2.858	56	93858	42.0776	ug/L #	81
36) Chloroform	2.858	83	109272	49.1392	ug/L	94
37) Ethyl acetate	2.912	43	218469	136.4769	ug/L	90
38) Tetrahydrofuran	2.943	42	25751	45.1391	ug/L	82
40) Carbon Tetrachloride	2.958	117	87368m	47.0399	ug/L	
41) 1,1,1-Trichloroethane	2.989	97	99255	46.5617	ug/L	94
42) 2-Butanone	3.005	43	185240	232.3637	ug/L	82
43) 1,1-Dichloropropene	3.051	75	78494	46.7379	ug/L #	76
44) tert-Butyl formate	3.097	59	45417	45.4775	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\7-8\V2A1921\V2A1921\
Data File : 2A56596.d
Acq On : 5 Jul 2024 5:36 pm
Operator : lianatr
Sample : FC16907-3MSD Inst : MSVOA17
Misc : MS56977,V2A1921,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jul 08 04:59:43 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\7-8\V2A1921\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45)	Propionitrile	3.143	54	114790	503.1007	ug/L		98
46)	Methacrylonitrile	3.166	41	456331	508.3250	ug/L		94
47)	Benzene	3.182	78	227508	46.1650	ug/L		85
48)	TAME	3.251	73	145643	45.5560	ug/L		86
50)	1,2-Dichloroethane	3.274	62	85755	47.6150	ug/L		97
51)	Isobutyl Alcohol	3.259	43	127107	1034.1493	ug/L		94
52)	Tert Amyl Alcohol	3.320	59	90813	582.4396	ug/L		92
53)	Trichloroethene	3.513	95	78743	56.0316	ug/L		91
54)	Methylcyclohexane	3.528	83	96591	44.3937	ug/L		83
55)	Dibromomethane	3.736	93	38668	45.3906	ug/L		89
56)	1,2-Dichloropropane	3.790	63	58344	45.8273	ug/L		88
57)	Bromodichloromethane	3.828	83	77084	43.2719	ug/L	#	96
58)	Methyl methacrylate	3.921	41	71102	59.3072	ug/L	#	70
59)	1,4-Dioxane	3.936	88	15457	1257.8330	ug/L		82
60)	2-Chloroethyl vinyl ether	4.167	63	192410	221.4944	ug/L		82
61)	cis-1,3-Dichloropropene	4.205	75	83082	42.9945	ug/L		78
64)	Toluene	4.367	91	238901	43.3351	ug/L		99
65)	2-Nitropropane	4.467	41	104810	216.0754	ug/L		95
66)	4-Methyl-2-pentanone	4.582	43	381129	231.6804	ug/L		87
67)	trans-1,3-Dichloropropene	4.613	75	74815	41.0531	ug/L		81
68)	Tetrachloroethene	4.629	166	118167	82.9115	ug/L		93
69)	Ethyl methacrylate	4.729	69	47827	29.2922	ug/L	#	73
70)	1,1,2-Trichloroethane	4.713	83	45252	43.6957	ug/L		83
71)	Dibromochloromethane	4.836	129	61963	48.1941	ug/L		99
72)	1,3-Dichloropropane	4.890	76	88965	49.3922	ug/L		74
73)	1,2-Dibromoethane	4.990	107	57053	46.3914	ug/L		96
74)	3,3-Dimethyl-1-Butanol	5.121	57	517374	2552.0876	ug/L		95
75)	2-hexanone	5.137	43	382455	239.6859	ug/L		80
76)	1-Chlorohexane	5.360	91	79257m	37.9498	ug/L		
77)	Ethylbenzene	5.391	91	272593m	42.6789	ug/L		
78)	Chlorobenzene	5.367	112	154347	43.2743	ug/L		91
79)	1,1,1,2-Tetrachloroethane	5.406	131	57805	47.5203	ug/L		98
80)	m,p-Xylene	5.498	91	434366	83.1685	ug/L		92
81)	o-Xylene	5.798	91	223112	40.7934	ug/L		91
82)	Styrene	5.829	104	167554	42.4818	ug/L		88
83)	Bromoform	5.837	173	43158	47.3365	ug/L		96
84)	Isopropylbenzene	6.037	105	265540	41.2228	ug/L		96
87)	cis-1,4-Dichloro-2-butene	6.260	53	20004	42.9749	ug/L	#	70
88)	n-Propylbenzene	6.345	91	325499	39.7651	ug/L		88
89)	Bromobenzene	6.306	156	69450	44.7394	ug/L	#	80
90)	1,1,2,2-Tetrachloroethane	6.368	83	55247	30.2287	ug/L		98
91)	1,3,5-Trimethylbenzene	6.506	105	230461	41.4567	ug/L		97
92)	2-Chlorotoluene	6.453	91	185226	40.9979	ug/L		93
93)	trans-1,4-Dichloro-2-B...	6.499	53	27129	46.0883	ug/L	#	61
94)	1,2,3-Trichloropropane	6.468	110	24214	50.5773	ug/L		77
95)	Cyclohexanone	6.476	55	22019	401.9730	ug/L	#	78
96)	4-Chlorotoluene	6.576	91	194676	40.2428	ug/L		88
97)	tert-Butylbenzene	6.745	91	137106	41.0013	ug/L		82
98)	1,2,4-Trimethylbenzene	6.799	105	221399	42.5741	ug/L		96
99)	Pentachloroethane	6.745	167	1353	1.6151	ug/L	#	1
100)	sec-Butylbenzene	6.891	105	275761	39.1664	ug/L		95
101)	4-Isopropyltoluene	7.007	119	237957	39.8001	ug/L		93
102)	1,3-Dichlorobenzene	7.038	146	124623	41.2758	ug/L		95
103)	1,2,3-Trimethylbenzene	7.138	105	220160	42.7162	ug/L		96
104)	1,4-Dichlorobenzene	7.107	146	126616	41.9244	ug/L		95
105)	n-Butylbenzene	7.338	92	115162	42.1146	ug/L		95
106)	Benzyl Chloride	7.292	126	16005	23.8503	ug/L	#	65
107)	1,2-Dichlorobenzene	7.422	146	116469	43.0041	ug/L		92

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\7-8\V2A1921\V2A1921\
Data File : 2A56596.d
Acq On : 5 Jul 2024 5:36 pm
Operator : lianatr
Sample : FC16907-3MSD Inst : MSVOA17
Misc : MS56977,V2A1921,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jul 08 04:59:43 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\7-8\V2A1921\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration

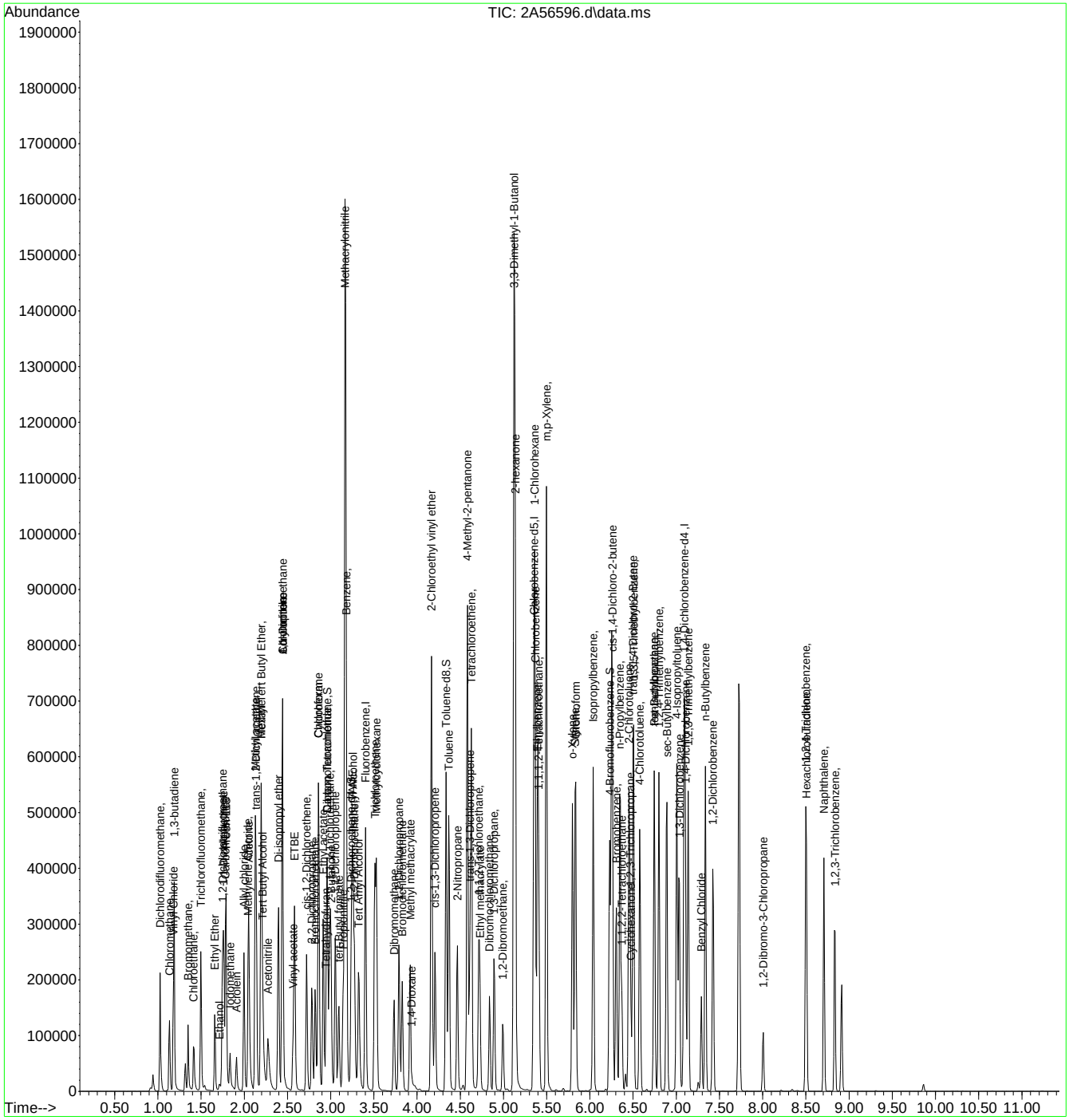
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) 1,2-Dibromo-3-Chloropr...	8.007	75	17125	46.2174	ug/L #	59
109) Hexachlorobutadiene	8.508	225	35224	45.9120	ug/L	89
110) 1,2,4-Trichlorobenzene	8.500	180	68903	41.8141	ug/L	98
111) Naphthalene	8.708	128	196148	43.5727	ug/L	100
112) 1,2,3-Trichlorobenzene	8.838	180	63094	42.8304	ug/L	96

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

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\7-8\V2A1921\V2A1921\
Data File : 2A56596.d
Acq On : 5 Jul 2024 5:36 pm
Operator : lianatr
Sample : FC16907-3MSD Inst : MSVOA17
Misc : MS56977,V2A1921,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jul 08 04:59:43 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\7-8\V2A1921\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: FC16907-3MSD
Lab FileID: 2A56596.D
Injection Time: 07/05/24 17:36

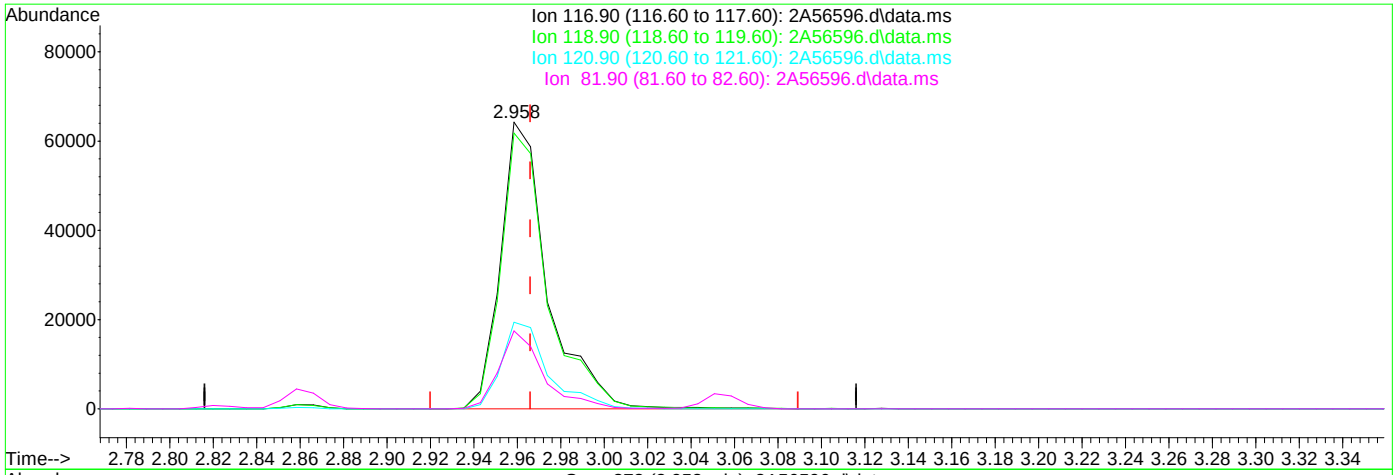
Method: SW846 8260D
Analyst approved: 07/08/24 01:11 Lotus Acosta
Supervisor approved: 07/08/24 07:50 Neil Christiana

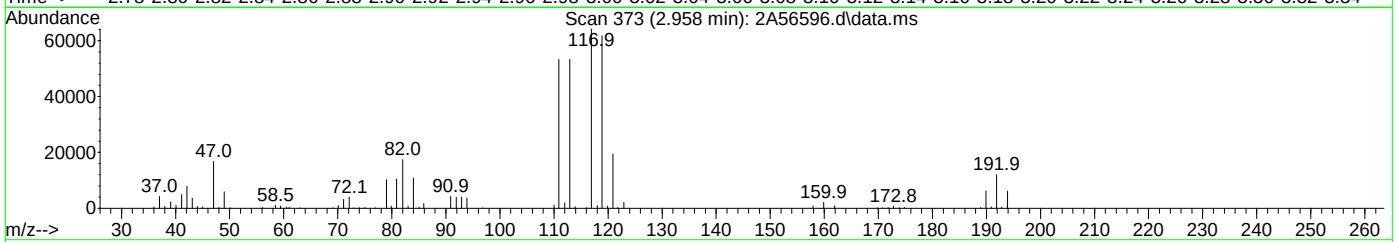
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		2.96	Overlapping peak
1-Chlorohexane	544-10-5		5.36	Overlapping peak
Ethylbenzene	100-41-4		5.39	Overlapping peak

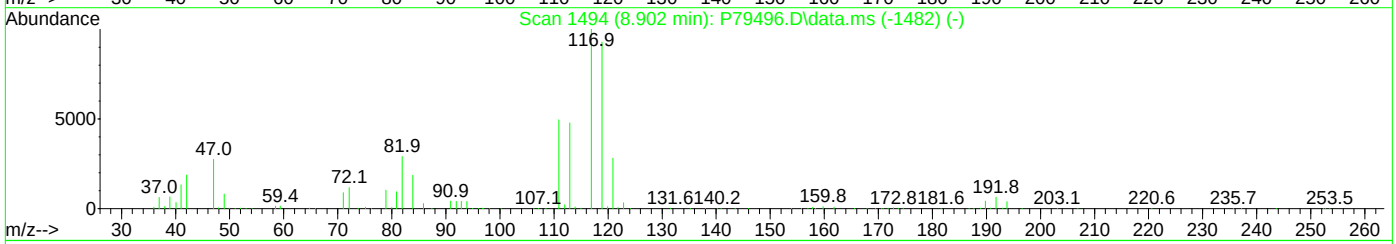
Quantitation Report (Qedit)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\7-8\V2A1921\V2A1921\
Data File : 2A56596.d
Acq On : 5 Jul 2024 5:36 pm
Operator : lianatr
Sample : FC16907-3MSD Inst : MSVOA17
Misc : MS56977,V2A1921,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jul 08 04:41:35 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\7-8\V2A1921\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration







TIC: 2A56596.d\data.ms

(40) Carbon Tetrachloride ( )

2.958min (-0.008) 52.69ug/L

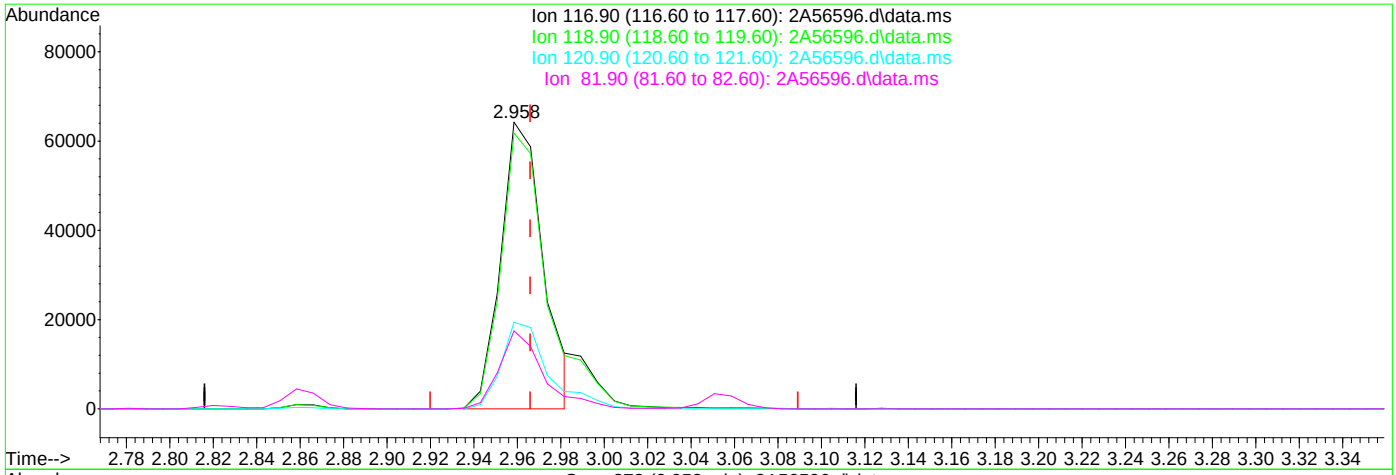
response 97871

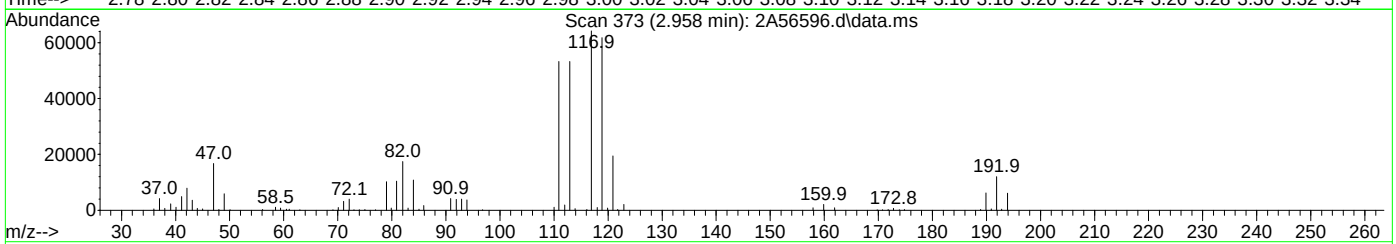
Ion	Exp%	Act%
116.90	100	100
118.90	96.30	96.13
120.90	31.00	30.23
81.90	19.00	27.14

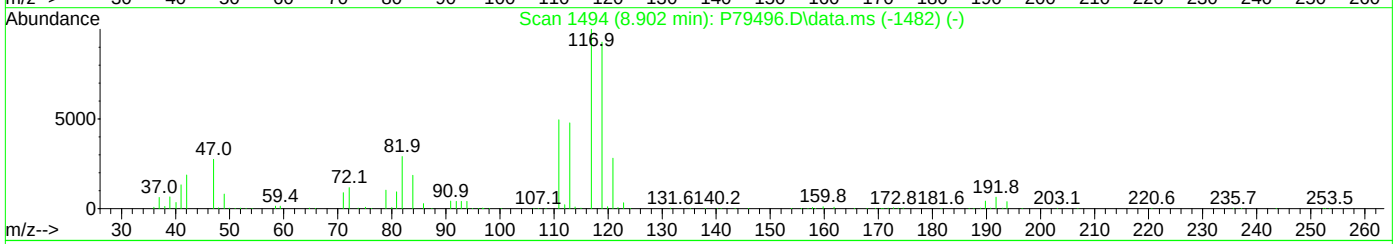
Quantitation Report (Qedit)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\7-8\V2A1921\V2A1921\
Data File : 2A56596.d
Acq On : 5 Jul 2024 5:36 pm
Operator : lianatr
Sample : FC16907-3MSD Inst : MSVOA17
Misc : MS56977,V2A1921,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jul 08 04:41:35 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\7-8\V2A1921\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration







TIC: 2A56596.d\data.ms

(40) Carbon Tetrachloride ( )

2.958min (-0.008) 47.04ug/L m

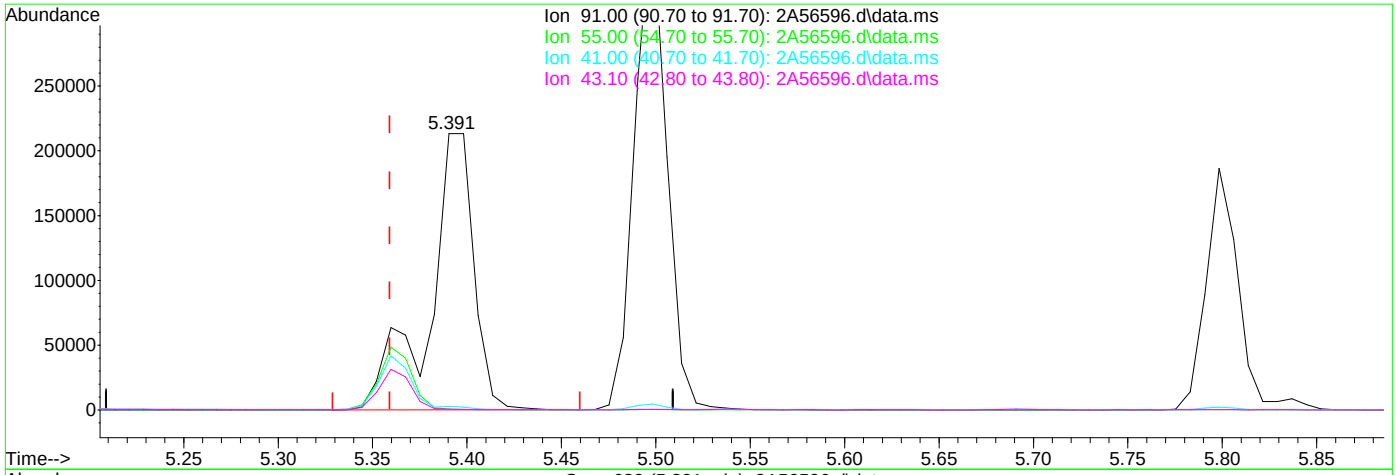
response 87368

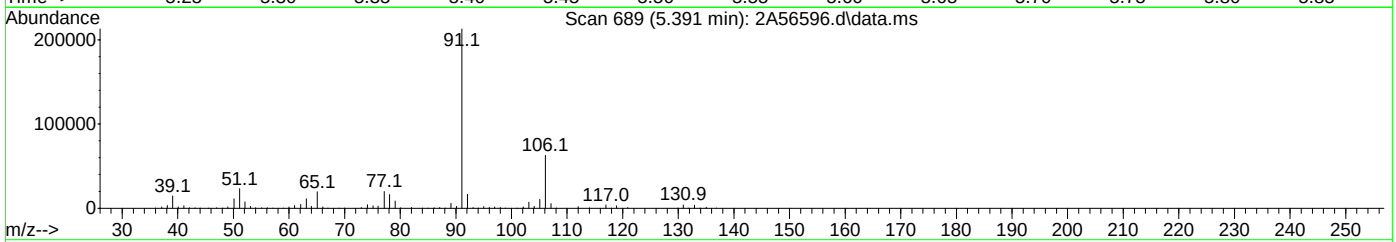
Ion	Exp%	Act%
116.90	100	100
118.90	96.30	96.13
120.90	31.00	30.23
81.90	19.00	27.14

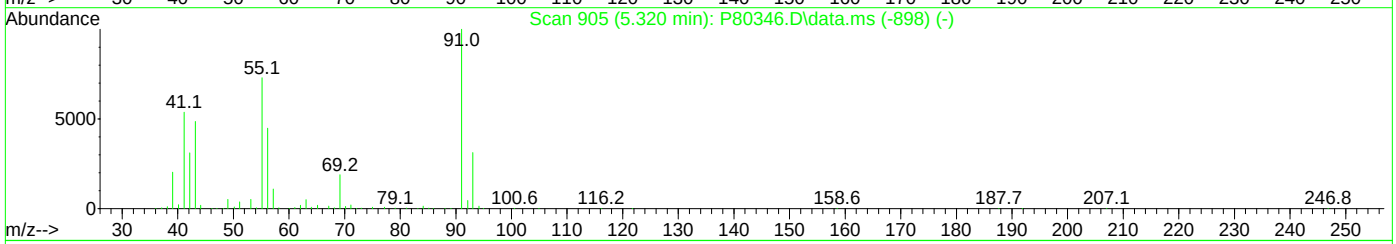
Quantitation Report (Qedit)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\7-8\V2A1921\V2A1921\
Data File : 2A56596.d
Acq On : 5 Jul 2024 5:36 pm
Operator : lianatr
Sample : FC16907-3MSD Inst : MSVOA17
Misc : MS56977,V2A1921,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jul 08 04:41:35 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\7-8\V2A1921\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration







TIC: 2A56596.d\data.ms

(76) 1-Chlorohexane

5.391min (+0.032) 168.30ug/L

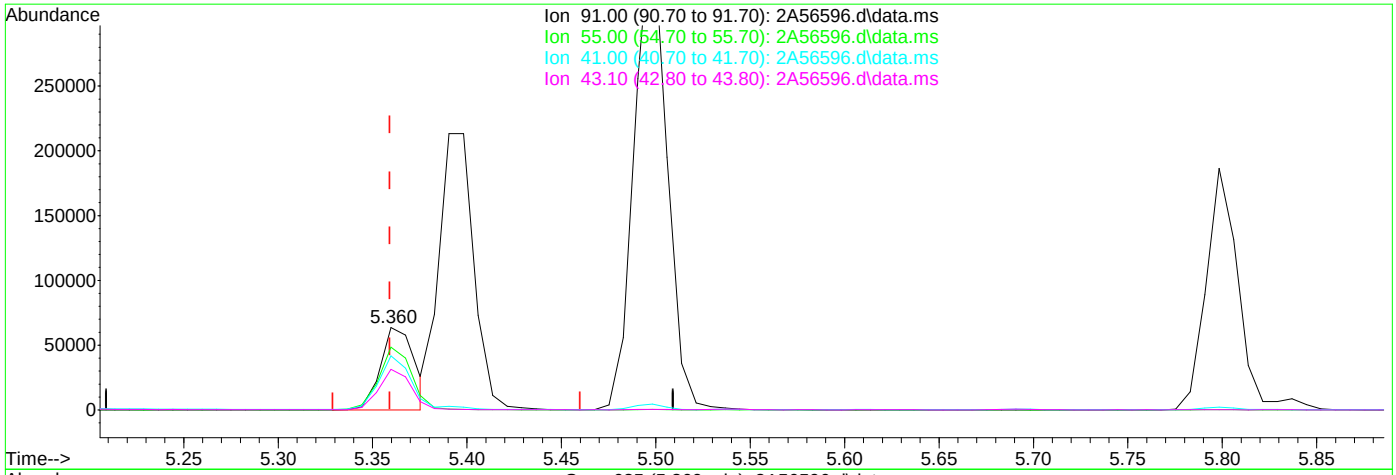
response 351480

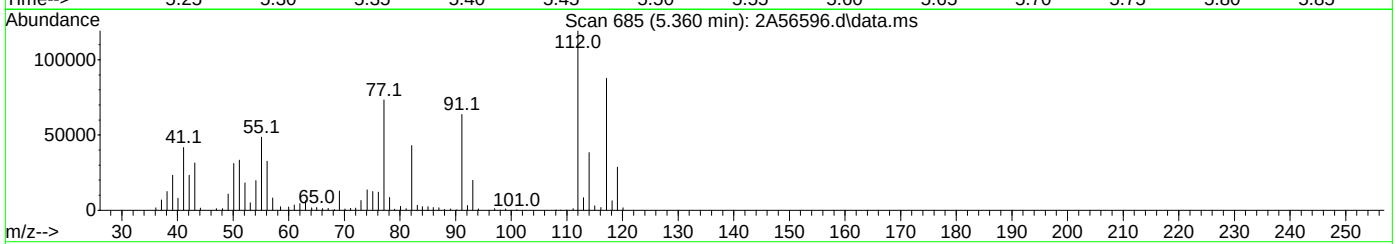
Ion	Exp%	Act%
91.00	100	100
55.00	58.90	0.30#
41.00	39.20	1.19#
43.10	33.20	0.27#

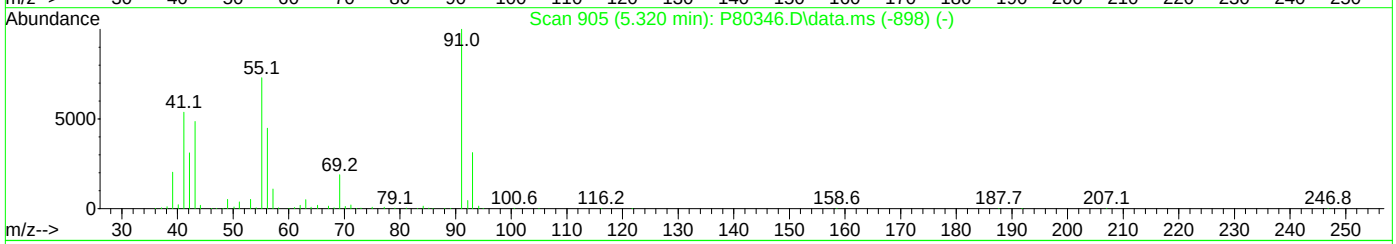
Quantitation Report (Qedit)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\7-8\V2A1921\V2A1921\
Data File : 2A56596.d
Acq On : 5 Jul 2024 5:36 pm
Operator : lianatr
Sample : FC16907-3MSD Inst : MSVOA17
Misc : MS56977,V2A1921,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jul 08 04:41:35 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\7-8\V2A1921\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration







TIC: 2A56596.d\data.ms

(76) 1-Chlorohexane

5.360min (+0.001) 37.95ug/L m

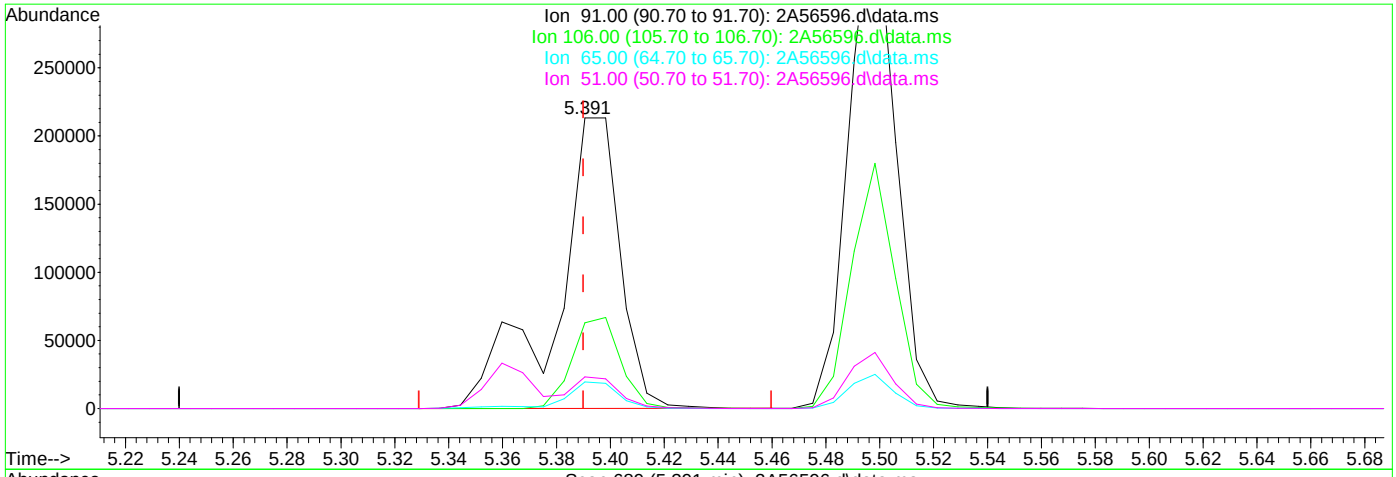
response 79257

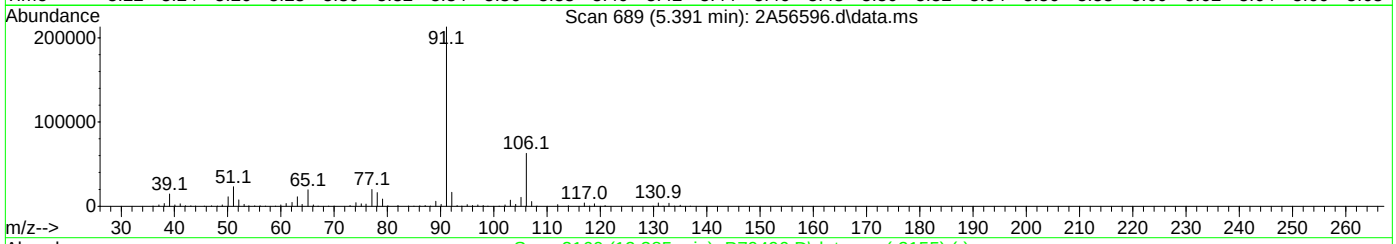
Ion	Exp%	Act%
91.00	100	100
55.00	58.90	76.40
41.00	39.20	65.54#
43.10	33.20	49.40

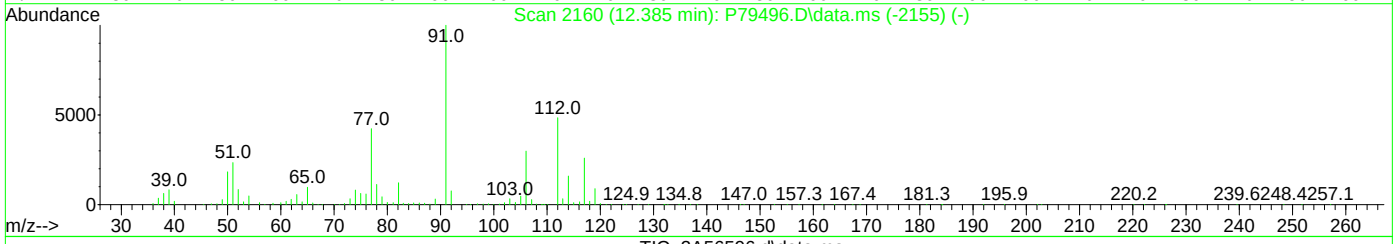
Quantitation Report (Qedit)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\7-8\V2A1921\V2A1921\
Data File : 2A56596.d
Acq On : 5 Jul 2024 5:36 pm
Operator : lianatr
Sample : FC16907-3MSD Inst : MSVOA17
Misc : MS56977,V2A1921,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jul 08 04:41:35 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\7-8\V2A1921\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration







TIC: 2A56596.d\data.ms

(77) Ethylbenzene

5.391min (+0.001) 55.03ug/L

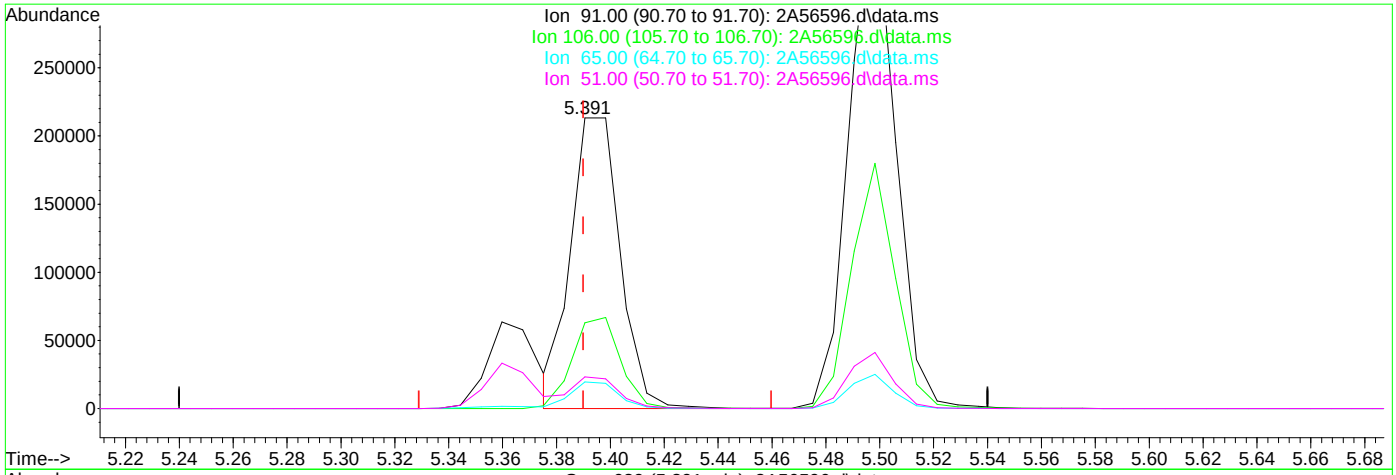
response 351480

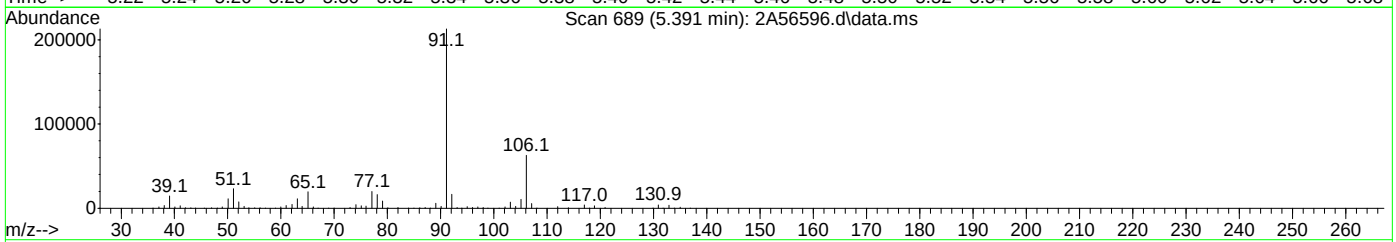
Ion	Exp%	Act%
91.00	100	100
106.00	34.30	29.45
65.00	7.10	9.11
51.00	7.10	10.84

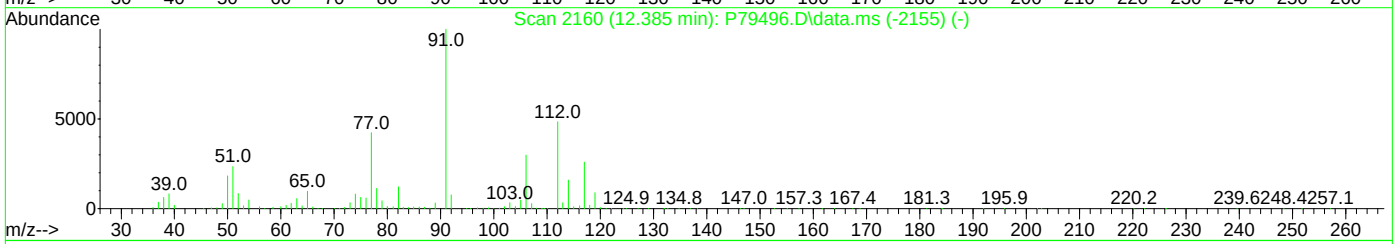
Quantitation Report (Qedit)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\7-8\V2A1921\V2A1921\
Data File : 2A56596.d
Acq On : 5 Jul 2024 5:36 pm
Operator : lianatr
Sample : FC16907-3MSD Inst : MSVOA17
Misc : MS56977,V2A1921,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jul 08 04:41:35 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\7-8\V2A1921\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration







TIC: 2A56596.d\data.ms

(77) Ethylbenzene

5.391min (+0.001) 42.68ug/L m

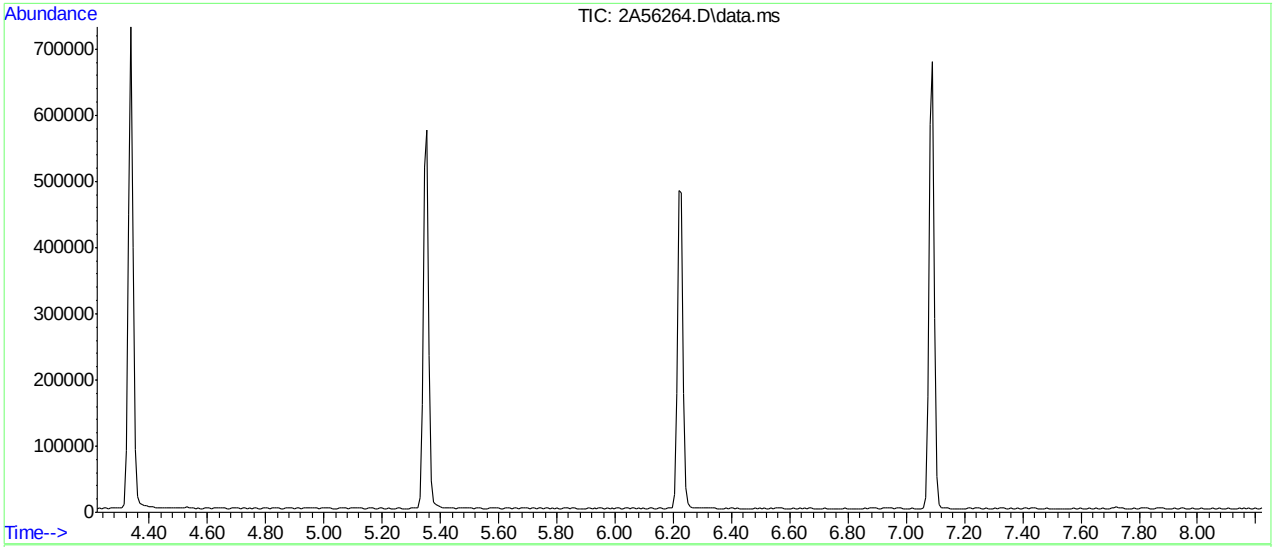
response 272593

Ion	Exp%	Act%
91.00	100	100
106.00	34.30	29.45
65.00	7.10	9.11
51.00	7.10	10.84

Methods: SW-846 8260B

```
Data File : C:\msdchem\1\DATA\06-25-2024\2A56264.D       Vial: 51
Acq On    : 25 Jun 2024   7:28 am                    Operator: jeniferw
Sample    : BFB                                      Inst    : MSVOA17
Misc      : MS56892,V2A1910,,,,,                     Multiplr: 1.00
MS Integration Params: med.p

Method    : C:\msdchem\1\MET...A1910_06252024.M (RTE Integrator)
Title     : SW-846 Method 5035A/8260B
```



AutoFind: Scans 796, 797, 798; Background Corrected with Scan 791

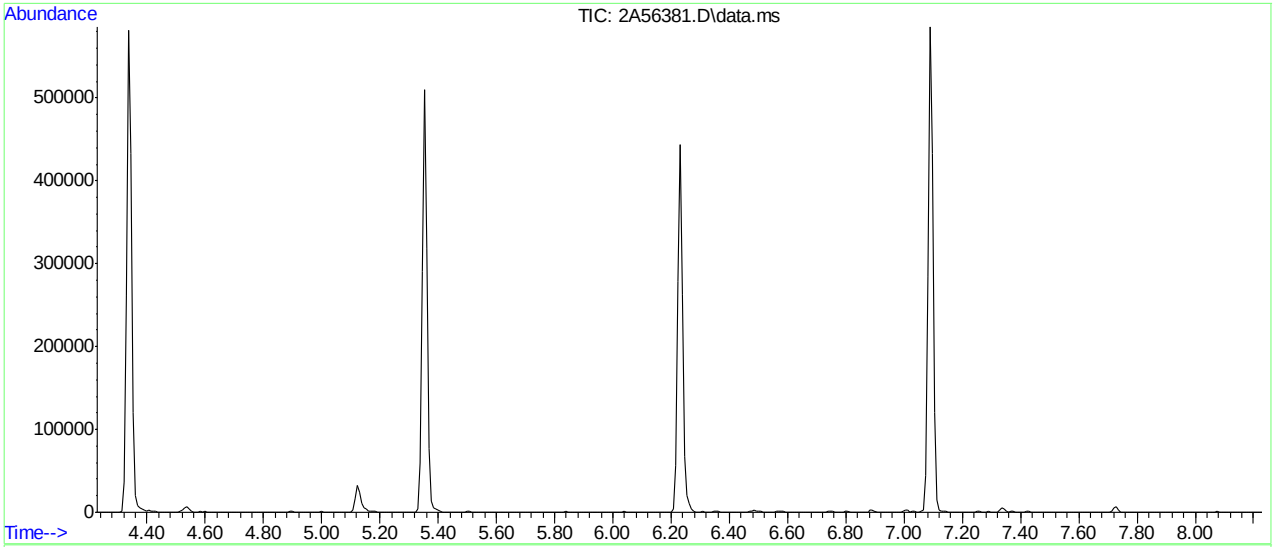
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	95	100	100	100.0	77464	PASS
96	95	5	9	6.8	5256	PASS
173	174	0.00	2	0.7	451	PASS
174	95	50	200	78.2	60557	PASS
175	174	5	9	7.4	4463	PASS
176	174	95	105	97.4	58979	PASS
177	176	5	10	6.6	3865	PASS

2A56264.D V2A1910_06252024.M Tue Jun 25 11:23:07 2024

Methods: SW-846 8260B

Data File : C:\msdchem\1\DATA\06-28-2024\2A56381.D Vial: 1
Acq On : 28 Jun 2024 6:55 am Operator: lianatr
Sample : BFB Inst : MSVOA17
Misc : MS56922,V2A1914,,,,, Multiplr: 1.00
MS Integration Params: med.p

Method : C:\msdchem\1\MET...A1910_06252024.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B



AutoFind: Scans 797, 798, 799; Background Corrected with Scan 792

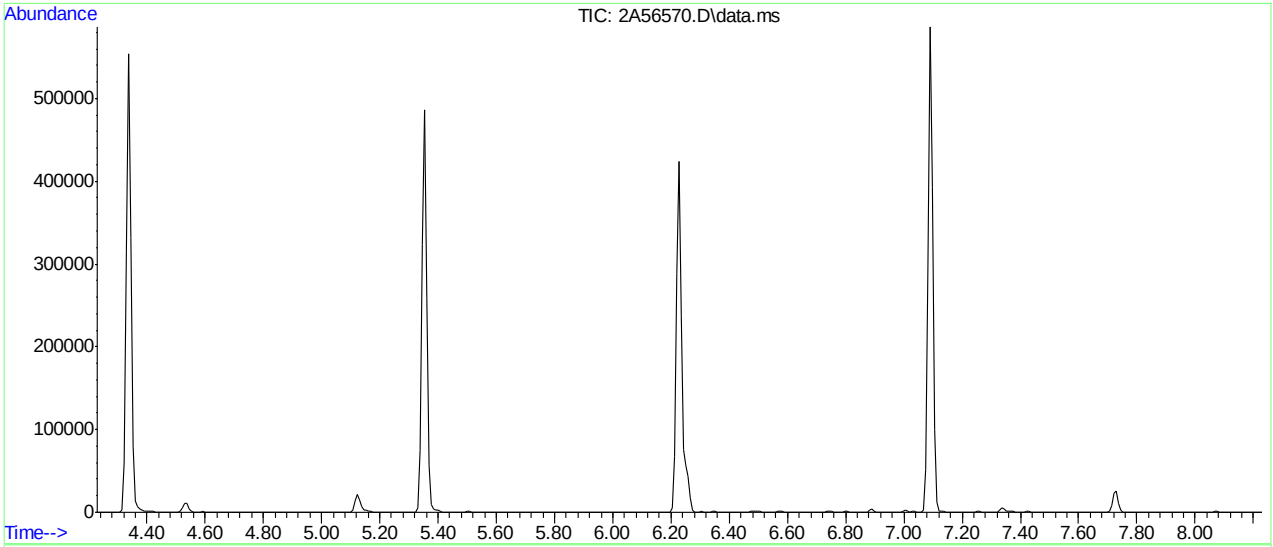
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	95	100	100	100.0	64904	PASS
96	95	5	9	6.7	4322	PASS
173	174	0.00	2	0.7	395	PASS
174	95	50	200	85.4	55440	PASS
175	174	5	9	7.3	4068	PASS
176	174	95	105	96.0	53240	PASS
177	176	5	10	6.6	3505	PASS

2A56381.D V2A1910_06252024.M Fri Jun 28 11:33:15 2024

Methods: SW-846 8260B

```
Data File : C:\msdchem\1\DATA\07-05-2024\2A56570.D       Vial: 1
Acq On    :  5 Jul 2024   7:05 am                    Operator: lianatr
Sample    : BFB                                     Inst    : MSVOA17
Misc      : MS56968,V2A1921,,,,,                    Multiplr: 1.00
MS Integration Params: med.p

Method    : C:\msdchem\1\MET...A1910_06252024.M (RTE Integrator)
Title     : SW-846 Method 5035A/8260B
```



AutoFind: Scans 797, 798, 799; Background Corrected with Scan 792

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	95	100	100	100.0	62019	PASS
96	95	5	9	6.6	4074	PASS
173	174	0.00	2	0.7	409	PASS
174	95	50	200	88.1	54643	PASS
175	174	5	9	7.2	3922	PASS
176	174	95	105	96.7	52843	PASS
177	176	5	10	6.7	3553	PASS

2A56570.D V2A1910_06252024.M Mon Jul 08 07:37:30 2024

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
06/26/24 07:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56266.D
Acq On : 25 Jun 2024 8:07 am
Operator : jeniferw
Sample : IC1910-1
Misc : MS56892,V2A1910,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Jun 25 11:42:46 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	3.404	96	297436	50.00	ug/L		0.00
62) Chlorobenzene-d5	5.352	117	232430	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	7.091	152	132984	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	2.958	113	88270	49.91	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.82%				
49) 1,2-Dichloroethane-d4	3.235	65	104178	63.53	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 127.06%#				
63) Toluene-d8	4.336	98	309511	53.19	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 106.38%				
86) 4-Bromofluorobenzene	6.229	174	105196	49.60	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.20%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.026	85	1640	1.08	ug/L		95
3) Chloromethane	1.134	50	2361	1.74	ug/L		99
4) 1,3-butadiene	1.188	39	3598	4.81	ug/L	#	73
5) Vinyl Chloride	1.180	62	2090	1.90	ug/L		100
6) Bromomethane	1.350	94	1508	3.30	ug/L		87
7) Chloroethane	1.419	64	1669	2.72	ug/L		79
8) Trichlorofluoromethane	1.503	101	2335	1.21	ug/L		95
9) Ethyl Ether	1.657	59	1332	1.54	ug/L		90
11) 1,2-Dichlorotrifluoroe...	1.750	67	1844	2.01	ug/L		88
12) 1,1-Dichloroethene	1.765	61	2657	1.58	ug/L		82
13) Freon 113	1.788	101	1273	0.89	ug/L	#	77
14) Carbon Disulfide	1.788	76	5711	1.50	ug/L		79
15) Iodomethane	1.834	142	526m	0.61	ug/L		
16) Acrolein	1.911	56	1391	5.99	ug/L		91
17) Allyl chloride	1.996	41	3161	2.42	ug/L		80
18) Methylene Chloride	2.050	49	4632	3.37	ug/L	#	72
19) Acetone	2.058	43	3277	9.10	ug/L		82
20) Methyl acetate	2.127	43	8080	8.54	ug/L		87
21) trans-1,2-Dichloroethene	2.142	61	2870	1.73	ug/L		82
22) Hexane	2.204	56	1341	1.19	ug/L	#	81
23) Methyl Tert Butyl Ether	2.196	73	4066	1.22	ug/L		90
24) Acetonitrile	2.273	41	2643	18.89	ug/L		95
25) Tert Butyl Alcohol	2.212	59	2490	14.08	ug/L		59
26) Di-isopropyl ether	2.396	45	5274	1.99	ug/L		91
27) Chloroprene	2.442	53	6727	1.61	ug/L		94
28) 1,1-Dichloroethane	2.442	63	3614	1.65	ug/L		93
29) Acrylonitrile	2.442	52	3921	7.91	ug/L		95
30) ETBE	2.581	59	4358	1.36	ug/L		89
31) Vinyl acetate	2.566	43	15264	8.17	ug/L		99
32) cis-1,2-Dichloroethene	2.719	96	2490	1.54	ug/L	#	78
33) 2,2-Dichloropropane	2.781	77	3025	1.75	ug/L		95
34) Bromochloromethane	2.827	128	893	0.96	ug/L	#	69
35) Cyclohexane	2.858	56	2686	1.37	ug/L	#	73
36) Chloroform	2.858	83	3966	1.58	ug/L		91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56266.D
Acq On : 25 Jun 2024 8:07 am
Operator : jeniferw
Sample : IC1910-1
Misc : MS56892,V2A1910,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Jun 25 11:42:46 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) Ethyl acetate	2.920	43	9386	8.66	ug/L		90
40) Carbon Tetrachloride	2.966	117	2583m	1.12	ug/L		
41) 1,1,1-Trichloroethane	2.989	97	3287	1.44	ug/L		91
42) 2-Butanone	3.004	43	4685	8.04	ug/L		83
43) 1,1-Dichloropropene	3.058	75	2350	1.44	ug/L		83
44) tert-Butyl formate	3.097	59	5213	5.52	ug/L		94
45) Propionitrile	3.143	54	3105	14.01	ug/L		91
46) Methacrylonitrile	3.166	41	10528	15.73	ug/L		89
47) Benzene	3.181	78	7458	1.44	ug/L		94
48) TAME	3.251	73	4033	1.30	ug/L		95
50) 1,2-Dichloroethane	3.274	62	2448	1.47	ug/L		98
51) Isobutyl Alcohol	3.251	43	3183	33.86	ug/L		68
52) Tert Amyl Alcohol	3.320	59	1813	12.89	ug/L		82
53) Trichloroethene	3.512	95	1911	1.26	ug/L		90
54) Methylcyclohexane	3.528	83	2627	1.09	ug/L	#	73
55) Dibromomethane	3.735	93	1087	1.20	ug/L		88
56) 1,2-Dichloropropane	3.789	63	1767	1.54	ug/L		88
57) Bromodichloromethane	3.828	83	2480	1.40	ug/L	#	97
58) Methyl methacrylate	3.920	41	1438	1.77	ug/L	#	69
59) 1,4-Dioxane	3.943	88	116m	7.43	ug/L		
60) 2-Chloroethyl vinyl ether	4.166	63	5113	7.04	ug/L		85
61) cis-1,3-Dichloropropene	4.205	75	2368	1.26	ug/L		75
64) Toluene	4.367	91	8453	1.49	ug/L		99
65) 2-Nitropropane	4.467	41	2839	9.98	ug/L		91
66) 4-Methyl-2-pentanone	4.582	43	10387	9.77	ug/L		84
67) trans-1,3-Dichloropropene	4.613	75	2316	1.39	ug/L		81
68) Tetrachloroethene	4.628	166	1941	0.94	ug/L		85
69) Ethyl methacrylate	4.728	69	2089	1.47	ug/L		78
70) 1,1,2-Trichloroethane	4.713	83	1588	1.66	ug/L		93
71) Dibromochloromethane	4.836	129	1550	0.97	ug/L		85
72) 1,3-Dichloropropane	4.890	76	2082	1.18	ug/L		83
73) 1,2-Dibromoethane	4.990	107	1471	1.06	ug/L		95
74) 3,3-Dimethyl-1-Butanol	5.121	57	13057	80.58	ug/L		92
75) 2-hexanone	5.136	43	9719	9.31	ug/L		78
76) 1-Chlorohexane	5.359	91	3228m	1.58	ug/L		
77) Ethylbenzene	5.390	91	9767m	1.54	ug/L		
78) Chlorobenzene	5.359	112	5206	1.27	ug/L		74
79) 1,1,1,2-Tetrachloroethane	5.406	131	1574	1.05	ug/L		82
80) m,p-Xylene	5.498	91	15825	3.05	ug/L		91
81) o-Xylene	5.798	91	8011	1.51	ug/L		90
82) Styrene	5.829	104	5502	1.35	ug/L		86
83) Bromoform	5.837	173	1103	0.86	ug/L		93
84) Isopropylbenzene	6.037	105	9505	1.40	ug/L		94
87) cis-1,4-Dichloro-2-butene	6.260	53	677m	1.75	ug/L		
88) n-Propylbenzene	6.344	91	12193	1.89	ug/L		90
89) Bromobenzene	6.298	156	2131	1.24	ug/L	#	61
90) 1,1,2,2-Tetrachloroethane	6.368	83	2595	1.79	ug/L		93
91) 1,3,5-Trimethylbenzene	6.498	105	7953	1.63	ug/L		95
92) 2-Chlorotoluene	6.452	91	6478	1.73	ug/L		92
93) trans-1,4-Dichloro-2-B...	6.506	53	981	2.15	ug/L	#	69

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56266.D
Acq On : 25 Jun 2024 8:07 am
Operator : jeniferw
Sample : IC1910-1
Misc : MS56892,V2A1910,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Jun 25 11:42:46 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration

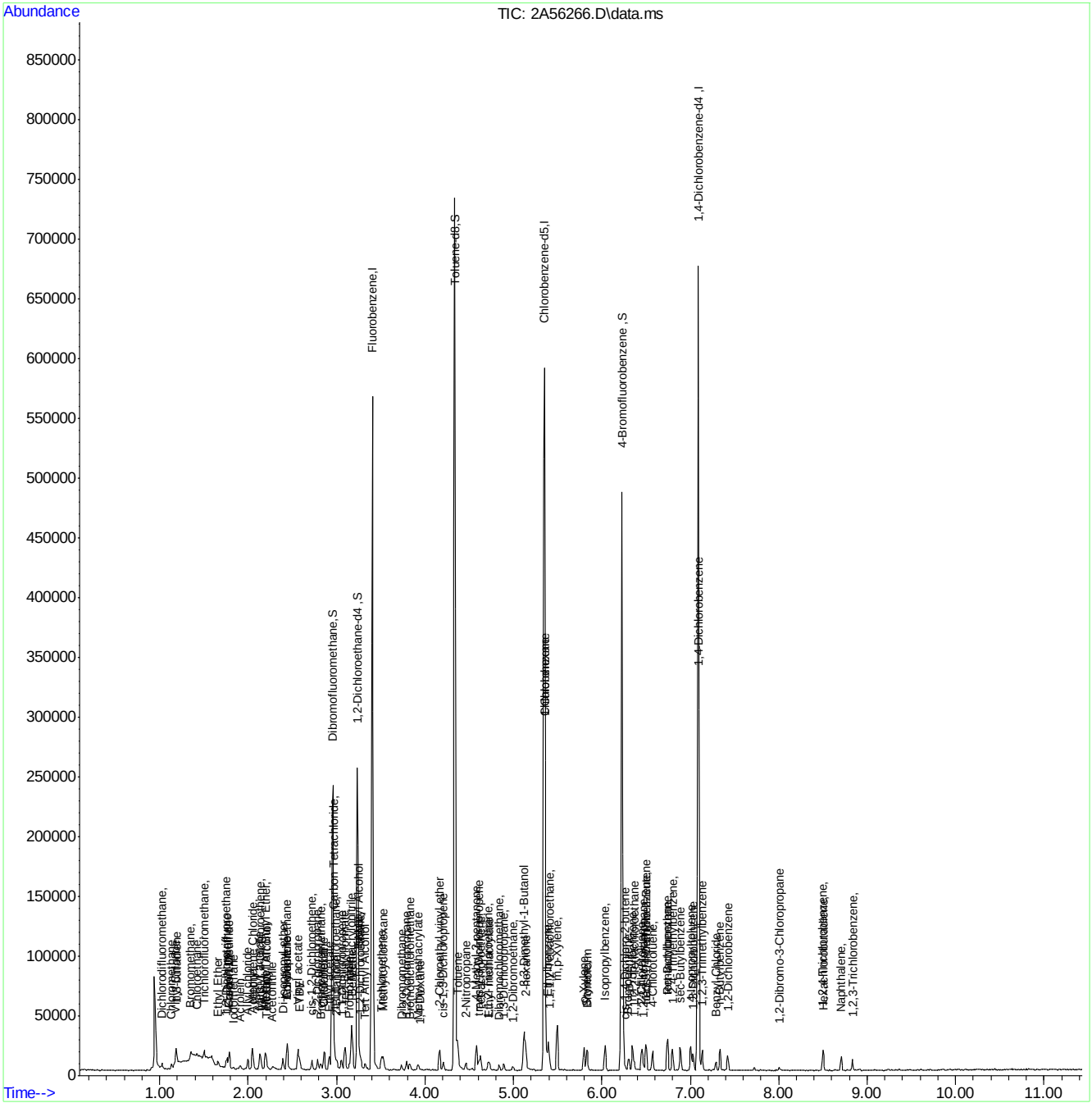
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
94) 1,2,3-Trichloropropane	6.468	110	567m	1.18	ug/L		
96) 4-Chlorotoluene	6.575	91	6893	1.73	ug/L		88
97) tert-Butylbenzene	6.745	91	4910	1.86	ug/L		83
98) 1,2,4-Trimethylbenzene	6.799	105	7296	1.42	ug/L		97
99) Pentachloroethane	6.745	167	1018	0.99	ug/L	#	25
100) sec-Butylbenzene	6.883	105	10341	1.64	ug/L		94
101) 4-Isopropyltoluene	7.006	119	8890	1.64	ug/L		94
102) 1,3-Dichlorobenzene	7.029	146	4125	1.22	ug/L		90
103) 1,2,3-Trimethylbenzene	7.137	105	6702	1.41	ug/L		99
104) 1,4-Dichlorobenzene	7.099	146	4179m	1.23	ug/L		
105) n-Butylbenzene	7.337	92	3861	1.59	ug/L		91
106) Benzyl Chloride	7.291	126	719m	1.05	ug/L		
107) 1,2-Dichlorobenzene	7.422	146	3415	1.14	ug/L		91
108) 1,2-Dibromo-3-Chloropr...	8.007	75	421m	1.44	ug/L		
109) Hexachlorobutadiene	8.507	225	1156	1.09	ug/L		88
110) 1,2,4-Trichlorobenzene	8.499	180	2195	1.10	ug/L		87
111) Naphthalene	8.707	128	5670	1.29	ug/L		98
112) 1,2,3-Trichlorobenzene	8.838	180	1947	1.06	ug/L		96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56266.D
Acq On : 25 Jun 2024 8:07 am
Operator : jeniferw
Sample : IC1910-1
Misc : MS56892,V2A1910,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Jun 25 11:42:46 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration



Manual Integration Approval Summary

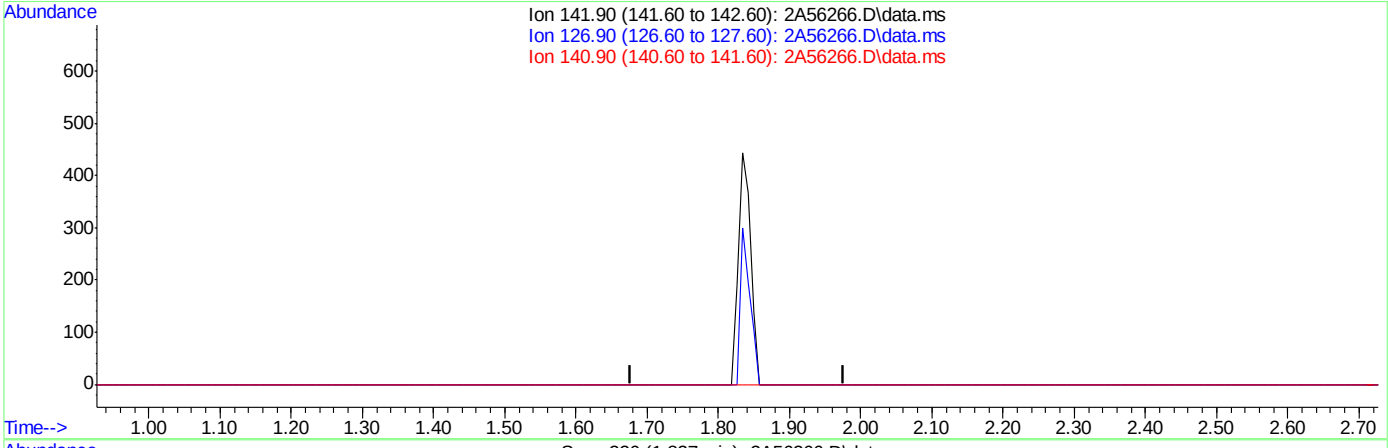
Sample Number: V2A1910-IC1910
Lab FileID: 2A56266.D
Injection Time: 06/25/24 08:07
Method: SW846 8260D
Analyst approved: 06/25/24 13:54 Jenifer Willis
Supervisor approved: 06/26/24 07:53 Karen Watson

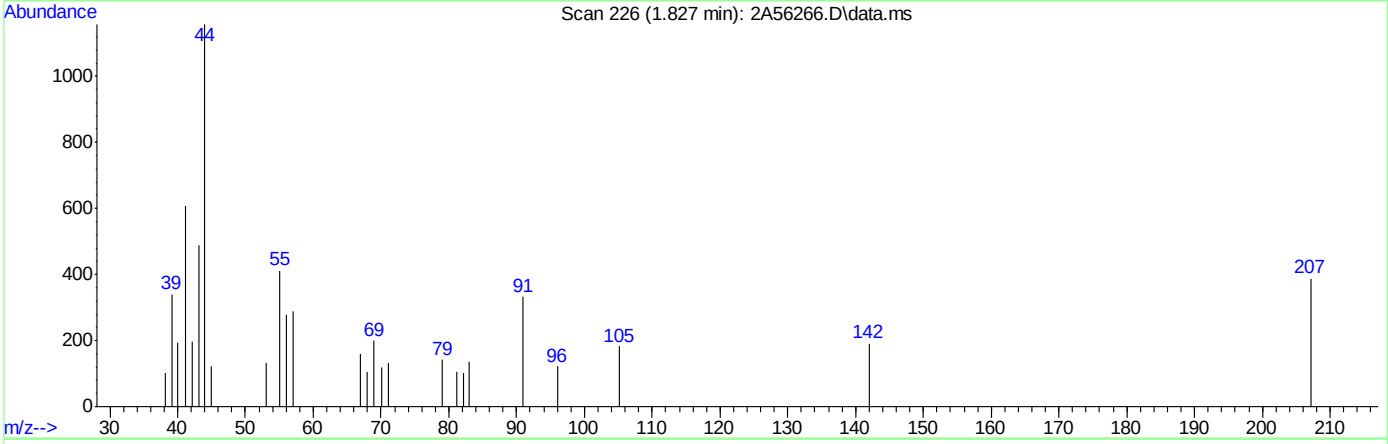
Parameter	CAS	Sig#	R.T. (min.)	Reason
Methyl Iodide	74-88-4		1.83	Missed peak
Carbon Tetrachloride	56-23-5		2.97	Overlapping peak
1,4-Dioxane	123-91-1		3.94	Missed peak
1-Chlorohexane	544-10-5		5.36	Poorly defined baseline
Ethylbenzene	100-41-4		5.39	Poorly defined baseline
cis-1,4-Dichloro-2-Butene	1476-11-5		6.26	Missed peak
1,2,3-Trichloropropane	96-18-4		6.47	Missed peak
1,4-Dichlorobenzene	106-46-7		7.10	Missed peak
Benzyl Chloride	100-44-7		7.29	Missed peak
1,2-Dibromo-3-chloropropane	96-12-8		8.01	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56266.D
Acq On : 25 Jun 2024 8:07 am
Operator : jeniferw
Sample : IC1910-1
Misc : MS56892,V2A1910,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Jun 25 11:23:15 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56266.D\data.ms

(15) Iodomethane

1.827min (-1.827) 0.00ug/L

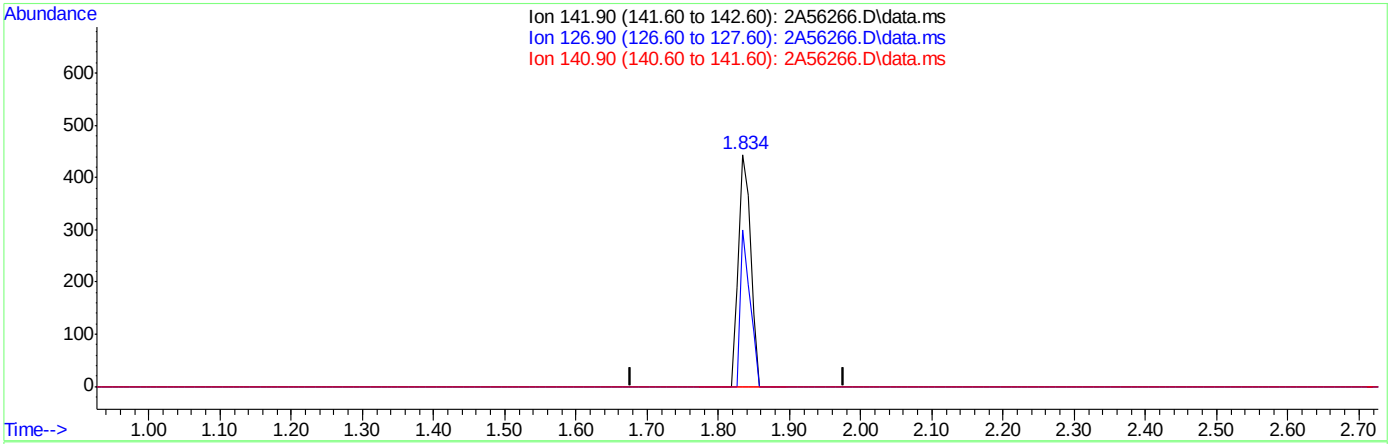
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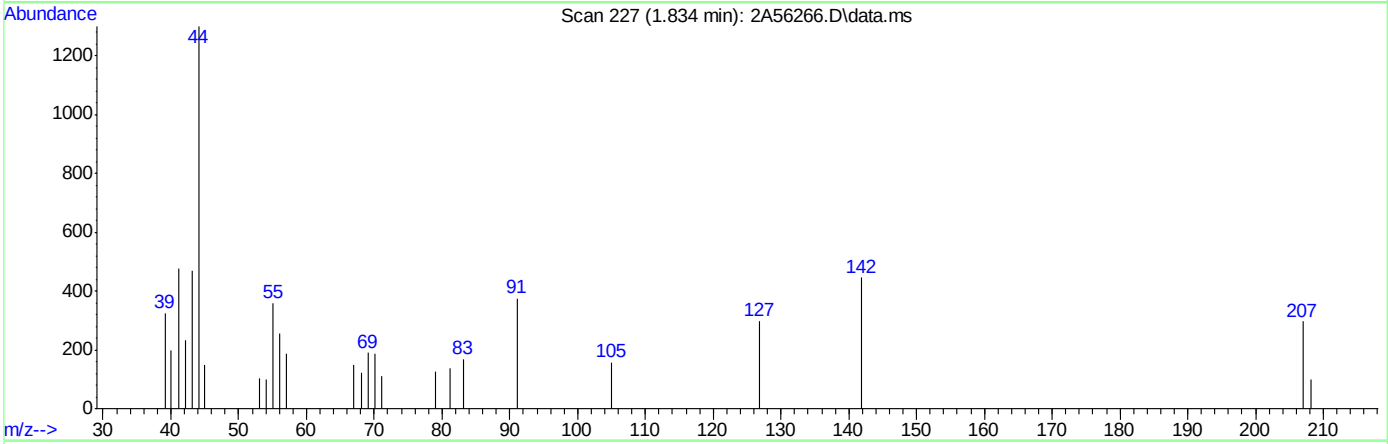
Ion	Exp%	Act%
141.90	100	0.00
126.90	37.10	0.00#
140.90	14.20	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56266.D
Acq On : 25 Jun 2024 8:07 am
Operator : jeniferw
Sample : IC1910-1
Misc : MS56892,V2A1910,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Jun 25 11:23:15 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56266.D\data.ms

(15) Iodomethane

1.834min (+0.007) 0.61ug/L m

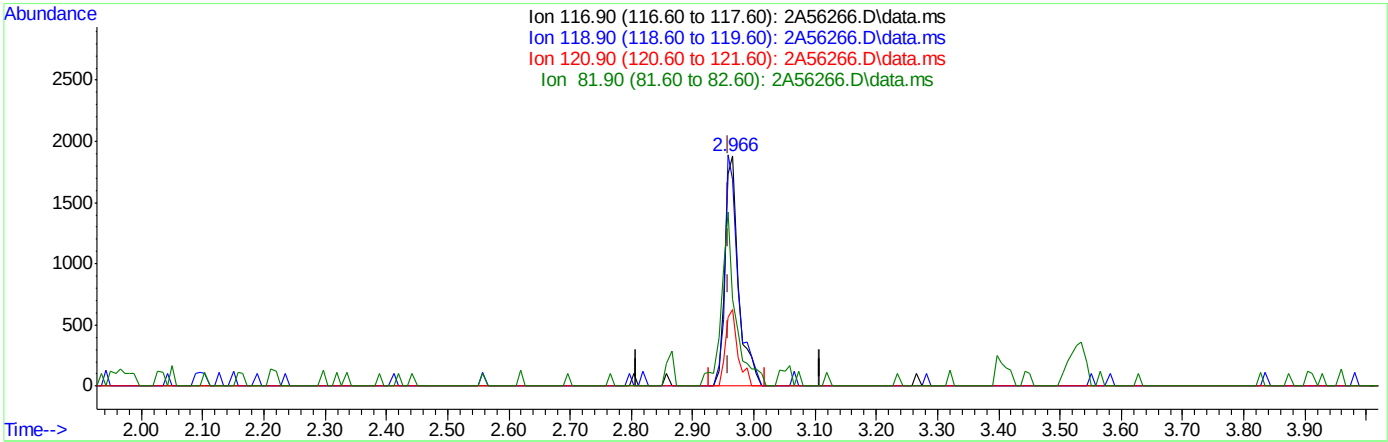
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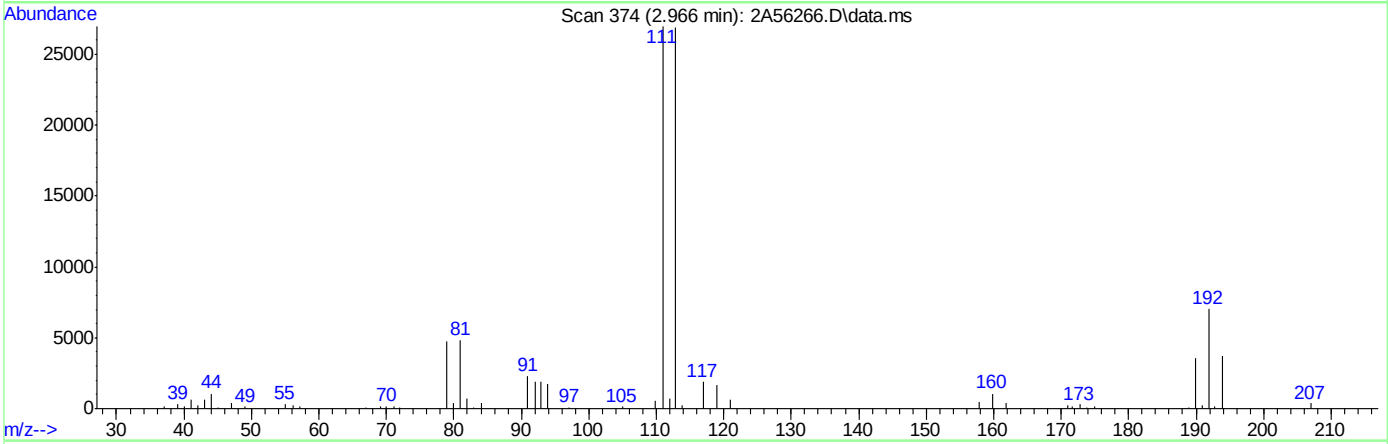
Ion	Exp%	Act%
141.90	100	100
126.90	37.10	67.34#
140.90	14.20	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56266.D
Acq On : 25 Jun 2024 8:07 am
Operator : jeniferw
Sample : IC1910-1
Misc : MS56892,V2A1910,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Jun 25 11:23:15 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56266.D\data.ms

(40) Carbon Tetrachloride ( )

2.966min (+0.008) 1.25ug/L

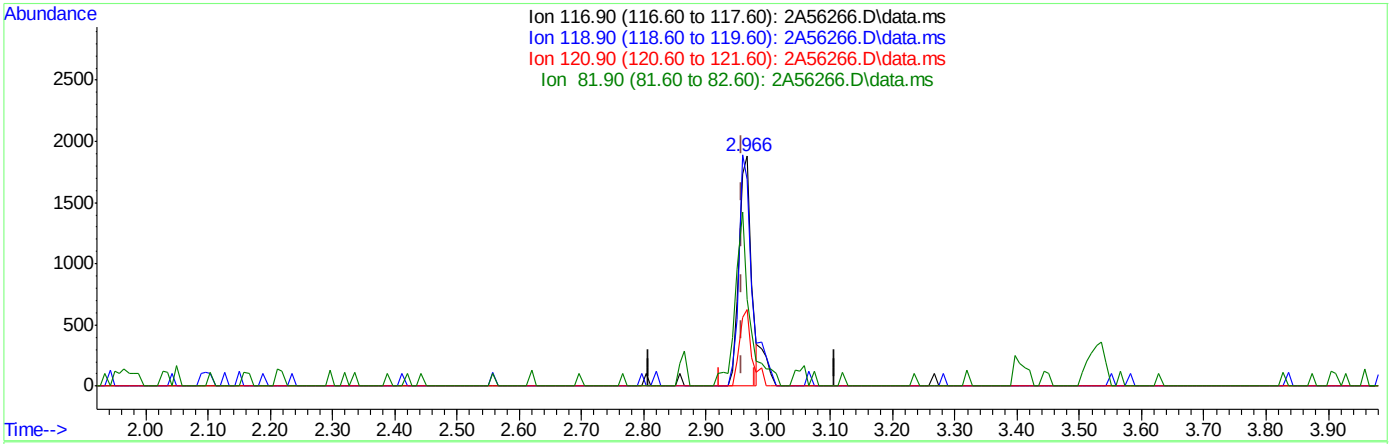
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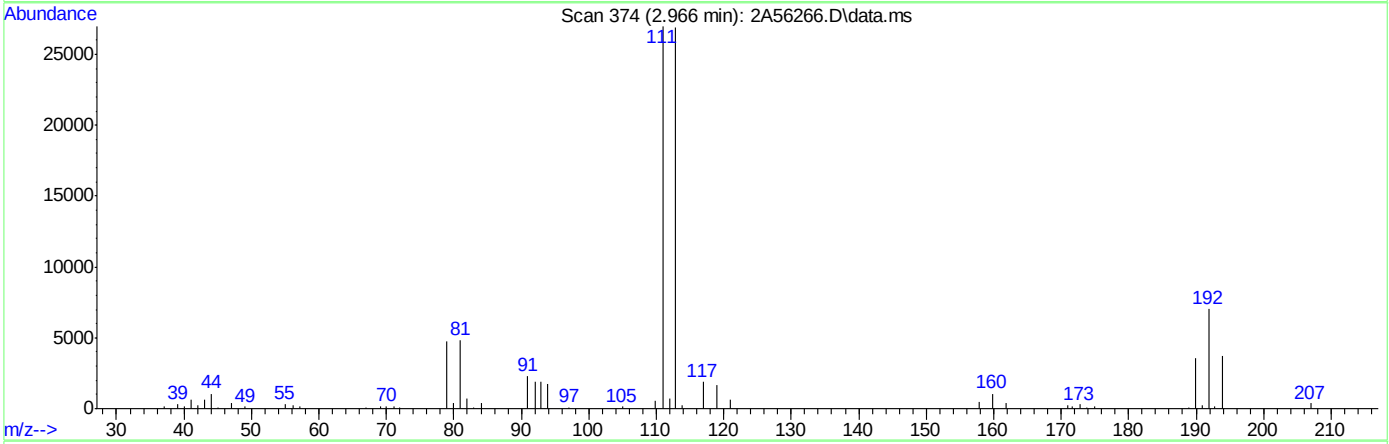
Ion	Exp%	Act%
116.90	100	100
118.90	96.30	89.89
120.90	31.00	33.14
81.90	19.00	37.87

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56266.D
Acq On : 25 Jun 2024 8:07 am
Operator : jeniferw
Sample : IC1910-1
Misc : MS56892,V2A1910,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Jun 25 11:23:15 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56266.D\data.ms

(40) Carbon Tetrachloride ( )

2.966min (+0.008) 1.12ug/L m

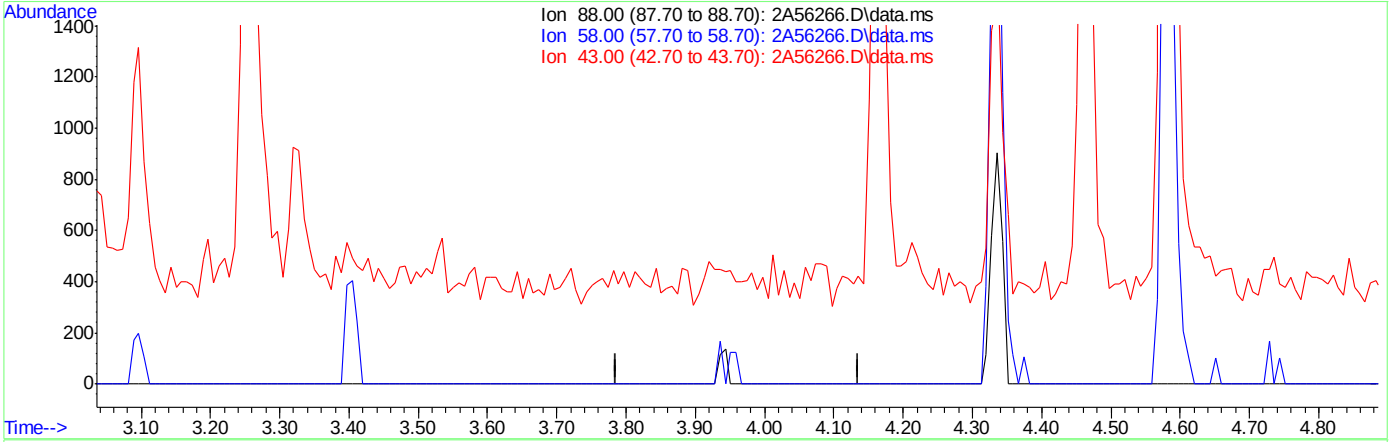
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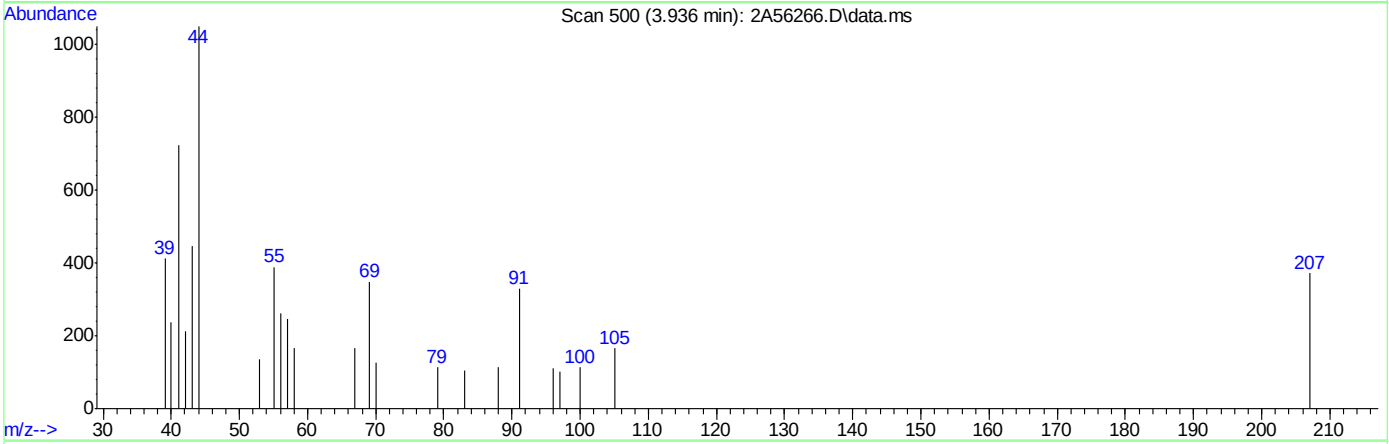
Ion	Exp%	Act%
116.90	100	100
118.90	96.30	89.89
120.90	31.00	33.14
81.90	19.00	37.87

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56266.D
Acq On : 25 Jun 2024 8:07 am
Operator : jeniferw
Sample : IC1910-1
Misc : MS56892,V2A1910,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Jun 25 11:23:15 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56266.D\data.ms

(59) 1,4-Dioxane

3.936min (-3.936) 0.00ug/L

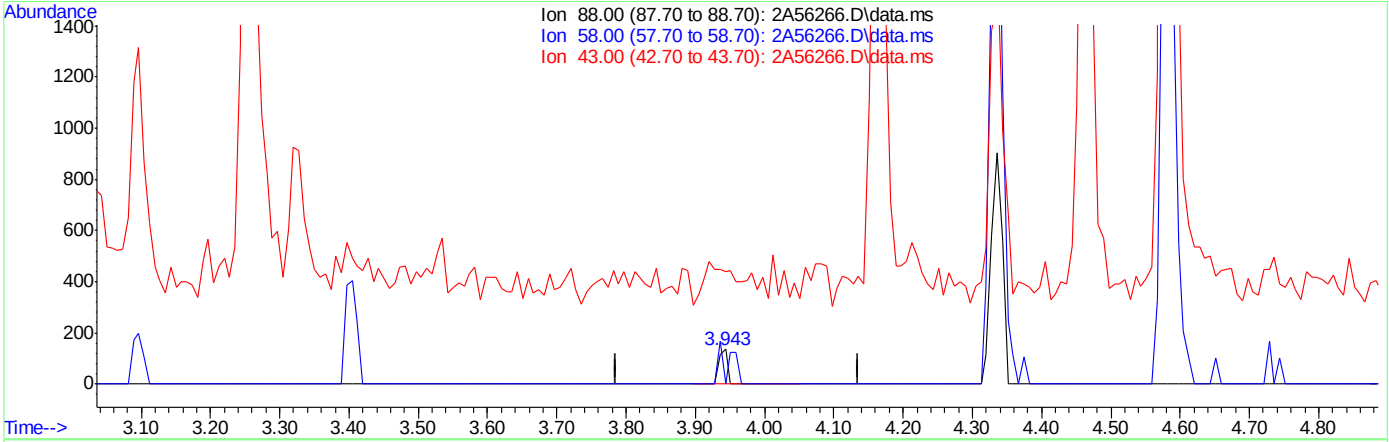
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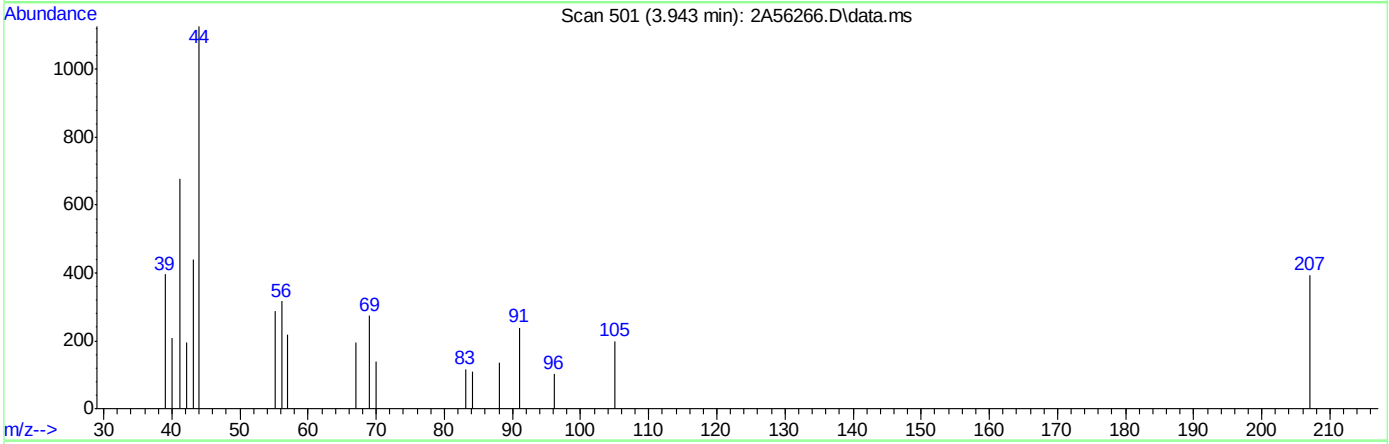
Ion	Exp%	Act%
88.00	100	0.00
58.00	63.50	0.00#
43.00	19.40	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56266.D
Acq On : 25 Jun 2024 8:07 am
Operator : jeniferw
Sample : IC1910-1
Misc : MS56892,V2A1910,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Jun 25 11:23:15 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56266.D\data.ms

(59) 1,4-Dioxane

3.943min (+0.007) 7.43ug/L m

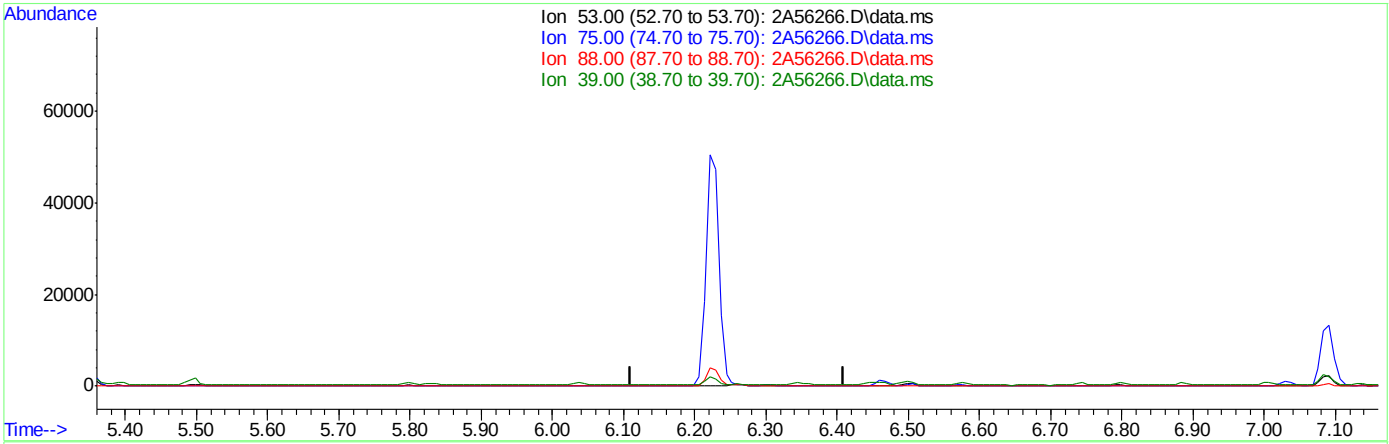
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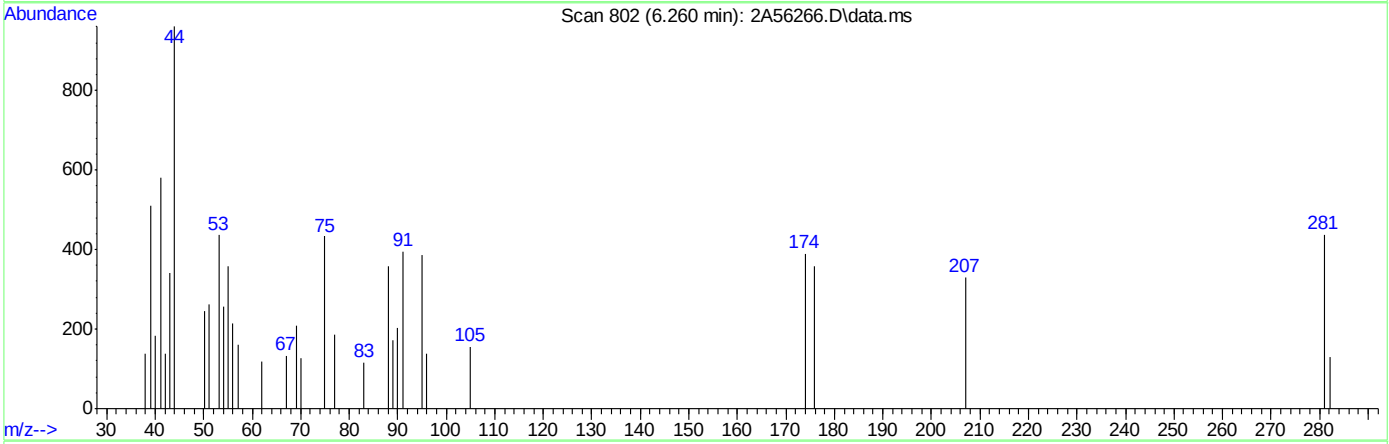
Ion	Exp%	Act%
88.00	100	100
58.00	63.50	0.00#
43.00	19.40	324.26#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56266.D
Acq On : 25 Jun 2024 8:07 am
Operator : jeniferw
Sample : IC1910-1
Misc : MS56892,V2A1910,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Jun 25 11:23:15 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56266.D\data.ms

(87) cis-1,4-Dichloro-2-butene

6.260min (-6.260) 0.00ug/L

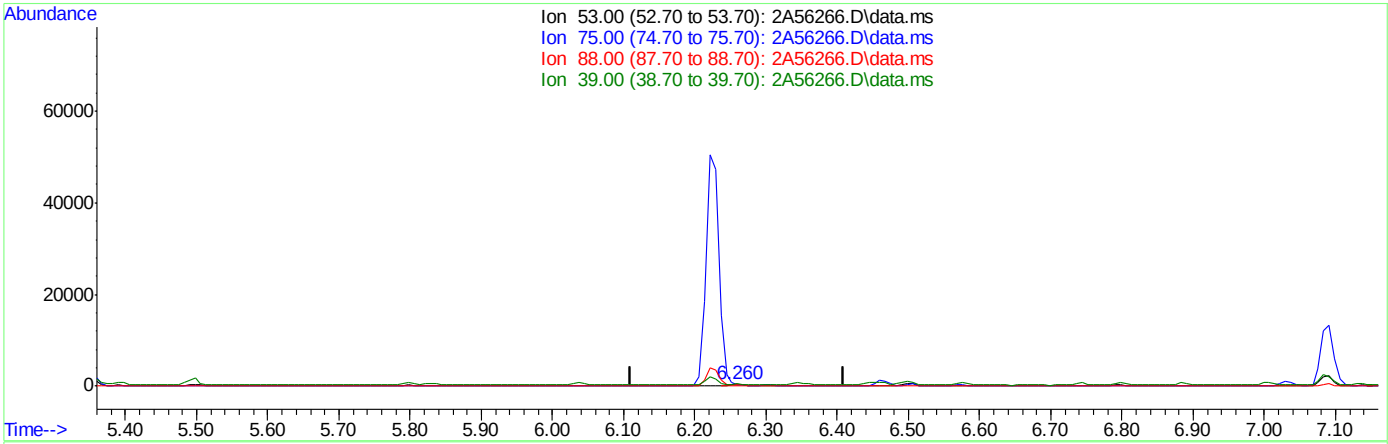
response 0

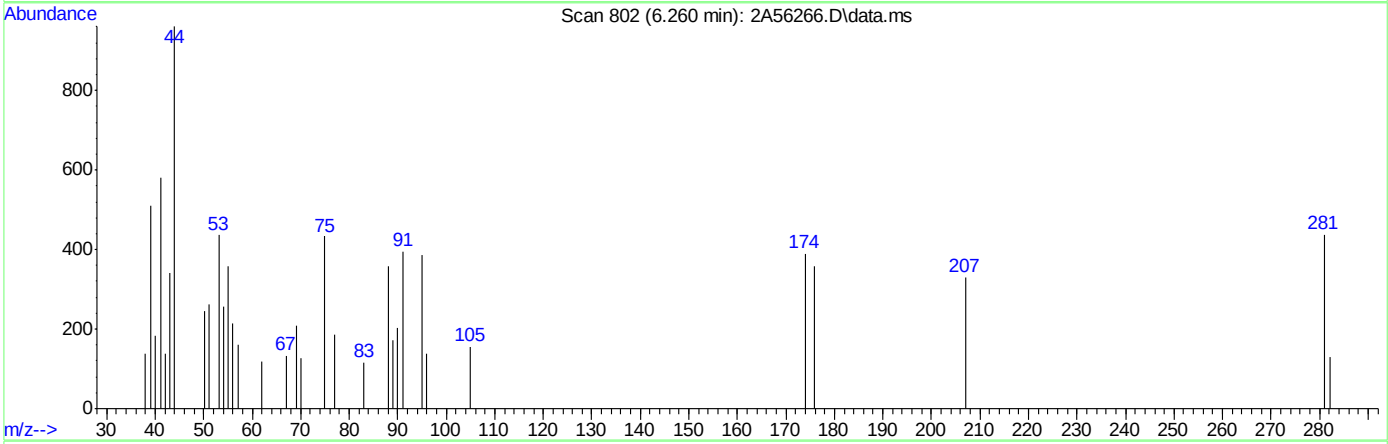
Ion	Exp%	Act%
53.00	100	0.00
75.00	92.30	0.00#
88.00	133.60	0.00#
39.00	36.50	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56266.D
Acq On : 25 Jun 2024 8:07 am
Operator : jeniferw
Sample : IC1910-1
Misc : MS56892,V2A1910,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Jun 25 11:23:15 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56266.D\data.ms

(87) cis-1,4-Dichloro-2-butene

6.260min (-0.000) 1.75ug/L m

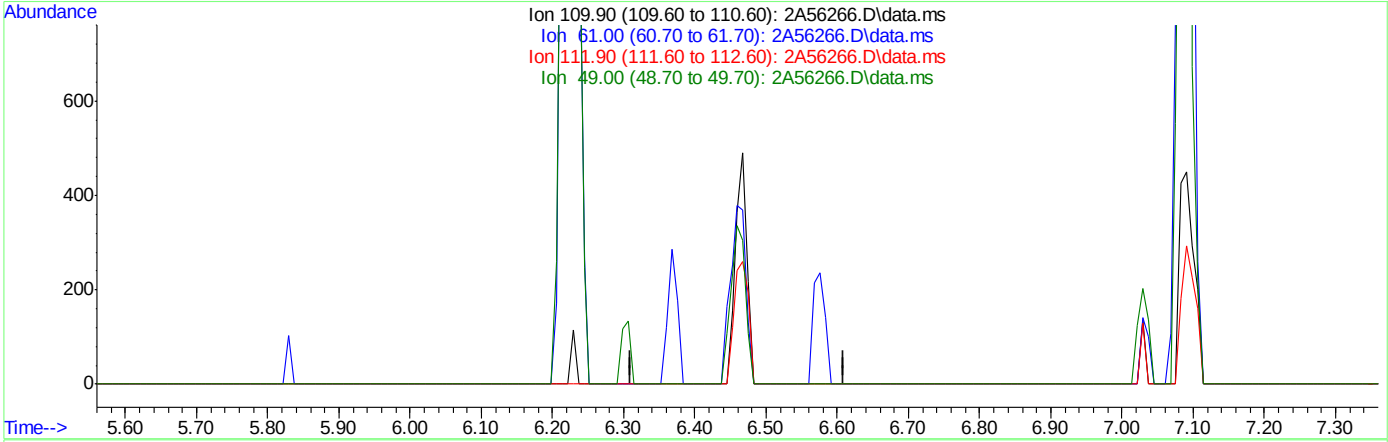
response 677

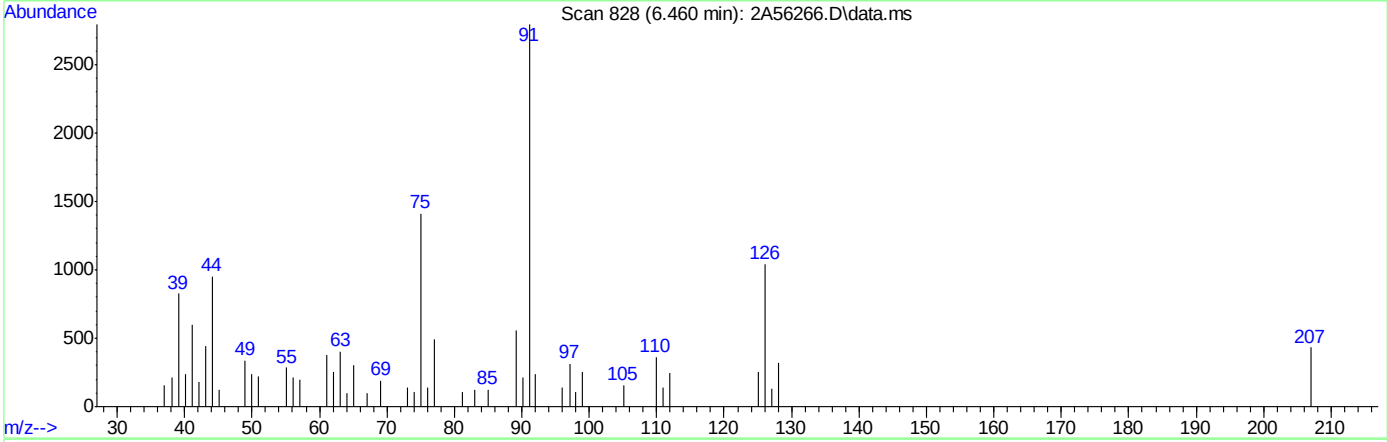
Ion	Exp%	Act%
53.00	100	100
75.00	92.30	99.31
88.00	133.60	82.34#
39.00	36.50	116.74#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56266.D
Acq On : 25 Jun 2024 8:07 am
Operator : jeniferw
Sample : IC1910-1
Misc : MS56892,V2A1910,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Jun 25 11:23:15 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56266.D\data.ms

(94) 1,2,3-Trichloropropane ( )

6.460min (-6.460) 0.00ug/L

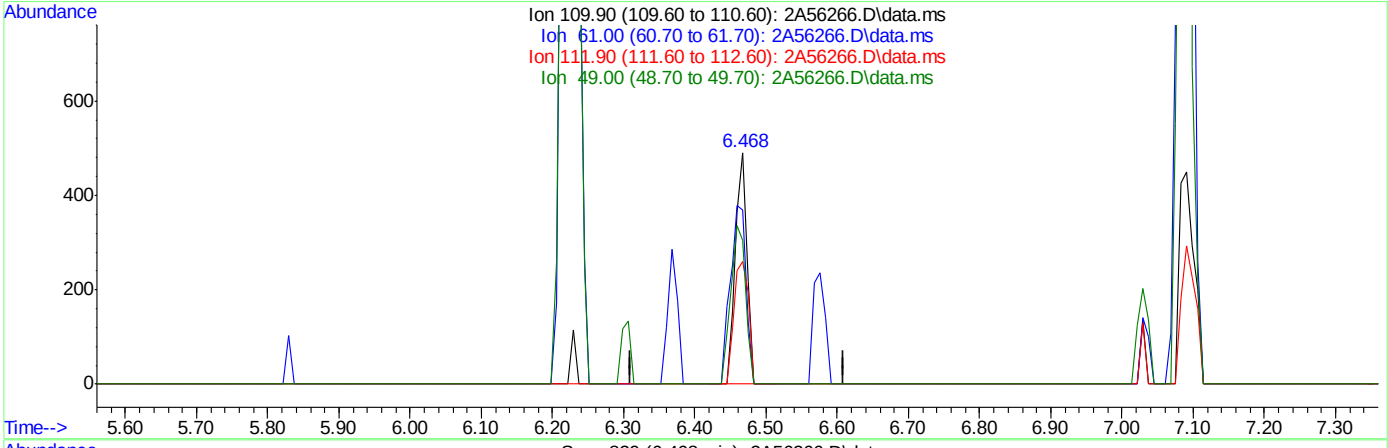
response 0

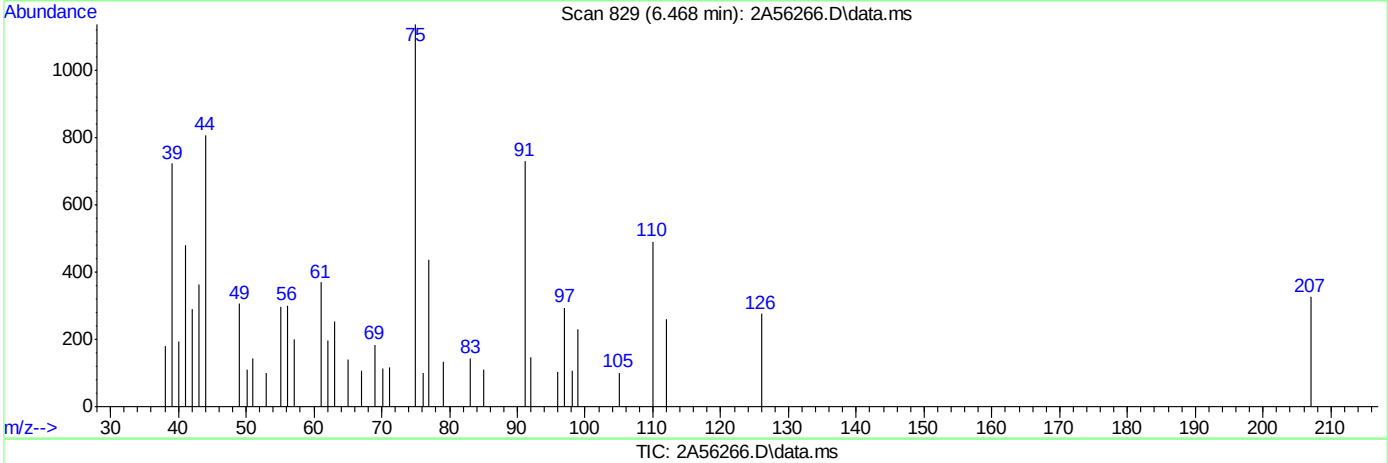
Ion	Exp%	Act%
109.90	100	0.00
61.00	51.70	0.00#
111.90	63.90	0.00#
49.00	36.30	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56266.D
Acq On : 25 Jun 2024 8:07 am
Operator : jeniferw
Sample : IC1910-1
Misc : MS56892,V2A1910,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Jun 25 11:23:15 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56266.D\data.ms

(94) 1,2,3-Trichloropropane ( )

6.468min (+0.008) 1.18ug/L m

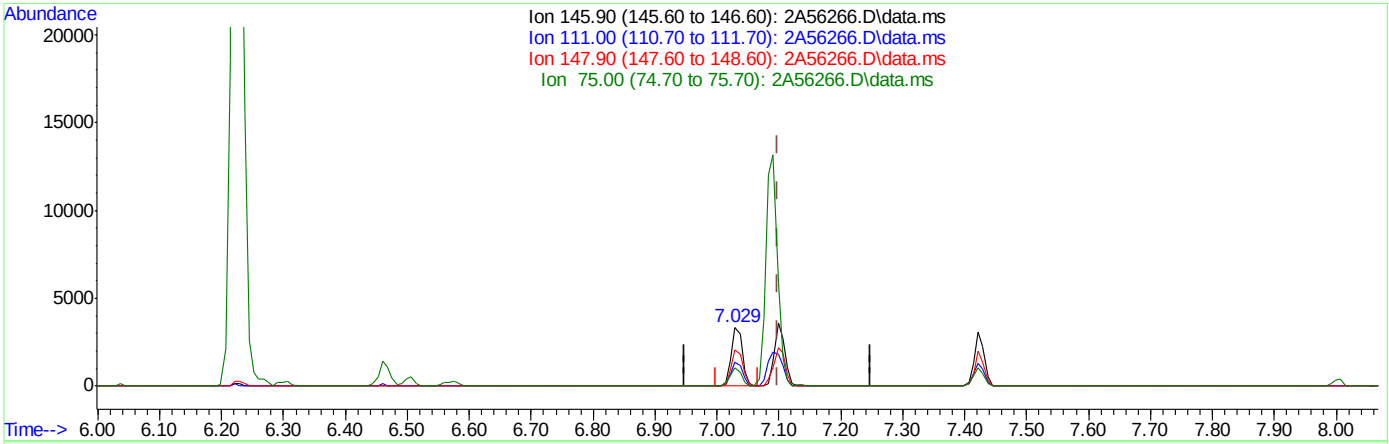
response 567

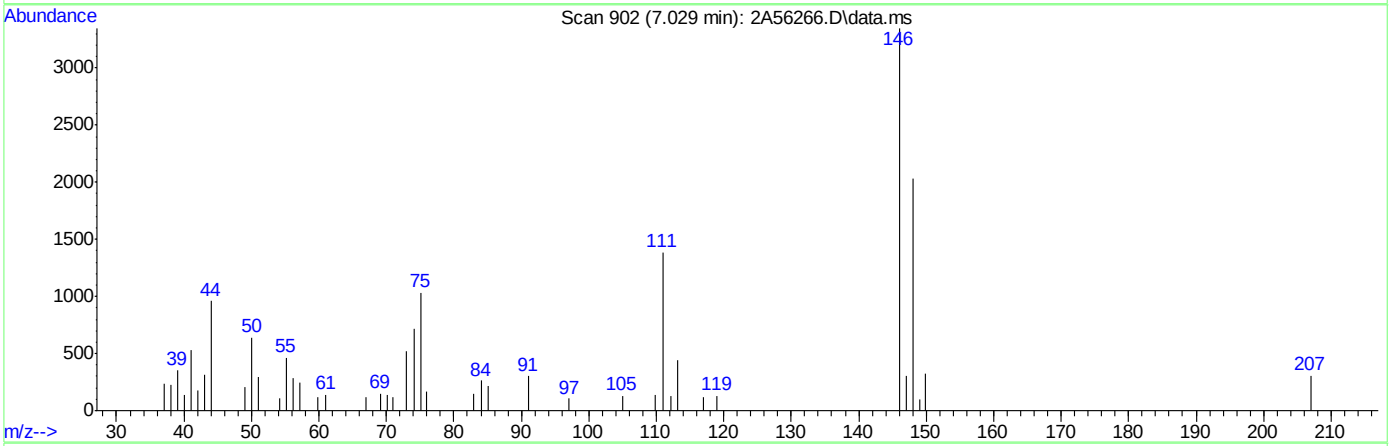
Ion	Exp%	Act%
109.90	100	100
61.00	51.70	75.15
111.90	63.90	53.16
49.00	36.30	62.12

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56266.D
Acq On : 25 Jun 2024 8:07 am
Operator : jeniferw
Sample : IC1910-1
Misc : MS56892,V2A1910,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Jun 25 11:23:15 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56266.D\data.ms

(104) 1,4-Dichlorobenzene

7.029min (-0.070) 1.21ug/L

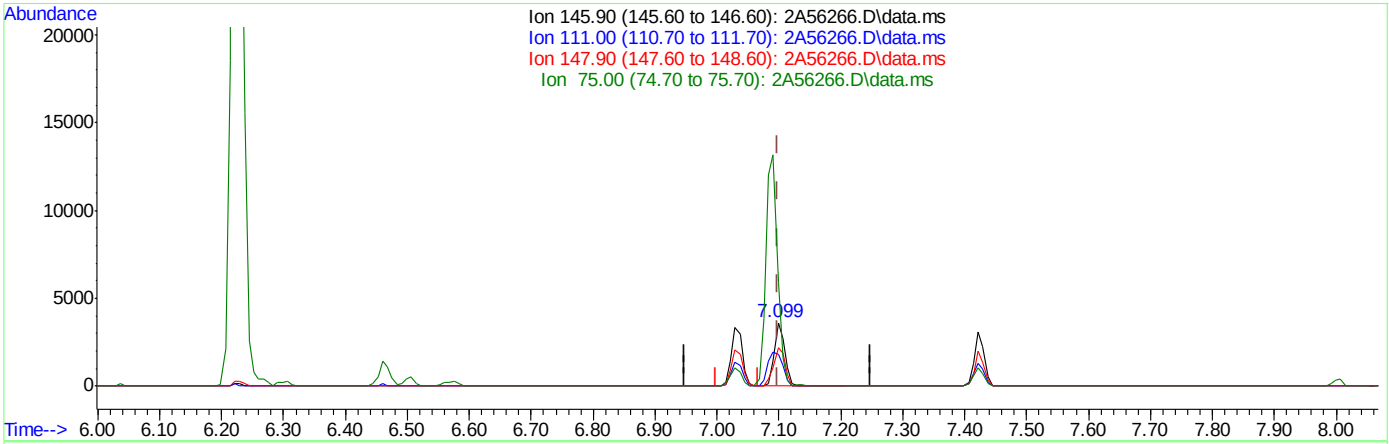
response 4125

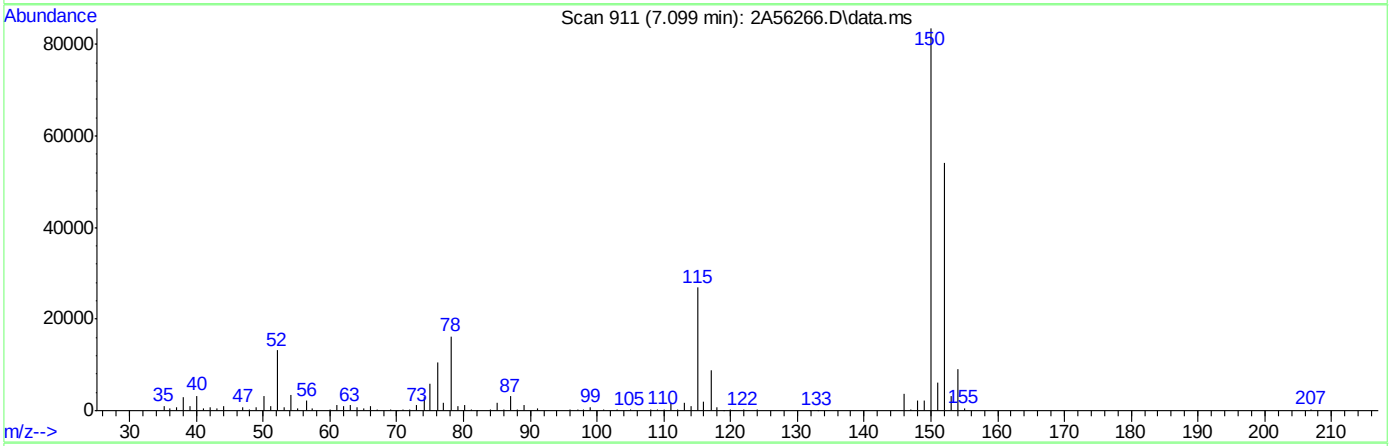
Ion	Exp%	Act%
145.90	100	100
111.00	34.60	41.44
147.90	64.70	60.83
75.00	20.10	30.86

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56266.D
Acq On : 25 Jun 2024 8:07 am
Operator : jeniferw
Sample : IC1910-1
Misc : MS56892,V2A1910,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Jun 25 11:23:15 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56266.D\data.ms

(104) 1,4-Dichlorobenzene

7.099min (-0.000) 1.23ug/L m

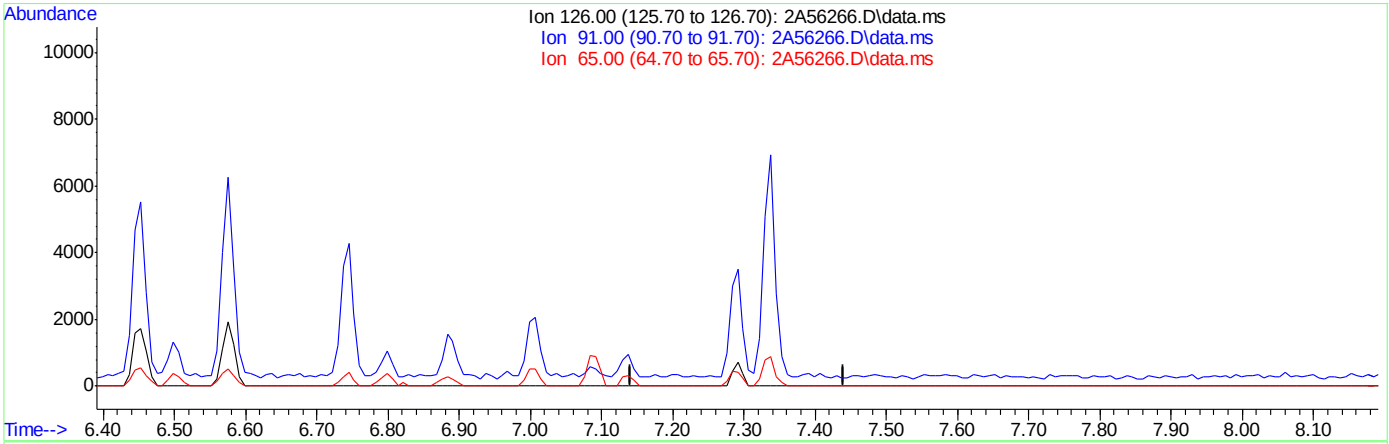
response 4179

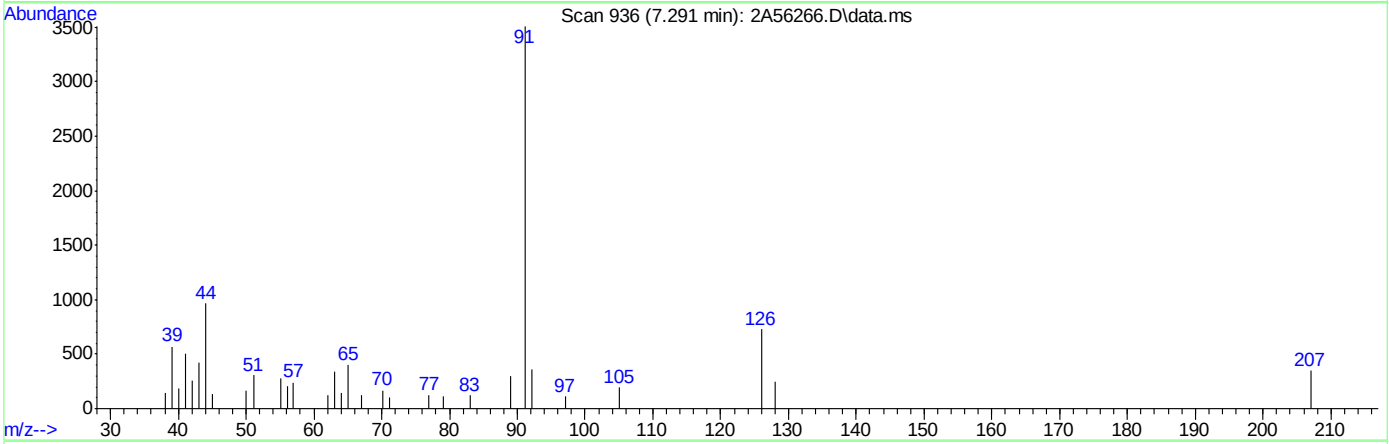
Ion	Exp%	Act%
145.90	100	100
111.00	34.60	50.43
147.90	64.70	60.81
75.00	20.10	162.75#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56266.D
Acq On : 25 Jun 2024 8:07 am
Operator : jeniferw
Sample : IC1910-1
Misc : MS56892,V2A1910,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Jun 25 11:23:15 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56266.D\data.ms

(106) Benzyl Chloride

7.291min (-7.291) 0.00ug/L

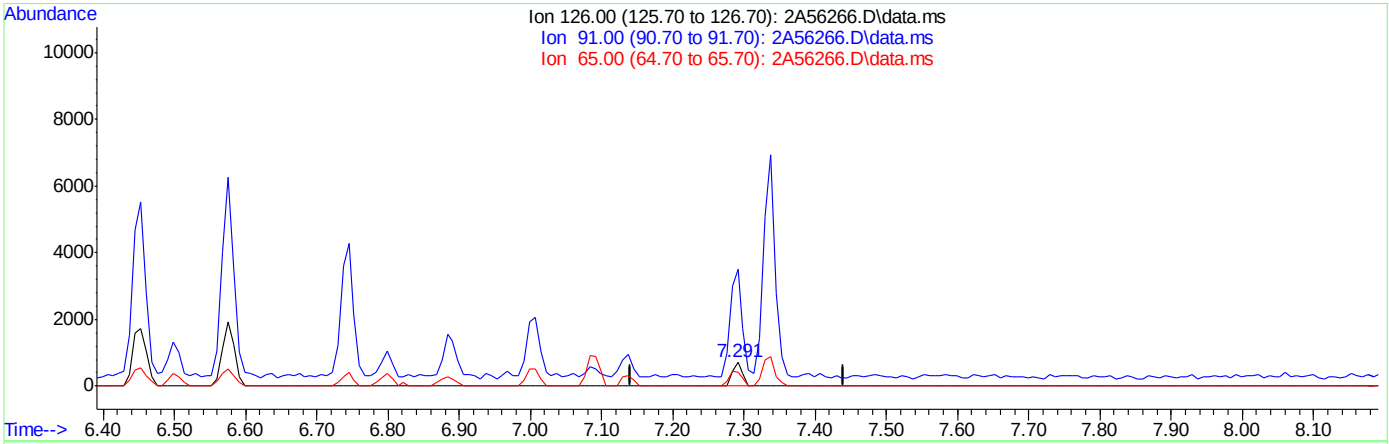
response 0

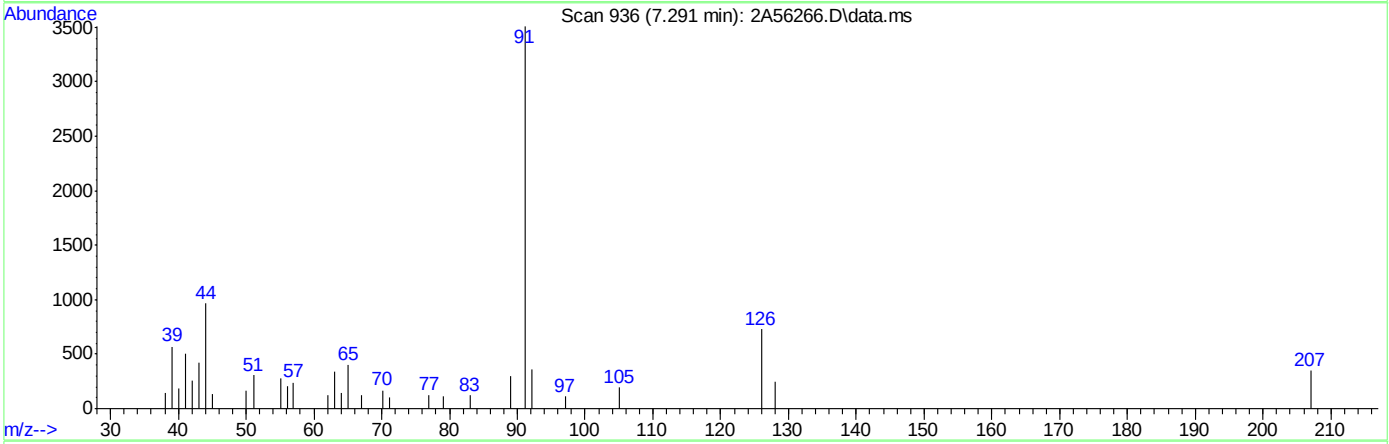
Ion	Exp%	Act%
126.00	100	0.00
91.00	412.40	0.00#
65.00	43.90	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56266.D
Acq On : 25 Jun 2024 8:07 am
Operator : jeniferw
Sample : IC1910-1
Misc : MS56892,V2A1910,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Jun 25 11:23:15 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56266.D\data.ms

(106) Benzyl Chloride

7.291min (+0.000) 1.05ug/L m

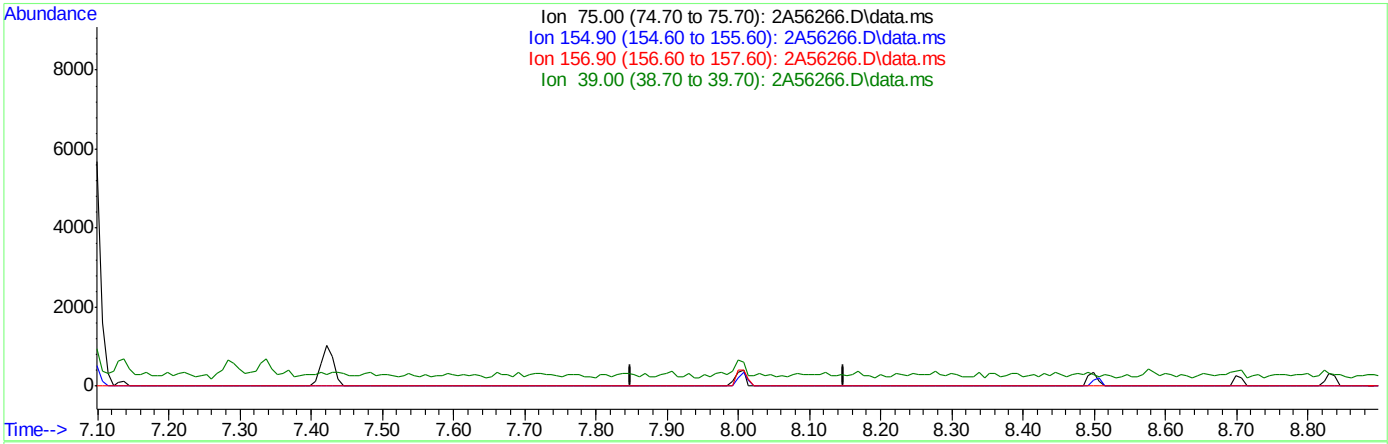
response 719

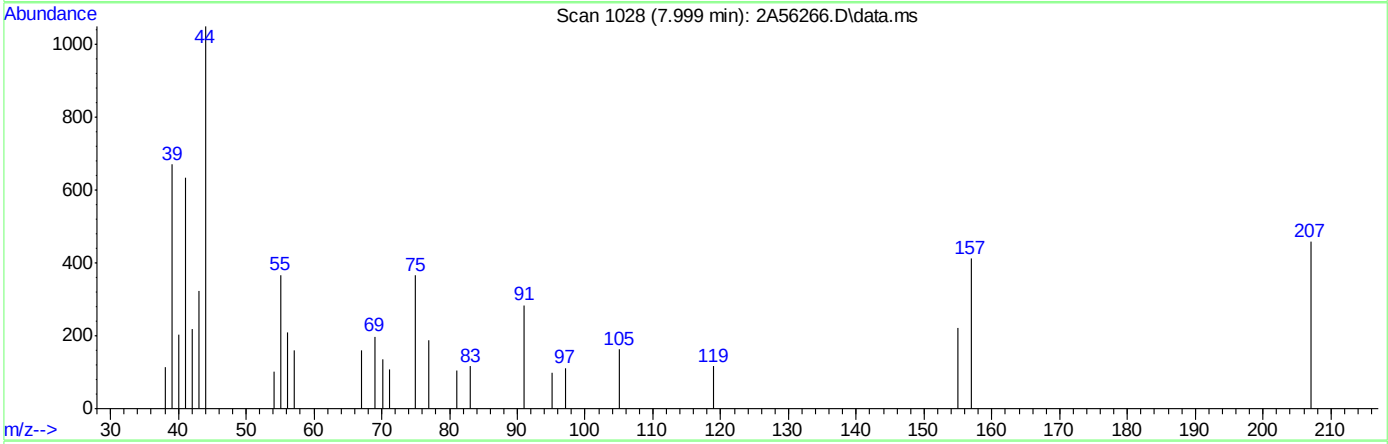
Ion	Exp%	Act%
126.00	100	100
91.00	412.40	480.55#
65.00	43.90	54.79
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56266.D
Acq On : 25 Jun 2024 8:07 am
Operator : jeniferw
Sample : IC1910-1
Misc : MS56892,V2A1910,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Jun 25 11:23:15 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56266.D\data.ms

(108) 1,2-Dibromo-3-Chloropropane

7.999min (-7.999) 0.00ug/L

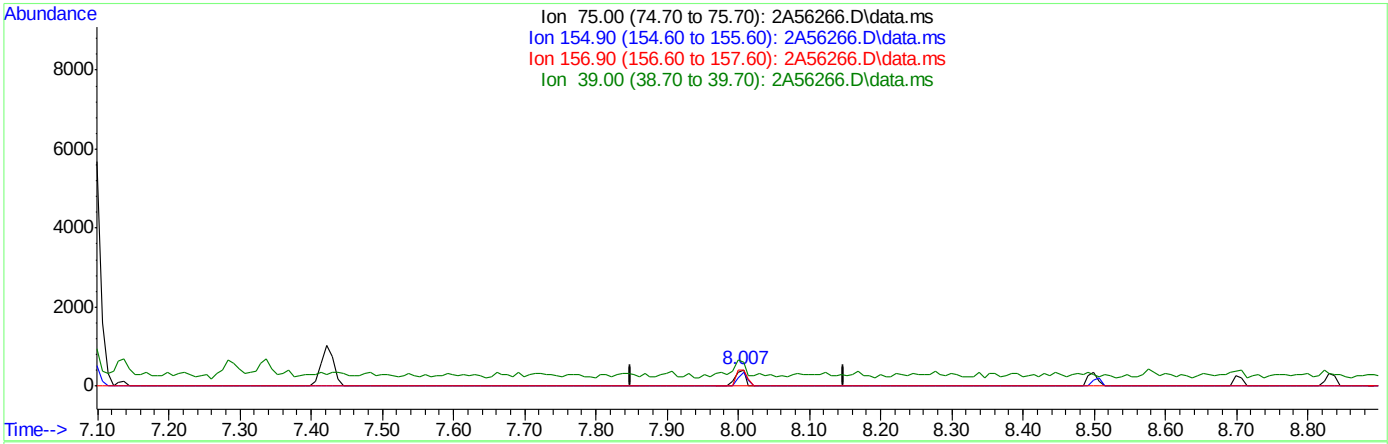
response 0

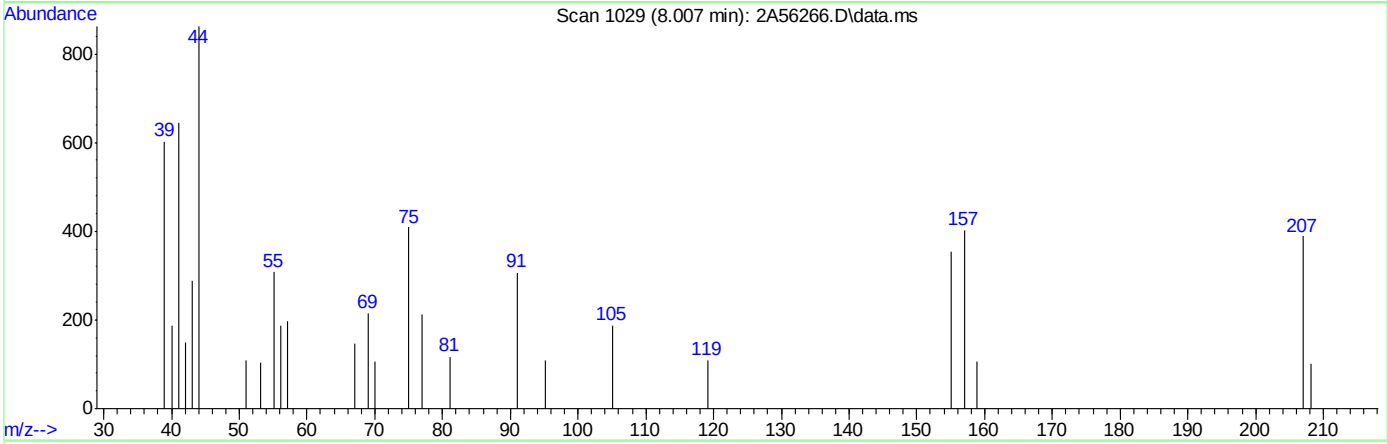
Ion	Exp%	Act%
75.00	100	0.00
154.90	144.40	0.00#
156.90	178.80	0.00#
39.00	47.20	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56266.D
Acq On : 25 Jun 2024 8:07 am
Operator : jeniferw
Sample : IC1910-1
Misc : MS56892,V2A1910,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Jun 25 11:23:15 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56266.D\data.ms

(108) 1,2-Dibromo-3-Chloropropane

8.007min (+0.008) 1.44ug/L m

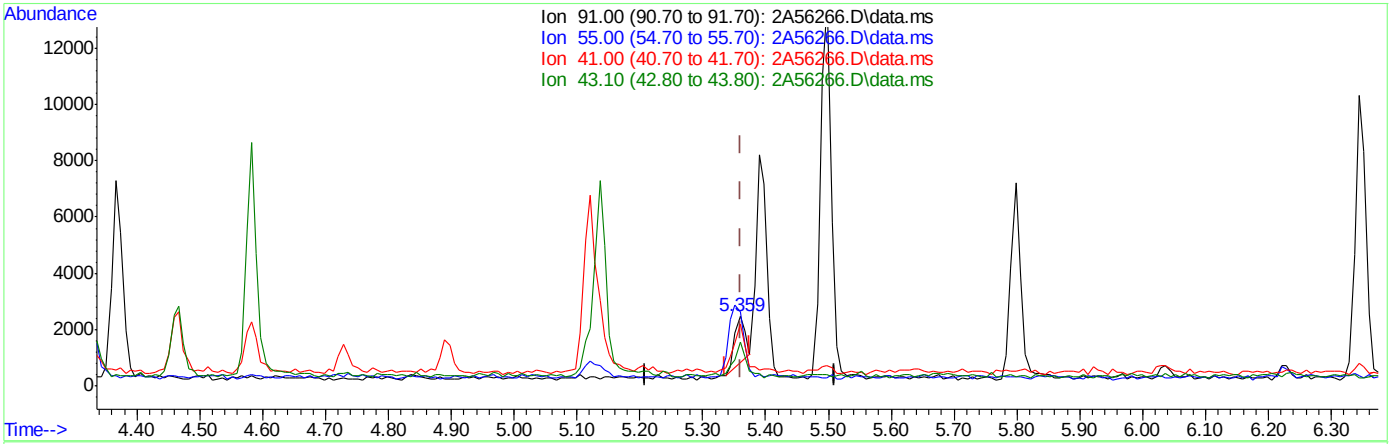
response 421

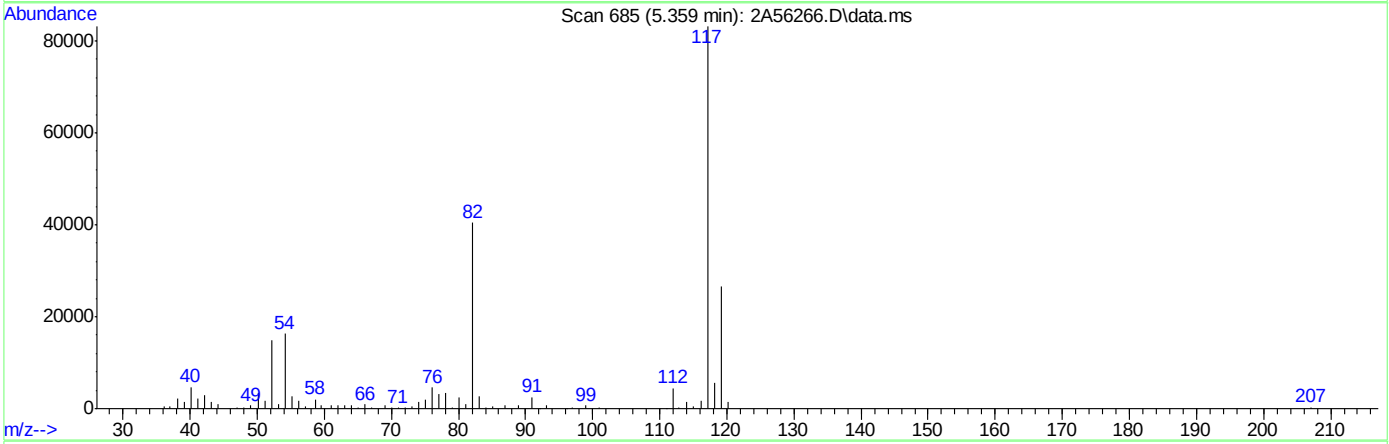
Ion	Exp%	Act%
75.00	100	100
154.90	144.40	86.55#
156.90	178.80	98.29#
39.00	47.20	147.19#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56266.D
Acq On : 25 Jun 2024 8:07 am
Operator : jeniferw
Sample : IC1910-1
Misc : MS56892,V2A1910,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Jun 25 11:42:22 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56266.D\data.ms

(76) 1-Chlorohexane

5.359min (-0.001) 1.01ug/L

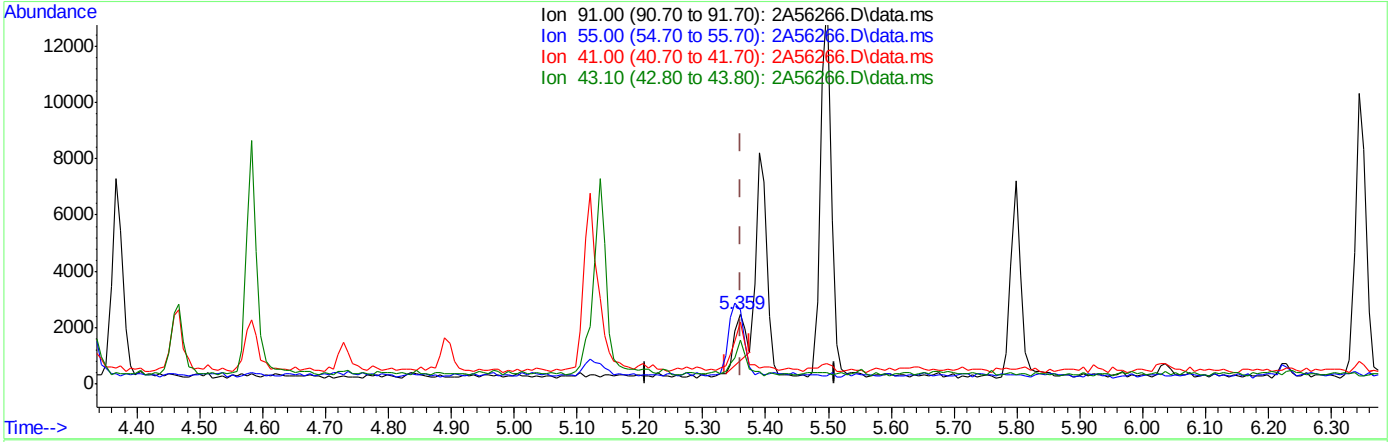
response 2074

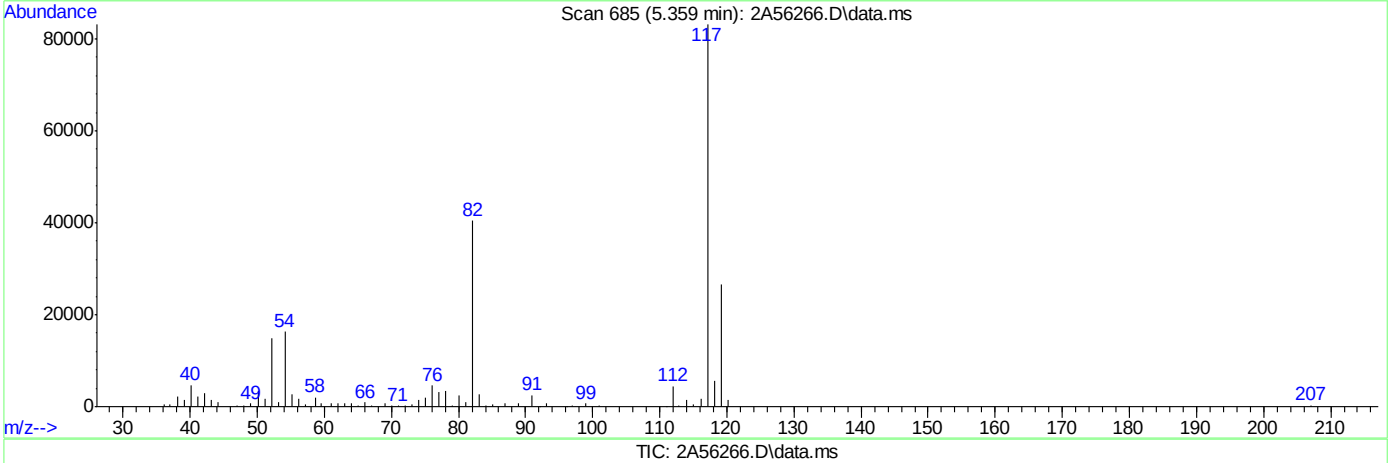
Ion	Exp%	Act%
91.00	100	100
55.00	58.90	96.25#
41.00	39.20	72.27#
43.10	33.20	53.51#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56266.D
Acq On : 25 Jun 2024 8:07 am
Operator : jeniferw
Sample : IC1910-1
Misc : MS56892,V2A1910,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Jun 25 11:42:22 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56266.D\data.ms

(76) 1-Chlorohexane

5.359min (-0.001) 1.01ug/L

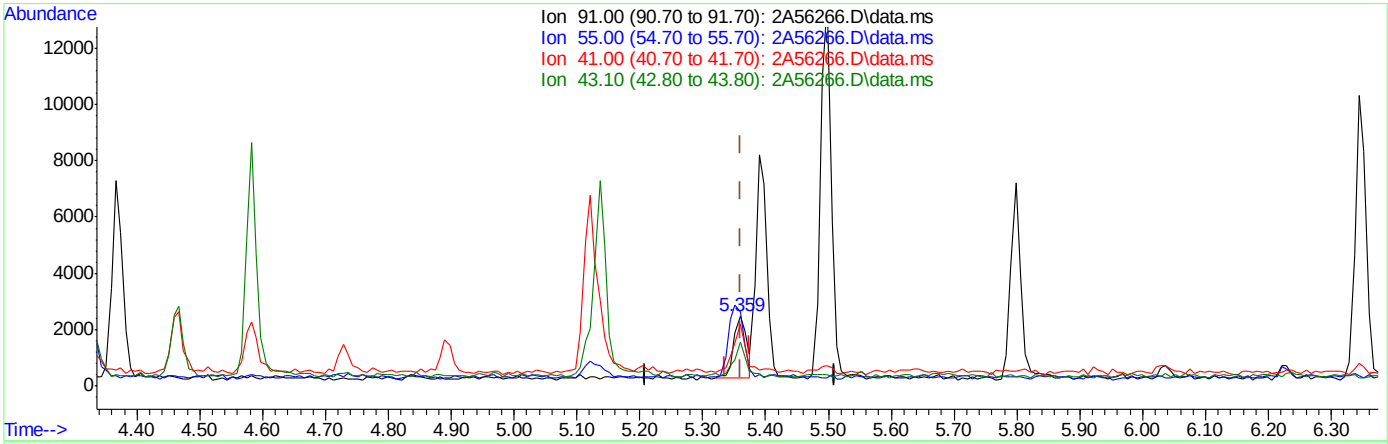
response 2074

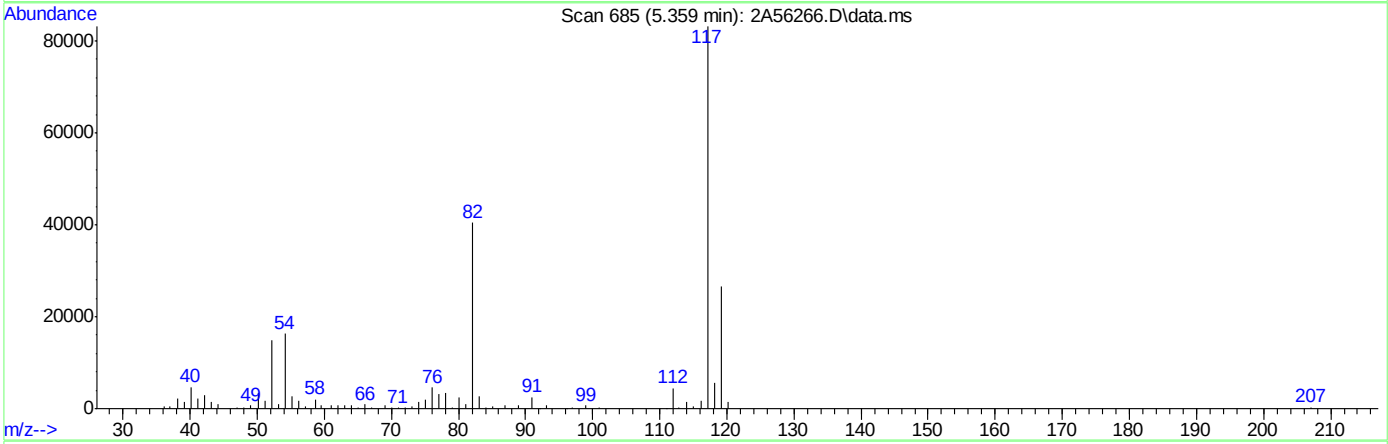
Ion	Exp%	Act%
91.00	100	100
55.00	58.90	96.25#
41.00	39.20	72.27#
43.10	33.20	53.51#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56266.D
Acq On : 25 Jun 2024 8:07 am
Operator : jeniferw
Sample : IC1910-1
Misc : MS56892,V2A1910,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Jun 25 11:42:22 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56266.D\data.ms

(76) 1-Chlorohexane

5.359min (-0.001) 1.58ug/L m

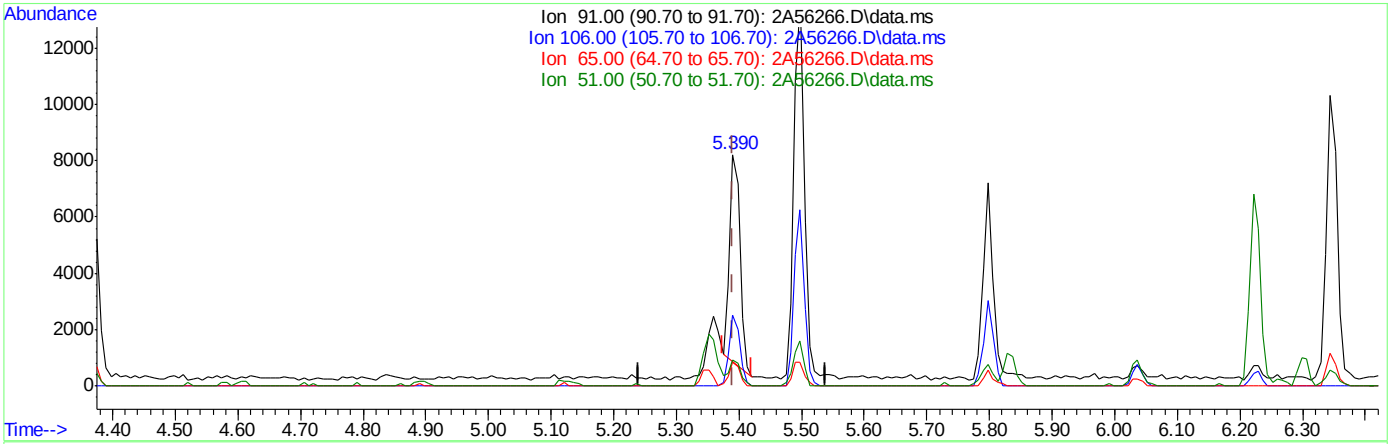
response 3228

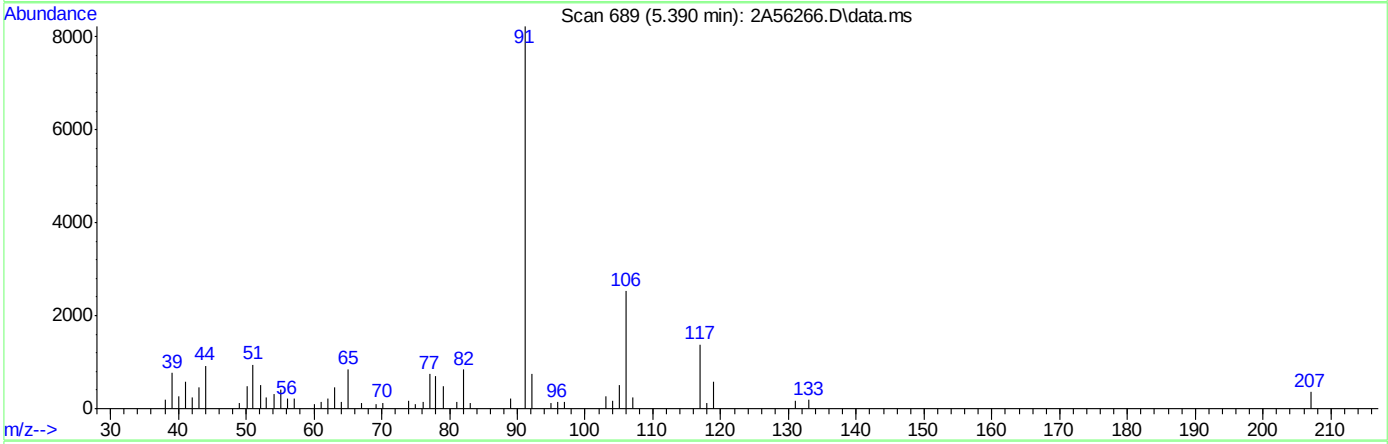
Ion	Exp%	Act%
91.00	100	100
55.00	58.90	105.46#
41.00	39.20	87.64#
43.10	33.20	63.16#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56266.D
Acq On : 25 Jun 2024 8:07 am
Operator : jeniferw
Sample : IC1910-1
Misc : MS56892,V2A1910,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Jun 25 11:42:22 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56266.D\data.ms

(77) Ethylbenzene

5.390min (+0.000) 1.31ug/L

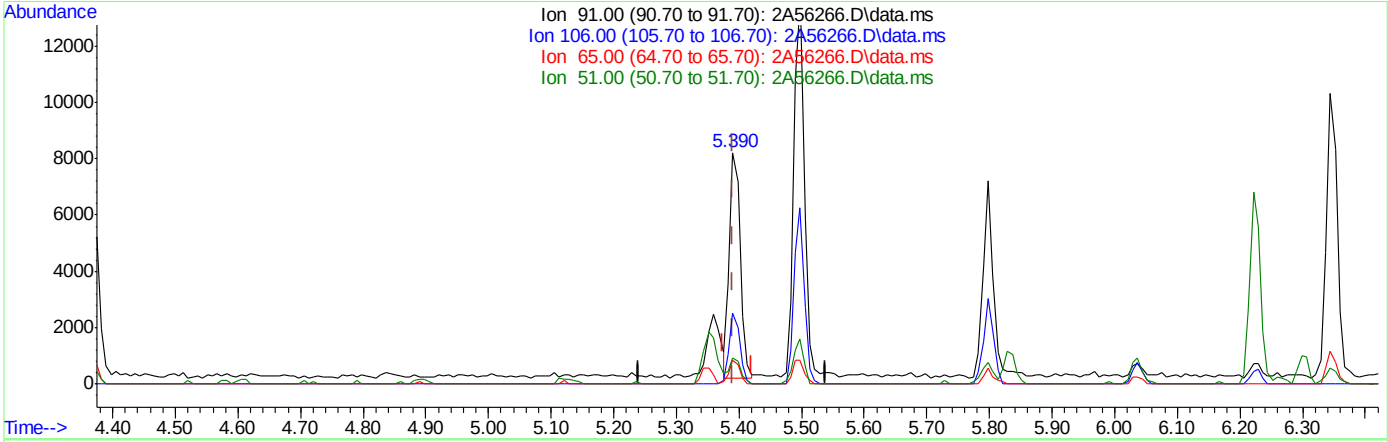
response 8271

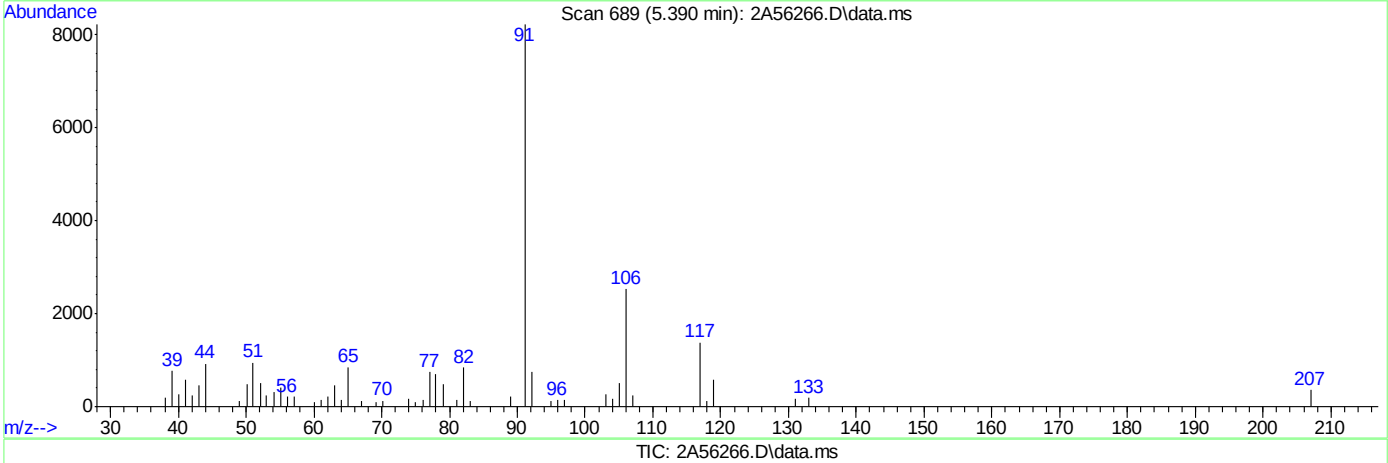
Ion	Exp%	Act%
91.00	100	100
106.00	34.30	32.06
65.00	7.10	10.82
51.00	7.10	12.03

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56266.D
Acq On : 25 Jun 2024 8:07 am
Operator : jeniferw
Sample : IC1910-1
Misc : MS56892,V2A1910,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Jun 25 11:42:22 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56266.D\data.ms

(77) Ethylbenzene

5.390min (+0.000) 1.54ug/L m

response 9767

Ion	Exp%	Act%
91.00	100	100
106.00	34.30	30.72
65.00	7.10	10.37
51.00	7.10	11.52

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
06/26/24 07:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56268.D
Acq On : 25 Jun 2024 8:39 am
Operator : jeniferw
Sample : IC1910-8
Misc : MS56892,V2A1910,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Jun 25 11:45:10 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	3.404	96	287478	50.00	ug/L		0.00
62) Chlorobenzene-d5	5.352	117	222801	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	7.091	152	128724	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	2.958	113	85294	49.90	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.80%				
49) 1,2-Dichloroethane-d4	3.235	65	99965	63.08	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 126.16%#				
63) Toluene-d8	4.336	98	298540	53.52	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 107.04%				
86) 4-Bromofluorobenzene	6.229	174	102033	49.70	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.40%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.026	85	2902	1.98	ug/L		97
3) Chloromethane	1.134	50	3919	2.98	ug/L		99
4) 1,3-butadiene	1.188	39	6289	8.71	ug/L	#	73
5) Vinyl Chloride	1.180	62	3678	3.45	ug/L		99
6) Bromomethane	1.349	94	1858	4.21	ug/L		89
7) Chloroethane	1.419	64	2415	4.09	ug/L		95
8) Trichlorofluoromethane	1.503	101	4459	2.39	ug/L		100
9) Ethyl Ether	1.657	59	2436	2.92	ug/L		91
11) 1,2-Dichlorotrifluoroe...	1.750	67	3507	3.96	ug/L		92
12) 1,1-Dichloroethene	1.765	61	4760	2.93	ug/L		89
13) Freon 113	1.788	101	2553	1.85	ug/L	#	82
14) Carbon Disulfide	1.788	76	9757	2.65	ug/L		89
15) Iodomethane	1.834	142	1075	1.28	ug/L		81
16) Acrolein	1.911	56	2826	12.60	ug/L		100
17) Allyl chloride	1.996	41	5065	4.01	ug/L		84
18) Methylene Chloride	2.050	49	6447	4.86	ug/L	#	74
19) Acetone	2.050	43	6031	17.32	ug/L		78
20) Methyl acetate	2.127	43	14007	15.32	ug/L		87
21) trans-1,2-Dichloroethene	2.142	61	4929	3.08	ug/L		80
22) Hexane	2.196	56	2547	2.33	ug/L	#	81
23) Methyl Tert Butyl Ether	2.196	73	8018	2.48	ug/L		86
24) Acetonitrile	2.273	41	4726	35.05	ug/L		93
25) Tert Butyl Alcohol	2.211	59	4579	26.79	ug/L	#	40
26) Di-isopropyl ether	2.396	45	9546	3.72	ug/L		85
27) Chloroprene	2.442	53	12348	3.06	ug/L		93
28) 1,1-Dichloroethane	2.442	63	6335	2.99	ug/L		96
29) Acrylonitrile	2.442	52	7140	14.91	ug/L		96
30) ETBE	2.581	59	8483	2.74	ug/L		92
31) Vinyl acetate	2.565	43	33225	18.40	ug/L		98
32) cis-1,2-Dichloroethene	2.719	96	3773	2.42	ug/L	#	80
33) 2,2-Dichloropropane	2.781	77	5245	3.14	ug/L		97
34) Bromochloromethane	2.819	128	1762	1.96	ug/L	#	55
35) Cyclohexane	2.858	56	5289	2.79	ug/L	#	80
36) Chloroform	2.858	83	6538	2.69	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56268.D
Acq On : 25 Jun 2024 8:39 am
Operator : jeniferw
Sample : IC1910-8
Misc : MS56892,V2A1910,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Jun 25 11:45:10 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) Ethyl acetate	2.912	43	18029	17.20	ug/L		89
38) Tetrahydrofuran	2.950	42	1278m	3.08	ug/L		
40) Carbon Tetrachloride	2.958	117	4617m	2.07	ug/L		
41) 1,1,1-Trichloroethane	2.989	97	5600	2.54	ug/L		89
42) 2-Butanone	3.004	43	8888	15.78	ug/L		83
43) 1,1-Dichloropropene	3.050	75	4107	2.61	ug/L		80
44) tert-Butyl formate	3.097	59	10750	11.78	ug/L		94
45) Propionitrile	3.143	54	5700	26.60	ug/L		90
46) Methacrylonitrile	3.166	41	21629	33.43	ug/L		93
47) Benzene	3.181	78	12398	2.48	ug/L		90
48) TAME	3.250	73	7479	2.50	ug/L		86
50) 1,2-Dichloroethane	3.274	62	4441	2.76	ug/L		93
51) Isobutyl Alcohol	3.258	43	6136	67.53	ug/L		92
52) Tert Amyl Alcohol	3.320	59	3567	26.24	ug/L		93
53) Trichloroethene	3.512	95	3753	2.56	ug/L		95
54) Methylcyclohexane	3.528	83	5116	2.20	ug/L		85
55) Dibromomethane	3.735	93	2116	2.41	ug/L		86
56) 1,2-Dichloropropane	3.789	63	3241	2.92	ug/L		84
57) Bromodichloromethane	3.828	83	4514	2.64	ug/L	#	94
58) Methyl methacrylate	3.920	41	2958	3.77	ug/L	#	66
59) 1,4-Dioxane	3.935	88	492m	32.60	ug/L		
60) 2-Chloroethyl vinyl ether	4.166	63	10342	14.74	ug/L		81
61) cis-1,3-Dichloropropene	4.205	75	4725	2.60	ug/L		83
64) Toluene	4.366	91	14135	2.60	ug/L		99
65) 2-Nitropropane	4.466	41	5388	19.67	ug/L		92
66) 4-Methyl-2-pentanone	4.582	43	19672	19.31	ug/L		85
67) trans-1,3-Dichloropropene	4.613	75	4076	2.55	ug/L		80
68) Tetrachloroethene	4.628	166	3468	1.76	ug/L		90
69) Ethyl methacrylate	4.728	69	3997	2.94	ug/L	#	74
70) 1,1,2-Trichloroethane	4.713	83	2490	2.72	ug/L		87
71) Dibromochloromethane	4.836	129	2890	1.89	ug/L		97
72) 1,3-Dichloropropane	4.890	76	4161	2.47	ug/L		70
73) 1,2-Dibromoethane	4.990	107	2919	2.19	ug/L		96
74) 3,3-Dimethyl-1-Butanol	5.121	57	24586	158.28	ug/L		91
75) 2-hexanone	5.136	43	19244	19.23	ug/L		73
76) 1-Chlorohexane	5.359	91	5441m	2.77	ug/L		
77) Ethylbenzene	5.390	91	16509m	2.72	ug/L		
78) Chlorobenzene	5.359	112	9037	2.31	ug/L		78
79) 1,1,1,2-Tetrachloroethane	5.405	131	2996	2.09	ug/L		96
80) m,p-Xylene	5.498	91	26698	5.37	ug/L		93
81) o-Xylene	5.798	91	14141	2.79	ug/L		94
82) Styrene	5.829	104	9899	2.54	ug/L		84
83) Bromoform	5.836	173	1993	1.61	ug/L		94
84) Isopropylbenzene	6.037	105	17211	2.65	ug/L		95
87) cis-1,4-Dichloro-2-butene	6.260	53	1177	3.14	ug/L	#	70
88) n-Propylbenzene	6.344	91	20308	3.26	ug/L		86
89) Bromobenzene	6.298	156	3834	2.31	ug/L	#	65
90) 1,1,2,2-Tetrachloroethane	6.367	83	4366	3.10	ug/L		91
91) 1,3,5-Trimethylbenzene	6.498	105	14211	3.01	ug/L		95
92) 2-Chlorotoluene	6.452	91	11384	3.15	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56268.D
Acq On : 25 Jun 2024 8:39 am
Operator : jeniferw
Sample : IC1910-8
Misc : MS56892,V2A1910,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Jun 25 11:45:10 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration

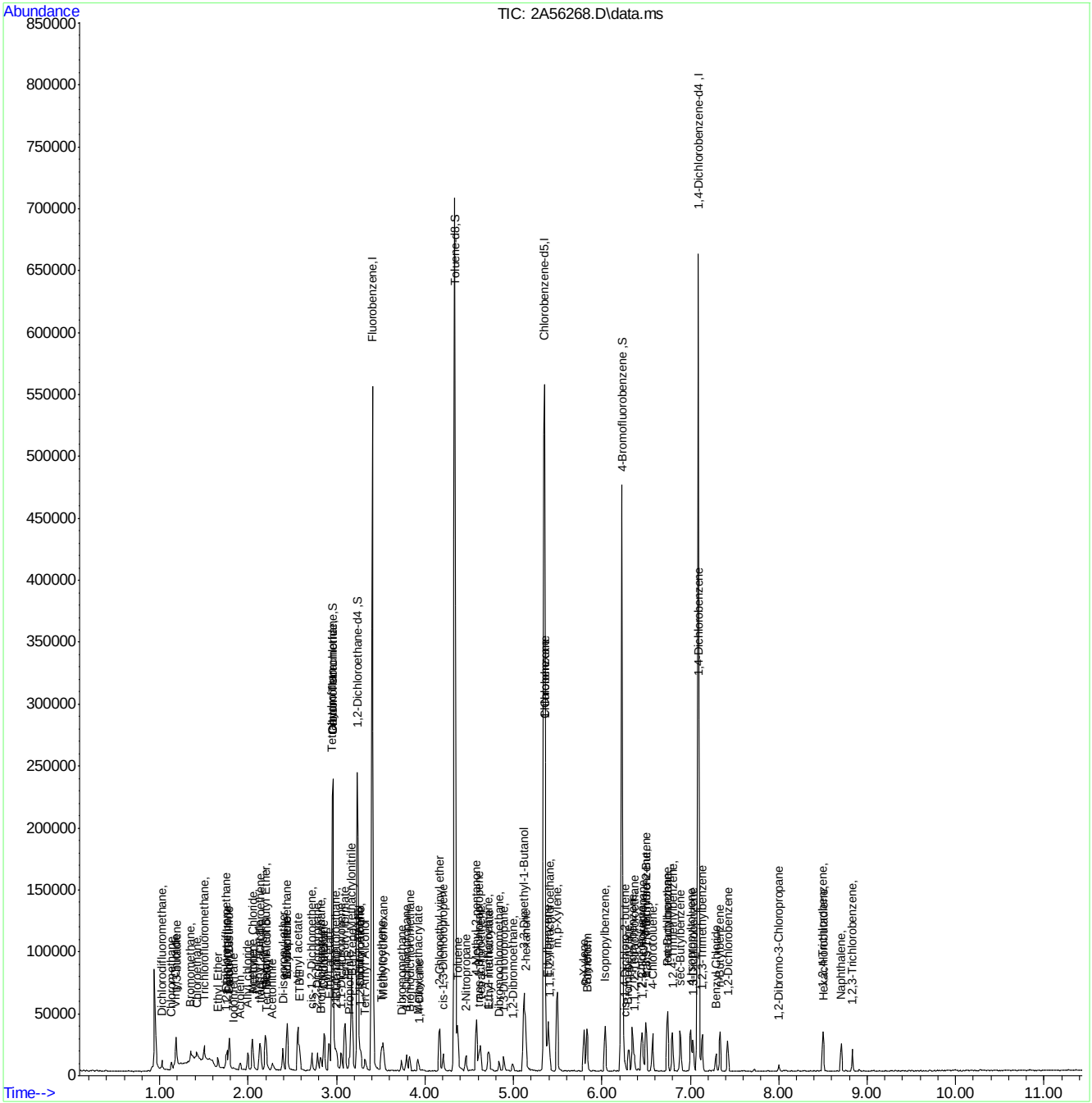
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93)	trans-1,4-Dichloro-2-B...	6.498	53	1400	3.17	ug/L	#	53
94)	1,2,3-Trichloropropane	6.460	110	1084m	2.33	ug/L		
96)	4-Chlorotoluene	6.575	91	12262	3.19	ug/L		89
97)	tert-Butylbenzene	6.745	91	8454	3.31	ug/L		85
98)	1,2,4-Trimethylbenzene	6.798	105	12528	2.51	ug/L		94
99)	Pentachloroethane	6.745	167	1874	1.89	ug/L	#	44
100)	sec-Butylbenzene	6.883	105	17057	2.80	ug/L		94
101)	4-Isopropyltoluene	7.006	119	14794	2.83	ug/L		95
102)	1,3-Dichlorobenzene	7.029	146	7410	2.26	ug/L		86
103)	1,2,3-Trimethylbenzene	7.137	105	12516	2.72	ug/L		98
104)	1,4-Dichlorobenzene	7.099	146	7262m	2.20	ug/L		
105)	n-Butylbenzene	7.337	92	7013	2.98	ug/L		92
106)	Benzyl Chloride	7.291	126	1473m	2.22	ug/L		
107)	1,2-Dichlorobenzene	7.422	146	6556	2.26	ug/L		89
108)	1,2-Dibromo-3-Chloropr...	7.999	75	920m	3.25	ug/L		
109)	Hexachlorobutadiene	8.507	225	1982	1.93	ug/L		88
110)	1,2,4-Trichlorobenzene	8.499	180	3883	2.02	ug/L		95
111)	Naphthalene	8.707	128	10638	2.51	ug/L		98
112)	1,2,3-Trichlorobenzene	8.830	180	3637	2.04	ug/L		91

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56268.D
Acq On : 25 Jun 2024 8:39 am
Operator : jeniferw
Sample : IC1910-8
Misc : MS56892,V2A1910,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Jun 25 11:45:10 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration



Manual Integration Approval Summary

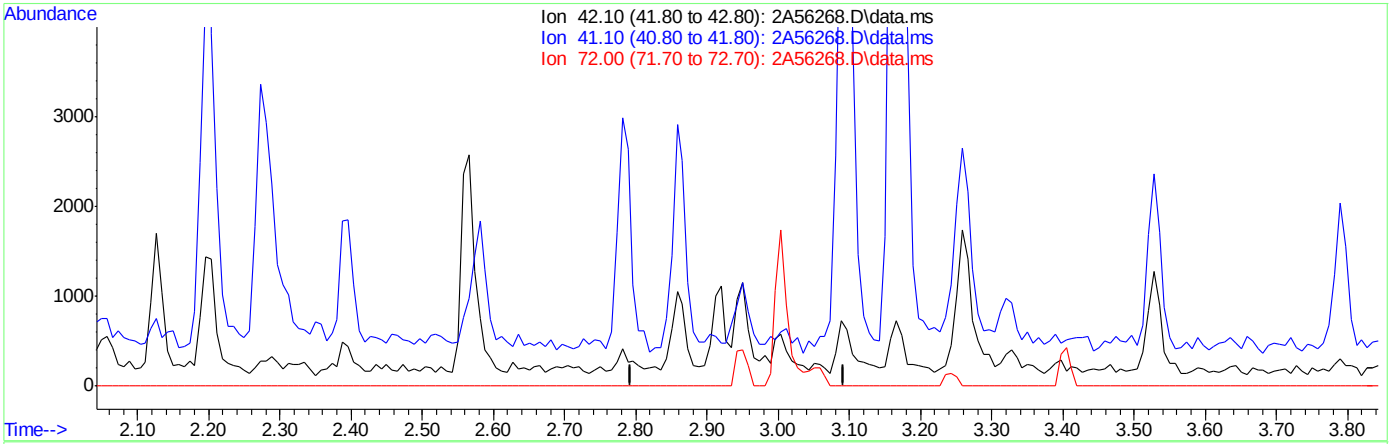
Sample Number: V2A1910-IC1910
Lab FileID: 2A56268.D
Injection Time: 06/25/24 08:39
Method: SW846 8260D
Analyst approved: 06/25/24 13:54 Jenifer Willis
Supervisor approved: 06/26/24 07:53 Karen Watson

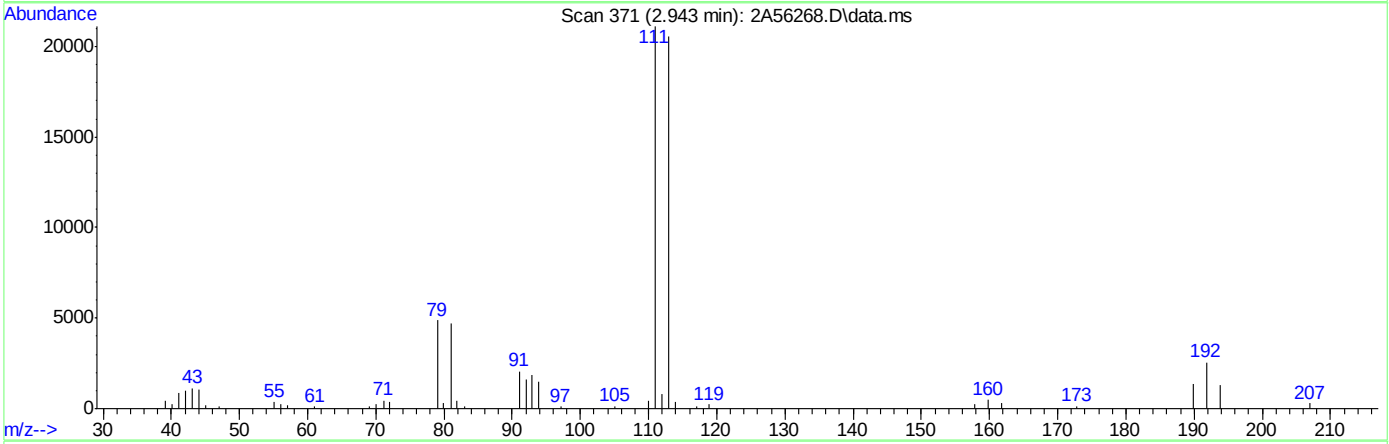
Parameter	CAS	Sig#	R.T. (min.)	Reason
Tetrahydrofuran	109-99-9		2.95	Missed peak
Carbon Tetrachloride	56-23-5		2.96	Overlapping peak
1,4-Dioxane	123-91-1		3.94	Missed peak
1-Chlorohexane	544-10-5		5.36	Poorly defined baseline
Ethylbenzene	100-41-4		5.39	Poorly defined baseline
1,2,3-Trichloropropane	96-18-4		6.46	Missed peak
1,4-Dichlorobenzene	106-46-7		7.10	Missed peak
Benzyl Chloride	100-44-7		7.29	Missed peak
1,2-Dibromo-3-chloropropane	96-12-8		8.00	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56268.D
Acq On : 25 Jun 2024 8:39 am
Operator : jeniferw
Sample : IC1910-8
Misc : MS56892,V2A1910,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Jun 25 11:23:18 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56268.D\data.ms

(38) Tetrahydrofuran

2.943min (-2.943) 0.00ug/L

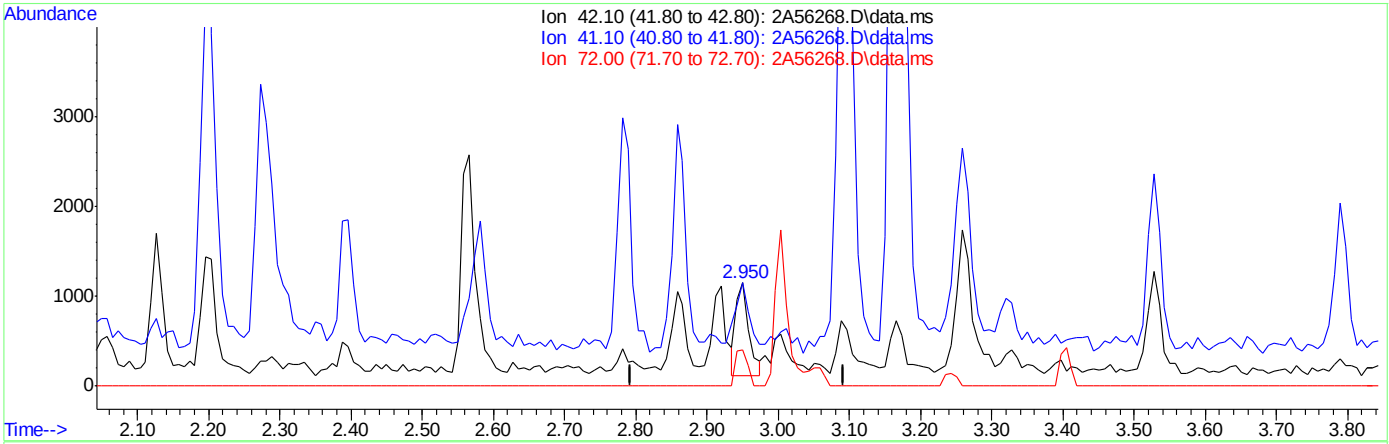
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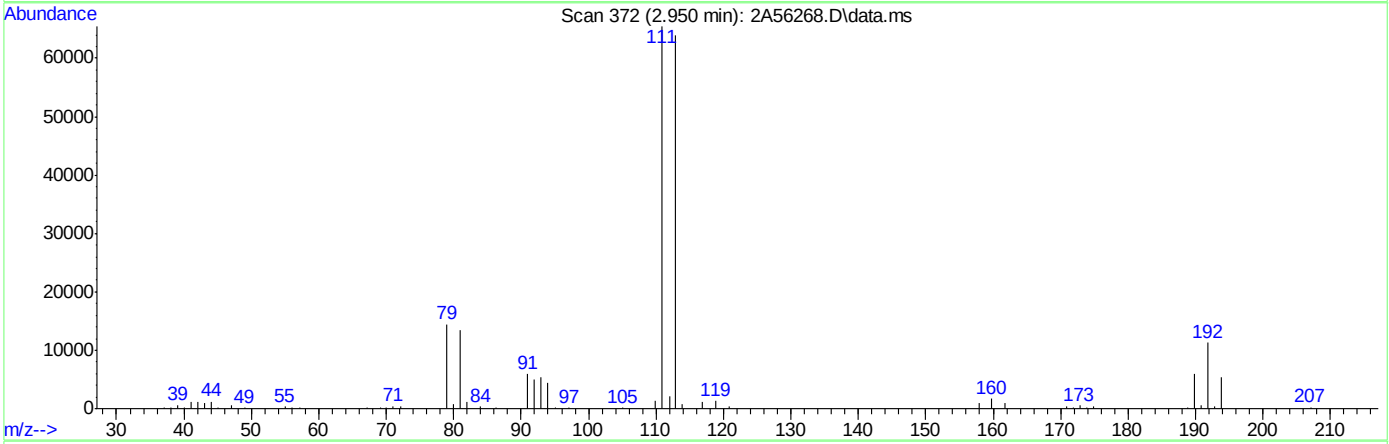
Ion	Exp%	Act%
42.10	100	0.00
41.10	52.50	0.00#
72.00	58.30	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56268.D
Acq On : 25 Jun 2024 8:39 am
Operator : jeniferw
Sample : IC1910-8
Misc : MS56892,V2A1910,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Jun 25 11:23:18 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56268.D\data.ms

(38) Tetrahydrofuran

2.950min (+0.007) 3.08ug/L m

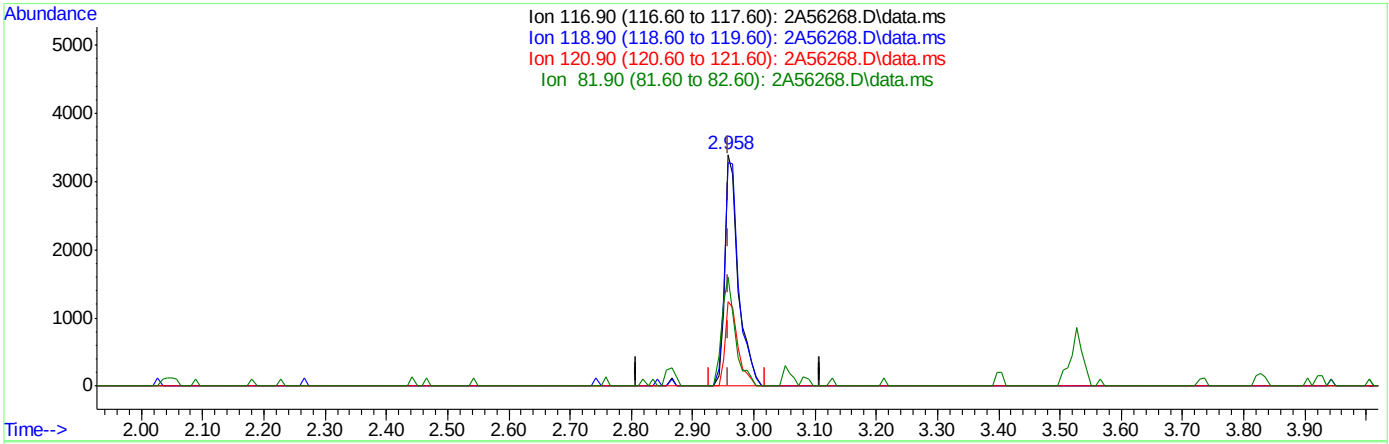
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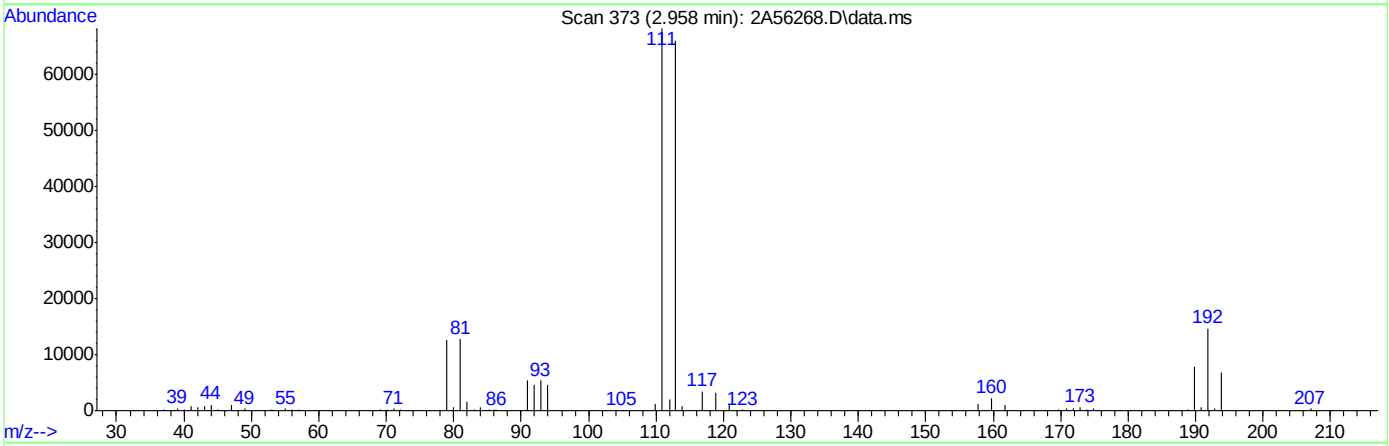
Ion	Exp%	Act%
42.10	100	100
41.10	52.50	100.00#
72.00	58.30	34.87#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56268.D
Acq On : 25 Jun 2024 8:39 am
Operator : jeniferw
Sample : IC1910-8
Misc : MS56892,V2A1910,,,,,
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Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56268.D\data.ms

(40) Carbon Tetrachloride ( )

2.958min (0.000) 2.31ug/L

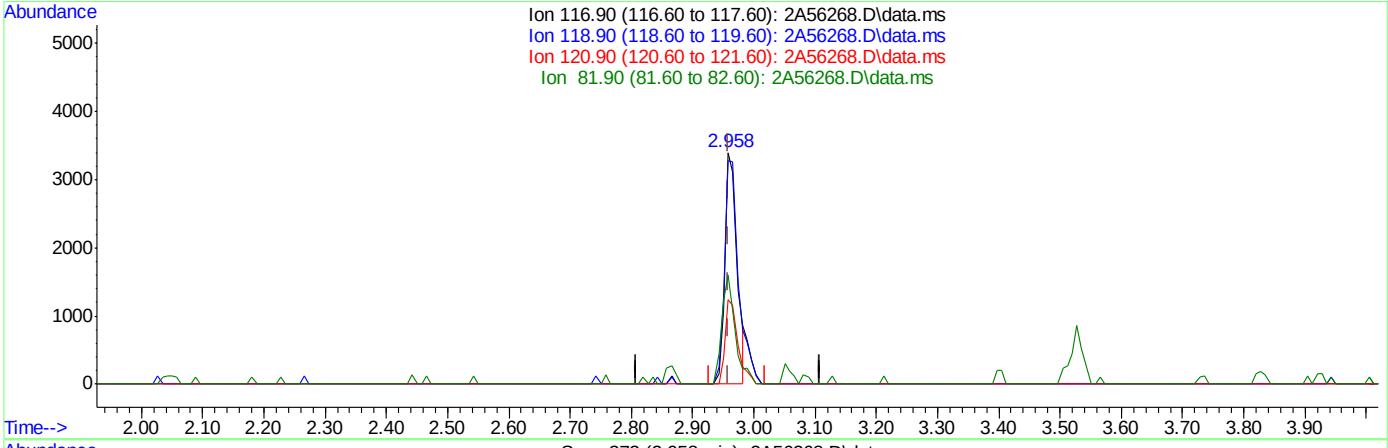
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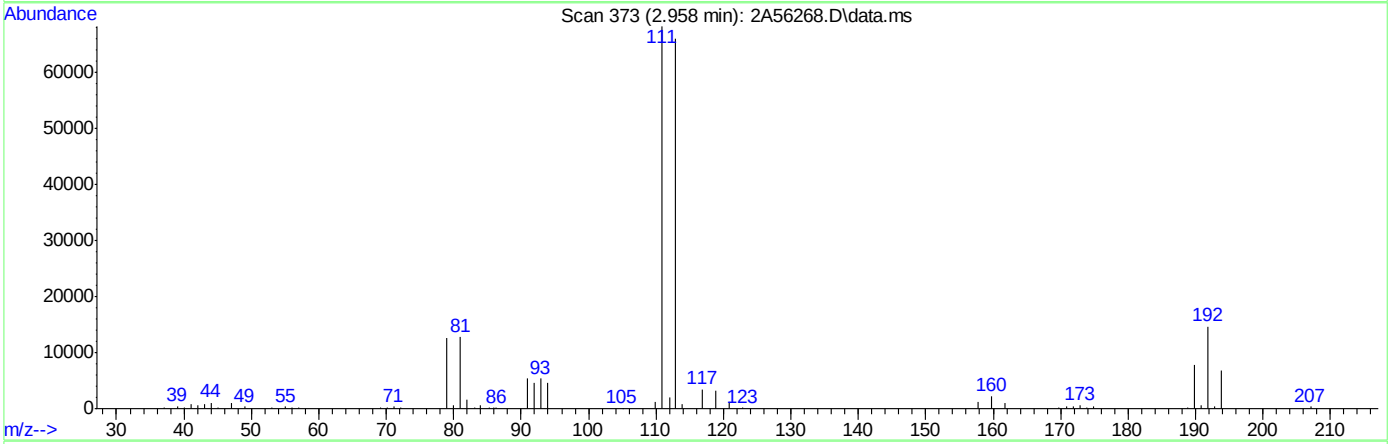
Ion	Exp%	Act%
116.90	100	100
118.90	96.30	96.65
120.90	31.00	36.29
81.90	19.00	46.97

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56268.D
Acq On : 25 Jun 2024 8:39 am
Operator : jeniferw
Sample : IC1910-8
Misc : MS56892,V2A1910,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Jun 25 11:23:18 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56268.D\data.ms

(40) Carbon Tetrachloride ( )

2.958min (0.000) 2.07ug/L m

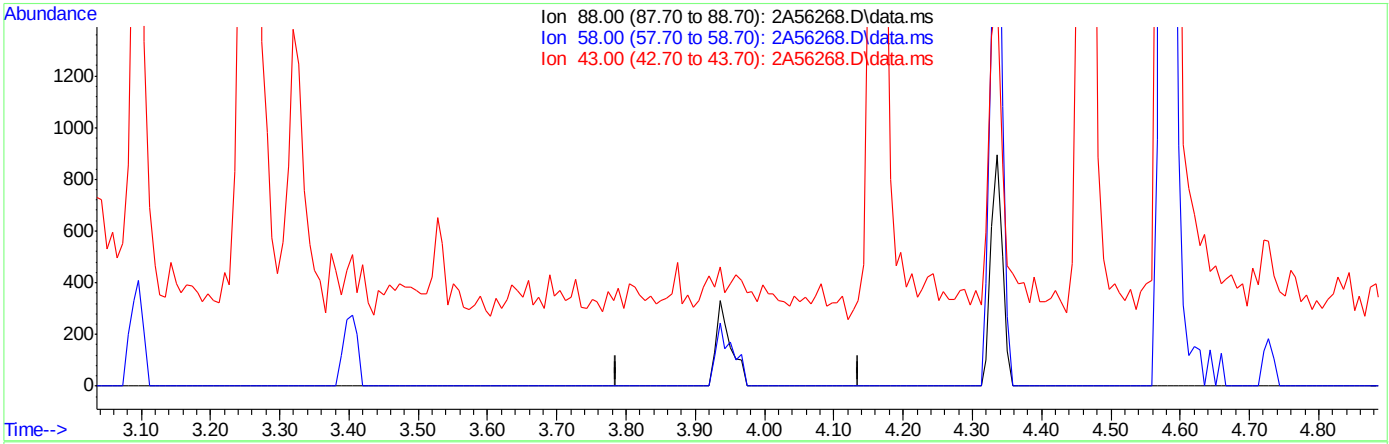
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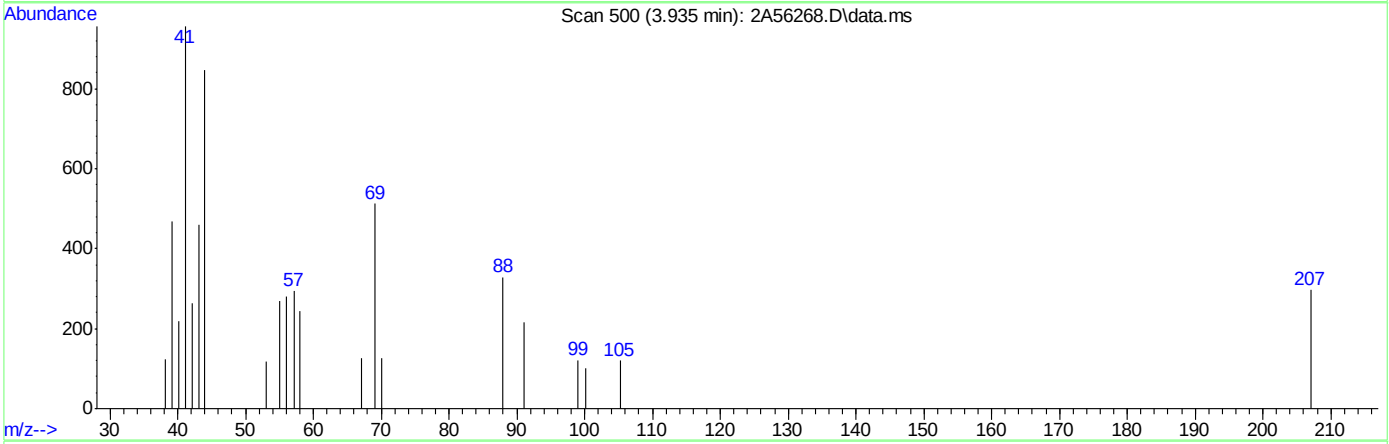
Ion	Exp%	Act%
116.90	100	100
118.90	96.30	96.65
120.90	31.00	36.29
81.90	19.00	46.97

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56268.D
Acq On : 25 Jun 2024 8:39 am
Operator : jeniferw
Sample : IC1910-8
Misc : MS56892,V2A1910,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Jun 25 11:23:18 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56268.D\data.ms

(59) 1,4-Dioxane

3.936min (-3.936) 0.00ug/L

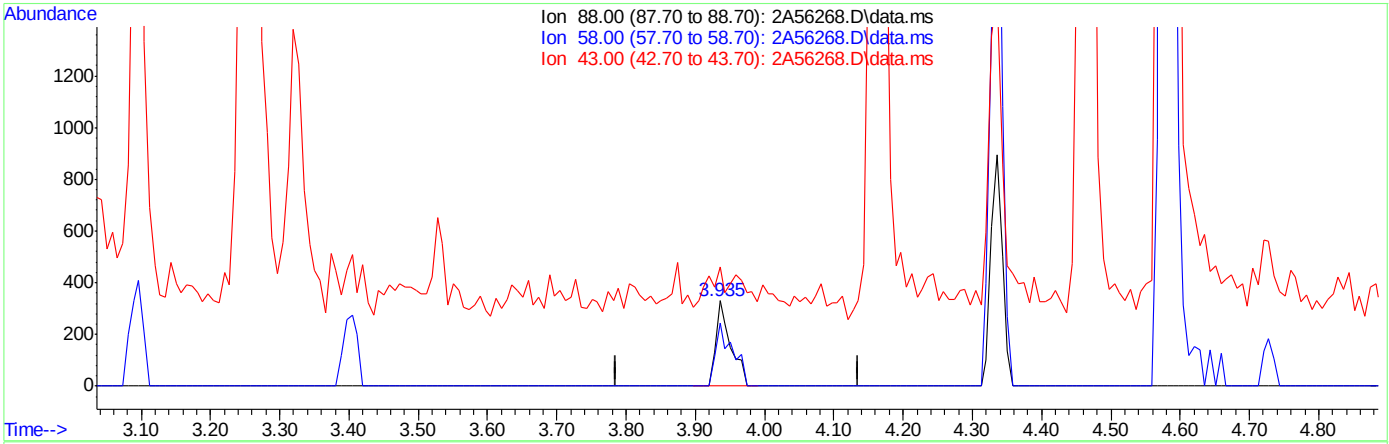
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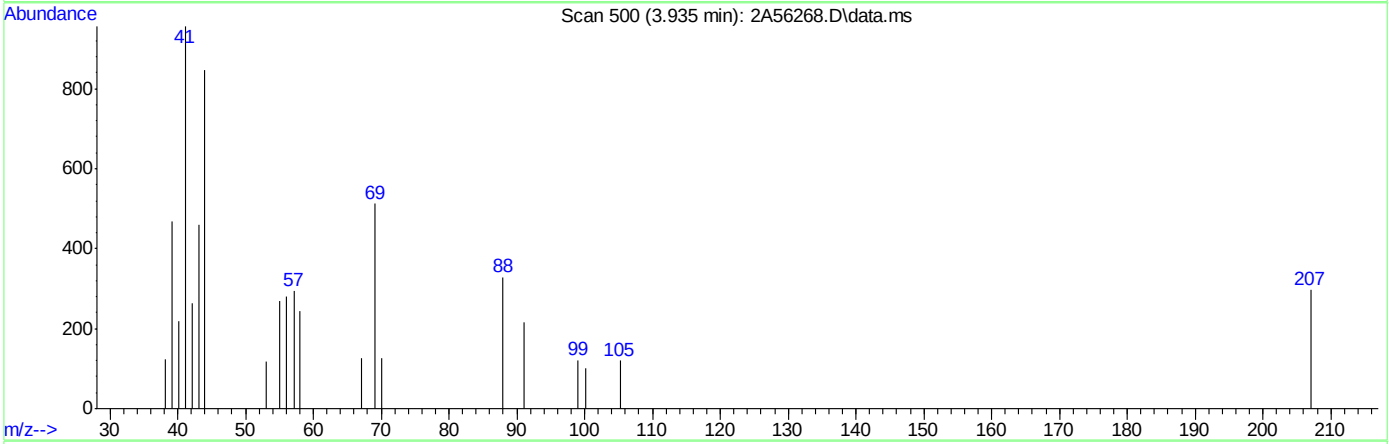
Ion	Exp%	Act%
88.00	100	0.00
58.00	63.50	0.00#
43.00	19.40	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56268.D
Acq On : 25 Jun 2024 8:39 am
Operator : jeniferw
Sample : IC1910-8
Misc : MS56892,V2A1910,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Jun 25 11:23:18 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56268.D\data.ms

(59) 1,4-Dioxane

3.935min (-0.001) 32.60ug/L m

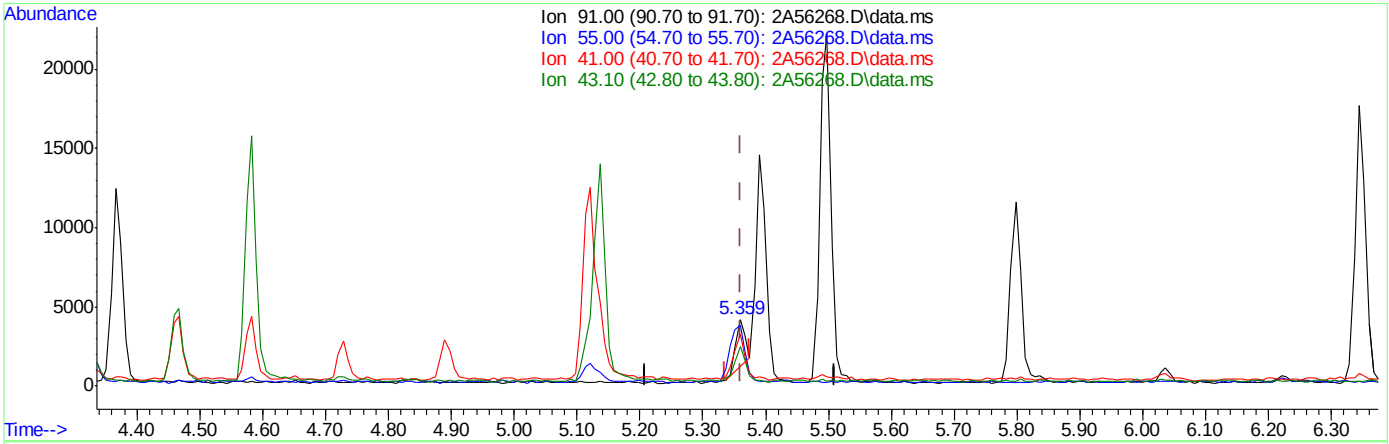
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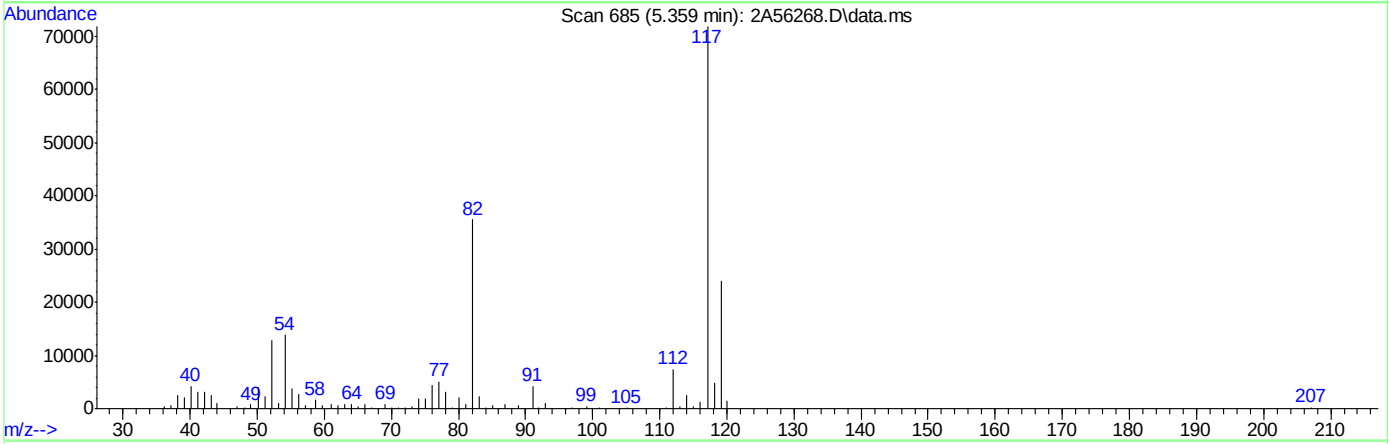
Ion	Exp%	Act%
88.00	100	100
58.00	63.50	73.86
43.00	19.40	139.82#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56268.D
Acq On : 25 Jun 2024 8:39 am
Operator : jeniferw
Sample : IC1910-8
Misc : MS56892,V2A1910,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Jun 25 11:23:18 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56268.D\data.ms

(76) 1-Chlorohexane

5.359min (-0.001) 1.68ug/L

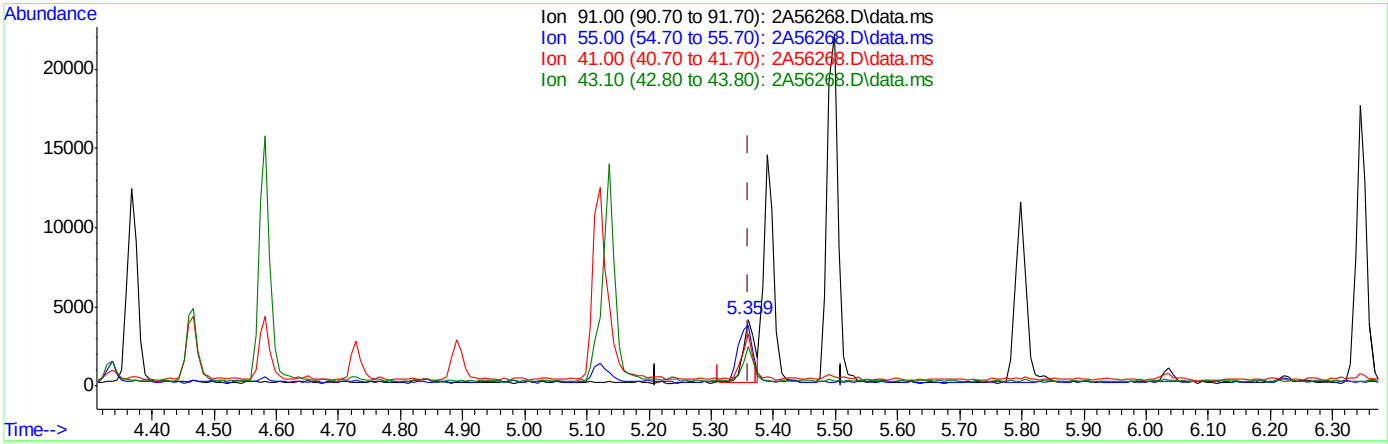
response 3296

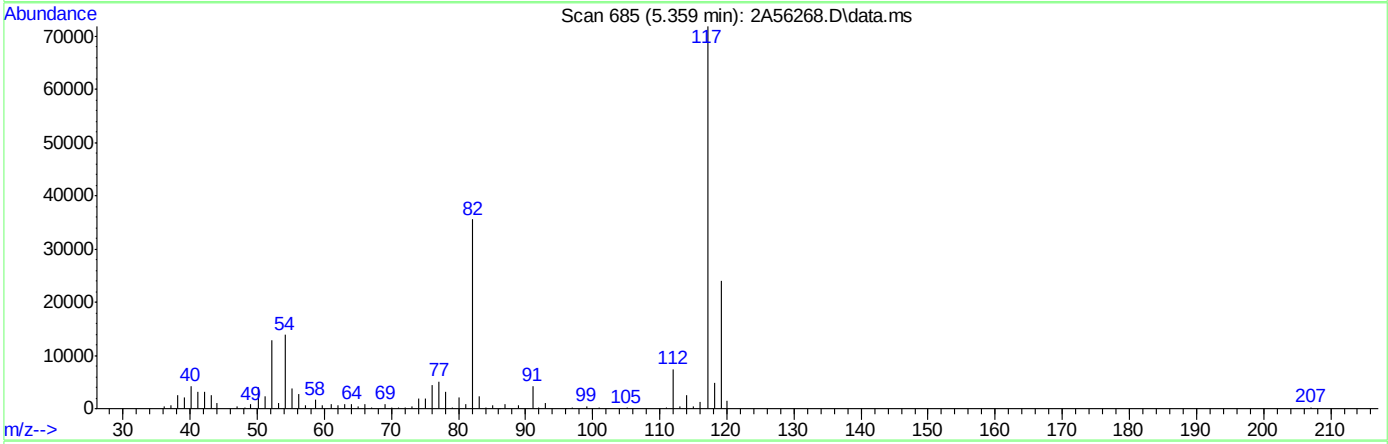
Ion	Exp%	Act%
91.00	100	100
55.00	58.90	77.59
41.00	39.20	69.57#
43.10	33.20	52.66

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56268.D
Acq On : 25 Jun 2024 8:39 am
Operator : jeniferw
Sample : IC1910-8
Misc : MS56892,V2A1910,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Jun 25 11:23:18 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56268.D\data.ms

(76) 1-Chlorohexane

5.359min (-0.001) 2.77ug/L m

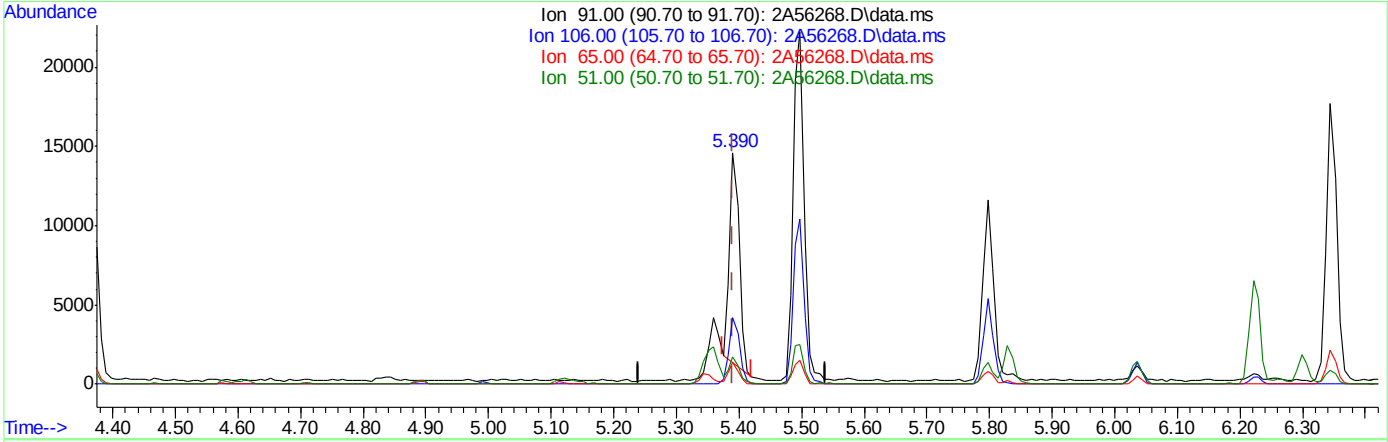
response 5441

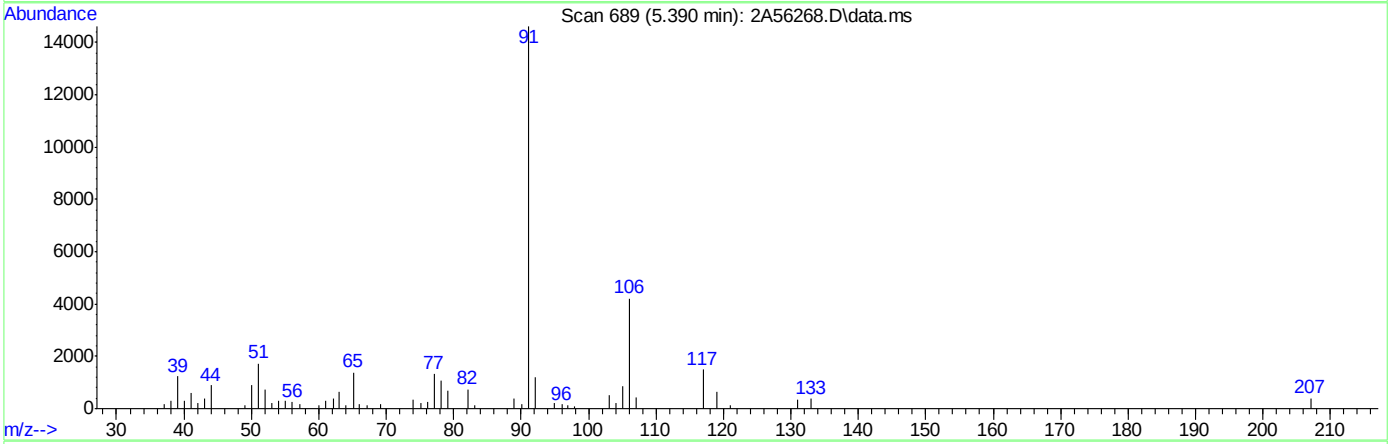
Ion	Exp%	Act%
91.00	100	100
55.00	58.90	90.33#
41.00	39.20	77.46#
43.10	33.20	59.49#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56268.D
Acq On : 25 Jun 2024 8:39 am
Operator : jeniferw
Sample : IC1910-8
Misc : MS56892,V2A1910,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Jun 25 11:23:18 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56268.D\data.ms

(77) Ethylbenzene

5.390min (+0.000) 2.29ug/L

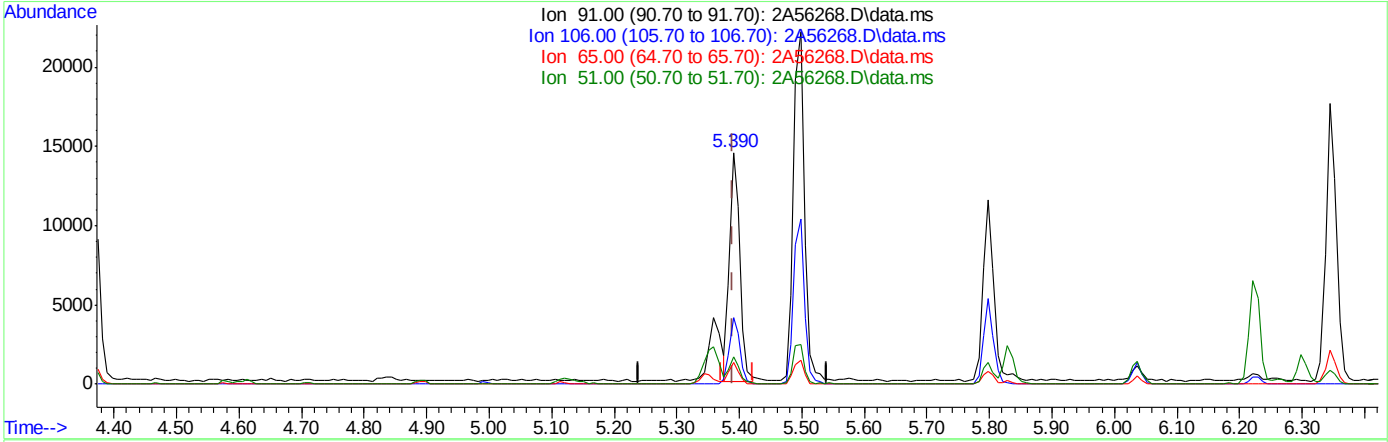
response 13885

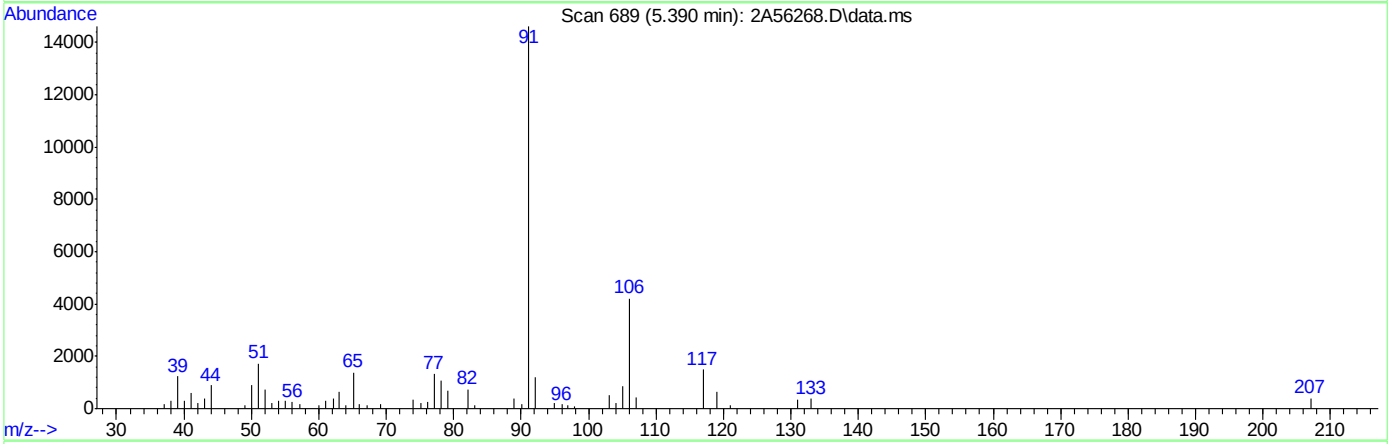
Ion	Exp%	Act%
91.00	100	100
106.00	34.30	29.65
65.00	7.10	9.69
51.00	7.10	11.33

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56268.D
Acq On : 25 Jun 2024 8:39 am
Operator : jeniferw
Sample : IC1910-8
Misc : MS56892,V2A1910,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Jun 25 11:23:18 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56268.D\data.ms

(77) Ethylbenzene

5.390min (+0.000) 2.72ug/L m

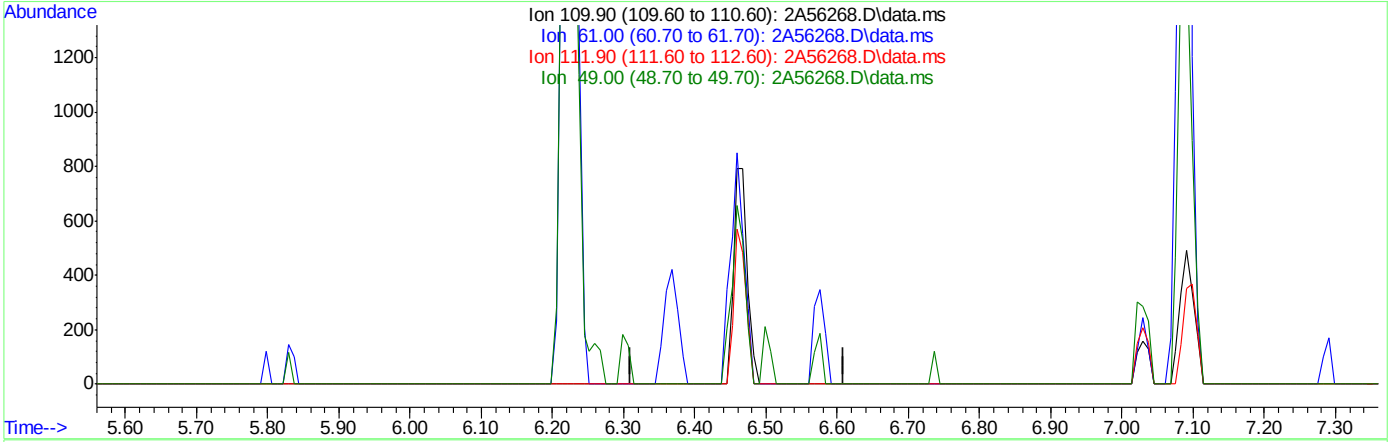
response 16509

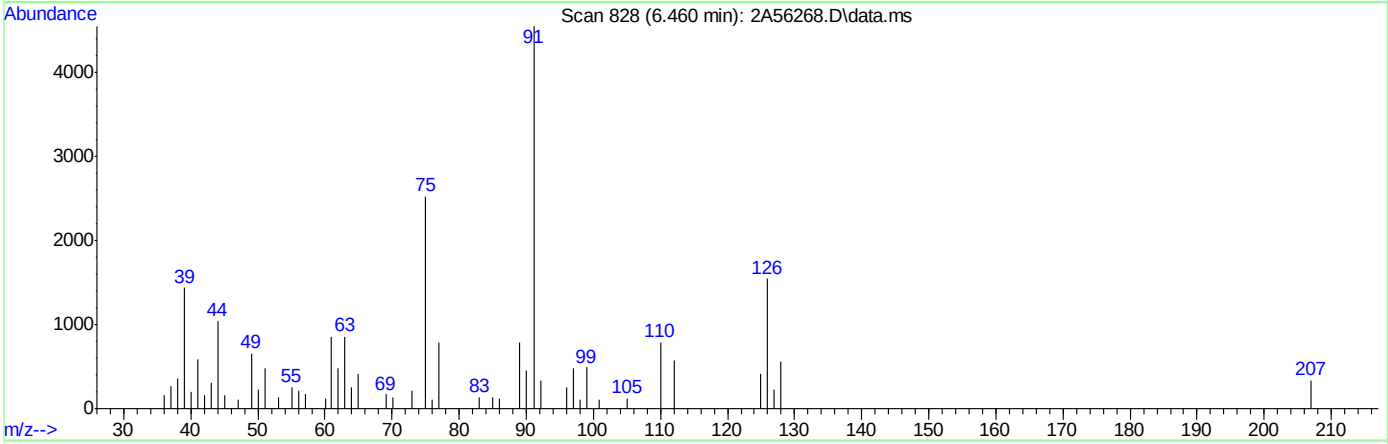
Ion	Exp%	Act%
91.00	100	100
106.00	34.30	28.80
65.00	7.10	9.42
51.00	7.10	11.83

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56268.D
Acq On : 25 Jun 2024 8:39 am
Operator : jeniferw
Sample : IC1910-8
Misc : MS56892,V2A1910,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Jun 25 11:23:18 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56268.D\data.ms

(94) 1,2,3-Trichloropropane ( )

6.460min (-6.460) 0.00ug/L

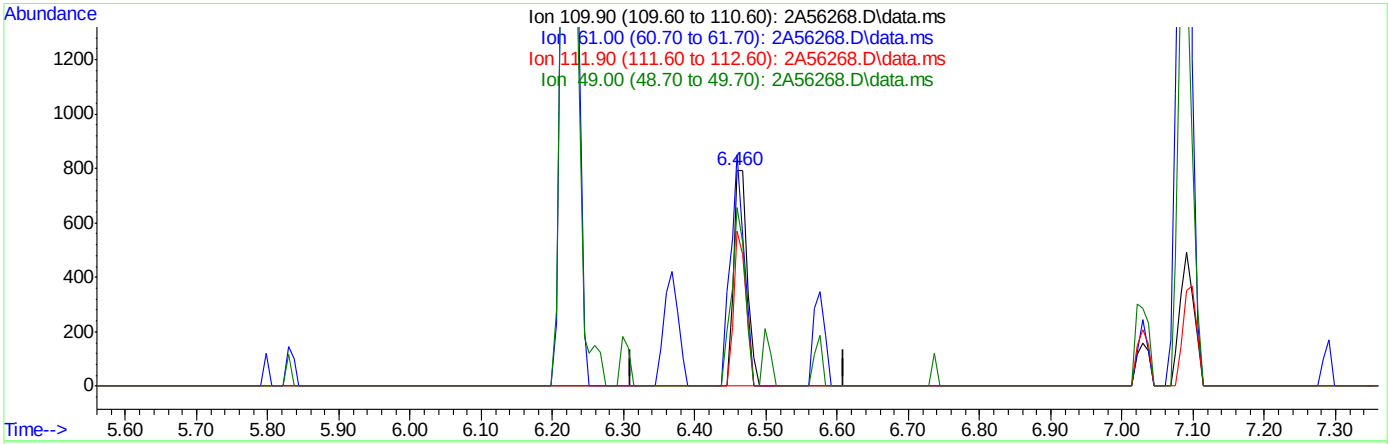
response 0

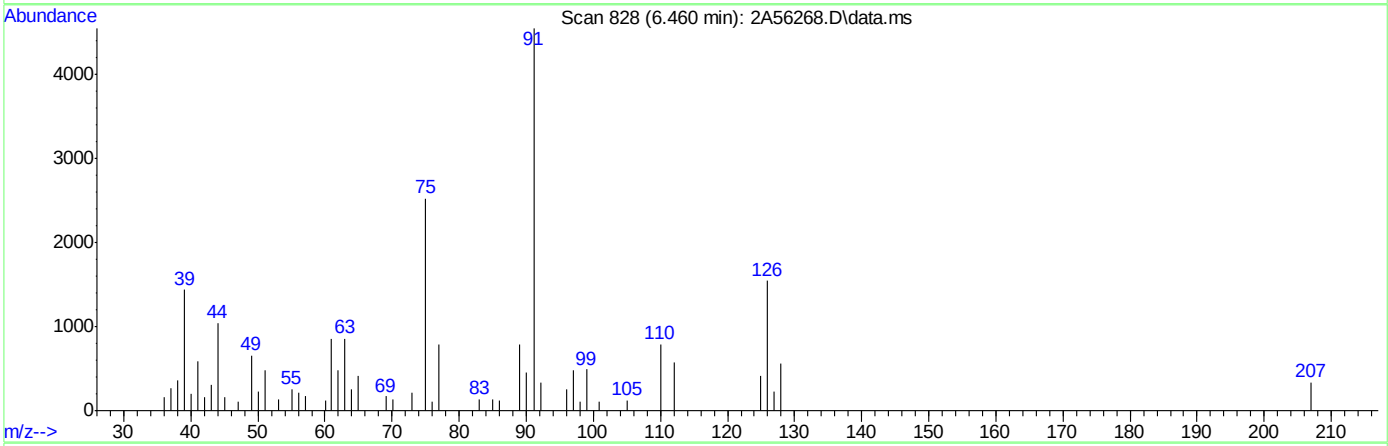
Ion	Exp%	Act%
109.90	100	0.00
61.00	51.70	0.00#
111.90	63.90	0.00#
49.00	36.30	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56268.D
Acq On : 25 Jun 2024 8:39 am
Operator : jeniferw
Sample : IC1910-8
Misc : MS56892,V2A1910,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Jun 25 11:23:18 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56268.D\data.ms

(94) 1,2,3-Trichloropropane ( )

6.460min (-0.000) 2.33ug/L m

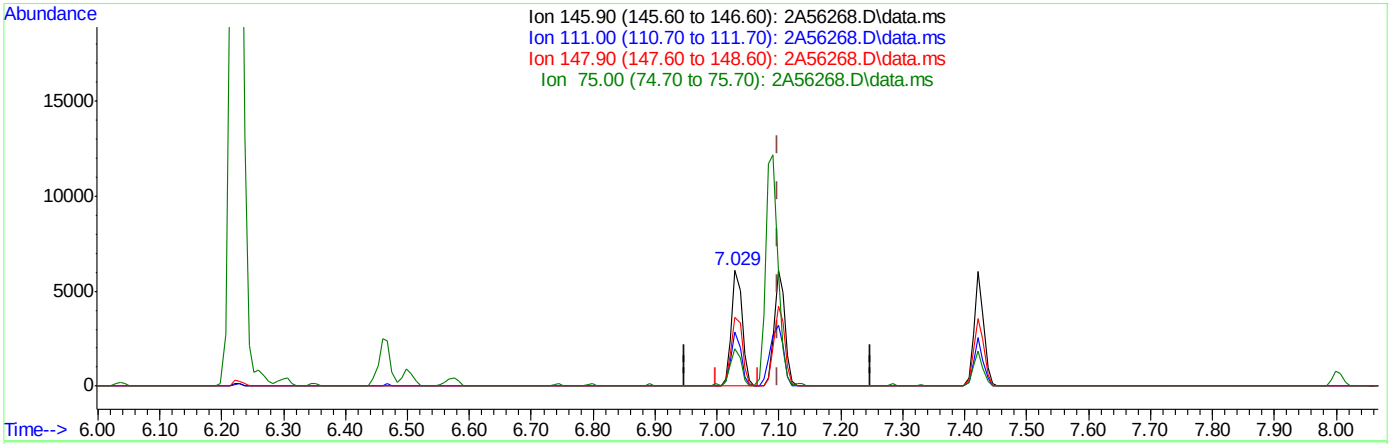
response 1084

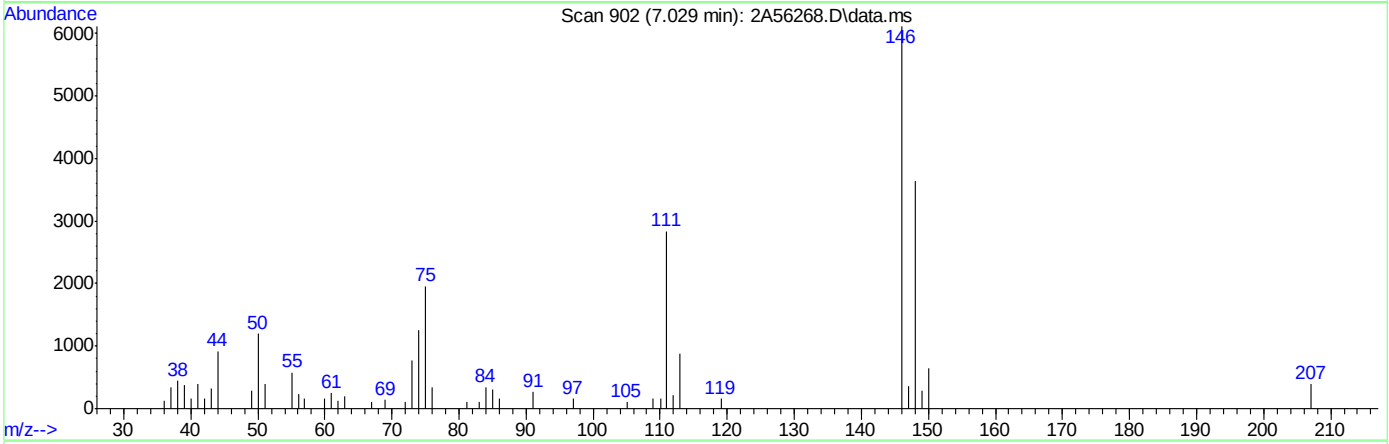
Ion	Exp%	Act%
109.90	100	100
61.00	51.70	107.31#
111.90	63.90	71.88
49.00	36.30	82.72#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56268.D
Acq On : 25 Jun 2024 8:39 am
Operator : jeniferw
Sample : IC1910-8
Misc : MS56892,V2A1910,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Jun 25 11:23:18 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56268.D\data.ms

(104) 1,4-Dichlorobenzene

7.029min (-0.070) 2.25ug/L

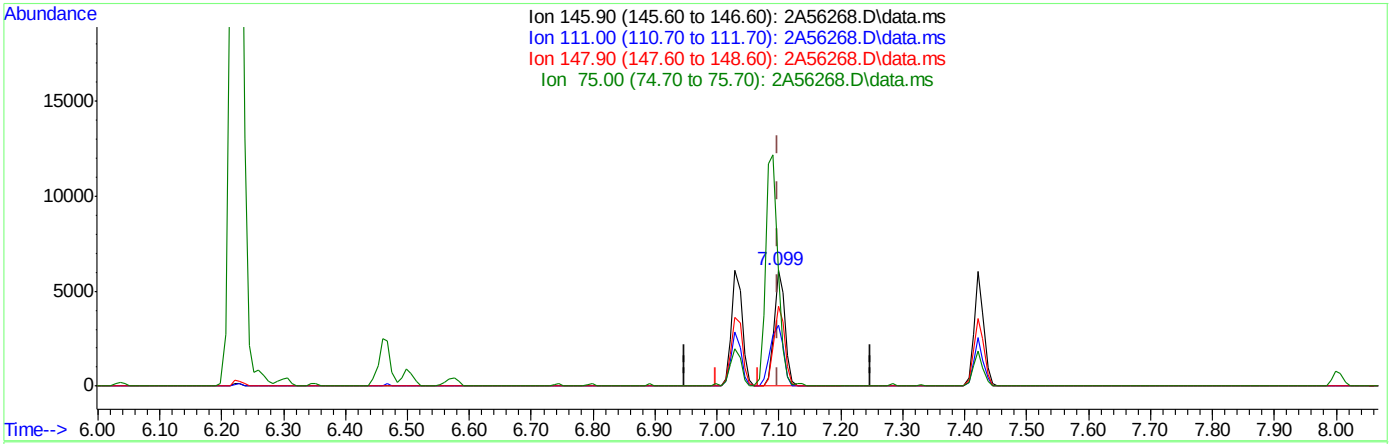
response 7410

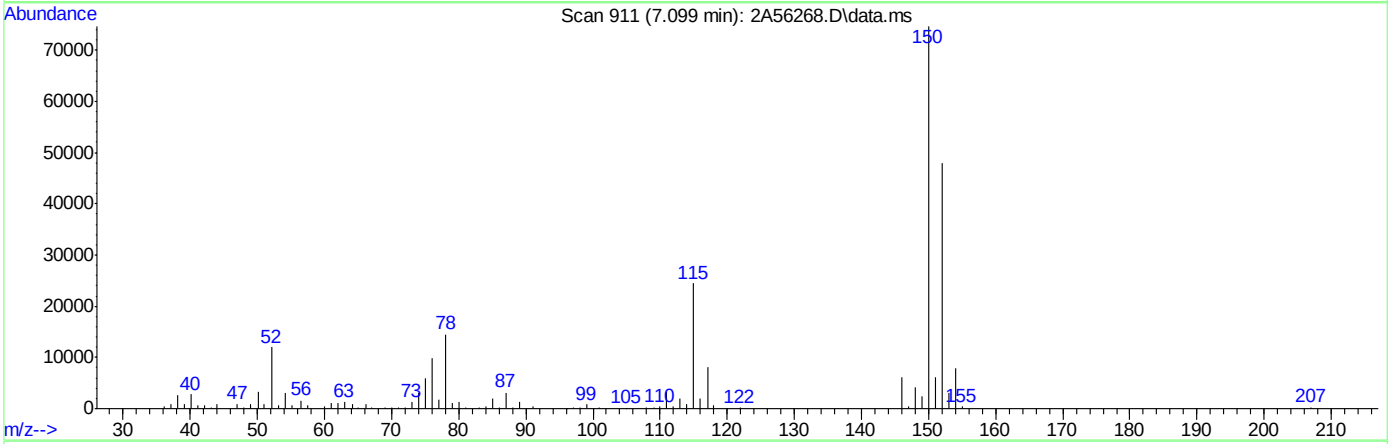
Ion	Exp%	Act%
145.90	100	100
111.00	34.60	46.40
147.90	64.70	59.47
75.00	20.10	30.20

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56268.D
Acq On : 25 Jun 2024 8:39 am
Operator : jeniferw
Sample : IC1910-8
Misc : MS56892,V2A1910,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Jun 25 11:23:18 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56268.D\data.ms

(104) 1,4-Dichlorobenzene

7.099min (-0.000) 2.20ug/L m

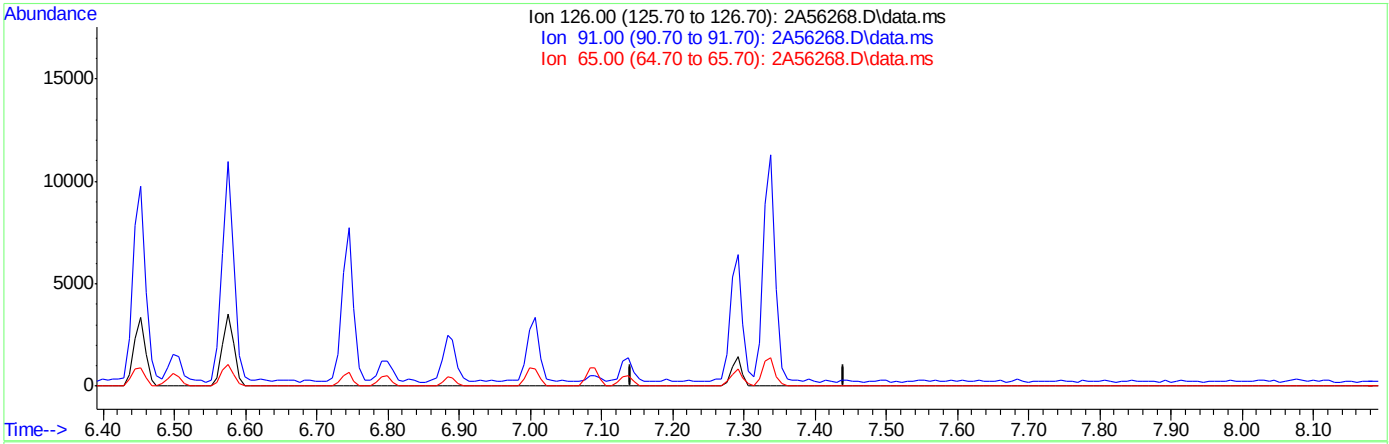
response 7262

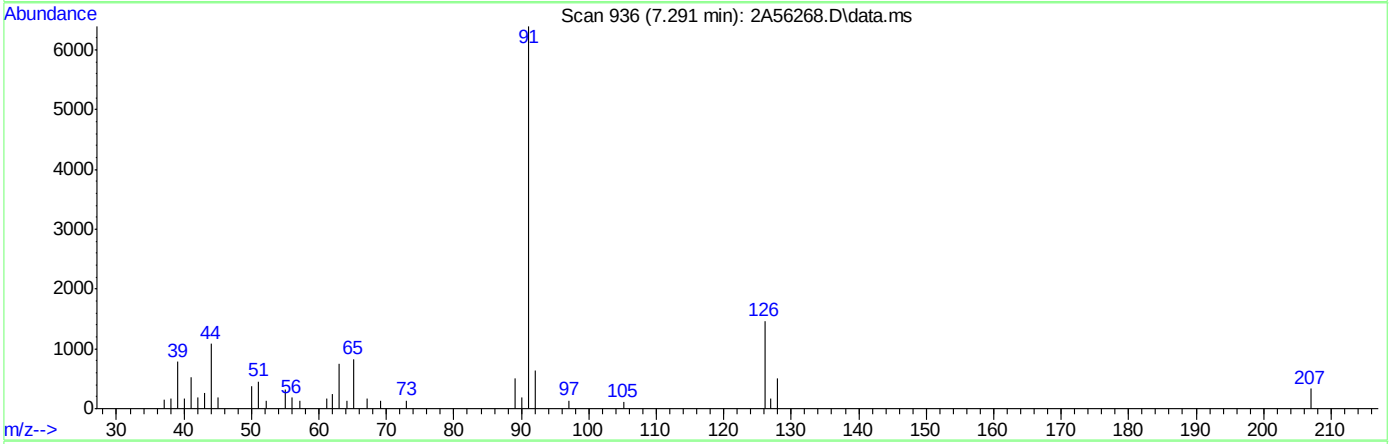
Ion	Exp%	Act%
145.90	100	100
111.00	34.60	52.26
147.90	64.70	68.76
75.00	20.10	97.47#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56268.D
Acq On : 25 Jun 2024 8:39 am
Operator : jeniferw
Sample : IC1910-8
Misc : MS56892,V2A1910,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Jun 25 11:23:18 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56268.D\data.ms

(106) Benzyl Chloride

7.291min (-7.291) 0.00ug/L

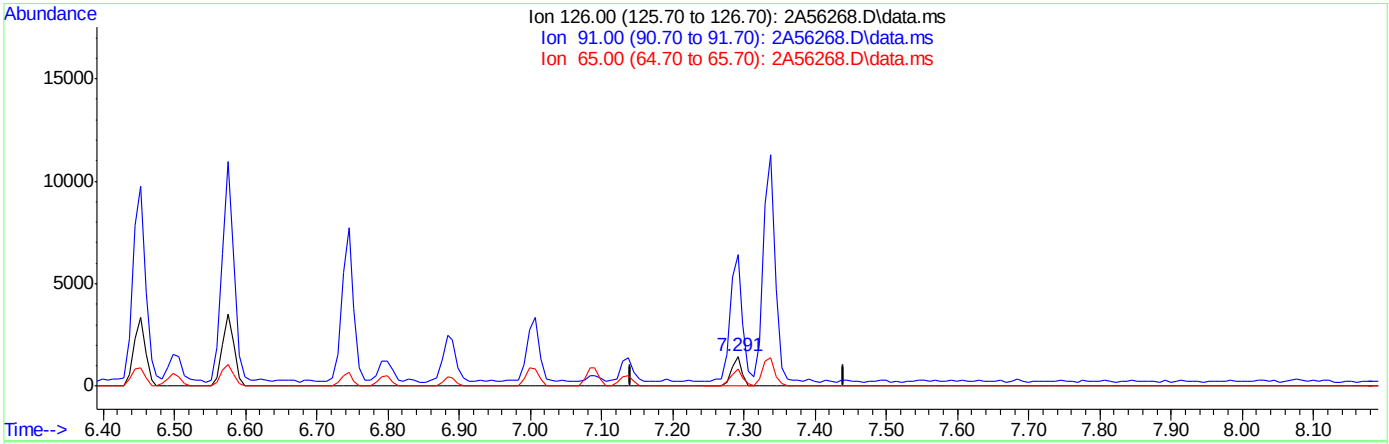
response 0

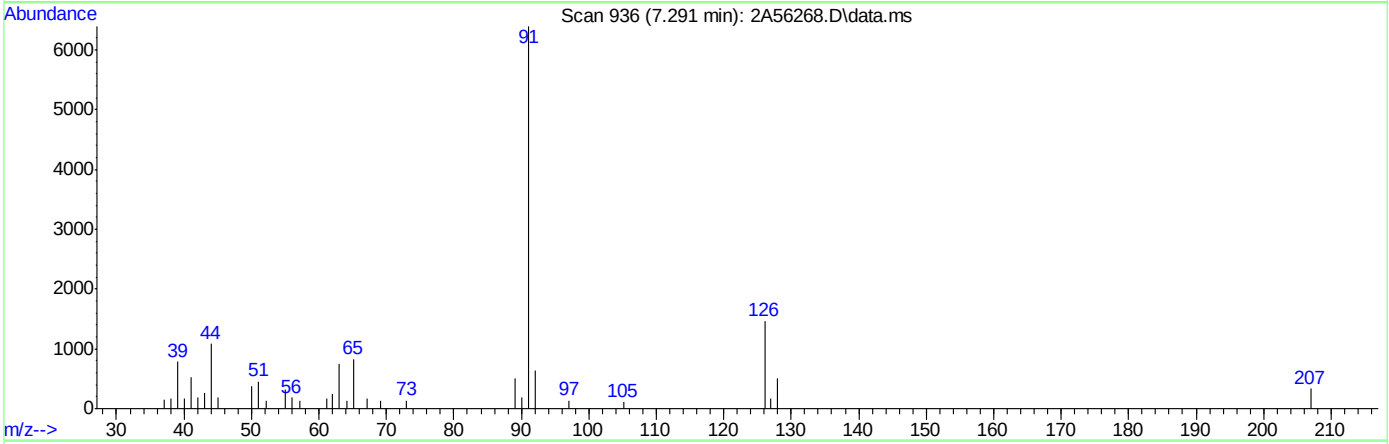
Ion	Exp%	Act%
126.00	100	0.00
91.00	412.40	0.00#
65.00	43.90	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56268.D
Acq On : 25 Jun 2024 8:39 am
Operator : jeniferw
Sample : IC1910-8
Misc : MS56892,V2A1910,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Jun 25 11:23:18 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56268.D\data.ms

(106) Benzyl Chloride

7.291min (+0.000) 2.22ug/L m

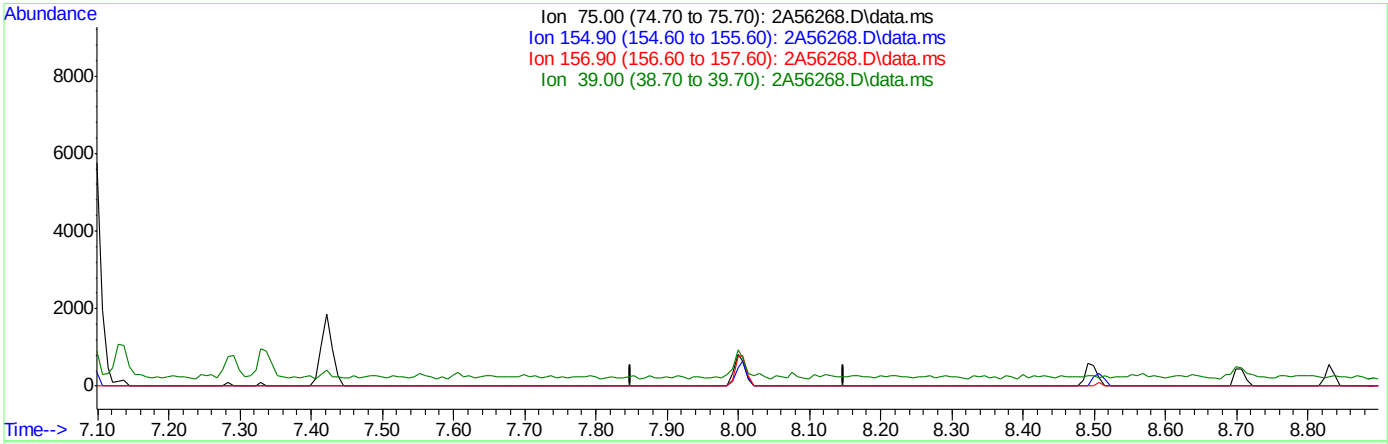
response 1473

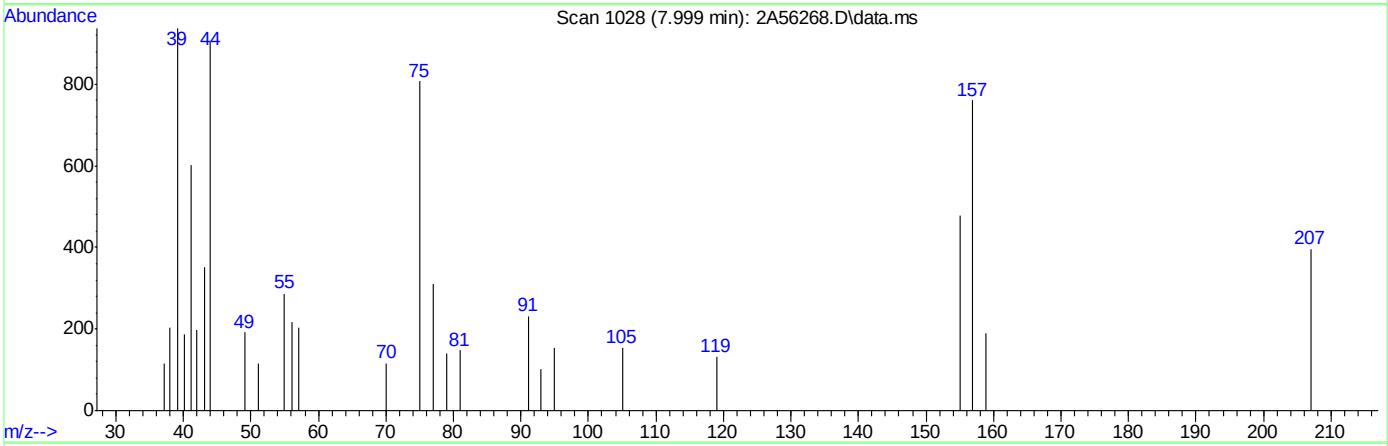
Ion	Exp%	Act%
126.00	100	100
91.00	412.40	435.56#
65.00	43.90	56.61
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56268.D
Acq On : 25 Jun 2024 8:39 am
Operator : jeniferw
Sample : IC1910-8
Misc : MS56892,V2A1910,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Jun 25 11:23:18 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56268.D\data.ms

(108) 1,2-Dibromo-3-Chloropropane

7.999min (-7.999) 0.00ug/L

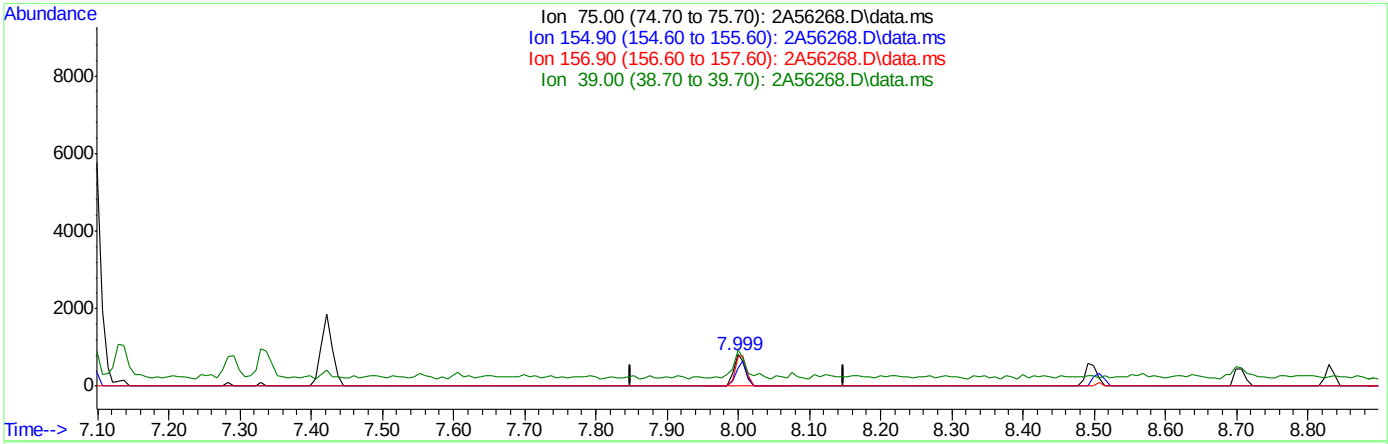
response 0

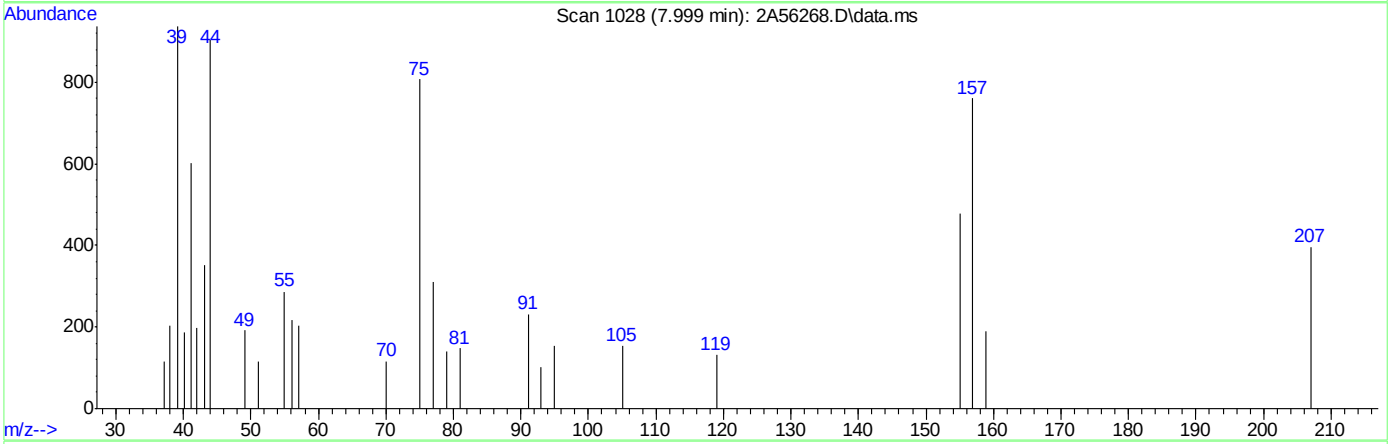
Ion	Exp%	Act%
75.00	100	0.00
154.90	144.40	0.00#
156.90	178.80	0.00#
39.00	47.20	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56268.D
Acq On : 25 Jun 2024 8:39 am
Operator : jeniferw
Sample : IC1910-8
Misc : MS56892,V2A1910,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Jun 25 11:23:18 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56268.D\data.ms

(108) 1,2-Dibromo-3-Chloropropane

7.999min (+0.000) 3.25ug/L m

response 920

Ion	Exp%	Act%
75.00	100	100
154.90	144.40	59.36#
156.90	178.80	94.18#
39.00	47.20	116.11#

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
06/26/24 07:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56270.D
Acq On : 25 Jun 2024 9:11 am
Operator : jeniferw
Sample : IC1910-2
Misc : MS56892,V2A1910,,,,,
ALS Vial : 54 Sample Multiplier: 1

Quant Time: Jun 25 11:47:26 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	3.404	96	284887	50.00	ug/L		0.00
62) Chlorobenzene-d5	5.352	117	215661	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	7.091	152	129118	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	2.950	113	85533	50.50	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.00%				
49) 1,2-Dichloroethane-d4	3.235	65	101342	64.53	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 129.06%#				
63) Toluene-d8	4.336	98	295191	54.67	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 109.34%				
86) 4-Bromofluorobenzene	6.229	174	101180	49.13	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.26%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.026	85	7439	5.11	ug/L		100
3) Chloromethane	1.134	50	9182	7.05	ug/L		96
4) 1,3-butadiene	1.188	39	11353	15.86	ug/L		79
5) Vinyl Chloride	1.173	62	8662	8.20	ug/L		95
6) Bromomethane	1.350	94	4242	9.70	ug/L		88
7) Chloroethane	1.419	64	5242	9.15	ug/L		93
8) Trichlorofluoromethane	1.503	101	12079	6.54	ug/L		97
9) Ethyl Ether	1.657	59	6015	7.28	ug/L		88
10) Ethanol	1.704	45	1873m	175.40	ug/L		
11) 1,2-Dichlorotrifluoroe...	1.750	67	6300	7.17	ug/L		95
12) 1,1-Dichloroethene	1.765	61	11498	7.15	ug/L		89
13) Freon 113	1.788	101	6597	4.83	ug/L		87
14) Carbon Disulfide	1.781	76	22447	6.16	ug/L		79
15) Iodomethane	1.834	142	3113	3.68	ug/L		87
16) Acrolein	1.904	56	6271	28.22	ug/L		94
17) Allyl chloride	1.996	41	10951	8.75	ug/L		81
18) Methylene Chloride	2.042	49	12917	9.82	ug/L	#	69
19) Acetone	2.050	43	13785	39.95	ug/L		79
20) Methyl acetate	2.127	43	35487	39.17	ug/L		88
21) trans-1,2-Dichloroethene	2.135	61	11319	7.14	ug/L	#	73
22) Hexane	2.196	56	6827	6.30	ug/L	#	78
23) Methyl Tert Butyl Ether	2.196	73	20186	6.30	ug/L		66
24) Acetonitrile	2.273	41	9865	74.37	ug/L		96
25) Tert Butyl Alcohol	2.212	59	11286	66.64	ug/L		64
26) Di-isopropyl ether	2.389	45	22097	8.69	ug/L		86
27) Chloroprene	2.435	53	28489	7.11	ug/L		88
28) 1,1-Dichloroethane	2.442	63	14484	6.89	ug/L		96
29) Acrylonitrile	2.435	52	17633	37.15	ug/L		90
30) ETBE	2.581	59	21107	6.88	ug/L		92
31) Vinyl acetate	2.558	43	78557	43.89	ug/L		98
32) cis-1,2-Dichloroethene	2.719	96	8310	5.37	ug/L	#	74
33) 2,2-Dichloropropane	2.781	77	11810	7.13	ug/L		95
34) Bromochloromethane	2.820	128	4149	4.65	ug/L	#	63
35) Cyclohexane	2.858	56	13806	7.34	ug/L	#	80

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56270.D
Acq On : 25 Jun 2024 9:11 am
Operator : jeniferw
Sample : IC1910-2
Misc : MS56892,V2A1910,,,,,
ALS Vial : 54 Sample Multiplier: 1

Quant Time: Jun 25 11:47:26 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Chloroform	2.858	83	15007	6.23	ug/L		94
37) Ethyl acetate	2.912	43	42049	40.48	ug/L		91
38) Tetrahydrofuran	2.943	42	3510	8.54	ug/L		86
40) Carbon Tetrachloride	2.958	117	10794m	4.89	ug/L		
41) 1,1,1-Trichloroethane	2.989	97	12427	5.70	ug/L		93
42) 2-Butanone	2.997	43	22089	39.57	ug/L		80
43) 1,1-Dichloropropene	3.050	75	9721	6.24	ug/L	#	73
44) tert-Butyl formate	3.097	59	27197	30.07	ug/L		96
45) Propionitrile	3.143	54	12555	59.13	ug/L		98
46) Methacrylonitrile	3.166	41	49160	76.67	ug/L		94
47) Benzene	3.181	78	28498	5.75	ug/L		94
48) TAME	3.251	73	18582	6.27	ug/L		85
50) 1,2-Dichloroethane	3.274	62	10546	6.61	ug/L		94
51) Isobutyl Alcohol	3.251	43	14054	156.08	ug/L		78
52) Tert Amyl Alcohol	3.320	59	9136	67.82	ug/L		97
53) Trichloroethene	3.505	95	8298	5.71	ug/L		84
54) Methylcyclohexane	3.528	83	13195	5.72	ug/L		86
55) Dibromomethane	3.728	93	5098	5.86	ug/L	#	71
56) 1,2-Dichloropropane	3.789	63	7395	6.72	ug/L		90
57) Bromodichloromethane	3.828	83	10408	6.13	ug/L	#	97
58) Methyl methacrylate	3.920	41	6561	8.43	ug/L	#	68
59) 1,4-Dioxane	3.935	88	1375	91.93	ug/L	#	60
60) 2-Chloroethyl vinyl ether	4.159	63	25420	36.57	ug/L		79
61) cis-1,3-Dichloropropene	4.205	75	11259	6.25	ug/L		76
64) Toluene	4.366	91	32499	6.18	ug/L		97
65) 2-Nitropropane	4.459	41	13120	48.83	ug/L		88
66) 4-Methyl-2-pentanone	4.582	43	45812	46.45	ug/L		87
67) trans-1,3-Dichloropropene	4.613	75	10057	6.50	ug/L		81
68) Tetrachloroethene	4.628	166	8390	4.40	ug/L		96
69) Ethyl methacrylate	4.728	69	8947	6.79	ug/L	#	73
70) 1,1,2-Trichloroethane	4.713	83	5836	6.58	ug/L		86
71) Dibromochloromethane	4.836	129	7212	4.87	ug/L		98
72) 1,3-Dichloropropane	4.890	76	10618	6.51	ug/L		78
73) 1,2-Dibromoethane	4.990	107	6775	5.24	ug/L		98
74) 3,3-Dimethyl-1-Butanol	5.121	57	58518	389.21	ug/L		95
75) 2-hexanone	5.136	43	46302	47.81	ug/L		74
76) 1-Chlorohexane	5.359	91	12879m	6.78	ug/L		
77) Ethylbenzene	5.390	91	37564m	6.40	ug/L		
78) Chlorobenzene	5.359	112	21430	5.65	ug/L		83
79) 1,1,1,2-Tetrachloroethane	5.406	131	6866	4.95	ug/L		95
80) m,p-Xylene	5.498	91	61229	12.72	ug/L		94
81) o-Xylene	5.798	91	32576	6.64	ug/L		94
82) Styrene	5.829	104	23450	6.21	ug/L		90
83) Bromoform	5.837	173	4981	4.16	ug/L		89
84) Isopropylbenzene	6.037	105	38562	6.13	ug/L		96
87) cis-1,4-Dichloro-2-butene	6.260	53	2286	6.08	ug/L	#	57
88) n-Propylbenzene	6.344	91	46628	7.45	ug/L		89
89) Bromobenzene	6.306	156	8968	5.39	ug/L		82
90) 1,1,2,2-Tetrachloroethane	6.368	83	10450	7.40	ug/L		99
91) 1,3,5-Trimethylbenzene	6.498	105	31634	6.69	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56270.D
Acq On : 25 Jun 2024 9:11 am
Operator : jeniferw
Sample : IC1910-2
Misc : MS56892,V2A1910,,,,,
ALS Vial : 54 Sample Multiplier: 1

Quant Time: Jun 25 11:47:26 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration

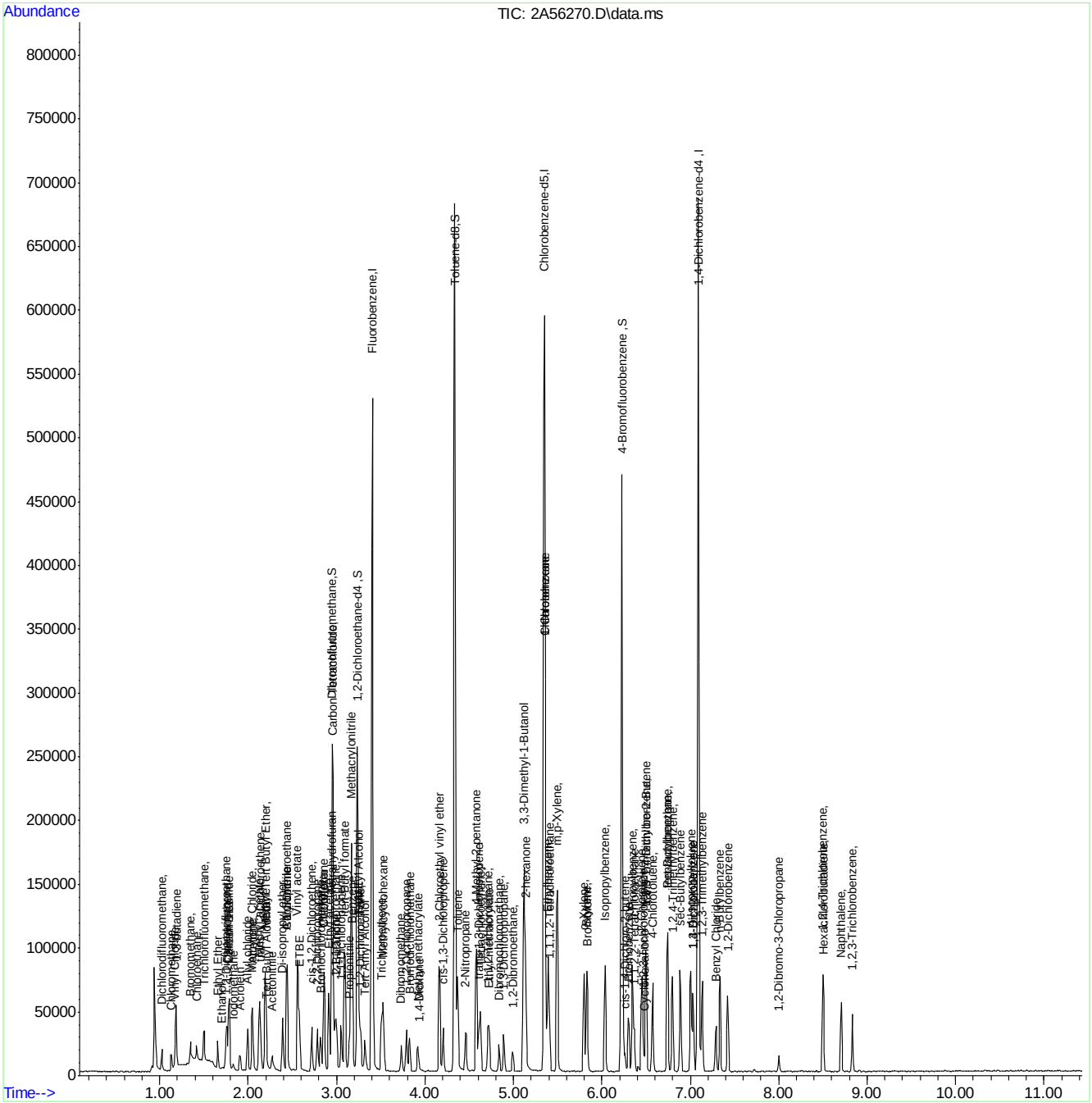
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92)	2-Chlorotoluene	6.452	91	25771	7.10	ug/L		95
93)	trans-1,4-Dichloro-2-B...	6.498	53	3193	7.22	ug/L	#	62
94)	1,2,3-Trichloropropane	6.468	110	2713	5.81	ug/L		78
95)	Cyclohexanone	6.475	55	1609	41.56	ug/L		79
96)	4-Chlorotoluene	6.575	91	27802	7.21	ug/L		89
97)	tert-Butylbenzene	6.745	91	19259	7.52	ug/L		83
98)	1,2,4-Trimethylbenzene	6.799	105	30216	6.05	ug/L		97
99)	Pentachloroethane	6.745	167	4415	4.44	ug/L	#	34
100)	sec-Butylbenzene	6.883	105	40998	6.71	ug/L		92
101)	4-Isopropyltoluene	7.006	119	34277	6.53	ug/L		96
102)	1,3-Dichlorobenzene	7.029	146	17725	5.40	ug/L		91
103)	1,2,3-Trimethylbenzene	7.137	105	29691	6.44	ug/L		98
104)	1,4-Dichlorobenzene	7.029	146	17725	5.36	ug/L		92
105)	n-Butylbenzene	7.337	92	15502	6.57	ug/L		93
106)	Benzyl Chloride	7.291	126	3671	5.51	ug/L	#	63
107)	1,2-Dichlorobenzene	7.422	146	16452	5.65	ug/L		90
108)	1,2-Dibromo-3-Chloropr...	7.999	75	2113	7.45	ug/L	#	41
109)	Hexachlorobutadiene	8.507	225	4613	4.48	ug/L		95
110)	1,2,4-Trichlorobenzene	8.499	180	9919	5.13	ug/L		97
111)	Naphthalene	8.707	128	26536	6.23	ug/L		99
112)	1,2,3-Trichlorobenzene	8.830	180	8673	4.85	ug/L		94

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56270.D
Acq On : 25 Jun 2024 9:11 am
Operator : jeniferw
Sample : IC1910-2
Misc : MS56892,V2A1910,,,,,
ALS Vial : 54 Sample Multiplier: 1

Quant Time: Jun 25 11:47:26 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration



Manual Integration Approval Summary

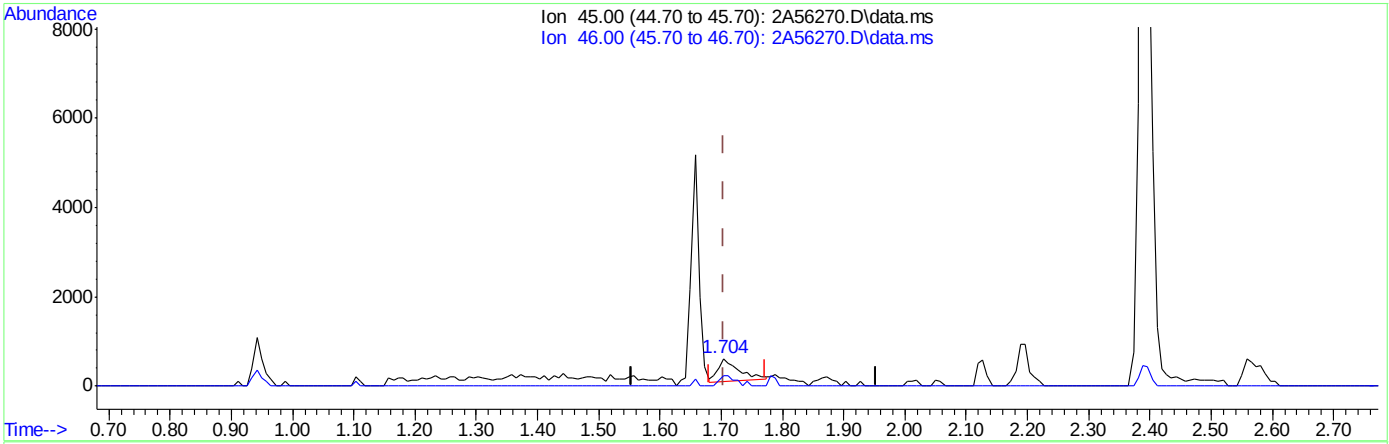
Sample Number: V2A1910-IC1910
Lab FileID: 2A56270.D
Injection Time: 06/25/24 09:11
Method: SW846 8260D
Analyst approved: 06/25/24 13:54 Jenifer Willis
Supervisor approved: 06/26/24 07:53 Karen Watson

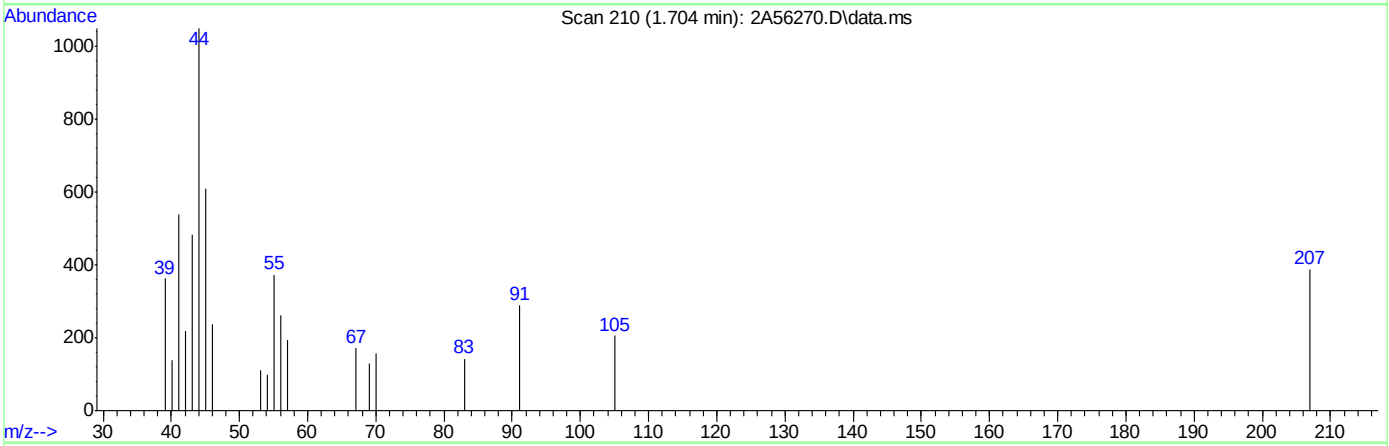
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		1.70	Poorly defined baseline
Carbon Tetrachloride	56-23-5		2.96	Overlapping peak
1-Chlorohexane	544-10-5		5.36	Poorly defined baseline
Ethylbenzene	100-41-4		5.39	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56270.D
Acq On : 25 Jun 2024 9:11 am
Operator : jeniferw
Sample : IC1910-2
Misc : MS56892,V2A1910,,,,,
ALS Vial : 54 Sample Multiplier: 1

Quant Time: Jun 25 11:23:20 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56270.D\data.ms

(10) Ethanol

1.704min (-0.000) 113.87ug/L

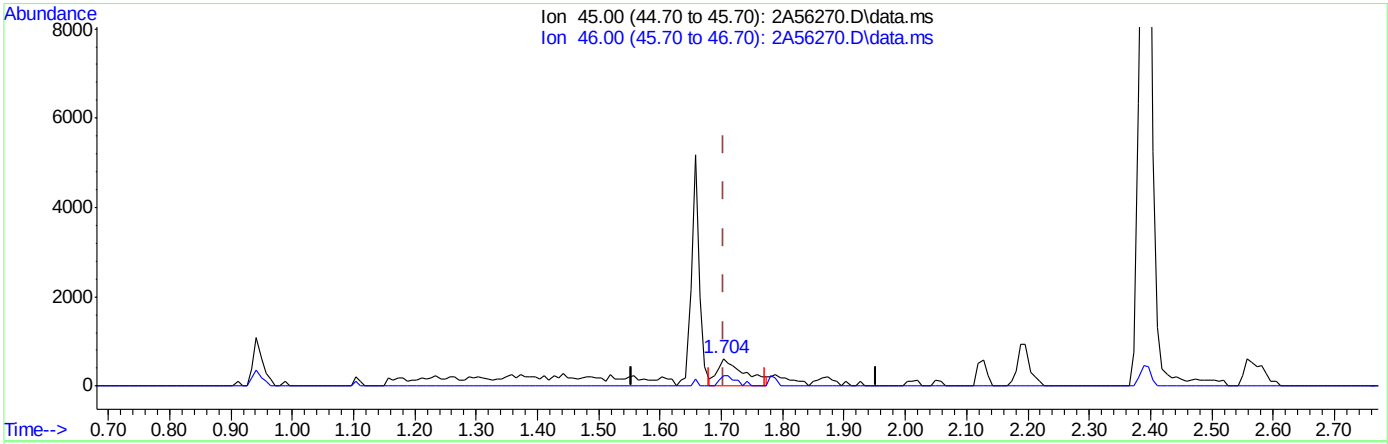
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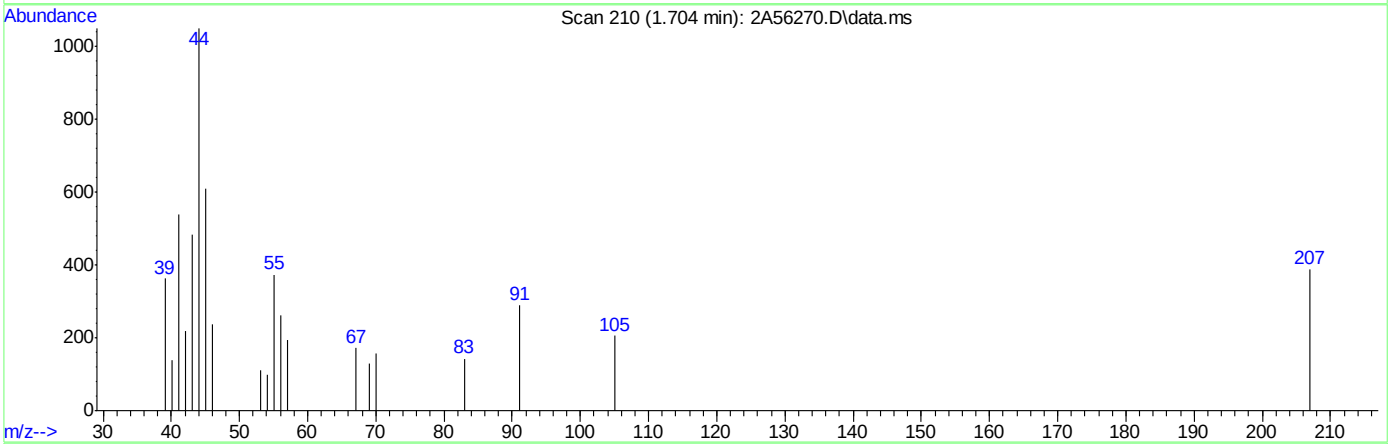
Ion	Exp%	Act%
45.00	100	100
46.00	46.00	53.13
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56270.D
Acq On : 25 Jun 2024 9:11 am
Operator : jeniferw
Sample : IC1910-2
Misc : MS56892,V2A1910,,,,,
ALS Vial : 54 Sample Multiplier: 1

Quant Time: Jun 25 11:23:20 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56270.D\data.ms

(10) Ethanol

1.704min (-0.000) 175.40ug/L m

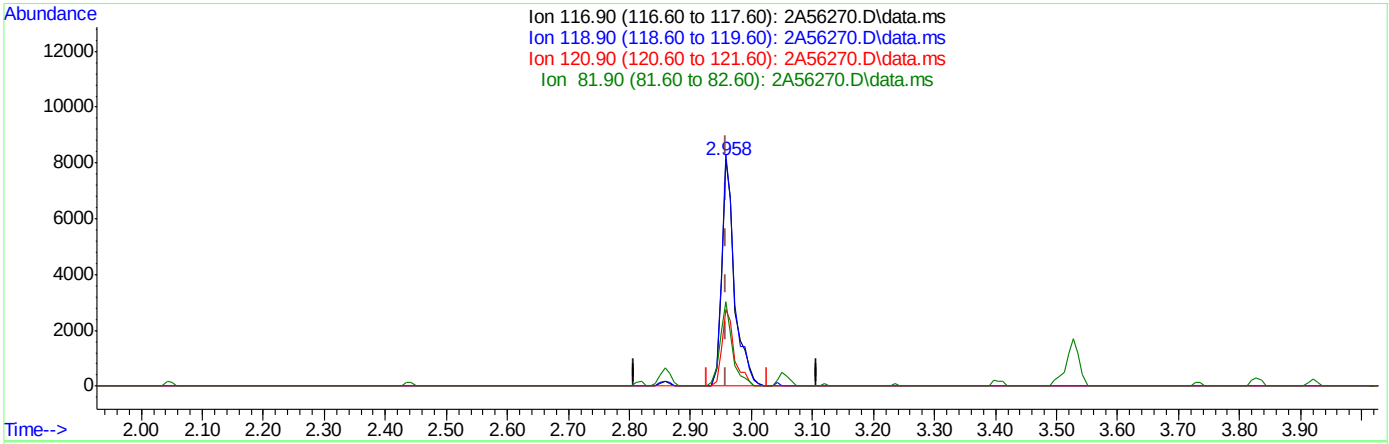
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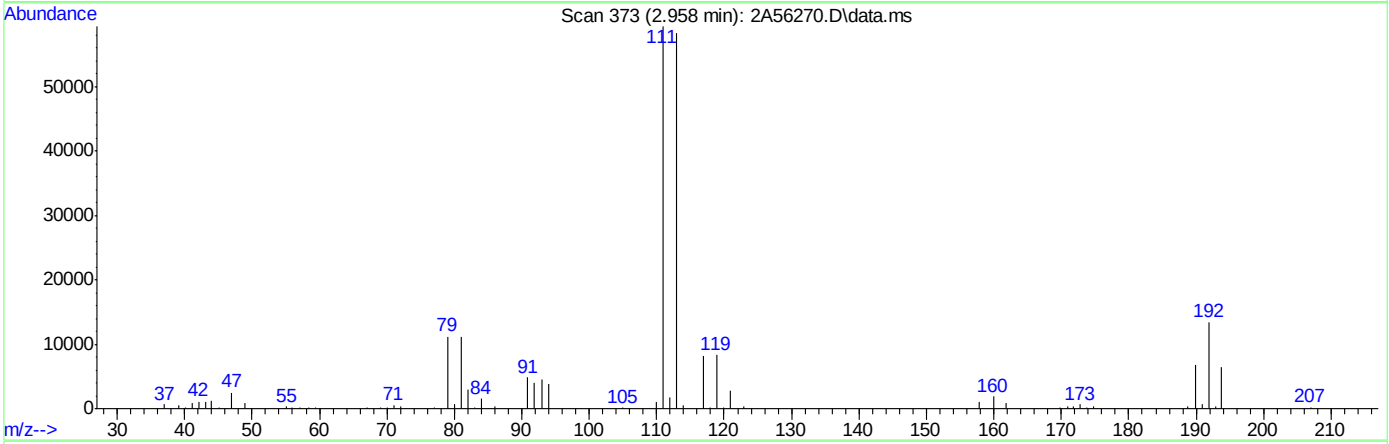
Ion	Exp%	Act%
45.00	100	100
46.00	46.00	38.95
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56270.D
Acq On : 25 Jun 2024 9:11 am
Operator : jeniferw
Sample : IC1910-2
Misc : MS56892,V2A1910,,,,,
ALS Vial : 54 Sample Multiplier: 1

Quant Time: Jun 25 11:23:20 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56270.D\data.ms

(40) Carbon Tetrachloride ( )

2.958min (+0.000) 5.38ug/L

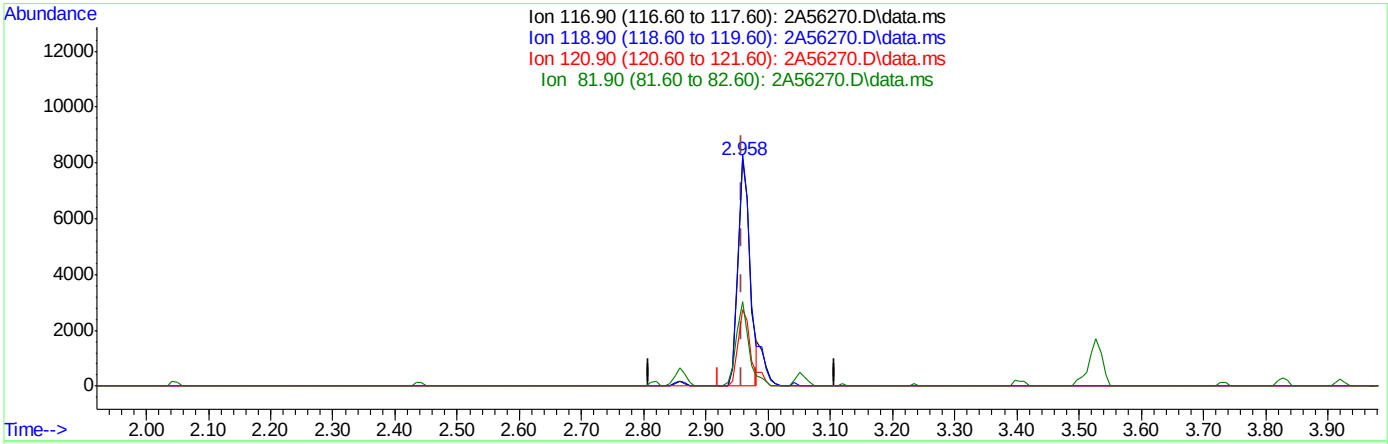
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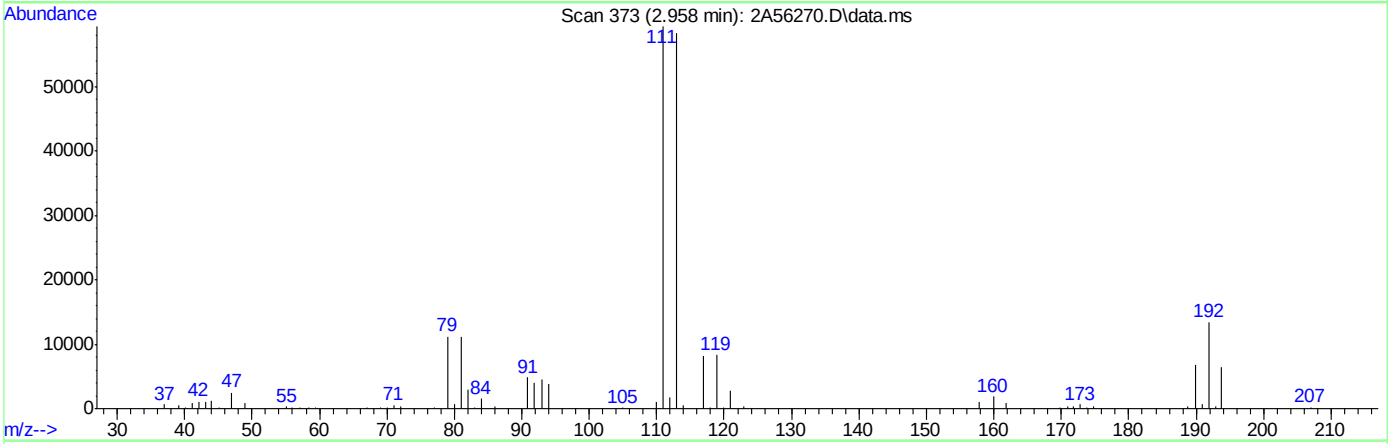
Ion	Exp%	Act%
116.90	100	100
118.90	96.30	102.37
120.90	31.00	33.84
81.90	19.00	37.33

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56270.D
Acq On : 25 Jun 2024 9:11 am
Operator : jeniferw
Sample : IC1910-2
Misc : MS56892,V2A1910,,,,,
ALS Vial : 54 Sample Multiplier: 1

Quant Time: Jun 25 11:23:20 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56270.D\data.ms

(40) Carbon Tetrachloride ( )

2.958min (+0.000) 4.89ug/L m

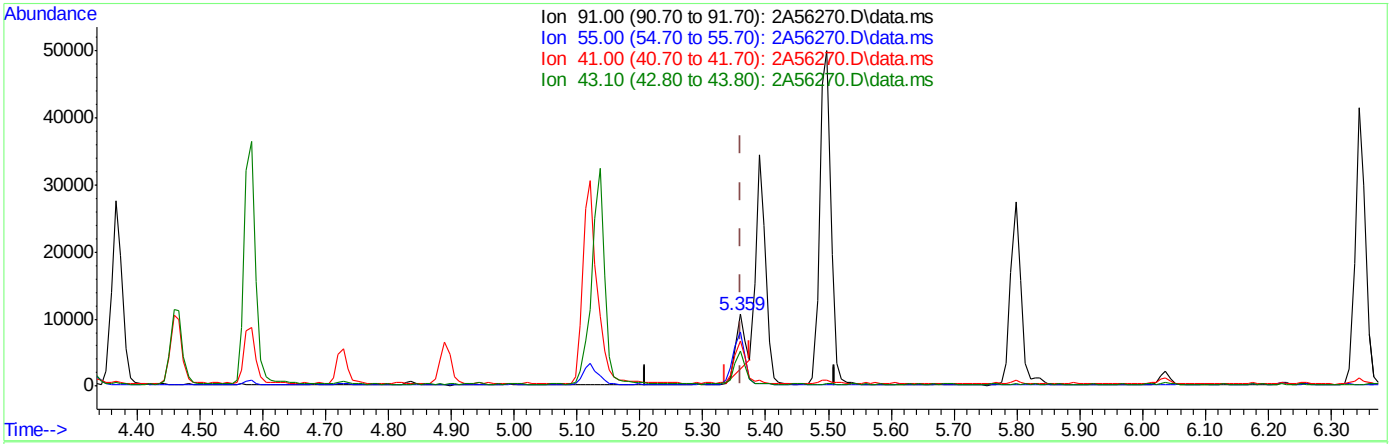
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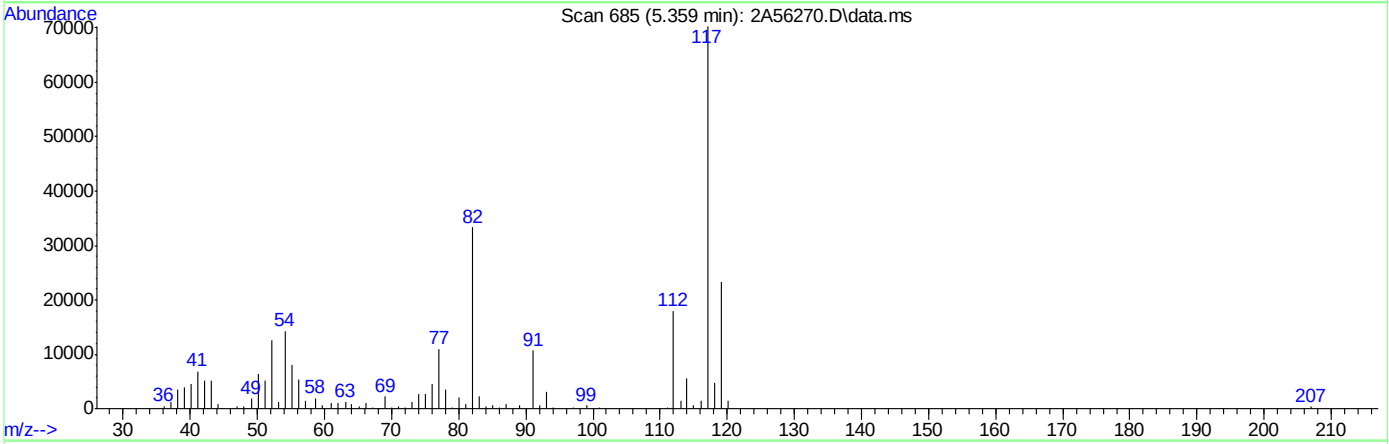
Ion	Exp%	Act%
116.90	100	100
118.90	96.30	102.37
120.90	31.00	33.84
81.90	19.00	37.33

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56270.D
Acq On : 25 Jun 2024 9:11 am
Operator : jeniferw
Sample : IC1910-2
Misc : MS56892,V2A1910,,,,,
ALS Vial : 54 Sample Multiplier: 1

Quant Time: Jun 25 11:23:20 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56270.D\data.ms

(76) 1-Chlorohexane

5.359min (-0.001) 4.25ug/L

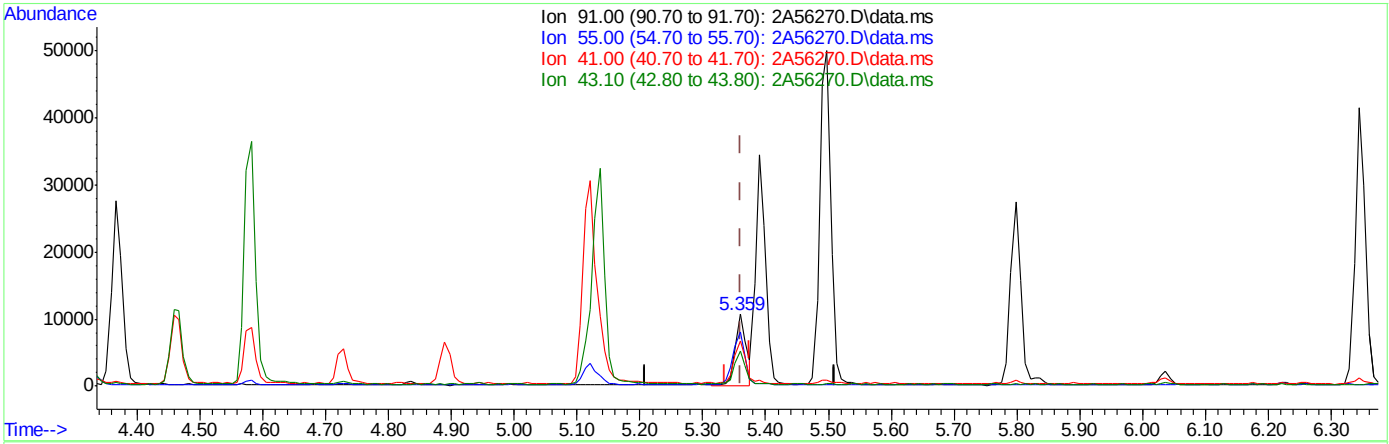
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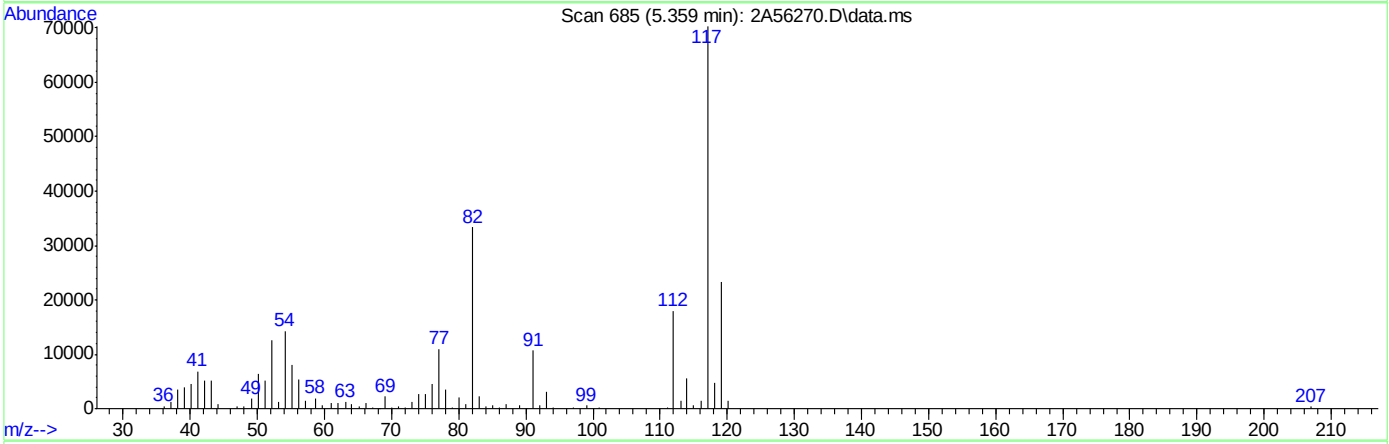
Ion	Exp%	Act%
91.00	100	100
55.00	58.90	70.00
41.00	39.20	60.21#
43.10	33.20	45.83

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56270.D
Acq On : 25 Jun 2024 9:11 am
Operator : jeniferw
Sample : IC1910-2
Misc : MS56892,V2A1910,,,,,
ALS Vial : 54 Sample Multiplier: 1

Quant Time: Jun 25 11:23:20 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56270.D\data.ms

(76) 1-Chlorohexane

5.359min (-0.001) 6.78ug/L m

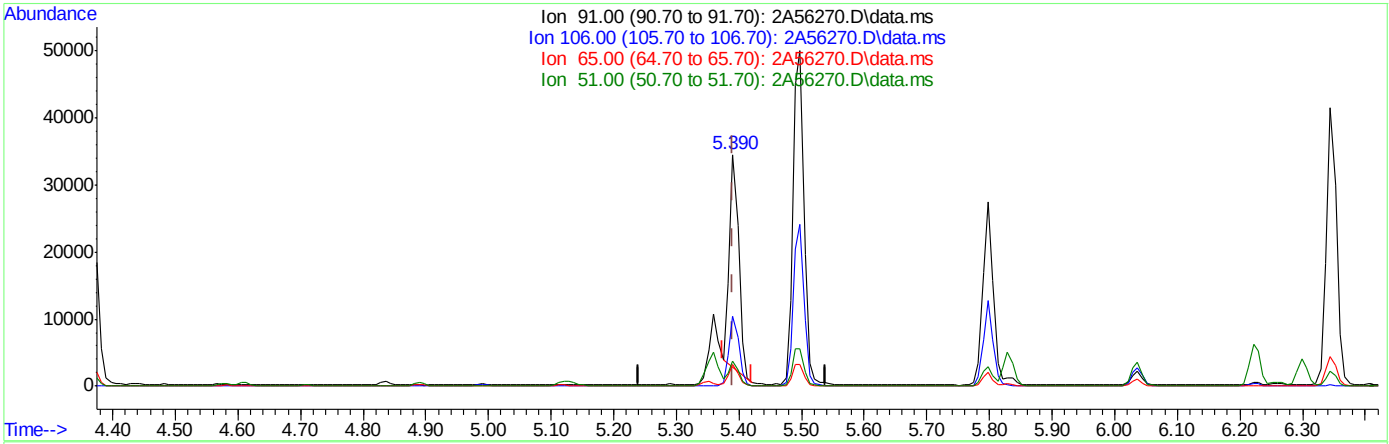
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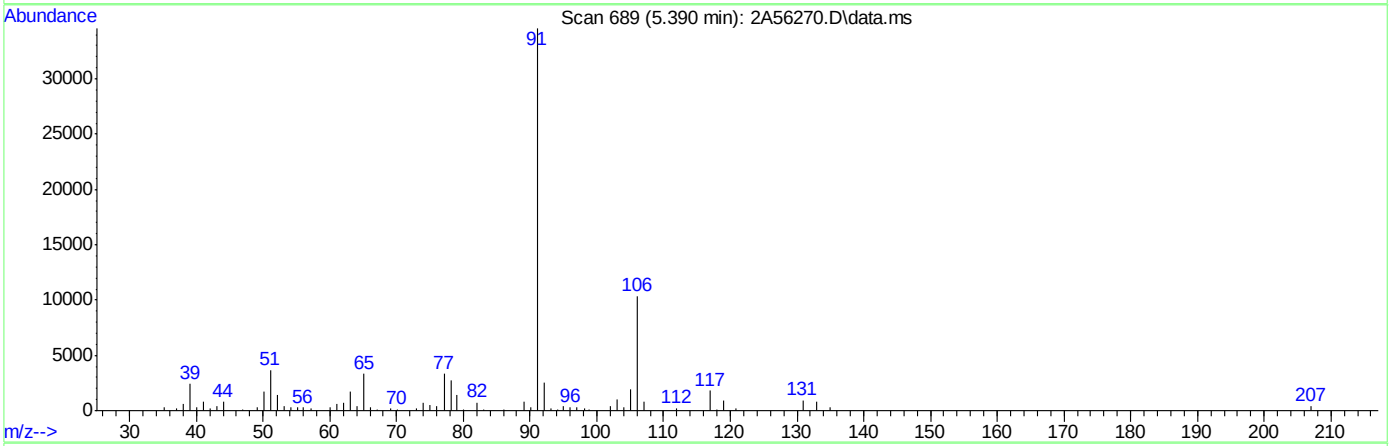
Ion	Exp%	Act%
91.00	100	100
55.00	58.90	76.03
41.00	39.20	63.79#
43.10	33.20	48.68

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56270.D
Acq On : 25 Jun 2024 9:11 am
Operator : jeniferw
Sample : IC1910-2
Misc : MS56892,V2A1910,,,,,
ALS Vial : 54 Sample Multiplier: 1

Quant Time: Jun 25 11:23:20 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56270.D\data.ms

(77) Ethylbenzene

5.390min (+0.000) 5.40ug/L

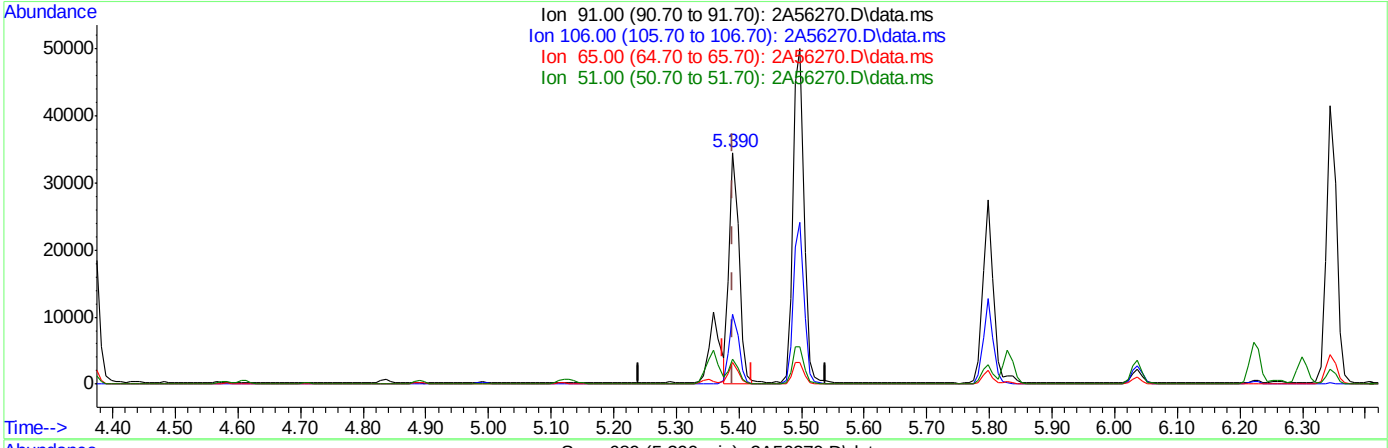
response 31668

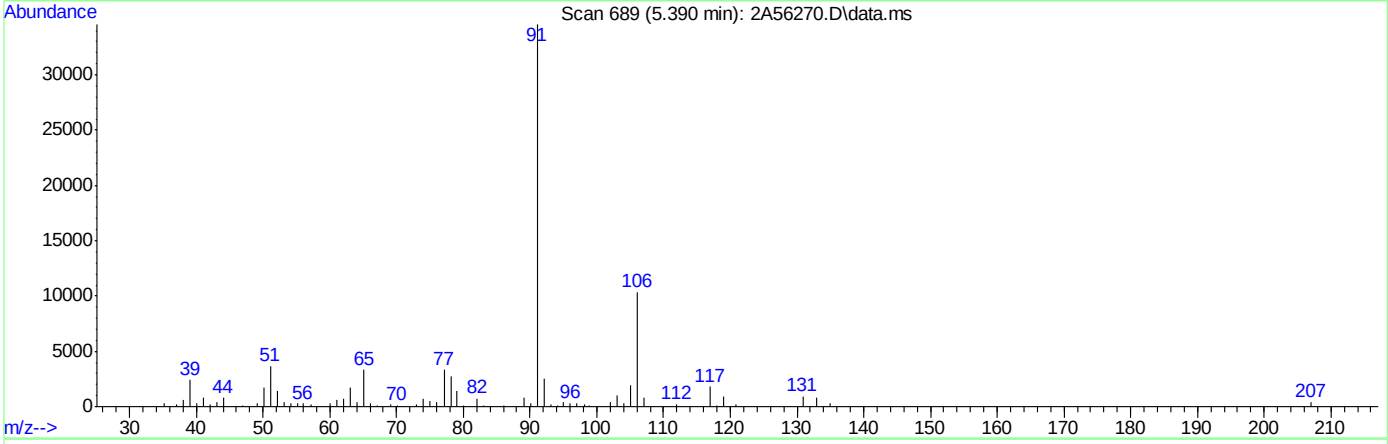
Ion	Exp%	Act%
91.00	100	100
106.00	34.30	30.48
65.00	7.10	9.75
51.00	7.10	10.79

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56270.D
Acq On : 25 Jun 2024 9:11 am
Operator : jeniferw
Sample : IC1910-2
Misc : MS56892,V2A1910,,,,,
ALS Vial : 54 Sample Multiplier: 1

Quant Time: Jun 25 11:23:20 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56270.D\data.ms

(77) Ethylbenzene

5.390min (+0.000) 6.40ug/L m

response 37564

Ion	Exp%	Act%
91.00	100	100
106.00	34.30	30.00
65.00	7.10	9.59
51.00	7.10	10.62

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
06/26/24 07:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56272.D
Acq On : 25 Jun 2024 9:43 am
Operator : jeniferw
Sample : IC1910-3
Misc : MS56892,V2A1910,,,,,
ALS Vial : 55 Sample Multiplier: 1

Quant Time: Jun 25 11:57:24 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	3.405	96	290777	50.00	ug/L		0.00
62) Chlorobenzene-d5	5.352	117	213893	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	7.091	152	129243	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	2.950	113	84916	49.12	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.24%				
49) 1,2-Dichloroethane-d4	3.235	65	102050	63.66	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 127.32%#				
63) Toluene-d8	4.336	98	295093	55.10	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 110.20%				
86) 4-Bromofluorobenzene	6.229	174	102012	49.49	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.98%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.026	85	13953	9.39	ug/L		98
3) Chloromethane	1.126	50	16638	12.52	ug/L		100
4) 1,3-butadiene	1.188	39	20150	27.58	ug/L	#	77
5) Vinyl Chloride	1.173	62	15816	14.67	ug/L		100
6) Bromomethane	1.350	94	7552	16.92	ug/L		96
7) Chloroethane	1.419	64	9616	17.00	ug/L		93
8) Trichlorofluoromethane	1.496	101	22668	12.03	ug/L		98
9) Ethyl Ether	1.657	59	11870	14.08	ug/L		89
10) Ethanol	1.704	45	3837m	352.05	ug/L		
11) 1,2-Dichlorotrifluoroe...	1.750	67	12263	13.68	ug/L		93
12) 1,1-Dichloroethene	1.765	61	22467	13.68	ug/L		90
13) Freon 113	1.788	101	14215	10.20	ug/L	#	87
14) Carbon Disulfide	1.781	76	42647	11.47	ug/L		78
15) Iodomethane	1.834	142	7197	8.08	ug/L		87
16) Acrolein	1.904	56	13880	61.19	ug/L		97
17) Allyl chloride	1.996	41	21397	16.76	ug/L		82
18) Methylene Chloride	2.042	49	21680	16.15	ug/L	#	70
19) Acetone	2.050	43	28777	81.70	ug/L		82
20) Methyl acetate	2.127	43	72309	78.19	ug/L		89
21) trans-1,2-Dichloroethene	2.135	61	21620	13.36	ug/L	#	75
22) Hexane	2.196	56	13204	11.94	ug/L	#	80
23) Methyl Tert Butyl Ether	2.196	73	41832	12.79	ug/L		69
24) Acetonitrile	2.273	41	19298	144.39	ug/L		97
25) Tert Butyl Alcohol	2.212	59	24332	140.76	ug/L		72
26) Di-isopropyl ether	2.389	45	45748	17.62	ug/L		84
27) Chloroprene	2.435	53	59883	14.65	ug/L		88
28) 1,1-Dichloroethane	2.442	63	27739	12.93	ug/L		99
29) Acrylonitrile	2.435	52	37186	76.76	ug/L		94
30) ETBE	2.581	59	44090	14.07	ug/L		91
31) Vinyl acetate	2.558	43	185708	101.66	ug/L		98
32) cis-1,2-Dichloroethene	2.720	96	16251	10.29	ug/L	#	75
33) 2,2-Dichloropropane	2.781	77	22047	13.04	ug/L		95
34) Bromochloromethane	2.820	128	8053	8.85	ug/L	#	64
35) Cyclohexane	2.858	56	27587	14.38	ug/L	#	81

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56272.D
Acq On : 25 Jun 2024 9:43 am
Operator : jeniferw
Sample : IC1910-3
Misc : MS56892,V2A1910,,,,,
ALS Vial : 55 Sample Multiplier: 1

Quant Time: Jun 25 11:57:24 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Chloroform	2.858	83	28459	11.58	ug/L		94
37) Ethyl acetate	2.912	43	99386	93.75	ug/L		91
38) Tetrahydrofuran	2.943	42	7300	17.40	ug/L		82
40) Carbon Tetrachloride	2.958	117	22350m	9.91	ug/L		
41) 1,1,1-Trichloroethane	2.989	97	24449	10.98	ug/L		94
42) 2-Butanone	2.997	43	48090	84.40	ug/L		79
43) 1,1-Dichloropropene	3.050	75	20240	12.72	ug/L		77
44) tert-Butyl formate	3.089	59	58432	63.30	ug/L		97
45) Propionitrile	3.143	54	26816	123.73	ug/L		99
46) Methacrylonitrile	3.166	41	105576	161.32	ug/L		94
47) Benzene	3.181	78	57307	11.33	ug/L		89
48) TAME	3.251	73	37843	12.50	ug/L		80
50) 1,2-Dichloroethane	3.274	62	21513	13.22	ug/L		95
51) Isobutyl Alcohol	3.251	43	29402	319.92	ug/L		83
52) Tert Amyl Alcohol	3.320	59	19740	143.57	ug/L		91
53) Trichloroethene	3.505	95	16613	11.20	ug/L		83
54) Methylcyclohexane	3.528	83	26473	11.25	ug/L		83
55) Dibromomethane	3.728	93	10202	11.49	ug/L	#	71
56) 1,2-Dichloropropane	3.789	63	14853	13.23	ug/L		88
57) Bromodichloromethane	3.828	83	20610	11.90	ug/L	#	96
58) Methyl methacrylate	3.920	41	13286	16.73	ug/L	#	71
59) 1,4-Dioxane	3.936	88	3206	210.01	ug/L		86
60) 2-Chloroethyl vinyl ether	4.159	63	52300	73.71	ug/L		81
61) cis-1,3-Dichloropropene	4.205	75	22915	12.46	ug/L		78
64) Toluene	4.367	91	63392	12.16	ug/L		100
65) 2-Nitropropane	4.459	41	27955	102.36	ug/L		91
66) 4-Methyl-2-pentanone	4.582	43	97544	99.73	ug/L		87
67) trans-1,3-Dichloropropene	4.613	75	20918	13.64	ug/L		80
68) Tetrachloroethene	4.628	166	16329	8.63	ug/L		94
69) Ethyl methacrylate	4.728	69	18215	13.94	ug/L	#	65
70) 1,1,2-Trichloroethane	4.713	83	11408	12.98	ug/L		88
71) Dibromochloromethane	4.836	129	14782	10.06	ug/L		97
72) 1,3-Dichloropropane	4.890	76	21132	13.07	ug/L		77
73) 1,2-Dibromoethane	4.990	107	14403	11.24	ug/L		95
74) 3,3-Dimethyl-1-Butanol	5.121	57	122296	820.13	ug/L		95
75) 2-hexanone	5.136	43	98425	102.47	ug/L		74
76) 1-Chlorohexane	5.359	91	24070m	12.78	ug/L		
77) Ethylbenzene	5.390	91	73002m	12.54	ug/L		
78) Chlorobenzene	5.359	112	41259	10.97	ug/L		83
79) 1,1,1,2-Tetrachloroethane	5.406	131	13901	10.10	ug/L		97
80) m,p-Xylene	5.498	91	119650	25.05	ug/L		94
81) o-Xylene	5.798	91	62747	12.89	ug/L		92
82) Styrene	5.829	104	45451	12.14	ug/L		90
83) Bromoform	5.837	173	10475	8.82	ug/L		98
84) Isopropylbenzene	6.037	105	73797	11.84	ug/L		96
87) cis-1,4-Dichloro-2-butene	6.260	53	4680	12.44	ug/L	#	73
88) n-Propylbenzene	6.345	91	91046	14.54	ug/L		89
89) Bromobenzene	6.298	156	17327	10.40	ug/L	#	60
90) 1,1,2,2-Tetrachloroethane	6.368	83	20810	14.73	ug/L		95
91) 1,3,5-Trimethylbenzene	6.498	105	62139	13.12	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56272.D
Acq On : 25 Jun 2024 9:43 am
Operator : jeniferw
Sample : IC1910-3
Misc : MS56892,V2A1910,,,,,
ALS Vial : 55 Sample Multiplier: 1

Quant Time: Jun 25 11:57:24 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration

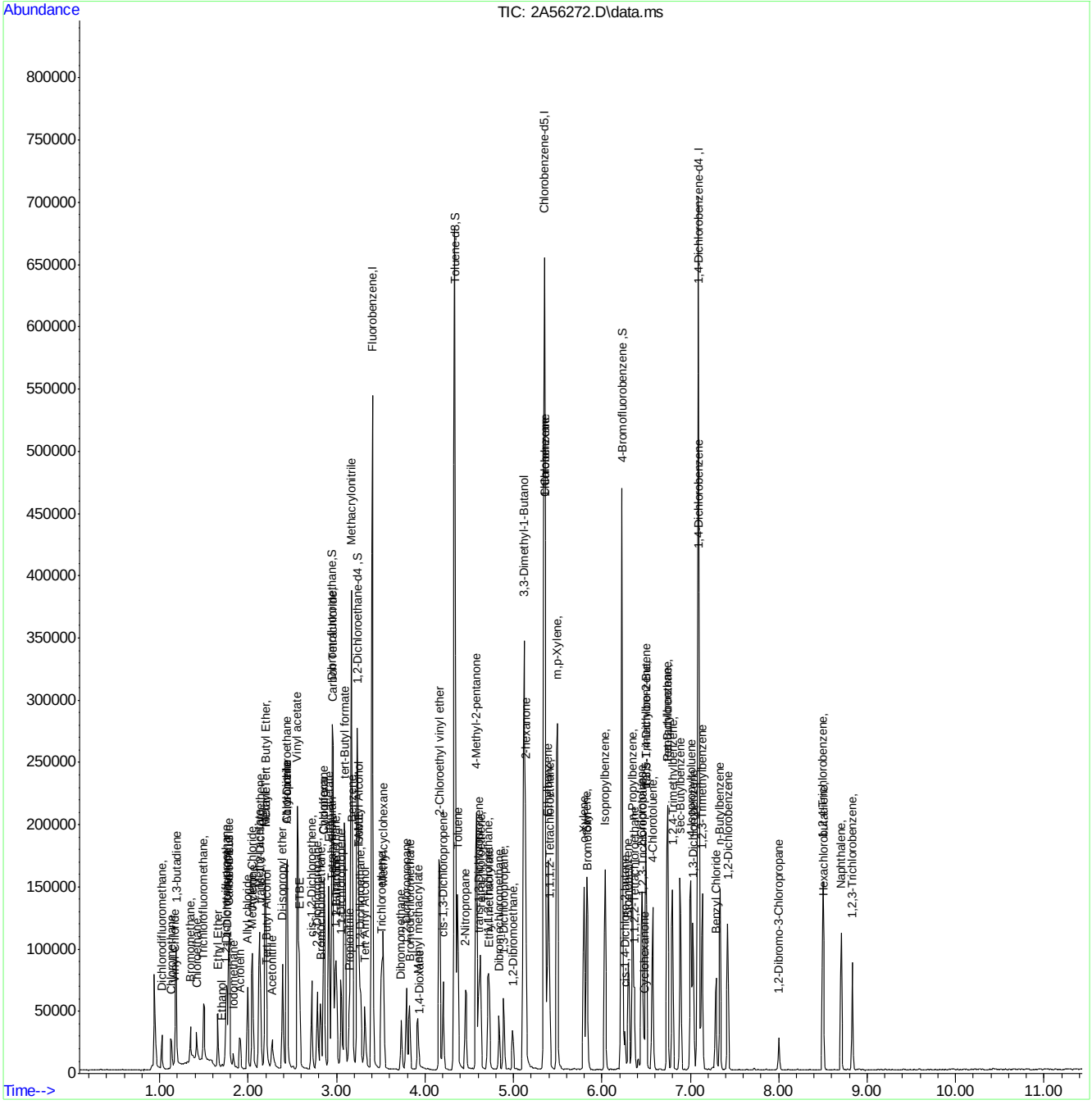
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92)	2-Chlorotoluene	6.452	91	50382	13.87	ug/L		95
93)	trans-1,4-Dichloro-2-B...	6.498	53	6293	14.21	ug/L	#	66
94)	1,2,3-Trichloropropane	6.460	110	5545	11.86	ug/L	#	60
95)	Cyclohexanone	6.475	55	3411	88.03	ug/L	#	82
96)	4-Chlorotoluene	6.575	91	54787	14.19	ug/L		90
97)	tert-Butylbenzene	6.745	91	37923	14.78	ug/L		84
98)	1,2,4-Trimethylbenzene	6.799	105	58095	11.61	ug/L		98
99)	Pentachloroethane	6.745	167	9068	9.10	ug/L	#	43
100)	sec-Butylbenzene	6.883	105	79089	12.93	ug/L		92
101)	4-Isopropyltoluene	7.006	119	66778	12.71	ug/L		96
102)	1,3-Dichlorobenzene	7.029	146	34496	10.49	ug/L		91
103)	1,2,3-Trimethylbenzene	7.137	105	58957	12.77	ug/L		96
104)	1,4-Dichlorobenzene	7.099	146	34455	10.41	ug/L		85
105)	n-Butylbenzene	7.337	92	30653	12.98	ug/L		92
106)	Benzyl Chloride	7.291	126	7621	11.42	ug/L	#	72
107)	1,2-Dichlorobenzene	7.422	146	31482	10.80	ug/L		90
108)	1,2-Dibromo-3-Chloropr...	7.999	75	4274	15.06	ug/L	#	44
109)	Hexachlorobutadiene	8.507	225	8847	8.59	ug/L		93
110)	1,2,4-Trichlorobenzene	8.499	180	19186	9.92	ug/L		96
111)	Naphthalene	8.707	128	53220	12.49	ug/L		99
112)	1,2,3-Trichlorobenzene	8.830	180	17130	9.57	ug/L		94

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56272.D
Acq On : 25 Jun 2024 9:43 am
Operator : jeniferw
Sample : IC1910-3
Misc : MS56892,V2A1910,,,,,
ALS Vial : 55 Sample Multiplier: 1

Quant Time: Jun 25 11:57:24 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration



Manual Integration Approval Summary

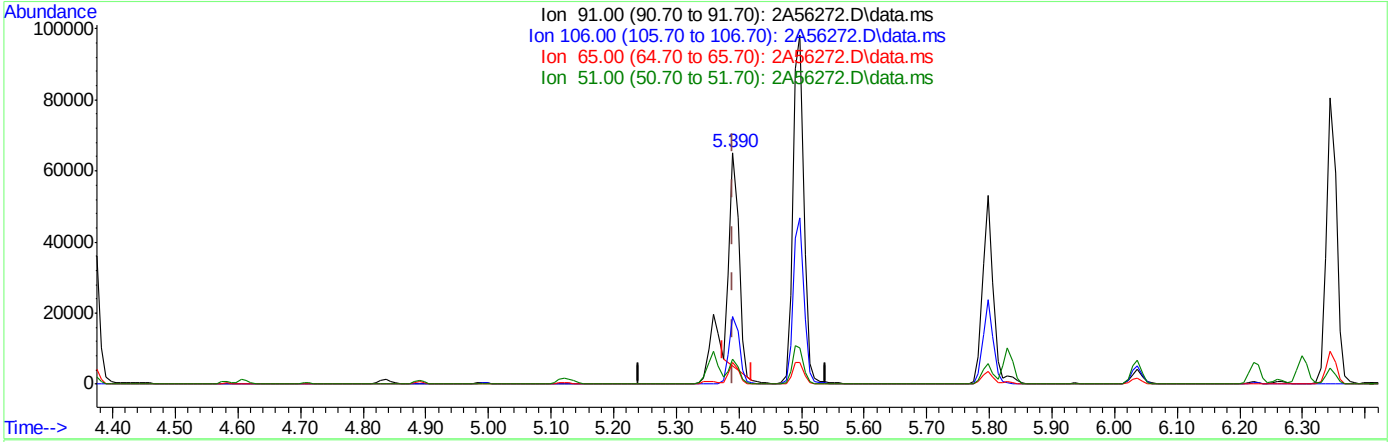
Sample Number: V2A1910-IC1910
Lab FileID: 2A56272.D
Injection Time: 06/25/24 09:43
Method: SW846 8260D
Analyst approved: 06/25/24 13:54 Jenifer Willis
Supervisor approved: 06/26/24 07:53 Karen Watson

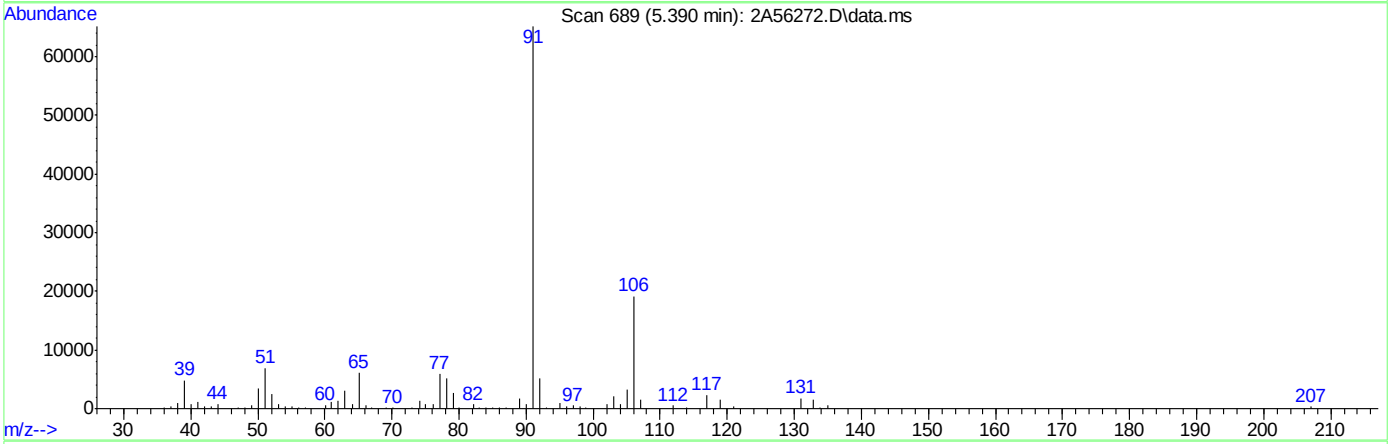
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		1.70	Poorly defined baseline
Carbon Tetrachloride	56-23-5		2.96	Overlapping peak
1-Chlorohexane	544-10-5		5.36	Poorly defined baseline
Ethylbenzene	100-41-4		5.39	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56272.D
Acq On : 25 Jun 2024 9:43 am
Operator : jeniferw
Sample : IC1910-3
Misc : MS56892,V2A1910,,,,,
ALS Vial : 55 Sample Multiplier: 1

Quant Time: Jun 25 11:23:22 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56272.D\data.ms

(77) Ethylbenzene

5.390min (+0.000) 10.65ug/L

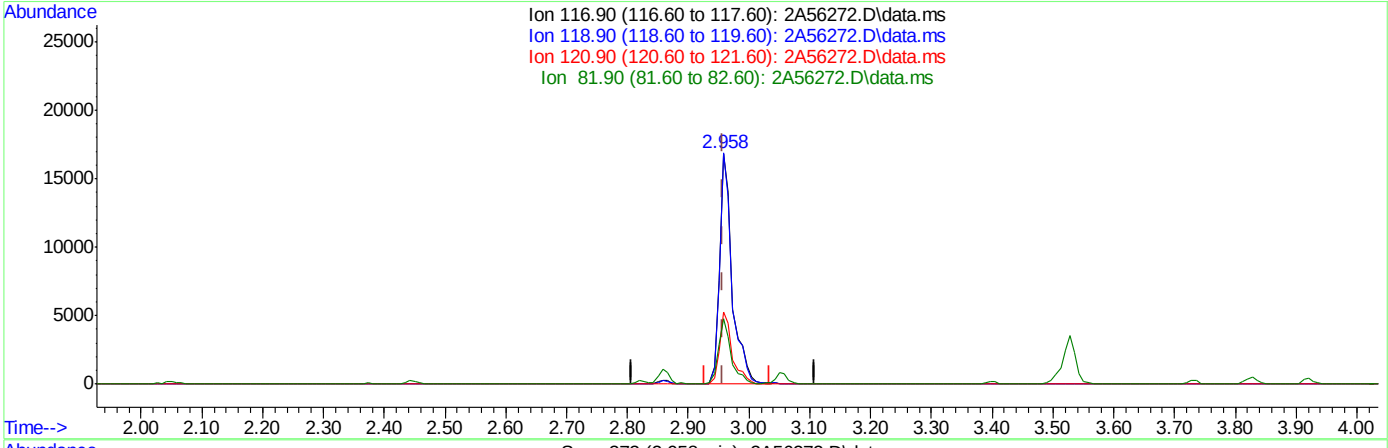
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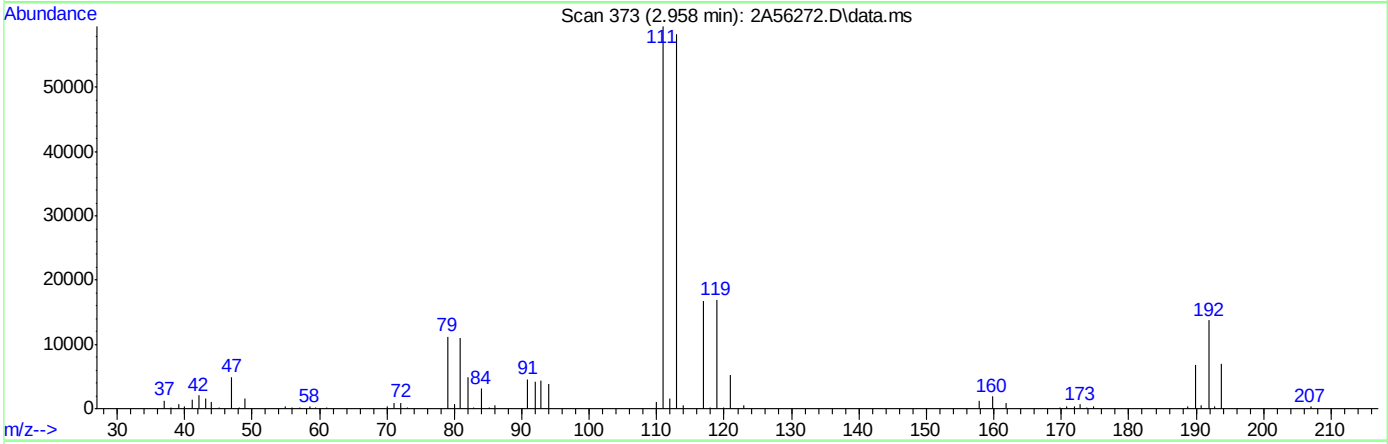
Ion	Exp%	Act%
91.00	100	100
106.00	34.30	29.36
65.00	7.10	9.25
51.00	7.10	10.55

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56272.D
Acq On : 25 Jun 2024 9:43 am
Operator : jeniferw
Sample : IC1910-3
Misc : MS56892,V2A1910,,,,,
ALS Vial : 55 Sample Multiplier: 1

Quant Time: Jun 25 11:23:22 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56272.D\data.ms

(40) Carbon Tetrachloride ( )

2.958min (+0.000) 10.93ug/L

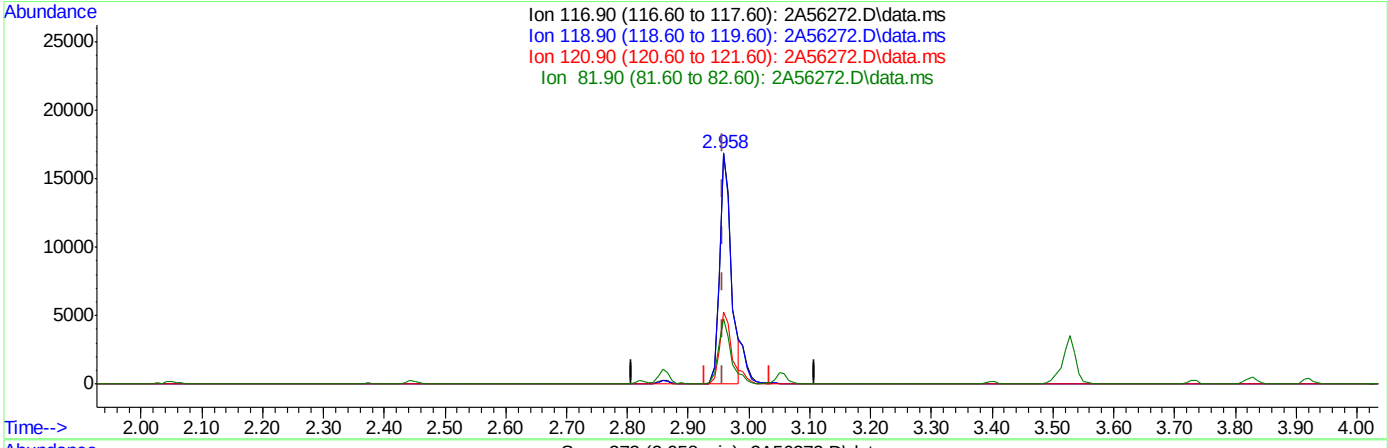
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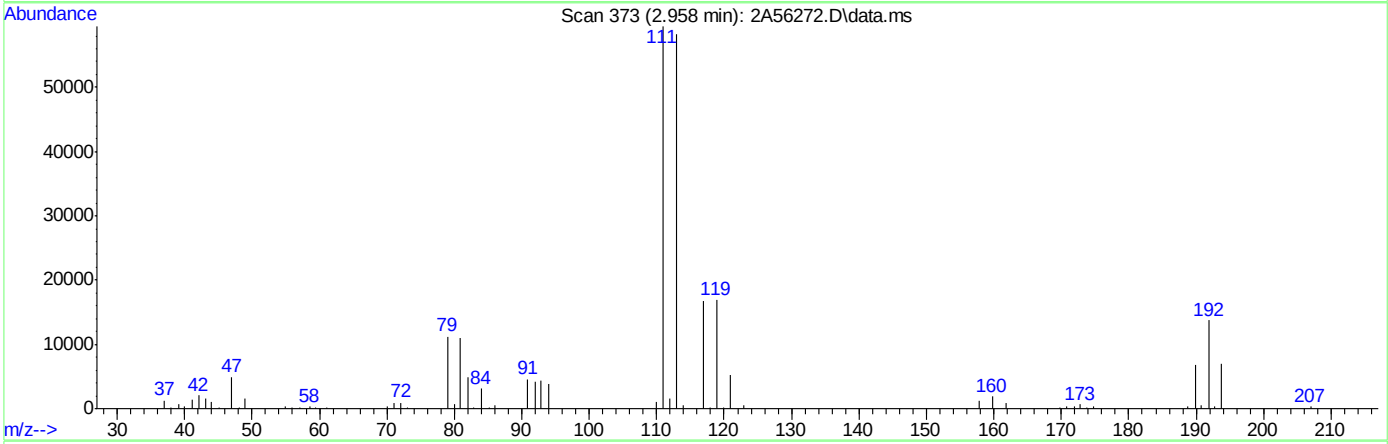
Ion	Exp%	Act%
116.90	100	100
118.90	96.30	100.57
120.90	31.00	31.52
81.90	19.00	28.59

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56272.D
Acq On : 25 Jun 2024 9:43 am
Operator : jeniferw
Sample : IC1910-3
Misc : MS56892,V2A1910,,,,,
ALS Vial : 55 Sample Multiplier: 1

Quant Time: Jun 25 11:23:22 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56272.D\data.ms

(40) Carbon Tetrachloride ( )

2.958min (+0.000) 9.91ug/L m

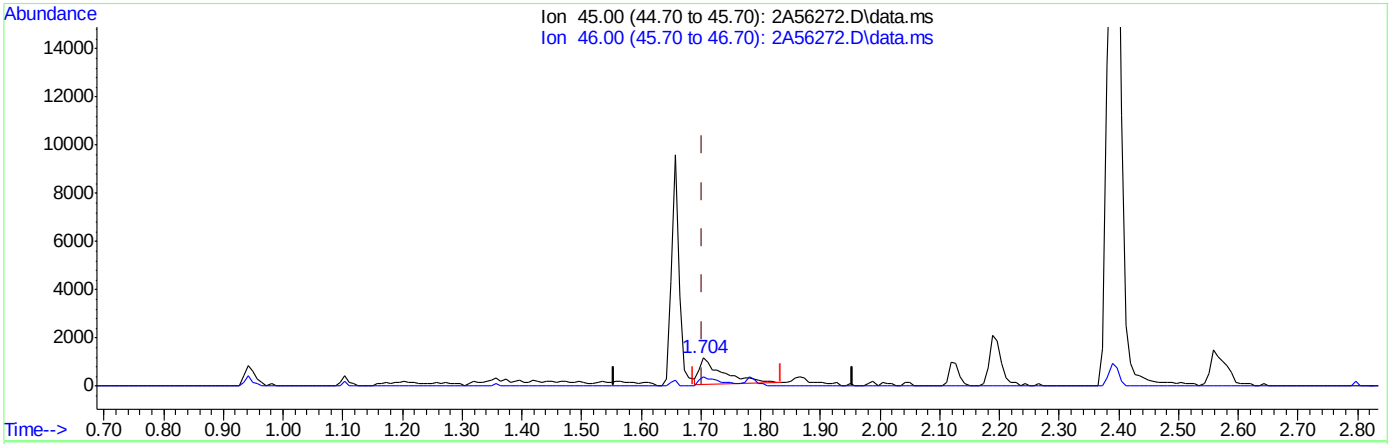
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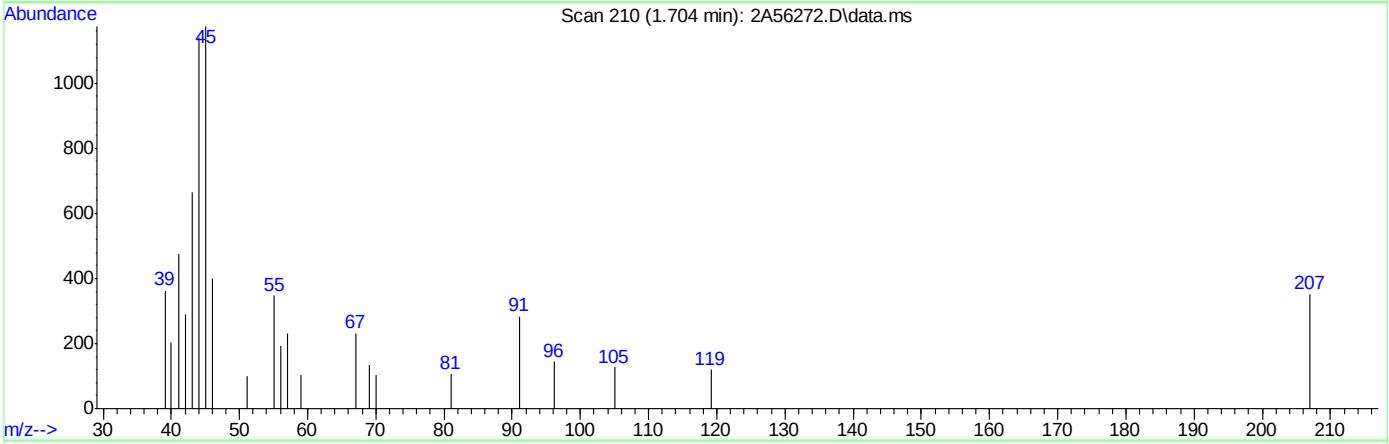
Ion	Exp%	Act%
116.90	100	100
118.90	96.30	100.57
120.90	31.00	31.52
81.90	19.00	28.59

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56272.D
Acq On : 25 Jun 2024 9:43 am
Operator : jeniferw
Sample : IC1910-3
Misc : MS56892,V2A1910,,,,,
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Quant Time: Jun 25 11:23:22 2024
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Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56272.D\data.ms

(10) Ethanol

1.704min (-0.000) 282.22ug/L

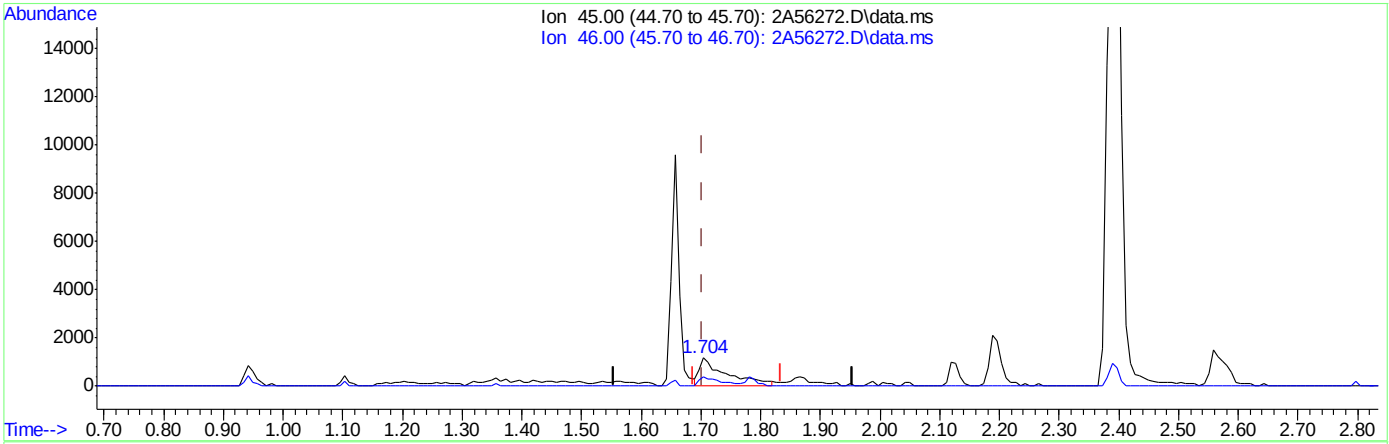
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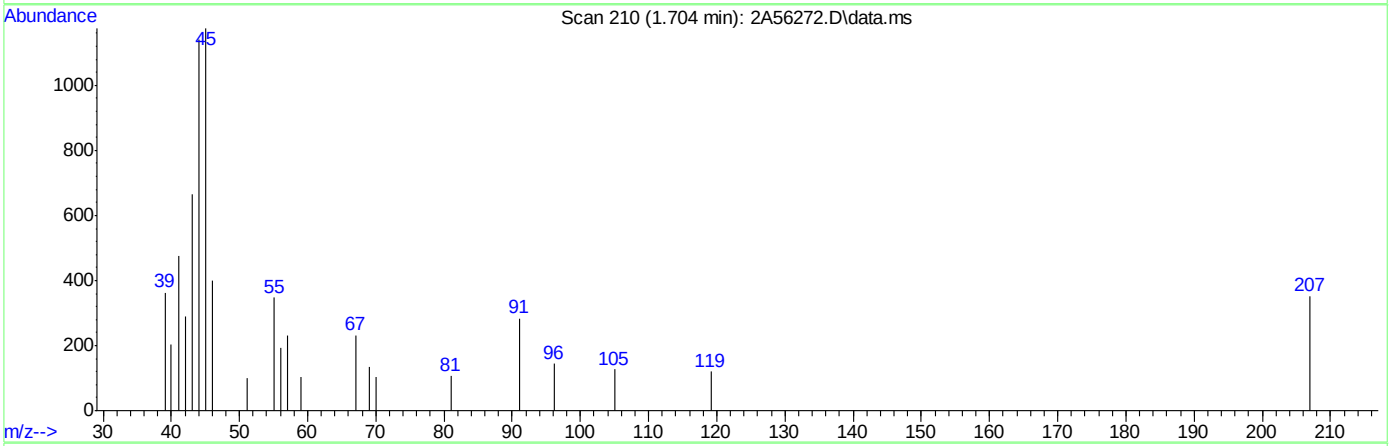
Ion	Exp%	Act%
45.00	100	100
46.00	46.00	39.66
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56272.D
Acq On : 25 Jun 2024 9:43 am
Operator : jeniferw
Sample : IC1910-3
Misc : MS56892,V2A1910,,,,,
ALS Vial : 55 Sample Multiplier: 1

Quant Time: Jun 25 11:23:22 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56272.D\data.ms

(10) Ethanol

1.704min (-0.000) 352.05ug/L m

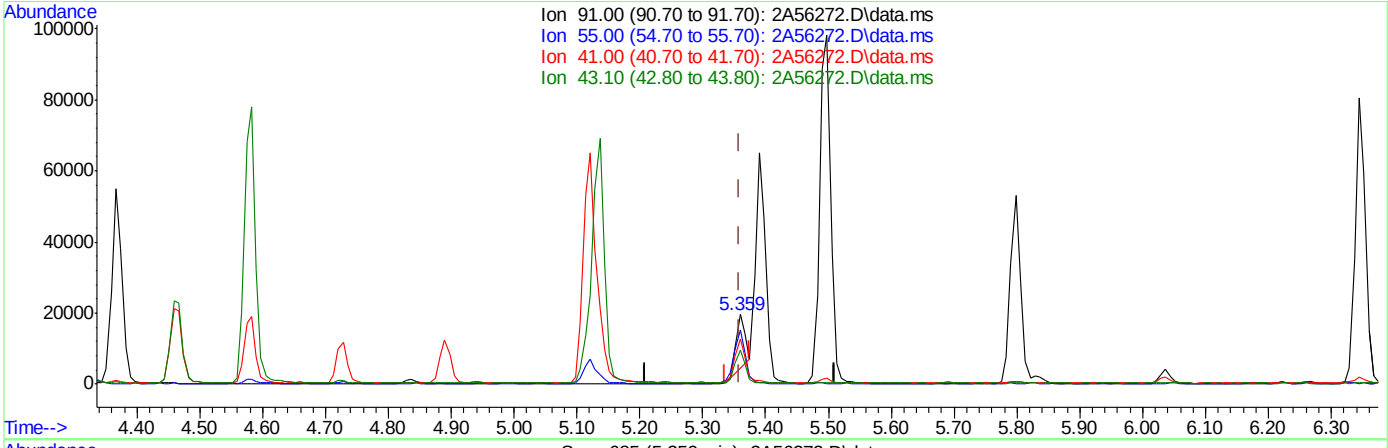
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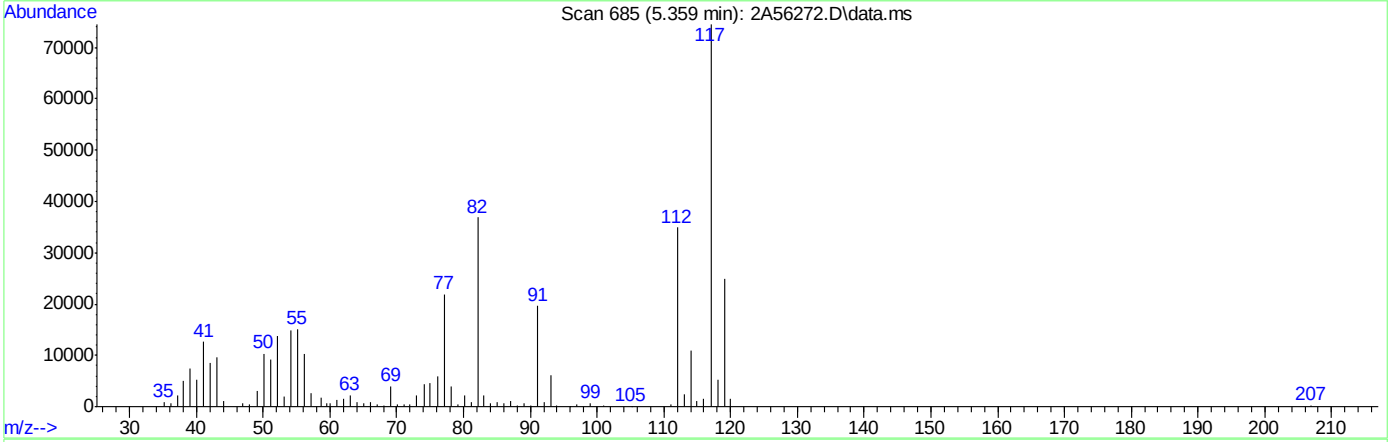
Ion	Exp%	Act%
45.00	100	100
46.00	46.00	34.13
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56272.D
Acq On : 25 Jun 2024 9:43 am
Operator : jeniferw
Sample : IC1910-3
Misc : MS56892,V2A1910,,,,,
ALS Vial : 55 Sample Multiplier: 1

Quant Time: Jun 25 11:23:22 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56272.D\data.ms

(76) 1-Chlorohexane

5.359min (-0.001) 8.36ug/L

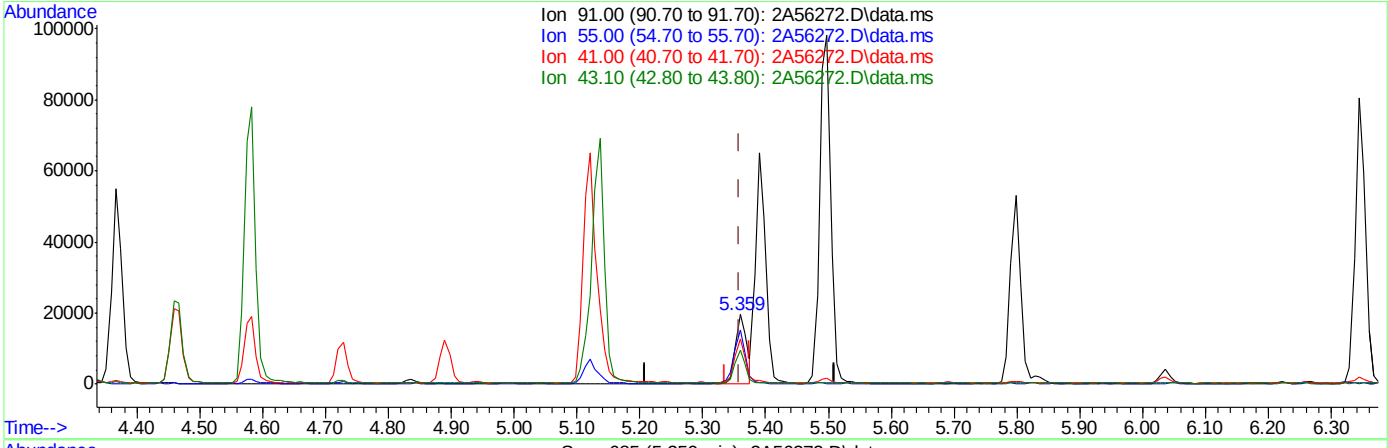
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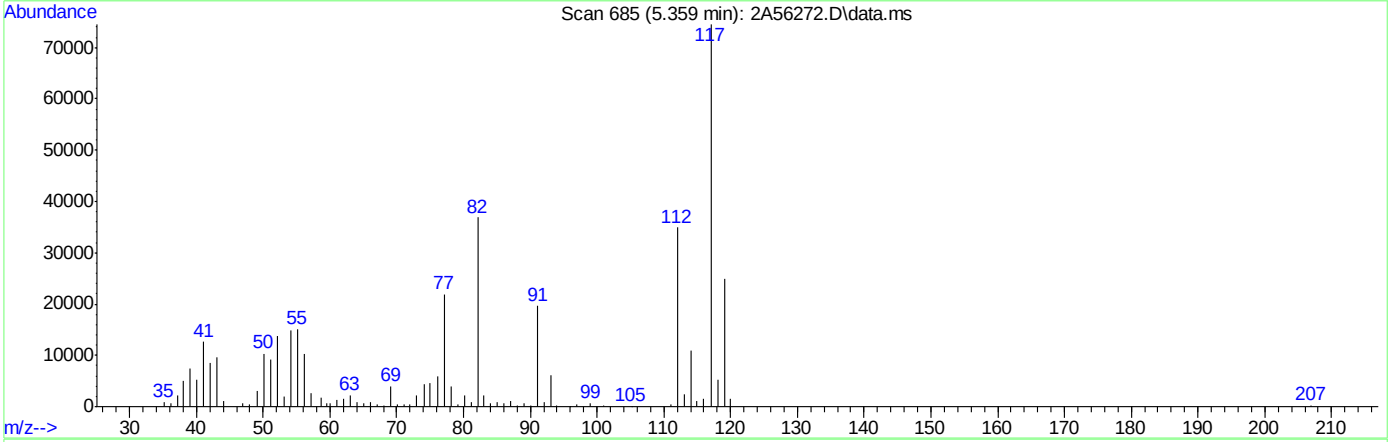
Ion	Exp%	Act%
91.00	100	100
55.00	58.90	73.35
41.00	39.20	62.03#
43.10	33.20	46.76

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56272.D
Acq On : 25 Jun 2024 9:43 am
Operator : jeniferw
Sample : IC1910-3
Misc : MS56892,V2A1910,,,,,
ALS Vial : 55 Sample Multiplier: 1

Quant Time: Jun 25 11:23:22 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56272.D\data.ms

(76) 1-Chlorohexane

5.359min (-0.001) 12.78ug/L m

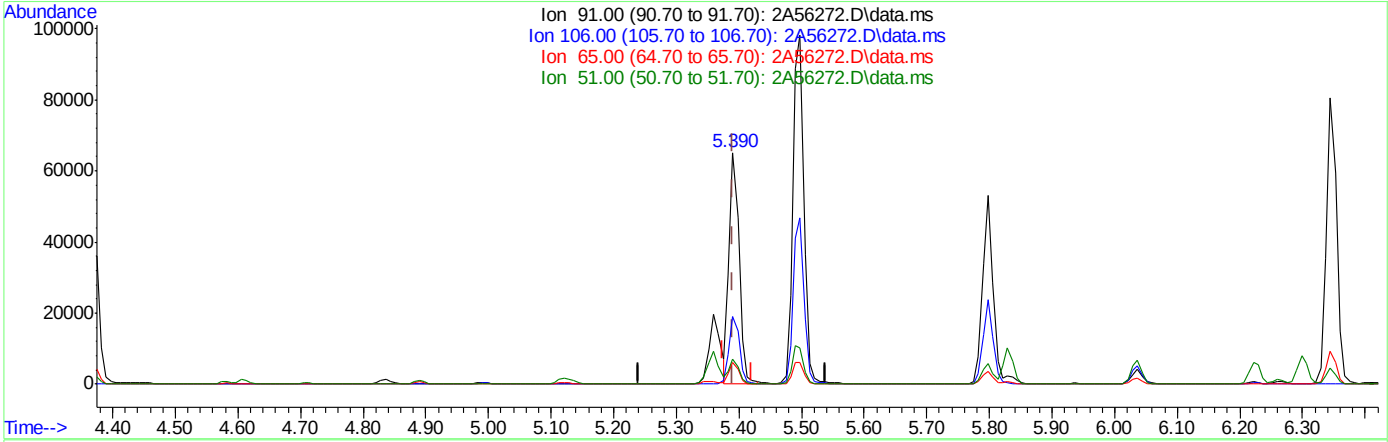
response 24070

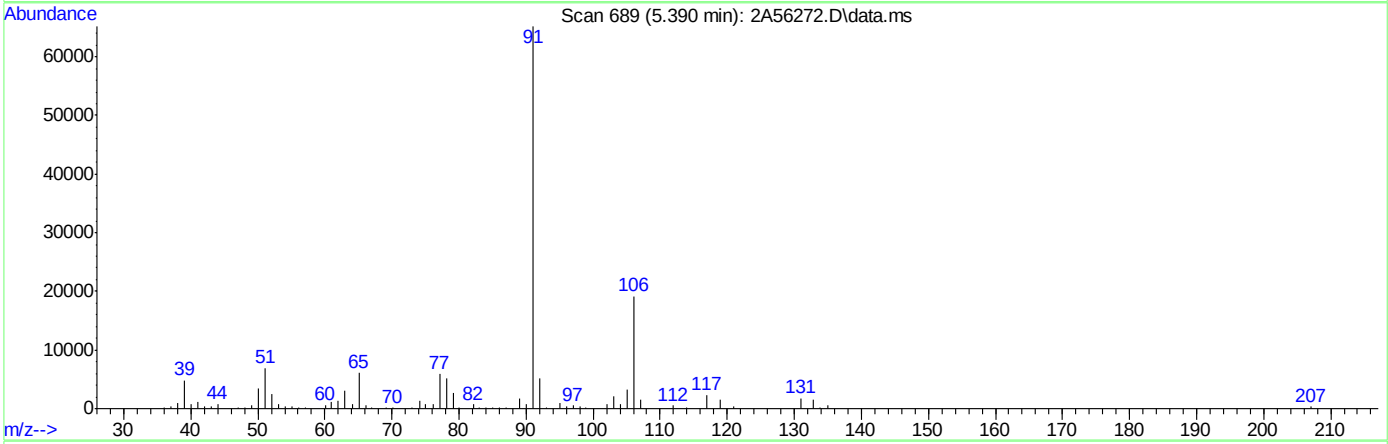
Ion	Exp%	Act%
91.00	100	100
55.00	58.90	77.16
41.00	39.20	64.61#
43.10	33.20	48.63

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56272.D
Acq On : 25 Jun 2024 9:43 am
Operator : jeniferw
Sample : IC1910-3
Misc : MS56892,V2A1910,,,,,
ALS Vial : 55 Sample Multiplier: 1

Quant Time: Jun 25 11:23:22 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56272.D\data.ms

(77) Ethylbenzene

5.390min (+0.000) 12.54ug/L m

response 73002

Ion	Exp%	Act%
91.00	100	100
106.00	34.30	29.45
65.00	7.10	9.29
51.00	7.10	10.69

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
06/26/24 07:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56274.D
Acq On : 25 Jun 2024 10:15 am
Operator : jeniferw
Sample : IC1910-4
Misc : MS56892,V2A1910,,,,,
ALS Vial : 56 Sample Multiplier: 1

Quant Time: Jun 25 11:58:10 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	3.404	96	294559	50.00	ug/L		0.00
62) Chlorobenzene-d5	5.351	117	213174	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	7.091	152	128717	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	2.950	113	83854	47.88	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 95.76%				
49) 1,2-Dichloroethane-d4	3.235	65	102855	63.34	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 126.68%#				
63) Toluene-d8	4.336	98	295258	55.32	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 110.64%				
86) 4-Bromofluorobenzene	6.229	174	101348	49.37	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.74%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.018	85	35457	23.56	ug/L		95
3) Chloromethane	1.126	50	39105	29.05	ug/L		99
4) 1,3-butadiene	1.180	39	49437	66.79	ug/L	#	73
5) Vinyl Chloride	1.172	62	39054	35.77	ug/L		98
6) Bromomethane	1.342	94	17218	38.08	ug/L		98
7) Chloroethane	1.411	64	22039	43.41	ug/L		96
8) Trichlorofluoromethane	1.496	101	55563	29.11	ug/L		98
9) Ethyl Ether	1.657	59	28751	33.66	ug/L		93
10) Ethanol	1.703	45	7969	721.77	ug/L		79
11) 1,2-Dichlorotrifluoroe...	1.742	67	29653	32.65	ug/L		87
12) 1,1-Dichloroethene	1.757	61	55024	33.08	ug/L		86
13) Freon 113	1.788	101	34707	24.59	ug/L		91
14) Carbon Disulfide	1.780	76	104611	27.77	ug/L		81
15) Iodomethane	1.834	142	26195	25.89	ug/L		91
16) Acrolein	1.904	56	36021	156.75	ug/L		97
17) Allyl chloride	1.996	41	54572	42.19	ug/L		82
18) Methylene Chloride	2.042	49	50236	36.94	ug/L	#	71
19) Acetone	2.050	43	76155	213.44	ug/L		83
20) Methyl acetate	2.119	43	181530	193.78	ug/L		86
21) trans-1,2-Dichloroethene	2.134	61	53192	32.45	ug/L		77
22) Hexane	2.196	56	34197	30.52	ug/L	#	81
23) Methyl Tert Butyl Ether	2.188	73	101676	30.70	ug/L		88
24) Acetonitrile	2.273	41	50270	389.01	ug/L		95
25) Tert Butyl Alcohol	2.204	59	57232	326.83	ug/L	#	1
26) Di-isopropyl ether	2.388	45	110997	42.20	ug/L		86
27) Chloroprene	2.435	53	152807	36.90	ug/L		90
28) 1,1-Dichloroethane	2.442	63	67090	30.88	ug/L		99
29) Acrylonitrile	2.435	52	92012	187.48	ug/L		96
30) ETBE	2.581	59	108105	34.06	ug/L		91
31) Vinyl acetate	2.558	43	462960	250.17	ug/L		98
32) cis-1,2-Dichloroethene	2.719	96	39155	24.47	ug/L	#	80
33) 2,2-Dichloropropane	2.781	77	53098	31.00	ug/L		95
34) Bromochloromethane	2.819	128	19454	21.10	ug/L	#	65
35) Cyclohexane	2.858	56	67042	34.49	ug/L	#	80

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56274.D
Acq On : 25 Jun 2024 10:15 am
Operator : jeniferw
Sample : IC1910-4
Misc : MS56892,V2A1910,,,,,
ALS Vial : 56 Sample Multiplier: 1

Quant Time: Jun 25 11:58:10 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Chloroform	2.858	83	68171	27.38	ug/L		95
37) Ethyl acetate	2.912	43	247941	230.88	ug/L		91
38) Tetrahydrofuran	2.943	42	16140	37.98	ug/L		82
40) Carbon Tetrachloride	2.958	117	51225m	22.42	ug/L		
41) 1,1,1-Trichloroethane	2.981	97	58874	26.10	ug/L		91
42) 2-Butanone	2.996	43	125192	216.91	ug/L		81
43) 1,1-Dichloropropene	3.050	75	48976	30.39	ug/L		78
44) tert-Butyl formate	3.089	59	152527	163.11	ug/L		98
45) Propionitrile	3.143	54	69996	318.81	ug/L		97
46) Methacrylonitrile	3.166	41	282661	426.36	ug/L		94
47) Benzene	3.181	78	138439	27.03	ug/L		92
48) TAME	3.250	73	92746	30.25	ug/L	#	73
50) 1,2-Dichloroethane	3.273	62	52740	31.99	ug/L		97
51) Isobutyl Alcohol	3.250	43	74370	798.82	ug/L		87
52) Tert Amyl Alcohol	3.320	59	47419	340.44	ug/L		90
53) Trichloroethene	3.504	95	39864	26.53	ug/L		85
54) Methylcyclohexane	3.527	83	63772	26.74	ug/L		84
55) Dibromomethane	3.728	93	25138	27.95	ug/L	#	73
56) 1,2-Dichloropropane	3.789	63	36843	32.40	ug/L		90
57) Bromodichloromethane	3.828	83	51454	29.32	ug/L	#	95
58) Methyl methacrylate	3.912	41	36957	45.95	ug/L	#	65
59) 1,4-Dioxane	3.935	88	6912	446.97	ug/L		83
60) 2-Chloroethyl vinyl ether	4.159	63	129527	180.21	ug/L		80
61) cis-1,3-Dichloropropene	4.205	75	57444	30.82	ug/L		80
64) Toluene	4.366	91	150640	29.00	ug/L		99
65) 2-Nitropropane	4.459	41	72036	248.32	ug/L		88
66) 4-Methyl-2-pentanone	4.582	43	244436	250.75	ug/L		88
67) trans-1,3-Dichloropropene	4.613	75	52712	34.48	ug/L		82
68) Tetrachloroethene	4.628	166	40335	21.40	ug/L		95
69) Ethyl methacrylate	4.728	69	49374	37.91	ug/L	#	73
70) 1,1,2-Trichloroethane	4.713	83	29053	33.16	ug/L		87
71) Dibromochloromethane	4.836	129	37187	25.40	ug/L		99
72) 1,3-Dichloropropane	4.890	76	52682	32.69	ug/L		76
73) 1,2-Dibromoethane	4.990	107	35799	28.03	ug/L		94
74) 3,3-Dimethyl-1-Butanol	5.121	57	290561	1955.10	ug/L		94
75) 2-hexanone	5.136	43	237555	248.16	ug/L	#	72
76) 1-Chlorohexane	5.359	91	57569m	30.66	ug/L		
77) Ethylbenzene	5.390	91	173281m	29.87	ug/L		
78) Chlorobenzene	5.359	112	98683	26.32	ug/L		85
79) 1,1,1,2-Tetrachloroethane	5.405	131	34277	24.99	ug/L		98
80) m,p-Xylene	5.498	91	286805	60.26	ug/L		94
81) o-Xylene	5.798	91	150086	30.93	ug/L		92
82) Styrene	5.829	104	111062	29.77	ug/L		90
83) Bromoform	5.836	173	26495	22.40	ug/L		98
84) Isopropylbenzene	6.036	105	175924	28.31	ug/L		96
87) cis-1,4-Dichloro-2-butene	6.260	53	13113	34.99	ug/L	#	77
88) n-Propylbenzene	6.344	91	219858	35.25	ug/L		88
89) Bromobenzene	6.298	156	42054	25.34	ug/L	#	62
90) 1,1,2,2-Tetrachloroethane	6.367	83	49805	35.40	ug/L		99
91) 1,3,5-Trimethylbenzene	6.498	105	149015	31.60	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56274.D
Acq On : 25 Jun 2024 10:15 am
Operator : jeniferw
Sample : IC1910-4
Misc : MS56892,V2A1910,,,,,
ALS Vial : 56 Sample Multiplier: 1

Quant Time: Jun 25 11:58:10 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration

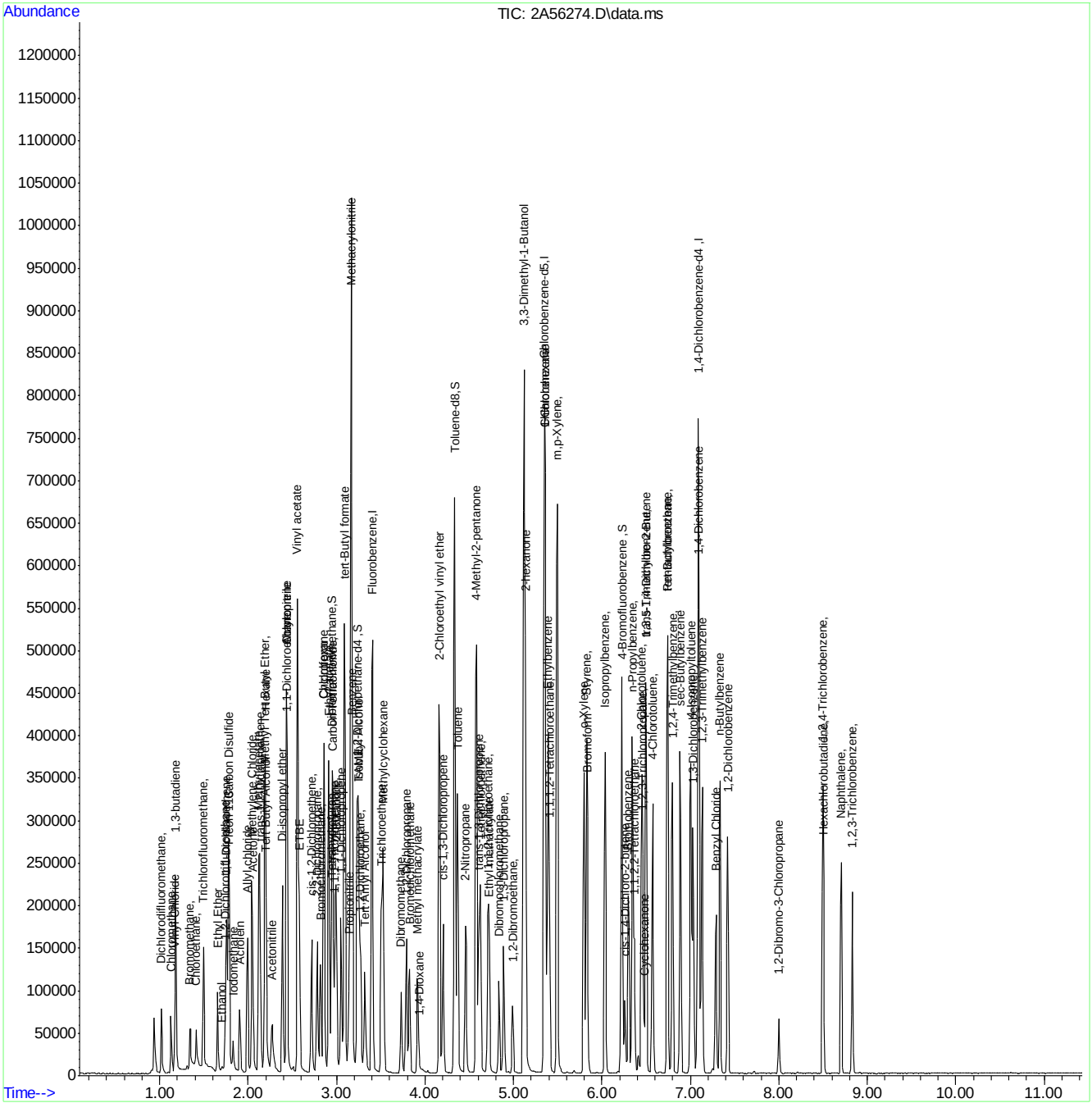
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92)	2-Chlorotoluene	6.452	91	121223	33.51	ug/L		93
93)	trans-1,4-Dichloro-2-B...	6.498	53	16396	37.18	ug/L	#	65
94)	1,2,3-Trichloropropane	6.460	110	13913	29.88	ug/L	#	64
95)	Cyclohexanone	6.475	55	7717	199.96	ug/L	#	80
96)	4-Chlorotoluene	6.575	91	129751	33.74	ug/L		90
97)	tert-Butylbenzene	6.745	91	88853	34.78	ug/L		87
98)	1,2,4-Trimethylbenzene	6.798	105	139889	28.07	ug/L		97
99)	Pentachloroethane	6.745	167	24199	24.39	ug/L	#	63
100)	sec-Butylbenzene	6.883	105	189649	31.13	ug/L		92
101)	4-Isopropyltoluene	7.006	119	160168	30.61	ug/L		95
102)	1,3-Dichlorobenzene	7.029	146	82106	25.08	ug/L		90
103)	1,2,3-Trimethylbenzene	7.137	105	141524	30.77	ug/L		97
104)	1,4-Dichlorobenzene	7.099	146	82729	25.11	ug/L		89
105)	n-Butylbenzene	7.337	92	73347	31.18	ug/L		94
106)	Benzyl Chloride	7.291	126	19778	29.76	ug/L	#	72
107)	1,2-Dichlorobenzene	7.422	146	74519	25.68	ug/L		91
108)	1,2-Dibromo-3-Chloropr...	7.999	75	10941	38.70	ug/L	#	42
109)	Hexachlorobutadiene	8.507	225	20078	19.56	ug/L		94
110)	1,2,4-Trichlorobenzene	8.499	180	45455	23.60	ug/L		97
111)	Naphthalene	8.707	128	126414	29.79	ug/L		100
112)	1,2,3-Trichlorobenzene	8.830	180	40121	22.51	ug/L		93

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56274.D
Acq On : 25 Jun 2024 10:15 am
Operator : jeniferw
Sample : IC1910-4
Misc : MS56892,V2A1910,,,,,
ALS Vial : 56 Sample Multiplier: 1

Quant Time: Jun 25 11:58:10 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: V2A1910-IC1910
Lab FileID: 2A56274.D
Injection Time: 06/25/24 10:15

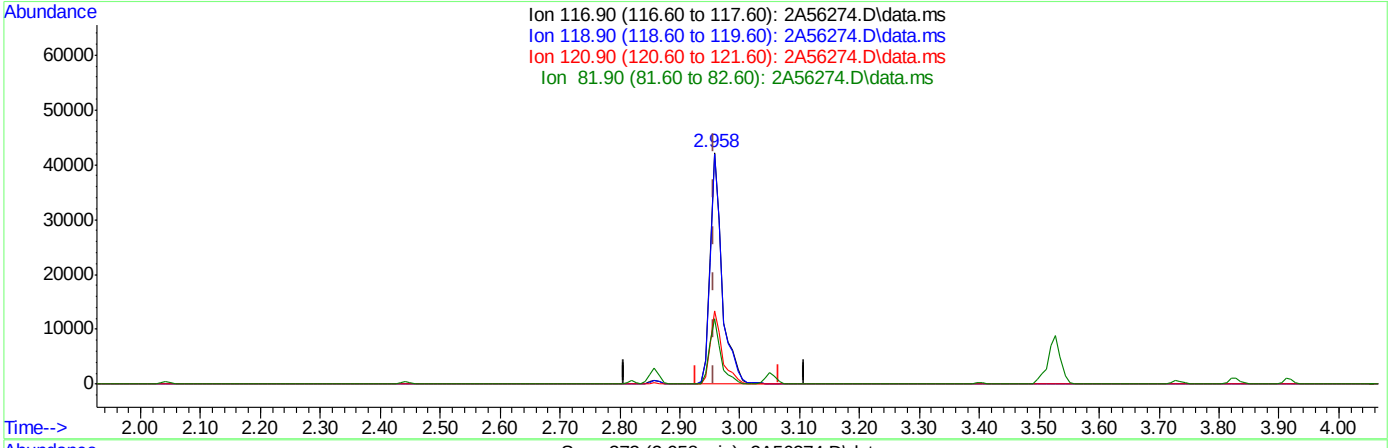
Method: SW846 8260D
Analyst approved: 06/25/24 13:54 Jenifer Willis
Supervisor approved: 06/26/24 07:53 Karen Watson

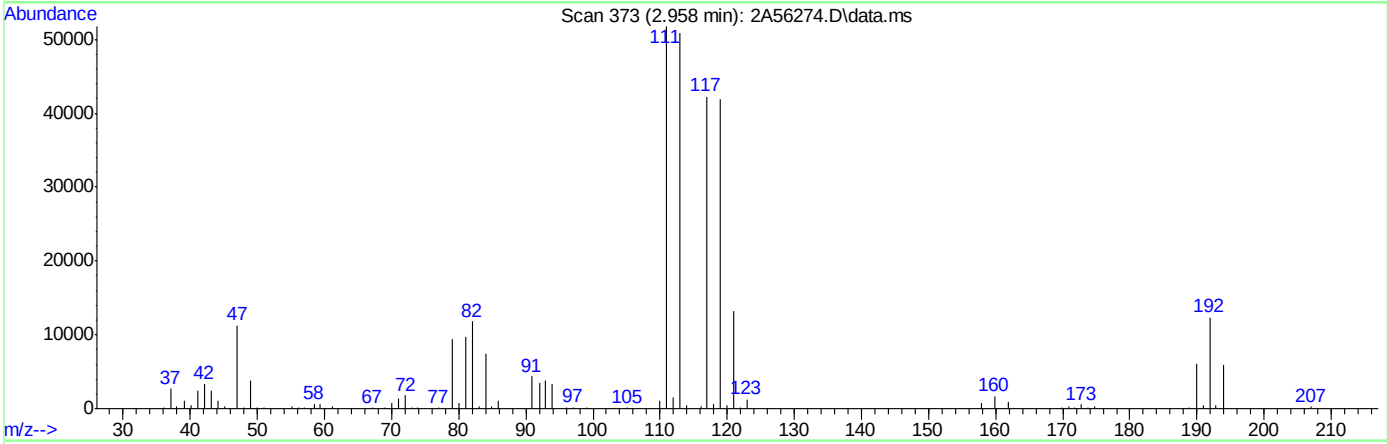
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		2.96	Overlapping peak
1-Chlorohexane	544-10-5		5.36	Poorly defined baseline
Ethylbenzene	100-41-4		5.39	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56274.D
Acq On : 25 Jun 2024 10:15 am
Operator : jeniferw
Sample : IC1910-4
Misc : MS56892,V2A1910,,,,,
ALS Vial : 56 Sample Multiplier: 1

Quant Time: Jun 25 11:23:24 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56274.D\data.ms

(40) Carbon Tetrachloride ( )

2.958min (-0.000) 26.05ug/L

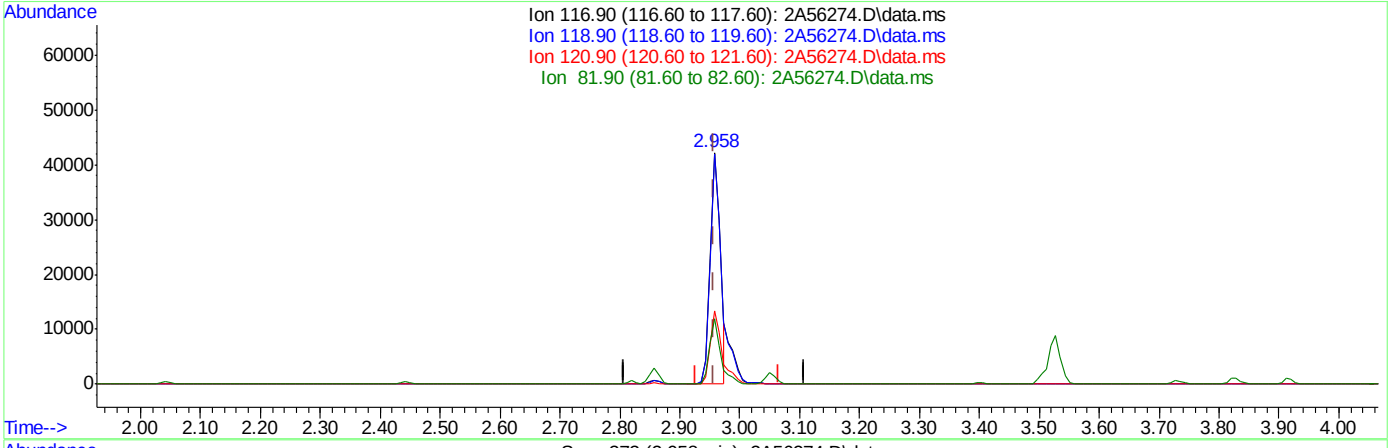
response 59504

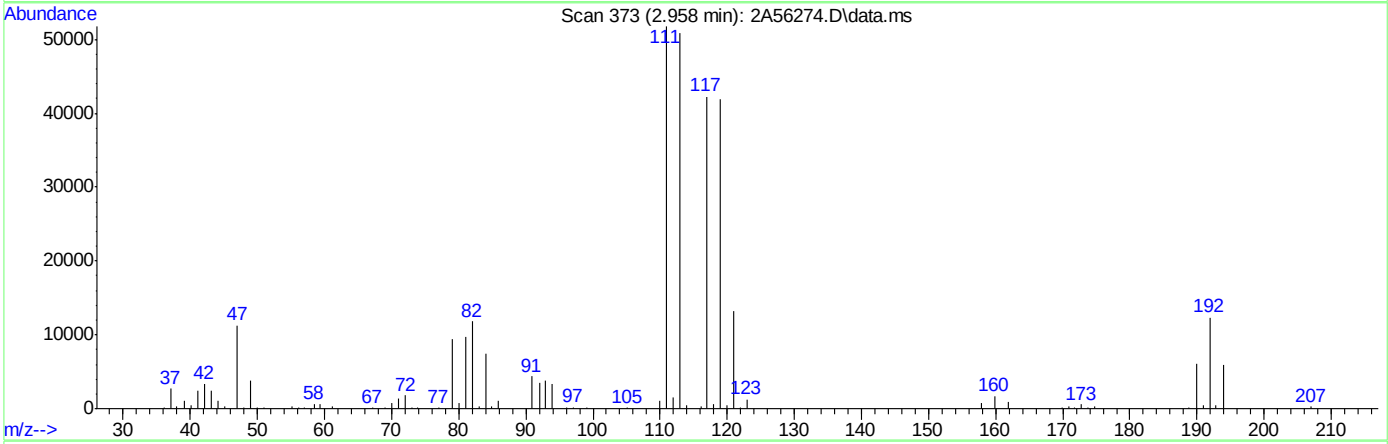
Ion	Exp%	Act%
116.90	100	100
118.90	96.30	99.36
120.90	31.00	31.44
81.90	19.00	28.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56274.D
Acq On : 25 Jun 2024 10:15 am
Operator : jeniferw
Sample : IC1910-4
Misc : MS56892,V2A1910,,,,,
ALS Vial : 56 Sample Multiplier: 1

Quant Time: Jun 25 11:23:24 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56274.D\data.ms

(40) Carbon Tetrachloride ( )

2.958min (-0.000) 22.42ug/L m

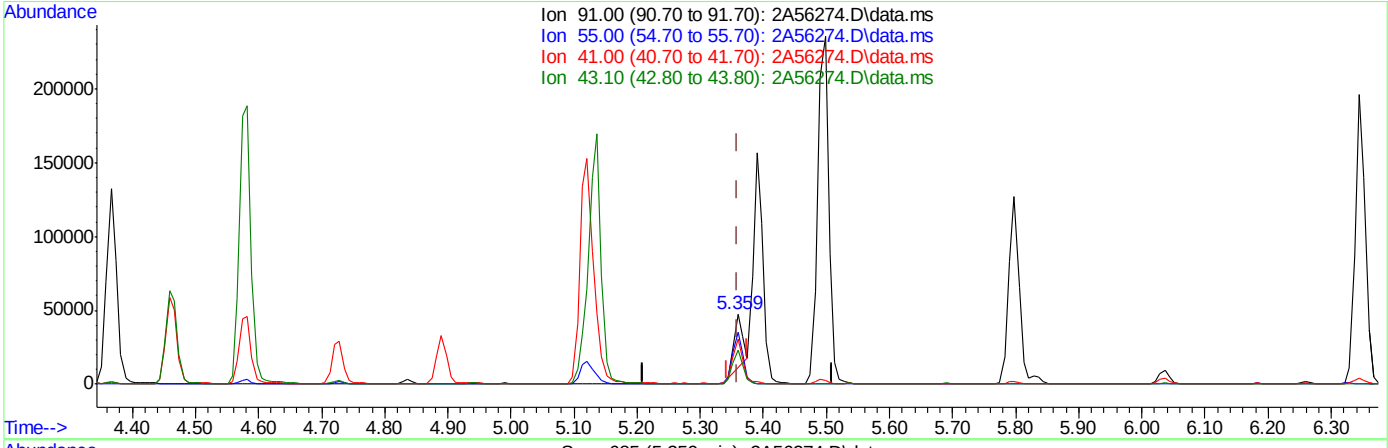
response 51225

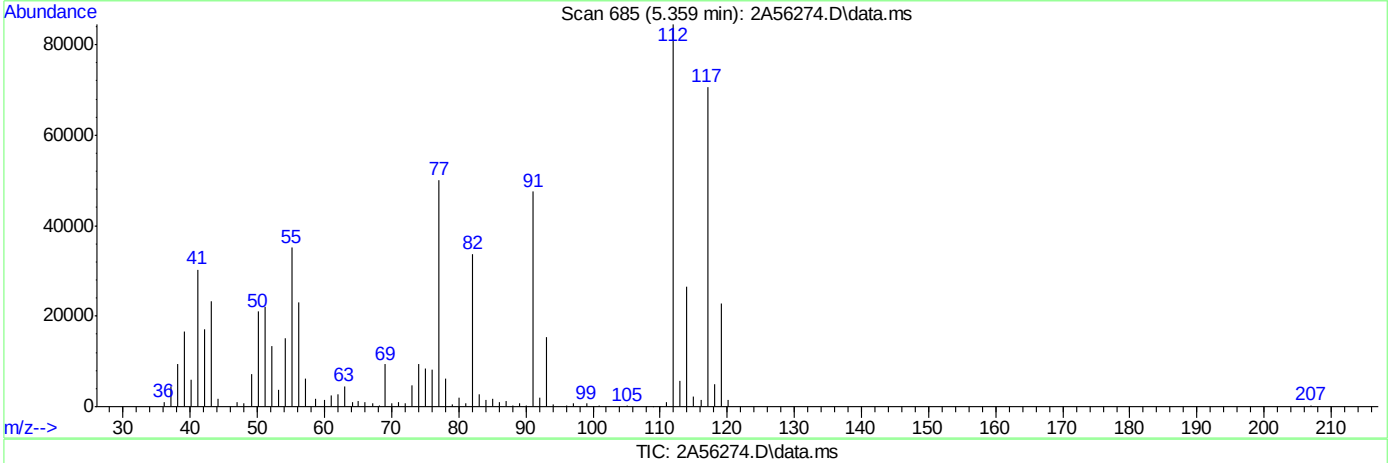
Ion	Exp%	Act%
116.90	100	100
118.90	96.30	99.36
120.90	31.00	31.44
81.90	19.00	28.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56274.D
Acq On : 25 Jun 2024 10:15 am
Operator : jeniferw
Sample : IC1910-4
Misc : MS56892,V2A1910,,,,,
ALS Vial : 56 Sample Multiplier: 1

Quant Time: Jun 25 11:23:24 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56274.D\data.ms

(76) 1-Chlorohexane

5.359min (-0.001) 19.82ug/L

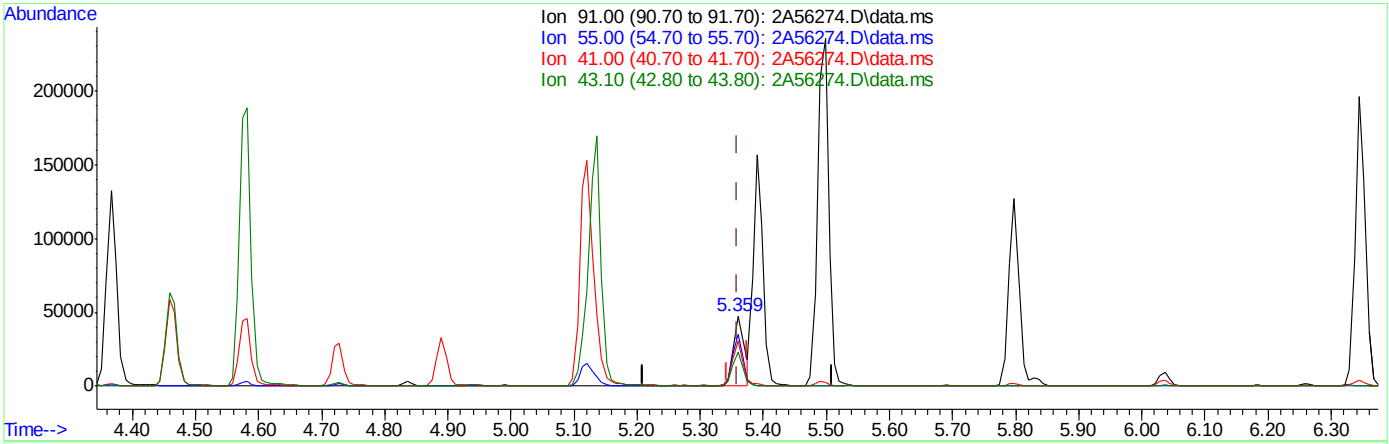
response 37206

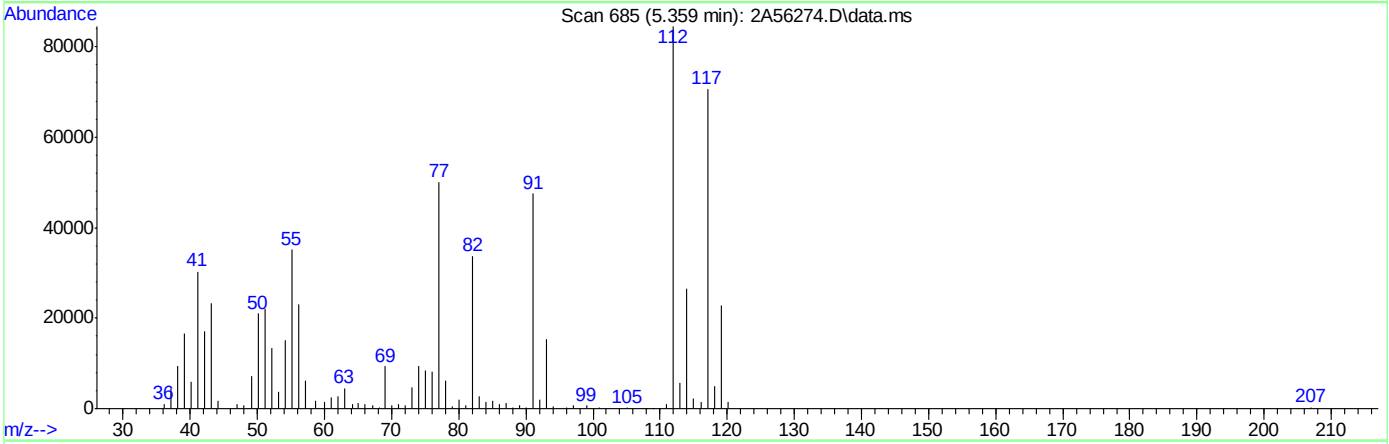
Ion	Exp%	Act%
91.00	100	100
55.00	58.90	69.89
41.00	39.20	60.51#
43.10	33.20	46.81

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56274.D
Acq On : 25 Jun 2024 10:15 am
Operator : jeniferw
Sample : IC1910-4
Misc : MS56892,V2A1910,,,,,
ALS Vial : 56 Sample Multiplier: 1

Quant Time: Jun 25 11:23:24 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56274.D\data.ms

(76) 1-Chlorohexane

5.359min (-0.001) 30.66ug/L m

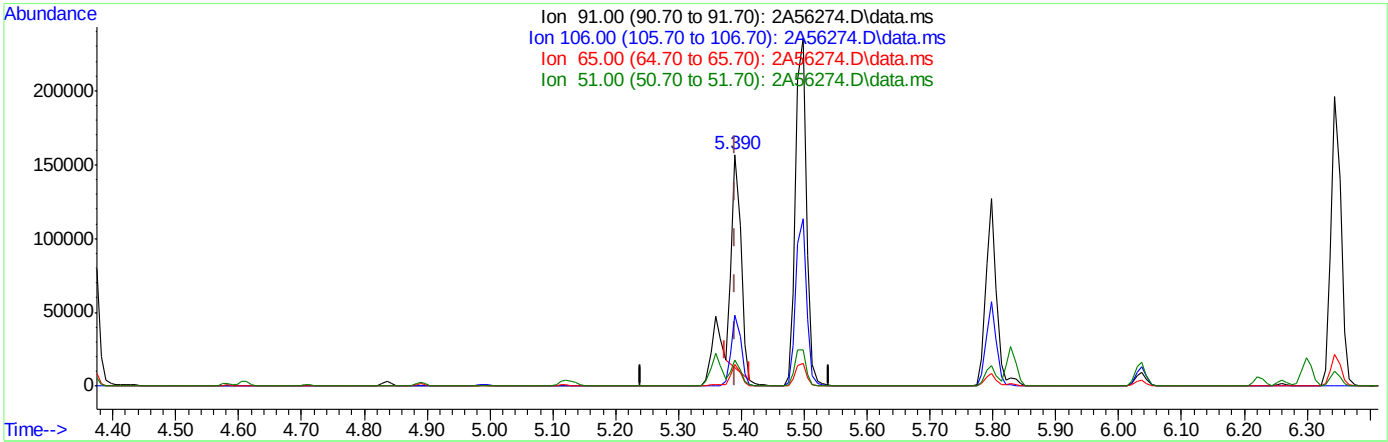
response 57569

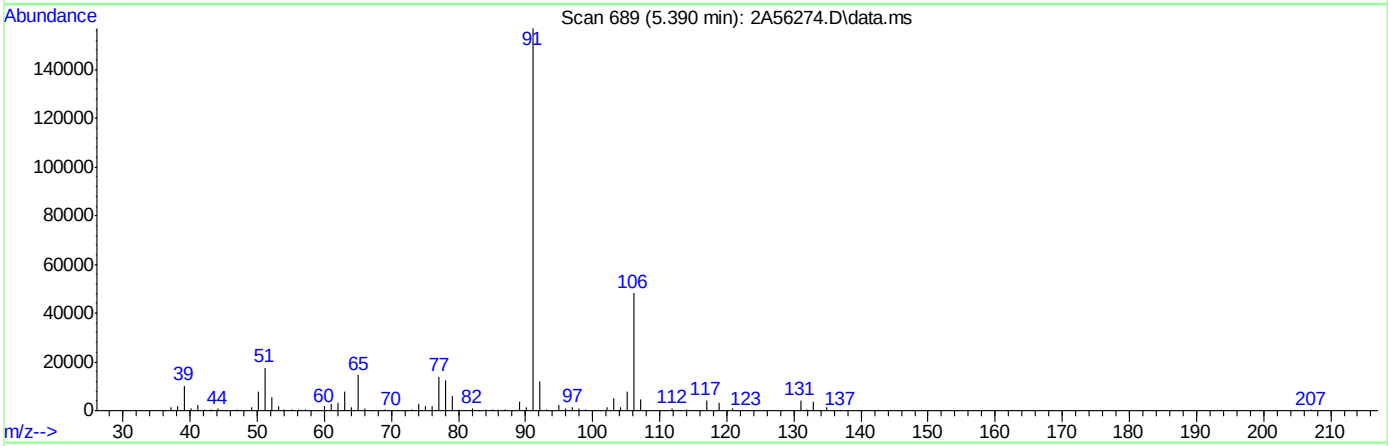
Ion	Exp%	Act%
91.00	100	100
55.00	58.90	73.84
41.00	39.20	63.75#
43.10	33.20	49.24

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56274.D
Acq On : 25 Jun 2024 10:15 am
Operator : jeniferw
Sample : IC1910-4
Misc : MS56892,V2A1910,,,,,
ALS Vial : 56 Sample Multiplier: 1

Quant Time: Jun 25 11:23:24 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56274.D\data.ms

(77) Ethylbenzene

5.390min (-0.000) 25.14ug/L

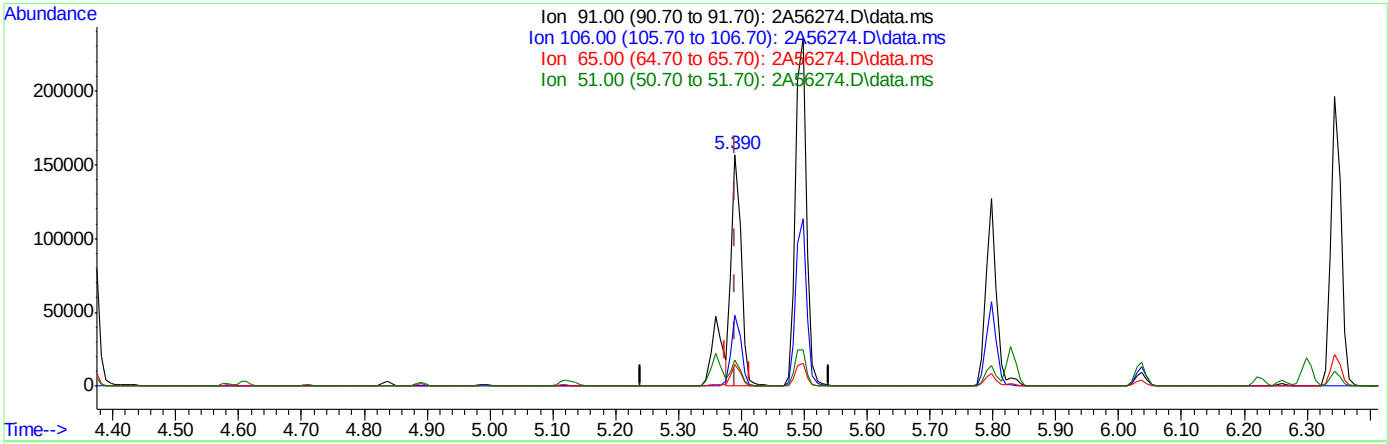
response 145837

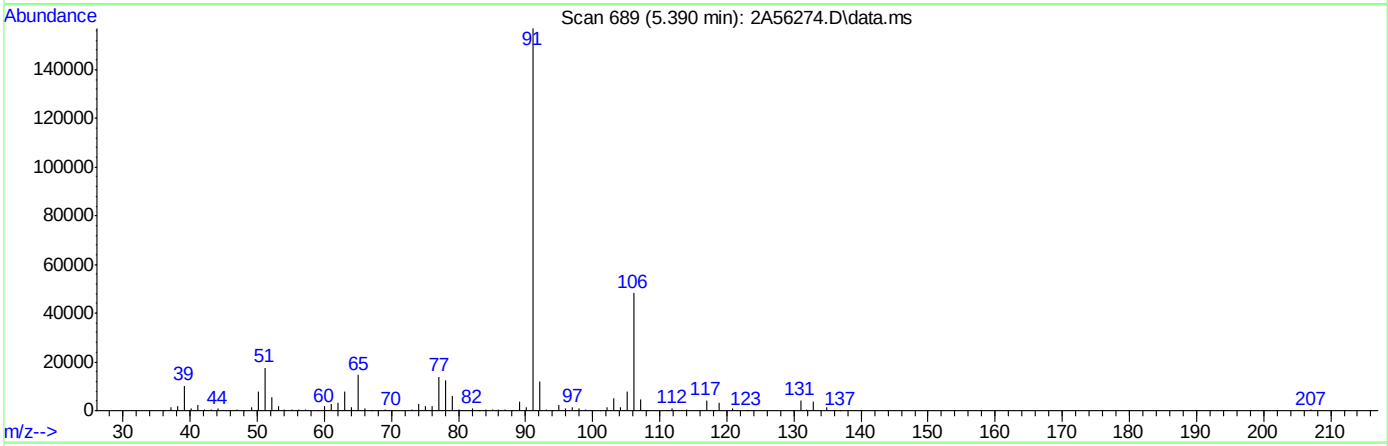
Ion	Exp%	Act%
91.00	100	100
106.00	34.30	30.68
65.00	7.10	9.27
51.00	7.10	11.06

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56274.D
Acq On : 25 Jun 2024 10:15 am
Operator : jeniferw
Sample : IC1910-4
Misc : MS56892,V2A1910,,,,,
ALS Vial : 56 Sample Multiplier: 1

Quant Time: Jun 25 11:23:24 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56274.D\data.ms

(77) Ethylbenzene

5.390min (-0.000) 29.87ug/L m

response 173281

Ion	Exp%	Act%
91.00	100	100
106.00	34.30	30.71
65.00	7.10	9.35
51.00	7.10	11.24

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
06/26/24 07:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56276.D
Acq On : 25 Jun 2024 10:47 am
Operator : jeniferw
Sample : ICC1910-5
Misc : MS56892,V2A1910,,,,,
ALS Vial : 57 Sample Multiplier: 1

Quant Time: Jun 25 11:58:52 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	3.404	96	300895	50.00	ug/L		0.00
62) Chlorobenzene-d5	5.352	117	219742	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	7.091	152	130499	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	2.958	113	85159	47.60	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 95.20%				
49) 1,2-Dichloroethane-d4	3.235	65	106406	64.15	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 128.30%#				
63) Toluene-d8	4.336	98	295754	53.76	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 107.52%				
86) 4-Bromofluorobenzene	6.229	174	103161	49.57	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.14%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.026	85	59849	38.93	ug/L		98
3) Chloromethane	1.134	50	65175	47.40	ug/L		97
4) 1,3-butadiene	1.188	39	75075	99.29	ug/L	#	73
5) Vinyl Chloride	1.180	62	65511	58.74	ug/L		98
6) Bromomethane	1.349	94	28241	61.14	ug/L		97
7) Chloroethane	1.419	64	35008	84.21	ug/L		95
8) Trichlorofluoromethane	1.503	101	91079	46.71	ug/L		100
9) Ethyl Ether	1.657	59	47991	55.01	ug/L		86
10) Ethanol	1.711	45	14467	1282.71	ug/L		89
11) 1,2-Dichlorotrifluoroe...	1.750	67	48929	52.74	ug/L		92
12) 1,1-Dichloroethene	1.765	61	90786	53.44	ug/L		86
13) Freon 113	1.788	101	57354	39.78	ug/L	#	85
14) Carbon Disulfide	1.788	76	174705	45.41	ug/L		84
15) Iodomethane	1.834	142	50228	43.84	ug/L		90
16) Acrolein	1.911	56	58825	250.60	ug/L		97
17) Allyl chloride	1.996	41	91373	69.15	ug/L		80
18) Methylene Chloride	2.050	49	80927	58.26	ug/L	#	75
19) Acetone	2.050	43	123125	337.82	ug/L		81
20) Methyl acetate	2.127	43	300428	313.94	ug/L		87
21) trans-1,2-Dichloroethene	2.142	61	86143	51.45	ug/L		81
22) Hexane	2.196	56	57626	50.34	ug/L	#	78
23) Methyl Tert Butyl Ether	2.196	73	173729	51.35	ug/L		87
24) Acetonitrile	2.273	41	79739	634.45	ug/L		96
25) Tert Butyl Alcohol	2.211	59	97649	545.90	ug/L	#	40
26) Di-isopropyl ether	2.396	45	188041	69.98	ug/L		87
27) Chloroprene	2.442	53	250411	59.20	ug/L		91
28) 1,1-Dichloroethane	2.442	63	111929	50.44	ug/L		96
29) Acrylonitrile	2.442	52	152753	304.70	ug/L		98
30) ETBE	2.581	59	187565	57.85	ug/L		90
31) Vinyl acetate	2.566	43	777900	411.51	ug/L		98
32) cis-1,2-Dichloroethene	2.719	96	64684	39.57	ug/L	#	76
33) 2,2-Dichloropropane	2.781	77	87586	50.07	ug/L		95
34) Bromochloromethane	2.827	128	32896	34.92	ug/L	#	75
35) Cyclohexane	2.858	56	110598	55.69	ug/L	#	80

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56276.D
Acq On : 25 Jun 2024 10:47 am
Operator : jeniferw
Sample : ICC1910-5
Misc : MS56892,V2A1910,,,,,
ALS Vial : 57 Sample Multiplier: 1

Quant Time: Jun 25 11:58:52 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Chloroform	2.858	83	112789	44.34	ug/L		95
37) Ethyl acetate	2.912	43	422121	384.79	ug/L		89
38) Tetrahydrofuran	2.943	42	29215	67.30	ug/L		84
40) Carbon Tetrachloride	2.966	117	89644m	38.42	ug/L		
41) 1,1,1-Trichloroethane	2.989	97	99046	42.99	ug/L		94
42) 2-Butanone	3.004	43	207124	351.30	ug/L		83
43) 1,1-Dichloropropene	3.058	75	81083	49.25	ug/L		82
44) tert-Butyl formate	3.097	59	269460	282.09	ug/L		95
45) Propionitrile	3.143	54	112992	503.81	ug/L		99
46) Methacrylonitrile	3.166	41	461178	680.98	ug/L		94
47) Benzene	3.181	78	232502	44.44	ug/L		84
48) TAME	3.250	73	160365	51.20	ug/L		87
50) 1,2-Dichloroethane	3.274	62	86780	51.52	ug/L		96
51) Isobutyl Alcohol	3.258	43	124235	1306.33	ug/L		94
52) Tert Amyl Alcohol	3.320	59	78339	550.59	ug/L		91
53) Trichloroethene	3.512	95	66739	43.48	ug/L		92
54) Methylcyclohexane	3.528	83	108155	44.40	ug/L		83
55) Dibromomethane	3.735	93	41575	45.25	ug/L		86
56) 1,2-Dichloropropane	3.789	63	62016	53.38	ug/L		89
57) Bromodichloromethane	3.828	83	84664	47.24	ug/L	#	96
58) Methyl methacrylate	3.920	41	62921	76.58	ug/L	#	69
59) 1,4-Dioxane	3.935	88	12675	802.37	ug/L		89
60) 2-Chloroethyl vinyl ether	4.166	63	222017	302.39	ug/L		83
61) cis-1,3-Dichloropropene	4.205	75	96080	50.47	ug/L		80
64) Toluene	4.366	91	250136	46.71	ug/L		98
65) 2-Nitropropane	4.467	41	124144	391.46	ug/L		91
66) 4-Methyl-2-pentanone	4.582	43	400382	398.46	ug/L		87
67) trans-1,3-Dichloropropene	4.613	75	90694	57.55	ug/L		87
68) Tetrachloroethene	4.628	166	67543	34.77	ug/L		94
69) Ethyl methacrylate	4.728	69	80434	59.92	ug/L	#	73
70) 1,1,2-Trichloroethane	4.713	83	47943	53.09	ug/L		89
71) Dibromochloromethane	4.836	129	64357	42.64	ug/L		98
72) 1,3-Dichloropropane	4.890	76	90069	54.22	ug/L		76
73) 1,2-Dibromoethane	4.990	107	61867	46.99	ug/L		95
74) 3,3-Dimethyl-1-Butanol	5.121	57	481141	3140.69	ug/L		95
75) 2-hexanone	5.136	43	387158	392.35	ug/L		75
76) 1-Chlorohexane	5.359	91	92392m	47.74	ug/L		
77) Ethylbenzene	5.390	91	291246m	48.71	ug/L		
78) Chlorobenzene	5.359	112	163642	42.35	ug/L		84
79) 1,1,1,2-Tetrachloroethane	5.405	131	58121	41.12	ug/L		98
80) m,p-Xylene	5.498	91	478313	97.49	ug/L		93
81) o-Xylene	5.798	91	250902	50.16	ug/L		92
82) Styrene	5.829	104	184513	47.98	ug/L		89
83) Bromoform	5.836	173	45338	37.18	ug/L		97
84) Isopropylbenzene	6.037	105	293516	45.82	ug/L		96
87) cis-1,4-Dichloro-2-butene	6.260	53	22200	58.43	ug/L	#	73
88) n-Propylbenzene	6.344	91	365796	57.84	ug/L		88
89) Bromobenzene	6.306	156	70020	41.62	ug/L	#	80
90) 1,1,2,2-Tetrachloroethane	6.368	83	82908	58.12	ug/L		98
91) 1,3,5-Trimethylbenzene	6.498	105	249885	52.27	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56276.D
Acq On : 25 Jun 2024 10:47 am
Operator : jeniferw
Sample : ICC1910-5
Misc : MS56892,V2A1910,,,,,
ALS Vial : 57 Sample Multiplier: 1

Quant Time: Jun 25 11:58:52 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration

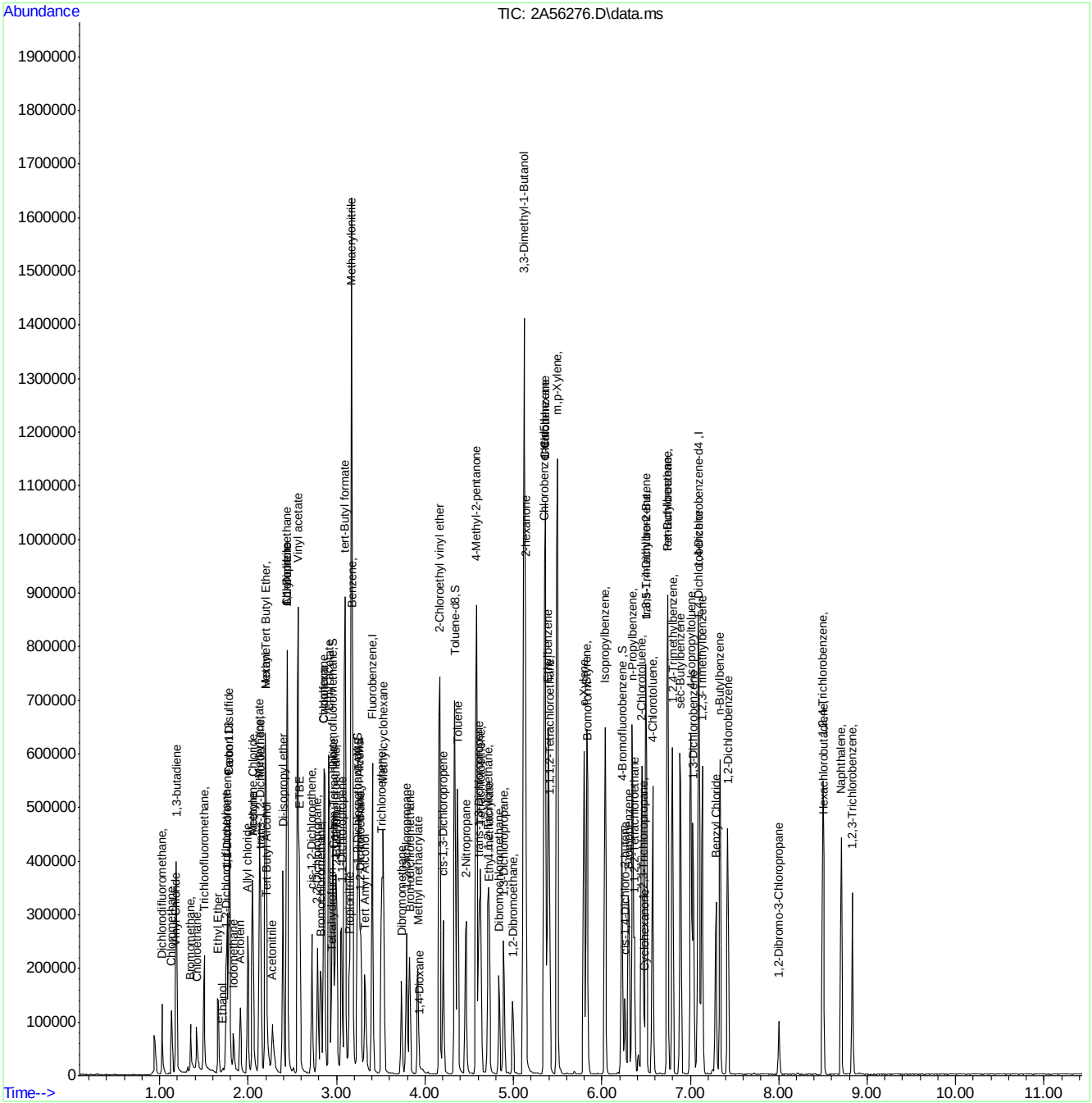
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92)	2-Chlorotoluene	6.452	91	204325	55.71	ug/L		94
93)	trans-1,4-Dichloro-2-B...	6.498	53	29115	65.12	ug/L	#	63
94)	1,2,3-Trichloropropane	6.468	110	22886	48.49	ug/L		78
95)	Cyclohexanone	6.475	55	13115	335.19	ug/L		81
96)	4-Chlorotoluene	6.575	91	216813	55.61	ug/L		88
97)	tert-Butylbenzene	6.745	91	149594	57.76	ug/L		86
98)	1,2,4-Trimethylbenzene	6.799	105	238204	47.15	ug/L		97
99)	Pentachloroethane	6.745	167	41462	41.22	ug/L	#	71
100)	sec-Butylbenzene	6.883	105	321087	51.99	ug/L		92
101)	4-Isopropyltoluene	7.006	119	268970	50.71	ug/L		95
102)	1,3-Dichlorobenzene	7.029	146	138462	41.71	ug/L		91
103)	1,2,3-Trimethylbenzene	7.137	105	240876	51.66	ug/L		96
104)	1,4-Dichlorobenzene	7.099	146	139270	41.69	ug/L		89
105)	n-Butylbenzene	7.337	92	124371	52.14	ug/L		94
106)	Benzyl Chloride	7.291	126	33926	50.36	ug/L	#	75
107)	1,2-Dichlorobenzene	7.422	146	126507	43.00	ug/L		91
108)	1,2-Dibromo-3-Chloropr...	7.999	75	17686	61.70	ug/L	#	41
109)	Hexachlorobutadiene	8.507	225	33656	32.35	ug/L		95
110)	1,2,4-Trichlorobenzene	8.499	180	75806	38.83	ug/L		98
111)	Naphthalene	8.707	128	210132	48.83	ug/L		100
112)	1,2,3-Trichlorobenzene	8.830	180	66923	37.03	ug/L		93

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56276.D
Acq On : 25 Jun 2024 10:47 am
Operator : jeniferw
Sample : ICC1910-5
Misc : MS56892,V2A1910,,,,,
ALS Vial : 57 Sample Multiplier: 1

Quant Time: Jun 25 11:58:52 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration



Manual Integration Approval Summary

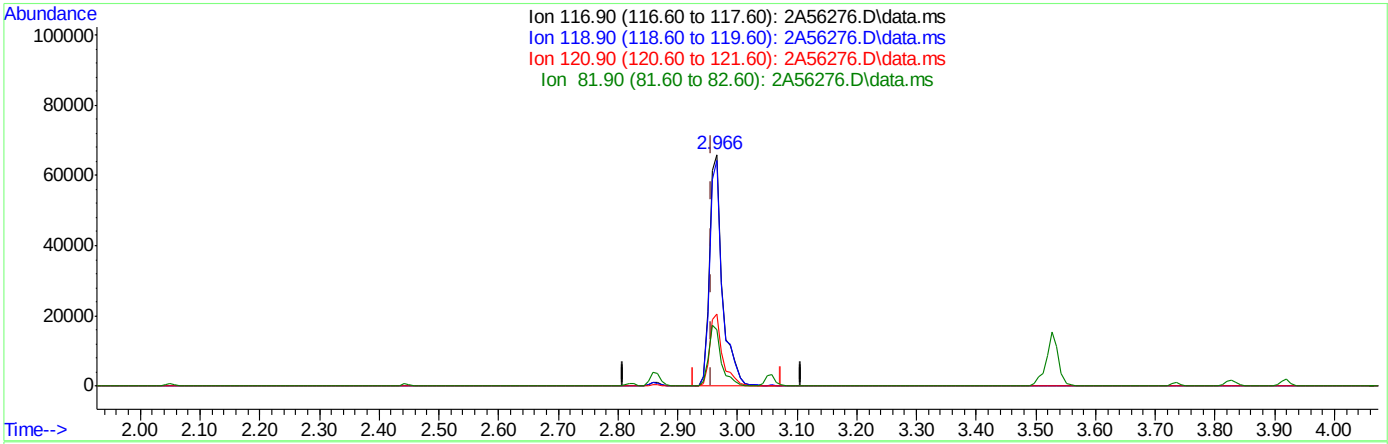
Sample Number: V2A1910-ICC1910 **Method:** SW846 8260D
Lab FileID: 2A56276.D **Analyst approved:** 06/25/24 13:54 Jenifer Willis
Injection Time: 06/25/24 10:47 **Supervisor approved:** 06/26/24 07:53 Karen Watson

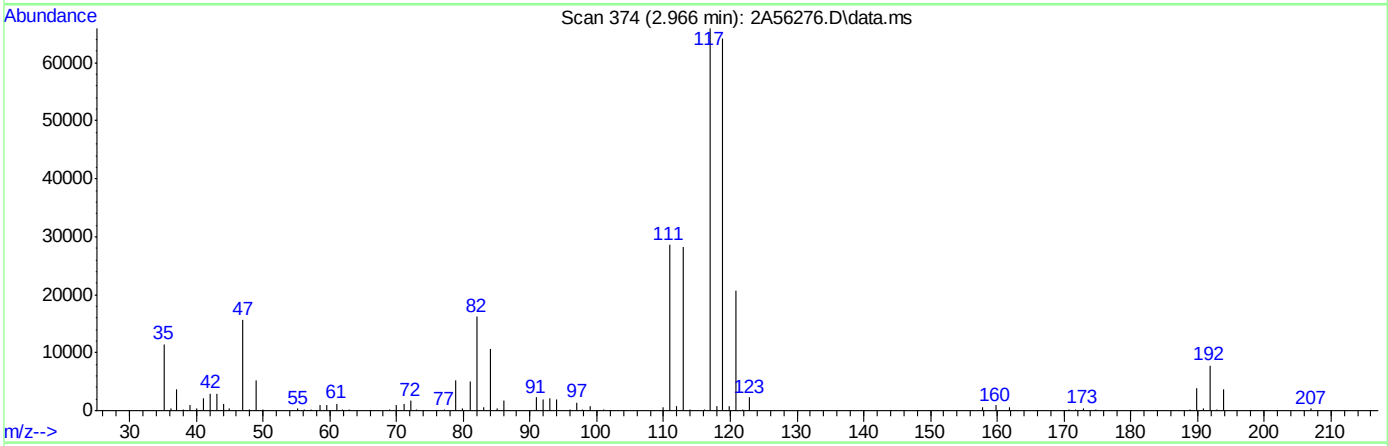
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		2.97	Overlapping peak
1-Chlorohexane	544-10-5		5.36	Poorly defined baseline
Ethylbenzene	100-41-4		5.39	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56276.D
Acq On : 25 Jun 2024 10:47 am
Operator : jeniferw
Sample : ICC1910-5
Misc : MS56892,V2A1910,,,,,
ALS Vial : 57 Sample Multiplier: 1

Quant Time: Jun 25 11:23:26 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56276.D\data.ms

(40) Carbon Tetrachloride ( )

2.966min (+0.008) 42.85ug/L

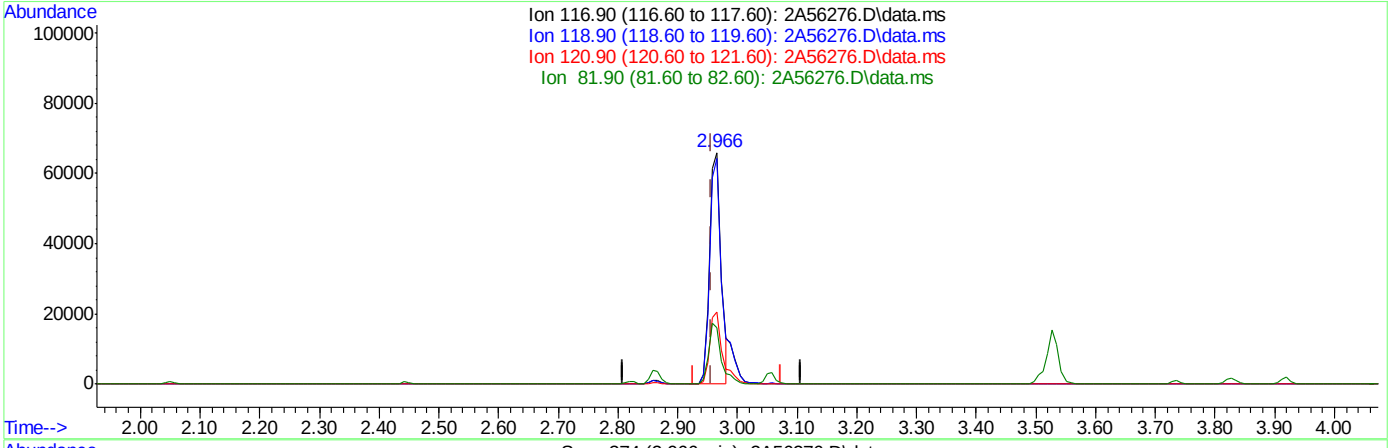
response 99995

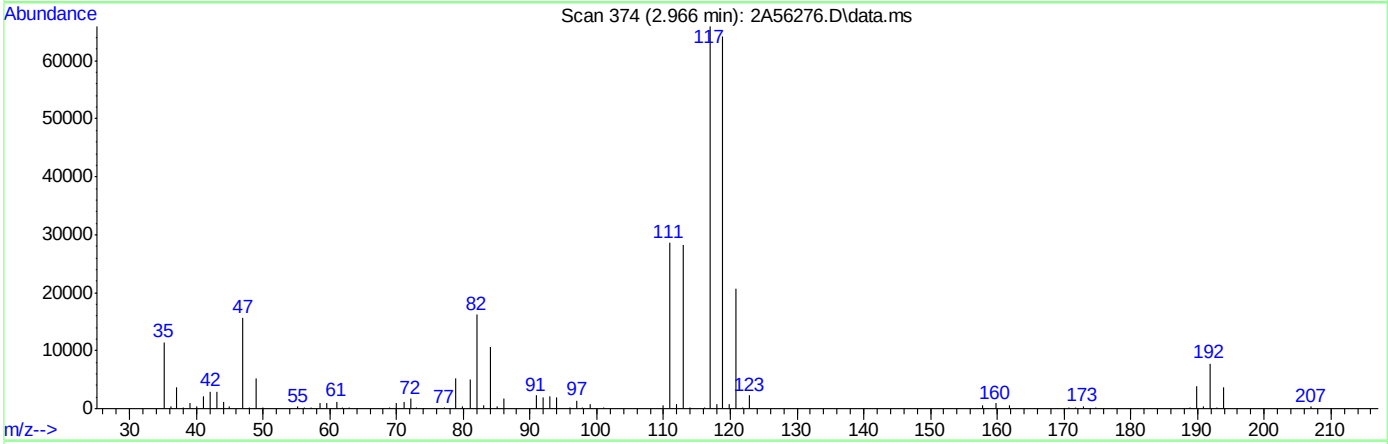
Ion	Exp%	Act%
116.90	100	100
118.90	96.30	97.45
120.90	31.00	31.25
81.90	19.00	24.60

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56276.D
Acq On : 25 Jun 2024 10:47 am
Operator : jeniferw
Sample : ICC1910-5
Misc : MS56892,V2A1910,,,,,
ALS Vial : 57 Sample Multiplier: 1

Quant Time: Jun 25 11:23:26 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56276.D\data.ms

(40) Carbon Tetrachloride ( )

2.966min (+0.008) 38.42ug/L m

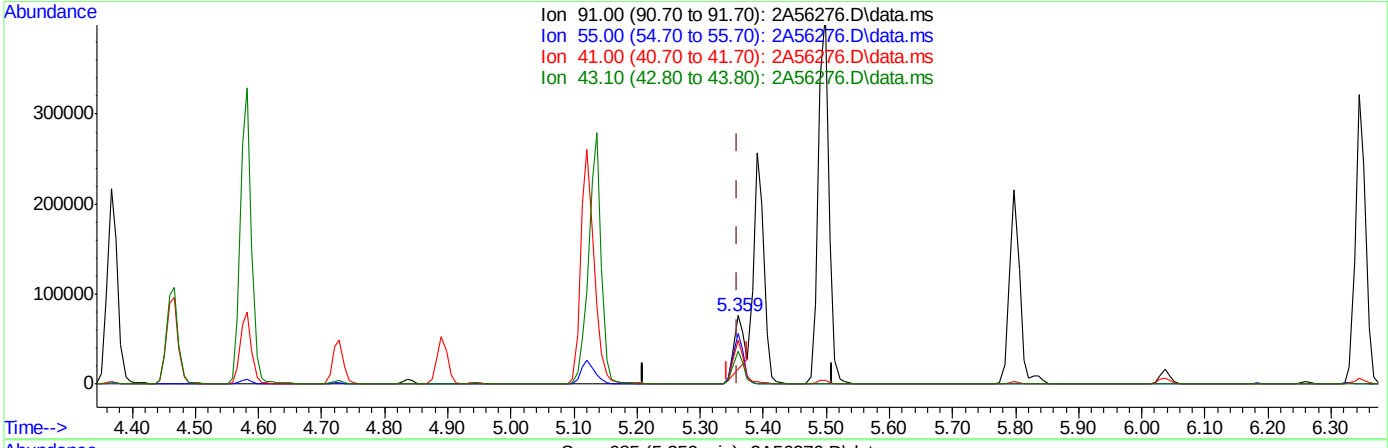
response 89644

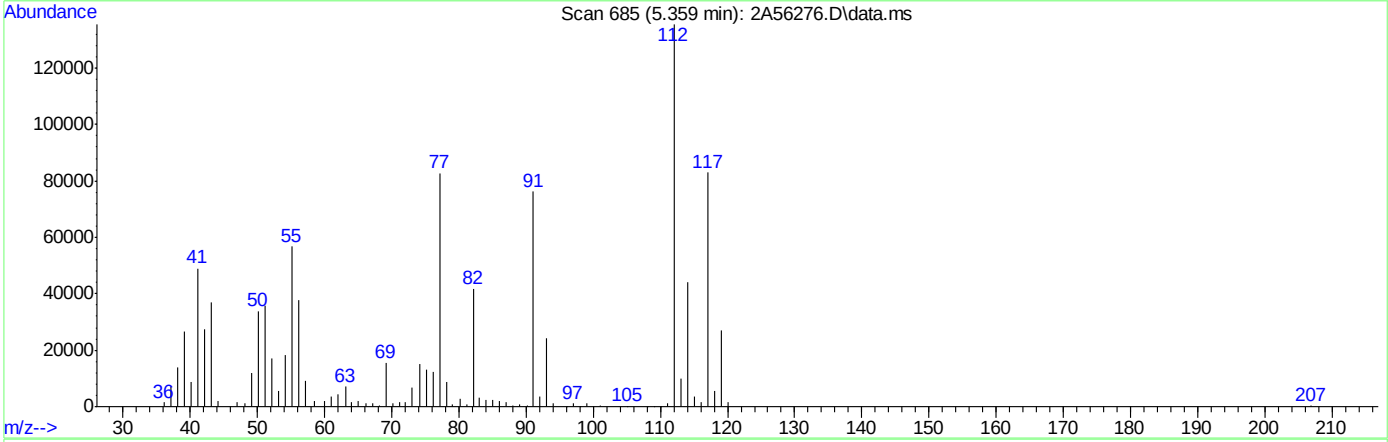
Ion	Exp%	Act%
116.90	100	100
118.90	96.30	97.45
120.90	31.00	31.25
81.90	19.00	24.60

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56276.D
Acq On : 25 Jun 2024 10:47 am
Operator : jeniferw
Sample : ICC1910-5
Misc : MS56892,V2A1910,,,,,
ALS Vial : 57 Sample Multiplier: 1

Quant Time: Jun 25 11:23:26 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56276.D\data.ms

(76) 1-Chlorohexane

5.359min (-0.001) 32.55ug/L

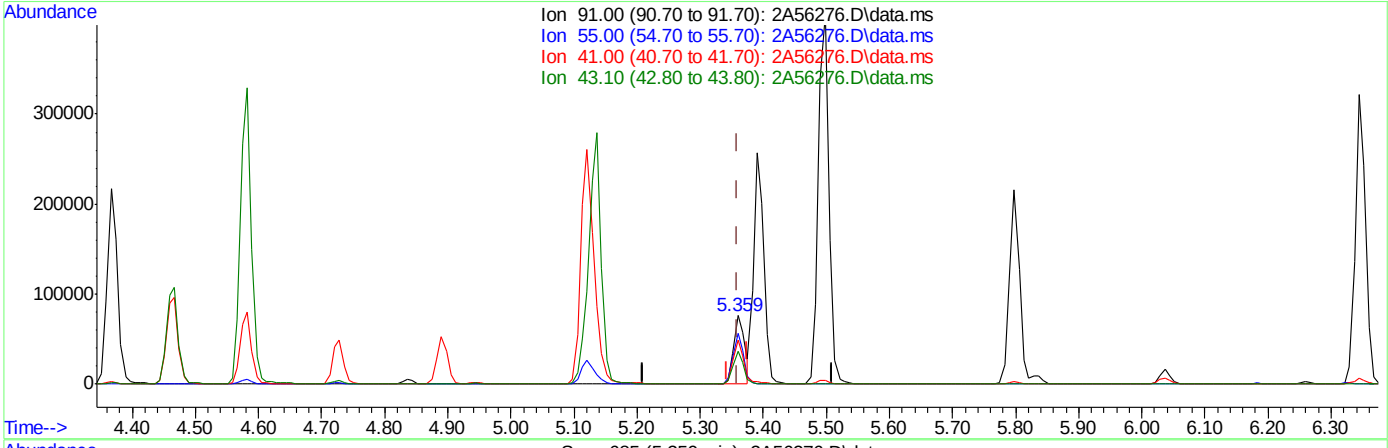
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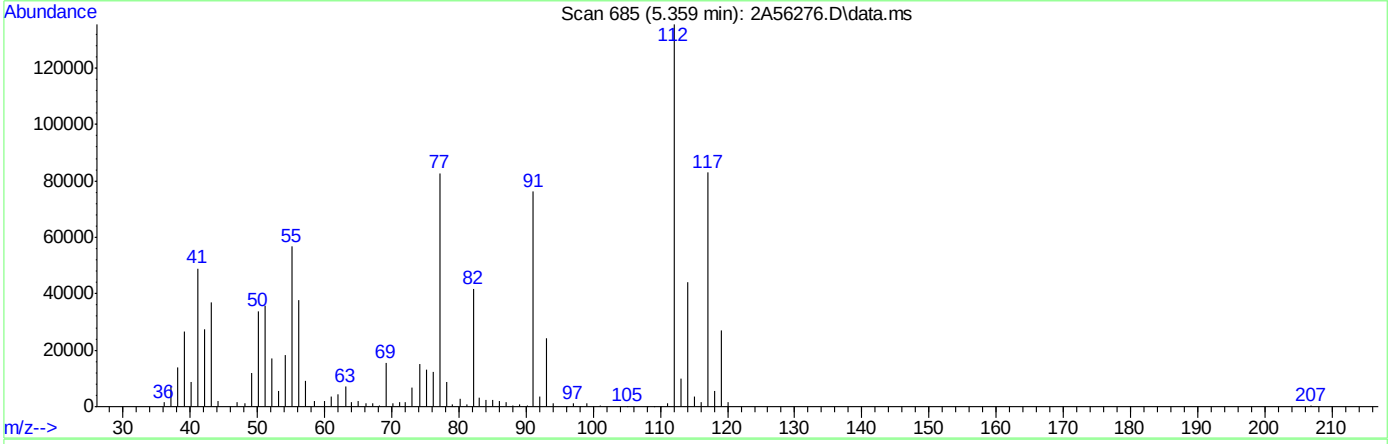
Ion	Exp%	Act%
91.00	100	100
55.00	58.90	70.56
41.00	39.20	61.91#
43.10	33.20	46.46

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56276.D
Acq On : 25 Jun 2024 10:47 am
Operator : jeniferw
Sample : ICC1910-5
Misc : MS56892,V2A1910,,,,,
ALS Vial : 57 Sample Multiplier: 1

Quant Time: Jun 25 11:23:26 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56276.D\data.ms

(76) 1-Chlorohexane

5.359min (-0.001) 47.74ug/L m

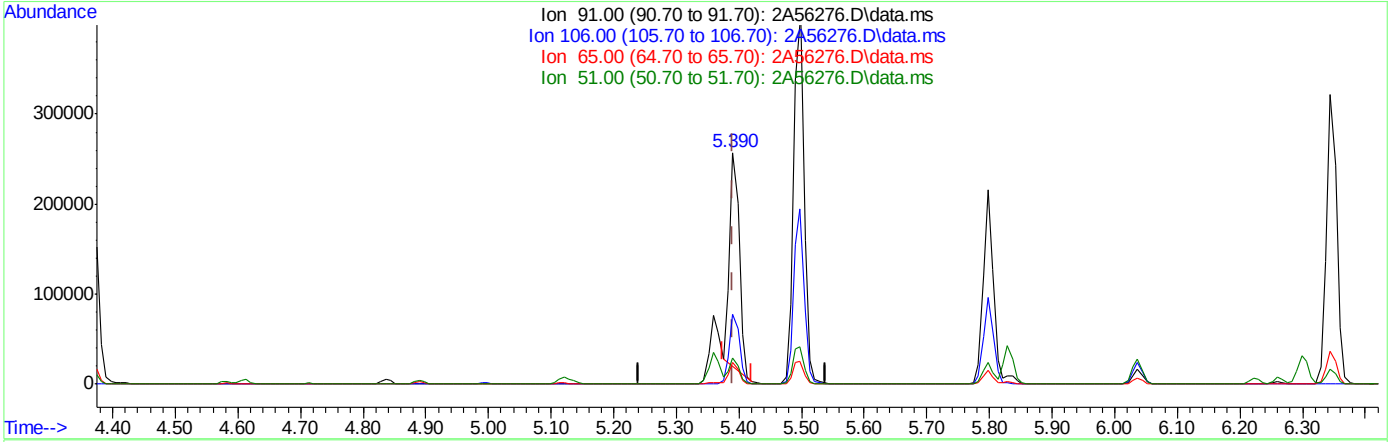
response 92392

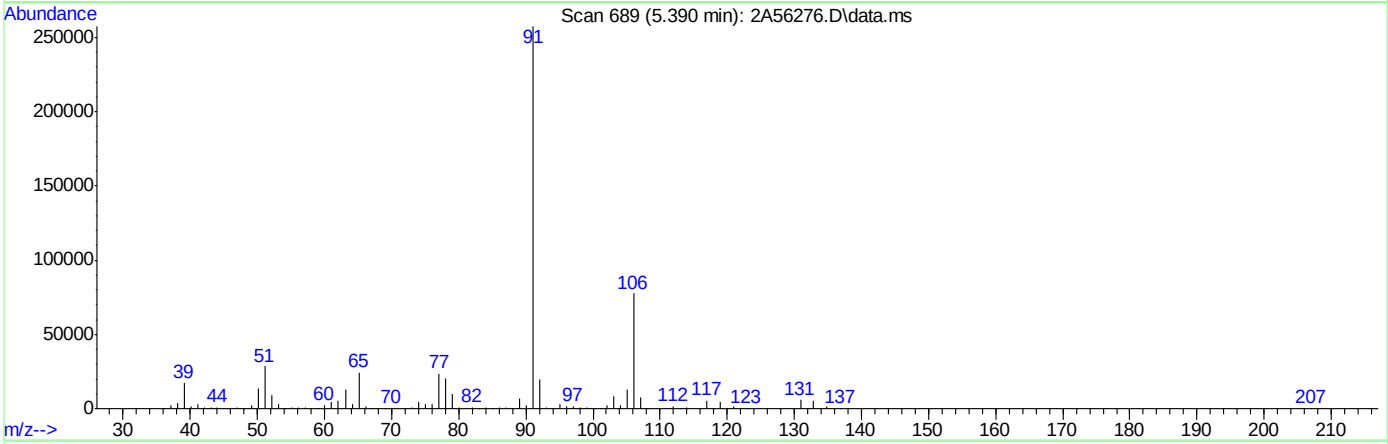
Ion	Exp%	Act%
91.00	100	100
55.00	58.90	74.50
41.00	39.20	64.25#
43.10	33.20	48.37

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56276.D
Acq On : 25 Jun 2024 10:47 am
Operator : jeniferw
Sample : ICC1910-5
Misc : MS56892,V2A1910,,,,,
ALS Vial : 57 Sample Multiplier: 1

Quant Time: Jun 25 11:23:26 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56276.D\data.ms

(77) Ethylbenzene

5.390min (+0.000) 41.56ug/L

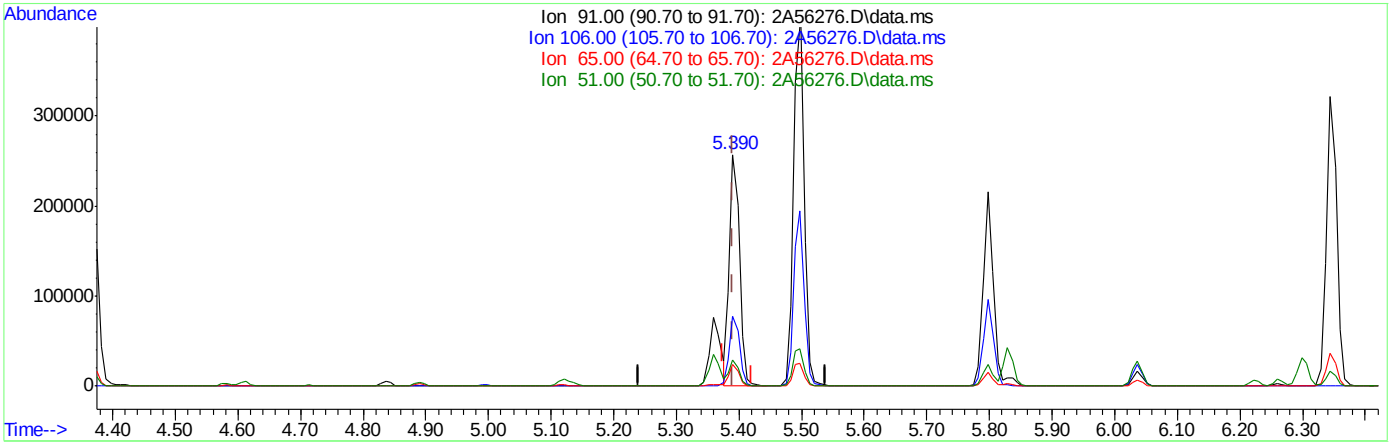
response 248476

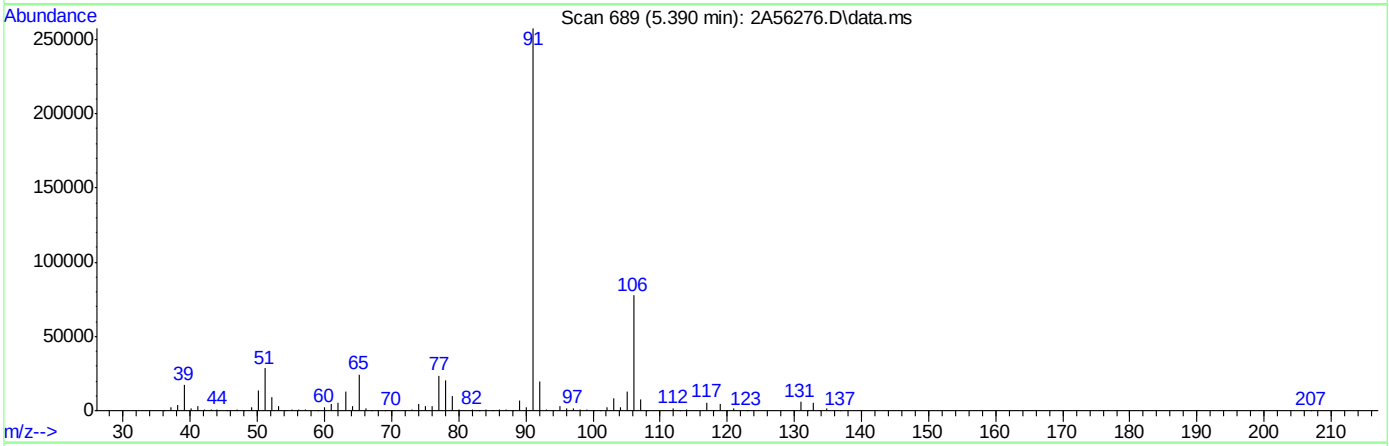
Ion	Exp%	Act%
91.00	100	100
106.00	34.30	30.16
65.00	7.10	9.48
51.00	7.10	10.99

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56276.D
Acq On : 25 Jun 2024 10:47 am
Operator : jeniferw
Sample : ICC1910-5
Misc : MS56892,V2A1910,,,,,
ALS Vial : 57 Sample Multiplier: 1

Quant Time: Jun 25 11:23:26 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56276.D\data.ms

(77) Ethylbenzene

5.390min (+0.000) 48.71ug/L m

response 291246

Ion	Exp%	Act%
91.00	100	100
106.00	34.30	30.13
65.00	7.10	9.47
51.00	7.10	11.08

2A56278.D

Manual Integrations APPROVED (compounds with "m" flag)

Karen Watson 06/26/24 07:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56278.D
Acq On : 25 Jun 2024 11:19 am
Operator : jeniferw
Sample : IC1910-6
Misc : MS56892,V2A1910,,,,,
ALS Vial : 58 Sample Multiplier: 1

Quant Time: Jun 25 12:08:30 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	3.404	96	309886	50.00	ug/L		0.00
62) Chlorobenzene-d5	5.352	117	223595	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	7.091	152	130158	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	2.958	113	86507	46.95	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 93.90%				
49) 1,2-Dichloroethane-d4	3.235	65	109344	64.01	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 128.02%#				
63) Toluene-d8	4.336	98	299861	53.56	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 107.12%				
86) 4-Bromofluorobenzene	6.229	174	103558	49.89	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.78%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.026	85	101067	63.83	ug/L		98
3) Chloromethane	1.134	50	110040	77.71	ug/L		99
4) 1,3-butadiene	1.188	39	130945	168.15	ug/L	#	76
5) Vinyl Chloride	1.180	62	113252	98.59	ug/L		98
6) Bromomethane	1.349	94	50913	107.03	ug/L		98
7) Chloroethane	1.419	64	55974	Below Cal			96
8) Trichlorofluoromethane	1.496	101	157370	78.37	ug/L		98
9) Ethyl Ether	1.657	59	83599	93.04	ug/L		88
10) Ethanol	1.711	45	25503m	2195.61	ug/L		
11) 1,2-Dichlorotrifluoroe...	1.750	67	84658	88.61	ug/L		95
12) 1,1-Dichloroethene	1.757	61	155794	89.04	ug/L		83
13) Freon 113	1.788	101	99935	67.30	ug/L	#	88
14) Carbon Disulfide	1.788	76	301538	76.10	ug/L		86
15) Iodomethane	1.834	142	94504	70.07	ug/L		90
16) Acrolein	1.911	56	104927	434.02	ug/L		98
17) Allyl chloride	1.996	41	157149	115.48	ug/L		80
18) Methylene Chloride	2.042	49	138041	96.49	ug/L	#	69
19) Acetone	2.050	43	209830	559.01	ug/L		82
20) Methyl acetate	2.127	43	521375	529.02	ug/L		88
21) trans-1,2-Dichloroethene	2.134	61	150742	87.42	ug/L		77
22) Hexane	2.196	56	99116	84.07	ug/L	#	80
23) Methyl Tert Butyl Ether	2.196	73	299894	86.07	ug/L		76
24) Acetonitrile	2.273	41	133985	1160.11	ug/L		96
25) Tert Butyl Alcohol	2.211	59	170506	925.54	ug/L	#	54
26) Di-isopropyl ether	2.396	45	330465	119.42	ug/L		88
27) Chloroprene	2.442	53	435271	99.91	ug/L		92
28) 1,1-Dichloroethane	2.442	63	194078	84.92	ug/L		97
29) Acrylonitrile	2.442	52	262783	508.97	ug/L		98
30) ETBE	2.581	59	330921	99.11	ug/L		91
31) Vinyl acetate	2.558	43	1341407	689.01	ug/L		98
32) cis-1,2-Dichloroethene	2.719	96	111845	66.44	ug/L	#	77
33) 2,2-Dichloropropane	2.781	77	156006	86.59	ug/L		95
34) Bromochloromethane	2.819	128	56154	57.88	ug/L	#	60
35) Cyclohexane	2.858	56	191761	93.76	ug/L	#	81

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56278.D
Acq On : 25 Jun 2024 11:19 am
Operator : jeniferw
Sample : IC1910-6
Misc : MS56892,V2A1910,,,,,
ALS Vial : 58 Sample Multiplier: 1

Quant Time: Jun 25 12:08:30 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Chloroform	2.858	83	195539	74.65	ug/L		95
37) Ethyl acetate	2.912	43	728475	644.79	ug/L		90
38) Tetrahydrofuran	2.943	42	49695	111.16	ug/L		82
40) Carbon Tetrachloride	2.958	117	158194m	65.83	ug/L		
41) 1,1,1-Trichloroethane	2.989	97	172517	72.70	ug/L		94
42) 2-Butanone	3.004	43	361022	594.56	ug/L		83
43) 1,1-Dichloropropene	3.050	75	142098	83.80	ug/L		78
44) tert-Butyl formate	3.096	59	486654	494.68	ug/L		94
45) Propionitrile	3.143	54	194845	843.58	ug/L		98
46) Methacrylonitrile	3.166	41	808649	1159.42	ug/L		94
47) Benzene	3.181	78	407991	75.72	ug/L		85
48) TAME	3.250	73	284957	88.34	ug/L		92
50) 1,2-Dichloroethane	3.274	62	152096	87.68	ug/L		96
51) Isobutyl Alcohol	3.250	43	210094	2145.03	ug/L		78
52) Tert Amyl Alcohol	3.320	59	137488	938.27	ug/L		89
53) Trichloroethene	3.504	95	117571	74.37	ug/L		82
54) Methylcyclohexane	3.527	83	192253	76.64	ug/L		83
55) Dibromomethane	3.735	93	72464	76.58	ug/L		86
56) 1,2-Dichloropropane	3.789	63	106975	89.41	ug/L		89
57) Bromodichloromethane	3.828	83	151246	81.94	ug/L	#	96
58) Methyl methacrylate	3.920	41	107477	127.01	ug/L	#	71
59) 1,4-Dioxane	3.935	88	21251	1306.23	ug/L		78
60) 2-Chloroethyl vinyl ether	4.166	63	383803	507.58	ug/L		84
61) cis-1,3-Dichloropropene	4.205	75	169892	86.66	ug/L		79
64) Toluene	4.366	91	433707	79.59	ug/L		99
65) 2-Nitropropane	4.466	41	220892	625.98	ug/L		92
66) 4-Methyl-2-pentanone	4.582	43	699953	684.58	ug/L		87
67) trans-1,3-Dichloropropene	4.613	75	162855	101.56	ug/L		83
68) Tetrachloroethene	4.628	166	119324	60.36	ug/L		96
69) Ethyl methacrylate	4.728	69	140373	102.77	ug/L	#	73
70) 1,1,2-Trichloroethane	4.713	83	86174	93.78	ug/L		88
71) Dibromochloromethane	4.836	129	115373	75.13	ug/L		99
72) 1,3-Dichloropropane	4.890	76	157586	93.22	ug/L		76
73) 1,2-Dibromoethane	4.990	107	108061	80.66	ug/L		96
74) 3,3-Dimethyl-1-Butanol	5.121	57	837604	5373.32	ug/L		95
75) 2-hexanone	5.136	43	663063	660.38	ug/L		78
76) 1-Chlorohexane	5.359	91	158783m	80.63	ug/L		
77) Ethylbenzene	5.390	91	504324m	82.89	ug/L		
78) Chlorobenzene	5.359	112	284055	72.24	ug/L		84
79) 1,1,1,2-Tetrachloroethane	5.405	131	105341	73.24	ug/L		98
80) m,p-Xylene	5.498	91	829617	166.18	ug/L		93
81) o-Xylene	5.798	91	437261	85.92	ug/L		91
82) Styrene	5.829	104	320362	81.87	ug/L		89
83) Bromoform	5.836	173	83766	67.50	ug/L		97
84) Isopropylbenzene	6.037	105	504518	77.41	ug/L		96
87) cis-1,4-Dichloro-2-butene	6.260	53	41064	108.37	ug/L	#	84
88) n-Propylbenzene	6.344	91	629393	99.79	ug/L		88
89) Bromobenzene	6.298	156	124087	73.95	ug/L	#	68
90) 1,1,2,2-Tetrachloroethane	6.367	83	142895	100.43	ug/L		98
91) 1,3,5-Trimethylbenzene	6.498	105	431019	90.39	ug/L		94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56278.D
Acq On : 25 Jun 2024 11:19 am
Operator : jeniferw
Sample : IC1910-6
Misc : MS56892,V2A1910,,,,,
ALS Vial : 58 Sample Multiplier: 1

Quant Time: Jun 25 12:08:30 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration

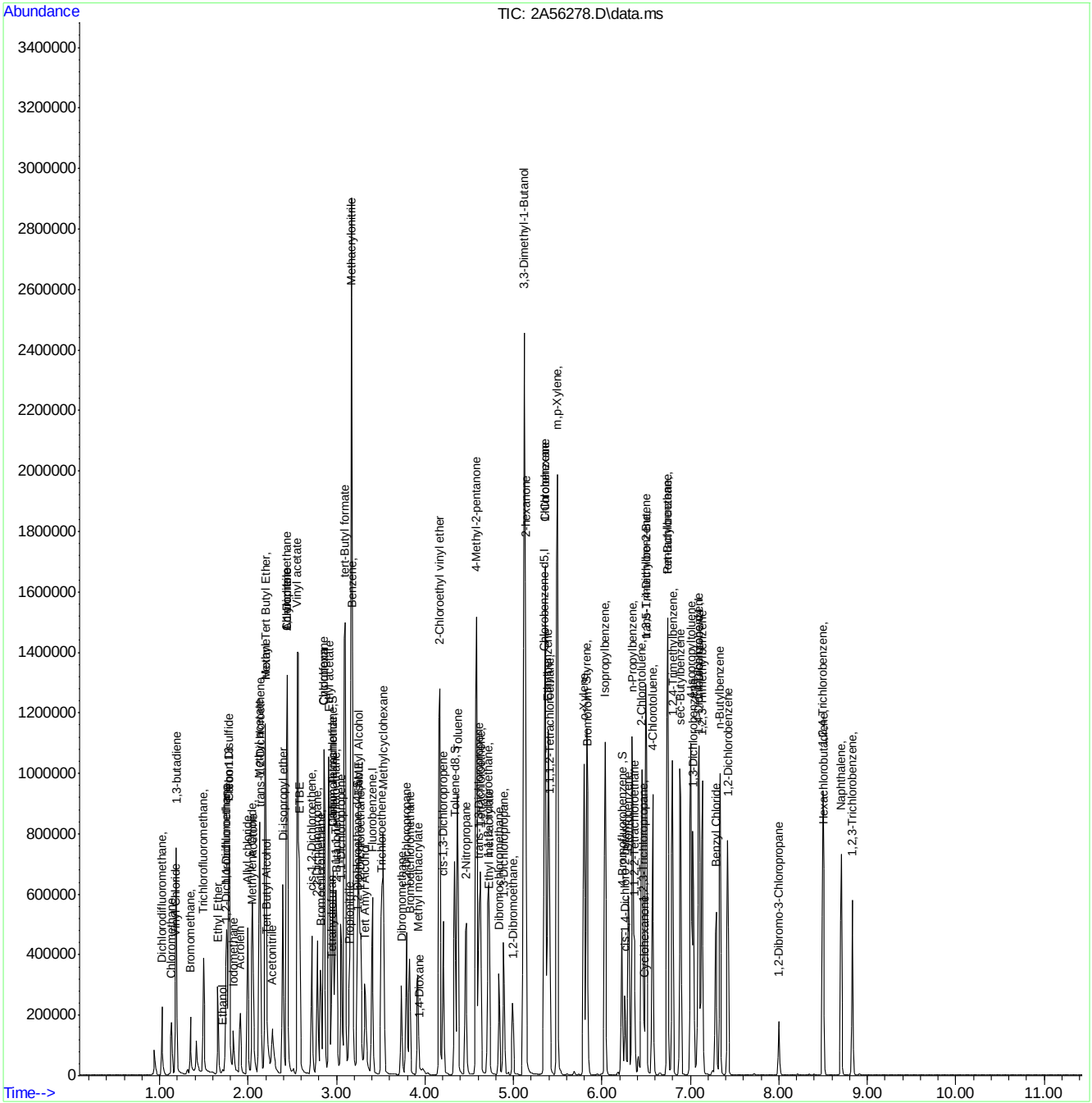
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92)	2-Chlorotoluene	6.452	91	352087	96.25	ug/L		93
93)	trans-1,4-Dichloro-2-B...	6.498	53	50527	113.31	ug/L	#	67
94)	1,2,3-Trichloropropane	6.468	110	39962	84.89	ug/L		81
95)	Cyclohexanone	6.475	55	21168	542.43	ug/L	#	78
96)	4-Chlorotoluene	6.575	91	373873	96.14	ug/L		88
97)	tert-Butylbenzene	6.745	91	255929	99.07	ug/L		85
98)	1,2,4-Trimethylbenzene	6.798	105	412947	81.96	ug/L		97
99)	Pentachloroethane	6.745	167	72850	72.61	ug/L	#	71
100)	sec-Butylbenzene	6.883	105	542807	88.12	ug/L		92
101)	4-Isopropyltoluene	7.006	119	460059	86.96	ug/L		95
102)	1,3-Dichlorobenzene	7.029	146	235255	71.06	ug/L		90
103)	1,2,3-Trimethylbenzene	7.137	105	413093	88.82	ug/L		97
104)	1,4-Dichlorobenzene	7.099	146	236866	71.09	ug/L		90
105)	n-Butylbenzene	7.337	92	210585	88.52	ug/L		94
106)	Benzyl Chloride	7.291	126	59065	87.90	ug/L	#	72
107)	1,2-Dichlorobenzene	7.422	146	214447	73.08	ug/L		92
108)	1,2-Dibromo-3-Chloropr...	7.999	75	30023	105.02	ug/L	#	43
109)	Hexachlorobutadiene	8.507	225	55412	53.40	ug/L		92
110)	1,2,4-Trichlorobenzene	8.499	180	127659	65.56	ug/L		97
111)	Naphthalene	8.707	128	355444	82.82	ug/L		100
112)	1,2,3-Trichlorobenzene	8.830	180	114300	63.41	ug/L		94

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56278.D
Acq On : 25 Jun 2024 11:19 am
Operator : jeniferw
Sample : IC1910-6
Misc : MS56892,V2A1910,,,,,
ALS Vial : 58 Sample Multiplier: 1

Quant Time: Jun 25 12:08:30 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: V2A1910-IC1910
Lab FileID: 2A56278.D
Injection Time: 06/25/24 11:19

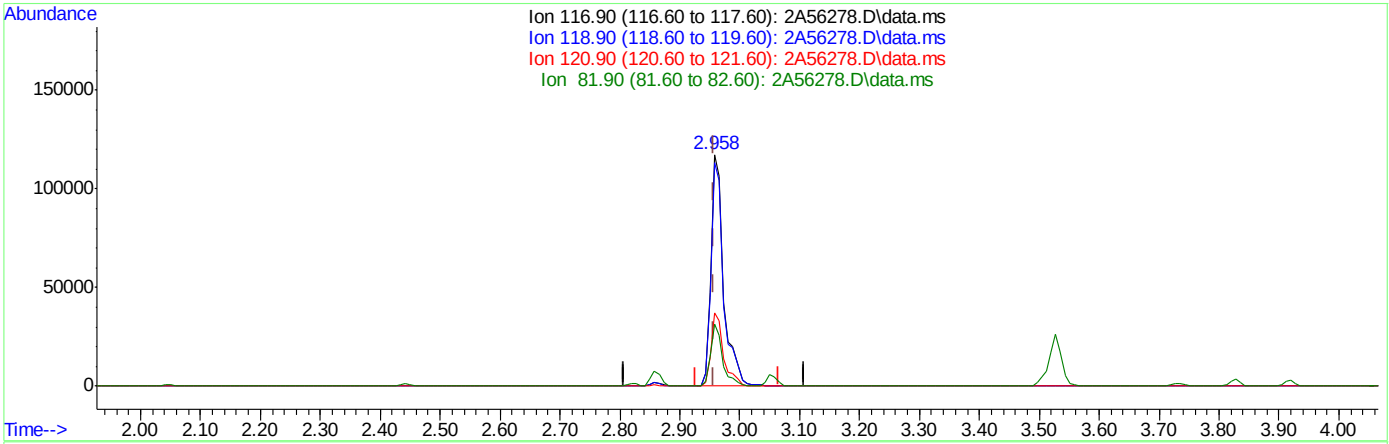
Method: SW846 8260D
Analyst approved: 06/25/24 13:54 Jenifer Willis
Supervisor approved: 06/26/24 07:53 Karen Watson

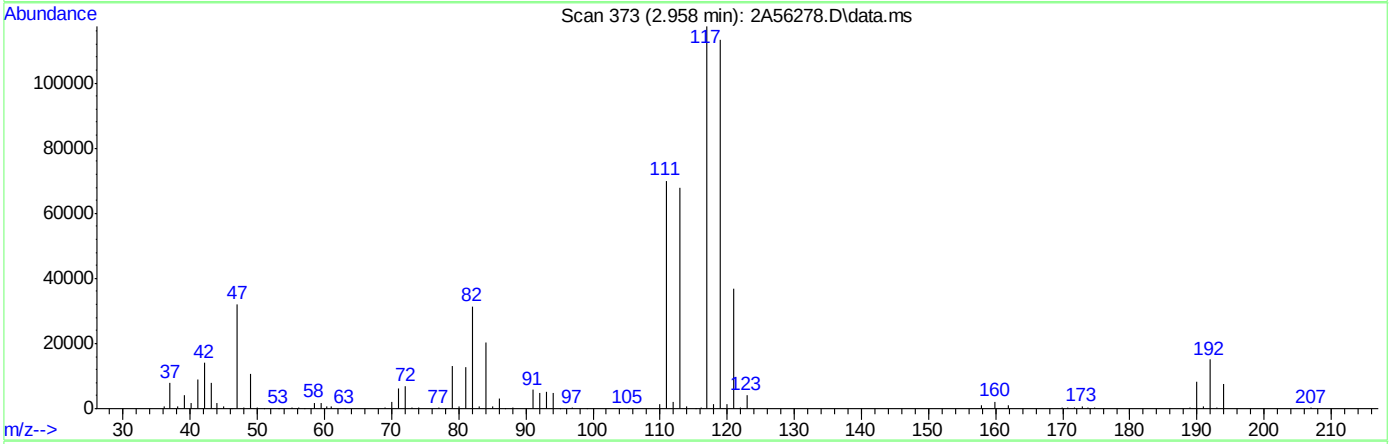
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		1.71	Poorly defined baseline
Carbon Tetrachloride	56-23-5		2.96	Overlapping peak
1-Chlorohexane	544-10-5		5.36	Poorly defined baseline
Ethylbenzene	100-41-4		5.39	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56278.D
Acq On : 25 Jun 2024 11:19 am
Operator : jeniferw
Sample : IC1910-6
Misc : MS56892,V2A1910,,,,,
ALS Vial : 58 Sample Multiplier: 1

Quant Time: Jun 25 11:59:03 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56278.D\data.ms

(40) Carbon Tetrachloride ( )

2.958min (-0.000) 72.82ug/L

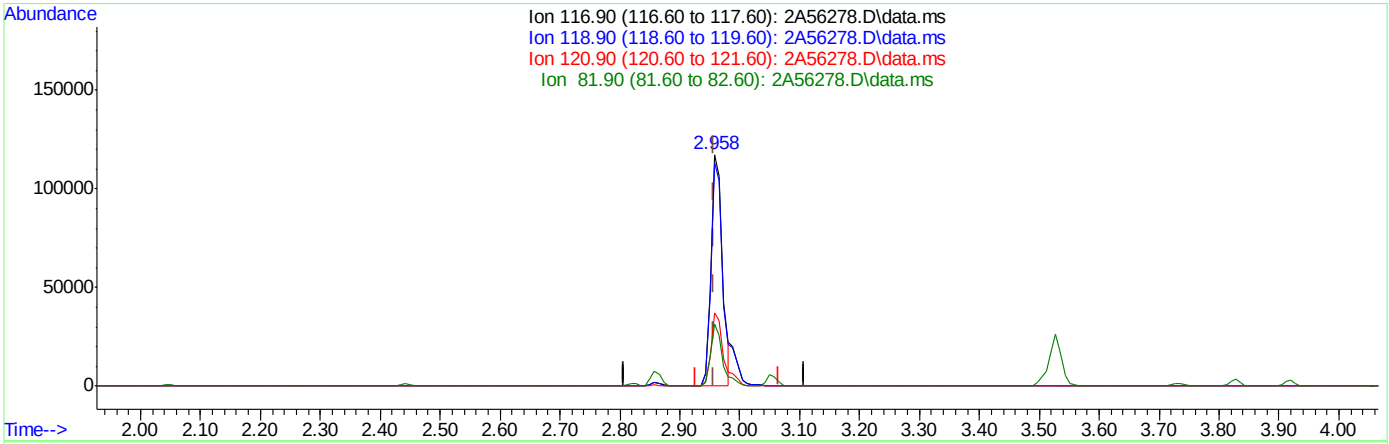
response 175008

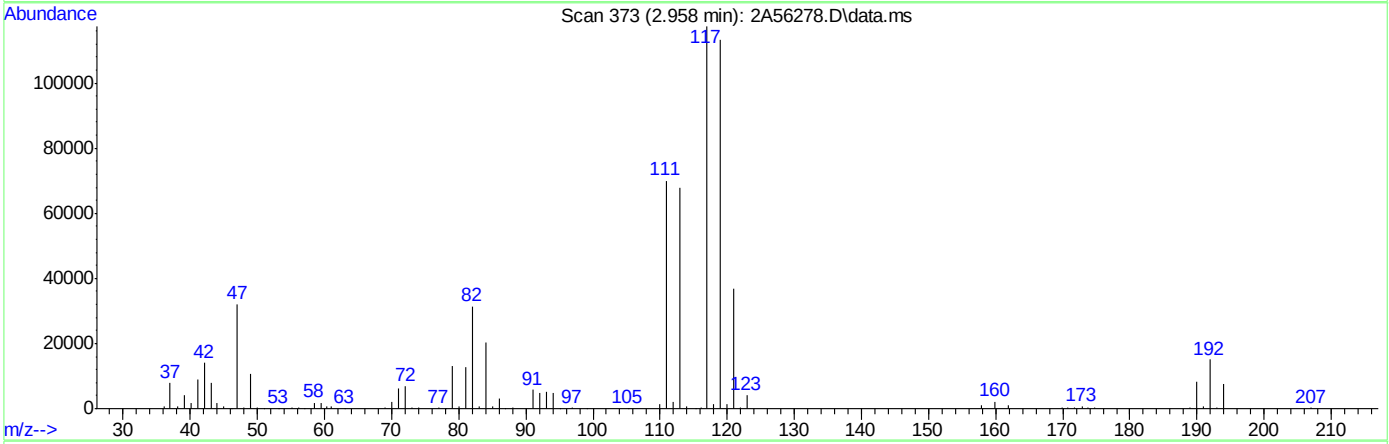
Ion	Exp%	Act%
116.90	100	100
118.90	96.30	96.53
120.90	31.00	31.43
81.90	19.00	26.84

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56278.D
Acq On : 25 Jun 2024 11:19 am
Operator : jeniferw
Sample : IC1910-6
Misc : MS56892,V2A1910,,,,,
ALS Vial : 58 Sample Multiplier: 1

Quant Time: Jun 25 11:59:03 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56278.D\data.ms

(40) Carbon Tetrachloride ( )

2.958min (-0.000) 65.83ug/L m

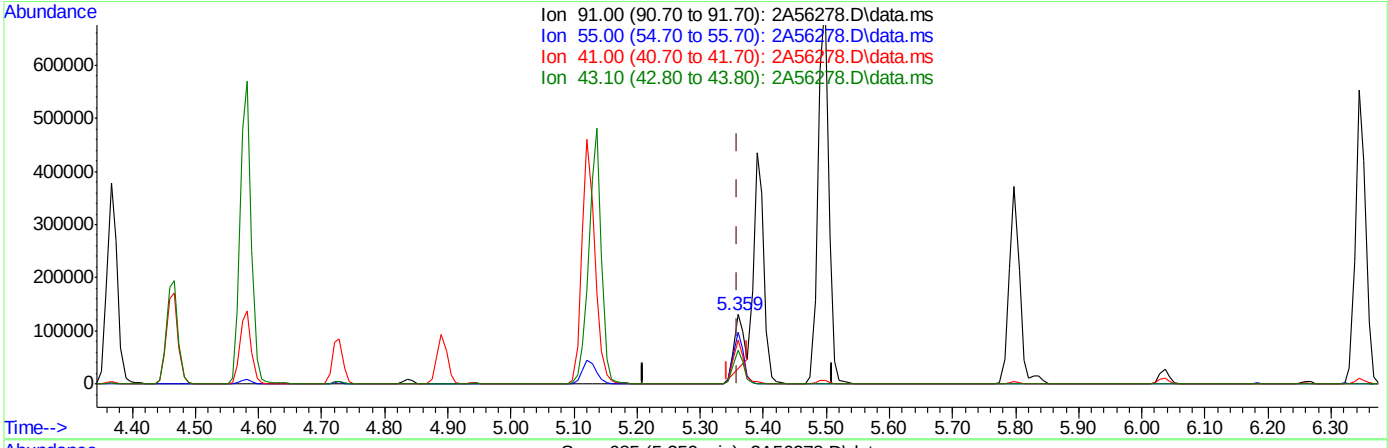
response 158194

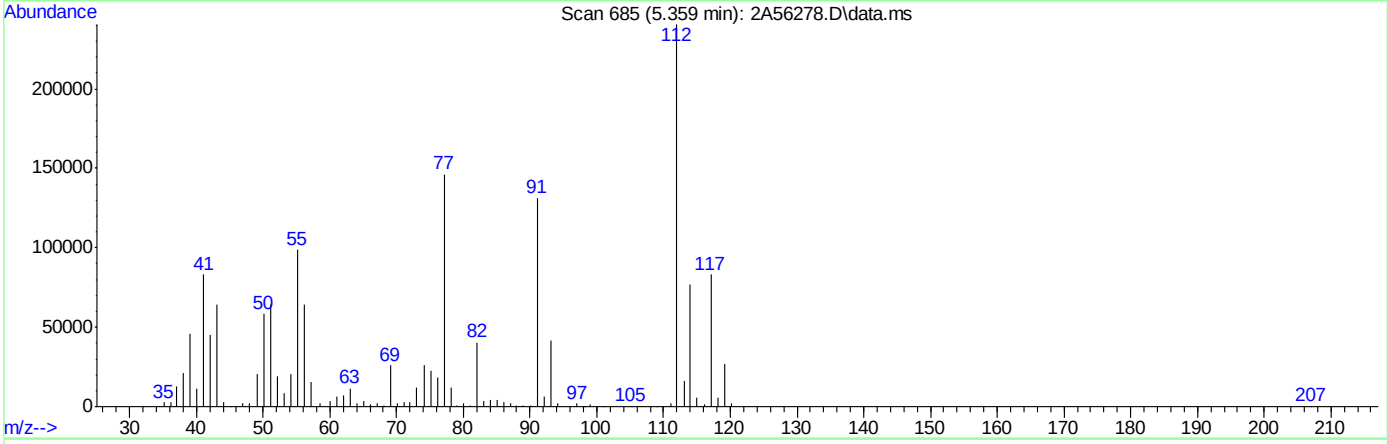
Ion	Exp%	Act%
116.90	100	100
118.90	96.30	96.53
120.90	31.00	31.43
81.90	19.00	26.84

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56278.D
Acq On : 25 Jun 2024 11:19 am
Operator : jeniferw
Sample : IC1910-6
Misc : MS56892,V2A1910,,,,,
ALS Vial : 58 Sample Multiplier: 1

Quant Time: Jun 25 11:59:03 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56278.D\data.ms

(76) 1-Chlorohexane

5.359min (-0.001) 54.22ug/L

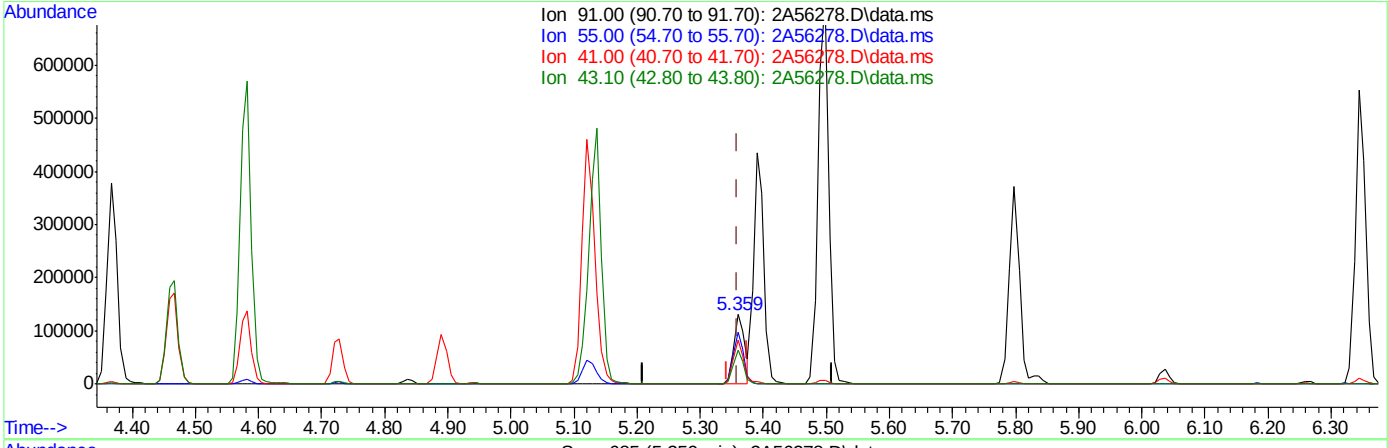
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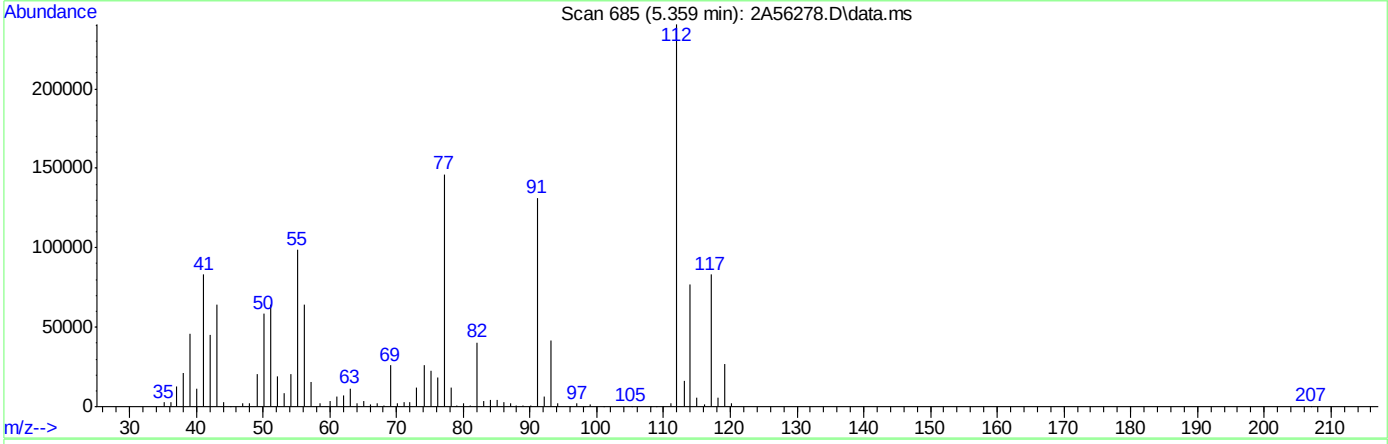
Ion	Exp%	Act%
91.00	100	100
55.00	58.90	72.54
41.00	39.20	61.34#
43.10	33.20	47.40

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56278.D
Acq On : 25 Jun 2024 11:19 am
Operator : jeniferw
Sample : IC1910-6
Misc : MS56892,V2A1910,,,,,
ALS Vial : 58 Sample Multiplier: 1

Quant Time: Jun 25 11:59:03 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56278.D\data.ms

(76) 1-Chlorohexane

5.359min (-0.001) 80.63ug/L m

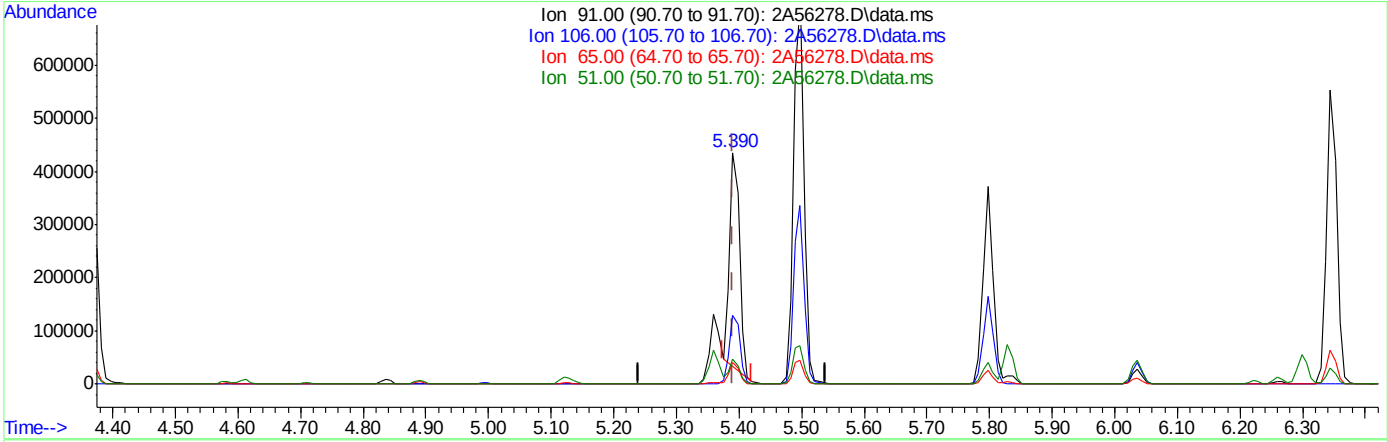
response 158783

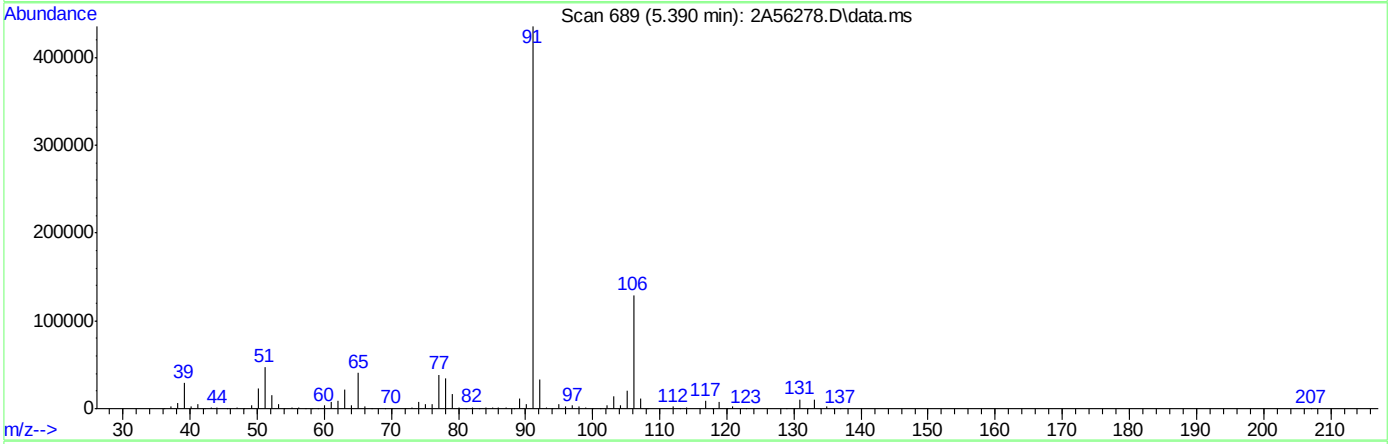
Ion	Exp%	Act%
91.00	100	100
55.00	58.90	75.15
41.00	39.20	63.29#
43.10	33.20	48.71

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56278.D
Acq On : 25 Jun 2024 11:19 am
Operator : jeniferw
Sample : IC1910-6
Misc : MS56892,V2A1910,,,,,
ALS Vial : 58 Sample Multiplier: 1

Quant Time: Jun 25 11:59:03 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56278.D\data.ms

(77) Ethylbenzene

5.390min (+0.000) 70.83ug/L

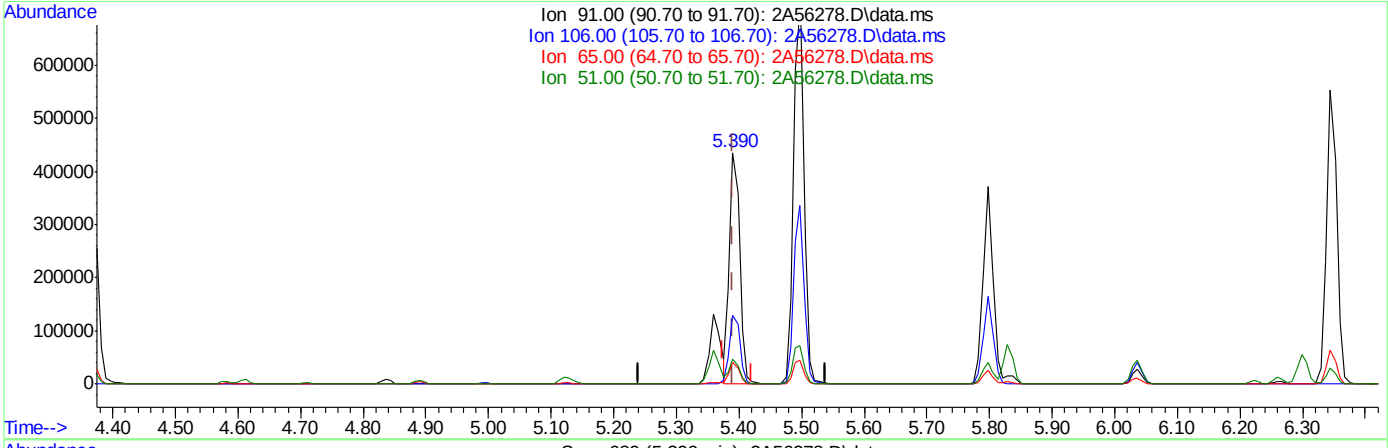
response 430976

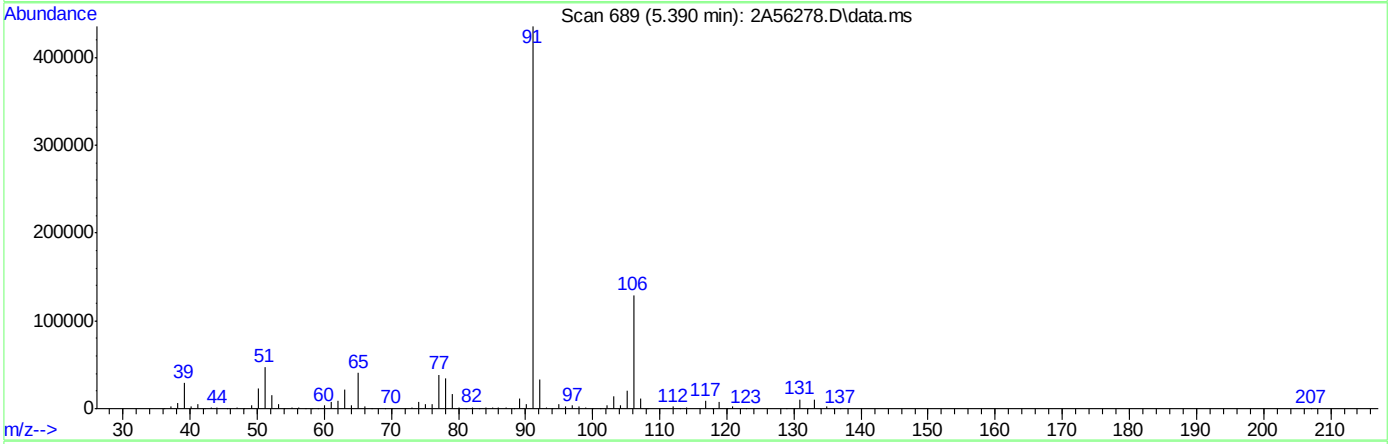
Ion	Exp%	Act%
91.00	100	100
106.00	34.30	29.71
65.00	7.10	9.24
51.00	7.10	10.86

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56278.D
Acq On : 25 Jun 2024 11:19 am
Operator : jeniferw
Sample : IC1910-6
Misc : MS56892,V2A1910,,,,,
ALS Vial : 58 Sample Multiplier: 1

Quant Time: Jun 25 11:59:03 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56278.D\data.ms

(77) Ethylbenzene

5.390min (+0.000) 82.89ug/L m

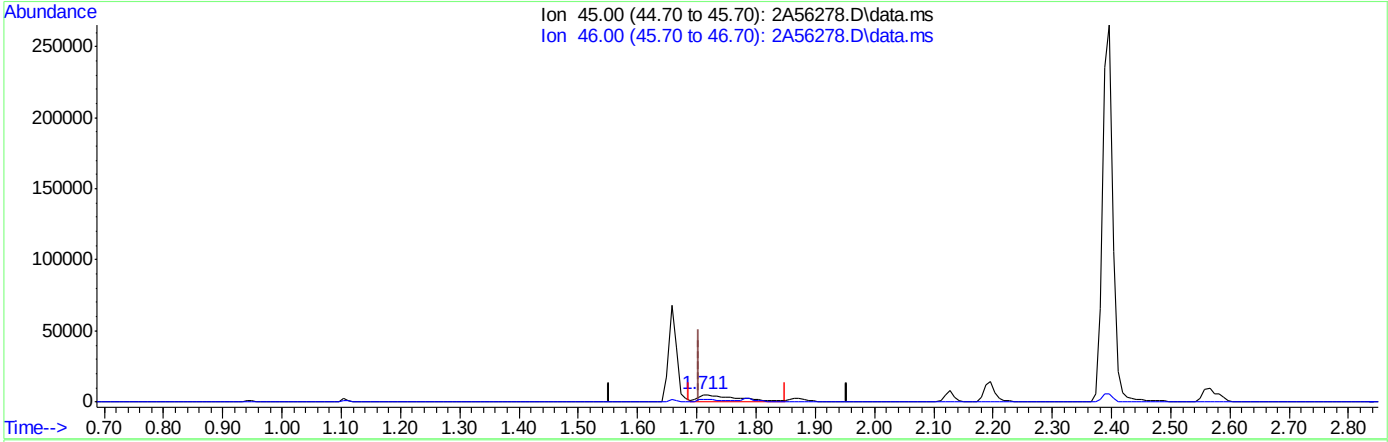
response 504324

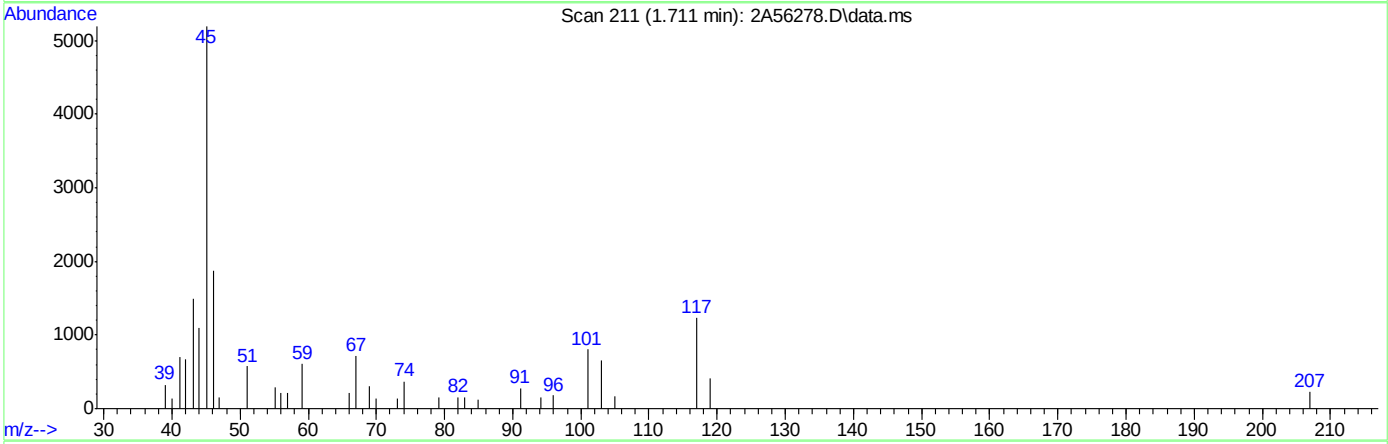
Ion	Exp%	Act%
91.00	100	100
106.00	34.30	29.69
65.00	7.10	9.25
51.00	7.10	10.94

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56278.D
Acq On : 25 Jun 2024 11:19 am
Operator : jeniferw
Sample : IC1910-6
Misc : MS56892,V2A1910,,,,,
ALS Vial : 58 Sample Multiplier: 1

Quant Time: Jun 25 11:59:24 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56278.D\data.ms

(10) Ethanol

1.711min (+0.007) 1920.81ug/L

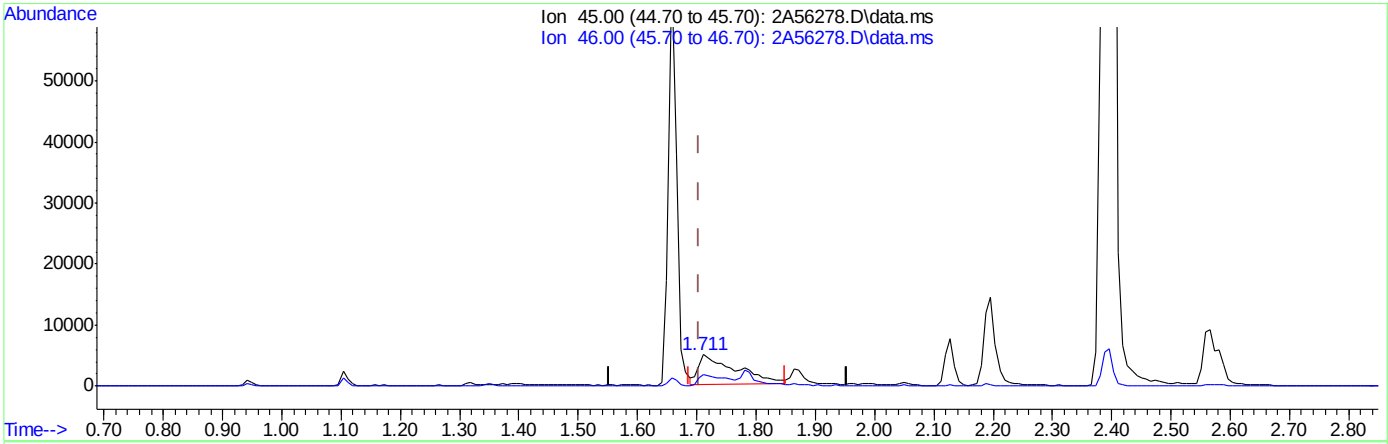
response 22311

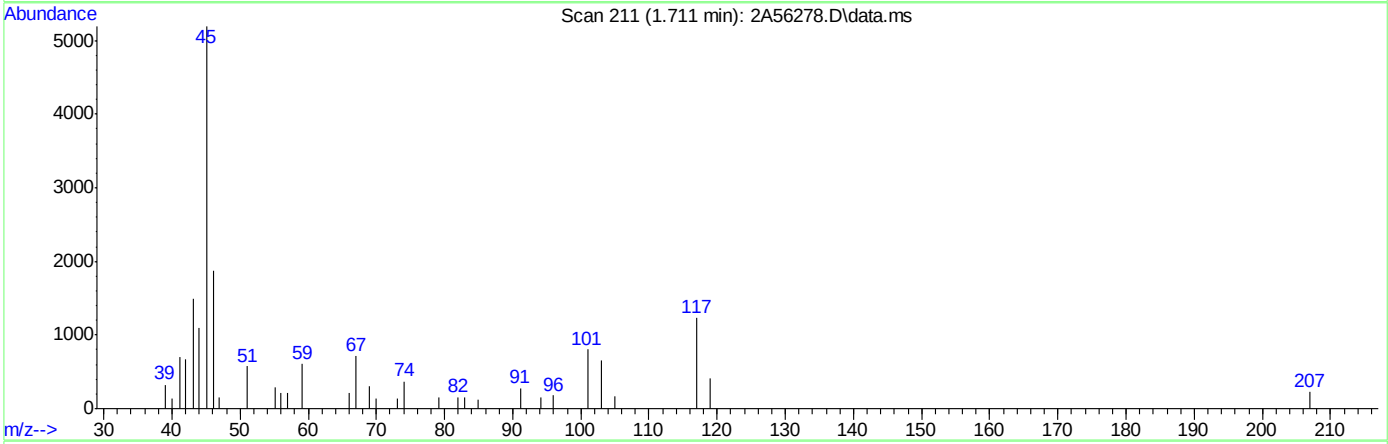
Ion	Exp%	Act%
45.00	100	100
46.00	46.00	44.18
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56278.D
Acq On : 25 Jun 2024 11:19 am
Operator : jeniferw
Sample : IC1910-6
Misc : MS56892,V2A1910,,,,,
ALS Vial : 58 Sample Multiplier: 1

Quant Time: Jun 25 11:59:24 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56278.D\data.ms

(10) Ethanol

1.711min (+0.007) 1920.81ug/L

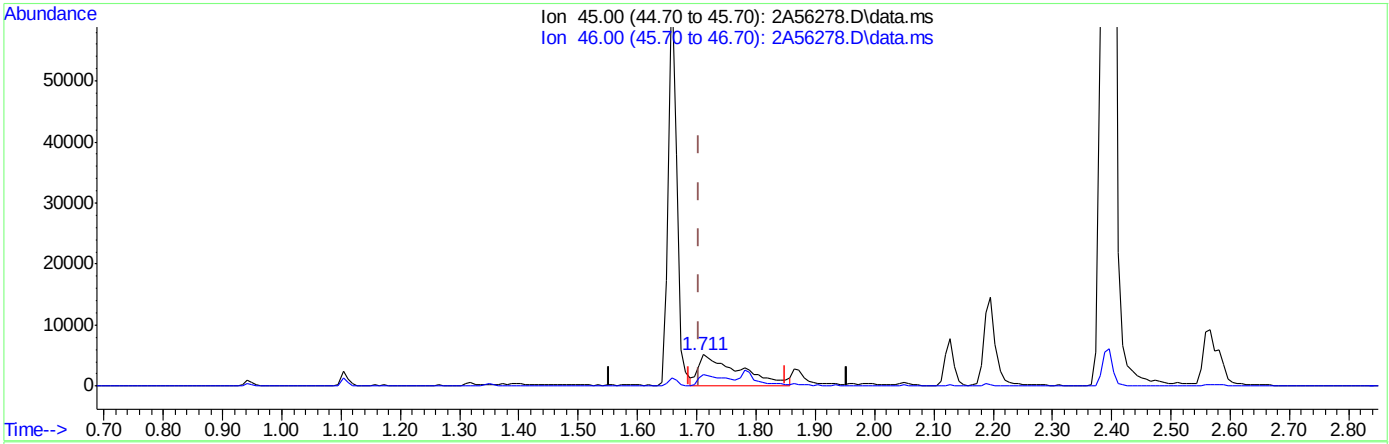
response 22311

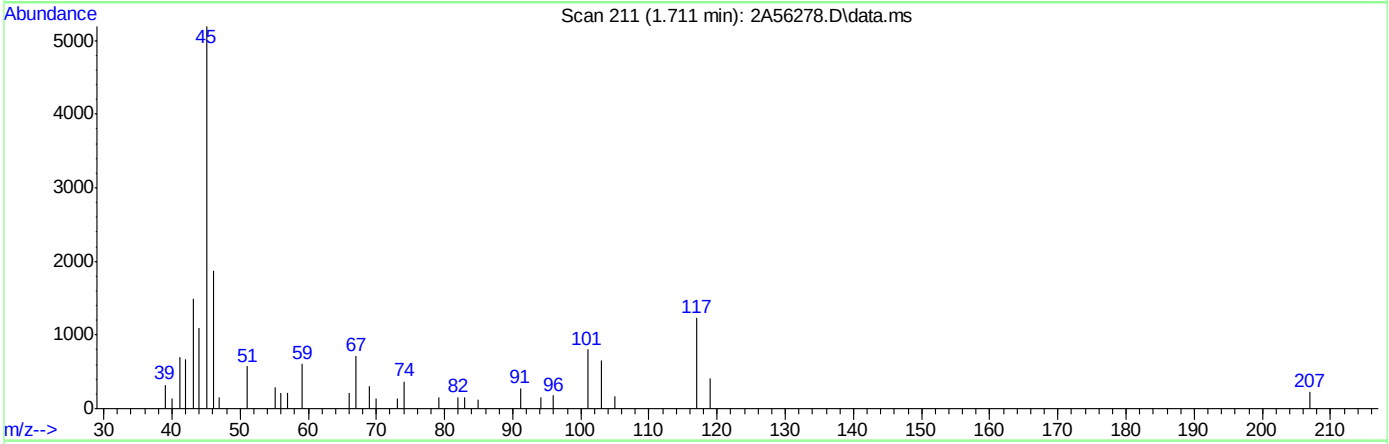
Ion	Exp%	Act%
45.00	100	100
46.00	46.00	44.18
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56278.D
Acq On : 25 Jun 2024 11:19 am
Operator : jeniferw
Sample : IC1910-6
Misc : MS56892,V2A1910,,,,,
ALS Vial : 58 Sample Multiplier: 1

Quant Time: Jun 25 11:59:24 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 04 12:31:11 2024
Response via : Initial Calibration





TIC: 2A56278.D\data.ms

(10) Ethanol

1.711min (+0.007) 2195.61ug/L m

response 25503

Ion	Exp%	Act%
45.00	100	100
46.00	46.00	36.06
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson 06/26/24 07:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56280.D
Acq On : 25 Jun 2024 11:51 am
Operator : jeniferw
Sample : IC1910-7
Misc : MS56892,V2A1910,,,,,
ALS Vial : 59 Sample Multiplier: 1

Quant Time: Jun 25 12:03:58 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 12:00:37 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	3.405	96	311293	50.00	ug/L		0.00
62) Chlorobenzene-d5	5.352	117	221306	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	7.091	152	127691	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	2.950	113	86171	47.67	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 95.34%				
49) 1,2-Dichloroethane-d4	3.235	65	95865	43.81	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 87.62%				
63) Toluene-d8	4.336	98	299071	49.83	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 99.66%				
86) 4-Bromofluorobenzene	6.229	174	102191	50.65	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.30%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.026	85	140393	90.13	ug/L		98
3) Chloromethane	1.126	50	157090	82.69	ug/L		99
4) 1,3-butadiene	1.188	39	176551	69.75	ug/L	#	78
5) Vinyl Chloride	1.173	62	158920	87.35	ug/L		98
6) Bromomethane	1.350	94	74547	80.17	ug/L		97
7) Chloroethane	1.411	64	73902	Below Cal			95
8) Trichlorofluoromethane	1.496	101	214795	89.04	ug/L		100
9) Ethyl Ether	1.657	59	118250	92.44	ug/L		90
10) Ethanol	1.719	45	43494m	2349.36	ug/L		
11) 1,2-Dichlorotrifluoroe...	1.742	67	117459	80.20	ug/L	#	87
12) 1,1-Dichloroethene	1.758	61	217264	88.49	ug/L		86
13) Freon 113	1.788	101	139820	97.26	ug/L		91
14) Carbon Disulfide	1.781	76	421278	86.74	ug/L		83
15) Iodomethane	1.834	142	128804	84.81	ug/L		90
16) Acrolein	1.911	56	150707	500.06	ug/L		97
17) Allyl chloride	1.996	41	220748	87.50	ug/L		82
18) Methylene Chloride	2.042	49	193758	68.92	ug/L	#	70
19) Acetone	2.050	43	281912	444.39	ug/L		81
20) Methyl acetate	2.127	43	746648	479.83	ug/L		88
21) trans-1,2-Dichloroethene	2.135	61	212654	87.05	ug/L		78
22) Hexane	2.196	56	141075	98.30	ug/L	#	82
23) Methyl Tert Butyl Ether	2.196	73	431411	98.75	ug/L		76
24) Acetonitrile	2.273	41	180111	1008.89	ug/L		97
25) Tert Butyl Alcohol	2.212	59	240469	959.23	ug/L		59
26) Di-isopropyl ether	2.396	45	474350	95.66	ug/L		88
27) Chloroprene	2.442	53	615521	94.60	ug/L		92
28) 1,1-Dichloroethane	2.442	63	269611	86.32	ug/L		98
29) Acrylonitrile	2.442	52	377032	481.34	ug/L		97
30) ETBE	2.581	59	472373	101.25	ug/L		91
31) Vinyl acetate	2.558	43	1927570	519.15	ug/L		98
32) cis-1,2-Dichloroethene	2.720	96	158515	84.46	ug/L	#	79
33) 2,2-Dichloropropane	2.781	77	216468	85.63	ug/L		95
34) Bromochloromethane	2.820	128	77153	88.01	ug/L	#	61
35) Cyclohexane	2.858	56	270103	94.11	ug/L	#	81

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56280.D
Acq On : 25 Jun 2024 11:51 am
Operator : jeniferw
Sample : IC1910-7
Misc : MS56892,V2A1910,,,,,
ALS Vial : 59 Sample Multiplier: 1

Quant Time: Jun 25 12:03:58 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 12:00:37 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Chloroform	2.858	83	275344	85.20	ug/L		95
37) Ethyl acetate	2.912	43	1051864	516.59	ug/L		90
38) Tetrahydrofuran	2.943	42	70907	96.88	ug/L		82
40) Carbon Tetrachloride	2.958	117	226959m	95.08	ug/L		
41) 1,1,1-Trichloroethane	2.989	97	245050	88.73	ug/L		93
42) 2-Butanone	3.004	43	520851	513.21	ug/L		83
43) 1,1-Dichloropropene	3.051	75	197999	91.30	ug/L		78
44) tert-Butyl formate	3.097	59	714706	570.12	ug/L		94
45) Propionitrile	3.143	54	268656	911.68	ug/L		97
46) Methacrylonitrile	3.166	41	1147423	1000.79	ug/L		95
47) Benzene	3.181	78	575531	90.33	ug/L		83
48) TAME	3.251	73	412773	101.24	ug/L		97
50) 1,2-Dichloroethane	3.274	62	217216	93.68	ug/L		96
51) Isobutyl Alcohol	3.251	43	287387	1808.73	ug/L		74
52) Tert Amyl Alcohol	3.328	59	198976	999.00	ug/L		91
53) Trichloroethene	3.505	95	163753	90.10	ug/L		83
54) Methylcyclohexane	3.528	83	274348	98.54	ug/L		83
55) Dibromomethane	3.736	93	103739	94.71	ug/L		89
56) 1,2-Dichloropropane	3.789	63	150223	91.39	ug/L		90
57) Bromodichloromethane	3.828	83	214676	93.59	ug/L	#	96
58) Methyl methacrylate	3.913	41	155564	101.82	ug/L	#	65
59) 1,4-Dioxane	3.936	88	31482	2252.77	ug/L		84
60) 2-Chloroethyl vinyl ether	4.167	63	555189	500.42	ug/L		85
61) cis-1,3-Dichloropropene	4.205	75	244391	98.88	ug/L		79
64) Toluene	4.367	91	613625	91.42	ug/L		99
65) 2-Nitropropane	4.467	41	316465	485.60	ug/L		93
66) 4-Methyl-2-pentanone	4.582	43	997238	503.78	ug/L		87
67) trans-1,3-Dichloropropene	4.613	75	232679	106.92	ug/L		88
68) Tetrachloroethene	4.628	166	168811	98.11	ug/L		95
69) Ethyl methacrylate	4.728	69	197721	100.62	ug/L	#	72
70) 1,1,2-Trichloroethane	4.713	83	121996	97.50	ug/L		89
71) Dibromochloromethane	4.836	129	167172	109.20	ug/L		98
72) 1,3-Dichloropropane	4.890	76	225730	104.66	ug/L		76
73) 1,2-Dibromoethane	4.990	107	154674	105.09	ug/L		95
74) 3,3-Dimethyl-1-Butanol	5.121	57	1233911	5061.21	ug/L		95
75) 2-hexanone	5.136	43	938898	486.94	ug/L		85
76) 1-Chlorohexane	5.359	91	225210m	88.21	ug/L		
77) Ethylbenzene	5.390	91	712180m	91.61	ug/L		
78) Chlorobenzene	5.359	112	402054	92.74	ug/L		85
79) 1,1,1,2-Tetrachloroethane	5.406	131	151064	103.57	ug/L		98
80) m,p-Xylene	5.498	91	1169099	183.99	ug/L		93
81) o-Xylene	5.798	91	613880	92.29	ug/L		91
82) Styrene	5.829	104	454602	95.11	ug/L		89
83) Bromoform	5.837	173	121270	112.11	ug/L		98
84) Isopropylbenzene	6.037	105	709116	90.29	ug/L		96
87) cis-1,4-Dichloro-2-butene	6.260	53	61122	112.97	ug/L	#	75
88) n-Propylbenzene	6.345	91	884199	93.09	ug/L		87
89) Bromobenzene	6.306	156	173223	96.59	ug/L	#	81
90) 1,1,2,2-Tetrachloroethane	6.368	83	203287	96.23	ug/L		97
91) 1,3,5-Trimethylbenzene	6.498	105	601371	93.24	ug/L		94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56280.D
Acq On : 25 Jun 2024 11:51 am
Operator : jeniferw
Sample : IC1910-7
Misc : MS56892,V2A1910,,,,,
ALS Vial : 59 Sample Multiplier: 1

Quant Time: Jun 25 12:03:58 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 12:00:37 2024
Response via : Initial Calibration

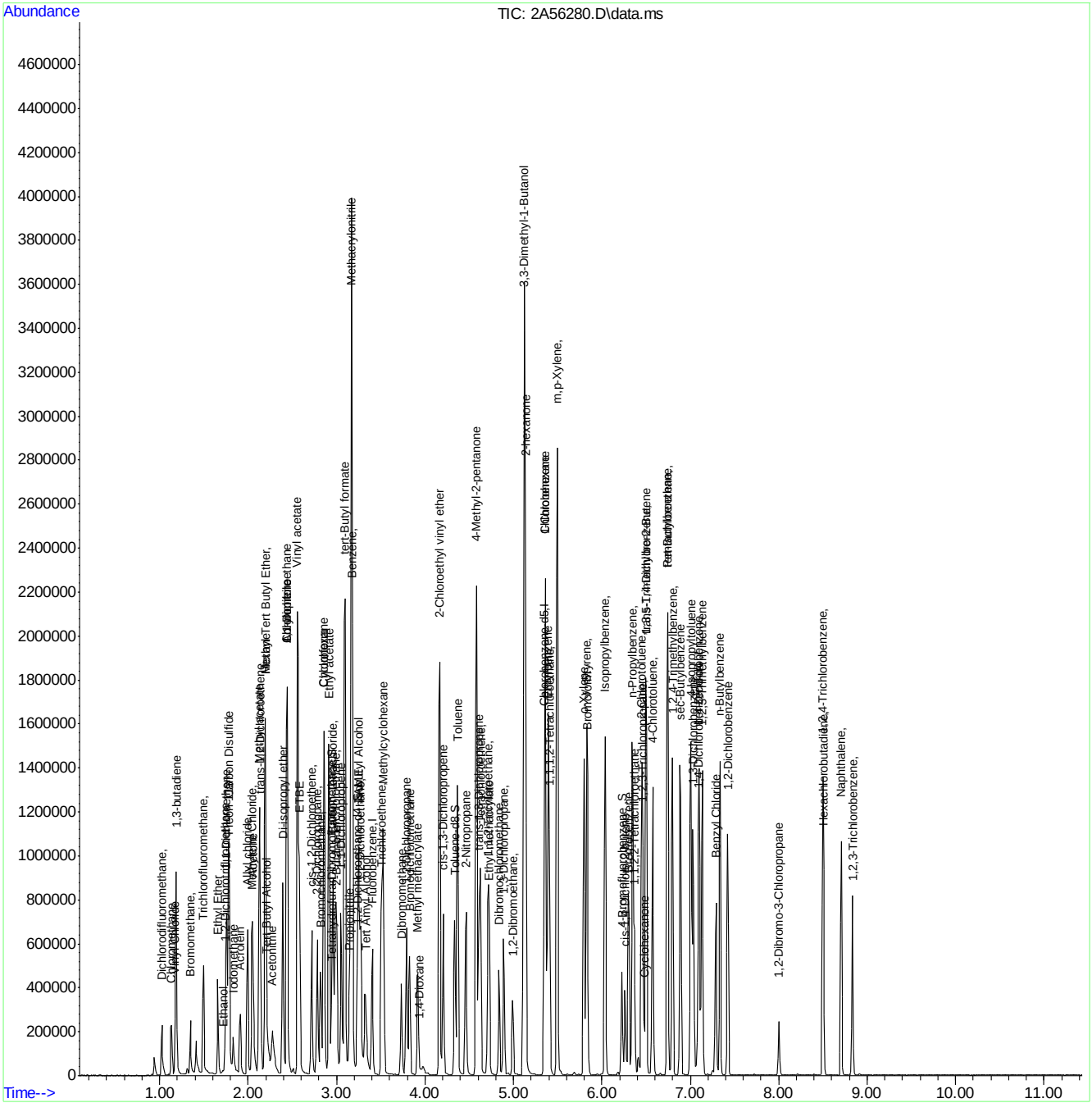
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92)	2-Chlorotoluene	6.452	91	489515	93.41	ug/L		94
93)	trans-1,4-Dichloro-2-B...	6.498	53	72150	101.81	ug/L	#	68
94)	1,2,3-Trichloropropane	6.460	110	56754	103.50	ug/L	#	65
95)	Cyclohexanone	6.475	55	31152	493.24	ug/L	#	79
96)	4-Chlorotoluene	6.575	91	521630	92.90	ug/L		88
97)	tert-Butylbenzene	6.745	91	353931	90.97	ug/L		86
98)	1,2,4-Trimethylbenzene	6.799	105	575876	99.71	ug/L		97
99)	Pentachloroethane	6.745	167	103787	108.90	ug/L	#	78
100)	sec-Butylbenzene	6.883	105	749773	91.60	ug/L		92
101)	4-Isopropyltoluene	7.006	119	639016	91.98	ug/L		94
102)	1,3-Dichlorobenzene	7.030	146	329473	94.16	ug/L		90
103)	1,2,3-Trimethylbenzene	7.137	105	579531	97.43	ug/L		97
104)	1,4-Dichlorobenzene	7.099	146	326088	93.04	ug/L		90
105)	n-Butylbenzene	7.337	92	298154	99.75	ug/L		94
106)	Benzyl Chloride	7.291	126	83339	109.19	ug/L	#	75
107)	1,2-Dichlorobenzene	7.422	146	297299	94.80	ug/L		91
108)	1,2-Dibromo-3-Chloropr...	7.999	75	42177	98.80	ug/L	#	44
109)	Hexachlorobutadiene	8.507	225	78463	87.51	ug/L		92
110)	1,2,4-Trichlorobenzene	8.500	180	182723	95.89	ug/L		98
111)	Naphthalene	8.707	128	506407	97.48	ug/L		100
112)	1,2,3-Trichlorobenzene	8.838	180	164504	96.67	ug/L		98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56280.D
Acq On : 25 Jun 2024 11:51 am
Operator : jeniferw
Sample : IC1910-7
Misc : MS56892,V2A1910,,,,,
ALS Vial : 59 Sample Multiplier: 1

Quant Time: Jun 25 12:03:58 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 12:00:37 2024
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: V2A1910-IC1910
Lab FileID: 2A56280.D
Injection Time: 06/25/24 11:51

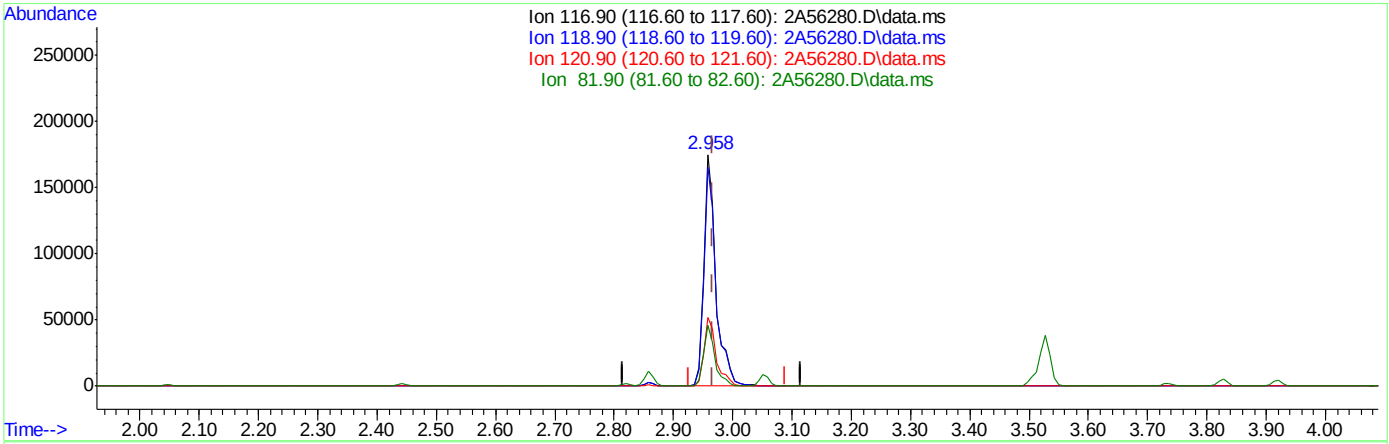
Method: SW846 8260D
Analyst approved: 06/25/24 13:54 Jenifer Willis
Supervisor approved: 06/26/24 07:53 Karen Watson

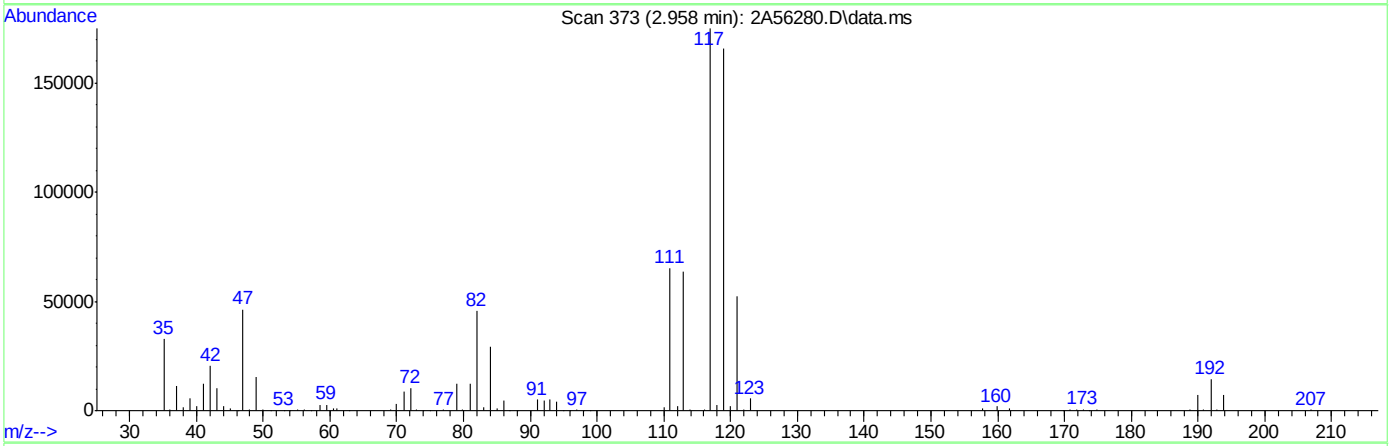
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		1.72	Poorly defined baseline
Carbon Tetrachloride	56-23-5		2.96	Overlapping peak
1-Chlorohexane	544-10-5		5.36	Poorly defined baseline
Ethylbenzene	100-41-4		5.39	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56280.D
Acq On : 25 Jun 2024 11:51 am
Operator : jeniferw
Sample : IC1910-7
Misc : MS56892,V2A1910,,,,,
ALS Vial : 59 Sample Multiplier: 1

Quant Time: Jun 25 12:03:24 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 12:00:37 2024
Response via : Initial Calibration





TIC: 2A56280.D\data.ms

(40) Carbon Tetrachloride ( )

2.958min (-0.008) 104.49ug/L

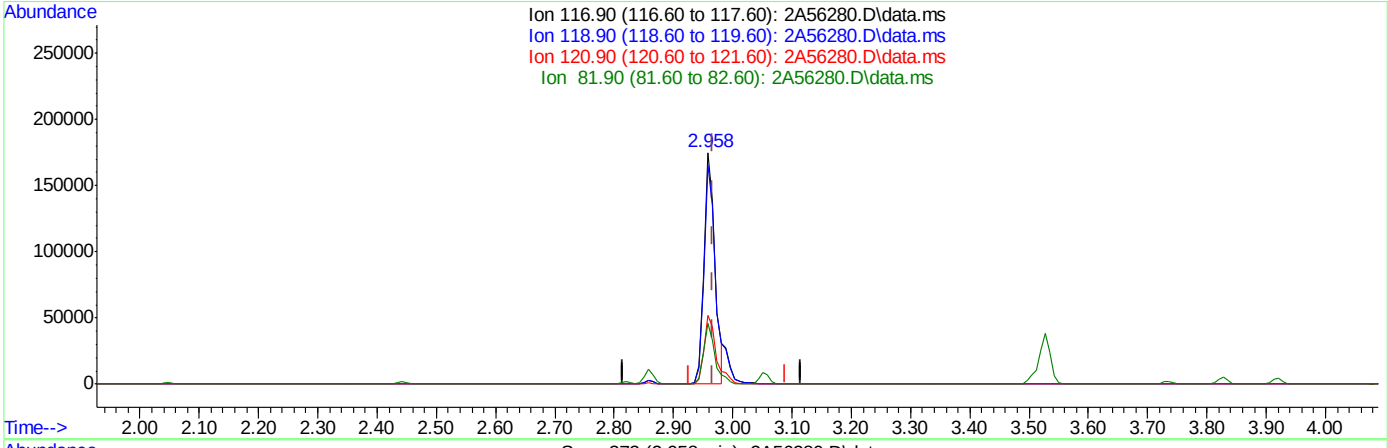
response 249403

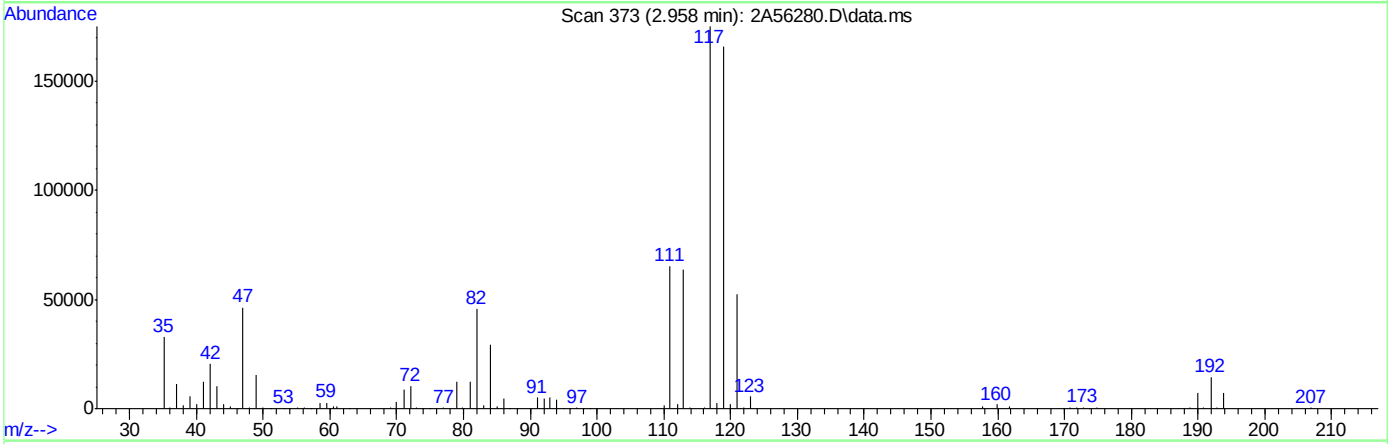
Ion	Exp%	Act%
116.90	100	100
118.90	96.30	94.66
120.90	31.00	29.89
81.90	19.00	26.02

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56280.D
Acq On : 25 Jun 2024 11:51 am
Operator : jeniferw
Sample : IC1910-7
Misc : MS56892,V2A1910,,,,,
ALS Vial : 59 Sample Multiplier: 1

Quant Time: Jun 25 12:03:24 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 12:00:37 2024
Response via : Initial Calibration





TIC: 2A56280.D\data.ms

(40) Carbon Tetrachloride ( )

2.958min (-0.008) 95.08ug/L m

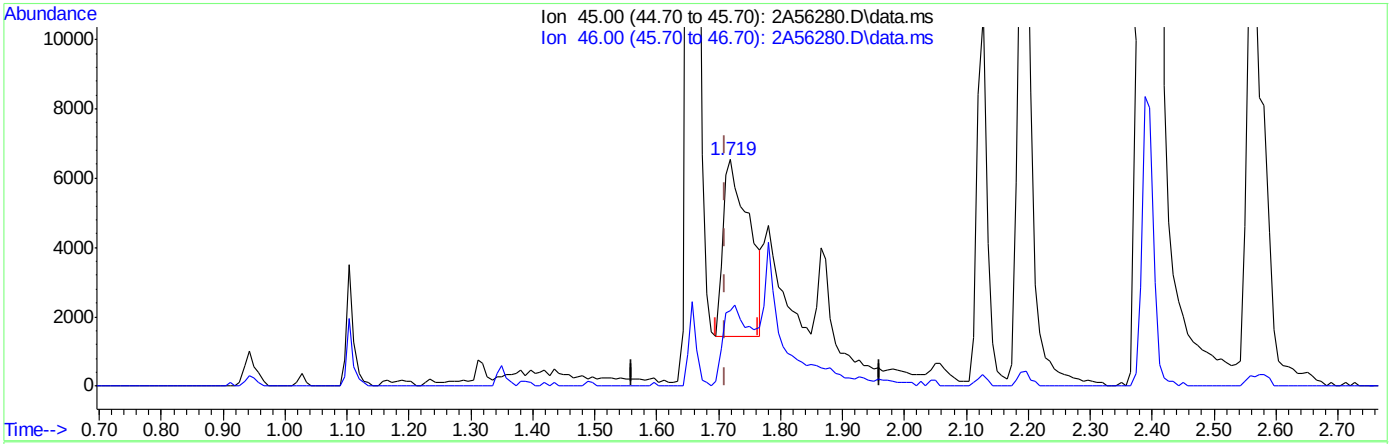
response 226959

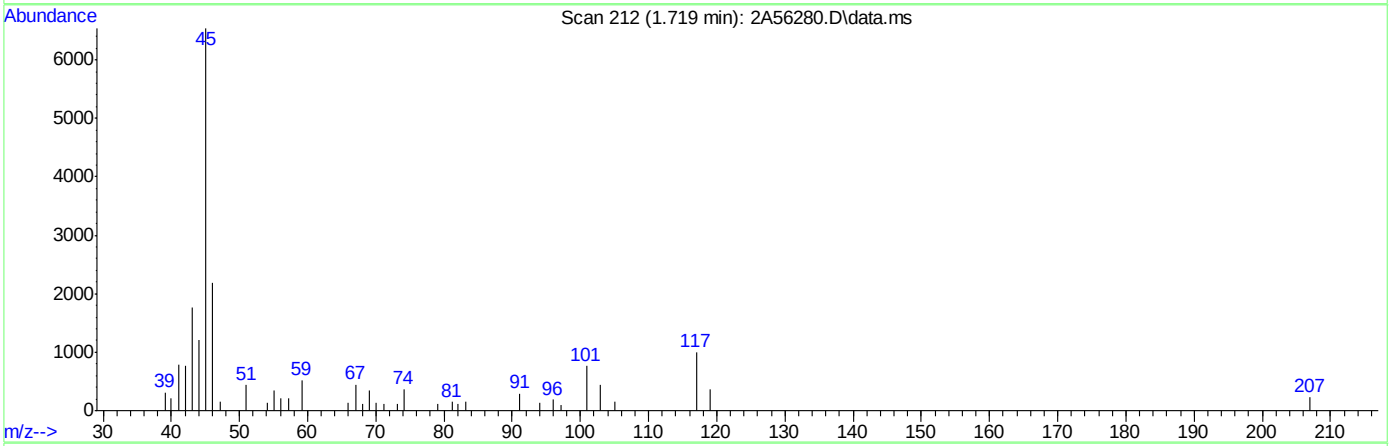
Ion	Exp%	Act%
116.90	100	100
118.90	96.30	94.66
120.90	31.00	29.89
81.90	19.00	26.09

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56280.D
Acq On : 25 Jun 2024 11:51 am
Operator : jeniferw
Sample : IC1910-7
Misc : MS56892,V2A1910,,,,,
ALS Vial : 59 Sample Multiplier: 1

Quant Time: Jun 25 12:03:24 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 12:00:37 2024
Response via : Initial Calibration





TIC: 2A56280.D\data.ms

(10) Ethanol

1.719min (+0.008) 798.30ug/L

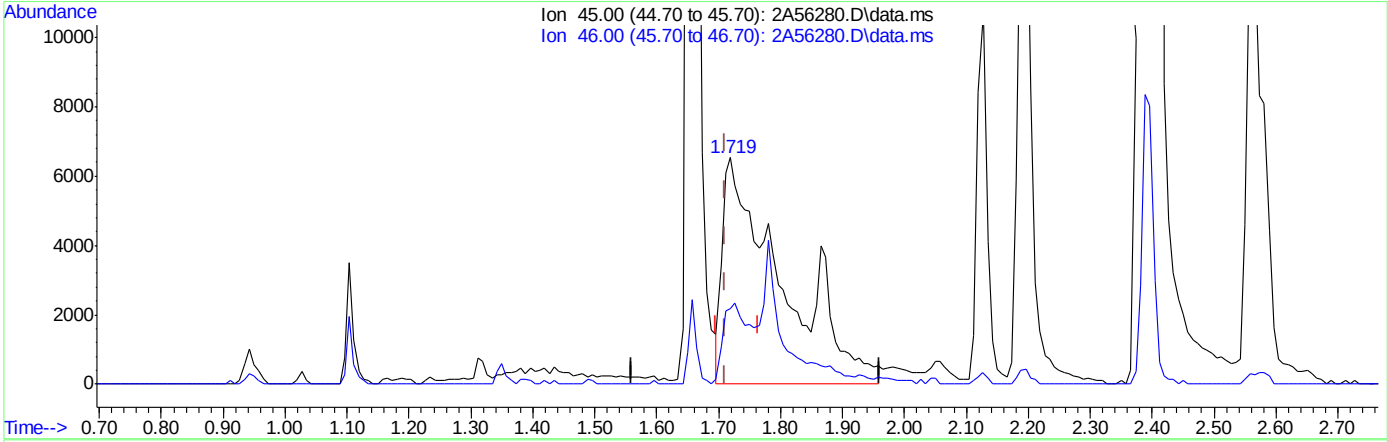
response 14779

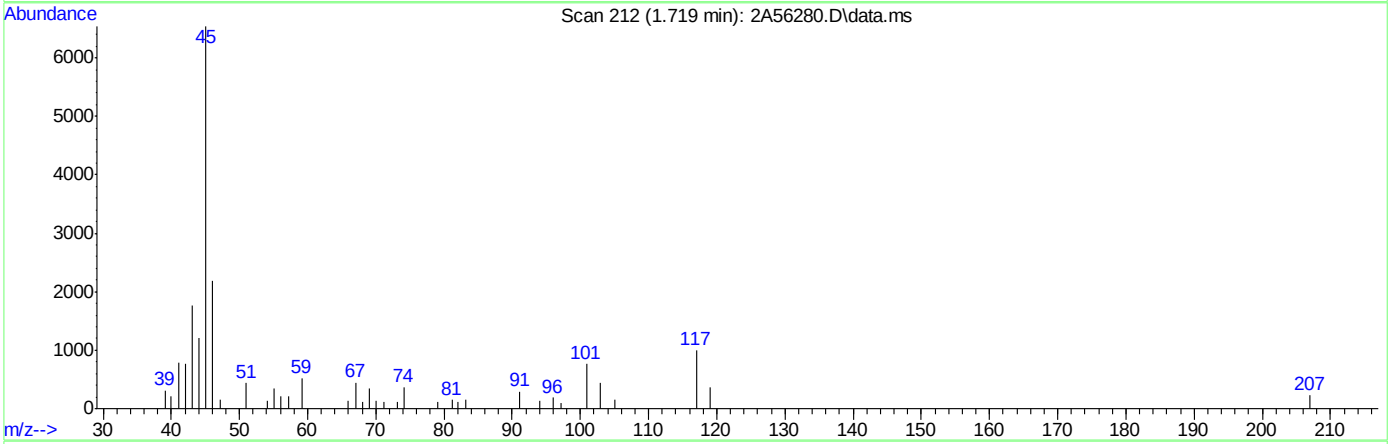
Ion	Exp%	Act%
45.00	100	100
46.00	46.00	40.32
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56280.D
Acq On : 25 Jun 2024 11:51 am
Operator : jeniferw
Sample : IC1910-7
Misc : MS56892,V2A1910,,,,,
ALS Vial : 59 Sample Multiplier: 1

Quant Time: Jun 25 12:03:24 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 12:00:37 2024
Response via : Initial Calibration





TIC: 2A56280.D\data.ms

(10) Ethanol

1.719min (+0.008) 2349.36ug/L m

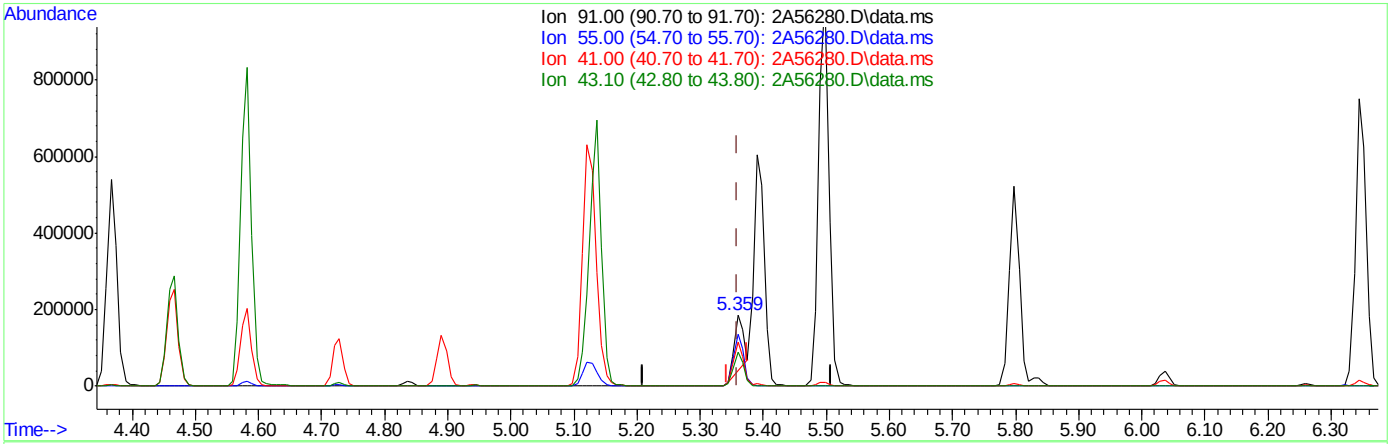
response 43494

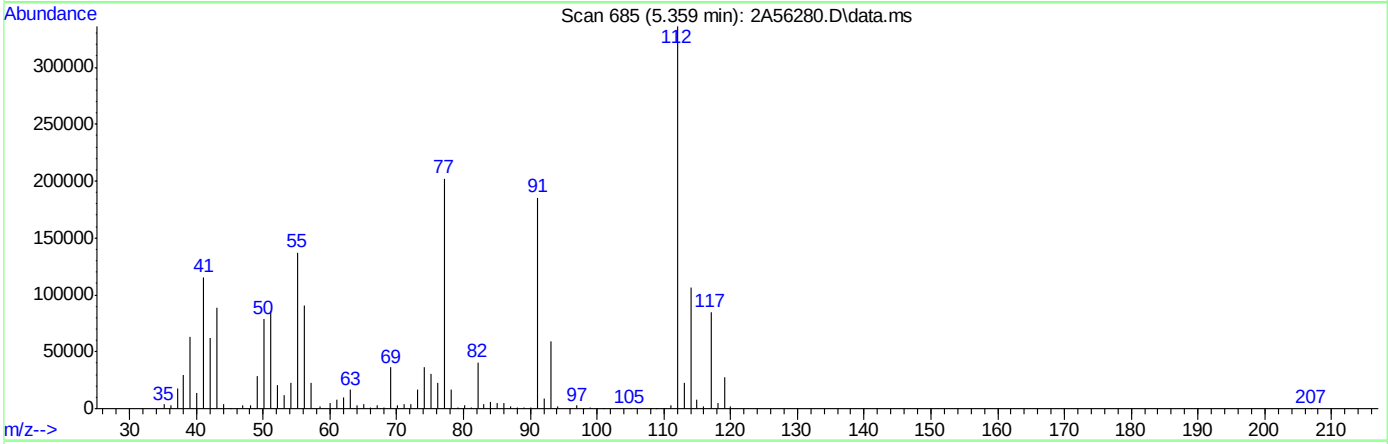
Ion	Exp%	Act%
45.00	100	100
46.00	46.00	33.56
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56280.D
Acq On : 25 Jun 2024 11:51 am
Operator : jeniferw
Sample : IC1910-7
Misc : MS56892,V2A1910,,,,,
ALS Vial : 59 Sample Multiplier: 1

Quant Time: Jun 25 12:03:24 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 12:00:37 2024
Response via : Initial Calibration





TIC: 2A56280.D\data.ms

(76) 1-Chlorohexane

5.359min (+0.000) 60.44ug/L

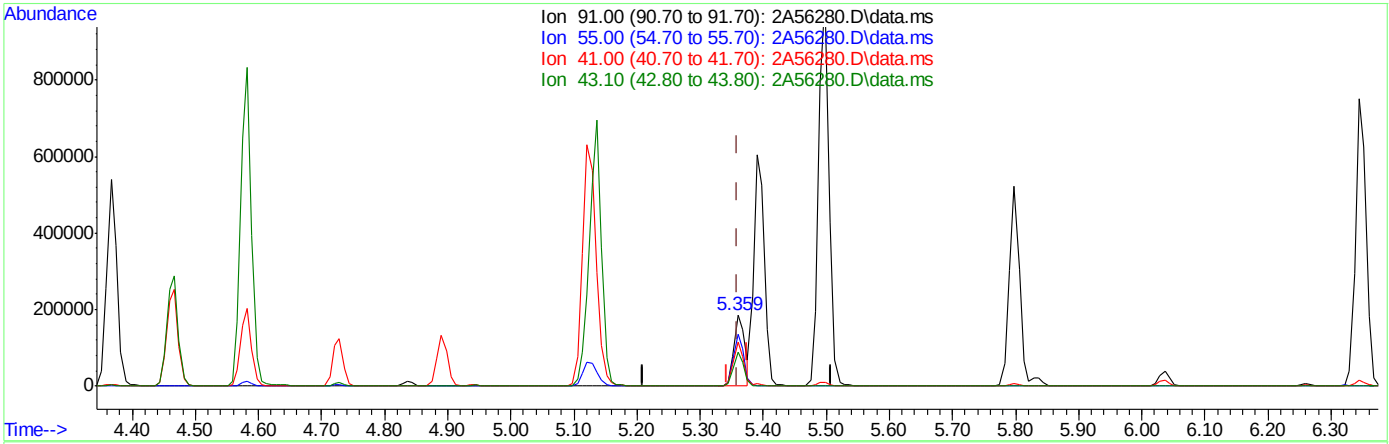
response 154309

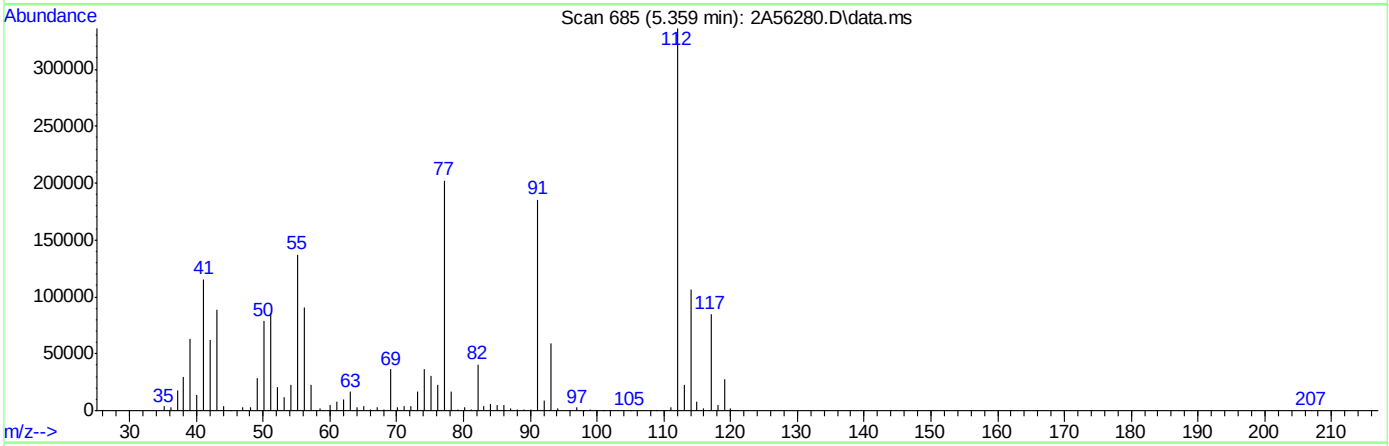
Ion	Exp%	Act%
91.00	100	100
55.00	58.90	71.52
41.00	39.20	60.52#
43.10	33.20	46.33

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56280.D
Acq On : 25 Jun 2024 11:51 am
Operator : jeniferw
Sample : IC1910-7
Misc : MS56892,V2A1910,,,,,
ALS Vial : 59 Sample Multiplier: 1

Quant Time: Jun 25 12:03:24 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 12:00:37 2024
Response via : Initial Calibration





TIC: 2A56280.D\data.ms

(76) 1-Chlorohexane

5.359min (+0.000) 88.21ug/L m

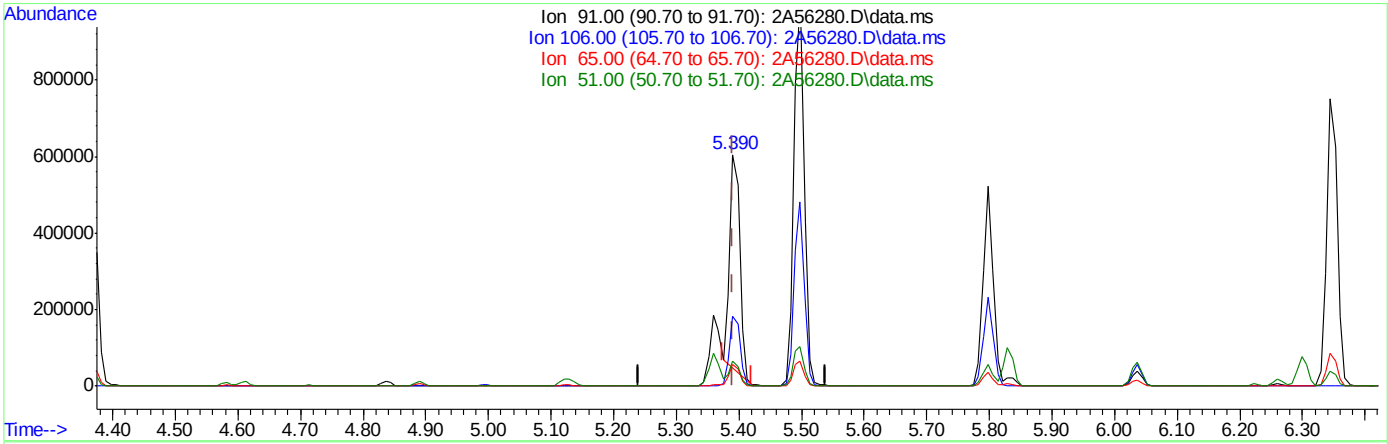
response 225210

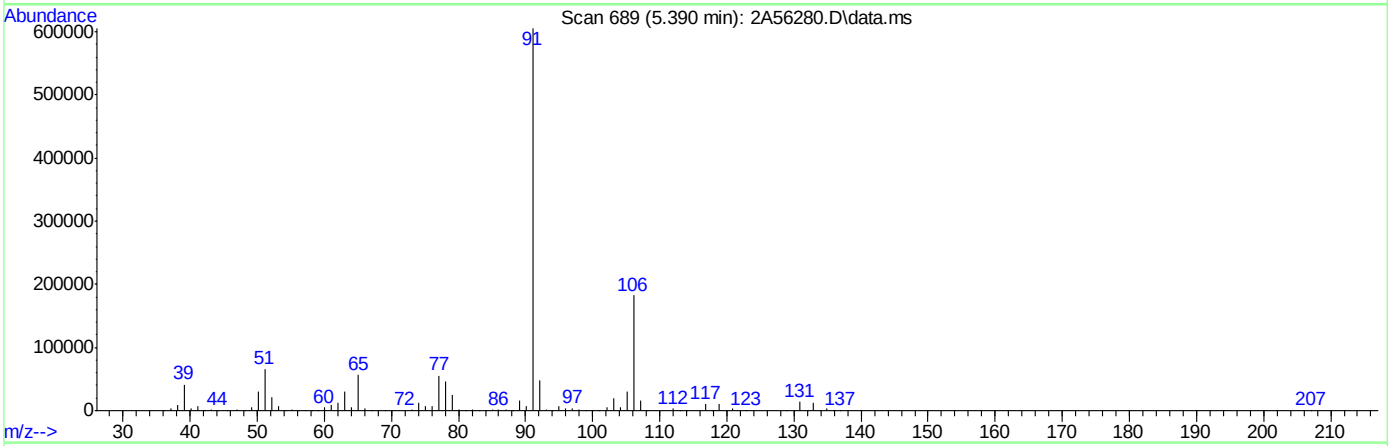
Ion	Exp%	Act%
91.00	100	100
55.00	58.90	73.74
41.00	39.20	62.26#
43.10	33.20	47.69

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56280.D
Acq On : 25 Jun 2024 11:51 am
Operator : jeniferw
Sample : IC1910-7
Misc : MS56892,V2A1910,,,,,
ALS Vial : 59 Sample Multiplier: 1

Quant Time: Jun 25 12:03:24 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 12:00:37 2024
Response via : Initial Calibration





TIC: 2A56280.D\data.ms

(77) Ethylbenzene

5.390min (+0.000) 78.53ug/L

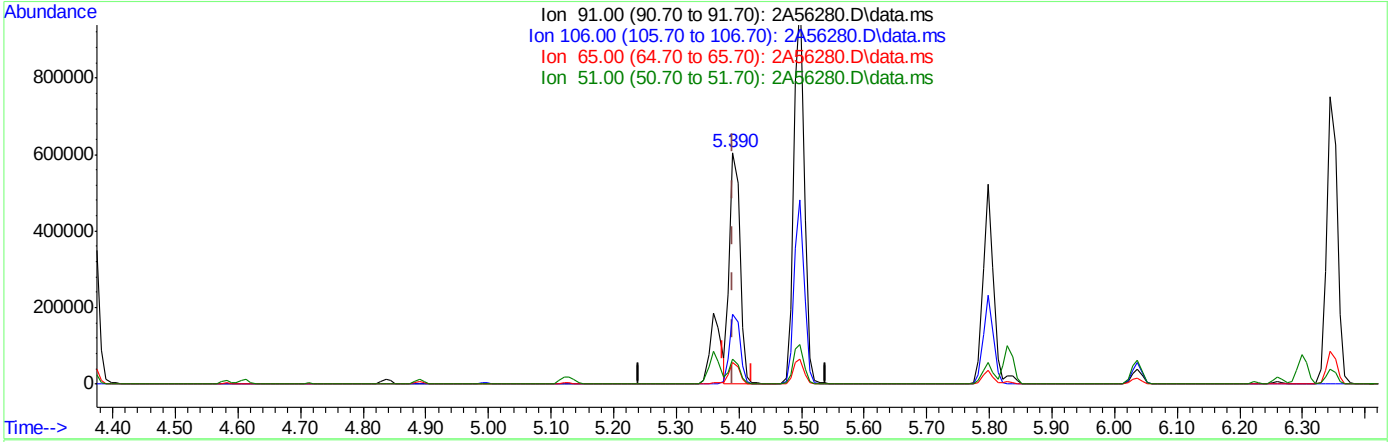
response 610503

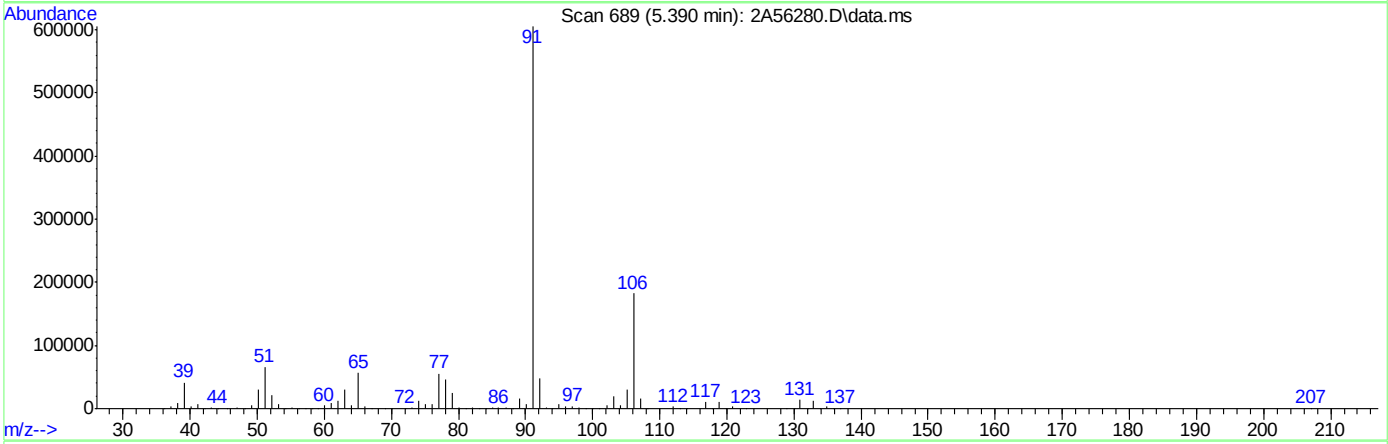
Ion	Exp%	Act%
91.00	100	100
106.00	34.30	30.14
65.00	7.10	9.29
51.00	7.10	10.85

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56280.D
Acq On : 25 Jun 2024 11:51 am
Operator : jeniferw
Sample : IC1910-7
Misc : MS56892,V2A1910,,,,,
ALS Vial : 59 Sample Multiplier: 1

Quant Time: Jun 25 12:03:24 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 12:00:37 2024
Response via : Initial Calibration





TIC: 2A56280.D\data.ms

(77) Ethylbenzene

5.390min (+0.000) 91.61ug/L m

response 712180

Ion	Exp%	Act%
91.00	100	100
106.00	34.30	30.18
65.00	7.10	9.30
51.00	7.10	10.89

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
06/26/24 07:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56284.D
Acq On : 25 Jun 2024 1:01 pm
Operator : jeniferw
Sample : ICV1910-5
Misc : MS56892,V2A1910,,,,,
ALS Vial : 61 Sample Multiplier: 1

Quant Time: Jun 25 13:23:23 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	3.404	96	304169	50.00	ug/L		0.00
62) Chlorobenzene-d5	5.352	117	222230	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	7.091	152	133491	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	2.958	113	87055	49.57	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.14%				
49) 1,2-Dichloroethane-d4	3.235	65	106647	50.66	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 101.32%				
63) Toluene-d8	4.336	98	301477	50.04	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.08%				
86) 4-Bromofluorobenzene	6.229	174	105201	49.80	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.60%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.026	85	65203	43.37	ug/L		97
3) Chloromethane	1.134	50	66489	38.42	ug/L		98
4) 1,3-butadiene	1.188	39	74593	37.11	ug/L	#	77
5) Vinyl Chloride	1.180	62	66443	37.98	ug/L		98
6) Bromomethane	1.350	94	27243	35.82	ug/L		98
7) Chloroethane	1.419	64	35253	39.27	ug/L		96
8) Trichlorofluoromethane	1.496	101	93025	40.01	ug/L		100
9) Ethyl Ether	1.657	59	45722	36.93	ug/L		88
10) Ethanol	1.711	45	13336m	702.30	ug/L		
11) 1,2-Dichlorotrifluoroe...	1.750	67	67238	56.25	ug/L		93
12) 1,1-Dichloroethene	1.765	61	88547	37.45	ug/L		89
13) Freon 113	1.788	101	55673	39.77	ug/L	#	88
14) Carbon Disulfide	1.788	76	141625	33.32	ug/L		85
15) Iodomethane	1.834	142	38219	33.89	ug/L		92
16) Acrolein	1.911	56	68533	235.77	ug/L		96
17) Allyl chloride	1.996	41	90374	39.10	ug/L		80
18) Methylene Chloride	2.042	49	83543	38.63	ug/L	#	69
19) Acetone	2.050	43	121486	198.75	ug/L		82
20) Methyl acetate	2.127	43	303633	200.71	ug/L		88
21) trans-1,2-Dichloroethene	2.135	61	85977	36.61	ug/L	#	76
22) Hexane	2.196	56	53777	38.43	ug/L	#	78
23) Methyl Tert Butyl Ether	2.196	73	171107	40.15	ug/L		80
24) Acetonitrile	2.273	41	75586	368.57	ug/L		97
25) Tert Butyl Alcohol	2.212	59	90153	369.93	ug/L		60
26) Di-isopropyl ether	2.396	45	177537	36.84	ug/L		87
27) Chloroprene	2.442	53	244198	38.67	ug/L		92
28) 1,1-Dichloroethane	2.442	63	108129	36.05	ug/L		96
29) Acrylonitrile	2.442	52	144518	189.71	ug/L		95
30) ETBE	2.581	59	176490	38.66	ug/L		91
31) Vinyl acetate	2.558	43	805304	220.91	ug/L		98
32) cis-1,2-Dichloroethene	2.719	96	62356	37.83	ug/L	#	77
33) 2,2-Dichloropropane	2.781	77	93442	38.52	ug/L		95
34) Bromochloromethane	2.820	128	31813	37.70	ug/L	#	58
35) Cyclohexane	2.858	56	106842	38.38	ug/L	#	80

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56284.D
Acq On : 25 Jun 2024 1:01 pm
Operator : jeniferw
Sample : ICV1910-5
Misc : MS56892,V2A1910,,,,,
ALS Vial : 61 Sample Multiplier: 1

Quant Time: Jun 25 13:23:23 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Chloroform	2.858	83	110702	39.89	ug/L		94
37) Ethyl acetate	2.912	43	409591	205.02	ug/L		90
38) Tetrahydrofuran	2.943	42	26840	37.70	ug/L	#	80
40) Carbon Tetrachloride	2.958	117	90786m	39.17	ug/L		
41) 1,1,1-Trichloroethane	2.989	97	96338	36.21	ug/L		95
42) 2-Butanone	3.004	43	190060	191.03	ug/L		83
43) 1,1-Dichloropropene	3.050	75	82578	39.40	ug/L	#	76
44) tert-Butyl formate	3.097	59	285364	228.95	ug/L		96
45) Propionitrile	3.143	54	109627	384.98	ug/L		98
46) Methacrylonitrile	3.166	41	467531	417.29	ug/L		94
47) Benzene	3.181	78	229366	37.29	ug/L		86
48) TAME	3.251	73	150312	37.67	ug/L		85
50) 1,2-Dichloroethane	3.274	62	87891	39.10	ug/L		96
51) Isobutyl Alcohol	3.251	43	120731	787.05	ug/L		82
52) Tert Amyl Alcohol	3.320	59	78359	402.68	ug/L		90
53) Trichloroethene	3.512	95	66486	37.91	ug/L		91
54) Methylcyclohexane	3.528	83	107609	39.63	ug/L		83
55) Dibromomethane	3.735	93	41520	39.05	ug/L		87
56) 1,2-Dichloropropane	3.789	63	63204	39.78	ug/L		88
57) Bromodichloromethane	3.828	83	81454	36.64	ug/L	#	96
58) Methyl methacrylate	3.920	41	62700	41.90	ug/L	#	70
59) 1,4-Dioxane	3.936	88	12897	840.93	ug/L		82
60) 2-Chloroethyl vinyl ether	4.166	63	221913	204.69	ug/L		84
61) cis-1,3-Dichloropropene	4.205	75	96216	39.90	ug/L		77
64) Toluene	4.367	91	249384	37.40	ug/L		99
65) 2-Nitropropane	4.467	41	126153	215.03	ug/L		92
66) 4-Methyl-2-pentanone	4.582	43	407752	204.94	ug/L		87
67) trans-1,3-Dichloropropene	4.613	75	85348	38.72	ug/L		82
68) Tetrachloroethene	4.628	166	66443	38.55	ug/L		95
69) Ethyl methacrylate	4.728	69	79955	40.49	ug/L	#	70
70) 1,1,2-Trichloroethane	4.713	83	46814	37.38	ug/L		88
71) Dibromochloromethane	4.836	129	64640	41.57	ug/L		99
72) 1,3-Dichloropropane	4.890	76	93971	43.14	ug/L		74
73) 1,2-Dibromoethane	4.990	107	61139	41.10	ug/L		92
74) 3,3-Dimethyl-1-Butanol	5.121	57	482452	1967.66	ug/L		94
75) 2-hexanone	5.136	43	399479	207.00	ug/L		74
76) 1-Chlorohexane	5.359	91	90767m	35.93	ug/L		
77) Ethylbenzene	5.390	91	288043m	37.29	ug/L		
78) Chlorobenzene	5.359	112	160292	37.16	ug/L		83
79) 1,1,1,2-Tetrachloroethane	5.406	131	57517	39.09	ug/L		99
80) m,p-Xylene	5.498	91	466621	73.87	ug/L		93
81) o-Xylene	5.798	91	241516	36.51	ug/L		91
82) Styrene	5.829	104	183306	38.43	ug/L		89
83) Bromoform	5.837	173	44238	40.12	ug/L		97
84) Isopropylbenzene	6.037	105	286765	36.81	ug/L		96
87) cis-1,4-Dichloro-2-butene	6.260	53	23287	41.60	ug/L	#	78
88) n-Propylbenzene	6.344	91	357241	36.29	ug/L		88
89) Bromobenzene	6.306	156	73036	39.12	ug/L		84
90) 1,1,2,2-Tetrachloroethane	6.368	83	81234	36.96	ug/L		97
91) 1,3,5-Trimethylbenzene	6.498	105	245825	36.77	ug/L		94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56284.D
Acq On : 25 Jun 2024 1:01 pm
Operator : jeniferw
Sample : ICV1910-5
Misc : MS56892,V2A1910,,,,,
ALS Vial : 61 Sample Multiplier: 1

Quant Time: Jun 25 13:23:23 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration

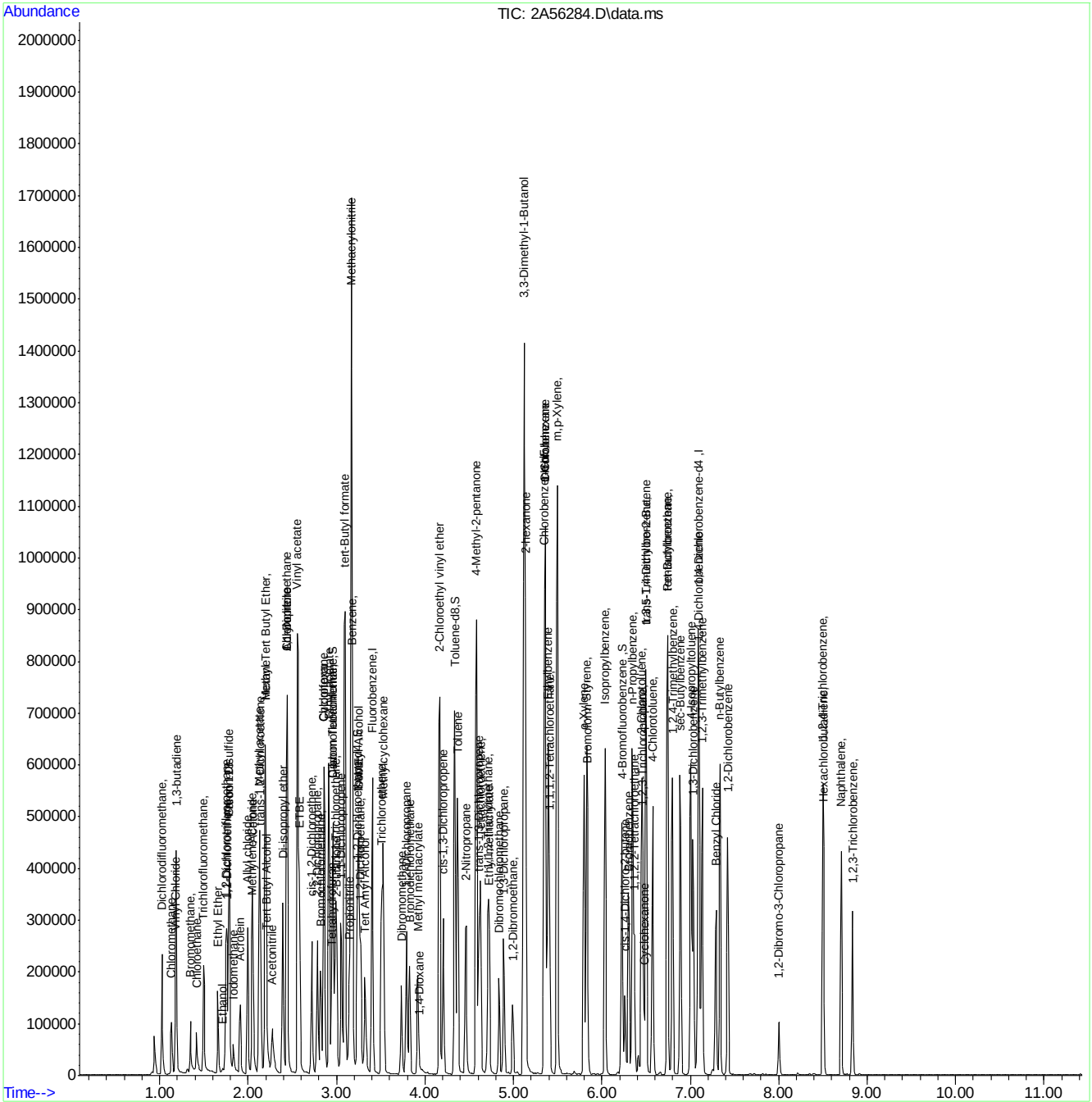
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92)	2-Chlorotoluene	6.452	91	199603	36.74	ug/L		94
93)	trans-1,4-Dichloro-2-B...	6.498	53	30477	43.05	ug/L	#	64
94)	1,2,3-Trichloropropane	6.460	110	24210	42.05	ug/L	#	66
95)	Cyclohexanone	6.475	55	18581	282.05	ug/L	#	76
96)	4-Chlorotoluene	6.575	91	211151	36.29	ug/L		89
97)	tert-Butylbenzene	6.745	91	145129	36.09	ug/L		87
98)	1,2,4-Trimethylbenzene	6.799	105	234635	37.52	ug/L		97
99)	Pentachloroethane	6.745	167	41656	41.35	ug/L	#	76
100)	sec-Butylbenzene	6.883	105	296237	34.98	ug/L		92
101)	4-Isopropyltoluene	7.006	119	259019	36.02	ug/L		95
102)	1,3-Dichlorobenzene	7.029	146	133733	36.83	ug/L		90
103)	1,2,3-Trimethylbenzene	7.137	105	232462	37.50	ug/L		97
104)	1,4-Dichlorobenzene	7.099	146	136003	37.44	ug/L		89
105)	n-Butylbenzene	7.337	92	126717	38.53	ug/L		94
106)	Benzyl Chloride	7.291	126	34748	43.06	ug/L	#	78
107)	1,2-Dichlorobenzene	7.422	146	124559	38.24	ug/L		92
108)	1,2-Dibromo-3-Chloropr...	7.999	75	17656	39.62	ug/L	#	42
109)	Hexachlorobutadiene	8.507	225	34262	37.13	ug/L		91
110)	1,2,4-Trichlorobenzene	8.499	180	73523	37.10	ug/L		97
111)	Naphthalene	8.707	128	200756	37.08	ug/L		99
112)	1,2,3-Trichlorobenzene	8.838	180	65952	37.23	ug/L		96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56284.D
Acq On : 25 Jun 2024 1:01 pm
Operator : jeniferw
Sample : ICV1910-5
Misc : MS56892,V2A1910,,,,,
ALS Vial : 61 Sample Multiplier: 1

Quant Time: Jun 25 13:23:23 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration



Manual Integration Approval Summary

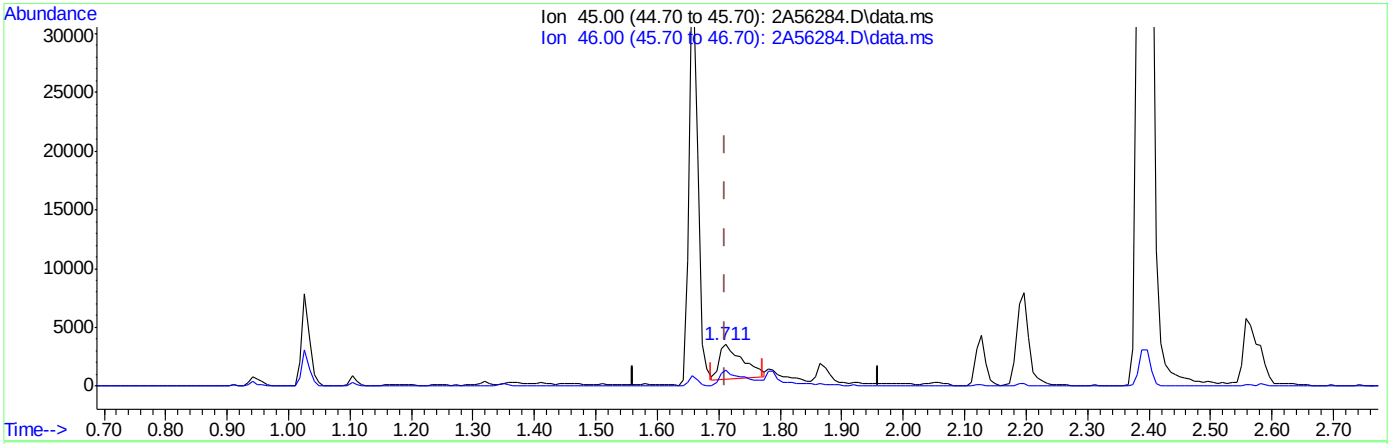
Sample Number: V2A1910-ICV1910 **Method:** SW846 8260D
Lab FileID: 2A56284.D **Analyst approved:** 06/25/24 13:54 Jenifer Willis
Injection Time: 06/25/24 13:01 **Supervisor approved:** 06/26/24 07:53 Karen Watson

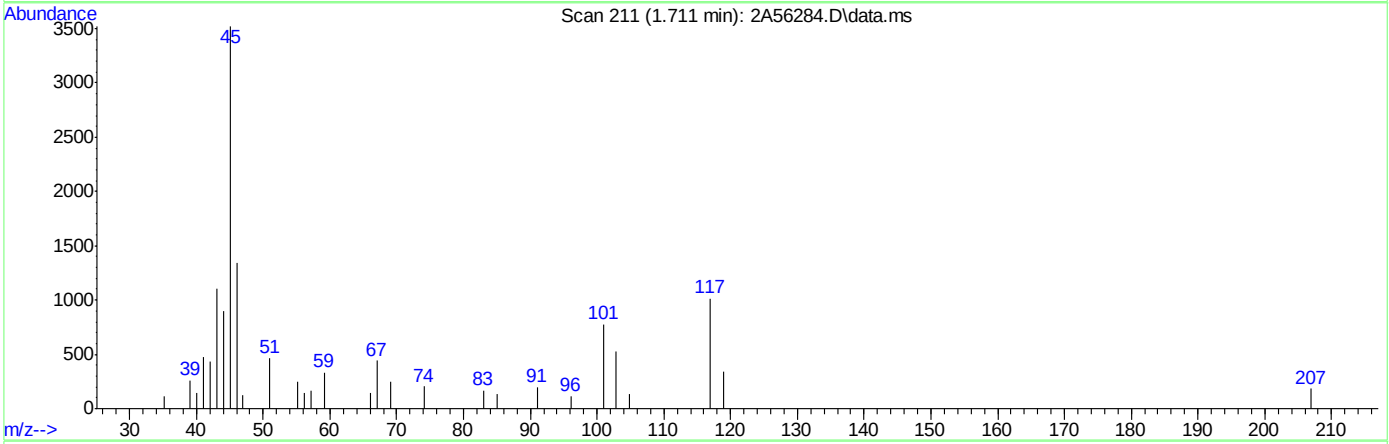
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		1.71	Poorly defined baseline
Carbon Tetrachloride	56-23-5		2.96	Overlapping peak
1-Chlorohexane	544-10-5		5.36	Poorly defined baseline
Ethylbenzene	100-41-4		5.39	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56284.D
Acq On : 25 Jun 2024 1:01 pm
Operator : jeniferw
Sample : ICV1910-5
Misc : MS56892,V2A1910,,,,,
ALS Vial : 61 Sample Multiplier: 1

Quant Time: Jun 25 13:20:49 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 12:50:45 2024
Response via : Initial Calibration





TIC: 2A56284.D\data.ms

(10) Ethanol

1.711min (+0.000) 423.09ug/L

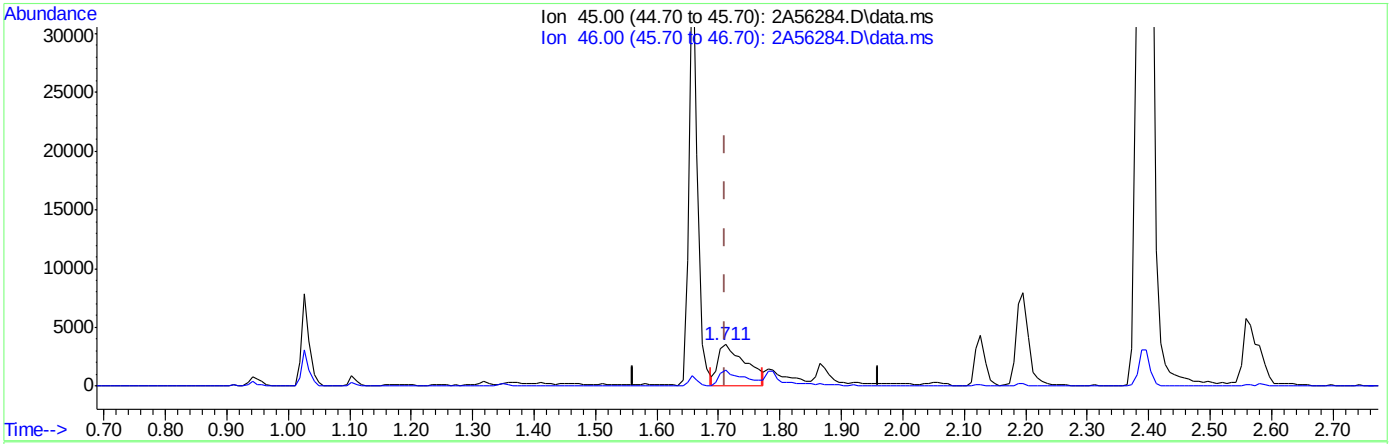
response 8034

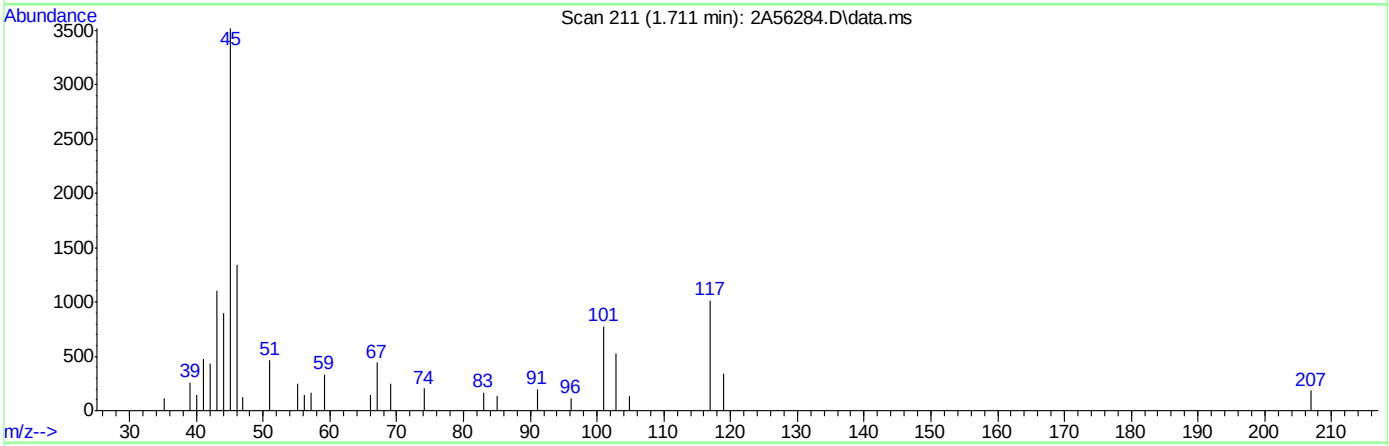
Ion	Exp%	Act%
45.00	100	100
46.00	46.00	48.92
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56284.D
Acq On : 25 Jun 2024 1:01 pm
Operator : jeniferw
Sample : ICV1910-5
Misc : MS56892,V2A1910,,,,,
ALS Vial : 61 Sample Multiplier: 1

Quant Time: Jun 25 13:20:49 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 12:50:45 2024
Response via : Initial Calibration





TIC: 2A56284.D\data.ms

(10) Ethanol

1.711min (+0.000) 590.81ug/L m

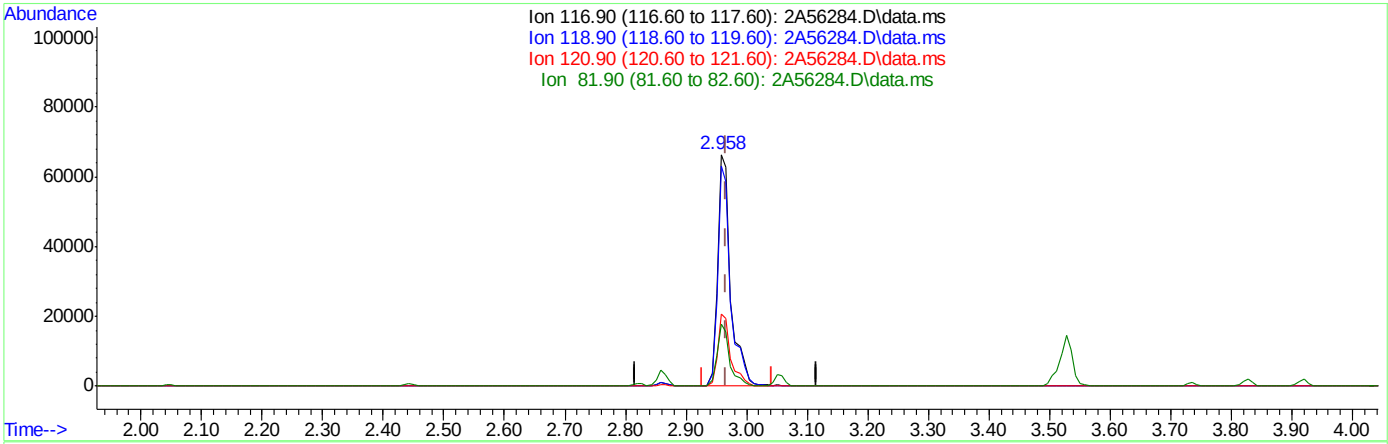
response 11219

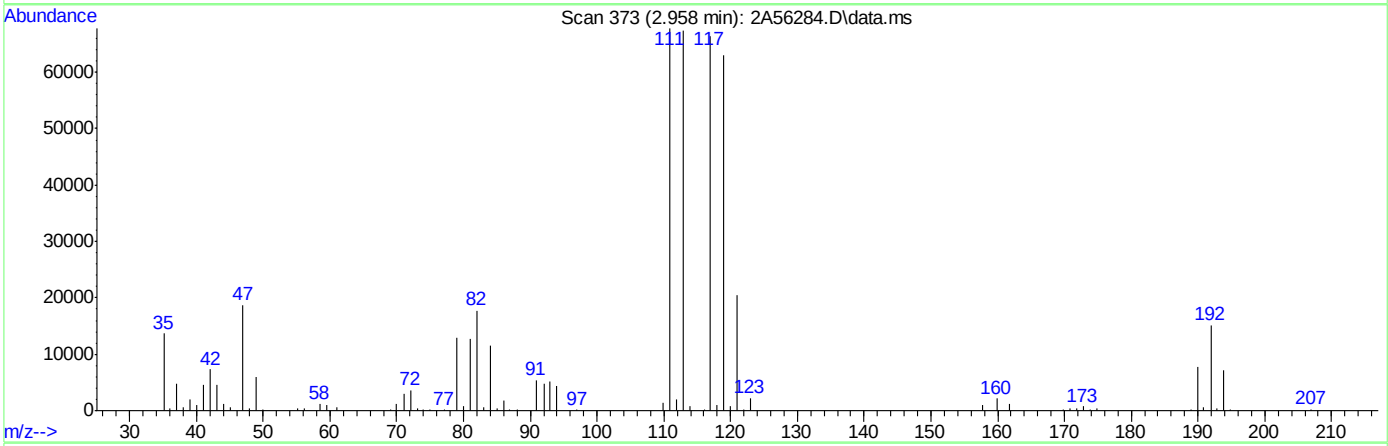
Ion	Exp%	Act%
45.00	100	100
46.00	46.00	38.06
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56284.D
Acq On : 25 Jun 2024 1:01 pm
Operator : jeniferw
Sample : ICV1910-5
Misc : MS56892,V2A1910,,,,,
ALS Vial : 61 Sample Multiplier: 1

Quant Time: Jun 25 13:20:49 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 12:50:45 2024
Response via : Initial Calibration





TIC: 2A56284.D\data.ms

(40) Carbon Tetrachloride ( )

2.958min (-0.008) 43.20ug/L

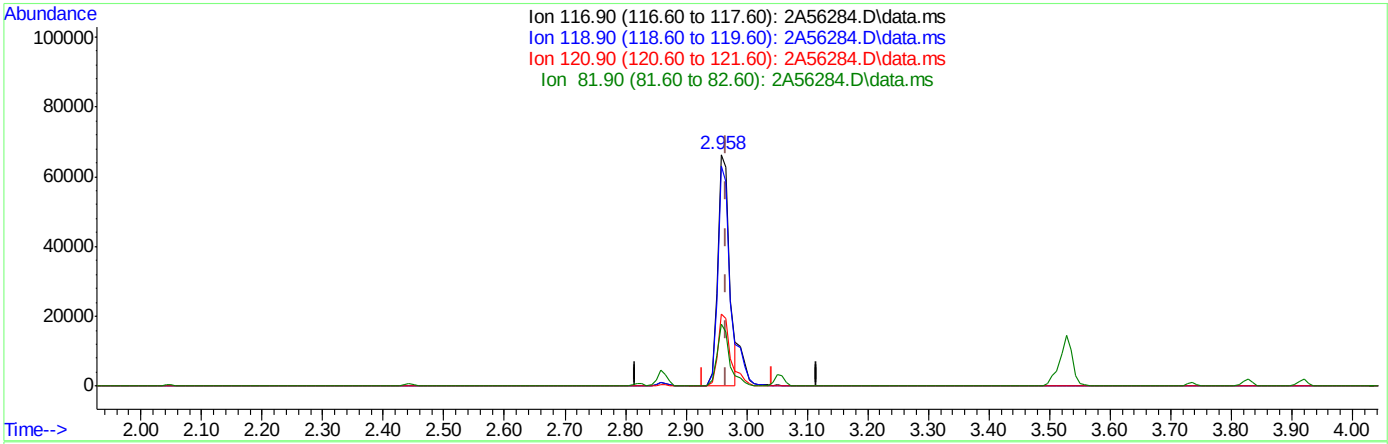
response 100146

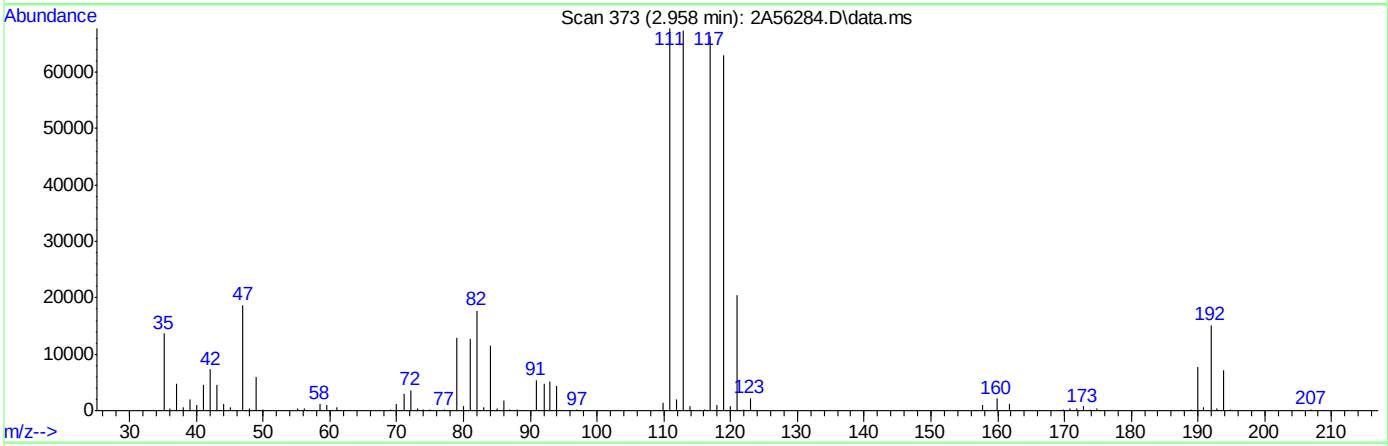
Ion	Exp%	Act%
116.90	100	100
118.90	96.30	94.92
120.90	31.00	30.99
81.90	19.00	26.74

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56284.D
Acq On : 25 Jun 2024 1:01 pm
Operator : jeniferw
Sample : ICV1910-5
Misc : MS56892,V2A1910,,,,,
ALS Vial : 61 Sample Multiplier: 1

Quant Time: Jun 25 13:20:49 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 12:50:45 2024
Response via : Initial Calibration





TIC: 2A56284.D\data.ms

(40) Carbon Tetrachloride ( )

2.958min (-0.008) 39.17ug/L m

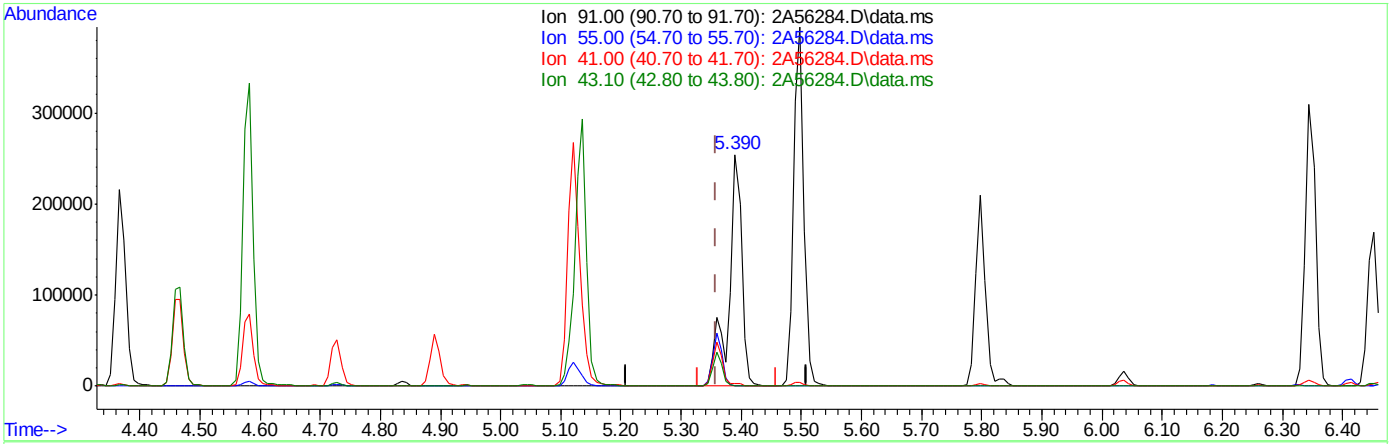
response 90786

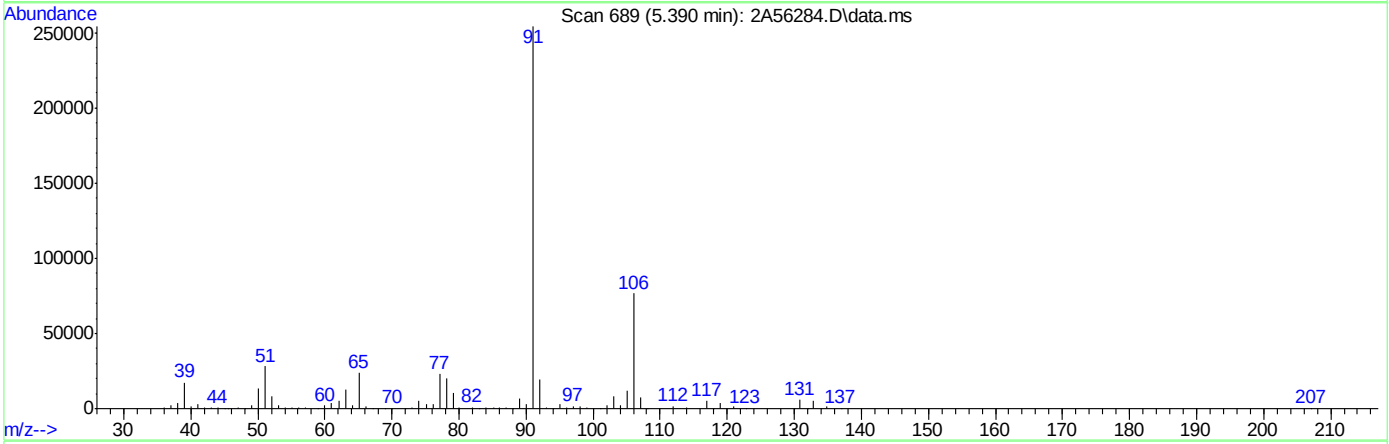
Ion	Exp%	Act%
116.90	100	100
118.90	96.30	94.92
120.90	31.00	30.99
81.90	19.00	26.74

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56284.D
Acq On : 25 Jun 2024 1:01 pm
Operator : jeniferw
Sample : ICV1910-5
Misc : MS56892,V2A1910,,,,,
ALS Vial : 61 Sample Multiplier: 1

Quant Time: Jun 25 13:20:49 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 12:50:45 2024
Response via : Initial Calibration





TIC: 2A56284.D\data.ms

(76) 1-Chlorohexane

5.390min (+0.031) 149.43ug/L

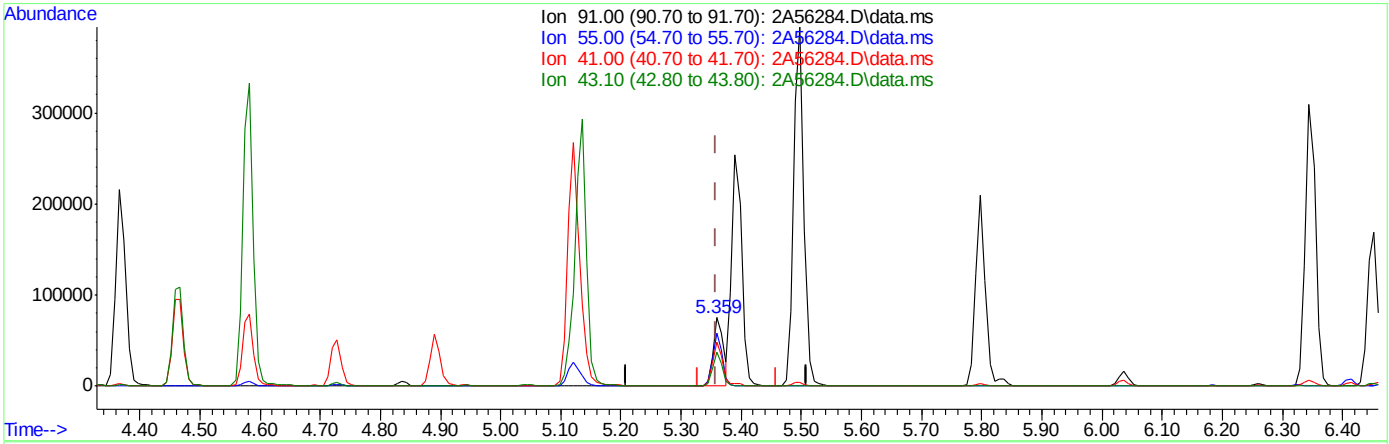
response 377447

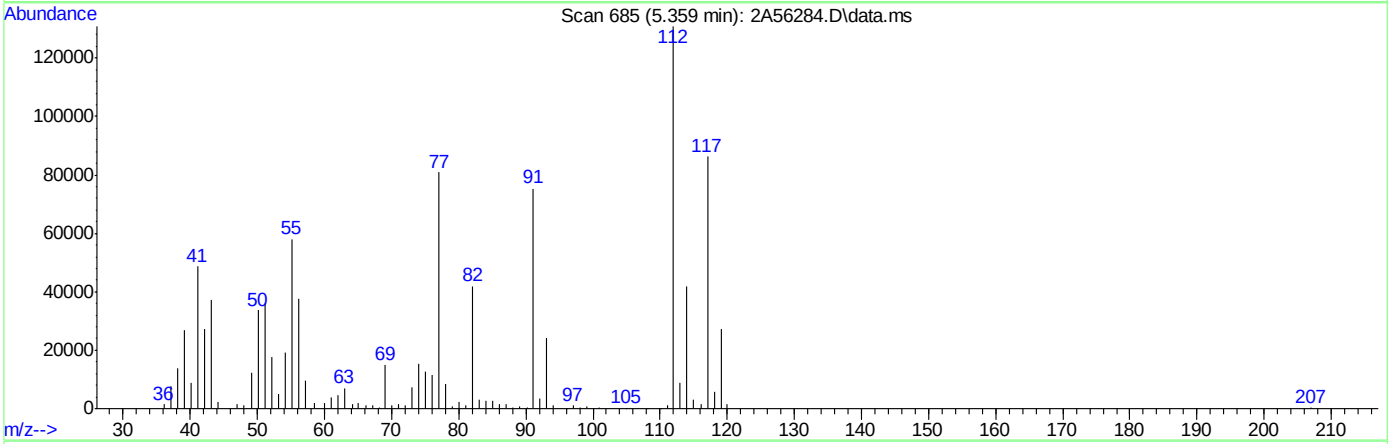
Ion	Exp%	Act%
91.00	100	100
55.00	58.90	0.24#
41.00	39.20	1.04#
43.10	33.20	0.22#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56284.D
Acq On : 25 Jun 2024 1:01 pm
Operator : jeniferw
Sample : ICV1910-5
Misc : MS56892,V2A1910,,,,,
ALS Vial : 61 Sample Multiplier: 1

Quant Time: Jun 25 13:20:49 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 12:50:45 2024
Response via : Initial Calibration





TIC: 2A56284.D\data.ms

(76) 1-Chlorohexane

5.359min (+0.000) 35.90ug/L m

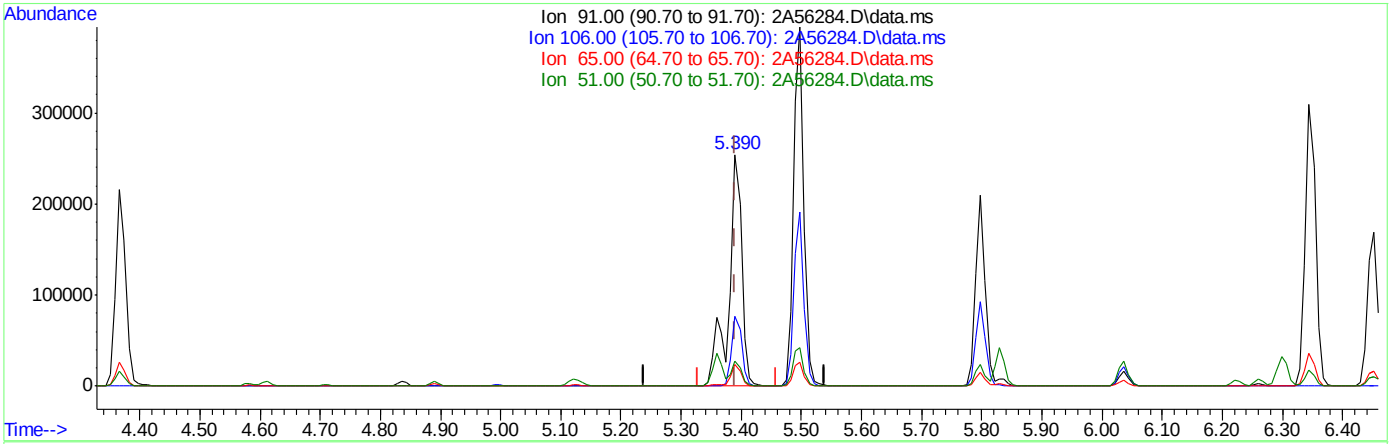
response 90686

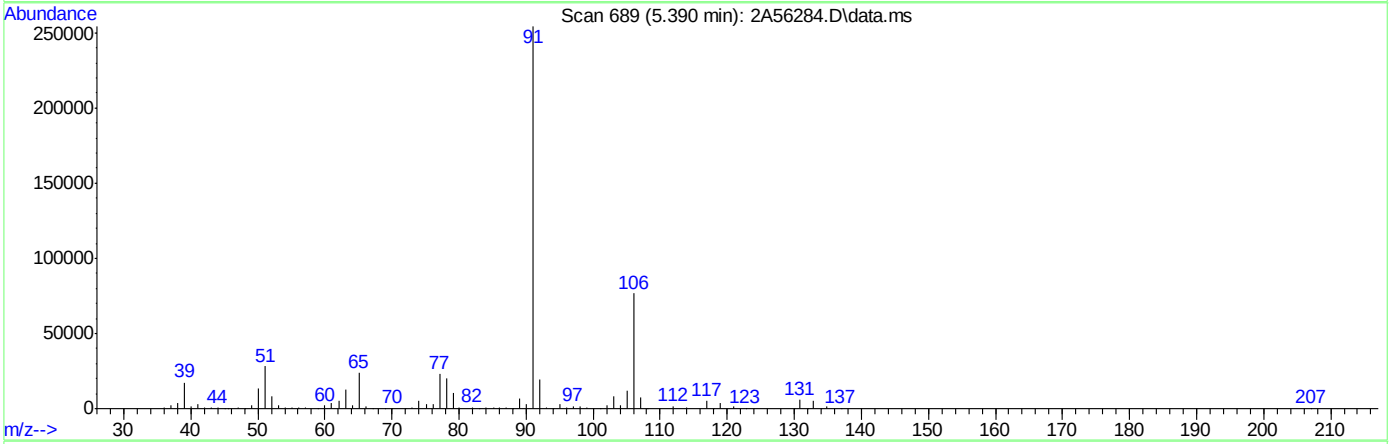
Ion	Exp%	Act%
91.00	100	100
55.00	58.90	77.03
41.00	39.20	64.60#
43.10	33.20	49.59

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56284.D
Acq On : 25 Jun 2024 1:01 pm
Operator : jeniferw
Sample : ICV1910-5
Misc : MS56892,V2A1910,,,,,
ALS Vial : 61 Sample Multiplier: 1

Quant Time: Jun 25 13:20:49 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 12:50:45 2024
Response via : Initial Calibration





TIC: 2A56284.D\data.ms

(77) Ethylbenzene

5.390min (+0.000) 48.86ug/L

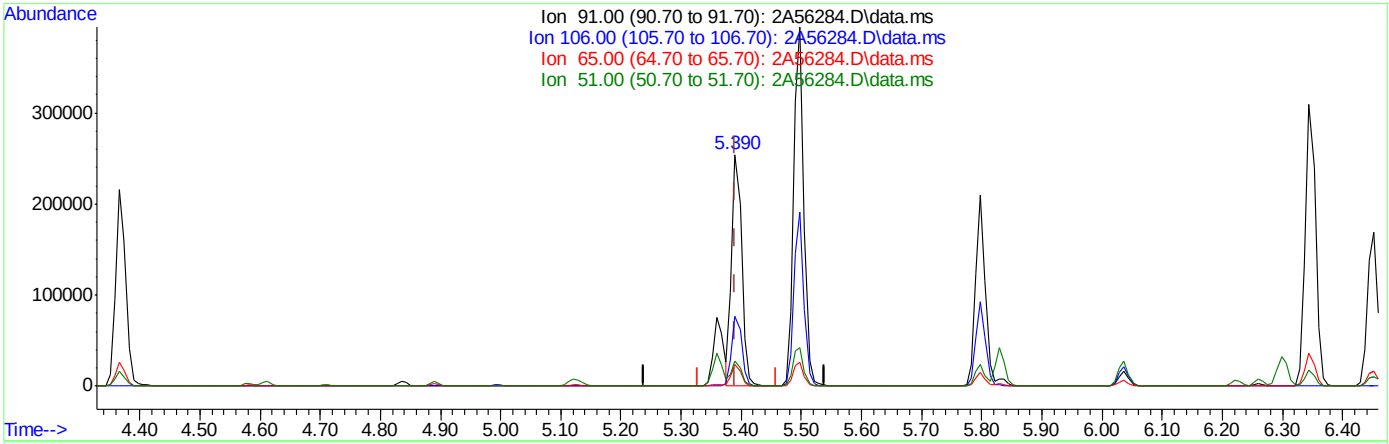
response 377447

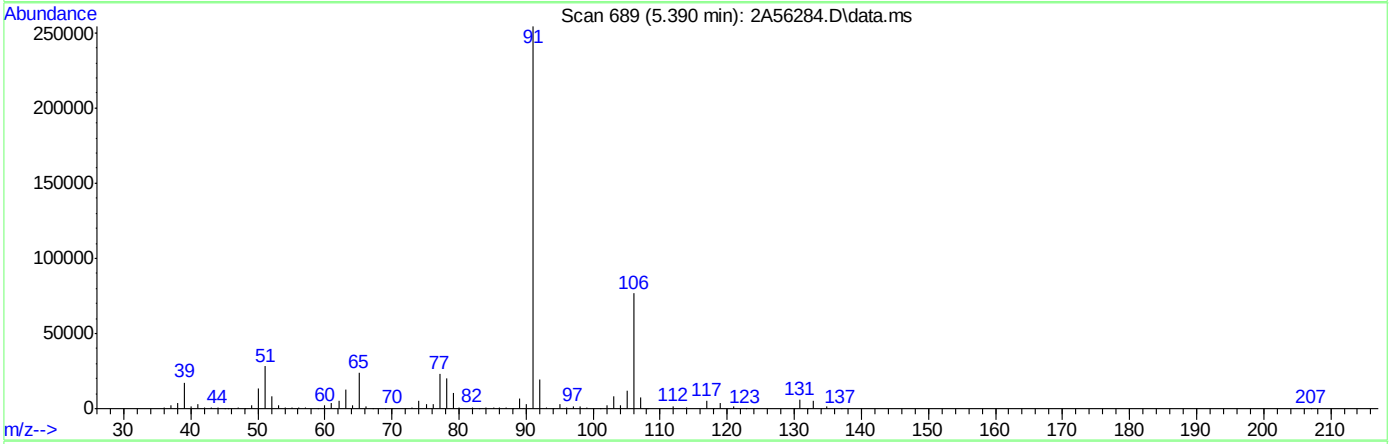
Ion	Exp%	Act%
91.00	100	100
106.00	34.30	30.21
65.00	7.10	9.26
51.00	7.10	11.06

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56284.D
Acq On : 25 Jun 2024 1:01 pm
Operator : jeniferw
Sample : ICV1910-5
Misc : MS56892,V2A1910,,,,,
ALS Vial : 61 Sample Multiplier: 1

Quant Time: Jun 25 13:20:49 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 12:50:45 2024
Response via : Initial Calibration





TIC: 2A56284.D\data.ms

(77) Ethylbenzene

5.390min (+0.000) 37.27ug/L m

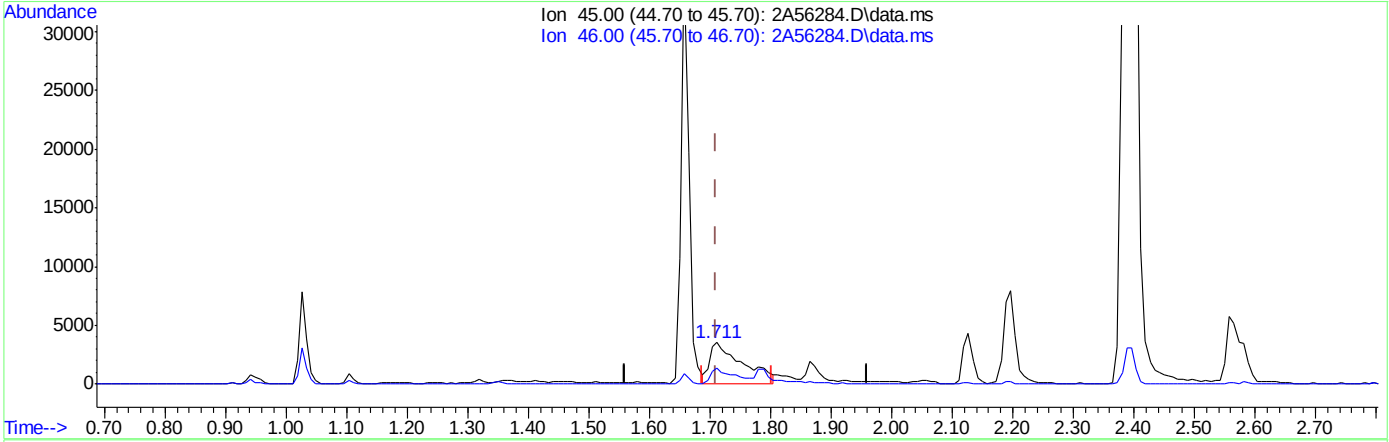
response 287896

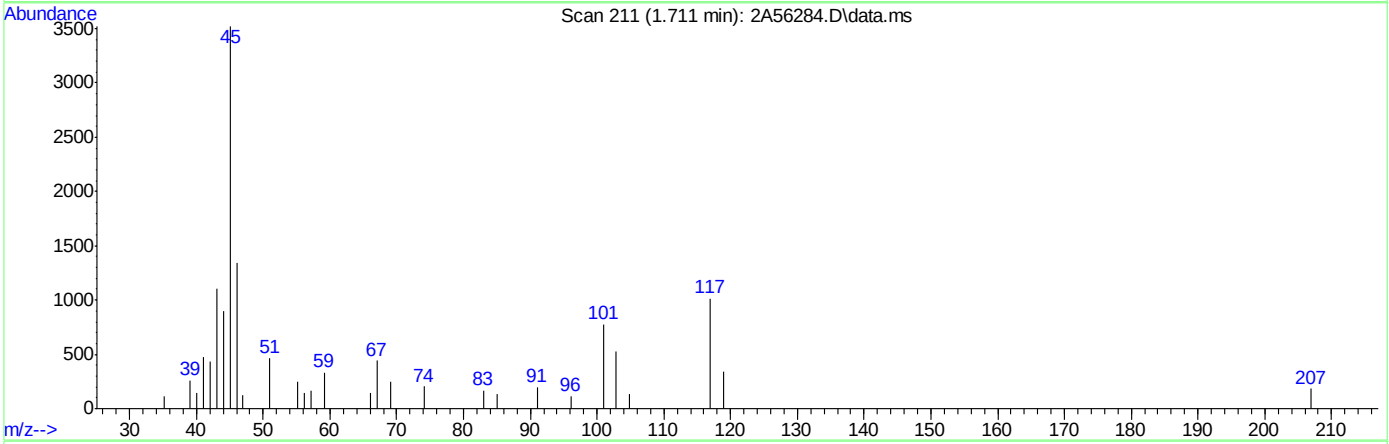
Ion	Exp%	Act%
91.00	100	100
106.00	34.30	30.20
65.00	7.10	9.26
51.00	7.10	11.06

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-25-2024\
Data File : 2A56284.D
Acq On : 25 Jun 2024 1:01 pm
Operator : jeniferw
Sample : ICV1910-5
Misc : MS56892,V2A1910,,,,,
ALS Vial : 61 Sample Multiplier: 1

Quant Time: Jun 25 13:23:23 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration





TIC: 2A56284.D\data.ms

(10) Ethanol

1.711min (+0.000) 702.30ug/L m

response 13336

Ion	Exp%	Act%
45.00	100	100
46.00	46.00	38.06
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
07/01/24 08:02

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\06-28-2024\
Data File : 2A56382.D
Acq On : 28 Jun 2024 7:21 am
Operator : lianatr
Sample : CC1910-4
Misc : MS56922,V2A1914,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 28 07:34:09 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	3.405	96	265090	50.00	ug/L		0.00
62) Chlorobenzene-d5	5.352	117	190271	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	7.091	152	114593	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	2.958	113	74713	48.82	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.64%				
49) 1,2-Dichloroethane-d4	3.235	65	91973	50.13	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 100.26%				
63) Toluene-d8	4.336	98	261796	50.76	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 101.52%				
86) 4-Bromofluorobenzene	6.229	174	89974	49.61	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.22%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.026	85	30992	23.66	ug/L		100
3) Chloromethane	1.134	50	33368	22.12	ug/L		97
4) 1,3-butadiene	1.188	39	42457	23.46	ug/L	#	75
5) Vinyl Chloride	1.180	62	33775	22.15	ug/L		97
6) Bromomethane	1.350	94	17462	26.35	ug/L		96
7) Chloroethane	1.419	64	19920	24.20	ug/L		93
8) Trichlorofluoromethane	1.496	101	52501	25.91	ug/L		99
9) Ethyl Ether	1.658	59	24351	22.57	ug/L		87
10) Ethanol	1.711	45	9631	581.95	ug/L		87
11) 1,2-Dichlorotrifluoroe...	1.750	67	39029	37.47	ug/L		92
12) 1,1-Dichloroethene	1.765	61	49680	24.11	ug/L		88
13) Freon 113	1.788	101	31569	25.88	ug/L	#	87
14) Carbon Disulfide	1.788	76	92790	25.05	ug/L		83
15) Iodomethane	1.835	142	26719	27.63	ug/L		90
16) Acrolein	1.912	56	30650	120.99	ug/L		92
17) Allyl chloride	1.996	41	48828	24.24	ug/L		79
18) Methylene Chloride	2.050	49	44668	23.70	ug/L	#	74
19) Acetone	2.050	43	70734	132.78	ug/L		81
20) Methyl acetate	2.127	43	159552	121.02	ug/L		87
21) trans-1,2-Dichloroethene	2.142	61	45518	22.24	ug/L		83
22) Hexane	2.196	56	32107	26.33	ug/L	#	82
23) Methyl Tert Butyl Ether	2.196	73	88118	23.72	ug/L		72
24) Acetonitrile	2.273	41	48760	272.81	ug/L		97
25) Tert Butyl Alcohol	2.212	59	58094	273.52	ug/L		60
26) Di-isopropyl ether	2.396	45	97231	23.15	ug/L		87
27) Chloroprene	2.443	53	137057	24.90	ug/L		92
28) 1,1-Dichloroethane	2.443	63	59001	22.57	ug/L		97
29) Acrylonitrile	2.443	52	83230	125.36	ug/L		97
30) ETBE	2.581	59	94746	23.81	ug/L		91
31) Vinyl acetate	2.566	43	415495	130.78	ug/L		97
32) cis-1,2-Dichloroethene	2.720	96	33668	23.06	ug/L	#	74
33) 2,2-Dichloropropane	2.781	77	47691	22.56	ug/L		93
34) Bromochloromethane	2.820	128	16917	23.01	ug/L	#	55
35) Cyclohexane	2.858	56	59996	24.73	ug/L	#	79

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\06-28-2024\
Data File : 2A56382.D
Acq On : 28 Jun 2024 7:21 am
Operator : lianatr
Sample : CC1910-4
Misc : MS56922,V2A1914,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 28 07:34:09 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Chloroform	2.858	83	59268	24.50	ug/L		95
37) Ethyl acetate	2.912	43	227698	130.77	ug/L		89
38) Tetrahydrofuran	2.951	42	16298	26.27	ug/L	#	84
40) Carbon Tetrachloride	2.966	117	51195m	25.34	ug/L		
41) 1,1,1-Trichloroethane	2.989	97	51790	22.34	ug/L		94
42) 2-Butanone	3.004	43	115900	133.66	ug/L		84
43) 1,1-Dichloropropene	3.051	75	44197	24.19	ug/L		75
44) tert-Butyl formate	3.097	59	151441	139.42	ug/L		94
45) Propionitrile	3.143	54	65056	262.14	ug/L		98
46) Methacrylonitrile	3.166	41	256578	262.77	ug/L		94
47) Benzene	3.181	78	124304	23.19	ug/L		84
48) TAME	3.251	73	84490	24.30	ug/L		84
50) 1,2-Dichloroethane	3.274	62	45926	23.44	ug/L		96
51) Isobutyl Alcohol	3.258	43	73389	548.96	ug/L		95
52) Tert Amyl Alcohol	3.320	59	47357	279.24	ug/L		89
53) Trichloroethene	3.512	95	35855	23.46	ug/L		90
54) Methylcyclohexane	3.528	83	60091	25.39	ug/L	#	80
55) Dibromomethane	3.736	93	21524	23.23	ug/L		84
56) 1,2-Dichloropropane	3.789	63	32041	23.14	ug/L		88
57) Bromodichloromethane	3.828	83	44044	22.73	ug/L	#	93
58) Methyl methacrylate	3.920	41	33815	25.93	ug/L	#	68
59) 1,4-Dioxane	3.943	88	7137	533.96	ug/L		91
60) 2-Chloroethyl vinyl ether	4.167	63	115919	122.68	ug/L		83
61) cis-1,3-Dichloropropene	4.205	75	50040	23.81	ug/L		77
64) Toluene	4.367	91	131996	23.12	ug/L		100
65) 2-Nitropropane	4.467	41	67232	133.85	ug/L		91
66) 4-Methyl-2-pentanone	4.582	43	218031	127.99	ug/L		87
67) trans-1,3-Dichloropropene	4.613	75	46729	24.76	ug/L		81
68) Tetrachloroethene	4.628	166	36944	25.03	ug/L		92
69) Ethyl methacrylate	4.728	69	41475	24.53	ug/L	#	67
70) 1,1,2-Trichloroethane	4.713	83	24782	23.11	ug/L		87
71) Dibromochloromethane	4.836	129	33015	24.80	ug/L		99
72) 1,3-Dichloropropane	4.890	76	46498	24.93	ug/L		74
73) 1,2-Dibromoethane	4.990	107	31646	24.85	ug/L		96
74) 3,3-Dimethyl-1-Butanol	5.121	57	272288	1297.05	ug/L		94
75) 2-hexanone	5.136	43	216414	130.97	ug/L		76
76) 1-Chlorohexane	5.367	91	47635m	22.03	ug/L		
77) Ethylbenzene	5.398	91	156282m	23.63	ug/L		
78) Chlorobenzene	5.367	112	87465	23.68	ug/L		89
79) 1,1,1,2-Tetrachloroethane	5.406	131	30999	24.61	ug/L		97
80) m,p-Xylene	5.498	91	250562	46.33	ug/L		92
81) o-Xylene	5.798	91	129097	22.79	ug/L		91
82) Styrene	5.837	104	92055	22.54	ug/L		91
83) Bromoform	5.837	173	24207	25.64	ug/L		96
84) Isopropylbenzene	6.037	105	152100	22.80	ug/L		96
87) cis-1,4-Dichloro-2-butene	6.260	53	12927	26.90	ug/L	#	68
88) n-Propylbenzene	6.352	91	190606	22.55	ug/L		92
89) Bromobenzene	6.306	156	36867	23.00	ug/L	#	78
90) 1,1,2,2-Tetrachloroethane	6.368	83	43045	22.81	ug/L		98
91) 1,3,5-Trimethylbenzene	6.506	105	129288	22.53	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\06-28-2024\
Data File : 2A56382.D
Acq On : 28 Jun 2024 7:21 am
Operator : lianatr
Sample : CC1910-4
Misc : MS56922,V2A1914,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 28 07:34:09 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration

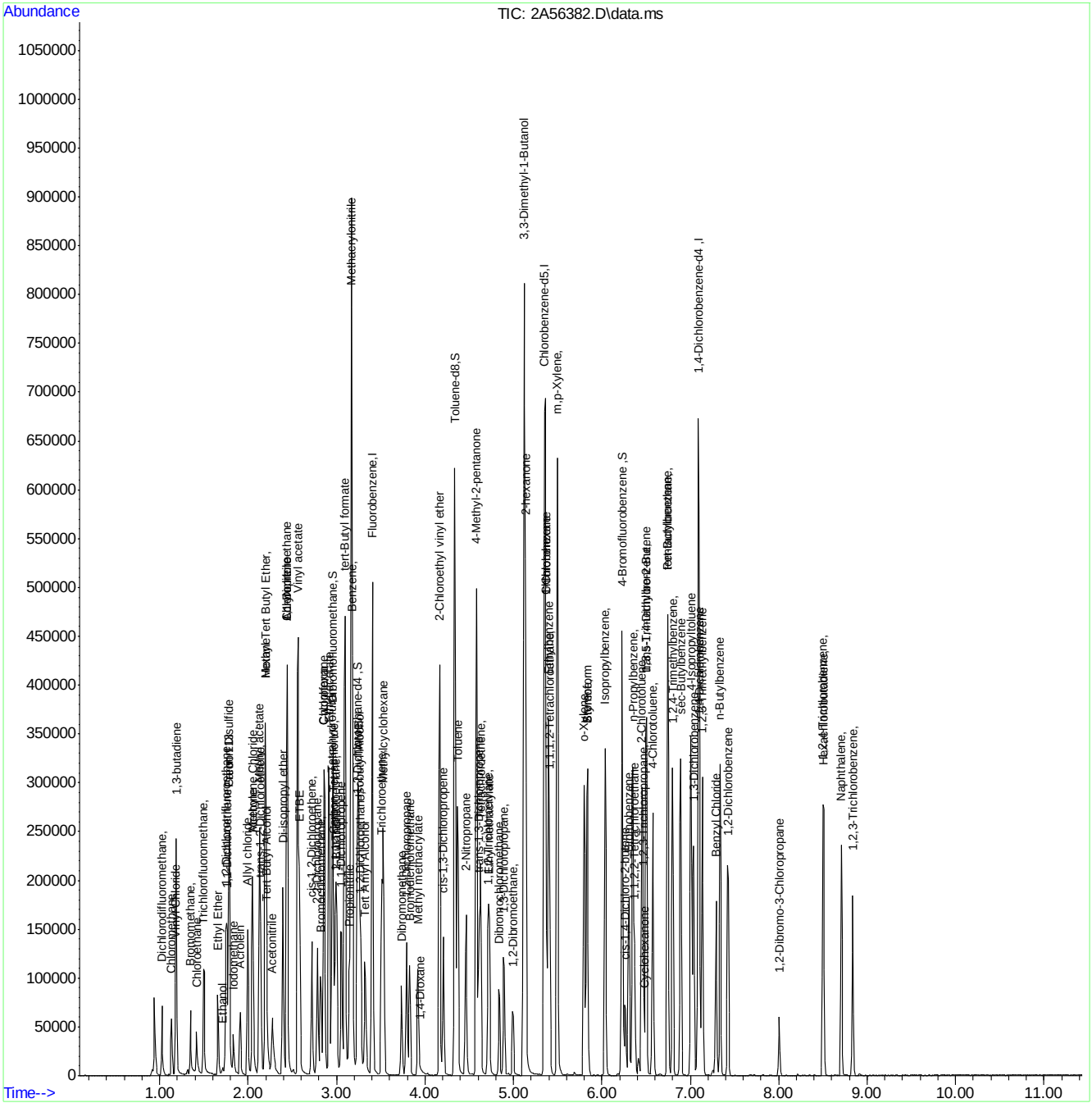
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92)	2-Chlorotoluene	6.452	91	105434	22.60	ug/L		91
93)	trans-1,4-Dichloro-2-B...	6.506	53	15352	25.26	ug/L	#	69
94)	1,2,3-Trichloropropane	6.468	110	12636	25.57	ug/L	#	72
95)	Cyclohexanone	6.483	55	7858	138.95	ug/L	#	79
96)	4-Chlorotoluene	6.576	91	111623	22.35	ug/L		88
97)	tert-Butylbenzene	6.745	91	76158	22.06	ug/L		83
98)	1,2,4-Trimethylbenzene	6.799	105	122236	22.77	ug/L		98
99)	Pentachloroethane	6.745	167	21456	24.81	ug/L	#	77
100)	sec-Butylbenzene	6.891	105	165452	22.76	ug/L		94
101)	4-Isopropyltoluene	7.007	119	140247	22.72	ug/L		95
102)	1,3-Dichlorobenzene	7.037	146	71807	23.04	ug/L		95
103)	1,2,3-Trimethylbenzene	7.137	105	123291	23.17	ug/L		95
104)	1,4-Dichlorobenzene	7.107	146	72439	23.23	ug/L		94
105)	n-Butylbenzene	7.337	92	64618	22.89	ug/L		95
106)	Benzyl Chloride	7.291	126	17297	24.97	ug/L	#	67
107)	1,2-Dichlorobenzene	7.430	146	64897	23.21	ug/L		93
108)	1,2-Dibromo-3-Chloropr...	8.007	75	9504	24.84	ug/L	#	52
109)	Hexachlorobutadiene	8.507	225	18547	23.42	ug/L		84
110)	1,2,4-Trichlorobenzene	8.500	180	38711	22.75	ug/L		95
111)	Naphthalene	8.707	128	109067	23.47	ug/L		100
112)	1,2,3-Trichlorobenzene	8.838	180	34786	22.87	ug/L		95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\06-28-2024\
Data File : 2A56382.D
Acq On : 28 Jun 2024 7:21 am
Operator : lianatr
Sample : CC1910-4
Misc : MS56922,V2A1914,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 28 07:34:09 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration



Manual Integration Approval Summary

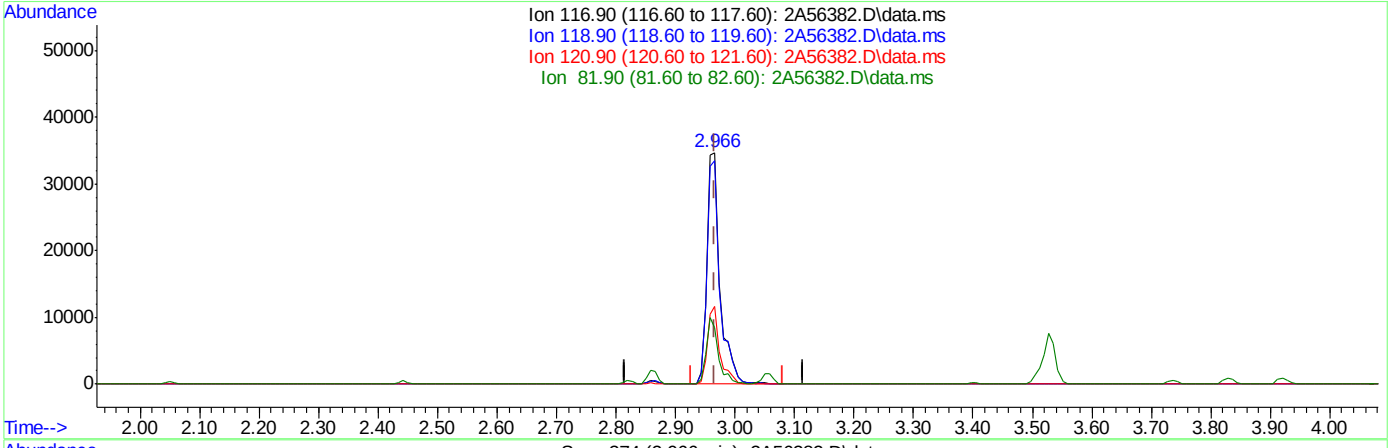
Sample Number: V2A1914-CC1910 **Method:** SW846 8260D
Lab FileID: 2A56382.D **Analyst approved:** 06/28/24 11:34 Liana Tortrodriguez
Injection Time: 06/28/24 07:21 **Supervisor approved:** 07/01/24 08:02 Karen Watson

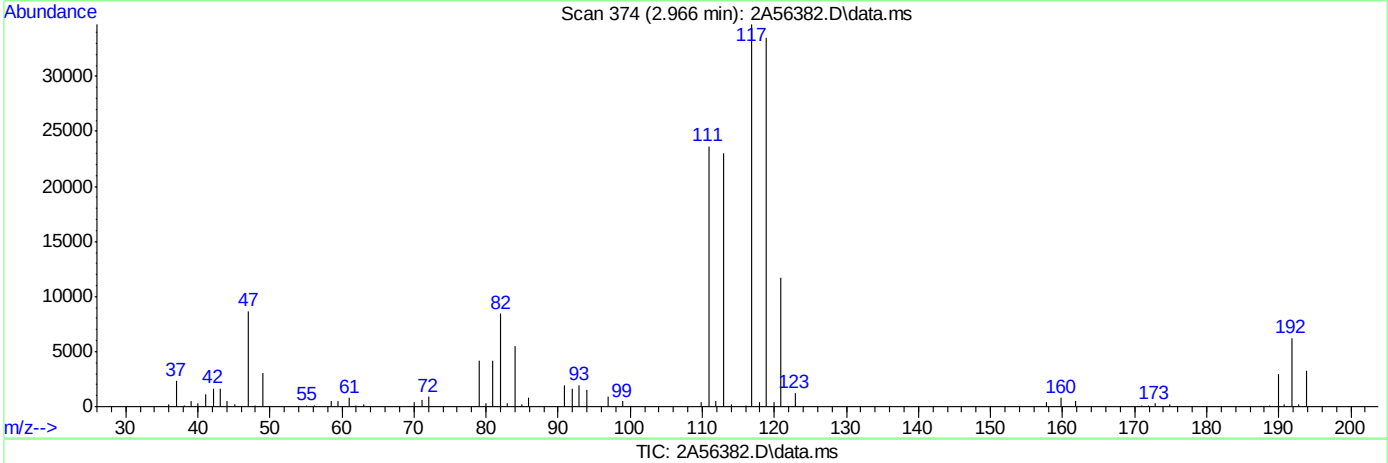
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		2.97	Poorly defined baseline
1-Chlorohexane	544-10-5		5.37	Poorly defined baseline
Ethylbenzene	100-41-4		5.40	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-28-2024\
Data File : 2A56382.D
Acq On : 28 Jun 2024 7:21 am
Operator : lianatr
Sample : CC1910-4
Misc : MS56922,V2A1914,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 28 07:33:16 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration





TIC: 2A56382.D\data.ms

(40) Carbon Tetrachloride ( )

2.966min (-0.000) 26.76ug/L

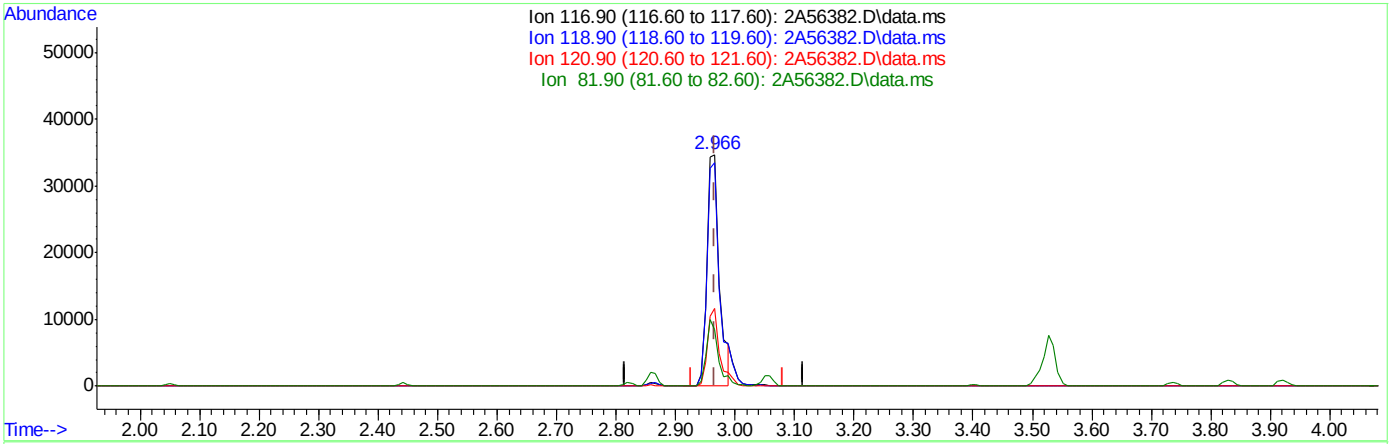
response 54051

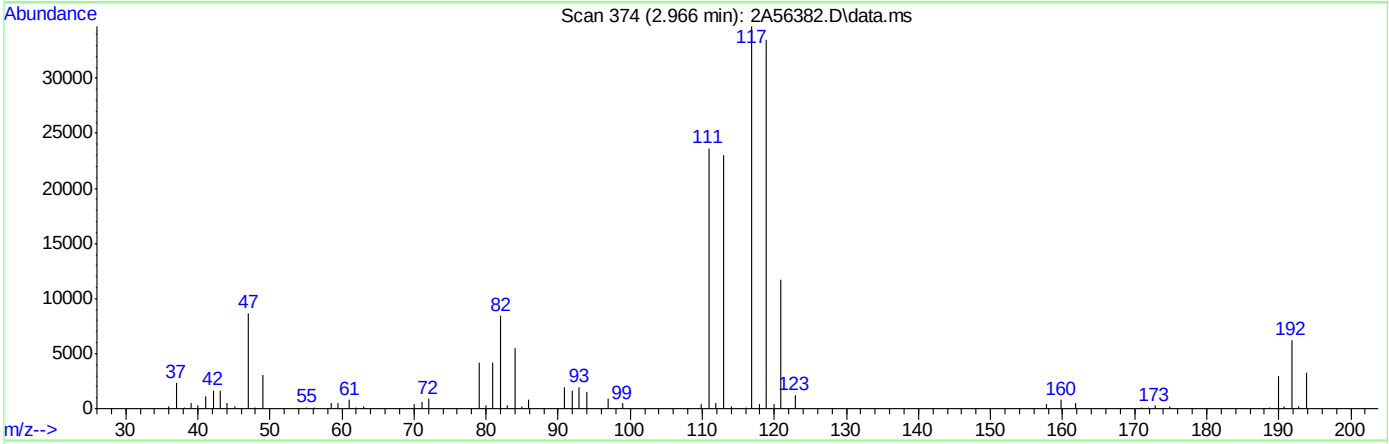
Ion	Exp%	Act%
116.90	100	100
118.90	96.30	96.59
120.90	31.00	33.76
81.90	19.00	24.32

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-28-2024\
Data File : 2A56382.D
Acq On : 28 Jun 2024 7:21 am
Operator : lianatr
Sample : CC1910-4
Misc : MS56922,V2A1914,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 28 07:33:16 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration





TIC: 2A56382.D\data.ms

(40) Carbon Tetrachloride ( )

2.966min (-0.000) 25.34ug/L m

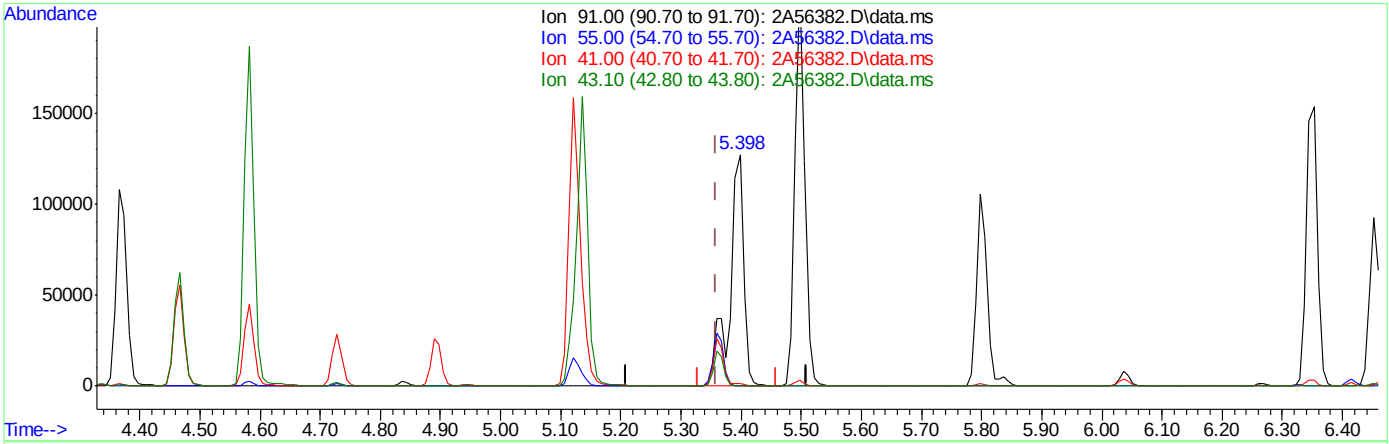
response 51195

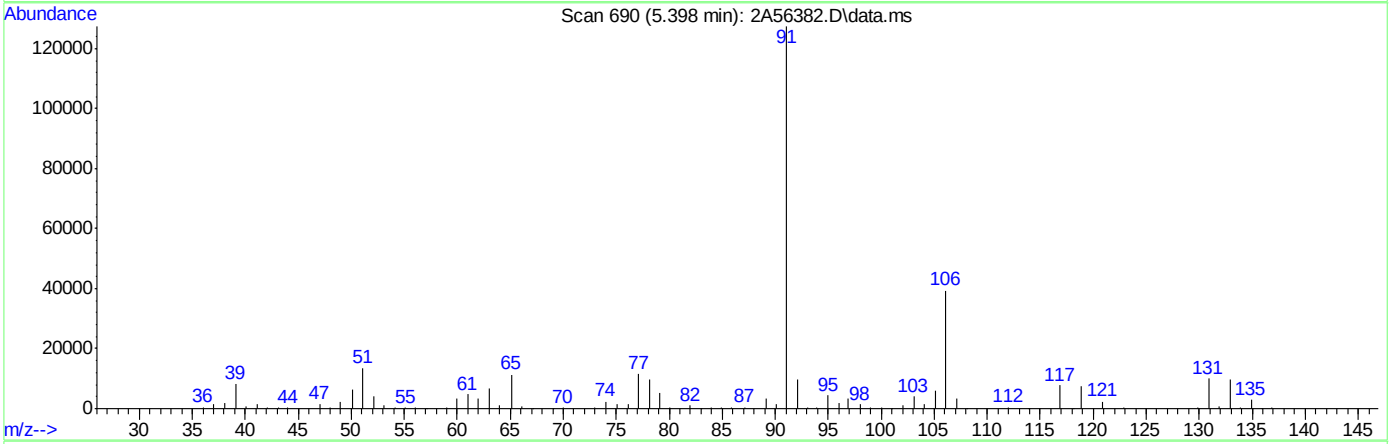
Ion	Exp%	Act%
116.90	100	100
118.90	96.30	96.59
120.90	31.00	33.76
81.90	19.00	24.32

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-28-2024\
Data File : 2A56382.D
Acq On : 28 Jun 2024 7:21 am
Operator : lianatr
Sample : CC1910-4
Misc : MS56922,V2A1914,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 28 07:33:16 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration





TIC: 2A56382.D\data.ms

(76) 1-Chlorohexane

5.398min (+0.039) 94.12ug/L

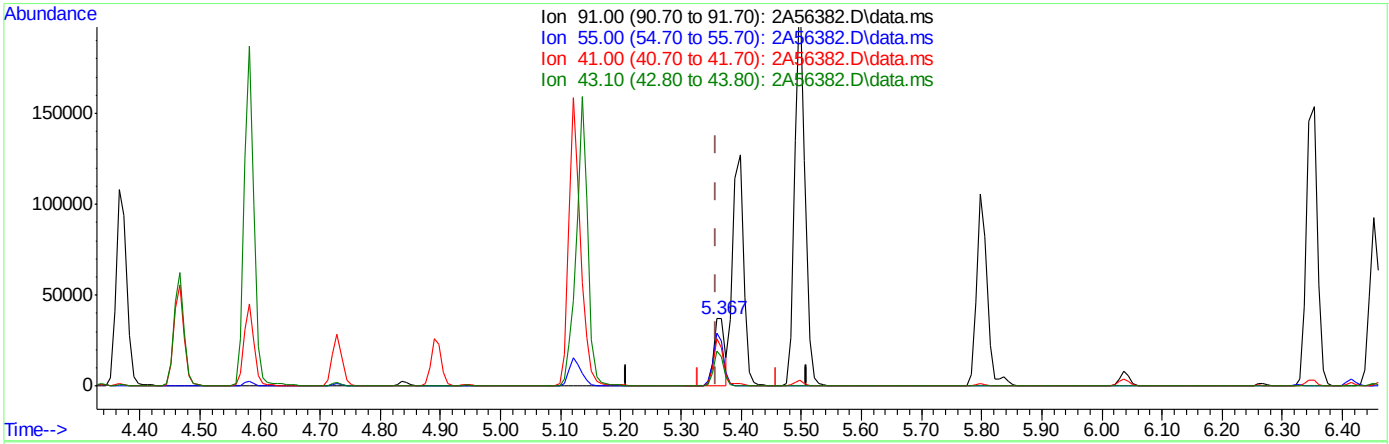
response 203554

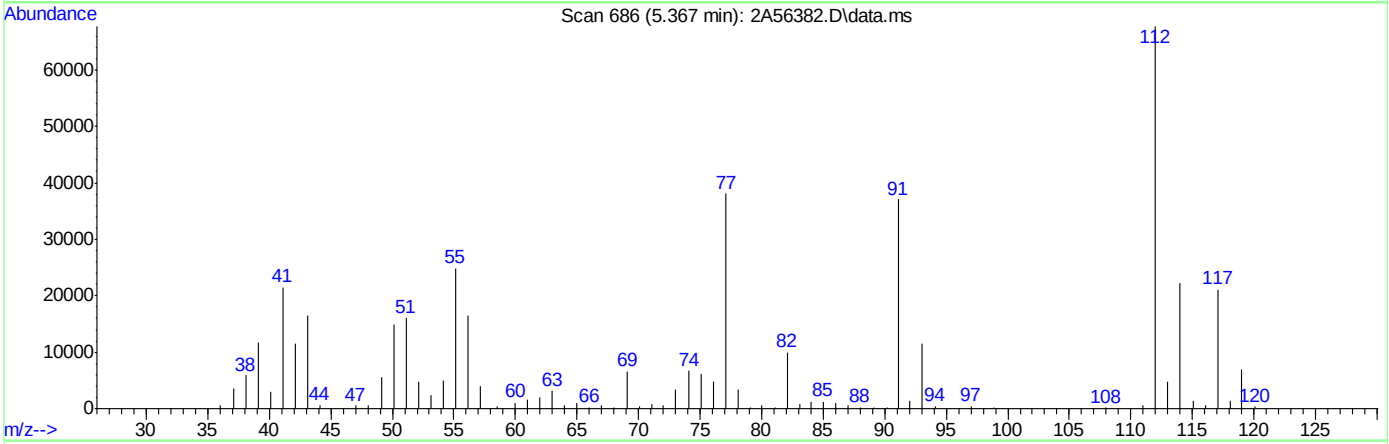
Ion	Exp%	Act%
91.00	100	100
55.00	58.90	0.23#
41.00	39.20	1.01#
43.10	33.20	0.16#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-28-2024\
Data File : 2A56382.D
Acq On : 28 Jun 2024 7:21 am
Operator : lianatr
Sample : CC1910-4
Misc : MS56922,V2A1914,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 28 07:33:16 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration





TIC: 2A56382.D\data.ms

(76) 1-Chlorohexane

5.367min (+0.008) 22.03ug/L m

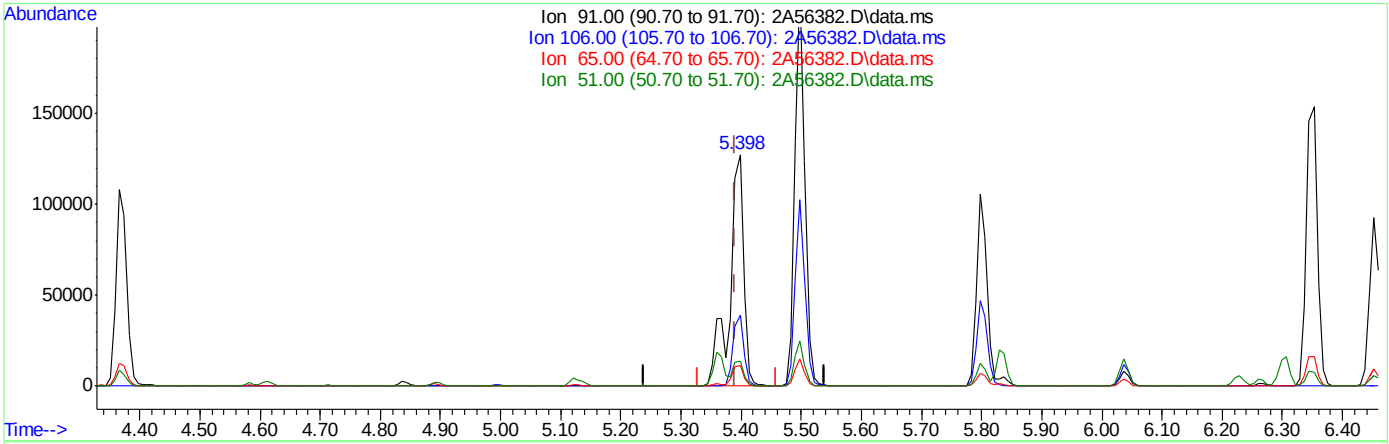
response 47635

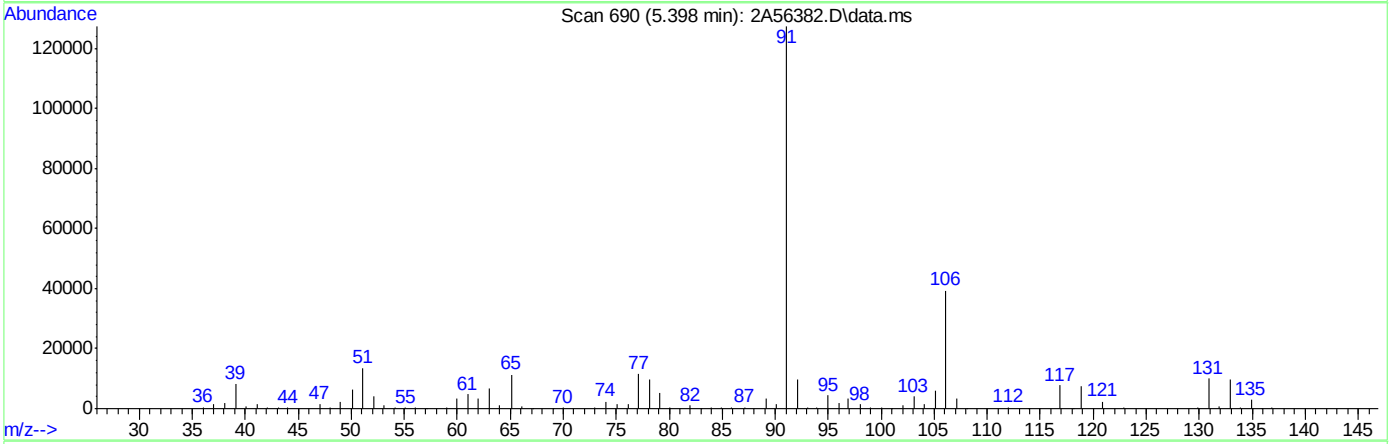
Ion	Exp%	Act%
91.00	100	100
55.00	58.90	67.15
41.00	39.20	57.79
43.10	33.20	44.30

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-28-2024\
Data File : 2A56382.D
Acq On : 28 Jun 2024 7:21 am
Operator : lianatr
Sample : CC1910-4
Misc : MS56922,V2A1914,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 28 07:33:16 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration





TIC: 2A56382.D\data.ms

(77) Ethylbenzene

5.398min (+0.008) 30.78ug/L

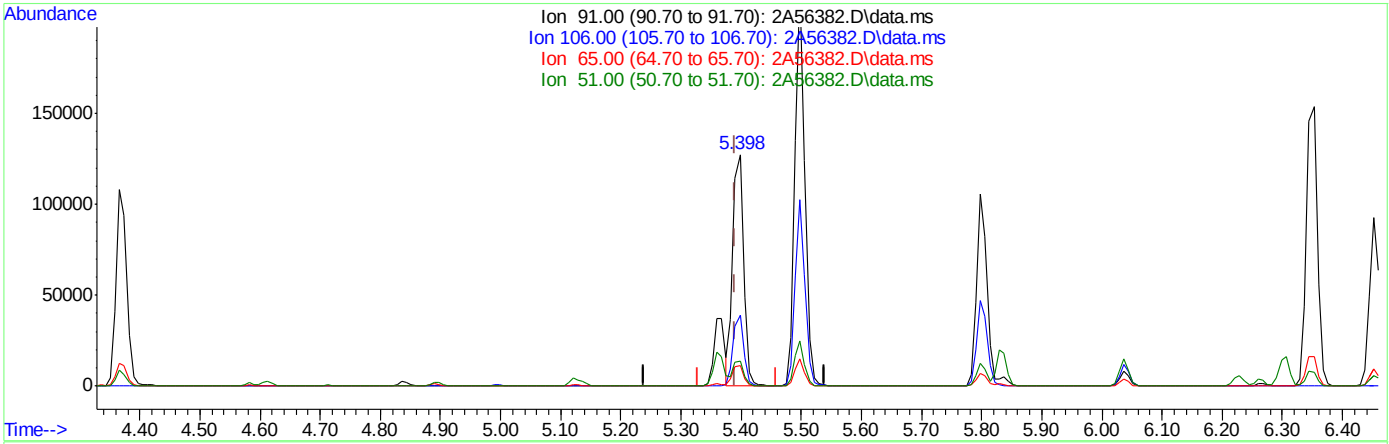
response 203554

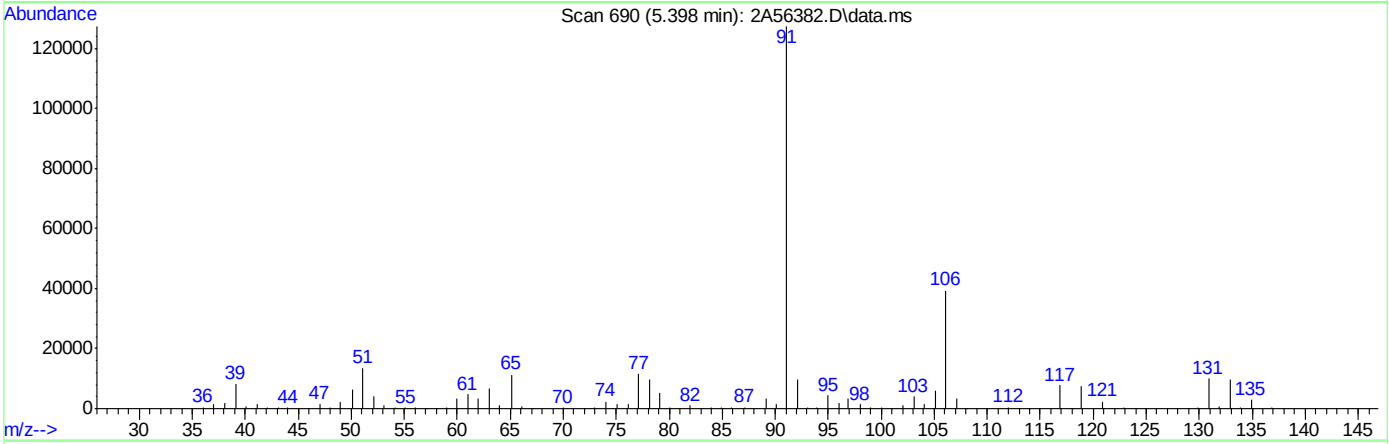
Ion	Exp%	Act%
91.00	100	100
106.00	34.30	30.86
65.00	7.10	8.84
51.00	7.10	10.68

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\06-28-2024\
Data File : 2A56382.D
Acq On : 28 Jun 2024 7:21 am
Operator : lianatr
Sample : CC1910-4
Misc : MS56922,V2A1914,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 28 07:33:16 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration





TIC: 2A56382.D\data.ms

(77) Ethylbenzene

5.398min (+0.008) 23.63ug/L m

response 156282

Ion	Exp%	Act%
91.00	100	100
106.00	34.30	30.86
65.00	7.10	8.84
51.00	7.10	10.68

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
07/01/24 08:02

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\V2A1914\
Data File : 2A56407.d
Acq On : 28 Jun 2024 5:24 pm
Operator : lianatr
Sample : ECC1910-4 Inst : MSVOA17
Misc : MS56930,V2A1914,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jul 01 06:04:15 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.405	96	257451	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.352	117	186313	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.091	152	113473	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	2.951	113	72487	48.77	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.54%			
49) 1,2-Dichloroethane-d4	3.236	65	90246	50.65	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 101.30%			
63) Toluene-d8	4.336	98	253552	50.20	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.40%			
86) 4-Bromofluorobenzene	6.229	174	87462	48.70	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.40%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.027	85	28652	22.5179	ug/L	97
3) Chloromethane	1.127	50	31324	21.3838	ug/L	97
4) 1,3-butadiene	1.188	39	42156	24.0120	ug/L #	77
5) Vinyl Chloride	1.173	62	31655	21.3759	ug/L	98
6) Bromomethane	1.350	94	16195	25.1594	ug/L	94
7) Chloroethane	1.411	64	19259	24.0863	ug/L	93
8) Trichlorofluoromethane	1.496	101	49834	25.3241	ug/L	99
9) Ethyl Ether	1.658	59	24364	23.2489	ug/L	89
10) Ethanol	1.712	45	7537	468.9376	ug/L	98
11) 1,2-Dichlorotrifluoroe...	1.742	67	36925	36.4978	ug/L #	84
12) 1,1-Dichloroethene	1.758	61	45784	22.8776	ug/L	82
13) Freon 113	1.789	101	30040	25.3539	ug/L	90
14) Carbon Disulfide	1.781	76	85210	23.6845	ug/L	80
15) Iodomethane	1.835	142	27982	29.6386	ug/L	91
16) Acrolein	1.904	56	27470	111.6542	ug/L	95
17) Allyl chloride	1.996	41	44302	22.6445	ug/L	80
18) Methylene Chloride	2.043	49	43197	23.6000	ug/L #	70
19) Acetone	2.050	43	58946	113.9362	ug/L	81
20) Methyl acetate	2.127	43	148476	115.9572	ug/L	88
21) trans-1,2-Dichloroethene	2.135	61	43485	21.8774	ug/L	76
22) Hexane	2.196	56	29714	25.0871	ug/L #	79
23) Methyl Tert Butyl Ether	2.196	73	87076	24.1376	ug/L #	66
24) Acetonitrile	2.273	41	42666	245.7978	ug/L	96
25) Tert Butyl Alcohol	2.212	59	50805	246.3000	ug/L	76
26) Di-isopropyl ether	2.389	45	95162	23.3299	ug/L	84
27) Chloroprene	2.435	53	126817	23.7273	ug/L	89
28) 1,1-Dichloroethane	2.443	63	56095	22.0938	ug/L	98
29) Acrylonitrile	2.435	52	76556	118.7297	ug/L	95
30) ETBE	2.581	59	94544	24.4656	ug/L	91
31) Vinyl acetate	2.558	43	393397	127.5014	ug/L	96
32) cis-1,2-Dichloroethene	2.720	96	32029	22.5739	ug/L #	76
33) 2,2-Dichloropropane	2.781	77	41087	20.0118	ug/L	95
34) Bromochloromethane	2.820	128	16286	22.8049	ug/L #	64
35) Cyclohexane	2.858	56	56329	23.9058	ug/L #	80
36) Chloroform	2.858	83	57246	24.3700	ug/L	94
37) Ethyl acetate	2.912	43	208926	123.5529	ug/L	90
38) Tetrahydrofuran	2.943	42	14016	23.2581	ug/L	83
40) Carbon Tetrachloride	2.958	117	44740m	22.8035	ug/L	
41) 1,1,1-Trichloroethane	2.989	97	50018	22.2123	ug/L	94
42) 2-Butanone	2.997	43	101781	120.8625	ug/L	81
43) 1,1-Dichloropropene	3.051	75	41125	23.1809	ug/L #	76
44) tert-Butyl formate	3.097	59	137558	130.3931	ug/L	94

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\V2A1914\
Data File : 2A56407.d
Acq On : 28 Jun 2024 5:24 pm
Operator : lianatr
Sample : ECC1910-4 Inst : MSVOA17
Misc : MS56930,V2A1914,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jul 01 06:04:15 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45)	Propionitrile	3.143	54	58123	241.1516	ug/L		98
46)	Methacrylonitrile	3.166	41	241061	254.2024	ug/L		94
47)	Benzene	3.182	78	117575	22.5851	ug/L		87
48)	TAME	3.251	73	83000	24.5768	ug/L		84
50)	1,2-Dichloroethane	3.274	62	46054	24.2071	ug/L		95
51)	Isobutyl Alcohol	3.259	43	67088	516.7136	ug/L		96
52)	Tert Amyl Alcohol	3.320	59	41106	249.5740	ug/L		91
53)	Trichloroethene	3.505	95	33314	22.4408	ug/L		85
54)	Methylcyclohexane	3.528	83	57008	24.8034	ug/L		84
55)	Dibromomethane	3.736	93	20991	23.3259	ug/L		88
56)	1,2-Dichloropropane	3.790	63	30157	22.4237	ug/L		88
57)	Bromodichloromethane	3.828	83	41112	21.8475	ug/L	#	95
58)	Methyl methacrylate	3.920	41	32375	25.5639	ug/L	#	68
59)	1,4-Dioxane	3.936	88	7812	601.7987	ug/L		74
60)	2-Chloroethyl vinyl ether	4.167	63	111092	121.0624	ug/L		83
61)	cis-1,3-Dichloropropene	4.205	75	46275	22.6696	ug/L		77
64)	Toluene	4.367	91	127288	22.7706	ug/L		100
65)	2-Nitropropane	4.467	41	58637	119.2174	ug/L		90
66)	4-Methyl-2-pentanone	4.582	43	205070	122.9376	ug/L		86
67)	trans-1,3-Dichloropropene	4.613	75	43723	23.6610	ug/L		80
68)	Tetrachloroethene	4.629	166	36321	25.1328	ug/L		94
69)	Ethyl methacrylate	4.729	69	40287	24.3337	ug/L	#	68
70)	1,1,2-Trichloroethane	4.713	83	24405	23.2405	ug/L		85
71)	Dibromochloromethane	4.836	129	30343	23.2748	ug/L		99
72)	1,3-Dichloropropane	4.890	76	45771	25.0608	ug/L		75
73)	1,2-Dibromoethane	4.990	107	30644	24.5737	ug/L		95
74)	3,3-Dimethyl-1-Butanol	5.121	57	244760	1190.6845	ug/L		94
75)	2-hexanone	5.136	43	196042	121.1648	ug/L		76
76)	1-Chlorohexane	5.360	91	44914m	21.2090	ug/L		
77)	Ethylbenzene	5.390	91	147151m	22.7210	ug/L		
78)	Chlorobenzene	5.360	112	83389	23.0572	ug/L		83
79)	1,1,1,2-Tetrachloroethane	5.406	131	29840	24.1924	ug/L		98
80)	m,p-Xylene	5.498	91	238161	44.9717	ug/L		92
81)	o-Xylene	5.798	91	125522	22.6335	ug/L		92
82)	Styrene	5.837	104	91056	22.7679	ug/L		93
83)	Bromoform	5.837	173	20940	22.6505	ug/L		95
84)	Isopropylbenzene	6.037	105	147486	22.5800	ug/L		95
87)	cis-1,4-Dichloro-2-butene	6.260	53	9493	19.9489	ug/L	#	68
88)	n-Propylbenzene	6.353	91	182839	21.8494	ug/L		90
89)	Bromobenzene	6.306	156	35853	22.5924	ug/L	#	78
90)	1,1,2,2-Tetrachloroethane	6.368	83	41790	22.3667	ug/L		97
91)	1,3,5-Trimethylbenzene	6.499	105	126004	22.1718	ug/L		94
92)	2-Chlorotoluene	6.453	91	101821	22.0453	ug/L		93
93)	trans-1,4-Dichloro-2-B...	6.499	53	13137	21.8309	ug/L	#	59
94)	1,2,3-Trichloropropane	6.468	110	11783	24.0749	ug/L	#	73
95)	Cyclohexanone	6.483	55	7388	131.9304	ug/L	#	78
96)	4-Chlorotoluene	6.576	91	108717	21.9833	ug/L		88
97)	tert-Butylbenzene	6.745	91	76054	22.2476	ug/L		86
98)	1,2,4-Trimethylbenzene	6.799	105	119609	22.4984	ug/L		96
99)	Pentachloroethane	6.745	167	19301	22.5379	ug/L	#	63
100)	sec-Butylbenzene	6.891	105	162016	22.5091	ug/L		94
101)	4-Isopropyltoluene	7.007	119	136899	22.3978	ug/L		95
102)	1,3-Dichlorobenzene	7.038	146	70641	22.8861	ug/L		94
103)	1,2,3-Trimethylbenzene	7.138	105	122409	23.2320	ug/L		97
104)	1,4-Dichlorobenzene	7.107	146	70938	22.9761	ug/L		95
105)	n-Butylbenzene	7.338	92	63164	22.5950	ug/L		92
106)	Benzyl Chloride	7.291	126	13447	19.6012	ug/L	#	71
107)	1,2-Dichlorobenzene	7.422	146	64637	23.3453	ug/L		91

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\V2A1914\
Data File : 2A56407.d
Acq On : 28 Jun 2024 5:24 pm
Operator : lianatr
Sample : ECC1910-4 Inst : MSVOA17
Misc : MS56930,V2A1914,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jul 01 06:04:15 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration

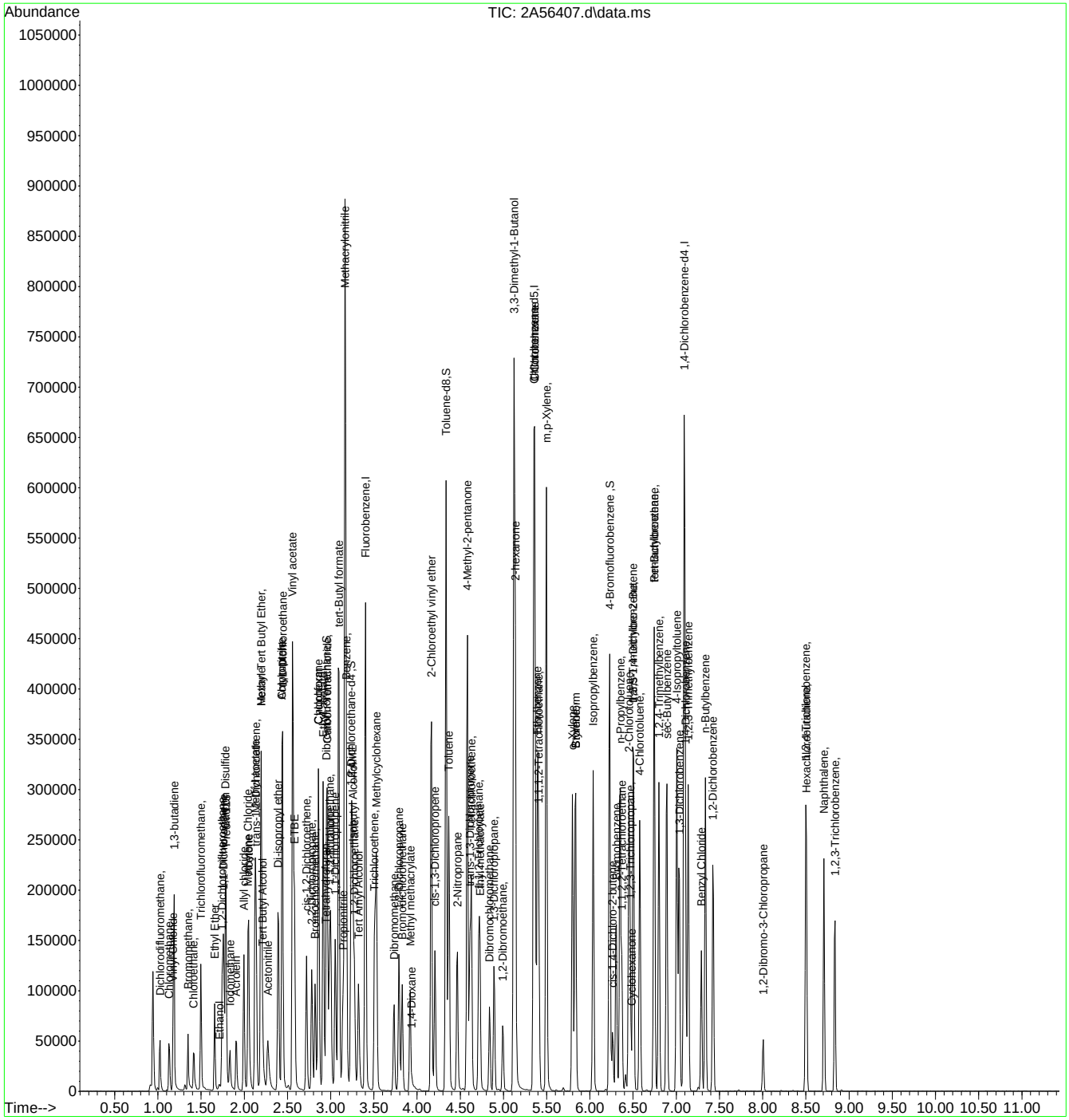
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) 1,2-Dibromo-3-Chloropr...	8.007	75	8340	22.0171	ug/L #	54
109) Hexachlorobutadiene	8.508	225	17970	22.9116	ug/L	88
110) 1,2,4-Trichlorobenzene	8.500	180	39268	23.3100	ug/L	95
111) Naphthalene	8.708	128	107338	23.3240	ug/L	99
112) 1,2,3-Trichlorobenzene	8.838	180	34931	23.1950	ug/L	97

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

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\V2A1914\
Data File : 2A56407.d
Acq On : 28 Jun 2024 5:24 pm
Operator : lianatr
Sample : ECC1910-4 Inst : MSVOA17
Misc : MS56930,V2A1914,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jul 01 06:04:15 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration



Manual Integration Approval Summary

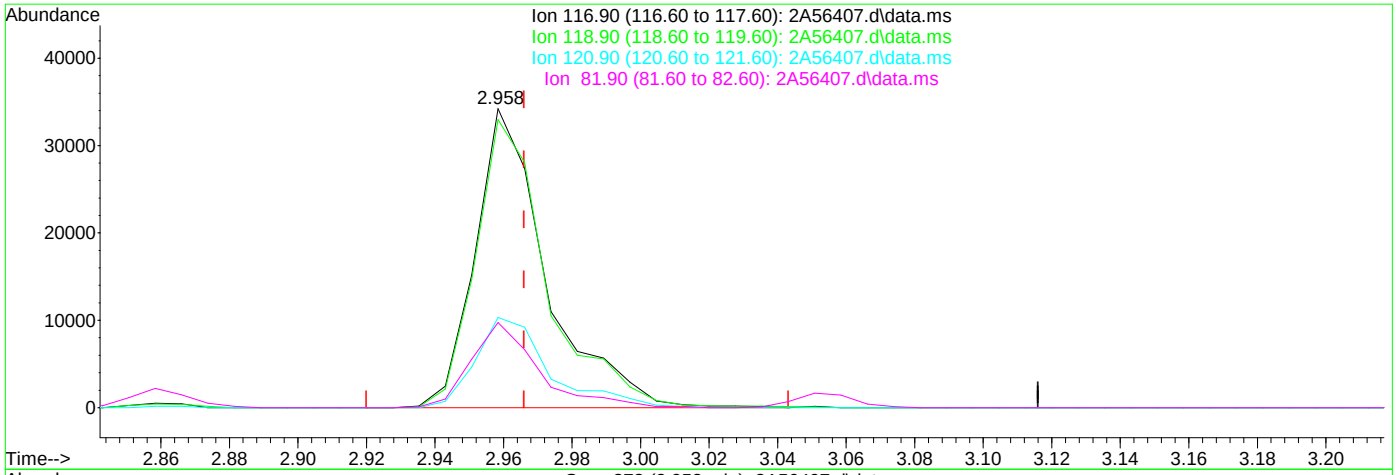
Sample Number: V2A1914-ECC1910 **Method:** SW846 8260D
Lab FileID: 2A56407.D **Analyst approved:** 07/01/24 02:09 Lotus Acosta
Injection Time: 06/28/24 17:24 **Supervisor approved:** 07/01/24 08:02 Karen Watson

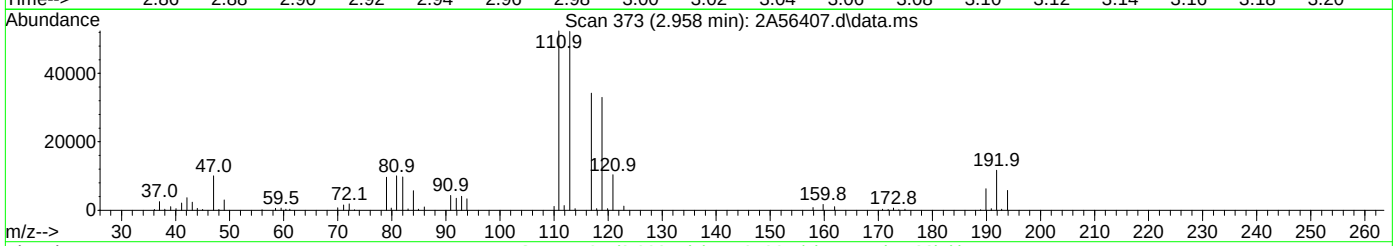
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		2.96	Overlapping peak
1-Chlorohexane	544-10-5		5.36	Overlapping peak
Ethylbenzene	100-41-4		5.39	Overlapping peak

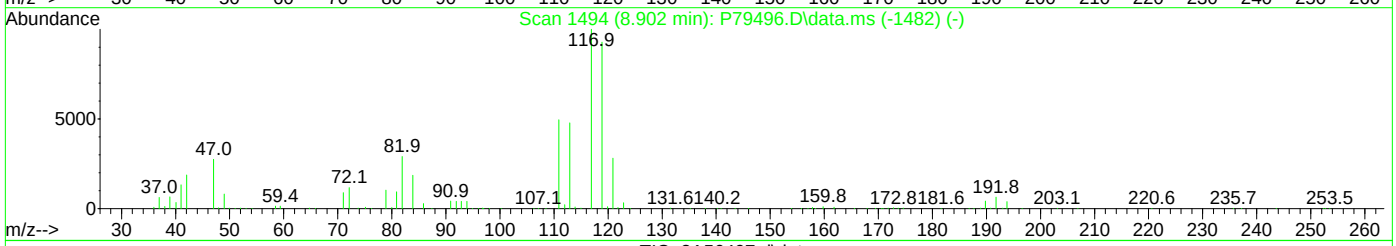
Quantitation Report (Qedit)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\V2A1914\
Data File : 2A56407.d
Acq On : 28 Jun 2024 5:24 pm
Operator : lianatr
Sample : ECC1910-4 Inst : MSVOA17
Misc : MS56930,V2A1914,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jul 01 05:02:27 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration







TIC: 2A56407.d\data.ms

(40) Carbon Tetrachloride ( )

2.958min (-0.008) 25.22ug/L

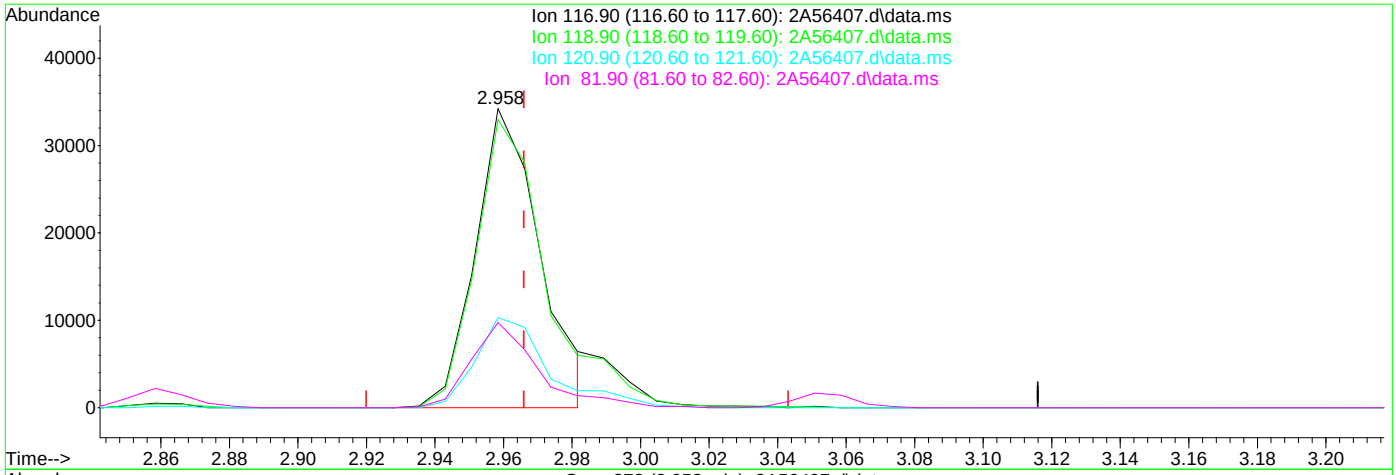
response 49474

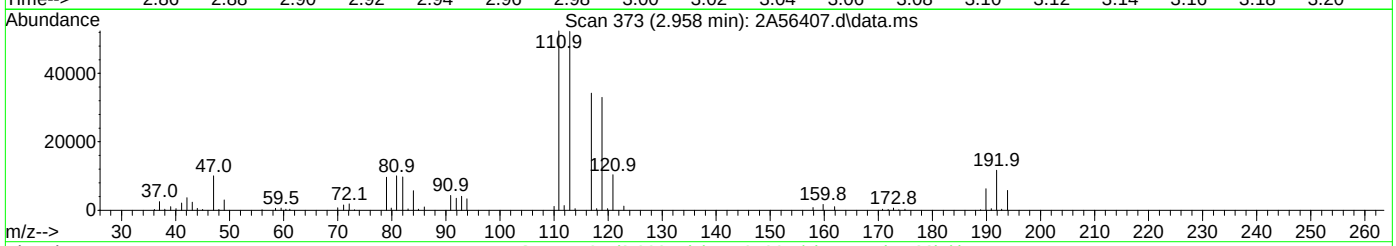
Ion	Exp%	Act%
116.90	100	100
118.90	96.30	96.33
120.90	31.00	30.20
81.90	19.00	28.45

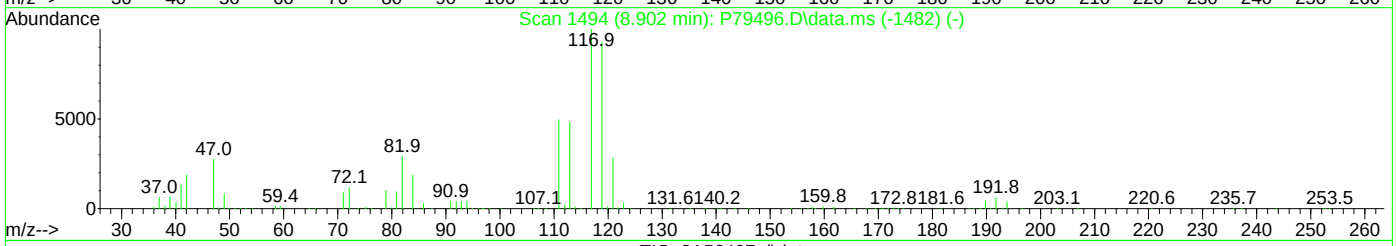
Quantitation Report (Qedit)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\V2A1914\
Data File : 2A56407.d
Acq On : 28 Jun 2024 5:24 pm
Operator : lianatr
Sample : ECC1910-4 Inst : MSVOA17
Misc : MS56930,V2A1914,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jul 01 05:02:27 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration







TIC: 2A56407.d\data.ms

(40) Carbon Tetrachloride ( )

2.958min (-0.008) 22.80ug/L m

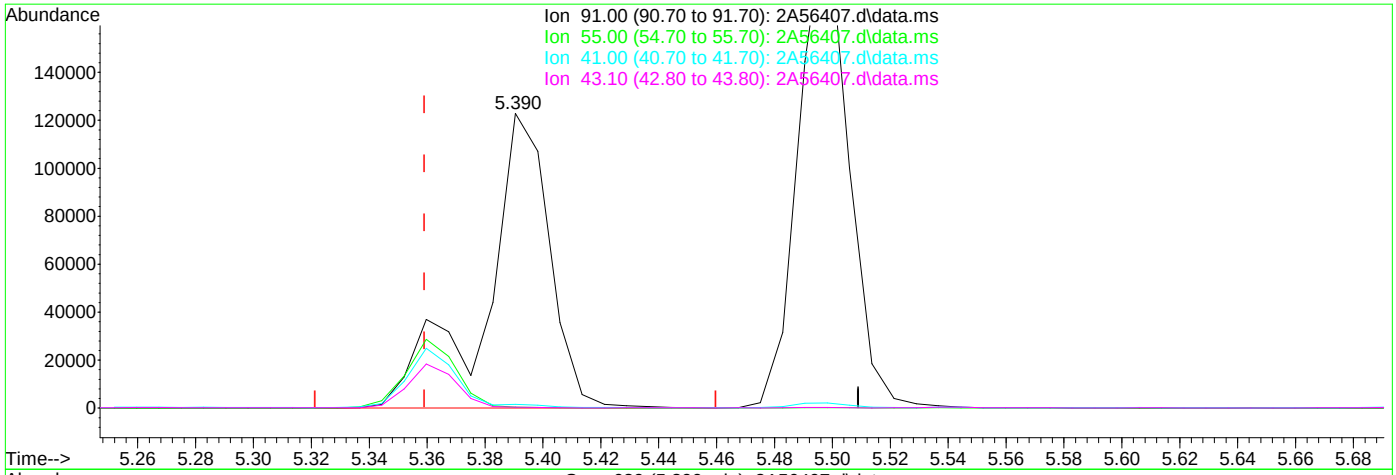
response 44740

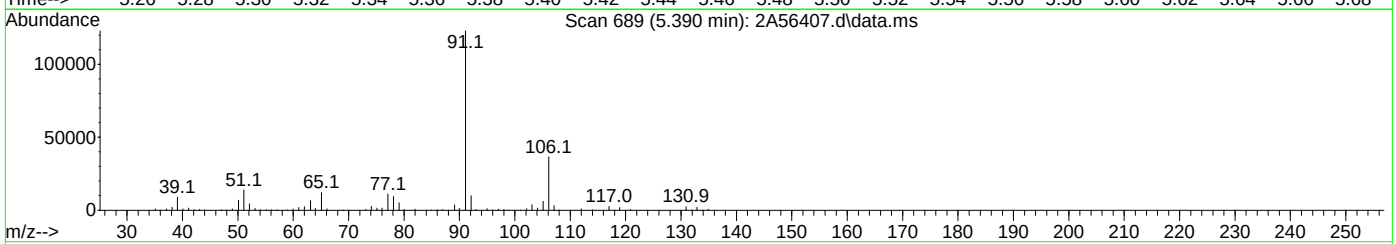
Ion	Exp%	Act%
116.90	100	100
118.90	96.30	96.33
120.90	31.00	30.20
81.90	19.00	28.45

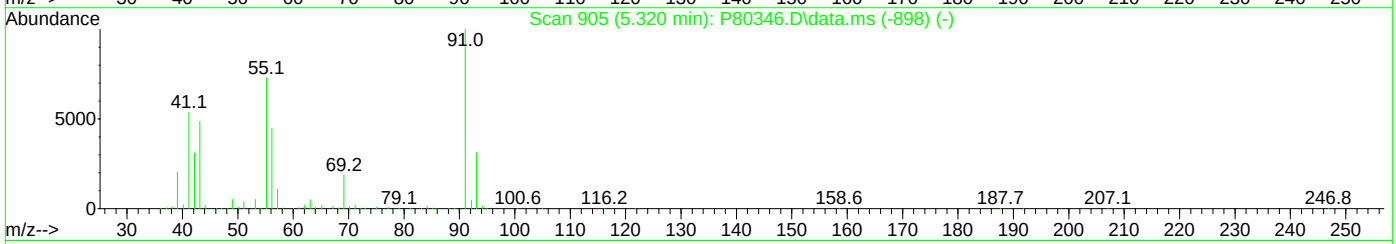
Quantitation Report (Qedit)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\V2A1914\
Data File : 2A56407.d
Acq On : 28 Jun 2024 5:24 pm
Operator : lianatr
Sample : ECC1910-4 Inst : MSVOA17
Misc : MS56930,V2A1914,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jul 01 05:02:27 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration







TIC: 2A56407.d\data.ms

(76) 1-Chlorohexane

5.390min (+0.031) 90.72ug/L

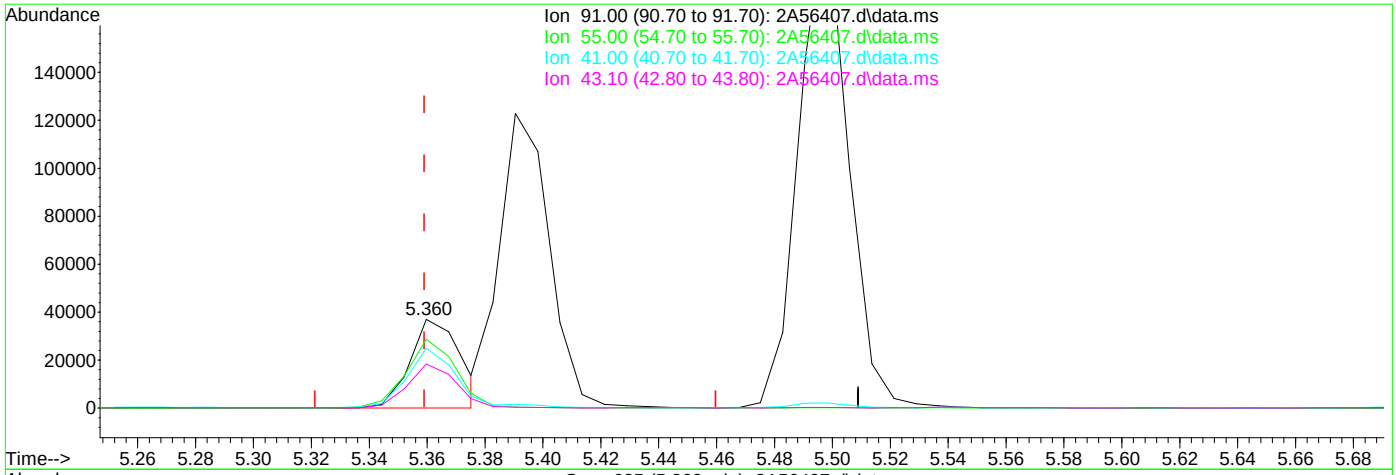
response 192109

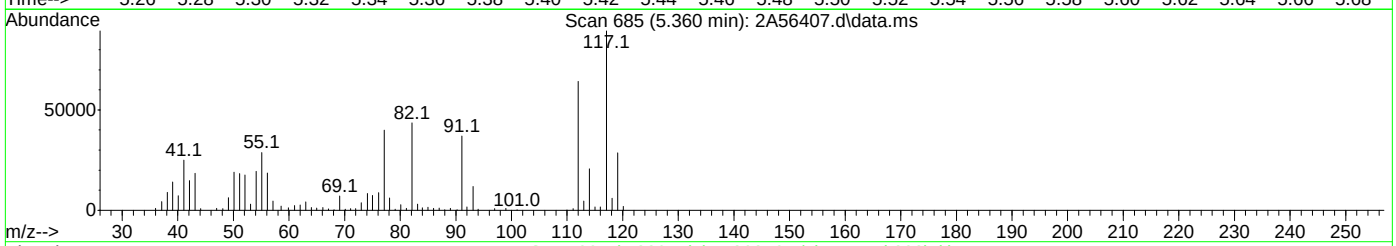
Ion	Exp%	Act%
91.00	100	100
55.00	58.90	0.29#
41.00	39.20	1.08#
43.10	33.20	0.34#

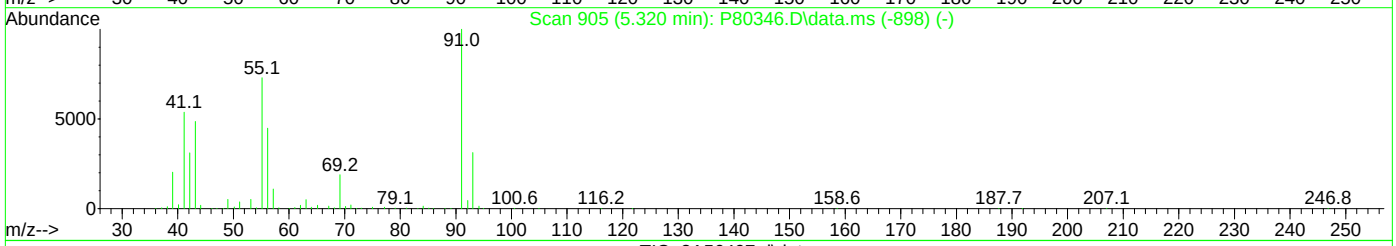
Quantitation Report (Qedit)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\V2A1914\
Data File : 2A56407.d
Acq On : 28 Jun 2024 5:24 pm
Operator : lianatr
Sample : ECC1910-4 Inst : MSVOA17
Misc : MS56930,V2A1914,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jul 01 05:02:27 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration







TIC: 2A56407.d\data.ms

(76) 1-Chlorohexane

5.360min (+0.001) 21.21ug/L m

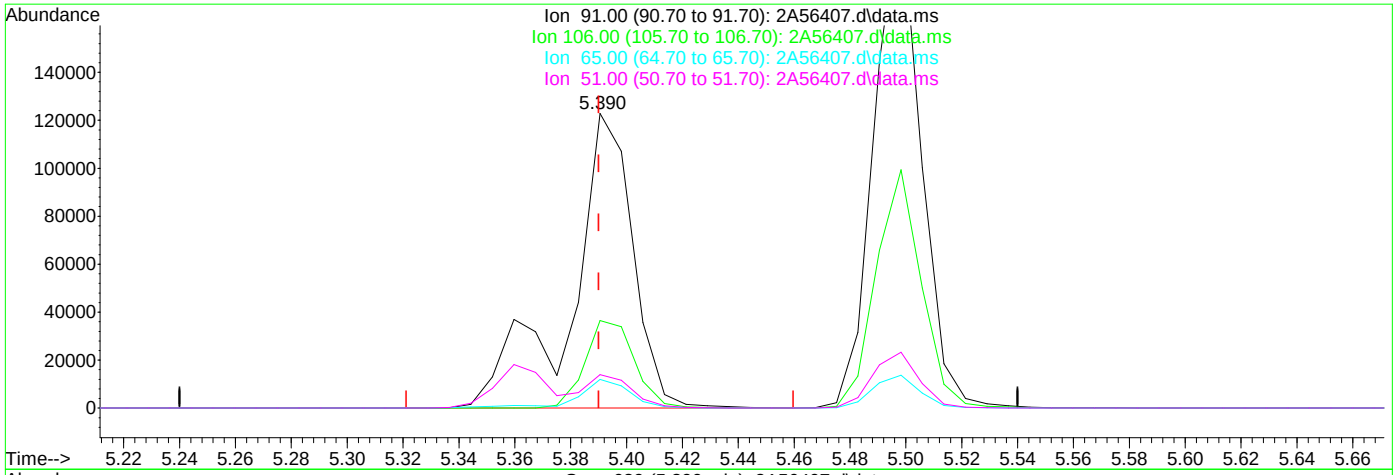
response 44914

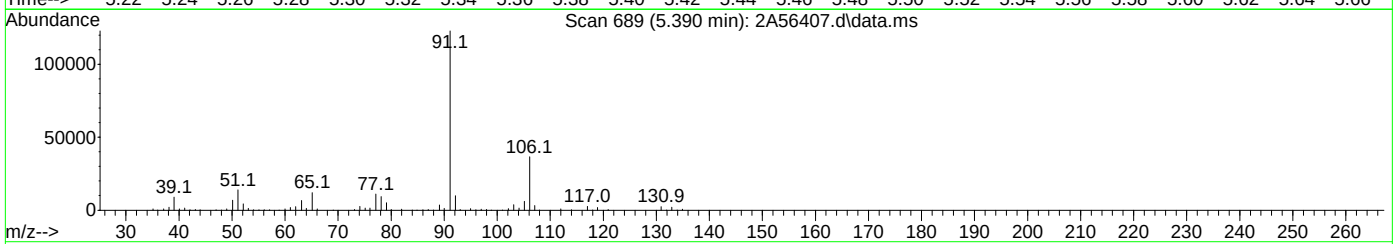
Ion	Exp%	Act%
91.00	100	100
55.00	58.90	77.53
41.00	39.20	67.34#
43.10	33.20	49.84

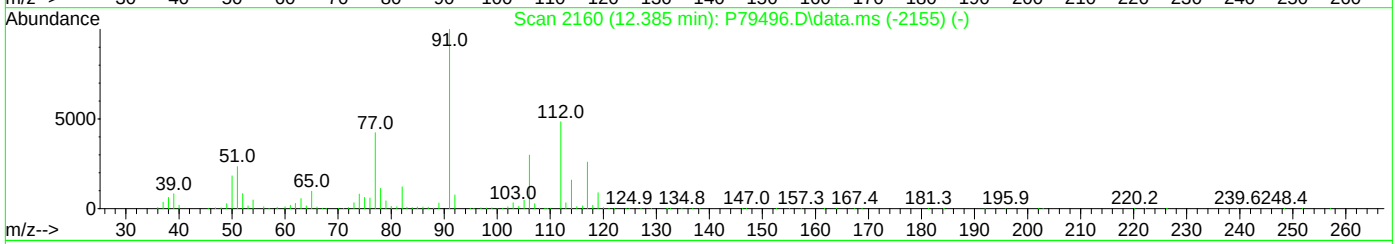
Quantitation Report (Qedit)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\V2A1914\
Data File : 2A56407.d
Acq On : 28 Jun 2024 5:24 pm
Operator : lianatr
Sample : ECC1910-4 Inst : MSVOA17
Misc : MS56930,V2A1914,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jul 01 05:02:27 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration







TIC: 2A56407.d\data.ms

(77) Ethylbenzene

5.390min (+0.000) 29.66ug/L

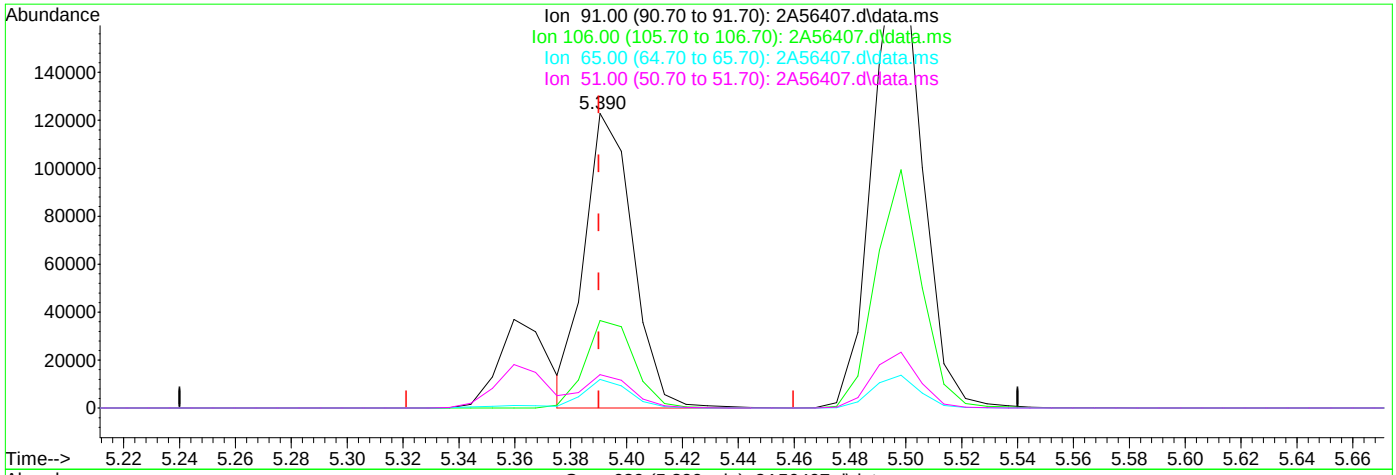
response 192109

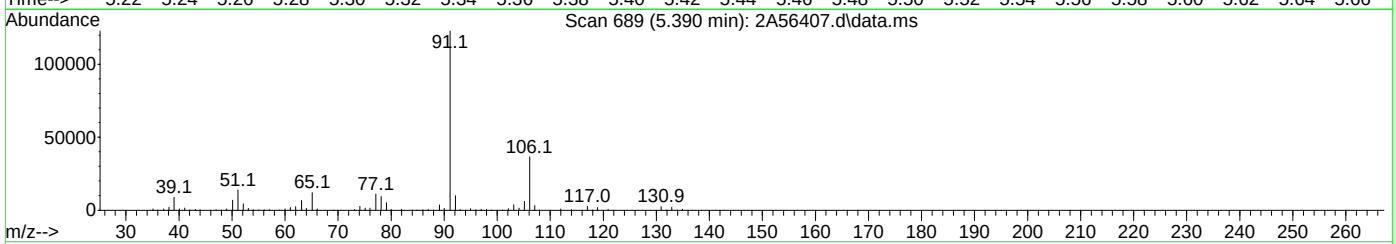
Ion	Exp%	Act%
91.00	100	100
106.00	34.30	29.73
65.00	7.10	9.77
51.00	7.10	11.38

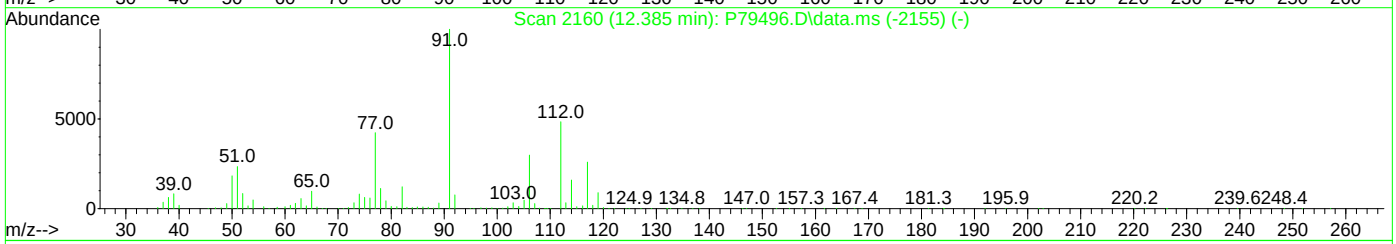
Quantitation Report (Qedit)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\V2A1914\
Data File : 2A56407.d
Acq On : 28 Jun 2024 5:24 pm
Operator : lianatr
Sample : ECC1910-4 Inst : MSVOA17
Misc : MS56930,V2A1914,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jul 01 05:02:27 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\V2A1914\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration







TIC: 2A56407.d\data.ms

(77) Ethylbenzene

5.390min (+0.000) 22.72ug/L m

response 147151

Ion	Exp%	Act%
91.00	100	100
106.00	34.30	29.73
65.00	7.10	9.77
51.00	7.10	11.38

Manual Integrations APPROVED (compounds with "m" flag)
Neil Christiana 07/08/24 07:50

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\07-05-2024\
Data File : 2A56571.D
Acq On : 5 Jul 2024 7:31 am
Operator : lianatr
Sample : CC1910-4
Misc : MS56968,V2A1921,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 05 07:44:45 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	3.405	96	248144	50.00	ug/L		0.00
62) Chlorobenzene-d5	5.352	117	185661	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	7.091	152	114264	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	2.951	113	70483	49.20	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.40%				
49) 1,2-Dichloroethane-d4	3.235	65	88158	51.33	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 102.66%				
63) Toluene-d8	4.336	98	245796	48.84	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 97.68%				
86) 4-Bromofluorobenzene	6.229	174	88704	49.05	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.10%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.027	85	33371	27.21	ug/L		99
3) Chloromethane	1.134	50	32583	23.08	ug/L		99
4) 1,3-butadiene	1.188	39	37542	22.09	ug/L	#	75
5) Vinyl Chloride	1.173	62	33160	23.23	ug/L		96
6) Bromomethane	1.350	94	14303	23.05	ug/L		95
7) Chloroethane	1.419	64	21298	27.99	ug/L		96
8) Trichlorofluoromethane	1.496	101	52762	27.82	ug/L		99
9) Ethyl Ether	1.658	59	23239	23.01	ug/L		90
10) Ethanol	1.704	45	7837	505.89	ug/L		89
11) 1,2-Dichlorotrifluoroe...	1.750	67	36178	37.10	ug/L		95
12) 1,1-Dichloroethene	1.758	61	46796	24.26	ug/L		83
13) Freon 113	1.788	101	30404	26.62	ug/L		89
14) Carbon Disulfide	1.781	76	87497	25.23	ug/L		79
15) Iodomethane	1.835	142	20525	22.95	ug/L		88
16) Acrolein	1.912	56	29933	126.23	ug/L		97
17) Allyl chloride	1.996	41	46662	24.75	ug/L		77
18) Methylene Chloride	2.042	49	42561	24.12	ug/L	#	69
19) Acetone	2.050	43	62734	125.81	ug/L		80
20) Methyl acetate	2.127	43	145996	118.30	ug/L		88
21) trans-1,2-Dichloroethene	2.135	61	44503	23.23	ug/L		76
22) Hexane	2.196	56	30768	26.95	ug/L	#	79
23) Methyl Tert Butyl Ether	2.196	73	83779	24.09	ug/L	#	64
24) Acetonitrile	2.273	41	43748	261.48	ug/L		99
25) Tert Butyl Alcohol	2.212	59	52526	264.19	ug/L		68
26) Di-isopropyl ether	2.396	45	91377	23.24	ug/L		86
27) Chloroprene	2.435	53	129116	25.06	ug/L		88
28) 1,1-Dichloroethane	2.443	63	56617	23.14	ug/L		97
29) Acrylonitrile	2.435	52	77470	124.65	ug/L		95
30) ETBE	2.581	59	93206	25.02	ug/L		88
31) Vinyl acetate	2.558	43	387102	130.17	ug/L		97
32) cis-1,2-Dichloroethene	2.720	96	32812	24.03	ug/L	#	79
33) 2,2-Dichloropropane	2.781	77	47104	23.80	ug/L		94
34) Bromochloromethane	2.820	128	16599	24.11	ug/L	#	60
35) Cyclohexane	2.858	56	56597	24.92	ug/L	#	80

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\07-05-2024\
Data File : 2A56571.D
Acq On : 5 Jul 2024 7:31 am
Operator : lianatr
Sample : CC1910-4
Misc : MS56968,V2A1921,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 05 07:44:45 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Chloroform	2.858	83	57886	25.57	ug/L		93
37) Ethyl acetate	2.912	43	209718	128.67	ug/L		89
38) Tetrahydrofuran	2.943	42	14305	24.63	ug/L		83
40) Carbon Tetrachloride	2.958	117	47446m	25.09	ug/L		
41) 1,1,1-Trichloroethane	2.989	97	52351	24.12	ug/L		93
42) 2-Butanone	3.004	43	105052	129.43	ug/L		82
43) 1,1-Dichloropropene	3.051	75	41720	24.40	ug/L	#	74
44) tert-Butyl formate	3.097	59	151813	149.30	ug/L		92
45) Propionitrile	3.143	54	59656	256.80	ug/L		98
46) Methacrylonitrile	3.166	41	242181	264.96	ug/L		94
47) Benzene	3.181	78	119859	23.89	ug/L		86
48) TAME	3.251	73	81292	24.97	ug/L		84
50) 1,2-Dichloroethane	3.274	62	46016	25.09	ug/L		96
51) Isobutyl Alcohol	3.258	43	67285	537.67	ug/L		95
52) Tert Amyl Alcohol	3.320	59	42600	268.35	ug/L		92
53) Trichloroethene	3.512	95	34803	24.32	ug/L		92
54) Methylcyclohexane	3.528	83	56972	25.72	ug/L		84
55) Dibromomethane	3.736	93	20904	24.10	ug/L		89
56) 1,2-Dichloropropane	3.789	63	29706	22.92	ug/L		88
57) Bromodichloromethane	3.828	83	42016	23.17	ug/L	#	96
58) Methyl methacrylate	3.920	41	31517	25.82	ug/L	#	68
59) 1,4-Dioxane	3.936	88	6377	509.68	ug/L		81
60) 2-Chloroethyl vinyl ether	4.167	63	110363	124.78	ug/L		83
61) cis-1,3-Dichloropropene	4.205	75	46434	23.60	ug/L		77
64) Toluene	4.367	91	128900	23.14	ug/L		99
65) 2-Nitropropane	4.467	41	63840	130.25	ug/L		92
66) 4-Methyl-2-pentanone	4.582	43	200778	120.79	ug/L		87
67) trans-1,3-Dichloropropene	4.613	75	45451	24.68	ug/L		81
68) Tetrachloroethene	4.628	166	36891	25.62	ug/L		96
69) Ethyl methacrylate	4.728	69	38065	23.07	ug/L	#	67
70) 1,1,2-Trichloroethane	4.713	83	23346	22.31	ug/L		86
71) Dibromochloromethane	4.836	129	32975	25.38	ug/L		97
72) 1,3-Dichloropropane	4.890	76	44696	24.56	ug/L		73
73) 1,2-Dibromoethane	4.990	107	30855	24.83	ug/L		91
74) 3,3-Dimethyl-1-Butanol	5.121	57	253757	1238.79	ug/L		95
75) 2-hexanone	5.136	43	198315	123.00	ug/L		76
76) 1-Chlorohexane	5.360	91	45765m	21.69	ug/L		
77) Ethylbenzene	5.398	91	151899m	23.54	ug/L		
78) Chlorobenzene	5.360	112	85761	23.80	ug/L		84
79) 1,1,1,2-Tetrachloroethane	5.406	131	30396	24.73	ug/L		97
80) m,p-Xylene	5.498	91	244833	46.39	ug/L		94
81) o-Xylene	5.798	91	125883	22.78	ug/L		90
82) Styrene	5.837	104	91168	22.88	ug/L		92
83) Bromoform	5.837	173	23564	25.58	ug/L		97
84) Isopropylbenzene	6.037	105	148374	22.80	ug/L		96
87) cis-1,4-Dichloro-2-butene	6.260	53	13007	27.14	ug/L	#	73
88) n-Propylbenzene	6.352	91	185288	21.99	ug/L		92
89) Bromobenzene	6.306	156	36446	22.81	ug/L	#	82
90) 1,1,2,2-Tetrachloroethane	6.368	83	41756	22.19	ug/L		96
91) 1,3,5-Trimethylbenzene	6.506	105	125583	21.94	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\07-05-2024\
Data File : 2A56571.D
Acq On : 5 Jul 2024 7:31 am
Operator : lianatr
Sample : CC1910-4
Misc : MS56968,V2A1921,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 05 07:44:45 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration

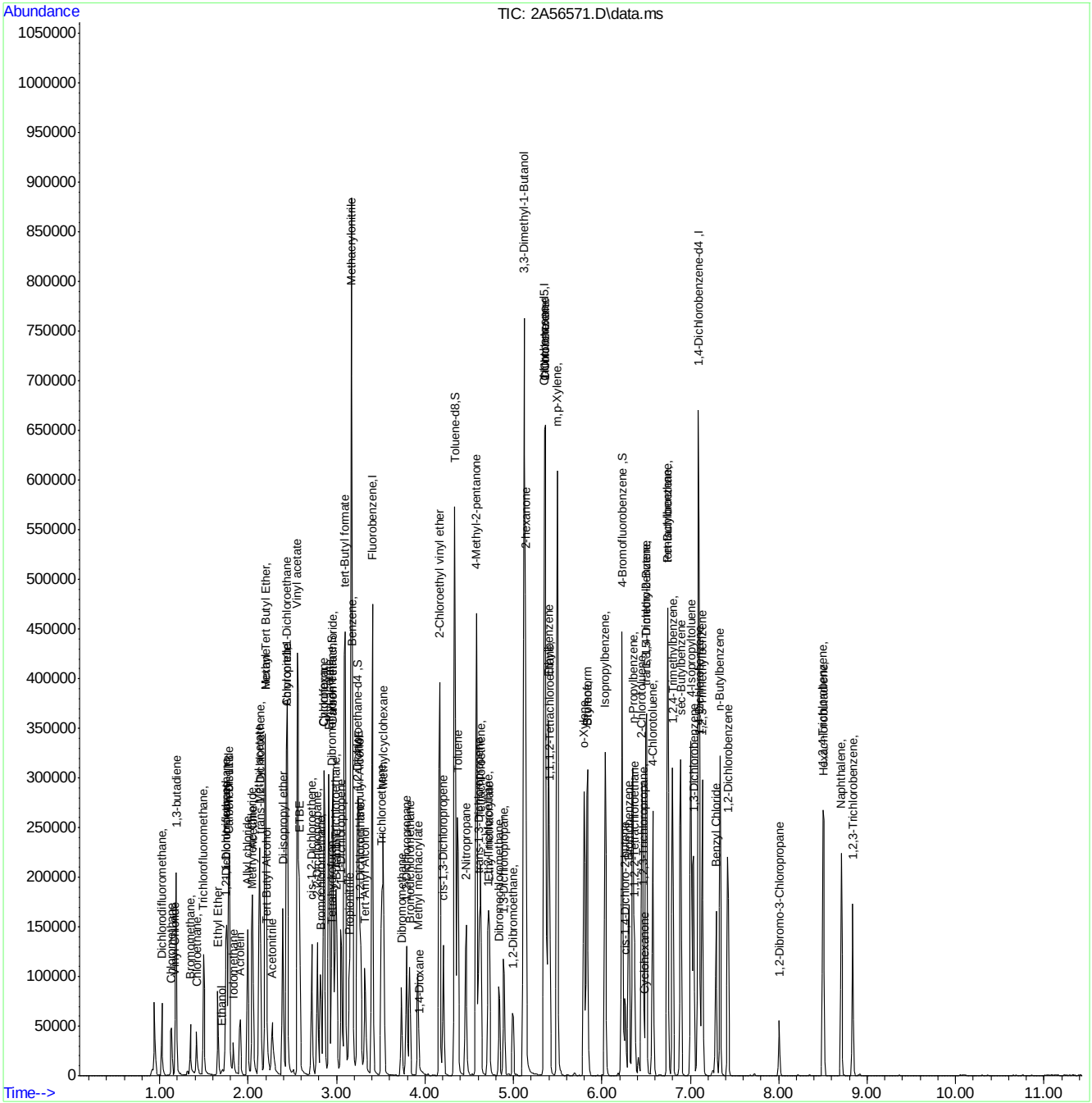
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92)	2-Chlorotoluene	6.452	91	103028	22.15	ug/L		93
93)	trans-1,4-Dichloro-2-B...	6.499	53	16064	26.51	ug/L	#	61
94)	1,2,3-Trichloropropane	6.468	110	11791	23.92	ug/L		76
95)	Cyclohexanone	6.483	55	6968	123.57	ug/L	#	84
96)	4-Chlorotoluene	6.576	91	110740	22.24	ug/L		87
97)	tert-Butylbenzene	6.745	91	75243	21.86	ug/L		84
98)	1,2,4-Trimethylbenzene	6.799	105	118451	22.13	ug/L		97
99)	Pentachloroethane	6.745	167	21467	24.89	ug/L	#	80
100)	sec-Butylbenzene	6.891	105	160764	22.18	ug/L		93
101)	4-Isopropyltoluene	7.007	119	135450	22.01	ug/L		93
102)	1,3-Dichlorobenzene	7.037	146	70999	22.84	ug/L		95
103)	1,2,3-Trimethylbenzene	7.137	105	120290	22.67	ug/L		97
104)	1,4-Dichlorobenzene	7.107	146	70417	22.65	ug/L		95
105)	n-Butylbenzene	7.338	92	62530	22.21	ug/L		93
106)	Benzyl Chloride	7.291	126	16425	23.78	ug/L	#	67
107)	1,2-Dichlorobenzene	7.422	146	64454	23.12	ug/L		90
108)	1,2-Dibromo-3-Chloropr...	8.007	75	8535	22.38	ug/L	#	58
109)	Hexachlorobutadiene	8.507	225	18165	23.00	ug/L		87
110)	1,2,4-Trichlorobenzene	8.500	180	38513	22.70	ug/L		95
111)	Naphthalene	8.707	128	103609	22.36	ug/L		99
112)	1,2,3-Trichlorobenzene	8.838	180	33885	22.34	ug/L		95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\07-05-2024\
Data File : 2A56571.D
Acq On : 5 Jul 2024 7:31 am
Operator : lianatr
Sample : CC1910-4
Misc : MS56968,V2A1921,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 05 07:44:45 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration



Manual Integration Approval Summary

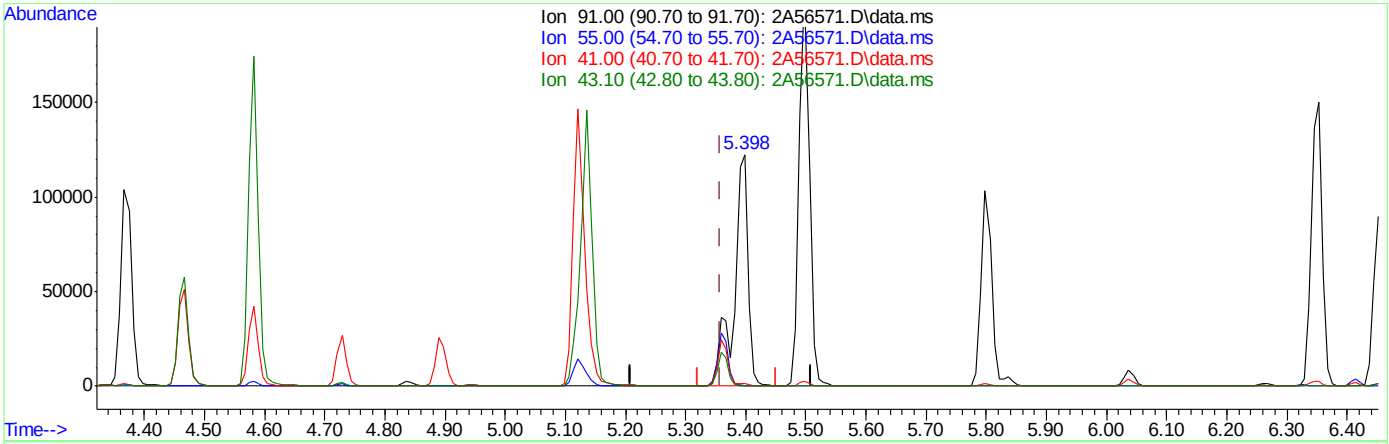
Sample Number: V2A1921-CC1910 **Method:** SW846 8260D
Lab FileID: 2A56571.D **Analyst approved:** 07/05/24 11:22 Liana Tortrodriguez
Injection Time: 07/05/24 07:31 **Supervisor approved:** 07/08/24 07:50 Neil Christiana

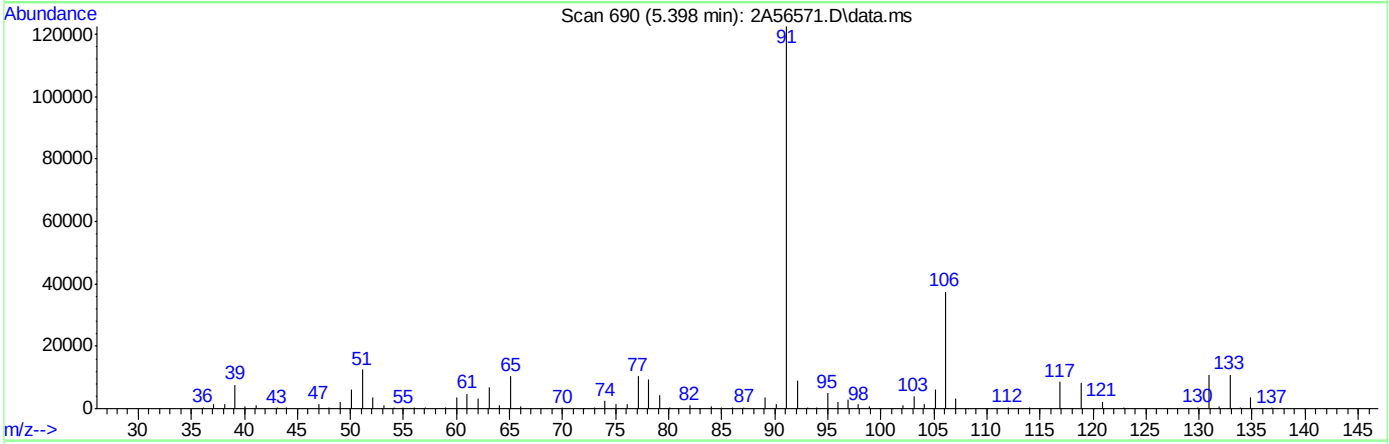
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		2.96	Poorly defined baseline
1-Chlorohexane	544-10-5		5.36	Poorly defined baseline
Ethylbenzene	100-41-4		5.40	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\07-05-2024\
Data File : 2A56571.D
Acq On : 5 Jul 2024 7:31 am
Operator : lianatr
Sample : CC1910-4
Misc : MS56968,V2A1921,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 05 07:42:44 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration





TIC: 2A56571.D\data.ms

(76) 1-Chlorohexane

5.398min (+0.039) 93.72ug/L

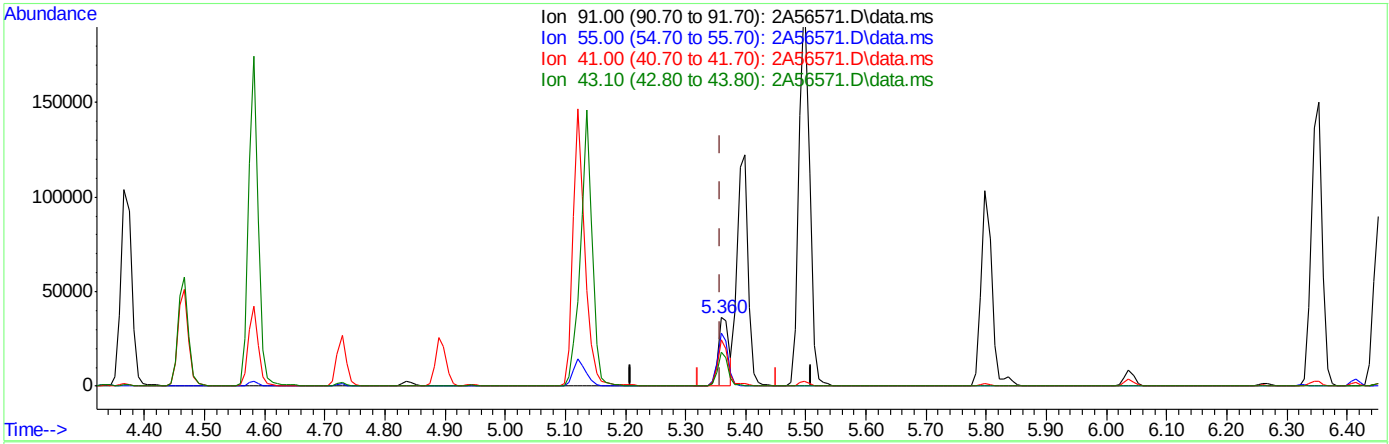
response 197768

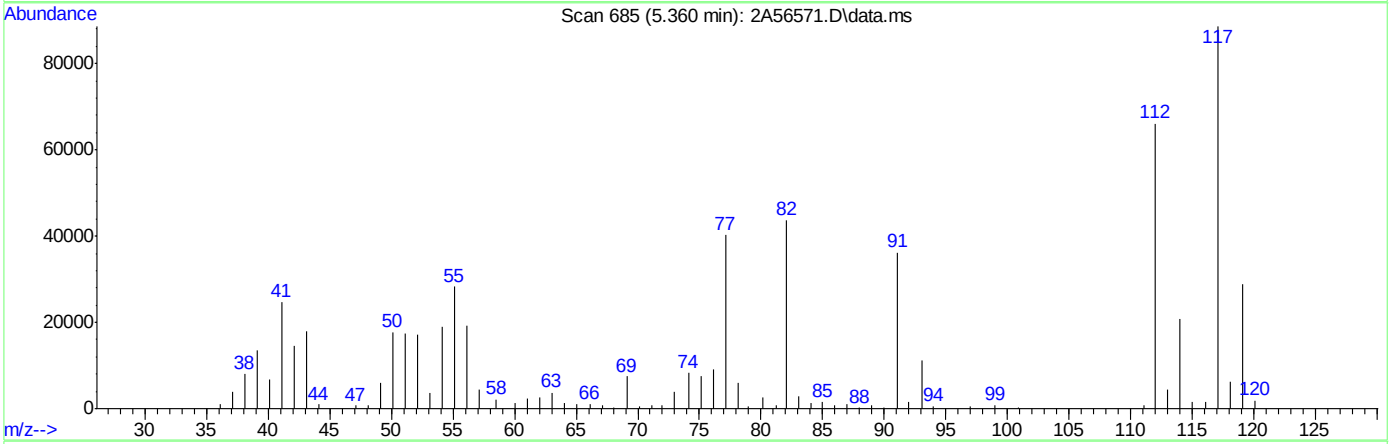
Ion	Exp%	Act%
91.00	100	100
55.00	58.90	0.22#
41.00	39.20	0.88#
43.10	33.20	0.26#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\07-05-2024\
Data File : 2A56571.D
Acq On : 5 Jul 2024 7:31 am
Operator : lianatr
Sample : CC1910-4
Misc : MS56968,V2A1921,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 05 07:42:44 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration





TIC: 2A56571.D\data.ms

(76) 1-Chlorohexane

5.360min (+0.001) 21.69ug/L m

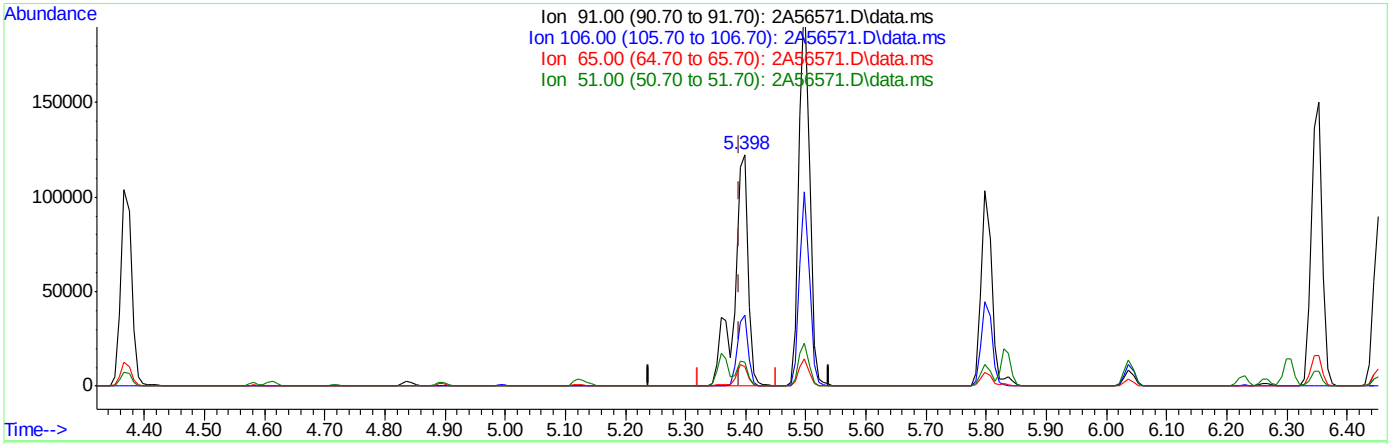
response 45765

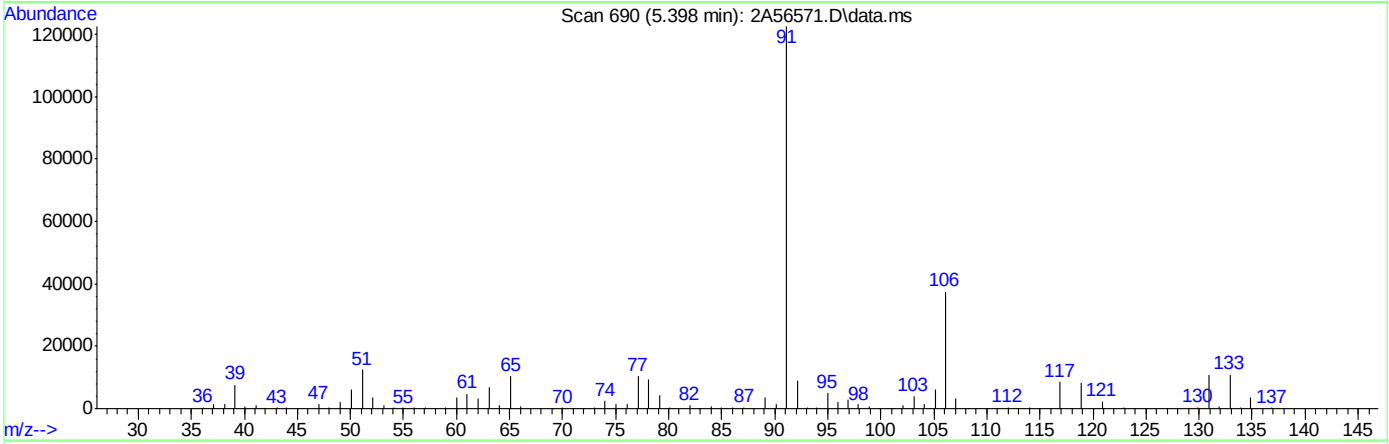
Ion	Exp%	Act%
91.00	100	100
55.00	58.90	78.06
41.00	39.20	68.27#
43.10	33.20	49.38

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\07-05-2024\
Data File : 2A56571.D
Acq On : 5 Jul 2024 7:31 am
Operator : lianatr
Sample : CC1910-4
Misc : MS56968,V2A1921,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 05 07:42:44 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration





TIC: 2A56571.D\data.ms

(77) Ethylbenzene

5.398min (+0.008) 30.64ug/L

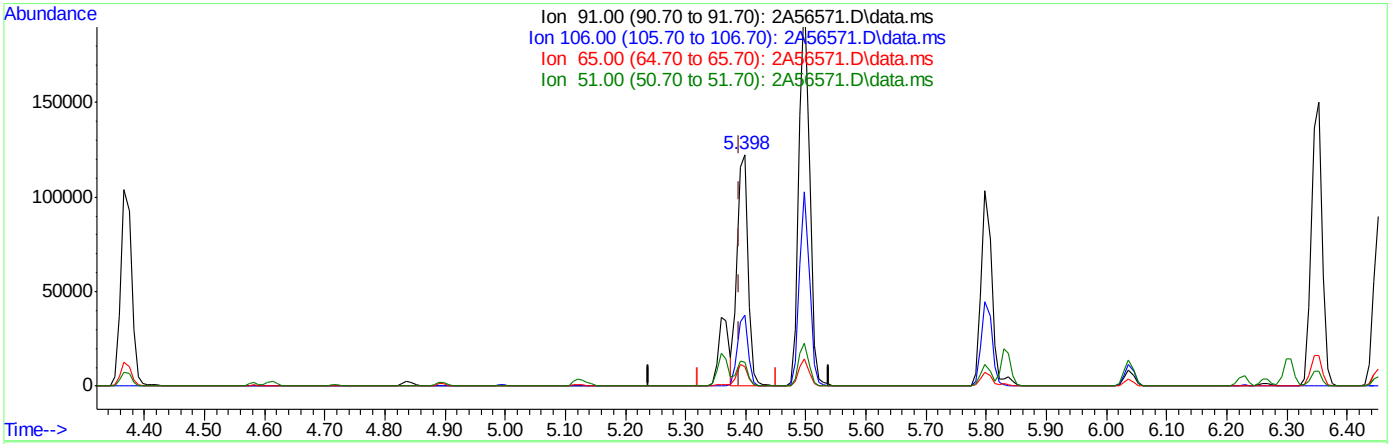
response 197768

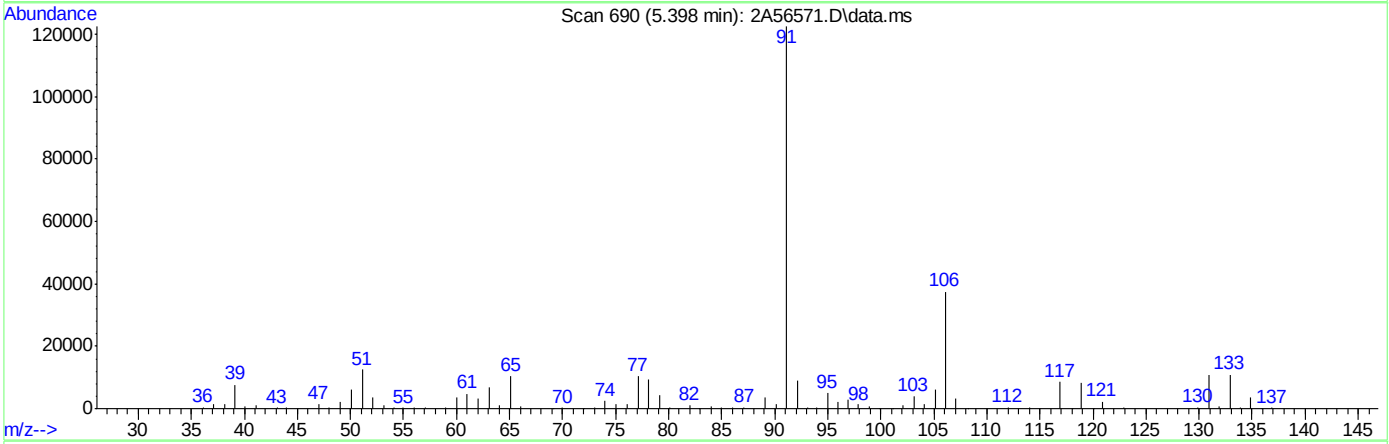
Ion	Exp%	Act%
91.00	100	100
106.00	34.30	30.54
65.00	7.10	8.58
51.00	7.10	10.13

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\07-05-2024\
Data File : 2A56571.D
Acq On : 5 Jul 2024 7:31 am
Operator : lianatr
Sample : CC1910-4
Misc : MS56968,V2A1921,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 05 07:42:44 2024
Quant Method : C:\msdchem\1\METHODS\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration





TIC: 2A56571.D\data.ms

(77) Ethylbenzene

5.398min (+0.008) 23.54ug/L m

response 151899

Ion	Exp%	Act%
91.00	100	100
106.00	34.30	30.54
65.00	7.10	8.58
51.00	7.10	10.13

Manual Integrations APPROVED (compounds with "m" flag)
Neil Christiana 07/08/24 07:50

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\7-8\V2A1921\V2A1921\
Data File : 2A56597.d
Acq On : 5 Jul 2024 6:00 pm
Operator : lianatr
Sample : ECC1910-4 Inst : MSVOA17
Misc : MS56977,V2A1921,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jul 08 05:01:47 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\7-8\V2A1921\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.405	96	252309	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.352	117	189079	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.091	152	116672	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	2.958	113	71778	49.27	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.54%			
49) 1,2-Dichloroethane-d4	3.235	65	89314	51.15	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 102.30%			
63) Toluene-d8	4.336	98	252373	49.24	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 98.48%			
86) 4-Bromofluorobenzene	6.229	174	90003	48.74	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.48%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.027	85	31866	25.5542	ug/L	98
3) Chloromethane	1.134	50	31948	22.2542	ug/L	98
4) 1,3-butadiene	1.188	39	35369	20.3820	ug/L #	78
5) Vinyl Chloride	1.180	62	31907	21.9852	ug/L	100
6) Bromomethane	1.350	94	15581	24.6988	ug/L	93
7) Chloroethane	1.419	64	19358	24.7579	ug/L	94
8) Trichlorofluoromethane	1.496	101	50254	26.0580	ug/L	98
9) Ethyl Ether	1.658	59	23684	23.0607	ug/L	89
10) Ethanol	1.711	45	9166	581.9132	ug/L	92
11) 1,2-Dichlorotrifluoroe...	1.750	67	35122	35.4232	ug/L	95
12) 1,1-Dichloroethene	1.765	61	44600	22.7401	ug/L	89
13) Freon 113	1.788	101	28689	24.7072	ug/L	89
14) Carbon Disulfide	1.788	76	80258	22.7627	ug/L	86
15) Iodomethane	1.835	142	20462	22.5300	ug/L	88
16) Acrolein	1.912	56	27853	115.5182	ug/L	98
17) Allyl chloride	1.996	41	42918	22.3841	ug/L	79
18) Methylene Chloride	2.042	49	42084	23.4605	ug/L #	69
19) Acetone	2.050	43	61554	121.4019	ug/L	78
20) Methyl acetate	2.127	43	146988	117.1345	ug/L	88
21) trans-1,2-Dichloroethene	2.142	61	41560	21.3350	ug/L	84
22) Hexane	2.196	56	28526	24.5749	ug/L #	78
23) Methyl Tert Butyl Ether	2.196	73	84512	23.9043	ug/L	79
24) Acetonitrile	2.273	41	42279	248.5322	ug/L	97
25) Tert Butyl Alcohol	2.212	59	58456	289.1671	ug/L	70
26) Di-isopropyl ether	2.396	45	89922	22.4946	ug/L	87
27) Chloroprene	2.443	53	124415	23.7523	ug/L	91
28) 1,1-Dichloroethane	2.443	63	54771	22.0120	ug/L	95
29) Acrylonitrile	2.443	52	76871	121.6479	ug/L	97
30) ETBE	2.581	59	91239	24.0915	ug/L	91
31) Vinyl acetate	2.558	43	363592	120.2430	ug/L	97
32) cis-1,2-Dichloroethene	2.720	96	30674	22.0467	ug/L #	73
33) 2,2-Dichloropropane	2.781	77	39462	19.6120	ug/L	95
34) Bromochloromethane	2.820	128	16476	23.5411	ug/L #	57
35) Cyclohexane	2.858	56	54562	23.6278	ug/L #	81
36) Chloroform	2.858	83	56018	24.3332	ug/L	92
37) Ethyl acetate	2.912	43	204297	123.2776	ug/L	90
38) Tetrahydrofuran	2.943	42	14012	23.7253	ug/L	81
40) Carbon Tetrachloride	2.958	117	44309m	23.0441	ug/L	
41) 1,1,1-Trichloroethane	2.989	97	49565	22.4598	ug/L	94
42) 2-Butanone	3.004	43	102347	124.0114	ug/L	83
43) 1,1-Dichloropropene	3.051	75	39449	22.6893	ug/L #	75
44) tert-Butyl formate	3.097	59	137010	132.5205	ug/L	93

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\7-8\V2A1921\V2A1921\
Data File : 2A56597.d
Acq On : 5 Jul 2024 6:00 pm
Operator : lianatr
Sample : ECC1910-4 Inst : MSVOA17
Misc : MS56977,V2A1921,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jul 08 05:01:47 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\7-8\V2A1921\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45)	Propionitrile	3.143	54	58429	247.3617	ug/L		99
46)	Methacrylonitrile	3.166	41	237866	255.9452	ug/L		94
47)	Benzene	3.181	78	113897	22.3245	ug/L		83
48)	TAME	3.251	73	81021	24.4797	ug/L		86
50)	1,2-Dichloroethane	3.274	62	45379	24.3384	ug/L		96
51)	Isobutyl Alcohol	3.258	43	68686	539.8028	ug/L		94
52)	Tert Amyl Alcohol	3.320	59	47663	295.2823	ug/L		93
53)	Trichloroethene	3.512	95	33400	22.9573	ug/L		91
54)	Methylcyclohexane	3.528	83	55502	24.6403	ug/L		82
55)	Dibromomethane	3.736	93	20739	23.5156	ug/L		91
56)	1,2-Dichloropropane	3.789	63	28830	21.8739	ug/L		88
57)	Bromodichloromethane	3.828	83	40919	22.1881	ug/L	#	95
58)	Methyl methacrylate	3.920	41	31958	25.7489	ug/L	#	68
59)	1,4-Dioxane	3.936	88	9595	754.2161	ug/L		80
60)	2-Chloroethyl vinyl ether	4.167	63	111580	124.0722	ug/L		84
61)	cis-1,3-Dichloropropene	4.205	75	44854	22.4213	ug/L		78
64)	Toluene	4.367	91	125005	22.0351	ug/L		98
65)	2-Nitropropane	4.467	41	59128	118.4570	ug/L		92
66)	4-Methyl-2-pentanone	4.582	43	197552	116.6981	ug/L		87
67)	trans-1,3-Dichloropropene	4.613	75	42998	22.9283	ug/L		79
68)	Tetrachloroethene	4.628	166	37978	25.8950	ug/L		94
69)	Ethyl methacrylate	4.728	69	37364	22.2381	ug/L	#	69
70)	1,1,2-Trichloroethane	4.713	83	23684	22.2239	ug/L		87
71)	Dibromochloromethane	4.836	129	31316	23.6697	ug/L		99
72)	1,3-Dichloropropane	4.890	76	44201	23.8472	ug/L		74
73)	1,2-Dibromoethane	4.990	107	30415	24.0332	ug/L		95
74)	3,3-Dimethyl-1-Butanol	5.121	57	270106	1294.7632	ug/L		94
75)	2-hexanone	5.136	43	200109	121.8692	ug/L		78
76)	1-Chlorohexane	5.360	91	43729m	20.3473	ug/L		
77)	Ethylbenzene	5.390	91	143938m	21.8998	ug/L		
78)	Chlorobenzene	5.360	112	82748	22.5452	ug/L		83
79)	1,1,1,2-Tetrachloroethane	5.406	131	29528	23.5892	ug/L		98
80)	m,p-Xylene	5.498	91	234104	43.5589	ug/L		93
81)	o-Xylene	5.798	91	121086	21.5142	ug/L		92
82)	Styrene	5.837	104	87802	21.6331	ug/L		90
83)	Bromoform	5.837	173	22338	23.8092	ug/L		97
84)	Isopropylbenzene	6.037	105	143973	21.7197	ug/L		96
87)	cis-1,4-Dichloro-2-butene	6.260	53	11425	23.3506	ug/L	#	71
88)	n-Propylbenzene	6.352	91	177458	20.6249	ug/L		92
89)	Bromobenzene	6.306	156	35979	22.0501	ug/L	#	81
90)	1,1,2,2-Tetrachloroethane	6.368	83	41179	21.4354	ug/L		97
91)	1,3,5-Trimethylbenzene	6.499	105	123263	21.0948	ug/L		94
92)	2-Chlorotoluene	6.452	91	99729	21.0003	ug/L		94
93)	trans-1,4-Dichloro-2-B...	6.499	53	14585	23.5726	ug/L	#	64
94)	1,2,3-Trichloropropane	6.468	110	12212	24.2672	ug/L		77
95)	Cyclohexanone	6.483	55	8463	146.9834	ug/L	#	79
96)	4-Chlorotoluene	6.576	91	107602	21.1612	ug/L		89
97)	tert-Butylbenzene	6.745	91	75353	21.4381	ug/L		85
98)	1,2,4-Trimethylbenzene	6.799	105	116799	21.3675	ug/L		96
99)	Pentachloroethane	6.745	167	18393	20.8887	ug/L	#	49
100)	sec-Butylbenzene	6.891	105	160586	21.6987	ug/L		95
101)	4-Isopropyltoluene	7.007	119	137788	21.9251	ug/L		95
102)	1,3-Dichlorobenzene	7.037	146	70117	22.0935	ug/L		94
103)	1,2,3-Trimethylbenzene	7.137	105	122251	22.5658	ug/L		96
104)	1,4-Dichlorobenzene	7.107	146	70166	22.1029	ug/L		95
105)	n-Butylbenzene	7.338	92	63001	21.9188	ug/L		95
106)	Benzyl Chloride	7.291	126	12830	18.1890	ug/L	#	73
107)	1,2-Dichlorobenzene	7.422	146	63810	22.4147	ug/L		91

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\7-8\V2A1921\V2A1921\
Data File : 2A56597.d
Acq On : 5 Jul 2024 6:00 pm
Operator : lianatr
Sample : ECC1910-4 Inst : MSVOA17
Misc : MS56977,V2A1921,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jul 08 05:01:47 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\7-8\V2A1921\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration

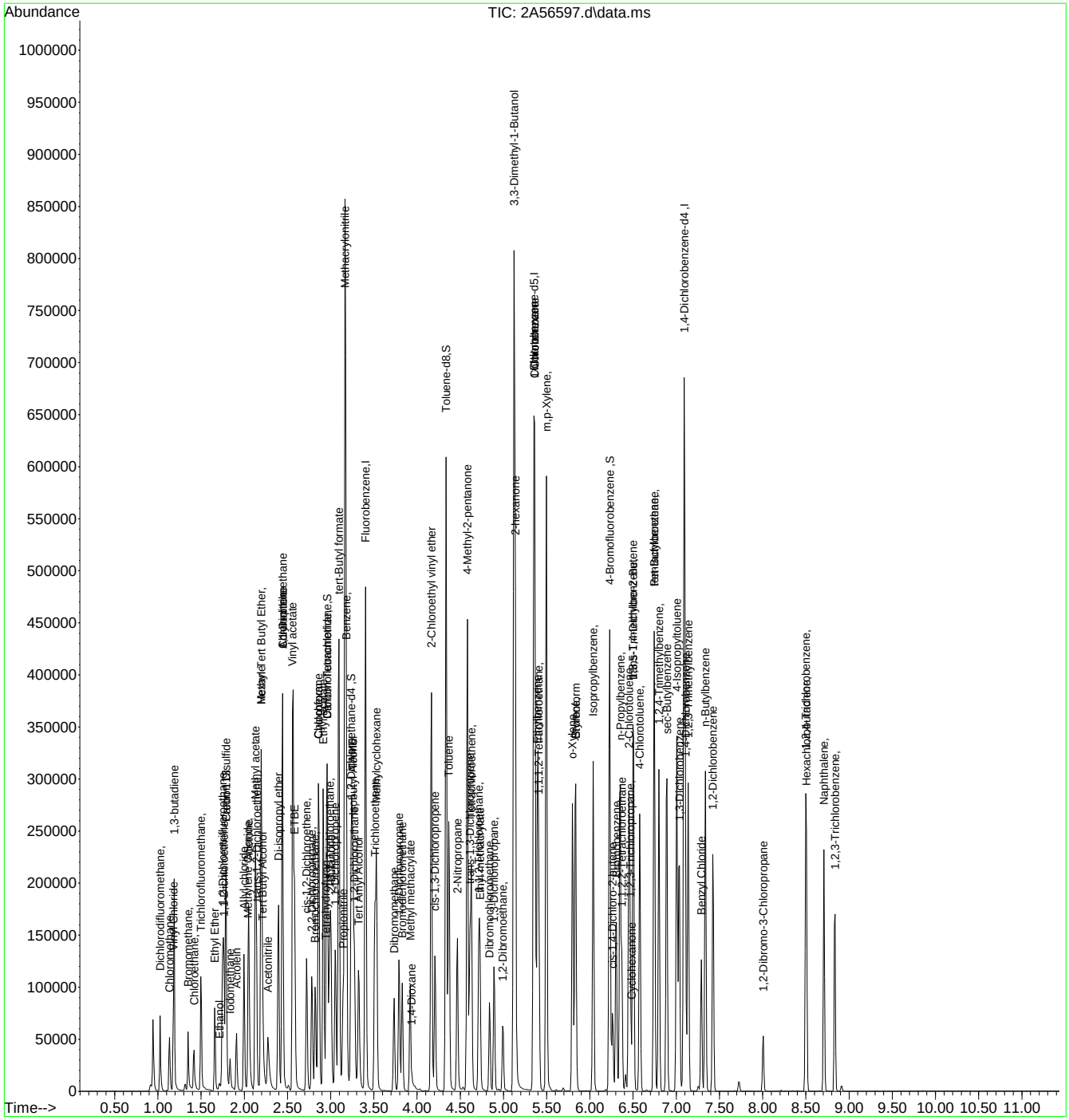
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) 1,2-Dibromo-3-Chloropr...	8.007	75	8836	22.6869	ug/L #	58
109) Hexachlorobutadiene	8.507	225	19022	23.5879	ug/L	88
110) 1,2,4-Trichlorobenzene	8.500	180	40417	23.3342	ug/L	97
111) Naphthalene	8.707	128	106912	22.5944	ug/L	100
112) 1,2,3-Trichlorobenzene	8.838	180	36482	23.5607	ug/L	95

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

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\7-8\V2A1921\V2A1921\
Data File : 2A56597.d
Acq On : 5 Jul 2024 6:00 pm
Operator : lianatr
Sample : ECC1910-4 Inst : MSVOA17
Misc : MS56977,V2A1921,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jul 08 05:01:47 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\7-8\V2A1921\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration



Manual Integration Approval Summary

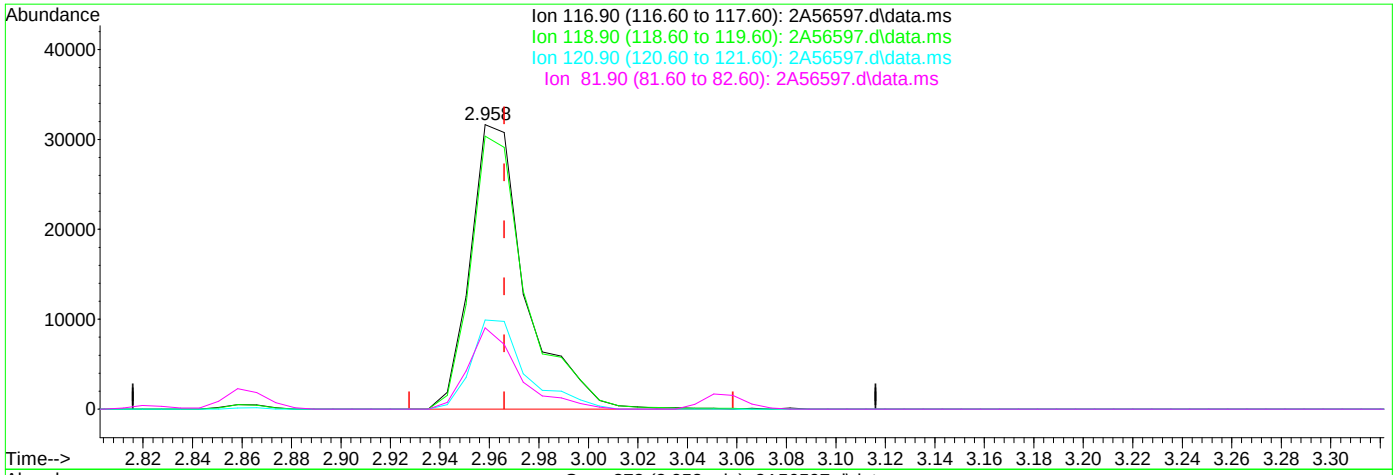
Sample Number: V2A1921-ECC1910 **Method:** SW846 8260D
Lab FileID: 2A56597.D **Analyst approved:** 07/08/24 01:04 Lotus Acosta
Injection Time: 07/05/24 18:00 **Supervisor approved:** 07/08/24 07:50 Neil Christiana

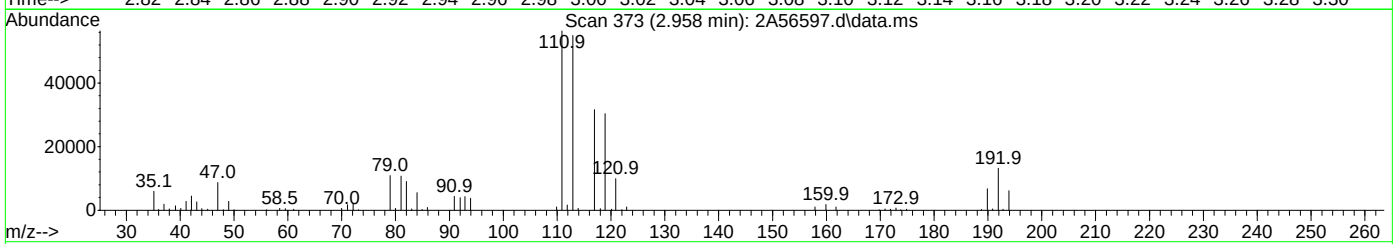
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		2.96	Overlapping peak
1-Chlorohexane	544-10-5		5.36	Overlapping peak
Ethylbenzene	100-41-4		5.39	Overlapping peak

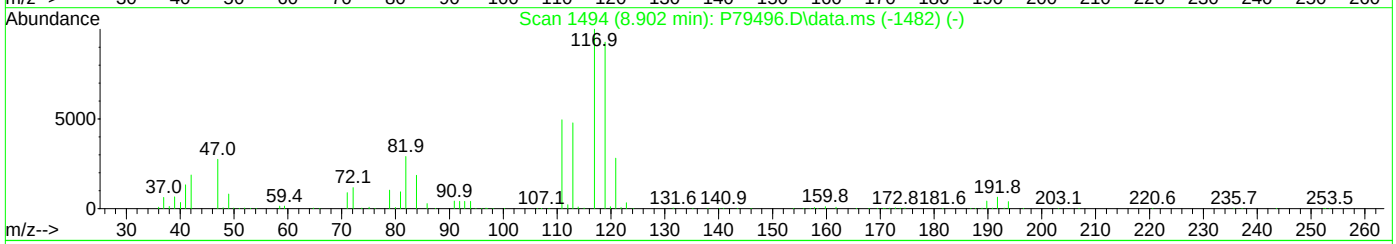
Quantitation Report (Qedit)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\7-8\V2A1921\V2A1921\
Data File : 2A56597.d
Acq On : 5 Jul 2024 6:00 pm
Operator : lianatr
Sample : ECC1910-4 Inst : MSVOA17
Misc : MS56977,V2A1921,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jul 08 04:41:43 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\7-8\V2A1921\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration







TIC: 2A56597.d\data.ms

(40) Carbon Tetrachloride ( )

2.958min (-0.008) 25.73ug/L

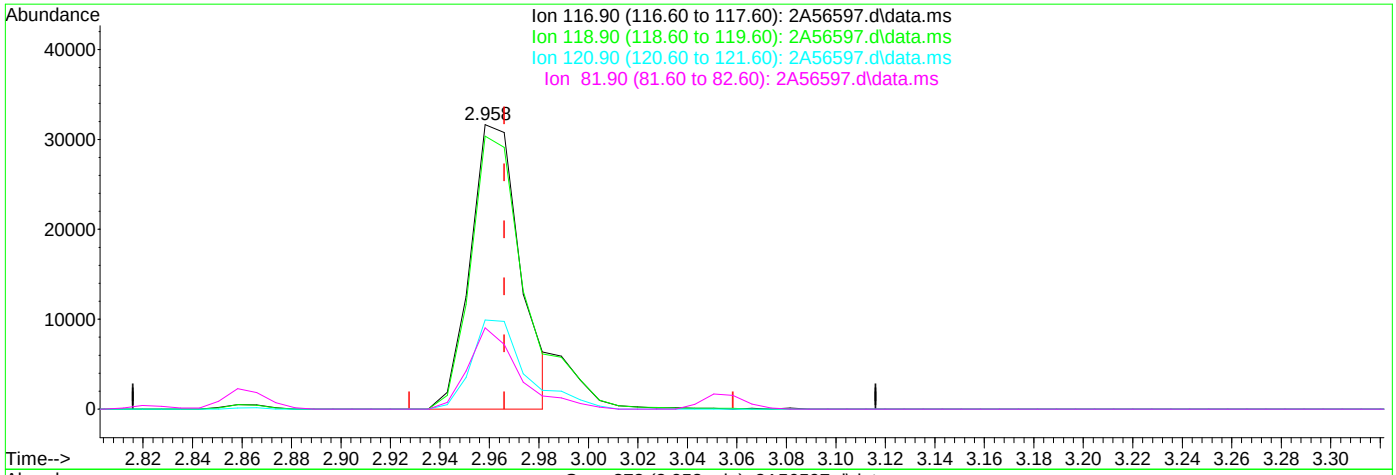
response 49480

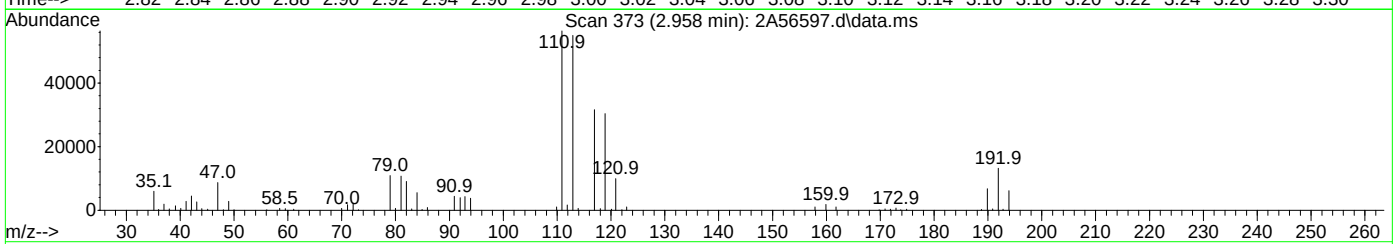
Ion	Exp%	Act%
116.90	100	100
118.90	96.30	96.01
120.90	31.00	31.34
81.90	19.00	28.57

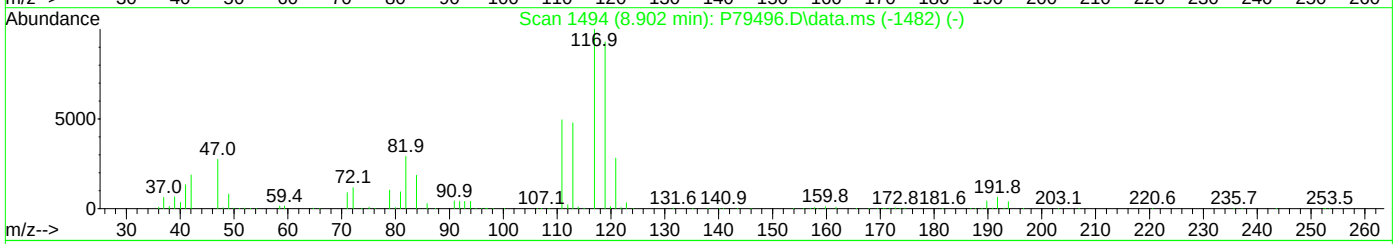
Quantitation Report (Qedit)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\7-8\V2A1921\V2A1921\
Data File : 2A56597.d
Acq On : 5 Jul 2024 6:00 pm
Operator : lianatr
Sample : ECC1910-4 Inst : MSVOA17
Misc : MS56977,V2A1921,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jul 08 04:41:43 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\7-8\V2A1921\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration







TIC: 2A56597.d\data.ms

(40) Carbon Tetrachloride ( )

2.958min (-0.008) 23.04ug/L m

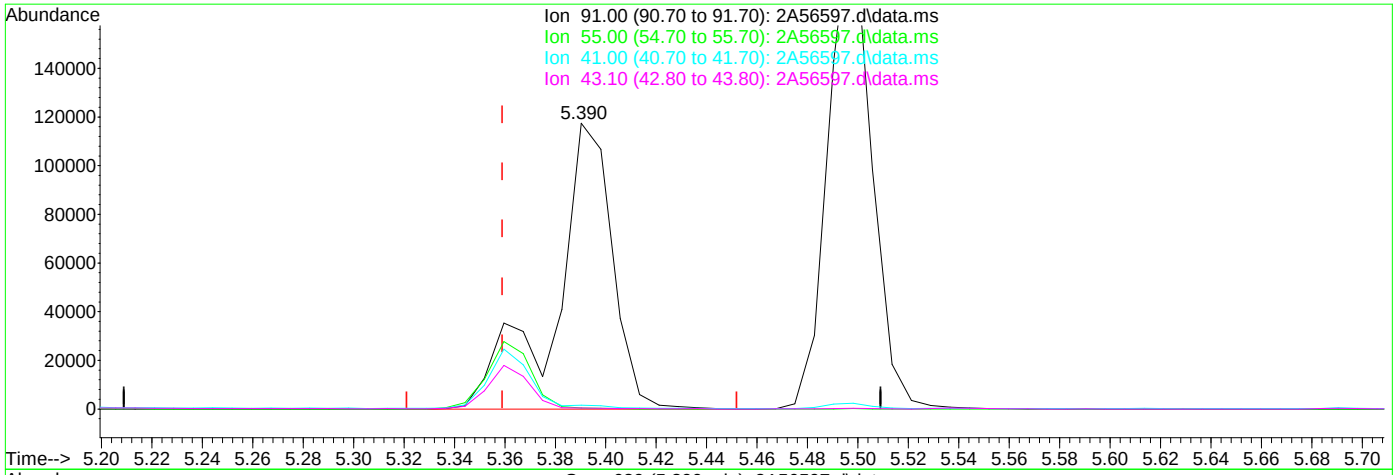
response 44309

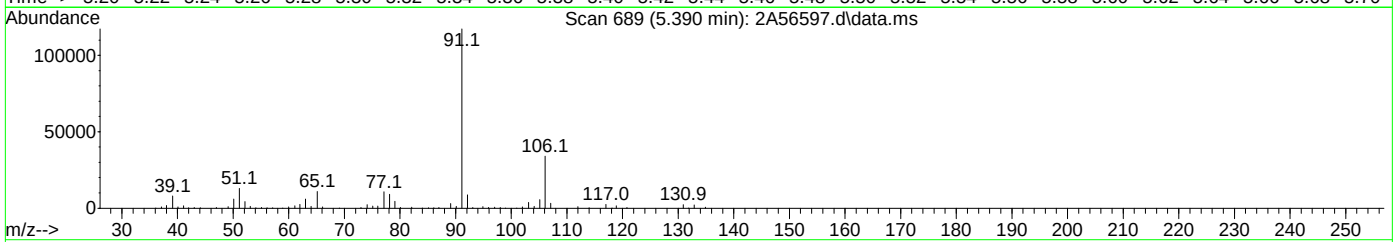
Ion	Exp%	Act%
116.90	100	100
118.90	96.30	96.01
120.90	31.00	31.34
81.90	19.00	28.57

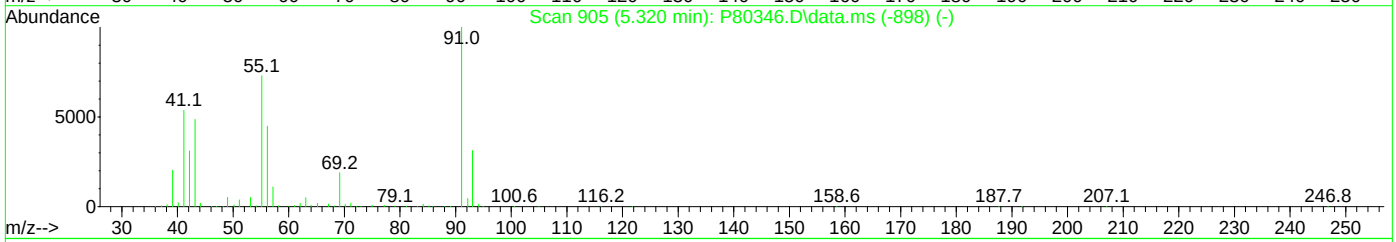
Quantitation Report (Qedit)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\7-8\V2A1921\V2A1921\
Data File : 2A56597.d
Acq On : 5 Jul 2024 6:00 pm
Operator : lianatr
Sample : ECC1910-4 Inst : MSVOA17
Misc : MS56977,V2A1921,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jul 08 04:41:43 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\7-8\V2A1921\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration







TIC: 2A56597.d\data.ms

(76) 1-Chlorohexane

5.390min (+0.031) 87.33ug/L

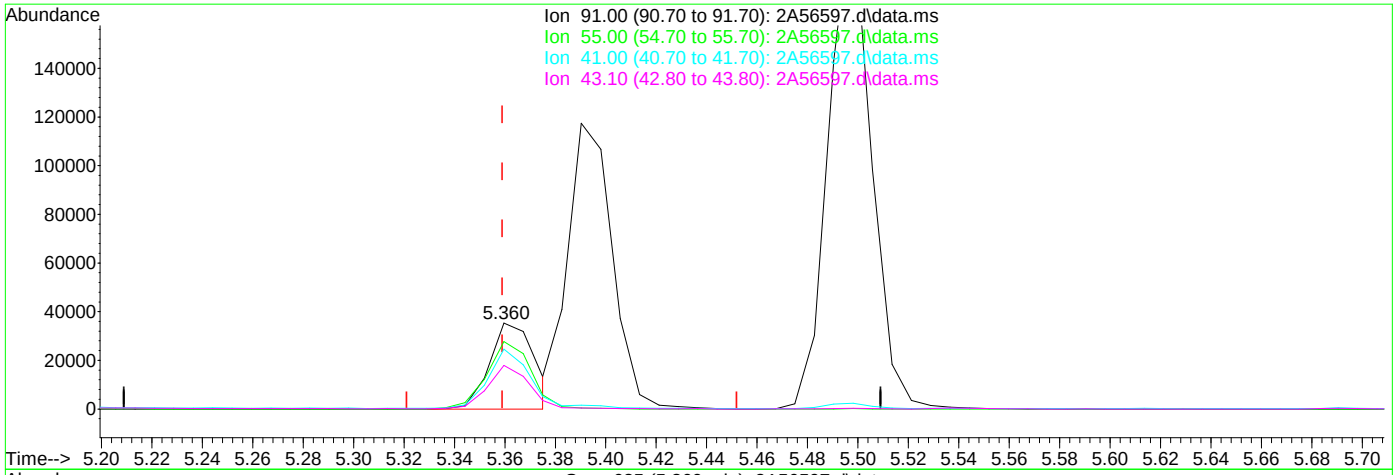
response 187680

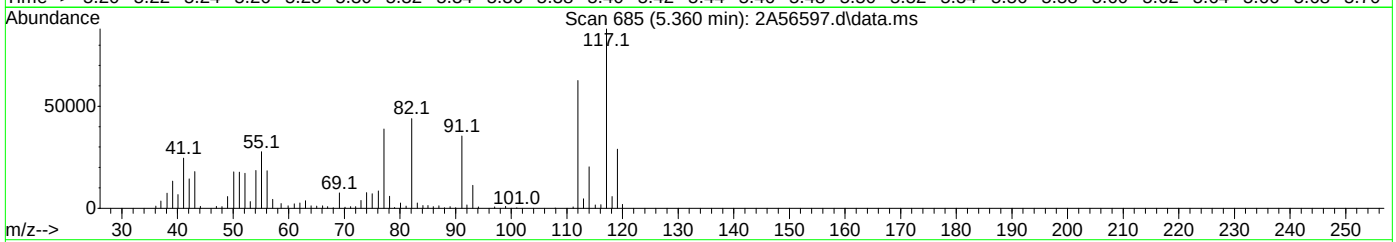
Ion	Exp%	Act%
91.00	100	100
55.00	58.90	0.40#
41.00	39.20	1.20#
43.10	33.20	0.34#

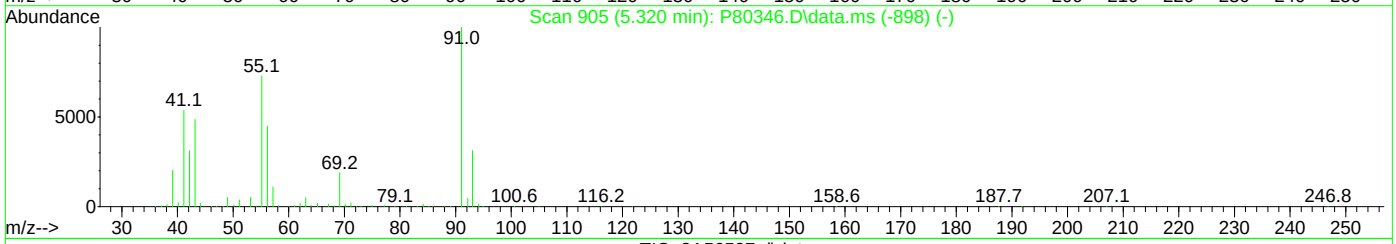
Quantitation Report (Qedit)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\7-8\V2A1921\V2A1921\
Data File : 2A56597.d
Acq On : 5 Jul 2024 6:00 pm
Operator : lianatr
Sample : ECC1910-4 Inst : MSVOA17
Misc : MS56977,V2A1921,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jul 08 04:41:43 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\7-8\V2A1921\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration







TIC: 2A56597.d\data.ms

(76) 1-Chlorohexane

5.360min (+0.001) 20.35ug/L m

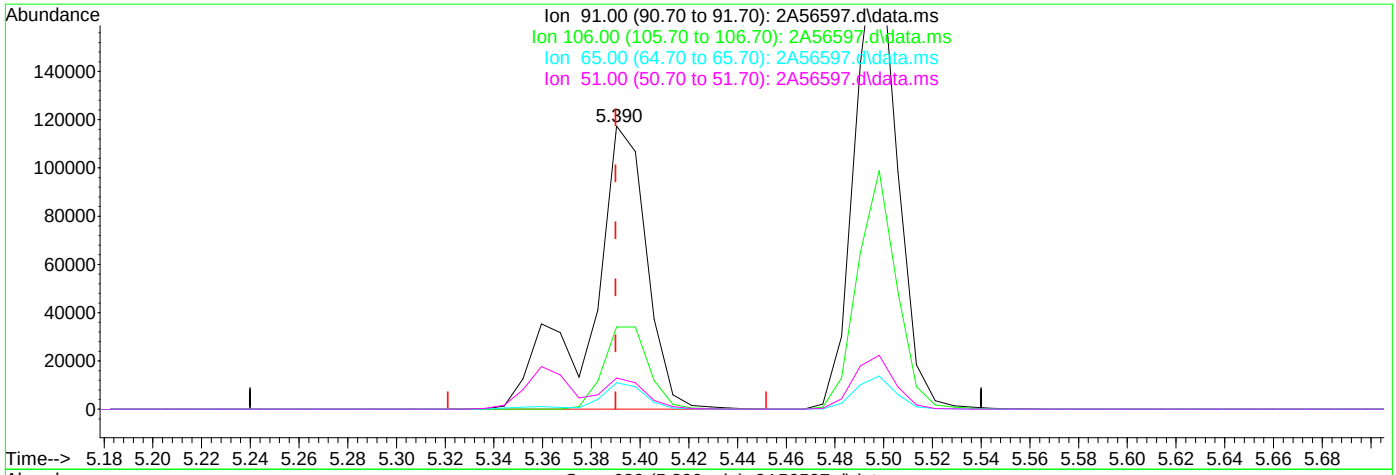
response 43729

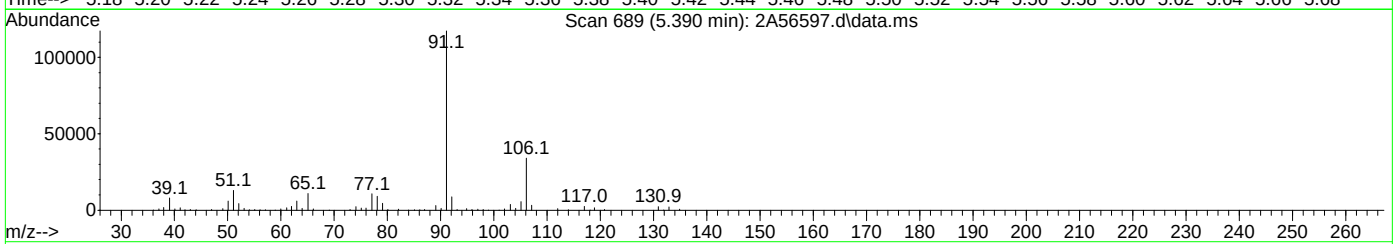
Ion	Exp%	Act%
91.00	100	100
55.00	58.90	78.33
41.00	39.20	69.59#
43.10	33.20	50.61

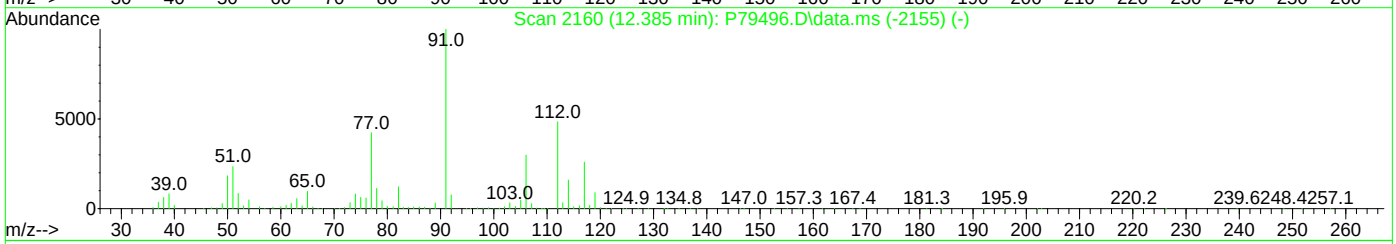
Quantitation Report (Qedit)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\7-8\V2A1921\V2A1921\
Data File : 2A56597.d
Acq On : 5 Jul 2024 6:00 pm
Operator : lianatr
Sample : ECC1910-4 Inst : MSVOA17
Misc : MS56977,V2A1921,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jul 08 04:41:43 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\7-8\V2A1921\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration







TIC: 2A56597.d\data.ms

(77) Ethylbenzene

5.390min (+0.000) 28.55ug/L

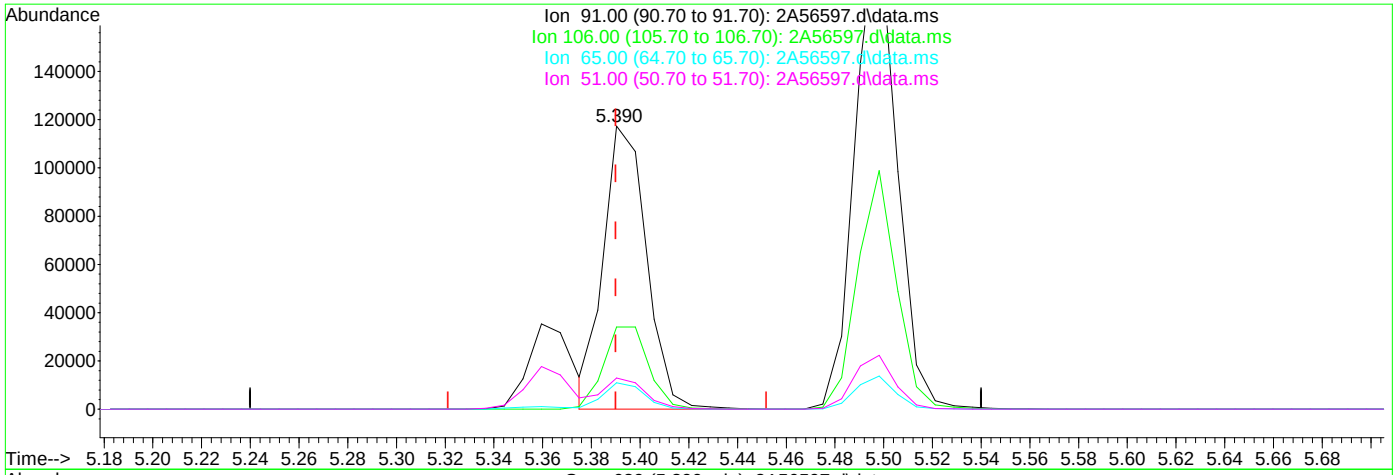
response 187680

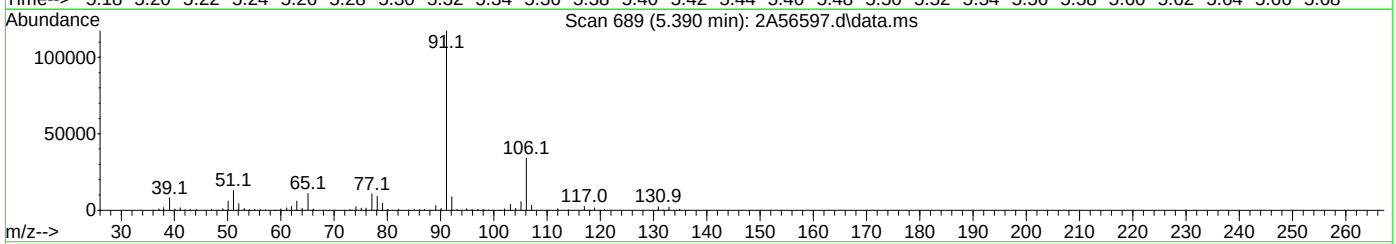
Ion	Exp%	Act%
91.00	100	100
106.00	34.30	29.07
65.00	7.10	9.38
51.00	7.10	11.04

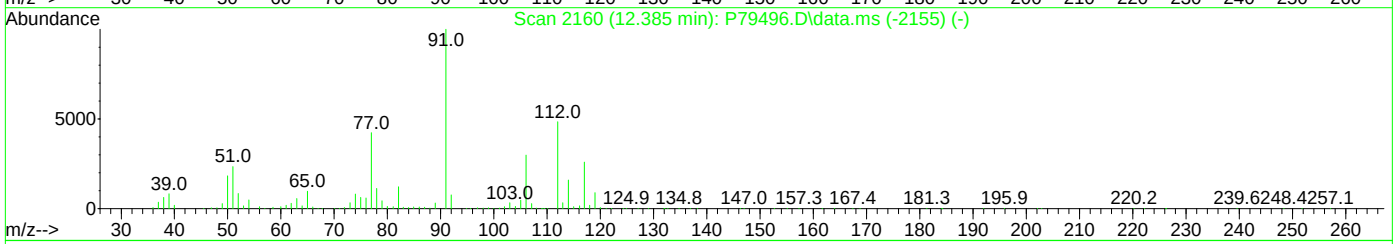
Quantitation Report (Qedit)

Data Path : R:\GBS Manila Data Validator\LotusA\July-2024\7-8\V2A1921\V2A1921\
Data File : 2A56597.d
Acq On : 5 Jul 2024 6:00 pm
Operator : lianatr
Sample : ECC1910-4 Inst : MSVOA17
Misc : MS56977,V2A1921,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jul 08 04:41:43 2024
Quant Method : R:\GBS Manila Data Validator\LotusA\July-2024\7-8\V2A1921\METHOD\V2A1910_06252024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Jun 25 13:23:01 2024
Response via : Initial Calibration







TIC: 2A56597.d\data.ms

(77) Ethylbenzene

5.390min (+0.000) 21.90ug/L m

response 143938

Ion	Exp%	Act%
91.00	100	100
106.00	34.30	29.07
65.00	7.10	9.38
51.00	7.10	11.04

SGS -ORLANDO

VOA-GCMS ANALYSIS LOG

Instrument:	MSVOA17-1A
Date:	06/25/2024
Analyst:	Jenifer W
Column Type	RTXVMS
Detector	5975C-MSD
Purge Pressure	1.4 psi
Purge Volume	5mL

Method(s):	VMS8260
Method File:	V2A1910_06252024.M
Calibration Date:	06/25/2024
Acq. Method:	VA_8260.M
EM Voltage:	1576V
Run ID:	**V2A1910**

BFB:	VS4022
ICAL/CC:	VS4004, VS4045, VS4031
VS4032, VS4029, VS4028,VS4033,,	
ICV/BS:	VS4021, VS4020, VS4027
VS4038, VS4039, VS4034,	
ISTD/Surr.:	VS4022

pH Paper Lot#:	230320A/211623A
KI Paper Lot#:	14-860 03/13/23
AFA Lot#:	VS3860
Data processed by:	Jenifer W
Sample ID Ver. by:	Jenifer W
Date Verified:	06/25/2024

Data File	Sample ID	Dilution Factor	Vial #	Matrix	A.S. Pos.	Work Group	pH	CI? (Y/N)	RR	Comments and Manually Integrated Peaks (Peak # and Rational)
2A56264	BFB	-	-	Water	51	-	-	-	-	Autofind Tune Passed✓
2A56266	IC1910-1	-	-	Water	52	-	-	-	-	1uL→100mL OP#40 PBL#76,77 MP#15,59,87,94,95,104,106,108
2A56268	IC1910-8	-	-	Water	53	-	-	-	-	2uL→100mL OP#40 PBL#76,77 MP#36,59,94,104,106,108
2A56270	IC1910-2	-	-	Water	54	-	-	-	-	5uL→100mL OP#40 PBL#10,76,77
2A56272	IC1910-3	-	-	Water	55	-	-	-	-	10uL→100mL OP#40 PBL#10,76,77
2A56274	IC1910-4	-	-	Water	56	-	-	-	-	25uL→100mL OP#40 PBL #76,77
2A56276	ICC1910-5	-	-	Water	57	-	-	-	-	40uL→100mL OP#40 PBL #76,77
2A56278	IC1910-6	-	-	Water	58	-	-	-	-	70uL→100mL OP#40 PBL #76,77
2A56280	IC1910-7	-	-	Water	59	-	-	-	-	100uL→100mL OP#40 PBL #76,77
2A56282	rinse	-	-	Water	60	-	-	-	-	
2A56284	ICV1910-5	-	-	Water	61	-	-	-	-	40uL→100mL OP#40 PBL #76,77
2A56286	BS	-	-	Water	62	-	-	-	-	25uL→100mL OP#40 PBL #76,77
2A56287	rinse	-	-	Water	63	-	-	-	-	
2A56288	MB	-	-	Water	64	-	-	-	-	AFA, ND✓
2A56290	FC16589-2	-	12	Water	65	MS56910	1	N	-	DCFM only; PBL#77 ✓
2A56291	FC16485-13	-	5	Water	66	MS56910	1	N	-	TCFM only ✓
2A56292	FC16447-2	-	2	Water	67	MS56910	1	N	-	✓
2A56293	FC16447-23	-	3	Water	68	MS56910	1	N	-	CH only ✓
2A56294	FC16443-6	-	1	Water	69	MS56910	1	N	-	✓
2A56295	FC16589-2MS	-	1	Water	70	MS56910	1	N	-	spike 10uL→40mL OP#40,76,77 ✓
2A56296	FC16589-2MSD	-	14	Water	71	MS56910	1	N	-	spike 10uL→40mL OP#40,76,77 ✓
2A56297	ECC1910-4	-	-	Water	72	-	-	-	-	25uL→100mL OP#40,76,77 ✓

Matrix: Designate "W" for Water "S" for soil, "O" for Oil, "Liq" for Non-aquous LIquid, and "TCLP" or "SPLP" for Leachate
Manual Integration Rational SOP QA029: MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PII Poor Instrument

SGS -ORLANDO **VOA-GCMS ANALYSIS LOG**

Instrument:	MSVOA17-1A
Date:	06/28/2024
Analyst:	Liana T
Column Type	RTXVMS
Detector	5975C-MSD
Purge Pressure	1.4 psi
Purge Volume	5mL

Method(s):	VMS8260
Method File:	V2A1910_06252024.M
Calibration Date:	06/25/2024
Acq. Method:	VA_8260.M
EM Voltage:	1576V
Run ID:	**V2A1914**

BFB:	VS4022
ICAL/CC:	VS4004, VS4045, VS4031
VS4032, VS4056, VS4057,VS4052,,	
ICV/BS:	VS4054, VS4020, VS4058
VS4038, VS4039, VS4053,	
ISTD/Surr.:	VS4022

pH Paper Lot#:	230320A/211623A
KI Paper Lot#:	14-860 03/13/23
AFA Lot#:	VS3860
Data processed by:	LotusA
Sample ID Ver. by:	Liana T
Date Verified:	06/28/2024

Data File	Sample ID	Dilution Factor	Vial #	Matrix	A.S. Pos.	Work Group	pH	CI? (Y/N)	RR	Comments and Manually Integrated Peaks (Peak # and Rational)
2A56381	BFB	-	-	Water	1	-	-	-	-	Autofind Tune Passed✓
2A56382	CC1910-4	-	-	Water	2	-	-	-	-	25uL→100mL OP#40,76,77 ✓
2A56383	BS	-	-	Water	3	-	-	-	-	25uL→100mL PBL#76,77 OP#40 ✓
2A56384	rinse	-	-	Water	4	-	-	-	-	
2A56385	MB	-	-	Water	5	-	-	-	-	AFA, ND✓
2A56386	FC16676-1	-	1	Water	6	MS56930	1	N	-	ND ✓
2A56387	FC16676-2	-	1	Water	7	MS56930	1	N	-	AFA, ND✓
2A56388	FC16676-3	-	1	Water	8	MS56930	1	N	-	ND ✓
2A56389	FC16676-4	-	1	Water	9	MS56930	1	N	-	ND ✓
2A56390	**FC16676-5**	**10X**	**1**	**Water**	**10**	**MS56930**	1	N	**2X**	**5mL(-)50mL ✓ O/D**
2A56391	FC16676-6	-	1	Water	11	MS56930	1	N	-	✓
2A56392	FC16676-7	-	1	Water	12	MS56930	1	N	-	✓
2A56393	FC16681-1	-	1	Water	13	MS56930	1	N	-	✓
2A56394	FC16681-2	-	1	Water	14	MS56930	1	N	-	ND ✓
2A56395	**FC16681-3**	**-**	**1**	**Water**	**15**	**MS56930**	1	N	**2X**	**✓ CIS12 O/R**
2A56396	FC16681-4	-	1	Water	16	MS56930	1	N	-	ND ✓
2A56397	FC16676-8	-	1	Water	17	MS56930	1	N	-	✓
2A56398	FC16676-9	-	1	Water	18	MS56930	1	N	-	ND ✓
2A56399	FC16676-10	-	1	Water	19	MS56930	1	N	-	ND ✓
2A56400	FC16676-11	-	1	Water	20	MS56930	1	N	-	ND ✓
2A56401	FC16676-12	-	1	Water	21	MS56930	1	N	-	✓
2A56402	FC16676-13	-	1	Water	22	MS56930	1	N	-	✓
2A56403	FC16676-14	-	1	Water	23	MS56930	1	N	-	✓
2A56404	FC16676-15	-	1	Water	24	MS56930	1	N	-	ND ✓
2A56405	FC16676-9MS	-	2	Water	25	MS56930	1	N	-	✓
2A56406	FC16676-9MSD	-	3	Water	26	MS56930	1	N	-	✓
2A56407	ECC1910-4	-	-	Water	27	MS56930	-	-	-	25uL→100mL OP#40,76,77

Matrix: Designate "W" for Water "S" for soil, "O" for Oil, "Liq" for Non-aquous Liquid, and "TCLP" or "SPLP" for Leachate
Manual Integration Rational SOP QA029: MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PII Poor Instrument

SGS -ORLANDO

VOA-GCMS ANALYSIS LOG

Instrument:	MSVOA17-1A
Date:	07/05/2024
Analyst:	Liana T
Column Type	RTXVMS
Detector	5975C-MSD
Purge Pressure	1.4 psi
Purge Volume	5mL

Method(s):	VMS8260
Method File:	V2A1910_06252024.M
Calibration Date:	06/25/2024
Acq. Method:	VA_8260.M
EM Voltage:	1576V
Run ID:	**V2A1921**

BFB:	VS4022
ICAL/CC:	VS4066, VS4045, VS4064
VS4032, VS4067, VS4057,VS4062,	
ICV/BS:	VS4054, VS4020, VS4058
VS4038, VS4039, VS4063,	
ISTD/Surr.:	VS4022

pH Paper Lot#:	230320A/21
KI Paper Lot#:	14-860 03/3
AFA Lot#:	VS3860
Data processed by:	Liana T/L
Sample ID Ver. by:	Liana
Date Verified:	07/05/202

V2A1921

Data File	Sample ID	Dilution Factor	Vial #	Matrix	A.S. Pos.	Work Group	pH	CI? (Y/N)	RR	Comments and Manually Integrated Peaks (Peak # and Rational)
2A56570	BFB	-	-	Water	1	-	-	-	-	Autofind Tune Passed✓
2A56571	CC1910-4	-	-	Water	2	-	-	-	-	25uL→100mL OP#40,76,77 ✓
2A56572	BS	-	-	Water	3	-	-	-	-	25uL→100mL OP#40,76,77 ✓
2A56573	rinse	-	-	Water	4	-	-	-	-	
2A56574	MB	-	-	Water	5	-	-	-	-	AFA, ND✓
2A56575	FC16907-3	-	4	Water	6	MS56977	7	N	-	ND ✓
2A56576	FC16907-1	-	2	Water	7	MS56977	7	N	-	✓
2A56577	FC16907-2	-	2	Water	8	MS56977	7	N	-	ND ✓
2A56578	FC16907-4	-	2	Water	9	MS56977	7	N	-	✓
2A56579	FC16907-5	-	1	Water	10	MS56977	7	N	-	✓
2A56580	FC16907-6	-	1	Water	11	MS56977	7	N	-	ND ✓
2A56581	FC16907-7	-	1	Water	12	MS56977	7	N	-	ND ✓
2A56582	FC16907-8	-	2	Water	13	MS56977	1	N	-	ND ✓
2A56583	FC16676-5	2X	1	Water	14	MS56977	1	N	-	25mL(-)50mL, BS HIT ✓
2A56584	FC16758-1	2X	1	Water	15	MS56977	1	N	-	25mL(-)50mL ✓
2A56585	FC16794-3	20X	1	Water	16	MS56977	1	N	-	2.5mL(-)50mL ✓
2A56586	FC16923-1	-	2	Water	17	MS56977	7	N	-	ND ✓
2A56587	FC16923-2	-	1	Water	18	MS56977	7	N	-	✓
2A56588	FC16923-3	5X	1	Water	19	MS56977	7	N	-	10mL(-)50mL ✓
2A56589	FC16923-4	5X	1	Water	20	MS56977	7	N	-	10mL(-)50mL ✓
2A56590	FC16923-5	-	1	Water	21	MS56977	7	N	-	ND ✓
2A56591	FC16923-6	-	1	Water	22	MS56977	7	N	-	ND ✓
2A56592	FC16923-7	-	3	Water	23	MS56977	7	N	-	✓
2A56593	FC16925-1	-	1	Water	24	MS56977	7	N	-	ND ✓
2A56594	FC16925-2	-	1	Water	25	MS56977	7	N	-	✓
2A56595	FC16907-3MS	-	2	Water	26	MS56977	7	N	-	10mL→100mL spike 25uL→100mL OP#40,76,77
2A56596	FC16907-3MSD	-	3	Water	27	MS56977	7	N	-	10mL→100mL spike 25uL→100mL OP#40,76,77
2A56597	ECC1910-4	-	-	Water	28	-	-	-	-	25uL→100mL OP#40,76,77

Matrix: Designate "W" for Water "S" for soil, "O" for Oil, "Liq" for Non-aquous Liquid, and "TCLP" or "SPLP" for Leachate
Manual Integration Rational SOP QA029: MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PII Poor Instrument

Appendix E-3
2024 Quarter 3 Laboratory Data Package

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

e-Hardcopy 2.0
Automated Report

Technical Report for

Bhate Environmental

Griffiss AFB; Rome, NY

GRFIS-BECOS

SGS Job Number: FC19116A

Sampling Date: 09/25/24

Report to:

Bhate Environmental

tcalhoun@bhate.com
molive@bhate.com; atorres@bhate.com
ATTN: Marcia Olive

Total number of pages in report: **665**

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 unless noted in the narrative, comments or footnotes.

Norm Farmer
Technical Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL(E83510), LA(03051), KS(E-10327), NC(573), NJ(FL002), NY(12022), SC(96038001) DoD ELAP(ANAB L2229), AZ(AZ0806), CA(2937), TX(T104704404), PA(68-03573), VA(460177), AL, AK, AR, CT, IA, KY, MA, MI. MS, ND, NH, NV, OK, OR, IL, UT, VT, WA, WI, WV

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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

October 17, 2024

Marcia Olive
Bhate Environmental
1608 13th Ave S Suite 300
Birmingham, AL 35205

RE: SGS North America Inc. - Orlando job FC19116A Reissue

Dear Ms. Olive,

The final report for job number FC19116A was revised in response to your requested changes. The following edits were made to this report.

The specific samples you requested were removed form the original report and re-issued on a separate report package.

Please feel free to contact us if we can be of further assistance.

Sincerely,

SGS North America Inc. - Orlando

CC: Dan Waterhouse, AECOM
Brian Rothmeyer, AECOM

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SGS North America Inc.

Sample Summary

Bhate Environmental

Job No: FC19116A

Griffiss AFB; Rome, NY
Project No: GRFIS-BECOS

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FC19116-5	09/25/24	12:21	GWMB	09/26/24	AQ	Ground Water	789MW-99_0924
FC19116-6	09/25/24	12:23	GWMB	09/26/24	AQ	Ground Water	789MW-99_0924-A
FC19116-7	09/25/24	13:31	GWMB	09/26/24	AQ	Ground Water	789MW-222_0924
FC19116-7D	09/25/24	13:31	GWMB	09/26/24	AQ	Water Dup/MSD	789MW-222_0924
FC19116-7S	09/25/24	13:31	GWMB	09/26/24	AQ	Water Matrix Spike	789MW-222_0924
FC19116-8	09/25/24	14:26	GWMB	09/26/24	AQ	Ground Water	789MW-83_0924
FC19116-9	09/25/24	15:39	GWMB	09/26/24	AQ	Ground Water	789MW-98_0924

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Bhate Environmental **Job No:** FC19116A

Site: Griffiss AFB; Rome, NY **Report Date:** 10/17/2024 2:29:13

On 09/26/2024, 5 Sample(s), 0 Trip Blank(s), 0 Equip. Blank(s) and 0 Field Blank(s) were received at SGS North America Inc - Orlando. at a maximum corrected temperature of 2.6 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. - Orlando Job Number of FC19116A 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.

MS Volatiles By Method SW846 8260D

Matrix: AQ **Batch ID:** V1A3060

Sample(s) FC19130-2MS, FC19130-2MSD were used as the QC samples indicated.

Matrix Spike Duplicate Recovery(s) for 1,2-Dibromo-3-chloropropane, Naphthalene are outside control limits. Probable cause is due to matrix interference.

RPD(s) for MSD for 1,2-Dibromo-3-chloropropane are outside control limits for sample FC19130-2MSD. Probable cause is due to sample non-homogeneity.

V1A3060-MB: Sample was treated with an anti-foaming agent.

Matrix: AQ **Batch ID:** V1A3062

Sample(s) FC19116-7MS, FC19116-7MSD were used as the QC samples indicated.

V1A3062-MB: Sample was treated with an anti-foaming agent.

FC19116-5 for Vinyl Acetate: Associated CCV outside of DOD QSM control limits high, sample is ND.

FC19116-6 for Vinyl Acetate: Associated CCV outside of DOD QSM control limits high, sample is ND.

FC19116-7 for Vinyl Acetate: Associated CCV outside of DOD QSM control limits high, sample is ND.

FC19116-8 for Vinyl Acetate: Associated CCV outside of DOD QSM control limits high, sample is ND.

Matrix: AQ **Batch ID:** V1O4089

Sample(s) FC19169-1MS, FC19169-1MSD were used as the QC samples indicated.

V1O4089-MB: Sample was treated with an anti-foaming agent.

SGS North America Inc. - Orlando 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.- Orlando is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety.

Narrative prepared by:

_____

Kim Benham, Report Generation (signature on file)

Summary of Hits

Job Number: FC19116A
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 09/25/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FC19116-5	**789MW-99_0924**					
Benzene		1.7	1.0	0.50	ug/l	SW846 8260D
n-Butylbenzene		0.40 J	1.0	0.50	ug/l	SW846 8260D
sec-Butylbenzene		0.84 J	1.0	0.50	ug/l	SW846 8260D
Ethylbenzene		1.9	1.0	0.50	ug/l	SW846 8260D
Isopropylbenzene		0.99 J	1.0	0.50	ug/l	SW846 8260D
Naphthalene		2.7 J	5.0	2.0	ug/l	SW846 8260D
n-Propylbenzene		1.6	1.0	0.50	ug/l	SW846 8260D
Toluene		0.86 J	1.0	0.50	ug/l	SW846 8260D
FC19116-6	**789MW-99_0924-A**					
Benzene		1.5	1.0	0.50	ug/l	SW846 8260D
n-Butylbenzene		0.33 J	1.0	0.50	ug/l	SW846 8260D
sec-Butylbenzene		0.77 J	1.0	0.50	ug/l	SW846 8260D
Ethylbenzene		1.8	1.0	0.50	ug/l	SW846 8260D
Isopropylbenzene		0.95 J	1.0	0.50	ug/l	SW846 8260D
Naphthalene		3.8 J	5.0	2.0	ug/l	SW846 8260D
n-Propylbenzene		1.5	1.0	0.50	ug/l	SW846 8260D
Toluene		0.85 J	1.0	0.50	ug/l	SW846 8260D
FC19116-7	**789MW-222_0924**					
No hits reported in this sample.						
FC19116-8	**789MW-83_0924**					
No hits reported in this sample.						
FC19116-9	**789MW-98_0924**					
Benzene		80.9	1.0	0.50	ug/l	SW846 8260D
n-Butylbenzene		19.8	1.0	0.50	ug/l	SW846 8260D
sec-Butylbenzene		11.8	1.0	0.50	ug/l	SW846 8260D
tert-Butylbenzene		1.6	1.0	0.50	ug/l	SW846 8260D
Ethylbenzene		19.4	1.0	0.50	ug/l	SW846 8260D
Isopropylbenzene		10.8	1.0	0.50	ug/l	SW846 8260D
p-Isopropyltoluene		11.3	1.0	0.50	ug/l	SW846 8260D
4-Methyl-2-pentanone (MIBK)		33.1	5.0	2.0	ug/l	SW846 8260D
Naphthalene		26.0	5.0	2.0	ug/l	SW846 8260D
n-Propylbenzene		29.9	1.0	0.50	ug/l	SW846 8260D
Toluene		2.2	1.0	0.50	ug/l	SW846 8260D
1,2,4-Trimethylbenzene		135	5.0	2.5	ug/l	SW846 8260D
1,3,5-Trimethylbenzene		76.7	1.0	0.50	ug/l	SW846 8260D

Summary of Hits

Job Number: FC19116A
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 09/25/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
m,p-Xylene		96.5	2.0	1.0	ug/l	SW846 8260D
o-Xylene		5.3	1.0	0.50	ug/l	SW846 8260D
Xylene (total)		102	3.0	1.5	ug/l	SW846 8260D

Sample Results

Report of Analysis

SGS North America Inc.

Report of Analysis

Client Sample ID:	789MW-99_0924		
Lab Sample ID:	FC19116-5	**Date Sampled:**	09/25/24
Matrix:	AQ - Ground Water	**Date Received:**	09/26/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A59604.D	1	10/01/24 11:34	JW	n/a	n/a	V1A3062
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	1.7	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.40	1.0	0.50	0.23	ug/l	J
135-98-8	sec-Butylbenzene	0.84	1.0	0.50	0.24	ug/l	J
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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: 789MW-99_0924
Lab Sample ID: FC19116-5
Matrix: AQ - Ground Water
Method: SW846 8260D
Project: Griffiss AFB; Rome, NY

Date Sampled: 09/25/24
Date Received: 09/26/24
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	1.9	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.99	1.0	0.50	0.22	ug/l	J
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.7	5.0	2.0	1.0	ug/l	J
103-65-1	n-Propylbenzene	1.6	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.86	1.0	0.50	0.30	ug/l	J
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate [a]	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		83-118%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789MW-99_0924		
Lab Sample ID:	FC19116-5	**Date Sampled:**	09/25/24
Matrix:	AQ - Ground Water	**Date Received:**	09/26/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	103%		79-125%
2037-26-5	Toluene-D8	96%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

(a) Associated CCV outside of DOD QSM control limits high, sample is ND.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	789MW-99_0924-A		
Lab Sample ID:	FC19116-6	**Date Sampled:**	09/25/24
Matrix:	AQ - Ground Water	**Date Received:**	09/26/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A59605.D	1	10/01/24 11:58	JW	n/a	n/a	V1A3062
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	1.5	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.33	1.0	0.50	0.23	ug/l	J
135-98-8	sec-Butylbenzene	0.77	1.0	0.50	0.24	ug/l	J
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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: 789MW-99_0924-A
Lab Sample ID: FC19116-6
Matrix: AQ - Ground Water
Method: SW846 8260D
Project: Griffiss AFB; Rome, NY

Date Sampled: 09/25/24
Date Received: 09/26/24
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	1.8	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.95	1.0	0.50	0.22	ug/l	J
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	3.8	5.0	2.0	1.0	ug/l	J
103-65-1	n-Propylbenzene	1.5	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.85	1.0	0.50	0.30	ug/l	J
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate [a]	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		83-118%

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation DL = Detection 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:	789MW-99_0924-A		
Lab Sample ID:	FC19116-6	**Date Sampled:**	09/25/24
Matrix:	AQ - Ground Water	**Date Received:**	09/26/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	105%		79-125%
2037-26-5	Toluene-D8	98%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

(a) Associated CCV outside of DOD QSM control limits high, sample is ND.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	789MW-222_0924		
Lab Sample ID:	FC19116-7	**Date Sampled:**	09/25/24
Matrix:	AQ - Ground Water	**Date Received:**	09/26/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A59598.D	1	10/01/24 09:09	JW	n/a	n/a	V1A3062
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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: 789MW-222_0924
Lab Sample ID: FC19116-7
Matrix: AQ - Ground Water
Method: SW846 8260D
Project: Griffiss AFB; Rome, NY

Date Sampled: 09/25/24
Date Received: 09/26/24
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate [a]	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		83-118%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789MW-222_0924		
Lab Sample ID:	FC19116-7	**Date Sampled:**	09/25/24
Matrix:	AQ - Ground Water	**Date Received:**	09/26/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	107%		79-125%
2037-26-5	Toluene-D8	97%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

(a) Associated CCV outside of DOD QSM control limits high, sample is ND.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	789MW-83_0924		
Lab Sample ID:	FC19116-8	**Date Sampled:**	09/25/24
Matrix:	AQ - Ground Water	**Date Received:**	09/26/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A59606.D	1	10/01/24 12:22	JW	n/a	n/a	V1A3062
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789MW-83_0924		
Lab Sample ID:	FC19116-8	**Date Sampled:**	09/25/24
Matrix:	AQ - Ground Water	**Date Received:**	09/26/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate [a]	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		83-118%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789MW-83_0924		
Lab Sample ID:	FC19116-8	**Date Sampled:**	09/25/24
Matrix:	AQ - Ground Water	**Date Received:**	09/26/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	106%		79-125%
2037-26-5	Toluene-D8	97%		85-112%
460-00-4	4-Bromofluorobenzene	101%		83-118%

(a) Associated CCV outside of DOD QSM control limits high, sample is ND.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: 789MW-98_0924
Lab Sample ID: FC19116-9
Matrix: AQ - Ground Water
Method: SW846 8260D
Project: Griffiss AFB; Rome, NY

Date Sampled: 09/25/24
Date Received: 09/26/24
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A59557.D	1	09/29/24 20:15	JW	n/a	n/a	V1A3060
Run #2	1O87906.D	5	09/30/24 16:33	JW	n/a	n/a	V1O4089

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

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	80.9	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	19.8	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	11.8	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	1.6	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation DL = Detection 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:	789MW-98_0924		
Lab Sample ID:	FC19116-9	**Date Sampled:**	09/25/24
Matrix:	AQ - Ground Water	**Date Received:**	09/26/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	19.4	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	10.8	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	11.3	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	33.1	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	26.0	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	29.9	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	2.2	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	135 [a]	5.0	2.5	1.6	ug/l	
108-67-8	1,3,5-Trimethylbenzene	76.7	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	96.5	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	5.3	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	102	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%	104%	83-118%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789MW-98_0924		
Lab Sample ID:	FC19116-9	**Date Sampled:**	09/25/24
Matrix:	AQ - Ground Water	**Date Received:**	09/26/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	101%	100%	79-125%
2037-26-5	Toluene-D8	98%	98%	85-112%
460-00-4	4-Bromofluorobenzene	103%	92%	83-118%

(a) Result is from Run# 2

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5.x Limits

SGS North America Inc - Orlando

Chain of Custody

4405 Vineland Road, Suite C-15 Orlando, Fl 32811
TEL. 407-425-6700 FAX: 407-425-0707
www.sgs.com

SGS - ORLANDO JOB # : FC19116 PAGE 1 OF 1

SGS - ORLANDO Quote # STAFF

Client / Reporting Information

Company Name: FPM Remediations
Address: 181 Kenwood Ave
City: Oneida State: NY Zip: 13421
Project Contact: Joshua Wenzel Email: j.wenzel@fpm-remediations.com
Phone #: (315) 269-6913
Sampler(s) Name(s) (Printed)
Sampler 1: Gavin Wilbur Sampler 2: Makenna Burr

Project Information

Project Name: Griffiss Former AFB
Street: 6060 Hangar Road
City: Rome State: NY
Project #: 2017-24-01
Fax #:
Client Purchase Order #:

Analytical Information

82 LOOD-VOCs

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid

SGS Orlando Sample #	Field ID / Point of Collection	COLLECTION DATE	TIME	SAMPLED BY:	CONTAINER INFORMATION MATRIX	TOTAL # OF BOTTLES	OTHER	NONE	HCl	NaOH	HNO3	H2SO4	NAOH+ZNAC	DI WATER	MEOH	LAB USE ONLY
1	775VMW-9_0924	9/25/2024	1042	GW	GW	3			X							
2	775VMW-10_0924	9/25/2024	1318	GW	GW	3			X							
3	AP2MW-3_0924	9/25/2024	1456	GW	GW	3			X							
4	782VMW-121_0924	9/25/2024	1558	GW	GW	3			X							
5	789MW-99_0924	9/25/24	1221	AS	GW	3			X							
6	789MW-99-0924-A	9/25/24	1223	AS	GW	3			X							
7	789MW-222-0924	9/25/24	1331	AS	GW	9			X							<MS/MSD>
8	789MW-83-0924	9/25/24	1426	AS	GW	3			X							
9	789MW-98-0924	9/25/24	1539	AS	GW	3			X							

Turnaround Time (Business days)

10 Day (Business) Approved By: / Date:
7 Day
5 Day
3 Day *RUSH*
2 Day *RUSH*
1 Day *RUSH*
Other
Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULLT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

Temp Blank included
INITIAL ASSESSMENT ZB
LABEL VERIFICATION JH

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

	Relinquished by Sampler/Affiliation	Date Time:	Received By/Affiliation	Relinquished By/Affiliation	Date Time:	Received By/Affiliation
1		9/25/24/1700	2	3		4 09/26/24 1000
5	Relinquished by/Affiliation	Date Time:	6 Received By/Affiliation	7 Relinquished By/Affiliation	Date Time:	8 Received By/Affiliation

Lab Use Only : Cooler Temperature (s) Celsius (corrected): 2.8 IR#1

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

ORLD-SMT-0001-03-FORM-COC (4).xls Rev 031318

FC19116A: Chain of Custody
Page 1 of 2

SGS - Orlando Sample Receipt Summary

Job Number: fc19116 **Client:** FPM REMEDIATIONS **Project:** GRIFFISS FORMER AFB

Date / Time Received: 9/26/2024 10:00:00 AM **Delivery Method:** FED EX **Airbill #'s:** 4004 9002 3766

Cooler Temps (Raw Measured) °C: Cooler 1: (2.8);

Cooler Temps (Corrected) °C: Cooler 1: (2.6);

Cooler Information	Y	or	N
1. Custody Seals Present:	☑		☐
2. Custody Seals Intact:	☑		☐
3. Temp criteria achieved:	☑		☐
4. Cooler temp verification:	IR Gun		
5. Cooler media:	Ice (Bag)		

Trip Blank Information	Y	or	N	N/A
1. Trip Blank present / cooler:	☑		☐	☐
2. Trip Blank listed on COC:	☐		☑	☐

	W	or	S	N/A
3. Type of TB Received	☑		☐	☐

Sample Information	Y	or	N	N/A
1. Sample labels present on bottles:	☑		☐	
2. Samples presented properly	☑		☐	
3. Sufficient volume/containers recv'd for analysis	☑		☐	
4. Condition of sample:	Intact			
5. Sample recv'd within HT	☑		☐	
6. Dates/Times/IDs on COC match sample label	☑		☐	
7. VOCs have headspace	☐		☑	☐
8. Bottles received for unspecified tests	☐		☑	
9. Compositing instructions clear	☐		☐	☑
10. Voa Soil Kits/Jars received past 48hrs?	☐		☐	☑
11. % Solids Jar Received?	☐		☐	☑
12. Residual Chlorine Present?	☐		☐	☑

Misc Information

Number of Encores: 25 Gram 5 Gram

Number of Lab Filtered Metals:

Test Strip Lot #s: pH 0-3: 226422 pH 10-12: Other: (Specify) pH 1.0 - 12.0 222221

Residual Chlorine Test Strip Lot #

Comments TB IS SAMPLE #10

Sample Receipt Summary 112723 EK Technician: SHAYLAP Date: 9/26/2024 3:29:36 PM Reviewer: Date:

QC Evaluation: DOD QSM5.x Limits

Job Number: FC19116A
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 09/25/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
V1A3060	SW846 8260D						
V1A3060-BS	67-64-1	Acetone	BSP	REC	110	%	39-160
V1A3060-BS	71-43-2	Benzene	BSP	REC	104	%	79-120
V1A3060-BS	108-86-1	Bromobenzene	BSP	REC	96	%	80-120
V1A3060-BS	74-97-5	Bromochloromethane	BSP	REC	89	%	78-123
V1A3060-BS	75-27-4	Bromodichloromethane	BSP	REC	99	%	79-125
V1A3060-BS	75-25-2	Bromoform	BSP	REC	104	%	66-130
V1A3060-BS	78-93-3	2-Butanone (MEK)	BSP	REC	98	%	56-143
V1A3060-BS	104-51-8	n-Butylbenzene	BSP	REC	94	%	75-128
V1A3060-BS	135-98-8	sec-Butylbenzene	BSP	REC	93	%	77-126
V1A3060-BS	98-06-6	tert-Butylbenzene	BSP	REC	100	%	78-124
V1A3060-BS	75-15-0	Carbon Disulfide	BSP	REC	93	%	64-133
V1A3060-BS	56-23-5	Carbon Tetrachloride	BSP	REC	103	%	72-136
V1A3060-BS	108-90-7	Chlorobenzene	BSP	REC	95	%	82-118
V1A3060-BS	75-00-3	Chloroethane	BSP	REC	80	%	60-138
V1A3060-BS	67-66-3	Chloroform	BSP	REC	100	%	79-124
V1A3060-BS	95-49-8	o-Chlorotoluene	BSP	REC	98	%	79-122
V1A3060-BS	106-43-4	p-Chlorotoluene	BSP	REC	99	%	78-122
V1A3060-BS	124-48-1	Dibromochloromethane	BSP	REC	107	%	74-126
V1A3060-BS	96-12-8	1,2-Dibromo-3-chloropropane	BSP	REC	114	%	62-128
V1A3060-BS	106-93-4	1,2-Dibromoethane	BSP	REC	102	%	77-121
V1A3060-BS	75-71-8	Dichlorodifluoromethane	BSP	REC	103	%	32-152
V1A3060-BS	95-50-1	1,2-Dichlorobenzene	BSP	REC	96	%	80-119
V1A3060-BS	541-73-1	1,3-Dichlorobenzene	BSP	REC	95	%	80-119
V1A3060-BS	106-46-7	1,4-Dichlorobenzene	BSP	REC	97	%	79-118
V1A3060-BS	75-34-3	1,1-Dichloroethane	BSP	REC	102	%	77-125
V1A3060-BS	107-06-2	1,2-Dichloroethane	BSP	REC	105	%	73-128
V1A3060-BS	75-35-4	1,1-Dichloroethylene	BSP	REC	109	%	71-131
V1A3060-BS	156-59-2	cis-1,2-Dichloroethylene	BSP	REC	98	%	78-123
V1A3060-BS	156-60-5	trans-1,2-Dichloroethylene	BSP	REC	106	%	75-124
V1A3060-BS	540-59-0	1,2-Dichloroethene (total)	BSP	REC	102	%	79-121
V1A3060-BS	78-87-5	1,2-Dichloropropane	BSP	REC	101	%	78-122
V1A3060-BS	142-28-9	1,3-Dichloropropane	BSP	REC	103	%	80-119
V1A3060-BS	594-20-7	2,2-Dichloropropane	BSP	REC	111	%	60-139
V1A3060-BS	563-58-6	1,1-Dichloropropene	BSP	REC	115	%	79-125
V1A3060-BS	10061-01-5	cis-1,3-Dichloropropene	BSP	REC	100	%	75-124
V1A3060-BS	10061-02-6	trans-1,3-Dichloropropene	BSP	REC	87	%	73-127
V1A3060-BS	100-41-4	Ethylbenzene	BSP	REC	95	%	79-121
V1A3060-BS	87-68-3	Hexachlorobutadiene	BSP	REC	102	%	66-134
V1A3060-BS	591-78-6	2-Hexanone	BSP	REC	101	%	57-139
V1A3060-BS	98-82-8	Isopropylbenzene	BSP	REC	99	%	72-131
V1A3060-BS	99-87-6	p-Isopropyltoluene	BSP	REC	98	%	77-127
V1A3060-BS	74-83-9	Methyl Bromide	BSP	REC	97	%	53-141

* Sample used for QC is not from job FC19116A

QC Evaluation: DOD QSM5.x Limits

Job Number: FC19116A
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 09/25/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
V1A3060-BS	74-87-3	Methyl Chloride	BSP	REC	93	%	50-139
V1A3060-BS	74-95-3	Methylene Bromide	BSP	REC	99	%	79-123
V1A3060-BS	75-09-2	Methylene Chloride	BSP	REC	105	%	74-124
V1A3060-BS	108-10-1	4-Methyl-2-pentanone (MIBK)	BSP	REC	99	%	67-130
V1A3060-BS	1634-04-4	Methyl Tert Butyl Ether	BSP	REC	98	%	71-124
V1A3060-BS	91-20-3	Naphthalene	BSP	REC	110	%	61-128
V1A3060-BS	103-65-1	n-Propylbenzene	BSP	REC	97	%	76-126
V1A3060-BS	100-42-5	Styrene	BSP	REC	99	%	78-123
V1A3060-BS	630-20-6	1,1,1,2-Tetrachloroethane	BSP	REC	106	%	78-124
V1A3060-BS	79-34-5	1,1,2,2-Tetrachloroethane	BSP	REC	104	%	71-121
V1A3060-BS	127-18-4	Tetrachloroethylene	BSP	REC	97	%	74-129
V1A3060-BS	108-88-3	Toluene	BSP	REC	100	%	80-121
V1A3060-BS	87-61-6	1,2,3-Trichlorobenzene	BSP	REC	112	%	69-129
V1A3060-BS	120-82-1	1,2,4-Trichlorobenzene	BSP	REC	103	%	69-130
V1A3060-BS	71-55-6	1,1,1-Trichloroethane	BSP	REC	106	%	74-131
V1A3060-BS	79-00-5	1,1,2-Trichloroethane	BSP	REC	103	%	80-119
V1A3060-BS	79-01-6	Trichloroethylene	BSP	REC	101	%	79-123
V1A3060-BS	75-69-4	Trichlorofluoromethane	BSP	REC	83	%	65-141
V1A3060-BS	96-18-4	1,2,3-Trichloropropane	BSP	REC	105	%	73-122
V1A3060-BS	108-67-8	1,3,5-Trimethylbenzene	BSP	REC	102	%	75-124
V1A3060-BS	108-05-4	Vinyl Acetate	BSP	REC	116	%	54-146
V1A3060-BS	75-01-4	Vinyl Chloride	BSP	REC	92	%	58-137
V1A3060-BS		m,p-Xylene	BSP	REC	100	%	80-121
V1A3060-BS	95-47-6	o-Xylene	BSP	REC	97	%	78-122
V1A3060-BS	1330-20-7	Xylene (total)	BSP	REC	99	%	79-121
V1A3060-BS	1868-53-7	Dibromofluoromethane	BSP	SURR	98	%	80-119
V1A3060-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	104	%	81-118
V1A3060-BS	2037-26-5	Toluene-D8	BSP	SURR	98	%	89-112
V1A3060-BS	460-00-4	4-Bromofluorobenzene	BSP	SURR	101	%	85-114
FC19130-2MS*	67-64-1	Acetone	MS	REC	106	%	39-160
FC19130-2MS*	71-43-2	Benzene	MS	REC	105	%	79-120
FC19130-2MS*	108-86-1	Bromobenzene	MS	REC	99	%	80-120
FC19130-2MS*	74-97-5	Bromochloromethane	MS	REC	93	%	78-123
FC19130-2MS*	75-27-4	Bromodichloromethane	MS	REC	103	%	79-125
FC19130-2MS*	75-25-2	Bromoform	MS	REC	100	%	66-130
FC19130-2MS*	78-93-3	2-Butanone (MEK)	MS	REC	87	%	56-143
FC19130-2MS*	104-51-8	n-Butylbenzene	MS	REC	99	%	75-128
FC19130-2MS*	135-98-8	sec-Butylbenzene	MS	REC	97	%	77-126
FC19130-2MS*	98-06-6	tert-Butylbenzene	MS	REC	103	%	78-124
FC19130-2MS*	75-15-0	Carbon Disulfide	MS	REC	94	%	64-133
FC19130-2MS*	56-23-5	Carbon Tetrachloride	MS	REC	109	%	72-136
FC19130-2MS*	108-90-7	Chlorobenzene	MS	REC	98	%	82-118
FC19130-2MS*	75-00-3	Chloroethane	MS	REC	85	%	60-138
FC19130-2MS*	67-66-3	Chloroform	MS	REC	105	%	79-124
FC19130-2MS*	95-49-8	o-Chlorotoluene	MS	REC	101	%	79-122

* Sample used for QC is not from job FC19116A

QC Evaluation: DOD QSM5.x Limits

Job Number: FC19116A
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 09/25/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FC19130-2MS*	106-43-4	p-Chlorotoluene	MS	REC	103	%	78-122
FC19130-2MS*	124-48-1	Dibromochloromethane	MS	REC	110	%	74-126
FC19130-2MS*	96-12-8	1,2-Dibromo-3-chloropropane	MS	REC	106	%	62-128
FC19130-2MS*	106-93-4	1,2-Dibromoethane	MS	REC	104	%	77-121
FC19130-2MS*	75-71-8	Dichlorodifluoromethane	MS	REC	116	%	32-152
FC19130-2MS*	95-50-1	1,2-Dichlorobenzene	MS	REC	96	%	80-119
FC19130-2MS*	541-73-1	1,3-Dichlorobenzene	MS	REC	96	%	80-119
FC19130-2MS*	106-46-7	1,4-Dichlorobenzene	MS	REC	97	%	79-118
FC19130-2MS*	75-34-3	1,1-Dichloroethane	MS	REC	107	%	77-125
FC19130-2MS*	107-06-2	1,2-Dichloroethane	MS	REC	108	%	73-128
FC19130-2MS*	75-35-4	1,1-Dichloroethylene	MS	REC	119	%	71-131
FC19130-2MS*	156-59-2	cis-1,2-Dichloroethylene	MS	REC	102	%	78-123
FC19130-2MS*	156-60-5	trans-1,2-Dichloroethylene	MS	REC	111	%	75-124
FC19130-2MS*	540-59-0	1,2-Dichloroethene (total)	MS	REC	106	%	79-121
FC19130-2MS*	78-87-5	1,2-Dichloropropane	MS	REC	103	%	78-122
FC19130-2MS*	142-28-9	1,3-Dichloropropane	MS	REC	108	%	80-119
FC19130-2MS*	594-20-7	2,2-Dichloropropane	MS	REC	110	%	60-139
FC19130-2MS*	563-58-6	1,1-Dichloropropene	MS	REC	122	%	79-125
FC19130-2MS*	10061-01-5	cis-1,3-Dichloropropene	MS	REC	101	%	75-124
FC19130-2MS*	10061-02-6	trans-1,3-Dichloropropene	MS	REC	87	%	73-127
FC19130-2MS*	100-41-4	Ethylbenzene	MS	REC	98	%	79-121
FC19130-2MS*	87-68-3	Hexachlorobutadiene	MS	REC	82	%	66-134
FC19130-2MS*	591-78-6	2-Hexanone	MS	REC	95	%	57-139
FC19130-2MS*	98-82-8	Isopropylbenzene	MS	REC	103	%	72-131
FC19130-2MS*	99-87-6	p-Isopropyltoluene	MS	REC	104	%	77-127
FC19130-2MS*	74-83-9	Methyl Bromide	MS	REC	81	%	53-141
FC19130-2MS*	74-87-3	Methyl Chloride	MS	REC	104	%	50-139
FC19130-2MS*	74-95-3	Methylene Bromide	MS	REC	100	%	79-123
FC19130-2MS*	75-09-2	Methylene Chloride	MS	REC	102	%	74-124
FC19130-2MS*	108-10-1	4-Methyl-2-pentanone (MIBK)	MS	REC	94	%	67-130
FC19130-2MS*	1634-04-4	Methyl Tert Butyl Ether	MS	REC	98	%	71-124
FC19130-2MS*	91-20-3	Naphthalene	MS	REC	121	%	61-128
FC19130-2MS*	103-65-1	n-Propylbenzene	MS	REC	101	%	76-126
FC19130-2MS*	100-42-5	Styrene	MS	REC	101	%	78-123
FC19130-2MS*	630-20-6	1,1,1,2-Tetrachloroethane	MS	REC	110	%	78-124
FC19130-2MS*	79-34-5	1,1,2,2-Tetrachloroethane	MS	REC	108	%	71-121
FC19130-2MS*	127-18-4	Tetrachloroethylene	MS	REC	99	%	74-129
FC19130-2MS*	108-88-3	Toluene	MS	REC	103	%	80-121
FC19130-2MS*	87-61-6	1,2,3-Trichlorobenzene	MS	REC	94	%	69-129
FC19130-2MS*	120-82-1	1,2,4-Trichlorobenzene	MS	REC	95	%	69-130
FC19130-2MS*	71-55-6	1,1,1-Trichloroethane	MS	REC	114	%	74-131
FC19130-2MS*	79-00-5	1,1,2-Trichloroethane	MS	REC	101	%	80-119
FC19130-2MS*	79-01-6	Trichloroethylene	MS	REC	104	%	79-123
FC19130-2MS*	75-69-4	Trichlorofluoromethane	MS	REC	91	%	65-141
FC19130-2MS*	96-18-4	1,2,3-Trichloropropane	MS	REC	107	%	73-122

* Sample used for QC is not from job FC19116A

QC Evaluation: DOD QSM5.x Limits

Job Number: FC19116A
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 09/25/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FC19130-2MS*	108-67-8	1,3,5-Trimethylbenzene	MS	REC	108	%	75-124
FC19130-2MS*	108-05-4	Vinyl Acetate	MS	REC	112	%	54-146
FC19130-2MS*	75-01-4	Vinyl Chloride	MS	REC	101	%	58-137
FC19130-2MS*		m,p-Xylene	MS	REC	102	%	80-121
FC19130-2MS*	95-47-6	o-Xylene	MS	REC	101	%	78-122
FC19130-2MS*	1330-20-7	Xylene (total)	MS	REC	102	%	79-121
FC19130-2MS*	1868-53-7	Dibromofluoromethane	MS	SURR	98	%	80-119
FC19130-2MS*	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	107	%	81-118
FC19130-2MS*	2037-26-5	Toluene-D8	MS	SURR	99	%	89-112
FC19130-2MS*	460-00-4	4-Bromofluorobenzene	MS	SURR	101	%	85-114
FC19130-2MSD*	67-64-1	Acetone	MSD	REC	110	%	39-160
FC19130-2MSD*	67-64-1	Acetone	MSD	RPD	3	%	20
FC19130-2MSD*	71-43-2	Benzene	MSD	REC	110	%	79-120
FC19130-2MSD*	71-43-2	Benzene	MSD	RPD	4	%	20
FC19130-2MSD*	108-86-1	Bromobenzene	MSD	REC	104	%	80-120
FC19130-2MSD*	108-86-1	Bromobenzene	MSD	RPD	5	%	20
FC19130-2MSD*	74-97-5	Bromochloromethane	MSD	REC	95	%	78-123
FC19130-2MSD*	74-97-5	Bromochloromethane	MSD	RPD	3	%	20
FC19130-2MSD*	75-27-4	Bromodichloromethane	MSD	REC	108	%	79-125
FC19130-2MSD*	75-27-4	Bromodichloromethane	MSD	RPD	5	%	20
FC19130-2MSD*	75-25-2	Bromoform	MSD	REC	111	%	66-130
FC19130-2MSD*	75-25-2	Bromoform	MSD	RPD	10	%	20
FC19130-2MSD*	78-93-3	2-Butanone (MEK)	MSD	REC	103	%	56-143
FC19130-2MSD*	78-93-3	2-Butanone (MEK)	MSD	RPD	17	%	20
FC19130-2MSD*	104-51-8	n-Butylbenzene	MSD	REC	99	%	75-128
FC19130-2MSD*	104-51-8	n-Butylbenzene	MSD	RPD	0	%	20
FC19130-2MSD*	135-98-8	sec-Butylbenzene	MSD	REC	100	%	77-126
FC19130-2MSD*	135-98-8	sec-Butylbenzene	MSD	RPD	2	%	20
FC19130-2MSD*	98-06-6	tert-Butylbenzene	MSD	REC	107	%	78-124
FC19130-2MSD*	98-06-6	tert-Butylbenzene	MSD	RPD	4	%	20
FC19130-2MSD*	75-15-0	Carbon Disulfide	MSD	REC	98	%	64-133
FC19130-2MSD*	75-15-0	Carbon Disulfide	MSD	RPD	4	%	20
FC19130-2MSD*	56-23-5	Carbon Tetrachloride	MSD	REC	118	%	72-136
FC19130-2MSD*	56-23-5	Carbon Tetrachloride	MSD	RPD	8	%	20
FC19130-2MSD*	108-90-7	Chlorobenzene	MSD	REC	101	%	82-118
FC19130-2MSD*	108-90-7	Chlorobenzene	MSD	RPD	3	%	20
FC19130-2MSD*	75-00-3	Chloroethane	MSD	REC	92	%	60-138
FC19130-2MSD*	75-00-3	Chloroethane	MSD	RPD	7	%	20
FC19130-2MSD*	67-66-3	Chloroform	MSD	REC	107	%	79-124
FC19130-2MSD*	67-66-3	Chloroform	MSD	RPD	2	%	20
FC19130-2MSD*	95-49-8	o-Chlorotoluene	MSD	REC	105	%	79-122
FC19130-2MSD*	95-49-8	o-Chlorotoluene	MSD	RPD	4	%	20
FC19130-2MSD*	106-43-4	p-Chlorotoluene	MSD	REC	106	%	78-122
FC19130-2MSD*	106-43-4	p-Chlorotoluene	MSD	RPD	3	%	20
FC19130-2MSD*	124-48-1	Dibromochloromethane	MSD	REC	115	%	74-126

* Sample used for QC is not from job FC19116A

QC Evaluation: DOD QSM5.x Limits

Job Number: FC19116A
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 09/25/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FC19130-2MSD*	124-48-1	Dibromochloromethane	MSD	RPD	5	%	20
FC19130-2MSD*	96-12-8	1,2-Dibromo-3-chloropropane	MSD	REC	130	%	62-128
FC19130-2MSD*	96-12-8	1,2-Dibromo-3-chloropropane	MSD	RPD	20	%	20
FC19130-2MSD*	106-93-4	1,2-Dibromoethane	MSD	REC	111	%	77-121
FC19130-2MSD*	106-93-4	1,2-Dibromoethane	MSD	RPD	6	%	20
FC19130-2MSD*	75-71-8	Dichlorodifluoromethane	MSD	REC	112	%	32-152
FC19130-2MSD*	75-71-8	Dichlorodifluoromethane	MSD	RPD	3	%	20
FC19130-2MSD*	95-50-1	1,2-Dichlorobenzene	MSD	REC	101	%	80-119
FC19130-2MSD*	95-50-1	1,2-Dichlorobenzene	MSD	RPD	5	%	20
FC19130-2MSD*	541-73-1	1,3-Dichlorobenzene	MSD	REC	99	%	80-119
FC19130-2MSD*	541-73-1	1,3-Dichlorobenzene	MSD	RPD	3	%	20
FC19130-2MSD*	106-46-7	1,4-Dichlorobenzene	MSD	REC	101	%	79-118
FC19130-2MSD*	106-46-7	1,4-Dichlorobenzene	MSD	RPD	4	%	20
FC19130-2MSD*	75-34-3	1,1-Dichloroethane	MSD	REC	108	%	77-125
FC19130-2MSD*	75-34-3	1,1-Dichloroethane	MSD	RPD	1	%	20
FC19130-2MSD*	107-06-2	1,2-Dichloroethane	MSD	REC	113	%	73-128
FC19130-2MSD*	107-06-2	1,2-Dichloroethane	MSD	RPD	4	%	20
FC19130-2MSD*	75-35-4	1,1-Dichloroethylene	MSD	REC	122	%	71-131
FC19130-2MSD*	75-35-4	1,1-Dichloroethylene	MSD	RPD	2	%	20
FC19130-2MSD*	156-59-2	cis-1,2-Dichloroethylene	MSD	REC	106	%	78-123
FC19130-2MSD*	156-59-2	cis-1,2-Dichloroethylene	MSD	RPD	2	%	20
FC19130-2MSD*	156-60-5	trans-1,2-Dichloroethylene	MSD	REC	116	%	75-124
FC19130-2MSD*	156-60-5	trans-1,2-Dichloroethylene	MSD	RPD	5	%	20
FC19130-2MSD*	540-59-0	1,2-Dichloroethene (total)	MSD	REC	111	%	79-121
FC19130-2MSD*	540-59-0	1,2-Dichloroethene (total)	MSD	RPD	3	%	20
FC19130-2MSD*	78-87-5	1,2-Dichloropropane	MSD	REC	108	%	78-122
FC19130-2MSD*	78-87-5	1,2-Dichloropropane	MSD	RPD	5	%	20
FC19130-2MSD*	142-28-9	1,3-Dichloropropane	MSD	REC	113	%	80-119
FC19130-2MSD*	142-28-9	1,3-Dichloropropane	MSD	RPD	5	%	20
FC19130-2MSD*	594-20-7	2,2-Dichloropropane	MSD	REC	113	%	60-139
FC19130-2MSD*	594-20-7	2,2-Dichloropropane	MSD	RPD	3	%	20
FC19130-2MSD*	563-58-6	1,1-Dichloropropene	MSD	REC	125	%	79-125
FC19130-2MSD*	563-58-6	1,1-Dichloropropene	MSD	RPD	3	%	20
FC19130-2MSD*	10061-01-5	cis-1,3-Dichloropropene	MSD	REC	107	%	75-124
FC19130-2MSD*	10061-01-5	cis-1,3-Dichloropropene	MSD	RPD	6	%	20
FC19130-2MSD*	10061-02-6	trans-1,3-Dichloropropene	MSD	REC	93	%	73-127
FC19130-2MSD*	10061-02-6	trans-1,3-Dichloropropene	MSD	RPD	6	%	20
FC19130-2MSD*	100-41-4	Ethylbenzene	MSD	REC	102	%	79-121
FC19130-2MSD*	100-41-4	Ethylbenzene	MSD	RPD	4	%	20
FC19130-2MSD*	87-68-3	Hexachlorobutadiene	MSD	REC	88	%	66-134
FC19130-2MSD*	87-68-3	Hexachlorobutadiene	MSD	RPD	8	%	20
FC19130-2MSD*	591-78-6	2-Hexanone	MSD	REC	110	%	57-139
FC19130-2MSD*	591-78-6	2-Hexanone	MSD	RPD	14	%	20
FC19130-2MSD*	98-82-8	Isopropylbenzene	MSD	REC	107	%	72-131
FC19130-2MSD*	98-82-8	Isopropylbenzene	MSD	RPD	4	%	20

* Sample used for QC is not from job FC19116A

QC Evaluation: DOD QSM5.x Limits

Job Number: FC19116A
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 09/25/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FC19130-2MSD*	99-87-6	p-Isopropyltoluene	MSD	REC	105	%	77-127
FC19130-2MSD*	99-87-6	p-Isopropyltoluene	MSD	RPD	1	%	20
FC19130-2MSD*	74-83-9	Methyl Bromide	MSD	REC	93	%	53-141
FC19130-2MSD*	74-83-9	Methyl Bromide	MSD	RPD	14	%	20
FC19130-2MSD*	74-87-3	Methyl Chloride	MSD	REC	102	%	50-139
FC19130-2MSD*	74-87-3	Methyl Chloride	MSD	RPD	1	%	20
FC19130-2MSD*	74-95-3	Methylene Bromide	MSD	REC	106	%	79-123
FC19130-2MSD*	74-95-3	Methylene Bromide	MSD	RPD	6	%	20
FC19130-2MSD*	75-09-2	Methylene Chloride	MSD	REC	106	%	74-124
FC19130-2MSD*	75-09-2	Methylene Chloride	MSD	RPD	4	%	20
FC19130-2MSD*	108-10-1	4-Methyl-2-pentanone (MIBK)	MSD	REC	106	%	67-130
FC19130-2MSD*	108-10-1	4-Methyl-2-pentanone (MIBK)	MSD	RPD	13	%	20
FC19130-2MSD*	1634-04-4	Methyl Tert Butyl Ether	MSD	REC	106	%	71-124
FC19130-2MSD*	1634-04-4	Methyl Tert Butyl Ether	MSD	RPD	7	%	20
FC19130-2MSD*	91-20-3	Naphthalene	MSD	REC	135	%	61-128
FC19130-2MSD*	91-20-3	Naphthalene	MSD	RPD	11	%	20
FC19130-2MSD*	103-65-1	n-Propylbenzene	MSD	REC	104	%	76-126
FC19130-2MSD*	103-65-1	n-Propylbenzene	MSD	RPD	3	%	20
FC19130-2MSD*	100-42-5	Styrene	MSD	REC	106	%	78-123
FC19130-2MSD*	100-42-5	Styrene	MSD	RPD	5	%	20
FC19130-2MSD*	630-20-6	1,1,1,2-Tetrachloroethane	MSD	REC	115	%	78-124
FC19130-2MSD*	630-20-6	1,1,1,2-Tetrachloroethane	MSD	RPD	5	%	20
FC19130-2MSD*	79-34-5	1,1,2,2-Tetrachloroethane	MSD	REC	120	%	71-121
FC19130-2MSD*	79-34-5	1,1,2,2-Tetrachloroethane	MSD	RPD	10	%	20
FC19130-2MSD*	127-18-4	Tetrachloroethylene	MSD	REC	103	%	74-129
FC19130-2MSD*	127-18-4	Tetrachloroethylene	MSD	RPD	4	%	20
FC19130-2MSD*	108-88-3	Toluene	MSD	REC	107	%	80-121
FC19130-2MSD*	108-88-3	Toluene	MSD	RPD	4	%	20
FC19130-2MSD*	87-61-6	1,2,3-Trichlorobenzene	MSD	REC	119	%	69-129
FC19130-2MSD*	87-61-6	1,2,3-Trichlorobenzene	MSD	RPD	23	%	20
FC19130-2MSD*	120-82-1	1,2,4-Trichlorobenzene	MSD	REC	111	%	69-130
FC19130-2MSD*	120-82-1	1,2,4-Trichlorobenzene	MSD	RPD	16	%	20
FC19130-2MSD*	71-55-6	1,1,1-Trichloroethane	MSD	REC	116	%	74-131
FC19130-2MSD*	71-55-6	1,1,1-Trichloroethane	MSD	RPD	1	%	20
FC19130-2MSD*	79-00-5	1,1,2-Trichloroethane	MSD	REC	107	%	80-119
FC19130-2MSD*	79-00-5	1,1,2-Trichloroethane	MSD	RPD	6	%	20
FC19130-2MSD*	79-01-6	Trichloroethylene	MSD	REC	108	%	79-123
FC19130-2MSD*	79-01-6	Trichloroethylene	MSD	RPD	3	%	20
FC19130-2MSD*	75-69-4	Trichlorofluoromethane	MSD	REC	93	%	65-141
FC19130-2MSD*	75-69-4	Trichlorofluoromethane	MSD	RPD	2	%	20
FC19130-2MSD*	96-18-4	1,2,3-Trichloropropane	MSD	REC	120	%	73-122
FC19130-2MSD*	96-18-4	1,2,3-Trichloropropane	MSD	RPD	12	%	20
FC19130-2MSD*	108-67-8	1,3,5-Trimethylbenzene	MSD	REC	111	%	75-124
FC19130-2MSD*	108-67-8	1,3,5-Trimethylbenzene	MSD	RPD	3	%	20
FC19130-2MSD*	108-05-4	Vinyl Acetate	MSD	REC	122	%	54-146

* Sample used for QC is not from job FC19116A

QC Evaluation: DOD QSM5.x Limits

Job Number: FC19116A
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 09/25/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FC19130-2MSD*	108-05-4	Vinyl Acetate	MSD	RPD	9	%	20
FC19130-2MSD*	75-01-4	Vinyl Chloride	MSD	REC	106	%	58-137
FC19130-2MSD*	75-01-4	Vinyl Chloride	MSD	RPD	5	%	20
FC19130-2MSD*		m,p-Xylene	MSD	REC	107	%	80-121
FC19130-2MSD*		m,p-Xylene	MSD	RPD	4	%	20
FC19130-2MSD*	95-47-6	o-Xylene	MSD	REC	106	%	78-122
FC19130-2MSD*	95-47-6	o-Xylene	MSD	RPD	5	%	20
FC19130-2MSD*	1330-20-7	Xylene (total)	MSD	REC	106	%	79-121
FC19130-2MSD*	1330-20-7	Xylene (total)	MSD	RPD	4	%	20
FC19130-2MSD*	1868-53-7	Dibromofluoromethane	MSD	SURR	98	%	80-119
FC19130-2MSD*	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	106	%	81-118
FC19130-2MSD*	2037-26-5	Toluene-D8	MSD	SURR	99	%	89-112
FC19130-2MSD*	460-00-4	4-Bromofluorobenzene	MSD	SURR	103	%	85-114
V1A3060-MB	1868-53-7	Dibromofluoromethane	MB	SURR	101	%	80-119
V1A3060-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	103	%	81-118
V1A3060-MB	2037-26-5	Toluene-D8	MB	SURR	96	%	89-112
V1A3060-MB	460-00-4	4-Bromofluorobenzene	MB	SURR	100	%	85-114
FC19116-9	1868-53-7	Dibromofluoromethane	SAMP	SURR	98	%	80-119
FC19116-9	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	101	%	81-118
FC19116-9	2037-26-5	Toluene-D8	SAMP	SURR	98	%	89-112
FC19116-9	460-00-4	4-Bromofluorobenzene	SAMP	SURR	103	%	85-114
V1A3062	SW846 8260D						
V1A3062-BS	67-64-1	Acetone	BSP	REC	118	%	39-160
V1A3062-BS	71-43-2	Benzene	BSP	REC	111	%	79-120
V1A3062-BS	108-86-1	Bromobenzene	BSP	REC	102	%	80-120
V1A3062-BS	74-97-5	Bromochloromethane	BSP	REC	97	%	78-123
V1A3062-BS	75-27-4	Bromodichloromethane	BSP	REC	109	%	79-125
V1A3062-BS	75-25-2	Bromoform	BSP	REC	114	%	66-130
V1A3062-BS	78-93-3	2-Butanone (MEK)	BSP	REC	114	%	56-143
V1A3062-BS	104-51-8	n-Butylbenzene	BSP	REC	101	%	75-128
V1A3062-BS	135-98-8	sec-Butylbenzene	BSP	REC	101	%	77-126
V1A3062-BS	98-06-6	tert-Butylbenzene	BSP	REC	106	%	78-124
V1A3062-BS	75-15-0	Carbon Disulfide	BSP	REC	98	%	64-133
V1A3062-BS	56-23-5	Carbon Tetrachloride	BSP	REC	113	%	72-136
V1A3062-BS	108-90-7	Chlorobenzene	BSP	REC	102	%	82-118
V1A3062-BS	75-00-3	Chloroethane	BSP	REC	89	%	60-138
V1A3062-BS	67-66-3	Chloroform	BSP	REC	109	%	79-124
V1A3062-BS	95-49-8	o-Chlorotoluene	BSP	REC	105	%	79-122
V1A3062-BS	106-43-4	p-Chlorotoluene	BSP	REC	107	%	78-122
V1A3062-BS	124-48-1	Dibromochloromethane	BSP	REC	116	%	74-126
V1A3062-BS	96-12-8	1,2-Dibromo-3-chloropropane	BSP	REC	120	%	62-128
V1A3062-BS	106-93-4	1,2-Dibromoethane	BSP	REC	110	%	77-121
V1A3062-BS	75-71-8	Dichlorodifluoromethane	BSP	REC	110	%	32-152

* Sample used for QC is not from job FC19116A

QC Evaluation: DOD QSM5.x Limits

Job Number: FC19116A
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 09/25/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
V1A3062-BS	95-50-1	1,2-Dichlorobenzene	BSP	REC	102	%	80-119
V1A3062-BS	541-73-1	1,3-Dichlorobenzene	BSP	REC	101	%	80-119
V1A3062-BS	106-46-7	1,4-Dichlorobenzene	BSP	REC	102	%	79-118
V1A3062-BS	75-34-3	1,1-Dichloroethane	BSP	REC	111	%	77-125
V1A3062-BS	107-06-2	1,2-Dichloroethane	BSP	REC	114	%	73-128
V1A3062-BS	75-35-4	1,1-Dichloroethylene	BSP	REC	118	%	71-131
V1A3062-BS	156-59-2	cis-1,2-Dichloroethylene	BSP	REC	107	%	78-123
V1A3062-BS	156-60-5	trans-1,2-Dichloroethylene	BSP	REC	116	%	75-124
V1A3062-BS	540-59-0	1,2-Dichloroethene (total)	BSP	REC	111	%	79-121
V1A3062-BS	78-87-5	1,2-Dichloropropane	BSP	REC	108	%	78-122
V1A3062-BS	142-28-9	1,3-Dichloropropane	BSP	REC	111	%	80-119
V1A3062-BS	594-20-7	2,2-Dichloropropane	BSP	REC	121	%	60-139
V1A3062-BS	563-58-6	1,1-Dichloropropene	BSP	REC	124	%	79-125
V1A3062-BS	10061-01-5	cis-1,3-Dichloropropene	BSP	REC	111	%	75-124
V1A3062-BS	10061-02-6	trans-1,3-Dichloropropene	BSP	REC	95	%	73-127
V1A3062-BS	100-41-4	Ethylbenzene	BSP	REC	101	%	79-121
V1A3062-BS	87-68-3	Hexachlorobutadiene	BSP	REC	110	%	66-134
V1A3062-BS	591-78-6	2-Hexanone	BSP	REC	118	%	57-139
V1A3062-BS	98-82-8	Isopropylbenzene	BSP	REC	106	%	72-131
V1A3062-BS	99-87-6	p-Isopropyltoluene	BSP	REC	104	%	77-127
V1A3062-BS	74-83-9	Methyl Bromide	BSP	REC	96	%	53-141
V1A3062-BS	74-87-3	Methyl Chloride	BSP	REC	102	%	50-139
V1A3062-BS	74-95-3	Methylene Bromide	BSP	REC	106	%	79-123
V1A3062-BS	75-09-2	Methylene Chloride	BSP	REC	114	%	74-124
V1A3062-BS	108-10-1	4-Methyl-2-pentanone (MIBK)	BSP	REC	112	%	67-130
V1A3062-BS	1634-04-4	Methyl Tert Butyl Ether	BSP	REC	106	%	71-124
V1A3062-BS	91-20-3	Naphthalene	BSP	REC	121	%	61-128
V1A3062-BS	103-65-1	n-Propylbenzene	BSP	REC	104	%	76-126
V1A3062-BS	100-42-5	Styrene	BSP	REC	108	%	78-123
V1A3062-BS	630-20-6	1,1,1,2-Tetrachloroethane	BSP	REC	115	%	78-124
V1A3062-BS	79-34-5	1,1,2,2-Tetrachloroethane	BSP	REC	111	%	71-121
V1A3062-BS	127-18-4	Tetrachloroethylene	BSP	REC	102	%	74-129
V1A3062-BS	108-88-3	Toluene	BSP	REC	107	%	80-121
V1A3062-BS	87-61-6	1,2,3-Trichlorobenzene	BSP	REC	124	%	69-129
V1A3062-BS	120-82-1	1,2,4-Trichlorobenzene	BSP	REC	113	%	69-130
V1A3062-BS	71-55-6	1,1,1-Trichloroethane	BSP	REC	117	%	74-131
V1A3062-BS	79-00-5	1,1,2-Trichloroethane	BSP	REC	106	%	80-119
V1A3062-BS	79-01-6	Trichloroethylene	BSP	REC	111	%	79-123
V1A3062-BS	75-69-4	Trichlorofluoromethane	BSP	REC	89	%	65-141
V1A3062-BS	96-18-4	1,2,3-Trichloropropane	BSP	REC	113	%	73-122
V1A3062-BS	95-63-6	1,2,4-Trimethylbenzene	BSP	REC	109	%	76-124
V1A3062-BS	108-67-8	1,3,5-Trimethylbenzene	BSP	REC	111	%	75-124
V1A3062-BS	108-05-4	Vinyl Acetate	BSP	REC	130	%	54-146
V1A3062-BS	75-01-4	Vinyl Chloride	BSP	REC	97	%	58-137
V1A3062-BS		m,p-Xylene	BSP	REC	107	%	80-121

* Sample used for QC is not from job FC19116A

QC Evaluation: DOD QSM5.x Limits

Job Number: FC19116A
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 09/25/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
V1A3062-BS	95-47-6	o-Xylene	BSP	REC	104	%	78-122
V1A3062-BS	1330-20-7	Xylene (total)	BSP	REC	106	%	79-121
V1A3062-BS	1868-53-7	Dibromofluoromethane	BSP	SURR	99	%	80-119
V1A3062-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	104	%	81-118
V1A3062-BS	2037-26-5	Toluene-D8	BSP	SURR	98	%	89-112
V1A3062-BS	460-00-4	4-Bromofluorobenzene	BSP	SURR	100	%	85-114
FC19116-7MS	67-64-1	Acetone	MS	REC	87	%	39-160
FC19116-7MS	71-43-2	Benzene	MS	REC	107	%	79-120
FC19116-7MS	108-86-1	Bromobenzene	MS	REC	96	%	80-120
FC19116-7MS	74-97-5	Bromochloromethane	MS	REC	90	%	78-123
FC19116-7MS	75-27-4	Bromodichloromethane	MS	REC	107	%	79-125
FC19116-7MS	75-25-2	Bromoform	MS	REC	95	%	66-130
FC19116-7MS	78-93-3	2-Butanone (MEK)	MS	REC	84	%	56-143
FC19116-7MS	104-51-8	n-Butylbenzene	MS	REC	99	%	75-128
FC19116-7MS	135-98-8	sec-Butylbenzene	MS	REC	98	%	77-126
FC19116-7MS	98-06-6	tert-Butylbenzene	MS	REC	104	%	78-124
FC19116-7MS	75-15-0	Carbon Disulfide	MS	REC	96	%	64-133
FC19116-7MS	56-23-5	Carbon Tetrachloride	MS	REC	111	%	72-136
FC19116-7MS	108-90-7	Chlorobenzene	MS	REC	97	%	82-118
FC19116-7MS	75-00-3	Chloroethane	MS	REC	87	%	60-138
FC19116-7MS	67-66-3	Chloroform	MS	REC	107	%	79-124
FC19116-7MS	95-49-8	o-Chlorotoluene	MS	REC	98	%	79-122
FC19116-7MS	106-43-4	p-Chlorotoluene	MS	REC	101	%	78-122
FC19116-7MS	124-48-1	Dibromochloromethane	MS	REC	104	%	74-126
FC19116-7MS	96-12-8	1,2-Dibromo-3-chloropropane	MS	REC	98	%	62-128
FC19116-7MS	106-93-4	1,2-Dibromoethane	MS	REC	97	%	77-121
FC19116-7MS	75-71-8	Dichlorodifluoromethane	MS	REC	112	%	32-152
FC19116-7MS	95-50-1	1,2-Dichlorobenzene	MS	REC	92	%	80-119
FC19116-7MS	541-73-1	1,3-Dichlorobenzene	MS	REC	95	%	80-119
FC19116-7MS	106-46-7	1,4-Dichlorobenzene	MS	REC	96	%	79-118
FC19116-7MS	75-34-3	1,1-Dichloroethane	MS	REC	108	%	77-125
FC19116-7MS	107-06-2	1,2-Dichloroethane	MS	REC	108	%	73-128
FC19116-7MS	75-35-4	1,1-Dichloroethylene	MS	REC	118	%	71-131
FC19116-7MS	156-59-2	cis-1,2-Dichloroethylene	MS	REC	104	%	78-123
FC19116-7MS	156-60-5	trans-1,2-Dichloroethylene	MS	REC	112	%	75-124
FC19116-7MS	540-59-0	1,2-Dichloroethene (total)	MS	REC	108	%	79-121
FC19116-7MS	78-87-5	1,2-Dichloropropane	MS	REC	106	%	78-122
FC19116-7MS	142-28-9	1,3-Dichloropropane	MS	REC	100	%	80-119
FC19116-7MS	594-20-7	2,2-Dichloropropane	MS	REC	112	%	60-139
FC19116-7MS	563-58-6	1,1-Dichloropropene	MS	REC	121	%	79-125
FC19116-7MS	10061-01-5	cis-1,3-Dichloropropene	MS	REC	98	%	75-124
FC19116-7MS	10061-02-6	trans-1,3-Dichloropropene	MS	REC	84	%	73-127
FC19116-7MS	100-41-4	Ethylbenzene	MS	REC	96	%	79-121
FC19116-7MS	87-68-3	Hexachlorobutadiene	MS	REC	96	%	66-134
FC19116-7MS	591-78-6	2-Hexanone	MS	REC	86	%	57-139

* Sample used for QC is not from job FC19116A

QC Evaluation: DOD QSM5.x Limits

Job Number: FC19116A
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 09/25/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FC19116-7MS	98-82-8	Isopropylbenzene	MS	REC	100	%	72-131
FC19116-7MS	99-87-6	p-Isopropyltoluene	MS	REC	102	%	77-127
FC19116-7MS	74-83-9	Methyl Bromide	MS	REC	99	%	53-141
FC19116-7MS	74-87-3	Methyl Chloride	MS	REC	108	%	50-139
FC19116-7MS	74-95-3	Methylene Bromide	MS	REC	96	%	79-123
FC19116-7MS	75-09-2	Methylene Chloride	MS	REC	109	%	74-124
FC19116-7MS	108-10-1	4-Methyl-2-pentanone (MIBK)	MS	REC	88	%	67-130
FC19116-7MS	1634-04-4	Methyl Tert Butyl Ether	MS	REC	92	%	71-124
FC19116-7MS	91-20-3	Naphthalene	MS	REC	91	%	61-128
FC19116-7MS	103-65-1	n-Propylbenzene	MS	REC	99	%	76-126
FC19116-7MS	100-42-5	Styrene	MS	REC	98	%	78-123
FC19116-7MS	630-20-6	1,1,1,2-Tetrachloroethane	MS	REC	108	%	78-124
FC19116-7MS	79-34-5	1,1,2,2-Tetrachloroethane	MS	REC	94	%	71-121
FC19116-7MS	127-18-4	Tetrachloroethylene	MS	REC	96	%	74-129
FC19116-7MS	108-88-3	Toluene	MS	REC	101	%	80-121
FC19116-7MS	87-61-6	1,2,3-Trichlorobenzene	MS	REC	97	%	69-129
FC19116-7MS	120-82-1	1,2,4-Trichlorobenzene	MS	REC	96	%	69-130
FC19116-7MS	71-55-6	1,1,1-Trichloroethane	MS	REC	115	%	74-131
FC19116-7MS	79-00-5	1,1,2-Trichloroethane	MS	REC	97	%	80-119
FC19116-7MS	79-01-6	Trichloroethylene	MS	REC	106	%	79-123
FC19116-7MS	75-69-4	Trichlorofluoromethane	MS	REC	91	%	65-141
FC19116-7MS	96-18-4	1,2,3-Trichloropropane	MS	REC	94	%	73-122
FC19116-7MS	95-63-6	1,2,4-Trimethylbenzene	MS	REC	106	%	76-124
FC19116-7MS	108-67-8	1,3,5-Trimethylbenzene	MS	REC	105	%	75-124
FC19116-7MS	108-05-4	Vinyl Acetate	MS	REC	105	%	54-146
FC19116-7MS	75-01-4	Vinyl Chloride	MS	REC	101	%	58-137
FC19116-7MS		m,p-Xylene	MS	REC	100	%	80-121
FC19116-7MS	95-47-6	o-Xylene	MS	REC	98	%	78-122
FC19116-7MS	1330-20-7	Xylene (total)	MS	REC	99	%	79-121
FC19116-7MS	1868-53-7	Dibromofluoromethane	MS	SURR	99	%	80-119
FC19116-7MS	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	104	%	81-118
FC19116-7MS	2037-26-5	Toluene-D8	MS	SURR	98	%	89-112
FC19116-7MS	460-00-4	4-Bromofluorobenzene	MS	SURR	100	%	85-114
FC19116-7MSD	67-64-1	Acetone	MSD	REC	87	%	39-160
FC19116-7MSD	67-64-1	Acetone	MSD	RPD	0	%	20
FC19116-7MSD	71-43-2	Benzene	MSD	REC	104	%	79-120
FC19116-7MSD	71-43-2	Benzene	MSD	RPD	0	%	20
FC19116-7MSD	108-86-1	Bromobenzene	MSD	REC	93	%	80-120
FC19116-7MSD	108-86-1	Bromobenzene	MSD	RPD	0	%	20
FC19116-7MSD	74-97-5	Bromochloromethane	MSD	REC	91	%	78-123
FC19116-7MSD	74-97-5	Bromochloromethane	MSD	RPD	0	%	20
FC19116-7MSD	75-27-4	Bromodichloromethane	MSD	REC	105	%	79-125
FC19116-7MSD	75-27-4	Bromodichloromethane	MSD	RPD	0	%	20
FC19116-7MSD	75-25-2	Bromoform	MSD	REC	94	%	66-130
FC19116-7MSD	75-25-2	Bromoform	MSD	RPD	0	%	20

* Sample used for QC is not from job FC19116A

QC Evaluation: DOD QSM5.x Limits

Job Number: FC19116A
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 09/25/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FC19116-7MSD	78-93-3	2-Butanone (MEK)	MSD	REC	81	%	56-143
FC19116-7MSD	78-93-3	2-Butanone (MEK)	MSD	RPD	0	%	20
FC19116-7MSD	104-51-8	n-Butylbenzene	MSD	REC	96	%	75-128
FC19116-7MSD	104-51-8	n-Butylbenzene	MSD	RPD	0	%	20
FC19116-7MSD	135-98-8	sec-Butylbenzene	MSD	REC	95	%	77-126
FC19116-7MSD	135-98-8	sec-Butylbenzene	MSD	RPD	0	%	20
FC19116-7MSD	98-06-6	tert-Butylbenzene	MSD	REC	100	%	78-124
FC19116-7MSD	98-06-6	tert-Butylbenzene	MSD	RPD	0	%	20
FC19116-7MSD	75-15-0	Carbon Disulfide	MSD	REC	93	%	64-133
FC19116-7MSD	75-15-0	Carbon Disulfide	MSD	RPD	0	%	20
FC19116-7MSD	56-23-5	Carbon Tetrachloride	MSD	REC	107	%	72-136
FC19116-7MSD	56-23-5	Carbon Tetrachloride	MSD	RPD	0	%	20
FC19116-7MSD	108-90-7	Chlorobenzene	MSD	REC	94	%	82-118
FC19116-7MSD	108-90-7	Chlorobenzene	MSD	RPD	0	%	20
FC19116-7MSD	75-00-3	Chloroethane	MSD	REC	90	%	60-138
FC19116-7MSD	75-00-3	Chloroethane	MSD	RPD	0	%	20
FC19116-7MSD	67-66-3	Chloroform	MSD	REC	106	%	79-124
FC19116-7MSD	67-66-3	Chloroform	MSD	RPD	0	%	20
FC19116-7MSD	95-49-8	o-Chlorotoluene	MSD	REC	97	%	79-122
FC19116-7MSD	95-49-8	o-Chlorotoluene	MSD	RPD	0	%	20
FC19116-7MSD	106-43-4	p-Chlorotoluene	MSD	REC	98	%	78-122
FC19116-7MSD	106-43-4	p-Chlorotoluene	MSD	RPD	0	%	20
FC19116-7MSD	124-48-1	Dibromochloromethane	MSD	REC	105	%	74-126
FC19116-7MSD	124-48-1	Dibromochloromethane	MSD	RPD	0	%	20
FC19116-7MSD	96-12-8	1,2-Dibromo-3-chloropropane	MSD	REC	96	%	62-128
FC19116-7MSD	96-12-8	1,2-Dibromo-3-chloropropane	MSD	RPD	0	%	20
FC19116-7MSD	106-93-4	1,2-Dibromoethane	MSD	REC	98	%	77-121
FC19116-7MSD	106-93-4	1,2-Dibromoethane	MSD	RPD	0	%	20
FC19116-7MSD	75-71-8	Dichlorodifluoromethane	MSD	REC	109	%	32-152
FC19116-7MSD	75-71-8	Dichlorodifluoromethane	MSD	RPD	0	%	20
FC19116-7MSD	95-50-1	1,2-Dichlorobenzene	MSD	REC	94	%	80-119
FC19116-7MSD	95-50-1	1,2-Dichlorobenzene	MSD	RPD	0	%	20
FC19116-7MSD	541-73-1	1,3-Dichlorobenzene	MSD	REC	95	%	80-119
FC19116-7MSD	541-73-1	1,3-Dichlorobenzene	MSD	RPD	0	%	20
FC19116-7MSD	106-46-7	1,4-Dichlorobenzene	MSD	REC	94	%	79-118
FC19116-7MSD	106-46-7	1,4-Dichlorobenzene	MSD	RPD	0	%	20
FC19116-7MSD	75-34-3	1,1-Dichloroethane	MSD	REC	106	%	77-125
FC19116-7MSD	75-34-3	1,1-Dichloroethane	MSD	RPD	0	%	20
FC19116-7MSD	107-06-2	1,2-Dichloroethane	MSD	REC	109	%	73-128
FC19116-7MSD	107-06-2	1,2-Dichloroethane	MSD	RPD	0	%	20
FC19116-7MSD	75-35-4	1,1-Dichloroethylene	MSD	REC	115	%	71-131
FC19116-7MSD	75-35-4	1,1-Dichloroethylene	MSD	RPD	0	%	20
FC19116-7MSD	156-59-2	cis-1,2-Dichloroethylene	MSD	REC	102	%	78-123
FC19116-7MSD	156-59-2	cis-1,2-Dichloroethylene	MSD	RPD	0	%	20
FC19116-7MSD	156-60-5	trans-1,2-Dichloroethylene	MSD	REC	110	%	75-124

* Sample used for QC is not from job FC19116A

QC Evaluation: DOD QSM5.x Limits

Job Number: FC19116A
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 09/25/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FC19116-7MSD	156-60-5	trans-1,2-Dichloroethylene	MSD	RPD	0	%	20
FC19116-7MSD	540-59-0	1,2-Dichloroethene (total)	MSD	REC	106	%	79-121
FC19116-7MSD	540-59-0	1,2-Dichloroethene (total)	MSD	RPD	0	%	20
FC19116-7MSD	78-87-5	1,2-Dichloropropane	MSD	REC	104	%	78-122
FC19116-7MSD	78-87-5	1,2-Dichloropropane	MSD	RPD	0	%	20
FC19116-7MSD	142-28-9	1,3-Dichloropropane	MSD	REC	100	%	80-119
FC19116-7MSD	142-28-9	1,3-Dichloropropane	MSD	RPD	0	%	20
FC19116-7MSD	594-20-7	2,2-Dichloropropane	MSD	REC	108	%	60-139
FC19116-7MSD	594-20-7	2,2-Dichloropropane	MSD	RPD	0	%	20
FC19116-7MSD	563-58-6	1,1-Dichloropropene	MSD	REC	116	%	79-125
FC19116-7MSD	563-58-6	1,1-Dichloropropene	MSD	RPD	0	%	20
FC19116-7MSD	10061-01-5	cis-1,3-Dichloropropene	MSD	REC	96	%	75-124
FC19116-7MSD	10061-01-5	cis-1,3-Dichloropropene	MSD	RPD	0	%	20
FC19116-7MSD	10061-02-6	trans-1,3-Dichloropropene	MSD	REC	82	%	73-127
FC19116-7MSD	10061-02-6	trans-1,3-Dichloropropene	MSD	RPD	0	%	20
FC19116-7MSD	100-41-4	Ethylbenzene	MSD	REC	93	%	79-121
FC19116-7MSD	100-41-4	Ethylbenzene	MSD	RPD	0	%	20
FC19116-7MSD	87-68-3	Hexachlorobutadiene	MSD	REC	94	%	66-134
FC19116-7MSD	87-68-3	Hexachlorobutadiene	MSD	RPD	0	%	20
FC19116-7MSD	591-78-6	2-Hexanone	MSD	REC	82	%	57-139
FC19116-7MSD	591-78-6	2-Hexanone	MSD	RPD	0	%	20
FC19116-7MSD	98-82-8	Isopropylbenzene	MSD	REC	98	%	72-131
FC19116-7MSD	98-82-8	Isopropylbenzene	MSD	RPD	0	%	20
FC19116-7MSD	99-87-6	p-Isopropyltoluene	MSD	REC	98	%	77-127
FC19116-7MSD	99-87-6	p-Isopropyltoluene	MSD	RPD	0	%	20
FC19116-7MSD	74-83-9	Methyl Bromide	MSD	REC	99	%	53-141
FC19116-7MSD	74-83-9	Methyl Bromide	MSD	RPD	0	%	20
FC19116-7MSD	74-87-3	Methyl Chloride	MSD	REC	109	%	50-139
FC19116-7MSD	74-87-3	Methyl Chloride	MSD	RPD	0	%	20
FC19116-7MSD	74-95-3	Methylene Bromide	MSD	REC	96	%	79-123
FC19116-7MSD	74-95-3	Methylene Bromide	MSD	RPD	0	%	20
FC19116-7MSD	75-09-2	Methylene Chloride	MSD	REC	107	%	74-124
FC19116-7MSD	75-09-2	Methylene Chloride	MSD	RPD	0	%	20
FC19116-7MSD	108-10-1	4-Methyl-2-pentanone (MIBK)	MSD	REC	85	%	67-130
FC19116-7MSD	108-10-1	4-Methyl-2-pentanone (MIBK)	MSD	RPD	0	%	20
FC19116-7MSD	1634-04-4	Methyl Tert Butyl Ether	MSD	REC	91	%	71-124
FC19116-7MSD	1634-04-4	Methyl Tert Butyl Ether	MSD	RPD	0	%	20
FC19116-7MSD	91-20-3	Naphthalene	MSD	REC	95	%	61-128
FC19116-7MSD	91-20-3	Naphthalene	MSD	RPD	0	%	20
FC19116-7MSD	103-65-1	n-Propylbenzene	MSD	REC	97	%	76-126
FC19116-7MSD	103-65-1	n-Propylbenzene	MSD	RPD	0	%	20
FC19116-7MSD	100-42-5	Styrene	MSD	REC	96	%	78-123
FC19116-7MSD	100-42-5	Styrene	MSD	RPD	0	%	20
FC19116-7MSD	630-20-6	1,1,1,2-Tetrachloroethane	MSD	REC	106	%	78-124
FC19116-7MSD	630-20-6	1,1,1,2-Tetrachloroethane	MSD	RPD	0	%	20

* Sample used for QC is not from job FC19116A

QC Evaluation: DOD QSM5.x Limits

Job Number: FC19116A
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 09/25/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FC19116-7MSD	79-34-5	1,1,2,2-Tetrachloroethane	MSD	REC	96	%	71-121
FC19116-7MSD	79-34-5	1,1,2,2-Tetrachloroethane	MSD	RPD	0	%	20
FC19116-7MSD	127-18-4	Tetrachloroethylene	MSD	REC	92	%	74-129
FC19116-7MSD	127-18-4	Tetrachloroethylene	MSD	RPD	0	%	20
FC19116-7MSD	108-88-3	Toluene	MSD	REC	97	%	80-121
FC19116-7MSD	108-88-3	Toluene	MSD	RPD	0	%	20
FC19116-7MSD	87-61-6	1,2,3-Trichlorobenzene	MSD	REC	97	%	69-129
FC19116-7MSD	87-61-6	1,2,3-Trichlorobenzene	MSD	RPD	0	%	20
FC19116-7MSD	120-82-1	1,2,4-Trichlorobenzene	MSD	REC	96	%	69-130
FC19116-7MSD	120-82-1	1,2,4-Trichlorobenzene	MSD	RPD	0	%	20
FC19116-7MSD	71-55-6	1,1,1-Trichloroethane	MSD	REC	112	%	74-131
FC19116-7MSD	71-55-6	1,1,1-Trichloroethane	MSD	RPD	0	%	20
FC19116-7MSD	79-00-5	1,1,2-Trichloroethane	MSD	REC	98	%	80-119
FC19116-7MSD	79-00-5	1,1,2-Trichloroethane	MSD	RPD	0	%	20
FC19116-7MSD	79-01-6	Trichloroethylene	MSD	REC	101	%	79-123
FC19116-7MSD	79-01-6	Trichloroethylene	MSD	RPD	0	%	20
FC19116-7MSD	75-69-4	Trichlorofluoromethane	MSD	REC	88	%	65-141
FC19116-7MSD	75-69-4	Trichlorofluoromethane	MSD	RPD	0	%	20
FC19116-7MSD	96-18-4	1,2,3-Trichloropropane	MSD	REC	94	%	73-122
FC19116-7MSD	96-18-4	1,2,3-Trichloropropane	MSD	RPD	0	%	20
FC19116-7MSD	95-63-6	1,2,4-Trimethylbenzene	MSD	REC	101	%	76-124
FC19116-7MSD	95-63-6	1,2,4-Trimethylbenzene	MSD	RPD	0	%	20
FC19116-7MSD	108-67-8	1,3,5-Trimethylbenzene	MSD	REC	102	%	75-124
FC19116-7MSD	108-67-8	1,3,5-Trimethylbenzene	MSD	RPD	0	%	20
FC19116-7MSD	108-05-4	Vinyl Acetate	MSD	REC	99	%	54-146
FC19116-7MSD	108-05-4	Vinyl Acetate	MSD	RPD	0	%	20
FC19116-7MSD	75-01-4	Vinyl Chloride	MSD	REC	101	%	58-137
FC19116-7MSD	75-01-4	Vinyl Chloride	MSD	RPD	0	%	20
FC19116-7MSD		m,p-Xylene	MSD	REC	98	%	80-121
FC19116-7MSD		m,p-Xylene	MSD	RPD	0	%	20
FC19116-7MSD	95-47-6	o-Xylene	MSD	REC	94	%	78-122
FC19116-7MSD	95-47-6	o-Xylene	MSD	RPD	0	%	20
FC19116-7MSD	1330-20-7	Xylene (total)	MSD	REC	97	%	79-121
FC19116-7MSD	1330-20-7	Xylene (total)	MSD	RPD	0	%	20
FC19116-7MSD	1868-53-7	Dibromofluoromethane	MSD	SURR	101	%	80-119
FC19116-7MSD	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	105	%	81-118
FC19116-7MSD	2037-26-5	Toluene-D8	MSD	SURR	97	%	89-112
FC19116-7MSD	460-00-4	4-Bromofluorobenzene	MSD	SURR	100	%	85-114
V1A3062-MB	1868-53-7	Dibromofluoromethane	MB	SURR	102	%	80-119
V1A3062-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	107	%	81-118
V1A3062-MB	2037-26-5	Toluene-D8	MB	SURR	96	%	89-112
V1A3062-MB	460-00-4	4-Bromofluorobenzene	MB	SURR	98	%	85-114
FC19116-5	1868-53-7	Dibromofluoromethane	SAMP	SURR	100	%	80-119
FC19116-5	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	103	%	81-118
FC19116-5	2037-26-5	Toluene-D8	SAMP	SURR	96	%	89-112

* Sample used for QC is not from job FC19116A

QC Evaluation: DOD QSM5.x Limits

Job Number: FC19116A
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 09/25/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FC19116-5	460-00-4	4-Bromofluorobenzene	SAMP	SURR	100	%	85-114
FC19116-6	1868-53-7	Dibromofluoromethane	SAMP	SURR	101	%	80-119
FC19116-6	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	105	%	81-118
FC19116-6	2037-26-5	Toluene-D8	SAMP	SURR	98	%	89-112
FC19116-6	460-00-4	4-Bromofluorobenzene	SAMP	SURR	100	%	85-114
FC19116-7	1868-53-7	Dibromofluoromethane	SAMP	SURR	102	%	80-119
FC19116-7	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	107	%	81-118
FC19116-7	2037-26-5	Toluene-D8	SAMP	SURR	97	%	89-112
FC19116-7	460-00-4	4-Bromofluorobenzene	SAMP	SURR	100	%	85-114
FC19116-8	1868-53-7	Dibromofluoromethane	SAMP	SURR	104	%	80-119
FC19116-8	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	106	%	81-118
FC19116-8	2037-26-5	Toluene-D8	SAMP	SURR	97	%	89-112
FC19116-8	460-00-4	4-Bromofluorobenzene	SAMP	SURR	101	%	85-114
V1O4089	SW846 8260D						
V1O4089-BS	95-63-6	1,2,4-Trimethylbenzene	BSP	REC	103	%	76-124
V1O4089-BS	1868-53-7	Dibromofluoromethane	BSP	SURR	107	%	80-119
V1O4089-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	100	%	81-118
V1O4089-BS	2037-26-5	Toluene-D8	BSP	SURR	97	%	89-112
V1O4089-BS	460-00-4	4-Bromofluorobenzene	BSP	SURR	95	%	85-114
FC19169-1MS*	95-63-6	1,2,4-Trimethylbenzene	MS	REC	94	%	76-124
FC19169-1MS*	1868-53-7	Dibromofluoromethane	MS	SURR	105	%	80-119
FC19169-1MS*	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	101	%	81-118
FC19169-1MS*	2037-26-5	Toluene-D8	MS	SURR	95	%	89-112
FC19169-1MS*	460-00-4	4-Bromofluorobenzene	MS	SURR	94	%	85-114
FC19169-1MSD*	95-63-6	1,2,4-Trimethylbenzene	MSD	REC	92	%	76-124
FC19169-1MSD*	95-63-6	1,2,4-Trimethylbenzene	MSD	RPD	2	%	20
FC19169-1MSD*	1868-53-7	Dibromofluoromethane	MSD	SURR	105	%	80-119
FC19169-1MSD*	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	102	%	81-118
FC19169-1MSD*	2037-26-5	Toluene-D8	MSD	SURR	96	%	89-112
FC19169-1MSD*	460-00-4	4-Bromofluorobenzene	MSD	SURR	94	%	85-114
V1O4089-MB	1868-53-7	Dibromofluoromethane	MB	SURR	102	%	80-119
V1O4089-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	100	%	81-118
V1O4089-MB	2037-26-5	Toluene-D8	MB	SURR	98	%	89-112
V1O4089-MB	460-00-4	4-Bromofluorobenzene	MB	SURR	99	%	85-114
FC19116-9	1868-53-7	Dibromofluoromethane	SAMP	SURR	104	%	80-119
FC19116-9	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	100	%	81-118
FC19116-9	2037-26-5	Toluene-D8	SAMP	SURR	98	%	89-112
FC19116-9	460-00-4	4-Bromofluorobenzene	SAMP	SURR	92	%	85-114

* Sample used for QC is not from job FC19116A

MS Volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1A3060-MB [a]	1A59537.D	1	09/29/24	JW	n/a	n/a	V1A3060

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

FC19116-9

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.37	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.45	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.24	ug/l	
75-25-2	Bromoform	ND	1.0	0.41	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.0	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.23	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.24	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.31	ug/l	
75-15-0	Carbon Disulfide	ND	2.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	ND	1.0	0.36	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.67	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.22	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.31	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.34	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	2.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.43	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.31	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.24	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

Method Blank Summary

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1A3060-MB [a]	1A59537.D	1	09/29/24	JW	n/a	n/a	V1A3060

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

FC19116-9

CAS No.	Compound	Result	RL	MDL	Units	Q
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.30	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.22	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
74-83-9	Methyl Bromide	ND	5.0	2.0	ug/l	
74-87-3	Methyl Chloride	ND	2.0	0.50	ug/l	
74-95-3	Methylene Bromide	ND	2.0	0.37	ug/l	
75-09-2	Methylene Chloride	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.23	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.29	ug/l	
100-42-5	Styrene	ND	1.0	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.47	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.35	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.63	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	0.27	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
75-01-4	Vinyl Chloride	ND	1.0	0.41	ug/l	
	m,p-Xylene	ND	2.0	0.47	ug/l	
95-47-6	o-Xylene	ND	1.0	0.26	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	101%	83-118%

Method Blank Summary

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1A3060-MB [a]	1A59537.D	1	09/29/24	JW	n/a	n/a	V1A3060

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

FC19116-9

CAS No.	Surrogate Recoveries		Limits
17060-07-0	1,2-Dichloroethane-D4	103%	79-125%
2037-26-5	Toluene-D8	96%	85-112%
460-00-4	4-Bromofluorobenzene	100%	83-118%

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

(a) Sample was treated with an anti-foaming agent.

Method Blank Summary

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1O4089-MB [a]	1O87885.D	1	09/30/24	JW	n/a	n/a	V1O4089

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

FC19116-9

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	0.32	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	102%	83-118%
17060-07-0	1,2-Dichloroethane-D4	100%	79-125%
2037-26-5	Toluene-D8	98%	85-112%
460-00-4	4-Bromofluorobenzene	99%	83-118%

(a) Sample was treated with an anti-foaming agent.

Method Blank Summary

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1A3062-MB [a]	1A59596.D	1	10/01/24	JW	n/a	n/a	V1A3062

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

FC19116-5, FC19116-6, FC19116-7, FC19116-8

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.37	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.45	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.24	ug/l	
75-25-2	Bromoform	ND	1.0	0.41	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.0	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.23	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.24	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.31	ug/l	
75-15-0	Carbon Disulfide	ND	2.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	ND	1.0	0.36	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.67	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.22	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.31	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.34	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	2.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.43	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.31	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.24	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

Method Blank Summary

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1A3062-MB [a]	1A59596.D	1	10/01/24	JW	n/a	n/a	V1A3062

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

FC19116-5, FC19116-6, FC19116-7, FC19116-8

CAS No.	Compound	Result	RL	MDL	Units	Q
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.30	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.22	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
74-83-9	Methyl Bromide	ND	5.0	2.0	ug/l	
74-87-3	Methyl Chloride	ND	2.0	0.50	ug/l	
74-95-3	Methylene Bromide	ND	2.0	0.37	ug/l	
75-09-2	Methylene Chloride	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.23	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.29	ug/l	
100-42-5	Styrene	ND	1.0	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.47	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.35	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	0.27	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
75-01-4	Vinyl Chloride	ND	1.0	0.41	ug/l	
	m,p-Xylene	ND	2.0	0.47	ug/l	
95-47-6	o-Xylene	ND	1.0	0.26	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	

Method Blank Summary

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1A3062-MB [a]	1A59596.D	1	10/01/24	JW	n/a	n/a	V1A3062

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

FC19116-5, FC19116-6, FC19116-7, FC19116-8

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	102%	83-118%
17060-07-0	1,2-Dichloroethane-D4	107%	79-125%
2037-26-5	Toluene-D8	96%	85-112%
460-00-4	4-Bromofluorobenzene	98%	83-118%

(a) Sample was treated with an anti-foaming agent.

Blank Spike Summary

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1A3060-BS	1A59534.D	1	09/29/24	JW	n/a	n/a	V1A3060

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

FC19116-9

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	137	110	50-147
71-43-2	Benzene	25	25.9	104	81-122
108-86-1	Bromobenzene	25	24.0	96	80-121
74-97-5	Bromochloromethane	25	22.3	89	76-123
75-27-4	Bromodichloromethane	25	24.8	99	79-123
75-25-2	Bromoform	25	26.0	104	66-123
78-93-3	2-Butanone (MEK)	125	123	98	56-143
104-51-8	n-Butylbenzene	25	23.5	94	79-126
135-98-8	sec-Butylbenzene	25	23.2	93	83-133
98-06-6	tert-Butylbenzene	25	25.1	100	80-133
75-15-0	Carbon Disulfide	25	23.3	93	66-148
56-23-5	Carbon Tetrachloride	25	25.8	103	76-136
108-90-7	Chlorobenzene	25	23.7	95	82-124
75-00-3	Chloroethane	25	20.1	80	62-144
67-66-3	Chloroform	25	25.0	100	80-124
95-49-8	o-Chlorotoluene	25	24.4	98	81-127
106-43-4	p-Chlorotoluene	25	24.8	99	83-130
124-48-1	Dibromochloromethane	25	26.7	107	78-122
96-12-8	1,2-Dibromo-3-chloropropane	25	28.5	114	64-123
106-93-4	1,2-Dibromoethane	25	25.5	102	75-120
75-71-8	Dichlorodifluoromethane	25	25.8	103	42-167
95-50-1	1,2-Dichlorobenzene	25	24.1	96	82-124
541-73-1	1,3-Dichlorobenzene	25	23.8	95	84-125
106-46-7	1,4-Dichlorobenzene	25	24.2	97	78-120
75-34-3	1,1-Dichloroethane	25	25.5	102	81-122
107-06-2	1,2-Dichloroethane	25	26.2	105	75-125
75-35-4	1,1-Dichloroethylene	25	27.3	109	78-137
156-59-2	cis-1,2-Dichloroethylene	25	24.4	98	78-120
156-60-5	trans-1,2-Dichloroethylene	25	26.6	106	76-127
540-59-0	1,2-Dichloroethene (total)	50	51.0	102	77-122
78-87-5	1,2-Dichloropropane	25	25.2	101	76-124
142-28-9	1,3-Dichloropropane	25	25.8	103	80-118
594-20-7	2,2-Dichloropropane	25	27.8	111	74-139
563-58-6	1,1-Dichloropropene	25	28.8	115	79-131
10061-01-5	cis-1,3-Dichloropropene	25	25.0	100	75-118
10061-02-6	trans-1,3-Dichloropropene	25	21.8	87	80-120

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1A3060-BS	1A59534.D	1	09/29/24	JW	n/a	n/a	V1A3060

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

FC19116-9

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
100-41-4	Ethylbenzene	25	23.7	95	81-121
87-68-3	Hexachlorobutadiene	25	25.5	102	75-142
591-78-6	2-Hexanone	125	126	101	61-129
98-82-8	Isopropylbenzene	25	24.7	99	83-132
99-87-6	p-Isopropyltoluene	25	24.5	98	79-130
74-83-9	Methyl Bromide	25	24.3	97	59-143
74-87-3	Methyl Chloride	25	23.3	93	50-159
74-95-3	Methylene Bromide	25	24.7	99	78-119
75-09-2	Methylene Chloride	25	26.3	105	69-135
108-10-1	4-Methyl-2-pentanone (MIBK)	125	124	99	66-122
1634-04-4	Methyl Tert Butyl Ether	25	24.5	98	72-117
91-20-3	Naphthalene	25	27.6	110	63-132
103-65-1	n-Propylbenzene	25	24.3	97	82-133
100-42-5	Styrene	25	24.7	99	78-119
630-20-6	1,1,1,2-Tetrachloroethane	25	26.4	106	77-122
79-34-5	1,1,2,2-Tetrachloroethane	25	26.1	104	72-120
127-18-4	Tetrachloroethylene	25	24.3	97	76-135
108-88-3	Toluene	25	24.9	100	80-120
87-61-6	1,2,3-Trichlorobenzene	25	28.0	112	68-131
120-82-1	1,2,4-Trichlorobenzene	25	25.7	103	73-129
71-55-6	1,1,1-Trichloroethane	25	26.6	106	75-130
79-00-5	1,1,2-Trichloroethane	25	25.7	103	76-119
79-01-6	Trichloroethylene	25	25.3	101	81-126
75-69-4	Trichlorofluoromethane	25	20.8	83	71-156
96-18-4	1,2,3-Trichloropropane	25	26.2	105	77-120
108-67-8	1,3,5-Trimethylbenzene	25	25.4	102	79-120
108-05-4	Vinyl Acetate	125	145	116	43-154
75-01-4	Vinyl Chloride	25	23.0	92	69-159
	m,p-Xylene	50	49.9	100	79-126
95-47-6	o-Xylene	25	24.3	97	80-127
1330-20-7	Xylene (total)	75	74.3	99	80-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	98%	83-118%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1A3060-BS	1A59534.D	1	09/29/24	JW	n/a	n/a	V1A3060

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

FC19116-9

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	104%	79-125%
2037-26-5	Toluene-D8	98%	85-112%
460-00-4	4-Bromofluorobenzene	101%	83-118%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1O4089-BS	1O87883.D	1	09/30/24	JW	n/a	n/a	V1O4089

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

FC19116-9

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	25	25.7	103	79-120

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	107%	83-118%
17060-07-0	1,2-Dichloroethane-D4	100%	79-125%
2037-26-5	Toluene-D8	97%	85-112%
460-00-4	4-Bromofluorobenzene	95%	83-118%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1A3062-BS	1A59593.D	1	10/01/24	JW	n/a	n/a	V1A3062

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

FC19116-5, FC19116-6, FC19116-7, FC19116-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	147	118	50-147
71-43-2	Benzene	25	27.7	111	81-122
108-86-1	Bromobenzene	25	25.5	102	80-121
74-97-5	Bromochloromethane	25	24.3	97	76-123
75-27-4	Bromodichloromethane	25	27.3	109	79-123
75-25-2	Bromoform	25	28.5	114	66-123
78-93-3	2-Butanone (MEK)	125	143	114	56-143
104-51-8	n-Butylbenzene	25	25.3	101	79-126
135-98-8	sec-Butylbenzene	25	25.2	101	83-133
98-06-6	tert-Butylbenzene	25	26.4	106	80-133
75-15-0	Carbon Disulfide	25	24.5	98	66-148
56-23-5	Carbon Tetrachloride	25	28.2	113	76-136
108-90-7	Chlorobenzene	25	25.6	102	82-124
75-00-3	Chloroethane	25	22.3	89	62-144
67-66-3	Chloroform	25	27.2	109	80-124
95-49-8	o-Chlorotoluene	25	26.3	105	81-127
106-43-4	p-Chlorotoluene	25	26.7	107	83-130
124-48-1	Dibromochloromethane	25	29.1	116	78-122
96-12-8	1,2-Dibromo-3-chloropropane	25	30.0	120	64-123
106-93-4	1,2-Dibromoethane	25	27.5	110	75-120
75-71-8	Dichlorodifluoromethane	25	27.5	110	42-167
95-50-1	1,2-Dichlorobenzene	25	25.5	102	82-124
541-73-1	1,3-Dichlorobenzene	25	25.3	101	84-125
106-46-7	1,4-Dichlorobenzene	25	25.5	102	78-120
75-34-3	1,1-Dichloroethane	25	27.8	111	81-122
107-06-2	1,2-Dichloroethane	25	28.6	114	75-125
75-35-4	1,1-Dichloroethylene	25	29.6	118	78-137
156-59-2	cis-1,2-Dichloroethylene	25	26.8	107	78-120
156-60-5	trans-1,2-Dichloroethylene	25	28.9	116	76-127
540-59-0	1,2-Dichloroethene (total)	50	55.7	111	77-122
78-87-5	1,2-Dichloropropane	25	26.9	108	76-124
142-28-9	1,3-Dichloropropane	25	27.8	111	80-118
594-20-7	2,2-Dichloropropane	25	30.3	121	74-139
563-58-6	1,1-Dichloropropene	25	31.1	124	79-131
10061-01-5	cis-1,3-Dichloropropene	25	27.8	111	75-118
10061-02-6	trans-1,3-Dichloropropene	25	23.8	95	80-120

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1A3062-BS	1A59593.D	1	10/01/24	JW	n/a	n/a	V1A3062

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

FC19116-5, FC19116-6, FC19116-7, FC19116-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
100-41-4	Ethylbenzene	25	25.3	101	81-121
87-68-3	Hexachlorobutadiene	25	27.6	110	75-142
591-78-6	2-Hexanone	125	147	118	61-129
98-82-8	Isopropylbenzene	25	26.5	106	83-132
99-87-6	p-Isopropyltoluene	25	25.9	104	79-130
74-83-9	Methyl Bromide	25	24.1	96	59-143
74-87-3	Methyl Chloride	25	25.6	102	50-159
74-95-3	Methylene Bromide	25	26.5	106	78-119
75-09-2	Methylene Chloride	25	28.5	114	69-135
108-10-1	4-Methyl-2-pentanone (MIBK)	125	140	112	66-122
1634-04-4	Methyl Tert Butyl Ether	25	26.4	106	72-117
91-20-3	Naphthalene	25	30.2	121	63-132
103-65-1	n-Propylbenzene	25	26.0	104	82-133
100-42-5	Styrene	25	27.0	108	78-119
630-20-6	1,1,1,2-Tetrachloroethane	25	28.8	115	77-122
79-34-5	1,1,2,2-Tetrachloroethane	25	27.7	111	72-120
127-18-4	Tetrachloroethylene	25	25.6	102	76-135
108-88-3	Toluene	25	26.7	107	80-120
87-61-6	1,2,3-Trichlorobenzene	25	31.0	124	68-131
120-82-1	1,2,4-Trichlorobenzene	25	28.3	113	73-129
71-55-6	1,1,1-Trichloroethane	25	29.3	117	75-130
79-00-5	1,1,2-Trichloroethane	25	26.6	106	76-119
79-01-6	Trichloroethylene	25	27.8	111	81-126
75-69-4	Trichlorofluoromethane	25	22.3	89	71-156
96-18-4	1,2,3-Trichloropropane	25	28.3	113	77-120
95-63-6	1,2,4-Trimethylbenzene	25	27.2	109	79-120
108-67-8	1,3,5-Trimethylbenzene	25	27.7	111	79-120
108-05-4	Vinyl Acetate	125	162	130	43-154
75-01-4	Vinyl Chloride	25	24.3	97	69-159
	m,p-Xylene	50	53.4	107	79-126
95-47-6	o-Xylene	25	26.1	104	80-127
1330-20-7	Xylene (total)	75	79.4	106	80-126

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1A3062-BS	1A59593.D	1	10/01/24	JW	n/a	n/a	V1A3062

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

FC19116-5, FC19116-6, FC19116-7, FC19116-8

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	83-118%
17060-07-0	1,2-Dichloroethane-D4	104%	79-125%
2037-26-5	Toluene-D8	98%	85-112%
460-00-4	4-Bromofluorobenzene	100%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FC19130-2MS	1A59558.D	1	09/29/24	JW	n/a	n/a	V1A3060
FC19130-2MSD	1A59559.D	1	09/29/24	JW	n/a	n/a	V1A3060
FC19130-2 [a]	1A59540.D	1	09/29/24	JW	n/a	n/a	V1A3060

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

FC19116-9

CAS No.	Compound	FC19130-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	25 U		125	133	106	125	137	110	3	50-147/21
71-43-2	Benzene	1.0 U		25	26.3	105	25	27.4	110	4	81-122/14
108-86-1	Bromobenzene	1.0 U		25	24.8	99	25	26.1	104	5	80-121/14
74-97-5	Bromochloromethane	1.0 U		25	23.2	93	25	23.8	95	3	76-123/14
75-27-4	Bromodichloromethane	1.0 U		25	25.8	103	25	27.0	108	5	79-123/19
75-25-2	Bromoform	1.0 U		25	25.1	100	25	27.7	111	10	66-123/21
78-93-3	2-Butanone (MEK)	5.0 U		125	109	87	125	129	103	17	56-143/18
104-51-8	n-Butylbenzene	1.0 U		25	24.7	99	25	24.8	99	0	79-126/16
135-98-8	sec-Butylbenzene	1.0 U		25	24.3	97	25	24.9	100	2	83-133/16
98-06-6	tert-Butylbenzene	1.0 U		25	25.8	103	25	26.8	107	4	80-133/16
75-15-0	Carbon Disulfide	2.0 U		25	23.6	94	25	24.5	98	4	66-148/23
56-23-5	Carbon Tetrachloride	1.0 U		25	27.3	109	25	29.6	118	8	76-136/23
108-90-7	Chlorobenzene	1.0 U		25	24.5	98	25	25.3	101	3	82-124/14
75-00-3	Chloroethane	2.0 U		25	21.3	85	25	22.9	92	7	62-144/20
67-66-3	Chloroform	1.0 U		25	26.2	105	25	26.8	107	2	80-124/15
95-49-8	o-Chlorotoluene	1.0 U		25	25.2	101	25	26.2	105	4	81-127/15
106-43-4	p-Chlorotoluene	1.0 U		25	25.7	103	25	26.4	106	3	83-130/15
124-48-1	Dibromochloromethane	1.0 U		25	27.4	110	25	28.8	115	5	78-122/19
96-12-8	1,2-Dibromo-3-chloropropane	5.0 U		25	26.5	106	25	32.4	130*	20*	64-123/18
106-93-4	1,2-Dibromoethane	2.0 U		25	26.0	104	25	27.7	111	6	75-120/13
75-71-8	Dichlorodifluoromethane	1.9	J	25	30.9	116	25	29.9	112	3	42-167/19
95-50-1	1,2-Dichlorobenzene	1.0 U		25	24.0	96	25	25.3	101	5	82-124/14
541-73-1	1,3-Dichlorobenzene	1.0 U		25	24.0	96	25	24.8	99	3	84-125/14
106-46-7	1,4-Dichlorobenzene	1.0 U		25	24.3	97	25	25.2	101	4	78-120/15
75-34-3	1,1-Dichloroethane	5.1		25	31.9	107	25	32.1	108	1	81-122/15
107-06-2	1,2-Dichloroethane	1.0 U		25	27.1	108	25	28.2	113	4	75-125/14
75-35-4	1,1-Dichloroethylene	1.0 U		25	29.7	119	25	30.4	122	2	78-137/18
156-59-2	cis-1,2-Dichloroethylene	6.7		25	32.3	102	25	33.1	106	2	78-120/15
156-60-5	trans-1,2-Dichloroethylene	0.36	J	25	28.0	111	25	29.3	116	5	76-127/17
540-59-0	1,2-Dichloroethene (total)	7.1		50	60.3	106	50	62.4	111	3	77-122/15
78-87-5	1,2-Dichloropropane	1.0 U		25	25.8	103	25	27.0	108	5	76-124/14
142-28-9	1,3-Dichloropropane	1.0 U		25	26.9	108	25	28.3	113	5	80-118/13
594-20-7	2,2-Dichloropropane	1.0 U		25	27.4	110	25	28.2	113	3	74-139/17
563-58-6	1,1-Dichloropropene	1.0 U		25	30.4	122	25	31.2	125	3	79-131/16
10061-01-5	cis-1,3-Dichloropropene	1.0 U		25	25.2	101	25	26.7	107	6	75-118/23
10061-02-6	trans-1,3-Dichloropropene	1.0 U		25	21.8	87	25	23.2	93	6	80-120/22

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FC19130-2MS	1A59558.D	1	09/29/24	JW	n/a	n/a	V1A3060
FC19130-2MSD	1A59559.D	1	09/29/24	JW	n/a	n/a	V1A3060
FC19130-2 [a]	1A59540.D	1	09/29/24	JW	n/a	n/a	V1A3060

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

FC19116-9

CAS No.	Compound	FC19130-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
100-41-4	Ethylbenzene	1.0 U		25	24.4	98	25	25.4	102	4	81-121/14
87-68-3	Hexachlorobutadiene	2.0 U		25	20.4	82	25	22.1	88	8	75-142/19
591-78-6	2-Hexanone	10 U		125	119	95	125	137	110	14	61-129/18
98-82-8	Isopropylbenzene	1.0 U		25	25.8	103	25	26.8	107	4	83-132/15
99-87-6	p-Isopropyltoluene	1.0 U		25	26.0	104	25	26.2	105	1	79-130/16
74-83-9	Methyl Bromide	5.0 U		25	20.2	81	25	23.2	93	14	59-143/19
74-87-3	Methyl Chloride	2.0 U		25	25.9	104	25	25.6	102	1	50-159/19
74-95-3	Methylene Bromide	2.0 U		25	25.1	100	25	26.6	106	6	78-119/14
75-09-2	Methylene Chloride	5.0 U		25	25.5	102	25	26.5	106	4	69-135/16
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0 U		125	117	94	125	133	106	13	66-122/16
1634-04-4	Methyl Tert Butyl Ether	1.0 U		25	24.6	98	25	26.4	106	7	72-117/14
91-20-3	Naphthalene	5.0 U		25	30.3	121	25	33.8	135*	11	63-132/25
103-65-1	n-Propylbenzene	1.0 U		25	25.3	101	25	26.0	104	3	82-133/15
100-42-5	Styrene	1.0 U		25	25.3	101	25	26.5	106	5	78-119/23
630-20-6	1,1,1,2-Tetrachloroethane	1.0 U		25	27.5	110	25	28.8	115	5	77-122/19
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U		25	27.1	108	25	29.9	120	10	72-120/14
127-18-4	Tetrachloroethylene	1.0 U		25	24.8	99	25	25.8	103	4	76-135/16
108-88-3	Toluene	1.0 U		25	25.7	103	25	26.7	107	4	80-120/14
87-61-6	1,2,3-Trichlorobenzene	2.0 U		25	23.5	94	25	29.7	119	23	68-131/25
120-82-1	1,2,4-Trichlorobenzene	2.0 U		25	23.8	95	25	27.8	111	16	73-129/20
71-55-6	1,1,1-Trichloroethane	1.0 U		25	28.6	114	25	28.9	116	1	75-130/16
79-00-5	1,1,2-Trichloroethane	1.0 U		25	25.3	101	25	26.8	107	6	76-119/14
79-01-6	Trichloroethylene	1.0 U		25	26.1	104	25	27.0	108	3	81-126/15
75-69-4	Trichlorofluoromethane	2.0 U		25	22.8	91	25	23.3	93	2	71-156/21
96-18-4	1,2,3-Trichloropropane	2.0 U		25	26.7	107	25	30.1	120	12	77-120/16
108-67-8	1,3,5-Trimethylbenzene	1.0 U		25	27.0	108	25	27.7	111	3	79-120/19
108-05-4	Vinyl Acetate	10 U		125	140	112	125	153	122	9	43-154/14
75-01-4	Vinyl Chloride	1.0 U		25	25.2	101	25	26.5	106	5	69-159/18
	m,p-Xylene	2.0 U		50	51.1	102	50	53.4	107	4	79-126/15
95-47-6	o-Xylene	1.0 U		25	25.2	101	25	26.4	106	5	80-127/14
1330-20-7	Xylene (total)	3.0 U		75	76.3	102	75	79.8	106	4	80-126/15

CAS No.	Surrogate Recoveries	MS	MSD	FC19130-2	Limits
1868-53-7	Dibromofluoromethane	98%	98%	103%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FC19130-2MS	1A59558.D	1	09/29/24	JW	n/a	n/a	V1A3060
FC19130-2MSD	1A59559.D	1	09/29/24	JW	n/a	n/a	V1A3060
FC19130-2 [a]	1A59540.D	1	09/29/24	JW	n/a	n/a	V1A3060

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

FC19116-9

CAS No.	Surrogate Recoveries	MS	MSD	FC19130-2	Limits
17060-07-0	1,2-Dichloroethane-D4	107%	106%	106%	79-125%
2037-26-5	Toluene-D8	99%	99%	97%	85-112%
460-00-4	4-Bromofluorobenzene	101%	103%	102%	83-118%

(a) Sample was not preserved to a pH < 2.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FC19169-1MS	1O87907.D	1	09/30/24	JW	n/a	n/a	V1O4089
FC19169-1MSD	1O87908.D	1	09/30/24	JW	n/a	n/a	V1O4089
FC19169-1	1O87887.D	1	09/30/24	JW	n/a	n/a	V1O4089

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

FC19116-9

CAS No.	Compound	FC19169-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	1.0	U	25	23.5	94	25	23.1	92	2	79-120/18

CAS No.	Surrogate Recoveries	MS	MSD	FC19169-1	Limits
1868-53-7	Dibromofluoromethane	105%	105%	103%	83-118%
17060-07-0	1,2-Dichloroethane-D4	101%	102%	100%	79-125%
2037-26-5	Toluene-D8	95%	96%	97%	85-112%
460-00-4	4-Bromofluorobenzene	94%	94%	95%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FC19116-7MS	1A59619.D	1	10/01/24	JW	n/a	n/a	V1A3062
FC19116-7MSD	1A59620.D	1	10/01/24	JW	n/a	n/a	V1A3062
FC19116-7	1A59598.D	1	10/01/24	JW	n/a	n/a	V1A3062

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

FC19116-5, FC19116-6, FC19116-7, FC19116-8

CAS No.	Compound	FC19116-7 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	25	U	125	109	87	125	109	87	0	50-147/21
71-43-2	Benzene	1.0	U	25	26.7	107	25	26.1	104	0	81-122/14
108-86-1	Bromobenzene	1.0	U	25	23.9	96	25	23.3	93	0	80-121/14
74-97-5	Bromochloromethane	1.0	U	25	22.6	90	25	22.7	91	0	76-123/14
75-27-4	Bromodichloromethane	1.0	U	25	26.7	107	25	26.2	105	0	79-123/19
75-25-2	Bromoform	1.0	U	25	23.8	95	25	23.5	94	0	66-123/21
78-93-3	2-Butanone (MEK)	5.0	U	125	105	84	125	101	81	0	56-143/18
104-51-8	n-Butylbenzene	1.0	U	25	24.7	99	25	23.9	96	0	79-126/16
135-98-8	sec-Butylbenzene	1.0	U	25	24.5	98	25	23.7	95	0	83-133/16
98-06-6	tert-Butylbenzene	1.0	U	25	25.9	104	25	24.9	100	0	80-133/16
75-15-0	Carbon Disulfide	2.0	U	25	24.1	96	25	23.3	93	0	66-148/23
56-23-5	Carbon Tetrachloride	1.0	U	25	27.7	111	25	26.7	107	0	76-136/23
108-90-7	Chlorobenzene	1.0	U	25	24.2	97	25	23.4	94	0	82-124/14
75-00-3	Chloroethane	2.0	U	25	21.7	87	25	22.6	90	0	62-144/20
67-66-3	Chloroform	1.0	U	25	26.7	107	25	26.6	106	0	80-124/15
95-49-8	o-Chlorotoluene	1.0	U	25	24.5	98	25	24.3	97	0	81-127/15
106-43-4	p-Chlorotoluene	1.0	U	25	25.2	101	25	24.5	98	0	83-130/15
124-48-1	Dibromochloromethane	1.0	U	25	26.0	104	25	26.2	105	0	78-122/19
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	25	24.5	98	25	23.9	96	0	64-123/18
106-93-4	1,2-Dibromoethane	2.0	U	25	24.2	97	25	24.6	98	0	75-120/13
75-71-8	Dichlorodifluoromethane	2.0	U	25	27.9	112	25	27.2	109	0	42-167/19
95-50-1	1,2-Dichlorobenzene	1.0	U	25	23.0	92	25	23.4	94	0	82-124/14
541-73-1	1,3-Dichlorobenzene	1.0	U	25	23.7	95	25	23.7	95	0	84-125/14
106-46-7	1,4-Dichlorobenzene	1.0	U	25	24.1	96	25	23.5	94	0	78-120/15
75-34-3	1,1-Dichloroethane	1.0	U	25	27.0	108	25	26.4	106	0	81-122/15
107-06-2	1,2-Dichloroethane	1.0	U	25	27.1	108	25	27.2	109	0	75-125/14
75-35-4	1,1-Dichloroethylene	1.0	U	25	29.6	118	25	28.8	115	0	78-137/18
156-59-2	cis-1,2-Dichloroethylene	1.0	U	25	26.0	104	25	25.4	102	0	78-120/15
156-60-5	trans-1,2-Dichloroethylene	1.0	U	25	28.1	112	25	27.6	110	0	76-127/17
540-59-0	1,2-Dichloroethene (total)	2.0	U	50	54.1	108	50	53.0	106	0	77-122/15
78-87-5	1,2-Dichloropropane	1.0	U	25	26.4	106	25	25.9	104	0	76-124/14
142-28-9	1,3-Dichloropropane	1.0	U	25	24.9	100	25	25.1	100	0	80-118/13
594-20-7	2,2-Dichloropropane	1.0	U	25	28.0	112	25	26.9	108	0	74-139/17
563-58-6	1,1-Dichloropropene	1.0	U	25	30.2	121	25	29.0	116	0	79-131/16
10061-01-5	cis-1,3-Dichloropropene	1.0	U	25	24.5	98	25	24.0	96	0	75-118/23
10061-02-6	trans-1,3-Dichloropropene	1.0	U	25	21.0	84	25	20.6	82	0	80-120/22

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FC19116-7MS	1A59619.D	1	10/01/24	JW	n/a	n/a	V1A3062
FC19116-7MSD	1A59620.D	1	10/01/24	JW	n/a	n/a	V1A3062
FC19116-7	1A59598.D	1	10/01/24	JW	n/a	n/a	V1A3062

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

FC19116-5, FC19116-6, FC19116-7, FC19116-8

CAS No.	Compound	FC19116-7 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
100-41-4	Ethylbenzene	1.0 U		25	24.1	96	25	23.3	93	0	81-121/14
87-68-3	Hexachlorobutadiene	2.0 U		25	24.0	96	25	23.6	94	0	75-142/19
591-78-6	2-Hexanone	10 U		125	107	86	125	103	82	0	61-129/18
98-82-8	Isopropylbenzene	1.0 U		25	25.1	100	25	24.4	98	0	83-132/15
99-87-6	p-Isopropyltoluene	1.0 U		25	25.4	102	25	24.4	98	0	79-130/16
74-83-9	Methyl Bromide	5.0 U		25	24.7	99	25	24.8	99	0	59-143/19
74-87-3	Methyl Chloride	2.0 U		25	27.1	108	25	27.2	109	0	50-159/19
74-95-3	Methylene Bromide	2.0 U		25	24.1	96	25	24.1	96	0	78-119/14
75-09-2	Methylene Chloride	5.0 U		25	27.2	109	25	26.7	107	0	69-135/16
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0 U		125	110	88	125	106	85	0	66-122/16
1634-04-4	Methyl Tert Butyl Ether	1.0 U		25	23.1	92	25	22.7	91	0	72-117/14
91-20-3	Naphthalene	5.0 U		25	22.8	91	25	23.7	95	0	63-132/25
103-65-1	n-Propylbenzene	1.0 U		25	24.8	99	25	24.2	97	0	82-133/15
100-42-5	Styrene	1.0 U		25	24.5	98	25	24.1	96	0	78-119/23
630-20-6	1,1,1,2-Tetrachloroethane	1.0 U		25	26.9	108	25	26.5	106	0	77-122/19
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U		25	23.6	94	25	23.9	96	0	72-120/14
127-18-4	Tetrachloroethylene	1.0 U		25	24.0	96	25	22.9	92	0	76-135/16
108-88-3	Toluene	1.0 U		25	25.2	101	25	24.3	97	0	80-120/14
87-61-6	1,2,3-Trichlorobenzene	2.0 U		25	24.3	97	25	24.3	97	0	68-131/25
120-82-1	1,2,4-Trichlorobenzene	2.0 U		25	24.1	96	25	24.0	96	0	73-129/20
71-55-6	1,1,1-Trichloroethane	1.0 U		25	28.8	115	25	28.1	112	0	75-130/16
79-00-5	1,1,2-Trichloroethane	1.0 U		25	24.3	97	25	24.5	98	0	76-119/14
79-01-6	Trichloroethylene	1.0 U		25	26.5	106	25	25.2	101	0	81-126/15
75-69-4	Trichlorofluoromethane	2.0 U		25	22.7	91	25	22.1	88	0	71-156/21
96-18-4	1,2,3-Trichloropropane	2.0 U		25	23.5	94	25	23.5	94	0	77-120/16
95-63-6	1,2,4-Trimethylbenzene	1.0 U		25	26.4	106	25	25.2	101	0	79-120/18
108-67-8	1,3,5-Trimethylbenzene	1.0 U		25	26.2	105	25	25.5	102	0	79-120/19
108-05-4	Vinyl Acetate	10 U		125	131	105	125	124	99	0	43-154/14
75-01-4	Vinyl Chloride	1.0 U		25	25.3	101	25	25.2	101	0	69-159/18
	m,p-Xylene	2.0 U		50	50.2	100	50	48.9	98	0	79-126/15
95-47-6	o-Xylene	1.0 U		25	24.4	98	25	23.6	94	0	80-127/14
1330-20-7	Xylene (total)	3.0 U		75	74.6	99	75	72.4	97	0	80-126/15

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FC19116-7MS	1A59619.D	1	10/01/24	JW	n/a	n/a	V1A3062
FC19116-7MSD	1A59620.D	1	10/01/24	JW	n/a	n/a	V1A3062
FC19116-7	1A59598.D	1	10/01/24	JW	n/a	n/a	V1A3062

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

FC19116-5, FC19116-6, FC19116-7, FC19116-8

CAS No.	Surrogate Recoveries	MS	MSD	FC19116-7	Limits
1868-53-7	Dibromofluoromethane	99%	101%	102%	83-118%
17060-07-0	1,2-Dichloroethane-D4	104%	105%	107%	79-125%
2037-26-5	Toluene-D8	98%	97%	97%	85-112%
460-00-4	4-Bromofluorobenzene	100%	100%	100%	83-118%

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample:	V1A3047-BFB	**Injection Date:**	09/18/24
Lab File ID:	1A59227.D	**Injection Time:**	07:29
Instrument ID:	GCMS1A		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
95	Base peak, 100% relative abundance	38776	100.0		Pass
96	5.0 - 9.0% of mass 95	2651	6.84		Pass
173	Less than 2.0% of mass 174	293	0.76	(0.82) [a]	Pass
174	50.0 - 200.0% of mass 95	35837	92.4		Pass
175	5.0 - 9.0% of mass 174	2577	6.65	(7.19) [a]	Pass
176	95.0 - 105.0% of mass 174	34475	88.9	(96.2) [a]	Pass
177	5.0 - 10.0% of mass 176	2270	5.85	(6.58) [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
V1A3047-IC3047	1A59229.D	09/18/24	08:10	00:41	Initial cal 1
V1A3047-IC3047	1A59231.D	09/18/24	08:42	01:13	Initial cal 8
V1A3047-IC3047	1A59233.D	09/18/24	09:14	01:45	Initial cal 2
V1A3047-IC3047	1A59235.D	09/18/24	09:46	02:17	Initial cal 3
V1A3047-IC3047	1A59237.D	09/18/24	10:18	02:49	Initial cal 4
V1A3047-ICC3047	1A59239.D	09/18/24	10:51	03:22	Initial cal 5
V1A3047-IC3047	1A59241.D	09/18/24	11:23	03:54	Initial cal 6
V1A3047-IC3047	1A59243.D	09/18/24	11:55	04:26	Initial cal 7
V1A3047-ICV3047	1A59249.D	09/18/24	13:31	06:02	Initial cal verification 5
V1A3047-ICV3047	1A59251.D	09/18/24	14:03	06:34	Initial cal verification 4
V1A3047-BS	1A59251A.D	09/18/24	14:03	06:34	Blank Spike
V1A3047-MB	1A59257.D	09/18/24	15:40	08:11	Method Blank
FC18845-2	1A59259.D	09/18/24	16:12	08:43	(used for QC only; not part of job FC19116A)
ZZZZZZ	1A59261.D	09/18/24	16:44	09:15	(unrelated sample)
ZZZZZZ	1A59263.D	09/18/24	17:16	09:47	(unrelated sample)
ZZZZZZ	1A59265.D	09/18/24	17:48	10:19	(unrelated sample)
ZZZZZZ	1A59267.D	09/18/24	18:20	10:51	(unrelated sample)
ZZZZZZ	1A59269.D	09/18/24	18:52	11:23	(unrelated sample)
FC18845-2MS	1A59271.D	09/18/24	19:24	11:55	Matrix Spike
FC18845-2MSD	1A59273.D	09/18/24	19:56	12:27	Matrix Spike Duplicate
V1A3047-ECC3047	1A59275.D	09/18/24	20:28	12:59	Ending cal 5

Instrument Performance Check (BFB)

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1A3060-BFB
Lab File ID: 1A59532.D
Instrument ID: GCMS1A
Injection Date: 09/29/24
Injection Time: 10:06

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
95	Base peak, 100% relative abundance	54851	100.0		Pass
96	5.0 - 9.0% of mass 95	3778	6.89		Pass
173	Less than 2.0% of mass 174	390	0.71	(0.87) [a]	Pass
174	50.0 - 200.0% of mass 95	44675	81.4		Pass
175	5.0 - 9.0% of mass 174	3233	5.89	(7.24) [a]	Pass
176	95.0 - 105.0% of mass 174	43384	79.1	(97.1) [a]	Pass
177	5.0 - 10.0% of mass 176	2860	5.21	(6.59) [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
V1A3060-CC3047	1A59533.D	09/29/24	10:30	00:24	Continuing cal 5
V1A3060-BS	1A59534.D	09/29/24	10:55	00:49	Blank Spike
V1A3060-MB	1A59537.D	09/29/24	12:07	02:01	Method Blank
ZZZZZZ	1A59538.D	09/29/24	12:35	02:29	(unrelated sample)
ZZZZZZ	1A59539.D	09/29/24	12:59	02:53	(unrelated sample)
FC19130-2	1A59540.D	09/29/24	13:24	03:18	(used for QC only; not part of job FC19116A)
ZZZZZZ	1A59541.D	09/29/24	13:48	03:42	(unrelated sample)
ZZZZZZ	1A59542.D	09/29/24	14:12	04:06	(unrelated sample)
ZZZZZZ	1A59543.D	09/29/24	14:36	04:30	(unrelated sample)
ZZZZZZ	1A59544.D	09/29/24	15:00	04:54	(unrelated sample)
ZZZZZZ	1A59545.D	09/29/24	15:25	05:19	(unrelated sample)
ZZZZZZ	1A59546.D	09/29/24	15:49	05:43	(unrelated sample)
ZZZZZZ	1A59547.D	09/29/24	16:13	06:07	(unrelated sample)
ZZZZZZ	1A59548.D	09/29/24	16:37	06:31	(unrelated sample)
ZZZZZZ	1A59549.D	09/29/24	17:02	06:56	(unrelated sample)
ZZZZZZ	1A59550.D	09/29/24	17:26	07:20	(unrelated sample)
ZZZZZZ	1A59551.D	09/29/24	17:50	07:44	(unrelated sample)
ZZZZZZ	1A59552.D	09/29/24	18:14	08:08	(unrelated sample)
ZZZZZZ	1A59553.D	09/29/24	18:39	08:33	(unrelated sample)
ZZZZZZ	1A59554.D	09/29/24	19:03	08:57	(unrelated sample)
ZZZZZZ	1A59555.D	09/29/24	19:27	09:21	(unrelated sample)
ZZZZZZ	1A59556.D	09/29/24	19:51	09:45	(unrelated sample)
FC19116-9	1A59557.D	09/29/24	20:15	10:09	789MW-98_0924
FC19130-2MS	1A59558.D	09/29/24	20:40	10:34	Matrix Spike
FC19130-2MSD	1A59559.D	09/29/24	21:04	10:58	Matrix Spike Duplicate
V1A3060-ECC3047	1A59560.D	09/29/24	21:28	11:22	Ending cal 5

Instrument Performance Check (BFB)

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1A3062-BFB
Lab File ID: 1A59591.D
Instrument ID: GCMS1A
Injection Date: 10/01/24
Injection Time: 06:18

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
95	Base peak, 100% relative abundance	55957	100.0		Pass
96	5.0 - 9.0% of mass 95	3669	6.56		Pass
173	Less than 2.0% of mass 174	429	0.77	(0.87) [a]	Pass
174	50.0 - 200.0% of mass 95	49296	88.1		Pass
175	5.0 - 9.0% of mass 174	3480	6.22	(7.06) [a]	Pass
176	95.0 - 105.0% of mass 174	47485	84.9	(96.3) [a]	Pass
177	5.0 - 10.0% of mass 176	3079	5.50	(6.48) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V1A3062-CC3047	1A59592.D	10/01/24	06:42	00:24	Continuing cal 5
V1A3062-BS	1A59593.D	10/01/24	07:07	00:49	Blank Spike
V1A3062-MB	1A59596.D	10/01/24	08:20	02:02	Method Blank
ZZZZZZ	1A59597.D	10/01/24	08:45	02:27	(unrelated sample)
FC19116-7	1A59598.D	10/01/24	09:09	02:51	789MW-222_0924
FC19164-5	1A59599.D	10/01/24	09:33	03:15	(used for QC only; not part of job FC19116A)
ZZZZZZ	1A59600.D	10/01/24	09:57	03:39	(unrelated sample)
ZZZZZZ	1A59601.D	10/01/24	10:22	04:04	(unrelated sample)
ZZZZZZ	1A59602.D	10/01/24	10:46	04:28	(unrelated sample)
ZZZZZZ	1A59603.D	10/01/24	11:10	04:52	(unrelated sample)
FC19116-5	1A59604.D	10/01/24	11:34	05:16	789MW-99_0924
FC19116-6	1A59605.D	10/01/24	11:58	05:40	789MW-99_0924-A
FC19116-8	1A59606.D	10/01/24	12:22	06:04	789MW-83_0924
ZZZZZZ	1A59607.D	10/01/24	12:46	06:28	(unrelated sample)
ZZZZZZ	1A59608.D	10/01/24	13:11	06:53	(unrelated sample)
ZZZZZZ	1A59609.D	10/01/24	13:35	07:17	(unrelated sample)
ZZZZZZ	1A59610.D	10/01/24	13:59	07:41	(unrelated sample)
ZZZZZZ	1A59611.D	10/01/24	14:23	08:05	(unrelated sample)
ZZZZZZ	1A59612.D	10/01/24	14:47	08:29	(unrelated sample)
ZZZZZZ	1A59613.D	10/01/24	15:11	08:53	(unrelated sample)
ZZZZZZ	1A59614.D	10/01/24	15:36	09:18	(unrelated sample)
ZZZZZZ	1A59615.D	10/01/24	16:00	09:42	(unrelated sample)
ZZZZZZ	1A59616.D	10/01/24	16:24	10:06	(unrelated sample)
FC19164-5MS	1A59617.D	10/01/24	16:48	10:30	Matrix Spike
FC19164-5MSD	1A59618.D	10/01/24	17:12	10:54	Matrix Spike Duplicate
FC19116-7MS	1A59619.D	10/01/24	17:36	11:18	Matrix Spike

Instrument Performance Check (BFB)

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample:	V1A3062-BFB	**Injection Date:**	10/01/24
Lab File ID:	1A59591.D	**Injection Time:**	06:18
Instrument ID:	GCMS1A		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
FC19116-7MSD	1A59620.D	10/01/24	18:01	11:43	Matrix Spike Duplicate
V1A3062-ECC3047	1A59621.D	10/01/24	18:25	12:07	Ending cal 5
V1A3063-CC3047	1A59623.D	10/01/24	19:13	12:55	Continuing cal 5
V1A3063-MB	1A59626.D	10/01/24	20:25	14:07	Method Blank
ZZZZZZ	1A59627.D	10/01/24	20:50	14:32	(unrelated sample)
ZZZZZZ	1A59628.D	10/01/24	21:14	14:56	(unrelated sample)
ZZZZZZ	1A59629.D	10/01/24	21:38	15:20	(unrelated sample)
ZZZZZZ	1A59630.D	10/01/24	22:02	15:44	(unrelated sample)
ZZZZZZ	1A59631.D	10/01/24	22:27	16:09	(unrelated sample)
ZZZZZZ	1A59632.D	10/01/24	22:51	16:33	(unrelated sample)
ZZZZZZ	1A59633.D	10/01/24	23:15	16:57	(unrelated sample)
V1A3063-ECC3047	1A59634.D	10/01/24	23:39	17:21	Ending cal 5

Instrument Performance Check (BFB)

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1O4046-BFB
Lab File ID: 1O86789.D
Instrument ID: GCMS1O
Injection Date: 08/15/24
Injection Time: 08:15

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
95	Base peak, 100% relative abundance	187179	100.0		Pass
96	5.0 - 9.0% of mass 95	12621	6.74		Pass
173	Less than 2.0% of mass 174	862	0.46	(0.76) [a]	Pass
174	50.0 - 200.0% of mass 95	113493	60.6		Pass
175	5.0 - 9.0% of mass 174	8188	4.37	(7.21) [a]	Pass
176	95.0 - 105.0% of mass 174	109653	58.6	(96.6) [a]	Pass
177	5.0 - 10.0% of mass 176	7093	3.79	(6.47) [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
V1O4046-IC4046	1O86790.D	08/15/24	08:48	00:33	Initial cal 1
V1O4046-IC4046	1O86791.D	08/15/24	09:13	00:58	Initial cal 8
V1O4046-IC4046	1O86792.D	08/15/24	09:38	01:23	Initial cal 2
V1O4046-IC4046	1O86793.D	08/15/24	10:03	01:48	Initial cal 3
V1O4046-IC4046	1O86794.D	08/15/24	10:29	02:14	Initial cal 4
V1O4046-ICC4046	1O86795.D	08/15/24	10:54	02:39	Initial cal 5
V1O4046-IC4046	1O86796.D	08/15/24	11:19	03:04	Initial cal 6
V1O4046-IC4046	1O86797.D	08/15/24	11:44	03:29	Initial cal 7
V1O4046-ICV4046	1O86799.D	08/15/24	12:35	04:20	Initial cal verification 5
V1O4046-ICV4046	1O86800.D	08/15/24	13:10	04:55	Initial cal verification 4

Instrument Performance Check (BFB)

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1O4089-BFB
Lab File ID: 1O87881.D
Instrument ID: GCMS1O
Injection Date: 09/30/24
Injection Time: 05:57

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
95	Base peak, 100% relative abundance	180075	100.0		Pass
96	5.0 - 9.0% of mass 95	12416	6.89		Pass
173	Less than 2.0% of mass 174	774	0.43	(0.71) [a]	Pass
174	50.0 - 200.0% of mass 95	109392	60.7		Pass
175	5.0 - 9.0% of mass 174	8271	4.59	(7.56) [a]	Pass
176	95.0 - 105.0% of mass 174	106749	59.3	(97.6) [a]	Pass
177	5.0 - 10.0% of mass 176	6814	3.78	(6.38) [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
V1O4089-CC4046	1O87882.D	09/30/24	06:22	00:25	Continuing cal 5
V1O4089-BS	1O87883.D	09/30/24	06:51	00:54	Blank Spike
V1O4089-MB	1O87885.D	09/30/24	07:41	01:44	Method Blank
FC19169-1	1O87887.D	09/30/24	08:34	02:37	(used for QC only; not part of job FC19116A)
ZZZZZZ	1O87888.D	09/30/24	09:00	03:03	(unrelated sample)
ZZZZZZ	1O87889.D	09/30/24	09:25	03:28	(unrelated sample)
ZZZZZZ	1O87890.D	09/30/24	09:50	03:53	(unrelated sample)
ZZZZZZ	1O87891.D	09/30/24	10:16	04:19	(unrelated sample)
ZZZZZZ	1O87892.D	09/30/24	10:41	04:44	(unrelated sample)
ZZZZZZ	1O87893.D	09/30/24	11:06	05:09	(unrelated sample)
ZZZZZZ	1O87894.D	09/30/24	11:31	05:34	(unrelated sample)
ZZZZZZ	1O87895.D	09/30/24	11:56	05:59	(unrelated sample)
ZZZZZZ	1O87896.D	09/30/24	12:21	06:24	(unrelated sample)
ZZZZZZ	1O87897.D	09/30/24	12:47	06:50	(unrelated sample)
ZZZZZZ	1O87898.D	09/30/24	13:12	07:15	(unrelated sample)
ZZZZZZ	1O87899.D	09/30/24	13:37	07:40	(unrelated sample)
ZZZZZZ	1O87900.D	09/30/24	14:02	08:05	(unrelated sample)
ZZZZZZ	1O87901.D	09/30/24	14:28	08:31	(unrelated sample)
ZZZZZZ	1O87902.D	09/30/24	14:53	08:56	(unrelated sample)
ZZZZZZ	1O87903.D	09/30/24	15:18	09:21	(unrelated sample)
ZZZZZZ	1O87904.D	09/30/24	15:43	09:46	(unrelated sample)
ZZZZZZ	1O87905.D	09/30/24	16:08	10:11	(unrelated sample)
FC19116-9	1O87906.D	09/30/24	16:33	10:36	789MW-98_0924
FC19169-1MS	1O87907.D	09/30/24	16:59	11:02	Matrix Spike
FC19169-1MSD	1O87908.D	09/30/24	17:24	11:27	Matrix Spike Duplicate
V1O4089-ECC4046	1O87909.D	09/30/24	17:49	11:52	Ending cal 5

Internal Standard Area Summary

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Check Std:	V1A3060-CC3047	**Injection Date:**	09/29/24
Lab File ID:	1A59533.D	**Injection Time:**	10:30
Instrument ID:	GCMS1A	**Method:**	SW846 8260D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Initial Cal [a]	213708	3.40	146209	5.34	76819	7.08
Check Std [b]	254005	3.40	177121	5.35	94181	7.09
Upper Limit [c]	508010	3.57	354242	5.52	188362	7.26
Lower Limit [d]	127003	3.23	88561	5.18	47091	6.92

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V1A3060-BS	250906	3.40	175516	5.35	90742	7.09
V1A3060-MB [e]	236679	3.40	170142	5.35	86876	7.09
ZZZZZZ	234735	3.40	167451	5.35	84302	7.09
ZZZZZZ	234293	3.40	166433	5.35	84246	7.09
FC19130-2	231551	3.40	164449	5.34	81764	7.09
ZZZZZZ	233823	3.40	168862	5.35	84554	7.09
ZZZZZZ	226841	3.40	161366	5.35	82698	7.09
ZZZZZZ	230199	3.40	168403	5.35	84309	7.09
ZZZZZZ	230289	3.40	164033	5.35	83409	7.09
ZZZZZZ	227313	3.40	162212	5.35	82214	7.09
ZZZZZZ	227869	3.40	164306	5.35	84162	7.09
ZZZZZZ	224811	3.40	164041	5.35	83269	7.09
ZZZZZZ	229329	3.40	165686	5.35	83774	7.09
ZZZZZZ	228474	3.40	165090	5.35	83136	7.09
ZZZZZZ	228363	3.40	165251	5.35	84259	7.09
ZZZZZZ	229606	3.40	164192	5.35	83476	7.09
ZZZZZZ	225053	3.40	161465	5.35	82895	7.09
ZZZZZZ	225084	3.40	163681	5.35	81926	7.09
ZZZZZZ	228511	3.40	163657	5.35	83484	7.09
ZZZZZZ	225574	3.40	161596	5.34	81021	7.09
ZZZZZZ	225551	3.40	161887	5.35	81568	7.09
FC19116-9	248850	3.40	175014	5.35	86092	7.09
FC19130-2MS	250881	3.40	174755	5.35	90079	7.09
FC19130-2MSD	256012	3.40	177778	5.35	91542	7.09
V1A3060-ECC3047	256847	3.40	179703	5.35	92270	7.09

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5
IS 3 = 1,4-Dichlorobenzene-d4

(a) Initial Cal is: V1A3047-ICC3047 1A59239.D 09/18/24 10:51
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.

Internal Standard Area Summary

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Check Std:	V1A3060-CC3047	**Injection Date:**	09/29/24
Lab File ID:	1A59533.D	**Injection Time:**	10:30
Instrument ID:	GCMS1A	**Method:**	SW846 8260D

Lab Sample ID	IS 1 AREA	IS 1 RT	IS 2 AREA	IS 2 RT	IS 3 AREA	IS 3 RT

(d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.
(e) Sample was treated with an anti-foaming agent.

Internal Standard Area Summary

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Check Std:	V1A3062-CC3047	**Injection Date:**	10/01/24
Lab File ID:	1A59592.D	**Injection Time:**	06:42
Instrument ID:	GCMS1A	**Method:**	SW846 8260D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Initial Cal [a]	213708	3.40	146209	5.34	76819	7.08
Check Std [b]	257075	3.40	182445	5.35	94937	7.09
Upper Limit [c]	514150	3.57	364890	5.52	189874	7.26
Lower Limit [d]	128538	3.23	91223	5.18	47469	6.92

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V1A3062-BS	254458	3.40	179982	5.35	93672	7.09
V1A3062-MB [e]	235423	3.40	171675	5.35	89263	7.09
ZZZZZZ	236181	3.40	171970	5.35	85886	7.09
FC19116-7	235852	3.40	169191	5.35	86616	7.09
FC19164-5	232130	3.40	167184	5.35	85454	7.09
ZZZZZZ	227322	3.40	147458	5.35	37269[f]	7.09
ZZZZZZ	226735	3.40	164712	5.35	84897	7.09
ZZZZZZ	232422	3.40	165969	5.35	85471	7.09
ZZZZZZ	227195	3.40	162790	5.34	83484	7.09
FC19116-5	234957	3.40	166479	5.35	83384	7.09
FC19116-6	245746	3.40	173421	5.35	88960	7.09
FC19116-8	233013	3.40	167414	5.35	84336	7.09
ZZZZZZ	232115	3.40	168018	5.35	84730	7.09
ZZZZZZ	233116	3.40	167351	5.35	84104	7.09
ZZZZZZ	232208	3.40	168597	5.34	85310	7.09
ZZZZZZ	233285	3.40	167738	5.35	84867	7.09
ZZZZZZ	230898	3.40	167087	5.35	84233	7.09
ZZZZZZ	227899	3.40	165746	5.35	82977	7.09
ZZZZZZ	227474	3.40	165181	5.35	82801	7.09
ZZZZZZ	227965	3.40	165425	5.34	83789	7.09
ZZZZZZ	223839	3.40	163092	5.35	83326	7.09
ZZZZZZ	223044	3.40	164043	5.35	83626	7.09
FC19164-5MS	239398	3.40	170308	5.35	88031	7.09
FC19164-5MSD	245712	3.40	174193	5.35	91049	7.09
FC19116-7MS	244573	3.40	172862	5.35	90154	7.09
FC19116-7MSD	247382	3.40	176023	5.35	90802	7.09
V1A3062-ECC3047	247216	3.40	175495	5.35	91092	7.09

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5
IS 3 = 1,4-Dichlorobenzene-d4

(a) Initial Cal is: V1A3047-ICC3047 1A59239.D 09/18/24 10:51

Internal Standard Area Summary

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Check Std:	V1A3062-CC3047	**Injection Date:**	10/01/24
Lab File ID:	1A59592.D	**Injection Time:**	06:42
Instrument ID:	GCMS1A	**Method:**	SW846 8260D

Lab Sample ID	IS 1 AREA	IS 1 RT	IS 2 AREA	IS 2 RT	IS 3 AREA	IS 3 RT

(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.
(e) Sample was treated with an anti-foaming agent.
(f) Outside DOD QSM control limits.

Internal Standard Area Summary

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Check Std:	V1O4089-CC4046	**Injection Date:**	09/30/24
Lab File ID:	1O87882.D	**Injection Time:**	06:22
Instrument ID:	GCMS1O	**Method:**	SW846 8260D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Initial Cal [a]	767220	3.98	488754	5.97	232691	7.71
Check Std [b]	715114	3.97	483584	5.96	242711	7.71
Upper Limit [c]	1430228	4.14	967168	6.13	485422	7.88
Lower Limit [d]	357557	3.80	241792	5.79	121356	7.54

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V1O4089-BS	720736	3.97	483190	5.96	243070	7.71
V1O4089-MB [e]	739832	3.97	488578	5.96	239766	7.71
FC19169-1	702864	3.97	463467	5.96	224744	7.71
ZZZZZZ	701934	3.97	462646	5.96	225525	7.71
ZZZZZZ	673294	3.97	443334	5.96	213284	7.71
ZZZZZZ	693949	3.97	453998	5.96	222797	7.71
ZZZZZZ	656793	3.97	428592	5.96	203729	7.71
ZZZZZZ	669712	3.97	444551	5.96	215476	7.71
ZZZZZZ	648717	3.97	437385	5.96	203540	7.71
ZZZZZZ	653094	3.97	431415	5.96	208946	7.71
ZZZZZZ	657042	3.97	436572	5.96	209159	7.71
ZZZZZZ	641310	3.97	420571	5.96	202018	7.71
ZZZZZZ	645151	3.97	425639	5.96	202567	7.71
ZZZZZZ	653117	3.98	431269	5.96	206402	7.71
ZZZZZZ	668425	3.97	439412	5.96	212396	7.71
ZZZZZZ	657421	3.97	433101	5.96	209850	7.71
ZZZZZZ	632436	3.97	415832	5.96	198486	7.71
ZZZZZZ	625261	3.97	409507	5.96	194836	7.71
ZZZZZZ	617643	3.97	408080	5.96	196070	7.71
ZZZZZZ	633059	3.97	417402	5.96	198165	7.71
ZZZZZZ	638683	3.97	421478	5.96	202113	7.71
FC19116-9	638434	3.97	426955	5.96	214863	7.71
FC19169-1MS	663196	3.97	447288	5.96	218799	7.71
FC19169-1MSD	661767	3.98	443450	5.96	219024	7.71
V1O4089-ECC404	683192	3.97	464116	5.96	229627	7.71

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5
IS 3 = 1,4-Dichlorobenzene-d4

(a) Initial Cal is: V1O4046-ICC4046 1O86795.D 08/15/24 10:54
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.

Internal Standard Area Summary

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Check Std:	V1O4089-CC4046	**Injection Date:**	09/30/24
Lab File ID:	1O87882.D	**Injection Time:**	06:22
Instrument ID:	GCMS1O	**Method:**	SW846 8260D

Lab Sample ID	IS 1 AREA	IS 1 RT	IS 2 AREA	IS 2 RT	IS 3 AREA	IS 3 RT

(d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.
(e) Sample was treated with an anti-foaming agent.

Surrogate Recovery Summary

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, 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
FC19116-5	1A59604.D	100	103	96	100
FC19116-6	1A59605.D	101	105	98	100
FC19116-7	1A59598.D	102	107	97	100
FC19116-8	1A59606.D	104	106	97	101
FC19116-9	1O87906.D	104	100	98	92
FC19116-9	1A59557.D	98	101	98	103
FC19116-7MS	1A59619.D	99	104	98	100
FC19116-7MSD	1A59620.D	101	105	97	100
FC19130-2MS	1A59558.D	98	107	99	101
FC19130-2MSD	1A59559.D	98	106	99	103
FC19169-1MS	1O87907.D	105	101	95	94
FC19169-1MSD	1O87908.D	105	102	96	94
V1A3060-BS	1A59534.D	98	104	98	101
V1A3060-MB	1A59537.D	101	103	96	100
V1A3062-BS	1A59593.D	99	104	98	100
V1A3062-MB	1A59596.D	102	107	96	98
V1O4089-BS	1O87883.D	107	100	97	95
V1O4089-MB	1O87885.D	102	100	98	99

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	83-118%
S2 = 1,2-Dichloroethane-D4	79-125%
S3 = Toluene-D8	85-112%
S4 = 4-Bromofluorobenzene	83-118%

Initial Calibration Summary

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1A3047-ICC3047
Lab FileID: 1A59239.D

Response Factor Report MSVOA17-1A_2A

Method : C:\msdchem\1\met...A3037_09182024.M (RTE Integrator)
Title : SW-846 Method 5030/8260D & EPA 624.1
Last Update : Wed Sep 18 13:49:58 2024
Response via : Initial Calibration

Calibration Files
1 =1A59229.D 2 =1A59233.D 3 =1A59235.D 4 =1A59237.D
5 =1A59239.D 6 =1A59241.D 7 =1A59243.D 8 =1A59231.D

Compound	1	2	3	4	5	6	7	8	Avg	%RSD
1) I Fluorobenzene	----------	----------	----------	ISTD	----------	----------	----------	----------		
2) Dichlorodifl	0.271	0.290	0.266	0.294	0.276	0.277	0.264	0.283	0.278	3.91
3) Chloromethan	0.241	0.279	0.225	0.261	0.255	0.245	0.240	0.285	0.254	8.01
4) 1,3-butadien	0.206	0.234	0.202	0.231	0.224	0.237	0.229	0.267	0.229	8.84
5) Vinyl Chlori	0.261	0.300	0.267	0.284	0.277	0.278	0.268	0.304	0.280	5.62
6) Bromomethane		0.136	0.128	0.152	0.162	0.164	0.161		0.150	10.19
7) Chloroethane		0.211	0.171	0.179	0.174	0.179	0.174	0.245	0.190	14.52
8) Trichloroflu	0.421	0.433	0.386	0.429	0.422	0.434	0.431	0.451	0.426	4.33
9) Ethyl Ether	0.156	0.184	0.170	0.187	0.176	0.180	0.176	0.187	0.177	5.81
10) Ethanol		0.001	0.001	0.002	0.001	0.001	0.001		0.001	22.71
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9929										
Response Ratio = 0.00000 + 0.00134 *A + 0.00000 *A^2										
11) 1,2-Dichloro	0.289	0.300	0.269	0.301	0.298	0.298	0.288	0.308	0.294	4.08
12) 1,1-Dichloro	0.311	0.349	0.320	0.359	0.360	0.362	0.349	0.408	0.352	8.29
13) Freon 113	0.210	0.212	0.221	0.242	0.242	0.243	0.234	0.270	0.234	8.40
14) Carbon Disul	0.704	0.710	0.634	0.717	0.719	0.712	0.670	0.811	0.710	7.08
15) Iodomethane	0.090	0.096	0.094	0.149	0.180	0.206	0.210	0.095	0.140	37.74
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9943										
Response Ratio = 0.00000 + 0.12684 *A + 0.04622 *A^2										
16) Acrolein	0.020	0.025	0.025	0.027	0.027	0.027	0.027	0.027	0.025	10.09
17) Allyl chlori	0.306	0.316	0.282	0.322	0.329	0.338	0.341	0.349	0.323	6.69
18) Methylene Ch		0.693	0.464	0.342	0.321	0.310	0.296		0.404	38.07
---- Linear regr., Force(0,0) ---- Coefficient = 0.9991										
Response Ratio = 0.00000 + 0.32289 *A										
19) Acetone	0.047	0.040	0.042	0.045	0.041	0.040	0.040	0.054	0.044	11.23
20) Methyl aceta	0.098	0.122	0.117	0.127	0.119	0.123	0.124	0.130	0.120	8.18
21) trans-1,2-Di	0.349	0.337	0.320	0.353	0.356	0.353	0.344	0.387	0.350	5.35
22) Hexane	0.210	0.190	0.201	0.234	0.224	0.233	0.214	0.241	0.218	8.05
23) Methyl Tert	0.469	0.492	0.495	0.571	0.560	0.581	0.574	0.551	0.537	8.22
24) Acetonitrile		0.022	0.019	0.017	0.016	0.016	0.016	0.032	0.020	29.87
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9964										
Response Ratio = 0.00000 + 0.01856 *A + -0.00016 *A^2										
25) Tert Butyl A		0.010	0.011	0.013	0.012	0.013	0.013	0.011	0.012	9.58
26) Di-isopropyl	0.581	0.669	0.648	0.755	0.746	0.770	0.766	0.717	0.706	9.60
27) Chloroprene	0.587	0.656	0.613	0.699	0.679	0.693	0.688	0.736	0.669	7.24
28) 1,1-Dichloro	0.428	0.442	0.406	0.457	0.465	0.460	0.450	0.516	0.453	7.08
29) Acrylonitril	0.063	0.070	0.066	0.074	0.070	0.070	0.071	0.076	0.070	6.17
30) ETBE	0.509	0.601	0.613	0.713	0.707	0.729	0.727	0.619	0.652	12.12
31) Vinyl acetat	0.331	0.364	0.369	0.434	0.414	0.419	0.414	0.407	0.394	8.90
32) cis-1,2-Dich	0.264	0.261	0.245	0.273	0.267	0.269	0.262	0.286	0.266	4.42
33) 2,2-Dichloro	0.294	0.336	0.295	0.337	0.343	0.346	0.339	0.356	0.331	7.07
34) Bromochlorom	0.113	0.134	0.125	0.137	0.134	0.138	0.135	0.140	0.132	6.83

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35) Cyclohexane  0.332 0.385 0.394 0.445 0.453 0.455 0.440 0.453 0.420  10.68
36) Chloroform   0.406 0.466 0.432 0.489 0.476 0.480 0.471 0.532 0.469   8.03
37) Ethyl acetat 0.139 0.146 0.151 0.169 0.159 0.164 0.165 0.163 0.157   6.76
38) Tetrahydrofu       0.049 0.047 0.050 0.043 0.044 0.043 0.055 0.047   9.04
39) Dibromofluor 0.284 0.294 0.286 0.280 0.282 0.281 0.281 0.294 0.285   1.96
40) Carbon Tetra 0.381 0.330 0.301 0.350 0.362 0.366 0.353 0.378 0.353   7.46
41) 1,1,1-Trichl 0.371 0.370 0.336 0.399 0.399 0.397 0.392 0.414 0.385   6.47
42) 2-Butanone   0.058 0.064 0.065 0.072 0.067 0.067 0.068 0.078 0.067   8.68
43) 1,1-Dichloro 0.281 0.289 0.275 0.306 0.316 0.312 0.302 0.330 0.301   6.19
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9990
              Response Ratio = 0.00000 + 0.30630 *A

44) tert-Butyl f       0.094 0.100 0.121 0.121 0.128 0.133 0.097 0.114  14.01
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9991
              Response Ratio = 0.00000 + 0.10890 *A + 0.00252 *A^2

45) Propionitril 0.017 0.021 0.021 0.023 0.021 0.021 0.021 0.022 0.021   8.33
46) Methacryloni 0.092 0.097 0.099 0.110 0.104 0.107 0.110 0.110 0.103   6.67
47) Benzene      0.925 0.944 0.889 1.009 1.014 1.013 0.988 1.047 0.979   5.48
48) TAME         0.430 0.475 0.483 0.565 0.558 0.588 0.586 0.533 0.527  11.05
49) 1,2-Dichloro 0.304 0.320 0.321 0.320 0.317 0.321 0.283 0.323 0.314   4.37
50) 1,2-Dichloro 0.299 0.332 0.310 0.343 0.325 0.335 0.326 0.367 0.329   6.25
51) Isobutyl Alc 0.010 0.012 0.012 0.015 0.014 0.015 0.015 0.015 0.013  13.25
52) Tert Amyl Al       0.006 0.008 0.009 0.009 0.009 0.009 0.006 0.008  19.70
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9986
              Response Ratio = 0.00000 + 0.00789 *A + 0.00009 *A^2

53) Trichloroeth 0.292 0.263 0.239 0.277 0.274 0.278 0.270 0.310 0.275   7.43
54) Methylcycloh 0.353 0.359 0.381 0.433 0.444 0.452 0.429 0.426 0.410   9.59
55) Dibromometha 0.145 0.149 0.145 0.158 0.153 0.154 0.149 0.162 0.152   3.95
56) 1,2-Dichloro 0.251 0.258 0.227 0.262 0.260 0.265 0.260 0.280 0.258   5.81
57) Bromodichlor 0.269 0.322 0.304 0.345 0.339 0.347 0.341 0.332 0.325   8.22
58) Methyl metha       0.110 0.125 0.145 0.141 0.143 0.152 0.135 0.136  10.25
59) 1,4-Dioxane        0.001 0.001 0.001 0.001 0.001 0.001       0.001  14.13
60) 2-Chloroethy 0.060 0.072 0.078 0.095 0.094 0.100 0.104 0.066 0.084  19.98
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9989
              Response Ratio = 0.00000 + 0.08371 *A + 0.00213 *A^2

61) cis-1,3-Dich 0.298 0.325 0.324 0.390 0.383 0.400 0.395 0.362 0.359  10.88

62) I   Chlorobenzene-d5      ----------------ISTD--------------------
63) Toluene-d8   1.405 1.417 1.398 1.426 1.402 1.410 1.406 1.398 1.408   0.69
64) Toluene      1.435 1.483 1.370 1.550 1.547 1.552 1.524 1.594 1.507   4.89
65) 2-Nitropropa 0.037 0.046 0.049 0.064 0.062 0.066 0.069 0.048 0.055  20.82
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9959
              Response Ratio = 0.00000 + 0.06495 *A

66) 4-Methyl-2-p 0.147 0.187 0.203 0.238 0.231 0.232 0.242 0.217 0.212  15.26
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9986
              Response Ratio = 0.00000 + 0.23377 *A

67) trans-1,3-Di 0.325 0.386 0.390 0.493 0.481 0.508 0.508 0.413 0.438  15.67
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9977
              Response Ratio = 0.00000 + 0.49384 *A

68) Tetrachloroe 0.359 0.390 0.365 0.435 0.468 0.479 0.493 0.414 0.425  12.19
69) Ethyl methac       0.236 0.259 0.311 0.315 0.335 0.349       0.301  14.70
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9987
              Response Ratio = 0.00000 + 0.32992 *A
```

Initial Calibration Summary

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1A3047-ICC3047
Lab FileID: 1A59239.D

```
 70) 1,1,2-Trichl 0.186 0.220 0.210 0.243 0.238 0.243 0.241 0.246 0.228   9.43
 71) Dibromochlor 0.256 0.277 0.279 0.338 0.334 0.356 0.352 0.290 0.310  12.55
 72) 1,3-Dichloro 0.392 0.445 0.426 0.492 0.477 0.485 0.480 0.464 0.458   7.56
 73) 1,2-Dibromoe 0.206 0.254 0.243 0.292 0.275 0.287 0.282 0.276 0.264  10.84
 74) 3,3-Dimethyl 0.011 0.013 0.015 0.018 0.020 0.023 0.024 0.015 0.017  26.09
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9984
               Response Ratio = 0.00000 + 0.01588 *A + 0.00008 *A^2

 75) 2-hexanone   0.112 0.145 0.158 0.192 0.188 0.193 0.198 0.153 0.167  18.07
             ---- Linear regr., Force(0,0) ----  Coefficient =  0.9983
               Response Ratio = 0.00000 + 0.19110 *A

 76) 1-Chlorohexa 0.529 0.438 0.419 0.500 0.515 0.612 0.590 0.562 0.520  13.12
 77) Ethylbenzene 1.627 1.653 1.540 1.802 1.797 1.676 1.648 1.757 1.687   5.40
 78) Chlorobenzen 0.929 0.946 0.884 0.988 0.997 0.989 0.969 1.033 0.967   4.80
 79) 1,1,1,2-Tetr 0.245 0.282 0.282 0.339 0.332 0.345 0.348 0.284 0.307  12.55
 80) m,p-Xylene   1.073 1.238 1.158 1.368 1.375 1.386 1.364 1.308 1.284   9.08
 81) o-Xylene     1.116 1.223 1.177 1.391 1.395 1.410 1.383 1.274 1.296   8.84
 82) Styrene      0.707 0.867 0.839 1.021 1.033 1.048 1.025 0.840 0.922  13.70
 83) Bromoform    0.137 0.153 0.152 0.190 0.186 0.194 0.198 0.181 0.174  13.24
 84) Isopropylben 1.221 1.402 1.342 1.615 1.634 1.639 1.586 1.528 1.496  10.46

 85) I   1,4-Dichlorobenzene-d ----------------ISTD--------------------
 86) 4-Bromofluor 0.820 0.813 0.818 0.812 0.827 0.842 0.832 0.818 0.823   1.24
 87) cis-1,4-Dich       0.142 0.131 0.152 0.153 0.159 0.173       0.152   9.46
 88) n-Propylbenz 3.357 3.448 3.217 3.706 3.796 3.828 3.781 3.871 3.626   6.85
 89) Bromobenzene 0.672 0.726 0.681 0.753 0.777 0.774 0.771 0.797 0.744   6.23
 90) 1,1,2,2-Tetr 0.435 0.494 0.506 0.579 0.558 0.552 0.550 0.566 0.530   9.10
 91) 1,3,5-Trimet 1.895 2.058 2.012 2.426 2.493 2.505 2.490 2.256 2.267  10.93
 92) 2-Chlorotolu 1.789 1.984 1.806 2.043 2.142 2.108 2.090 2.100 2.008   6.88
 93) trans-1,4-Di       0.180 0.179 0.216 0.217 0.222 0.221       0.206  10.01
 94) 1,2,3-Trichl 0.140 0.144 0.147 0.165 0.156 0.159 0.158 0.141 0.151   6.30
 95) Cyclohexanon       0.013 0.009 0.011 0.011 0.011 0.012       0.011  12.48
 96) 4-Chlorotolu 1.896 1.942 1.860 2.136 2.194 2.206 2.201 2.091 2.066   7.01
 97) tert-Butylbe 1.151 1.311 1.216 1.422 1.494 1.458 1.445 1.438 1.367   9.22
 98) 1,2,4-Trimet 1.724 1.959 1.947 2.314 2.371 2.389 2.377 2.047 2.141  11.90
 99) Pentachloroe       0.316 0.295 0.344 0.335 0.337 0.333 0.310 0.324   5.43
             ---- Linear regr., Force(0,0) ----  Coefficient =  0.9993
               Response Ratio = 0.00000 + 0.33332 *A

100) sec-Butylben 2.453 2.746 2.589 3.057 3.186 3.124 3.079 3.002 2.904   9.38
101) 4-Isopropylt 1.863 2.190 2.097 2.522 2.626 2.611 2.577 2.265 2.344  12.05
102) 1,3-Dichloro 1.234 1.282 1.191 1.340 1.367 1.364 1.342 1.377 1.312   5.24
103) 1,2,3-Trimet 1.854 2.087 1.946 2.263 2.321 2.341 2.342 2.103 2.157   8.77
104) 1,4-Dichloro 1.197 1.268 1.197 1.326 1.365 1.339 1.319 1.414 1.303   5.93
105) n-Butylbenze 0.848 1.007 0.969 1.170 1.203 1.205 1.191 1.046 1.080  12.30
             ---- Linear regr., Force(0,0) ----  Coefficient =  0.9986
               Response Ratio = 0.00000 + 1.17961 *A

106) Benzyl Chlor       0.129 0.122 0.164 0.167 0.177 0.183 0.115 0.151  18.62
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9983
               Response Ratio = 0.00000 + 0.14476 *A + 0.02065 *A^2

107) 1,2-Dichloro 1.019 1.056 1.061 1.163 1.190 1.191 1.178 1.246 1.138   7.14
108) 1,2-Dibromo-       0.057 0.058 0.073 0.069 0.072 0.074 0.074 0.068  10.87
109) Hexachlorobu 0.312 0.295 0.248 0.295 0.322 0.314 0.299 0.356 0.305  10.01
110) 1,2,4-Trichl 0.465 0.474 0.470 0.572 0.600 0.609 0.605 0.544 0.542  11.76
111) Naphthalene        0.673 0.766 0.963 1.017 1.083 1.117       0.937  19.11
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9984
               Response Ratio = 0.00000 + 0.86638 *A + 0.13547 *A^2
```

Initial Calibration Summary

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1A3047-ICC3047
Lab FileID: 1A59239.D

```
112) 1,2,3-Trichl 0.409 0.364 0.356 0.433 0.464 0.470 0.471 0.408 0.422  10.81
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          V1A3037_09182024.M        Wed Sep 18 14:50:30 2024
```

Initial Calibration Verification

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1A3047-ICV3047
Lab FileID: 1A59249.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\091824\1A59249.D Vial: 12
Acq On : 18 Sep 2024 1:31 pm Operator: jeniferw
Sample : ICV3047-5 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,, Multiplr: 1.00
MS Integration Params: med.p

Method : C:\msdchem\1\met...A3037_09182024.M (RTE Integrator)
Title : SW-846 Method 5030/8260D & EPA 624.1
Last Update : Wed Sep 18 13:49:58 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	102	0.00	3.40
2	Dichlorodifluoromethane	0.278	0.252	9.4	93	0.00	1.02
3	Chloromethane	0.254	0.220	13.4	88	0.00	1.13
4	1,3-butadiene	0.229	0.248	-8.3	113	0.00	1.18
5	Vinyl Chloride	0.280	0.251	10.4	93	0.00	1.17
6	Bromomethane	0.150	0.149	0.7	94	0.00	1.34
7	Chloroethane	0.190	0.165	13.2	97	0.00	1.41
8	Trichlorofluoromethane	0.426	0.378	11.3	91	0.00	1.50
9	Ethyl Ether	0.177	0.161	9.0	93	0.00	1.65
		Amount	Calc.	%Drift			
10	Ethanol	800.000	777.233	2.8	98	0.00	1.70
		AvgRF	CCRF	%Dev			
11	1,2-Dichlorotrifluoroetha	0.294	0.275	6.5	94	0.00	1.74
12	1,1-Dichloroethene	0.352	0.383	-8.8	108	0.00	1.76
13	Freon 113	0.234	0.240	-2.6	101	0.00	1.78
14	Carbon Disulfide	0.710	0.638	10.1	90	0.00	1.78
		Amount	Calc.	%Drift			
15	Iodomethane	40.000	37.479	6.3	86	0.00	1.83
		AvgRF	CCRF	%Dev			
16	Acrolein	0.025	0.026	-4.0	98	0.00	1.90
17	Allyl chloride	0.323	0.344	-6.5	107	0.00	1.99
		Amount	Calc.	%Drift			
18	Methylene Chloride	40.000	42.617	-6.5	109	0.00	2.04
		AvgRF	CCRF	%Dev			
19	Acetone	0.044	0.044	0.0	110	0.00	2.04
20	Methyl acetate	0.120	0.114	5.0	98	0.00	2.12
21	trans-1,2-Dichloroethene	0.350	0.373	-6.6	107	0.00	2.13
22	Hexane	0.218	0.215	1.4	98	0.00	2.19
23	Methyl Tert Butyl Ether	0.537	0.530	1.3	97	0.00	2.19
		Amount	Calc.	%Drift			
24	Acetonitrile	400.000	404.697	-1.2	112	0.00	2.27
		AvgRF	CCRF	%Dev			
25	Tert Butyl Alcohol	0.012	0.010	16.7	83	0.00	2.20
26	Di-isopropyl ether	0.706	0.674	4.5	92	0.00	2.39

Initial Calibration Verification

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Sample: V1A3047-ICV3047
Lab FileID: 1A59249.D

27		Chloroprene	0.669	0.712	-6.4	107	0.00	2.44
28		1,1-Dichloroethane	0.453	0.470	-3.8	103	0.00	2.44
29		Acrylonitrile	0.070	0.073	-4.3	107	0.00	2.44
30		ETBE	0.652	0.643	1.4	93	0.00	2.57
31		Vinyl acetate	0.394	0.459	-16.5	113	0.00	2.56
32		cis-1,2-Dichloroethene	0.266	0.284	-6.8	108	0.00	2.71
33		2,2-Dichloropropane	0.331	0.374	-13.0	111	0.00	2.78
34		Bromochloromethane	0.132	0.126	4.5	95	0.00	2.82
35		Cyclohexane	0.420	0.428	-1.9	96	0.00	2.86
36		Chloroform	0.469	0.500	-6.6	107	0.00	2.86
37		Ethyl acetate	0.157	0.162	-3.2	104	0.00	2.90
38		Tetrahydrofuran	0.047	0.039	17.0	91	0.00	2.94
39	S	Dibromofluoromethane	0.285	0.283	0.7	102	0.00	2.95
40		Carbon Tetrachloride	0.353	0.370	-4.8	104	0.00	2.96
41		1,1,1-Trichloroethane	0.385	0.415	-7.8	106	0.00	2.98
42		2-Butanone	0.067	0.063	6.0	96	0.00	3.00

			Amount	Calc.	%Drift			
43		1,1-Dichloropropene			NA			
44		tert-Butyl formate			NA			

			AvgRF	CCRF	%Dev			
45		Propionitrile	0.021	0.023	-9.5	112	0.00	3.14
46		Methacrylonitrile	0.103	0.112	-8.7	110	0.00	3.16
47		Benzene	0.979	1.039	-6.1	105	0.00	3.17
48		TAME	0.527	0.505	4.2	92	0.00	3.24
49	S	1,2-Dichloroethane-d4	0.314	0.316	-0.6	102	0.00	3.23
50		1,2-Dichloroethane	0.329	0.348	-5.8	109	0.00	3.27
51		Isobutyl Alcohol	0.013	0.013	0.0	97	0.00	3.24

			Amount	Calc.	%Drift			
52		Tert Amyl Alcohol	400.000	358.298	10.4	87	0.00	3.31

			AvgRF	CCRF	%Dev			
53		Trichloroethene	0.275	0.291	-5.8	108	0.00	3.50
54		Methylcyclohexane	0.410	0.431	-5.1	99	0.00	3.53
55		Dibromomethane	0.152	0.158	-3.9	105	0.00	3.73
56		1,2-Dichloropropane	0.258	0.273	-5.8	107	0.00	3.79
57		Bromodichloromethane	0.325	0.345	-6.2	104	0.00	3.82
58		Methyl methacrylate	0.136	0.155	-14.0	113	0.00	3.91
59		1,4-Dioxane	0.001	0.001	0.0	86	0.00	3.94

			Amount	Calc.	%Drift			
60		2-Chloroethyl vinyl ether	200.000	219.422	-9.7	111	0.00	4.16

			AvgRF	CCRF	%Dev			
61		cis-1,3-Dichloropropene	0.359	0.388	-8.1	103	0.00	4.21
62	I	Chlorobenzene-d5	1.000	1.000	0.0	103	0.00	5.34
63	S	Toluene-d8	1.408	1.404	0.3	103	0.00	4.33
64		Toluene	1.507	1.616	-7.2	107	0.00	4.37

			Amount	Calc.	%Drift			
65		2-Nitropropane	200.000	183.479	8.3	100	0.00	4.46
66		4-Methyl-2-pentanone	200.000	205.149	-2.6	107	0.00	4.57
67		trans-1,3-Dichloropropene	40.000	36.727	8.2	97	0.00	4.61

			AvgRF	CCRF	%Dev			
68		Tetrachloroethene	0.425	0.442	-4.0	97	0.00	4.63

Initial Calibration Verification

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Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1A3047-ICV3047
Lab FileID: 1A59249.D

			Amount	Calc.	%Drift			
69		Ethyl methacrylate	40.000	45.641	-14.1	123	0.00	4.72
			AvgRF	CCRF	%Dev			
70		1,1,2-Trichloroethane	0.228	0.248	-8.8	107	0.00	4.71
71		Dibromochloromethane	0.310	0.350	-12.9	108	0.00	4.84
72		1,3-Dichloropropane	0.458	0.503	-9.8	108	0.00	4.89
73		1,2-Dibromoethane	0.264	0.288	-9.1	108	0.00	4.99
			Amount	Calc.	%Drift			
74		3,3-Dimethyl-1-Butanol	2000.000	2030.486	-1.5	102	0.00	5.11
75		2-hexanone	200.000	209.369	-4.7	110	0.00	5.13
			AvgRF	CCRF	%Dev			
76		1-Chlorohexane	0.520	0.481	7.5	96	0.00	5.36
77		Ethylbenzene	1.687	1.819	-7.8	104	0.00	5.39
78		Chlorobenzene	0.967	1.013	-4.8	104	0.00	5.36
79		1,1,1,2-Tetrachloroethane	0.307	0.352	-14.7	109	0.00	5.41
80		m,p-Xylene	1.284	1.414	-10.1	106	0.00	5.49
81		o-Xylene	1.296	1.398	-7.9	103	0.00	5.80
82		Styrene	0.922	1.055	-14.4	105	0.00	5.83
83		Bromoform	0.174	0.181	-4.0	100	0.00	5.84
84		Isopropylbenzene	1.496	1.676	-12.0	106	0.00	6.04
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	104	0.00	7.08
86	S	4-Bromofluorobenzene	0.823	0.828	-0.6	104	0.00	6.22
87		cis-1,4-Dichloro-2-butene	0.152	0.169	-11.2	114	0.00	6.26
88		n-Propylbenzene	3.626	3.909	-7.8	107	0.00	6.34
89		Bromobenzene	0.744	0.786	-5.6	105	0.00	6.30
90		1,1,2,2-Tetrachloroethane	0.530	0.568	-7.2	105	0.00	6.37
91		1,3,5-Trimethylbenzene	2.267	2.621	-15.6	109	0.00	6.50
92		2-Chlorotoluene	2.008	2.128	-6.0	103	0.00	6.44
93		trans-1,4-Dichloro-2-Bute	0.206	0.218	-5.8	104	0.00	6.50
94		1,2,3-Trichloropropane	0.151	0.166	-9.9	110	0.00	6.46
95		Cyclohexanone	0.011	0.025	-127.3#	239#	0.00	6.48
96		4-Chlorotoluene	2.066	2.236	-8.2	105	0.00	6.58
97		tert-Butylbenzene	1.367	1.490	-9.0	103	0.00	6.74
98		1,2,4-Trimethylbenzene	2.141	2.457	-14.8	107	0.00	6.79
			Amount	Calc.	%Drift			
99		Pentachloroethane		----------NA----------				
			AvgRF	CCRF	%Dev			
100		sec-Butylbenzene	2.904	3.116	-7.3	101	0.00	6.88
101		4-Isopropyltoluene	2.344	2.632	-12.3	104	0.00	7.00
102		1,3-Dichlorobenzene	1.312	1.392	-6.1	105	0.00	7.03
103		1,2,3-Trimethylbenzene	2.157	2.265	-5.0	101	0.00	7.13
104		1,4-Dichlorobenzene	1.303	1.395	-7.1	106	0.00	7.10
			Amount	Calc.	%Drift			
105		n-Butylbenzene	40.000	44.018	-10.0	112	0.00	7.33
106		Benzyl Chloride	40.000	40.811	-2.0	102	0.00	7.28
			AvgRF	CCRF	%Dev			
107		1,2-Dichlorobenzene	1.138	1.195	-5.0	104	0.00	7.42
108		1,2-Dibromo-3-Chloropropa	0.068	0.068	0.0	103	0.00	8.00
109		Hexachlorobutadiene	0.305	0.322	-5.6	103	0.00	8.51
110		1,2,4-Trichlorobenzene	0.542	0.592	-9.2	102	0.00	8.50
			Amount	Calc.	%Drift			

Initial Calibration Verification

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1A3047-ICV3047
Lab FileID: 1A59249.D

111	Naphthalene	40.000	38.741	3.1	96	0.00	8.71
		AvgRF	CCRF	%Dev			
112	1,2,3-Trichlorobenzene	0.422	0.441	-4.5	99	0.00	8.83

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1A59239.D V1A3037_09182024.M Wed Sep 18 14:51:06 2024

Initial Calibration Verification

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1A3047-ICV3047
Lab FileID: 1A59251.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\091824\1A59251.D Vial: 13
Acq On : 18 Sep 2024 2:03 pm Operator: jeniferw
Sample : ICV3047-4 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,, Multiplr: 1.00
MS Integration Params: med.p

Method : C:\msdchem\1\met...A3037_09182024.M (RTE Integrator)
Title : SW-846 Method 5030/8260D & EPA 624.1
Last Update : Wed Sep 18 13:49:58 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	108	0.00	3.40
2	Dichlorodifluoromethane		----------	NA	----------		
3	Chloromethane		----------	NA	----------		
4	1,3-butadiene		----------	NA	----------		
5	Vinyl Chloride		----------	NA	----------		
6	Bromomethane		----------	NA	----------		
7	Chloroethane		----------	NA	----------		
8	Trichlorofluoromethane		----------	NA	----------		
9	Ethyl Ether		----------	NA	----------		
	----------	Amount	Calc.	%Drift	----------		
10	Ethanol		----------	NA	----------		
	----------	AvgRF	CCRF	%Dev	----------		
11	1,2-Dichlorotrifluoroetha		----------	NA	----------		
12	1,1-Dichloroethene		----------	NA	----------		
13	Freon 113		----------	NA	----------		
14	Carbon Disulfide		----------	NA	----------		
	----------	Amount	Calc.	%Drift	----------		
15	Iodomethane		----------	NA	----------		
	----------	AvgRF	CCRF	%Dev	----------		
16	Acrolein		----------	NA	----------		
17	Allyl chloride		----------	NA	----------		
	----------	Amount	Calc.	%Drift	----------		
18	Methylene Chloride		----------	NA	----------		
	----------	AvgRF	CCRF	%Dev	----------		
19	Acetone		----------	NA	----------		
20	Methyl acetate		----------	NA	----------		
21	trans-1,2-Dichloroethene		----------	NA	----------		
22	Hexane		----------	NA	----------		
23	Methyl Tert Butyl Ether		----------	NA	----------		
	----------	Amount	Calc.	%Drift	----------		
24	Acetonitrile		----------	NA	----------		
	----------	AvgRF	CCRF	%Dev	----------		
25	Tert Butyl Alcohol		----------	NA	----------		
26	Di-isopropyl ether		----------	NA	----------		

Initial Calibration Verification

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1A3047-ICV3047
Lab FileID: 1A59251.D

27		Chloroprene		----------NA----------					
28		1,1-Dichloroethane		----------NA----------					
29		Acrylonitrile		----------NA----------					
30		ETBE		----------NA----------					
31		Vinyl acetate		----------NA----------					
32		cis-1,2-Dichloroethene		----------NA----------					
33		2,2-Dichloropropane		----------NA----------					
34		Bromochloromethane		----------NA----------					
35		Cyclohexane		----------NA----------					
36		Chloroform		----------NA----------					
37		Ethyl acetate		----------NA----------					
38		Tetrahydrofuran		----------NA----------					
39	S	Dibromofluoromethane	0.285	0.281	1.4	109	0.00	2.95	
40		Carbon Tetrachloride		----------NA----------					
41		1,1,1-Trichloroethane		----------NA----------					
42		2-Butanone		----------NA----------					
		----------	Amount	Calc.	%Drift	----------			
43		1,1-Dichloropropene	25.000	27.667	-10.7	120	0.00	3.05	
44		tert-Butyl formate	125.000	163.945	-31.2#	137	0.00	3.09	
		----------	AvgRF	CCRF	%Dev	----------			
45		Propionitrile		----------NA----------					
46		Methacrylonitrile		----------NA----------					
47		Benzene		----------NA----------					
48		TAME		----------NA----------					
49	S	1,2-Dichloroethane-d4	0.314	0.317	-1.0	107	0.00	3.23	
50		1,2-Dichloroethane		----------NA----------					
51		Isobutyl Alcohol		----------NA----------					
		----------	Amount	Calc.	%Drift	----------			
52		Tert Amyl Alcohol		----------NA----------					
		----------	AvgRF	CCRF	%Dev	----------			
53		Trichloroethene		----------NA----------					
54		Methylcyclohexane		----------NA----------					
55		Dibromomethane		----------NA----------					
56		1,2-Dichloropropane		----------NA----------					
57		Bromodichloromethane		----------NA----------					
58		Methyl methacrylate		----------NA----------					
59		1,4-Dioxane		----------NA----------					
		----------	Amount	Calc.	%Drift	----------			
60		2-Chloroethyl vinyl ether		----------NA----------					
		----------	AvgRF	CCRF	%Dev	----------			
61		cis-1,3-Dichloropropene		----------NA----------					
62	I	Chlorobenzene-d5	1.000	1.000	0.0	109	0.00	5.34	
63	S	Toluene-d8	1.408	1.401	0.5	107	0.00	4.33	
64		Toluene		----------NA----------					
		----------	Amount	Calc.	%Drift	----------			
65		2-Nitropropane		----------NA----------					
66		4-Methyl-2-pentanone		----------NA----------					
67		trans-1,3-Dichloropropene		----------NA----------					
		----------	AvgRF	CCRF	%Dev	----------			
68		Tetrachloroethene		----------NA----------					

Initial Calibration Verification

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1A3047-ICV3047
Lab FileID: 1A59251.D

			Amount	Calc.	%Drift			
69		Ethyl methacrylate		NA				
			AvgRF	CCRF	%Dev			
70		1,1,2-Trichloroethane		NA				
71		Dibromochloromethane		NA				
72		1,3-Dichloropropane		NA				
73		1,2-Dibromoethane		NA				
			Amount	Calc.	%Drift			
74		3,3-Dimethyl-1-Butanol		NA				
75		2-hexanone		NA				
			AvgRF	CCRF	%Dev			
76		1-Chlorohexane		NA				
77		Ethylbenzene		NA				
78		Chlorobenzene		NA				
79		1,1,1,2-Tetrachloroethane		NA				
80		m,p-Xylene		NA				
81		o-Xylene		NA				
82		Styrene		NA				
83		Bromoform		NA				
84		Isopropylbenzene		NA				
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	107	0.00	7.08
86	S	4-Bromofluorobenzene	0.823	0.828	-0.6	109	0.00	6.22
87		cis-1,4-Dichloro-2-butene		NA				
88		n-Propylbenzene		NA				
89		Bromobenzene		NA				
90		1,1,2,2-Tetrachloroethane		NA				
91		1,3,5-Trimethylbenzene		NA				
92		2-Chlorotoluene		NA				
93		trans-1,4-Dichloro-2-Bute		NA				
94		1,2,3-Trichloropropane		NA				
95		Cyclohexanone		NA				
96		4-Chlorotoluene		NA				
97		tert-Butylbenzene		NA				
98		1,2,4-Trimethylbenzene		NA				
			Amount	Calc.	%Drift			
99		Pentachloroethane	25.000	27.368	-9.5	114	0.00	6.74
			AvgRF	CCRF	%Dev			
100		sec-Butylbenzene		NA				
101		4-Isopropyltoluene		NA				
102		1,3-Dichlorobenzene		NA				
103		1,2,3-Trimethylbenzene		NA				
104		1,4-Dichlorobenzene		NA				
			Amount	Calc.	%Drift			
105		n-Butylbenzene		NA				
106		Benzyl Chloride		NA				
			AvgRF	CCRF	%Dev			
107		1,2-Dichlorobenzene		NA				
108		1,2-Dibromo-3-Chloropropa		NA				
109		Hexachlorobutadiene		NA				
110		1,2,4-Trichlorobenzene		NA				
			Amount	Calc.	%Drift			

Initial Calibration Verification

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1A3047-ICV3047
Lab FileID: 1A59251.D

```
111     Naphthalene                          ----------NA----------

            ----------------------- AvgRF   CCRF      %Dev   --------------
112     1,2,3-Trichlorobenzene               ----------NA----------
 ------------------------------------------------------------------------------
 ------------------------------------------------------------------------------

    (#) = Out of Range               SPCC's out = 0  CCC's out = 0
     1A59237.D  V1A3037_09182024.M       Wed Sep 18 14:50:51 2024
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Continuing Calibration Summary

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1A3060-CC3047
Lab FileID: 1A59533.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\092924\1A59533.D Vial: 2
Acq On : 29 Sep 2024 10:30 am Operator: jeniferw
Sample : CC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57580,V1A3060,,,,, Multiplr: 1.00
MS Integration Params: med.p

Method : C:\msdchem\1\met...A3047_09182024.M (RTE Integrator)
Title : SW-846 Method 5030/8260D & EPA 624.1
Last Update : Wed Sep 18 13:49:10 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	119	0.00	3.40
2	Dichlorodifluoromethane	0.278	0.320	-15.1	138	0.00	1.02
3	Chloromethane	0.254	0.267	-5.1	124	0.00	1.13
4	1,3-butadiene	0.229	0.228	0.4	121	0.00	1.18
5	Vinyl Chloride	0.280	0.284	-1.4	122	0.00	1.17
6	Bromomethane	0.150	0.146	2.7	107	0.00	1.34
7	Chloroethane	0.190	0.160	15.8	109	0.00	1.41
8	Trichlorofluoromethane	0.426	0.398	6.6	112	0.00	1.50
9	Ethyl Ether	0.177	0.170	4.0	115	0.00	1.65
		Amount	Calc.	%Drift			
10	Ethanol	800.000	773.312	3.3	113	0.00	1.70
		AvgRF	CCRF	%Dev			
11	1,2-Dichlorotrifluoroetha	0.294	0.281	4.4	112	0.00	1.74
12	1,1-Dichloroethene	0.352	0.369	-4.8	122	0.00	1.76
13	Freon 113	0.234	0.230	1.7	113	0.00	1.78
14	Carbon Disulfide	0.710	0.699	1.5	115	0.00	1.78
		Amount	Calc.	%Drift			
15	Iodomethane	40.000	40.910	-2.3	111	0.00	1.83
		AvgRF	CCRF	%Dev			
16	Acrolein	0.025	0.025	0.0	111	0.00	1.90
17	Allyl chloride	0.323	0.354	-9.6	128	0.00	1.99
		Amount	Calc.	%Drift			
18	Methylene Chloride	40.000	38.514	3.7	115	0.00	2.04
		AvgRF	CCRF	%Dev			
19	Acetone	0.044	0.041	6.8	120	0.00	2.04
20	Methyl acetate	0.120	0.124	-3.3	124	0.00	2.12
21	trans-1,2-Dichloroethene	0.350	0.354	-1.1	118	0.00	2.13
22	Hexane	0.218	0.230	-5.5	122	0.00	2.20
23	Methyl Tert Butyl Ether	0.537	0.546	-1.7	116	0.00	2.19
		Amount	Calc.	%Drift			
24	Acetonitrile	400.000	383.566	4.1	125	0.00	2.27
		AvgRF	CCRF	%Dev			
25	Tert Butyl Alcohol	0.012	0.013	-8.3	126	0.00	2.20
26	Di-isopropyl ether	0.706	0.750	-6.2	120	0.00	2.39

Continuing Calibration Summary

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1A3060-CC3047
Lab FileID: 1A59533.D

27		Chloroprene	0.669	0.712	-6.4	125	0.00	2.44
28		1,1-Dichloroethane	0.453	0.448	1.1	115	0.00	2.44
29		Acrylonitrile	0.070	0.074	-5.7	126	0.00	2.44
30		ETBE	0.652	0.708	-8.6	119	0.00	2.57
31		Vinyl acetate	0.394	0.464	-17.8	133	0.00	2.56
32		cis-1,2-Dichloroethene	0.266	0.254	4.5	113	0.00	2.72
33		2,2-Dichloropropane	0.331	0.350	-5.7	121	0.00	2.78
34		Bromochloromethane	0.132	0.123	6.8	109	0.00	2.82
35		Cyclohexane	0.420	0.437	-4.0	115	0.00	2.86
36		Chloroform	0.469	0.459	2.1	114	0.00	2.86
37		Ethyl acetate	0.157	0.176	-12.1	132	0.00	2.91
38		Tetrahydrofuran	0.047	0.049	-4.3	134	0.00	2.94
39	S	Dibromofluoromethane	0.285	0.287	-0.7	121	0.00	2.95
40		Carbon Tetrachloride	0.353	0.348	1.4	114	0.00	2.96
41		1,1,1-Trichloroethane	0.385	0.392	-1.8	117	0.00	2.98
42		2-Butanone	0.067	0.074	-10.4	132	0.00	3.00
			Amount	Calc.	%Drift			
43		1,1-Dichloropropene	40.000	40.034	-0.1	115	0.00	3.05
44		tert-Butyl formate	200.000	272.819	-36.4#	164	0.00	3.09
			AvgRF	CCRF	%Dev			
45		Propionitrile	0.021	0.023	-9.5	129	0.00	3.14
46		Methacrylonitrile	0.103	0.113	-9.7	130	0.00	3.17
47		Benzene	0.979	0.964	1.5	113	0.00	3.18
48		TAME	0.527	0.557	-5.7	119	0.00	3.24
49	S	1,2-Dichloroethane-d4	0.314	0.333	-6.1	125	0.00	3.24
50		1,2-Dichloroethane	0.329	0.328	0.3	120	0.00	3.27
51		Isobutyl Alcohol	0.013	0.016	-23.1#	134	0.00	3.25
			Amount	Calc.	%Drift			
52		Tert Amyl Alcohol	400.000	455.159	-13.8	131	0.00	3.32
			AvgRF	CCRF	%Dev			
53		Trichloroethene	0.275	0.265	3.6	115	0.00	3.50
54		Methylcyclohexane	0.410	0.414	-1.0	111	0.00	3.53
55		Dibromomethane	0.152	0.144	5.3	112	0.00	3.73
56		1,2-Dichloropropane	0.258	0.251	2.7	115	0.00	3.79
57		Bromodichloromethane	0.325	0.328	-0.9	115	0.00	3.83
58		Methyl methacrylate	0.136	0.157	-15.4	133	0.00	3.91
59		1,4-Dioxane	0.001	0.001	0.0	136	0.00	3.94
			Amount	Calc.	%Drift			
60		2-Chloroethyl vinyl ether	200.000	237.564	-18.8	141	0.00	4.16
			AvgRF	CCRF	%Dev			
61		cis-1,3-Dichloropropene	0.359	0.373	-3.9	116	0.00	4.21
62	I	Chlorobenzene-d5	1.000	1.000	0.0	121	0.00	5.35
63	S	Toluene-d8	1.408	1.401	0.5	121	0.00	4.34
64		Toluene	1.507	1.457	3.3	114	0.00	4.37
			Amount	Calc.	%Drift			
65		2-Nitropropane	200.000	216.387	-8.2	138	0.00	4.46
66		4-Methyl-2-pentanone	200.000	223.417	-11.7	137	0.00	4.57
67		trans-1,3-Dichloropropene	40.000	38.207	4.5	119	0.00	4.61
			AvgRF	CCRF	%Dev			
68		Tetrachloroethene	0.425	0.390	8.2	101	0.00	4.63

Continuing Calibration Summary

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1A3060-CC3047
Lab FileID: 1A59533.D

			Amount	Calc.	%Drift			
69		Ethyl methacrylate	40.000	38.240	4.4	121	0.00	4.73
			AvgRF	CCRF	%Dev			
70		1,1,2-Trichloroethane	0.228	0.226	0.9	115	0.00	4.71
71		Dibromochloromethane	0.310	0.324	-4.5	118	0.00	4.84
72		1,3-Dichloropropane	0.458	0.454	0.9	115	0.00	4.89
73		1,2-Dibromoethane	0.264	0.267	-1.1	117	0.00	4.99
			Amount	Calc.	%Drift			
74		3,3-Dimethyl-1-Butanol	2000.000	2360.746	-18.0	143	0.00	5.12
75		2-hexanone	200.000	223.755	-11.9	138	0.00	5.14
			AvgRF	CCRF	%Dev			
76		1-Chlorohexane	0.520	0.524	-0.8	123	0.00	5.36
77		Ethylbenzene	1.687	1.600	5.2	108	0.00	5.39
78		Chlorobenzene	0.967	0.918	5.1	112	0.00	5.36
79		1,1,1,2-Tetrachloroethane	0.307	0.326	-6.2	119	0.00	5.41
80		m,p-Xylene	1.284	1.286	-0.2	113	0.00	5.50
81		o-Xylene	1.296	1.291	0.4	112	0.00	5.80
82		Styrene	0.922	0.927	-0.5	109	0.00	5.83
83		Bromoform	0.174	0.190	-9.2	124	0.00	5.84
84		Isopropylbenzene	1.496	1.495	0.1	111	0.00	6.04
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	123	0.00	7.09
86	S	4-Bromofluorobenzene	0.823	0.822	0.1	122	0.00	6.23
87		cis-1,4-Dichloro-2-butene	0.152	0.180	-18.4	144	0.00	6.26
88		n-Propylbenzene	3.626	3.449	4.9	111	0.00	6.34
89		Bromobenzene	0.744	0.682	8.3	108	0.00	6.30
90		1,1,2,2-Tetrachloroethane	0.530	0.529	0.2	116	0.00	6.37
91		1,3,5-Trimethylbenzene	2.267	2.240	1.2	110	0.00	6.50
92		2-Chlorotoluene	2.008	1.920	4.4	110	0.00	6.45
93		trans-1,4-Dichloro-2-Bute	0.206	0.223	-8.3	126	0.00	6.50
94		1,2,3-Trichloropropane	0.151	0.151	0.0	119	0.00	6.46
95		Cyclohexanone	0.011	0.013	-18.2	147	0.00	6.48
96		4-Chlorotoluene	2.066	2.003	3.0	112	0.00	6.58
97		tert-Butylbenzene	1.367	1.318	3.6	108	0.00	6.75
98		1,2,4-Trimethylbenzene	2.141	2.117	1.1	109	0.00	6.80
			Amount	Calc.	%Drift			
99		Pentachloroethane	40.000	47.477	-18.7	145	0.00	6.75
			AvgRF	CCRF	%Dev			
100		sec-Butylbenzene	2.904	2.734	5.9	105	0.00	6.88
101		4-Isopropyltoluene	2.344	2.272	3.1	106	0.00	7.01
102		1,3-Dichlorobenzene	1.312	1.192	9.1	107	0.00	7.03
103		1,2,3-Trimethylbenzene	2.157	2.050	5.0	108	0.00	7.14
104		1,4-Dichlorobenzene	1.303	1.190	8.7	107	0.00	7.10
			Amount	Calc.	%Drift			
105		n-Butylbenzene	40.000	35.920	10.2	108	0.00	7.34
106		Benzyl Chloride	40.000	42.572	-6.4	127	0.00	7.29
			AvgRF	CCRF	%Dev			
107		1,2-Dichlorobenzene	1.138	1.037	8.9	107	0.00	7.42
108		1,2-Dibromo-3-Chloropropa	0.068	0.072	-5.9	128	0.00	8.00
109		Hexachlorobutadiene	0.305	0.280	8.2	106	0.00	8.51
110		1,2,4-Trichlorobenzene	0.542	0.520	4.1	106	0.00	8.50
			Amount	Calc.	%Drift			

Continuing Calibration Summary

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1A3060-CC3047
Lab FileID: 1A59533.D

111	Naphthalene	40.000	38.176	4.6	112	0.00	8.71
		AvgRF	CCRF	%Dev			
112	1,2,3-Trichlorobenzene	0.422	0.403	4.5	106	0.00	8.83

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1A59239.D V1A3047_09182024.M Sun Sep 29 11:16:42 2024

Continuing Calibration Summary

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1A3060-ECC3047
Lab FileID: 1A59560.D

Evaluate Continuing Calibration Report

Data File : X:\Orlando VOA\jhene...024\V1A3060\1A59560.d Vial: 29
Acq On : 29 Sep 2024 9:28 pm Operator: jeniferw
Sample : ECC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57599,V1A3060,,,,, Multiplr: 1.00
MS Integration Params: med.p

Method : X:\Orlando VOA\j...A3047_09182024.M (RTE Integrator)
Title : SW-846 Method 5030/8260D & EPA 624.1
Last Update : Wed Sep 18 13:49:10 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 50% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	120	0.00	3.40
2	Dichlorodifluoromethane	0.278	0.346	-24.5	151	0.00	1.01
3	Chloromethane	0.254	0.294	-15.7	138	0.00	1.12
4	1,3-butadiene	0.229	0.248	-8.3	133	0.00	1.18
5	Vinyl Chloride	0.280	0.309	-10.4	134	0.00	1.16
6	Bromomethane	0.150	0.159	-6.0	118	0.00	1.34
7	Chloroethane	0.190	0.175	7.9	121	0.00	1.41
8	Trichlorofluoromethane	0.426	0.427	-0.2	122	0.00	1.49
9	Ethyl Ether	0.177	0.204	-15.3	139	0.00	1.65
	----------	True	Calc.	% Drift	----------		
10	Ethanol	800.000	846.372	-5.8	126	0.00	1.70
	----------	AvgRF	CCRF	% Dev	----------		
11	1,2-Dichlorotrifluoroetha	0.294	0.323	-9.9	130	0.00	1.73
12	1,1-Dichloroethene	0.352	0.425	-20.7	142	0.00	1.75
13	Freon 113	0.234	0.260	-11.1	129	0.00	1.78
14	Carbon Disulfide	0.710	0.799	-12.5	133	0.00	1.77
	----------	True	Calc.	% Drift	----------		
15	Iodomethane	40.000	56.637	-41.6	170	0.00	1.83
	----------	AvgRF	CCRF	% Dev	----------		
16	Acrolein	0.025	0.024	4.0	108	0.00	1.90
17	Allyl chloride	0.323	0.389	-20.4	142	0.00	1.99
	----------	True	Calc.	% Drift	----------		
18	Methylene Chloride	40.000	45.862	-14.7	139	0.00	2.03
	----------	AvgRF	CCRF	% Dev	----------		
19	Acetone	0.044	0.043	2.3	125	0.00	2.04
20	Methyl acetate	0.120	0.144	-20.0	145	0.00	2.11
21	trans-1,2-Dichloroethene	0.350	0.417	-19.1	141	0.00	2.13
22	Hexane	0.218	0.251	-15.1	134	0.00	2.19
23	Methyl Tert Butyl Ether	0.537	0.651	-21.2	140	0.00	2.18
	----------	True	Calc.	% Drift	----------		
24	Acetonitrile	400.000	376.393	5.9	124	0.00	2.27
	----------	AvgRF	CCRF	% Dev	----------		
25	Tert Butyl Alcohol	0.012	0.012	0.0	118	0.00	2.20
26	Di-isopropyl ether	0.706	0.914	-29.5	147	0.00	2.38

Continuing Calibration Summary

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1A3060-ECC3047
Lab FileID: 1A59560.D

27		Chloroprene	0.669	0.795	-18.8	141	0.00	2.43
28		1,1-Dichloroethane	0.453	0.536	-18.3	138	0.00	2.43
29		Acrylonitrile	0.070	0.083	-18.6	142	0.00	2.43
30		ETBE	0.652	0.849	-30.2	144	0.00	2.57
31		Vinyl acetate	0.394	0.482	-22.3	140	0.00	2.55
32		cis-1,2-Dichloroethene	0.266	0.301	-13.2	135	0.00	2.71
33		2,2-Dichloropropane	0.331	0.384	-16.0	134	0.00	2.77
34		Bromochloromethane	0.132	0.152	-15.2	136	0.00	2.81
35		Cyclohexane	0.420	0.497	-18.3	132	0.00	2.86
36		Chloroform	0.469	0.554	-18.1	140	0.00	2.85
37		Ethyl acetate	0.157	0.191	-21.7	145	0.00	2.90
38		Tetrahydrofuran	0.047	0.056	-19.1	155	0.00	2.94
39	S	Dibromofluoromethane	0.285	0.282	1.1	120	0.00	2.95
40		Carbon Tetrachloride	0.353	0.417	-18.1	138	0.00	2.96
41		1,1,1-Trichloroethane	0.385	0.464	-20.5	140	0.00	2.98
42		2-Butanone	0.067	0.077	-14.9	139	0.00	3.00
			True	Calc.	% Drift			
43		1,1-Dichloropropene	40.000	46.415	-16.0	135	0.00	3.05
44		tert-Butyl formate	200.000	272.504	-36.3	165	0.00	3.09
			AvgRF	CCRF	% Dev			
45		Propionitrile	0.021	0.023	-9.5	133	0.00	3.14
46		Methacrylonitrile	0.103	0.126	-22.3	146	0.00	3.16
47		Benzene	0.979	1.151	-17.6	136	0.00	3.17
48		TAME	0.527	0.654	-24.1	141	0.00	3.24
49	S	1,2-Dichloroethane-d4	0.314	0.329	-4.8	125	0.00	3.23
50		1,2-Dichloroethane	0.329	0.398	-21.0	147	0.00	3.27
51		Isobutyl Alcohol	0.013	0.017	-30.8	147	0.00	3.24
			True	Calc.	% Drift			
52		Tert Amyl Alcohol	400.000	417.541	-4.4	121	0.00	3.31
			AvgRF	CCRF	% Dev			
53		Trichloroethene	0.275	0.315	-14.5	138	0.00	3.50
54		Methylcyclohexane	0.410	0.481	-17.3	130	0.00	3.53
55		Dibromomethane	0.152	0.175	-15.1	138	0.00	3.73
56		1,2-Dichloropropane	0.258	0.304	-17.8	140	0.00	3.79
57		Bromodichloromethane	0.325	0.403	-24.0	143	0.00	3.82
58		Methyl methacrylate	0.136	0.170	-25.0	146	0.00	3.91
59		1,4-Dioxane	0.001	0.001	0.0	121	0.00	3.94
			True	Calc.	% Drift			
60		2-Chloroethyl vinyl ether	200.000	260.492	-30.2	158	0.00	4.16
			AvgRF	CCRF	% Dev			
61		cis-1,3-Dichloropropene	0.359	0.449	-25.1	141	0.00	4.21
62	I	Chlorobenzene-d5	1.000	1.000	0.0	123	0.00	5.35
63	S	Toluene-d8	1.408	1.396	0.9	122	0.00	4.34
64		Toluene	1.507	1.734	-15.1	138	0.00	4.37
			True	Calc.	% Drift			
65		2-Nitropropane	200.000	237.827	-18.9	154	0.00	4.46
66		4-Methyl-2-pentanone	200.000	236.073	-18.0	147	0.00	4.57
67		trans-1,3-Dichloropropene	40.000	45.520	-13.8	144	0.00	4.61
			AvgRF	CCRF	% Dev			
68		Tetrachloroethene	0.425	0.564	-32.7	148	0.00	4.63

Continuing Calibration Summary

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1A3060-ECC3047
Lab FileID: 1A59560.D

			True	Calc.	% Drift			
69		Ethyl methacrylate	40.000	43.387	-8.5	139	0.00	4.72
			AvgRF	CCRF	% Dev			
70		1,1,2-Trichloroethane	0.228	0.267	-17.1	138	0.00	4.71
71		Dibromochloromethane	0.310	0.392	-26.5	144	0.00	4.84
72		1,3-Dichloropropane	0.458	0.544	-18.8	140	0.00	4.89
73		1,2-Dibromoethane	0.264	0.316	-19.7	141	0.00	4.99
			True	Calc.	% Drift			
74		3,3-Dimethyl-1-Butanol	2000.000	2319.533	-16.0	142	0.00	5.12
75		2-hexanone	200.000	230.713	-15.4	144	0.00	5.14
			AvgRF	CCRF	% Dev			
76		1-Chlorohexane	0.520	0.603	-16.0	144	0.00	5.36
77		Ethylbenzene	1.687	1.907	-13.0	130	0.00	5.39
78		Chlorobenzene	0.967	1.098	-13.5	135	0.00	5.36
79		1,1,1,2-Tetrachloroethane	0.307	0.392	-27.7	145	0.00	5.41
80		m,p-Xylene	1.284	1.526	-18.8	136	0.00	5.50
81		o-Xylene	1.296	1.542	-19.0	136	0.00	5.80
82		Styrene	0.922	1.124	-21.9	134	0.00	5.83
83		Bromoform	0.174	0.221	-27.0	146	0.00	5.84
84		Isopropylbenzene	1.496	1.769	-18.2	133	0.00	6.04
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	120	0.00	7.09
86	S	4-Bromofluorobenzene	0.823	0.840	-2.1	122	0.00	6.23
87		cis-1,4-Dichloro-2-butene	0.152	0.199	-30.9	156	0.00	6.26
88		n-Propylbenzene	3.626	4.207	-16.0	133	0.00	6.34
89		Bromobenzene	0.744	0.853	-14.7	132	0.00	6.30
90		1,1,2,2-Tetrachloroethane	0.530	0.625	-17.9	135	0.00	6.37
91		1,3,5-Trimethylbenzene	2.267	2.802	-23.6	135	0.00	6.50
92		2-Chlorotoluene	2.008	2.371	-18.1	133	0.00	6.45
93		trans-1,4-Dichloro-2-Bute	0.206	0.259	-25.7	144	0.00	6.50
94		1,2,3-Trichloropropane	0.151	0.179	-18.5	138	0.00	6.46
95		Cyclohexanone	0.011	0.013	-18.2	142	0.00	6.48
96		4-Chlorotoluene	2.066	2.484	-20.2	136	0.00	6.58
97		tert-Butylbenzene	1.367	1.667	-21.9	134	0.00	6.74
98		1,2,4-Trimethylbenzene	2.141	2.655	-24.0	134	0.00	6.80
			True	Calc.	% Drift			
99		Pentachloroethane	40.000	39.359	1.6	118	0.00	6.74
			AvgRF	CCRF	% Dev			
100		sec-Butylbenzene	2.904	3.426	-18.0	129	0.00	6.88
101		4-Isopropyltoluene	2.344	2.848	-21.5	130	0.00	7.01
102		1,3-Dichlorobenzene	1.312	1.473	-12.3	129	0.00	7.03
103		1,2,3-Trimethylbenzene	2.157	2.555	-18.5	132	0.00	7.14
104		1,4-Dichlorobenzene	1.303	1.481	-13.7	130	0.00	7.10
			True	Calc.	% Drift			
105		n-Butylbenzene	40.000	44.389	-11.0	131	0.00	7.34
106		Benzyl Chloride	40.000	43.075	-7.7	126	0.00	7.29
			AvgRF	CCRF	% Dev			
107		1,2-Dichlorobenzene	1.138	1.304	-14.6	132	0.00	7.42
108		1,2-Dibromo-3-Chloropropa	0.068	0.088	-29.4	153	0.00	8.00
109		Hexachlorobutadiene	0.305	0.337	-10.5	125	0.00	8.51
110		1,2,4-Trichlorobenzene	0.542	0.658	-21.4	132	0.00	8.50
			True	Calc.	% Drift			

Continuing Calibration Summary

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1A3060-ECC3047
Lab FileID: 1A59560.D

111	Naphthalene	40.000	49.457	-23.6	146	0.00	8.71
		AvgRF	CCRF	% Dev			
112	1,2,3-Trichlorobenzene	0.422	0.529	-25.4	137	0.00	8.83

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1A59239.D V1A3047_09182024.M Mon Sep 30 02:35:05 2024

Continuing Calibration Summary

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1A3062-CC3047
Lab FileID: 1A59592.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\100124\1A59592.D Vial: 2
Acq On : 1 Oct 2024 6:42 am Operator: jeniferw
Sample : CC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57600,V1A3062,,,,, Multiplr: 1.00
MS Integration Params: med.p

Method : C:\msdchem\1\met...A3047_09182024.M (RTE Integrator)
Title : SW-846 Method 5030/8260D & EPA 624.1
Last Update : Wed Sep 18 13:49:10 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	120	0.00	3.40
2	Dichlorodifluoromethane	0.278	0.331	-19.1	144	0.00	1.02
3	Chloromethane	0.254	0.278	-9.4	131	0.00	1.13
4	1,3-butadiene	0.229	0.229	0.0	123	0.00	1.19
5	Vinyl Chloride	0.280	0.302	-7.9	131	0.00	1.17
6	Bromomethane	0.150	0.149	0.7	110	0.00	1.35
7	Chloroethane	0.190	0.166	12.6	115	0.00	1.42
8	Trichlorofluoromethane	0.426	0.421	1.2	120	0.00	1.50
9	Ethyl Ether	0.177	0.187	-5.6	127	0.00	1.66
	----------	Amount	Calc.	%Drift	----------		
10	Ethanol	800.000	792.399	1.0	118	0.00	1.70
	----------	AvgRF	CCRF	%Dev	----------		
11	1,2-Dichlorotrifluoroetha	0.294	0.311	-5.8	126	0.00	1.74
12	1,1-Dichloroethene	0.352	0.400	-13.6	134	0.00	1.76
13	Freon 113	0.234	0.249	-6.4	124	0.00	1.79
14	Carbon Disulfide	0.710	0.751	-5.8	126	0.00	1.78
	----------	Amount	Calc.	%Drift	----------		
15	Iodomethane	40.000	42.158	-5.4	117	0.00	1.83
	----------	AvgRF	CCRF	%Dev	----------		
16	Acrolein	0.025	0.026	-4.0	118	0.00	1.90
17	Allyl chloride	0.323	0.373	-15.5	136	0.00	2.00
	----------	Amount	Calc.	%Drift	----------		
18	Methylene Chloride	40.000	41.580	-3.9	126	0.00	2.04
	----------	AvgRF	CCRF	%Dev	----------		
19	Acetone	0.044	0.049	-11.4	142	0.00	2.05
20	Methyl acetate	0.120	0.137	-14.2	138	0.00	2.12
21	trans-1,2-Dichloroethene	0.350	0.390	-11.4	132	0.00	2.13
22	Hexane	0.218	0.247	-13.3	133	0.00	2.20
23	Methyl Tert Butyl Ether	0.537	0.594	-10.6	127	0.00	2.19
	----------	Amount	Calc.	%Drift	----------		
24	Acetonitrile	400.000	413.193	-3.3	135	0.00	2.27
	----------	AvgRF	CCRF	%Dev	----------		
25	Tert Butyl Alcohol	0.012	0.015	-25.0#	141	0.00	2.20
26	Di-isopropyl ether	0.706	0.803	-13.7	130	0.00	2.39

Continuing Calibration Summary

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1A3062-CC3047
Lab FileID: 1A59592.D

27		Chloroprene	0.669	0.765	-14.3	136	0.00	2.43
28		1,1-Dichloroethane	0.453	0.488	-7.7	126	0.00	2.44
29		Acrylonitrile	0.070	0.081	-15.7	138	0.00	2.43
30		ETBE	0.652	0.750	-15.0	128	0.00	2.58
31		Vinyl acetate	0.394	0.497	-26.1#	145	0.00	2.56
32		cis-1,2-Dichloroethene	0.266	0.270	-1.5	122	0.00	2.72
33		2,2-Dichloropropane	0.331	0.382	-15.4	134	0.00	2.78
34		Bromochloromethane	0.132	0.132	0.0	118	0.00	2.82
35		Cyclohexane	0.420	0.478	-13.8	127	0.00	2.86
36		Chloroform	0.469	0.497	-6.0	125	0.00	2.86
37		Ethyl acetate	0.157	0.190	-21.0#	144	0.00	2.91
38		Tetrahydrofuran	0.047	0.057	-21.3#	157	0.00	2.94
39	S	Dibromofluoromethane	0.285	0.280	1.8	119	0.00	2.95
40		Carbon Tetrachloride	0.353	0.380	-7.6	126	0.00	2.96
41		1,1,1-Trichloroethane	0.385	0.425	-10.4	128	0.00	2.98
42		2-Butanone	0.067	0.079	-17.9	143	0.00	3.00
			Amount	Calc.	%Drift			
43		1,1-Dichloropropene	40.000	44.260	-10.6	129	0.00	3.05
44		tert-Butyl formate	200.000	282.773	-41.4#	172	0.00	3.09
			AvgRF	CCRF	%Dev			
45		Propionitrile	0.021	0.024	-14.3	140	0.00	3.14
46		Methacrylonitrile	0.103	0.123	-19.4	143	0.00	3.17
47		Benzene	0.979	1.053	-7.6	125	0.00	3.18
48		TAME	0.527	0.598	-13.5	129	0.00	3.25
49	S	1,2-Dichloroethane-d4	0.314	0.336	-7.0	127	0.00	3.24
50		1,2-Dichloroethane	0.329	0.359	-9.1	133	0.00	3.27
51		Isobutyl Alcohol	0.013	0.017	-30.8#	146	0.00	3.25
			Amount	Calc.	%Drift			
52		Tert Amyl Alcohol	400.000	499.270	-24.8#	147	0.00	3.32
			AvgRF	CCRF	%Dev			
53		Trichloroethene	0.275	0.288	-4.7	127	0.00	3.50
54		Methylcyclohexane	0.410	0.447	-9.0	121	0.00	3.53
55		Dibromomethane	0.152	0.158	-3.9	124	0.00	3.73
56		1,2-Dichloropropane	0.258	0.268	-3.9	124	0.00	3.79
57		Bromodichloromethane	0.325	0.357	-9.8	127	0.00	3.83
58		Methyl methacrylate	0.136	0.166	-22.1#	142	0.00	3.91
59		1,4-Dioxane	0.001	0.001	0.0	150	0.00	3.94
			Amount	Calc.	%Drift			
60		2-Chloroethyl vinyl ether	200.000	243.300	-21.7#	147	0.00	4.16
			AvgRF	CCRF	%Dev			
61		cis-1,3-Dichloropropene	0.359	0.407	-13.4	128	0.00	4.21
62	I	Chlorobenzene-d5	1.000	1.000	0.0	125	0.00	5.35
63	S	Toluene-d8	1.408	1.393	1.1	124	0.00	4.34
64		Toluene	1.507	1.567	-4.0	126	0.00	4.37
			Amount	Calc.	%Drift			
65		2-Nitropropane	200.000	236.699	-18.3	156	0.00	4.46
66		4-Methyl-2-pentanone	200.000	225.417	-12.7	142	0.00	4.58
67		trans-1,3-Dichloropropene	40.000	40.827	-2.1	131	0.00	4.61
			AvgRF	CCRF	%Dev			
68		Tetrachloroethene	0.425	0.417	1.9	111	0.00	4.63

Continuing Calibration Summary

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1A3062-CC3047
Lab FileID: 1A59592.D

			Amount	Calc.	%Drift			
69		Ethyl methacrylate	40.000	40.176	-0.4	131	0.00	4.73
			AvgRF	CCRF	%Dev			
70		1,1,2-Trichloroethane	0.228	0.244	-7.0	128	0.00	4.71
71		Dibromochloromethane	0.310	0.351	-13.2	131	0.00	4.84
72		1,3-Dichloropropane	0.458	0.487	-6.3	127	0.00	4.89
73		1,2-Dibromoethane	0.264	0.284	-7.6	129	0.00	4.99
			Amount	Calc.	%Drift			
74		3,3-Dimethyl-1-Butanol	2000.000	2392.619	-19.6	150	0.00	5.12
75		2-hexanone	200.000	227.207	-13.6	144	0.00	5.14
			AvgRF	CCRF	%Dev			
76		1-Chlorohexane	0.520	0.536	-3.1	130	0.00	5.36
77		Ethylbenzene	1.687	1.735	-2.8	120	0.00	5.39
78		Chlorobenzene	0.967	0.978	-1.1	122	0.00	5.36
79		1,1,1,2-Tetrachloroethane	0.307	0.345	-12.4	129	0.00	5.41
80		m,p-Xylene	1.284	1.371	-6.8	124	0.00	5.50
81		o-Xylene	1.296	1.364	-5.2	122	0.00	5.80
82		Styrene	0.922	0.989	-7.3	119	0.00	5.83
83		Bromoform	0.174	0.204	-17.2	137	0.00	5.84
84		Isopropylbenzene	1.496	1.575	-5.3	120	0.00	6.04
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	124	0.00	7.09
86	S	4-Bromofluorobenzene	0.823	0.822	0.1	123	0.00	6.23
87		cis-1,4-Dichloro-2-butene	0.152	0.199	-30.9#	161	0.00	6.26
88		n-Propylbenzene	3.626	3.713	-2.4	121	0.00	6.34
89		Bromobenzene	0.744	0.747	-0.4	119	0.00	6.31
90		1,1,2,2-Tetrachloroethane	0.530	0.578	-9.1	128	0.00	6.37
91		1,3,5-Trimethylbenzene	2.267	2.422	-6.8	120	0.00	6.50
92		2-Chlorotoluene	2.008	2.063	-2.7	119	0.00	6.45
93		trans-1,4-Dichloro-2-Bute	0.206	0.248	-20.4#	142	0.00	6.50
94		1,2,3-Trichloropropane	0.151	0.167	-10.6	133	0.00	6.47
95		Cyclohexanone	0.011	0.013	-18.2	154	0.00	6.48
96		4-Chlorotoluene	2.066	2.183	-5.7	123	0.00	6.58
97		tert-Butylbenzene	1.367	1.421	-4.0	118	0.00	6.74
98		1,2,4-Trimethylbenzene	2.141	2.276	-6.3	119	0.00	6.80
			Amount	Calc.	%Drift			
99		Pentachloroethane	40.000	50.120	-25.3#	154	0.00	6.74
			AvgRF	CCRF	%Dev			
100		sec-Butylbenzene	2.904	2.973	-2.4	115	0.00	6.88
101		4-Isopropyltoluene	2.344	2.440	-4.1	115	0.00	7.01
102		1,3-Dichlorobenzene	1.312	1.293	1.4	117	0.00	7.03
103		1,2,3-Trimethylbenzene	2.157	2.168	-0.5	115	0.00	7.14
104		1,4-Dichlorobenzene	1.303	1.289	1.1	117	0.00	7.10
			Amount	Calc.	%Drift			
105		n-Butylbenzene	40.000	38.149	4.6	116	0.00	7.34
106		Benzyl Chloride	40.000	46.561	-16.4	141	0.00	7.29
			AvgRF	CCRF	%Dev			
107		1,2-Dichlorobenzene	1.138	1.126	1.1	117	0.00	7.42
108		1,2-Dibromo-3-Chloropropa	0.068	0.076	-11.8	136	0.00	8.00
109		Hexachlorobutadiene	0.305	0.307	-0.7	118	0.00	8.51
110		1,2,4-Trichlorobenzene	0.542	0.544	-0.4	112	0.00	8.50
			Amount	Calc.	%Drift			

Continuing Calibration Summary

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1A3062-CC3047
Lab FileID: 1A59592.D

111	Naphthalene	40.000	39.814	0.5	118	0.00	8.71
		AvgRF	CCRF	%Dev			
112	1,2,3-Trichlorobenzene	0.422	0.432	-2.4	115	0.00	8.83

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1A59239.D V1A3047_09182024.M Tue Oct 01 07:10:21 2024

Continuing Calibration Summary

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1A3062-ECC3047
Lab FileID: 1A59621.D

Evaluate Continuing Calibration Report

Data File : X:\Orlando VOA\jhene...024\V1A3062\1A59621.d Vial: 31
Acq On : 1 Oct 2024 6:25 pm Operator: jeniferw
Sample : ECC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,, Multiplr: 1.00
MS Integration Params: med.p

Method : X:\Orlando VOA\j...A3047_09182024.M (RTE Integrator)
Title : SW-846 Method 5030/8260D & EPA 624.1
Last Update : Wed Sep 18 13:49:10 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 50% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	116	0.00	3.40
2	Dichlorodifluoromethane	0.278	0.349	-25.5	146	0.00	1.02
3	Chloromethane	0.254	0.301	-18.5	136	0.00	1.13
4	1,3-butadiene	0.229	0.232	-1.3	120	0.00	1.18
5	Vinyl Chloride	0.280	0.306	-9.3	128	0.00	1.17
6	Bromomethane	0.150	0.166	-10.7	119	0.00	1.35
7	Chloroethane	0.190	0.173	8.9	115	0.00	1.42
8	Trichlorofluoromethane	0.426	0.422	0.9	116	0.00	1.50
9	Ethyl Ether	0.177	0.175	1.1	115	0.00	1.65
	----------	True	Calc.	% Drift	----------		
10	Ethanol	800.000	813.134	-1.6	116	0.00	1.70
	----------	AvgRF	CCRF	% Dev	----------		
11	1,2-Dichlorotrifluoroetha	0.294	0.305	-3.7	118	0.00	1.74
12	1,1-Dichloroethene	0.352	0.396	-12.5	127	0.00	1.76
13	Freon 113	0.234	0.251	-7.3	120	0.00	1.79
14	Carbon Disulfide	0.710	0.752	-5.9	121	0.00	1.78
	----------	True	Calc.	% Drift	----------		
15	Iodomethane	40.000	50.487	-26.2	141	0.00	1.83
	----------	AvgRF	CCRF	% Dev	----------		
16	Acrolein	0.025	0.022	12.0	98	0.00	1.90
17	Allyl chloride	0.323	0.367	-13.6	129	0.00	2.00
	----------	True	Calc.	% Drift	----------		
18	Methylene Chloride	40.000	42.901	-7.3	125	0.00	2.04
	----------	AvgRF	CCRF	% Dev	----------		
19	Acetone	0.044	0.042	4.5	117	0.00	2.04
20	Methyl acetate	0.120	0.117	2.5	113	0.00	2.12
21	trans-1,2-Dichloroethene	0.350	0.382	-9.1	124	0.00	2.13
22	Hexane	0.218	0.239	-9.6	124	0.00	2.20
23	Methyl Tert Butyl Ether	0.537	0.543	-1.1	112	0.00	2.19
	----------	True	Calc.	% Drift	----------		
24	Acetonitrile	400.000	361.116	9.7	115	0.00	2.27
	----------	AvgRF	CCRF	% Dev	----------		
25	Tert Butyl Alcohol	0.012	0.010	16.7	96	0.00	2.20
26	Di-isopropyl ether	0.706	0.802	-13.6	124	0.00	2.39

Continuing Calibration Summary

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1A3062-ECC3047
Lab FileID: 1A59621.D

27		Chloroprene	0.669	0.727	-8.7	124	0.00	2.43
28		1,1-Dichloroethane	0.453	0.493	-8.8	123	0.00	2.44
29		Acrylonitrile	0.070	0.073	-4.3	121	0.00	2.43
30		ETBE	0.652	0.733	-12.4	120	0.00	2.57
31		Vinyl acetate	0.394	0.424	-7.6	119	0.00	2.56
32		cis-1,2-Dichloroethene	0.266	0.277	-4.1	120	0.00	2.72
33		2,2-Dichloropropane	0.331	0.360	-8.8	121	0.00	2.78
34		Bromochloromethane	0.132	0.134	-1.5	115	0.00	2.82
35		Cyclohexane	0.420	0.480	-14.3	123	0.00	2.86
36		Chloroform	0.469	0.507	-8.1	123	0.00	2.86
37		Ethyl acetate	0.157	0.159	-1.3	116	0.00	2.91
38		Tetrahydrofuran	0.047	0.045	4.3	119	0.00	2.94
39	S	Dibromofluoromethane	0.285	0.282	1.1	116	0.00	2.95
40		Carbon Tetrachloride	0.353	0.372	-5.4	119	0.00	2.96
41		1,1,1-Trichloroethane	0.385	0.421	-9.4	122	0.00	2.98
42		2-Butanone	0.067	0.066	1.5	114	0.00	3.00
			True	Calc.	% Drift			
43		1,1-Dichloropropene	40.000	43.478	-8.7	122	0.00	3.05
44		tert-Butyl formate	200.000	244.713	-22.4	141	0.00	3.09
			AvgRF	CCRF	% Dev			
45		Propionitrile	0.021	0.020	4.8	110	0.00	3.14
46		Methacrylonitrile	0.103	0.105	-1.9	117	0.00	3.17
47		Benzene	0.979	1.055	-7.8	120	0.00	3.18
48		TAME	0.527	0.549	-4.2	114	0.00	3.24
49	S	1,2-Dichloroethane-d4	0.314	0.329	-4.8	120	0.00	3.24
50		1,2-Dichloroethane	0.329	0.356	-8.2	127	0.00	3.27
51		Isobutyl Alcohol	0.013	0.014	-7.7	118	0.00	3.25
			True	Calc.	% Drift			
52		Tert Amyl Alcohol	400.000	328.303	17.9	90	0.00	3.32
			AvgRF	CCRF	% Dev			
53		Trichloroethene	0.275	0.288	-4.7	122	0.00	3.50
54		Methylcyclohexane	0.410	0.452	-10.2	118	0.00	3.53
55		Dibromomethane	0.152	0.154	-1.3	116	0.00	3.73
56		1,2-Dichloropropane	0.258	0.276	-7.0	123	0.00	3.79
57		Bromodichloromethane	0.325	0.361	-11.1	123	0.00	3.83
58		Methyl methacrylate	0.136	0.143	-5.1	118	0.00	3.91
59		1,4-Dioxane	0.001	0.001	0.0	97	0.00	3.94
			True	Calc.	% Drift			
60		2-Chloroethyl vinyl ether	200.000	218.313	-9.2	125	0.00	4.16
			AvgRF	CCRF	% Dev			
61		cis-1,3-Dichloropropene	0.359	0.397	-10.6	120	0.00	4.21
62	I	Chlorobenzene-d5	1.000	1.000	0.0	120	0.00	5.35
63	S	Toluene-d8	1.408	1.376	2.3	118	0.00	4.34
64		Toluene	1.507	1.559	-3.5	121	0.00	4.37
			True	Calc.	% Drift			
65		2-Nitropropane	200.000	192.039	4.0	122	0.00	4.46
66		4-Methyl-2-pentanone	200.000	187.687	6.2	114	0.00	4.57
67		trans-1,3-Dichloropropene	40.000	38.838	2.9	120	0.00	4.61
			AvgRF	CCRF	% Dev			
68		Tetrachloroethene	0.425	0.484	-13.9	124	0.00	4.63

Continuing Calibration Summary

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1A3062-ECC3047
Lab FileID: 1A59621.D

			True	Calc.	% Drift			
69		Ethyl methacrylate	40.000	35.102	12.2	110	0.00	4.73
			AvgRF	CCRF	% Dev			
70		1,1,2-Trichloroethane	0.228	0.226	0.9	114	0.00	4.71
71		Dibromochloromethane	0.310	0.336	-8.4	121	0.00	4.84
72		1,3-Dichloropropane	0.458	0.466	-1.7	117	0.00	4.89
73		1,2-Dibromoethane	0.264	0.269	-1.9	117	0.00	4.99
			True	Calc.	% Drift			
74		3,3-Dimethyl-1-Butanol	2000.000	1739.602	13.0	99	0.00	5.12
75		2-hexanone	200.000	178.505	10.7	109	0.00	5.14
			AvgRF	CCRF	% Dev			
76		1-Chlorohexane	0.520	0.531	-2.1	124	0.00	5.36
77		Ethylbenzene	1.687	1.724	-2.2	115	0.00	5.39
78		Chlorobenzene	0.967	0.981	-1.4	118	0.00	5.36
79		1,1,1,2-Tetrachloroethane	0.307	0.340	-10.7	123	0.00	5.41
80		m,p-Xylene	1.284	1.372	-6.9	120	0.00	5.50
81		o-Xylene	1.296	1.375	-6.1	118	0.00	5.80
82		Styrene	0.922	1.007	-9.2	117	0.00	5.83
83		Bromoform	0.174	0.182	-4.6	118	0.00	5.84
84		Isopropylbenzene	1.496	1.585	-5.9	116	0.00	6.04
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	119	0.00	7.09
86	S	4-Bromofluorobenzene	0.823	0.823	0.0	118	0.00	6.23
87		cis-1,4-Dichloro-2-butene	0.152	0.167	-9.9	130	0.00	6.26
88		n-Propylbenzene	3.626	3.800	-4.8	119	0.00	6.34
89		Bromobenzene	0.744	0.755	-1.5	115	0.00	6.30
90		1,1,2,2-Tetrachloroethane	0.530	0.506	4.5	108	0.00	6.37
91		1,3,5-Trimethylbenzene	2.267	2.520	-11.2	120	0.00	6.50
92		2-Chlorotoluene	2.008	2.096	-4.4	116	0.00	6.45
93		trans-1,4-Dichloro-2-Bute	0.206	0.228	-10.7	125	0.00	6.50
94		1,2,3-Trichloropropane	0.151	0.150	0.7	115	0.00	6.46
95		Cyclohexanone	0.011	0.010	9.1	111	0.00	6.48
96		4-Chlorotoluene	2.066	2.230	-7.9	121	0.00	6.58
97		tert-Butylbenzene	1.367	1.501	-9.8	119	0.00	6.74
98		1,2,4-Trimethylbenzene	2.141	2.366	-10.5	118	0.00	6.80
			True	Calc.	% Drift			
99		Pentachloroethane	40.000	38.177	4.6	113	0.00	6.74
			AvgRF	CCRF	% Dev			
100		sec-Butylbenzene	2.904	3.097	-6.6	115	0.00	6.88
101		4-Isopropyltoluene	2.344	2.563	-9.3	116	0.00	7.01
102		1,3-Dichlorobenzene	1.312	1.316	-0.3	114	0.00	7.03
103		1,2,3-Trimethylbenzene	2.157	2.276	-5.5	116	0.00	7.14
104		1,4-Dichlorobenzene	1.303	1.311	-0.6	114	0.00	7.10
			True	Calc.	% Drift			
105		n-Butylbenzene	40.000	40.005	-0.0	116	0.00	7.34
106		Benzyl Chloride	40.000	35.646	10.9	101	0.00	7.29
			AvgRF	CCRF	% Dev			
107		1,2-Dichlorobenzene	1.138	1.140	-0.2	114	0.00	7.42
108		1,2-Dibromo-3-Chloropropa	0.068	0.070	-2.9	121	0.00	8.00
109		Hexachlorobutadiene	0.305	0.312	-2.3	115	0.00	8.51
110		1,2,4-Trichlorobenzene	0.542	0.539	0.6	106	0.00	8.50
			True	Calc.	% Drift			

Continuing Calibration Summary

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1A3062-ECC3047
Lab FileID: 1A59621.D

111	Naphthalene	40.000	37.265	6.8	105	0.00	8.71
		AvgRF	CCRF	% Dev			
112	1,2,3-Trichlorobenzene	0.422	0.416	1.4	106	0.00	8.83

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1A59239.D V1A3047_09182024.M Wed Oct 02 01:34:08 2024

Initial Calibration Summary

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1O4046-ICC4046
Lab FileID: 1O86795.D

Response Factor Report MSVOA12-O

Method : C:\msdchem\1\met...O4046_08152024.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Aug 15 12:51:02 2024
Response via : Initial Calibration

Calibration Files
1 =1O86790.D 2 =1O86792.D 3 =1O86793.D 4 =1O86794.D
5 =1O86795.D 6 =1O86796.D 7 =1O86797.D 8 =1O86791.D

Compound	1	2	3	4	5	6	7	8	Avg	%RSD
1) I Fluorobenzene	ISTD									
2) Dichlorodifl	0.282	0.289	0.236	0.281	0.279	0.290	0.280	0.273	0.276	6.24
3) Chloromethan	0.191	0.193	0.163	0.183	0.181	0.182	0.187	0.209	0.186	7.01
4) 1,3-butadien	0.156	0.178	0.137	0.162	0.158	0.152	0.159	0.161	0.158	7.26
5) Vinyl Chlori	0.239	0.231	0.192	0.222	0.222	0.223	0.226	0.239	0.224	6.60
6) Bromomethane	0.120	0.123	0.105	0.121	0.126	0.129	0.131	0.131	0.123	6.90
7) Chloroethane	0.074	0.065	0.060	0.066	0.067	0.056	0.050	0.070	0.064	12.09
8) Trichloroflu	0.286	0.272	0.234	0.271	0.267	0.258	0.230	0.270	0.261	7.50
9) Ethyl Ether	0.139	0.168	0.130	0.155	0.149	0.149	0.151	0.147	0.149	7.56
10) Ethanol		0.003	0.003	0.003	0.003	0.003	0.003	0.002	0.003	11.43
11) 1,2-Dichloro	0.210	0.254	0.192	0.238	0.228	0.225	0.231	0.241	0.227	8.45
12) 1,1-Dichloro	0.236	0.272	0.209	0.258	0.253	0.252	0.261	0.277	0.252	8.52
13) Freon 113	0.140	0.189	0.143	0.183	0.176	0.178	0.175	0.169	0.169	10.60
14) Carbon Disul	0.604	0.584	0.449	0.572	0.570	0.579	0.594	0.569	0.565	8.54
15) Iodomethane		0.186	0.162	0.213	0.221	0.226	0.234		0.207	13.26
16) Acrolein	0.045	0.052	0.041	0.049	0.050	0.050	0.051	0.046	0.048	7.44
17) Allyl chlori	0.197	0.212	0.168	0.204	0.205	0.198	0.200	0.221	0.201	7.61
18) Methylene Ch		0.230	0.170	0.194	0.187	0.183	0.185		0.191	10.75
19) Acetone		0.104	0.079	0.090	0.088	0.081	0.082	0.099	0.089	10.67
20) Methyl aceta	0.204	0.222	0.172	0.210	0.204	0.198	0.195	0.198	0.200	7.04
21) trans-1,2-Di	0.267	0.281	0.213	0.259	0.254	0.252	0.260	0.277	0.258	8.02
22) Hexane	0.112	0.140	0.101	0.125	0.121	0.124	0.118	0.137	0.122	10.38
23) Methyl Tert	0.580	0.669	0.517	0.627	0.615	0.620	0.632	0.592	0.606	7.44
24) Tert Butyl A	0.050	0.056	0.047	0.060	0.057	0.057	0.060	0.049	0.054	9.26
25) Acetonitrile		0.035	0.027	0.030	0.029	0.026	0.024	0.034	0.029	14.03
26) Di-isopropyl	0.447	0.523	0.402	0.493	0.481	0.480	0.492	0.461	0.472	7.70
27) Chloroprene	0.189	0.224	0.177	0.226	0.209	0.214	0.220	0.211	0.209	8.28
28) 1,1-Dichloro	0.327	0.370	0.281	0.343	0.332	0.332	0.335	0.363	0.335	8.08
29) Acrylonitril	0.091	0.099	0.077	0.087	0.086	0.086	0.086	0.085	0.087	7.13
30) ETBE	0.481	0.575	0.456	0.550	0.538	0.535	0.548	0.513	0.525	7.48
31) Vinyl acetat	0.337	0.382	0.291	0.341	0.355	0.354	0.356	0.320	0.342	8.01
32) cis-1,2-Dich	0.215	0.230	0.175	0.206	0.201	0.200	0.200	0.226	0.207	8.40
33) 2,2-Dichloro	0.237	0.275	0.212	0.267	0.275	0.279	0.289	0.271	0.263	9.64
---- Linear regr., Force(0,0) ---- Coefficient = 0.9970										
Response Ratio = 0.00000 + 0.27794 *A										
34) Bromochlorom	0.091	0.103	0.082	0.098	0.095	0.093	0.095	0.096	0.094	6.31
35) Cyclohexane	0.203	0.286	0.213	0.268	0.264	0.269	0.264	0.252	0.252	11.49
36) Chloroform	0.375	0.412	0.323	0.388	0.378	0.375	0.390	0.408	0.381	7.17
37) Ethyl acetat	0.287	0.304	0.236	0.272	0.270	0.269	0.273	0.263	0.272	7.21
38) Tetrahydrofu	0.126	0.120	0.093	0.105	0.097	0.102	0.099	0.102	0.106	11.02
39) Dibromofluor	0.236	0.240	0.241	0.246	0.249	0.249	0.248	0.234	0.243	2.48
40) Carbon Tetra	0.183	0.190	0.147	0.192	0.198	0.204	0.216	0.181	0.189	10.88
41) 1,1,1-Trichl	0.258	0.312	0.235	0.299	0.292	0.294	0.302	0.294	0.286	9.09
42) 2-Butanone	0.177	0.170	0.133	0.156	0.155	0.145	0.153	0.157	0.156	8.79
43) 1,1-Dichloro	0.251	0.276	0.212	0.258	0.251	0.251	0.254	0.267	0.252	7.40

Initial Calibration Summary

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1O4046-ICC4046
Lab FileID: 1O86795.D

```
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9985
              Response Ratio = 0.00000 + 0.25192 *A

44) tert-Butyl f 0.085 0.098 0.082 0.098 0.107 0.112 0.116 0.084 0.098  13.54
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9952
              Response Ratio = 0.00000 + 0.10977 *A

45) Propionitril 0.052 0.052 0.042 0.047 0.046 0.043 0.045 0.044 0.047   7.98
46) Methacryloni 0.156 0.163 0.133 0.152 0.148 0.139 0.143 0.149 0.148   6.48
47) Benzene      0.859 0.950 0.722 0.852 0.821 0.805 0.818 0.933 0.845   8.61
48) TAME         0.244 0.272 0.219 0.277 0.289 0.309 0.330 0.229 0.271  14.25
49) Isobutyl alc 0.016 0.014 0.012 0.014 0.015 0.014 0.015 0.012 0.014  10.61
50) 1,2-Dichloro 0.293 0.297 0.296 0.305 0.311 0.321 0.329 0.298 0.306   4.31
51) 1,2-Dichloro 0.269 0.292 0.226 0.264 0.257 0.251 0.253 0.257 0.259   7.17
52) Tert Amyl Al 0.034 0.038 0.031 0.039 0.041 0.040 0.043 0.034 0.038  10.60
53) Trichloroeth 0.244 0.233 0.176 0.213 0.208 0.204 0.210 0.234 0.215   9.93
54) Methylcycloh 0.240 0.324 0.241 0.309 0.305 0.310 0.307 0.289 0.291  11.14
55) Dibromometha 0.135 0.147 0.114 0.136 0.132 0.131 0.133 0.125 0.131   7.22
56) 1,2-Dichloro 0.183 0.209 0.164 0.193 0.192 0.189 0.192 0.200 0.190   6.97
57) Bromodichlor 0.213 0.235 0.189 0.249 0.251 0.259 0.272 0.216 0.235  11.70
58) Methyl metha 0.167 0.177 0.143 0.172 0.169 0.167 0.180 0.153 0.166   7.43
59) 1,4-Dioxane  0.004 0.004 0.004 0.004 0.004 0.004 0.004 0.004 0.004   8.09
60) 2-Chloroethy 0.136 0.165 0.138 0.160 0.161 0.161 0.164 0.140 0.153   8.20
61) cis-1,3-Dich 0.258 0.297 0.241 0.313 0.317 0.321 0.336 0.255 0.292  12.27

62) I   Chlorobenzene-d5      ----------------ISTD--------------------
63) Toluene-d8   1.508 1.496 1.505 1.515 1.529 1.520 1.558 1.495 1.516   1.36
64) Toluene      1.353 1.465 1.103 1.331 1.288 1.274 1.324 1.466 1.326   8.73
65) 2-Nitropropa 0.038 0.036 0.029 0.042 0.049 0.056 0.066 0.034 0.044  28.51
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9989
              Response Ratio = 0.00000 + 0.03323 *A + 0.00330 *A^2

66) 4-Methyl-2-p 0.398 0.449 0.346 0.421 0.416 0.397 0.426 0.388 0.405   7.53
67) trans-1,3-Di 0.361 0.446 0.365 0.471 0.482 0.486 0.512 0.376 0.437  13.96
68) Tetrachloroe 0.263 0.291 0.214 0.269 0.258 0.252 0.261 0.279 0.261   8.71
69) Ethyl methac       0.424 0.350 0.445 0.448 0.439 0.484       0.432  10.35
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9960
              Response Ratio = 0.00000 + 0.45520 *A

70) 1,1,2-Trichl 0.274 0.291 0.220 0.267 0.262 0.257 0.263 0.256 0.261   7.77
71) Dibromochlor 0.180 0.225 0.173 0.240 0.248 0.265 0.285 0.173 0.224  19.63
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9983
              Response Ratio = 0.00000 + 0.20863 *A + 0.03953 *A^2

72) 1,3-Dichloro 0.529 0.584 0.446 0.541 0.528 0.524 0.538 0.531 0.528   7.20
73) 1,2-Dibromoe 0.281 0.314 0.252 0.309 0.301 0.303 0.316 0.286 0.295   7.20
74) 3,3-dimethyl 0.050 0.058 0.051 0.066 0.071 0.072 0.077 0.048 0.062  18.22
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9985
              Response Ratio = 0.00000 + 0.05941 *A + 0.00018 *A^2

75) 2-hexanone   0.394 0.454 0.361 0.441 0.440 0.419 0.447 0.393 0.419   7.87
76) 1-Chlorohexa 0.449 0.418 0.317 0.393 0.378 0.379 0.378 0.431 0.393  10.37
77) Ethylbenzene 1.455 1.573 1.185 1.455 1.418 1.391 1.437 1.533 1.431   8.09
78) Chlorobenzen 0.813 0.875 0.667 0.804 0.774 0.762 0.784 0.891 0.796   8.75
79) 1,1,1,2-Tetr 0.176 0.224 0.170 0.230 0.229 0.236 0.246 0.187 0.212  13.96
80) m,p-Xylene   1.052 1.180 0.916 1.129 1.105 1.082 1.115 1.166 1.093   7.57
81) o-Xylene     1.001 1.166 0.906 1.131 1.112 1.099 1.142 1.104 1.083   7.97
82) Styrene      0.658 0.816 0.657 0.848 0.837 0.839 0.872 0.700 0.778  11.66
83) Bromoform    0.085 0.108 0.083 0.122 0.133 0.145 0.162 0.088 0.116  25.67
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9983
```

Initial Calibration Summary

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1O4046-ICC4046
Lab FileID: 1O86795.D

```
               Response Ratio = 0.00000 + 0.10195 *A + 0.03061 *A^2

 84) Isopropylben 1.118 1.258 0.975 1.227 1.201 1.194 1.216 1.226 1.177   7.73

 85) I   1,4-Dichlorobenzene-d ----------------ISTD--------------------
 86) 4-Bromofluor 0.745 0.742 0.750 0.750 0.737 0.752 0.761 0.731 0.746   1.26
 87) cis-1,4-Dich       0.231 0.197 0.241 0.237 0.249 0.277       0.239  11.00
 88) n-Propylbenz 2.989 3.380 2.614 3.252 3.111 3.102 3.205 3.312 3.121   7.69
 89) Bromobenzene 0.633 0.673 0.516 0.632 0.596 0.600 0.615 0.642 0.613   7.57
 90) 1,1,2,2-Tetr 1.027 1.130 0.877 1.074 1.033 1.044 1.089 0.963 1.030   7.65
 91) 1,3,5-Trimet 1.847 2.218 1.720 2.189 2.085 2.090 2.163 2.063 2.047   8.53
 92) 2-Chlorotolu 2.160 2.437 1.898 2.263 2.163 2.172 2.238 2.315 2.206   7.05
 93) trans-1,4-Di       0.218 0.163 0.213 0.208 0.222 0.238       0.210  11.95
 94) 1,2,3-Trichl 0.333 0.360 0.276 0.332 0.317 0.319 0.334 0.329 0.325   7.30
 95) Cyclohexanon 0.047 0.046 0.038 0.044 0.043 0.042 0.044 0.039 0.043   7.31
 96) 4-Chlorotolu 1.963 2.270 1.770 2.151 2.054 2.034 2.111 2.151 2.063   7.28
 97) tert-Butylbe 1.100 1.284 0.996 1.245 1.206 1.202 1.247 1.283 1.195   8.36
 98) a-Methyl sty                                                 0.000  -1.00
 99) 1,2,4-Trimet 1.722 2.119 1.692 2.172 2.074 2.096 2.172 1.992 2.005   9.61
100) Pentachloroe 0.160 0.210 0.176 0.237 0.244 0.251 0.281 0.185 0.218  19.33
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9984
               Response Ratio = 0.00000 + 0.20365 *A + 0.03819 *A^2

101) sec-Butylben 2.126 2.498 1.888 2.437 2.345 2.339 2.430 2.385 2.306   8.76
102) 4-Isopropylt 1.558 1.950 1.513 1.965 1.924 1.931 2.010 1.776 1.828  10.56
103) 1,3-Dichloro 1.156 1.208 0.928 1.133 1.076 1.071 1.097 1.172 1.105   7.80
104) 1,2,3-Trimet 2.109 2.359 1.873 2.275 2.191 2.184 2.256 2.244 2.187   6.69
105) 1,4-Dichloro 1.137 1.274 0.959 1.154 1.091 1.096 1.120 1.201 1.129   8.07
106) n-Butylbenze 1.059 1.084 0.829 1.126 1.108 1.105 1.166 1.033 1.064   9.68
             ---- Linear regr., Force(0,0) ----  Coefficient =  0.9965
               Response Ratio = 0.00000 + 1.11936 *A

107) Benzyl Chlor 0.141 0.167 0.153 0.238 0.248 0.280 0.313 0.143 0.210  32.19
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9980
               Response Ratio = 0.00000 + 0.18572 *A + 0.06539 *A^2

108) 1,2-Dichloro 1.043 1.172 0.889 1.079 1.015 1.022 1.047 1.085 1.044   7.64
109) 1,2-Dibromo-      0.229 0.174 0.237 0.244 0.260 0.279       0.237  15.09
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9981
               Response Ratio = 0.00000 + 0.21008 *A + 0.03535 *A^2

110) Hexachlorobu      0.189 0.133 0.177 0.170 0.173 0.188 0.208 0.177  13.16
111) 1,2,4-Trichl 0.509 0.519 0.394 0.509 0.490 0.496 0.523 0.484 0.491   8.46
112) Naphthalene       2.067 1.670 2.240 2.218 2.308 2.402       2.151  12.09
113) 1,2,3-Trichl 0.480 0.492 0.372 0.476 0.442 0.460 0.474 0.427 0.453   8.63
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          V1O4046_08152024.M        Thu Aug 15 13:33:00 2024
```

Initial Calibration Verification

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1O4046-ICV4046
Lab FileID: 1O86799.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\081524\1O86799.D Vial: 11
Acq On : 15 Aug 2024 12:35 pm Operator: jeniferw
Sample : ICV4046-5 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,, Multiplr: 1.00
MS Integration Params: big.p

Method : C:\msdchem\1\met...O4046_08152024.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Aug 15 12:51:02 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	99	0.00	3.98
2	Dichlorodifluoromethane	0.276	0.260	5.8	93	0.00	1.20
3	Chloromethane	0.186	0.170	8.6	93	0.00	1.34
4	1,3-butadiene		----------NA----------				
5	Vinyl Chloride	0.224	0.208	7.1	93	0.00	1.40
6	Bromomethane	0.123	0.138	-12.2	109	0.00	1.64
7	Chloroethane		----------NA----------				
8	Trichlorofluoromethane	0.261	0.260	0.4	97	0.00	1.82
9	Ethyl Ether	0.149	0.149	0.0	99	0.00	2.03
10	Ethanol	0.003	0.003	0.0	92	-0.01	2.12
11	1,2-Dichlorotrifluoroetha	0.227	0.233	-2.6	102	0.00	2.15
12	1,1-Dichloroethene	0.252	0.275	-9.1	108	0.00	2.15
13	Freon 113	0.169	0.184	-8.9	104	0.00	2.17
14	Carbon Disulfide	0.565	0.561	0.7	98	0.00	2.17
15	Iodomethane	0.207	0.218	-5.3	98	0.00	2.23
16	Acrolein	0.048	0.051	-6.2	102	0.00	2.35
17	Allyl chloride	0.201	0.218	-8.5	106	0.00	2.43
18	Methylene Chloride	0.191	0.208	-8.9	111	0.00	2.50
19	Acetone	0.089	0.100	-12.4	113	0.00	2.52
20	Methyl acetate	0.200	0.208	-4.0	101	0.00	2.59
21	trans-1,2-Dichloroethene	0.258	0.276	-7.0	108	0.00	2.59
22	Hexane	0.122	0.122	0.0	101	0.00	2.64
23	Methyl Tert Butyl Ether	0.606	0.637	-5.1	103	0.00	2.65
24	Tert Butyl Alcohol	0.054	0.055	-1.9	97	0.00	2.70
25	Acetonitrile	0.029	0.032	-10.3	113	0.00	2.79
26	Di-isopropyl ether	0.472	0.470	0.4	97	0.00	2.87
27	Chloroprene	0.209	0.249	-19.1	118	0.00	2.93
28	1,1-Dichloroethane	0.335	0.358	-6.9	107	0.00	2.95
29	Acrylonitrile	0.087	0.084	3.4	97	0.00	2.97
30	ETBE	0.525	0.537	-2.3	99	0.00	3.08
31	Vinyl acetate	0.342	0.394	-15.2	110	0.00	3.08
32	cis-1,2-Dichloroethene	0.207	0.224	-8.2	111	0.00	3.25
	----------	Amount	Calc.	%Drift	----------		
33	2,2-Dichloropropane	40.000	46.436	-16.1	117	0.00	3.32
	----------	AvgRF	CCRF	%Dev	----------		
34	Bromochloromethane	0.094	0.095	-1.1	99	0.00	3.37
35	Cyclohexane	0.252	0.266	-5.6	100	0.00	3.37
36	Chloroform	0.381	0.417	-9.4	110	0.00	3.40
37	Ethyl acetate	0.272	0.278	-2.2	102	0.00	3.46
38	Tetrahydrofuran	0.106	0.095	10.4	98	0.00	3.49

Initial Calibration Verification

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1O4046-ICV4046
Lab FileID: 1O86799.D

39	S	Dibromofluoromethane	0.243	0.252	-3.7	101	0.00	3.51
40		Carbon Tetrachloride	0.189	0.225	-19.0	113	0.00	3.49
41		1,1,1-Trichloroethane	0.286	0.330	-15.4	112	0.00	3.53
42		2-Butanone	0.156	0.152	2.6	97	0.00	3.57
			Amount	Calc.	%Drift			
43		1,1-Dichloropropene			NA			
44		tert-Butyl formate	200.000	235.844	-17.9	121	0.00	3.65
			AvgRF	CCRF	%Dev			
45		Propionitrile	0.047	0.050	-6.4	107	0.00	3.74
46		Methacrylonitrile	0.148	0.159	-7.4	107	0.00	3.76
47		Benzene	0.845	0.889	-5.2	108	0.00	3.74
48		TAME	0.271	0.298	-10.0	102	0.00	3.90
49		Isobutyl alcohol	0.014	0.016	-14.3	105	0.00	3.84
50	S	1,2-Dichloroethane-d4	0.306	0.316	-3.3	101	0.00	3.81
51		1,2-Dichloroethane	0.259	0.287	-10.8	111	0.00	3.85
52		Tert Amyl Alcohol	0.038	0.041	-7.9	101	0.00	3.90
53		Trichloroethene	0.215	0.229	-6.5	110	0.00	4.07
54		Methylcyclohexane	0.291	0.324	-11.3	106	0.00	4.08
55		Dibromomethane	0.131	0.144	-9.9	108	0.00	4.32
56		1,2-Dichloropropane	0.190	0.209	-10.0	108	0.00	4.38
57		Bromodichloromethane	0.235	0.272	-15.7	108	0.00	4.42
58		Methyl methacrylate	0.166	0.189	-13.9	111	0.00	4.51
59		1,4-Dioxane	0.004	0.004	0.0	90	0.00	4.54
60		2-Chloroethyl vinyl ether	0.153	0.167	-9.2	103	0.00	4.76
61		cis-1,3-Dichloropropene	0.292	0.340	-16.4	107	0.00	4.81
62	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00	5.97
63	S	Toluene-d8	1.516	1.518	-0.1	100	0.00	4.93
64		Toluene	1.326	1.400	-5.6	109	0.00	4.96
			Amount	Calc.	%Drift			
65		2-Nitropropane	200.000	235.933	-18.0	119	0.00	5.10
			AvgRF	CCRF	%Dev			
66		4-Methyl-2-pentanone	0.405	0.435	-7.4	105	0.00	5.20
67		trans-1,3-Dichloropropene	0.437	0.476	-8.9	99	0.00	5.23
68		Tetrachloroethene	0.261	0.287	-10.0	112	0.00	5.22
			Amount	Calc.	%Drift			
69		Ethyl methacrylate	40.000	45.857	-14.6	117	0.00	5.32
			AvgRF	CCRF	%Dev			
70		1,1,2-Trichloroethane	0.261	0.282	-8.0	108	0.00	5.33
			Amount	Calc.	%Drift			
71		Dibromochloromethane	40.000	45.813	-14.5	114	0.00	5.46
			AvgRF	CCRF	%Dev			
72		1,3-Dichloropropane	0.528	0.585	-10.8	111	0.00	5.52
73		1,2-Dibromoethane	0.295	0.333	-12.9	111	0.00	5.62
			Amount	Calc.	%Drift			
74		3,3-dimethyl-1-butanol	2000.000	2171.724	-8.6	104	0.00	5.74
			AvgRF	CCRF	%Dev			
75		2-hexanone	0.419	0.455	-8.6	104	0.00	5.76
76		1-Chlorohexane	0.393	0.397	-1.0	105	0.00	5.96
77		Ethylbenzene	1.431	1.533	-7.1	109	0.00	6.00

Initial Calibration Verification

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1O4046-ICV4046
Lab FileID: 1O86799.D

78		Chlorobenzene	0.796	0.836	-5.0	108	0.00	5.98
79		1,1,1,2-Tetrachloroethane	0.212	0.253	-19.3	111	0.00	6.02
80		m,p-Xylene	1.093	1.190	-8.9	108	0.00	6.10
81		o-Xylene	1.083	1.188	-9.7	107	0.00	6.42
82		Styrene	0.778	0.904	-16.2	108	0.00	6.45
		----------	Amount	Calc.	%Drift			
83		Bromoform	40.000	44.178	-10.4	108	0.00	6.47
		----------	AvgRF	CCRF	%Dev			
84		Isopropylbenzene	1.177	1.328	-12.8	111	0.00	6.65
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	0.00	7.71
86	S	4-Bromofluorobenzene	0.746	0.732	1.9	100	0.00	6.86
87		cis-1,4-Dichloro-2-butene	0.239	0.269	-12.6	114	0.00	6.90
88		n-Propylbenzene	3.121	3.430	-9.9	111	0.00	6.96
89		Bromobenzene	0.613	0.639	-4.2	108	0.00	6.94
90		1,1,2,2-Tetrachloroethane	1.030	1.113	-8.1	109	0.00	7.01
91		1,3,5-Trimethylbenzene	2.047	2.346	-14.6	114	0.00	7.11
92		2-Chlorotoluene	2.206	2.347	-6.4	109	0.00	7.08
93		trans-1,4-Dichloro-2-Bute	0.210	0.225	-7.1	109	0.00	7.15
94		1,2,3-Trichloropropane	0.325	0.344	-5.8	110	0.00	7.12
95		Cyclohexanone	0.043	0.073	-69.8#	172	0.00	7.15
96		4-Chlorotoluene	2.063	2.225	-7.9	109	0.00	7.21
97		tert-Butylbenzene	1.195	1.349	-12.9	113	0.00	7.36
98		a-Methyl styrene		----------NA----------				
99		1,2,4-Trimethylbenzene	2.005	2.369	-18.2	115	0.00	7.41
		----------	Amount	Calc.	%Drift			
100		Pentachloroethane	40.000	46.527	-16.3	115	0.00	7.38
		----------	AvgRF	CCRF	%Dev			
101		sec-Butylbenzene	2.306	2.539	-10.1	109	0.00	7.49
102		4-Isopropyltoluene	1.828	2.181	-19.3	114	0.00	7.60
103		1,3-Dichlorobenzene	1.105	1.153	-4.3	108	0.00	7.66
104		1,2,3-Trimethylbenzene	2.187	2.434	-11.3	112	0.00	7.74
105		1,4-Dichlorobenzene	1.129	1.186	-5.0	110	0.00	7.73
		----------	Amount	Calc.	%Drift			
106		n-Butylbenzene	40.000	46.333	-15.8	118	0.00	7.92
107		Benzyl Chloride	40.000	45.256	-13.1	113	0.00	7.91
		----------	AvgRF	CCRF	%Dev			
108		1,2-Dichlorobenzene	1.044	1.096	-5.0	109	0.00	8.04
		----------	Amount	Calc.	%Drift			
109		1,2-Dibromo-3-Chloropropa	40.000	44.238	-10.6	110	0.00	8.60
		----------	AvgRF	CCRF	%Dev			
110		Hexachlorobutadiene	0.177	0.209	-18.1	124	0.00	9.06
111		1,2,4-Trichlorobenzene	0.491	0.551	-12.2	113	0.00	9.08
112		Naphthalene	2.151	2.434	-13.2	111	0.00	9.30
113		1,2,3-Trichlorobenzene	0.453	0.499	-10.2	114	0.00	9.42

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

1O86795.D V1O4046_08152024.M Thu Aug 15 13:33:36 2024

Initial Calibration Verification

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1O4046-ICV4046
Lab FileID: 1O86800.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\081524\1O86800.D Vial: 12
Acq On : 15 Aug 2024 1:10 pm Operator: jeniferw
Sample : ICV4046-4 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,, Multiplr: 1.00
MS Integration Params: big.p

Method : C:\msdchem\1\met...O4046_08152024.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Aug 15 12:51:02 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00	3.98
2	Dichlorodifluoromethane		----------	NA	----------		
3	Chloromethane		----------	NA	----------		
4	1,3-butadiene	0.158	0.245	-55.1#	151	0.00	1.42
5	Vinyl Chloride		----------	NA	----------		
6	Bromomethane		----------	NA	----------		
7	Chloroethane	0.064	0.071	-10.9	107	0.00	1.71
8	Trichlorofluoromethane		----------	NA	----------		
9	Ethyl Ether		----------	NA	----------		
10	Ethanol		----------	NA	----------		
11	1,2-Dichlorotrifluoroetha		----------	NA	----------		
12	1,1-Dichloroethene		----------	NA	----------		
13	Freon 113		----------	NA	----------		
14	Carbon Disulfide		----------	NA	----------		
15	Iodomethane		----------	NA	----------		
16	Acrolein		----------	NA	----------		
17	Allyl chloride		----------	NA	----------		
18	Methylene Chloride		----------	NA	----------		
19	Acetone		----------	NA	----------		
20	Methyl acetate		----------	NA	----------		
21	trans-1,2-Dichloroethene		----------	NA	----------		
22	Hexane		----------	NA	----------		
23	Methyl Tert Butyl Ether		----------	NA	----------		
24	Tert Butyl Alcohol		----------	NA	----------		
25	Acetonitrile		----------	NA	----------		
26	Di-isopropyl ether		----------	NA	----------		
27	Chloroprene		----------	NA	----------		
28	1,1-Dichloroethane		----------	NA	----------		
29	Acrylonitrile		----------	NA	----------		
30	ETBE		----------	NA	----------		
31	Vinyl acetate		----------	NA	----------		
32	cis-1,2-Dichloroethene		----------	NA	----------		
	----------	Amount	Calc.	%Drift	----------		
33	2,2-Dichloropropane		----------	NA	----------		
	----------	AvgRF	CCRF	%Dev	----------		
34	Bromochloromethane		----------	NA	----------		
35	Cyclohexane		----------	NA	----------		
36	Chloroform		----------	NA	----------		
37	Ethyl acetate		----------	NA	----------		
38	Tetrahydrofuran		----------	NA	----------		

Initial Calibration Verification

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1O4046-ICV4046
Lab FileID: 1O86800.D

39	S	Dibromofluoromethane	0.243	0.247	-1.6	101	0.00	3.51
40		Carbon Tetrachloride		----------NA----------				
41		1,1,1-Trichloroethane		----------NA----------				
42		2-Butanone		----------NA----------				
		----------	Amount	Calc.	%Drift	----------		
43		1,1-Dichloropropene	25.000	25.868	-3.5	101	0.00	3.60
44		tert-Butyl formate		----------NA----------				
		----------	AvgRF	CCRF	%Dev	----------		
45		Propionitrile		----------NA----------				
46		Methacrylonitrile		----------NA----------				
47		Benzene		----------NA----------				
48		TAME		----------NA----------				
49		Isobutyl alcohol		----------NA----------				
50	S	1,2-Dichloroethane-d4	0.306	0.310	-1.3	102	0.00	3.81
51		1,2-Dichloroethane		----------NA----------				
52		Tert Amyl Alcohol		----------NA----------				
53		Trichloroethene		----------NA----------				
54		Methylcyclohexane		----------NA----------				
55		Dibromomethane		----------NA----------				
56		1,2-Dichloropropane		----------NA----------				
57		Bromodichloromethane		----------NA----------				
58		Methyl methacrylate		----------NA----------				
59		1,4-Dioxane		----------NA----------				
60		2-Chloroethyl vinyl ether		----------NA----------				
61		cis-1,3-Dichloropropene		----------NA----------				
62	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00	5.97
63	S	Toluene-d8	1.516	1.523	-0.5	101	0.00	4.93
64		Toluene		----------NA----------				
		----------	Amount	Calc.	%Drift	----------		
65		2-Nitropropane		----------NA----------				
		----------	AvgRF	CCRF	%Dev	----------		
66		4-Methyl-2-pentanone		----------NA----------				
67		trans-1,3-Dichloropropene		----------NA----------				
68		Tetrachloroethene		----------NA----------				
		----------	Amount	Calc.	%Drift	----------		
69		Ethyl methacrylate		----------NA----------				
		----------	AvgRF	CCRF	%Dev	----------		
70		1,1,2-Trichloroethane		----------NA----------				
		----------	Amount	Calc.	%Drift	----------		
71		Dibromochloromethane		----------NA----------				
		----------	AvgRF	CCRF	%Dev	----------		
72		1,3-Dichloropropane		----------NA----------				
73		1,2-Dibromoethane		----------NA----------				
		----------	Amount	Calc.	%Drift	----------		
74		3,3-dimethyl-1-butanol		----------NA----------				
		----------	AvgRF	CCRF	%Dev	----------		
75		2-hexanone		----------NA----------				
76		1-Chlorohexane		----------NA----------				
77		Ethylbenzene		----------NA----------				

Initial Calibration Verification

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1O4046-ICV4046
Lab FileID: 1O86800.D

78		Chlorobenzene		----------NA----------				
79		1,1,1,2-Tetrachloroethane		----------NA----------				
80		m,p-Xylene		----------NA----------				
81		o-Xylene		----------NA----------				
82		Styrene		----------NA----------				
		----------	Amount	Calc.	%Drift	----------		
83		Bromoform		----------NA----------				
		----------	AvgRF	CCRF	%Dev	----------		
84		Isopropylbenzene		----------NA----------				
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	0.00	7.71
86	S	4-Bromofluorobenzene	0.746	0.740	0.8	100	0.00	6.86
87		cis-1,4-Dichloro-2-butene		----------NA----------				
88		n-Propylbenzene		----------NA----------				
89		Bromobenzene		----------NA----------				
90		1,1,2,2-Tetrachloroethane		----------NA----------				
91		1,3,5-Trimethylbenzene		----------NA----------				
92		2-Chlorotoluene		----------NA----------				
93		trans-1,4-Dichloro-2-Bute		----------NA----------				
94		1,2,3-Trichloropropane		----------NA----------				
95		Cyclohexanone		----------NA----------				
96		4-Chlorotoluene		----------NA----------				
97		tert-Butylbenzene		----------NA----------				
98		a-Methyl styrene		----------NA----------				
99		1,2,4-Trimethylbenzene		----------NA----------				
		----------	Amount	Calc.	%Drift	----------		
100		Pentachloroethane		----------NA----------				
		----------	AvgRF	CCRF	%Dev	----------		
101		sec-Butylbenzene		----------NA----------				
102		4-Isopropyltoluene		----------NA----------				
103		1,3-Dichlorobenzene		----------NA----------				
104		1,2,3-Trimethylbenzene		----------NA----------				
105		1,4-Dichlorobenzene		----------NA----------				
		----------	Amount	Calc.	%Drift	----------		
106		n-Butylbenzene		----------NA----------				
107		Benzyl Chloride		----------NA----------				
		----------	AvgRF	CCRF	%Dev	----------		
108		1,2-Dichlorobenzene		----------NA----------				
		----------	Amount	Calc.	%Drift	----------		
109		1,2-Dibromo-3-Chloropropa		----------NA----------				
		----------	AvgRF	CCRF	%Dev	----------		
110		Hexachlorobutadiene		----------NA----------				
111		1,2,4-Trichlorobenzene		----------NA----------				
112		Naphthalene		----------NA----------				
113		1,2,3-Trichlorobenzene		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1O86794.D V1O4046_08152024.M Thu Aug 15 13:34:00 2024

6.7.10

6

Continuing Calibration Summary

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1O4089-CC4046
Lab FileID: 1O87882.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\093024\1O87882.D Vial: 2
Acq On : 30 Sep 2024 6:22 am Operator: jeniferw
Sample : CC4046-5 Inst : MSVOA12-O
Misc : MS57595,V1O4089,,,,, Multiplr: 1.00
MS Integration Params: big.p

Method : C:\msdchem\1\met...O4046_08152024.M (RTE Integrator)
Title : SW-846 Method 5030/8260D & EPA 624.1
Last Update : Thu Aug 15 12:51:02 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	93	0.00	3.97
2	Dichlorodifluoromethane	0.276	0.325	-17.8	108	0.00	1.20
3	Chloromethane	0.186	0.191	-2.7	98	0.00	1.34
4	1,3-butadiene	0.158	0.141	10.8	83	0.00	1.42
5	Vinyl Chloride	0.224	0.253	-12.9	106	0.00	1.40
6	Bromomethane	0.123	0.101	17.9	75	-0.01	1.63
7	Chloroethane	0.064	0.056	12.5	78	0.00	1.71
8	Trichlorofluoromethane	0.261	0.333	-27.6#	116	0.00	1.81
9	Ethyl Ether	0.149	0.161	-8.1	100	0.00	2.03
10	Ethanol	0.003	0.003	0.0	109	0.00	2.12
11	1,2-Dichlorotrifluoroetha	0.227	0.257	-13.2	105	-0.01	2.14
12	1,1-Dichloroethene	0.252	0.288	-14.3	106	0.00	2.14
13	Freon 113	0.169	0.202	-19.5	107	0.00	2.17
14	Carbon Disulfide	0.565	0.637	-12.7	104	0.00	2.16
15	Iodomethane	0.207	0.121	41.5#	51	0.00	2.23
16	Acrolein	0.048	0.050	-4.2	94	0.00	2.35
17	Allyl chloride	0.201	0.209	-4.0	95	-0.01	2.43
18	Methylene Chloride	0.191	0.215	-12.6	108	0.00	2.50
19	Acetone	0.089	0.090	-1.1	95	0.00	2.52
20	Methyl acetate	0.200	0.216	-8.0	99	0.00	2.59
21	trans-1,2-Dichloroethene	0.258	0.286	-10.9	105	-0.01	2.59
22	Hexane	0.122	0.139	-13.9	108	0.00	2.64
23	Methyl Tert Butyl Ether	0.606	0.644	-6.3	98	0.00	2.65
24	Tert Butyl Alcohol	0.054	0.052	3.7	85	0.00	2.70
25	Acetonitrile	0.029	0.034	-17.2	111	0.00	2.79
26	Di-isopropyl ether	0.472	0.502	-6.4	97	0.00	2.87
27	Chloroprene	0.209	0.223	-6.7	100	0.00	2.93
28	1,1-Dichloroethane	0.335	0.371	-10.7	104	0.00	2.95
29	Acrylonitrile	0.087	0.095	-9.2	102	0.00	2.96
30	ETBE	0.525	0.558	-6.3	97	0.00	3.07
31	Vinyl acetate	0.342	0.401	-17.3	105	0.00	3.08
32	cis-1,2-Dichloroethene	0.207	0.236	-14.0	109	0.00	3.25
	----------	Amount	Calc.	%Drift	----------		
33	2,2-Dichloropropane	40.000	41.807	-4.5	99	0.00	3.31
	----------	AvgRF	CCRF	%Dev	----------		
34	Bromochloromethane	0.094	0.099	-5.3	97	0.00	3.36
35	Cyclohexane	0.252	0.277	-9.9	98	-0.01	3.37
36	Chloroform	0.381	0.437	-14.7	108	0.00	3.40
37	Ethyl acetate	0.272	0.294	-8.1	101	0.00	3.46
38	Tetrahydrofuran	0.106	0.099	6.6	96	0.00	3.49

Continuing Calibration Summary

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1O4089-CC4046
Lab FileID: 1O87882.D

39	S	Dibromofluoromethane	0.243	0.261	-7.4	98	0.00	3.50
40		Carbon Tetrachloride	0.189	0.256	-35.4#	121	0.00	3.49
41		1,1,1-Trichloroethane	0.286	0.341	-19.2	109	0.00	3.53
42		2-Butanone	0.156	0.160	-2.6	97	0.00	3.57
			Amount	Calc.	%Drift			
43		1,1-Dichloropropene	40.000	45.317	-13.3	106	0.00	3.59
44		tert-Butyl formate	200.000	177.782	11.1	85	0.00	3.65
			AvgRF	CCRF	%Dev			
45		Propionitrile	0.047	0.049	-4.3	99	0.00	3.74
46		Methacrylonitrile	0.148	0.159	-7.4	100	0.00	3.75
47		Benzene	0.845	0.919	-8.8	104	0.00	3.73
48		TAME	0.271	0.287	-5.9	93	0.00	3.90
49		Isobutyl alcohol	0.014	0.017	-21.4#	105	0.00	3.84
50	S	1,2-Dichloroethane-d4	0.306	0.310	-1.3	93	0.00	3.81
51		1,2-Dichloroethane	0.259	0.301	-16.2	109	0.00	3.85
52		Tert Amyl Alcohol	0.038	0.039	-2.6	91	0.00	3.90
53		Trichloroethene	0.215	0.238	-10.7	107	0.00	4.07
54		Methylcyclohexane	0.291	0.336	-15.5	103	0.00	4.07
55		Dibromomethane	0.131	0.153	-16.8	108	0.00	4.32
56		1,2-Dichloropropane	0.190	0.208	-9.5	101	0.00	4.38
57		Bromodichloromethane	0.235	0.305	-29.8#	113	0.00	4.42
58		Methyl methacrylate	0.166	0.180	-8.4	99	0.00	4.50
59		1,4-Dioxane	0.004	0.004	0.0	103	0.00	4.54
60		2-Chloroethyl vinyl ether	0.153	0.157	-2.6	91	0.00	4.76
61		cis-1,3-Dichloropropene	0.292	0.352	-20.5#	104	0.00	4.81
62	I	Chlorobenzene-d5	1.000	1.000	0.0	99	0.00	5.96
63	S	Toluene-d8	1.516	1.462	3.6	95	0.00	4.93
64		Toluene	1.326	1.389	-4.8	107	0.00	4.96
			Amount	Calc.	%Drift			
65		2-Nitropropane	200.000	322.985	-61.5#	179	0.00	5.10
			AvgRF	CCRF	%Dev			
66		4-Methyl-2-pentanone	0.405	0.430	-6.2	102	0.00	5.19
67		trans-1,3-Dichloropropene	0.437	0.514	-17.6	105	0.00	5.22
68		Tetrachloroethene	0.261	0.286	-9.6	110	0.00	5.21
			Amount	Calc.	%Drift			
69		Ethyl methacrylate	40.000	39.775	0.6	100	0.00	5.32
			AvgRF	CCRF	%Dev			
70		1,1,2-Trichloroethane	0.261	0.278	-6.5	105	0.00	5.33
			Amount	Calc.	%Drift			
71		Dibromochloromethane	40.000	49.404	-23.5#	122	0.00	5.45
			AvgRF	CCRF	%Dev			
72		1,3-Dichloropropane	0.528	0.556	-5.3	104	0.00	5.51
73		1,2-Dibromoethane	0.295	0.326	-10.5	107	0.00	5.62
			Amount	Calc.	%Drift			
74		3,3-dimethyl-1-butanol	2000.000	2135.330	-6.8	100	0.00	5.73
			AvgRF	CCRF	%Dev			
75		2-hexanone	0.419	0.455	-8.6	102	0.00	5.75
76		1-Chlorohexane	0.393	0.401	-2.0	105	0.00	5.96
77		Ethylbenzene	1.431	1.555	-8.7	108	0.00	5.99

Continuing Calibration Summary

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1O4089-CC4046
Lab FileID: 1O87882.D

78		Chlorobenzene	0.796	0.858	-7.8	110	0.00	5.98
79		1,1,1,2-Tetrachloroethane	0.212	0.266	-25.5#	115	0.00	6.02
80		m,p-Xylene	1.093	1.216	-11.3	109	0.00	6.10
81		o-Xylene	1.083	1.210	-11.7	108	0.00	6.41
82		Styrene	0.778	0.911	-17.1	108	0.00	6.45
		----------	Amount	Calc.	%Drift		----------	
83		Bromoform	40.000	51.572	-28.9#	128	0.00	6.46
		----------	AvgRF	CCRF	%Dev		----------	
84		Isopropylbenzene	1.177	1.342	-14.0	111	0.00	6.64
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	104	0.00	7.71
86	S	4-Bromofluorobenzene	0.746	0.707	5.2	100	0.00	6.85
87		cis-1,4-Dichloro-2-butene	0.239	0.256	-7.1	112	0.00	6.90
88		n-Propylbenzene	3.121	3.313	-6.2	111	0.00	6.95
89		Bromobenzene	0.613	0.634	-3.4	111	0.00	6.93
90		1,1,2,2-Tetrachloroethane	1.030	1.062	-3.1	107	0.00	7.00
91		1,3,5-Trimethylbenzene	2.047	2.274	-11.1	114	0.00	7.10
92		2-Chlorotoluene	2.206	2.308	-4.6	111	0.00	7.07
93		trans-1,4-Dichloro-2-Bute	0.210	0.220	-4.8	111	-0.01	7.13
94		1,2,3-Trichloropropane	0.325	0.337	-3.7	111	-0.01	7.10
95		Cyclohexanone	0.043	0.042	2.3	102	0.00	7.14
96		4-Chlorotoluene	2.063	2.183	-5.8	111	0.00	7.20
97		tert-Butylbenzene	1.195	1.323	-10.7	115	0.00	7.35
98		a-Methyl styrene		----------	NA	----------		
99		1,2,4-Trimethylbenzene	2.005	2.267	-13.1	114	0.00	7.41
		----------	Amount	Calc.	%Drift		----------	
100		Pentachloroethane	40.000	48.613	-21.5#	125	-0.01	7.37
		----------	AvgRF	CCRF	%Dev		----------	
101		sec-Butylbenzene	2.306	2.599	-12.7	116	0.00	7.49
102		4-Isopropyltoluene	1.828	2.156	-17.9	117	0.00	7.60
103		1,3-Dichlorobenzene	1.105	1.181	-6.9	114	0.00	7.65
104		1,2,3-Trimethylbenzene	2.187	2.343	-7.1	112	0.00	7.74
105		1,4-Dichlorobenzene	1.129	1.217	-7.8	116	0.00	7.72
		----------	Amount	Calc.	%Drift		----------	
106		n-Butylbenzene	40.000	44.620	-11.5	118	-0.01	7.91
107		Benzyl Chloride	40.000	43.989	-10.0	112	0.00	7.90
		----------	AvgRF	CCRF	%Dev		----------	
108		1,2-Dichlorobenzene	1.044	1.128	-8.0	116	-0.01	8.02
		----------	Amount	Calc.	%Drift		----------	
109		1,2-Dibromo-3-Chloropropa	40.000	44.347	-10.9	115	0.00	8.60
		----------	AvgRF	CCRF	%Dev		----------	
110		Hexachlorobutadiene	0.177	0.222	-25.4#	136	-0.01	9.05
111		1,2,4-Trichlorobenzene	0.491	0.586	-19.3	125	-0.01	9.07
112		Naphthalene	2.151	2.441	-13.5	115	-0.01	9.29
113		1,2,3-Trichlorobenzene	0.453	0.556	-22.7#	131	-0.01	9.41

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

1O86795.D V1O4046_08152024.M Mon Sep 30 07:14:08 2024

6.7.11

6

Continuing Calibration Summary

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1O4089-ECC4046
Lab FileID: 1O87909.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\093024\1O87909.D Vial: 29
Acq On : 30 Sep 2024 5:49 pm Operator: jeniferw
Sample : ECC4046-5 Inst : MSVOA12-O
Misc : MS57601,V1O4089,,,,, Multiplr: 1.00
MS Integration Params: big.p

Method : C:\msdchem\1\met...O4046_08152024.M (RTE Integrator)
Title : SW-846 Method 5030/8260D & EPA 624.1
Last Update : Thu Aug 15 12:51:02 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 50% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	89	0.00	3.97
2	Dichlorodifluoromethane	0.276	0.286	-3.6	91	0.00	1.20
3	Chloromethane	0.186	0.171	8.1	84	-0.01	1.34
4	1,3-butadiene	0.158	0.137	13.3	77	0.00	1.42
5	Vinyl Chloride	0.224	0.218	2.7	87	-0.01	1.40
6	Bromomethane	0.123	0.095	22.8	67	-0.01	1.63
7	Chloroethane	0.064	0.052	18.8	69	-0.01	1.71
8	Trichlorofluoromethane	0.261	0.297	-13.8	99	0.00	1.81
9	Ethyl Ether	0.149	0.146	2.0	87	-0.01	2.02
10	Ethanol	0.003	0.003	0.0	103	0.00	2.12
11	1,2-Dichlorotrifluoroetha	0.227	0.226	0.4	88	-0.01	2.14
12	1,1-Dichloroethene	0.252	0.252	0.0	89	0.00	2.14
13	Freon 113	0.169	0.172	-1.8	87	0.00	2.17
14	Carbon Disulfide	0.565	0.534	5.5	84	0.00	2.16
15	Iodomethane	0.207	0.104	49.8	42#	0.00	2.23
16	Acrolein	0.048	0.040	16.7	71	0.00	2.35
17	Allyl chloride	0.201	0.190	5.5	83	0.00	2.43
18	Methylene Chloride	0.191	0.202	-5.8	96	0.00	2.50
19	Acetone	0.089	0.081	9.0	82	0.00	2.52
20	Methyl acetate	0.200	0.202	-1.0	88	0.00	2.59
21	trans-1,2-Dichloroethene	0.258	0.255	1.2	89	0.00	2.59
22	Hexane	0.122	0.120	1.6	89	0.00	2.64
23	Methyl Tert Butyl Ether	0.606	0.579	4.5	84	0.00	2.65
24	Tert Butyl Alcohol	0.054	0.046	14.8	72	0.00	2.70
25	Acetonitrile	0.029	0.035	-20.7	109	0.00	2.79
26	Di-isopropyl ether	0.472	0.458	3.0	85	0.00	2.87
27	Chloroprene	0.209	0.206	1.4	88	0.00	2.93
28	1,1-Dichloroethane	0.335	0.335	0.0	90	0.00	2.95
29	Acrylonitrile	0.087	0.085	2.3	88	0.00	2.96
30	ETBE	0.525	0.506	3.6	84	0.00	3.07
31	Vinyl acetate	0.342	0.332	2.9	83	0.00	3.08
32	cis-1,2-Dichloroethene	0.207	0.210	-1.4	93	0.00	3.25
		Amount	Calc.	%Drift			
33	2,2-Dichloropropane	40.000	34.717	13.2	78	0.00	3.31
		AvgRF	CCRF	%Dev			
34	Bromochloromethane	0.094	0.090	4.3	85	0.00	3.36
35	Cyclohexane	0.252	0.245	2.8	83	0.00	3.37
36	Chloroform	0.381	0.396	-3.9	93	0.00	3.40
37	Ethyl acetate	0.272	0.266	2.2	88	0.00	3.46
38	Tetrahydrofuran	0.106	0.092	13.2	85	0.00	3.49

Continuing Calibration Summary

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1O4089-ECC4046
Lab FileID: 1O87909.D

39	S	Dibromofluoromethane	0.243	0.255	-4.9	91	0.00	3.51
40		Carbon Tetrachloride	0.189	0.216	-14.3	97	0.00	3.49
41		1,1,1-Trichloroethane	0.286	0.298	-4.2	91	0.00	3.53
42		2-Butanone	0.156	0.146	6.4	84	0.00	3.57
			Amount	Calc.	%Drift			
43		1,1-Dichloropropene	40.000	40.164	-0.4	90	0.00	3.59
44		tert-Butyl formate	200.000	147.959	26.0	68	0.00	3.65
			AvgRF	CCRF	%Dev			
45		Propionitrile	0.047	0.046	2.1	89	0.00	3.74
46		Methacrylonitrile	0.148	0.149	-0.7	90	0.00	3.75
47		Benzene	0.845	0.834	1.3	90	0.00	3.73
48		TAME	0.271	0.247	8.9	76	0.00	3.90
49		Isobutyl alcohol	0.014	0.015	-7.1	91	0.00	3.84
50	S	1,2-Dichloroethane-d4	0.306	0.310	-1.3	89	0.00	3.81
51		1,2-Dichloroethane	0.259	0.274	-5.8	95	0.00	3.85
52		Tert Amyl Alcohol	0.038	0.033	13.2	73	0.00	3.90
53		Trichloroethene	0.215	0.214	0.5	91	0.00	4.07
54		Methylcyclohexane	0.291	0.287	1.4	84	0.00	4.07
55		Dibromomethane	0.131	0.137	-4.6	92	0.00	4.32
56		1,2-Dichloropropane	0.190	0.188	1.1	87	0.00	4.38
57		Bromodichloromethane	0.235	0.263	-11.9	94	0.00	4.42
58		Methyl methacrylate	0.166	0.168	-1.2	88	0.00	4.50
59		1,4-Dioxane	0.004	0.004	0.0	93	0.00	4.54
60		2-Chloroethyl vinyl ether	0.153	0.152	0.7	84	0.00	4.76
61		cis-1,3-Dichloropropene	0.292	0.306	-4.8	86	0.00	4.81
62	I	Chlorobenzene-d5	1.000	1.000	0.0	95	0.00	5.96
63	S	Toluene-d8	1.516	1.453	4.2	90	0.00	4.93
64		Toluene	1.326	1.232	7.1	91	0.00	4.96
			Amount	Calc.	%Drift			
65		2-Nitropropane	200.000	278.069	-39.0	140	0.00	5.10
			AvgRF	CCRF	%Dev			
66		4-Methyl-2-pentanone	0.405	0.390	3.7	89	0.00	5.19
67		trans-1,3-Dichloropropene	0.437	0.444	-1.6	87	0.00	5.22
68		Tetrachloroethene	0.261	0.311	-19.2	115	0.00	5.21
			Amount	Calc.	%Drift			
69		Ethyl methacrylate	40.000	36.001	10.0	87	0.00	5.32
			AvgRF	CCRF	%Dev			
70		1,1,2-Trichloroethane	0.261	0.255	2.3	92	0.00	5.33
			Amount	Calc.	%Drift			
71		Dibromochloromethane	40.000	41.710	-4.3	96	0.00	5.45
			AvgRF	CCRF	%Dev			
72		1,3-Dichloropropane	0.528	0.500	5.3	90	0.00	5.51
73		1,2-Dibromoethane	0.295	0.292	1.0	92	0.00	5.62
			Amount	Calc.	%Drift			
74		3,3-dimethyl-1-butanol	2000.000	2006.090	-0.3	90	0.00	5.73
			AvgRF	CCRF	%Dev			
75		2-hexanone	0.419	0.418	0.2	90	0.00	5.75
76		1-Chlorohexane	0.393	0.338	14.0	85	0.00	5.96
77		Ethylbenzene	1.431	1.392	2.7	93	0.00	5.99

Continuing Calibration Summary

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1O4089-ECC4046
Lab FileID: 1O87909.D

78		Chlorobenzene	0.796	0.769	3.4	94	0.00	5.98
79		1,1,1,2-Tetrachloroethane	0.212	0.231	-9.0	96	0.00	6.02
80		m,p-Xylene	1.093	1.071	2.0	92	0.00	6.10
81		o-Xylene	1.083	1.074	0.8	92	0.00	6.41
82		Styrene	0.778	0.802	-3.1	91	0.00	6.45
		----------	Amount	Calc.	%Drift	----------		
83		Bromoform	40.000	41.786	-4.5	95	0.00	6.47
		----------	AvgRF	CCRF	%Dev	----------		
84		Isopropylbenzene	1.177	1.182	-0.4	93	0.00	6.64
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	99	0.00	7.71
86	S	4-Bromofluorobenzene	0.746	0.703	5.8	94	0.00	6.85
87		cis-1,4-Dichloro-2-butene	0.239	0.211	11.7	88	0.00	6.90
88		n-Propylbenzene	3.121	2.983	4.4	95	0.00	6.96
89		Bromobenzene	0.613	0.564	8.0	93	0.00	6.93
90		1,1,2,2-Tetrachloroethane	1.030	0.964	6.4	92	0.00	7.00
91		1,3,5-Trimethylbenzene	2.047	2.041	0.3	97	0.00	7.10
92		2-Chlorotoluene	2.206	2.078	5.8	95	0.00	7.07
93		trans-1,4-Dichloro-2-Bute	0.210	0.173	17.6	82	0.00	7.14
94		1,2,3-Trichloropropane	0.325	0.300	7.7	93	0.00	7.11
95		Cyclohexanone	0.043	0.037	14.0	85	0.00	7.14
96		4-Chlorotoluene	2.063	1.961	4.9	94	0.00	7.20
97		tert-Butylbenzene	1.195	1.188	0.6	97	0.00	7.35
98		a-Methyl styrene		----------NA----------				
99		1,2,4-Trimethylbenzene	2.005	2.048	-2.1	97	0.00	7.41
		----------	Amount	Calc.	%Drift	----------		
100		Pentachloroethane	40.000	31.190	22.0	72	0.00	7.37
		----------	AvgRF	CCRF	%Dev	----------		
101		sec-Butylbenzene	2.306	2.299	0.3	97	0.00	7.49
102		4-Isopropyltoluene	1.828	1.899	-3.9	97	0.00	7.60
103		1,3-Dichlorobenzene	1.105	1.059	4.2	97	0.00	7.65
104		1,2,3-Trimethylbenzene	2.187	2.124	2.9	96	0.00	7.74
105		1,4-Dichlorobenzene	1.129	1.093	3.2	99	0.00	7.72
		----------	Amount	Calc.	%Drift	----------		
106		n-Butylbenzene	40.000	38.635	3.4	96	0.00	7.91
107		Benzyl Chloride	40.000	31.758	20.6	72	0.00	7.90
		----------	AvgRF	CCRF	%Dev	----------		
108		1,2-Dichlorobenzene	1.044	1.025	1.8	100	0.00	8.03
		----------	Amount	Calc.	%Drift	----------		
109		1,2-Dibromo-3-Chloropropa	40.000	37.992	5.0	91	0.00	8.60
		----------	AvgRF	CCRF	%Dev	----------		
110		Hexachlorobutadiene	0.177	0.184	-4.0	107	0.00	9.05
111		1,2,4-Trichlorobenzene	0.491	0.520	-5.9	105	-0.01	9.07
112		Naphthalene	2.151	2.137	0.7	95	-0.01	9.29
113		1,2,3-Trichlorobenzene	0.453	0.487	-7.5	109	0.00	9.41

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

1O86795.D V1O4046_08152024.M Tue Oct 01 06:19:55 2024

Run Sequence Report

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Run ID: V1A3047	**Method:** SW846 8260D	**Instrument ID:** GCMS1A

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V1A3047-BFB	1A59227.D	09/18/24 07:29	n/a	BFB Tune
V1A3047-IC3047	1A59229.D	09/18/24 08:10	n/a	Initial cal 1
V1A3047-IC3047	1A59231.D	09/18/24 08:42	n/a	Initial cal 8
V1A3047-IC3047	1A59233.D	09/18/24 09:14	n/a	Initial cal 2
V1A3047-IC3047	1A59235.D	09/18/24 09:46	n/a	Initial cal 3
V1A3047-IC3047	1A59237.D	09/18/24 10:18	n/a	Initial cal 4
V1A3047-ICC3047	1A59239.D	09/18/24 10:51	n/a	Initial cal 5
V1A3047-IC3047	1A59241.D	09/18/24 11:23	n/a	Initial cal 6
V1A3047-IC3047	1A59243.D	09/18/24 11:55	n/a	Initial cal 7
V1A3047-ICV3047	1A59249.D	09/18/24 13:31	n/a	Initial cal verification 5
V1A3047-BS	1A59251A.D	09/18/24 14:03	n/a	Blank Spike
V1A3047-ICV3047	1A59251.D	09/18/24 14:03	n/a	Initial cal verification 4
V1A3047-MB	1A59257.D	09/18/24 15:40	n/a	Method Blank
FC18845-2	1A59259.D	09/18/24 16:12	n/a	(used for QC only; not part of job FC19116A)
ZZZZZZ	1A59261.D	09/18/24 16:44	n/a	(unrelated sample)
ZZZZZZ	1A59263.D	09/18/24 17:16	n/a	(unrelated sample)
ZZZZZZ	1A59265.D	09/18/24 17:48	n/a	(unrelated sample)
ZZZZZZ	1A59267.D	09/18/24 18:20	n/a	(unrelated sample)
ZZZZZZ	1A59269.D	09/18/24 18:52	n/a	(unrelated sample)
FC18845-2MS	1A59271.D	09/18/24 19:24	n/a	Matrix Spike
FC18845-2MSD	1A59273.D	09/18/24 19:56	n/a	Matrix Spike Duplicate
V1A3047-ECC3047	1A59275.D	09/18/24 20:28	n/a	Ending cal 5

Run Sequence Report

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Run ID: V1A3060 **Method:** SW846 8260D **Instrument ID:** GCMS1A

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V1A3060-BFB	1A59532.D	09/29/24 10:06	n/a	BFB Tune
V1A3060-CC3047	1A59533.D	09/29/24 10:30	n/a	Continuing cal 5
V1A3060-BS	1A59534.D	09/29/24 10:55	n/a	Blank Spike
V1A3060-MB	1A59537.D	09/29/24 12:07	n/a	Method Blank
ZZZZZZ	1A59538.D	09/29/24 12:35	n/a	(unrelated sample)
ZZZZZZ	1A59539.D	09/29/24 12:59	n/a	(unrelated sample)
FC19130-2	1A59540.D	09/29/24 13:24	n/a	(used for QC only; not part of job FC19116A)
ZZZZZZ	1A59541.D	09/29/24 13:48	n/a	(unrelated sample)
ZZZZZZ	1A59542.D	09/29/24 14:12	n/a	(unrelated sample)
ZZZZZZ	1A59543.D	09/29/24 14:36	n/a	(unrelated sample)
ZZZZZZ	1A59544.D	09/29/24 15:00	n/a	(unrelated sample)
ZZZZZZ	1A59545.D	09/29/24 15:25	n/a	(unrelated sample)
ZZZZZZ	1A59546.D	09/29/24 15:49	n/a	(unrelated sample)
ZZZZZZ	1A59547.D	09/29/24 16:13	n/a	(unrelated sample)
ZZZZZZ	1A59548.D	09/29/24 16:37	n/a	(unrelated sample)
ZZZZZZ	1A59549.D	09/29/24 17:02	n/a	(unrelated sample)
ZZZZZZ	1A59550.D	09/29/24 17:26	n/a	(unrelated sample)
ZZZZZZ	1A59551.D	09/29/24 17:50	n/a	(unrelated sample)
ZZZZZZ	1A59552.D	09/29/24 18:14	n/a	(unrelated sample)
ZZZZZZ	1A59553.D	09/29/24 18:39	n/a	(unrelated sample)
ZZZZZZ	1A59554.D	09/29/24 19:03	n/a	(unrelated sample)
ZZZZZZ	1A59555.D	09/29/24 19:27	n/a	(unrelated sample)
ZZZZZZ	1A59556.D	09/29/24 19:51	n/a	(unrelated sample)
FC19116-9	1A59557.D	09/29/24 20:15	n/a	789MW-98_0924
FC19130-2MS	1A59558.D	09/29/24 20:40	n/a	Matrix Spike
FC19130-2MSD	1A59559.D	09/29/24 21:04	n/a	Matrix Spike Duplicate
V1A3060-ECC3047	1A59560.D	09/29/24 21:28	n/a	Ending cal 5

Run Sequence Report

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Run ID: V1A3062 **Method:** SW846 8260D **Instrument ID:** GCMS1A

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V1A3062-BFB	1A59591.D	10/01/24 06:18	n/a	BFB Tune
V1A3062-CC3047	1A59592.D	10/01/24 06:42	n/a	Continuing cal 5
V1A3062-BS	1A59593.D	10/01/24 07:07	n/a	Blank Spike
V1A3062-MB	1A59596.D	10/01/24 08:20	n/a	Method Blank
ZZZZZZ	1A59597.D	10/01/24 08:45	n/a	(unrelated sample)
FC19116-7	1A59598.D	10/01/24 09:09	n/a	789MW-222_0924
FC19164-5	1A59599.D	10/01/24 09:33	n/a	(used for QC only; not part of job FC19116A)
ZZZZZZ	1A59600.D	10/01/24 09:57	n/a	(unrelated sample)
ZZZZZZ	1A59601.D	10/01/24 10:22	n/a	(unrelated sample)
ZZZZZZ	1A59602.D	10/01/24 10:46	n/a	(unrelated sample)
ZZZZZZ	1A59603.D	10/01/24 11:10	n/a	(unrelated sample)
FC19116-5	1A59604.D	10/01/24 11:34	n/a	789MW-99_0924
FC19116-6	1A59605.D	10/01/24 11:58	n/a	789MW-99_0924-A
FC19116-8	1A59606.D	10/01/24 12:22	n/a	789MW-83_0924
ZZZZZZ	1A59607.D	10/01/24 12:46	n/a	(unrelated sample)
ZZZZZZ	1A59608.D	10/01/24 13:11	n/a	(unrelated sample)
ZZZZZZ	1A59609.D	10/01/24 13:35	n/a	(unrelated sample)
ZZZZZZ	1A59610.D	10/01/24 13:59	n/a	(unrelated sample)
ZZZZZZ	1A59611.D	10/01/24 14:23	n/a	(unrelated sample)
ZZZZZZ	1A59612.D	10/01/24 14:47	n/a	(unrelated sample)
ZZZZZZ	1A59613.D	10/01/24 15:11	n/a	(unrelated sample)
ZZZZZZ	1A59614.D	10/01/24 15:36	n/a	(unrelated sample)
ZZZZZZ	1A59615.D	10/01/24 16:00	n/a	(unrelated sample)
ZZZZZZ	1A59616.D	10/01/24 16:24	n/a	(unrelated sample)
FC19164-5MS	1A59617.D	10/01/24 16:48	n/a	Matrix Spike
FC19164-5MSD	1A59618.D	10/01/24 17:12	n/a	Matrix Spike Duplicate
FC19116-7MS	1A59619.D	10/01/24 17:36	n/a	Matrix Spike
FC19116-7MSD	1A59620.D	10/01/24 18:01	n/a	Matrix Spike Duplicate
V1A3062-ECC3047	1A59621.D	10/01/24 18:25	n/a	Ending cal 5

Run Sequence Report

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Run ID: V1O4046	**Method:** SW846 8260D	**Instrument ID:** GCMS1O

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V1O4046-BFB	1O86789.D	08/15/24 08:15	n/a	BFB Tune
V1O4046-IC4046	1O86790.D	08/15/24 08:48	n/a	Initial cal 1
V1O4046-IC4046	1O86791.D	08/15/24 09:13	n/a	Initial cal 8
V1O4046-IC4046	1O86792.D	08/15/24 09:38	n/a	Initial cal 2
V1O4046-IC4046	1O86793.D	08/15/24 10:03	n/a	Initial cal 3
V1O4046-IC4046	1O86794.D	08/15/24 10:29	n/a	Initial cal 4
V1O4046-ICC4046	1O86795.D	08/15/24 10:54	n/a	Initial cal 5
V1O4046-IC4046	1O86796.D	08/15/24 11:19	n/a	Initial cal 6
V1O4046-IC4046	1O86797.D	08/15/24 11:44	n/a	Initial cal 7
V1O4046-ICV4046	1O86799.D	08/15/24 12:35	n/a	Initial cal verification 5
V1O4046-ICV4046	1O86800.D	08/15/24 13:10	n/a	Initial cal verification 4

Run Sequence Report

Job Number: FC19116A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Run ID: V1O4089	**Method:** SW846 8260D	**Instrument ID:** GCMS1O

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V1O4089-BFB	1O87881.D	09/30/24 05:57	n/a	BFB Tune
V1O4089-CC4046	1O87882.D	09/30/24 06:22	n/a	Continuing cal 5
V1O4089-BS	1O87883.D	09/30/24 06:51	n/a	Blank Spike
V1O4089-MB	1O87885.D	09/30/24 07:41	n/a	Method Blank
FC19169-1	1O87887.D	09/30/24 08:34	n/a	(used for QC only; not part of job FC19116A)
ZZZZZZ	1O87888.D	09/30/24 09:00	n/a	(unrelated sample)
ZZZZZZ	1O87889.D	09/30/24 09:25	n/a	(unrelated sample)
ZZZZZZ	1O87890.D	09/30/24 09:50	n/a	(unrelated sample)
ZZZZZZ	1O87891.D	09/30/24 10:16	n/a	(unrelated sample)
ZZZZZZ	1O87892.D	09/30/24 10:41	n/a	(unrelated sample)
ZZZZZZ	1O87893.D	09/30/24 11:06	n/a	(unrelated sample)
ZZZZZZ	1O87894.D	09/30/24 11:31	n/a	(unrelated sample)
ZZZZZZ	1O87895.D	09/30/24 11:56	n/a	(unrelated sample)
ZZZZZZ	1O87896.D	09/30/24 12:21	n/a	(unrelated sample)
ZZZZZZ	1O87897.D	09/30/24 12:47	n/a	(unrelated sample)
ZZZZZZ	1O87898.D	09/30/24 13:12	n/a	(unrelated sample)
ZZZZZZ	1O87899.D	09/30/24 13:37	n/a	(unrelated sample)
ZZZZZZ	1O87900.D	09/30/24 14:02	n/a	(unrelated sample)
ZZZZZZ	1O87901.D	09/30/24 14:28	n/a	(unrelated sample)
ZZZZZZ	1O87902.D	09/30/24 14:53	n/a	(unrelated sample)
ZZZZZZ	1O87903.D	09/30/24 15:18	n/a	(unrelated sample)
ZZZZZZ	1O87904.D	09/30/24 15:43	n/a	(unrelated sample)
ZZZZZZ	1O87905.D	09/30/24 16:08	n/a	(unrelated sample)
FC19116-9	1O87906.D	09/30/24 16:33	n/a	789MW-98_0924
FC19169-1MS	1O87907.D	09/30/24 16:59	n/a	Matrix Spike
FC19169-1MSD	1O87908.D	09/30/24 17:24	n/a	Matrix Spike Duplicate
V1O4089-ECC4046	1O87909.D	09/30/24 17:49	n/a	Ending cal 5

MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : X:\Orlando VOA\LauraB\10. October\01102024\V1A3062\
Data File : 1A59604.d
Acq On : 1 Oct 2024 11:34 am
Operator : jeniferw
Sample : FC19116-5 Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 01 21:02:59 2024
Quant Method : X:\Orlando VOA\LauraB\10. October\01102024\V1A3062\method\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration

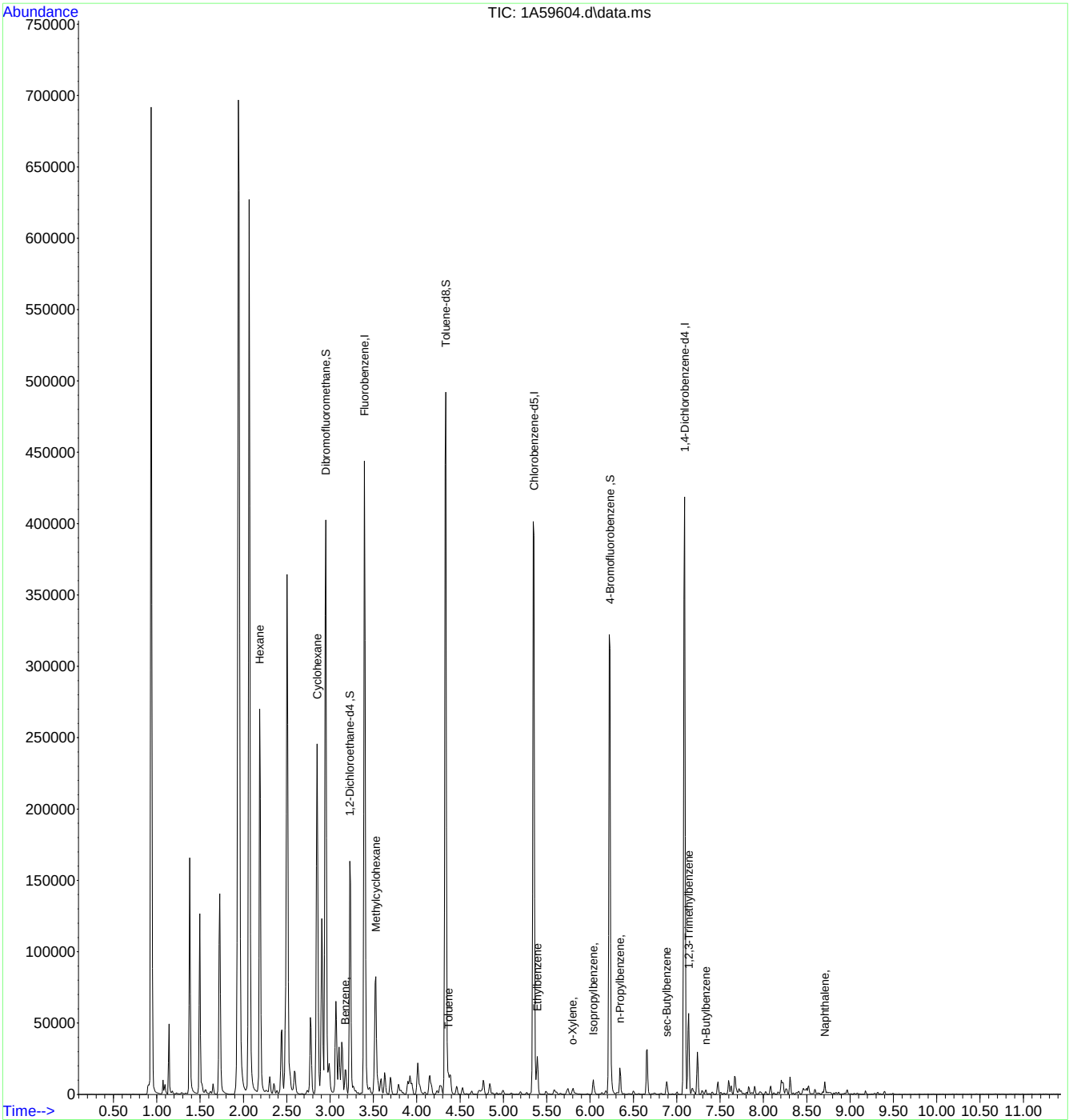
Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) Fluorobenzene		3.397	96	234957	50.00	ug/L	0.00
62) Chlorobenzene-d5		5.352	117	166479	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4		7.091	152	83384	50.00	ug/L	0.00
System Monitoring Compounds							
39) Dibromofluoromethane		2.950	113	67064	50.04	ug/L	0.00
Spiked Amount	50.000	Range 83 - 118		Recovery =	100.08%		
49) 1,2-Dichloroethane-d4		3.228	65	75714	51.36	ug/L	0.00
Spiked Amount	50.000	Range 79 - 125		Recovery =	102.72%		
63) Toluene-d8		4.336	98	226114	48.24	ug/L	0.00
Spiked Amount	50.000	Range 85 - 112		Recovery =	96.48%		
86) 4-Bromofluorobenzene		6.229	174	68371	49.83	ug/L	0.00
Spiked Amount	50.000	Range 83 - 118		Recovery =	99.66%		
Target Compounds							Qvalue
22) Hexane		2.189	56	38570	37.6130	ug/L #	70
35) Cyclohexane		2.850	56	41241	20.9135	ug/L #	63
47) Benzene		3.174	78	7914	1.7210	ug/L	87
54) Methylcyclohexane		3.528	83	20152	10.4678	ug/L	97
64) Toluene		4.367	91	4299	0.8568	ug/L	100
77) Ethylbenzene		5.390	91	10796	1.9215	ug/L	98
81) o-Xylene		5.798	91	1035	0.2399	ug/L	87
84) Isopropylbenzene		6.037	105	4918	0.9874	ug/L	98
88) n-Propylbenzene		6.345	91	9876	1.6334	ug/L	90
100) sec-Butylbenzene		6.883	105	4045	0.8351	ug/L	81
103) 1,2,3-Trimethylbenzene		7.137	105	23762	6.6055	ug/L	99
105) n-Butylbenzene		7.337	92	781	0.3970	ug/L	97
111) Naphthalene		8.707	128	3972	2.7258	ug/L	94

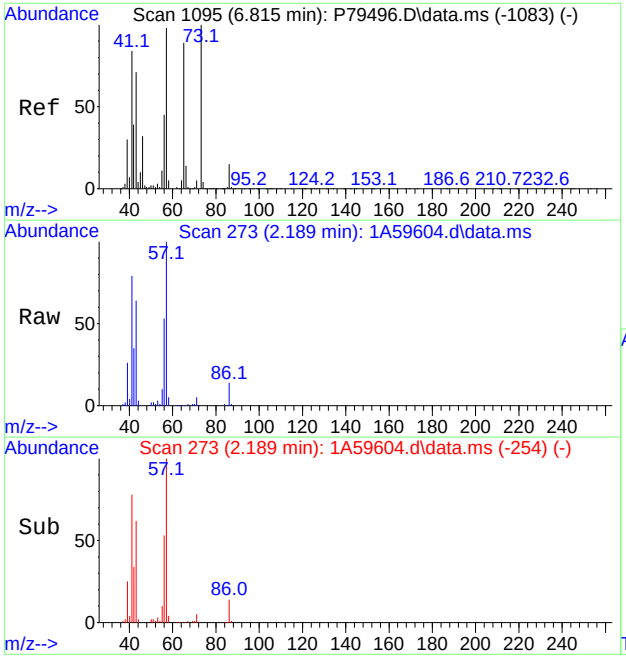
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Orlando VOA\LauraB\10. October\01102024\V1A3062\
Data File : 1A59604.d
Acq On : 1 Oct 2024 11:34 am
Operator : jeniferw
Sample : FC19116-5 Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 01 21:02:59 2024
Quant Method : X:\Orlando VOA\LauraB\10. October\01102024\V1A3062\method\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration

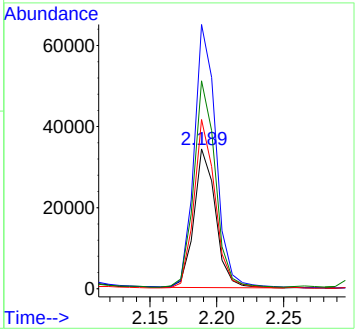


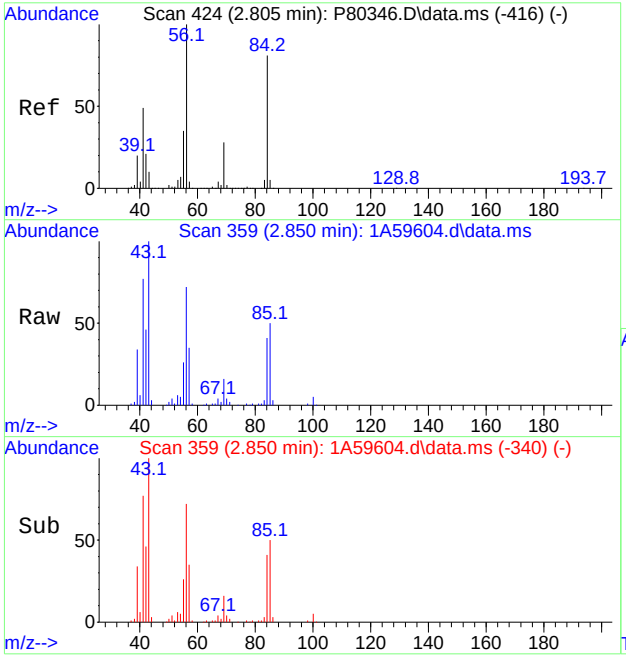


#22
Hexane
Concen: 37.6130 ug/L
RT: 2.189 min Scan# 273
Delta R.T. -0.000 min
Lab File: 1A59604.d
Acq: 1 Oct 2024 11:34 am

Tgt Ion: 56 Resp: 38570

Ion	Ratio	Lower	Upper
56	100		
57	188.8	214.7	254.7#
43	121.1	147.4	187.4#
41	148.4	172.3	212.3#

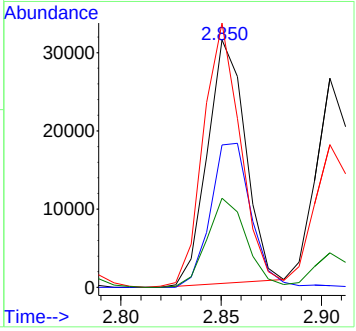


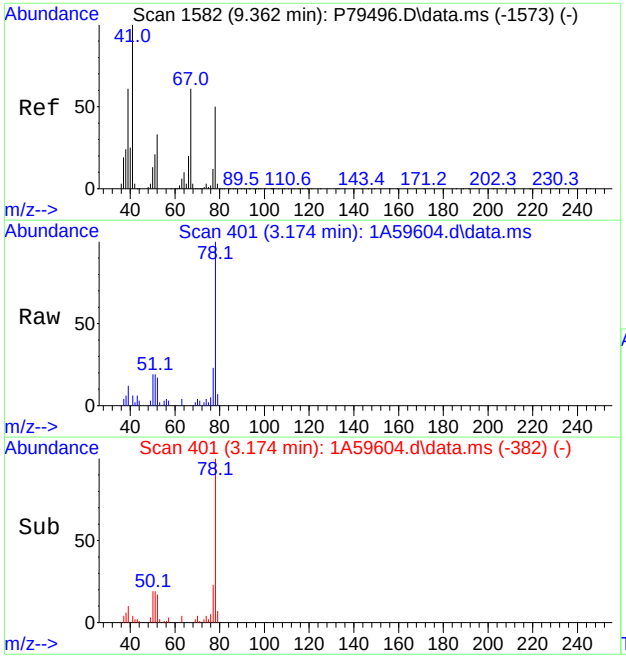


#35
Cyclohexane
Concen: 20.9135 ug/L
RT: 2.850 min Scan# 359
Delta R.T. -0.008 min
Lab File: 1A59604.d
Acq: 1 Oct 2024 11:34 am

Tgt Ion: 56 Resp: 41241

Ion	Ratio	Lower	Upper
56	100		
84	57.5	65.0	105.0#
41	106.4	35.3	75.3#
55	36.0	16.1	56.1

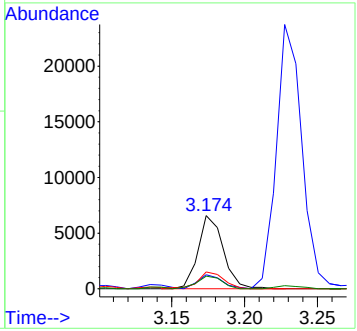


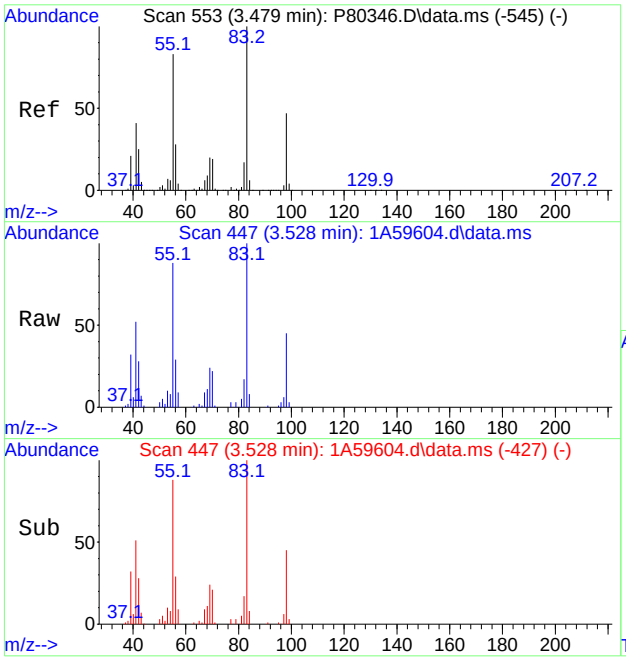


#47
Benzene
Concen: 1.7210 ug/L
RT: 3.174 min Scan# 401
Delta R.T. -0.000 min
Lab File: 1A59604.d
Acq: 1 Oct 2024 11:34 am

Tgt Ion: 78 Resp: 7914

Ion	Ratio	Lower	Upper
78	100		
51	14.3	0.0	52.8
77	23.0	0.0	53.3
52	14.8	0.0	55.6

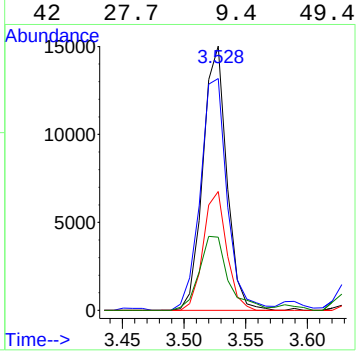


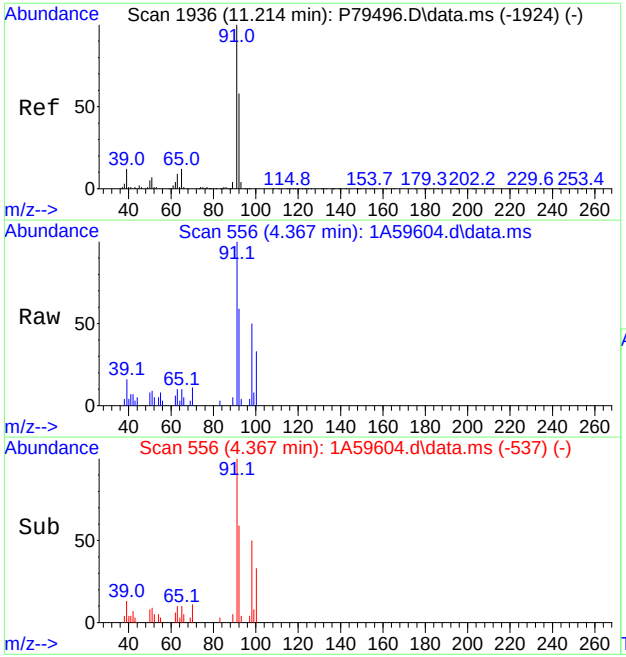


#54
Methylcyclohexane
Concen: 10.4678 ug/L
RT: 3.528 min Scan# 447
Delta R.T. 0.007 min
Lab File: 1A59604.d
Acq: 1 Oct 2024 11:34 am

Tgt Ion: 83 Resp: 20152

Ion	Ratio	Lower	Upper
83	100		
55	87.7	63.8	103.8
98	44.9	23.5	63.5
42	27.7	9.4	49.4

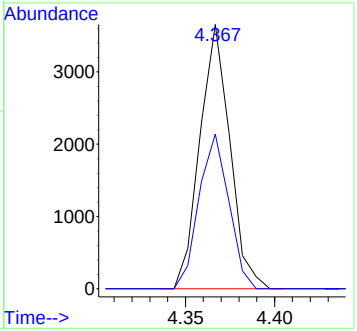


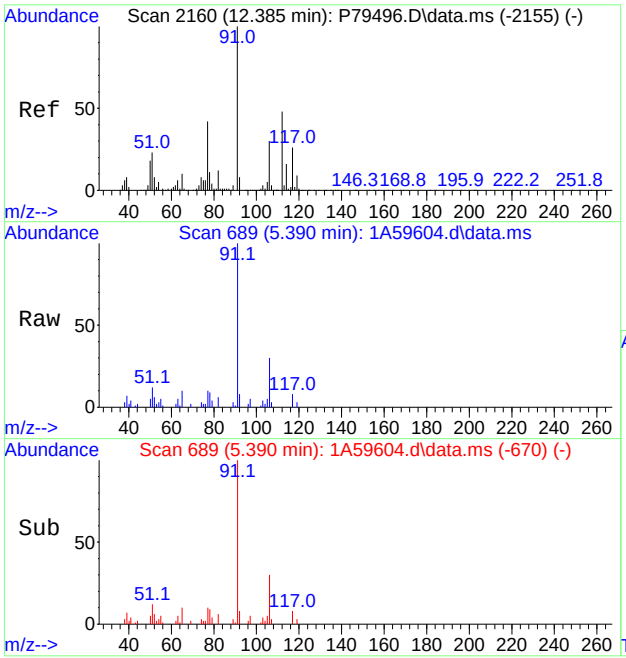


#64
Toluene
Concen: 0.8568 ug/L
RT: 4.367 min Scan# 556
Delta R.T. -0.000 min
Lab File: 1A59604.d
Acq: 1 Oct 2024 11:34 am

Tgt Ion: 91 Resp: 4299

Ion	Ratio	Lower	Upper
91	100		
92	58.5	28.2	88.2

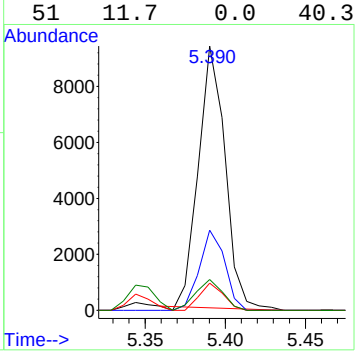


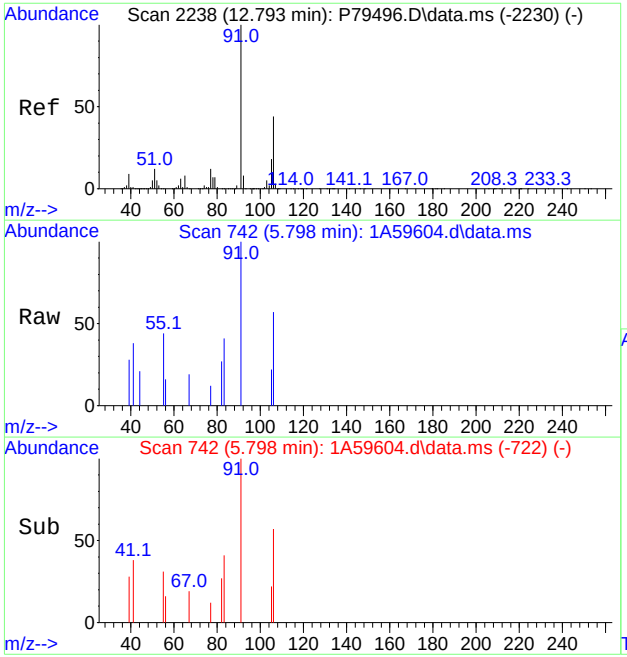


#77
Ethylbenzene
Concen: 1.9215 ug/L
RT: 5.390 min Scan# 689
Delta R.T. -0.001 min
Lab File: 1A59604.d
Acq: 1 Oct 2024 11:34 am

Tgt Ion: 91 Resp: 10796

Ion	Ratio	Lower	Upper
91	100		
106	30.3	0.4	60.4
65	10.3	0.0	38.5
51	11.7	0.0	40.3

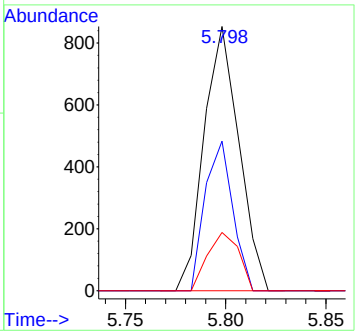


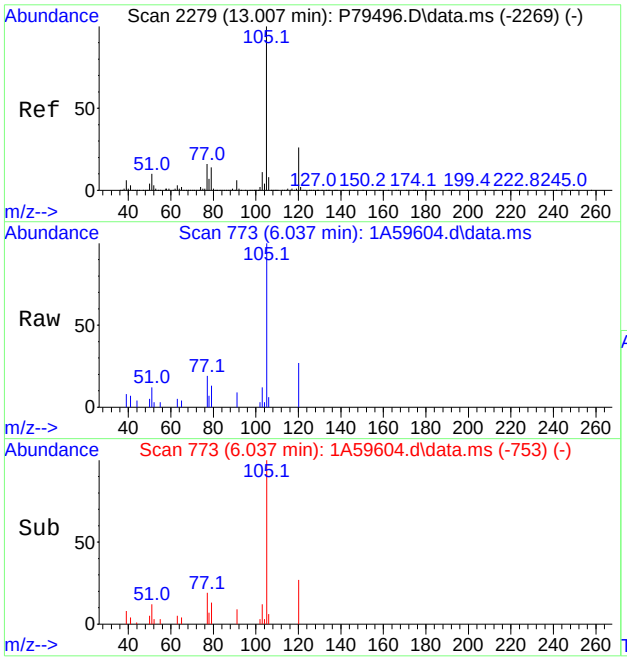


#81
o-Xylene
Concen: 0.2399 ug/L
RT: 5.798 min Scan# 742
Delta R.T. 0.000 min
Lab File: 1A59604.d
Acq: 1 Oct 2024 11:34 am

Tgt Ion: 91 Resp: 1035

Ion	Ratio	Lower	Upper
91	100		
106	56.6	15.9	75.9
105	22.0	0.0	49.1

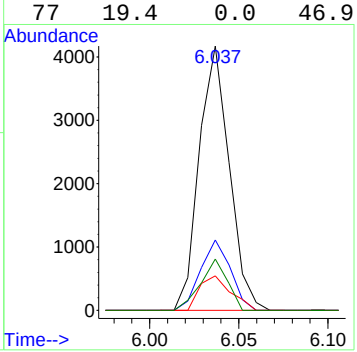


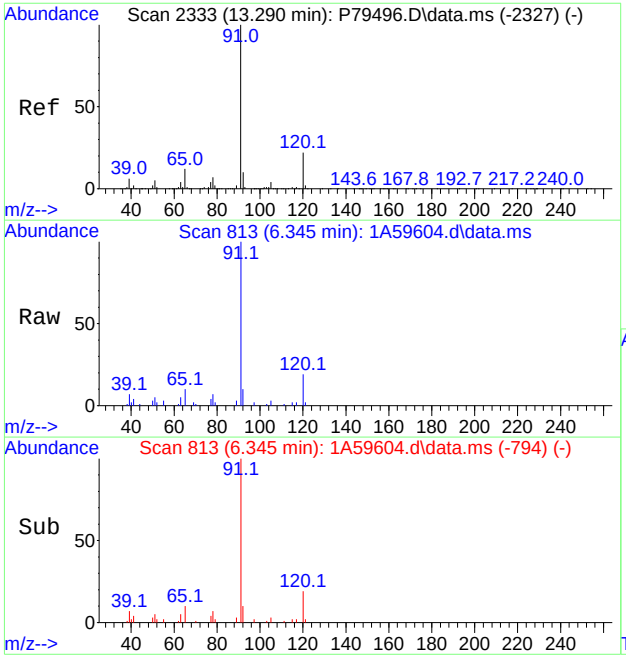


#84
Isopropylbenzene
Concen: 0.9874 ug/L
RT: 6.037 min Scan# 773
Delta R.T. 0.008 min
Lab File: 1A59604.d
Acq: 1 Oct 2024 11:34 am

Tgt Ion:105 Resp: 4918

Ion	Ratio	Lower	Upper
105	100		
120	26.6	0.0	56.5
79	13.0	0.0	42.4
77	19.4	0.0	46.9

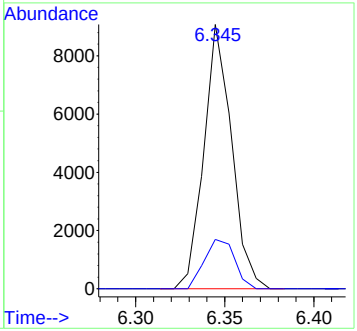


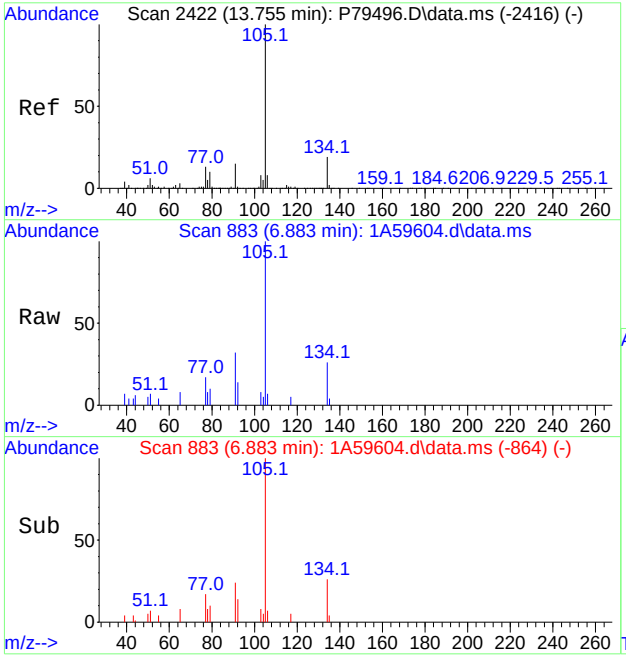


#88
n-Propylbenzene
Concen: 1.6334 ug/L
RT: 6.345 min Scan# 813
Delta R.T. -0.000 min
Lab File: 1A59604.d
Acq: 1 Oct 2024 11:34 am

Tgt Ion: 91 Resp: 9876

Ion	Ratio	Lower	Upper
91	100		
120	18.7	0.0	53.4

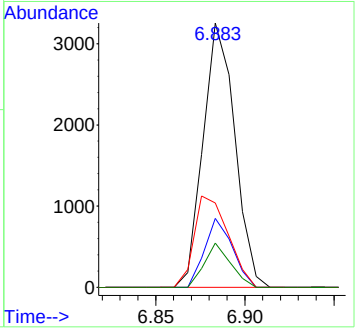


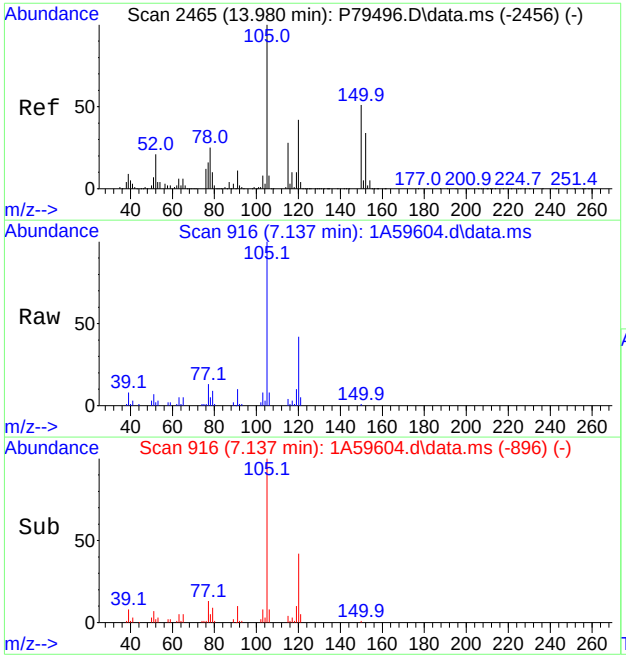


#100
sec-Butylbenzene
Concen: 0.8351 ug/L
RT: 6.883 min Scan# 883
Delta R.T. -0.001 min
Lab File: 1A59604.d
Acq: 1 Oct 2024 11:34 am

Tgt Ion:105 Resp: 4045

Ion	Ratio	Lower	Upper
105	100		
134	26.1	0.0	50.5
91	31.9	0.0	46.2
77	16.7	0.0	43.1

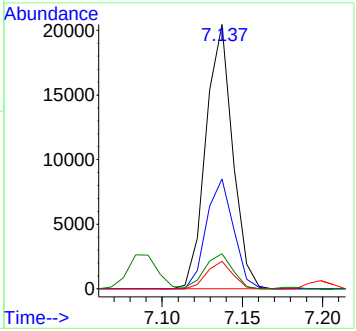


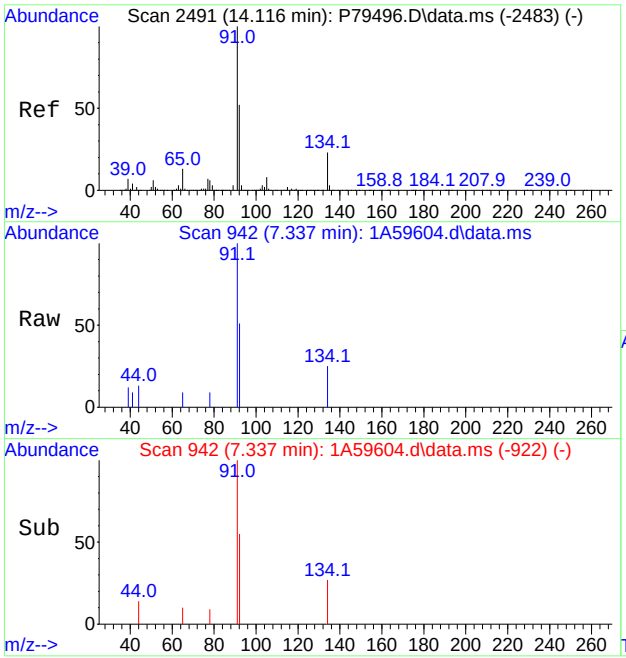


#103
1,2,3-Trimethylbenzene
Concen: 6.6055 ug/L
RT: 7.137 min Scan# 916
Delta R.T. 0.007 min
Lab File: 1A59604.d
Acq: 1 Oct 2024 11:34 am

Tgt Ion:105 Resp: 23762

Ion	Ratio	Lower	Upper
105	100		
120	41.5	11.4	71.4
119	10.5	0.0	39.9
77	12.7	0.0	43.2

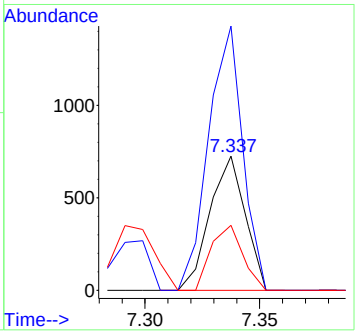


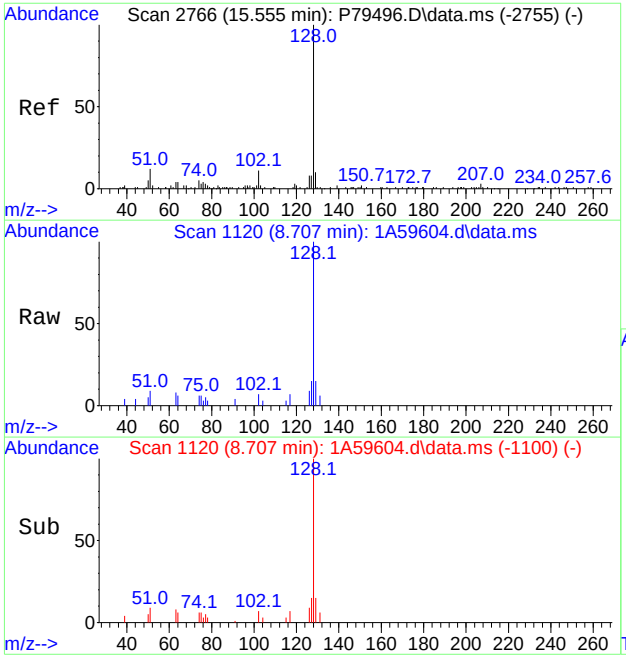


#105
n-Butylbenzene
Concen: 0.3970 ug/L
RT: 7.337 min Scan# 942
Delta R.T. 0.007 min
Lab File: 1A59604.d
Acq: 1 Oct 2024 11:34 am

Tgt Ion: 92 Resp: 781

Ion	Ratio	Lower	Upper
92	100		
91	197.0	162.7	222.7
134	48.5	17.3	77.3

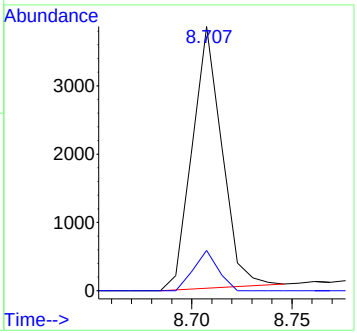




#111
Naphthalene
Concen: 2.7258 ug/L
RT: 8.707 min Scan# 1120
Delta R.T. 0.007 min
Lab File: 1A59604.d
Acq: 1 Oct 2024 11:34 am

Tgt Ion:128 Resp: 3972

Ion	Ratio	Lower	Upper
128	100		
127	15.3	0.0	42.8



7.11

Quantitation Report (QT Reviewed)

Data Path : X:\Orlando VOA\LauraB\10. October\01102024\V1A3062\
Data File : 1A59605.d
Acq On : 1 Oct 2024 11:58 am
Operator : jeniferw
Sample : FC19116-6 Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 01 21:03:22 2024
Quant Method : X:\Orlando VOA\LauraB\10. October\01102024\V1A3062\method\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration

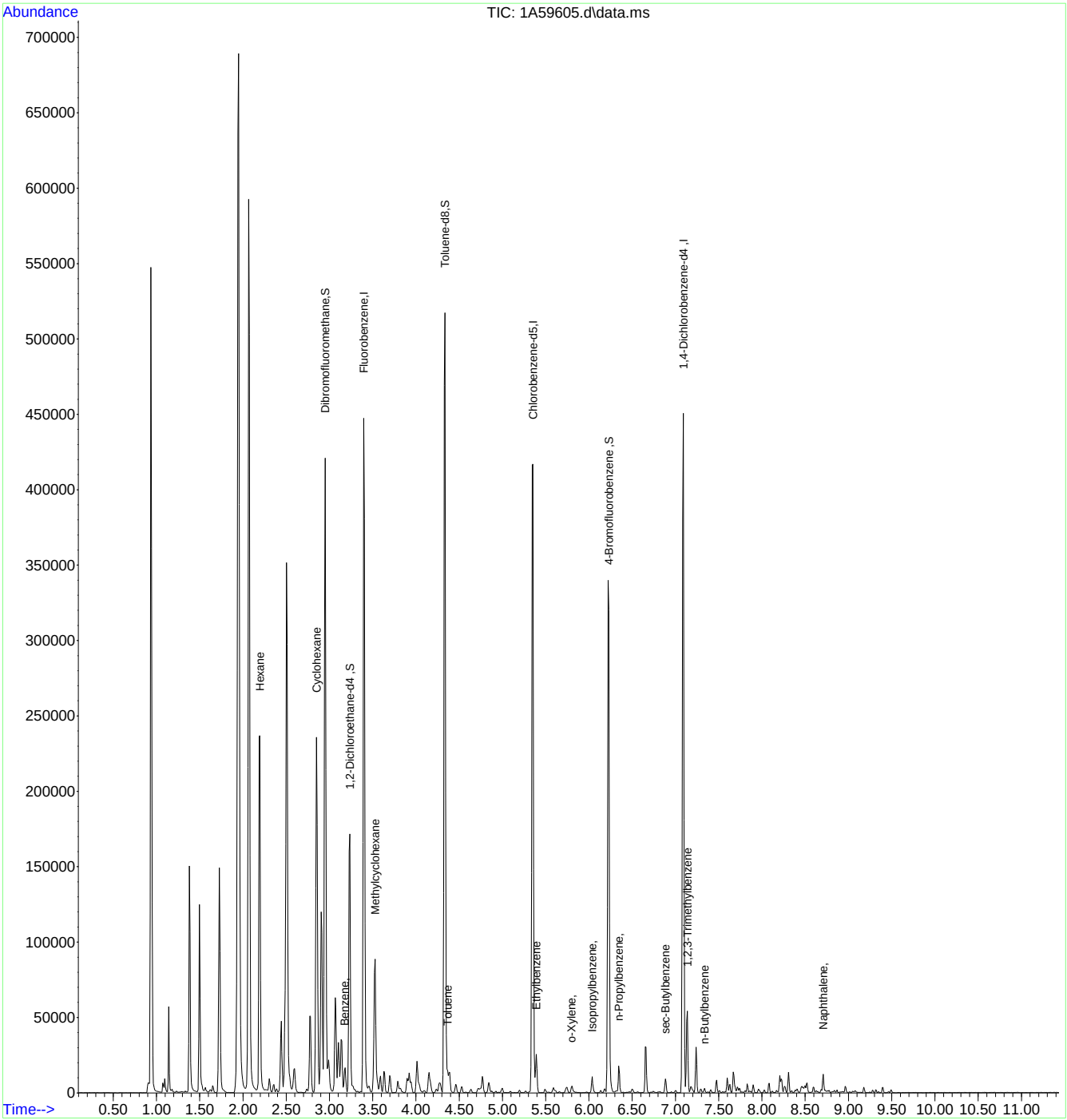
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.397	96	245746	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.352	117	173421	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.091	152	88960	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	2.951	113	70644	50.40	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.80%			
49) 1,2-Dichloroethane-d4	3.235	65	80903	52.47	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 104.94%			
63) Toluene-d8	4.336	98	238139	48.77	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 97.54%			
86) 4-Bromofluorobenzene	6.229	174	73083	49.92	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.84%			
Target Compounds						Qvalue
22) Hexane	2.196	56	36649	34.1706	ug/L #	72
35) Cyclohexane	2.851	56	40639	19.7034	ug/L #	58
47) Benzene	3.174	78	7284	1.5144	ug/L	83
54) Methylcyclohexane	3.528	83	21120	10.4889	ug/L	96
64) Toluene	4.367	91	4440	0.8495	ug/L	100
77) Ethylbenzene	5.390	91	10637	1.8174	ug/L	97
81) o-Xylene	5.798	91	1142	0.2541	ug/L	93
84) Isopropylbenzene	6.037	105	4931	0.9504	ug/L	97
88) n-Propylbenzene	6.345	91	9725	1.5076	ug/L	99
100) sec-Butylbenzene	6.883	105	3989	0.7719	ug/L	70
103) 1,2,3-Trimethylbenzene	7.137	105	23288	6.0680	ug/L	97
105) n-Butylbenzene	7.338	92	703	0.3350	ug/L	88
111) Naphthalene	8.707	128	5889	3.7758	ug/L	96

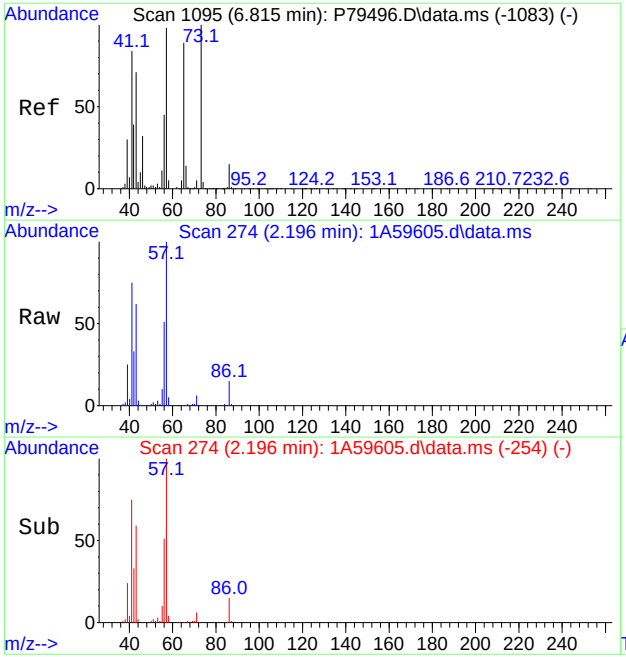
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Orlando VOA\LauraB\10. October\01102024\V1A3062\
Data File : 1A59605.d
Acq On : 1 Oct 2024 11:58 am
Operator : jeniferw
Sample : FC19116-6 Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 01 21:03:22 2024
Quant Method : X:\Orlando VOA\LauraB\10. October\01102024\V1A3062\method\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration

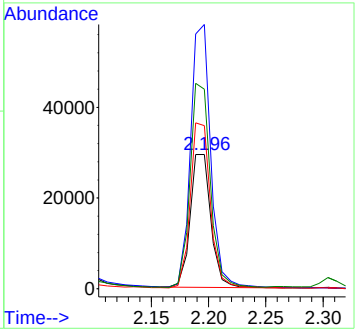


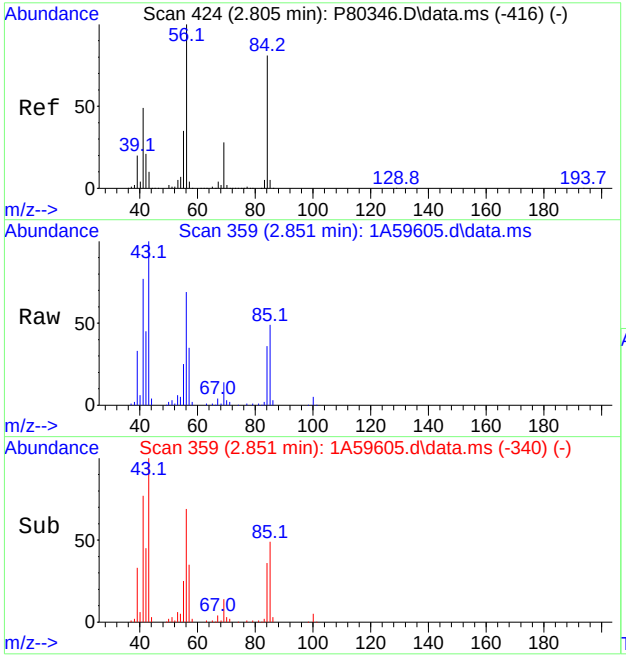


#22
Hexane
Concen: 34.1706 ug/L
RT: 2.196 min Scan# 274
Delta R.T. 0.007 min
Lab File: 1A59605.d
Acq: 1 Oct 2024 11:58 am

Tgt Ion: 56 Resp: 36649

Ion	Ratio	Lower	Upper
56	100		
57	197.1	214.7	254.7#
43	121.6	147.4	187.4#
41	148.3	172.3	212.3#

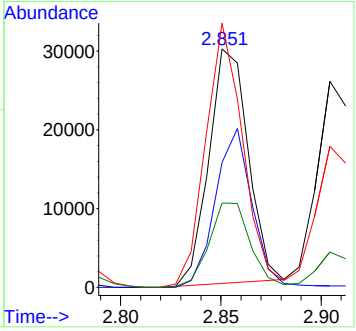


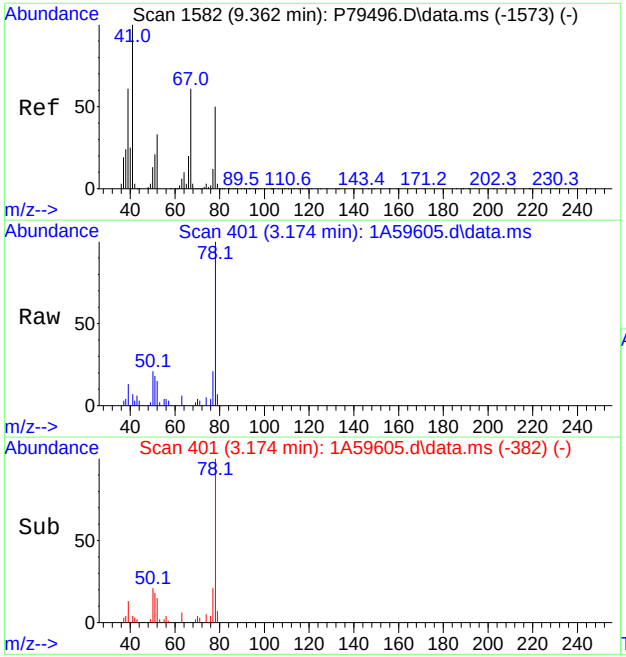


#35
Cyclohexane
Concen: 19.7034 ug/L
RT: 2.851 min Scan# 359
Delta R.T. -0.007 min
Lab File: 1A59605.d
Acq: 1 Oct 2024 11:58 am

Tgt Ion: 56 Resp: 40639

Ion	Ratio	Lower	Upper
56	100		
84	52.3	65.0	105.0#
41	110.9	35.3	75.3#
55	35.4	16.1	56.1

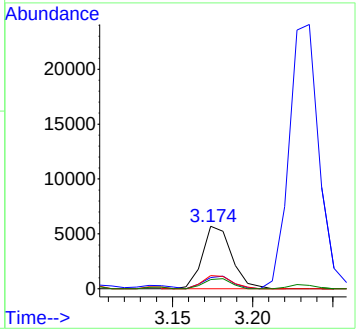


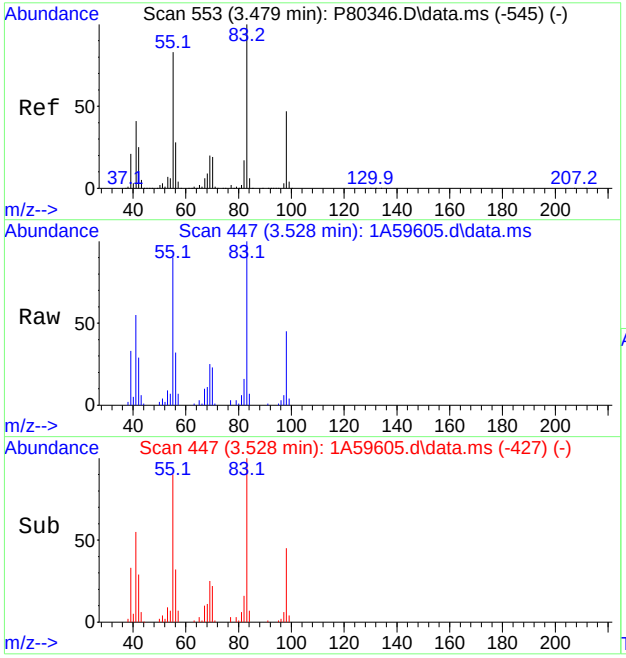


#47
Benzene
Concen: 1.5144 ug/L
RT: 3.174 min Scan# 401
Delta R.T. -0.000 min
Lab File: 1A59605.d
Acq: 1 Oct 2024 11:58 am

Tgt Ion: 78 Resp: 7284

Ion	Ratio	Lower	Upper
78	100		
51	13.0	0.0	52.8
77	21.0	0.0	53.3
52	12.7	0.0	55.6

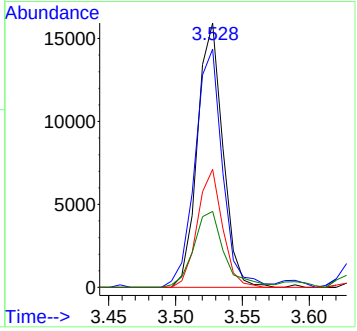


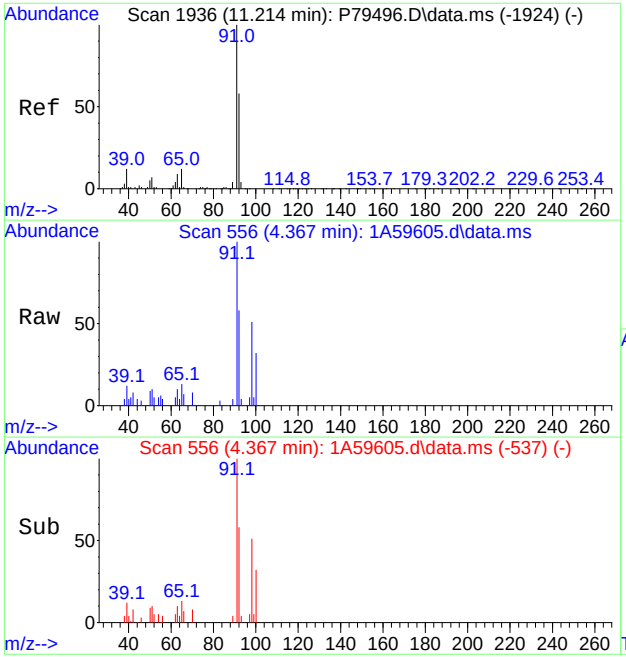


#54
Methylcyclohexane
Concen: 10.4889 ug/L
RT: 3.528 min Scan# 447
Delta R.T. 0.008 min
Lab File: 1A59605.d
Acq: 1 Oct 2024 11:58 am

Tgt Ion: 83 Resp: 21120

Ion	Ratio	Lower	Upper
83	100		
55	90.1	63.8	103.8
98	44.6	23.5	63.5
42	28.7	9.4	49.4

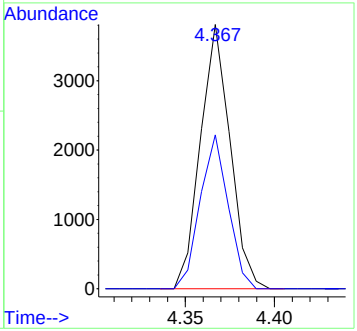


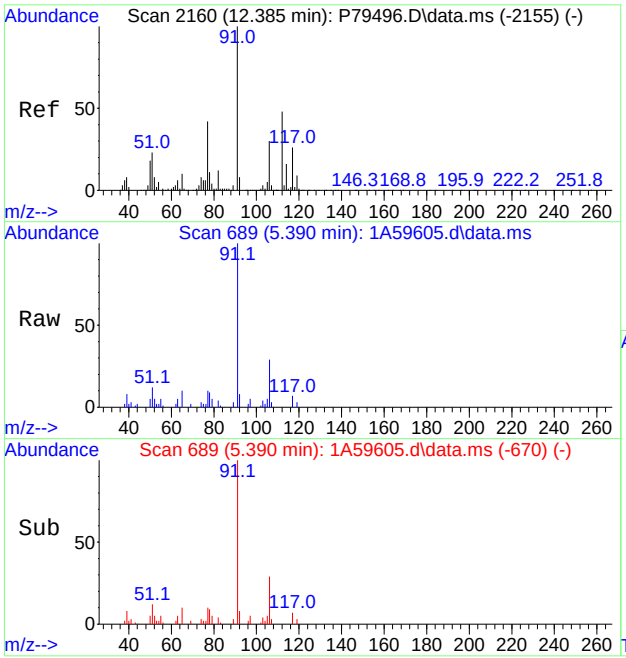


#64
Toluene
Concen: 0.8495 ug/L
RT: 4.367 min Scan# 556
Delta R.T. -0.000 min
Lab File: 1A59605.d
Acq: 1 Oct 2024 11:58 am

Tgt Ion: 91 Resp: 4440

Ion	Ratio	Lower	Upper
91	100		
92	58.2	28.2	88.2

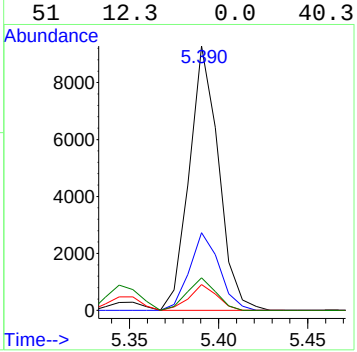


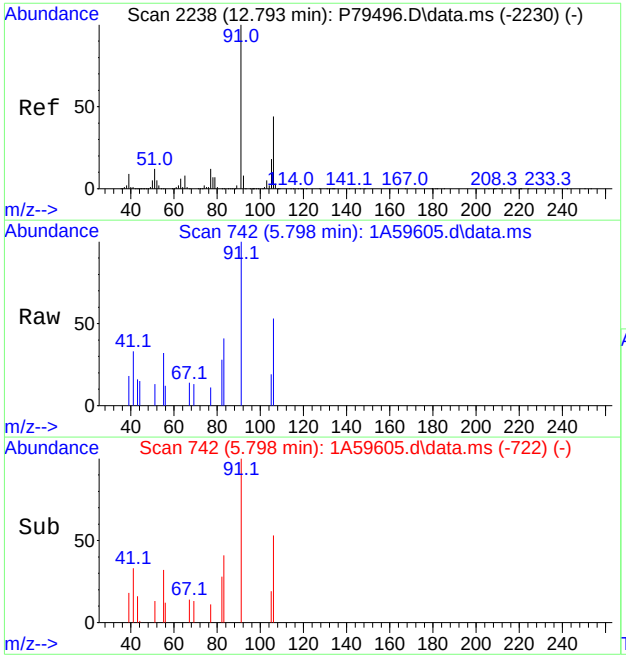


#77
Ethylbenzene
Concen: 1.8174 ug/L
RT: 5.390 min Scan# 689
Delta R.T. -0.001 min
Lab File: 1A59605.d
Acq: 1 Oct 2024 11:58 am

Tgt Ion: 91 Resp: 10637

Ion	Ratio	Lower	Upper
91	100		
106	29.4	0.4	60.4
65	9.8	0.0	38.5
51	12.3	0.0	40.3

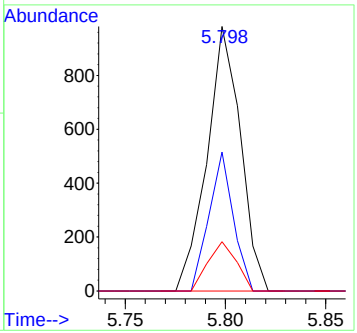


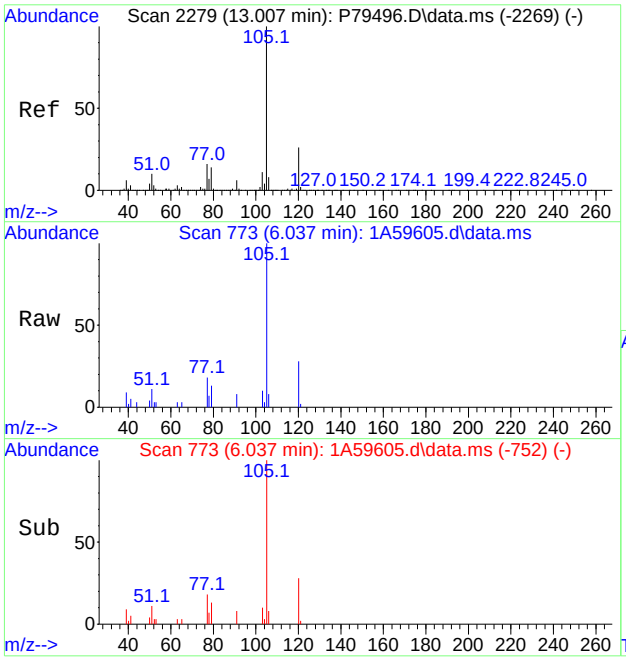


#81
o-Xylene
Concen: 0.2541 ug/L
RT: 5.798 min Scan# 742
Delta R.T. 0.000 min
Lab File: 1A59605.d
Acq: 1 Oct 2024 11:58 am

Tgt Ion: 91 Resp: 1142

Ion	Ratio	Lower	Upper
91	100		
106	52.5	15.9	75.9
105	18.6	0.0	49.1

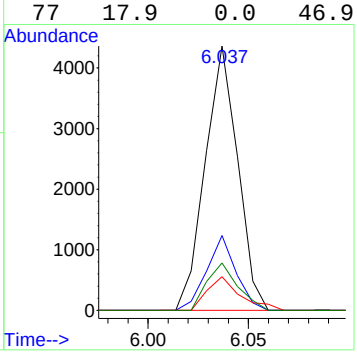


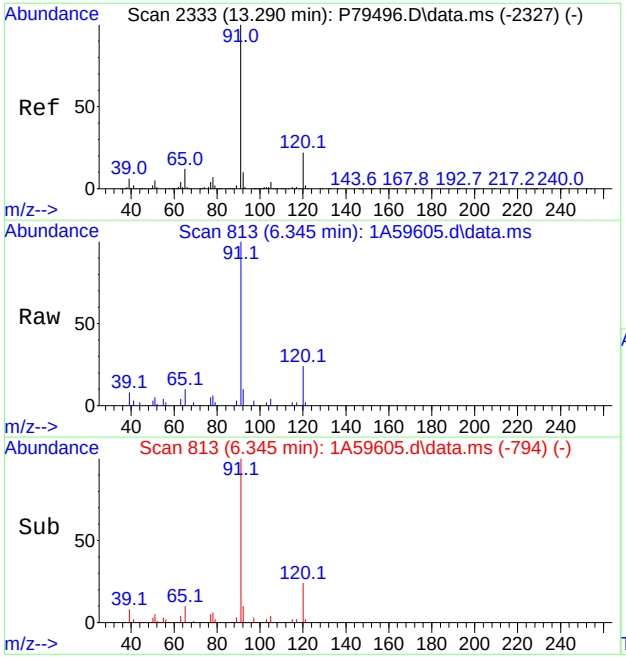


#84
Isopropylbenzene
Concen: 0.9504 ug/L
RT: 6.037 min Scan# 773
Delta R.T. 0.008 min
Lab File: 1A59605.d
Acq: 1 Oct 2024 11:58 am

Tgt Ion:105 Resp: 4931

Ion	Ratio	Lower	Upper
105	100		
120	28.3	0.0	56.5
79	12.7	0.0	42.4
77	17.9	0.0	46.9

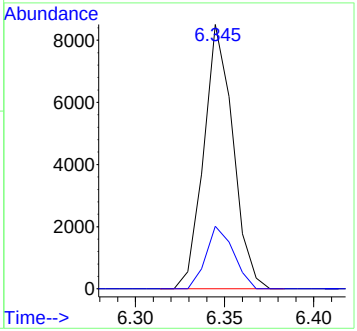


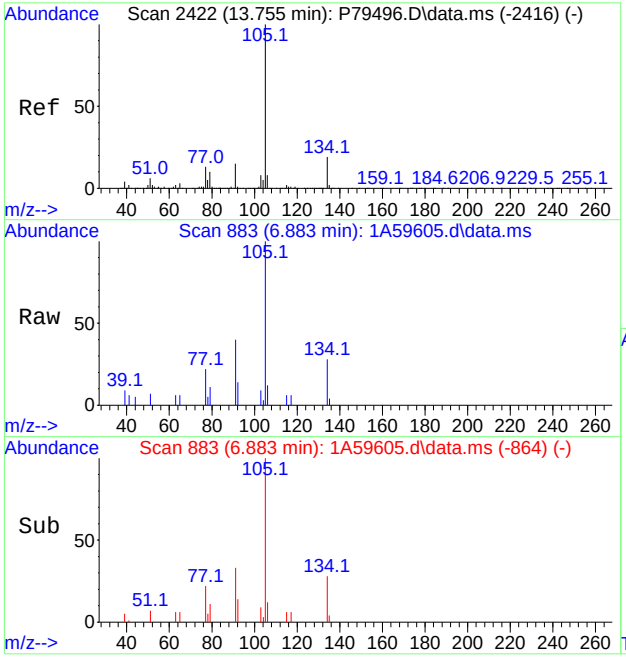


#88
n-Propylbenzene
Concen: 1.5076 ug/L
RT: 6.345 min Scan# 813
Delta R.T. -0.000 min
Lab File: 1A59605.d
Acq: 1 Oct 2024 11:58 am

Tgt Ion: 91 Resp: 9725

Ion	Ratio	Lower	Upper
91	100		
120	23.7	0.0	53.4

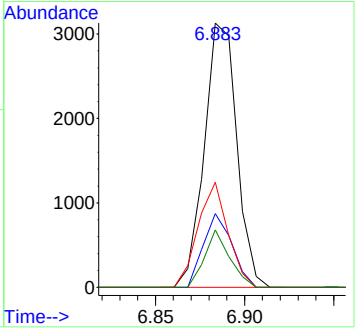


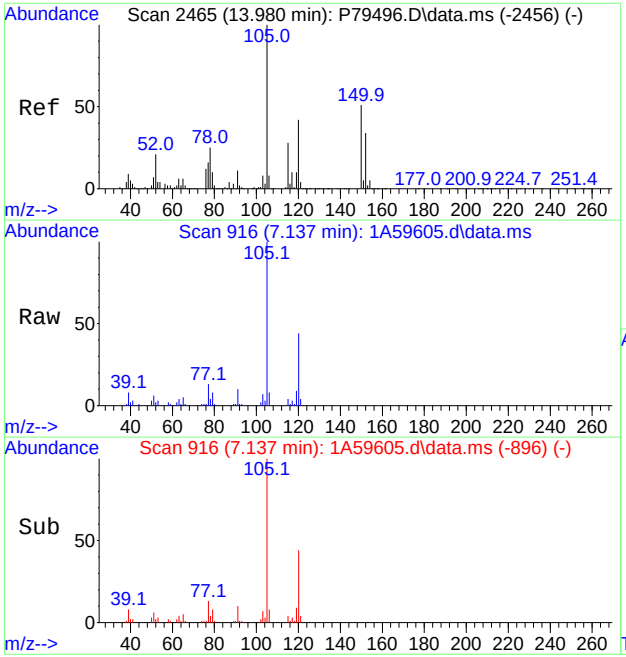


#100
sec-Butylbenzene
Concen: 0.7719 ug/L
RT: 6.883 min Scan# 883
Delta R.T. -0.001 min
Lab File: 1A59605.d
Acq: 1 Oct 2024 11:58 am

Tgt Ion:105 Resp: 3989

Ion	Ratio	Lower	Upper
105	100		
134	27.9	0.0	50.5
91	39.8	0.0	46.2
77	21.8	0.0	43.1

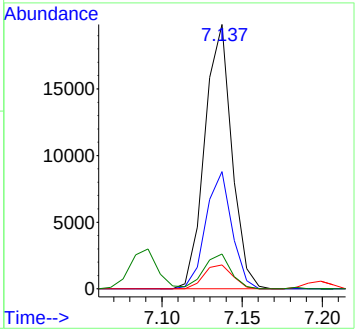


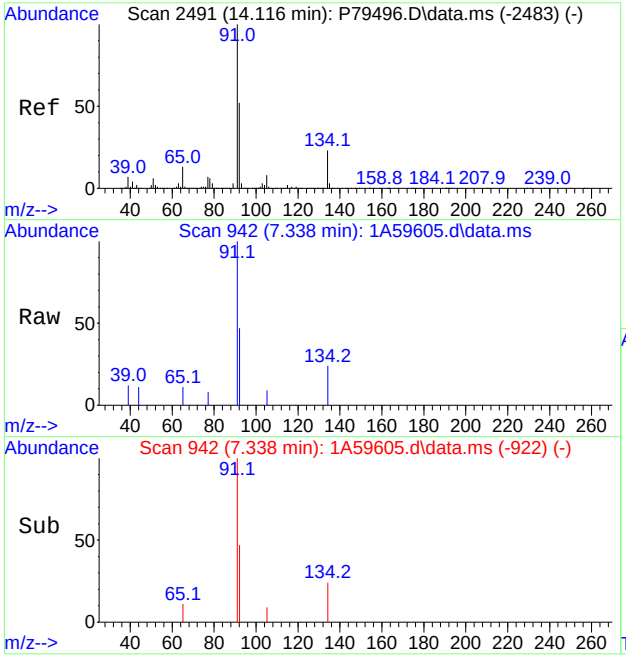


#103
1,2,3-Trimethylbenzene
Concen: 6.0680 ug/L
RT: 7.137 min Scan# 916
Delta R.T. 0.007 min
Lab File: 1A59605.d
Acq: 1 Oct 2024 11:58 am

Tgt Ion:105 Resp: 23288

Ion	Ratio	Lower	Upper
105	100		
120	44.3	11.4	71.4
119	9.1	0.0	39.9
77	13.2	0.0	43.2

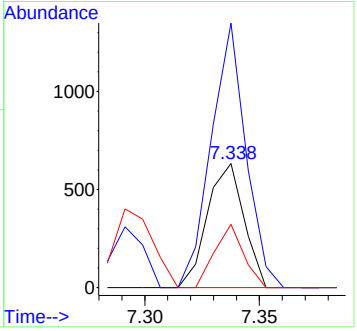


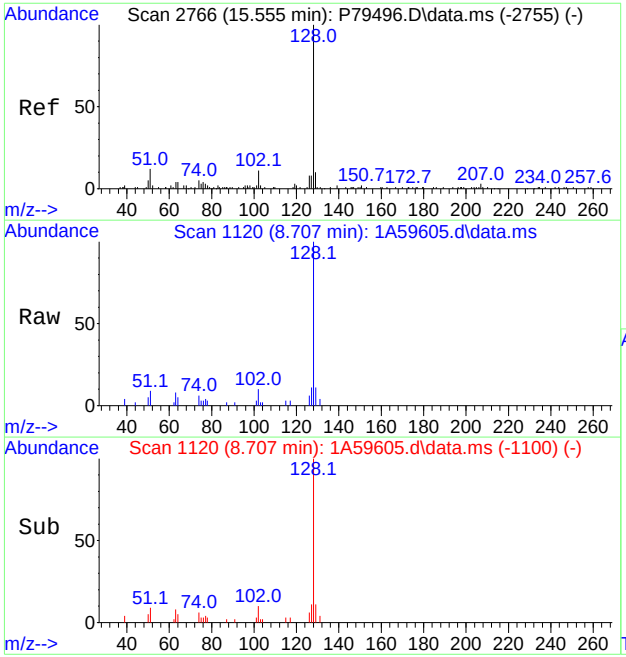


#105
n-Butylbenzene
Concen: 0.3350 ug/L
RT: 7.338 min Scan# 942
Delta R.T. 0.008 min
Lab File: 1A59605.d
Acq: 1 Oct 2024 11:58 am

Tgt Ion: 92 Resp: 703

Ion	Ratio	Lower	Upper
92	100		
91	213.4	162.7	222.7
134	51.1	17.3	77.3

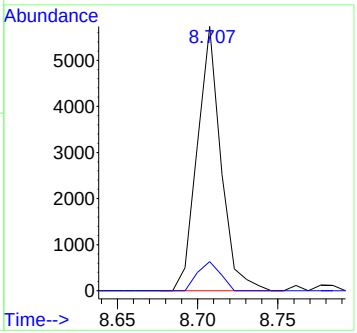




#111
Naphthalene
Concen: 3.7758 ug/L
RT: 8.707 min Scan# 1120
Delta R.T. 0.007 min
Lab File: 1A59605.d
Acq: 1 Oct 2024 11:58 am

Tgt Ion:128 Resp: 5889

Ion	Ratio	Lower	Upper
128	100		
127	11.1	0.0	42.8



Quantitation Report (QT Reviewed)

Data Path : X:\Orlando VOA\LauraB\10. October\01102024\V1A3062\
Data File : 1A59598.d
Acq On : 1 Oct 2024 9:09 am
Operator : jeniferw
Sample : FC19116-7 Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 01 20:46:30 2024
Quant Method : X:\Orlando VOA\LauraB\10. October\01102024\V1A3062\method\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.397	96	235852	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.352	117	169191	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.091	152	86616	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	2.951	113	68404	50.85	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.70%			
49) 1,2-Dichloroethane-d4	3.235	65	79179	53.51	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 107.02%			
63) Toluene-d8	4.336	98	231033	48.50	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 97.00%			
86) 4-Bromofluorobenzene	6.229	174	71407	50.10	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.20%			

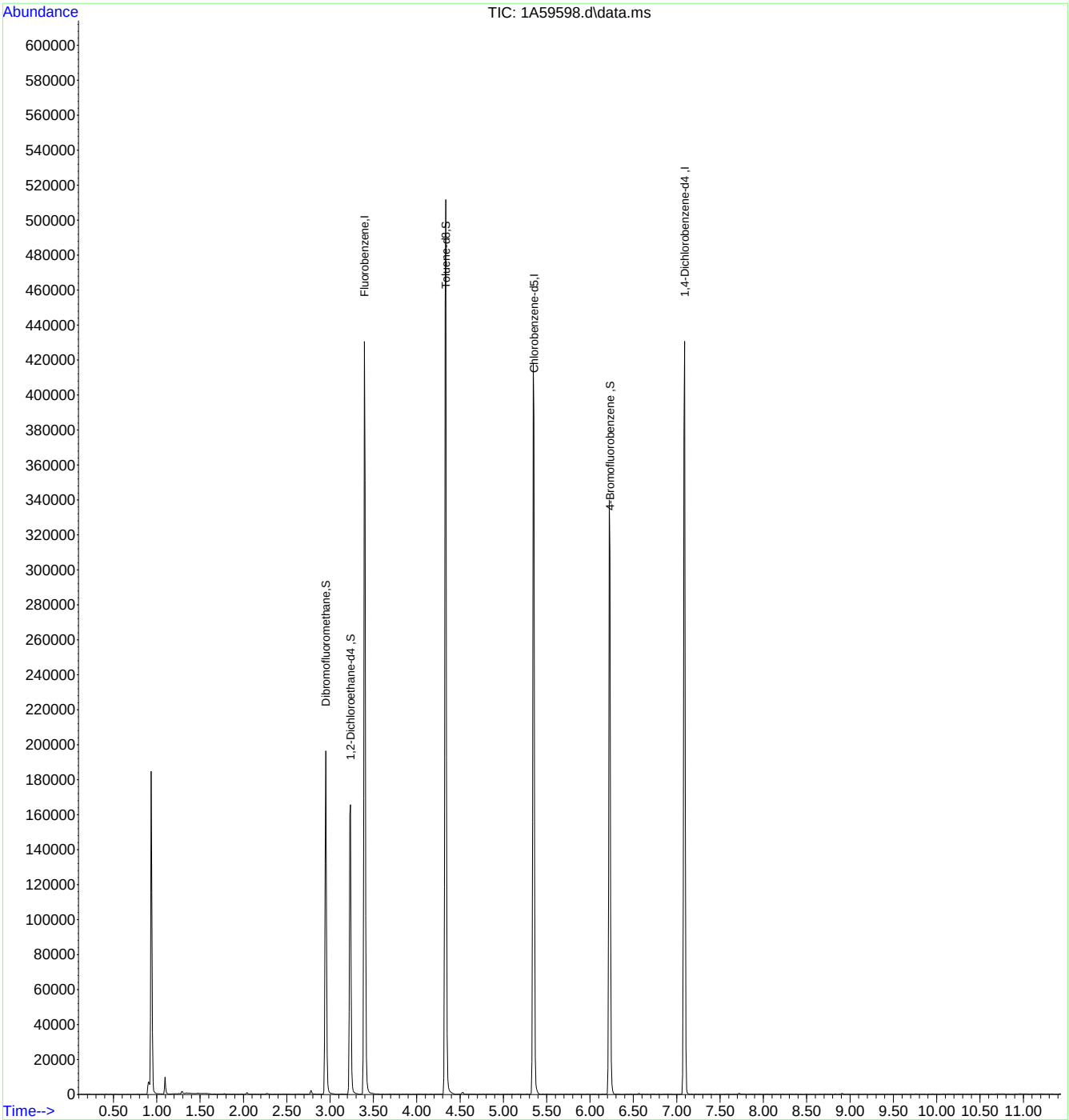
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : X:\Orlando VOA\LauraB\10. October\01102024\V1A3062\
Data File : 1A59598.d
Acq On : 1 Oct 2024 9:09 am
Operator : jeniferw
Sample : FC19116-7 Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 01 20:46:30 2024
Quant Method : X:\Orlando VOA\LauraB\10. October\01102024\V1A3062\method\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Orlando VOA\LauraB\10. October\01102024\V1A3062\
Data File : 1A59606.d
Acq On : 1 Oct 2024 12:22 pm
Operator : jeniferw
Sample : FC19116-8 Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 01 20:57:24 2024
Quant Method : X:\Orlando VOA\LauraB\10. October\01102024\V1A3062\method\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration

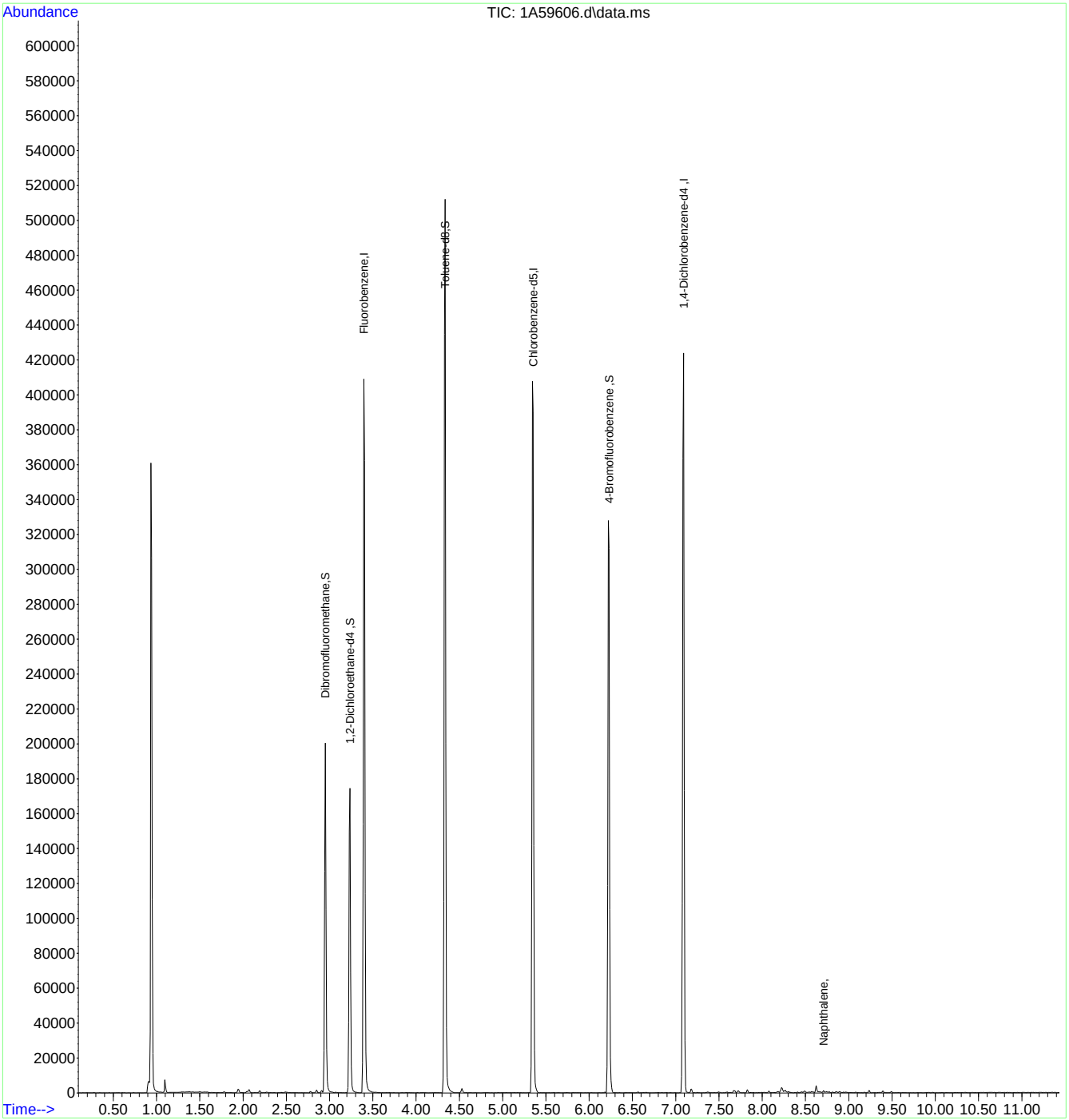
Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) Fluorobenzene		3.397	96	233013	50.00	ug/L	0.00
62) Chlorobenzene-d5		5.352	117	167414	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4		7.091	152	84336	50.00	ug/L	0.00
System Monitoring Compounds							
39) Dibromofluoromethane		2.951	113	68847	51.80	ug/L	0.00
Spiked Amount	50.000	Range 83 - 118		Recovery =	103.60%		
49) 1,2-Dichloroethane-d4		3.235	65	77780	53.21	ug/L	0.00
Spiked Amount	50.000	Range 79 - 125		Recovery =	106.42%		
63) Toluene-d8		4.336	98	228521	48.48	ug/L	0.00
Spiked Amount	50.000	Range 85 - 112		Recovery =	96.96%		
86) 4-Bromofluorobenzene		6.229	174	69902	50.37	ug/L	0.00
Spiked Amount	50.000	Range 83 - 118		Recovery =	100.74%		
Target Compounds							Qvalue
111) Naphthalene		8.708	128	820	0.5601	ug/L	100

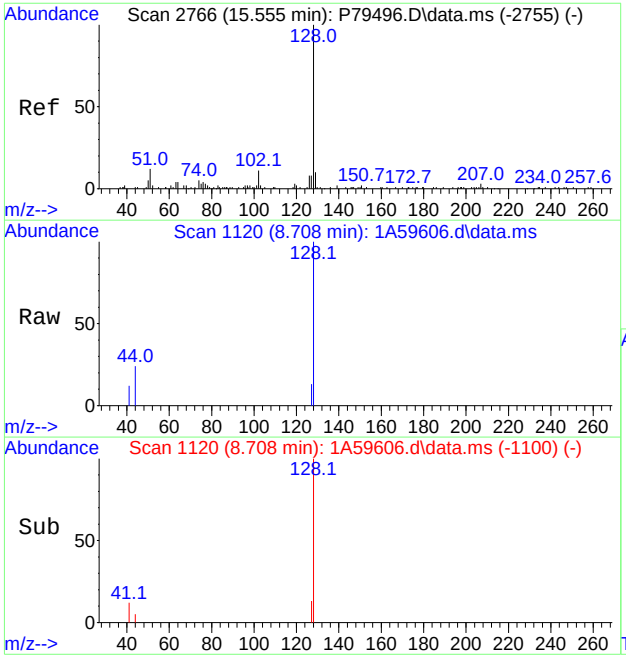
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Orlando VOA\LauraB\10. October\01102024\V1A3062\
Data File : 1A59606.d
Acq On : 1 Oct 2024 12:22 pm
Operator : jeniferw
Sample : FC19116-8 Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 01 20:57:24 2024
Quant Method : X:\Orlando VOA\LauraB\10. October\01102024\V1A3062\method\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration

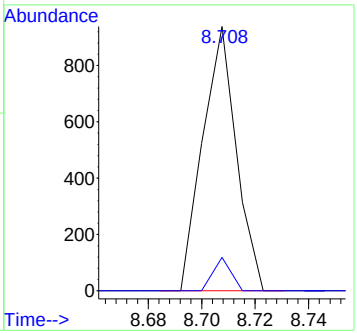




#111
Naphthalene
Concen: 0.5601 ug/L
RT: 8.708 min Scan# 1120
Delta R.T. 0.008 min
Lab File: 1A59606.d
Acq: 1 Oct 2024 12:22 pm

Tgt Ion:128 Resp: 820

Ion	Ratio	Lower	Upper
128	100		
127	12.7	0.0	42.8



Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
10/01/24 08:55

Quantitation Report (QT Reviewed)

Data Path : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\
Data File : 1A59557.d
Acq On : 29 Sep 2024 8:15 pm
Operator : jeniferw
Sample : FC19116-9 Inst : MSVOA17-1A_2A
Misc : MS57599,V1A3060,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 30 02:28:48 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\method\V1A3047_09182024
... .M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration

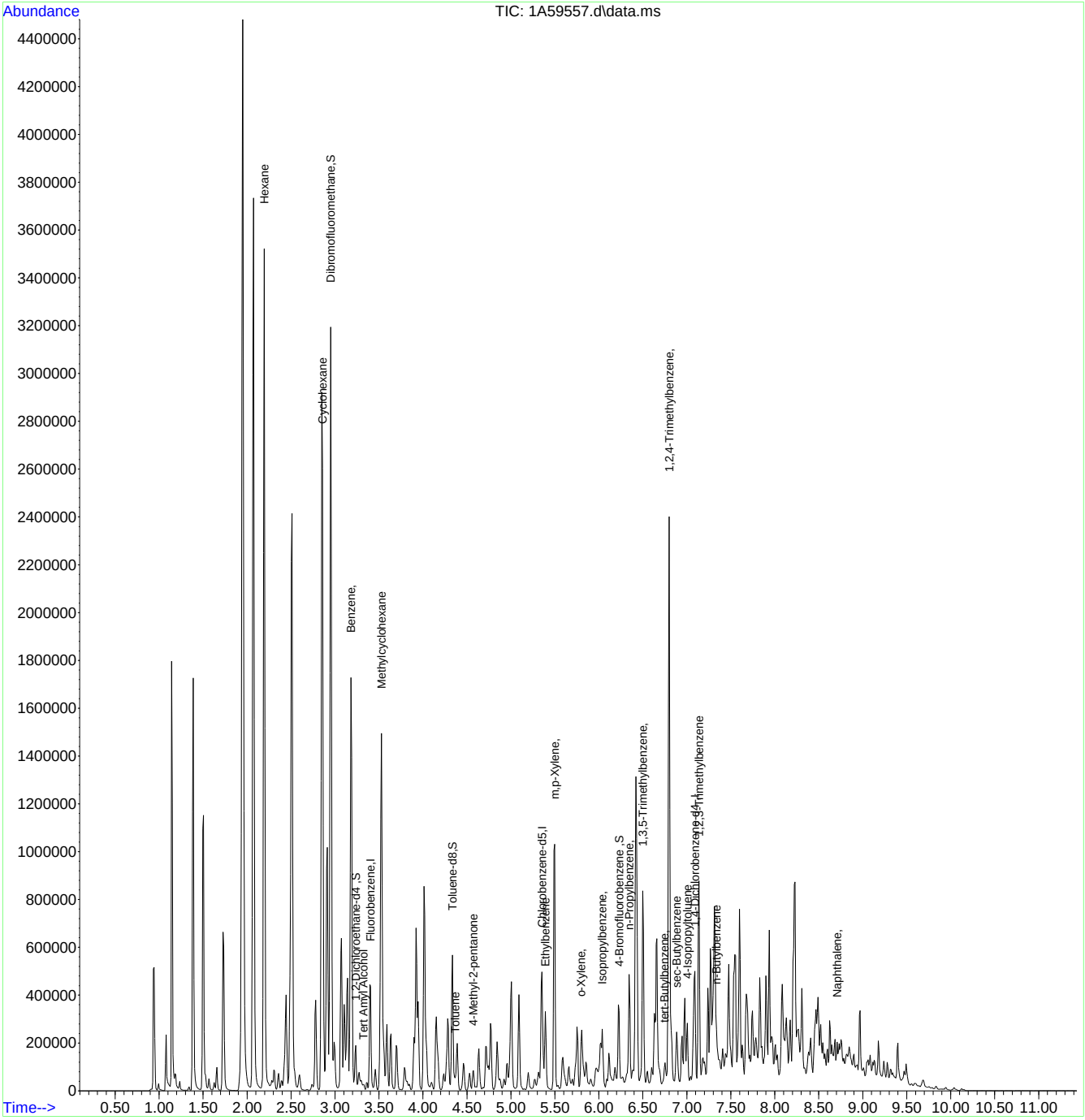
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.405	96	248850	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.352	117	175014	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.091	152	86092	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	2.951	113	69554	49.00	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.00%			
49) 1,2-Dichloroethane-d4	3.235	65	79175	50.71	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 101.42%			
63) Toluene-d8	4.336	98	240374	48.78	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 97.56%			
86) 4-Bromofluorobenzene	6.229	174	72878	51.44	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.88%			
Target Compounds						Qvalue
22) Hexane	2.196	56	474682	437.0610	ug/L #	72
35) Cyclohexane	2.858	56	489210	234.2300	ug/L #	73
47) Benzene	3.182	78	394160	80.9277	ug/L	92
52) Tert Amyl Alcohol	3.320	59	2997	75.0632	ug/L	82
54) Methylcyclohexane	3.528	83	354537	173.8793	ug/L	97
64) Toluene	4.367	91	11826	2.2420	ug/L	96
66) 4-Methyl-2-pentanone	4.575	43	27069	33.0814	ug/L	73
77) Ethylbenzene	5.390	91	114594	19.4012	ug/L	97
80) m,p-Xylene	5.498	91	433450	96.4567	ug/L	99
81) o-Xylene	5.798	91	23982	5.2869	ug/L	96
84) Isopropylbenzene	6.037	105	56351	10.7625	ug/L	99
88) n-Propylbenzene	6.345	91	186363	29.8537	ug/L	98
91) 1,3,5-Trimethylbenzene	6.499	105	299365	76.6971	ug/L	95
97) tert-Butylbenzene	6.745	91	3748	1.5926	ug/L #	1
98) 1,2,4-Trimethylbenzene	6.799	105	852127	231.1497	ug/L	97
100) sec-Butylbenzene	6.884	105	59018m	11.8013	ug/L	
101) 4-Isopropyltoluene	7.007	119	45688m	11.3219	ug/L	
103) 1,2,3-Trimethylbenzene	7.138	105	338279	91.0788	ug/L	99
105) n-Butylbenzene	7.338	92	40125	19.7554	ug/L	98
111) Naphthalene	8.708	128	41900	25.9771	ug/L	98

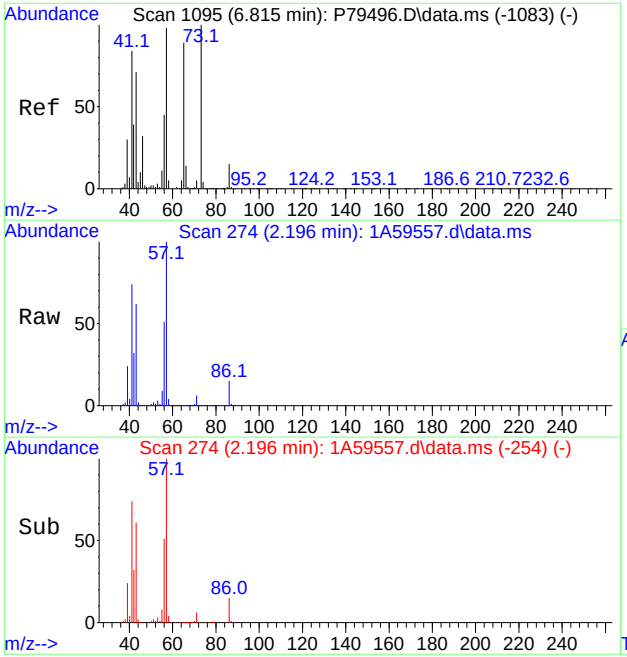
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\
Data File : 1A59557.d
Acq On : 29 Sep 2024 8:15 pm
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... .M
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Response via : Initial Calibration

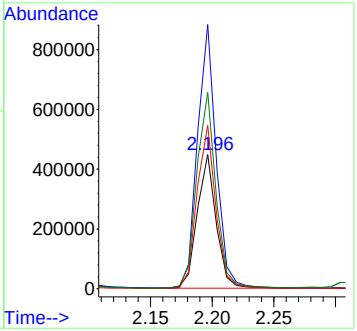


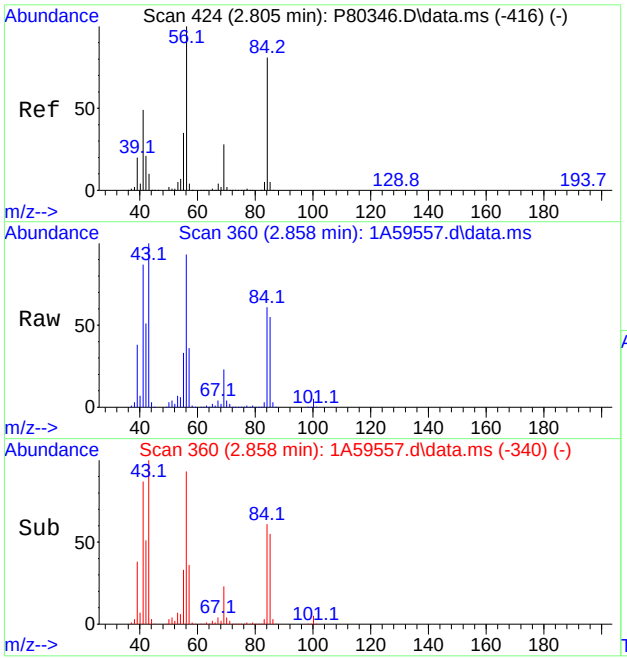


#22
Hexane
Concen: 437.0610 ug/L
RT: 2.196 min Scan# 274
Delta R.T. 0.007 min
Lab File: 1A59557.d
Acq: 29 Sep 2024 8:15 pm

Tgt Ion: 56 Resp: 474682

Ion	Ratio	Lower	Upper
56	100		
57	197.2	214.7	254.7#
43	122.0	147.4	187.4#
41	146.6	172.3	212.3#

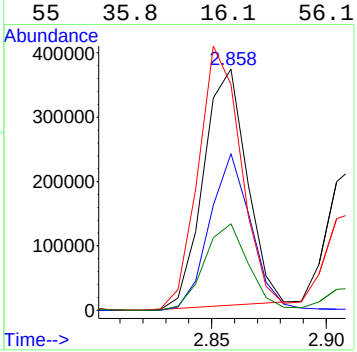


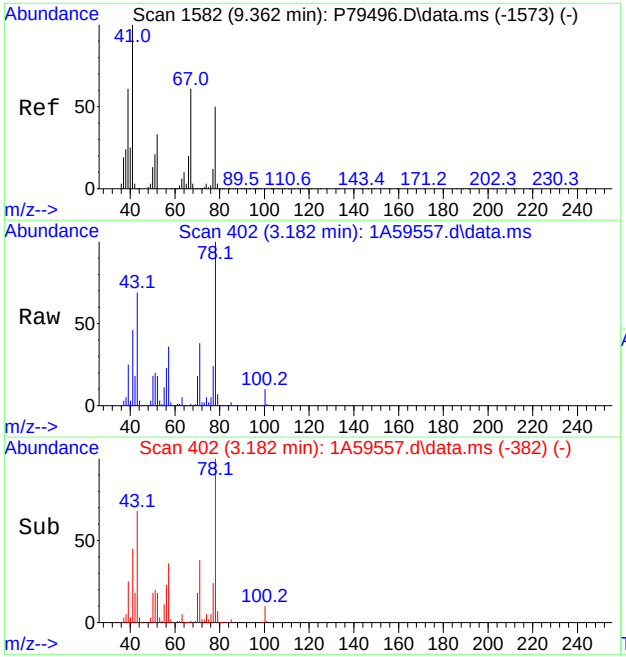


#35
Cyclohexane
Concen: 234.2300 ug/L
RT: 2.858 min Scan# 360
Delta R.T. 0.000 min
Lab File: 1A59557.d
Acq: 29 Sep 2024 8:15 pm

Tgt Ion: 56 Resp: 489210

Ion	Ratio	Lower	Upper
56	100		
84	65.1	65.0	105.0
41	93.3	35.3	75.3#
55	35.8	16.1	56.1

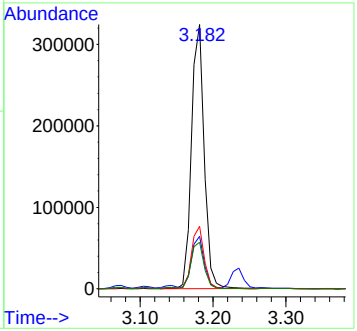


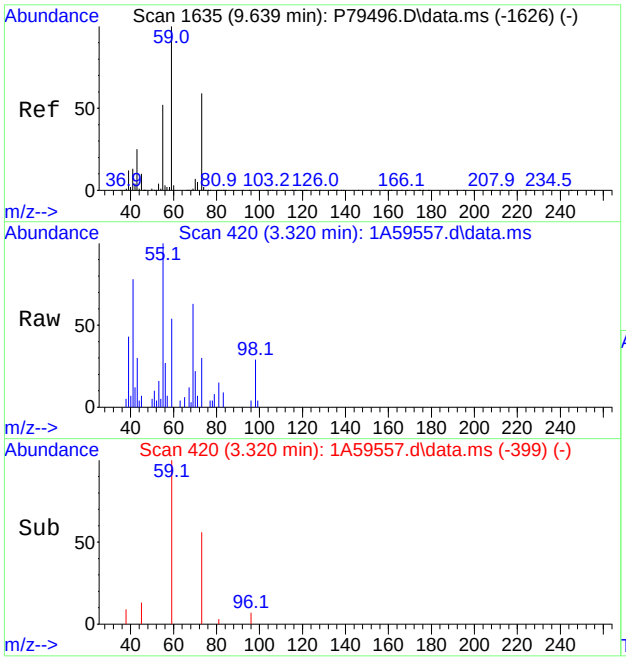


#47
Benzene
Concen: 80.9277 ug/L
RT: 3.182 min Scan# 402
Delta R.T. 0.008 min
Lab File: 1A59557.d
Acq: 29 Sep 2024 8:15 pm

Tgt Ion: 78 Resp: 394160

Ion	Ratio	Lower	Upper
78	100		
51	19.5	0.0	52.8
77	23.5	0.0	53.3
52	17.5	0.0	55.6

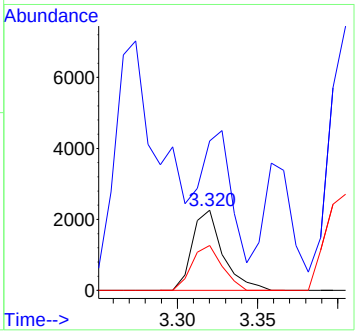


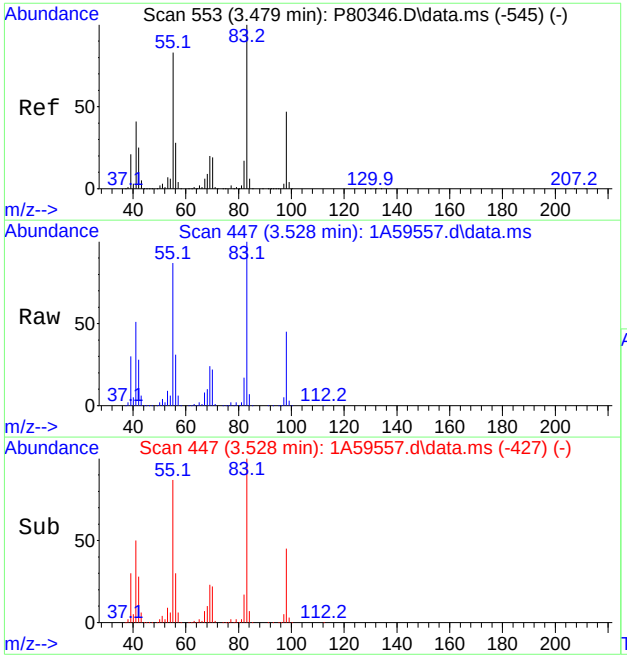


#52
Tert Amyl Alcohol
Concen: 75.0632 ug/L
RT: 3.320 min Scan# 420
Delta R.T. 0.008 min
Lab File: 1A59557.d
Acq: 29 Sep 2024 8:15 pm

Tgt Ion: 59 Resp: 2997

Ion	Ratio	Lower	Upper
59	100		
55	36.7	28.8	88.8
73	56.1	22.9	82.9

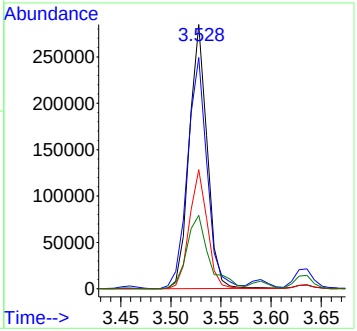


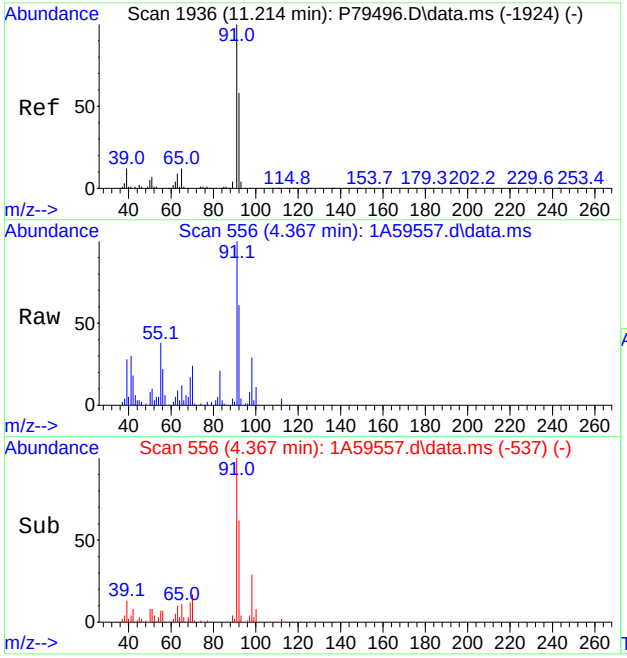


#54
Methylcyclohexane
Concen: 173.8793 ug/L
RT: 3.528 min Scan# 447
Delta R.T. 0.008 min
Lab File: 1A59557.d
Acq: 29 Sep 2024 8:15 pm

Tgt Ion: 83 Resp: 354537

Ion	Ratio	Lower	Upper
83	100		
55	87.3	63.8	103.8
98	45.1	23.5	63.5
42	27.7	9.4	49.4

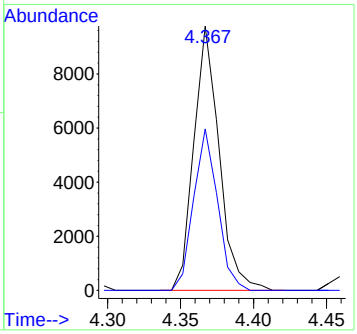


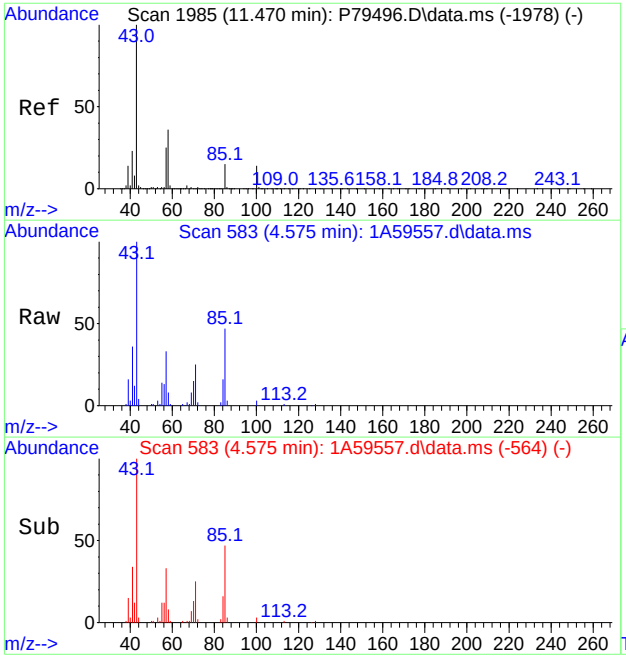


#64
Toluene
Concen: 2.2420 ug/L
RT: 4.367 min Scan# 556
Delta R.T. -0.000 min
Lab File: 1A59557.d
Acq: 29 Sep 2024 8:15 pm

Tgt Ion: 91 Resp: 11826

Ion	Ratio	Lower	Upper
91	100		
92	61.1	28.2	88.2

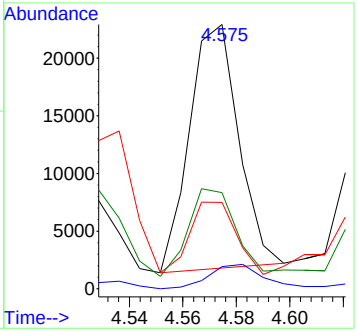


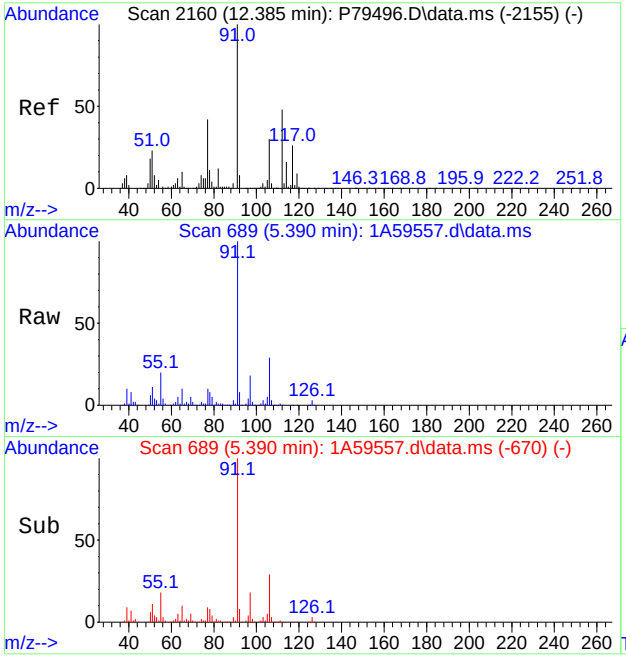


#66
4-Methyl-2-pentanone
Concen: 33.0814 ug/L
RT: 4.575 min Scan# 583
Delta R.T. -0.000 min
Lab File: 1A59557.d
Acq: 29 Sep 2024 8:15 pm

Tgt Ion: 43 Resp: 27069

Ion	Ratio	Lower	Upper
43	100		
58	8.9	8.7	68.7
57	28.3	0.0	55.5
41	33.7	0.0	55.3

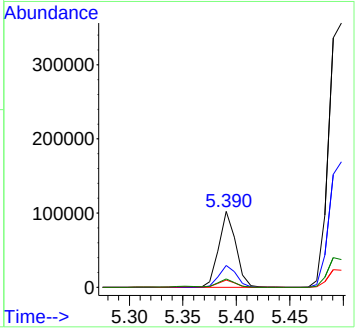


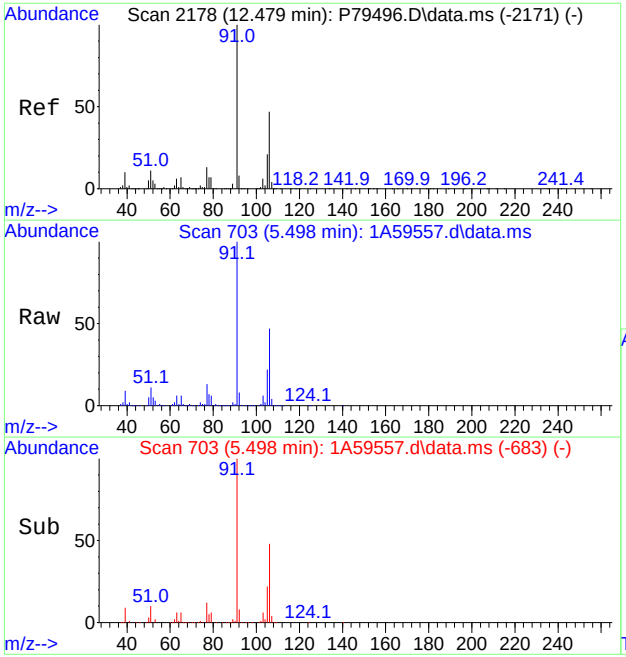


#77
Ethylbenzene
Concen: 19.4012 ug/L
RT: 5.390 min Scan# 689
Delta R.T. -0.001 min
Lab File: 1A59557.d
Acq: 29 Sep 2024 8:15 pm

Tgt Ion: 91 Resp: 114594

Ion	Ratio	Lower	Upper
91	100		
106	29.0	0.4	60.4
65	9.7	0.0	38.5
51	11.2	0.0	40.3

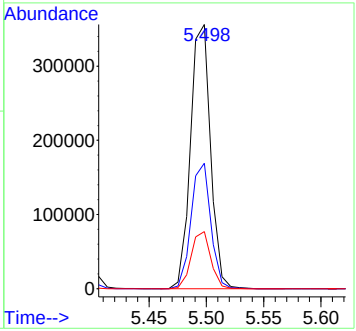


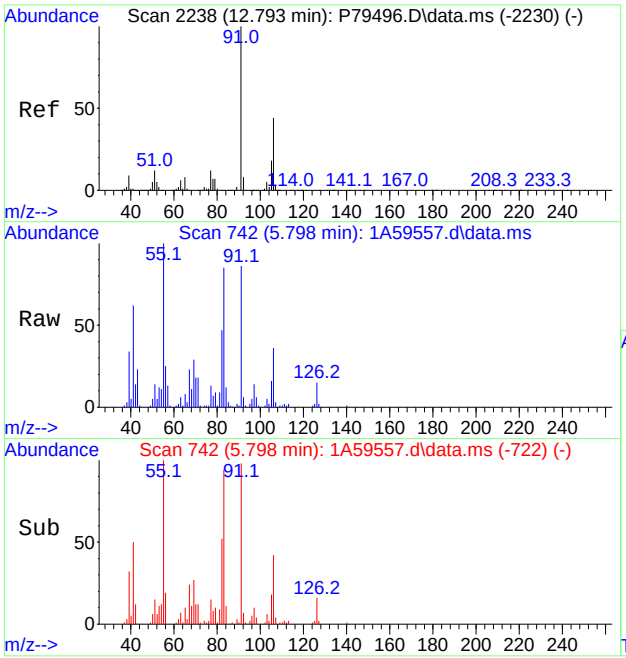


#80
m,p-Xylene
Concen: 96.4567 ug/L
RT: 5.498 min Scan# 703
Delta R.T. 0.007 min
Lab File: 1A59557.d
Acq: 29 Sep 2024 8:15 pm

Tgt Ion: 91 Resp: 433450

Ion	Ratio	Lower	Upper
91	100		
106	47.5	16.7	76.7
105	21.7	0.0	52.0

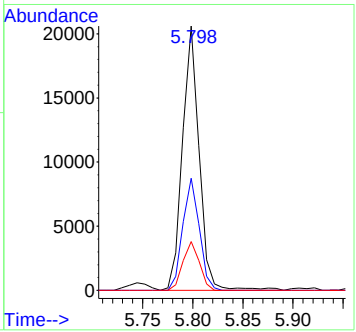


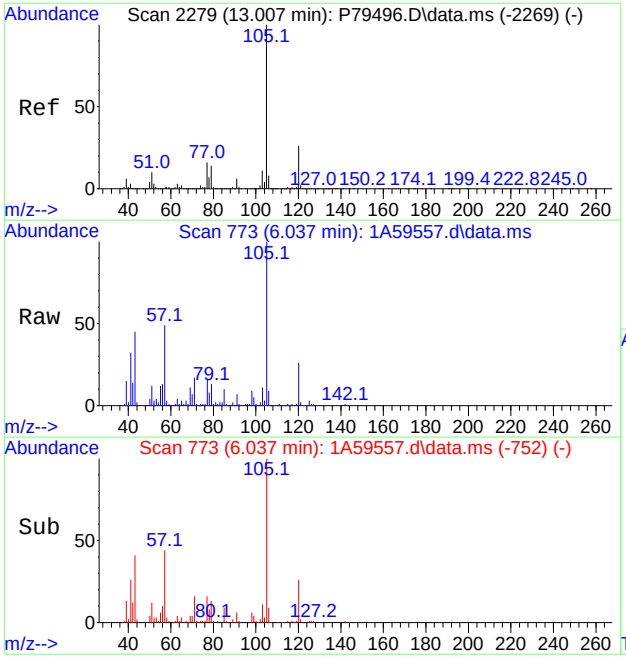


#81
o-Xylene
Concen: 5.2869 ug/L
RT: 5.798 min Scan# 742
Delta R.T. 0.000 min
Lab File: 1A59557.d
Acq: 29 Sep 2024 8:15 pm

Tgt Ion: 91 Resp: 23982

Ion	Ratio	Lower	Upper
91	100		
106	42.4	15.9	75.9
105	18.5	0.0	49.1

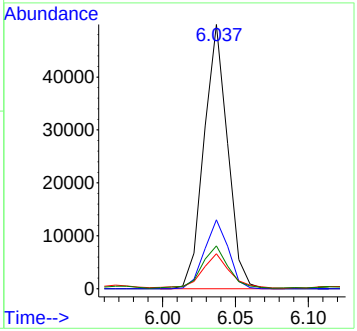


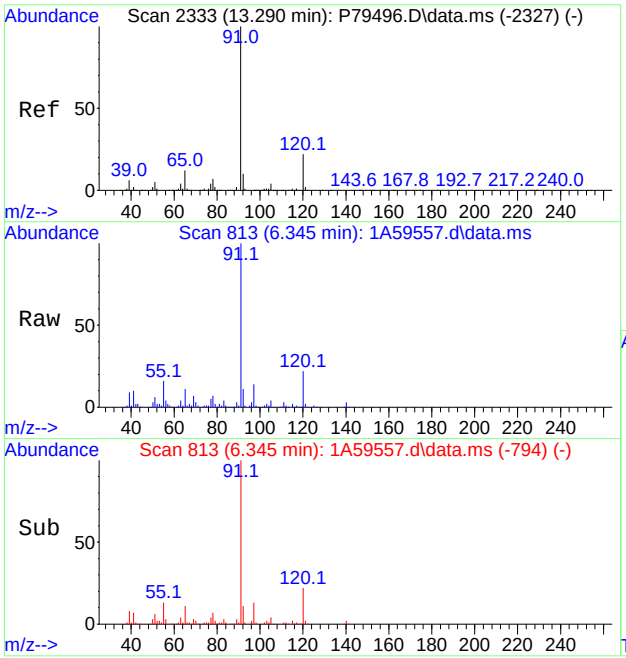


#84
Isopropylbenzene
Concen: 10.7625 ug/L
RT: 6.037 min Scan# 773
Delta R.T. 0.008 min
Lab File: 1A59557.d
Acq: 29 Sep 2024 8:15 pm

Tgt Ion:105 Resp: 56351

Ion	Ratio	Lower	Upper
105	100		
120	26.1	0.0	56.5
79	13.0	0.0	42.4
77	15.9	0.0	46.9

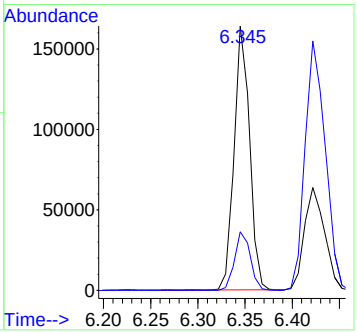


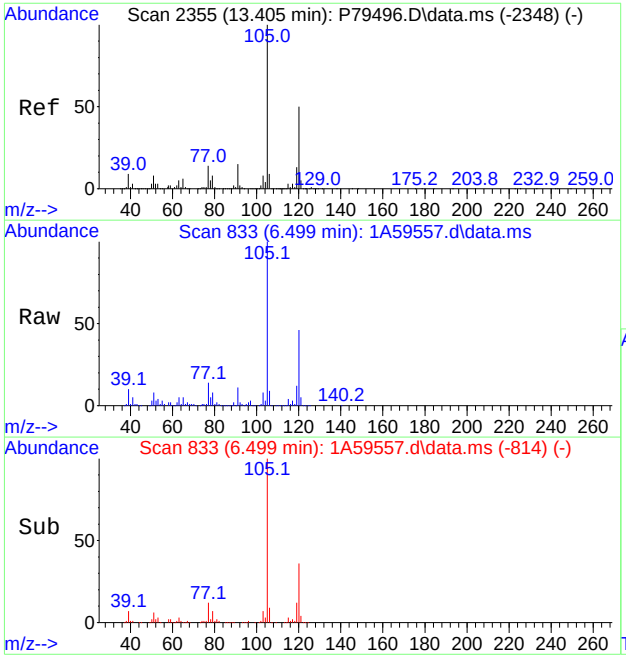


#88
n-Propylbenzene
Concen: 29.8537 ug/L
RT: 6.345 min Scan# 813
Delta R.T. -0.000 min
Lab File: 1A59557.d
Acq: 29 Sep 2024 8:15 pm

Tgt Ion: 91 Resp: 186363

Ion	Ratio	Lower	Upper
91	100		
120	22.2	0.0	53.4

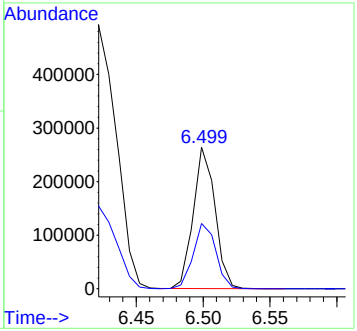


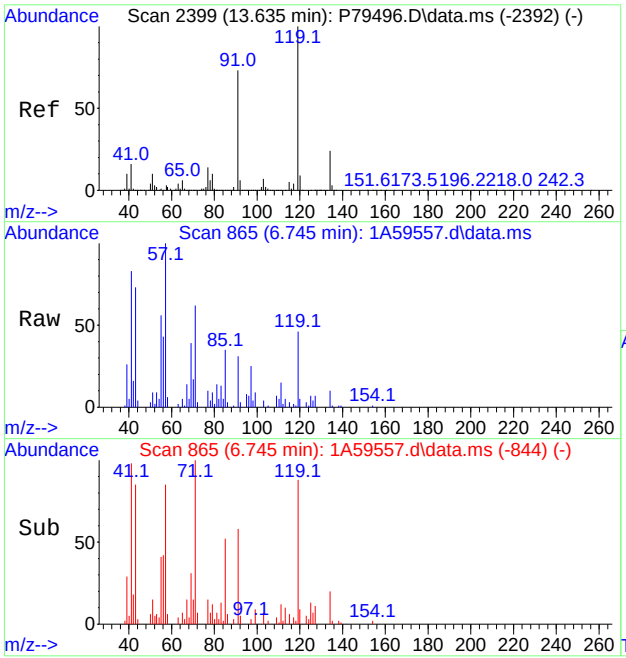


#91
1,3,5-Trimethylbenzene
Concen: 76.6971 ug/L
RT: 6.499 min Scan# 833
Delta R.T. -0.000 min
Lab File: 1A59557.d
Acq: 29 Sep 2024 8:15 pm

Tgt Ion:105 Resp: 299365

Ion	Ratio	Lower	Upper
105	100		
120	46.2	19.7	79.7

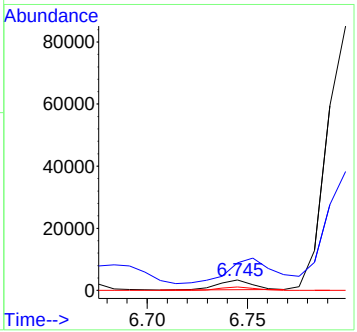


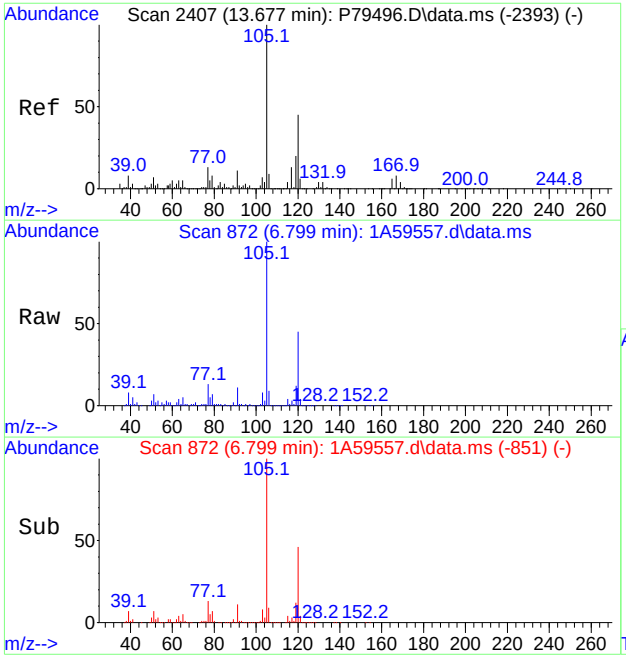


#97
tert-Butylbenzene
Concen: 1.5926 ug/L
RT: 6.745 min Scan# 865
Delta R.T. 0.008 min
Lab File: 1A59557.d
Acq: 29 Sep 2024 8:15 pm

Tgt Ion: 91 Resp: 3748

Ion	Ratio	Lower	Upper
91	100		
41	177.2	0.0	51.8#
134	34.0	5.9	65.9

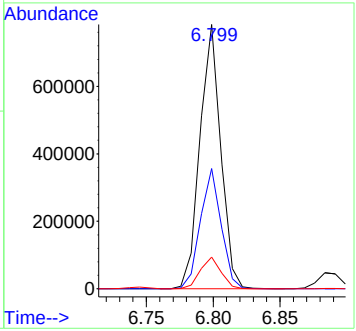


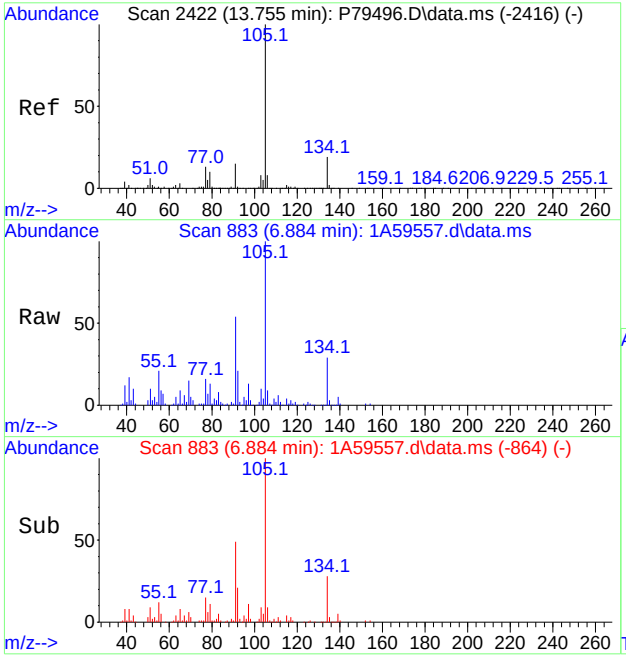


#98
1,2,4-Trimethylbenzene
Concen: 231.1497 ug/L
RT: 6.799 min Scan# 872
Delta R.T. 0.008 min
Lab File: 1A59557.d
Acq: 29 Sep 2024 8:15 pm

Tgt Ion:105 Resp: 852127

Ion	Ratio	Lower	Upper
105	100		
120	45.4	13.3	73.3
119	12.0	0.0	41.9

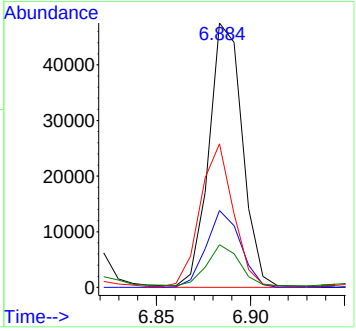


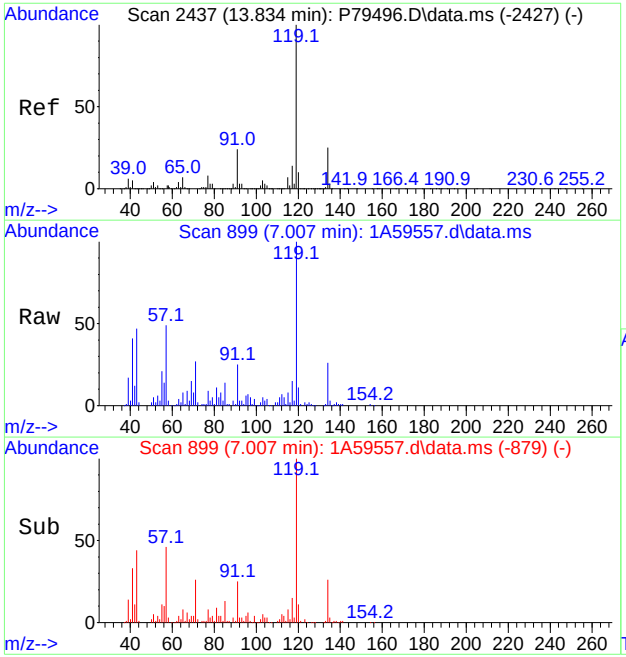


#100
sec-Butylbenzene
Concen: 11.8013 ug/L m
RT: 6.884 min Scan# 883
Delta R.T. -0.000 min
Lab File: 1A59557.d
Acq: 29 Sep 2024 8:15 pm

Tgt Ion:105 Resp: 59018

Ion	Ratio	Lower	Upper
105	100		
134	29.0	0.0	50.5
91	54.3	0.0	46.2#
77	16.1	0.0	43.1

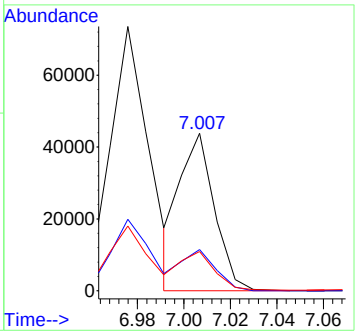


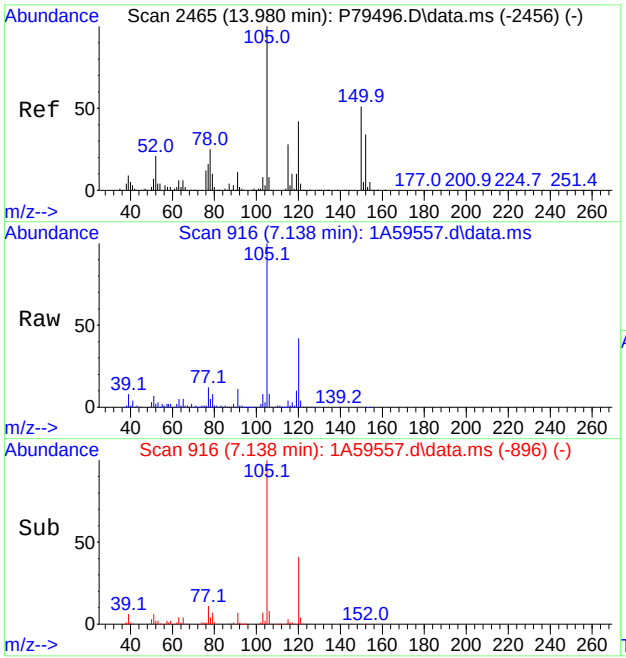


#101
4-Isopropyltoluene
Concen: 11.3219 ug/L m
RT: 7.007 min Scan# 899
Delta R.T. 0.008 min
Lab File: 1A59557.d
Acq: 29 Sep 2024 8:15 pm

Tgt Ion:119 Resp: 45688

Ion	Ratio	Lower	Upper
119	100		
134	26.2	0.0	55.5
91	25.0	0.0	55.1

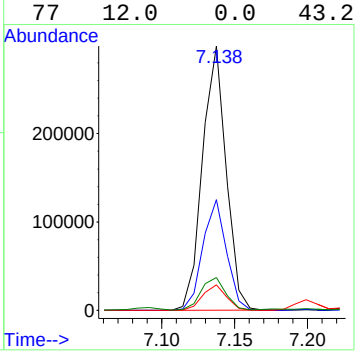


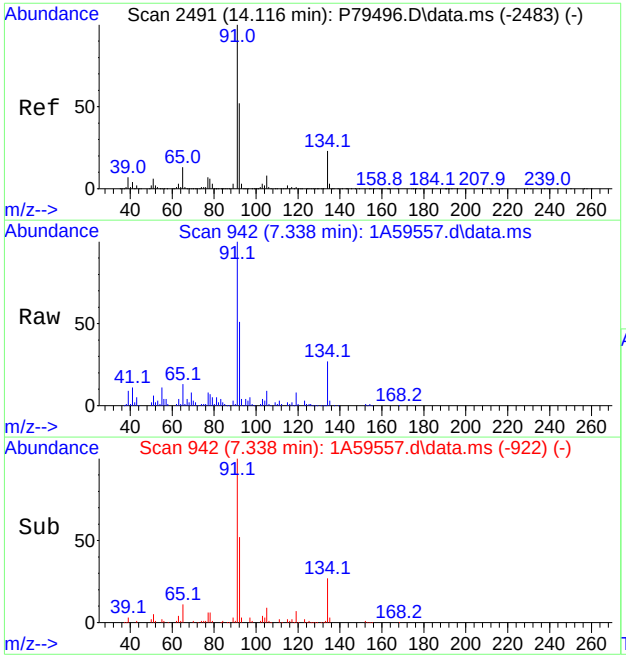


#103
1,2,3-Trimethylbenzene
Concen: 91.0788 ug/L
RT: 7.138 min Scan# 916
Delta R.T. 0.008 min
Lab File: 1A59557.d
Acq: 29 Sep 2024 8:15 pm

Tgt Ion:105 Resp: 338279

Ion	Ratio	Lower	Upper
105	100		
120	41.9	11.4	71.4
119	9.7	0.0	39.9
77	12.0	0.0	43.2

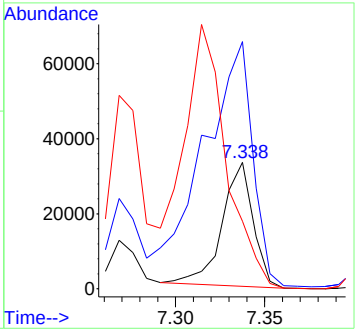


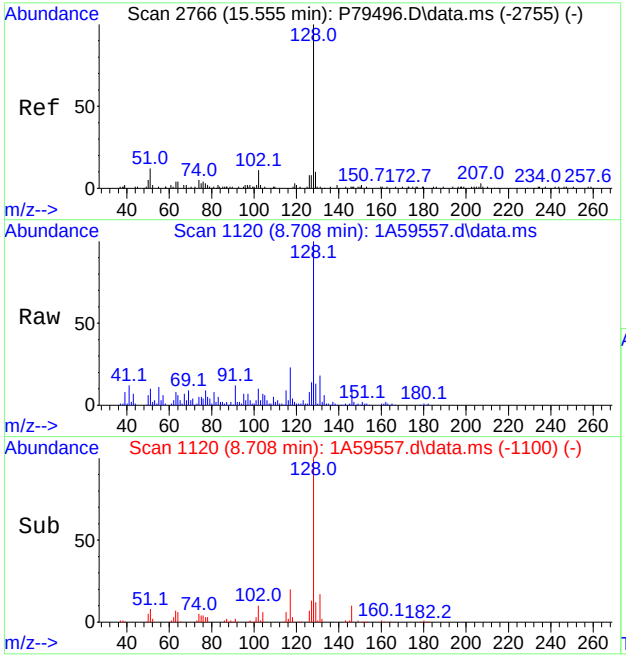


#105
n-Butylbenzene
Concen: 19.7554 ug/L
RT: 7.338 min Scan# 942
Delta R.T. 0.008 min
Lab File: 1A59557.d
Acq: 29 Sep 2024 8:15 pm

Tgt Ion: 92 Resp: 40125

Ion	Ratio	Lower	Upper
92	100		
91	194.2	162.7	222.7
134	53.0	17.3	77.3

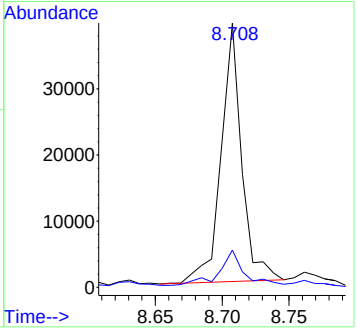




#111
Naphthalene
Concen: 25.9771 ug/L
RT: 8.708 min Scan# 1120
Delta R.T. 0.008 min
Lab File: 1A59557.d
Acq: 29 Sep 2024 8:15 pm

Tgt Ion:128 Resp: 41900

Ion	Ratio	Lower	Upper
128	100		
127	13.5	0.0	42.8



Manual Integration Approval Summary

Sample Number: FC19116-9
Lab FileID: 1A59557.D
Injection Time: 09/29/24 20:15

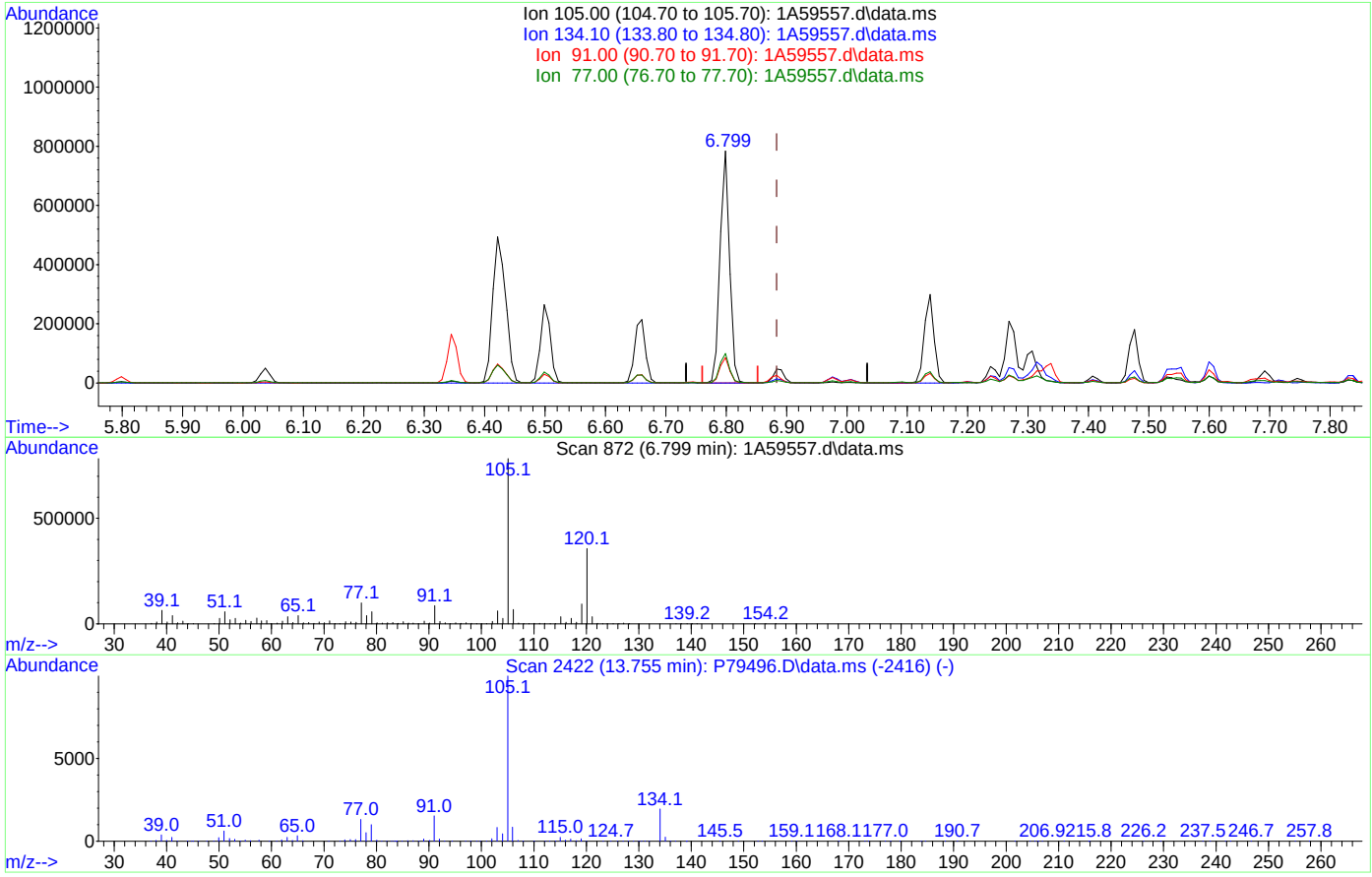
Method: SW846 8260D
Analyst approved: 09/29/24 23:14 Jhenelle Bondal
Supervisor approved: 10/01/24 08:55 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
sec-Butylbenzene	135-98-8		6.88	Missed peak
p-Isopropyltoluene	99-87-6		7.01	Missed peak

Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\
Data File : 1A59557.d
Acq On : 29 Sep 2024 8:15 pm
Operator : jeniferw
Sample : FC19116-9 Inst : MSVOA17-1A_2A
Misc : MS57599,V1A3060,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 30 02:26:54 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\method\V1A3047_09182024
... .M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration



TIC: 1A59557.d\data.ms

(100) sec-Butylbenzene

6.799min (-0.085) 170.39ug/L

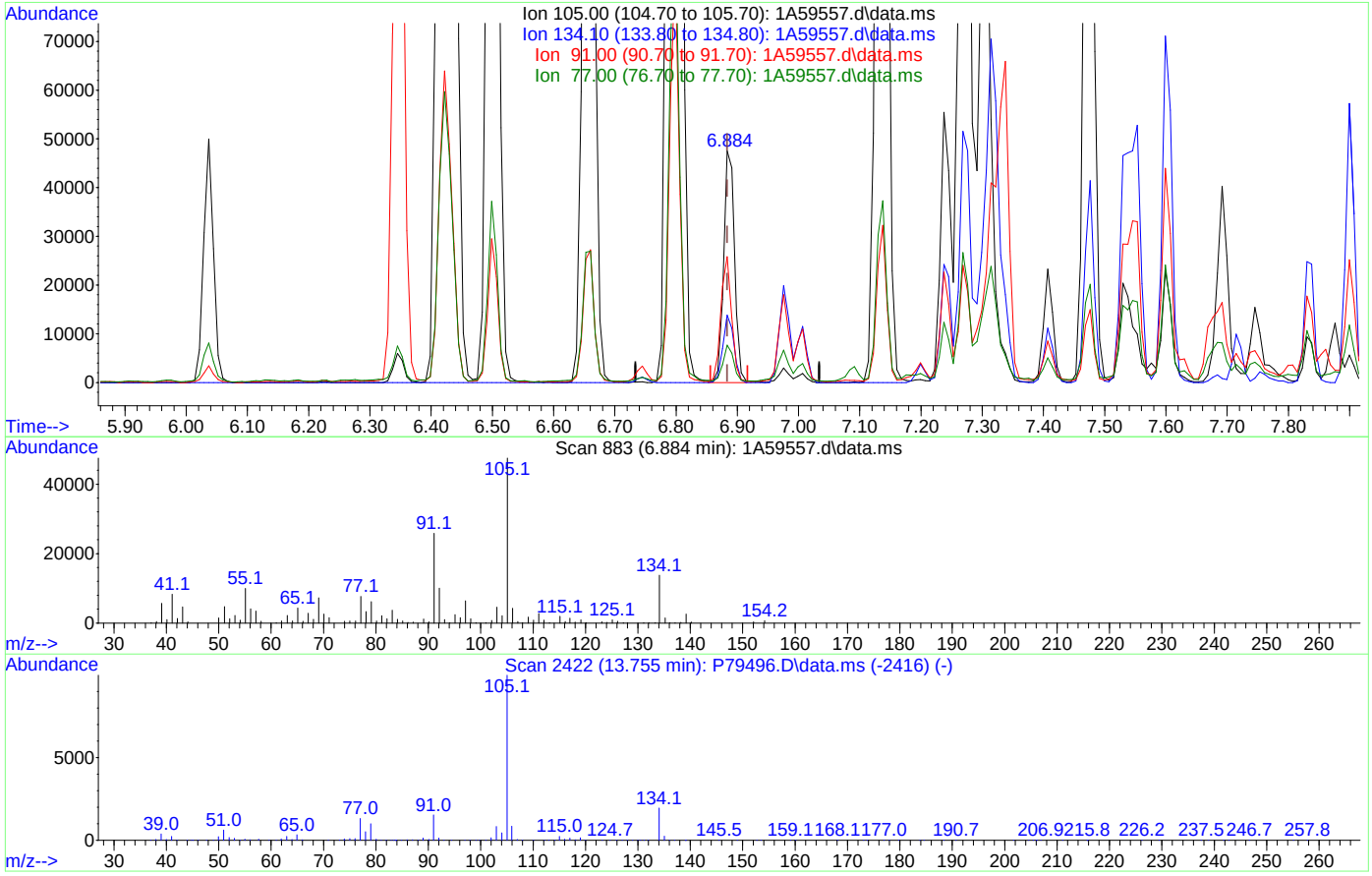
response 852127

Ion	Exp%	Act%
105.00	100	100
134.10	20.50	0.00
91.00	16.20	10.85
77.00	13.10	12.57

Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\
Data File : 1A59557.d
Acq On : 29 Sep 2024 8:15 pm
Operator : jeniferw
Sample : FC19116-9 Inst : MSVOA17-1A_2A
Misc : MS57599,V1A3060,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 30 02:26:54 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\method\V1A3047_09182024
... .M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration



TIC: 1A59557.d\data.ms

(100) sec-Butylbenzene

6.884min (-0.000) 11.80ug/L m

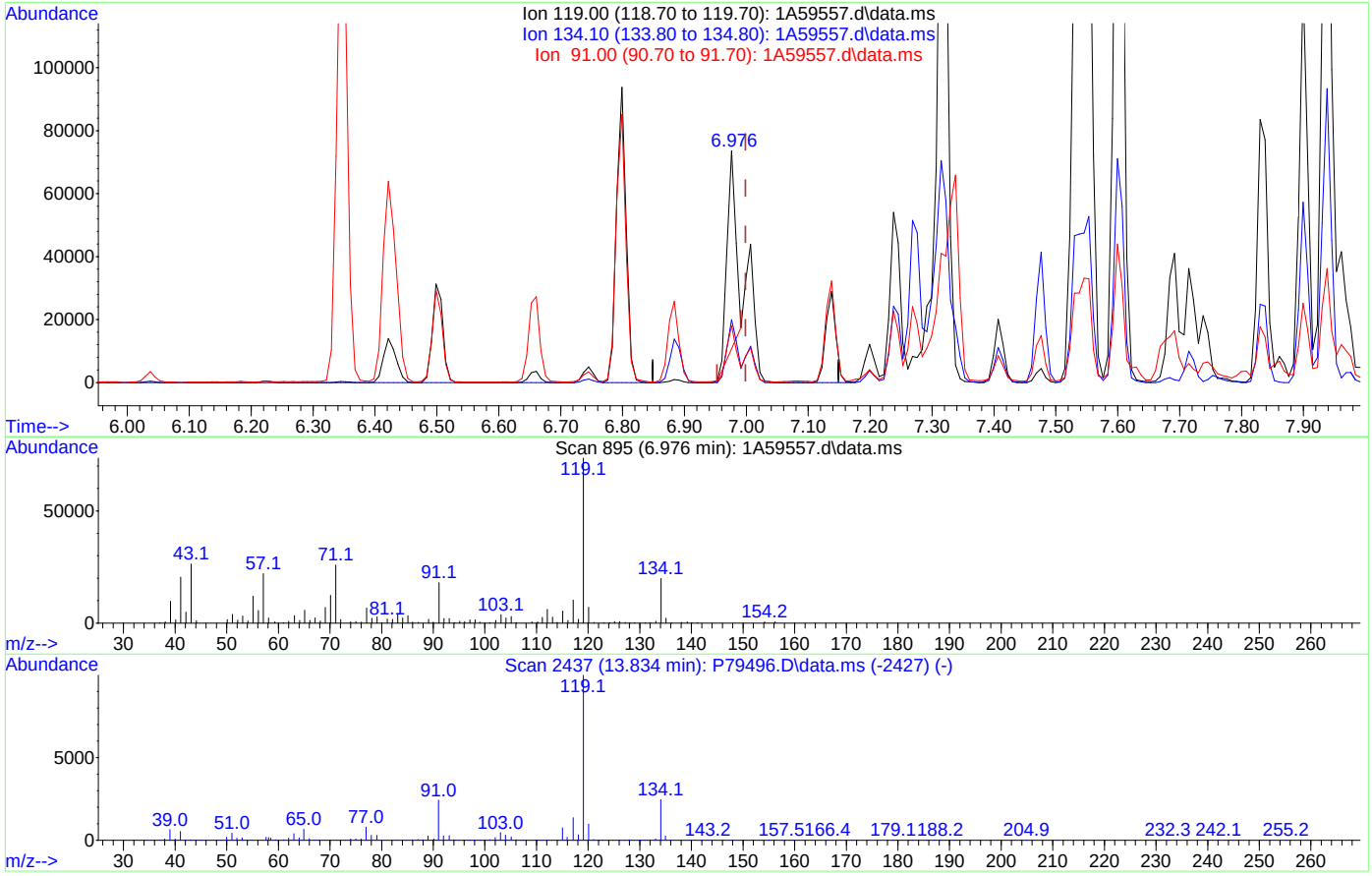
response 59018

Ion	Exp%	Act%
105.00	100	100
134.10	20.50	29.04
91.00	16.20	54.28#
77.00	13.10	16.14

Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\
Data File : 1A59557.d
Acq On : 29 Sep 2024 8:15 pm
Operator : jeniferw
Sample : FC19116-9 Inst : MSVOA17-1A_2A
Misc : MS57599,V1A3060,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 30 02:26:54 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\method\V1A3047_09182024
... .M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration



TIC: 1A59557.d\data.ms

(101) 4-Isopropyltoluene

6.976min (-0.023) 15.84ug/L

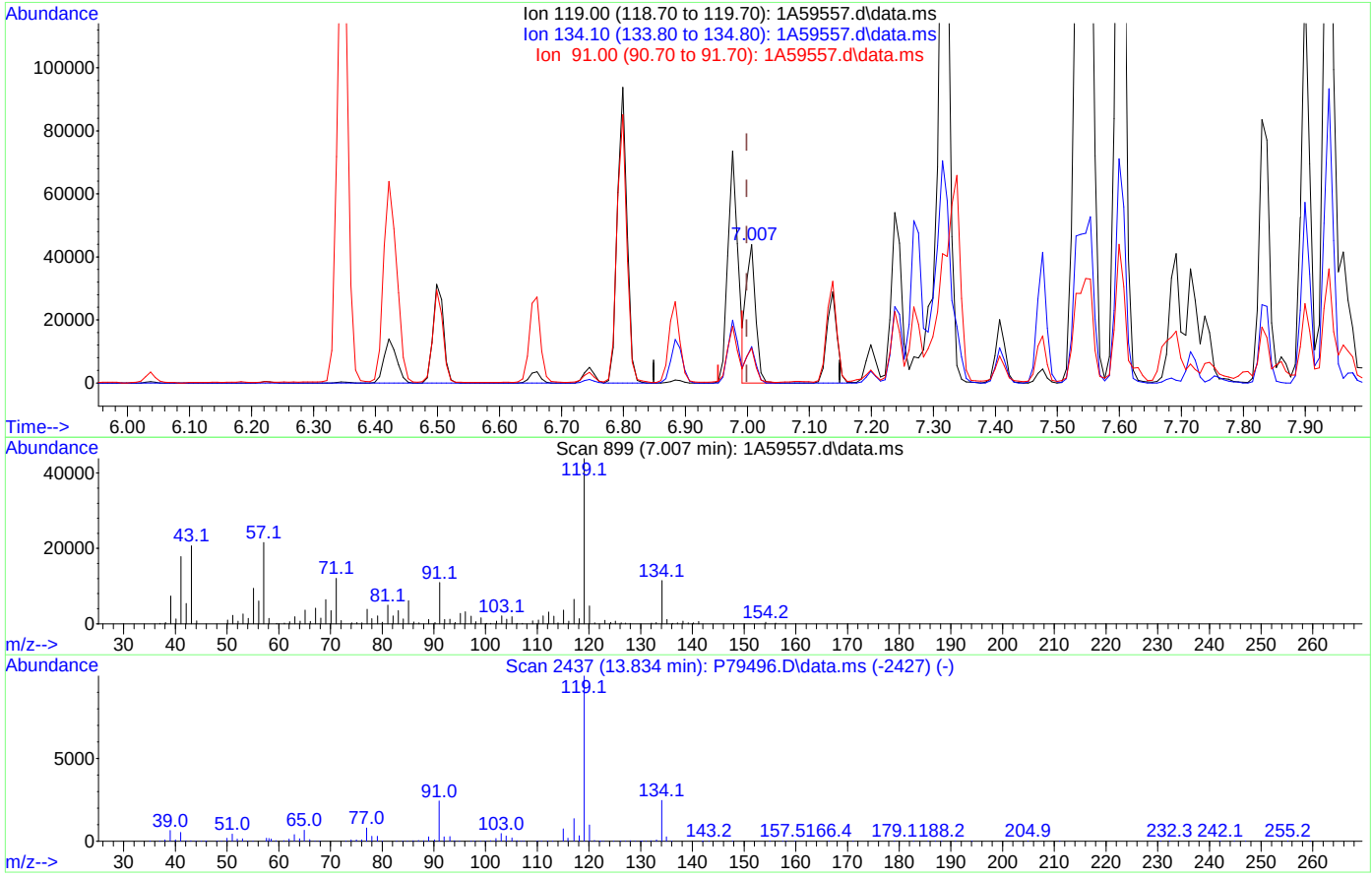
response 63915

Ion	Exp%	Act%
119.00	100	100
134.10	25.50	27.20
91.00	25.10	23.84
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\
Data File : 1A59557.d
Acq On : 29 Sep 2024 8:15 pm
Operator : jeniferw
Sample : FC19116-9 Inst : MSVOA17-1A_2A
Misc : MS57599,V1A3060,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 30 02:26:54 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\method\V1A3047_09182024
... .M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration



TIC: 1A59557.d\data.ms

(101) 4-Isopropyltoluene

7.007min (+0.008) 11.32ug/L m

response 45688

Ion	Exp%	Act%
119.00	100	100
134.10	25.50	26.18
91.00	25.10	24.97
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
10/01/24 08:55

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\093024\
Data File : 1O87906.D
Acq On : 30 Sep 2024 4:33 pm
Operator : jeniferw
Sample : FC19116-9 Inst : MSVOA12-O
Misc : MS57601,V1O4089,,,,,5
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 01 06:15:36 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Aug 15 12:51:02 2024
Response via : Initial Calibration

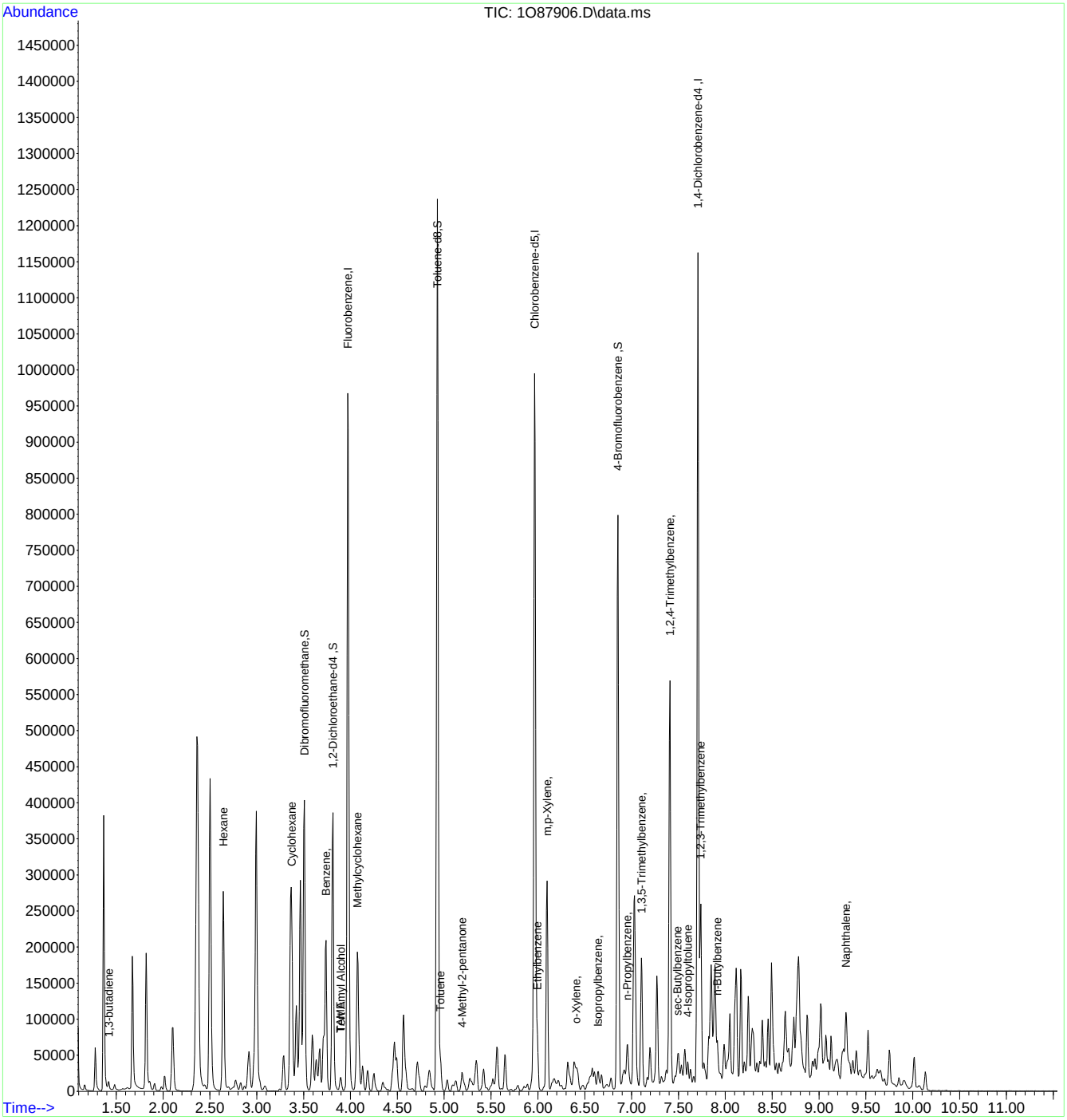
Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) Fluorobenzene		3.970	96	638434	50.00	ug/L	0.00
62) Chlorobenzene-d5		5.964	117	426955	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4		7.707	152	214863	50.00	ug/L	0.00
System Monitoring Compounds							
39) Dibromofluoromethane		3.507	113	161268	52.01	ug/L	0.00
Spiked Amount	50.000	Range 83 - 118		Recovery =	104.02%		
50) 1,2-Dichloroethane-d4		3.812	65	196003	50.13	ug/L	0.00
Spiked Amount	50.000	Range 79 - 125		Recovery =	100.26%		
63) Toluene-d8		4.927	98	631725	48.81	ug/L	0.00
Spiked Amount	50.000	Range 85 - 112		Recovery =	97.62%		
86) 4-Bromofluorobenzene		6.854	174	146878	45.82	ug/L	0.00
Spiked Amount	50.000	Range 83 - 118		Recovery =	91.64%		
Target Compounds							Qvalue
4) 1,3-butadiene		1.422	39	1572	0.78	ug/L #	43
22) Hexane		2.641	56	49547	31.74	ug/L #	81
35) Cyclohexane		3.373	56	79981	24.81	ug/L	86
47) Benzene		3.739	78	142237	13.18	ug/L	84
48) TAME		3.891	73	3204	0.92	ug/L #	37
52) Tert Amyl Alcohol		3.897	59	4681	9.77	ug/L #	72
54) Methylcyclohexane		4.074	83	59519	16.04	ug/L	94
64) Toluene		4.958	91	5214	0.46	ug/L	85
66) 4-Methyl-2-pentanone		5.190	43	10726	3.10	ug/L	61
77) Ethylbenzene		5.994	91	39100	3.20	ug/L	97
80) m,p-Xylene		6.098	91	135625	14.53	ug/L	99
81) o-Xylene		6.409	91	8090	0.88	ug/L	93
84) Isopropylbenzene		6.641	105	11956	1.19	ug/L	97
88) n-Propylbenzene		6.951	91	40074	2.99	ug/L	94
91) 1,3,5-Trimethylbenzene		7.104	105	74179	8.43	ug/L	99
99) 1,2,4-Trimethylbenzene		7.409	105	232637	27.00	ug/L	99
101) sec-Butylbenzene		7.488	105	12326m	1.24	ug/L	
102) 4-Isopropyltoluene		7.598	119	7354	0.94	ug/L	95
104) 1,2,3-Trimethylbenzene		7.738	105	110714	11.78	ug/L	99
106) n-Butylbenzene		7.915	92	9456	1.97	ug/L	94
112) Naphthalene		9.286	128	30723	3.32	ug/L	98

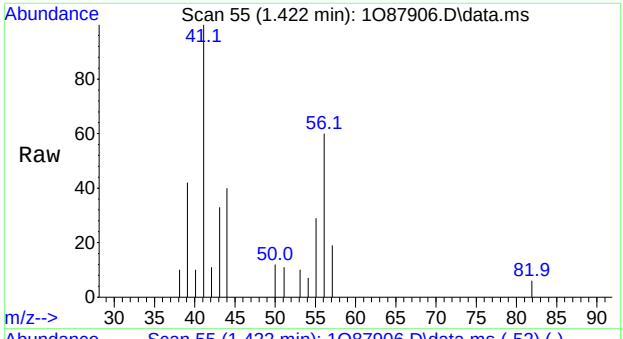
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\093024\
Data File : 1O87906.D
Acq On : 30 Sep 2024 4:33 pm
Operator : jeniferw
Sample : FC19116-9 Inst : MSVOA12-O
Misc : MS57601,V1O4089,,,,,5
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 01 06:15:36 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Aug 15 12:51:02 2024
Response via : Initial Calibration

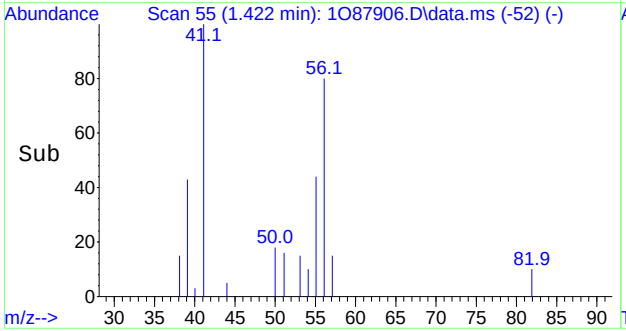


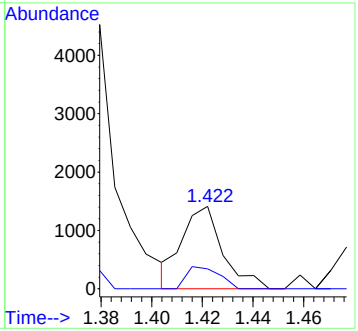


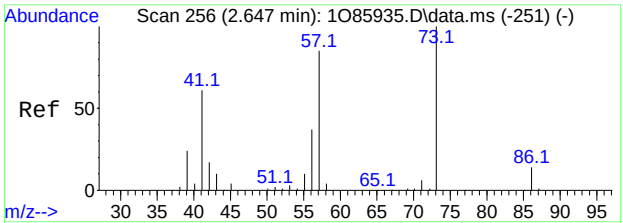
#4
1,3-butadiene
Concen: 0.78 ug/L
RT: 1.422 min Scan# 55
Delta R.T. 0.000 min
Lab File: 1O87906.D
Acq: 30 Sep 2024 4:33 pm

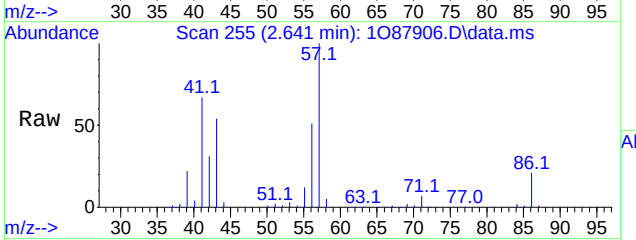
Tgt Ion: 39 Resp: 1572

Ion	Ratio	Lower	Upper
39	100		
53	24.2	51.7	91.7#





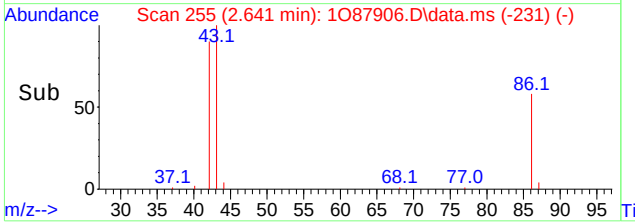


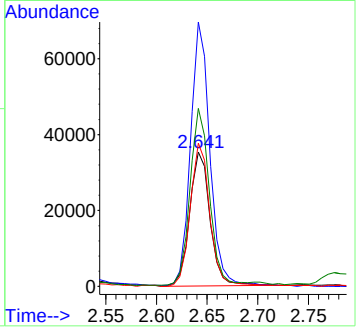


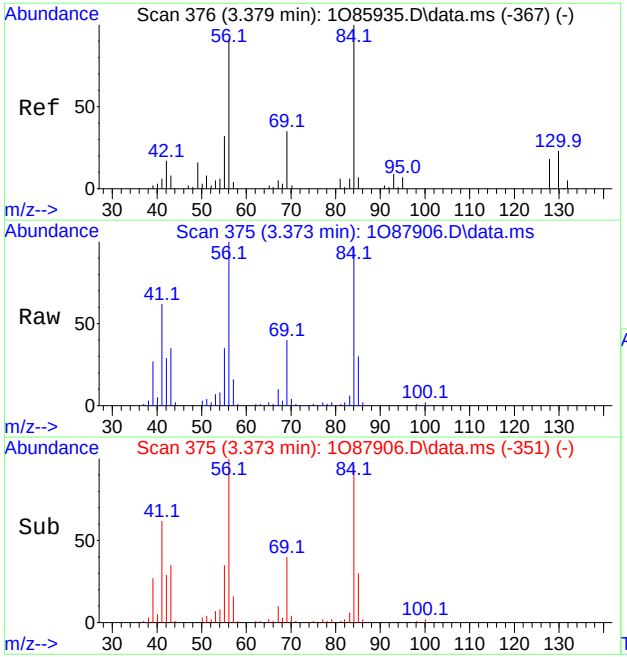
#22
Hexane
Concen: 31.74 ug/L
RT: 2.641 min Scan# 255
Delta R.T. -0.006 min
Lab File: 1O87906.D
Acq: 30 Sep 2024 4:33 pm

Tgt Ion: 56 Resp: 49547

Ion	Ratio	Lower	Upper
56	100		
57	196.4	199.9	239.9#
43	106.9	118.1	158.1#
41	131.7	135.5	175.5#



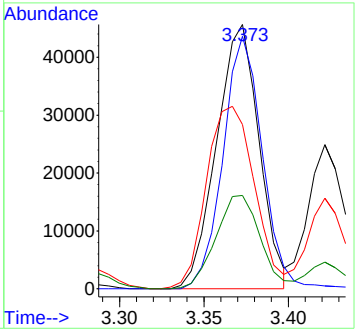


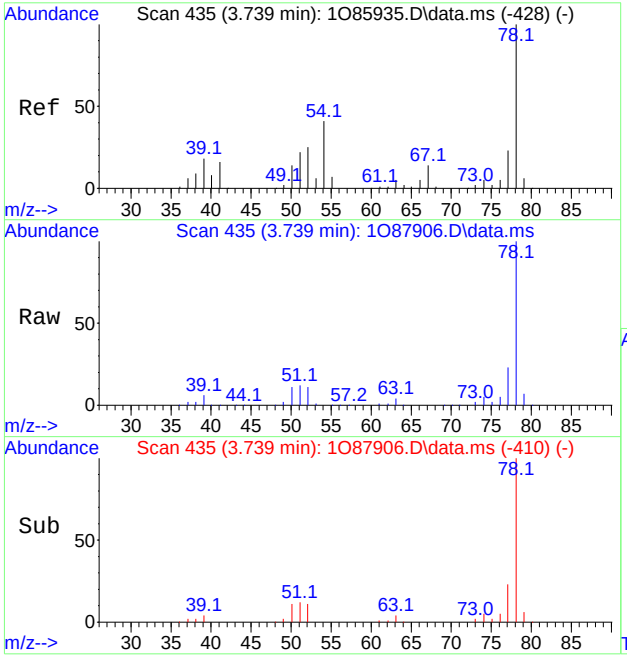


#35
Cyclohexane
Concen: 24.81 ug/L
RT: 3.373 min Scan# 375
Delta R.T. -0.006 min
Lab File: 1O87906.D
Acq: 30 Sep 2024 4:33 pm

Tgt Ion: 56 Resp: 79981

Ion	Ratio	Lower	Upper
56	100		
84	95.5	87.2	127.2
41	62.2	22.2	62.2
55	35.3	15.7	55.7

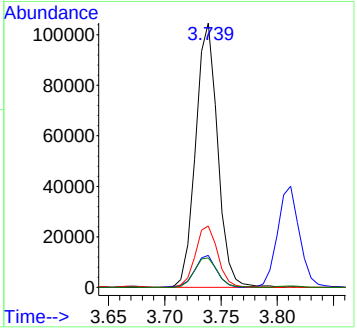


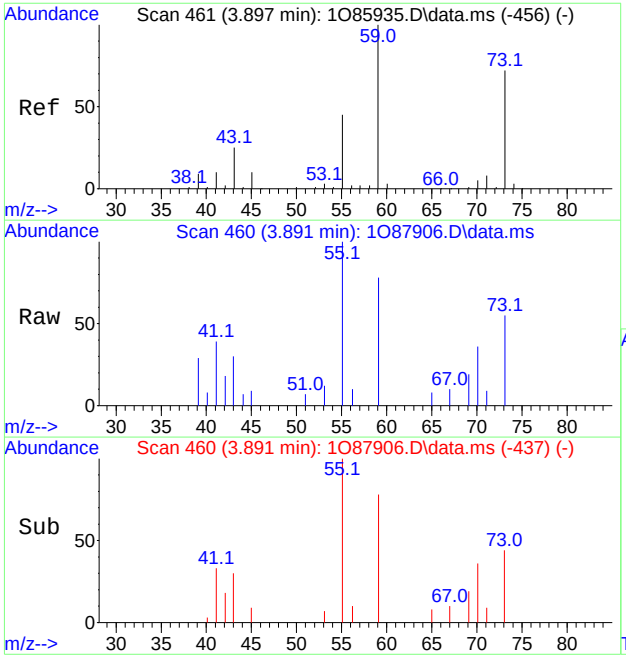


#47
Benzene
Concen: 13.18 ug/L
RT: 3.739 min Scan# 435
Delta R.T. -0.000 min
Lab File: 1O87906.D
Acq: 30 Sep 2024 4:33 pm

Tgt Ion: 78 Resp: 142237

Ion	Ratio	Lower	Upper
78	100		
51	12.1	0.0	51.0
77	23.2	0.0	53.4
52	11.1	0.0	54.7

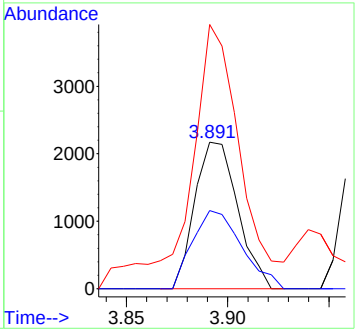


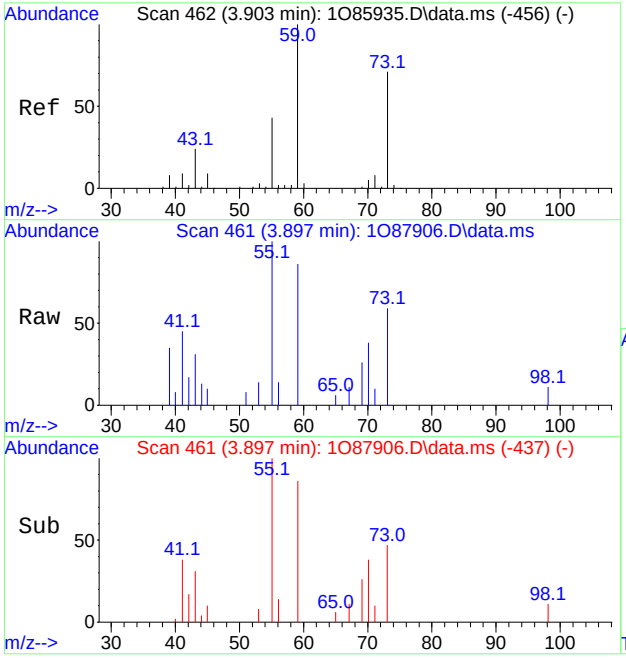


#48
TAME
Concen: 0.92 ug/L
RT: 3.891 min Scan# 460
Delta R.T. -0.012 min
Lab File: 1O87906.D
Acq: 30 Sep 2024 4:33 pm

Tgt Ion: 73 Resp: 3204

Ion	Ratio	Lower	Upper
73	100		
43	53.4	24.6	64.6
55	162.2	61.3	101.3#

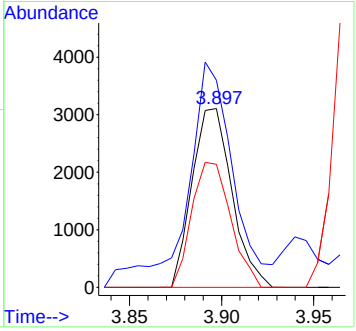


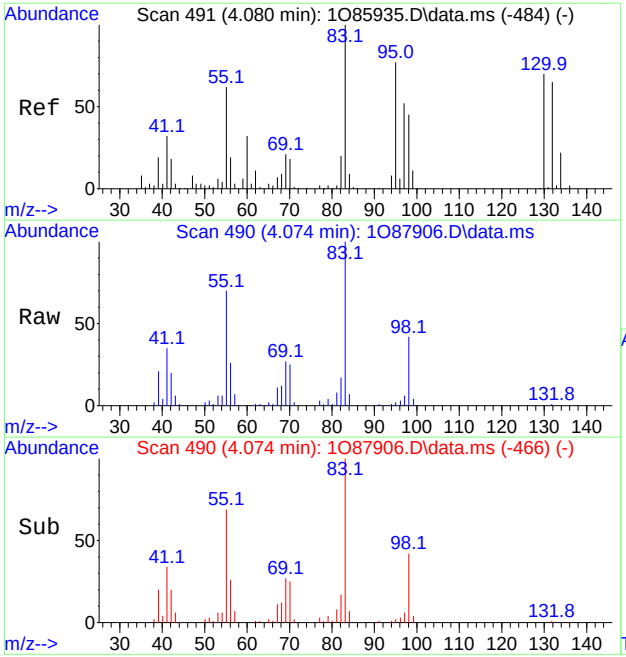


#52
Tert Amyl Alcohol
Concen: 9.77 ug/L
RT: 3.897 min Scan# 461
Delta R.T. -0.006 min
Lab File: 1O87906.D
Acq: 30 Sep 2024 4:33 pm

Tgt Ion: 59 Resp: 4681

Ion	Ratio	Lower	Upper
59	100		
55	102.3	29.0	89.0#
73	68.8	41.7	101.7

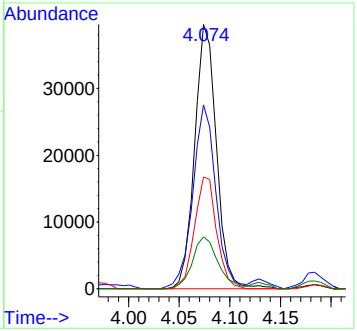


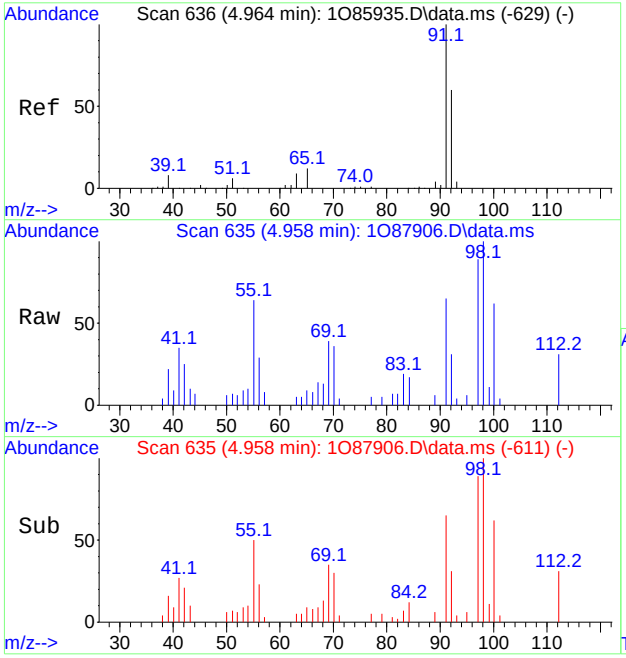


#54
Methylcyclohexane
Concen: 16.04 ug/L
RT: 4.074 min Scan# 490
Delta R.T. -0.006 min
Lab File: 1O87906.D
Acq: 30 Sep 2024 4:33 pm

Tgt Ion: 83 Resp: 59519

Ion	Ratio	Lower	Upper
83	100		
55	69.6	43.8	83.8
98	42.3	26.3	66.3
42	19.7	0.0	37.8

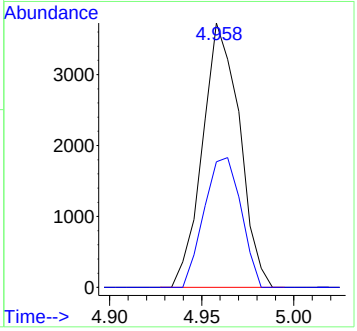


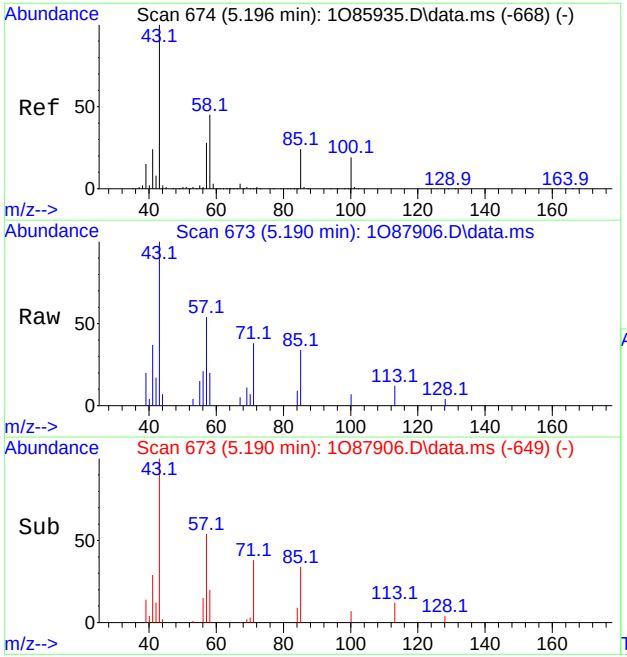


#64
Toluene
Concen: 0.46 ug/L
RT: 4.958 min Scan# 635
Delta R.T. -0.006 min
Lab File: 1O87906.D
Acq: 30 Sep 2024 4:33 pm

Tgt Ion: 91 Resp: 5214

Ion	Ratio	Lower	Upper
91	100		
92	47.5	28.9	88.9

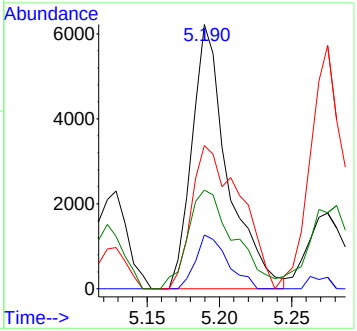


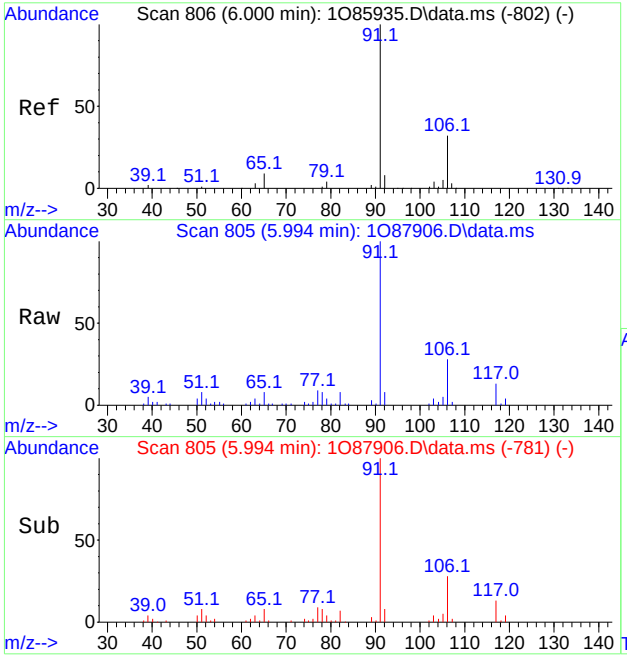


#66
4-Methyl-2-pentanone
Concen: 3.10 ug/L
RT: 5.190 min Scan# 673
Delta R.T. -0.006 min
Lab File: 1O87906.D
Acq: 30 Sep 2024 4:33 pm

Tgt Ion: 43 Resp: 10726

Ion	Ratio	Lower	Upper
43	100		
58	20.3	16.8	76.8
57	54.2	0.0	58.8
41	37.3	0.0	53.2

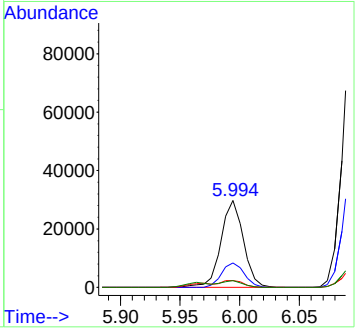


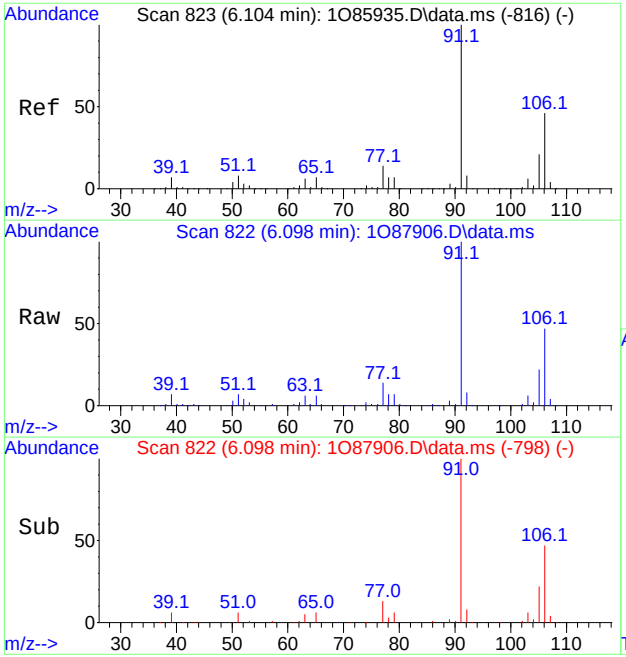


#77
Ethylbenzene
Concen: 3.20 ug/L
RT: 5.994 min Scan# 805
Delta R.T. -0.006 min
Lab File: 1O87906.D
Acq: 30 Sep 2024 4:33 pm

Tgt Ion: 91 Resp: 39100

Ion	Ratio	Lower	Upper
91	100		
106	28.2	0.6	60.6
65	7.8	0.0	38.6
51	7.9	0.0	38.2

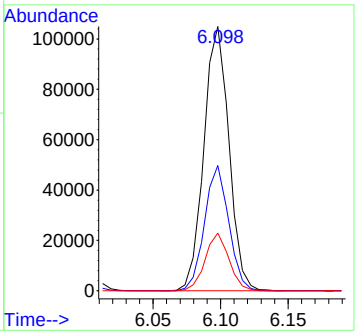


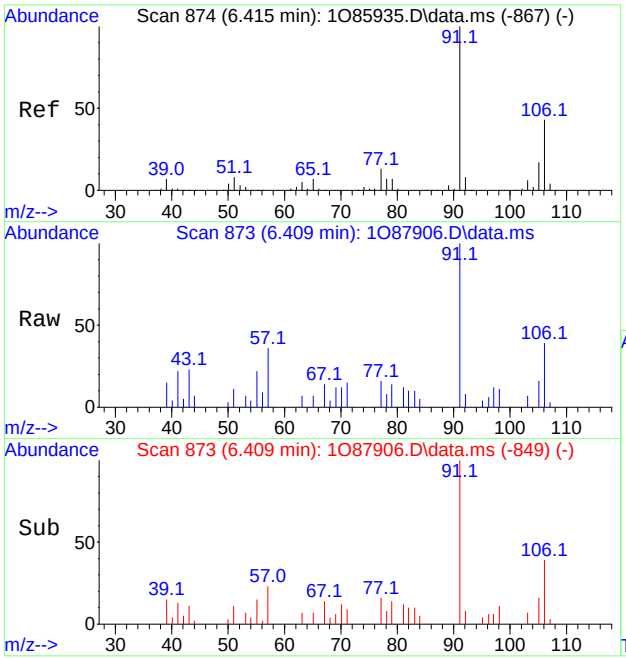


#80
m,p-Xylene
Concen: 14.53 ug/L
RT: 6.098 min Scan# 822
Delta R.T. -0.006 min
Lab File: 1O87906.D
Acq: 30 Sep 2024 4:33 pm

Tgt Ion: 91 Resp: 135625

Ion	Ratio	Lower	Upper
91	100		
106	47.4	16.7	76.7
105	21.8	0.0	51.5

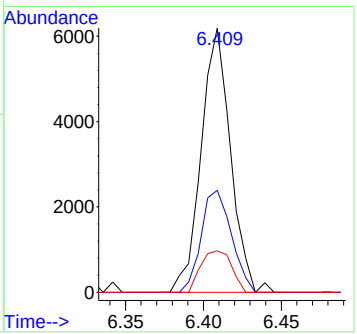


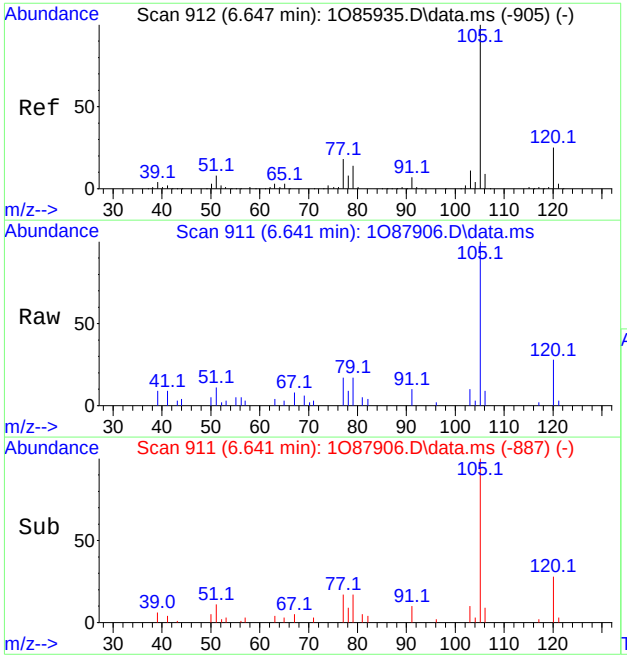


#81
o-Xylene
Concen: 0.88 ug/L
RT: 6.409 min Scan# 873
Delta R.T. -0.006 min
Lab File: 1O87906.D
Acq: 30 Sep 2024 4:33 pm

Tgt Ion: 91 Resp: 8090

Ion	Ratio	Lower	Upper
91	100		
106	38.6	13.7	73.7
105	15.7	0.0	47.8

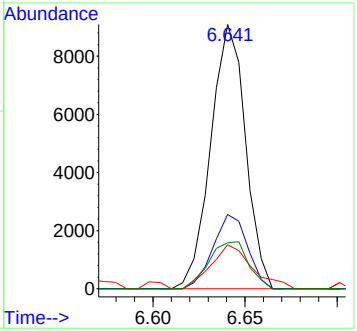


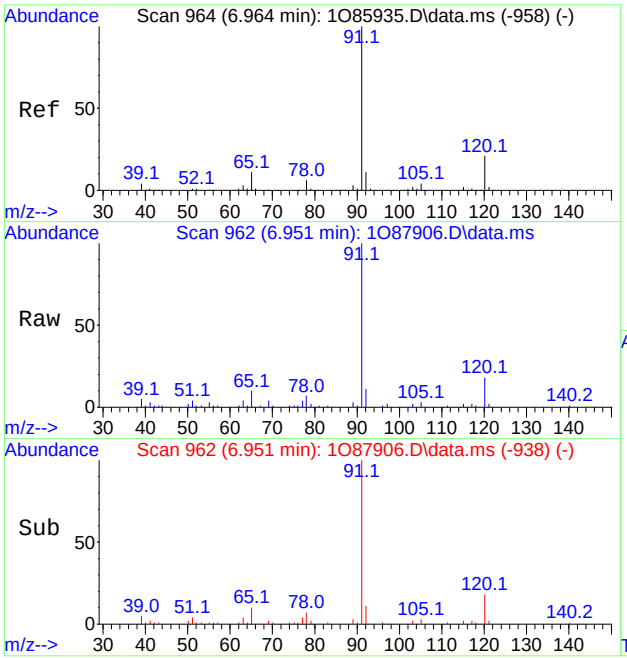


#84
Isopropylbenzene
Concen: 1.19 ug/L
RT: 6.641 min Scan# 911
Delta R.T. -0.006 min
Lab File: 1O87906.D
Acq: 30 Sep 2024 4:33 pm

Tgt Ion:105 Resp: 11956

Ion	Ratio	Lower	Upper
105	100		
120	28.2	0.0	55.5
79	14.4	0.0	43.9
77	17.4	0.0	47.0

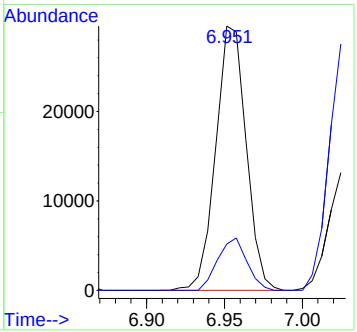


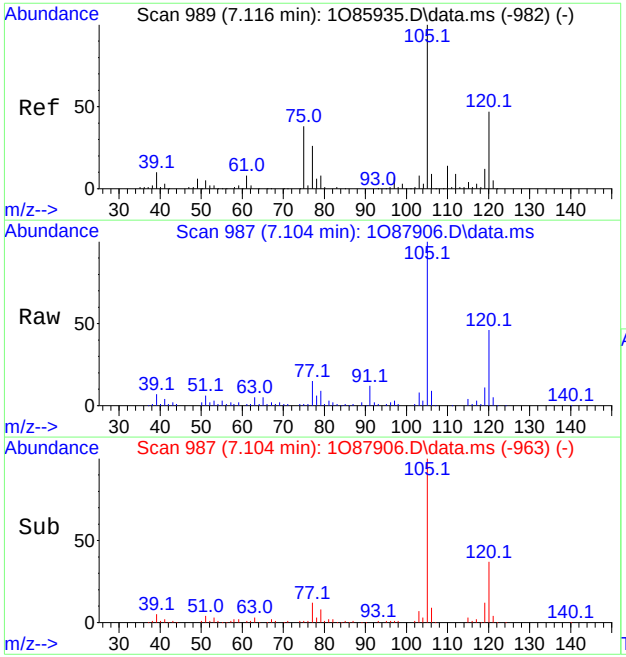


#88
n-Propylbenzene
Concen: 2.99 ug/L
RT: 6.951 min Scan# 962
Delta R.T. -0.007 min
Lab File: 1O87906.D
Acq: 30 Sep 2024 4:33 pm

Tgt Ion: 91 Resp: 40074

Ion	Ratio	Lower	Upper
91	100		
120	17.5	0.0	50.2

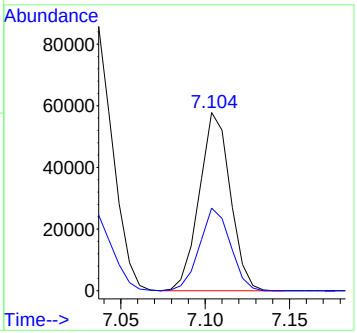


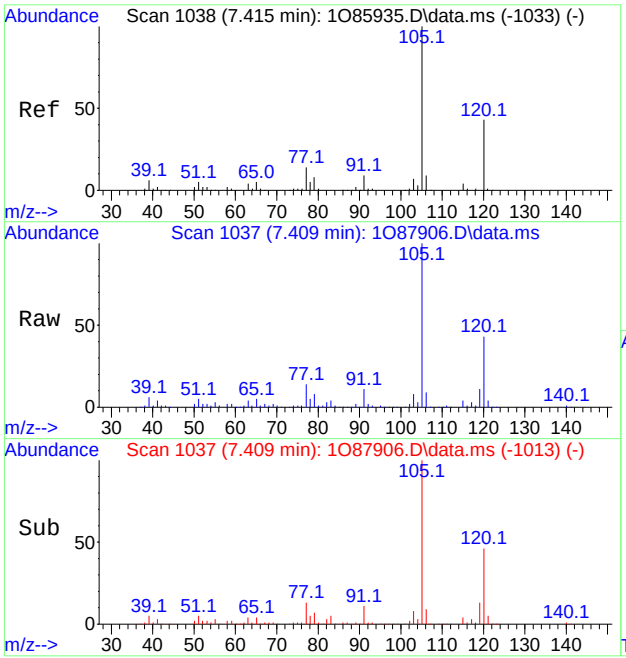


#91
1,3,5-Trimethylbenzene
Concen: 8.43 ug/L
RT: 7.104 min Scan# 987
Delta R.T. -0.006 min
Lab File: 1O87906.D
Acq: 30 Sep 2024 4:33 pm

Tgt Ion:105 Resp: 74179

Ion	Ratio	Lower	Upper
105	100		
120	46.5	15.8	75.8

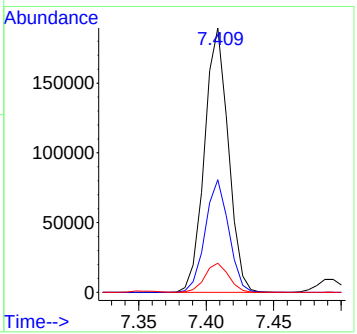


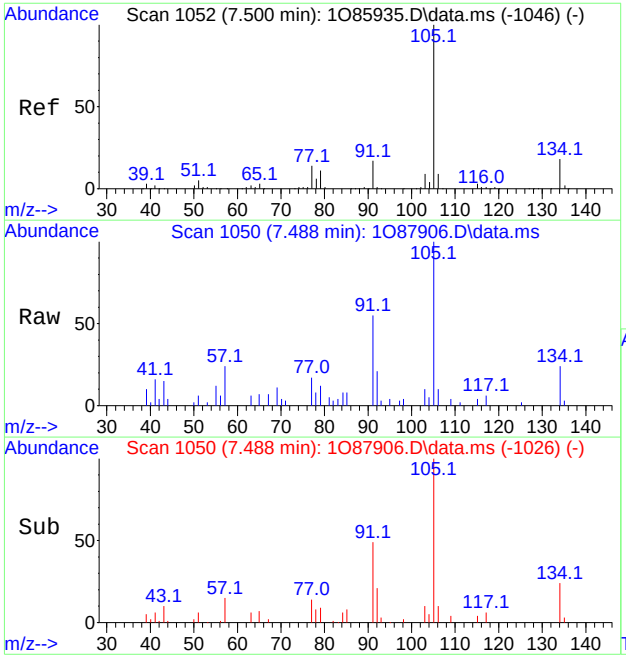


#99
1,2,4-Trimethylbenzene
Concen: 27.00 ug/L
RT: 7.409 min Scan# 1037
Delta R.T. -0.006 min
Lab File: 1O87906.D
Acq: 30 Sep 2024 4:33 pm

Tgt Ion:105 Resp: 232637

Ion	Ratio	Lower	Upper
105	100		
120	42.6	13.4	73.4
119	11.0	0.0	41.3

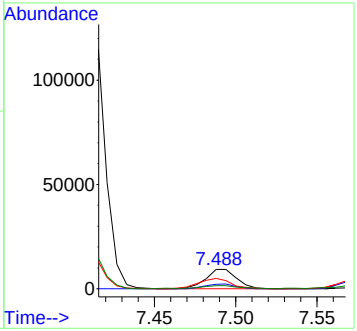


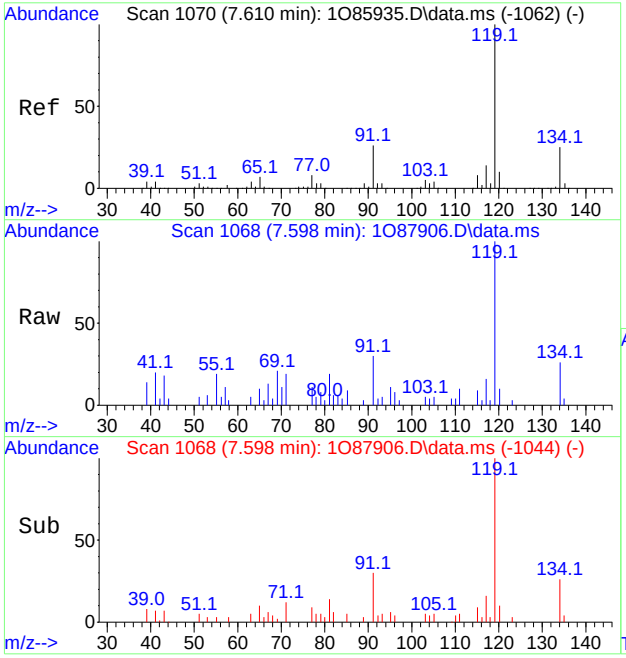


#101
sec-Butylbenzene
Concen: 1.24 ug/L m
RT: 7.488 min Scan# 1050
Delta R.T. -0.006 min
Lab File: 1O87906.D
Acq: 30 Sep 2024 4:33 pm

Tgt Ion:105 Resp: 12326

Ion	Ratio	Lower	Upper
105	100		
134	23.6	0.0	47.3
91	54.5	0.0	46.8#
77	16.8	0.0	44.1

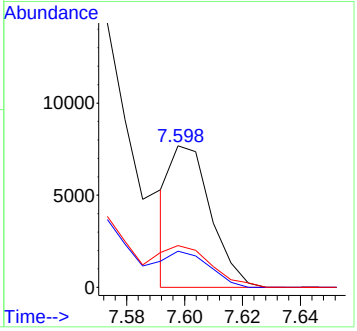


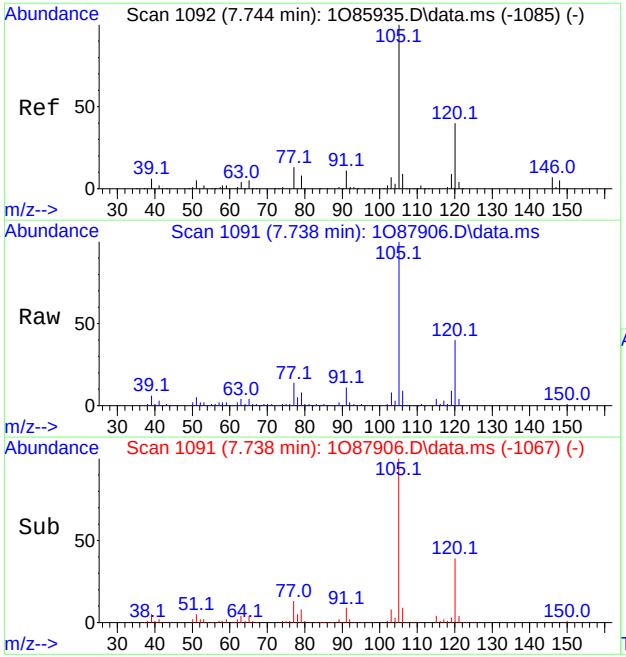


#102
4-Isopropyltoluene
Concen: 0.94 ug/L
RT: 7.598 min Scan# 1068
Delta R.T. -0.006 min
Lab File: 1O87906.D
Acq: 30 Sep 2024 4:33 pm

Tgt Ion:119 Resp: 7354

Ion	Ratio	Lower	Upper
119	100		
134	25.6	0.0	53.2
91	29.5	0.0	57.0

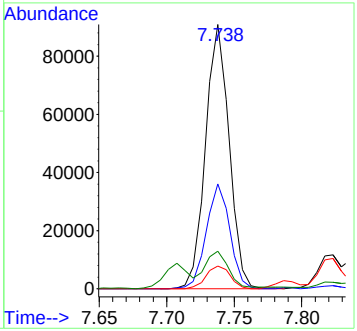


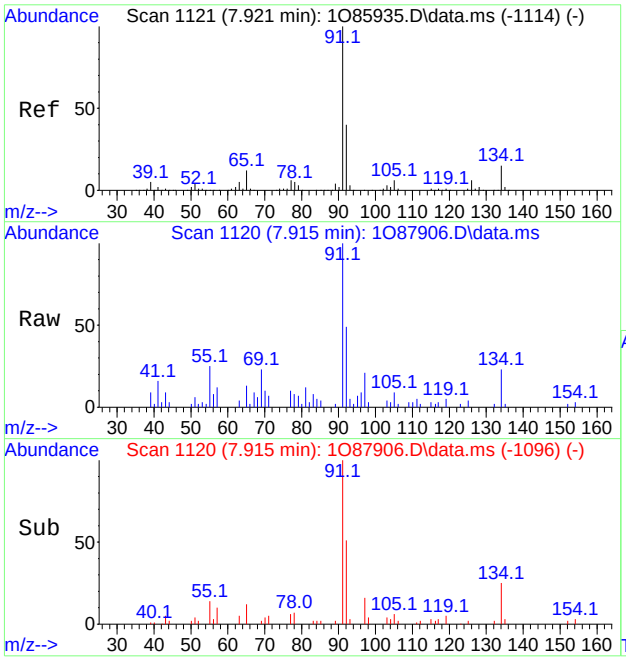


#104
1,2,3-Trimethylbenzene
Concen: 11.78 ug/L
RT: 7.738 min Scan# 1091
Delta R.T. -0.006 min
Lab File: 1O87906.D
Acq: 30 Sep 2024 4:33 pm

Tgt Ion:105 Resp: 110714

Ion	Ratio	Lower	Upper
105	100		
120	39.7	10.5	70.5
119	8.6	0.0	38.8
77	13.6	0.0	43.6

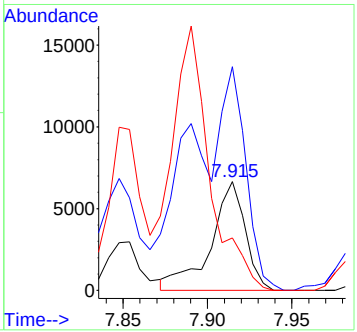


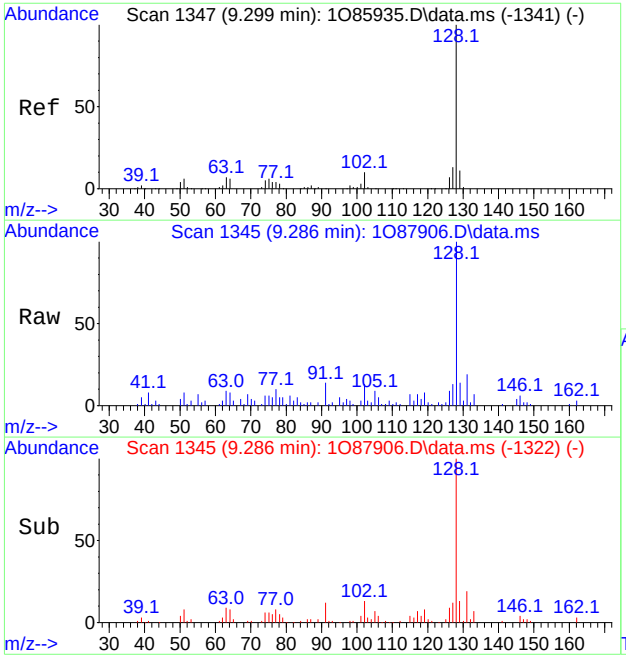


#106
n-Butylbenzene
Concen: 1.97 ug/L
RT: 7.915 min Scan# 1120
Delta R.T. -0.006 min
Lab File: 1O87906.D
Acq: 30 Sep 2024 4:33 pm

Tgt Ion: 92 Resp: 9456

Ion	Ratio	Lower	Upper
92	100		
91	205.8	182.6	242.6
134	48.3	7.9	67.9

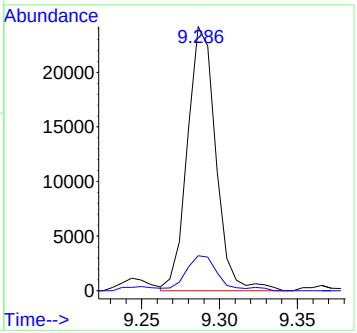




#112
Naphthalene
Concen: 3.32 ug/L
RT: 9.286 min Scan# 1345
Delta R.T. -0.013 min
Lab File: 1O87906.D
Acq: 30 Sep 2024 4:33 pm

Tgt Ion:128 Resp: 30723

Ion	Ratio	Lower	Upper
128	100		
127	13.3	0.0	42.6



Manual Integration Approval Summary

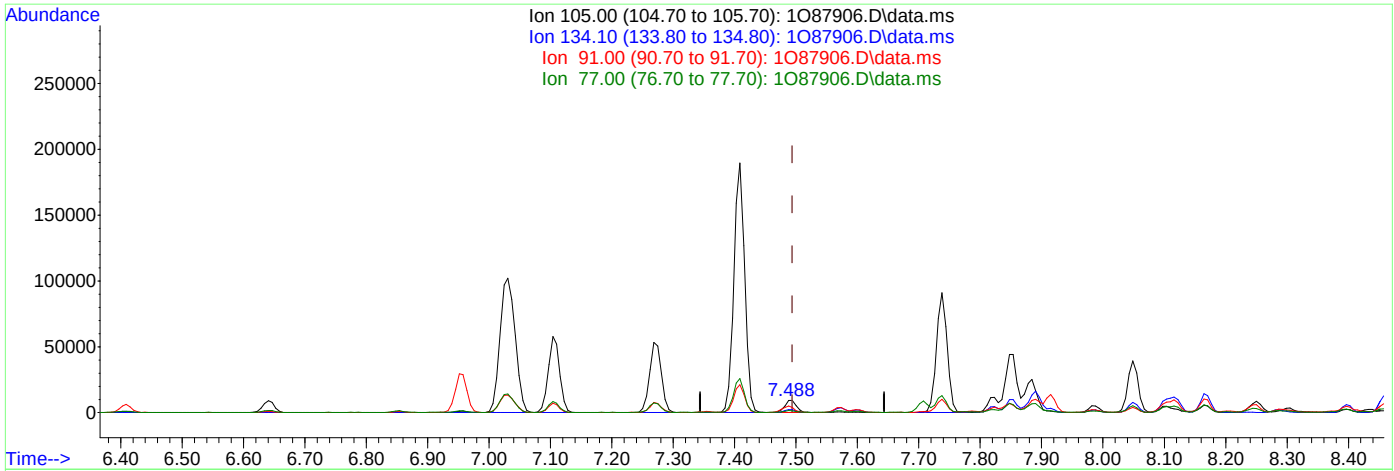
Sample Number: FC19116-9
Lab FileID: 1O87906.D
Injection Time: 09/30/24 16:33
Method: SW846 8260D
Analyst approved: 10/01/24 06:22 Jenifer Willis
Supervisor approved: 10/01/24 08:55 Karen Watson

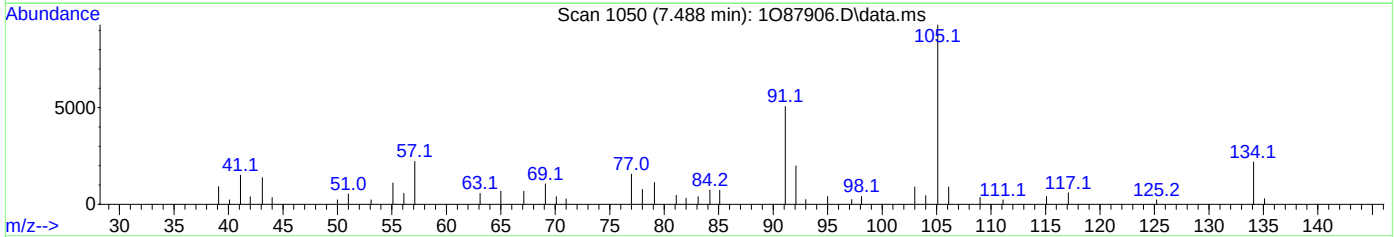
Parameter	CAS	Sig#	R.T. (min.)	Reason
sec-Butylbenzene	135-98-8		7.49	Missed peak

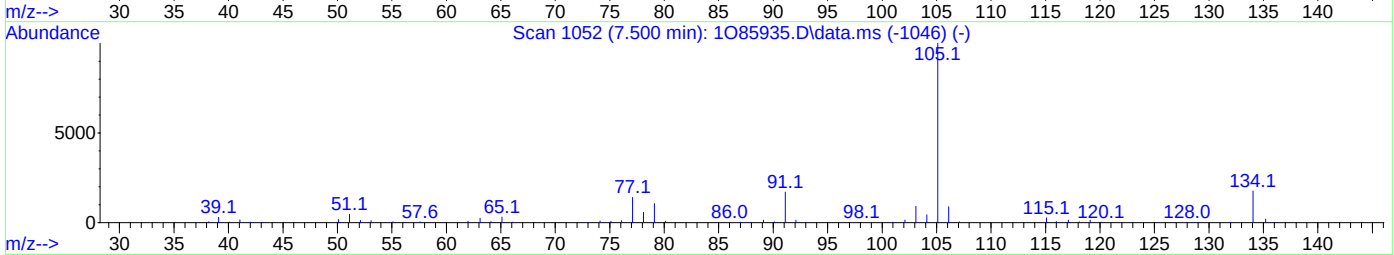
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\093024\
Data File : 1O87906.D
Acq On : 30 Sep 2024 4:33 pm
Operator : jeniferw
Sample : FC19116-9 Inst : MSVOA12-O
Misc : MS57601,V1O4089,,,,,5
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 01 06:01:47 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Aug 15 12:51:02 2024
Response via : Initial Calibration







TIC: 1O87906.D\data.ms

(101) sec-Butylbenzene

7.488min (-0.006) 1.24ug/L m

response 12326

Ion	Exp%	Act%
105.00	100	100
134.10	17.30	23.55
91.00	16.80	54.51#
77.00	14.10	16.76

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\092924\
Data File : 1A59537.D
Acq On : 29 Sep 2024 12:07 pm
Operator : jeniferw
Sample : MB Inst : MSVOA17-1A_2A
Misc : MS57599,V1A3060,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 29 12:20:59 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.397	96	236679	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.352	117	170142	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.091	152	86876	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	2.951	113	68007	50.37	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.74%			
49) 1,2-Dichloroethane-d4	3.228	65	76533	51.54	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 103.08%			
63) Toluene-d8	4.336	98	230070	48.02	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 96.04%			
86) 4-Bromofluorobenzene	6.229	174	71786	50.21	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.42%			

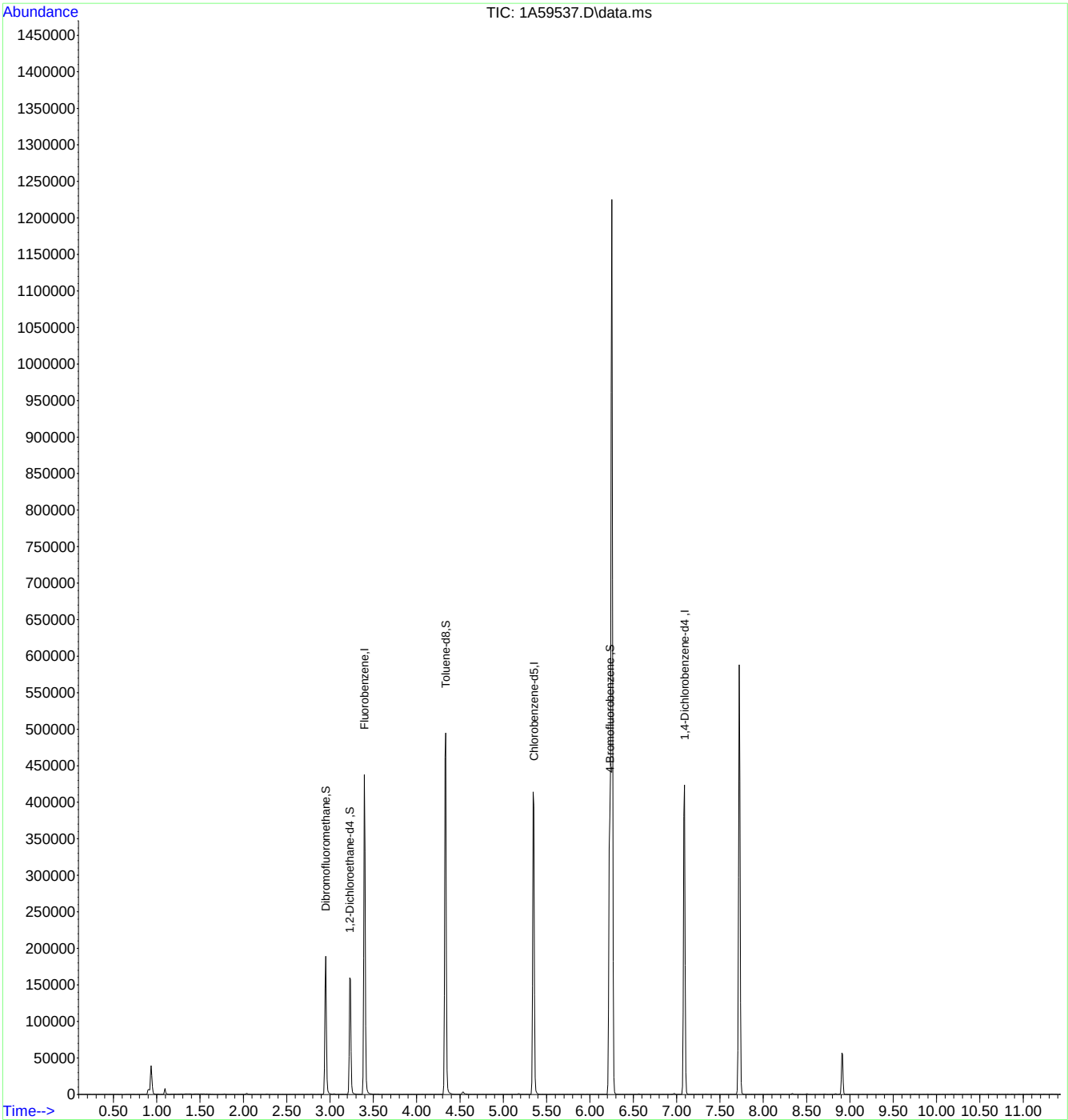
Target Compounds Qvalue

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

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\092924\
Data File : 1A59537.D
Acq On : 29 Sep 2024 12:07 pm
Operator : jeniferw
Sample : MB Inst : MSVOA17-1A_2A
Misc : MS57599,V1A3060,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 29 12:20:59 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\093024\
Data File : 1O87885.D
Acq On : 30 Sep 2024 7:41 am
Operator : jeniferw
Sample : MB Inst : MSVOA12-O
Misc : MS57595,V1O4089,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 30 07:54:26 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Aug 15 12:51:02 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.970	96	739832	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.964	117	488578	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.707	152	239766	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.507	113	183266	51.00	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.00%			
50) 1,2-Dichloroethane-d4	3.812	65	226196	49.92	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 99.84%			
63) Toluene-d8	4.928	98	723090	48.83	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 97.66%			
86) 4-Bromofluorobenzene	6.854	174	176925	49.46	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.92%			

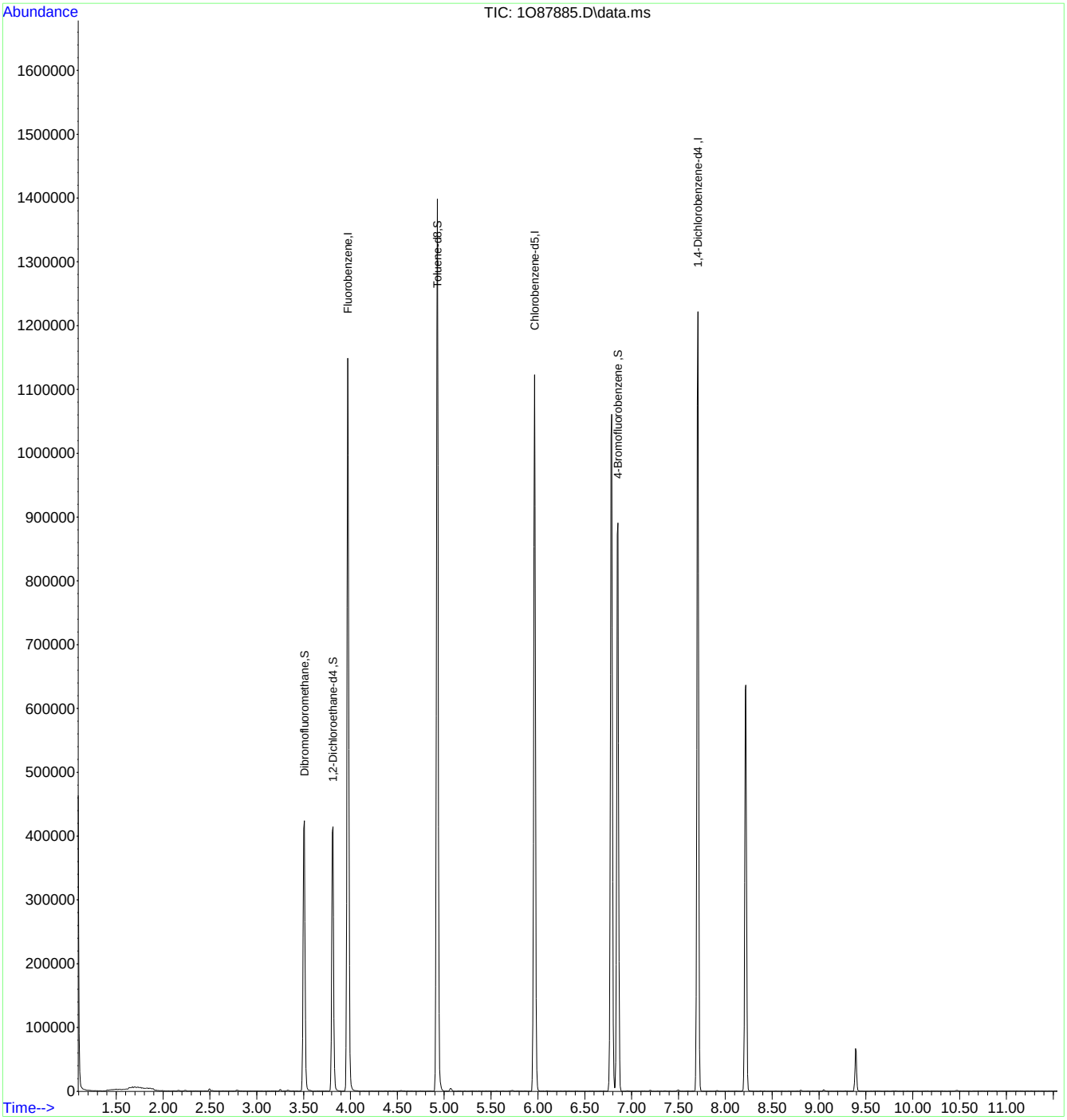
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\093024\
Data File : 1O87885.D
Acq On : 30 Sep 2024 7:41 am
Operator : jeniferw
Sample : MB Inst : MSVOA12-O
Misc : MS57595,V1O4089,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 30 07:54:26 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Aug 15 12:51:02 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100124\
Data File : 1A59596.D
Acq On : 1 Oct 2024 8:20 am
Operator : jeniferw
Sample : MB Inst : MSVOA17-1A_2A
Misc : MS57600,V1A3062,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 01 08:31:51 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.397	96	235423	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.352	117	171675	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.091	152	89263	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	2.951	113	68309	50.87	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.74%			
49) 1,2-Dichloroethane-d4	3.235	65	79103	53.56	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 107.12%			
63) Toluene-d8	4.336	98	232720	48.14	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 96.28%			
86) 4-Bromofluorobenzene	6.229	174	72314	49.23	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.46%			

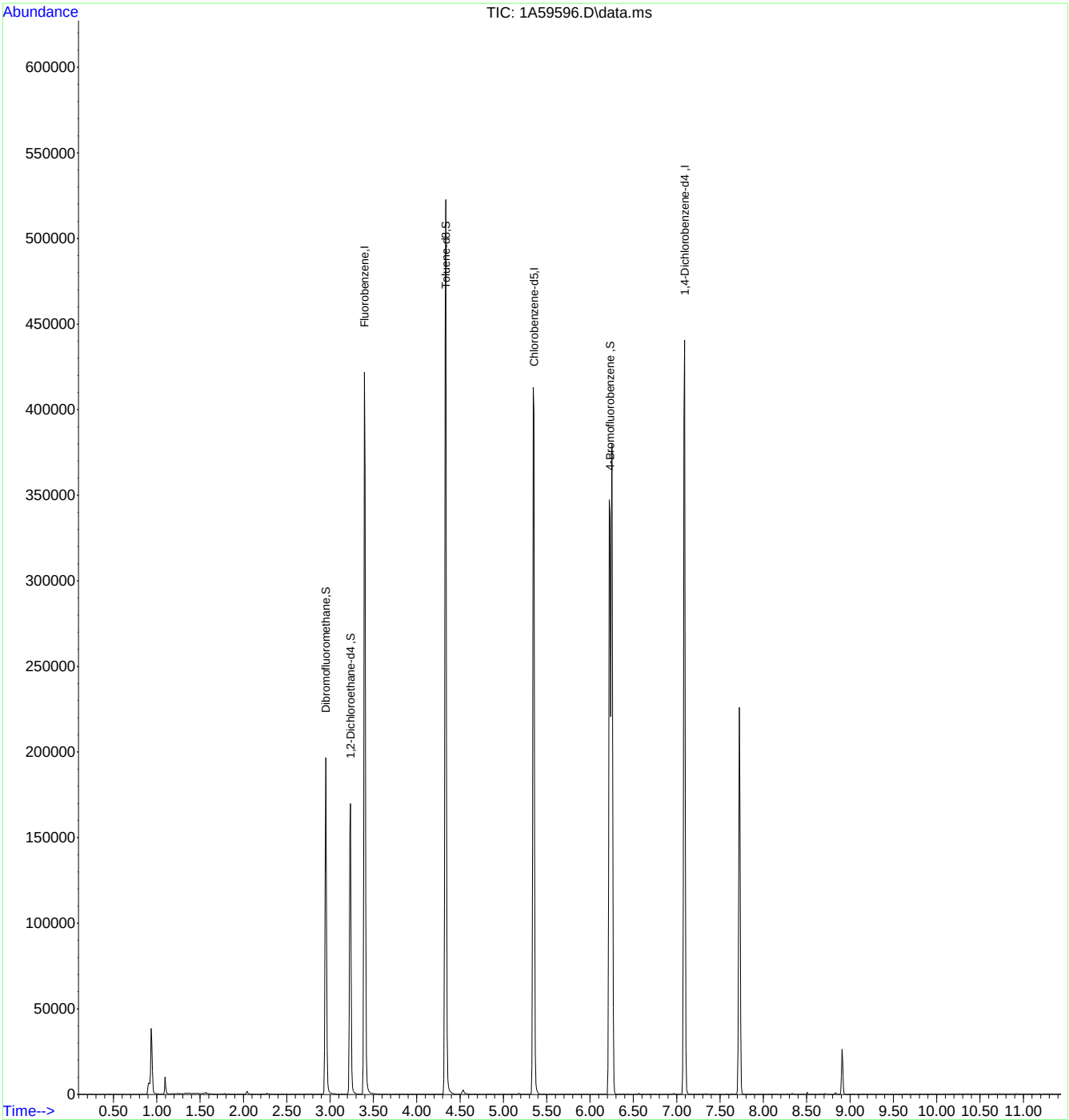
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100124\
Data File : 1A59596.D
Acq On : 1 Oct 2024 8:20 am
Operator : jeniferw
Sample : MB Inst : MSVOA17-1A_2A
Misc : MS57600,V1A3062,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 01 08:31:51 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/30/24 12:24

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\092924\
Data File : 1A59534.D
Acq On : 29 Sep 2024 10:55 am
Operator : jeniferw
Sample : BS Inst : MSVOA17-1A_2A
Misc : MS57580,V1A3060,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 29 11:16:05 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	3.397	96	250906	50.00	ug/L		0.00
62) Chlorobenzene-d5	5.352	117	175516	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	7.091	152	90742	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	2.951	113	70205	49.05	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.10%				
49) 1,2-Dichloroethane-d4	3.235	65	81702	51.90	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 103.80%				
63) Toluene-d8	4.336	98	243271	49.22	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 98.44%				
86) 4-Bromofluorobenzene	6.229	174	75631	50.65	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.30%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.019	85	35958	25.81	ug/L		100
3) Chloromethane	1.127	50	29658	23.27	ug/L		95
4) 1,3-butadiene	1.181	39	29816	25.96	ug/L		90
5) Vinyl Chloride	1.173	62	32347	23.04	ug/L		98
6) Bromomethane	1.342	94	18349	24.32	ug/L		94
7) Chloroethane	1.411	64	19235	20.13	ug/L		97
8) Trichlorofluoromethane	1.496	101	44356	20.75	ug/L		100
9) Ethyl Ether	1.650	59	20409	22.98	ug/L		98
10) Ethanol	1.696	45	3915m	577.60	ug/L		
11) 1,2-Dichlorotrifluoroe...	1.742	67	33963	23.02	ug/L		99
12) 1,1-Dichloroethene	1.758	61	48270	27.31	ug/L		94
13) Freon 113	1.781	101	29238	24.86	ug/L		99
14) Carbon Disulfide	1.781	76	83056	23.32	ug/L		98
15) Iodomethane	1.827	142	20712	27.16	ug/L		97
16) Acrolein	1.904	56	15497	121.14	ug/L		96
17) Allyl chloride	1.989	41	43529	26.88	ug/L		97
18) Methylene Chloride	2.043	49	42668	26.33	ug/L		96
19) Acetone	2.043	43	30196	137.39	ug/L		96
20) Methyl acetate	2.119	43	77134	128.05	ug/L		96
21) trans-1,2-Dichloroethene	2.135	61	46711	26.61	ug/L		97
22) Hexane	2.196	56	26747	24.43	ug/L	#	87
23) Methyl Tert Butyl Ether	2.189	73	65986	24.50	ug/L		92
24) Acetonitrile	2.266	41	22848	256.78	ug/L		96
25) Tert Butyl Alcohol	2.204	59	14787	248.92	ug/L		86
26) Di-isopropyl ether	2.389	45	85231	24.04	ug/L		97
27) Chloroprene	2.435	53	88797	26.46	ug/L		97
28) 1,1-Dichloroethane	2.435	63	57906	25.47	ug/L		99
29) Acrylonitrile	2.435	52	45559	129.63	ug/L		99
30) ETBE	2.574	59	81191	24.81	ug/L		97
31) Vinyl acetate	2.558	43	286631	144.96	ug/L		99
32) cis-1,2-Dichloroethene	2.720	96	32566	24.40	ug/L		95
33) 2,2-Dichloropropane	2.781	77	46061	27.76	ug/L		100
34) Bromochloromethane	2.820	128	14769	22.32	ug/L		97
35) Cyclohexane	2.858	56	51829	24.61	ug/L		96
36) Chloroform	2.858	83	58760	24.96	ug/L		98
37) Ethyl acetate	2.912	43	101181	128.55	ug/L		99
38) Tetrahydrofuran	2.943	42	5306	22.32	ug/L		96
40) Carbon Tetrachloride	2.958	117	45655m	25.81	ug/L		
41) 1,1,1-Trichloroethane	2.981	97	51372	26.62	ug/L		99
42) 2-Butanone	2.997	43	41721	123.27	ug/L		97
43) 1,1-Dichloropropene	3.051	75	44250	28.76	ug/L		96
44) tert-Butyl formate	3.089	59	103166	174.69	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\092924\
Data File : 1A59534.D
Acq On : 29 Sep 2024 10:55 am
Operator : jeniferw
Sample : BS Inst : MSVOA17-1A_2A
Misc : MS57580,V1A3060,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 29 11:16:05 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45)	Propionitrile	3.135	54	28965	274.24	ug/L		96
46)	Methacrylonitrile	3.158	41	143869	277.31	ug/L		99
47)	Benzene	3.182	78	127085	25.88	ug/L		93
48)	TAME	3.243	73	61949	23.42	ug/L		96
50)	1,2-Dichloroethane	3.274	62	43310	26.20	ug/L		98
51)	Isobutyl Alcohol	3.251	43	36241	536.29	ug/L		85
52)	Tert Amyl Alcohol	3.320	59	11627	276.75	ug/L		96
53)	Trichloroethene	3.505	95	34903	25.27	ug/L		95
54)	Methylcyclohexane	3.528	83	48757	23.72	ug/L		98
55)	Dibromomethane	3.728	93	18830	24.71	ug/L		98
56)	1,2-Dichloropropane	3.790	63	32667	25.24	ug/L		96
57)	Bromodichloromethane	3.820	83	40442	24.81	ug/L		97
58)	Methyl methacrylate	3.913	41	19448	28.53	ug/L		92
59)	1,4-Dioxane	3.936	88	2932	534.21	ug/L		91
60)	2-Chloroethyl vinyl ether	4.159	63	65960	146.14	ug/L		93
61)	cis-1,3-Dichloropropene	4.205	75	45146	25.03	ug/L		92
64)	Toluene	4.367	91	131687	24.89	ug/L		98
65)	2-Nitropropane	4.459	41	29349	128.72	ug/L		96
66)	4-Methyl-2-pentanone	4.575	43	101659	123.88	ug/L		97
67)	trans-1,3-Dichloropropene	4.605	75	37754	21.78	ug/L		95
68)	Tetrachloroethene	4.628	166	36255	24.29	ug/L		98
69)	Ethyl methacrylate	4.721	69	28692	24.77	ug/L		89
70)	1,1,2-Trichloroethane	4.713	83	20571	25.65	ug/L		97
71)	Dibromochloromethane	4.836	129	29123	26.74	ug/L		96
72)	1,3-Dichloropropane	4.890	76	41450	25.80	ug/L		95
73)	1,2-Dibromoethane	4.990	107	23651	25.48	ug/L		97
74)	3,3-Dimethyl-1-Butanol	5.121	57	85512	1342.77	ug/L		99
75)	2-hexanone	5.136	43	84230	125.56	ug/L		88
76)	1-Chlorohexane	5.360	91	44212m	24.20	ug/L		
77)	Ethylbenzene	5.390	91	140145m	23.66	ug/L		
78)	Chlorobenzene	5.360	112	80587	23.75	ug/L		97
79)	1,1,1,2-Tetrachloroethane	5.406	131	28497	26.41	ug/L		99
80)	m,p-Xylene	5.490	91	225053	49.94	ug/L		99
81)	o-Xylene	5.798	91	110626	24.32	ug/L		99
82)	Styrene	5.829	104	80083	24.73	ug/L		94
83)	Bromoform	5.837	173	15872	26.02	ug/L		97
84)	Isopropylbenzene	6.037	105	129523	24.67	ug/L		98
87)	cis-1,4-Dichloro-2-butene	6.260	53	8236	29.92	ug/L		97
88)	n-Propylbenzene	6.345	91	159770	24.28	ug/L		95
89)	Bromobenzene	6.299	156	32431	24.02	ug/L		87
90)	1,1,2,2-Tetrachloroethane	6.368	83	25097	26.09	ug/L		97
91)	1,3,5-Trimethylbenzene	6.499	105	104617	25.43	ug/L		99
92)	2-Chlorotoluene	6.453	91	89041	24.44	ug/L		98
93)	trans-1,4-Dichloro-2-B...	6.499	53	10267	27.51	ug/L		94
94)	1,2,3-Trichloropropane	6.460	110	7186	26.18	ug/L		89
95)	Cyclohexanone	6.476	55	5927	288.35	ug/L		92
96)	4-Chlorotoluene	6.576	91	92947	24.79	ug/L		98
97)	tert-Butylbenzene	6.745	91	62155	25.06	ug/L		97
98)	1,2,4-Trimethylbenzene	6.799	105	98606	25.38	ug/L		97
99)	Pentachloroethane	6.745	167	18280	30.22	ug/L	#	65
100)	sec-Butylbenzene	6.884	105	122463	23.23	ug/L		99
101)	4-Isopropyltoluene	7.007	119	104240	24.51	ug/L		98
102)	1,3-Dichlorobenzene	7.030	146	56714	23.82	ug/L		97
103)	1,2,3-Trimethylbenzene	7.138	105	91737	23.43	ug/L		98
104)	1,4-Dichlorobenzene	7.099	146	57254	24.21	ug/L		96
105)	n-Butylbenzene	7.338	92	50225	23.46	ug/L		98
106)	Benzyl Chloride	7.291	126	7238	25.67	ug/L	#	91
107)	1,2-Dichlorobenzene	7.422	146	49724	24.08	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\092924\
Data File : 1A59534.D
Acq On : 29 Sep 2024 10:55 am
Operator : jeniferw
Sample : BS Inst : MSVOA17-1A_2A
Misc : MS57580,V1A3060,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 29 11:16:05 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration

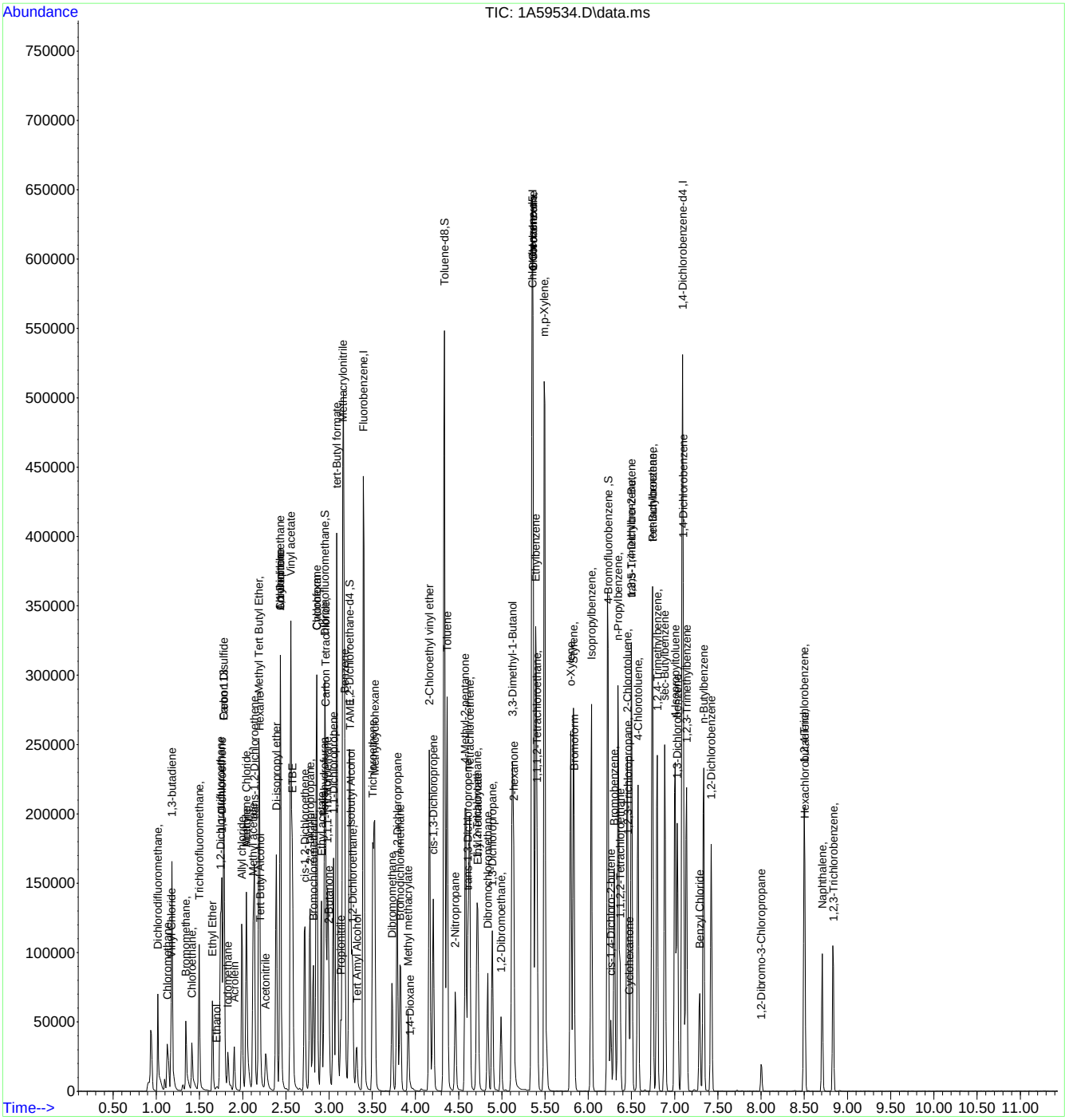
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) 1,2-Dibromo-3-Chloropr...	8.000	75	3519	28.49	ug/L	87
109) Hexachlorobutadiene	8.507	225	14112	25.48	ug/L	93
110) 1,2,4-Trichlorobenzene	8.500	180	25298	25.70	ug/L	93
111) Naphthalene	8.708	128	47175	27.62	ug/L	99
112) 1,2,3-Trichlorobenzene	8.838	180	21451	28.02	ug/L	96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\092924\
Data File : 1A59534.D
Acq On : 29 Sep 2024 10:55 am
Operator : jeniferw
Sample : BS Inst : MSVOA17-1A_2A
Misc : MS57580,V1A3060,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 29 11:16:05 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration



Manual Integration Approval Summary

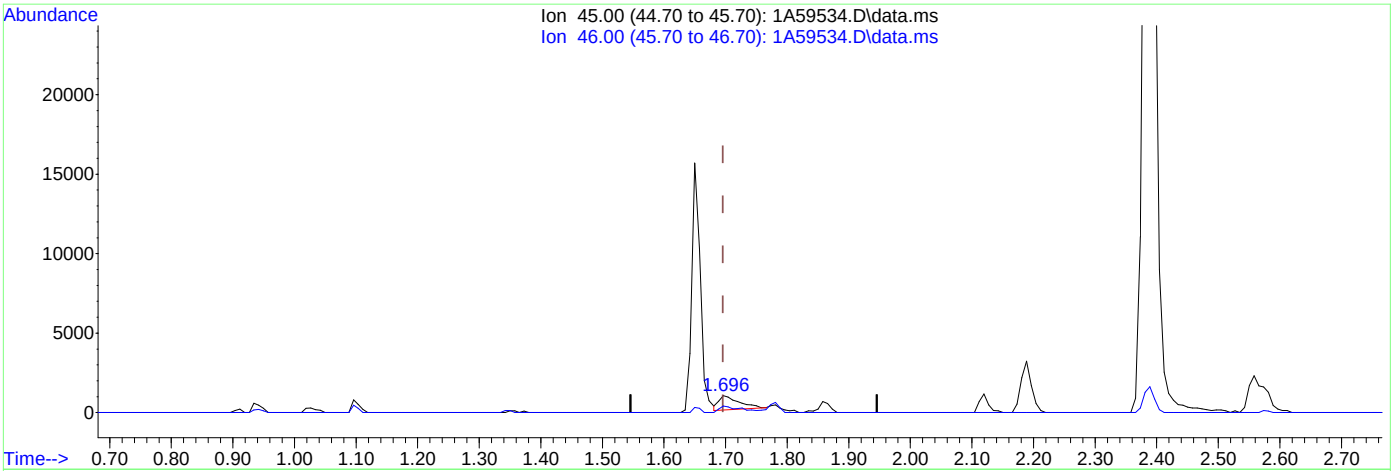
Sample Number: V1A3060-BS
Lab FileID: 1A59534.D
Injection Time: 09/29/24 10:55
Method: SW846 8260D
Analyst approved: 09/29/24 11:18 Jenifer Willis
Supervisor approved: 09/30/24 12:24 Karen Watson

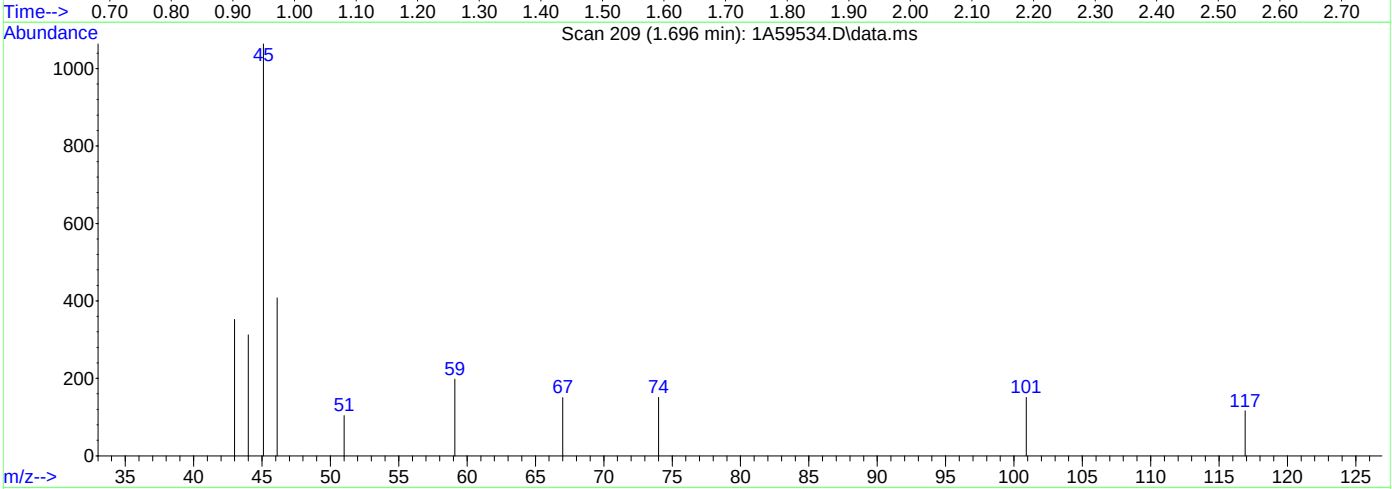
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		1.70	Poorly defined baseline
Carbon Tetrachloride	56-23-5		2.96	Overlapping peak
1-Chlorohexane	544-10-5		5.36	Poorly defined baseline
Ethylbenzene	100-41-4		5.39	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\092924\
Data File : 1A59534.D
Acq On : 29 Sep 2024 10:55 am
Operator : jeniferw
Sample : BS Inst : MSVOA17-1A_2A
Misc : MS57580,V1A3060,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 29 11:15:35 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration





TIC: 1A59534.D\data.ms

(10) Ethanol

1.696min (+0.000) 304.67ug/L

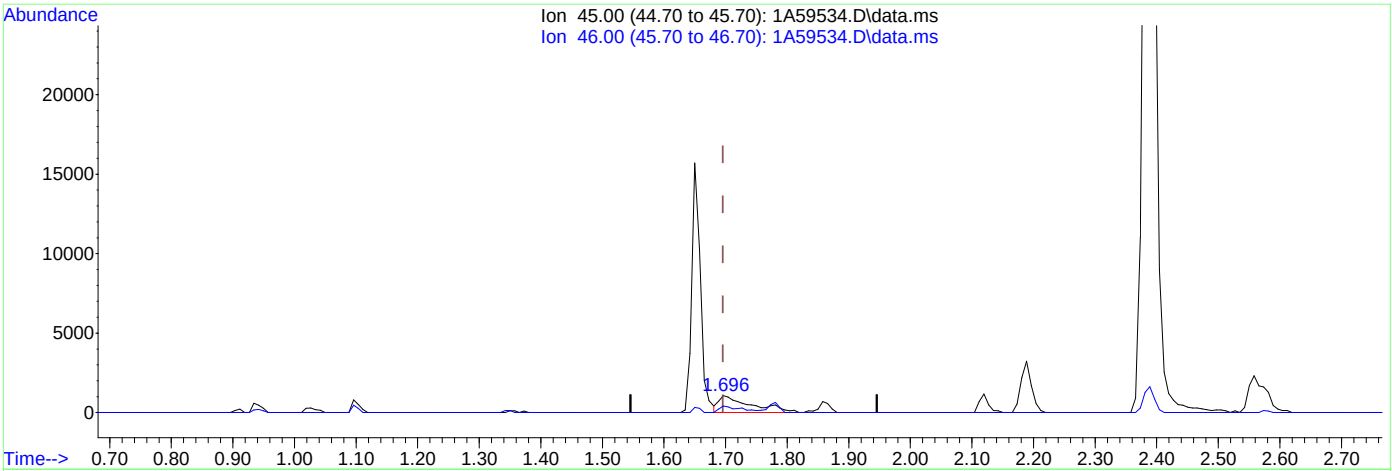
response 2056

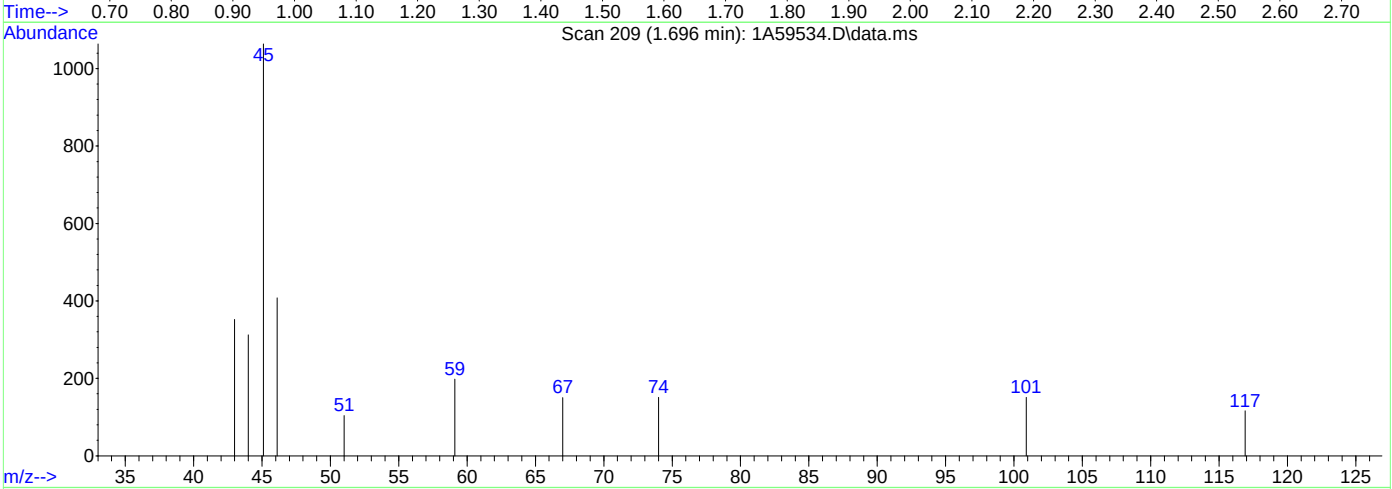
Ion	Exp%	Act%
45.00	100	100
46.00	35.50	54.04
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\092924\
Data File : 1A59534.D
Acq On : 29 Sep 2024 10:55 am
Operator : jeniferw
Sample : BS Inst : MSVOA17-1A_2A
Misc : MS57580,V1A3060,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 29 11:15:35 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration





TIC: 1A59534.D\data.ms

(10) Ethanol

1.696min (+0.000) 577.60ug/L m

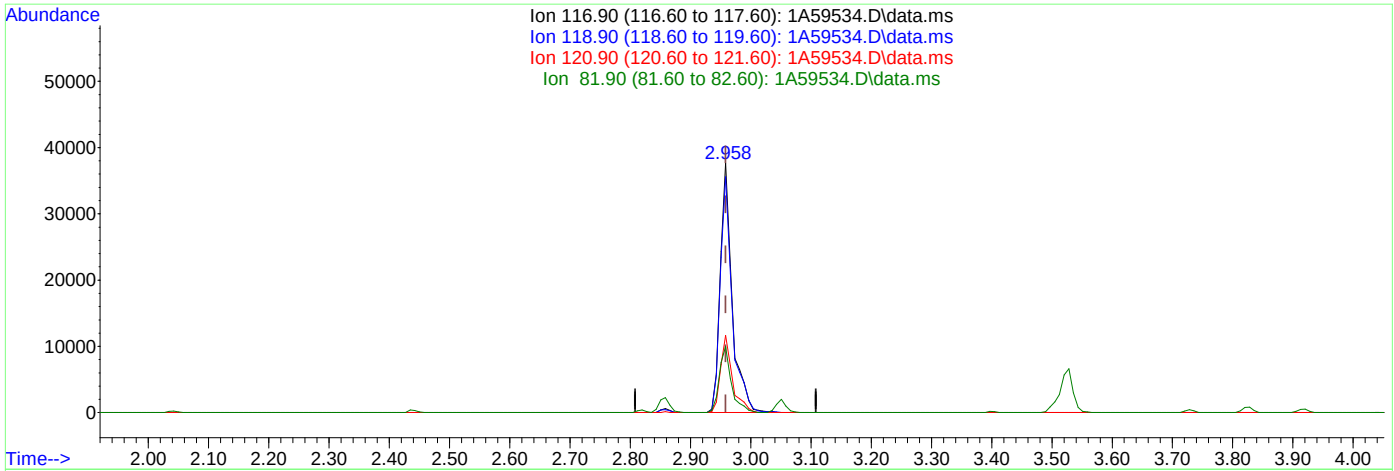
response 3915

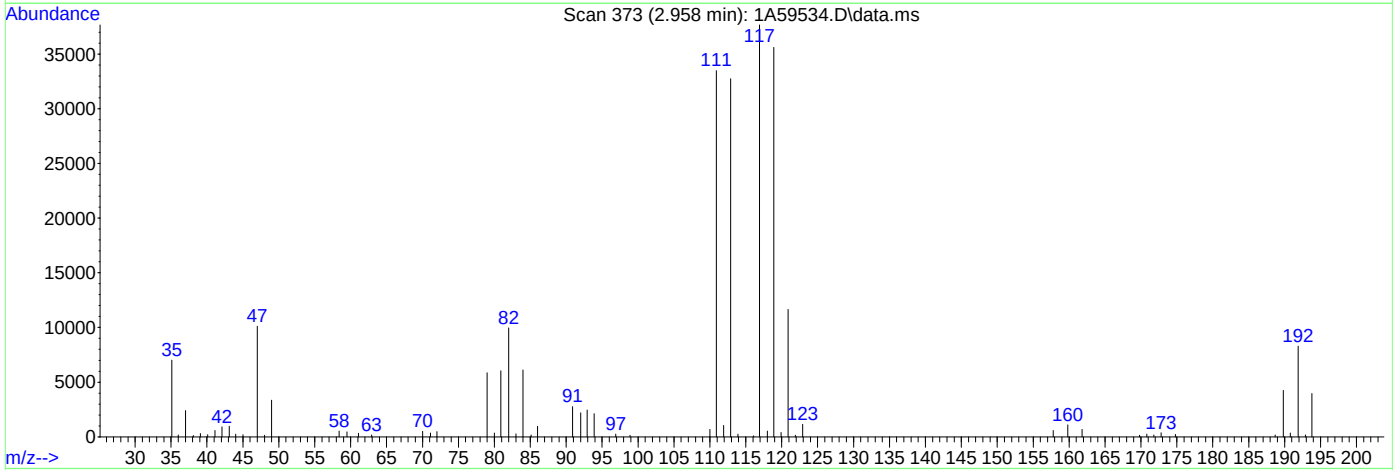
Ion	Exp%	Act%
45.00	100	100
46.00	35.50	38.35
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\092924\
Data File : 1A59534.D
Acq On : 29 Sep 2024 10:55 am
Operator : jeniferw
Sample : BS Inst : MSVOA17-1A_2A
Misc : MS57580,V1A3060,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 29 11:15:35 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration





TIC: 1A59534.D\data.ms

(40) Carbon Tetrachloride ( )

2.958min (-0.000) 29.52ug/L

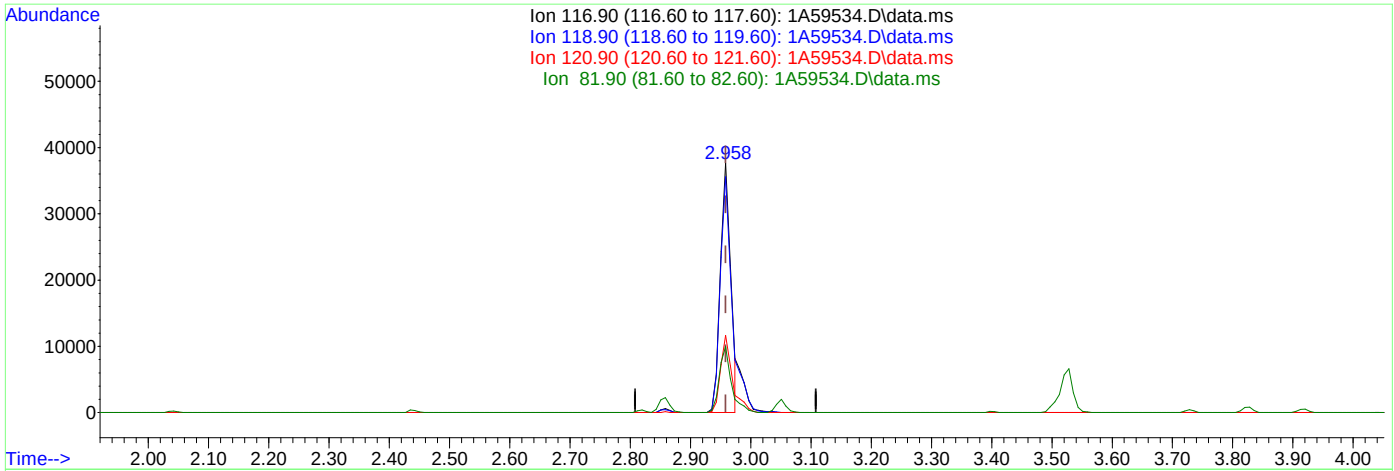
response 52226

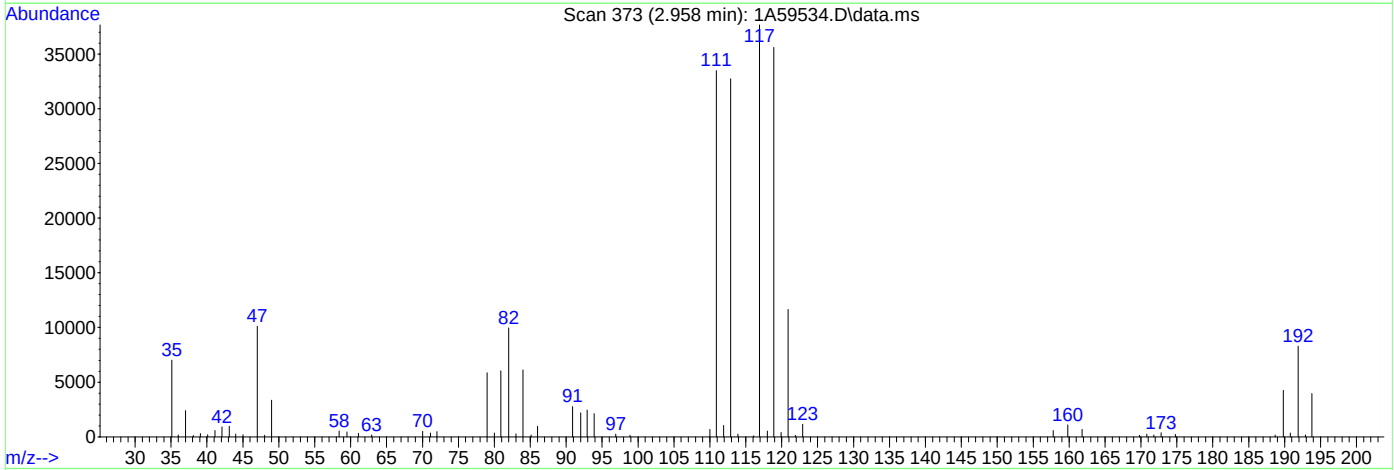
Ion	Exp%	Act%
116.90	100	100
118.90	97.80	94.50
120.90	30.90	30.92
81.90	25.10	26.42

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\092924\
Data File : 1A59534.D
Acq On : 29 Sep 2024 10:55 am
Operator : jeniferw
Sample : BS Inst : MSVOA17-1A_2A
Misc : MS57580,V1A3060,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 29 11:15:35 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration





TIC: 1A59534.D\data.ms

(40) Carbon Tetrachloride ( )

2.958min (-0.000) 25.81ug/L m

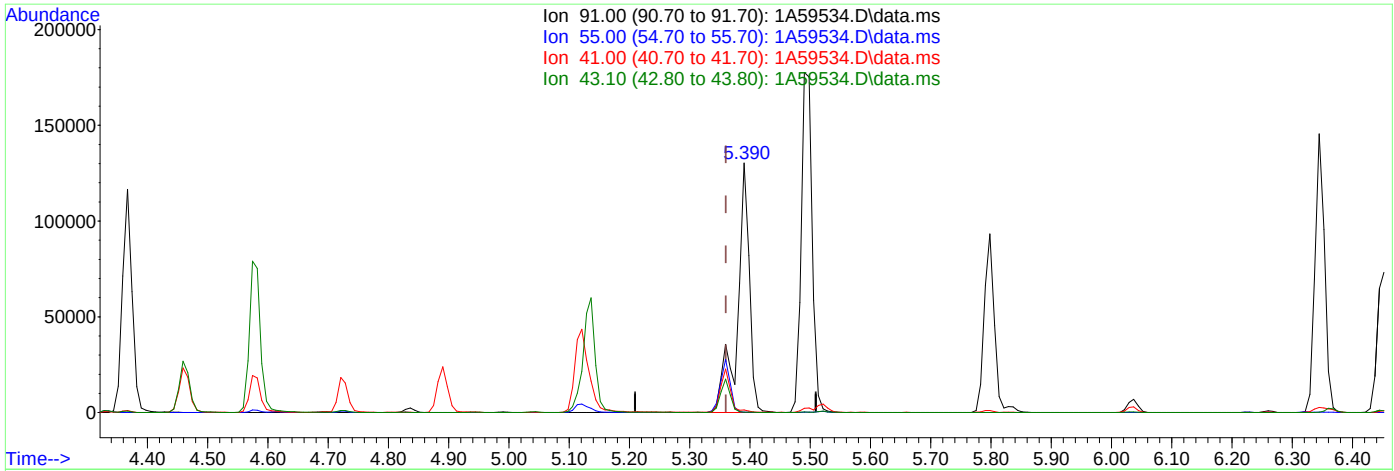
response 45655

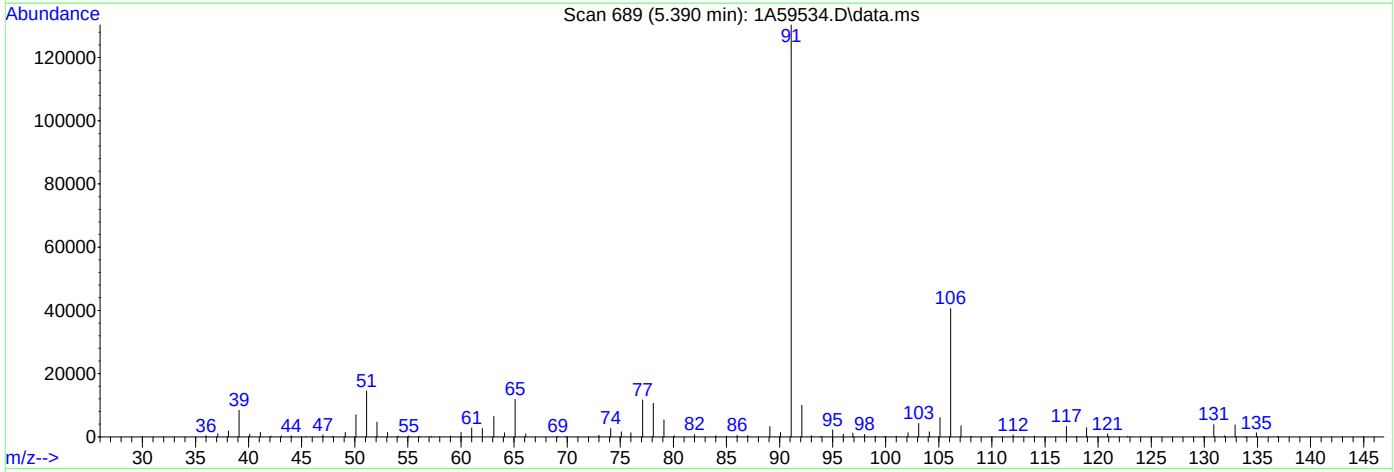
Ion	Exp%	Act%
116.90	100	100
118.90	97.80	94.50
120.90	30.90	30.92
81.90	25.10	26.42

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\092924\
Data File : 1A59534.D
Acq On : 29 Sep 2024 10:55 am
Operator : jeniferw
Sample : BS Inst : MSVOA17-1A_2A
Misc : MS57580,V1A3060,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 29 11:15:35 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration





TIC: 1A59534.D\data.ms

(76) 1-Chlorohexane

5.390min (+0.030) 100.92ug/L

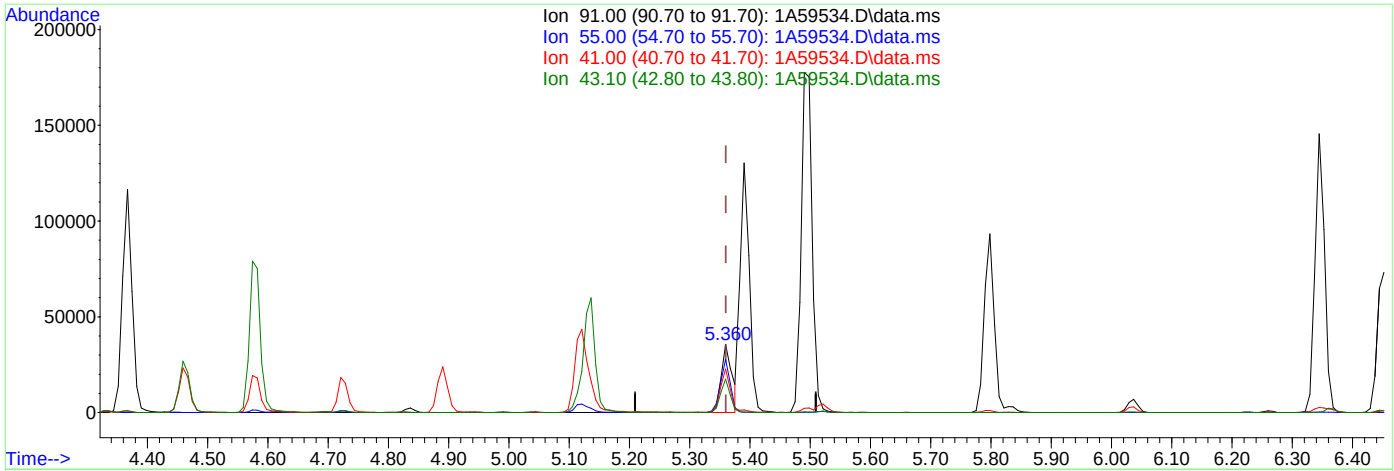
response 184391

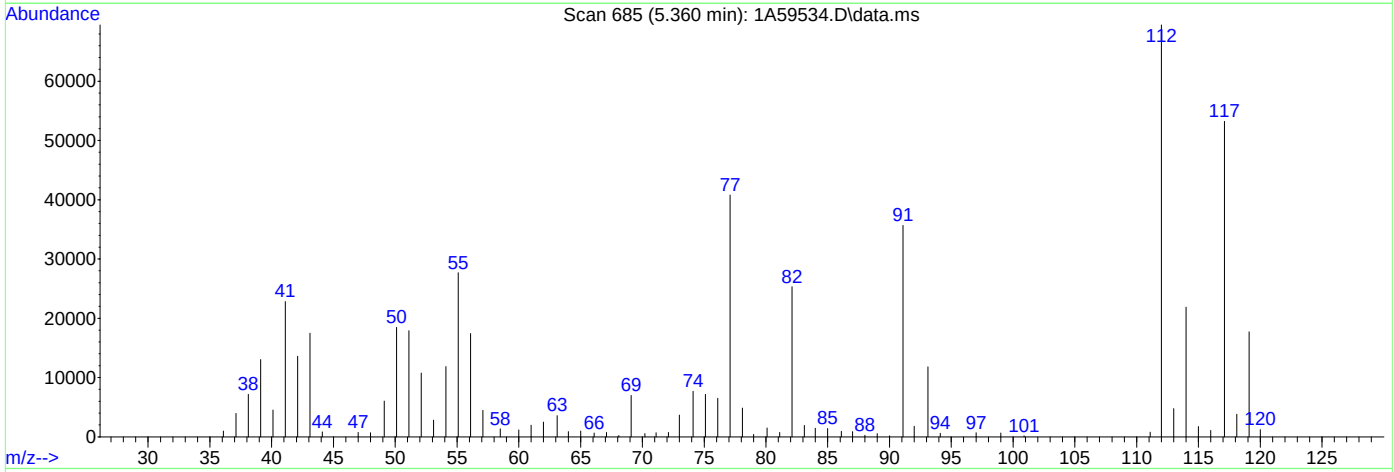
Ion	Exp%	Act%
91.00	100	100
55.00	69.60	0.21#
41.00	56.40	0.91#
43.10	42.00	0.22#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\092924\
Data File : 1A59534.D
Acq On : 29 Sep 2024 10:55 am
Operator : jeniferw
Sample : BS Inst : MSVOA17-1A_2A
Misc : MS57580,V1A3060,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 29 11:15:35 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration





TIC: 1A59534.D\data.ms

(76) 1-Chlorohexane

5.360min (-0.000) 24.20ug/L m

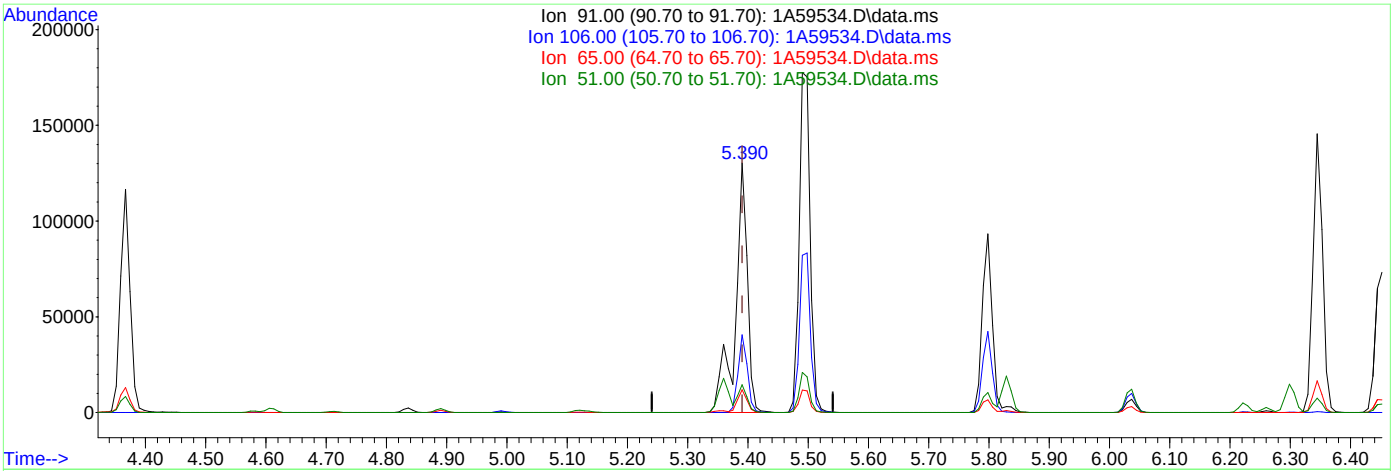
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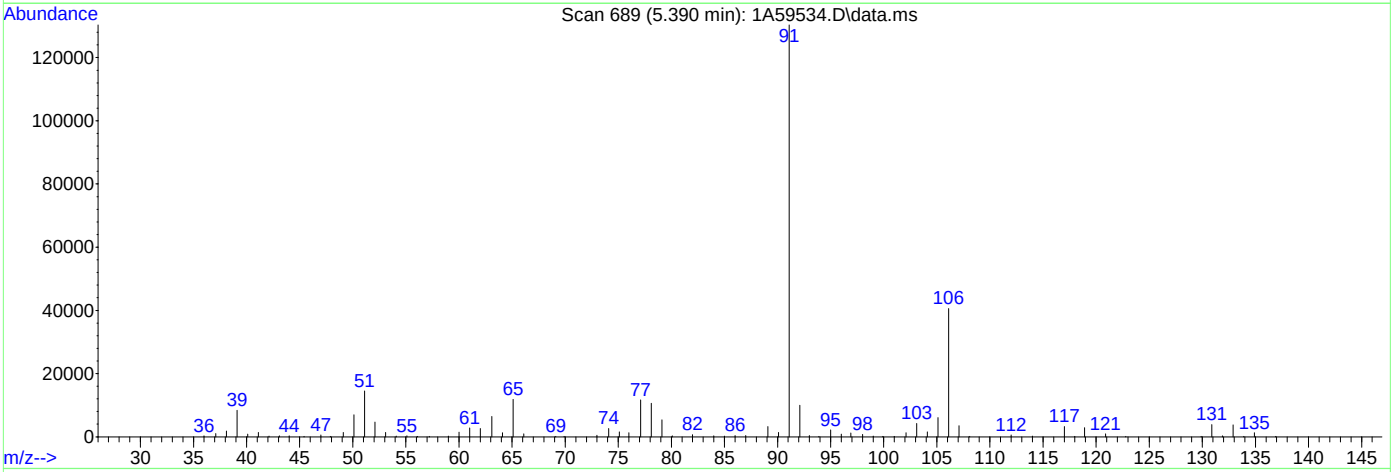
Ion	Exp%	Act%
91.00	100	100
55.00	69.60	77.63
41.00	56.40	63.99
43.10	42.00	49.07

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\092924\
Data File : 1A59534.D
Acq On : 29 Sep 2024 10:55 am
Operator : jeniferw
Sample : BS Inst : MSVOA17-1A_2A
Misc : MS57580,V1A3060,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 29 11:15:35 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration





TIC: 1A59534.D\data.ms

(77) Ethylbenzene

5.390min (-0.001) 31.13ug/L

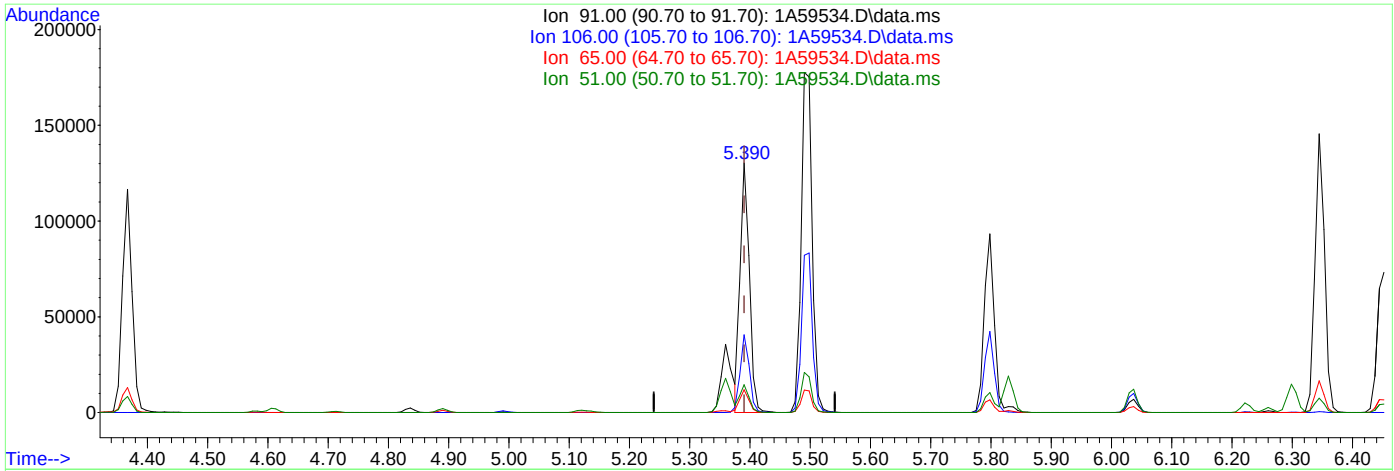
response 184391

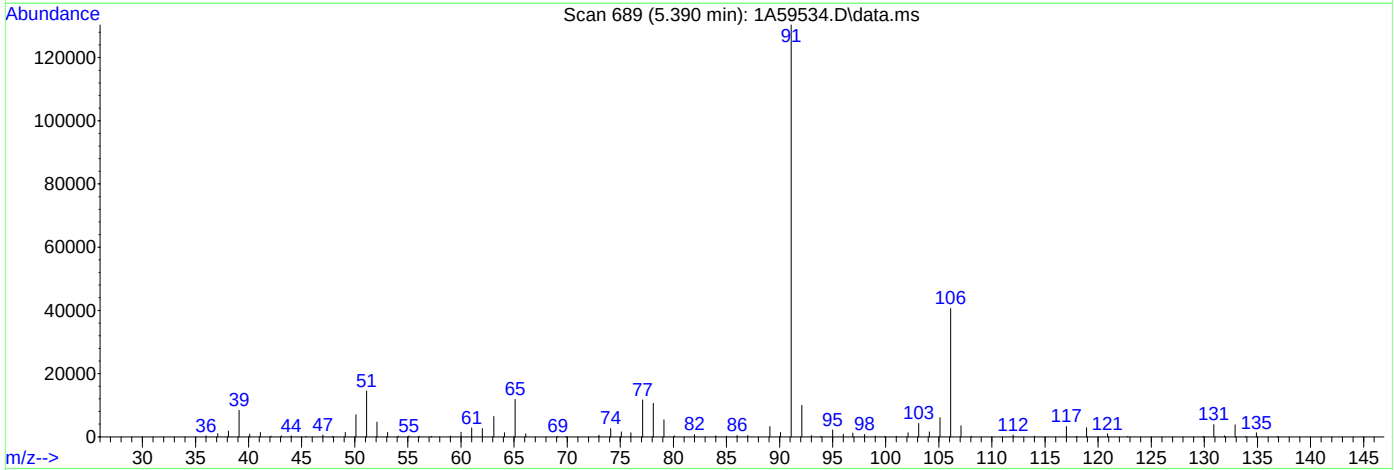
Ion	Exp%	Act%
91.00	100	100
106.00	30.40	31.15
65.00	8.50	9.11
51.00	10.30	11.11

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\092924\
Data File : 1A59534.D
Acq On : 29 Sep 2024 10:55 am
Operator : jeniferw
Sample : BS Inst : MSVOA17-1A_2A
Misc : MS57580,V1A3060,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 29 11:15:35 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration





TIC: 1A59534.D\data.ms

(77) Ethylbenzene

5.390min (-0.001) 23.66ug/L m

response 140145

Ion	Exp%	Act%
91.00	100	100
106.00	30.40	31.15
65.00	8.50	9.11
51.00	10.30	11.11

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
10/01/24 08:55

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\093024\
Data File : 1O87883.D
Acq On : 30 Sep 2024 6:51 am
Operator : jeniferw
Sample : BS Inst : MSVOA12-O
Misc : MS57595,V1O4089,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 30 07:13:39 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Aug 15 12:51:02 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.970	96	720736	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.964	117	483190	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.707	152	243070	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.507	113	186845	53.37	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 106.74%			
50) 1,2-Dichloroethane-d4	3.812	65	220713	50.00	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 100.00%			
63) Toluene-d8	4.927	98	712858	48.67	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 97.34%			
86) 4-Bromofluorobenzene	6.854	174	172231	47.50	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 95.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.196	85	88700	22.26	ug/L	99
3) Chloromethane	1.349	50	53398	19.90	ug/L	98
4) 1,3-butadiene	1.422	39	49316	21.66	ug/L	99
5) Vinyl Chloride	1.404	62	70942	21.94	ug/L	99
6) Bromomethane	1.635	94	31999	18.03	ug/L	100
7) Chloroethane	1.715	64	18704	20.41	ug/L	97
8) Trichlorofluoromethane	1.812	101	90393	24.03	ug/L	98
9) Ethyl Ether	2.026	59	48231	22.49	ug/L	96
10) Ethanol	2.129	45	30799	785.96	ug/L	99
11) 1,2-Dichlorotrifluoroe...	2.147	67	76817	23.43	ug/L	99
12) 1,1-Dichloroethene	2.147	61	93834	25.80	ug/L	95
13) Freon 113	2.172	101	60429	24.80	ug/L	98
14) Carbon Disulfide	2.160	76	178117	21.87	ug/L	100
15) Iodomethane	2.233	142	32544	10.91	ug/L	99
16) Acrolein	2.349	56	73666	106.37	ug/L	98
17) Allyl chloride	2.434	41	69967	24.19	ug/L	96
18) Methylene Chloride	2.495	49	71923	26.08	ug/L	96
19) Acetone	2.525	43	172494	134.27	ug/L	99
20) Methyl acetate	2.599	43	330784	114.54	ug/L	97
21) trans-1,2-Dichloroethene	2.592	61	92466	24.87	ug/L	97
22) Hexane	2.641	56	41305	23.44	ug/L	87
23) Methyl Tert Butyl Ether	2.653	73	197562	22.60	ug/L	95
24) Tert Butyl Alcohol	2.708	59	165811	211.50	ug/L	91
25) Acetonitrile	2.794	41	124003	293.69	ug/L	100
26) Di-isopropyl ether	2.873	45	148385	21.79	ug/L	96
27) Chloroprene	2.934	53	83071	27.61	ug/L	99
28) 1,1-Dichloroethane	2.946	63	119482	24.72	ug/L	100
29) Acrylonitrile	2.970	52	143351	114.07	ug/L	99
30) ETBE	3.080	59	166922	22.07	ug/L	95
31) Vinyl acetate	3.080	43	658778	133.60	ug/L	98
32) cis-1,2-Dichloroethene	3.251	96	77898	26.16	ug/L	98
33) 2,2-Dichloropropane	3.312	77	98177	24.50	ug/L	98
34) Bromochloromethane	3.361	128	30316	22.32	ug/L	96
35) Cyclohexane	3.373	56	81285	22.33	ug/L	95
36) Chloroform	3.403	83	142693	25.97	ug/L	99
37) Ethyl acetate	3.458	43	455297	116.24	ug/L	99
38) Tetrahydrofuran	3.489	42	29217	19.19	ug/L	98
40) Carbon Tetrachloride	3.489	117	79027m	29.03	ug/L	
41) 1,1,1-Trichloroethane	3.525	97	113356	27.52	ug/L	95
42) 2-Butanone	3.568	43	243553	108.59	ug/L	99
43) 1,1-Dichloropropene	3.592	75	103433	28.48	ug/L	99
44) tert-Butyl formate	3.653	59	165515	104.61	ug/L	89

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\093024\
Data File : 1O87883.D
Acq On : 30 Sep 2024 6:51 am
Operator : jeniferw
Sample : BS Inst : MSVOA12-O
Misc : MS57595,V1O4089,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 30 07:13:39 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Aug 15 12:51:02 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45)	Propionitrile	3.739	54	172379	256.34	ug/L		88
46)	Methacrylonitrile	3.751	41	543382	254.67	ug/L		99
47)	Benzene	3.739	78	301619	24.76	ug/L		86
48)	TAME	3.897	73	92195	23.57	ug/L	#	83
49)	Isobutyl alcohol	3.836	43	118869m	591.89	ug/L		
51)	1,2-Dichloroethane	3.848	62	101017	27.11	ug/L		98
52)	Tert Amyl Alcohol	3.897	59	124512	230.13	ug/L		89
53)	Trichloroethene	4.074	95	78481	25.29	ug/L		99
54)	Methylcyclohexane	4.074	83	100437	23.97	ug/L		97
55)	Dibromomethane	4.324	93	49133	25.93	ug/L		97
56)	1,2-Dichloropropane	4.385	63	69142	25.20	ug/L		97
57)	Bromodichloromethane	4.415	83	92059	27.12	ug/L		96
58)	Methyl methacrylate	4.501	41	63392	26.51	ug/L		97
59)	1,4-Dioxane	4.537	88	39935	708.33	ug/L		98
60)	2-Chloroethyl vinyl ether	4.757	63	262407	118.85	ug/L		98
61)	cis-1,3-Dichloropropene	4.805	75	108779	25.83	ug/L		100
64)	Toluene	4.958	91	306685	23.94	ug/L		99
65)	2-Nitropropane	5.098	41	80990	184.61	ug/L		99
66)	4-Methyl-2-pentanone	5.190	43	451594	115.33	ug/L		99
67)	trans-1,3-Dichloropropene	5.220	75	100699	23.83	ug/L		99
68)	Tetrachloroethene	5.214	166	64427	25.56	ug/L		98
69)	Ethyl methacrylate	5.318	69	108637	24.70	ug/L		98
70)	1,1,2-Trichloroethane	5.330	83	62547	24.77	ug/L		97
71)	Dibromochloromethane	5.452	129	63229	28.32	ug/L		99
72)	1,3-Dichloropropane	5.513	76	125777	24.66	ug/L		98
73)	1,2-Dibromoethane	5.616	107	71936	25.22	ug/L		95
74)	3,3-dimethyl-1-butanol	5.732	57	785667	1269.57	ug/L		99
75)	2-hexanone	5.750	43	484745	119.81	ug/L		97
76)	1-Chlorohexane	5.958	91	82581m	21.76	ug/L		
77)	Ethylbenzene	5.994	91	337734	24.43	ug/L		99
78)	Chlorobenzene	5.976	112	187009	24.30	ug/L		98
79)	1,1,1,2-Tetrachloroethane	6.019	131	57574	28.08	ug/L		98
80)	m,p-Xylene	6.098	91	523197	49.52	ug/L		100
81)	o-Xylene	6.409	91	257342	24.60	ug/L		99
82)	Styrene	6.445	104	191287	25.43	ug/L		99
83)	Bromoform	6.464	173	33350	28.85	ug/L		97
84)	Isopropylbenzene	6.640	105	288562	25.37	ug/L		99
87)	cis-1,4-Dichloro-2-butene	6.897	53	28794	24.81	ug/L		95
88)	n-Propylbenzene	6.951	91	362343	23.88	ug/L		100
89)	Bromobenzene	6.933	156	68927	23.12	ug/L		98
90)	1,1,2,2-Tetrachloroethane	7.000	83	115591	23.09	ug/L		99
91)	1,3,5-Trimethylbenzene	7.104	105	253510	25.48	ug/L		100
92)	2-Chlorotoluene	7.073	91	250438	23.35	ug/L		99
93)	trans-1,4-Dichloro-2-B...	7.134	53	24284	23.75	ug/L	#	85
94)	1,2,3-Trichloropropane	7.104	110	36790	23.29	ug/L		98
95)	Cyclohexanone	7.140	55	53212	256.01	ug/L		97
96)	4-Chlorotoluene	7.201	91	236179	23.55	ug/L		99
97)	tert-Butylbenzene	7.354	91	144219	24.82	ug/L		97
99)	1,2,4-Trimethylbenzene	7.403	105	250887	25.74	ug/L		98
100)	Pentachloroethane	7.366	167	31369	28.61	ug/L	#	67
101)	sec-Butylbenzene	7.488	105	276364	24.65	ug/L		99
102)	4-Isopropyltoluene	7.598	119	229583	25.83	ug/L		100
103)	1,3-Dichlorobenzene	7.652	146	128853	23.99	ug/L		98
104)	1,2,3-Trimethylbenzene	7.738	105	250357	23.55	ug/L		99
105)	1,4-Dichlorobenzene	7.720	146	134124	24.44	ug/L		97
106)	n-Butylbenzene	7.909	92	140253	25.77	ug/L		89
107)	Benzyl Chloride	7.902	126	23212	22.23	ug/L	#	35
108)	1,2-Dichlorobenzene	8.024	146	121258	23.89	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\093024\
Data File : 1O87883.D
Acq On : 30 Sep 2024 6:51 am
Operator : jeniferw
Sample : BS Inst : MSVOA12-O
Misc : MS57595,V1O4089,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 30 07:13:39 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Aug 15 12:51:02 2024
Response via : Initial Calibration

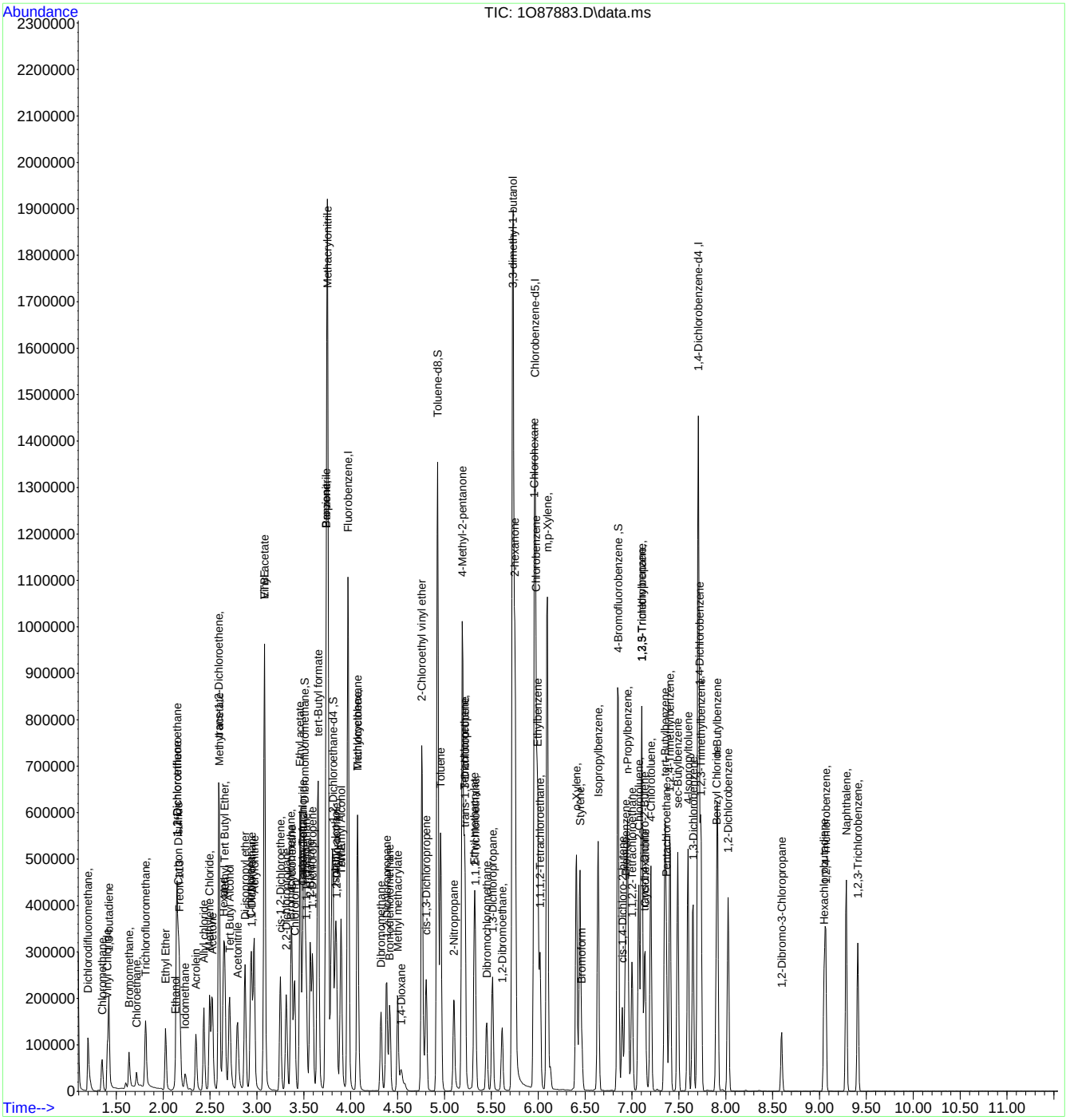
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
109) 1,2-Dibromo-3-Chloropr...	8.597	75	26869	24.32	ug/L	95
110) Hexachlorobutadiene	9.049	225	26108	30.37	ug/L	93
111) 1,2,4-Trichlorobenzene	9.067	180	65977	27.67	ug/L	97
112) Naphthalene	9.286	128	256238	24.51	ug/L	100
113) 1,2,3-Trichlorobenzene	9.408	180	62105	28.21	ug/L	94

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\093024\
Data File : 1O87883.D
Acq On : 30 Sep 2024 6:51 am
Operator : jeniferw
Sample : BS Inst : MSVOA12-O
Misc : MS57595,V1O4089,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 30 07:13:39 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Aug 15 12:51:02 2024
Response via : Initial Calibration



Manual Integration Approval Summary

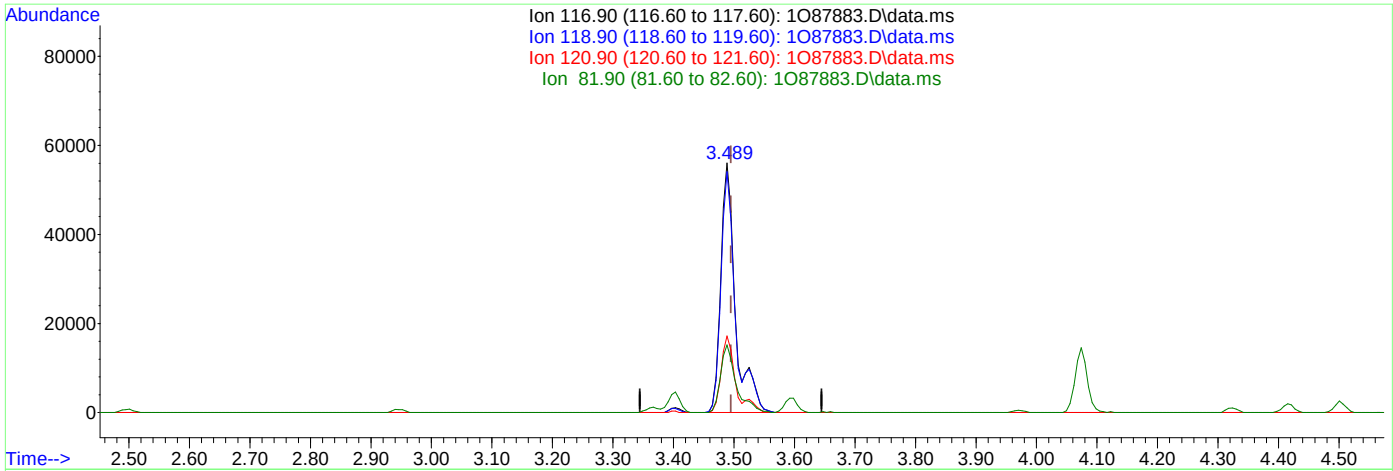
Sample Number: V1O4089-BS
Lab FileID: 1O87883.D
Injection Time: 09/30/24 06:51
Method: SW846 8260D
Analyst approved: 09/30/24 07:16 Jenifer Willis
Supervisor approved: 10/01/24 08:55 Karen Watson

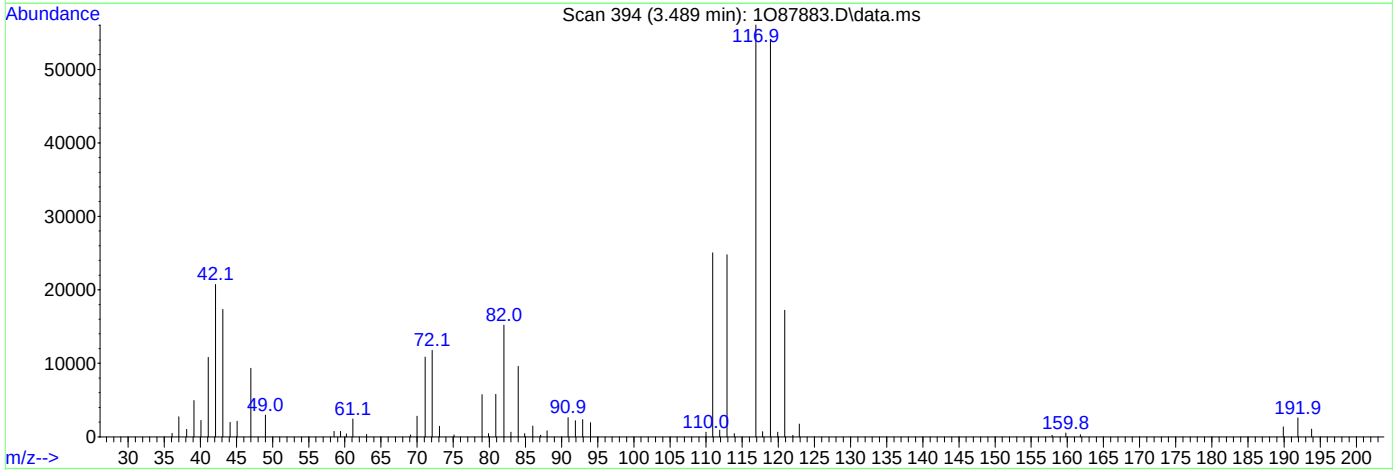
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.49	Overlapping peak
Isobutyl Alcohol	78-83-1		3.84	Poorly defined baseline
1-Chlorohexane	544-10-5		5.96	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\093024\
Data File : 1O87883.D
Acq On : 30 Sep 2024 6:51 am
Operator : jeniferw
Sample : BS Inst : MSVOA12-O
Misc : MS57595,V1O4089,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 30 07:13:05 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Aug 15 12:51:02 2024
Response via : Initial Calibration





TIC: 1O87883.D\data.ms

(40) Carbon Tetrachloride ( )

3.489min (-0.006) 34.60ug/L

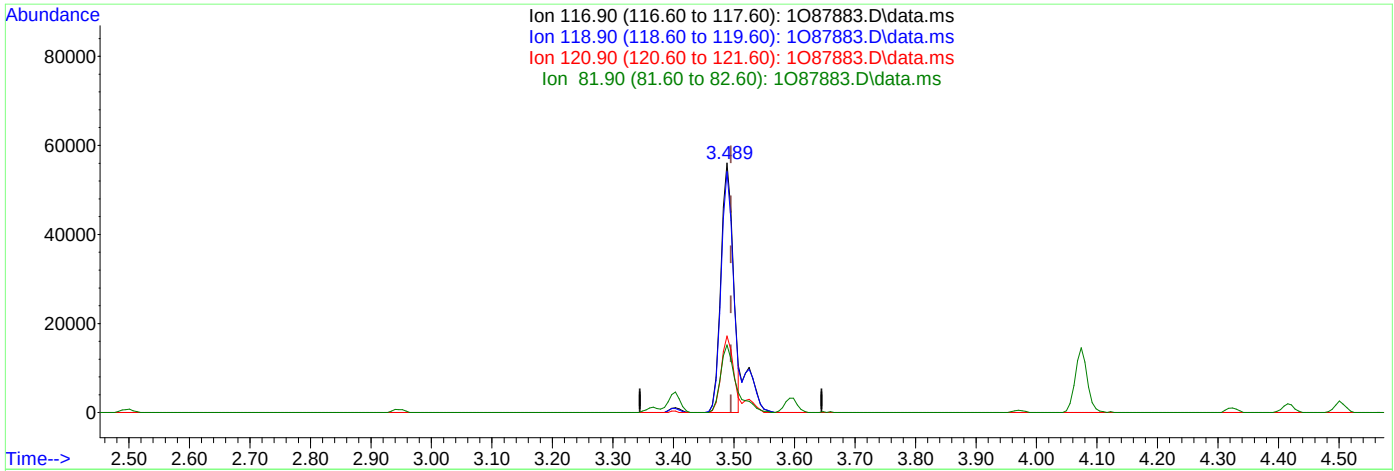
response 94205

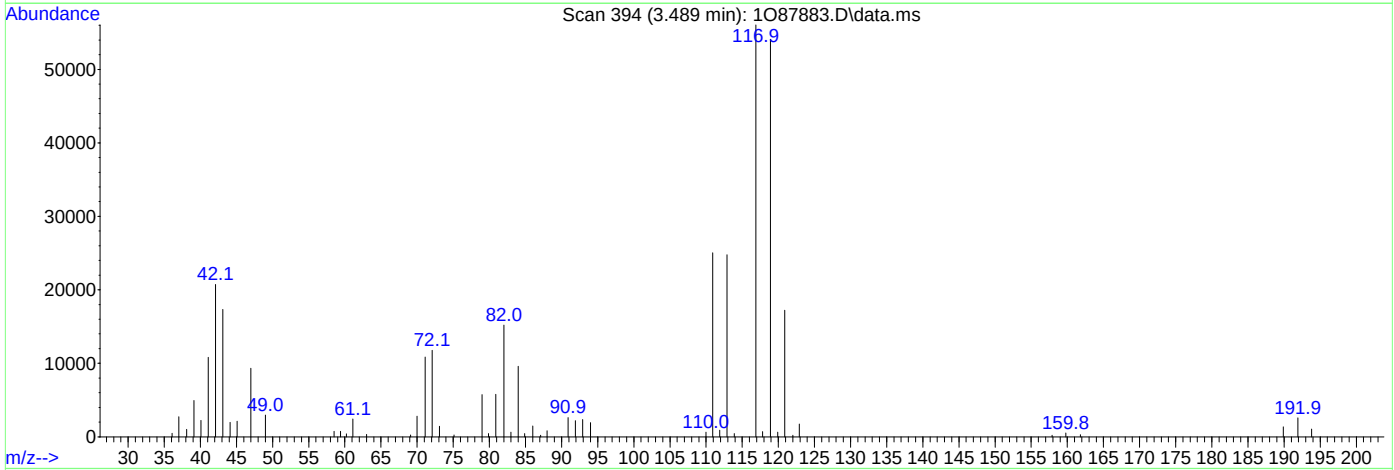
Ion	Exp%	Act%
116.90	100	100
118.90	99.70	96.49
120.90	31.50	30.69
81.90	28.20	27.11

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\093024\
Data File : 1O87883.D
Acq On : 30 Sep 2024 6:51 am
Operator : jeniferw
Sample : BS Inst : MSVOA12-O
Misc : MS57595,V1O4089,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 30 07:13:05 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Aug 15 12:51:02 2024
Response via : Initial Calibration





TIC: 1O87883.D\data.ms

(40) Carbon Tetrachloride ( )

3.489min (-0.006) 29.03ug/L m

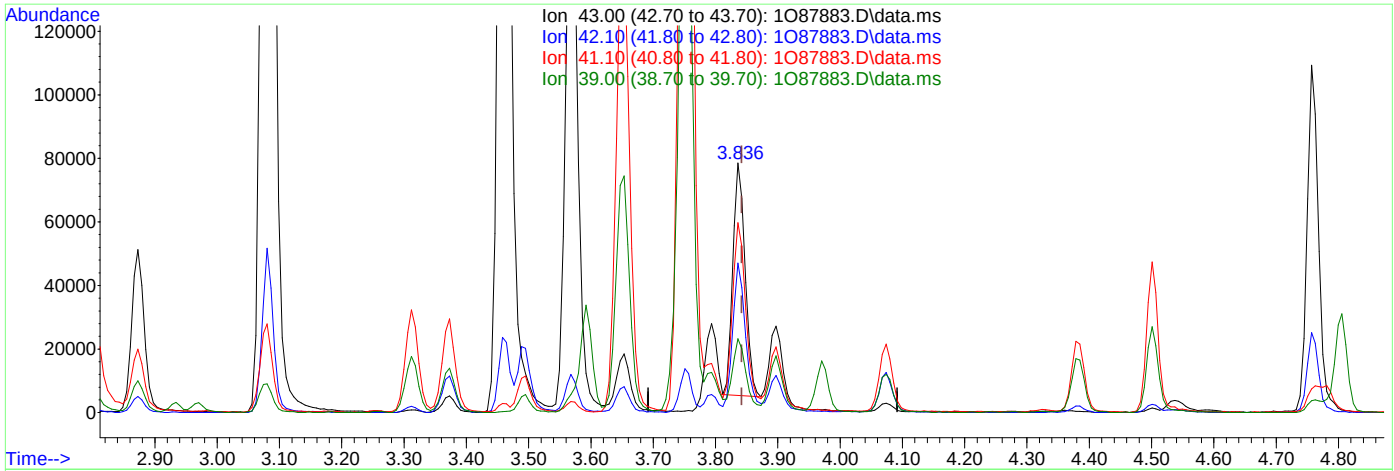
response 79027

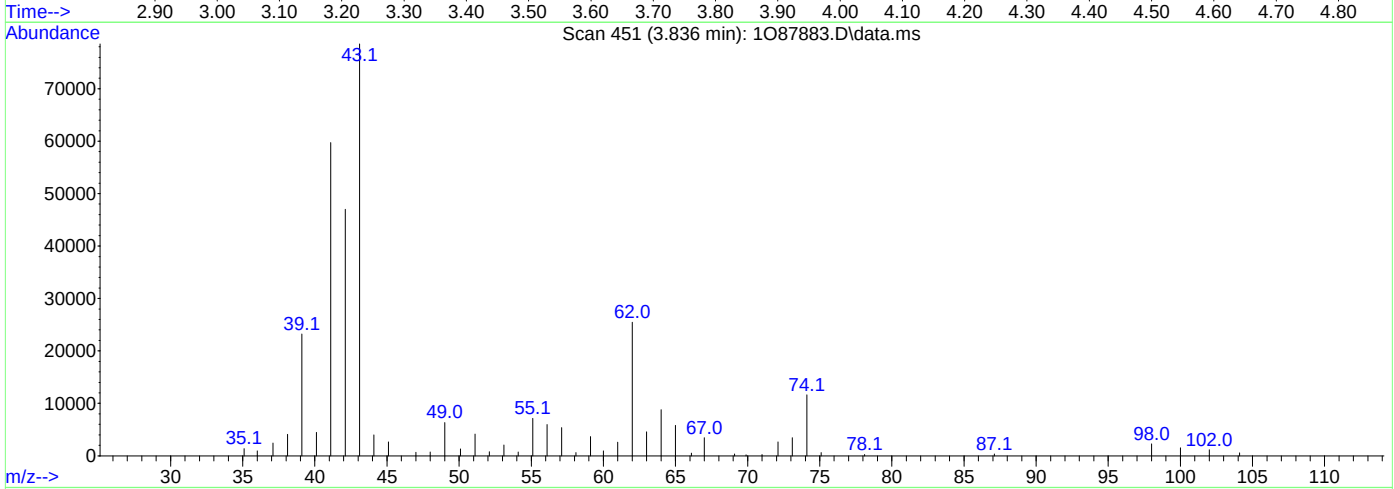
Ion	Exp%	Act%
116.90	100	100
118.90	99.70	96.49
120.90	31.50	30.69
81.90	28.20	27.11

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\093024\
Data File : 1O87883.D
Acq On : 30 Sep 2024 6:51 am
Operator : jeniferw
Sample : BS Inst : MSVOA12-O
Misc : MS57595,V1O4089,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 30 07:13:05 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Aug 15 12:51:02 2024
Response via : Initial Calibration





TIC: 1O87883.D\data.ms

(49) Isobutyl alcohol

3.836min (-0.006) 494.47ug/L

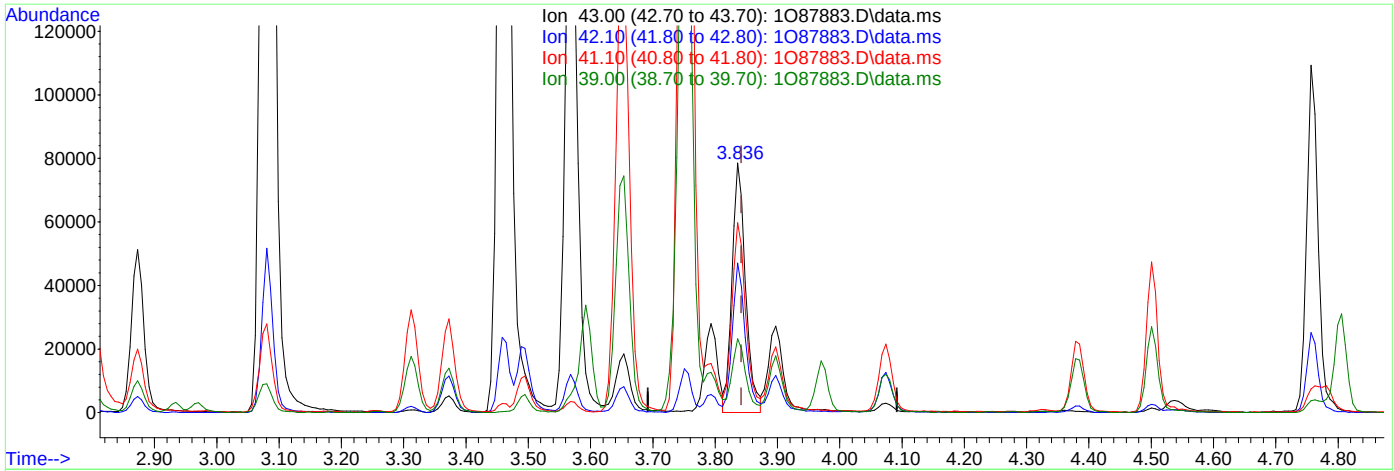
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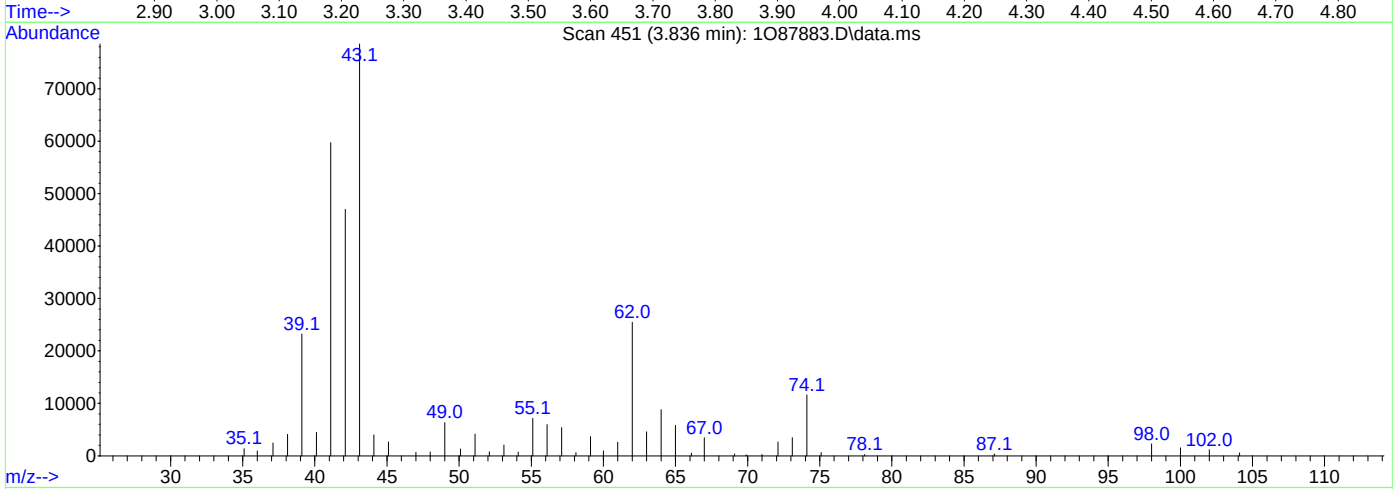
Ion	Exp%	Act%
43.00	100	100
42.10	60.40	61.28
41.10	76.50	75.31
39.00	27.90	28.48

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\093024\
Data File : 1O87883.D
Acq On : 30 Sep 2024 6:51 am
Operator : jeniferw
Sample : BS Inst : MSVOA12-O
Misc : MS57595,V1O4089,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 30 07:13:05 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Aug 15 12:51:02 2024
Response via : Initial Calibration





TIC: 1O87883.D\data.ms

(49) Isobutyl alcohol

3.836min (-0.006) 591.89ug/L m

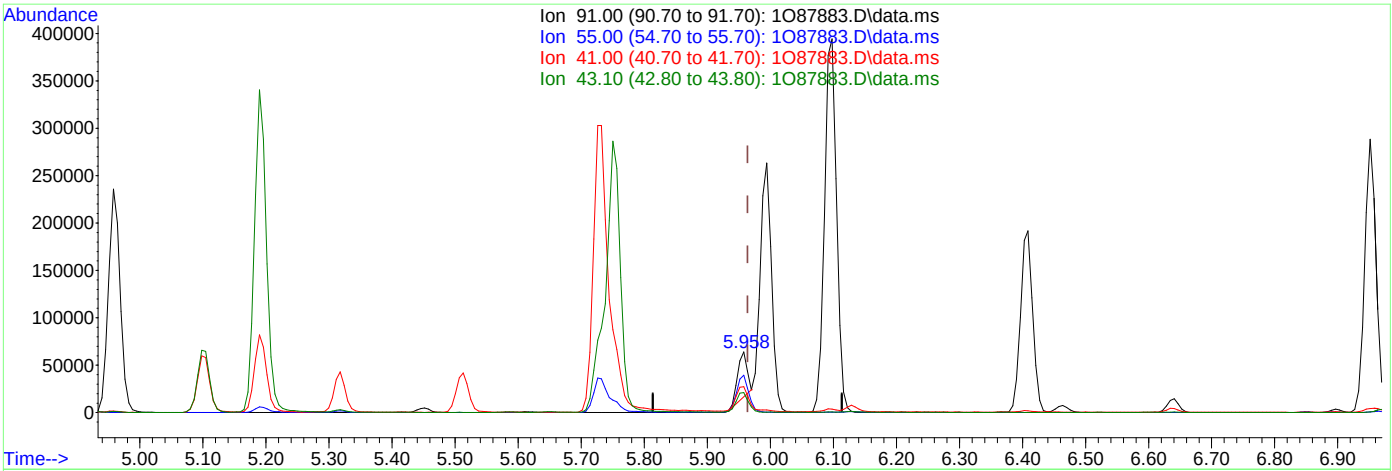
response 118869

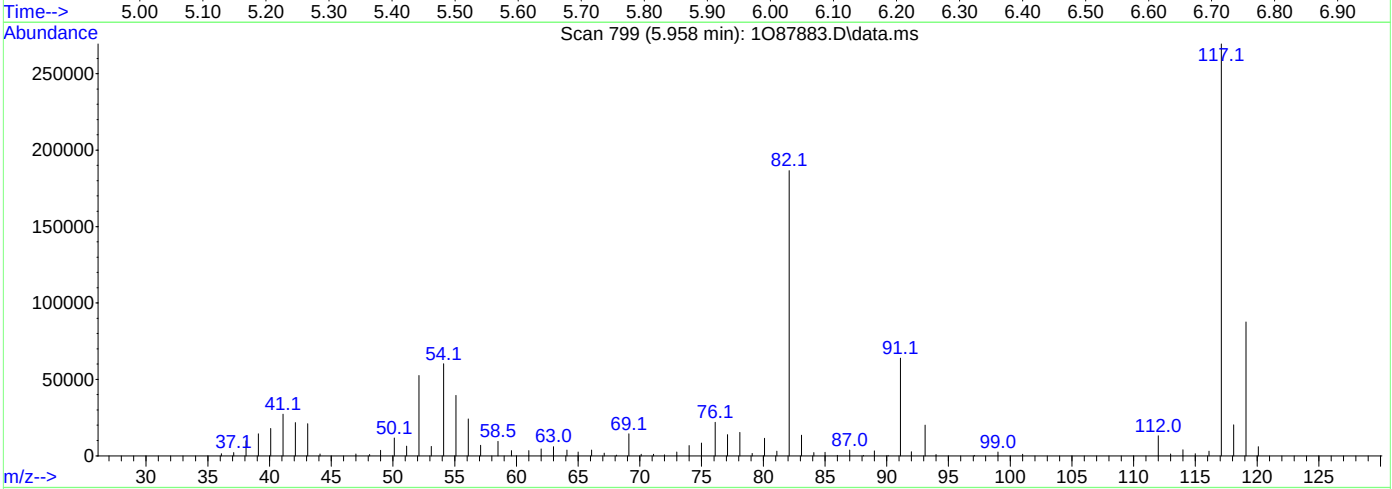
Ion	Exp%	Act%
43.00	100	100
42.10	60.40	59.83
41.10	76.50	76.05
39.00	27.90	29.58

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\093024\
Data File : 1O87883.D
Acq On : 30 Sep 2024 6:51 am
Operator : jeniferw
Sample : BS Inst : MSVOA12-O
Misc : MS57595,V1O4089,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 30 07:13:05 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Aug 15 12:51:02 2024
Response via : Initial Calibration





TIC: 1O87883.D\data.ms

(76) 1-Chlorohexane

5.958min (-0.006) 14.26ug/L

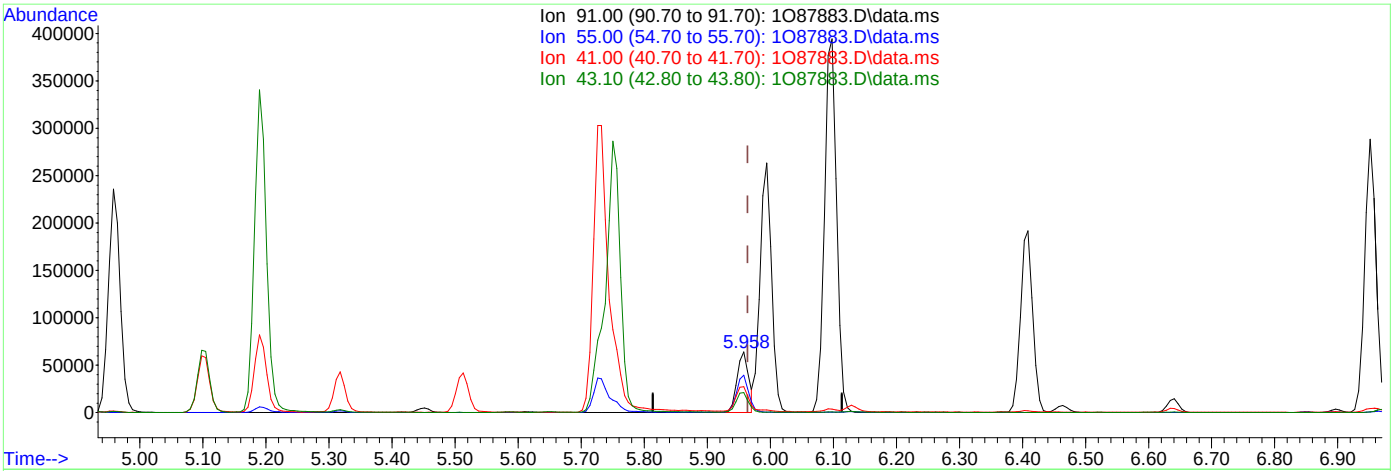
response 54143

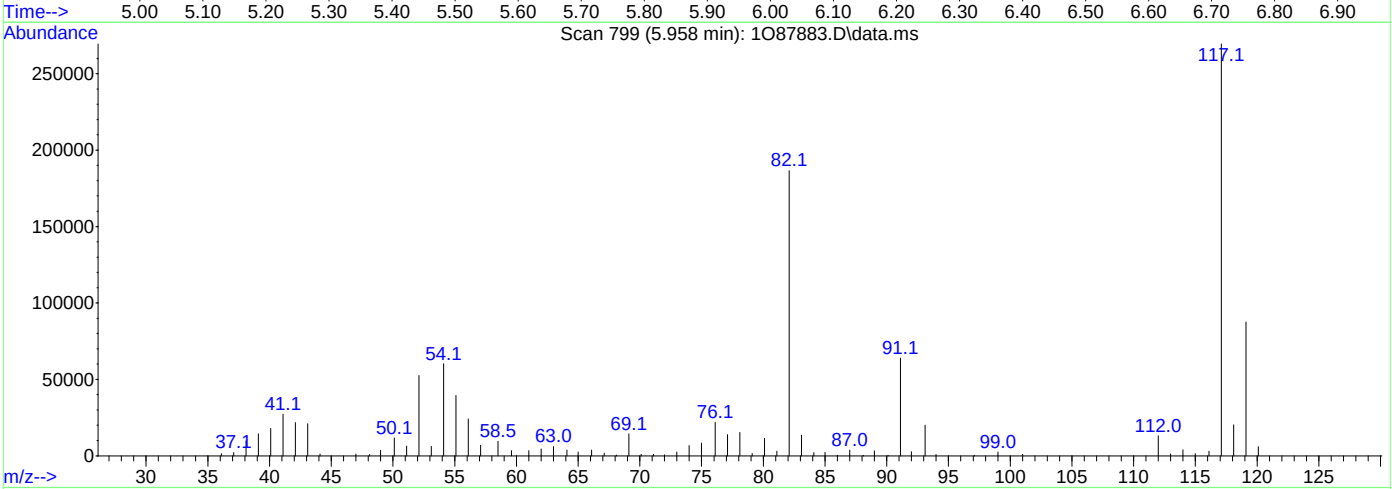
Ion	Exp%	Act%
91.00	100	100
55.00	61.00	61.24
41.00	43.40	39.80
43.10	34.90	31.82

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\093024\
Data File : 1O87883.D
Acq On : 30 Sep 2024 6:51 am
Operator : jeniferw
Sample : BS Inst : MSVOA12-O
Misc : MS57595,V1O4089,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 30 07:13:05 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Aug 15 12:51:02 2024
Response via : Initial Calibration





TIC: 1O87883.D\data.ms

(76) 1-Chlorohexane

5.958min (-0.006) 21.76ug/L m

response 82581

Ion	Exp%	Act%
91.00	100	100
55.00	61.00	61.96
41.00	43.40	42.74
43.10	34.90	32.91

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
10/04/24 12:04

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100124\
Data File : 1A59593.D
Acq On : 1 Oct 2024 7:07 am
Operator : jeniferw
Sample : BS Inst : MSVOA17-1A_2A
Misc : MS57600,V1A3062,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 01 07:21:02 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.397	96	254458	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.352	117	179982	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.091	152	93672	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	2.951	113	71870	49.52	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.04%			
49) 1,2-Dichloroethane-d4	3.235	65	83064	52.03	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 104.06%			
63) Toluene-d8	4.336	98	249022	49.14	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 98.28%			
86) 4-Bromofluorobenzene	6.229	174	76747	49.79	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.58%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.019	85	38800	27.47	ug/L	99
3) Chloromethane	1.127	50	33039	25.56	ug/L	98
4) 1,3-butadiene	1.180	39	32398	27.82	ug/L	91
5) Vinyl Chloride	1.165	62	34642	24.33	ug/L	99
6) Bromomethane	1.342	94	18470	24.14	ug/L	99
7) Chloroethane	1.411	64	21590	22.28	ug/L	99
8) Trichlorofluoromethane	1.488	101	48437	22.34	ug/L	100
9) Ethyl Ether	1.650	59	22865	25.39	ug/L	98
10) Ethanol	1.696	45	4636m	673.39	ug/L	
11) 1,2-Dichlorotrifluoroe...	1.742	67	37028	24.75	ug/L	98
12) 1,1-Dichloroethene	1.758	61	53099	29.62	ug/L	97
13) Freon 113	1.781	101	31561	26.46	ug/L	99
14) Carbon Disulfide	1.773	76	88639	24.54	ug/L	92
15) Iodomethane	1.827	142	20886	27.03	ug/L	99
16) Acrolein	1.904	56	17621	135.83	ug/L	98
17) Allyl chloride	1.988	41	48822	29.72	ug/L	97
18) Methylene Chloride	2.042	49	46848	28.51	ug/L	96
19) Acetone	2.042	43	32821	147.25	ug/L	96
20) Methyl acetate	2.119	43	84769	138.76	ug/L	98
21) trans-1,2-Dichloroethene	2.135	61	51463	28.90	ug/L	99
22) Hexane	2.189	56	29286	26.37	ug/L	97
23) Methyl Tert Butyl Ether	2.189	73	72040	26.38	ug/L	97
24) Acetonitrile	2.266	41	26688	297.98	ug/L	96
25) Tert Butyl Alcohol	2.204	59	17127	284.28	ug/L	93
26) Di-isopropyl ether	2.389	45	93236	25.93	ug/L	98
27) Chloroprene	2.435	53	100239	29.45	ug/L	99
28) 1,1-Dichloroethane	2.435	63	64177	27.83	ug/L	98
29) Acrylonitrile	2.435	52	50596	141.95	ug/L	100
30) ETBE	2.573	59	89388	26.93	ug/L	99
31) Vinyl acetate	2.558	43	325411	162.27	ug/L	98
32) cis-1,2-Dichloroethene	2.712	96	36322	26.83	ug/L	98
33) 2,2-Dichloropropane	2.781	77	51062	30.34	ug/L	98
34) Bromochloromethane	2.820	128	16311	24.31	ug/L	95
35) Cyclohexane	2.858	56	56178	26.30	ug/L	98
36) Chloroform	2.858	83	64884	27.18	ug/L	98
37) Ethyl acetate	2.912	43	116428	145.86	ug/L	98
38) Tetrahydrofuran	2.943	42	5654	23.45	ug/L	95
40) Carbon Tetrachloride	2.958	117	50668m	28.24	ug/L	
41) 1,1,1-Trichloroethane	2.981	97	57312	29.28	ug/L	98
42) 2-Butanone	2.997	43	48976	142.69	ug/L	98
43) 1,1-Dichloropropene	3.051	75	48580	31.13	ug/L	96
44) tert-Butyl formate	3.089	59	117295	194.22	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100124\
Data File : 1A59593.D
Acq On : 1 Oct 2024 7:07 am
Operator : jeniferw
Sample : BS Inst : MSVOA17-1A_2A
Misc : MS57600,V1A3062,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 01 07:21:02 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Propionitrile	3.135	54	33334	311.21	ug/L		99
46) Methacrylonitrile	3.158	41	163664	311.06	ug/L		98
47) Benzene	3.174	78	137783	27.67	ug/L		94
48) TAME	3.243	73	69076	25.75	ug/L		94
50) 1,2-Dichloroethane	3.266	62	47931	28.59	ug/L		97
51) Isobutyl Alcohol	3.251	43	40825	595.69	ug/L		85
52) Tert Amyl Alcohol	3.320	59	13309	310.22	ug/L		98
53) Trichloroethene	3.505	95	38934	27.79	ug/L		94
54) Methylcyclohexane	3.528	83	53460	25.64	ug/L		97
55) Dibromomethane	3.728	93	20448	26.46	ug/L		98
56) 1,2-Dichloropropane	3.789	63	35283	26.88	ug/L		93
57) Bromodichloromethane	3.828	83	45214	27.35	ug/L		96
58) Methyl methacrylate	3.913	41	22523	32.58	ug/L		93
59) 1,4-Dioxane	3.936	88	3423	614.96	ug/L		87
60) 2-Chloroethyl vinyl ether	4.159	63	73793	160.15	ug/L		94
61) cis-1,3-Dichloropropene	4.205	75	50918	27.83	ug/L		95
64) Toluene	4.367	91	144580	26.65	ug/L		99
65) 2-Nitropropane	4.459	41	33384	142.78	ug/L		100
66) 4-Methyl-2-pentanone	4.574	43	117893	140.10	ug/L		98
67) trans-1,3-Dichloropropene	4.605	75	42303	23.80	ug/L		95
68) Tetrachloroethene	4.628	166	39118	25.56	ug/L		98
69) Ethyl methacrylate	4.721	69	32829	27.64	ug/L		93
70) 1,1,2-Trichloroethane	4.713	83	21908	26.64	ug/L		93
71) Dibromochloromethane	4.836	129	32492	29.10	ug/L		97
72) 1,3-Dichloropropane	4.890	76	45771	27.78	ug/L		93
73) 1,2-Dibromoethane	4.990	107	26167	27.49	ug/L		96
74) 3,3-Dimethyl-1-Butanol	5.121	57	106394	1592.34	ug/L		98
75) 2-hexanone	5.136	43	100905	146.69	ug/L		91
76) 1-Chlorohexane	5.360	91	48580m	25.93	ug/L		
77) Ethylbenzene	5.390	91	153750m	25.31	ug/L		
78) Chlorobenzene	5.360	112	89036	25.58	ug/L		97
79) 1,1,1,2-Tetrachloroethane	5.406	131	31906	28.84	ug/L		97
80) m,p-Xylene	5.490	91	246620	53.37	ug/L		99
81) o-Xylene	5.798	91	121630	26.07	ug/L		98
82) Styrene	5.829	104	89635	27.00	ug/L		97
83) Bromoform	5.837	173	17831	28.51	ug/L		96
84) Isopropylbenzene	6.037	105	142788	26.52	ug/L		99
87) cis-1,4-Dichloro-2-butene	6.260	53	9762	34.35	ug/L		93
88) n-Propylbenzene	6.345	91	176373	25.97	ug/L		98
89) Bromobenzene	6.298	156	35494	25.46	ug/L		85
90) 1,1,2,2-Tetrachloroethane	6.368	83	27484	27.68	ug/L		96
91) 1,3,5-Trimethylbenzene	6.499	105	117512	27.67	ug/L		99
92) 2-Chlorotoluene	6.452	91	98770	26.26	ug/L		99
93) trans-1,4-Dichloro-2-B...	6.499	53	12076	31.35	ug/L		96
94) 1,2,3-Trichloropropane	6.460	110	8008	28.26	ug/L		89
95) Cyclohexanone	6.475	55	7368	347.24	ug/L		94
96) 4-Chlorotoluene	6.576	91	103230	26.67	ug/L		97
97) tert-Butylbenzene	6.745	91	67608	26.40	ug/L		96
98) 1,2,4-Trimethylbenzene	6.799	105	109017	27.18	ug/L		96
99) Pentachloroethane	6.745	167	20772	33.26	ug/L	#	65
100) sec-Butylbenzene	6.883	105	137183	25.21	ug/L		98
101) 4-Isopropyltoluene	7.007	119	113616	25.88	ug/L		98
102) 1,3-Dichlorobenzene	7.030	146	62141	25.28	ug/L		96
103) 1,2,3-Trimethylbenzene	7.137	105	103195	25.54	ug/L		99
104) 1,4-Dichlorobenzene	7.099	146	62156	25.46	ug/L		94
105) n-Butylbenzene	7.337	92	55870	25.28	ug/L		94
106) Benzyl Chloride	7.291	126	8200	28.00	ug/L	#	92
107) 1,2-Dichlorobenzene	7.422	146	54446	25.54	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100124\
Data File : 1A59593.D
Acq On : 1 Oct 2024 7:07 am
Operator : jeniferw
Sample : BS Inst : MSVOA17-1A_2A
Misc : MS57600,V1A3062,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 01 07:21:02 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration

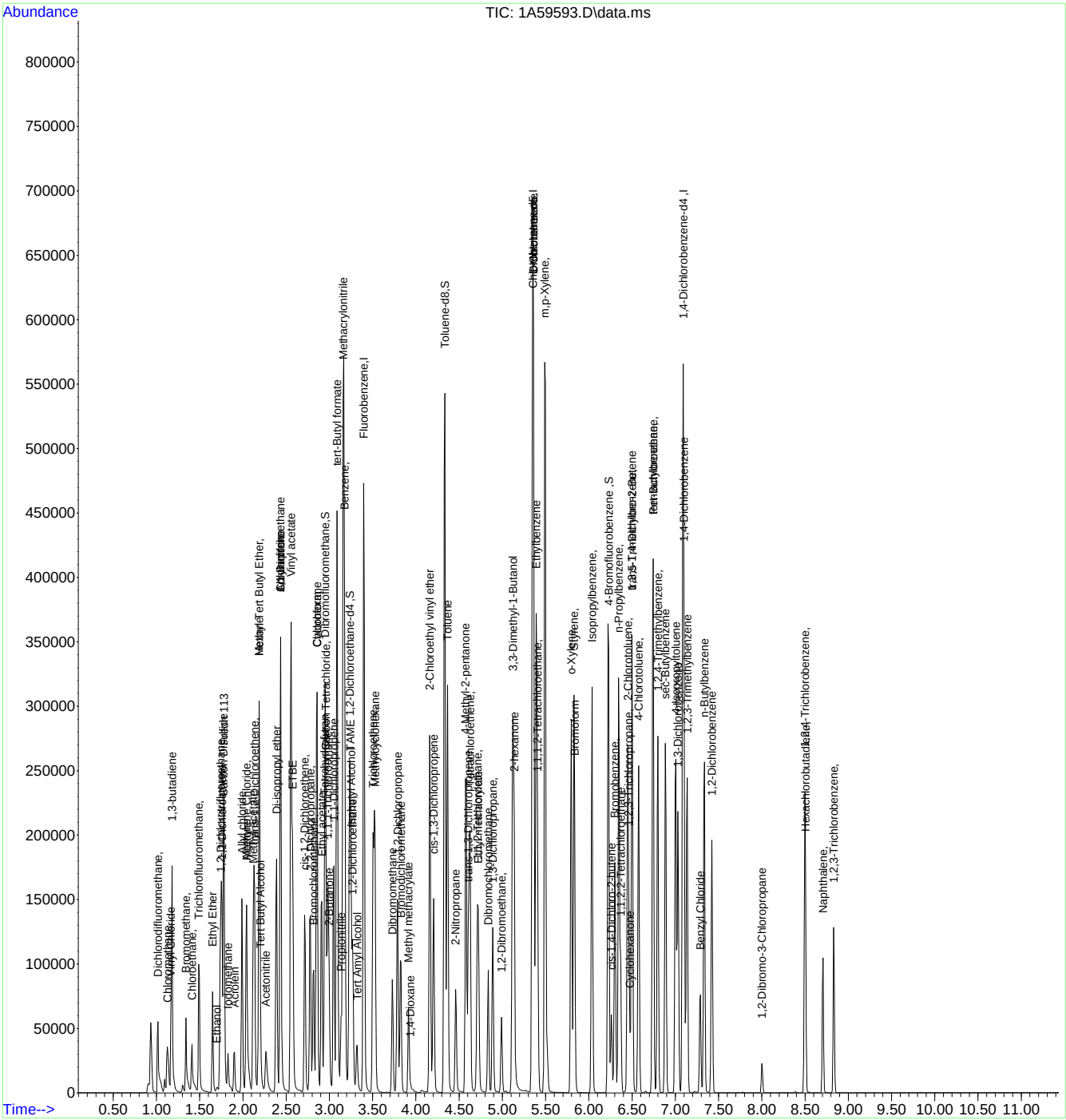
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) 1,2-Dibromo-3-Chloropr...	7.999	75	3830	30.03	ug/L	87
109) Hexachlorobutadiene	8.507	225	15768	27.58	ug/L	95
110) 1,2,4-Trichlorobenzene	8.500	180	28723	28.27	ug/L	95
111) Naphthalene	8.707	128	53614	30.18	ug/L	99
112) 1,2,3-Trichlorobenzene	8.831	180	24514	31.02	ug/L	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100124\
Data File : 1A59593.D
Acq On : 1 Oct 2024 7:07 am
Operator : jeniferw
Sample : BS Inst : MSVOA17-1A_2A
Misc : MS57600,V1A3062,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 01 07:21:02 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration



Manual Integration Approval Summary

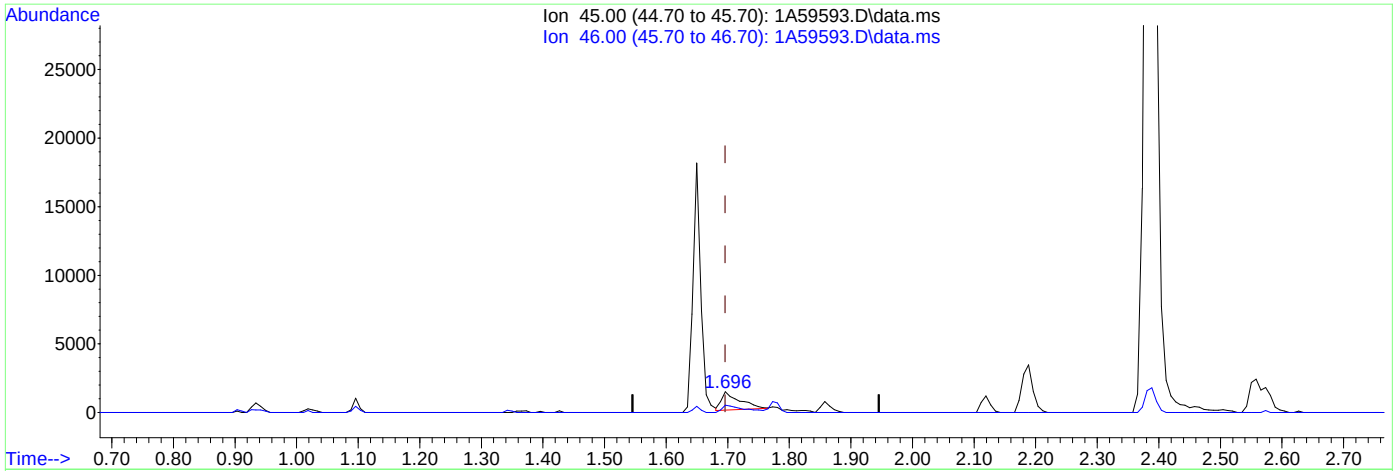
Sample Number: V1A3062-BS
Lab FileID: 1A59593.D
Injection Time: 10/01/24 07:07
Method: SW846 8260D
Analyst approved: 10/01/24 07:23 Jenifer Willis
Supervisor approved: 10/04/24 12:04 Karen Watson

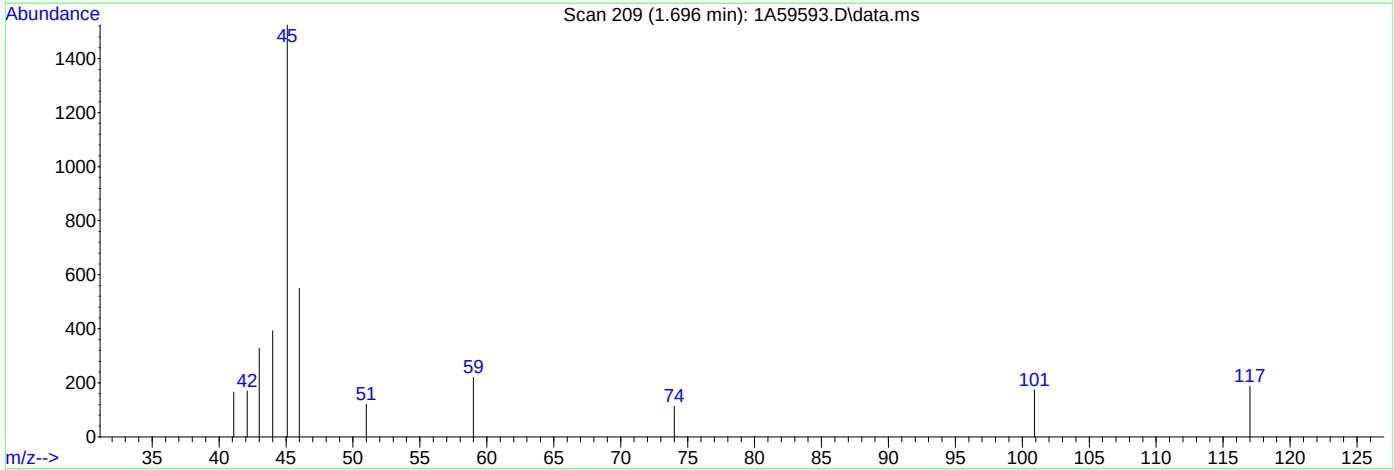
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		1.70	Poorly defined baseline
Carbon Tetrachloride	56-23-5		2.96	Overlapping peak
1-Chlorohexane	544-10-5		5.36	Overlapping peak
Ethylbenzene	100-41-4		5.39	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100124\
Data File : 1A59593.D
Acq On : 1 Oct 2024 7:07 am
Operator : jeniferw
Sample : BS Inst : MSVOA17-1A_2A
Misc : MS57600,V1A3062,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 01 07:20:27 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration





TIC: 1A59593.D\data.ms

(10) Ethanol

1.696min (+0.000) 409.03ug/L

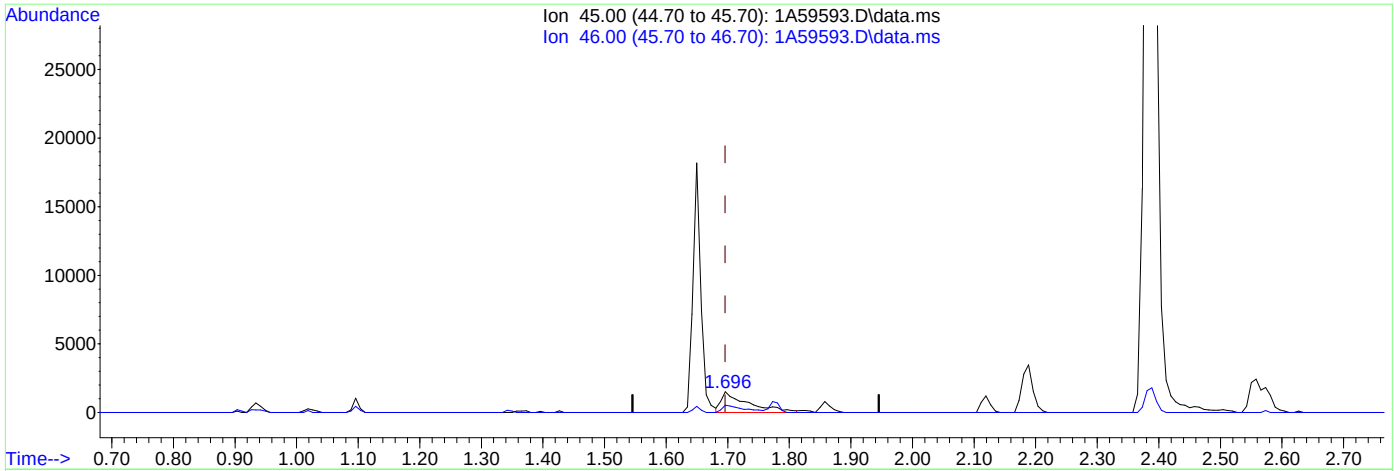
response 2804

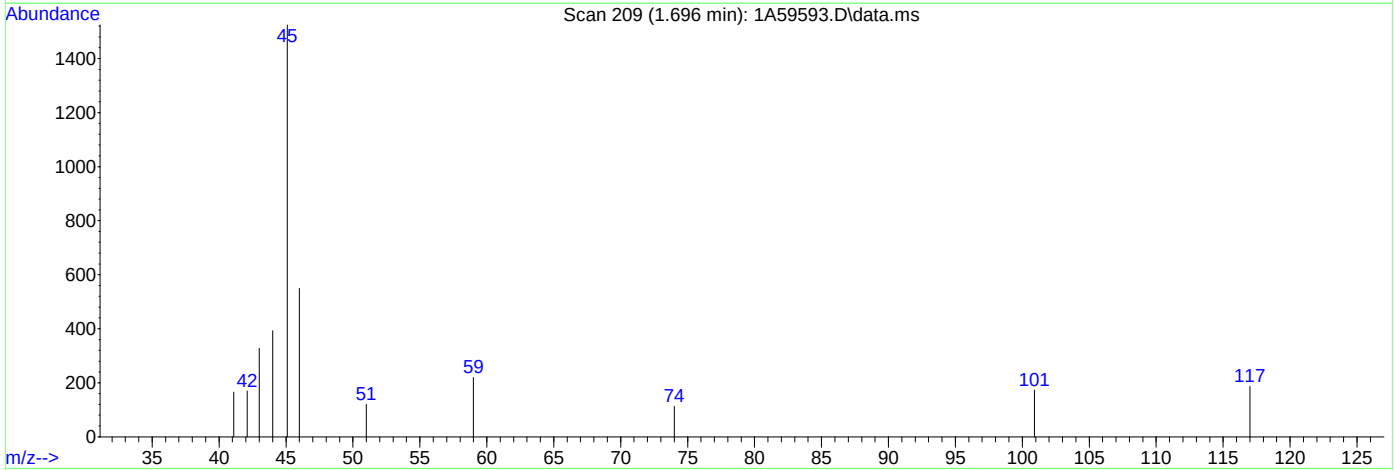
Ion	Exp%	Act%
45.00	100	100
46.00	35.50	45.19
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100124\
Data File : 1A59593.D
Acq On : 1 Oct 2024 7:07 am
Operator : jeniferw
Sample : BS Inst : MSVOA17-1A_2A
Misc : MS57600,V1A3062,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 01 07:20:27 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration





TIC: 1A59593.D\data.ms

(10) Ethanol

1.696min (+0.000) 673.39ug/L m

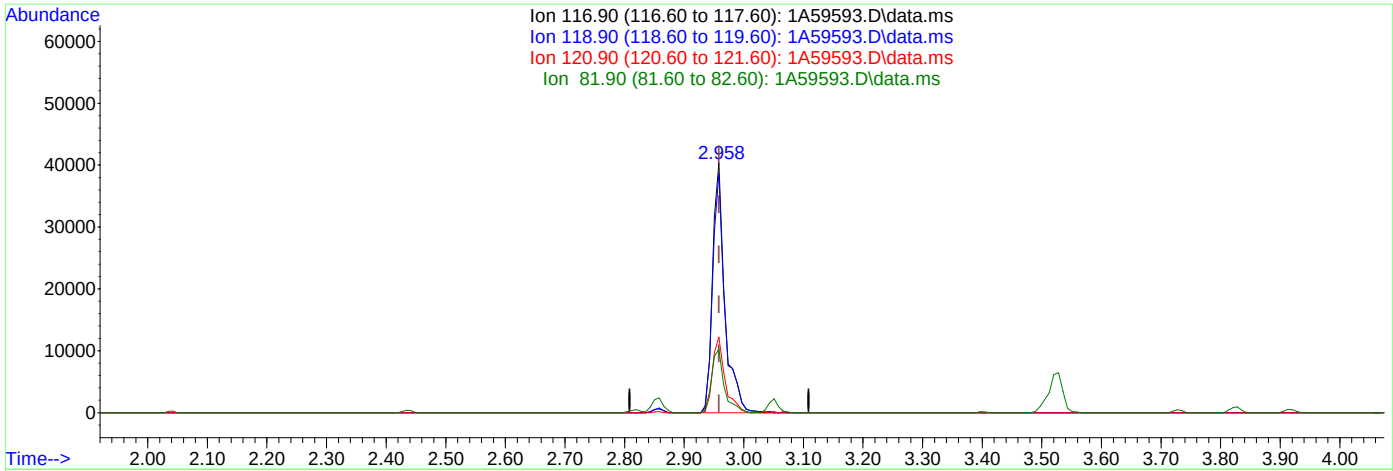
response 4636

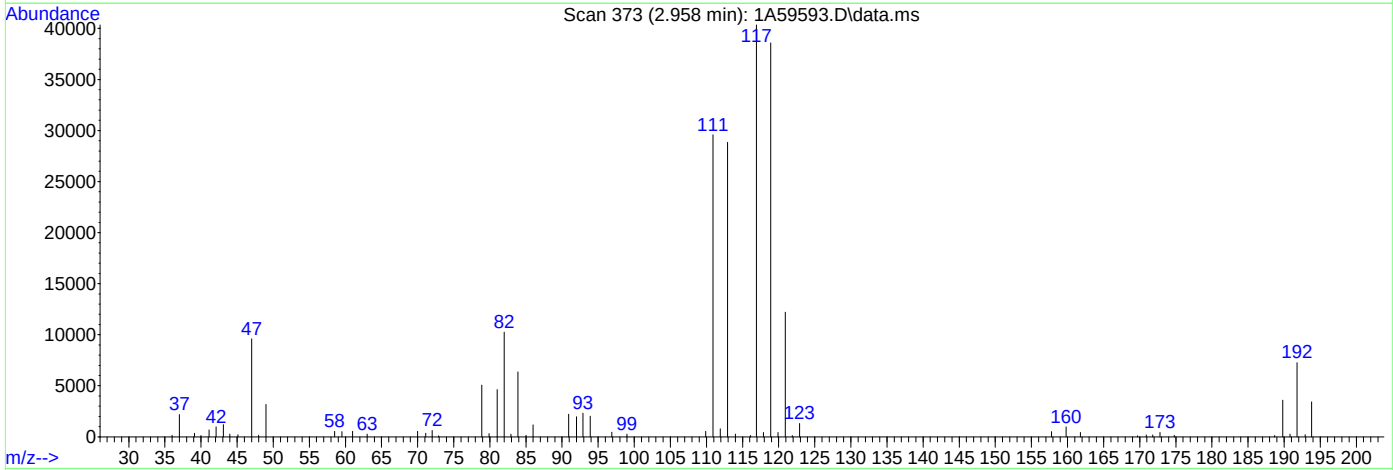
Ion	Exp%	Act%
45.00	100	100
46.00	35.50	36.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100124\
Data File : 1A59593.D
Acq On : 1 Oct 2024 7:07 am
Operator : jeniferw
Sample : BS Inst : MSVOA17-1A_2A
Misc : MS57600,V1A3062,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 01 07:20:27 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration





TIC: 1A59593.D\data.ms

(40) Carbon Tetrachloride ( )

2.958min (-0.000) 32.14ug/L

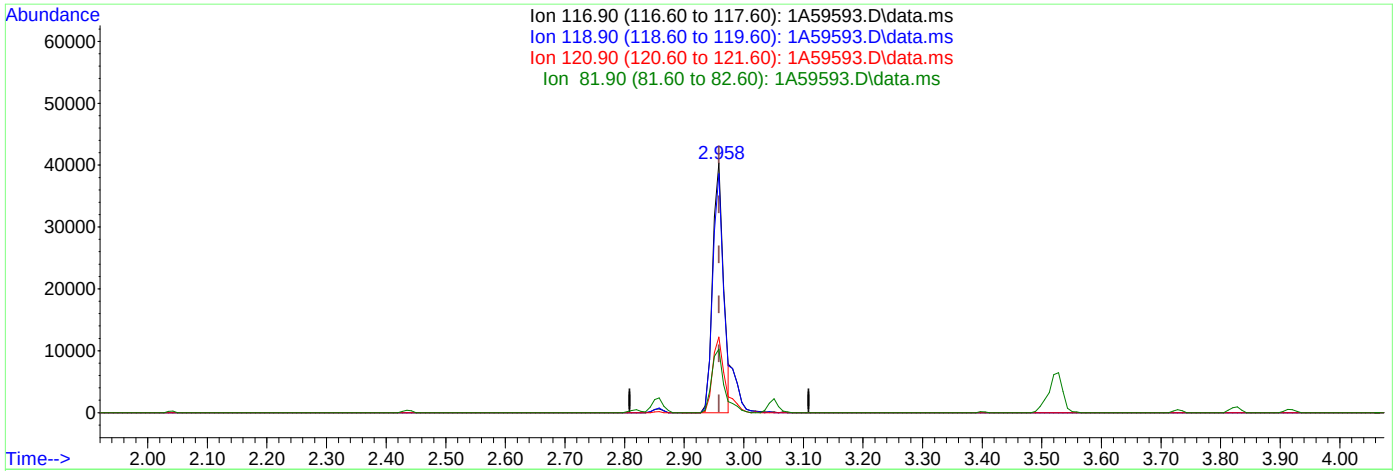
response 57664

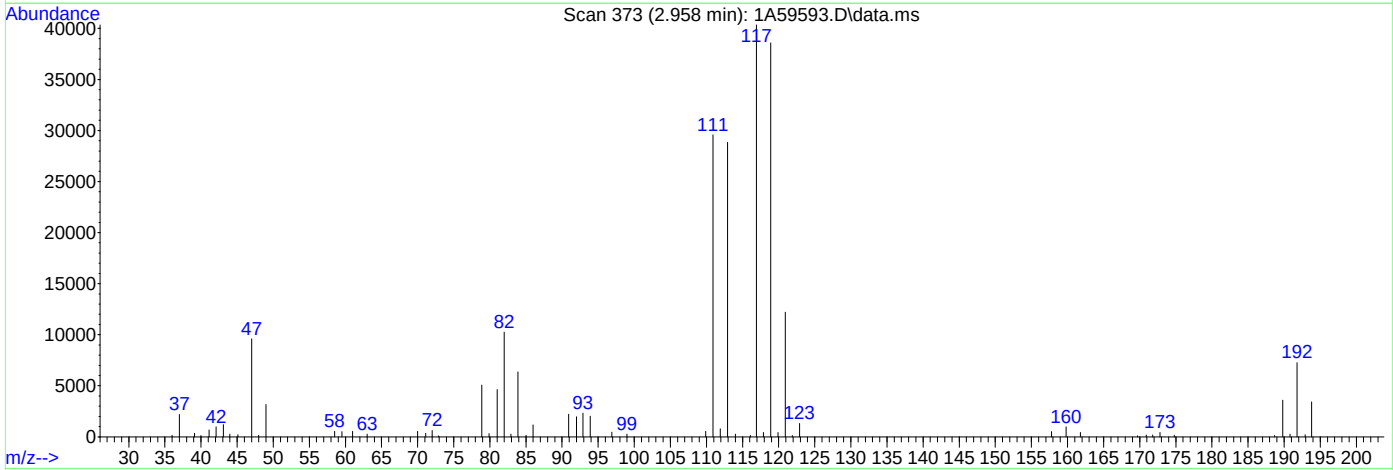
Ion	Exp%	Act%
116.90	100	100
118.90	97.80	95.64
120.90	30.90	30.27
81.90	25.10	25.39

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100124\
Data File : 1A59593.D
Acq On : 1 Oct 2024 7:07 am
Operator : jeniferw
Sample : BS Inst : MSVOA17-1A_2A
Misc : MS57600,V1A3062,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 01 07:20:27 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration





TIC: 1A59593.D\data.ms

(40) Carbon Tetrachloride ( )

2.958min (-0.000) 28.24ug/L m

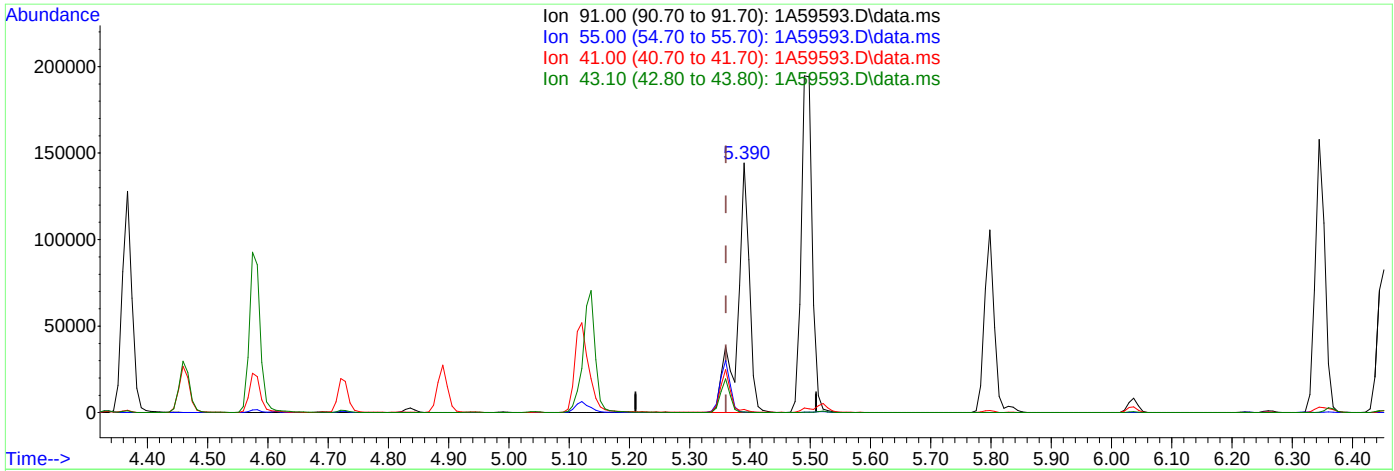
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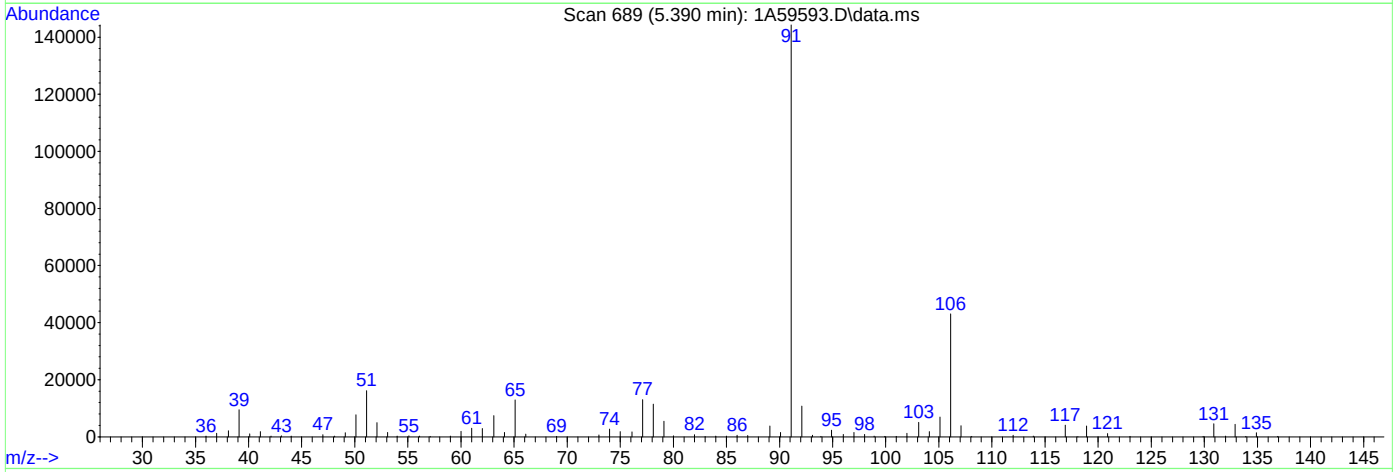
Ion	Exp%	Act%
116.90	100	100
118.90	97.80	95.64
120.90	30.90	30.27
81.90	25.10	25.39

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100124\
Data File : 1A59593.D
Acq On : 1 Oct 2024 7:07 am
Operator : jeniferw
Sample : BS Inst : MSVOA17-1A_2A
Misc : MS57600,V1A3062,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 01 07:20:27 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration





TIC: 1A59593.D\data.ms

(76) 1-Chlorohexane

5.390min (+0.030) 108.03ug/L

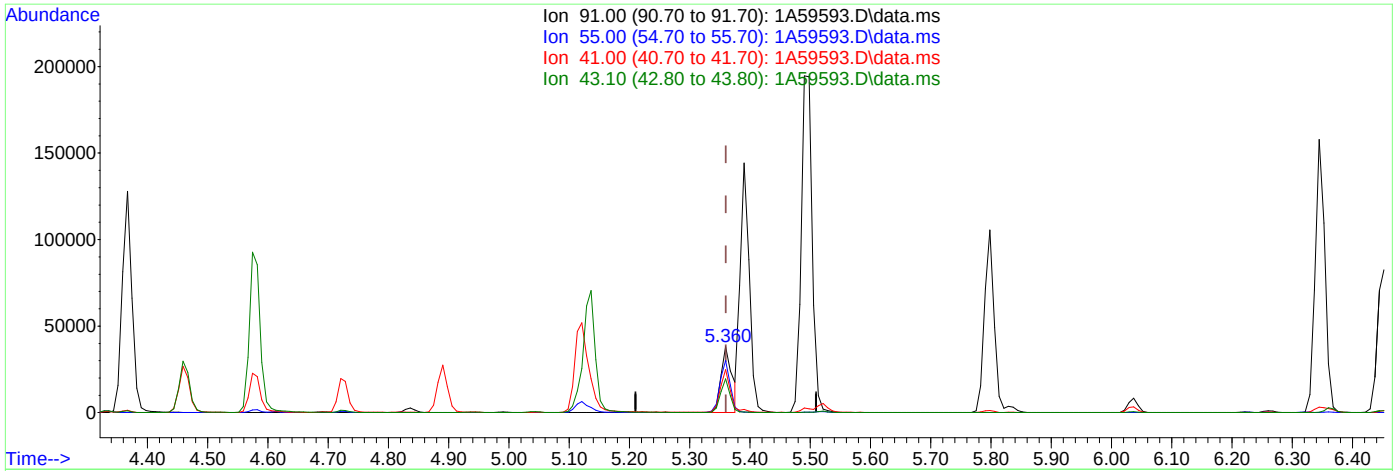
response 202409

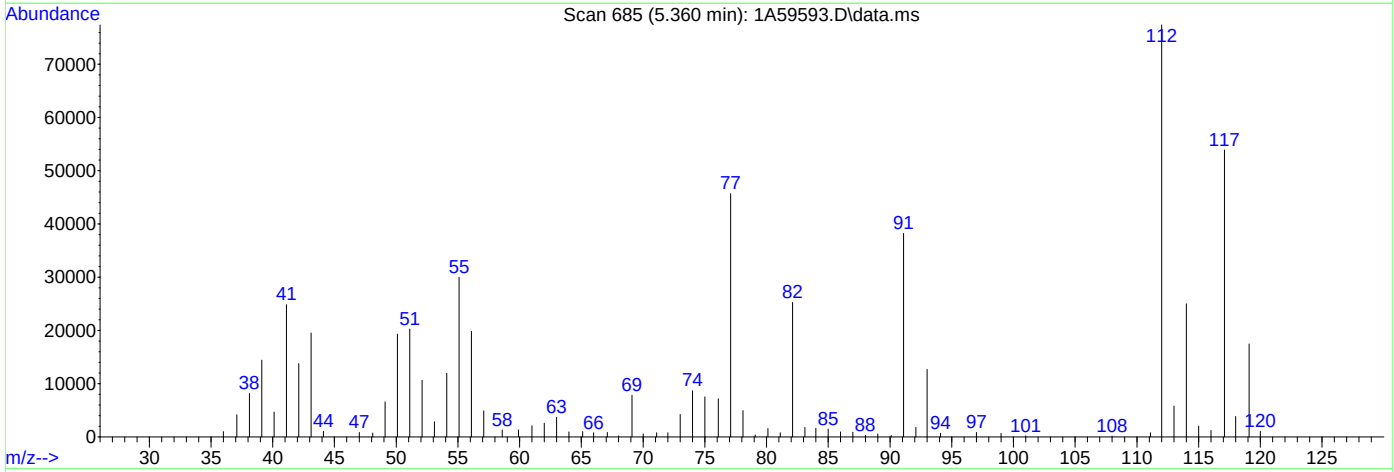
Ion	Exp%	Act%
91.00	100	100
55.00	69.60	0.21#
41.00	56.40	1.12#
43.10	42.00	0.27#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100124\
Data File : 1A59593.D
Acq On : 1 Oct 2024 7:07 am
Operator : jeniferw
Sample : BS Inst : MSVOA17-1A_2A
Misc : MS57600,V1A3062,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 01 07:20:27 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration





TIC: 1A59593.D\data.ms

(76) 1-Chlorohexane

5.360min (-0.000) 25.93ug/L m

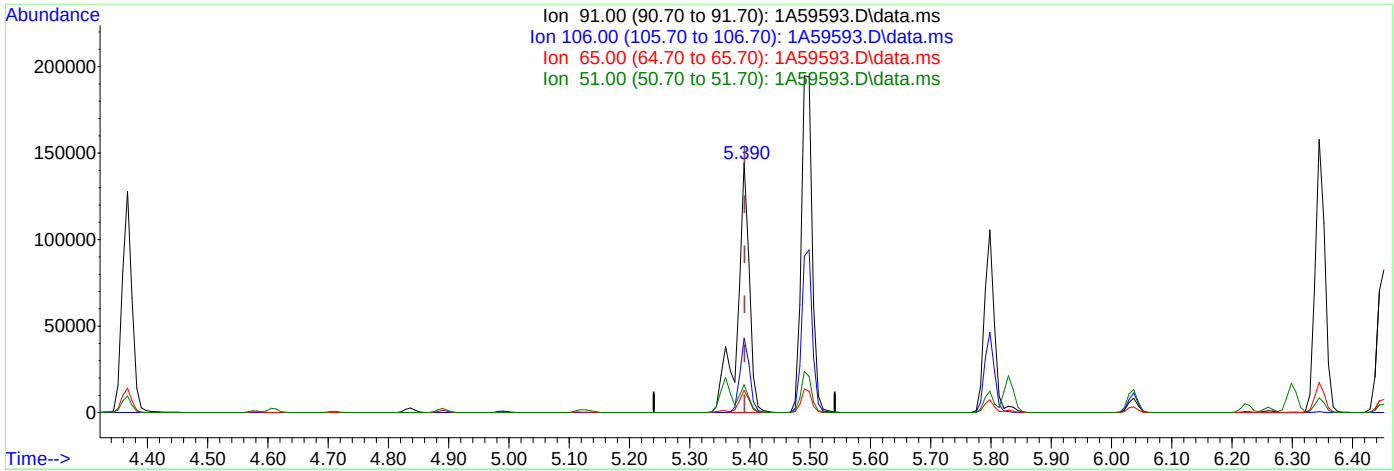
response 48580

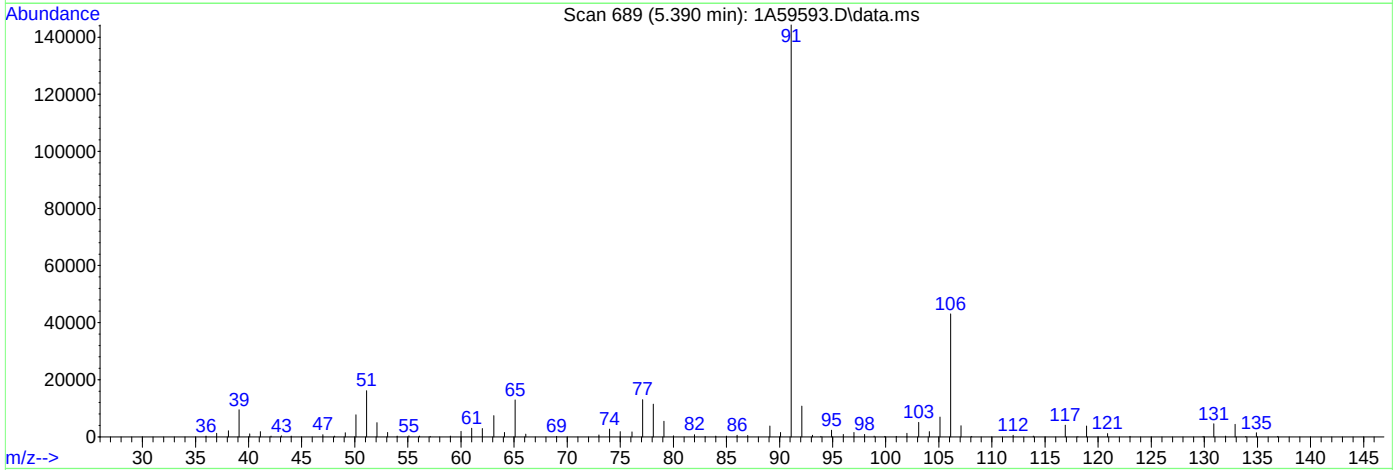
Ion	Exp%	Act%
91.00	100	100
55.00	69.60	78.48
41.00	56.40	64.96
43.10	42.00	51.06

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100124\
Data File : 1A59593.D
Acq On : 1 Oct 2024 7:07 am
Operator : jeniferw
Sample : BS Inst : MSVOA17-1A_2A
Misc : MS57600,V1A3062,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 01 07:20:27 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration





TIC: 1A59593.D\data.ms

(77) Ethylbenzene

5.390min (-0.001) 33.32ug/L

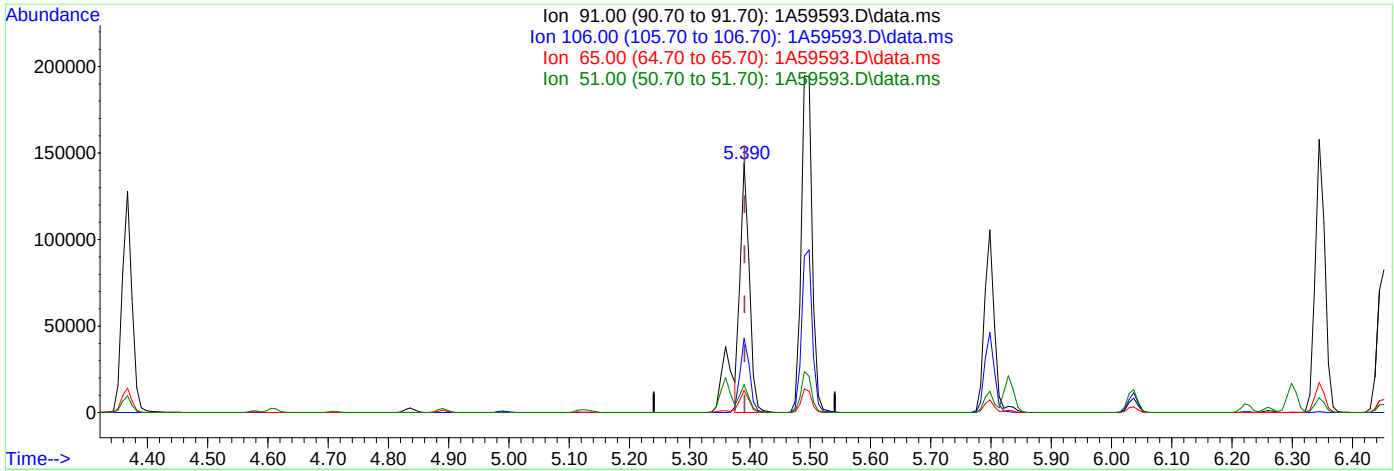
response 202409

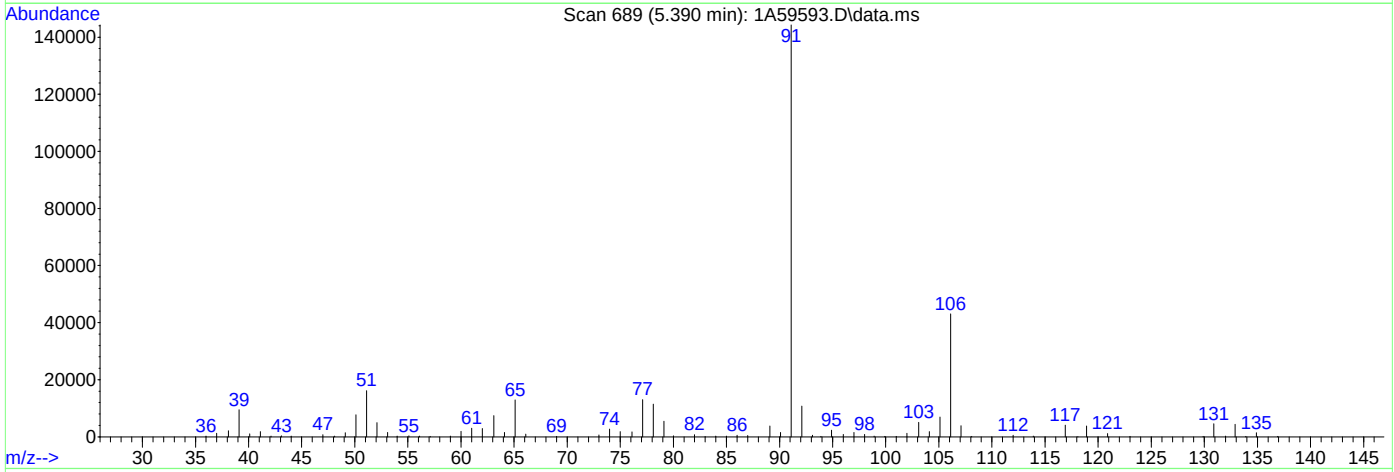
Ion	Exp%	Act%
91.00	100	100
106.00	30.40	29.84
65.00	8.50	8.97
51.00	10.30	11.18

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100124\
Data File : 1A59593.D
Acq On : 1 Oct 2024 7:07 am
Operator : jeniferw
Sample : BS Inst : MSVOA17-1A_2A
Misc : MS57600,V1A3062,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 01 07:20:27 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration





TIC: 1A59593.D\data.ms

(77) Ethylbenzene

5.390min (-0.001) 25.31ug/L m

response 153750

Ion	Exp%	Act%
91.00	100	100
106.00	30.40	29.84
65.00	8.50	8.97
51.00	10.30	11.18

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/30/24 12:24

Quantitation Report (QT Reviewed)

Data Path : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\
Data File : 1A59558.d
Acq On : 29 Sep 2024 8:40 pm
Operator : jeniferw
Sample : FC19130-2MS Inst : MSVOA17-1A_2A
Misc : MS57599,V1A3060,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 30 02:32:59 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\method\V1A3047_09182024
... .M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.405	96	250881	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.352	117	174755	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.091	152	90079	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	2.951	113	70465	49.24	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.48%			
49) 1,2-Dichloroethane-d4	3.235	65	83956	53.34	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 106.68%			
63) Toluene-d8	4.336	98	243596	49.50	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 99.00%			
86) 4-Bromofluorobenzene	6.229	174	74879	50.51	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.02%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.019	85	43056	30.9124	ug/L	97
3) Chloromethane	1.127	50	33008	25.9022	ug/L	96
4) 1,3-butadiene	1.180	39	33890	29.5129	ug/L	87
5) Vinyl Chloride	1.173	62	35331	25.1698	ug/L	100
6) Bromomethane	1.350	94	15260	20.2308	ug/L	97
7) Chloroethane	1.419	64	20392	21.3438	ug/L	97
8) Trichlorofluoromethane	1.496	101	48837	22.8495	ug/L	97
9) Ethyl Ether	1.650	59	21058	23.7126	ug/L	93
10) Ethanol	1.696	45	3089m	456.6732	ug/L	
11) 1,2-Dichlorotrifluoroe...	1.742	67	37031	25.1052	ug/L	98
12) 1,1-Dichloroethene	1.758	61	52517	29.7137	ug/L	93
13) Freon 113	1.781	101	30567	25.9952	ug/L	97
14) Carbon Disulfide	1.781	76	84195	23.6439	ug/L	97
15) Iodomethane	1.827	142	20495	26.9212	ug/L	95
16) Acrolein	1.904	56	9095	71.1052	ug/L	99
17) Allyl chloride	1.996	41	45734	28.2412	ug/L	99
18) Methylene Chloride	2.042	49	41361	25.5291	ug/L	95
19) Acetone	2.042	43	29335	133.4905	ug/L	95
20) Methyl acetate	2.119	43	72658	120.6290	ug/L	98
21) trans-1,2-Dichloroethene	2.135	61	49127	27.9857	ug/L	94
22) Hexane	2.196	56	34404	31.4209	ug/L #	86
23) Methyl Tert Butyl Ether	2.189	73	66220	24.5907	ug/L	98
24) Acetonitrile	2.266	41	20913	234.0925	ug/L	92
25) Tert Butyl Alcohol	2.204	59	10849	182.6454	ug/L #	1
26) Di-isopropyl ether	2.389	45	87561	24.7020	ug/L	98
27) Chloroprene	2.435	53	92213	27.4813	ug/L	98
28) 1,1-Dichloroethane	2.443	63	72635	31.9486	ug/L	99
29) Acrylonitrile	2.435	52	45573	129.6806	ug/L	95
30) ETBE	2.573	59	83604	25.5452	ug/L	98
31) Vinyl acetate	2.558	43	276875	140.0363	ug/L	99
32) cis-1,2-Dichloroethene	2.720	96	43091	32.2898	ug/L	97
33) 2,2-Dichloropropane	2.781	77	45457	27.3961	ug/L	97
34) Bromochloromethane	2.820	128	15373	23.2344	ug/L	94
35) Cyclohexane	2.858	56	61696	29.3004	ug/L	91
36) Chloroform	2.858	83	61720	26.2231	ug/L	85
37) Ethyl acetate	2.912	43	101755	129.2957	ug/L	98
38) Tetrahydrofuran	2.943	42	9699	40.8043	ug/L #	7
40) Carbon Tetrachloride	2.958	117	48254m	27.2769	ug/L	
41) 1,1,1-Trichloroethane	2.981	97	55235	28.6217	ug/L	97
42) 2-Butanone	2.997	43	37034	109.4346	ug/L	96
43) 1,1-Dichloropropene	3.051	75	46802	30.4207	ug/L	94

Quantitation Report (QT Reviewed)

Data Path : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\
Data File : 1A59558.d
Acq On : 29 Sep 2024 8:40 pm
Operator : jeniferw
Sample : FC19130-2MS Inst : MSVOA17-1A_2A
Misc : MS57599,V1A3060,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 30 02:32:59 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\method\V1A3047_09182024
... .M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) tert-Butyl formate	3.089	59	98045	166.6112	ug/L		98
45) Propionitrile	3.135	54	28170	266.7443	ug/L		96
46) Methacrylonitrile	3.166	41	152044	293.0958	ug/L		96
47) Benzene	3.181	78	129332	26.3391	ug/L		93
48) TAME	3.243	73	62335	23.5690	ug/L		96
50) 1,2-Dichloroethane	3.274	62	44763	27.0832	ug/L		97
51) Isobutyl Alcohol	3.251	43	33185	491.1151	ug/L		90
52) Tert Amyl Alcohol	3.320	59	8043	194.7730	ug/L		88
53) Trichloroethene	3.505	95	36020	26.0794	ug/L		95
54) Methylcyclohexane	3.528	83	57865	28.1496	ug/L		97
55) Dibromomethane	3.728	93	19132	25.1113	ug/L		96
56) 1,2-Dichloropropane	3.789	63	33380	25.7929	ug/L		93
57) Bromodichloromethane	3.828	83	42052	25.7956	ug/L		99
58) Methyl methacrylate	3.913	41	30853	45.2656	ug/L		84
59) 1,4-Dioxane	3.936	88	2425	441.8749	ug/L	#	5
60) 2-Chloroethyl vinyl ether	4.159	63	62939	139.8786	ug/L		92
61) cis-1,3-Dichloropropene	4.205	75	45509	25.2306	ug/L		93
64) Toluene	4.367	91	135507	25.7279	ug/L		99
65) 2-Nitropropane	4.459	41	26697	117.5956	ug/L		99
66) 4-Methyl-2-pentanone	4.574	43	95690	117.1173	ug/L		95
67) trans-1,3-Dichloropropene	4.613	75	37574	21.7693	ug/L		97
68) Tetrachloroethene	4.628	166	36930	24.8485	ug/L		96
69) Ethyl methacrylate	4.728	69	30796	26.7072	ug/L		95
70) 1,1,2-Trichloroethane	4.713	83	20184	25.2800	ug/L		96
71) Dibromochloromethane	4.836	129	29760	27.4489	ug/L		95
72) 1,3-Dichloropropane	4.890	76	42977	26.8633	ug/L		96
73) 1,2-Dibromoethane	4.990	107	24061	26.0329	ug/L		99
74) 3,3-Dimethyl-1-Butanol	5.121	57	78956	1255.4028	ug/L		87
75) 2-hexanone	5.136	43	79219	118.6085	ug/L		87
76) 1-Chlorohexane	5.359	91	44041m	24.2095	ug/L		
77) Ethylbenzene	5.390	91	144127m	24.4374	ug/L		
78) Chlorobenzene	5.359	112	82829	24.5132	ug/L		94
79) 1,1,1,2-Tetrachloroethane	5.406	131	29512	27.4743	ug/L		97
80) m,p-Xylene	5.498	91	229358	51.1153	ug/L		99
81) o-Xylene	5.798	91	113919	25.1508	ug/L		99
82) Styrene	5.829	104	81645	25.3269	ug/L		97
83) Bromoform	5.837	173	15225	25.0671	ug/L		97
84) Isopropylbenzene	6.037	105	135067	25.8346	ug/L		98
87) cis-1,4-Dichloro-2-butene	6.260	53	8398	30.7306	ug/L	#	82
88) n-Propylbenzene	6.345	91	165050	25.2693	ug/L		97
89) Bromobenzene	6.306	156	33244	24.8007	ug/L		93
90) 1,1,2,2-Tetrachloroethane	6.368	83	25833	27.0514	ug/L		98
91) 1,3,5-Trimethylbenzene	6.499	105	110275	27.0019	ug/L		97
92) 2-Chlorotoluene	6.452	91	91024	25.1653	ug/L		99
93) trans-1,4-Dichloro-2-B...	6.499	53	10236	27.6291	ug/L		95
94) 1,2,3-Trichloropropane	6.460	110	7267	26.6703	ug/L		85
95) Cyclohexanone	6.475	55	6061	297.0364	ug/L		93
96) 4-Chlorotoluene	6.576	91	95498	25.6609	ug/L		96
97) tert-Butylbenzene	6.745	91	63634	25.8423	ug/L		98
98) 1,2,4-Trimethylbenzene	6.799	105	107985	27.9957	ug/L		97
99) Pentachloroethane	6.745	167	18491	30.7926	ug/L	#	71
100) sec-Butylbenzene	6.883	105	126951	24.2616	ug/L		98
101) 4-Isopropyltoluene	7.007	119	109668	25.9737	ug/L		98
102) 1,3-Dichlorobenzene	7.030	146	56764	24.0121	ug/L		97
103) 1,2,3-Trimethylbenzene	7.137	105	97898	25.1916	ug/L		98
104) 1,4-Dichlorobenzene	7.099	146	56994	24.2778	ug/L		94
105) n-Butylbenzene	7.337	92	52422	24.6674	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\
Data File : 1A59558.d
Acq On : 29 Sep 2024 8:40 pm
Operator : jeniferw
Sample : FC19130-2MS Inst : MSVOA17-1A_2A
Misc : MS57599,V1A3060,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 30 02:32:59 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\method\V1A3047_09182024
... .M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration

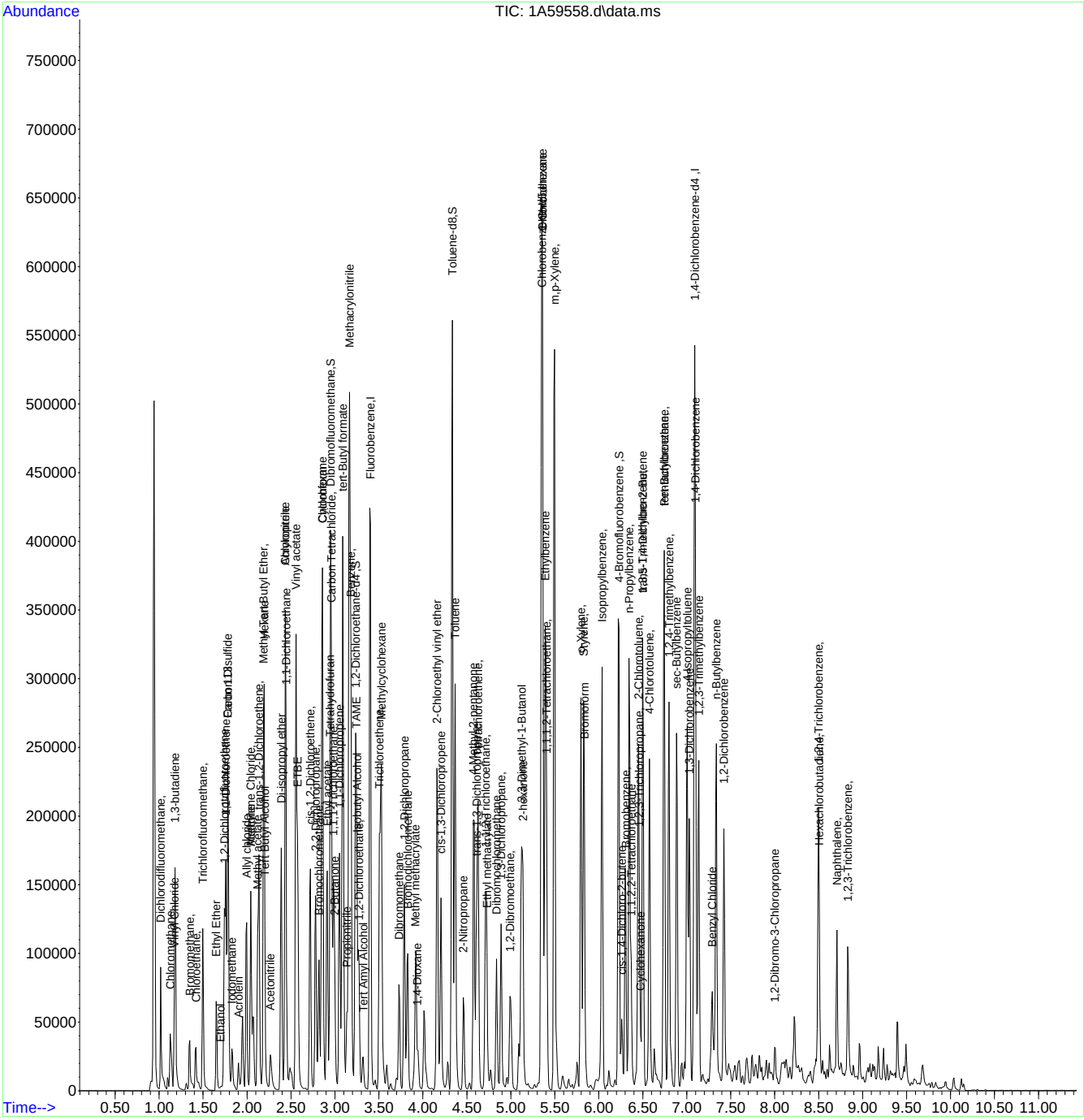
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
106) Benzyl Chloride	7.291	126	6077	21.9299	ug/L	98
107) 1,2-Dichlorobenzene	7.422	146	49223	24.0110	ug/L	96
108) 1,2-Dibromo-3-Chloropr...	7.999	75	3248	26.4859	ug/L	82
109) Hexachlorobutadiene	8.507	225	11235	20.4320	ug/L	94
110) 1,2,4-Trichlorobenzene	8.500	180	23256	23.7986	ug/L	94
111) Naphthalene	8.707	128	51745	30.2836	ug/L	98
112) 1,2,3-Trichlorobenzene	8.831	180	17825	23.4579	ug/L	94

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

Quantitation Report (QT Reviewed)

Data Path : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\
Data File : 1A59558.d
Acq On : 29 Sep 2024 8:40 pm
Operator : jeniferw
Sample : FC19130-2MS Inst : MSVOA17-1A_2A
Misc : MS57599,V1A3060,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 30 02:32:59 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\method\V1A3047_09182024
... .M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: FC19130-2MS
Lab FileID: 1A59558.D
Injection Time: 09/29/24 20:40

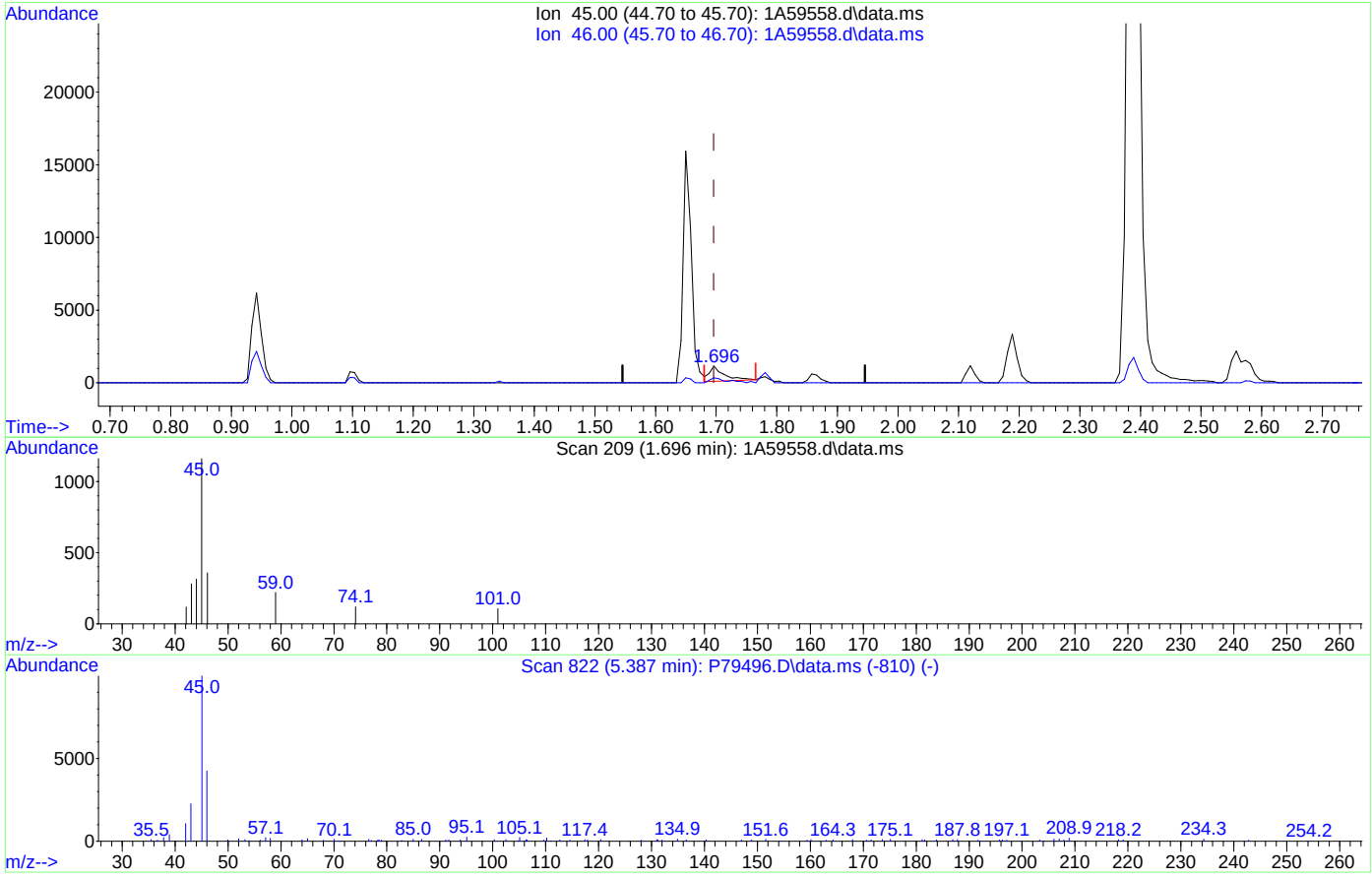
Method: SW846 8260D
Analyst approved: 09/29/24 23:14 Jhenelle Bondal
Supervisor approved: 09/30/24 12:24 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		1.70	Poorly defined baseline
Carbon Tetrachloride	56-23-5		2.96	Overlapping peak
1-Chlorohexane	544-10-5		5.36	Poorly defined baseline
Ethylbenzene	100-41-4		5.39	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\
Data File : 1A59558.d
Acq On : 29 Sep 2024 8:40 pm
Operator : jeniferw
Sample : FC19130-2MS Inst : MSVOA17-1A_2A
Misc : MS57599,V1A3060,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 30 02:10:07 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\method\V1A3047_09182024
... .M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration



TIC: 1A59558.d\data.ms

(10) Ethanol

1.696min (+0.000) 263.83ug/L

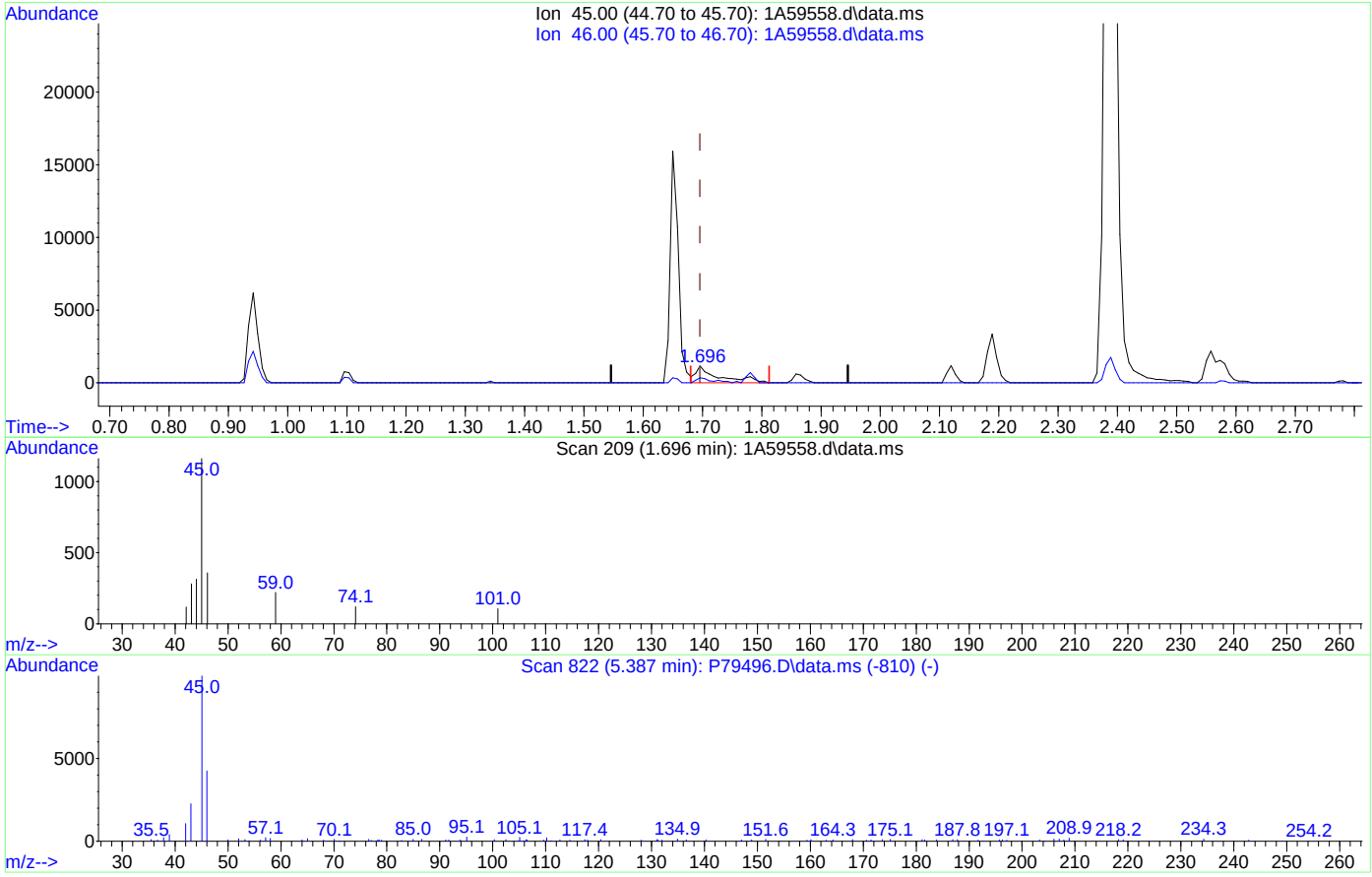
response 1779

Ion	Exp%	Act%
45.00	100	100
46.00	35.50	37.57
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\
Data File : 1A59558.d
Acq On : 29 Sep 2024 8:40 pm
Operator : jeniferw
Sample : FC19130-2MS Inst : MSVOA17-1A_2A
Misc : MS57599,V1A3060,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 30 02:10:07 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\method\V1A3047_09182024
... .M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration



TIC: 1A59558.d\data.ms

(10) Ethanol

1.696min (+0.000) 456.67ug/L m

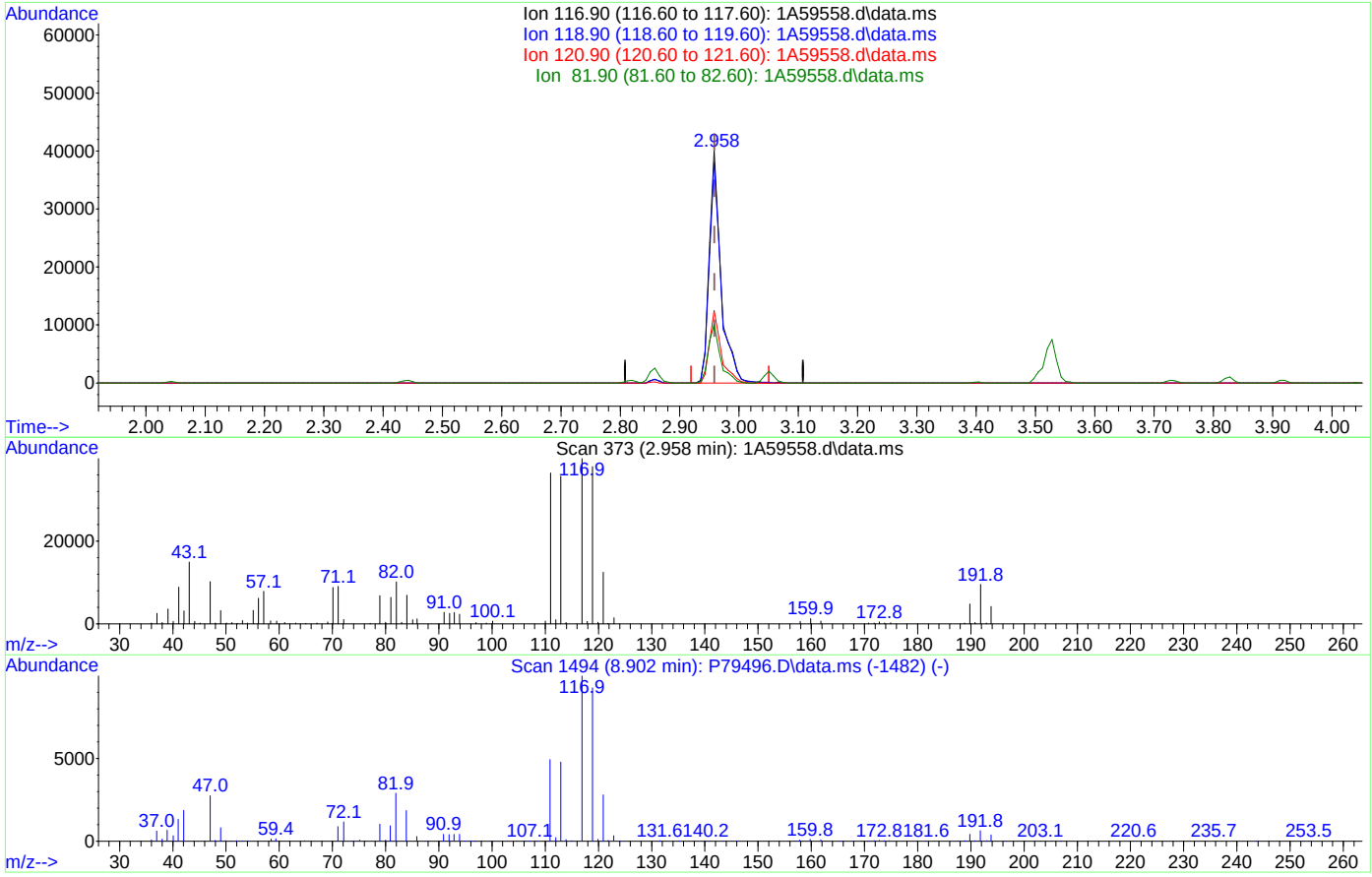
response 3089

Ion	Exp%	Act%
45.00	100	100
46.00	35.50	30.81
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\
Data File : 1A59558.d
Acq On : 29 Sep 2024 8:40 pm
Operator : jeniferw
Sample : FC19130-2MS Inst : MSVOA17-1A_2A
Misc : MS57599,V1A3060,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 30 02:10:07 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\method\V1A3047_09182024
... .M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration



TIC: 1A59558.d\data.ms

(40) Carbon Tetrachloride ( )

2.958min (-0.000) 31.46ug/L

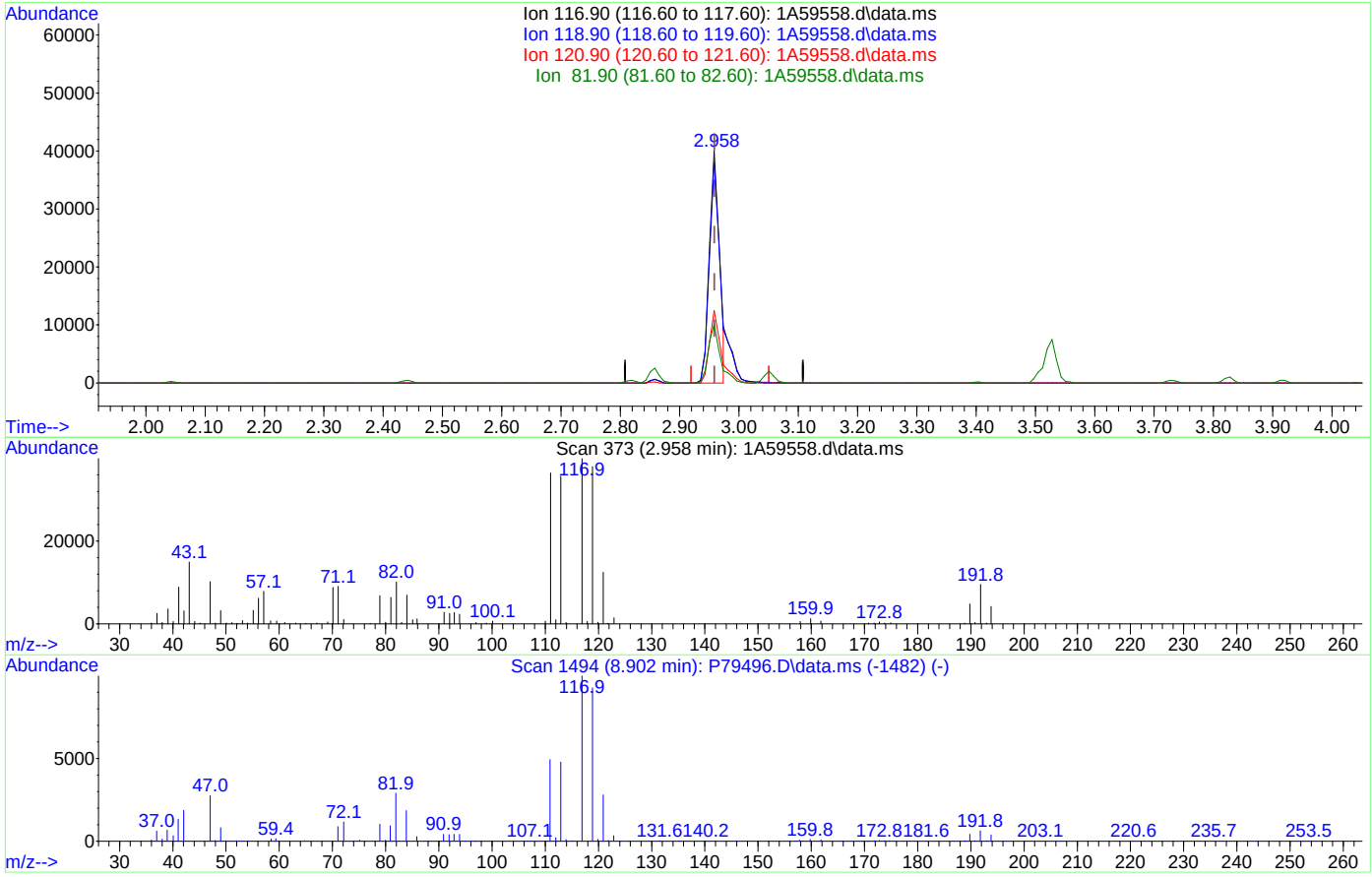
response 55651

Ion	Exp%	Act%
116.90	100	100
118.90	97.80	95.14
120.90	30.90	31.20
81.90	25.10	25.28

Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\
Data File : 1A59558.d
Acq On : 29 Sep 2024 8:40 pm
Operator : jeniferw
Sample : FC19130-2MS Inst : MSVOA17-1A_2A
Misc : MS57599,V1A3060,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 30 02:10:07 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\method\V1A3047_09182024
... .M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration



TIC: 1A59558.d\data.ms

(40) Carbon Tetrachloride ( )

2.958min (-0.000) 27.28ug/L m

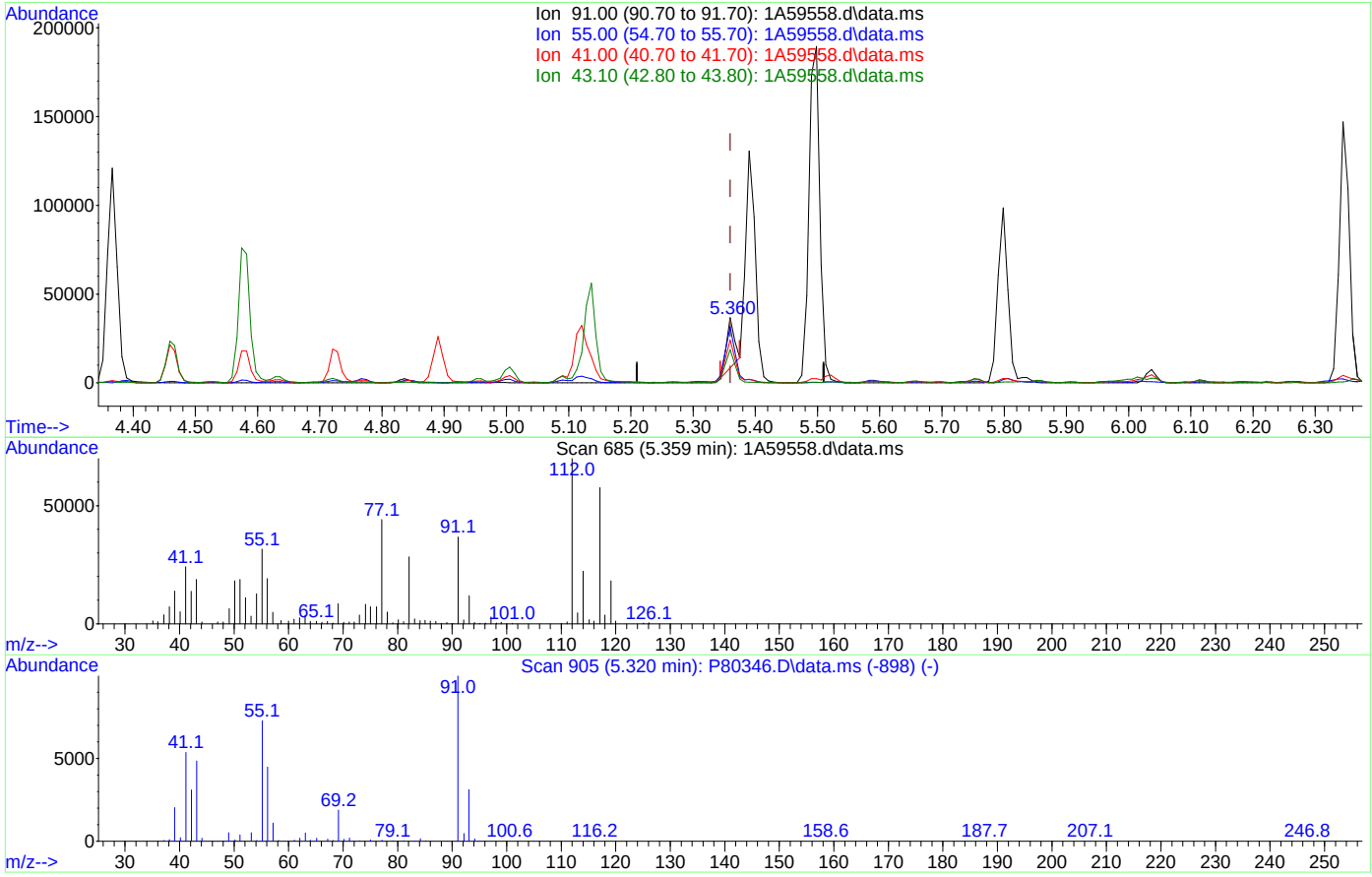
response 48254

Ion	Exp%	Act%
116.90	100	100
118.90	97.80	95.14
120.90	30.90	31.20
81.90	25.10	25.28

Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\
Data File : 1A59558.d
Acq On : 29 Sep 2024 8:40 pm
Operator : jeniferw
Sample : FC19130-2MS Inst : MSVOA17-1A_2A
Misc : MS57599,V1A3060,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 30 02:10:07 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\method\V1A3047_09182024
... .M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration



TIC: 1A59558.d\data.ms

(76) 1-Chlorohexane

5.359min (-0.001) 15.61ug/L

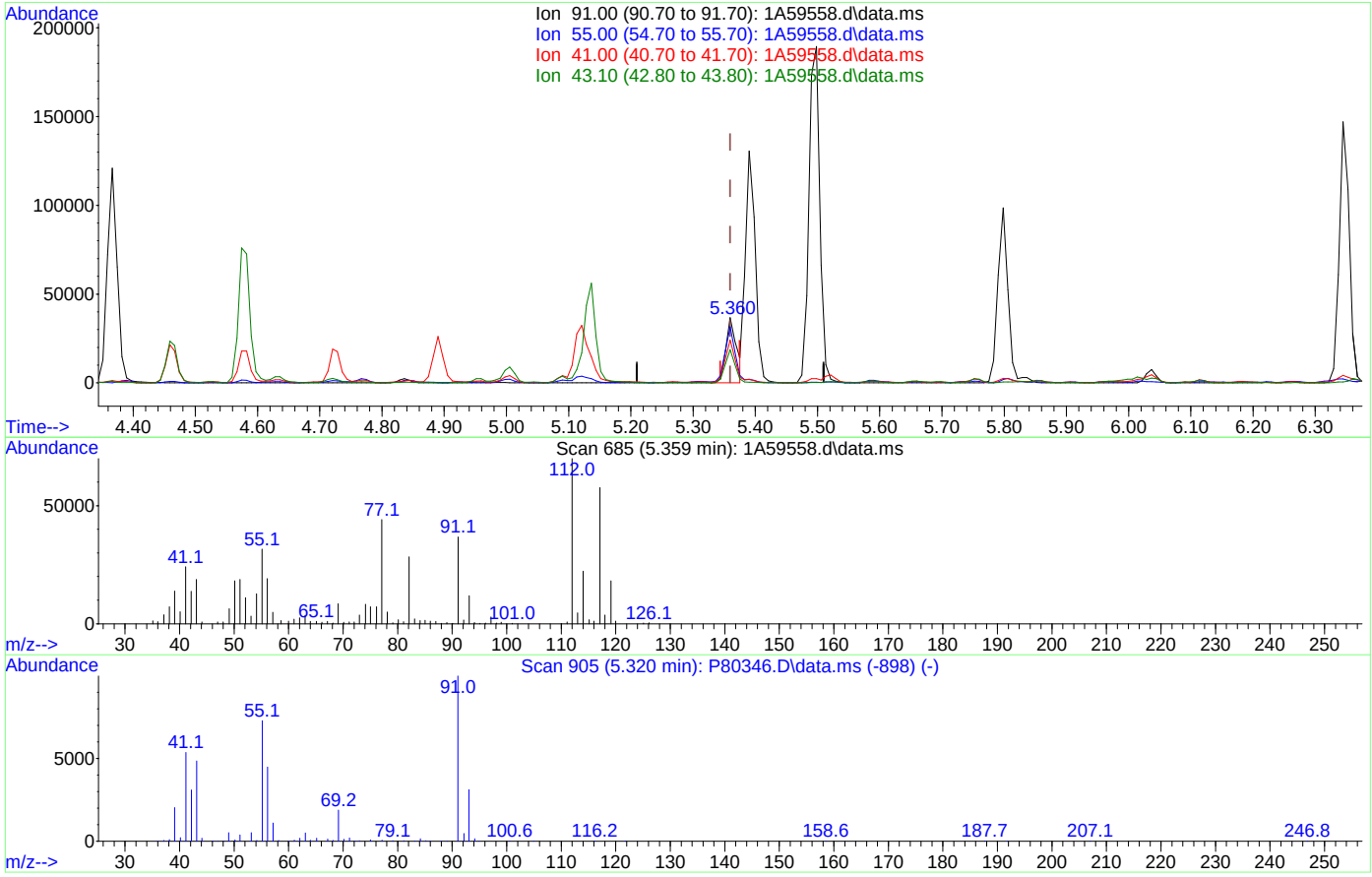
response 28392

Ion	Exp%	Act%
91.00	100	100
55.00	69.60	80.81
41.00	56.40	62.31
43.10	42.00	48.96

Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\
Data File : 1A59558.d
Acq On : 29 Sep 2024 8:40 pm
Operator : jeniferw
Sample : FC19130-2MS Inst : MSVOA17-1A_2A
Misc : MS57599,V1A3060,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 30 02:10:07 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\method\V1A3047_09182024
... .M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration



TIC: 1A59558.d\data.ms

(76) 1-Chlorohexane

5.359min (-0.001) 24.21ug/L m

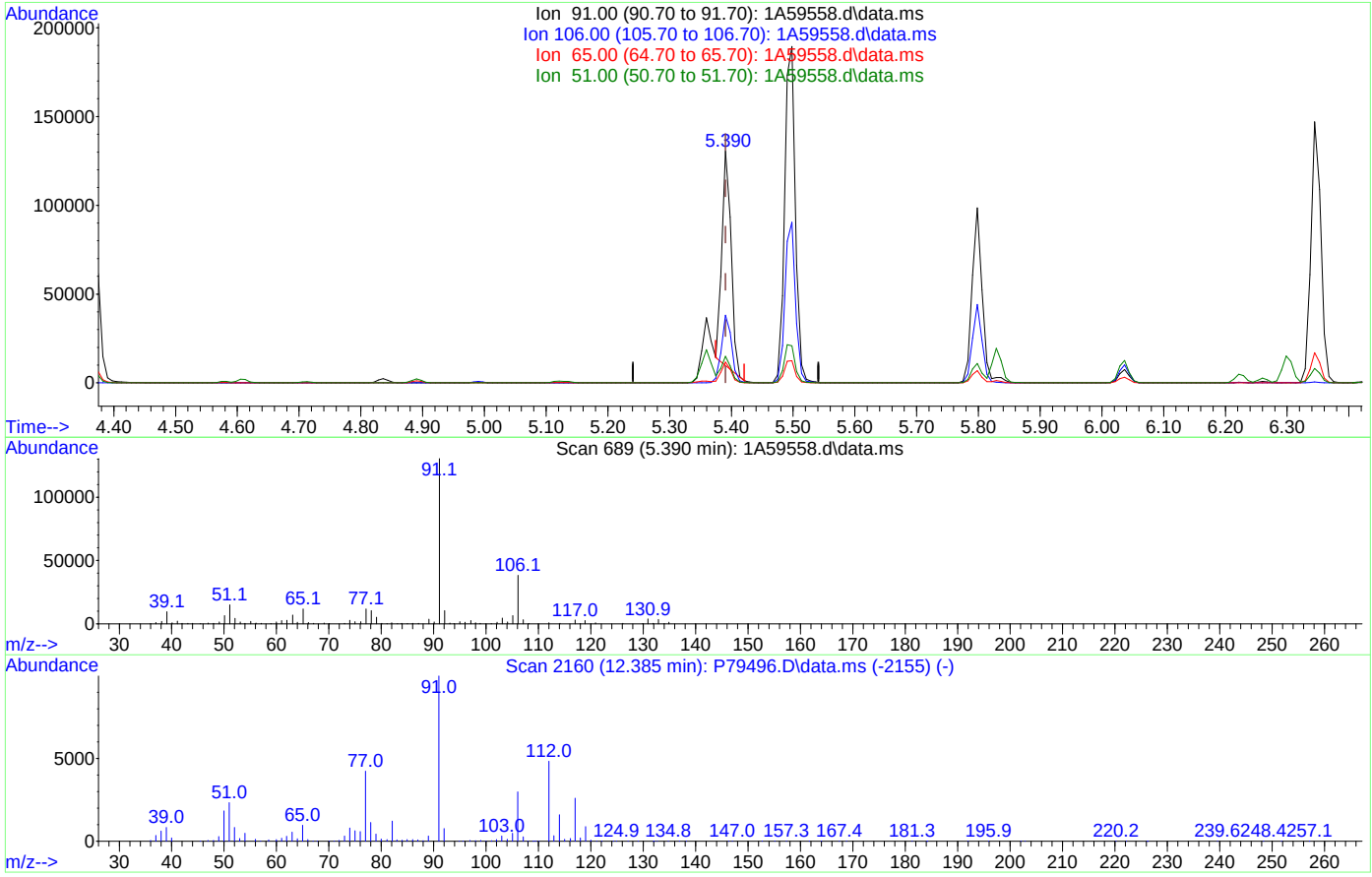
response 44041

Ion	Exp%	Act%
91.00	100	100
55.00	69.60	86.14
41.00	56.40	65.60
43.10	42.00	50.92

Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\
Data File : 1A59558.d
Acq On : 29 Sep 2024 8:40 pm
Operator : jeniferw
Sample : FC19130-2MS Inst : MSVOA17-1A_2A
Misc : MS57599,V1A3060,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 30 02:10:07 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\method\V1A3047_09182024
... .M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration



TIC: 1A59558.d\data.ms

(77) Ethylbenzene

5.390min (-0.001) 20.77ug/L

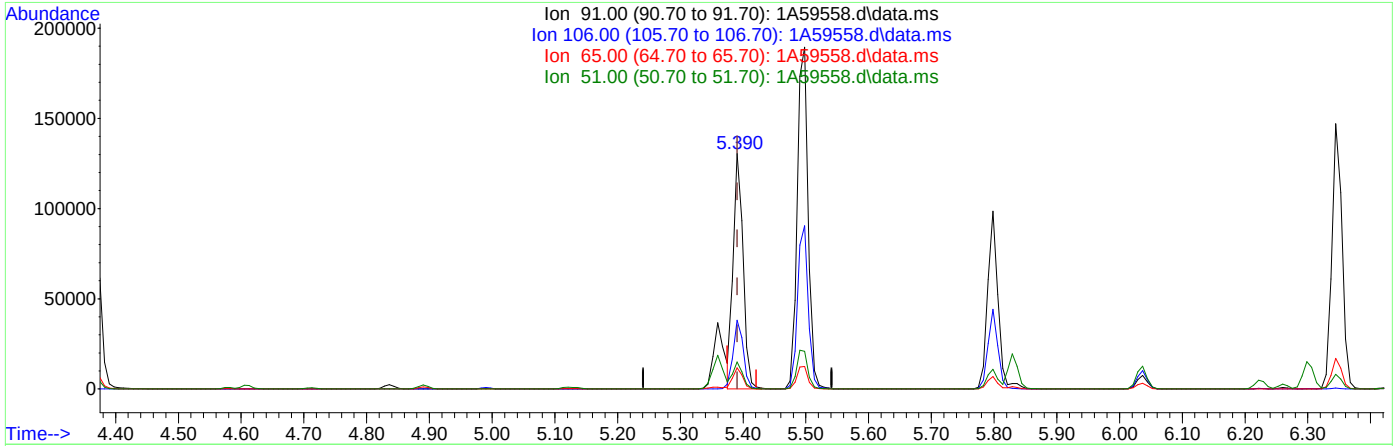
response 122503

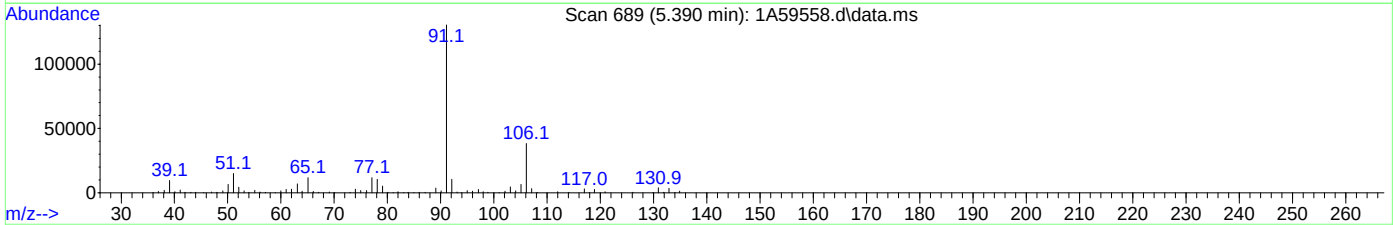
Ion	Exp%	Act%
91.00	100	100
106.00	30.40	29.25
65.00	8.50	9.01
51.00	10.30	11.39

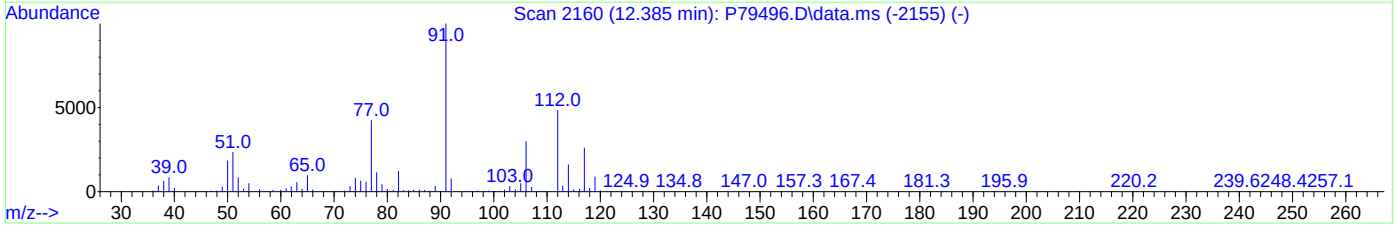
Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\
Data File : 1A59558.d
Acq On : 29 Sep 2024 8:40 pm
Operator : jeniferw
Sample : FC19130-2MS Inst : MSVOA17-1A_2A
Misc : MS57599,V1A3060,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 30 02:10:07 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\method\V1A3047_09182024
... .M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration







TIC: 1A59558.d\data.ms

(77) Ethylbenzene

5.390min (-0.001) 24.44ug/L m

response 144127

Ion	Exp%	Act%
91.00	100	100
106.00	30.40	29.25
65.00	8.50	9.01
51.00	10.30	11.46

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/30/24 12:24

Quantitation Report (QT Reviewed)

Data Path : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\
Data File : 1A59559.d
Acq On : 29 Sep 2024 9:04 pm
Operator : jeniferw
Sample : FC19130-2MSD Inst : MSVOA17-1A_2A
Misc : MS57599,V1A3060,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 30 02:33:49 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\method\V1A3047_09182024
... .M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.405	96	256012	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.352	117	177778	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.091	152	91542	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	2.950	113	71452	48.93	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.86%			
49) 1,2-Dichloroethane-d4	3.235	65	85513	53.24	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 106.48%			
63) Toluene-d8	4.336	98	247389	49.42	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 98.84%			
86) 4-Bromofluorobenzene	6.229	174	77639	51.54	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 103.08%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.019	85	42548	29.9354	ug/L	99
3) Chloromethane	1.134	50	33247	25.5669	ug/L	98
4) 1,3-butadiene	1.188	39	34568	29.5000	ug/L	94
5) Vinyl Chloride	1.173	62	37941	26.4875	ug/L	100
6) Bromomethane	1.350	94	17853	23.1941	ug/L	96
7) Chloroethane	1.419	64	22306	22.8793	ug/L	99
8) Trichlorofluoromethane	1.496	101	50784	23.2843	ug/L	100
9) Ethyl Ether	1.658	59	22823	25.1850	ug/L	97
10) Ethanol	1.696	45	4009m	579.6549	ug/L	
11) 1,2-Dichlorotrifluoroe...	1.742	67	39108	25.9819	ug/L	95
12) 1,1-Dichloroethene	1.758	61	54919	30.4499	ug/L	91
13) Freon 113	1.788	101	32003	26.6710	ug/L	97
14) Carbon Disulfide	1.781	76	88924	24.4715	ug/L	95
15) Iodomethane	1.835	142	24209	30.4978	ug/L	99
16) Acrolein	1.904	56	13559	103.8805	ug/L	94
17) Allyl chloride	1.996	41	47470	28.7257	ug/L	99
18) Methylene Chloride	2.042	49	43745	26.4594	ug/L	93
19) Acetone	2.050	43	30794	137.3213	ug/L	99
20) Methyl acetate	2.119	43	83337	135.5856	ug/L	96
21) trans-1,2-Dichloroethene	2.135	61	52486	29.2999	ug/L	93
22) Hexane	2.196	56	29498	26.4003	ug/L	91
23) Methyl Tert Butyl Ether	2.189	73	72613	26.4243	ug/L	79
24) Acetonitrile	2.273	41	23162	255.0371	ug/L	98
25) Tert Butyl Alcohol	2.204	59	15497	255.6667	ug/L #	7
26) Di-isopropyl ether	2.389	45	95326	26.3536	ug/L	98
27) Chloroprene	2.435	53	99197	28.9702	ug/L	96
28) 1,1-Dichloroethane	2.443	63	74572	32.1432	ug/L	99
29) Acrylonitrile	2.435	52	49205	137.2094	ug/L	99
30) ETBE	2.573	59	88282	26.4339	ug/L	97
31) Vinyl acetate	2.558	43	308274	152.7922	ug/L	99
32) cis-1,2-Dichloroethene	2.720	96	45066	33.0930	ug/L	97
33) 2,2-Dichloropropane	2.781	77	47705	28.1747	ug/L	98
34) Bromochloromethane	2.820	128	16068	23.7980	ug/L	89
35) Cyclohexane	2.858	56	57135	26.5905	ug/L	94
36) Chloroform	2.858	83	64452	26.8351	ug/L	94
37) Ethyl acetate	2.912	43	111006	138.2236	ug/L	99
38) Tetrahydrofuran	2.943	42	7448	30.7062	ug/L #	56
40) Carbon Tetrachloride	2.958	117	53362m	29.5597	ug/L	
41) 1,1,1-Trichloroethane	2.981	97	57001	28.9448	ug/L	96
42) 2-Butanone	2.997	43	44507	128.8813	ug/L	97
43) 1,1-Dichloropropene	3.051	75	48991	31.2059	ug/L	94

Quantitation Report (QT Reviewed)

Data Path : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\
Data File : 1A59559.d
Acq On : 29 Sep 2024 9:04 pm
Operator : jeniferw
Sample : FC19130-2MSD Inst : MSVOA17-1A_2A
Misc : MS57599,V1A3060,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 30 02:33:49 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\method\V1A3047_09182024
... .M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	tert-Butyl formate	3.089	59	108632	179.8784	ug/L		98
45)	Propionitrile	3.135	54	31530	292.5767	ug/L		97
46)	Methacrylonitrile	3.166	41	160948	304.0418	ug/L		98
47)	Benzene	3.181	78	137411	27.4235	ug/L		94
48)	TAME	3.243	73	67697	25.0834	ug/L		96
50)	1,2-Dichloroethane	3.274	62	47505	28.1661	ug/L		96
51)	Isobutyl Alcohol	3.251	43	39288	569.7821	ug/L		90
52)	Tert Amyl Alcohol	3.320	59	11736	273.9369	ug/L		93
53)	Trichloroethene	3.505	95	38083	27.0204	ug/L		96
54)	Methylcyclohexane	3.528	83	54463	25.9636	ug/L		97
55)	Dibromomethane	3.728	93	20688	26.6094	ug/L		97
56)	1,2-Dichloropropane	3.789	63	35648	26.9934	ug/L		97
57)	Bromodichloromethane	3.828	83	44894	26.9870	ug/L		97
58)	Methyl methacrylate	3.913	41	24153	34.7256	ug/L		94
59)	1,4-Dioxane	3.936	88	3307	590.5127	ug/L	#	72
60)	2-Chloroethyl vinyl ether	4.159	63	68724	149.0259	ug/L		94
61)	cis-1,3-Dichloropropene	4.205	75	49232	26.7477	ug/L		95
64)	Toluene	4.367	91	142825	26.6562	ug/L		98
65)	2-Nitropropane	4.459	41	30877	133.6951	ug/L		99
66)	4-Methyl-2-pentanone	4.582	43	110184	132.5637	ug/L		98
67)	trans-1,3-Dichloropropene	4.613	75	40664	23.1590	ug/L		98
68)	Tetrachloroethene	4.628	166	39012	25.8030	ug/L		95
69)	Ethyl methacrylate	4.728	69	32499	27.7048	ug/L		94
70)	1,1,2-Trichloroethane	4.713	83	21763	26.7942	ug/L		99
71)	Dibromochloromethane	4.836	129	31816	28.8463	ug/L		98
72)	1,3-Dichloropropane	4.890	76	46071	28.3076	ug/L		94
73)	1,2-Dibromoethane	4.990	107	26002	27.6546	ug/L		95
74)	3,3-Dimethyl-1-Butanol	5.121	57	99803	1521.9308	ug/L		97
75)	2-hexanone	5.136	43	93233	137.2170	ug/L		90
76)	1-Chlorohexane	5.359	91	45013m	24.3230	ug/L		
77)	Ethylbenzene	5.390	91	152383m	25.3979	ug/L		
78)	Chlorobenzene	5.359	112	87128	25.3470	ug/L		96
79)	1,1,1,2-Tetrachloroethane	5.406	131	31507	28.8328	ug/L		96
80)	m,p-Xylene	5.498	91	243781	53.4058	ug/L		100
81)	o-Xylene	5.798	91	121718	26.4157	ug/L		98
82)	Styrene	5.829	104	86887	26.4947	ug/L		95
83)	Bromoform	5.837	173	17114	27.6981	ug/L		95
84)	Isopropylbenzene	6.037	105	142379	26.7701	ug/L		99
87)	cis-1,4-Dichloro-2-butene	6.260	53	9215	33.1813	ug/L		96
88)	n-Propylbenzene	6.345	91	172857	26.0416	ug/L		96
89)	Bromobenzene	6.306	156	35621	26.1493	ug/L		90
90)	1,1,2,2-Tetrachloroethane	6.368	83	28974	29.8557	ug/L		99
91)	1,3,5-Trimethylbenzene	6.499	105	115156	27.7464	ug/L		97
92)	2-Chlorotoluene	6.452	91	96257	26.1868	ug/L		98
93)	trans-1,4-Dichloro-2-B...	6.499	53	11200	29.7479	ug/L		94
94)	1,2,3-Trichloropropane	6.460	110	8323	30.0577	ug/L		91
95)	Cyclohexanone	6.475	55	6241	300.9696	ug/L		95
96)	4-Chlorotoluene	6.575	91	100013	26.4446	ug/L		97
97)	tert-Butylbenzene	6.745	91	67023	26.7836	ug/L		98
98)	1,2,4-Trimethylbenzene	6.799	105	108957	27.7963	ug/L		97
99)	Pentachloroethane	6.745	167	19807	32.4570	ug/L	#	66
100)	sec-Butylbenzene	6.883	105	132259	24.8721	ug/L		98
101)	4-Isopropyltoluene	7.006	119	112372	26.1888	ug/L		98
102)	1,3-Dichlorobenzene	7.030	146	59623	24.8184	ug/L		96
103)	1,2,3-Trimethylbenzene	7.137	105	102379	25.9236	ug/L		98
104)	1,4-Dichlorobenzene	7.099	146	60227	25.2450	ug/L		93
105)	n-Butylbenzene	7.337	92	53491	24.7681	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\
Data File : 1A59559.d
Acq On : 29 Sep 2024 9:04 pm
Operator : jeniferw
Sample : FC19130-2MSD Inst : MSVOA17-1A_2A
Misc : MS57599,V1A3060,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 30 02:33:49 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\method\V1A3047_09182024
... .M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
106) Benzyl Chloride	7.291	126	6865	24.2281	ug/L	93
107) 1,2-Dichlorobenzene	7.422	146	52658	25.2761	ug/L	96
108) 1,2-Dibromo-3-Chloropr...	8.007	75	4035	32.3776	ug/L	93
109) Hexachlorobutadiene	8.507	225	12338	22.0793	ug/L	96
110) 1,2,4-Trichlorobenzene	8.500	180	27559	27.7513	ug/L	95
111) Naphthalene	8.707	128	59249	33.7834	ug/L	99
112) 1,2,3-Trichlorobenzene	8.831	180	22953	29.7236	ug/L	97

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

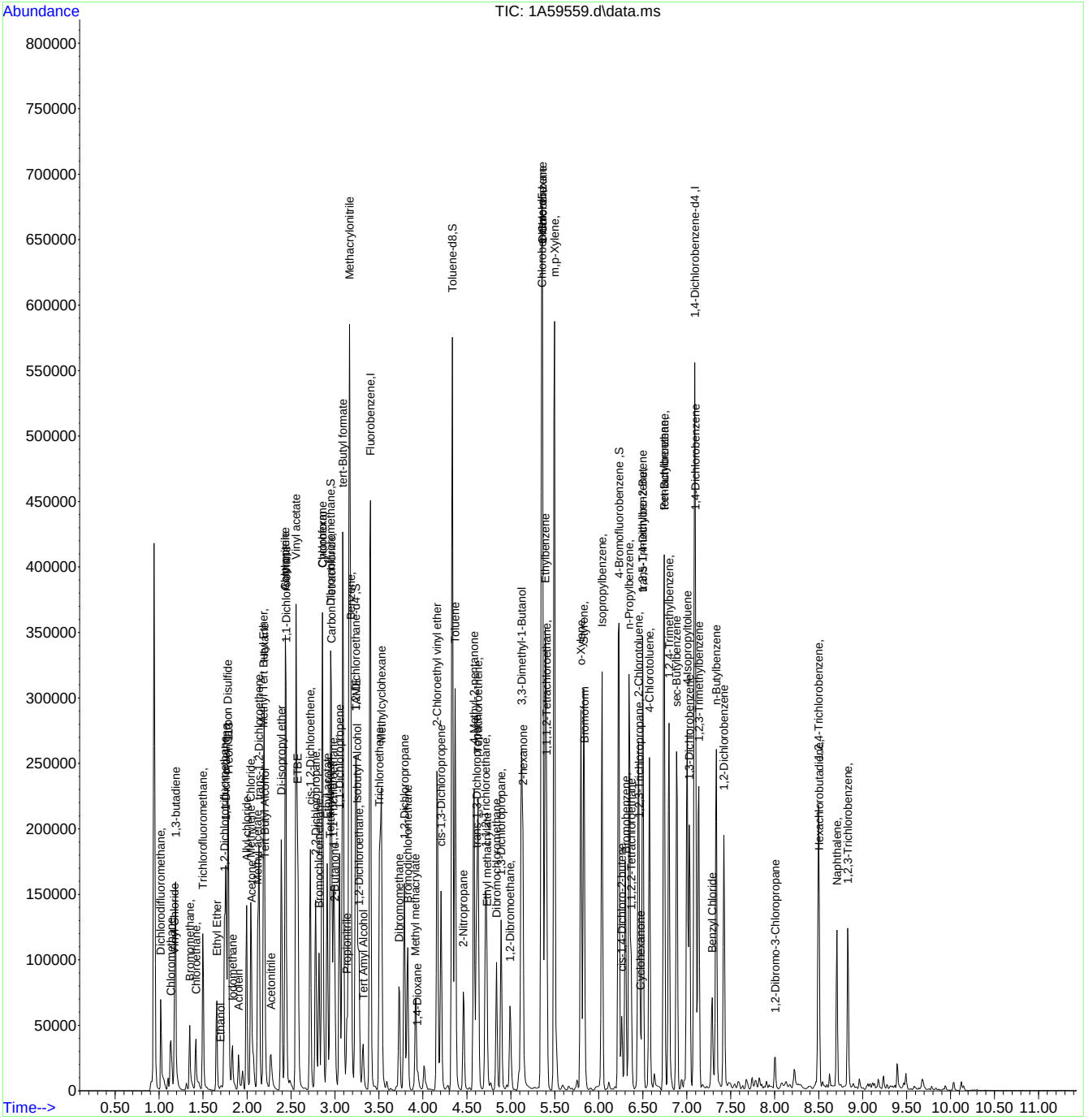
7.4.2

7

Quantitation Report (QT Reviewed)

Data Path : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\
Data File : 1A59559.d
Acq On : 29 Sep 2024 9:04 pm
Operator : jeniferw
Sample : FC19130-2MSD Inst : MSVOA17-1A_2A
Misc : MS57599,V1A3060,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 30 02:33:49 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\method\V1A3047_09182024
... .M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration



Manual Integration Approval Summary

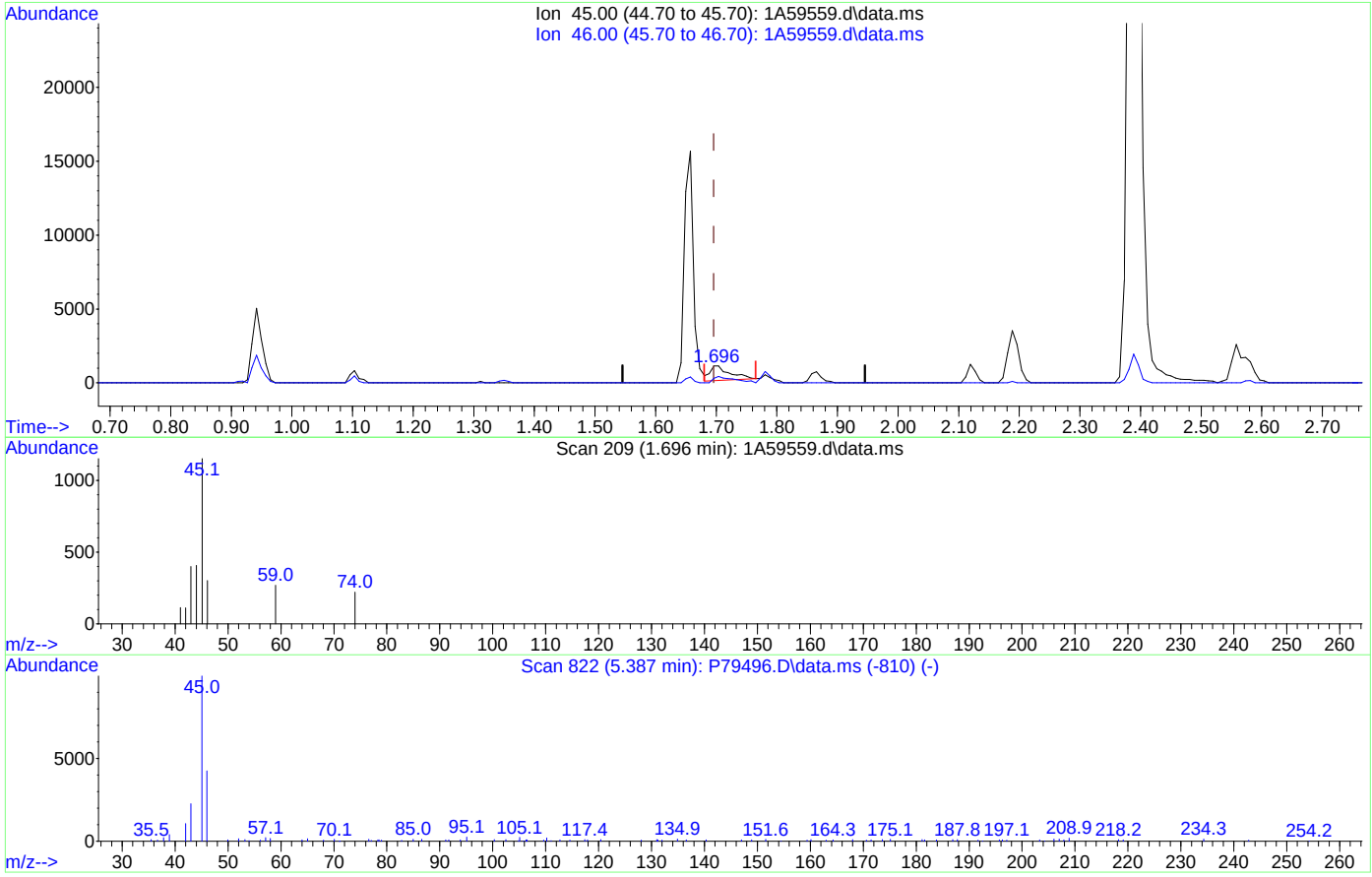
Sample Number: FC19130-2MSD
Lab FileID: 1A59559.D
Injection Time: 09/29/24 21:04
Method: SW846 8260D
Analyst approved: 09/29/24 23:14 Jhenelle Bondal
Supervisor approved: 09/30/24 12:24 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		1.70	Poorly defined baseline
Carbon Tetrachloride	56-23-5		2.96	Overlapping peak
1-Chlorohexane	544-10-5		5.36	Overlapping peak
Ethylbenzene	100-41-4		5.39	Overlapping peak

Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\
Data File : 1A59559.d
Acq On : 29 Sep 2024 9:04 pm
Operator : jeniferw
Sample : FC19130-2MSD Inst : MSVOA17-1A_2A
Misc : MS57599,V1A3060,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 30 02:10:15 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\method\V1A3047_09182024
... .M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration



TIC: 1A59559.d\data.ms

(10) Ethanol

1.696min (-0.000) 326.66ug/L

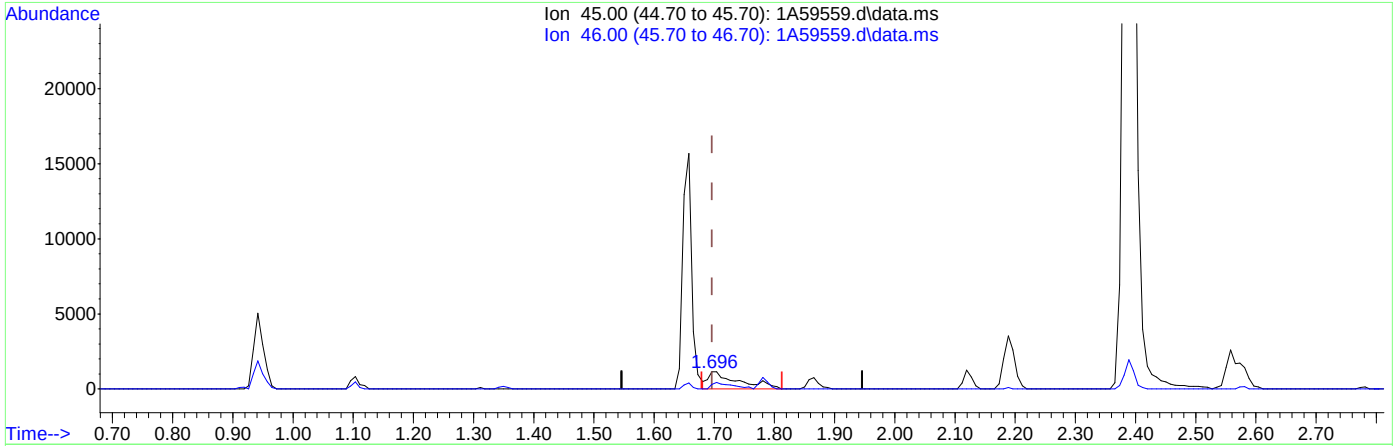
response 2250

Ion	Exp%	Act%
45.00	100	100
46.00	35.50	35.12
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\
Data File : 1A59559.d
Acq On : 29 Sep 2024 9:04 pm
Operator : jeniferw
Sample : FC19130-2MSD Inst : MSVOA17-1A_2A
Misc : MS57599,V1A3060,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 30 02:10:15 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\method\V1A3047_09182024
... .M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration



TIC: 1A59559.d\data.ms

(10) Ethanol

1.696min (-0.000) 579.65ug/L m

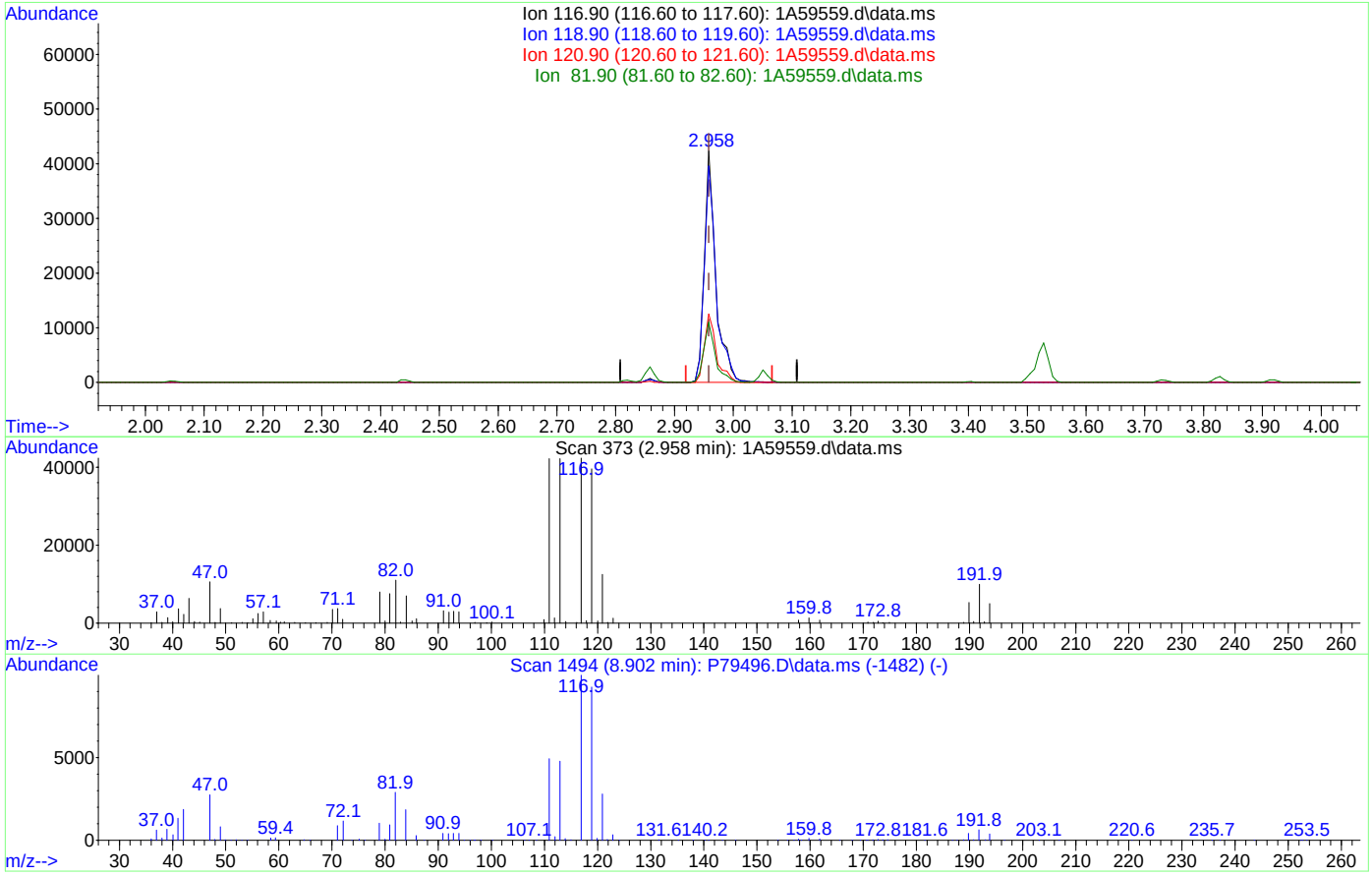
response 4009

Ion	Exp%	Act%
45.00	100	100
46.00	35.50	26.22
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\
Data File : 1A59559.d
Acq On : 29 Sep 2024 9:04 pm
Operator : jeniferw
Sample : FC19130-2MSD Inst : MSVOA17-1A_2A
Misc : MS57599,V1A3060,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 30 02:10:15 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\method\V1A3047_09182024
... .M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration



TIC: 1A59559.d\data.ms

(40) Carbon Tetrachloride ( )

2.958min (-0.000) 32.34ug/L

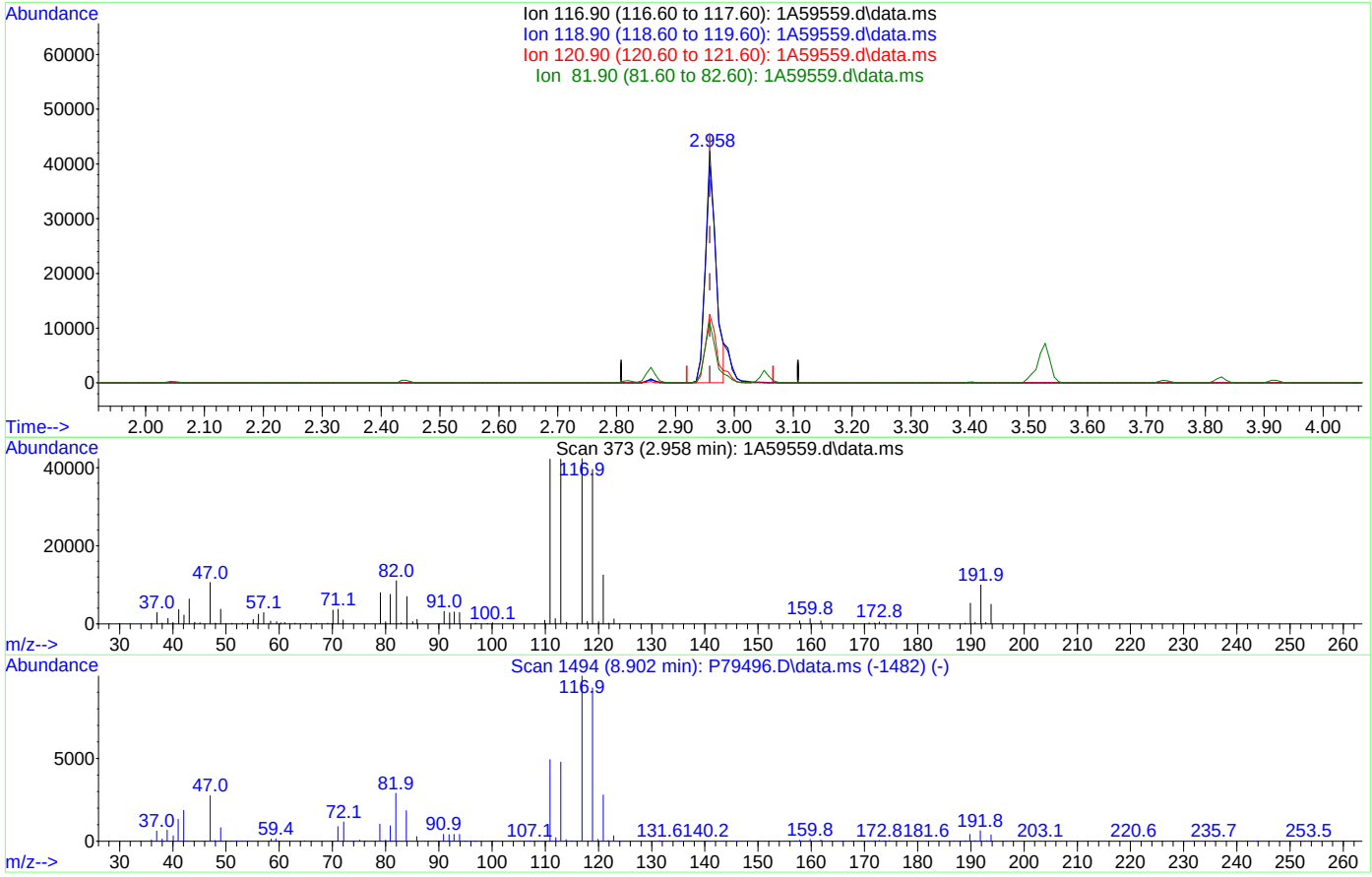
response 58379

Ion	Exp%	Act%
116.90	100	100
118.90	97.80	93.45
120.90	30.90	29.51
81.90	25.10	25.96

Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\
Data File : 1A59559.d
Acq On : 29 Sep 2024 9:04 pm
Operator : jeniferw
Sample : FC19130-2MSD Inst : MSVOA17-1A_2A
Misc : MS57599,V1A3060,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 30 02:10:15 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\method\V1A3047_09182024
... .M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration



TIC: 1A59559.d\data.ms

(40) Carbon Tetrachloride ( )

2.958min (-0.000) 29.56ug/L m

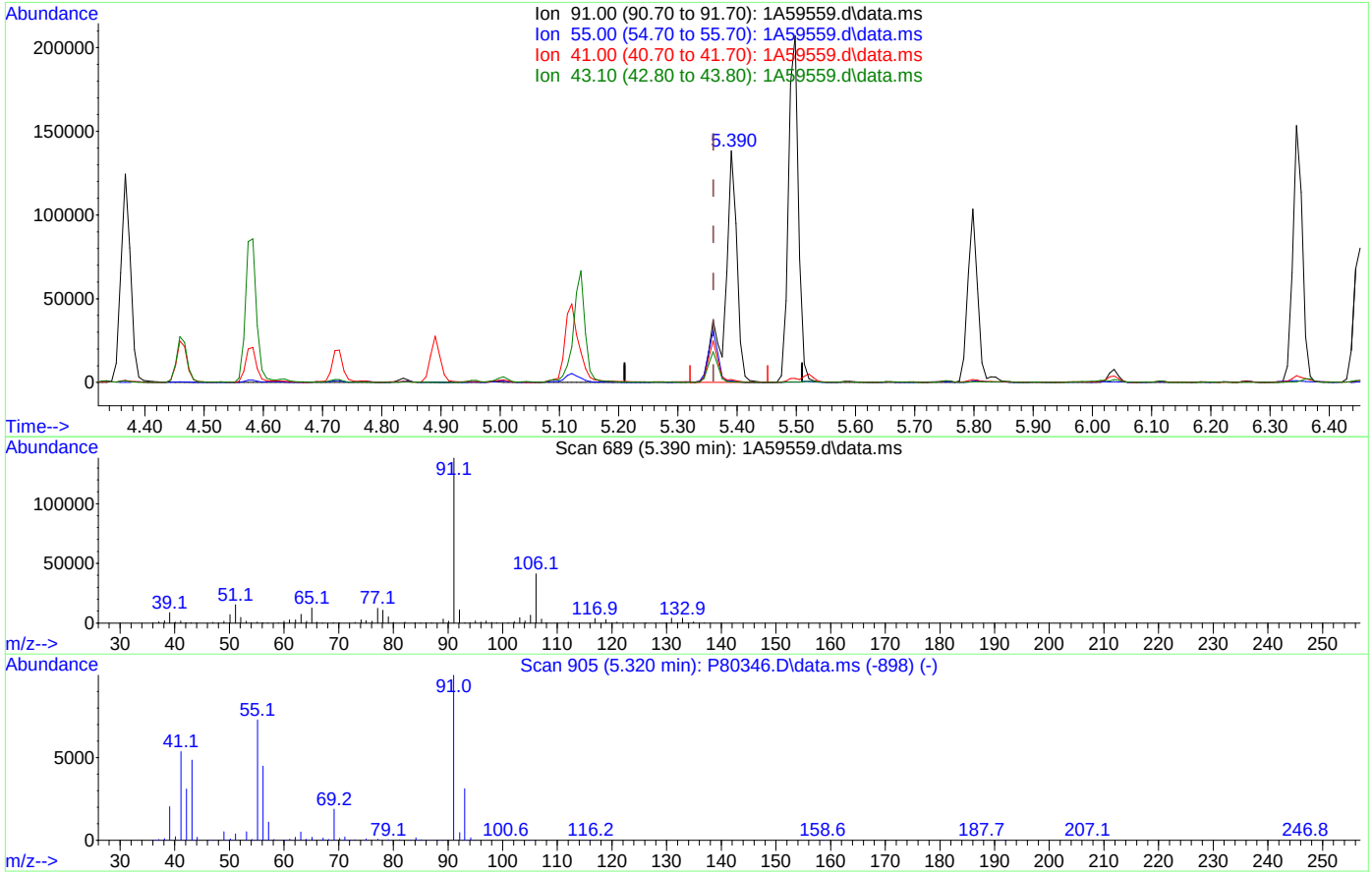
response 53362

Ion	Exp%	Act%
116.90	100	100
118.90	97.80	93.45
120.90	30.90	29.51
81.90	25.10	25.96

Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\
Data File : 1A59559.d
Acq On : 29 Sep 2024 9:04 pm
Operator : jeniferw
Sample : FC19130-2MSD Inst : MSVOA17-1A_2A
Misc : MS57599,V1A3060,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 30 02:10:15 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\method\V1A3047_09182024
... .M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration



TIC: 1A59559.d\data.ms

(76) 1-Chlorohexane

5.390min (+0.030) 106.67ug/L

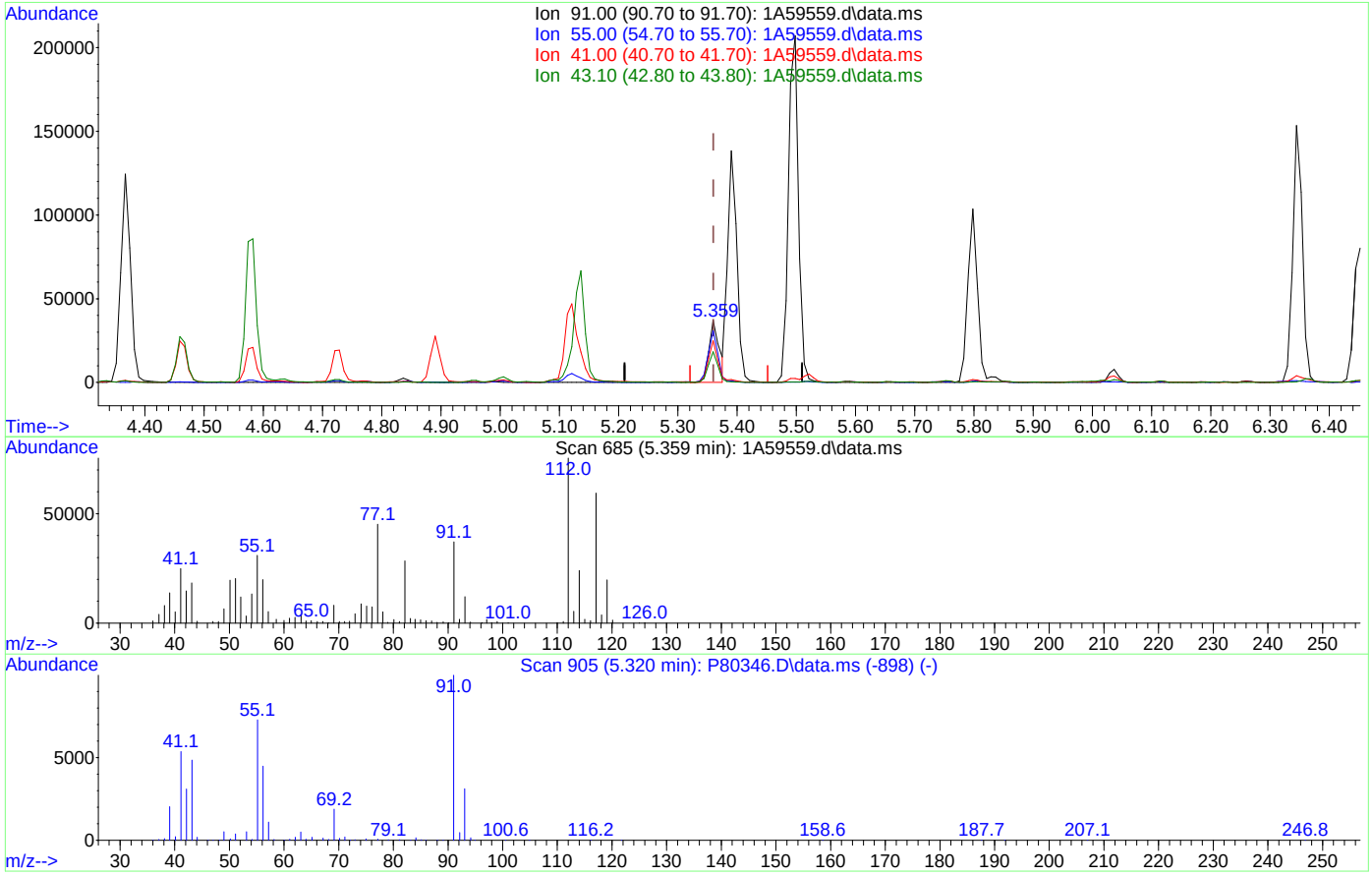
response 197407

Ion	Exp%	Act%
91.00	100	100
55.00	69.60	0.63#
41.00	56.40	1.16#
43.10	42.00	0.26#

Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\
Data File : 1A59559.d
Acq On : 29 Sep 2024 9:04 pm
Operator : jeniferw
Sample : FC19130-2MSD Inst : MSVOA17-1A_2A
Misc : MS57599,V1A3060,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 30 02:10:15 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\method\V1A3047_09182024
... .M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration



TIC: 1A59559.d\data.ms

(76) 1-Chlorohexane

5.359min (-0.001) 24.32ug/L m

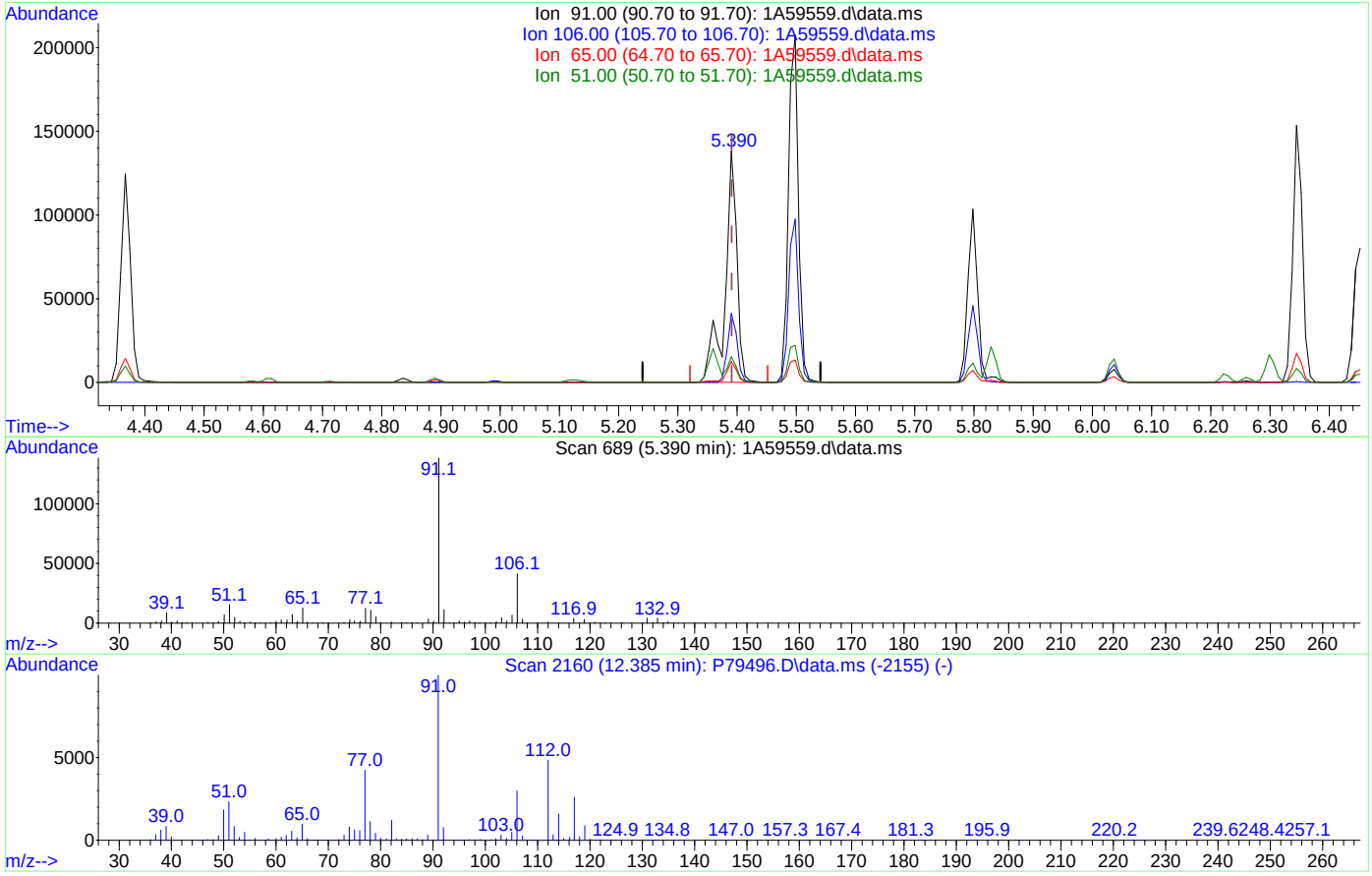
response 45013

Ion	Exp%	Act%
91.00	100	100
55.00	69.60	83.28
41.00	56.40	67.03
43.10	42.00	49.35

Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\
Data File : 1A59559.d
Acq On : 29 Sep 2024 9:04 pm
Operator : jeniferw
Sample : FC19130-2MSD Inst : MSVOA17-1A_2A
Misc : MS57599,V1A3060,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 30 02:10:15 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\method\V1A3047_09182024
... .M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration



TIC: 1A59559.d\data.ms

(77) Ethylbenzene

5.390min (-0.001) 32.90ug/L

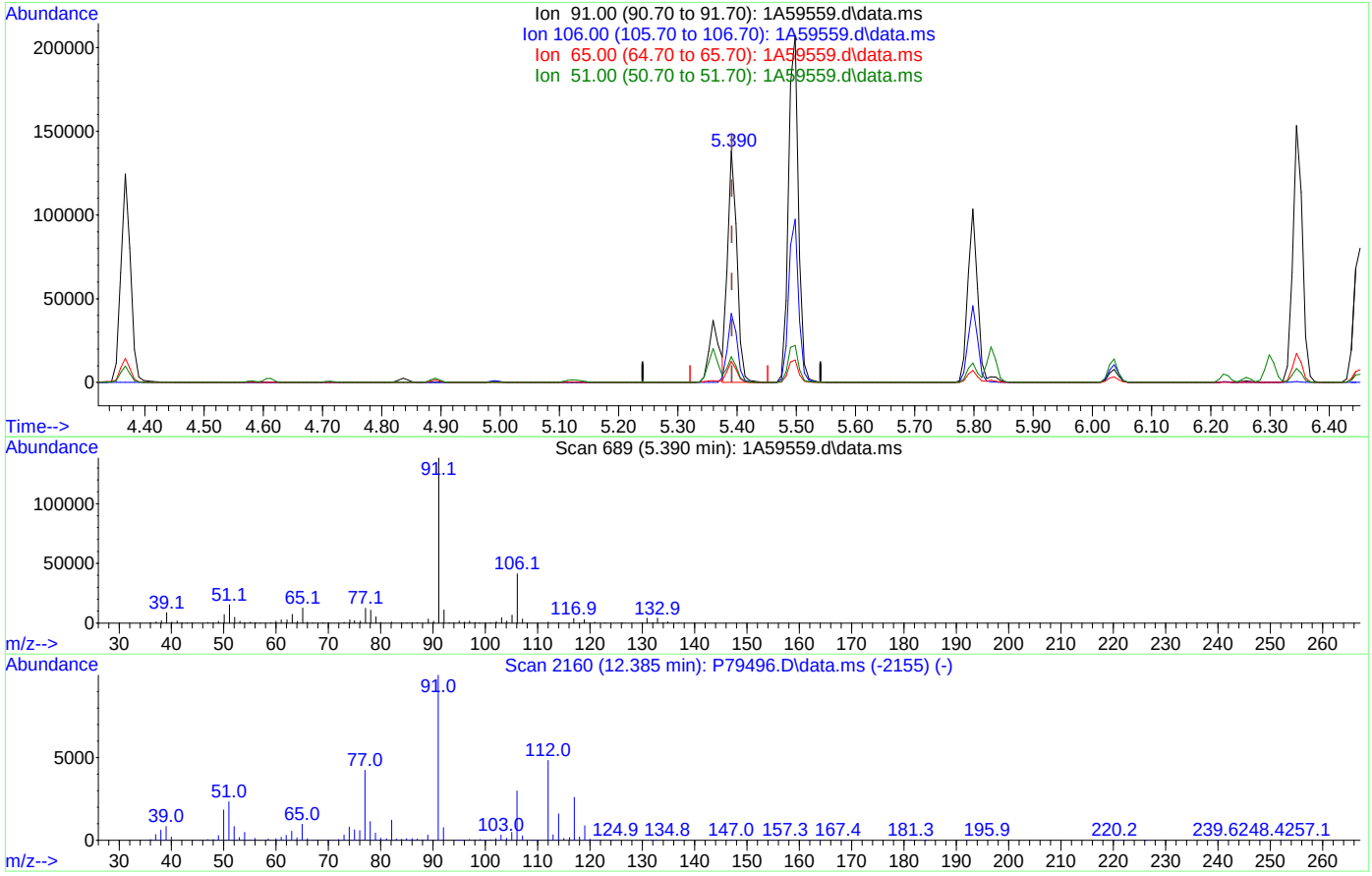
response 197407

Ion	Exp%	Act%
91.00	100	100
106.00	30.40	29.74
65.00	8.50	9.10
51.00	10.30	11.11

Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\
Data File : 1A59559.d
Acq On : 29 Sep 2024 9:04 pm
Operator : jeniferw
Sample : FC19130-2MSD Inst : MSVOA17-1A_2A
Misc : MS57599,V1A3060,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 30 02:10:15 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\method\V1A3047_09182024
... .M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration



TIC: 1A59559.d\data.ms

(77) Ethylbenzene

5.390min (-0.001) 25.40ug/L m

response 152383

Ion	Exp%	Act%
91.00	100	100
106.00	30.40	29.74
65.00	8.50	9.10
51.00	10.30	11.11

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
10/01/24 08:55

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\093024\
Data File : 1O87907.D
Acq On : 30 Sep 2024 4:59 pm
Operator : jeniferw
Sample : FC19169-1MS Inst : MSVOA12-O
Misc : MS57601,V1O4089,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 01 06:16:46 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Aug 15 12:51:02 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.970	96	663196	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.964	117	447288	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.707	152	218799	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.507	113	168881	52.43	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 104.86%			
50) 1,2-Dichloroethane-d4	3.812	65	204250	50.29	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 100.58%			
63) Toluene-d8	4.927	98	641723	47.33	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 94.66%			
86) 4-Bromofluorobenzene	6.854	174	152672	46.77	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 93.54%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.196	85	88607	24.17	ug/L	100
3) Chloromethane	1.337	50	55670	22.55	ug/L	99
4) 1,3-butadiene	1.416	39	53031	25.32	ug/L	97
5) Vinyl Chloride	1.398	62	73586	24.74	ug/L	100
6) Bromomethane	1.629	94	27142	16.62	ug/L	97
7) Chloroethane	1.715	64	39180	46.47	ug/L	96
8) Trichlorofluoromethane	1.812	101	97289	28.11	ug/L	98
9) Ethyl Ether	2.019	59	43232	21.91	ug/L	98
10) Ethanol	2.111	45	16056	445.28	ug/L	95
11) 1,2-Dichlorotrifluoroe...	2.141	67	74381	24.65	ug/L	95
12) 1,1-Dichloroethene	2.141	61	87341	26.10	ug/L	99
13) Freon 113	2.172	101	56357	25.13	ug/L	97
14) Carbon Disulfide	2.160	76	164423	21.94	ug/L	99
15) Iodomethane	2.233	142	17251	6.29	ug/L	99
16) Acrolein	2.343	56	71216	111.75	ug/L	99
17) Allyl chloride	2.434	41	69441	26.10	ug/L	98
18) Methylene Chloride	2.495	49	64200	25.30	ug/L	97
19) Acetone	2.519	43	137676	116.47	ug/L	99
20) Methyl acetate	2.592	43	275562	103.69	ug/L	98
21) trans-1,2-Dichloroethene	2.592	61	87288	25.51	ug/L	96
22) Hexane	2.641	56	36907	22.76	ug/L	94
23) Methyl Tert Butyl Ether	2.653	73	169005	21.01	ug/L	97
24) Tert Butyl Alcohol	2.696	59	129672	179.76	ug/L	83
25) Acetonitrile	2.788	41	115824	298.11	ug/L	99
26) Di-isopropyl ether	2.867	45	130614	20.85	ug/L	96
27) Chloroprene	2.934	53	75309	27.20	ug/L	98
28) 1,1-Dichloroethane	2.946	63	113523	25.52	ug/L	98
29) Acrylonitrile	2.964	52	135900	117.52	ug/L	99
30) ETBE	3.074	59	143466	20.62	ug/L	99
31) Vinyl acetate	3.080	43	577576	127.29	ug/L	99
32) cis-1,2-Dichloroethene	3.251	96	70300	25.65	ug/L	97
33) 2,2-Dichloropropane	3.312	77	78787	21.37	ug/L	99
34) Bromochloromethane	3.361	128	29321	23.46	ug/L	96
35) Cyclohexane	3.373	56	75036	22.41	ug/L	96
36) Chloroform	3.397	83	133202	26.35	ug/L	99
37) Ethyl acetate	3.458	43	391551	108.64	ug/L	100
38) Tetrahydrofuran	3.489	42	23921	17.07	ug/L	94
40) Carbon Tetrachloride	3.489	117	72026m	28.75	ug/L	
41) 1,1,1-Trichloroethane	3.525	97	101312	26.73	ug/L	98
42) 2-Butanone	3.568	43	212430	102.94	ug/L	99
43) 1,1-Dichloropropene	3.592	75	94878	28.39	ug/L	98
45) Propionitrile	3.739	54	160612	259.56	ug/L	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\093024\
Data File : 1O87907.D
Acq On : 30 Sep 2024 4:59 pm
Operator : jeniferw
Sample : FC19169-1MS Inst : MSVOA12-O
Misc : MS57601,V1O4089,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 01 06:16:46 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Aug 15 12:51:02 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Methacrylonitrile	3.751	41	530095	270.00	ug/L		99
47) Benzene	3.733	78	279649	24.95	ug/L		96
48) TAME	3.891	73	56972	15.83	ug/L	#	65
49) Isobutyl alcohol	3.830	43	81102m	438.87	ug/L		
51) 1,2-Dichloroethane	3.848	62	91900	26.80	ug/L		97
52) Tert Amyl Alcohol	3.891	59	78912	158.50	ug/L	#	81
53) Trichloroethene	4.074	95	70148	24.56	ug/L		98
54) Methylcyclohexane	4.074	83	87603	22.72	ug/L		99
55) Dibromomethane	4.324	93	44401	25.46	ug/L		96
56) 1,2-Dichloropropane	4.385	63	62814	24.88	ug/L		96
57) Bromodichloromethane	4.415	83	80494	25.77	ug/L		98
58) Methyl methacrylate	4.501	41	54215	24.64	ug/L		95
59) 1,4-Dioxane	4.531	88	17995	346.87	ug/L		96
61) cis-1,3-Dichloropropene	4.805	75	87965	22.70	ug/L		99
64) Toluene	4.958	91	272724	23.00	ug/L		99
65) 2-Nitropropane	5.104	41	62885	160.47	ug/L		100
66) 4-Methyl-2-pentanone	5.190	43	399785	110.30	ug/L		98
67) trans-1,3-Dichloropropene	5.220	75	83347	21.30	ug/L		96
68) Tetrachloroethene	5.214	166	54204	23.23	ug/L		94
69) Ethyl methacrylate	5.318	69	95627	23.48	ug/L		96
70) 1,1,2-Trichloroethane	5.330	83	56795	24.30	ug/L		96
71) Dibromochloromethane	5.452	129	53768	26.21	ug/L		99
72) 1,3-Dichloropropane	5.513	76	114202	24.19	ug/L		99
73) 1,2-Dibromoethane	5.616	107	63457	24.03	ug/L		93
74) 3,3-dimethyl-1-butanol	5.732	57	571966	1013.21	ug/L		99
75) 2-hexanone	5.750	43	409106	109.23	ug/L		96
76) 1-Chlorohexane	5.958	91	66740m	18.99	ug/L		
77) Ethylbenzene	5.994	91	295161	23.06	ug/L		99
78) Chlorobenzene	5.976	112	165864	23.28	ug/L		99
79) 1,1,1,2-Tetrachloroethane	6.019	131	49038	25.84	ug/L		95
80) m,p-Xylene	6.098	91	448413	45.85	ug/L		99
81) o-Xylene	6.409	91	216009	22.31	ug/L		100
82) Styrene	6.445	104	161364	23.17	ug/L		98
83) Bromoform	6.470	173	26563	25.29	ug/L		96
84) Isopropylbenzene	6.640	105	239697	22.76	ug/L		99
87) cis-1,4-Dichloro-2-butene	6.897	53	24084	23.06	ug/L	#	82
88) n-Propylbenzene	6.957	91	299527	21.93	ug/L		97
89) Bromobenzene	6.933	156	59499	22.17	ug/L		99
90) 1,1,2,2-Tetrachloroethane	7.000	83	106110	23.55	ug/L		98
91) 1,3,5-Trimethylbenzene	7.104	105	208338	23.26	ug/L		99
92) 2-Chlorotoluene	7.073	91	210436	21.80	ug/L		98
93) trans-1,4-Dichloro-2-B...	7.140	53	16900	18.36	ug/L	#	79
94) 1,2,3-Trichloropropane	7.110	110	32586	22.92	ug/L		99
95) Cyclohexanone	7.140	55	15611	83.44	ug/L		96
96) 4-Chlorotoluene	7.201	91	198915	22.03	ug/L		98
97) tert-Butylbenzene	7.354	91	116840	22.34	ug/L		100
99) 1,2,4-Trimethylbenzene	7.409	105	205917	23.47	ug/L		99
100) Pentachloroethane	7.372	167	28975	29.30	ug/L	#	85
101) sec-Butylbenzene	7.494	105	222675	22.07	ug/L		99
102) 4-Isopropyltoluene	7.598	119	181092	22.63	ug/L		98
103) 1,3-Dichlorobenzene	7.652	146	106038	21.93	ug/L		98
104) 1,2,3-Trimethylbenzene	7.738	105	208930	21.84	ug/L		99
105) 1,4-Dichlorobenzene	7.720	146	112114	22.69	ug/L		97
106) n-Butylbenzene	7.915	92	107936	22.04	ug/L		96
107) Benzyl Chloride	7.902	126	14167	15.70	ug/L	#	56
108) 1,2-Dichlorobenzene	8.030	146	100717	22.04	ug/L		99
109) 1,2-Dibromo-3-Chloropr...	8.597	75	22538	22.77	ug/L		99
110) Hexachlorobutadiene	9.055	225	18479	23.88	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\093024\
Data File : 1O87907.D
Acq On : 30 Sep 2024 4:59 pm
Operator : jeniferw
Sample : FC19169-1MS Inst : MSVOA12-O
Misc : MS57601,V1O4089,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 01 06:16:46 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Aug 15 12:51:02 2024
Response via : Initial Calibration

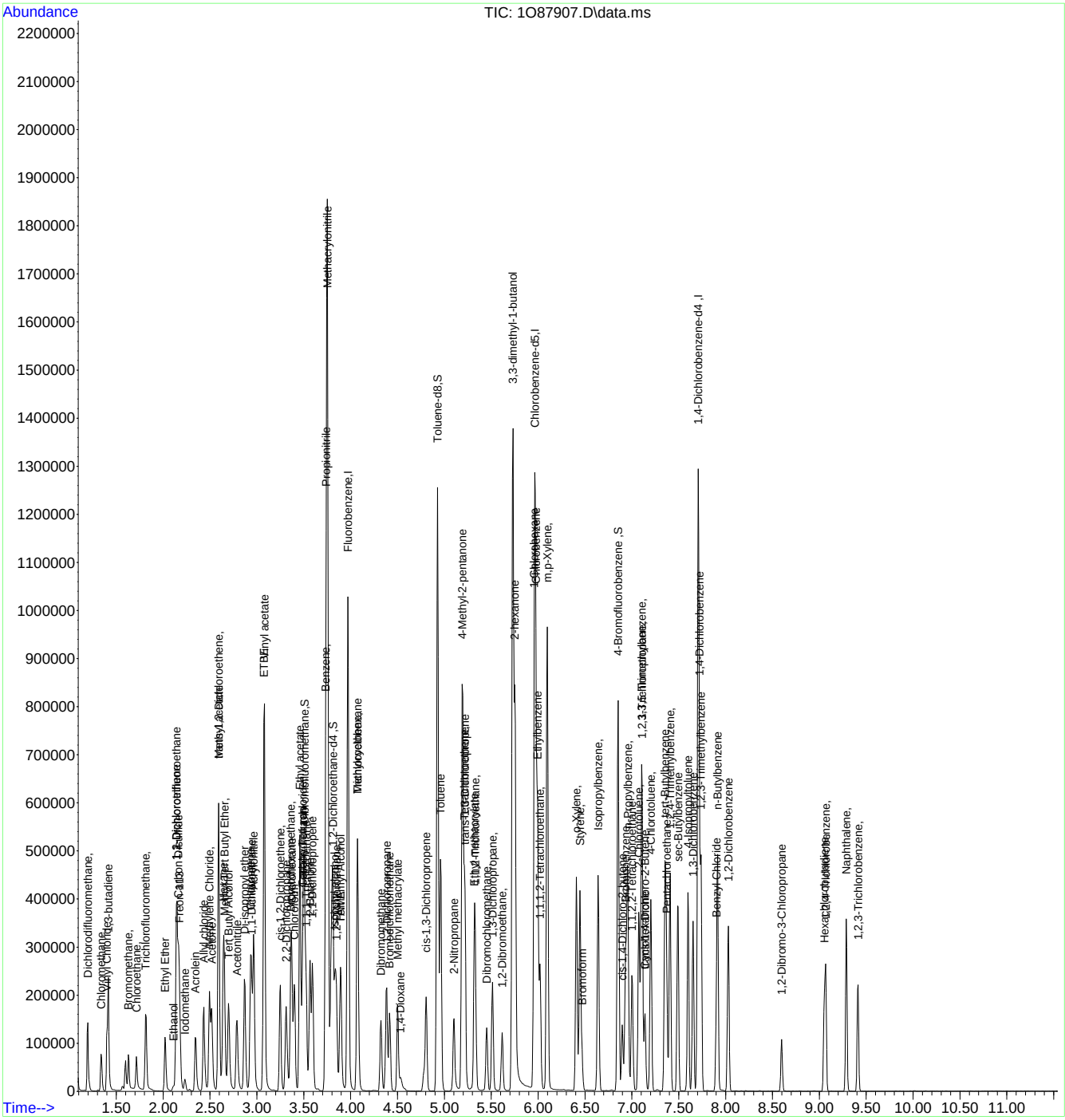
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
111) 1,2,4-Trichlorobenzene	9.067	180	47197	21.99	ug/L	97
112) Naphthalene	9.286	128	190858	20.28	ug/L	99
113) 1,2,3-Trichlorobenzene	9.414	180	45767	23.09	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\093024\
Data File : 1O87907.D
Acq On : 30 Sep 2024 4:59 pm
Operator : jeniferw
Sample : FC19169-1MS Inst : MSVOA12-O
Misc : MS57601,V1O4089,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 01 06:16:46 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Aug 15 12:51:02 2024
Response via : Initial Calibration



Manual Integration Approval Summary

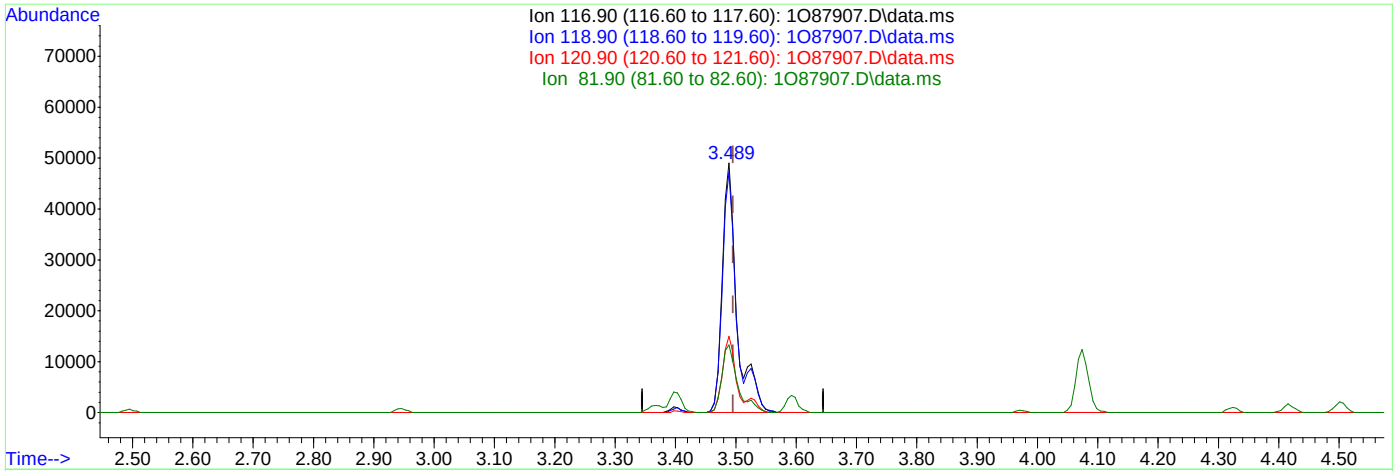
Sample Number: FC19169-1MS
Lab FileID: 1O87907.D
Injection Time: 09/30/24 16:59
Method: SW846 8260D
Analyst approved: 10/01/24 06:22 Jenifer Willis
Supervisor approved: 10/01/24 08:55 Karen Watson

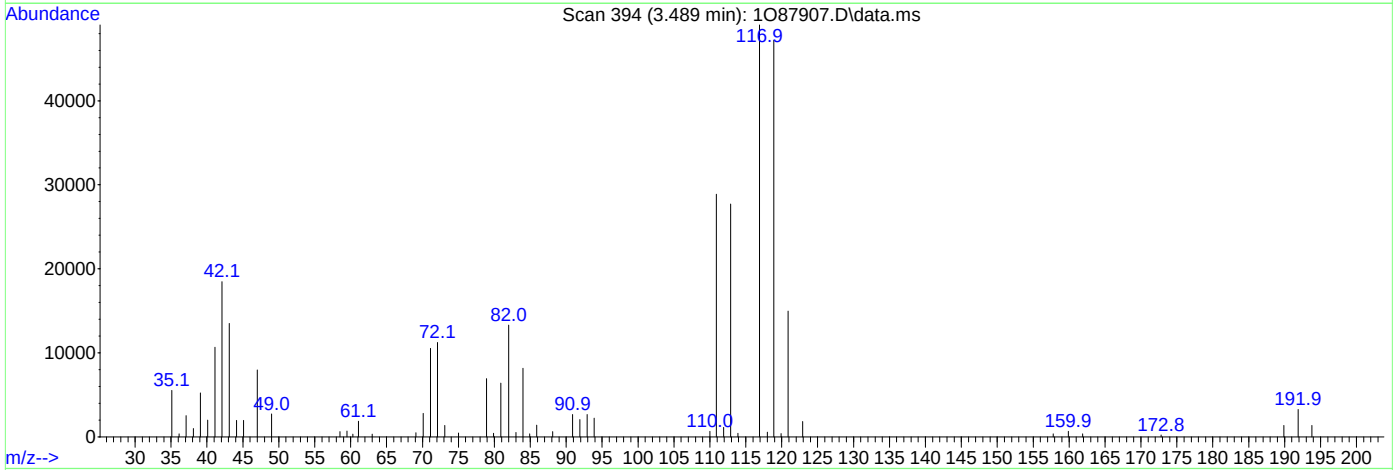
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.49	Overlapping peak
Isobutyl Alcohol	78-83-1		3.83	Poorly defined baseline
1-Chlorohexane	544-10-5		5.96	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\093024\
Data File : 1O87907.D
Acq On : 30 Sep 2024 4:59 pm
Operator : jeniferw
Sample : FC19169-1MS Inst : MSVOA12-O
Misc : MS57601,V1O4089,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 01 06:01:49 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Aug 15 12:51:02 2024
Response via : Initial Calibration





TIC: 1O87907.D\data.ms

(40) Carbon Tetrachloride ( )

3.489min (-0.006) 33.41ug/L

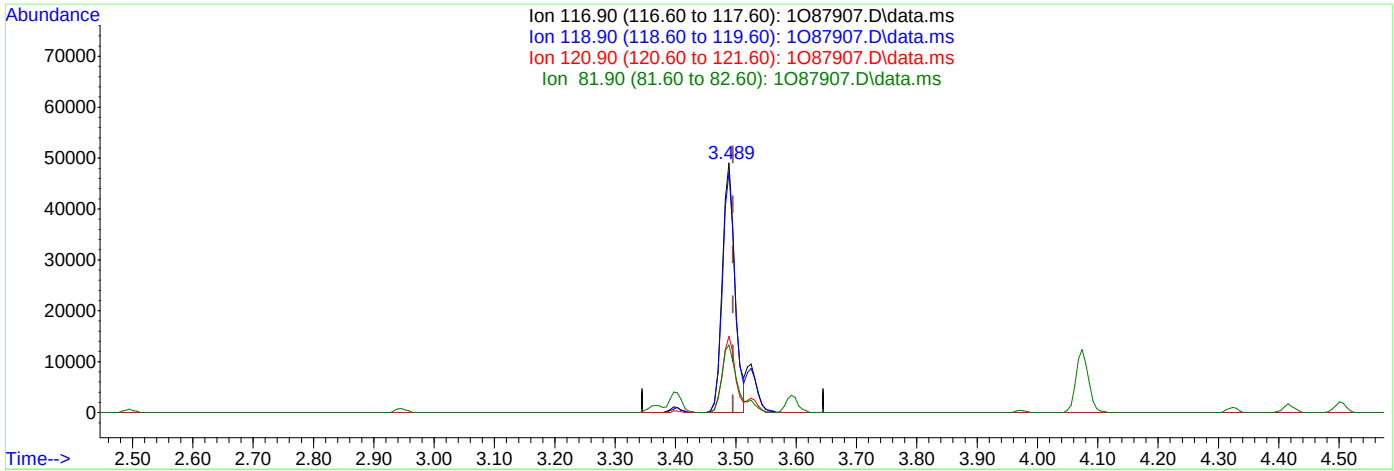
response 83697

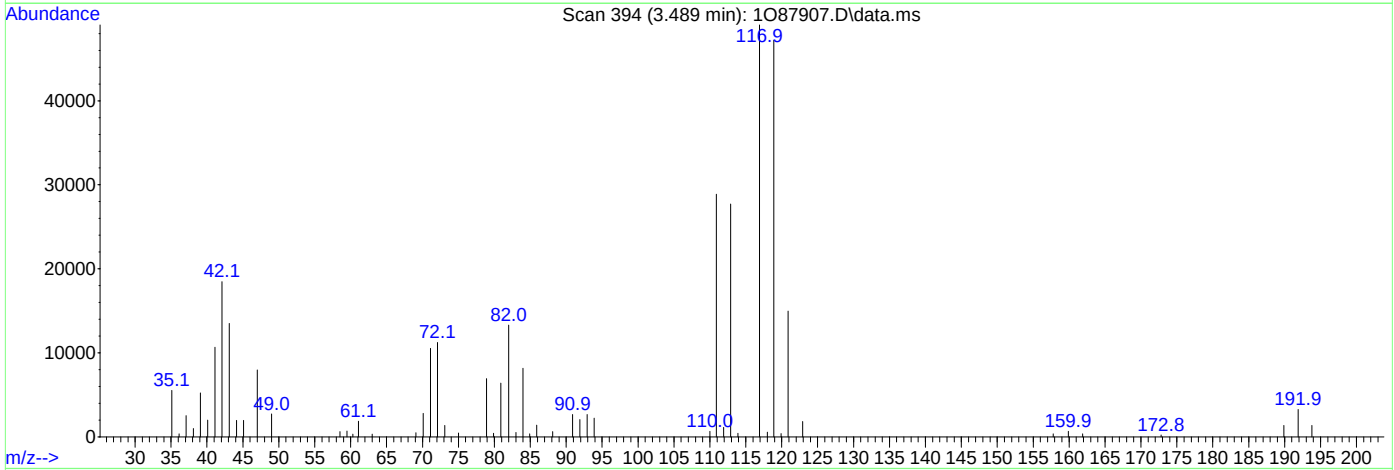
Ion	Exp%	Act%
116.90	100	100
118.90	99.70	96.22
120.90	31.50	30.52
81.90	28.20	27.10

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\093024\
Data File : 1O87907.D
Acq On : 30 Sep 2024 4:59 pm
Operator : jeniferw
Sample : FC19169-1MS Inst : MSVOA12-O
Misc : MS57601,V1O4089,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 01 06:01:49 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Aug 15 12:51:02 2024
Response via : Initial Calibration





TIC: 1O87907.D\data.ms

(40) Carbon Tetrachloride ( )

3.489min (-0.006) 28.75ug/L m

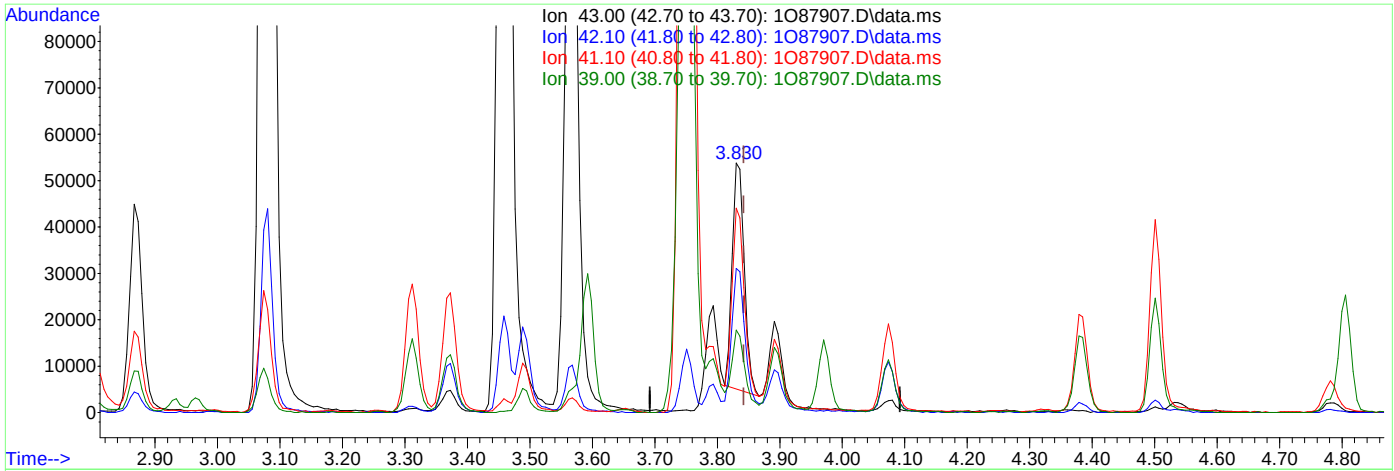
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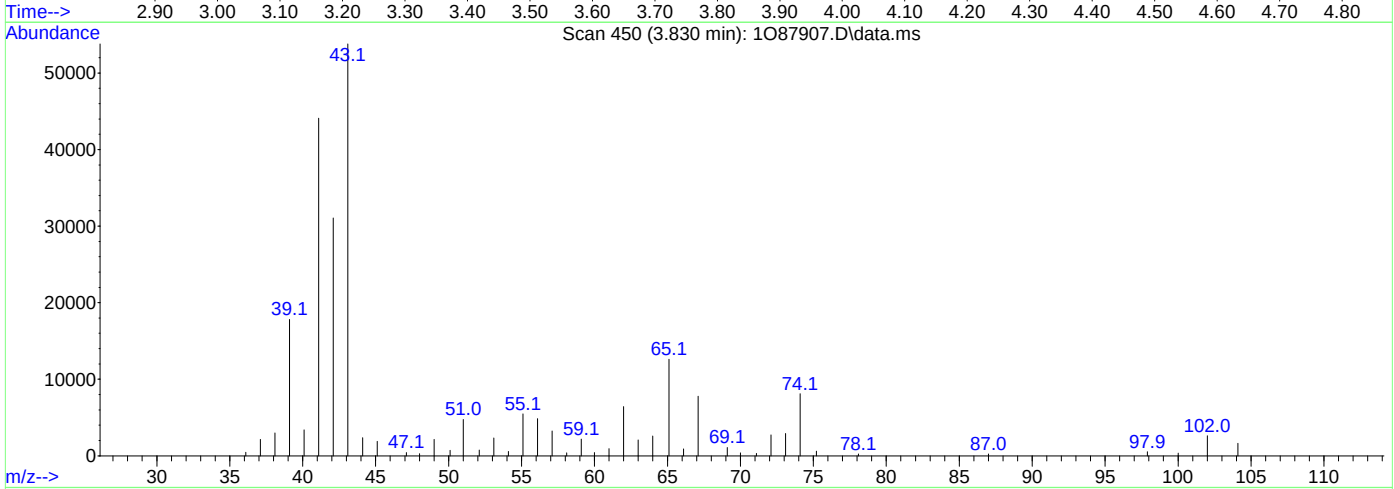
Ion	Exp%	Act%
116.90	100	100
118.90	99.70	96.22
120.90	31.50	30.52
81.90	28.20	27.10

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\093024\
Data File : 1O87907.D
Acq On : 30 Sep 2024 4:59 pm
Operator : jeniferw
Sample : FC19169-1MS Inst : MSVOA12-O
Misc : MS57601,V1O4089,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 01 06:01:49 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Aug 15 12:51:02 2024
Response via : Initial Calibration





TIC: 1O87907.D\data.ms

(49) Isobutyl alcohol

3.830min (-0.012) 354.83ug/L

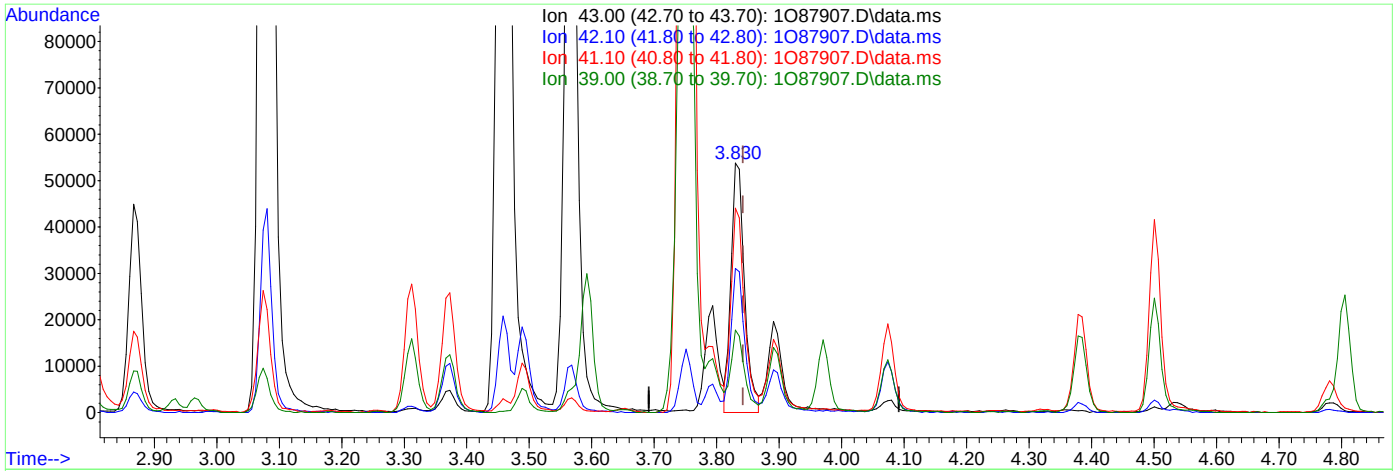
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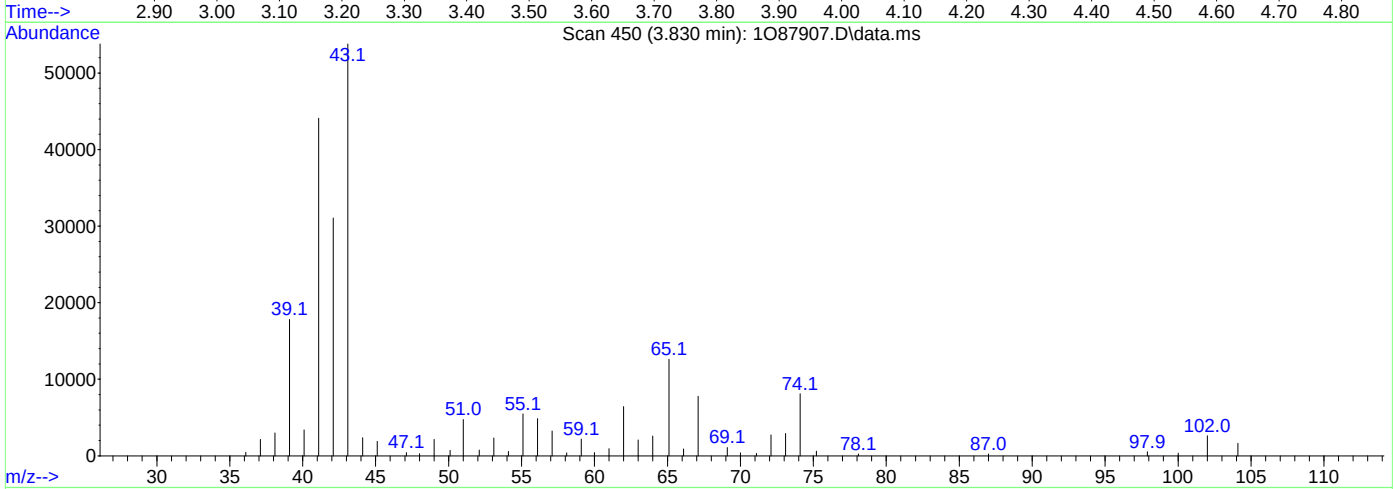
Ion	Exp%	Act%
43.00	100	100
42.10	60.40	57.89
41.10	76.50	80.80
39.00	27.90	32.20

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\093024\
Data File : 1O87907.D
Acq On : 30 Sep 2024 4:59 pm
Operator : jeniferw
Sample : FC19169-1MS Inst : MSVOA12-O
Misc : MS57601,V1O4089,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 01 06:01:49 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Aug 15 12:51:02 2024
Response via : Initial Calibration





TIC: 1O87907.D\data.ms

(49) Isobutyl alcohol

3.830min (-0.012) 438.87ug/L m

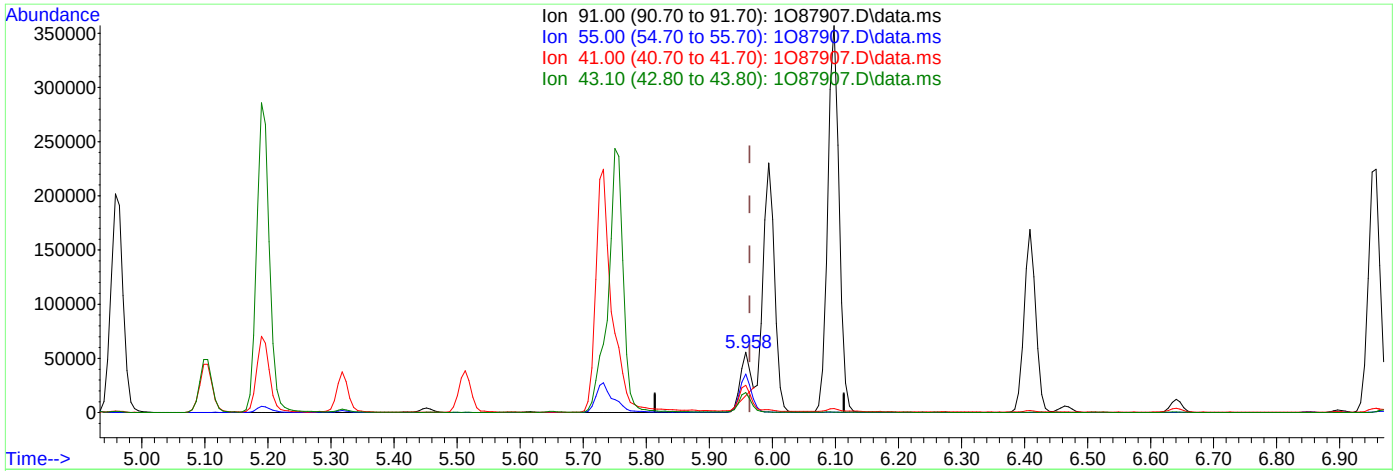
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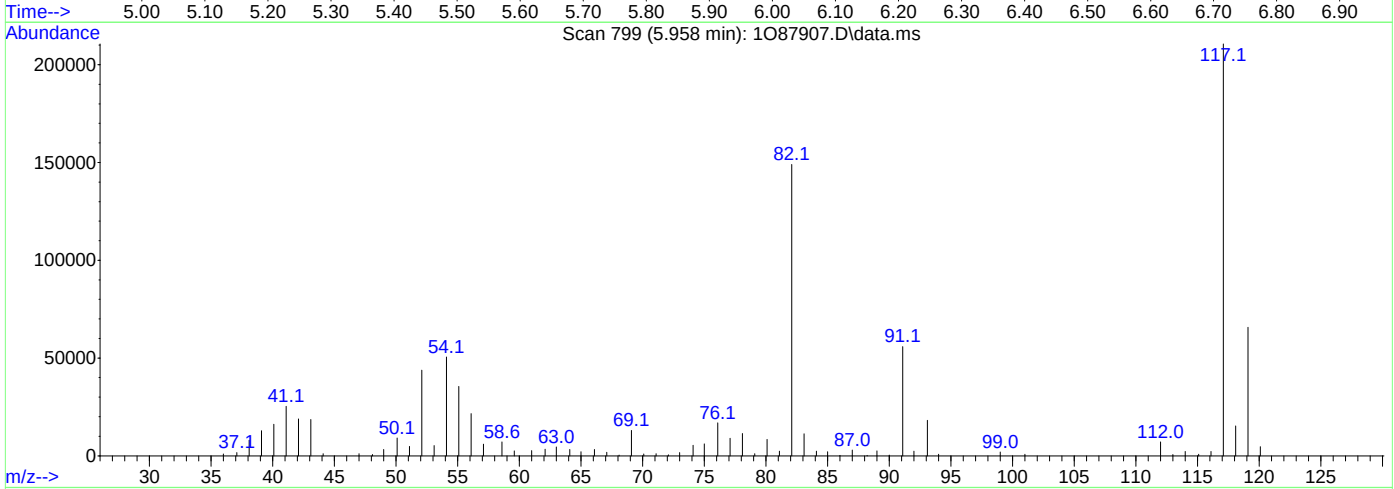
Ion	Exp%	Act%
43.00	100	100
42.10	60.40	57.72
41.10	76.50	81.92
39.00	27.90	33.08

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\093024\
Data File : 1O87907.D
Acq On : 30 Sep 2024 4:59 pm
Operator : jeniferw
Sample : FC19169-1MS Inst : MSVOA12-O
Misc : MS57601,V1O4089,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 01 06:01:49 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Aug 15 12:51:02 2024
Response via : Initial Calibration





TIC: 1O87907.D\data.ms

(76) 1-Chlorohexane

5.958min (-0.006) 11.58ug/L

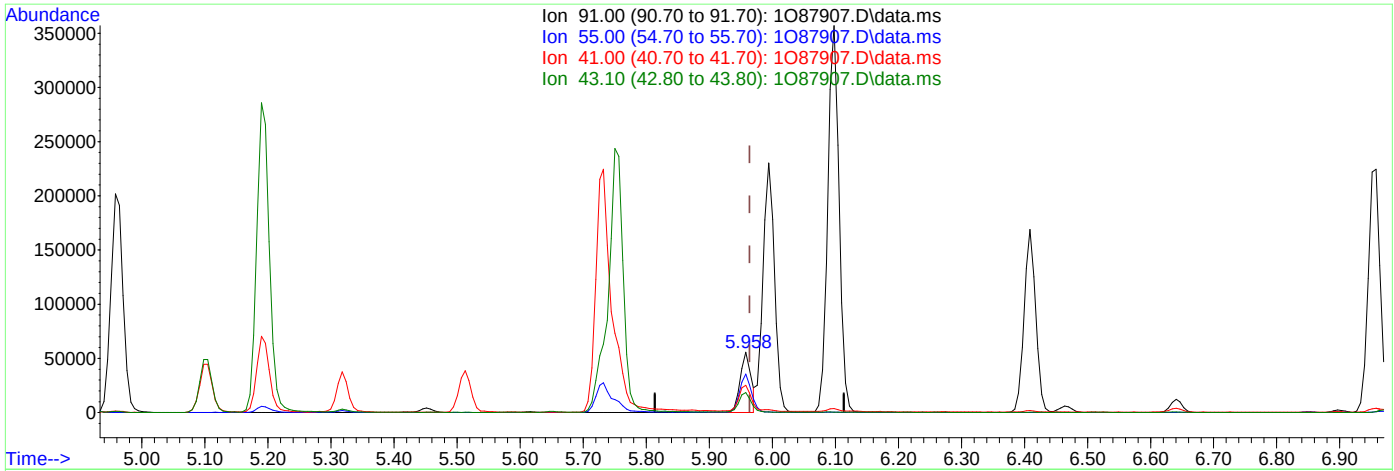
response 40706

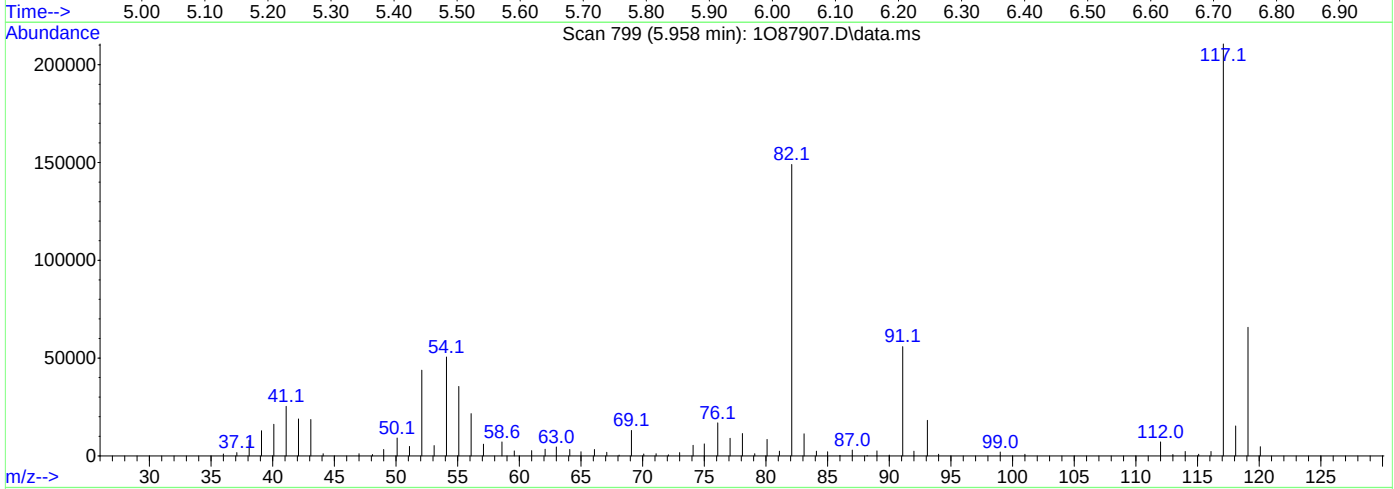
Ion	Exp%	Act%
91.00	100	100
55.00	61.00	63.03
41.00	43.40	42.66
43.10	34.90	31.90

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\093024\
Data File : 1O87907.D
Acq On : 30 Sep 2024 4:59 pm
Operator : jeniferw
Sample : FC19169-1MS Inst : MSVOA12-O
Misc : MS57601,V1O4089,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 01 06:01:49 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Aug 15 12:51:02 2024
Response via : Initial Calibration





TIC: 1O87907.D\data.ms

(76) 1-Chlorohexane

5.958min (-0.006) 18.99ug/L m

response 66740

Ion	Exp%	Act%
91.00	100	100
55.00	61.00	63.56
41.00	43.40	45.42
43.10	34.90	33.31

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
10/01/24 08:55

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\093024\
Data File : 1O87908.D
Acq On : 30 Sep 2024 5:24 pm
Operator : jeniferw
Sample : FC19169-1MSD Inst : MSVOA12-O
Misc : MS57601,V1O4089,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 01 06:17:18 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Aug 15 12:51:02 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.976	96	661767	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.964	117	443450	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.707	152	219024	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.507	113	169337	52.68	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	105.36%		
50) 1,2-Dichloroethane-d4	3.812	65	206230	50.88	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery =	101.76%		
63) Toluene-d8	4.927	98	647630	48.18	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery =	96.36%		
86) 4-Bromofluorobenzene	6.854	174	153941	47.11	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	94.22%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.196	85	78348	21.42	ug/L	98
3) Chloromethane	1.343	50	49425	20.06	ug/L	98
4) 1,3-butadiene	1.422	39	51542	24.66	ug/L	96
5) Vinyl Chloride	1.404	62	64323	21.67	ug/L	100
6) Bromomethane	1.635	94	27722	17.01	ug/L	96
7) Chloroethane	1.721	64	23032	27.38	ug/L	95
8) Trichlorofluoromethane	1.818	101	82860	23.99	ug/L	99
9) Ethyl Ether	2.026	59	42896	21.79	ug/L	99
10) Ethanol	2.123	45	22176	616.34	ug/L	96
11) 1,2-Dichlorotrifluoroe...	2.147	67	73711	24.48	ug/L	97
12) 1,1-Dichloroethene	2.147	61	86907	26.02	ug/L	97
13) Freon 113	2.178	101	57124	25.53	ug/L	97
14) Carbon Disulfide	2.166	76	161015	21.53	ug/L	98
15) Iodomethane	2.233	142	23775	8.68	ug/L	100
16) Acrolein	2.349	56	62716	98.63	ug/L	98
17) Allyl chloride	2.434	41	62691	23.61	ug/L	94
18) Methylene Chloride	2.495	49	63729	25.17	ug/L	98
19) Acetone	2.519	43	138204	117.17	ug/L	98
20) Methyl acetate	2.593	43	267121	100.73	ug/L	100
21) trans-1,2-Dichloroethene	2.593	61	85170	24.95	ug/L	99
22) Hexane	2.641	56	36983	22.86	ug/L	92
23) Methyl Tert Butyl Ether	2.653	73	172105	21.44	ug/L	88
24) Tert Butyl Alcohol	2.702	59	156218	217.02	ug/L	86
25) Acetonitrile	2.788	41	108032	278.66	ug/L	100
26) Di-isopropyl ether	2.873	45	131218	20.99	ug/L	99
27) Chloroprene	2.934	53	73222	26.51	ug/L	98
28) 1,1-Dichloroethane	2.946	63	110884	24.98	ug/L	99
29) Acrylonitrile	2.970	52	124154	107.59	ug/L	98
30) ETBE	3.080	59	143808	20.71	ug/L	97
31) Vinyl acetate	3.080	43	505851	111.73	ug/L	99
32) cis-1,2-Dichloroethene	3.251	96	68292	24.97	ug/L	97
33) 2,2-Dichloropropane	3.312	77	78343	21.30	ug/L	98
34) Bromochloromethane	3.361	128	28233	22.64	ug/L	97
35) Cyclohexane	3.373	56	74579	22.32	ug/L	97
36) Chloroform	3.403	83	130842	25.94	ug/L	99
37) Ethyl acetate	3.458	43	348167	96.81	ug/L	99
38) Tetrahydrofuran	3.489	42	25613	18.32	ug/L	98
40) Carbon Tetrachloride	3.489	117	71029m	28.41	ug/L	
41) 1,1,1-Trichloroethane	3.525	97	99827	26.39	ug/L	100
42) 2-Butanone	3.568	43	209872	101.92	ug/L	99
43) 1,1-Dichloropropene	3.592	75	92899	27.86	ug/L	97
45) Propionitrile	3.739	54	145745	236.04	ug/L	86

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\093024\
Data File : 1O87908.D
Acq On : 30 Sep 2024 5:24 pm
Operator : jeniferw
Sample : FC19169-1MSD Inst : MSVOA12-O
Misc : MS57601,V1O4089,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 01 06:17:18 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Aug 15 12:51:02 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Methacrylonitrile	3.751	41	476485	243.21	ug/L		97
47) Benzene	3.739	78	275592	24.64	ug/L		91
48) TAME	3.897	73	65787	18.32	ug/L	#	75
49) Isobutyl alcohol	3.836	43	87629m	475.22	ug/L		
51) 1,2-Dichloroethane	3.848	62	92188	26.94	ug/L		98
52) Tert Amyl Alcohol	3.897	59	90799	182.77	ug/L		83
53) Trichloroethene	4.074	95	69793	24.49	ug/L		97
54) Methylcyclohexane	4.074	83	88510	23.01	ug/L		99
55) Dibromomethane	4.324	93	45025	25.88	ug/L		93
56) 1,2-Dichloropropane	4.385	63	61891	24.56	ug/L		96
57) Bromodichloromethane	4.415	83	79737	25.58	ug/L		98
58) Methyl methacrylate	4.501	41	50512	23.01	ug/L		95
59) 1,4-Dioxane	4.537	88	27171	524.88	ug/L		96
61) cis-1,3-Dichloropropene	4.806	75	87322	22.58	ug/L		98
64) Toluene	4.964	91	267908	22.79	ug/L		98
65) 2-Nitropropane	5.104	41	64212	164.32	ug/L		99
66) 4-Methyl-2-pentanone	5.196	43	396658	110.38	ug/L		99
67) trans-1,3-Dichloropropene	5.220	75	82854	21.36	ug/L		98
68) Tetrachloroethene	5.214	166	53792	23.26	ug/L		98
69) Ethyl methacrylate	5.318	69	88663	21.96	ug/L		95
70) 1,1,2-Trichloroethane	5.330	83	57258	24.71	ug/L		96
71) Dibromochloromethane	5.452	129	53248	26.18	ug/L		99
72) 1,3-Dichloropropane	5.513	76	112692	24.08	ug/L		98
73) 1,2-Dibromoethane	5.616	107	62629	23.92	ug/L		97
74) 3,3-dimethyl-1-butanol	5.732	57	610365	1086.02	ug/L		99
75) 2-hexanone	5.757	43	412956	111.21	ug/L		91
76) 1-Chlorohexane	5.958	91	66134m	18.98	ug/L		
77) Ethylbenzene	5.994	91	280642	22.11	ug/L		97
78) Chlorobenzene	5.976	112	163163	23.10	ug/L		99
79) 1,1,1,2-Tetrachloroethane	6.025	131	49006	26.05	ug/L		97
80) m,p-Xylene	6.098	91	440536	45.43	ug/L		99
81) o-Xylene	6.409	91	213816	22.27	ug/L		99
82) Styrene	6.445	104	157826	22.86	ug/L		99
83) Bromoform	6.470	173	26717	25.61	ug/L		96
84) Isopropylbenzene	6.641	105	237971	22.80	ug/L		99
87) cis-1,4-Dichloro-2-butene	6.897	53	21565	20.62	ug/L	#	82
88) n-Propylbenzene	6.958	91	298812	21.86	ug/L		98
89) Bromobenzene	6.933	156	58335	21.71	ug/L		93
90) 1,1,2,2-Tetrachloroethane	7.000	83	103760	23.00	ug/L		99
91) 1,3,5-Trimethylbenzene	7.104	105	205474	22.92	ug/L		96
92) 2-Chlorotoluene	7.073	91	213052	22.05	ug/L		98
93) trans-1,4-Dichloro-2-B...	7.140	53	16858	18.30	ug/L	#	82
94) 1,2,3-Trichloropropane	7.110	110	32630	22.92	ug/L		97
95) Cyclohexanone	7.140	55	18254	97.46	ug/L		96
96) 4-Chlorotoluene	7.201	91	194365	21.51	ug/L		99
97) tert-Butylbenzene	7.354	91	117675	22.47	ug/L		97
99) 1,2,4-Trimethylbenzene	7.409	105	202888	23.10	ug/L		100
100) Pentachloroethane	7.372	167	25901	26.42	ug/L		89
101) sec-Butylbenzene	7.494	105	221658	21.94	ug/L		99
102) 4-Isopropyltoluene	7.598	119	182811	22.82	ug/L		97
103) 1,3-Dichlorobenzene	7.652	146	105994	21.90	ug/L		99
104) 1,2,3-Trimethylbenzene	7.738	105	207056	21.62	ug/L		97
105) 1,4-Dichlorobenzene	7.720	146	110683	22.38	ug/L		95
106) n-Butylbenzene	7.915	92	108976	22.22	ug/L		99
107) Benzyl Chloride	7.902	126	14630	16.15	ug/L	#	64
108) 1,2-Dichlorobenzene	8.030	146	100931	22.07	ug/L		99
109) 1,2-Dibromo-3-Chloropr...	8.597	75	22325	22.55	ug/L		95
110) Hexachlorobutadiene	9.055	225	18942	24.45	ug/L		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\093024\
Data File : 1O87908.D
Acq On : 30 Sep 2024 5:24 pm
Operator : jeniferw
Sample : FC19169-1MSD Inst : MSVOA12-O
Misc : MS57601,V1O4089,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 01 06:17:18 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Aug 15 12:51:02 2024
Response via : Initial Calibration

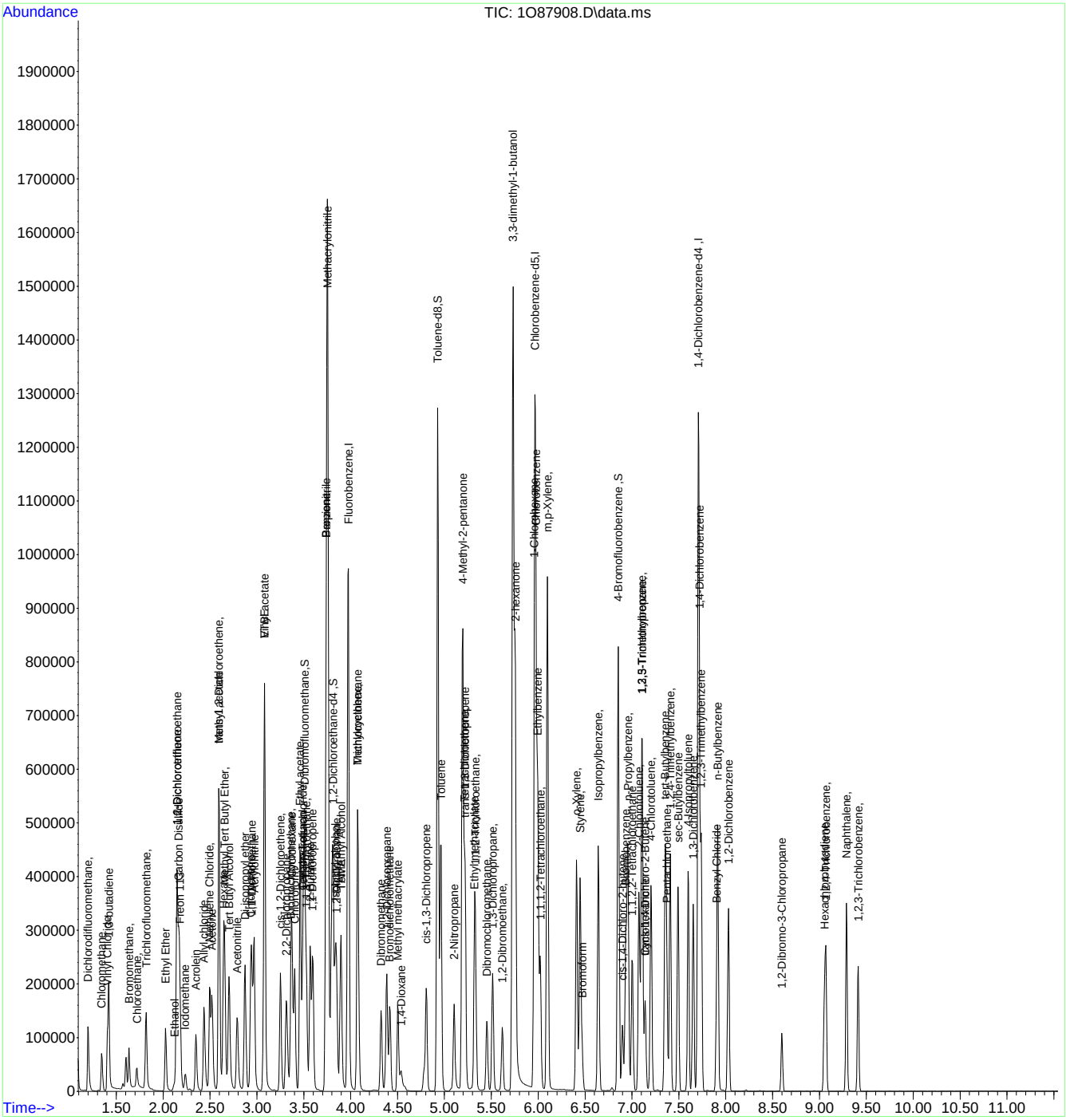
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
111) 1,2,4-Trichlorobenzene	9.067	180	48959	22.78	ug/L	96
112) Naphthalene	9.286	128	192785	20.46	ug/L	99
113) 1,2,3-Trichlorobenzene	9.414	180	47363	23.87	ug/L	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\093024\
Data File : 1O87908.D
Acq On : 30 Sep 2024 5:24 pm
Operator : jeniferw
Sample : FC19169-1MSD Inst : MSVOA12-O
Misc : MS57601,V1O4089,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 01 06:17:18 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Aug 15 12:51:02 2024
Response via : Initial Calibration



Manual Integration Approval Summary

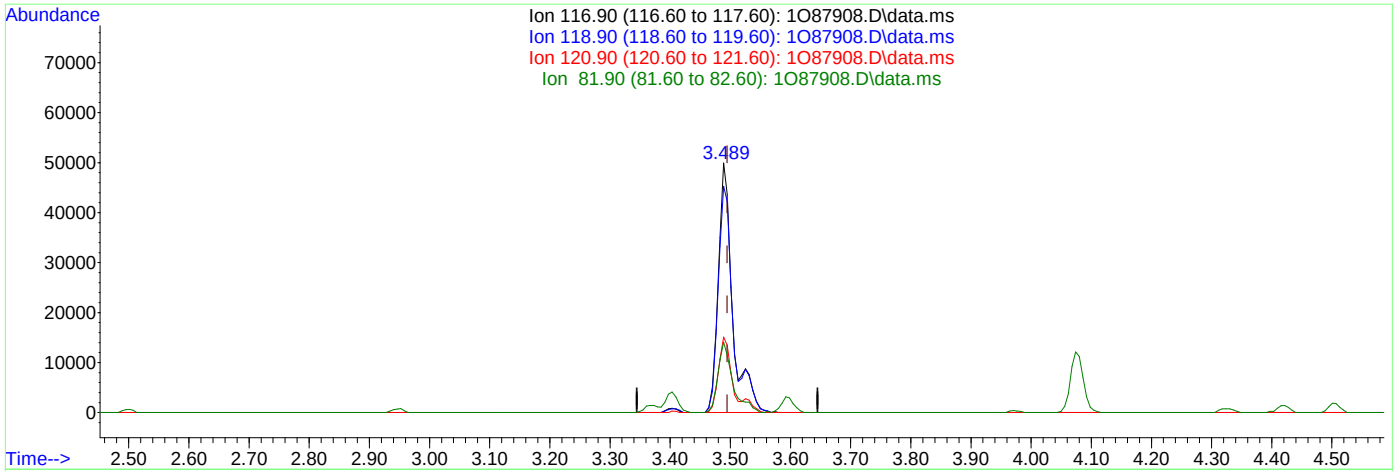
Sample Number: FC19169-1MSD
Lab FileID: 1O87908.D
Injection Time: 09/30/24 17:24
Method: SW846 8260D
Analyst approved: 10/01/24 06:22 Jenifer Willis
Supervisor approved: 10/01/24 08:55 Karen Watson

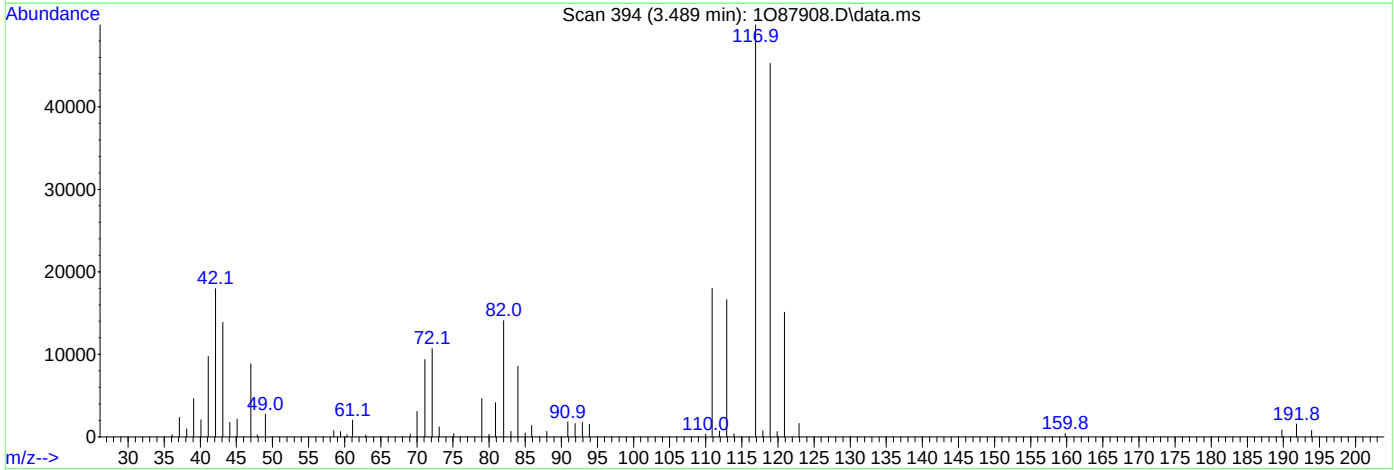
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.49	Overlapping peak
Isobutyl Alcohol	78-83-1		3.84	Poorly defined baseline
1-Chlorohexane	544-10-5		5.96	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\093024\
Data File : 1O87908.D
Acq On : 30 Sep 2024 5:24 pm
Operator : jeniferw
Sample : FC19169-1MSD Inst : MSVOA12-O
Misc : MS57601,V1O4089,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 01 06:01:51 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Aug 15 12:51:02 2024
Response via : Initial Calibration





TIC: 1O87908.D\data.ms

(40) Carbon Tetrachloride ( )

3.489min (-0.006) 33.15ug/L

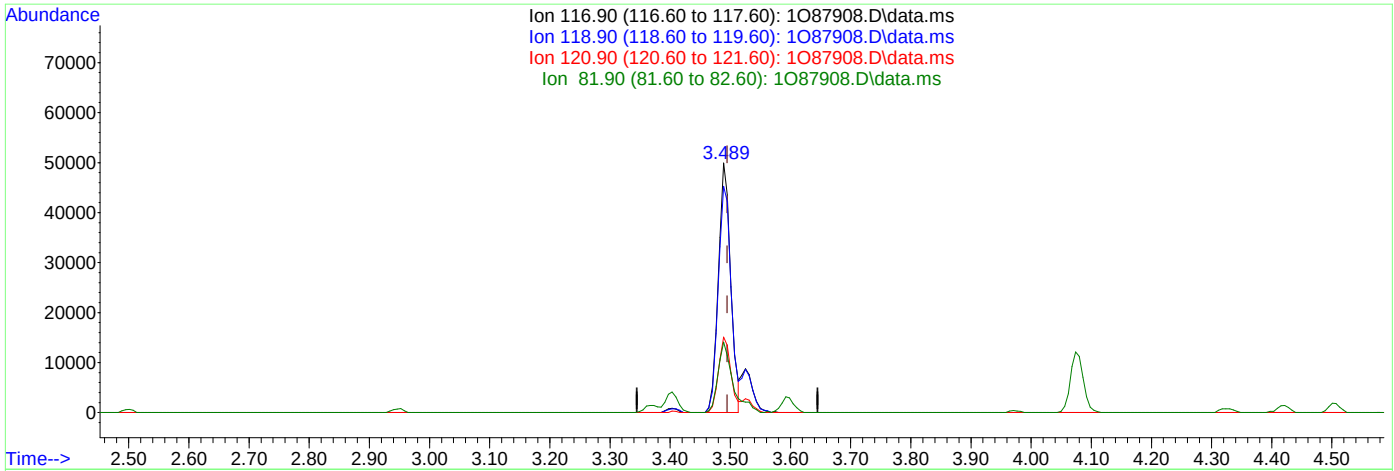
response 82861

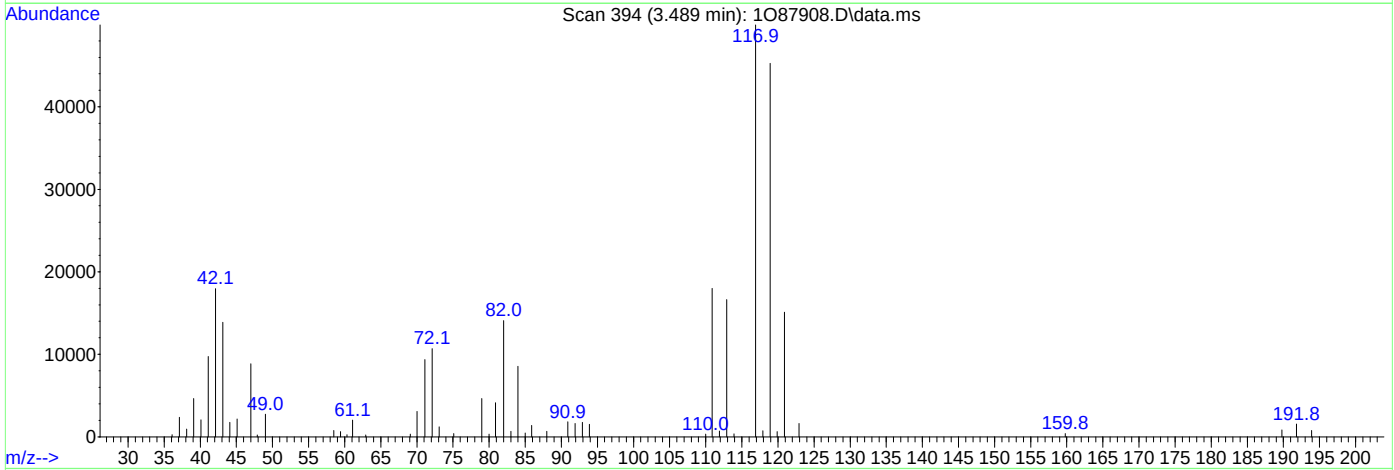
Ion	Exp%	Act%
116.90	100	100
118.90	99.70	90.65
120.90	31.50	30.22
81.90	28.20	28.20

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\093024\
Data File : 1O87908.D
Acq On : 30 Sep 2024 5:24 pm
Operator : jeniferw
Sample : FC19169-1MSD Inst : MSVOA12-O
Misc : MS57601,V1O4089,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 01 06:01:51 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Aug 15 12:51:02 2024
Response via : Initial Calibration





TIC: 1O87908.D\data.ms

(40) Carbon Tetrachloride ( )

3.489min (-0.006) 28.41ug/L m

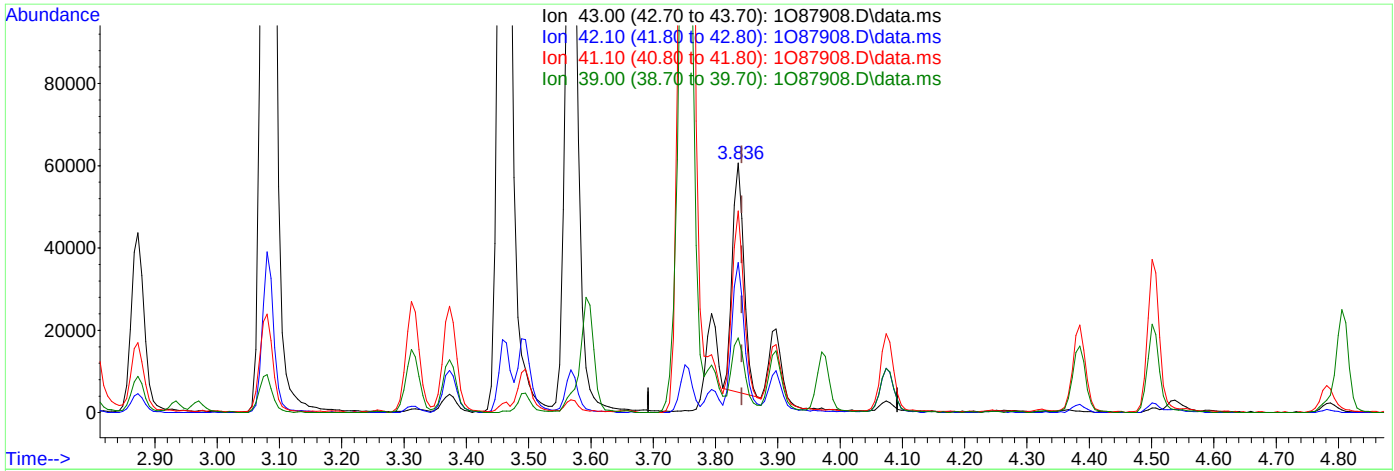
response 71029

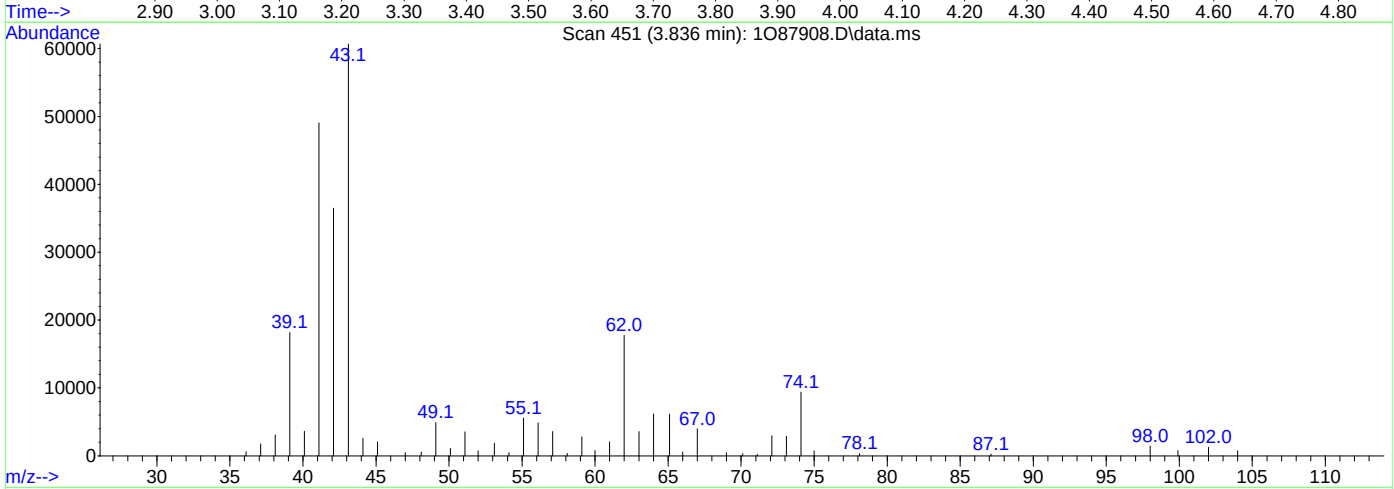
Ion	Exp%	Act%
116.90	100	100
118.90	99.70	90.65
120.90	31.50	30.22
81.90	28.20	28.20

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\093024\
Data File : 1O87908.D
Acq On : 30 Sep 2024 5:24 pm
Operator : jeniferw
Sample : FC19169-1MSD Inst : MSVOA12-O
Misc : MS57601,V1O4089,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 01 06:01:51 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Aug 15 12:51:02 2024
Response via : Initial Calibration





TIC: 1O87908.D\data.ms

(49) Isobutyl alcohol

3.836min (-0.006) 388.58ug/L

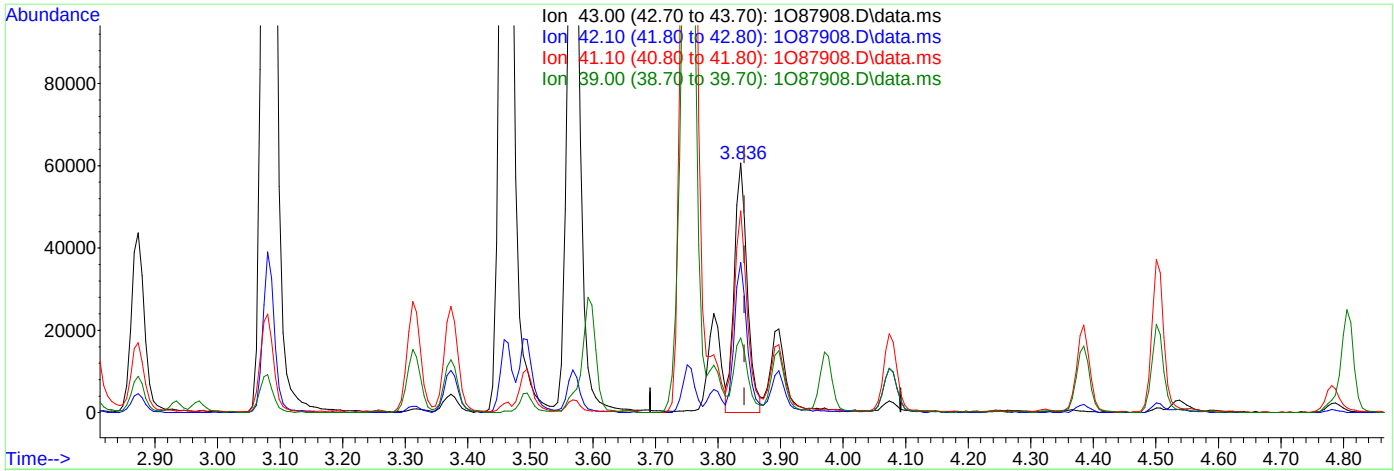
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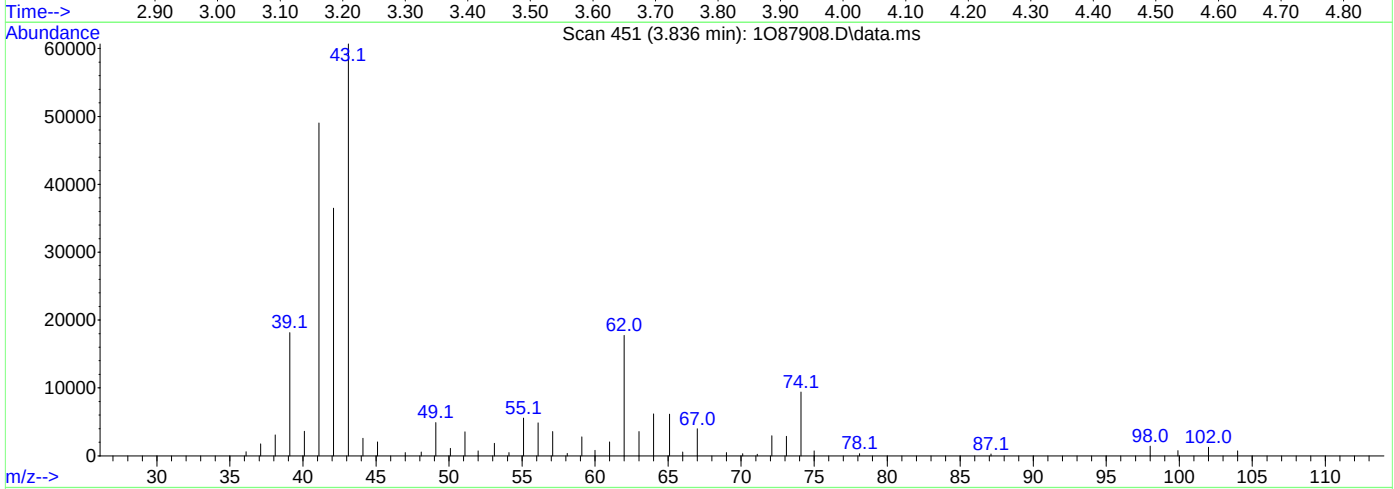
Ion	Exp%	Act%
43.00	100	100
42.10	60.40	60.69
41.10	76.50	79.99
39.00	27.90	28.66

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\093024\
Data File : 1O87908.D
Acq On : 30 Sep 2024 5:24 pm
Operator : jeniferw
Sample : FC19169-1MSD Inst : MSVOA12-O
Misc : MS57601,V1O4089,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 01 06:01:51 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Aug 15 12:51:02 2024
Response via : Initial Calibration





TIC: 1O87908.D\data.ms

(49) Isobutyl alcohol

3.836min (-0.006) 475.22ug/L m

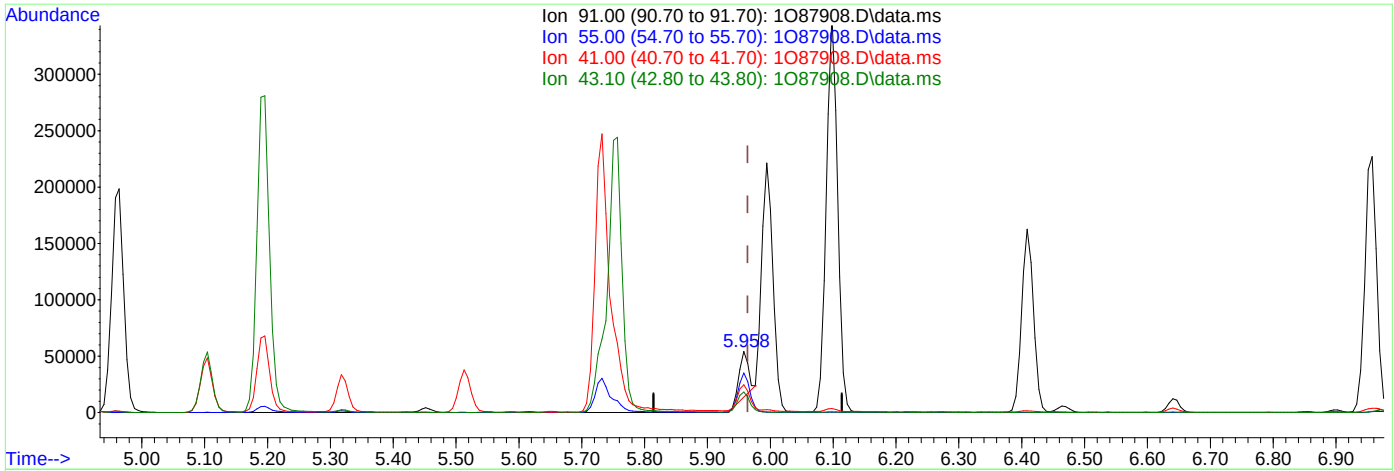
response 87629

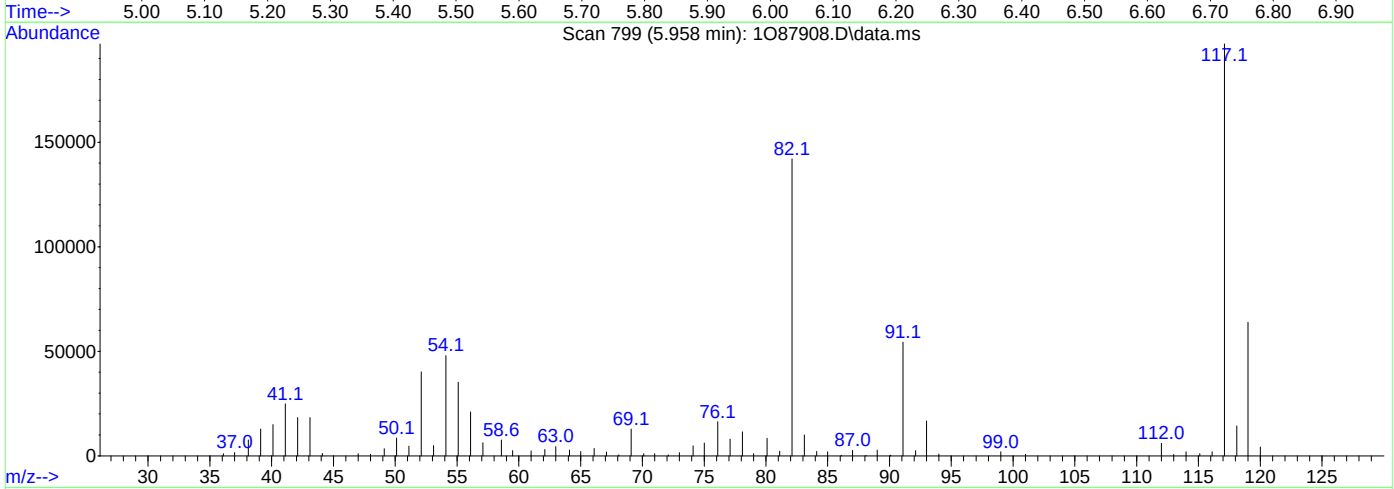
Ion	Exp%	Act%
43.00	100	100
42.10	60.40	60.13
41.10	76.50	80.78
39.00	27.90	29.88

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\093024\
Data File : 1O87908.D
Acq On : 30 Sep 2024 5:24 pm
Operator : jeniferw
Sample : FC19169-1MSD Inst : MSVOA12-O
Misc : MS57601,V1O4089,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 01 06:01:51 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Aug 15 12:51:02 2024
Response via : Initial Calibration





TIC: 1O87908.D\data.ms

(76) 1-Chlorohexane

5.958min (-0.006) 12.55ug/L

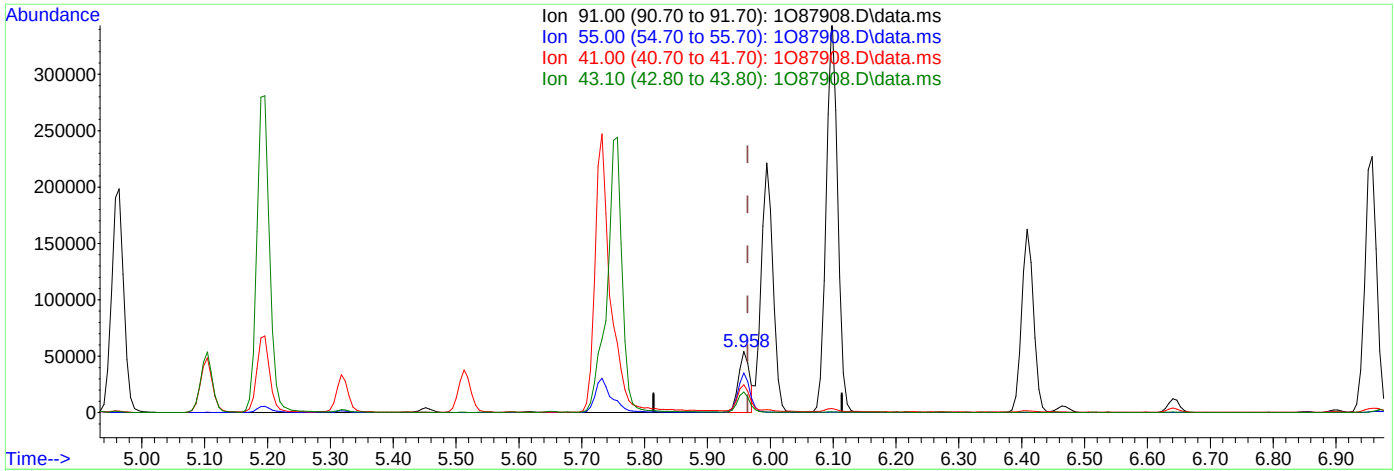
response 43727

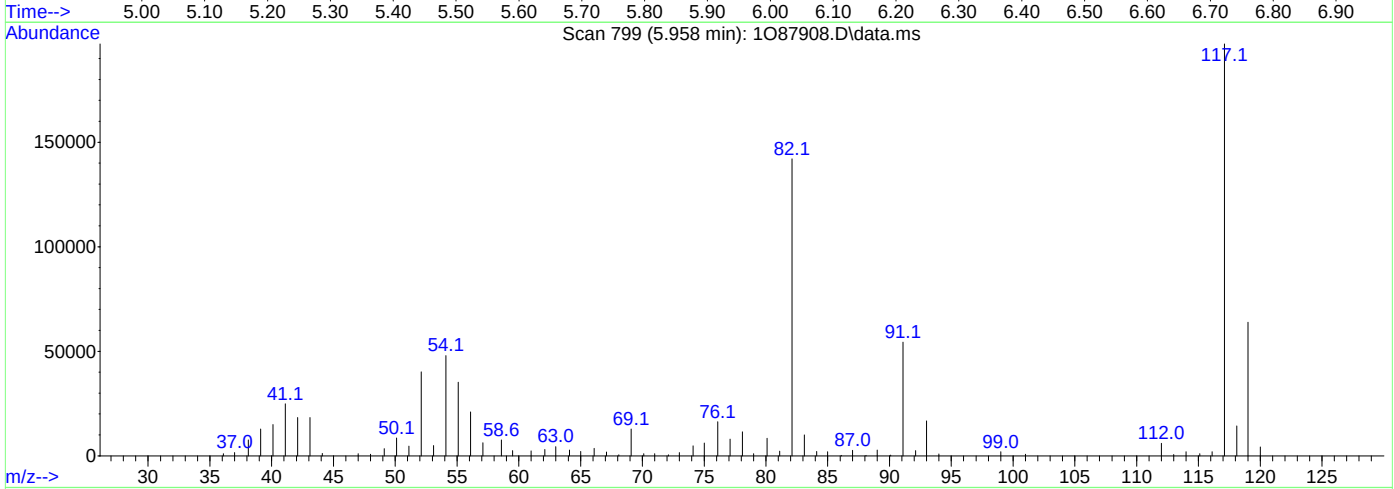
Ion	Exp%	Act%
91.00	100	100
55.00	61.00	64.13
41.00	43.40	42.76
43.10	34.90	32.66

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\093024\
Data File : 1O87908.D
Acq On : 30 Sep 2024 5:24 pm
Operator : jeniferw
Sample : FC19169-1MSD Inst : MSVOA12-O
Misc : MS57601,V1O4089,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 01 06:01:51 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Aug 15 12:51:02 2024
Response via : Initial Calibration





TIC: 1O87908.D\data.ms

(76) 1-Chlorohexane

5.958min (-0.006) 18.98ug/L m

response 66134

Ion	Exp%	Act%
91.00	100	100
55.00	61.00	64.89
41.00	43.40	45.70
43.10	34.90	33.72

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
10/04/24 12:04

Quantitation Report (QT Reviewed)

Data Path : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\
Data File : 1A59619.d
Acq On : 1 Oct 2024 5:36 pm
Operator : jeniferw
Sample : FC19116-7MS Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Oct 02 01:31:49 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\method\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.397	96	244573	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.352	117	172862	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.091	152	90154	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	2.950	113	69345	49.71	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.42%			
49) 1,2-Dichloroethane-d4	3.228	65	80140	52.23	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 104.46%			
63) Toluene-d8	4.336	98	238489	49.00	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 98.00%			
86) 4-Bromofluorobenzene	6.229	174	74014	49.89	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.78%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.011	85	37856	27.8800	ug/L	99
3) Chloromethane	1.119	50	33664	27.0983	ug/L	96
4) 1,3-butadiene	1.180	39	30964	27.6603	ug/L	94
5) Vinyl Chloride	1.165	62	34664	25.3316	ug/L	98
6) Bromomethane	1.342	94	18186	24.7317	ug/L	97
7) Chloroethane	1.411	64	20206	21.6946	ug/L	98
8) Trichlorofluoromethane	1.488	101	47237	22.6709	ug/L	99
9) Ethyl Ether	1.650	59	19633	22.6782	ug/L	96
10) Ethanol	1.696	45	3119m	472.8775	ug/L	
11) 1,2-Dichlorotrifluoroe...	1.734	67	36891	25.6553	ug/L	90
12) 1,1-Dichloroethene	1.750	61	50967	29.5804	ug/L	90
13) Freon 113	1.781	101	29686	25.8971	ug/L	99
14) Carbon Disulfide	1.773	76	83529	24.0619	ug/L	94
15) Iodomethane	1.827	142	23304	30.6947	ug/L	100
16) Acrolein	1.896	56	13771	110.4393	ug/L	98
17) Allyl chloride	1.988	41	44813	28.3862	ug/L	98
18) Methylene Chloride	2.035	49	43028	27.2430	ug/L	90
19) Acetone	2.042	43	23351	109.0006	ug/L	99
20) Methyl acetate	2.112	43	63132	107.5170	ug/L	95
21) trans-1,2-Dichloroethene	2.127	61	48142	28.1319	ug/L	91
22) Hexane	2.189	56	26927	25.2265	ug/L #	89
23) Methyl Tert Butyl Ether	2.181	73	60682	23.1154	ug/L #	67
24) Acetonitrile	2.266	41	21479	247.2161	ug/L	93
25) Tert Butyl Alcohol	2.196	59	14551	251.2877	ug/L #	1
26) Di-isopropyl ether	2.381	45	85328	24.6929	ug/L	97
27) Chloroprene	2.435	53	87711	26.8138	ug/L	98
28) 1,1-Dichloroethane	2.435	63	59823	26.9919	ug/L	99
29) Acrylonitrile	2.427	52	43349	126.5335	ug/L	92
30) ETBE	2.573	59	77736	24.3648	ug/L	99
31) Vinyl acetate	2.550	43	252845	131.1809	ug/L	99
32) cis-1,2-Dichloroethene	2.712	96	33823	25.9986	ug/L	98
33) 2,2-Dichloropropane	2.773	77	45229	27.9617	ug/L	97
34) Bromochloromethane	2.812	128	14605	22.6429	ug/L #	77
35) Cyclohexane	2.858	56	52863	25.7530	ug/L	99
36) Chloroform	2.850	83	61186	26.6667	ug/L	97
37) Ethyl acetate	2.904	43	84328	109.9156	ug/L	99
38) Tetrahydrofuran	2.943	42	4427	19.1051	ug/L	92
40) Carbon Tetrachloride	2.958	117	47830m	27.7345	ug/L	
41) 1,1,1-Trichloroethane	2.981	97	54220	28.8204	ug/L	96
42) 2-Butanone	2.997	43	34748	105.3279	ug/L	99
43) 1,1-Dichloropropene	3.051	75	45225	30.1536	ug/L	96
44) tert-Butyl formate	3.089	59	2350	4.4028	ug/L	91

Quantitation Report (QT Reviewed)

Data Path : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\
Data File : 1A59619.d
Acq On : 1 Oct 2024 5:36 pm
Operator : jeniferw
Sample : FC19116-7MS Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Oct 02 01:31:49 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\method\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Propionitrile	3.135	54	26566	258.0440	ug/L		98
46) Methacrylonitrile	3.158	41	130472	257.9983	ug/L		99
47) Benzene	3.174	78	128042	26.7489	ug/L		99
48) TAME	3.243	73	56337	21.8506	ug/L		93
50) 1,2-Dichloroethane	3.266	62	43714	27.1306	ug/L		97
51) Isobutyl Alcohol	3.243	43	30800	467.5752	ug/L		95
52) Tert Amyl Alcohol	3.312	59	7774	193.1792	ug/L		93
53) Trichloroethene	3.505	95	35616	26.4520	ug/L		95
54) Methylcyclohexane	3.528	83	49861	24.8815	ug/L		97
55) Dibromomethane	3.728	93	17879	24.0720	ug/L		98
56) 1,2-Dichloropropane	3.789	63	33271	26.3718	ug/L		96
57) Bromodichloromethane	3.820	83	42496	26.7403	ug/L		97
58) Methyl methacrylate	3.913	41	17375	26.1490	ug/L		93
59) 1,4-Dioxane	3.928	88	2337	436.8231	ug/L		87
61) cis-1,3-Dichloropropene	4.205	75	43137	24.5324	ug/L		95
64) Toluene	4.367	91	131417	25.2246	ug/L		99
65) 2-Nitropropane	4.459	41	24562	109.3761	ug/L		99
66) 4-Methyl-2-pentanone	4.574	43	88862	109.9514	ug/L		98
67) trans-1,3-Dichloropropene	4.605	75	35784	20.9593	ug/L		95
68) Tetrachloroethene	4.628	166	35321	24.0262	ug/L		97
69) Ethyl methacrylate	4.721	69	25819	22.6362	ug/L		91
70) 1,1,2-Trichloroethane	4.713	83	19193	24.3021	ug/L		95
71) Dibromochloromethane	4.836	129	27881	25.9975	ug/L		99
72) 1,3-Dichloropropane	4.890	76	39373	24.8801	ug/L		92
73) 1,2-Dibromoethane	4.990	107	22098	24.1709	ug/L		97
74) 3,3-Dimethyl-1-Butanol	5.121	57	66133	1080.6985	ug/L		97
75) 2-hexanone	5.136	43	70454	106.6405	ug/L		89
76) 1-Chlorohexane	5.359	91	43618m	24.2395	ug/L		
77) Ethylbenzene	5.390	91	140312m	24.0511	ug/L		
78) Chlorobenzene	5.359	112	80902	24.2051	ug/L		97
79) 1,1,1,2-Tetrachloroethane	5.406	131	28598	26.9150	ug/L		97
80) m,p-Xylene	5.498	91	222803	50.1982	ug/L		99
81) o-Xylene	5.798	91	109500	24.4400	ug/L		98
82) Styrene	5.829	104	78254	24.5409	ug/L		96
83) Bromoform	5.837	173	14281	23.7704	ug/L		94
84) Isopropylbenzene	6.037	105	129596	25.0596	ug/L		98
87) cis-1,4-Dichloro-2-butene	6.260	53	7192	26.2956	ug/L		98
88) n-Propylbenzene	6.345	91	161870	24.7619	ug/L		97
89) Bromobenzene	6.298	156	32077	23.9102	ug/L		87
90) 1,1,2,2-Tetrachloroethane	6.368	83	22587	23.6327	ug/L		98
91) 1,3,5-Trimethylbenzene	6.499	105	107218	26.2315	ug/L		95
92) 2-Chlorotoluene	6.452	91	88515	24.4513	ug/L		98
93) trans-1,4-Dichloro-2-B...	6.499	53	9360	25.2435	ug/L		96
94) 1,2,3-Trichloropropane	6.460	110	6413	23.5165	ug/L		89
95) Cyclohexanone	6.475	55	2226	109.0006	ug/L		93
96) 4-Chlorotoluene	6.575	91	93950	25.2240	ug/L		98
97) tert-Butylbenzene	6.745	91	63915	25.9349	ug/L		99
98) 1,2,4-Trimethylbenzene	6.799	105	101999	26.4218	ug/L		96
99) Pentachloroethane	6.745	167	18363	30.5541	ug/L	#	71
100) sec-Butylbenzene	6.883	105	128072	24.4555	ug/L		98
101) 4-Isopropyltoluene	7.006	119	107256	25.3814	ug/L		98
102) 1,3-Dichlorobenzene	7.030	146	56003	23.6705	ug/L		96
103) 1,2,3-Trimethylbenzene	7.137	105	93509	24.0421	ug/L		98
104) 1,4-Dichlorobenzene	7.099	146	56551	24.0691	ug/L		94
105) n-Butylbenzene	7.337	92	52543	24.7037	ug/L		97
106) Benzyl Chloride	7.291	126	5449	19.7624	ug/L		96
107) 1,2-Dichlorobenzene	7.422	146	47152	22.9816	ug/L		96
108) 1,2-Dibromo-3-Chloropr...	7.999	75	3013	24.5491	ug/L		81

Quantitation Report (QT Reviewed)

Data Path : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\
Data File : 1A59619.d
Acq On : 1 Oct 2024 5:36 pm
Operator : jeniferw
Sample : FC19116-7MS Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Oct 02 01:31:49 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\method\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration

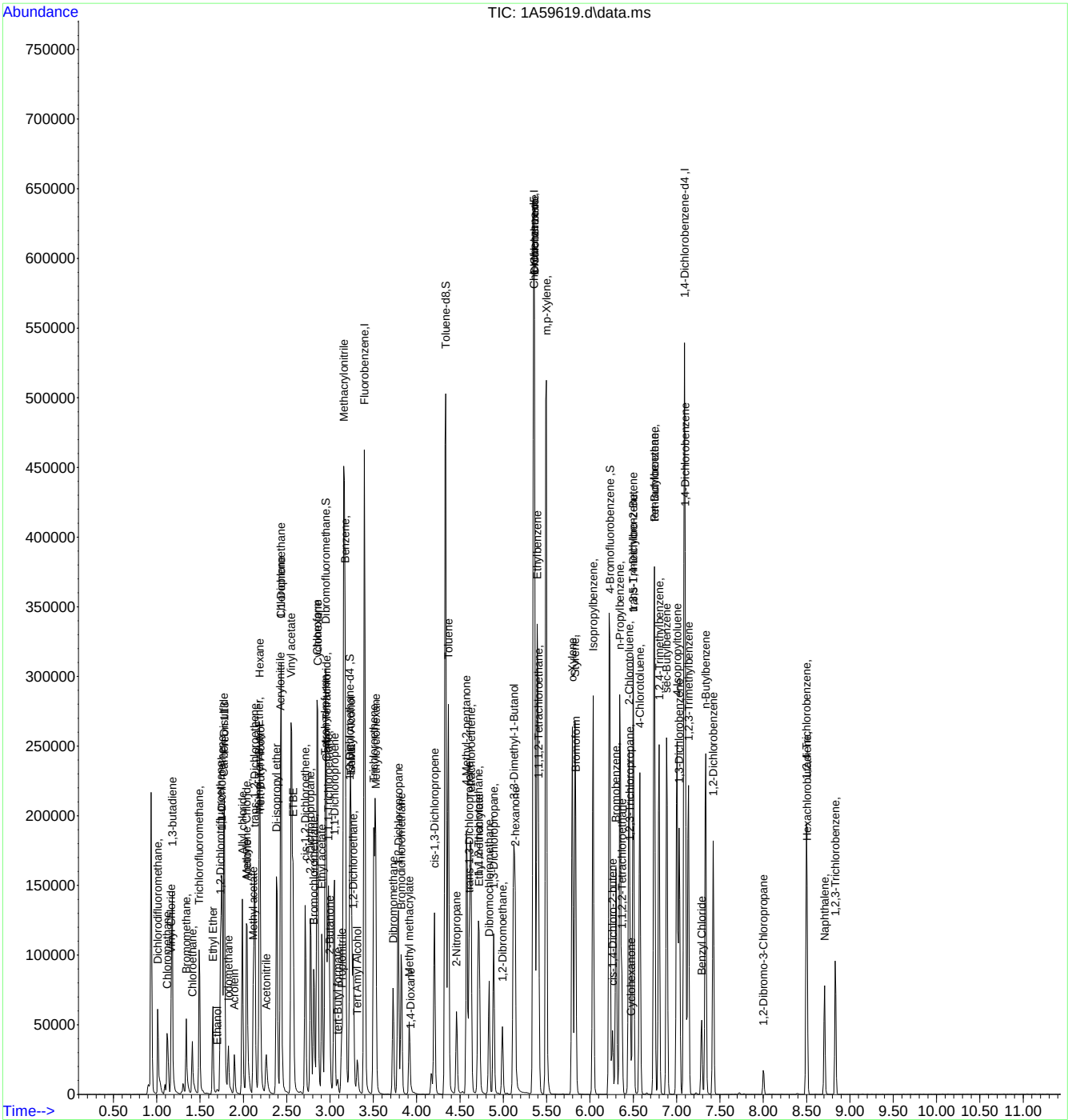
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
109) Hexachlorobutadiene	8.507	225	13220	24.0219	ug/L	93
110) 1,2,4-Trichlorobenzene	8.500	180	23588	24.1183	ug/L	93
111) Naphthalene	8.707	128	38183	22.8147	ug/L	99
112) 1,2,3-Trichlorobenzene	8.831	180	18474	24.2917	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\
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Acq On : 1 Oct 2024 5:36 pm
Operator : jeniferw
Sample : FC19116-7MS Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Oct 02 01:31:49 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\method\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration



Manual Integration Approval Summary

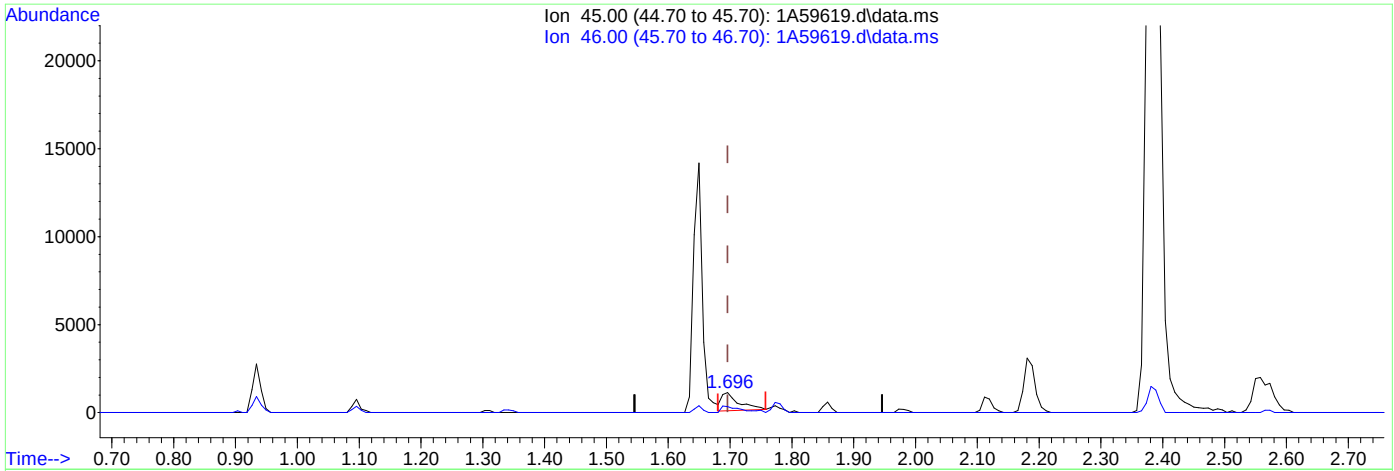
Sample Number: FC19116-7MS
Lab FileID: 1A59619.D
Injection Time: 10/01/24 17:36
Method: SW846 8260D
Analyst approved: 10/01/24 21:57 Jhenelle Bondal
Supervisor approved: 10/04/24 12:04 Karen Watson

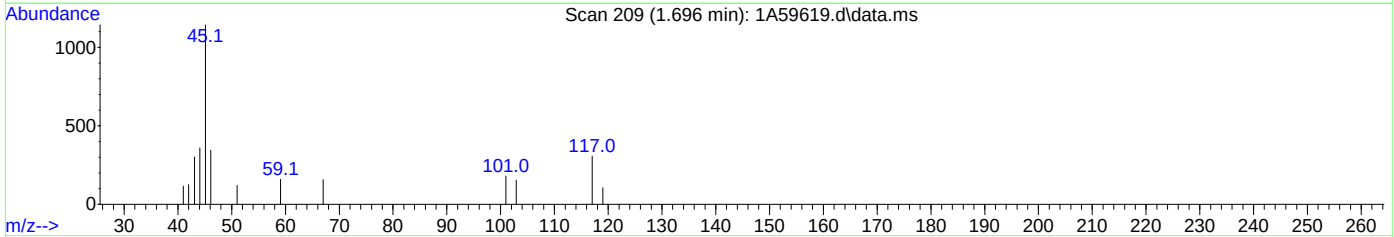
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		1.70	Poorly defined baseline
Carbon Tetrachloride	56-23-5		2.96	Overlapping peak
1-Chlorohexane	544-10-5		5.36	Overlapping peak
Ethylbenzene	100-41-4		5.39	Overlapping peak

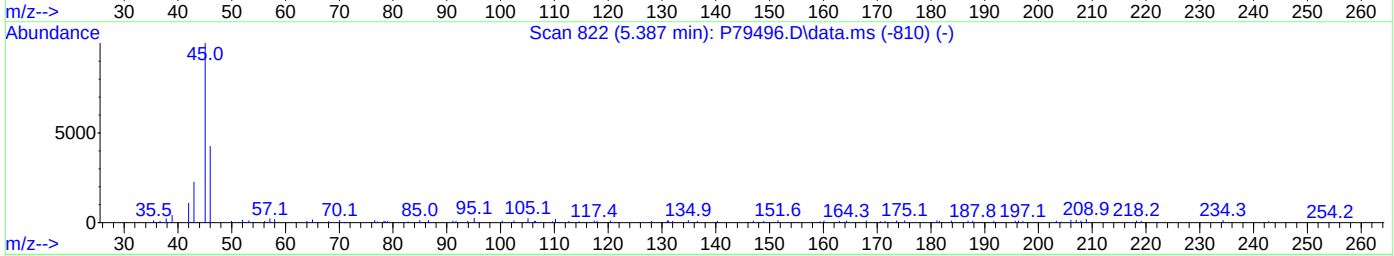
Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\
Data File : 1A59619.d
Acq On : 1 Oct 2024 5:36 pm
Operator : jeniferw
Sample : FC19116-7MS Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Oct 02 01:26:49 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\method\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration







TIC: 1A59619.d\data.ms

(10) Ethanol

1.696min (-0.000) 305.87ug/L

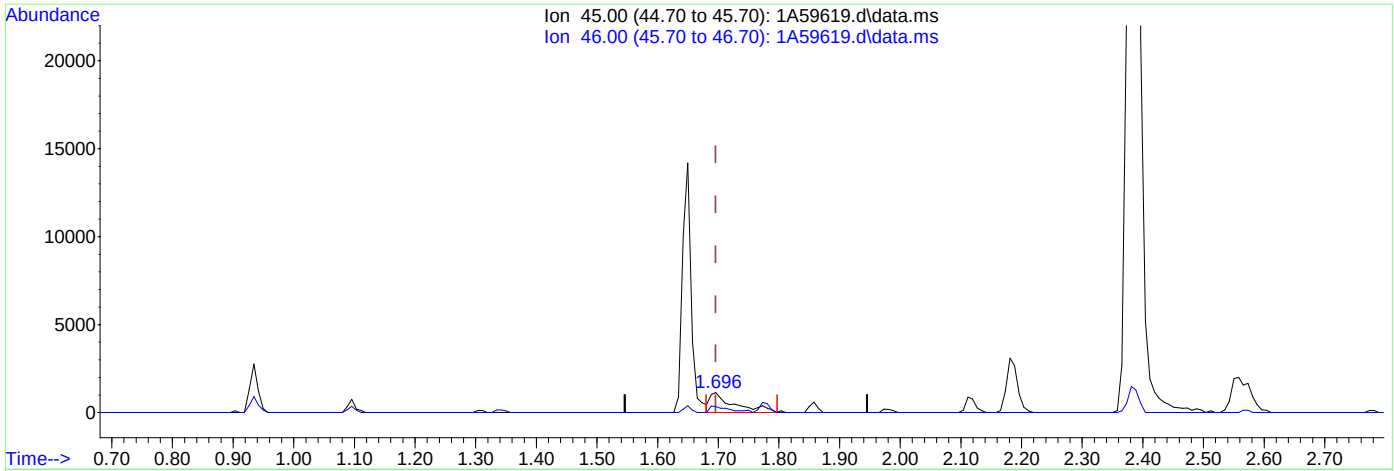
response 2012

Ion	Exp%	Act%
45.00	100	100
46.00	35.50	35.73
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\
Data File : 1A59619.d
Acq On : 1 Oct 2024 5:36 pm
Operator : jeniferw
Sample : FC19116-7MS Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Oct 02 01:26:49 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\method\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration



TIC: 1A59619.d\data.ms

(10) Ethanol

1.696min (-0.000) 472.88ug/L m

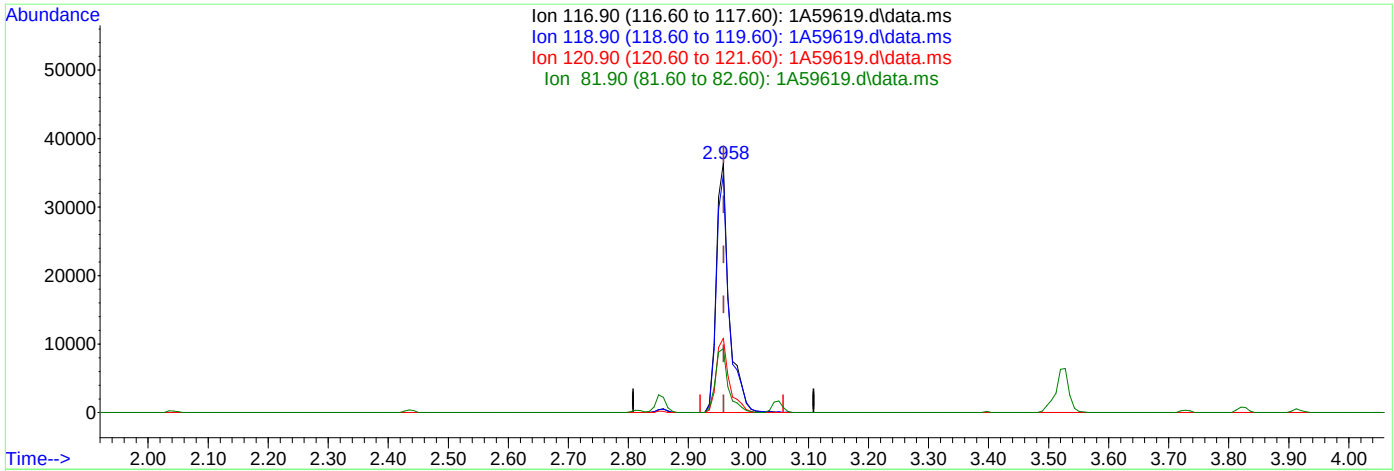
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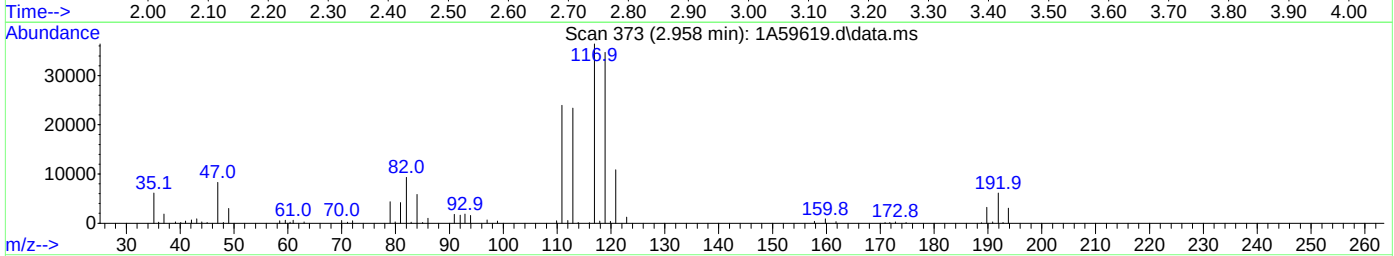
Ion	Exp%	Act%
45.00	100	100
46.00	35.50	30.01
0.00	0.00	0.00
0.00	0.00	0.00

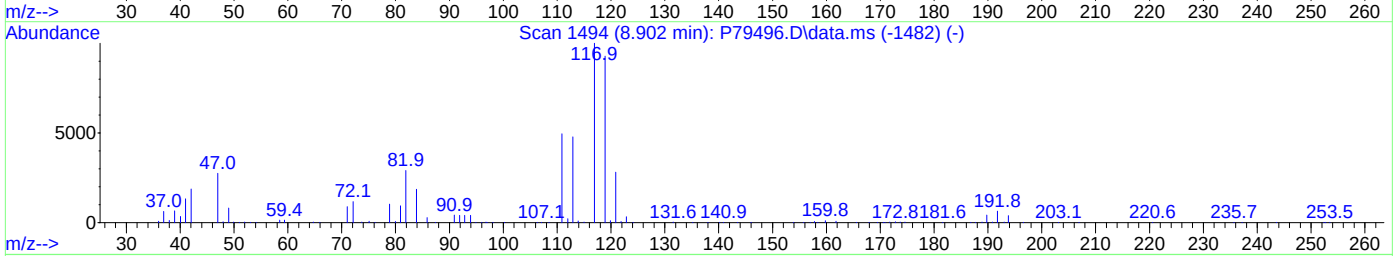
Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\
Data File : 1A59619.d
Acq On : 1 Oct 2024 5:36 pm
Operator : jeniferw
Sample : FC19116-7MS Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Oct 02 01:26:49 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\method\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration







TIC: 1A59619.d\data.ms

(40) Carbon Tetrachloride ( )

2.958min (-0.000) 31.36ug/L

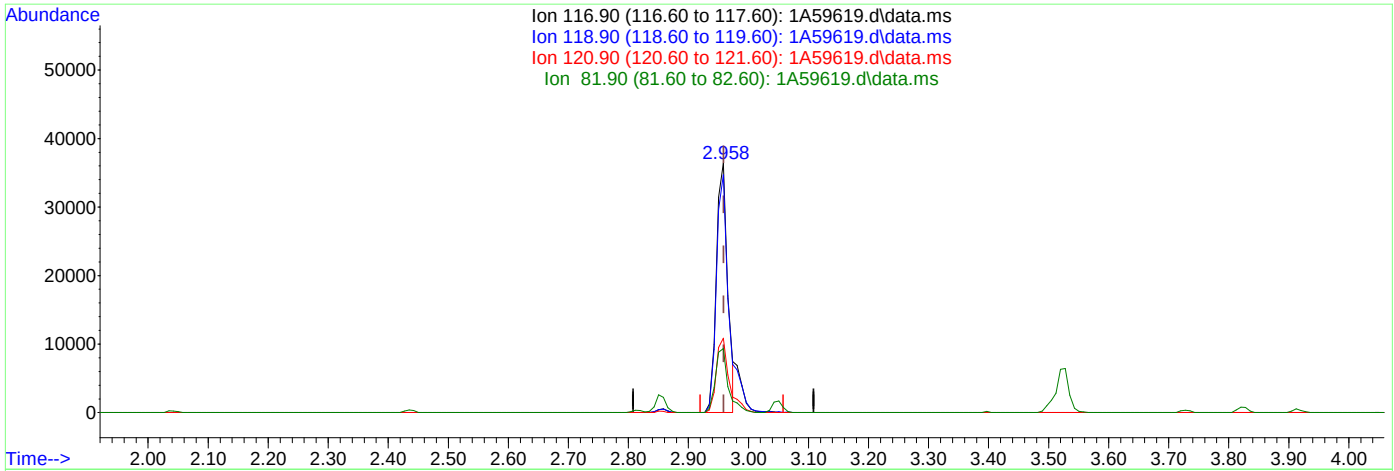
response 54076

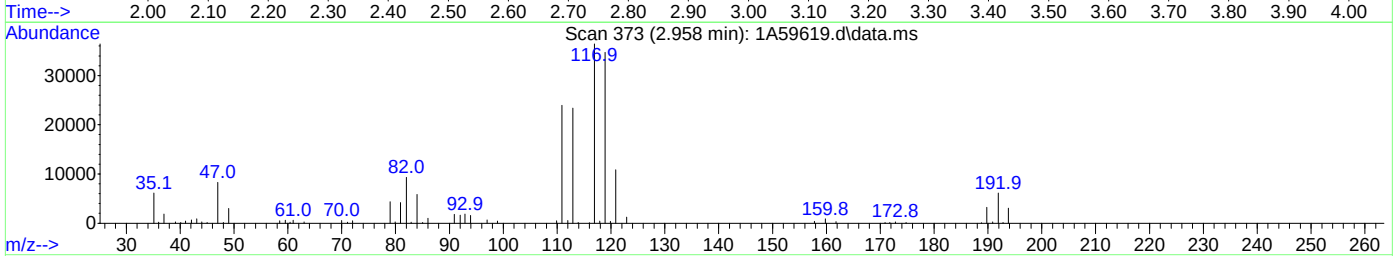
Ion	Exp%	Act%
116.90	100	100
118.90	97.80	95.24
120.90	30.90	29.78
81.90	25.10	25.59

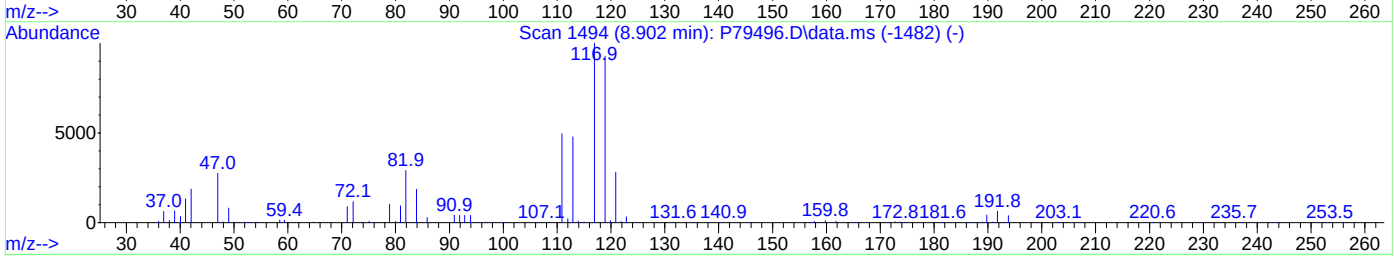
Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\
Data File : 1A59619.d
Acq On : 1 Oct 2024 5:36 pm
Operator : jeniferw
Sample : FC19116-7MS Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Oct 02 01:26:49 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\method\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration







TIC: 1A59619.d\data.ms

(40) Carbon Tetrachloride ( )

2.958min (-0.000) 27.73ug/L m

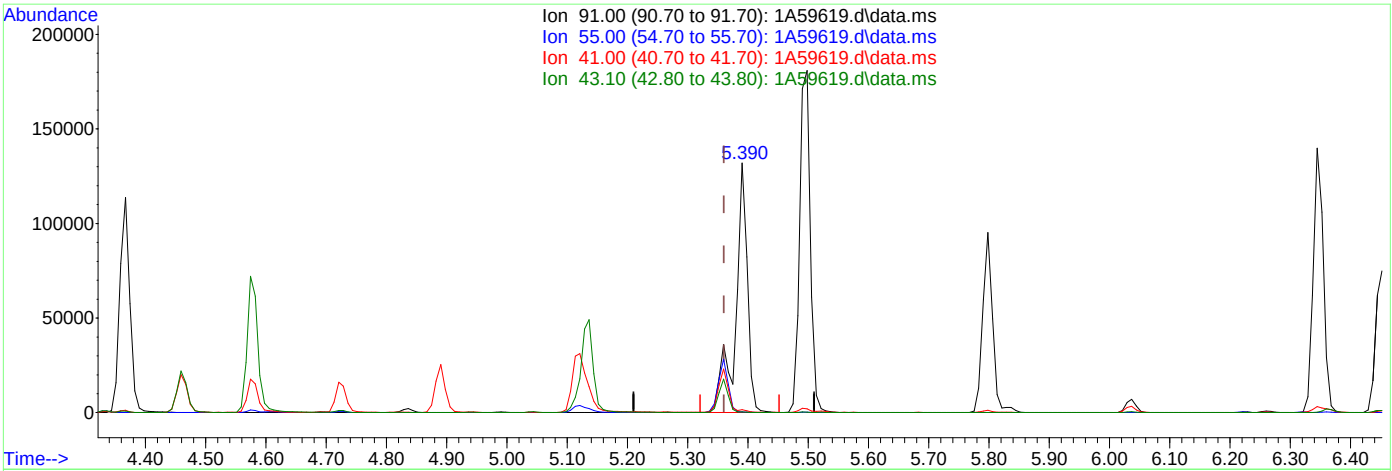
response 47830

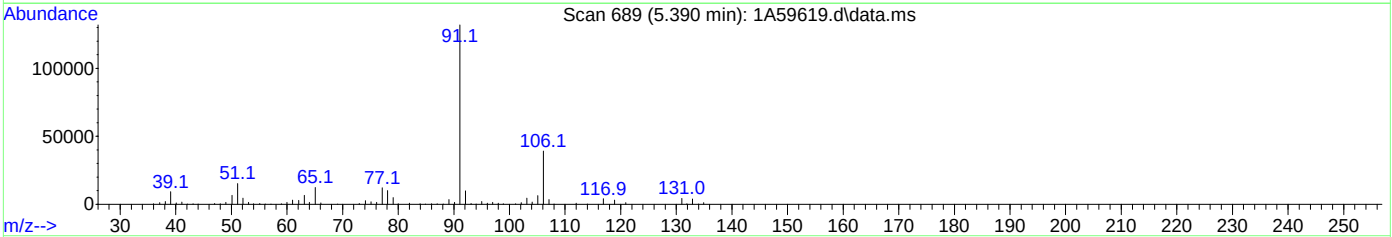
Ion	Exp%	Act%
116.90	100	100
118.90	97.80	95.24
120.90	30.90	29.78
81.90	25.10	25.59

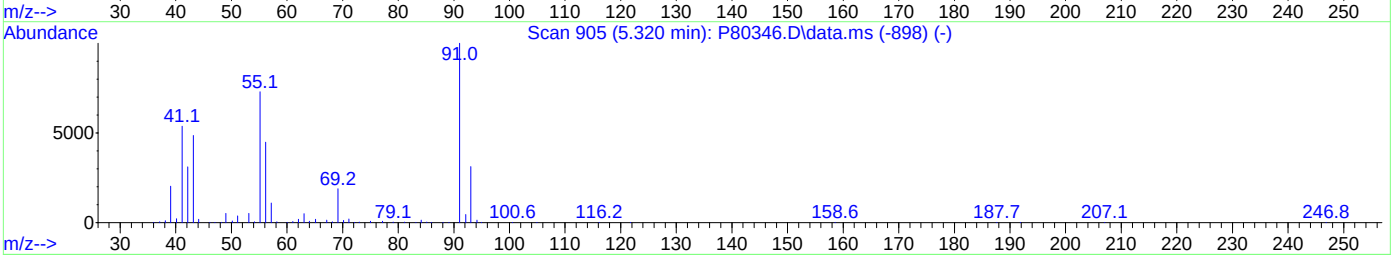
Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\
Data File : 1A59619.d
Acq On : 1 Oct 2024 5:36 pm
Operator : jeniferw
Sample : FC19116-7MS Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Oct 02 01:26:49 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\method\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration







TIC: 1A59619.d\data.ms

(76) 1-Chlorohexane

5.390min (+0.030) 102.21ug/L

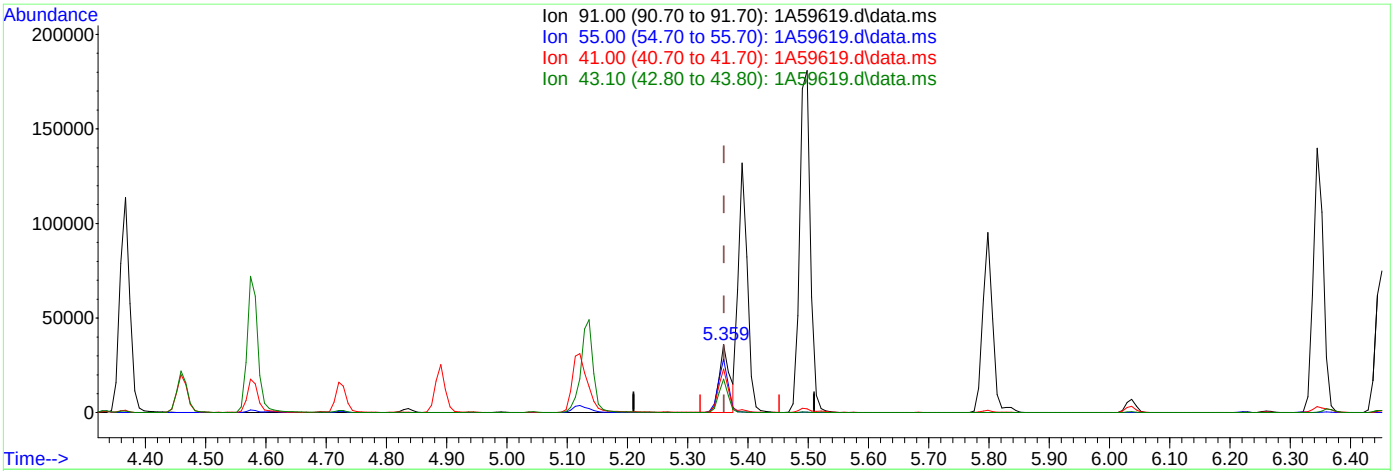
response 183915

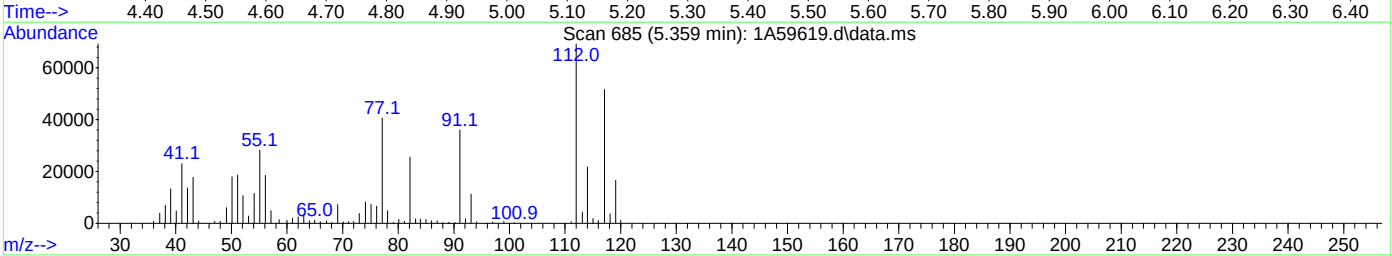
Ion	Exp%	Act%
91.00	100	100
55.00	69.60	0.33#
41.00	56.40	1.18#
43.10	42.00	0.26#

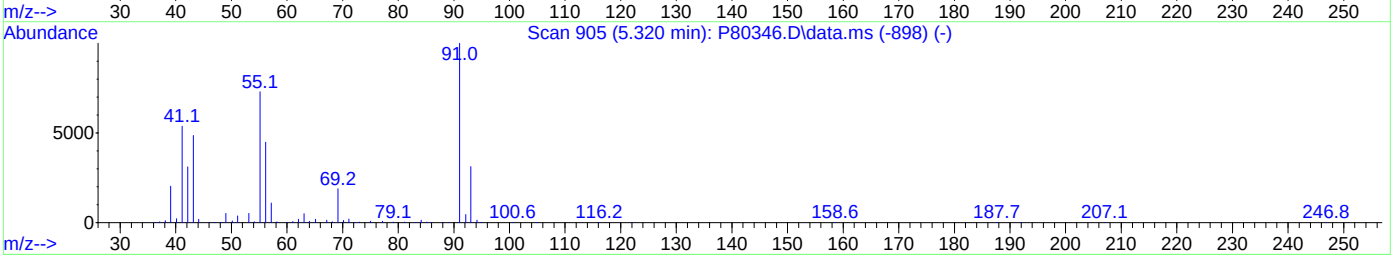
Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\
Data File : 1A59619.d
Acq On : 1 Oct 2024 5:36 pm
Operator : jeniferw
Sample : FC19116-7MS Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Oct 02 01:26:49 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\method\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration







TIC: 1A59619.d\data.ms

(76) 1-Chlorohexane

5.359min (-0.001) 24.24ug/L m

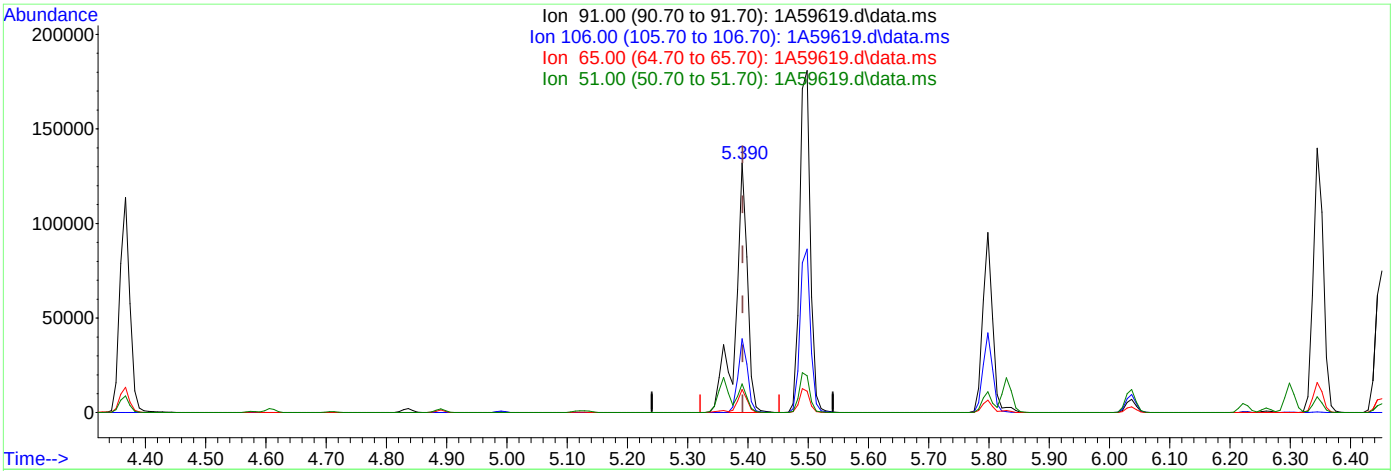
response 43618

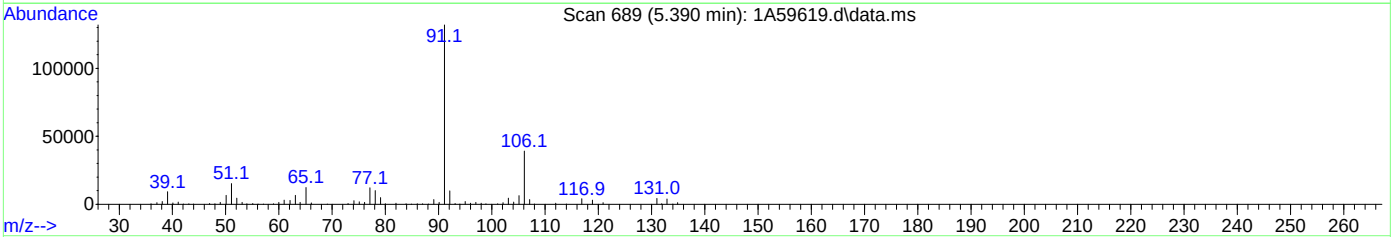
Ion	Exp%	Act%
91.00	100	100
55.00	69.60	78.36
41.00	56.40	63.88
43.10	42.00	49.04

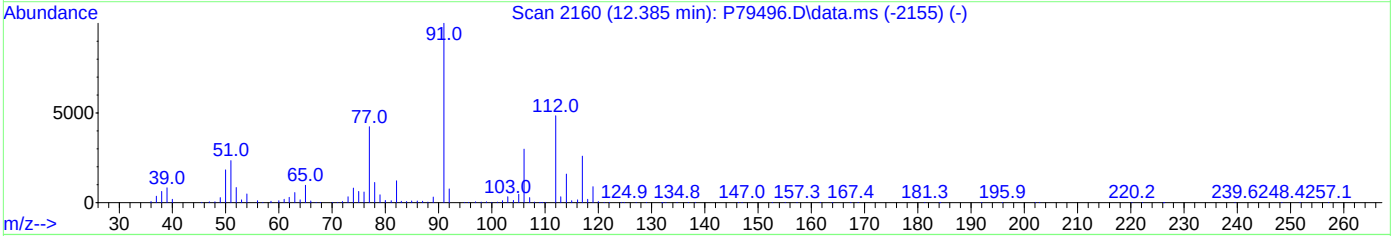
Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\
Data File : 1A59619.d
Acq On : 1 Oct 2024 5:36 pm
Operator : jeniferw
Sample : FC19116-7MS Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Oct 02 01:26:49 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\method\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration







TIC: 1A59619.d\data.ms

(77) Ethylbenzene

5.390min (-0.001) 31.53ug/L

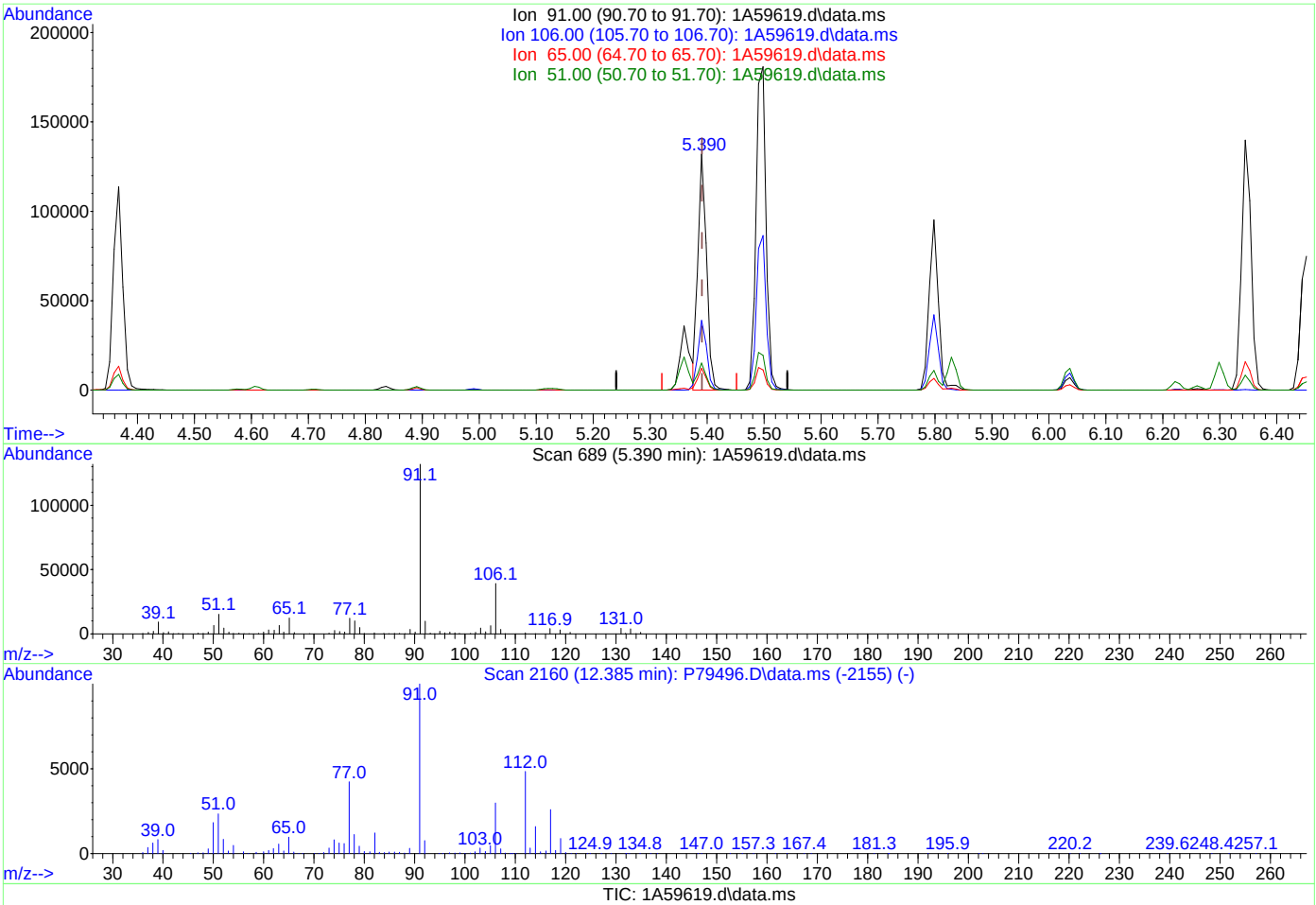
response 183915

Ion	Exp%	Act%
91.00	100	100
106.00	30.40	29.55
65.00	8.50	9.30
51.00	10.30	11.47

Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\
Data File : 1A59619.d
Acq On : 1 Oct 2024 5:36 pm
Operator : jeniferw
Sample : FC19116-7MS Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Oct 02 01:26:49 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\method\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration



TIC: 1A59619.d\data.ms

(77) Ethylbenzene

5.390min (-0.001) 24.05ug/L m

response 140312

Ion	Exp%	Act%
91.00	100	100
106.00	30.40	29.55
65.00	8.50	9.30
51.00	10.30	11.47

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
10/04/24 12:04

Quantitation Report (QT Reviewed)

Data Path : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\
Data File : 1A59620.d
Acq On : 1 Oct 2024 6:01 pm
Operator : jeniferw
Sample : FC19116-7MSD Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Oct 02 01:32:37 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\method\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	3.397	96	247382	50.00	ug/L		0.00
62) Chlorobenzene-d5	5.352	117	176023	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	7.091	152	90802	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	2.951	113	70949	50.28	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.56%				
49) 1,2-Dichloroethane-d4	3.228	65	81214	52.33	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 104.66%				
63) Toluene-d8	4.336	98	239906	48.40	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 96.80%				
86) 4-Bromofluorobenzene	6.229	174	74406	49.80	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.60%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.011	85	37401	27.2321	ug/L		98
3) Chloromethane	1.119	50	34214	27.2284	ug/L		95
4) 1,3-butadiene	1.180	39	28733	25.3759	ug/L		93
5) Vinyl Chloride	1.165	62	34936	25.2405	ug/L		100
6) Bromomethane	1.342	94	18482	24.8489	ug/L		99
7) Chloroethane	1.411	64	21260	22.5671	ug/L		97
8) Trichlorofluoromethane	1.488	101	46580	22.1018	ug/L		99
9) Ethyl Ether	1.650	59	19948	22.7804	ug/L		97
10) Ethanol	1.696	45	3278m	491.1953	ug/L		
11) 1,2-Dichlorotrifluoroe...	1.735	67	35665	24.5211	ug/L		94
12) 1,1-Dichloroethene	1.750	61	50129	28.7637	ug/L		89
13) Freon 113	1.781	101	29303	25.2728	ug/L		98
14) Carbon Disulfide	1.773	76	81876	23.3179	ug/L		95
15) Iodomethane	1.827	142	23168	30.2493	ug/L		99
16) Acrolein	1.896	56	13738	108.9236	ug/L		99
17) Allyl chloride	1.989	41	42303	26.4920	ug/L		97
18) Methylene Chloride	2.035	49	42641	26.6914	ug/L		92
19) Acetone	2.042	43	23513	108.5106	ug/L		100
20) Methyl acetate	2.112	43	63356	106.6733	ug/L		95
21) trans-1,2-Dichloroethene	2.127	61	47713	27.5646	ug/L		91
22) Hexane	2.189	56	27161	25.1568	ug/L	#	91
23) Methyl Tert Butyl Ether	2.181	73	60292	22.7061	ug/L	#	72
24) Acetonitrile	2.266	41	20663	234.5865	ug/L		93
25) Tert Butyl Alcohol	2.196	59	14999	256.0832	ug/L	#	1
26) Di-isopropyl ether	2.381	45	85347	24.4180	ug/L		97
27) Chloroprene	2.427	53	83612	25.2705	ug/L		92
28) 1,1-Dichloroethane	2.435	63	59220	26.4164	ug/L		100
29) Acrylonitrile	2.427	52	41472	119.6801	ug/L		92
30) ETBE	2.573	59	78254	24.2487	ug/L		98
31) Vinyl acetate	2.550	43	242704	124.4897	ug/L		100
32) cis-1,2-Dichloroethene	2.712	96	33449	25.4192	ug/L		96
33) 2,2-Dichloropropane	2.774	77	43932	26.8515	ug/L		97
34) Bromochloromethane	2.812	128	14799	22.6832	ug/L	#	84
35) Cyclohexane	2.858	56	50928	24.5286	ug/L		96
36) Chloroform	2.851	83	61800	26.6285	ug/L		97
37) Ethyl acetate	2.904	43	82589	106.4266	ug/L		99
38) Tetrahydrofuran	2.943	42	4316	18.4145	ug/L		95
40) Carbon Tetrachloride	2.958	117	46586m	26.7064	ug/L		
41) 1,1,1-Trichloroethane	2.981	97	53435	28.0806	ug/L		97
42) 2-Butanone	2.997	43	33828	101.3748	ug/L		97
43) 1,1-Dichloropropene	3.051	75	43989	28.9955	ug/L		96
44) tert-Butyl formate	3.089	59	1498	2.7768	ug/L		90

Quantitation Report (QT Reviewed)

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Acq On : 1 Oct 2024 6:01 pm
Operator : jeniferw
Sample : FC19116-7MSD Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Oct 02 01:32:37 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\method\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45)	Propionitrile	3.135	54	25206	242.0538	ug/L		98
46)	Methacrylonitrile	3.158	41	127292	248.8520	ug/L		99
47)	Benzene	3.174	78	126592	26.1457	ug/L		99
48)	TAME	3.243	73	56878	21.8099	ug/L		91
50)	1,2-Dichloroethane	3.266	62	44404	27.2459	ug/L		96
51)	Isobutyl Alcohol	3.243	43	31011	465.4327	ug/L		97
52)	Tert Amyl Alcohol	3.312	59	7983	196.0035	ug/L		93
53)	Trichloroethene	3.505	95	34261	25.1567	ug/L		98
54)	Methylcyclohexane	3.520	83	49229	24.2872	ug/L		97
55)	Dibromomethane	3.728	93	18123	24.1234	ug/L		95
56)	1,2-Dichloropropane	3.789	63	32990	25.8521	ug/L		94
57)	Bromodichloromethane	3.820	83	42057	26.1636	ug/L		98
58)	Methyl methacrylate	3.913	41	16937	25.2004	ug/L		94
59)	1,4-Dioxane	3.936	88	2195	405.6223	ug/L		83
61)	cis-1,3-Dichloropropene	4.205	75	42755	24.0391	ug/L		94
64)	Toluene	4.367	91	128935	24.3038	ug/L		99
65)	2-Nitropropane	4.459	41	25016	109.3974	ug/L		99
66)	4-Methyl-2-pentanone	4.574	43	87266	106.0376	ug/L		98
67)	trans-1,3-Dichloropropene	4.605	75	35731	20.5524	ug/L		95
68)	Tetrachloroethene	4.628	166	34233	22.8679	ug/L		96
69)	Ethyl methacrylate	4.721	69	25655	22.0885	ug/L		90
70)	1,1,2-Trichloroethane	4.713	83	19695	24.4899	ug/L		98
71)	Dibromochloromethane	4.836	129	28629	26.2155	ug/L		94
72)	1,3-Dichloropropane	4.890	76	40437	25.0936	ug/L		94
73)	1,2-Dibromoethane	4.990	107	22856	24.5510	ug/L		99
74)	3,3-Dimethyl-1-Butanol	5.121	57	64823	1043.9210	ug/L		97
75)	2-hexanone	5.136	43	68999	102.5627	ug/L		89
76)	1-Chlorohexane	5.360	91	42545m	23.2187	ug/L		
77)	Ethylbenzene	5.390	91	138375m	23.2931	ug/L		
78)	Chlorobenzene	5.360	112	79737	23.4281	ug/L		97
79)	1,1,1,2-Tetrachloroethane	5.406	131	28624	26.4556	ug/L		98
80)	m,p-Xylene	5.498	91	220892	48.8739	ug/L		99
81)	o-Xylene	5.798	91	107519	23.5669	ug/L		97
82)	Styrene	5.829	104	78094	24.0509	ug/L		97
83)	Bromoform	5.837	173	14367	23.4841	ug/L		98
84)	Isopropylbenzene	6.037	105	128246	24.3532	ug/L		98
87)	cis-1,4-Dichloro-2-butene	6.260	53	7061	25.6324	ug/L		92
88)	n-Propylbenzene	6.345	91	159263	24.1892	ug/L		97
89)	Bromobenzene	6.298	156	31533	23.3369	ug/L		85
90)	1,1,2,2-Tetrachloroethane	6.368	83	23042	23.9367	ug/L		98
91)	1,3,5-Trimethylbenzene	6.499	105	104999	25.5053	ug/L		97
92)	2-Chlorotoluene	6.452	91	88704	24.3287	ug/L		98
93)	trans-1,4-Dichloro-2-B...	6.499	53	9387	25.1357	ug/L		93
94)	1,2,3-Trichloropropane	6.460	110	6446	23.4688	ug/L		88
95)	Cyclohexanone	6.476	55	2100	102.0970	ug/L		87
96)	4-Chlorotoluene	6.576	91	91828	24.4783	ug/L		97
97)	tert-Butylbenzene	6.745	91	61737	24.8723	ug/L		98
98)	1,2,4-Trimethylbenzene	6.799	105	97979	25.1994	ug/L		96
99)	Pentachloroethane	6.745	167	16970	28.0347	ug/L	#	78
100)	sec-Butylbenzene	6.883	105	125252	23.7463	ug/L		98
101)	4-Isopropyltoluene	7.007	119	104018	24.4394	ug/L		99
102)	1,3-Dichlorobenzene	7.030	146	56445	23.6870	ug/L		96
103)	1,2,3-Trimethylbenzene	7.137	105	92535	23.6219	ug/L		100
104)	1,4-Dichlorobenzene	7.099	146	55708	23.5411	ug/L		93
105)	n-Butylbenzene	7.338	92	51240	23.9192	ug/L		97
106)	Benzyl Chloride	7.291	126	5475	19.7174	ug/L	#	90
107)	1,2-Dichlorobenzene	7.422	146	48284	23.3654	ug/L		97
108)	1,2-Dibromo-3-Chloropr...	7.999	75	2951	23.8724	ug/L	#	80

Quantitation Report (QT Reviewed)

Data Path : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\
Data File : 1A59620.d
Acq On : 1 Oct 2024 6:01 pm
Operator : jeniferw
Sample : FC19116-7MSD Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Oct 02 01:32:37 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\method\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration

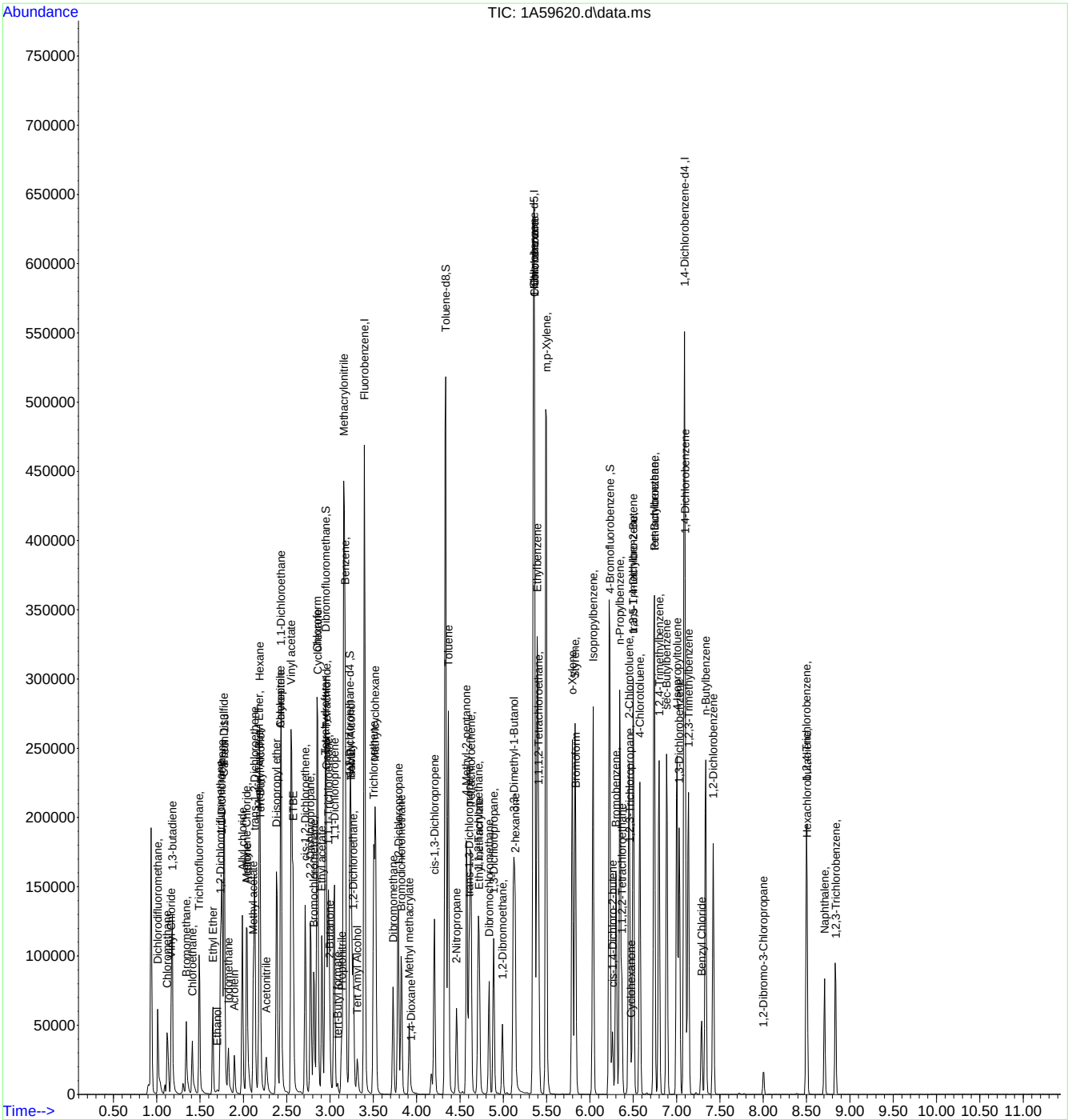
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
109) Hexachlorobutadiene	8.507	225	13084	23.6051	ug/L	94
110) 1,2,4-Trichlorobenzene	8.500	180	23679	24.0385	ug/L	93
111) Naphthalene	8.707	128	40118	23.7360	ug/L	99
112) 1,2,3-Trichlorobenzene	8.838	180	18575	24.2502	ug/L	95

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

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Manual Integration Approval Summary

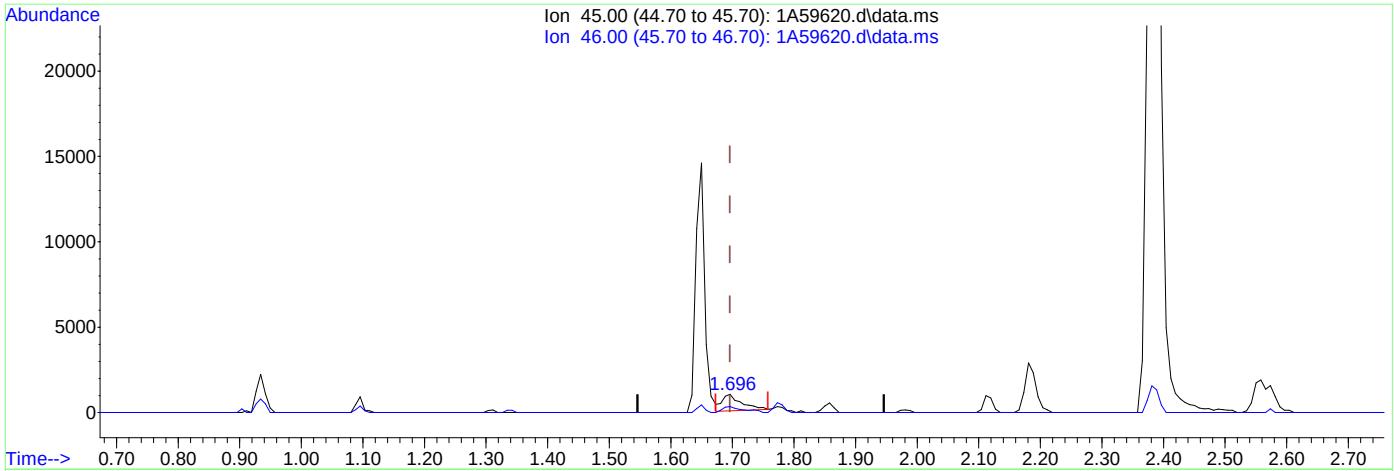
Sample Number: FC19116-7MSD
Lab FileID: 1A59620.D
Injection Time: 10/01/24 18:01
Method: SW846 8260D
Analyst approved: 10/01/24 21:57 Jhenelle Bondal
Supervisor approved: 10/04/24 12:04 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		1.70	Poorly defined baseline
Carbon Tetrachloride	56-23-5		2.96	Overlapping peak
1-Chlorohexane	544-10-5		5.36	Overlapping peak
Ethylbenzene	100-41-4		5.39	Overlapping peak

Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\
Data File : 1A59620.d
Acq On : 1 Oct 2024 6:01 pm
Operator : jeniferw
Sample : FC19116-7MS Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Oct 02 01:26:57 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\method\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration



TIC: 1A59620.d\data.ms

(10) Ethanol

1.696min (+0.000) 315.87ug/L

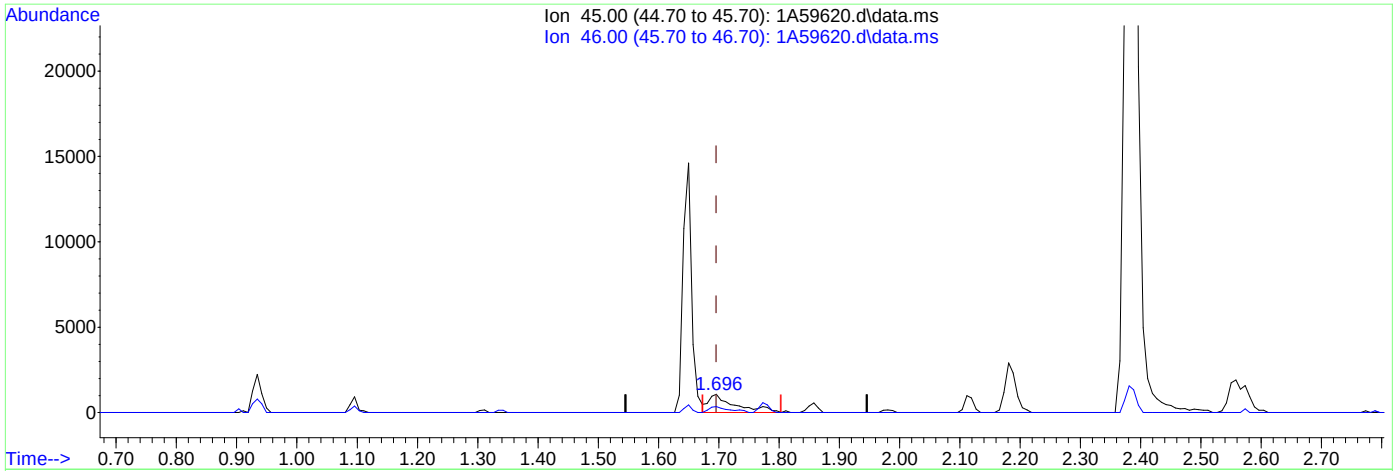
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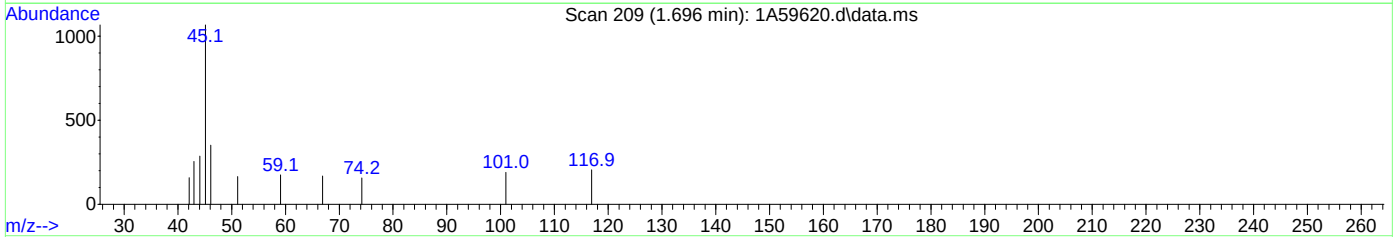
Ion	Exp%	Act%
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46.00	35.50	39.89
0.00	0.00	0.00
0.00	0.00	0.00

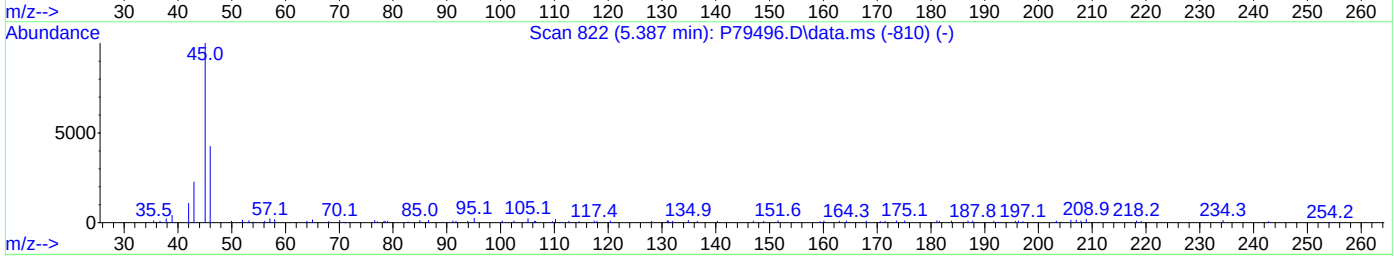
Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\
Data File : 1A59620.d
Acq On : 1 Oct 2024 6:01 pm
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Sample : FC19116-7MS Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Oct 02 01:26:57 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\method\V1A3047_09182024.M
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Response via : Initial Calibration







TIC: 1A59620.d\data.ms

(10) Ethanol

1.696min (+0.000) 491.20ug/L m

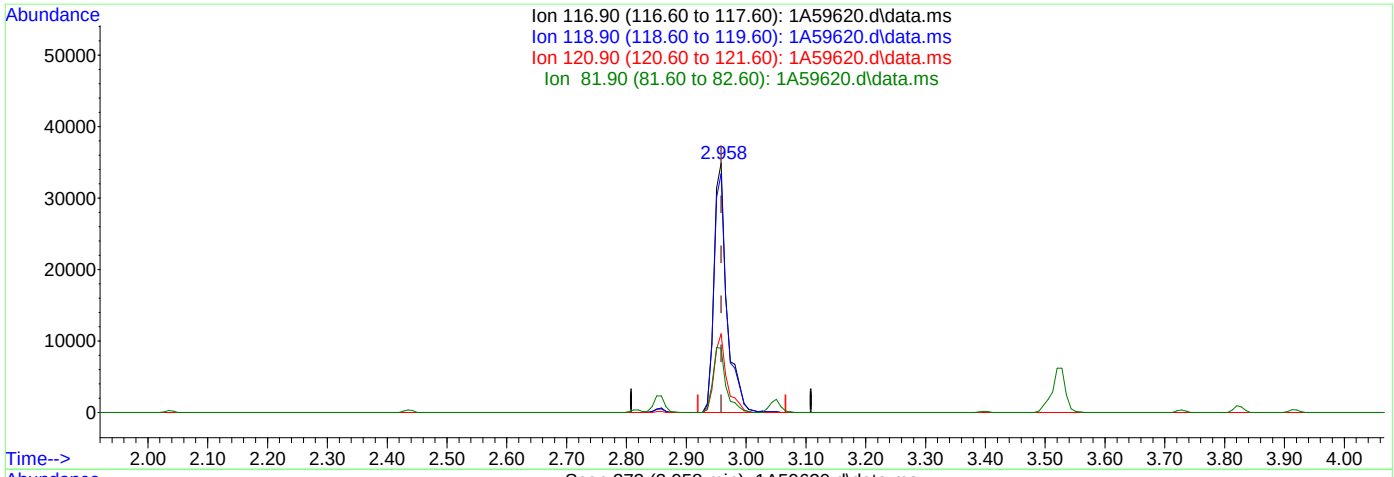
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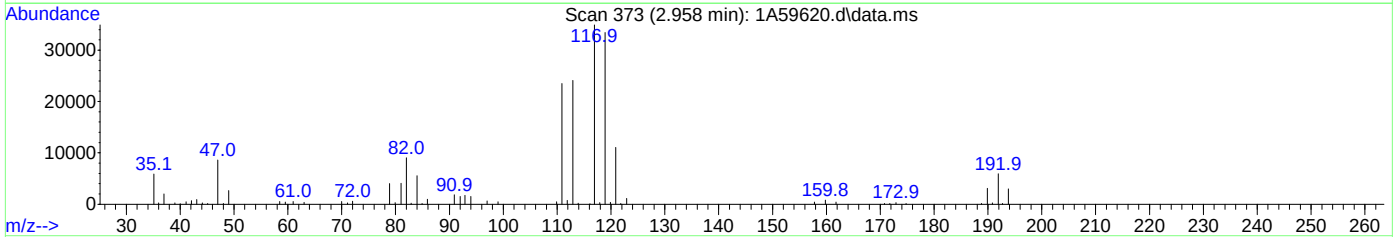
Ion	Exp%	Act%
45.00	100	100
46.00	35.50	32.87
0.00	0.00	0.00
0.00	0.00	0.00

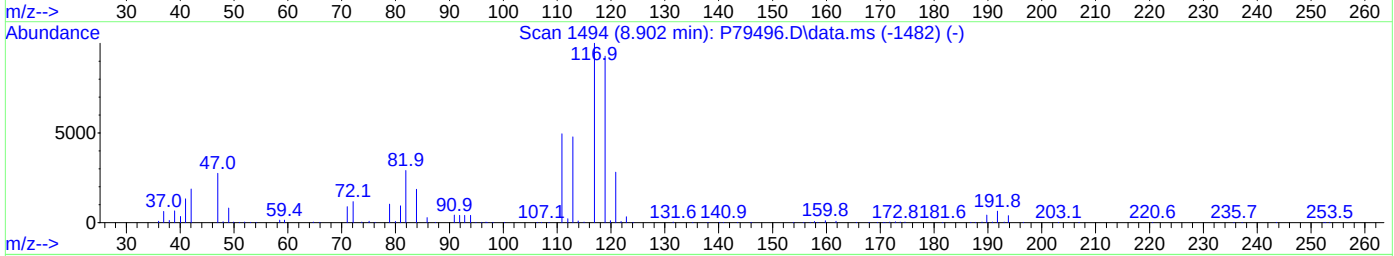
Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\
Data File : 1A59620.d
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Misc : MS57609,V1A3062,,,,,
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TIC: 1A59620.d\data.ms

(40) Carbon Tetrachloride ( )

2.958min (-0.000) 30.22ug/L

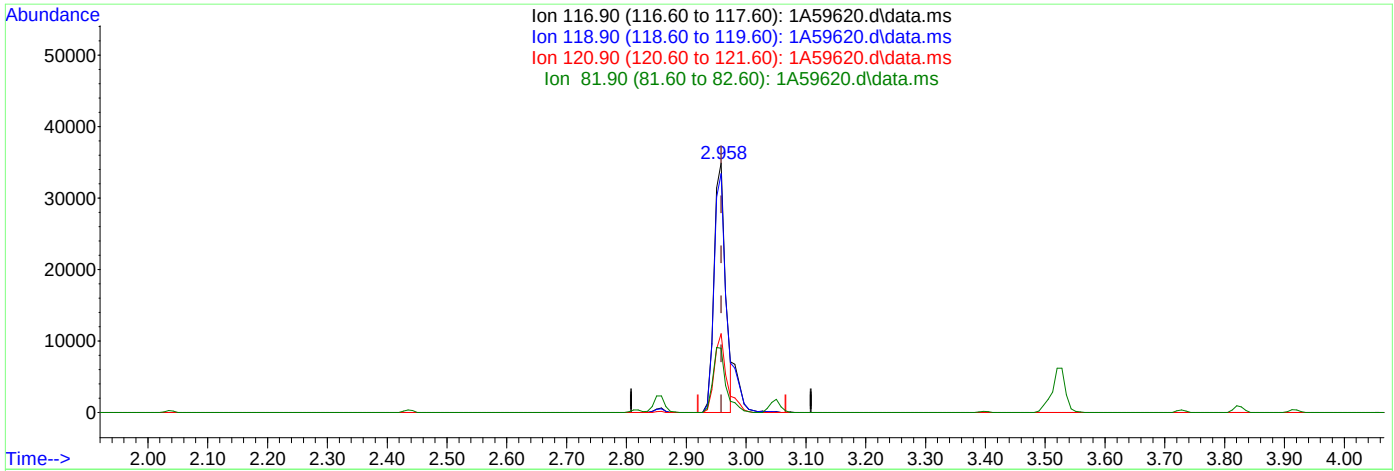
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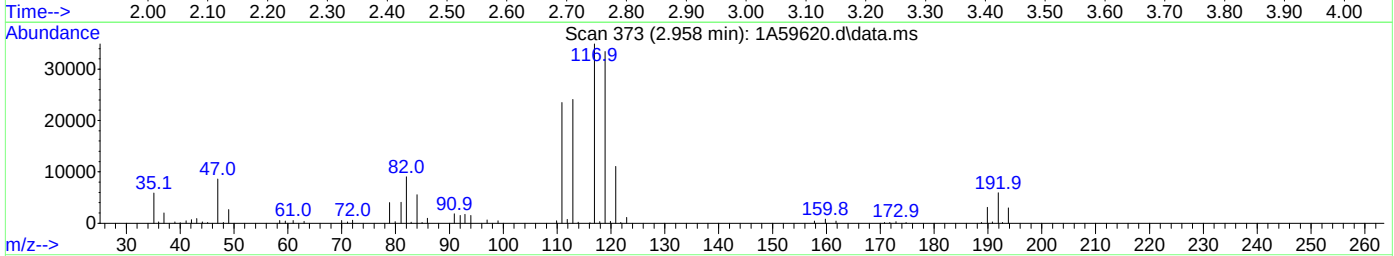
Ion	Exp%	Act%
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118.90	97.80	95.65
120.90	30.90	31.61
81.90	25.10	25.80

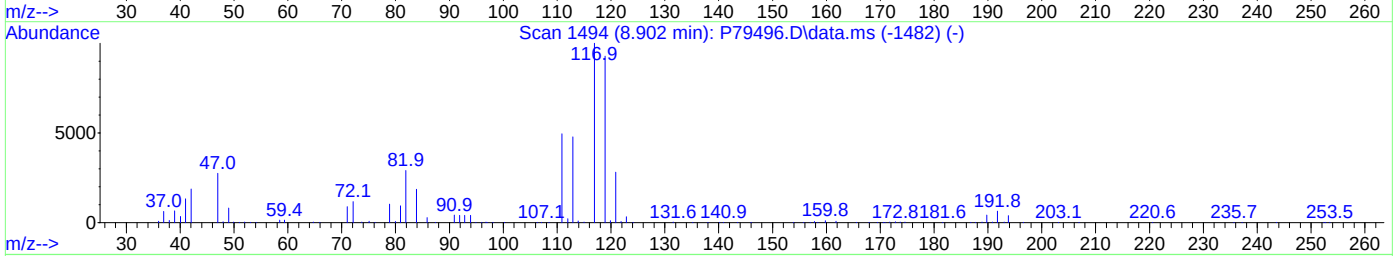
Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\
Data File : 1A59620.d
Acq On : 1 Oct 2024 6:01 pm
Operator : jeniferw
Sample : FC19116-7MS Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Oct 02 01:26:57 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\method\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration







TIC: 1A59620.d\data.ms

(40) Carbon Tetrachloride ( )

2.958min (-0.000) 26.71ug/L m

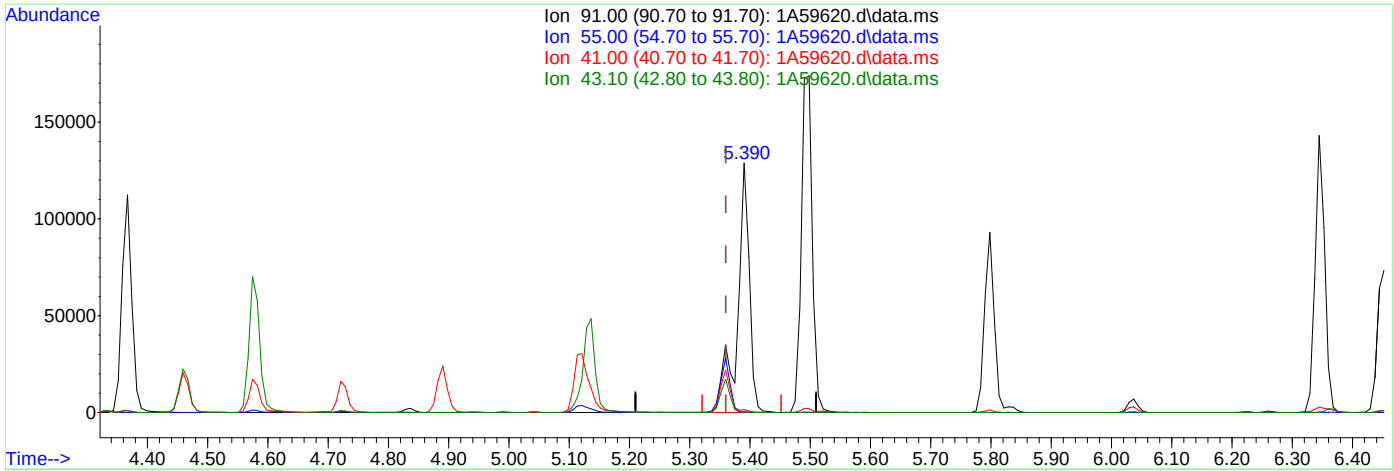
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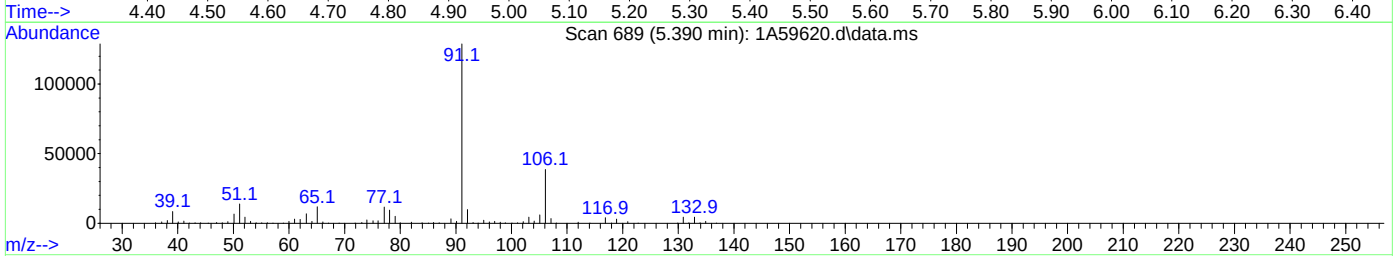
Ion	Exp%	Act%
116.90	100	100
118.90	97.80	95.65
120.90	30.90	31.61
81.90	25.10	25.80

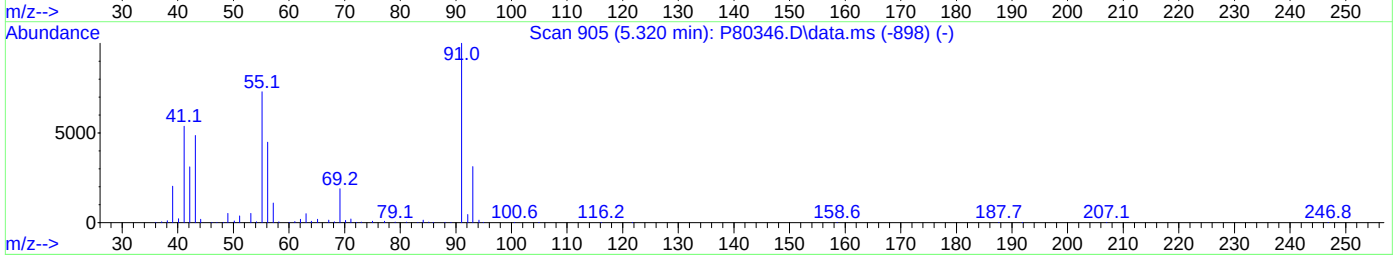
Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\
Data File : 1A59620.d
Acq On : 1 Oct 2024 6:01 pm
Operator : jeniferw
Sample : FC19116-7MS Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Oct 02 01:26:57 2024
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Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration







TIC: 1A59620.d\data.ms

(76) 1-Chlorohexane

5.390min (+0.030) 98.78ug/L

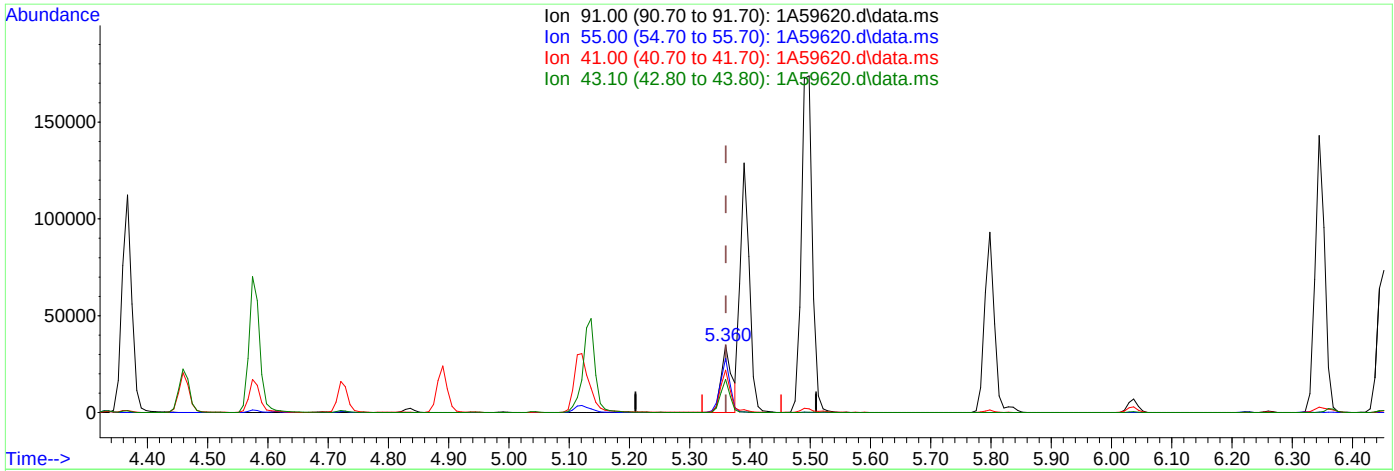
response 181006

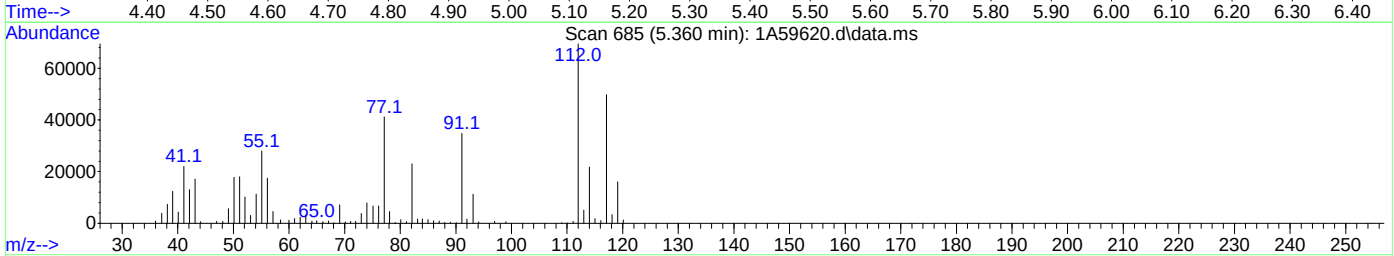
Ion	Exp%	Act%
91.00	100	100
55.00	69.60	0.25#
41.00	56.40	1.06#
43.10	42.00	0.22#

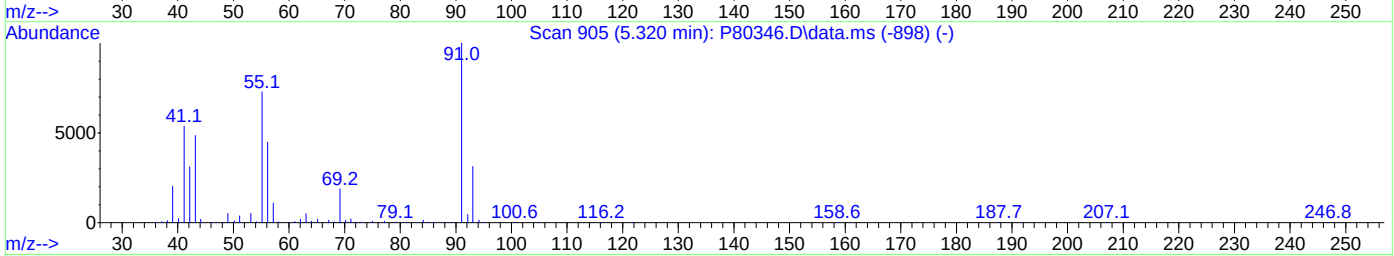
Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\
Data File : 1A59620.d
Acq On : 1 Oct 2024 6:01 pm
Operator : jeniferw
Sample : FC19116-7MS Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Oct 02 01:26:57 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\method\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration







TIC: 1A59620.d\data.ms

(76) 1-Chlorohexane

5.360min (-0.000) 23.22ug/L m

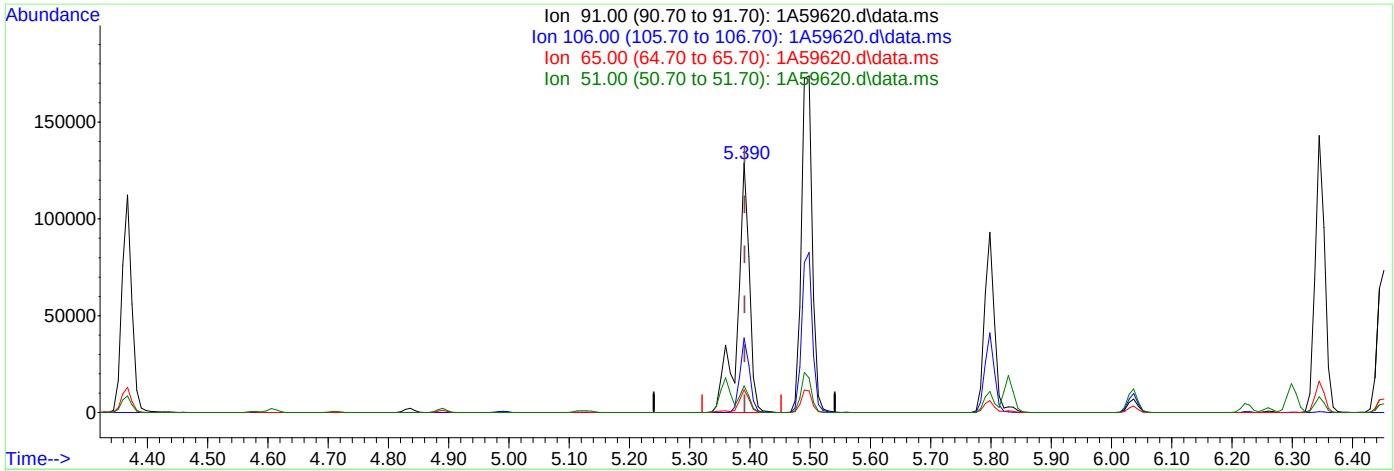
response 42545

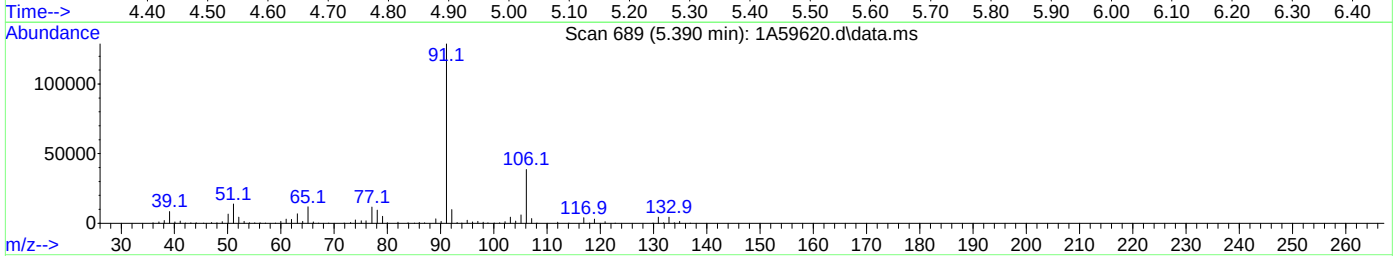
Ion	Exp%	Act%
91.00	100	100
55.00	69.60	80.30
41.00	56.40	63.04
43.10	42.00	49.14

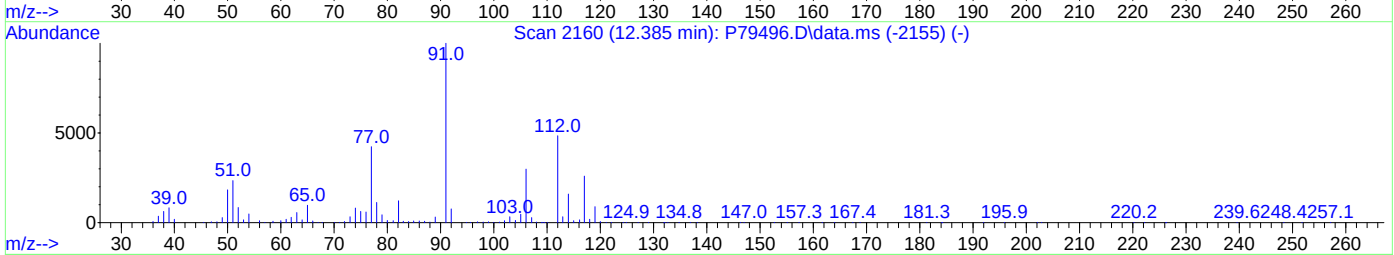
Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\
Data File : 1A59620.d
Acq On : 1 Oct 2024 6:01 pm
Operator : jeniferw
Sample : FC19116-7MS Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Oct 02 01:26:57 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\method\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration







TIC: 1A59620.d\data.ms

(77) Ethylbenzene

5.390min (-0.001) 30.47ug/L

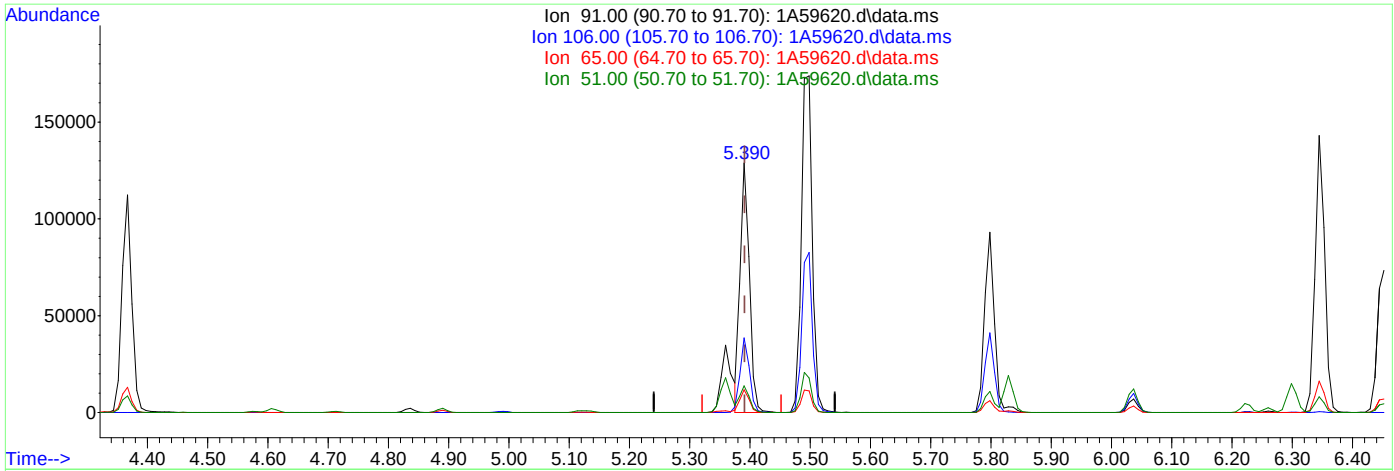
response 181006

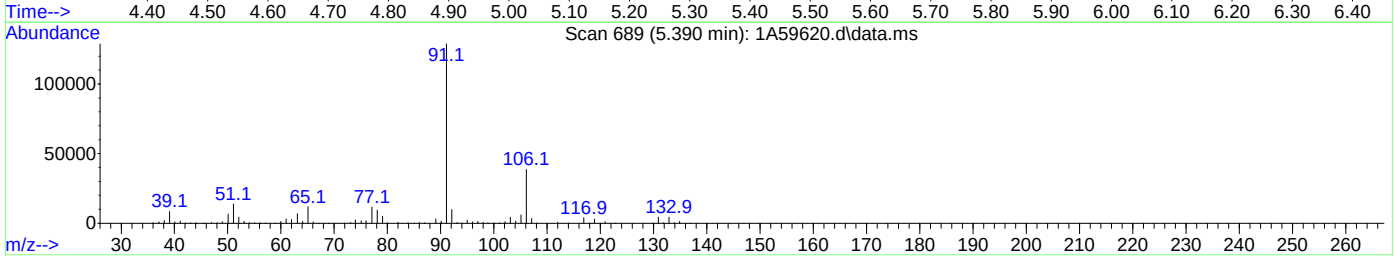
Ion	Exp%	Act%
91.00	100	100
106.00	30.40	29.91
65.00	8.50	9.18
51.00	10.30	10.67

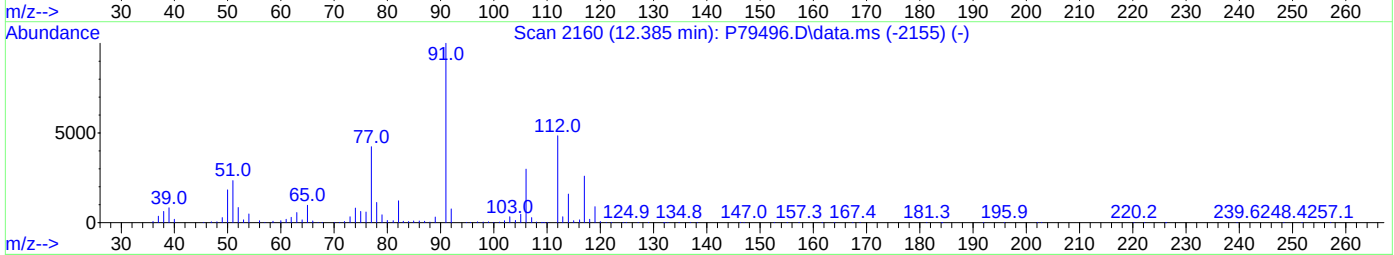
Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\
Data File : 1A59620.d
Acq On : 1 Oct 2024 6:01 pm
Operator : jeniferw
Sample : FC19116-7MS Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Oct 02 01:26:57 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\method\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration







TIC: 1A59620.d\data.ms

(77) Ethylbenzene

5.390min (-0.001) 23.29ug/L m

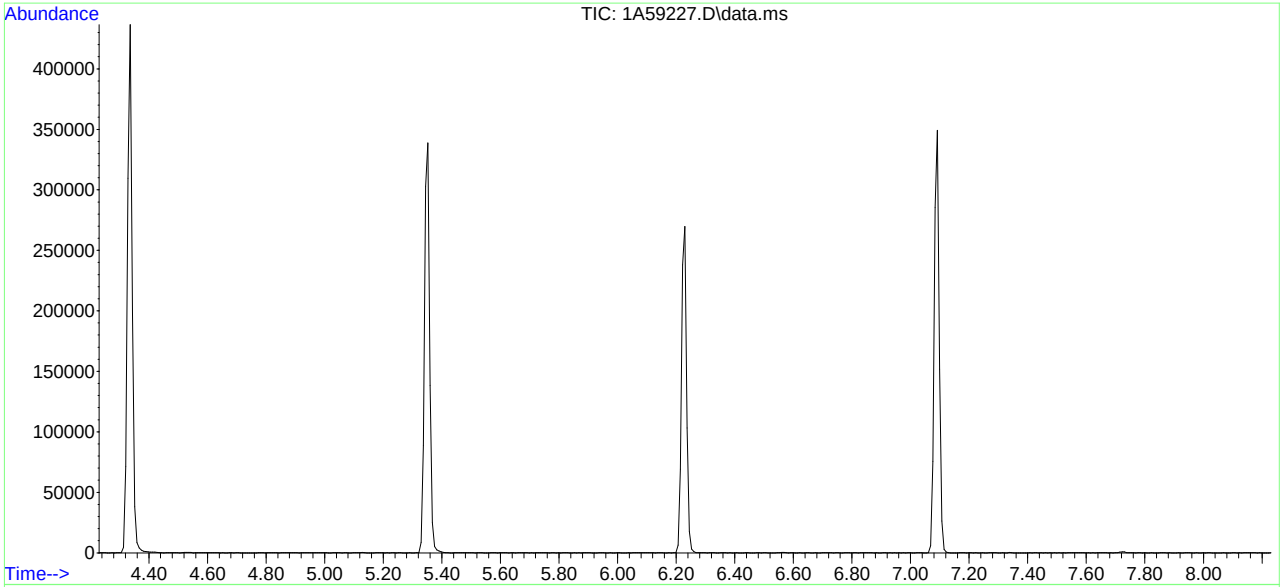
response 138375

Ion	Exp%	Act%
91.00	100	100
106.00	30.40	29.91
65.00	8.50	9.18
51.00	10.30	10.67

Methods: SW-846 8260D

```
Data File : C:\msdchem\1\data\091824\1A59227.D          Vial: 1
Acq On    : 18 Sep 2024   7:29 am                   Operator: jeniferw
Sample    : BFB                                     Inst    : MSVOA17-1A_2A
Misc      : MS57502,V1A3047,,,,,                    Multiplr: 1.00
MS Integration Params: med.p

Method    : C:\msdchem\1\met...A3037_09182024.M (RTE Integrator)
Title     : SW-846 Method 5030/8260D & EPA 624.1
```



AutoFind: Scans 797, 798, 799; Background Corrected with Scan 792

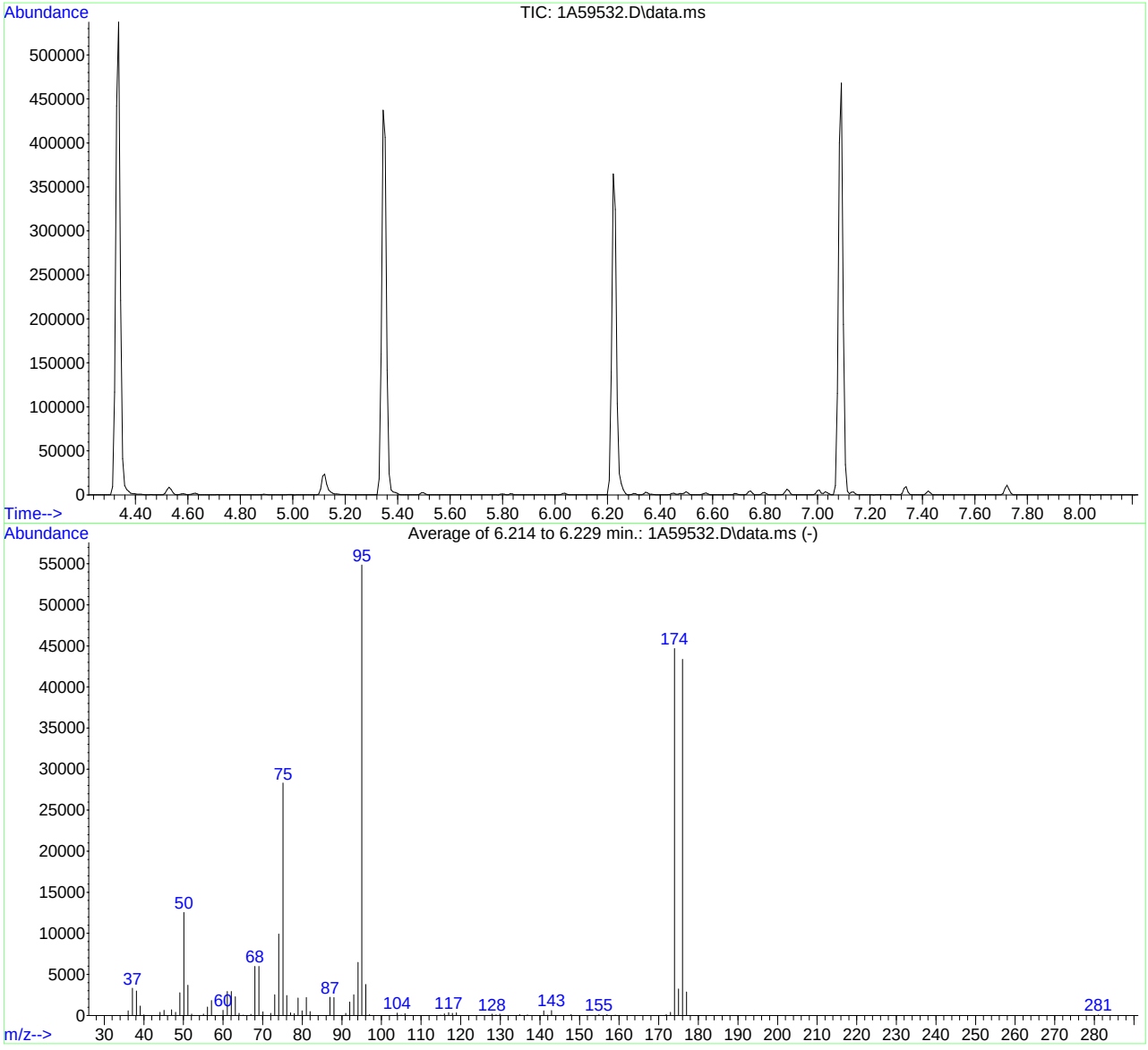
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	95	100	100	100.0	38776	PASS
96	95	5	9	6.8	2651	PASS
173	174	0.00	2	0.8	293	PASS
174	95	50	200	92.4	35837	PASS
175	174	5	9	7.2	2577	PASS
176	174	95	105	96.2	34475	PASS
177	176	5	10	6.6	2270	PASS

1A59227.D V1A3037_09182024.M Wed Sep 18 11:45:41 2024

Methods: SW-846 8260D

```
Data File : C:\msdchem\1\data\092924\1A59532.D          Vial: 1
Acq On    : 29 Sep 2024  10:06 am                   Operator: jeniferw
Sample    : BFB                                     Inst    : MSVOA17-1A_2A
Misc      : MS57580,V1A3060,,,,,                    Multiplr: 1.00
MS Integration Params: med.p

Method    : C:\msdchem\1\met...A3047_09182024.M (RTE Integrator)
Title     : SW-846 Method 5030/8260D & EPA 624.1
```



AutoFind: Scans 796, 797, 798; Background Corrected with Scan 791

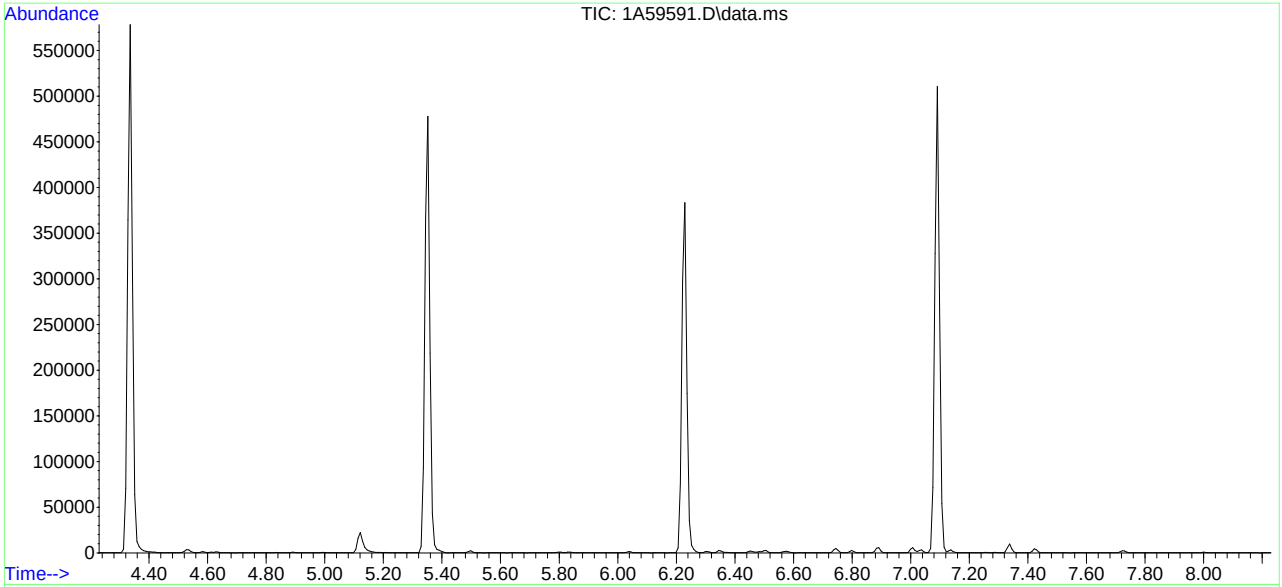
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	95	100	100	100.0	54851	PASS
96	95	5	9	6.9	3778	PASS
173	174	0.00	2	0.9	390	PASS
174	95	50	200	81.4	44675	PASS
175	174	5	9	7.2	3233	PASS
176	174	95	105	97.1	43384	PASS
177	176	5	10	6.6	2860	PASS

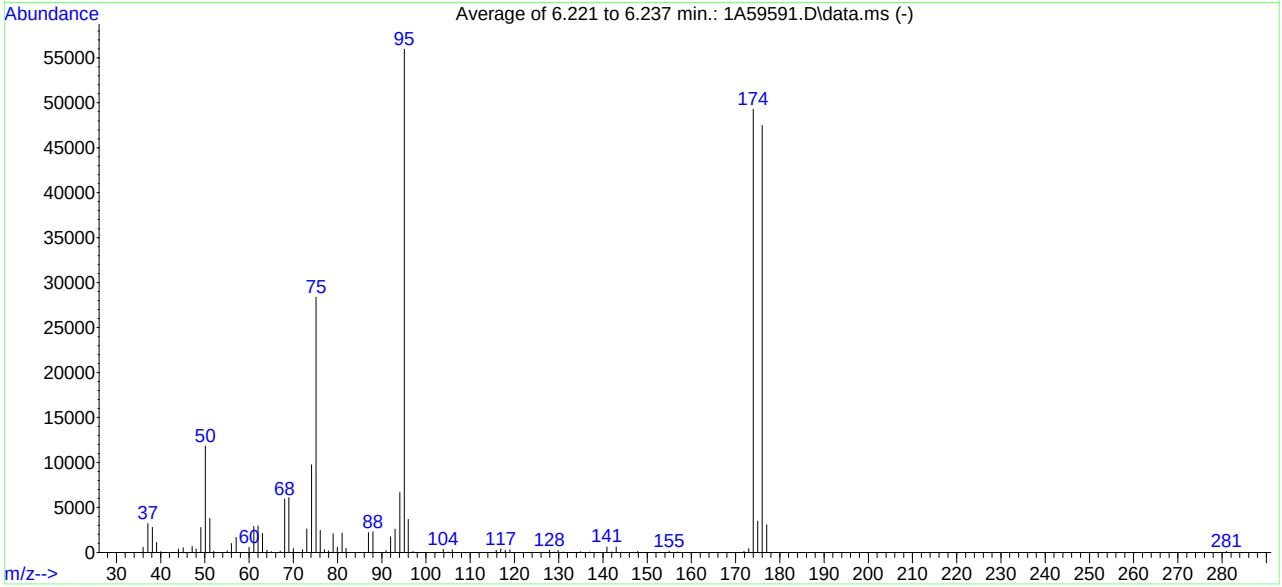
1A59532.D V1A3047_09182024.M Sun Sep 29 11:14:29 2024

Methods: SW-846 8260D

Data File : C:\msdchem\1\data\100124\1A59591.D Vial: 1
Acq On : 1 Oct 2024 6:18 am Operator: jeniferw
Sample : BFB Inst : MSVOA17-1A_2A
Misc : MS57600,V1A3062,,,,, Multiplr: 1.00
MS Integration Params: med.p

Method : C:\msdchem\1\met...A3047_09182024.M (RTE Integrator)
Title : SW-846 Method 5030/8260D & EPA 624.1





AutoFind: Scans 797, 798, 799; Background Corrected with Scan 792

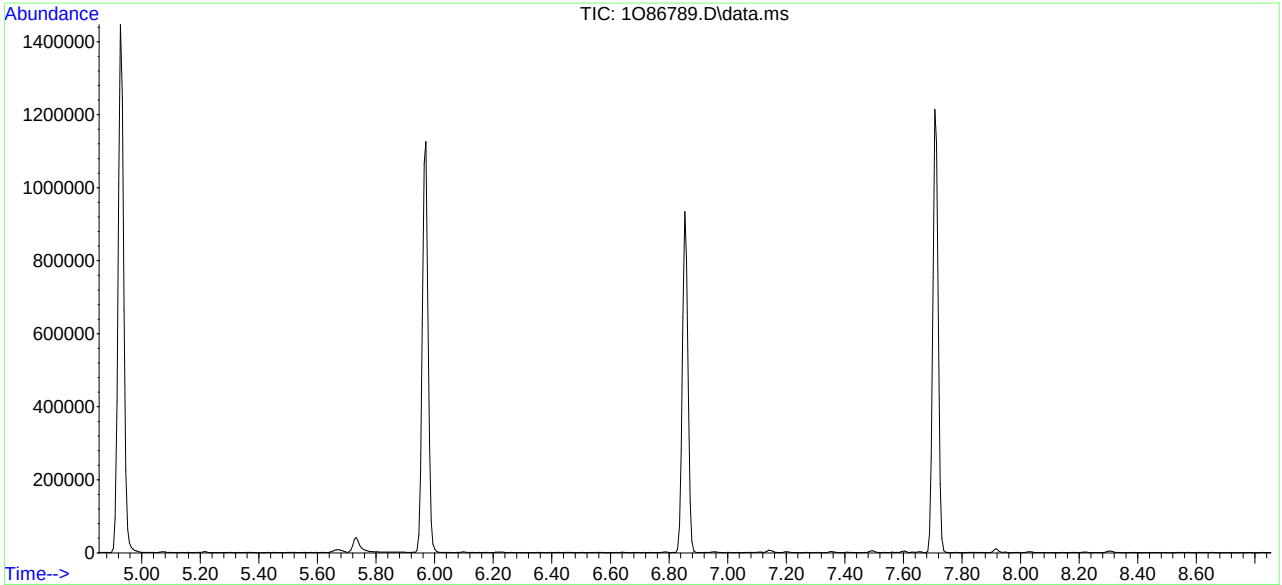
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	95	100	100	100.0	55957	PASS
96	95	5	9	6.6	3669	PASS
173	174	0.00	2	0.9	429	PASS
174	95	50	200	88.1	49296	PASS
175	174	5	9	7.1	3480	PASS
176	174	95	105	96.3	47485	PASS
177	176	5	10	6.5	3079	PASS

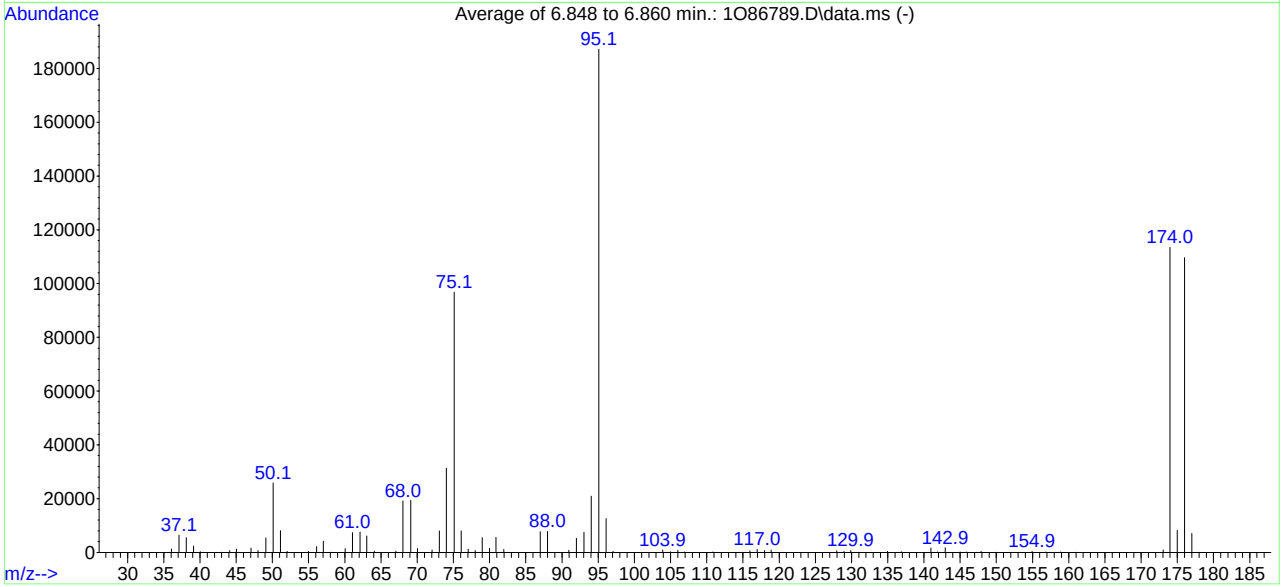
1A59591.D V1A3047_09182024.M Tue Oct 01 07:08:55 2024

Methods: SW-846 8260B

Data File : C:\msdchem\1\data\081524\1O86789.D Vial: 1
Acq On : 15 Aug 2024 8:15 am Operator: jeniferw
Sample : BFB Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,, Multiplr: 1.00
MS Integration Params: big.p

Method : C:\msdchem\1\met...O4046_08152024.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B





AutoFind: Scans 945, 946, 947; Background Corrected with Scan 938

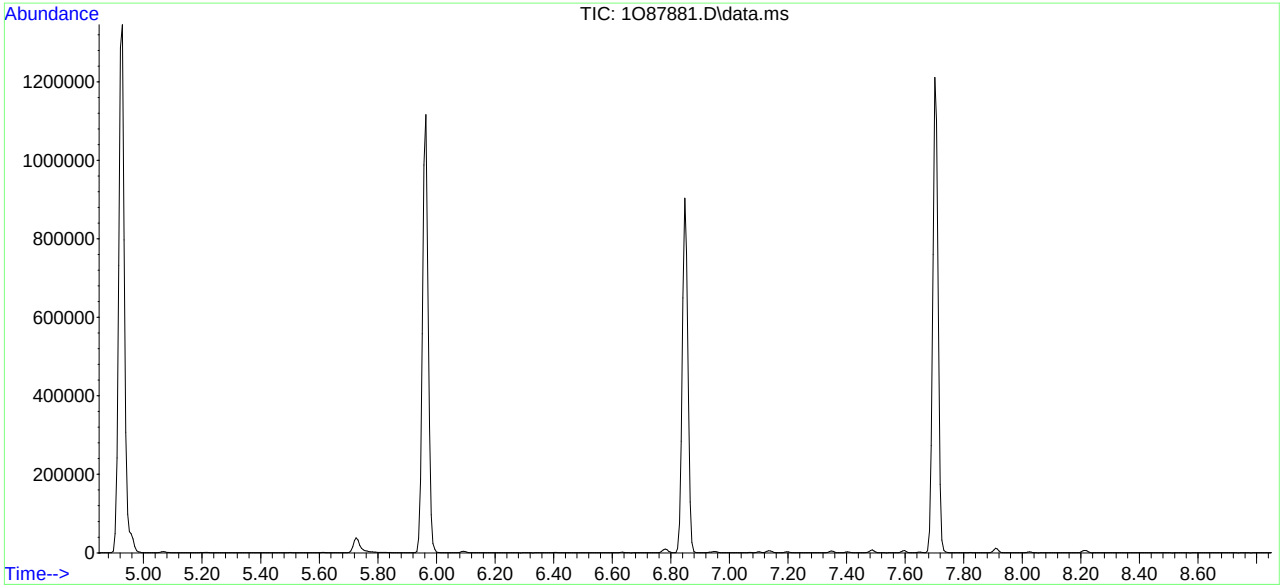
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	95	100	100	100.0	187179	PASS
96	95	5	9	6.7	12621	PASS
173	174	0.00	2	0.8	862	PASS
174	95	50	200	60.6	113493	PASS
175	174	5	9	7.2	8188	PASS
176	174	95	105	96.6	109653	PASS
177	176	5	10	6.5	7093	PASS

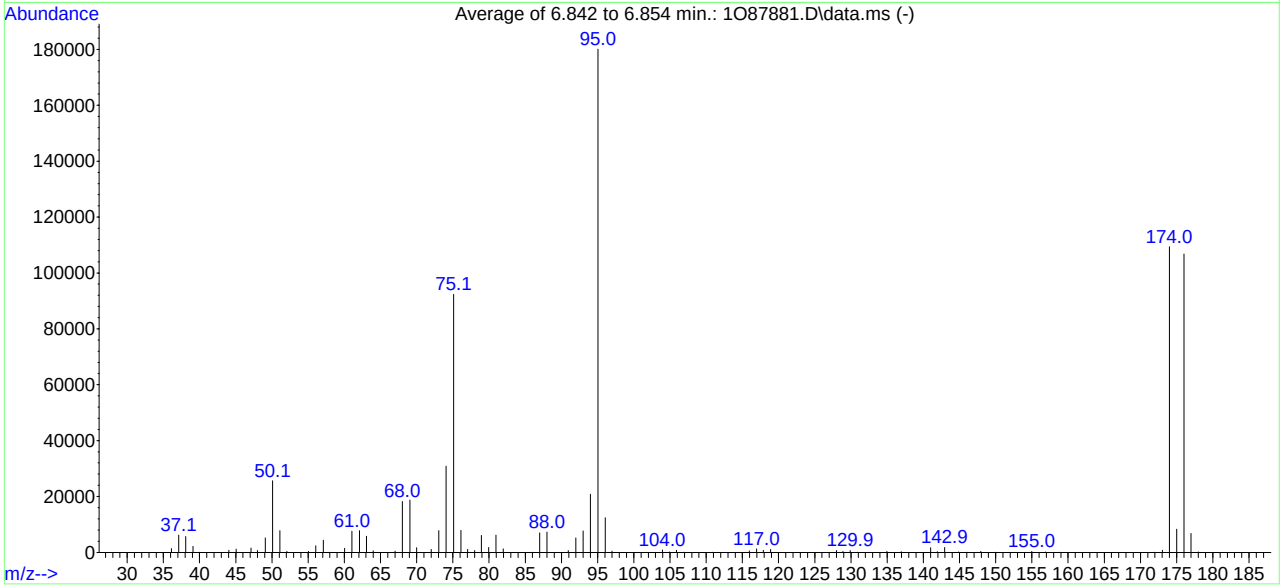
1O86789.D V1O4046_08152024.M Thu Aug 15 10:45:35 2024

Methods: SW-846 8260D

Data File : C:\msdchem\1\data\093024\1O87881.D Vial: 1
Acq On : 30 Sep 2024 5:57 am Operator: jeniferw
Sample : BFB Inst : MSVOA12-O
Misc : MS57595,V1O4089,,,,, Multiplr: 1.00
MS Integration Params: big.p

Method : C:\msdchem\1\met...O4046_08152024.M (RTE Integrator)
Title : SW-846 Method 5030/8260D & EPA 624.1





AutoFind: Scans 944, 945, 946; Background Corrected with Scan 937

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	95	100	100	100.0	180075	PASS
96	95	5	9	6.9	12416	PASS
173	174	0.00	2	0.7	774	PASS
174	95	50	200	60.7	109392	PASS
175	174	5	9	7.6	8271	PASS
176	174	95	105	97.6	106749	PASS
177	176	5	10	6.4	6814	PASS

1O87881.D V1O4046_08152024.M Mon Sep 30 07:12:00 2024

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/18/24 15:09

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59229.D
Acq On : 18 Sep 2024 8:10 am
Operator : jeniferw
Sample : IC3047-1 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 12:04:21 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	3.397	96	195506	50.00	ug/L		0.00
62) Chlorobenzene-d5	5.344	117	134107	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	7.091	152	66926	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	2.951	113	55492	49.35	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.70%				
49) 1,2-Dichloroethane-d4	3.228	65	59507	46.18	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 92.36%				
63) Toluene-d8	4.336	98	188464	50.85	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 101.70%				
86) 4-Bromofluorobenzene	6.229	174	54911	49.84	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.68%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.011	85	1058	0.79	ug/L		86
3) Chloromethane	1.127	50	942	0.73	ug/L		88
4) 1,3-butadiene	1.180	39	806m	0.67	ug/L		
5) Vinyl Chloride	1.165	62	1019	0.79	ug/L		97
6) Bromomethane	1.342	94	366m	0.70	ug/L		
7) Chloroethane	1.411	64	899	1.21	ug/L		89
8) Trichlorofluoromethane	1.488	101	1648	1.00	ug/L		93
9) Ethyl Ether	1.650	59	611	0.77	ug/L		92
11) 1,2-Dichlorotrifluoroe...	1.742	67	1131	0.92	ug/L		94
12) 1,1-Dichloroethene	1.750	61	1216	0.76	ug/L		94
13) Freon 113	1.781	101	822	0.83	ug/L		91
14) Carbon Disulfide	1.773	76	2751	0.88	ug/L		97
15) Iodomethane	1.827	142	351m	0.59	ug/L		
16) Acrolein	1.904	56	387m	2.90	ug/L		
17) Allyl chloride	1.989	41	1197	0.73	ug/L		88
18) Methylene Chloride	2.035	49	8185	5.68	ug/L		94
19) Acetone	2.042	43	916	4.67	ug/L		96
20) Methyl acetate	2.119	43	1919	3.34	ug/L		98
21) trans-1,2-Dichloroethene	2.135	61	1364	0.89	ug/L		91
22) Hexane	2.189	56	820	0.80	ug/L	#	84
23) Methyl Tert Butyl Ether	2.189	73	1835	0.80	ug/L		87
24) Acetonitrile	2.266	41	1969	26.08	ug/L		96
26) Di-isopropyl ether	2.389	45	2271	0.67	ug/L		89
27) Chloroprene	2.435	53	2295	0.73	ug/L		91
28) 1,1-Dichloroethane	2.435	63	1675	0.84	ug/L		93
29) Acrylonitrile	2.435	52	1228	3.80	ug/L		95
30) ETBE	2.573	59	1991	0.68	ug/L		96
31) Vinyl acetate	2.558	43	6479	3.43	ug/L		97
32) cis-1,2-Dichloroethene	2.712	96	1033	0.95	ug/L		94
33) 2,2-Dichloropropane	2.781	77	1148	0.79	ug/L		96
34) Bromochloromethane	2.820	128	440m	0.82	ug/L		
35) Cyclohexane	2.858	56	1298	0.66	ug/L		82
36) Chloroform	2.858	83	1587	0.80	ug/L		97
37) Ethyl acetate	2.912	43	2712	3.77	ug/L		98
40) Carbon Tetrachloride	2.958	117	1488	1.02	ug/L		86
41) 1,1,1-Trichloroethane	2.981	97	1449	0.89	ug/L		97
42) 2-Butanone	3.004	43	1141	3.50	ug/L		81
43) 1,1-Dichloropropene	3.051	75	1097	0.86	ug/L		96
44) tert-Butyl formate	3.089	59	1544	3.00	ug/L	#	81
45) Propionitrile	3.135	54	670	6.80	ug/L		70
46) Methacrylonitrile	3.158	41	3595	7.23	ug/L		97
47) Benzene	3.174	78	3617	0.88	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59229.D
Acq On : 18 Sep 2024 8:10 am
Operator : jeniferw
Sample : IC3047-1 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 12:04:21 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration

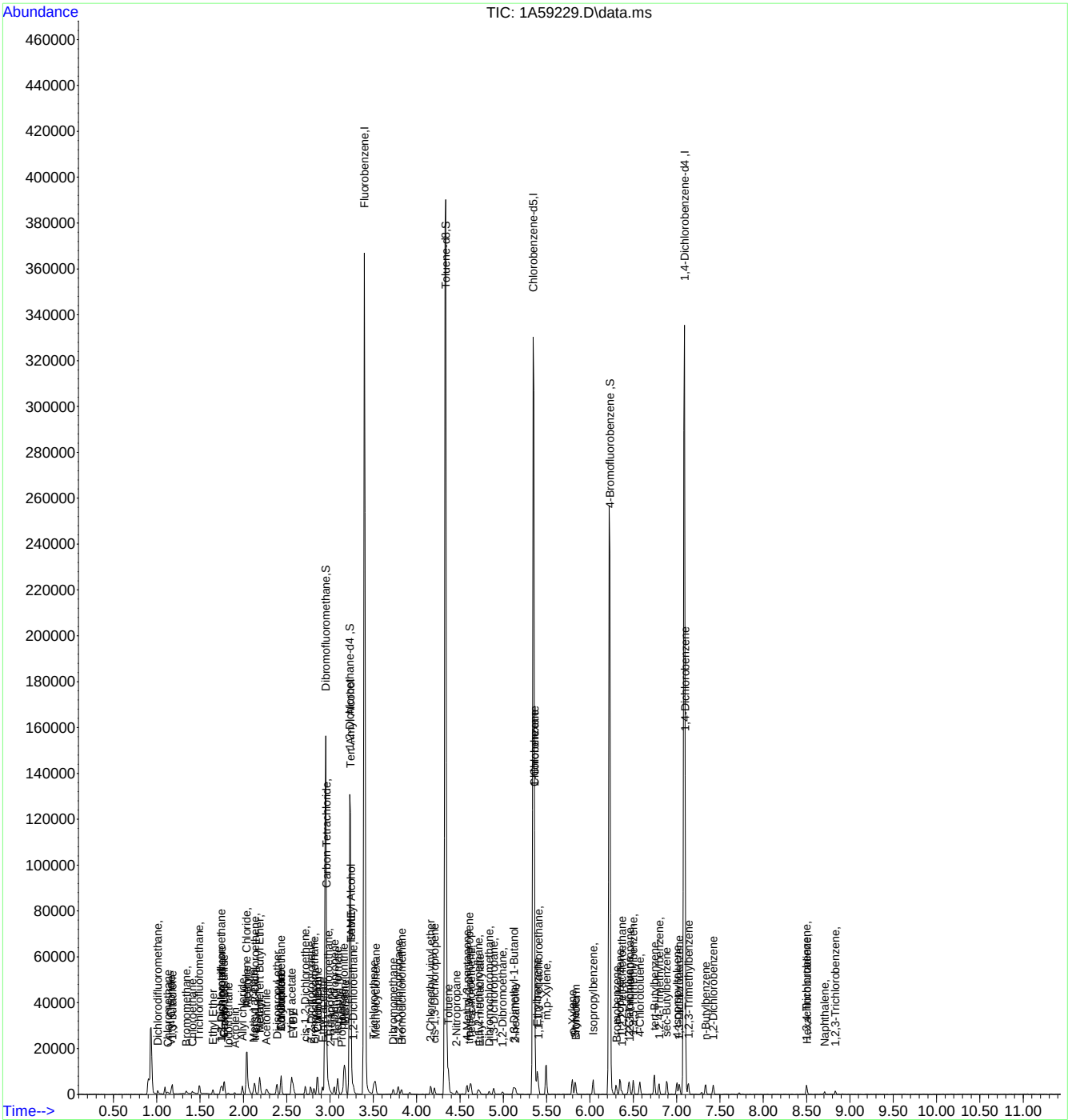
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
48) TAME	3.243	73	1680	0.75	ug/L		86
50) 1,2-Dichloroethane	3.266	62	1168	0.81	ug/L		97
51) Isobutyl Alcohol	3.243	43	809	12.99	ug/L	#	46
52) Tert Amyl Alcohol	3.235	59	66m	1.83	ug/L		
53) Trichloroethene	3.505	95	1140	1.00	ug/L		89
54) Methylcyclohexane	3.528	83	1380	0.79	ug/L		85
55) Dibromomethane	3.728	93	567	0.93	ug/L		85
56) 1,2-Dichloropropane	3.789	63	980	0.89	ug/L		97
57) Bromodichloromethane	3.828	83	1051	0.77	ug/L		93
60) 2-Chloroethyl vinyl ether	4.159	63	1172	2.82	ug/L		89
61) cis-1,3-Dichloropropene	4.205	75	1164	0.76	ug/L		94
64) Toluene	4.367	91	3849	0.94	ug/L		99
65) 2-Nitropropane	4.459	41	496m	3.58	ug/L		
66) 4-Methyl-2-pentanone	4.582	43	1967	2.93	ug/L		95
67) trans-1,3-Dichloropropene	4.605	75	873	0.69	ug/L		86
68) Tetrachloroethene	4.628	166	963	0.92	ug/L		84
69) Ethyl methacrylate	4.728	69	522	0.60	ug/L		87
70) 1,1,2-Trichloroethane	4.713	83	498m	0.81	ug/L		
71) Dibromochloromethane	4.836	129	687	0.82	ug/L		87
72) 1,3-Dichloropropane	4.890	76	1051	0.81	ug/L		95
73) 1,2-Dibromoethane	4.990	107	553	0.78	ug/L		89
74) 3,3-Dimethyl-1-Butanol	5.121	57	1501	34.15	ug/L	#	74
75) 2-hexanone	5.136	43	1505	2.92	ug/L		88
76) 1-Chlorohexane	5.360	91	1420m	0.91	ug/L		
77) Ethylbenzene	5.390	91	4364m	0.96	ug/L		
78) Chlorobenzene	5.360	112	2491	0.96	ug/L		85
79) 1,1,1,2-Tetrachloroethane	5.406	131	657	0.79	ug/L		95
80) m,p-Xylene	5.498	91	5756	1.60	ug/L		96
81) o-Xylene	5.798	91	2992	0.84	ug/L		97
82) Styrene	5.829	104	1895	0.75	ug/L		91
83) Bromoform	5.837	173	368m	0.82	ug/L		
84) Isopropylbenzene	6.037	105	3274	0.79	ug/L		97
88) n-Propylbenzene	6.345	91	4493	0.93	ug/L		99
89) Bromobenzene	6.306	156	900	0.90	ug/L	#	74
90) 1,1,2,2-Tetrachloroethane	6.368	83	582	0.78	ug/L		86
91) 1,3,5-Trimethylbenzene	6.499	105	2537	0.81	ug/L		99
92) 2-Chlorotoluene	6.452	91	2395	0.85	ug/L		89
94) 1,2,3-Trichloropropane	6.460	110	187m	0.94	ug/L		
96) 4-Chlorotoluene	6.576	91	2538	0.87	ug/L		98
97) tert-Butylbenzene	6.745	91	1540	0.80	ug/L		92
98) 1,2,4-Trimethylbenzene	6.799	105	2307	0.79	ug/L		93
100) sec-Butylbenzene	6.883	105	3283	0.83	ug/L		97
101) 4-Isopropyltoluene	7.007	119	2494	0.78	ug/L		91
102) 1,3-Dichlorobenzene	7.030	146	1652	0.95	ug/L		90
103) 1,2,3-Trimethylbenzene	7.137	105	2481	0.82	ug/L		95
104) 1,4-Dichlorobenzene	7.099	146	1602m	0.91	ug/L		
105) n-Butylbenzene	7.337	92	1135	0.77	ug/L		93
107) 1,2-Dichlorobenzene	7.422	146	1364	0.89	ug/L		90
109) Hexachlorobutadiene	8.507	225	417m	0.99	ug/L		
110) 1,2,4-Trichlorobenzene	8.500	180	622	0.84	ug/L		86
111) Naphthalene	8.707	128	980	0.94	ug/L		67
112) 1,2,3-Trichlorobenzene	8.831	180	548	0.98	ug/L		93

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59229.D
Acq On : 18 Sep 2024 8:10 am
Operator : jeniferw
Sample : IC3047-1 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 12:04:21 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration



Manual Integration Approval Summary

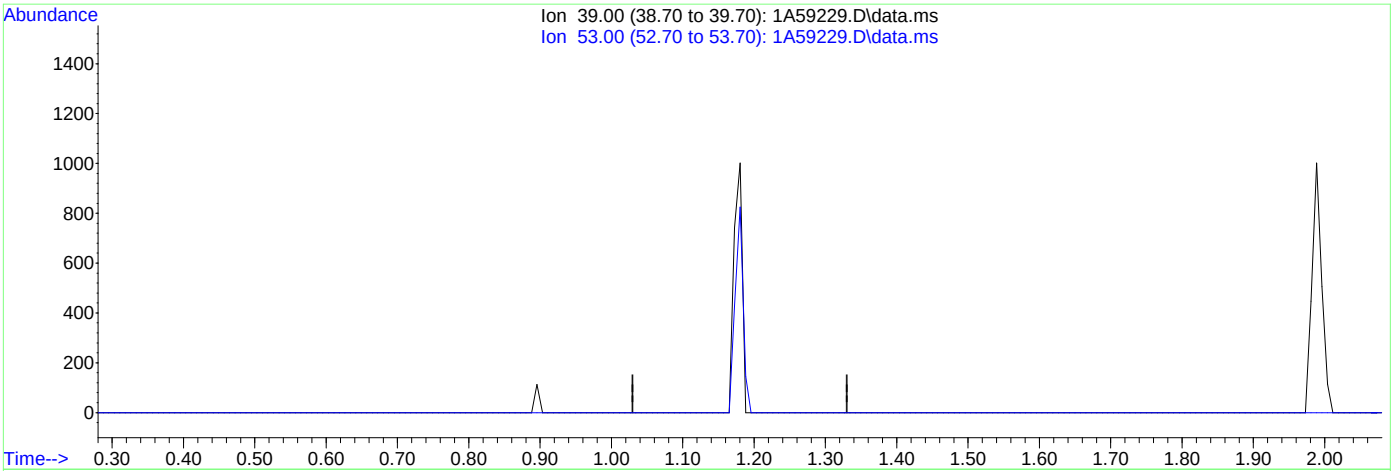
Sample Number: V1A3047-IC3047 **Method:** SW846 8260D
Lab FileID: 1A59229.D **Analyst approved:** 09/18/24 14:30 Jenifer Willis
Injection Time: 09/18/24 08:10 **Supervisor approved:** 09/18/24 15:09 Karen Watson

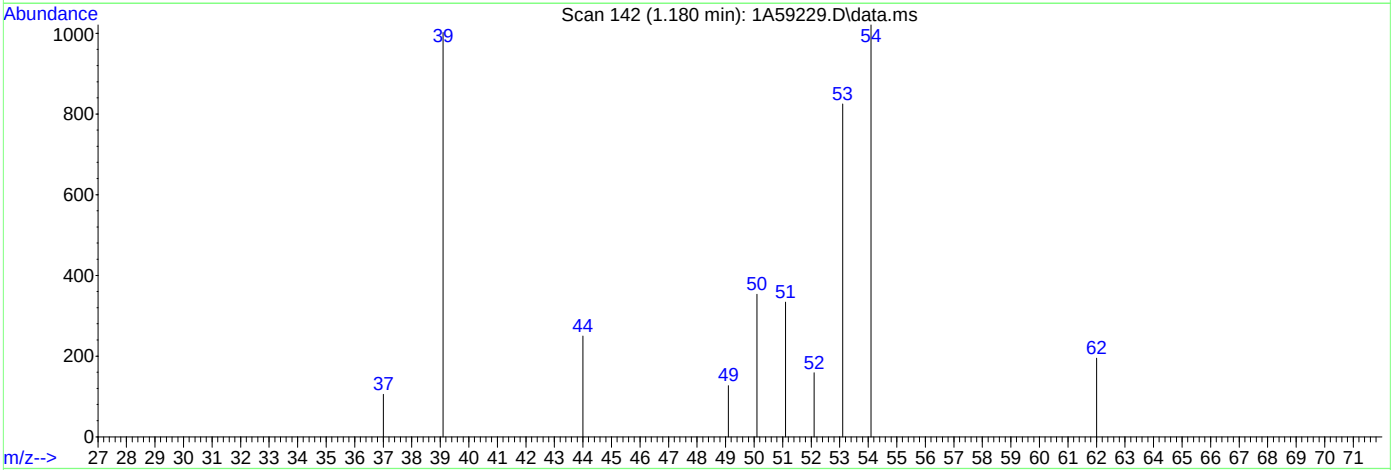
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,3-Butadiene	106-99-0		1.18	Missed peak
Methyl Bromide	74-83-9		1.34	Missed peak
Methyl Iodide	74-88-4		1.83	Missed peak
Acrolein	107-02-8		1.90	Missed peak
Bromochloromethane	74-97-5		2.82	Missed peak
Tert-Amyl Alcohol	75-85-4		3.24	Missed peak
2-Nitropropane	79-46-9		4.46	Missed peak
1,1,2-Trichloroethane	79-00-5		4.71	Missed peak
1-Chlorohexane	544-10-5		5.36	Poorly defined baseline
Ethylbenzene	100-41-4		5.39	Poorly defined baseline
Bromoform	75-25-2		5.84	Missed peak
1,2,3-Trichloropropane	96-18-4		6.46	Missed peak
1,4-Dichlorobenzene	106-46-7		7.10	Missed peak
Hexachlorobutadiene	87-68-3		8.51	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59229.D
Acq On : 18 Sep 2024 8:10 am
Operator : jeniferw
Sample : IC3047-1 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 11:46:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59229.D\data.ms

(4) 1,3-butadiene

1.180min (-1.180) 0.00ug/L

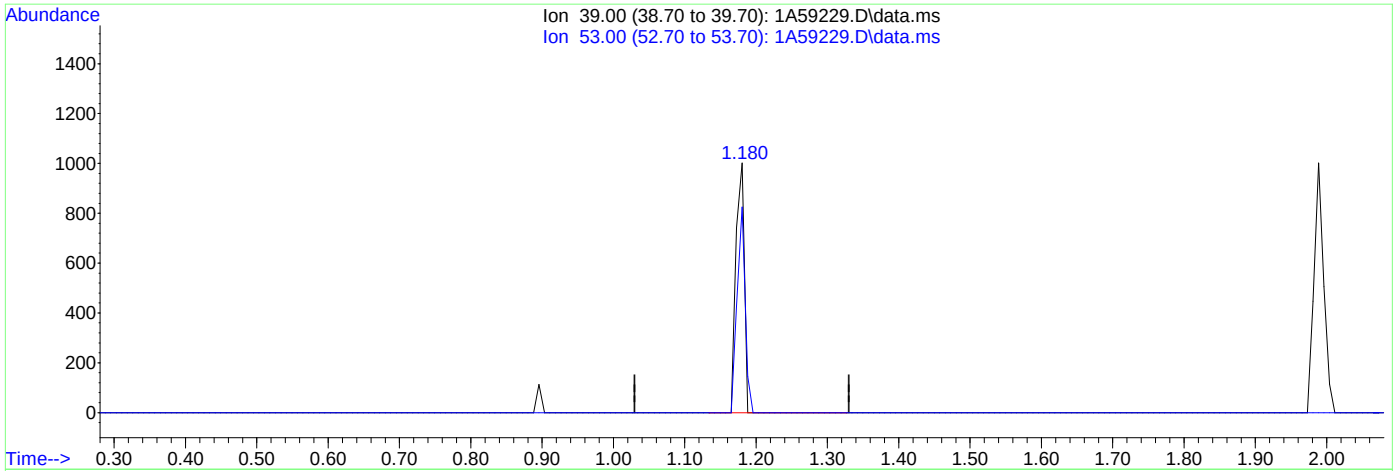
response 0

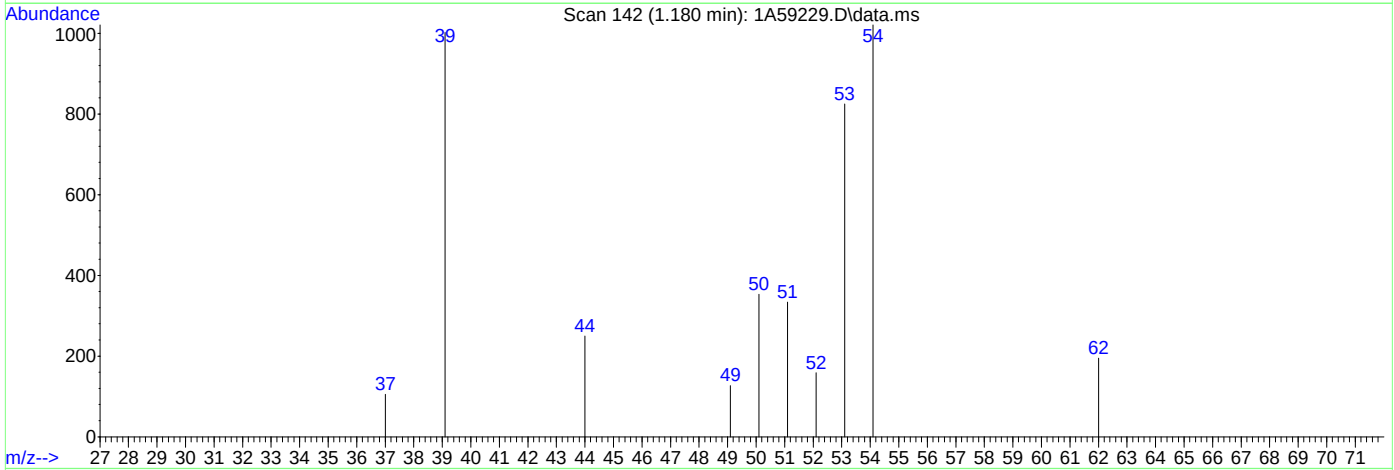
Ion	Exp%	Act%
39.00	100	0.00
53.00	71.20	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59229.D
Acq On : 18 Sep 2024 8:10 am
Operator : jeniferw
Sample : IC3047-1 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 11:46:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59229.D\data.ms

(4) 1,3-butadiene

1.180min (+0.000) 0.67ug/L m

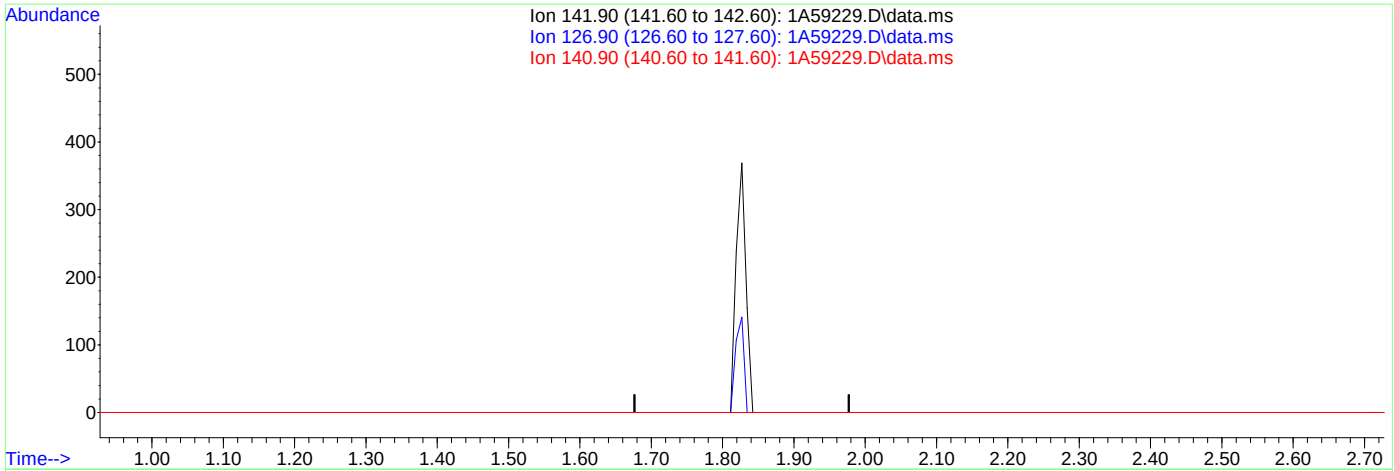
response 806

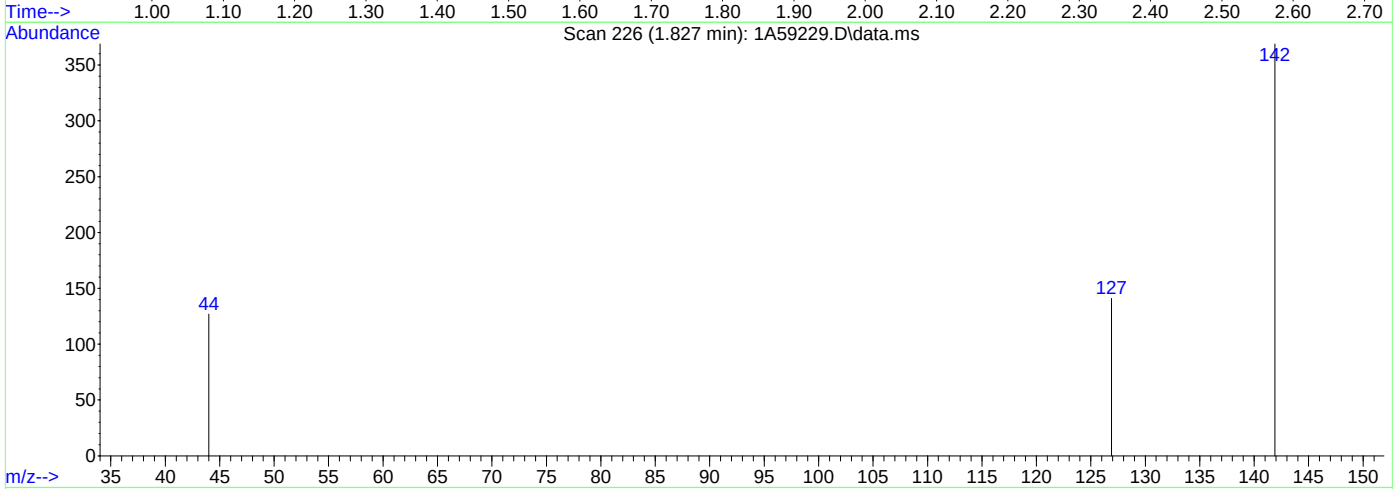
Ion	Exp%	Act%
39.00	100	100
53.00	71.20	82.34
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59229.D
Acq On : 18 Sep 2024 8:10 am
Operator : jeniferw
Sample : IC3047-1 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 11:46:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59229.D\data.ms

(15) Iodomethane

1.827min (-1.827) 0.00ug/L

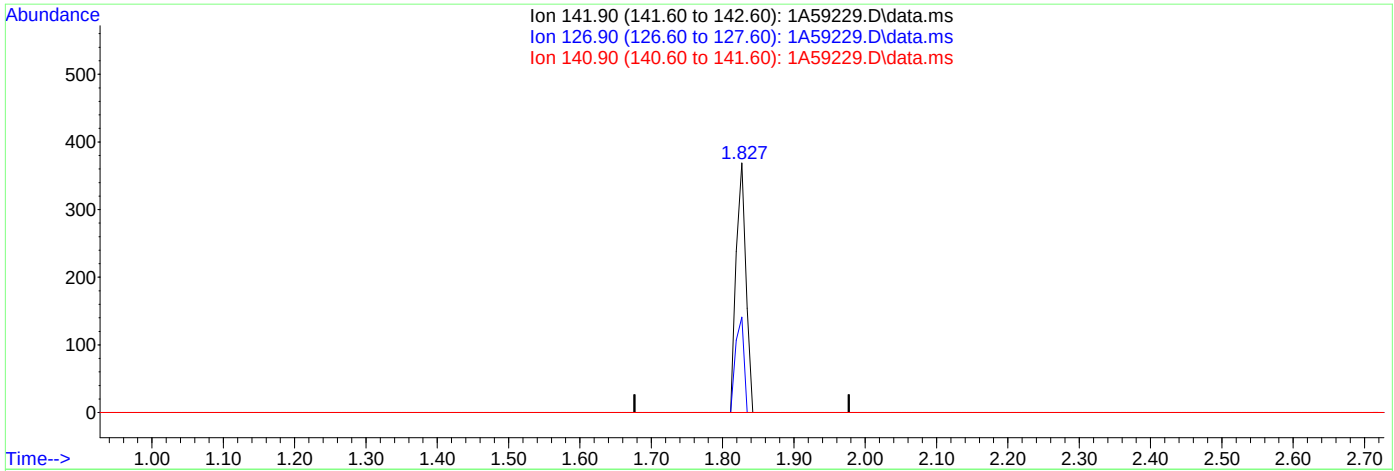
response 0

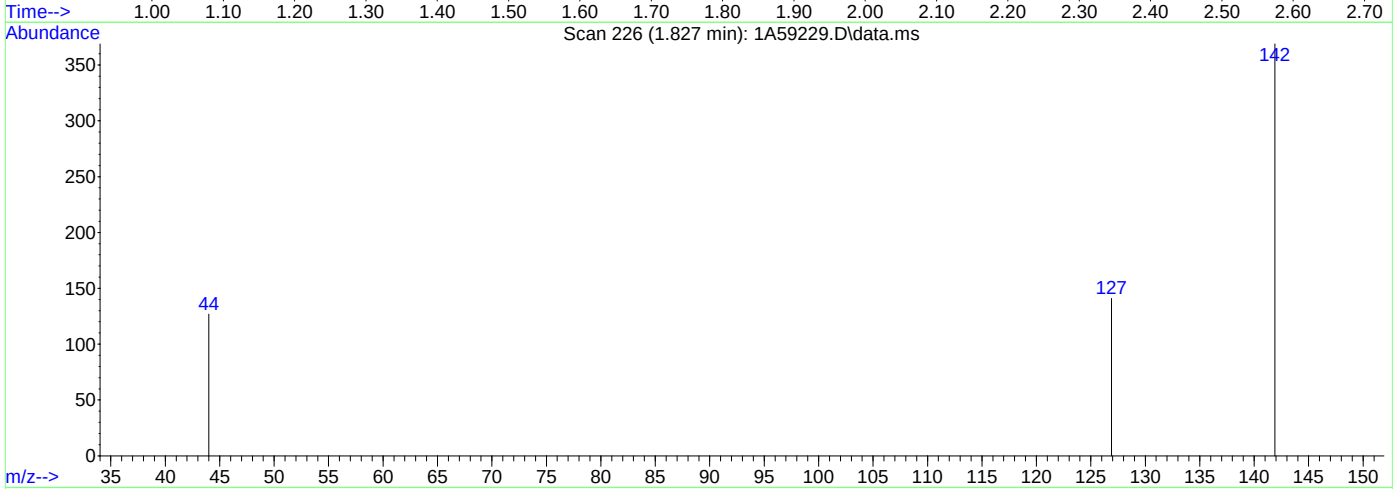
Ion	Exp%	Act%
141.90	100	0.00
126.90	44.30	0.00#
140.90	13.70	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59229.D
Acq On : 18 Sep 2024 8:10 am
Operator : jeniferw
Sample : IC3047-1 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 11:46:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59229.D\data.ms

(15) Iodomethane

1.827min (-0.000) 0.59ug/L m

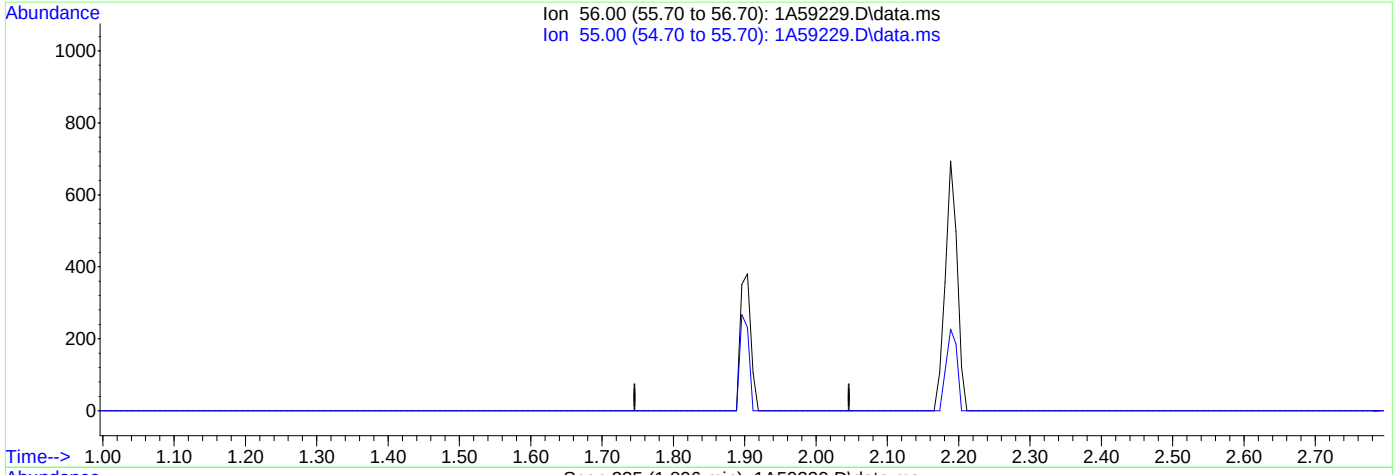
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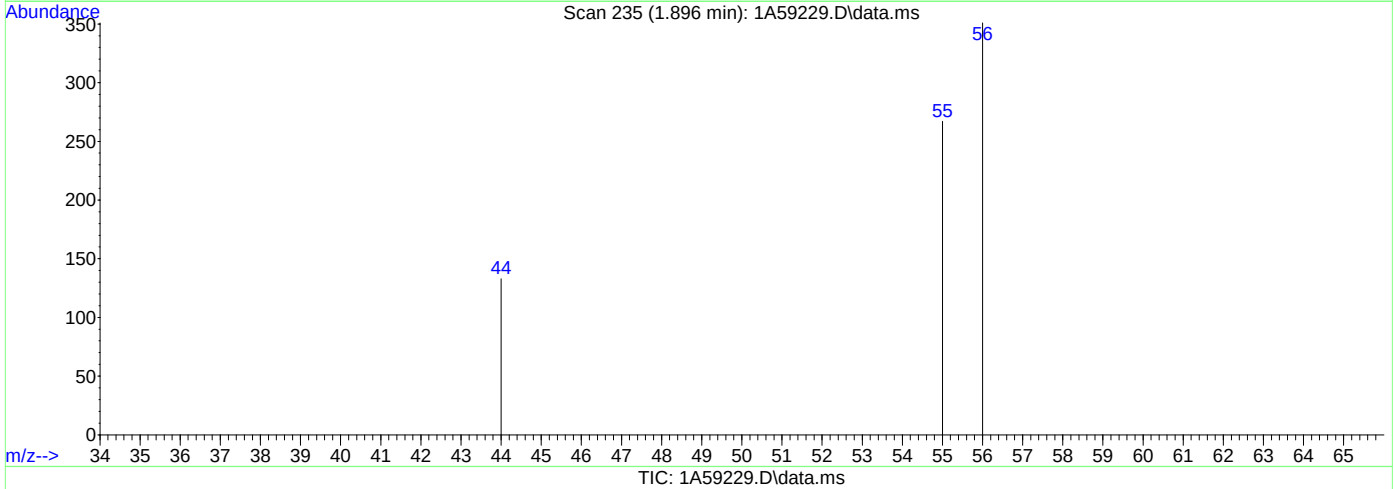
Ion	Exp%	Act%
141.90	100	100
126.90	44.30	38.21
140.90	13.70	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59229.D
Acq On : 18 Sep 2024 8:10 am
Operator : jeniferw
Sample : IC3047-1 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 11:46:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59229.D\data.ms

(16) Acrolein

1.896min (-1.896) 0.00ug/L

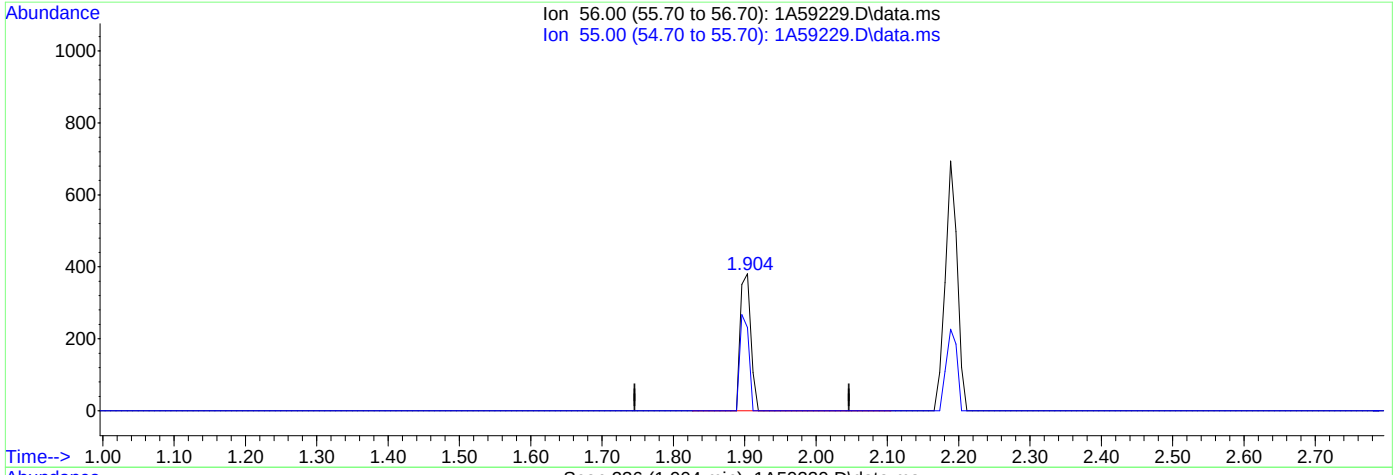
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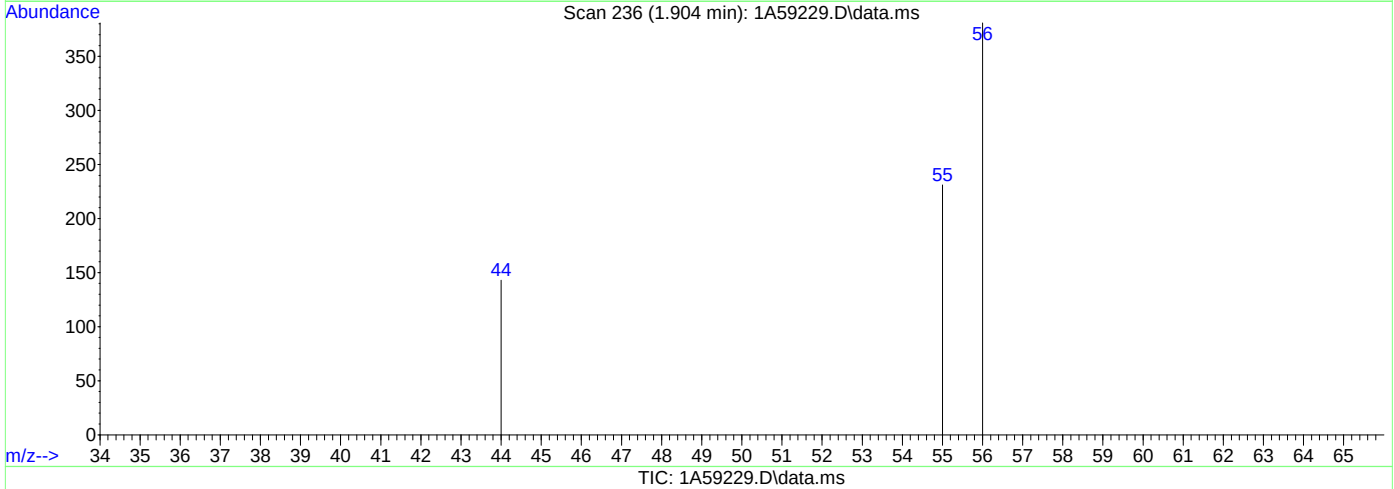
Ion	Exp%	Act%
56.00	100	0.00
55.00	71.70	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59229.D
Acq On : 18 Sep 2024 8:10 am
Operator : jeniferw
Sample : IC3047-1 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 11:46:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59229.D\data.ms

(16) Acrolein

1.904min (+0.008) 2.90ug/L m

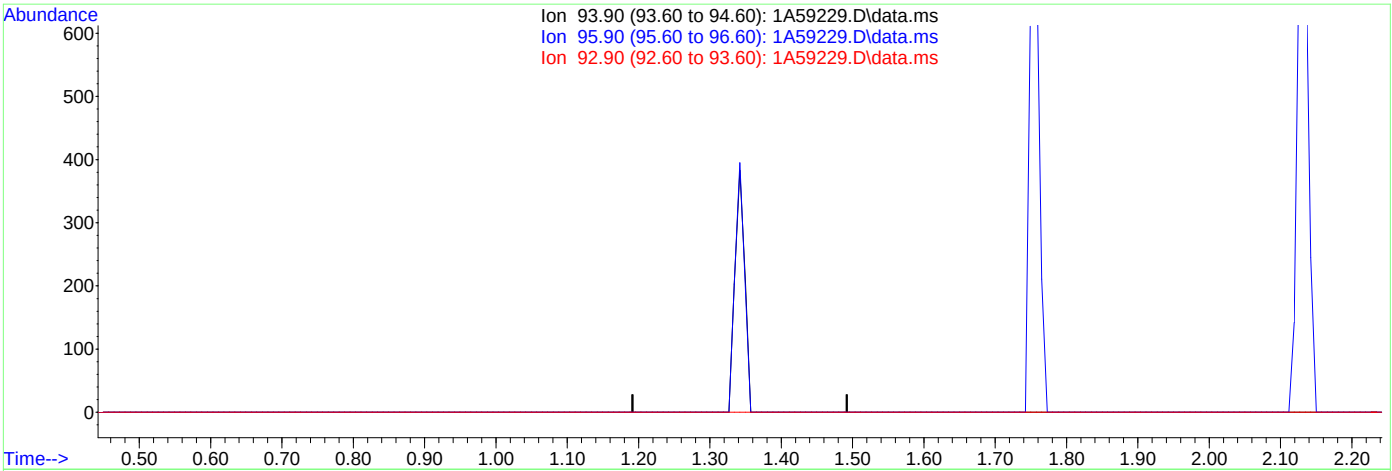
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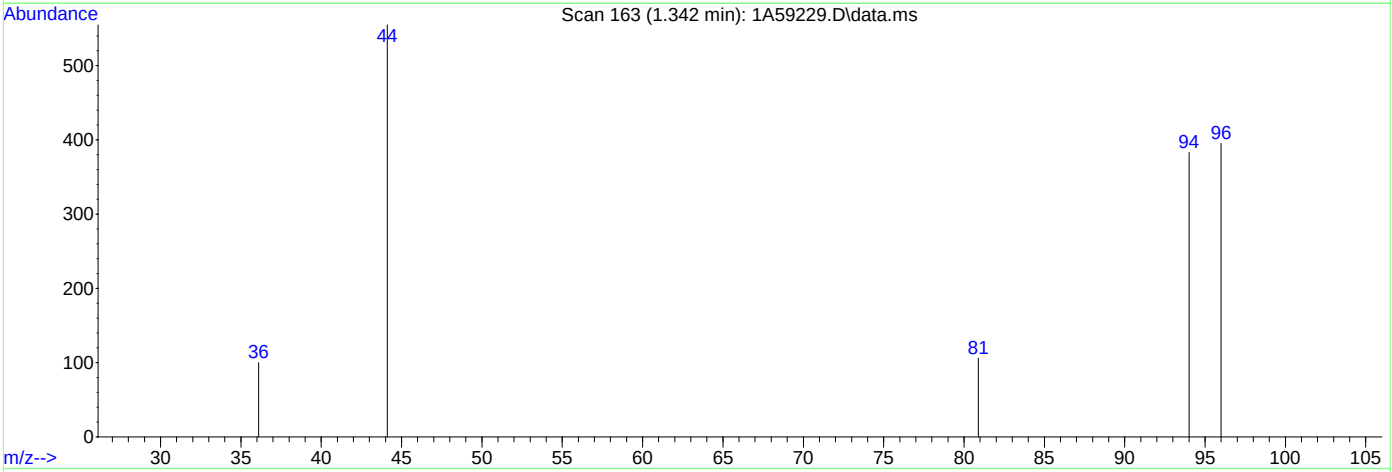
Ion	Exp%	Act%
56.00	100	100
55.00	71.70	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59229.D
Acq On : 18 Sep 2024 8:10 am
Operator : jeniferw
Sample : IC3047-1 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 11:46:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59229.D\data.ms

(6) Bromomethane ( )

1.342min (-1.342) 0.00ug/L

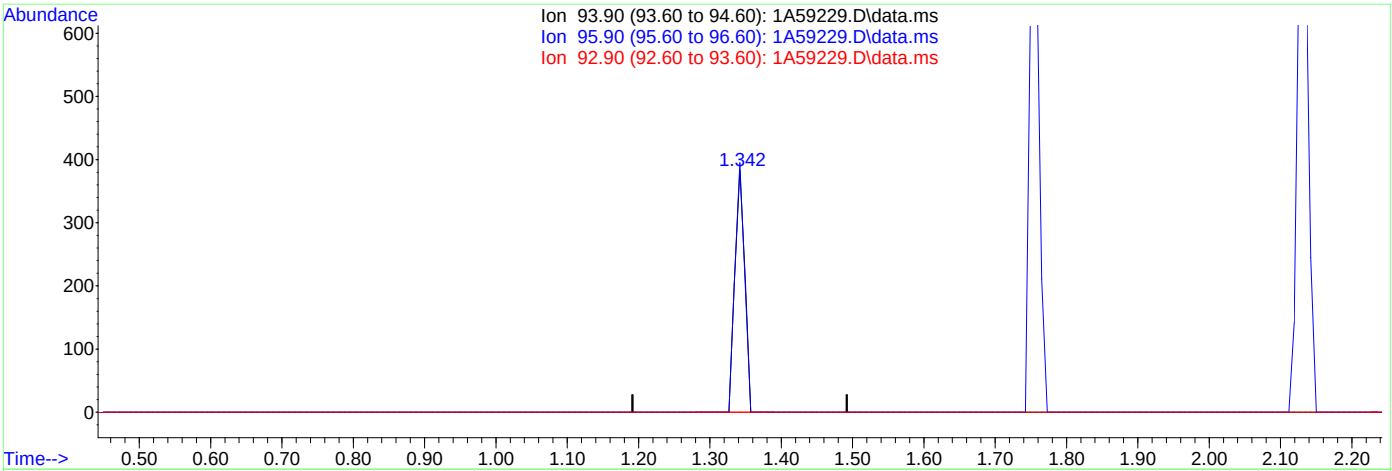
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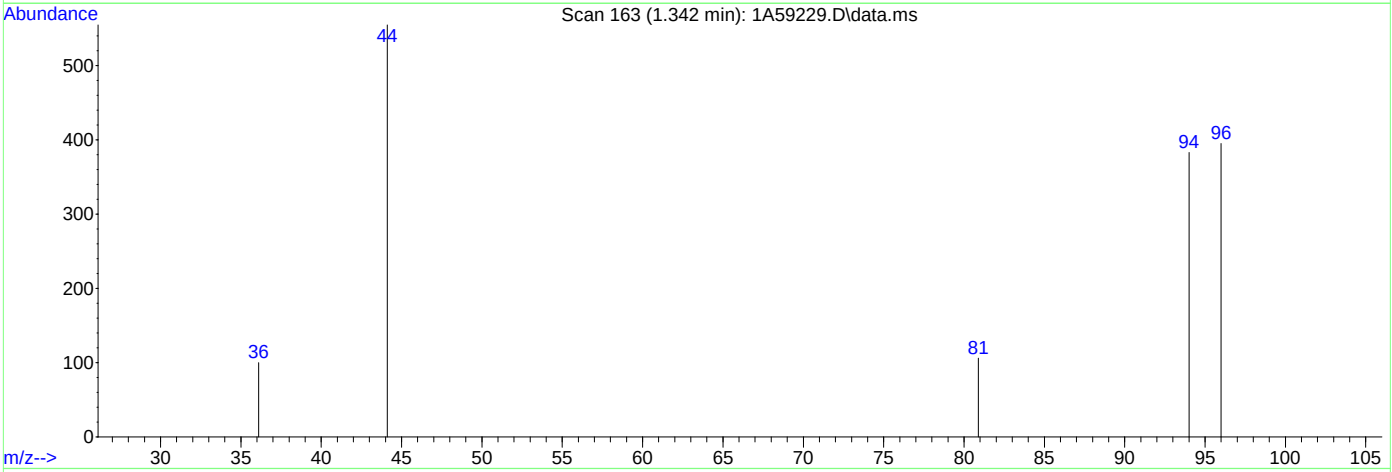
Ion	Exp%	Act%
93.90	100	0.00
95.90	94.10	0.00#
92.90	21.50	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59229.D
Acq On : 18 Sep 2024 8:10 am
Operator : jeniferw
Sample : IC3047-1 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 11:46:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59229.D\data.ms

(6) Bromomethane ( )

1.342min (+0.000) 0.70ug/L m

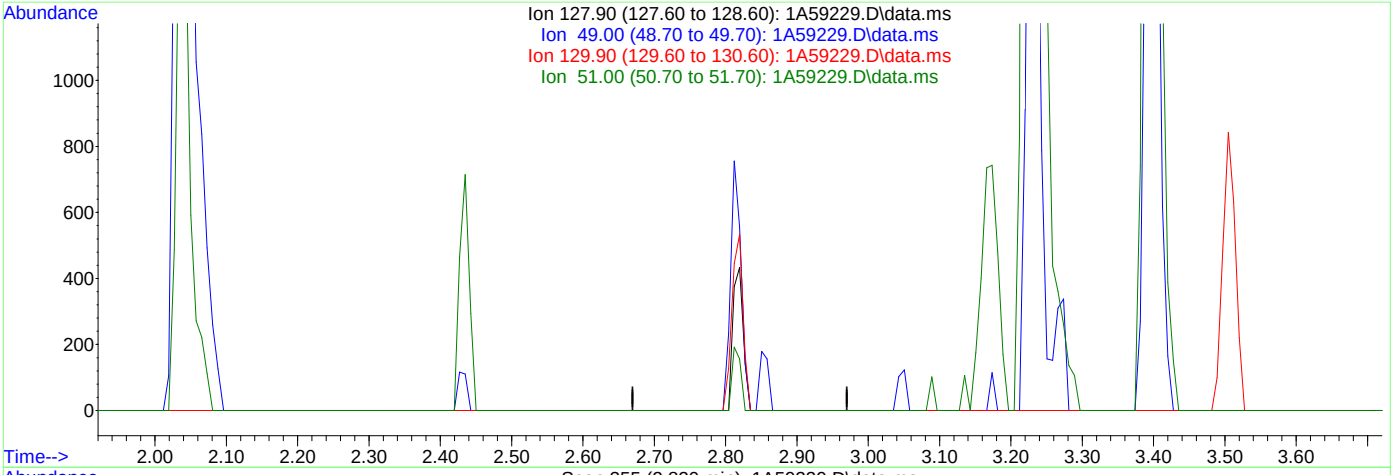
response 366

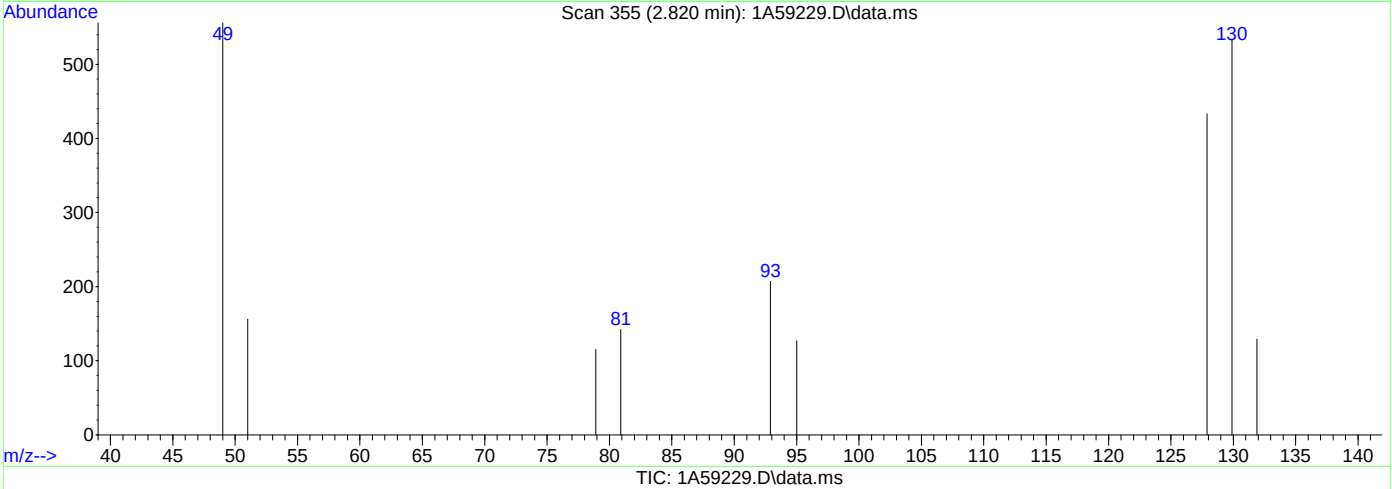
Ion	Exp%	Act%
93.90	100	100
95.90	94.10	103.13
92.90	21.50	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59229.D
Acq On : 18 Sep 2024 8:10 am
Operator : jeniferw
Sample : IC3047-1 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 11:46:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59229.D\data.ms

(34) Bromochloromethane ( )

2.820min (-2.820) 0.00ug/L

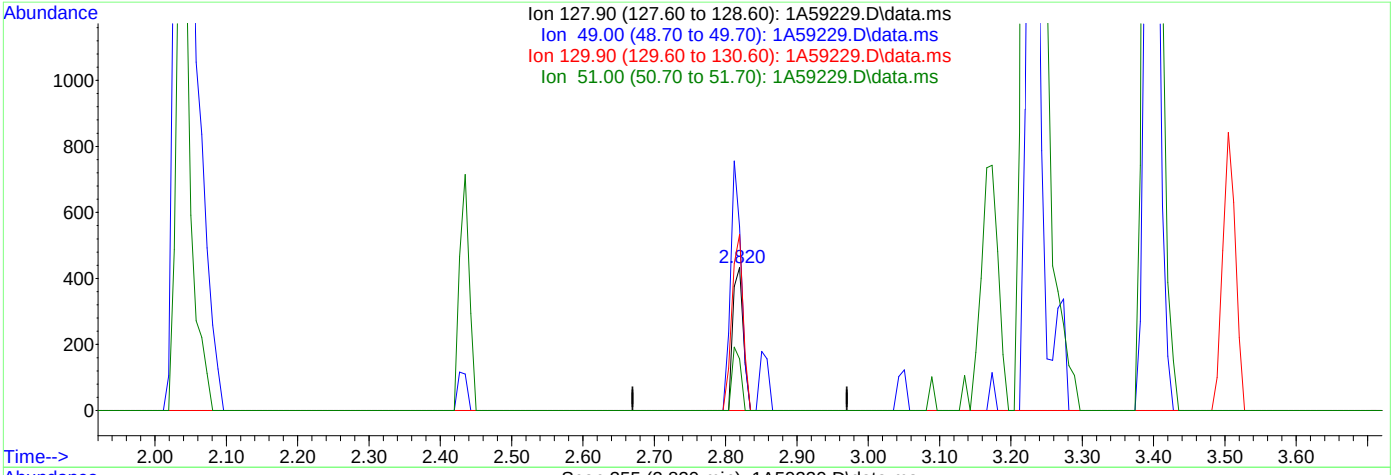
response 0

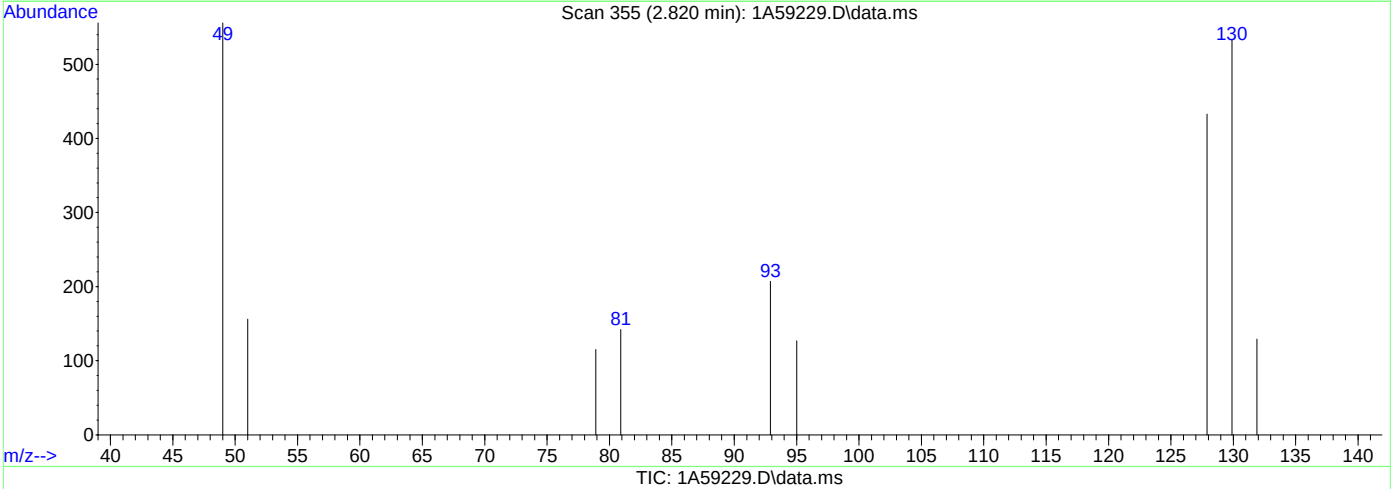
Ion	Exp%	Act%
127.90	100	0.00
49.00	163.10	0.00#
129.90	131.20	0.00#
51.00	50.20	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59229.D
Acq On : 18 Sep 2024 8:10 am
Operator : jeniferw
Sample : IC3047-1 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 11:46:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59229.D\data.ms

(34) Bromochloromethane ( )

2.820min (-0.000) 0.82ug/L m

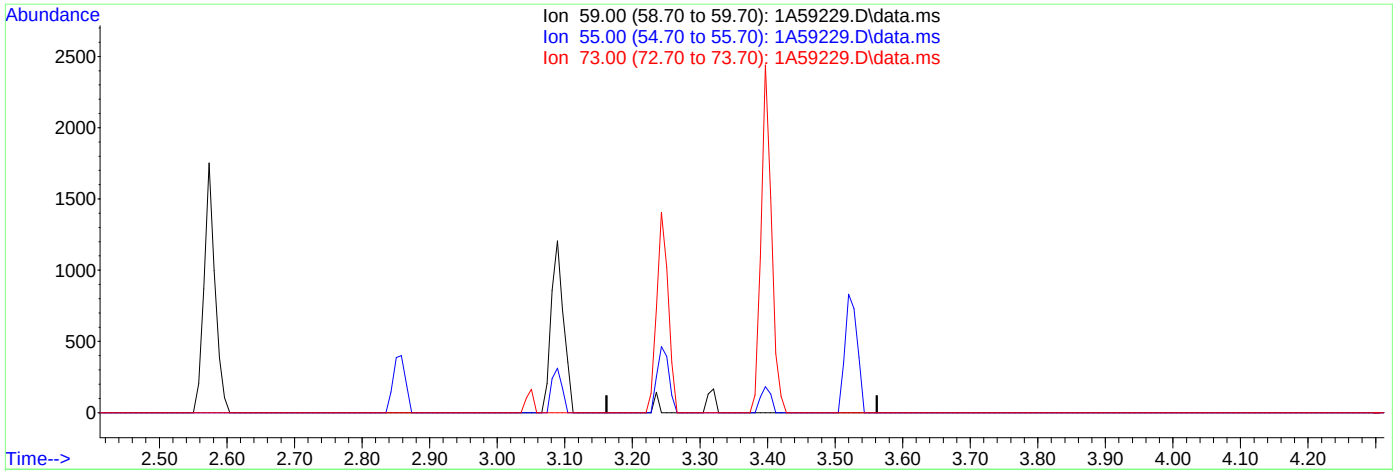
response 440

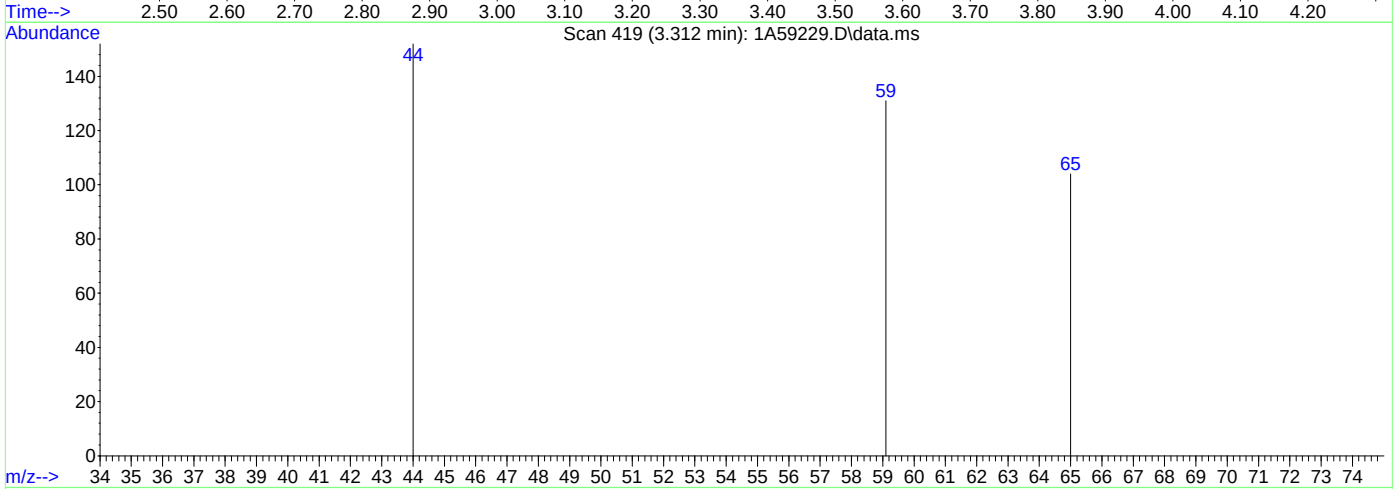
Ion	Exp%	Act%
127.90	100	100
49.00	163.10	128.41#
129.90	131.20	123.09
51.00	50.20	36.03

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59229.D
Acq On : 18 Sep 2024 8:10 am
Operator : jeniferw
Sample : IC3047-1 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 11:46:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59229.D\data.ms

(52) Tert Amyl Alcohol

3.312min (-3.312) 0.00ug/L

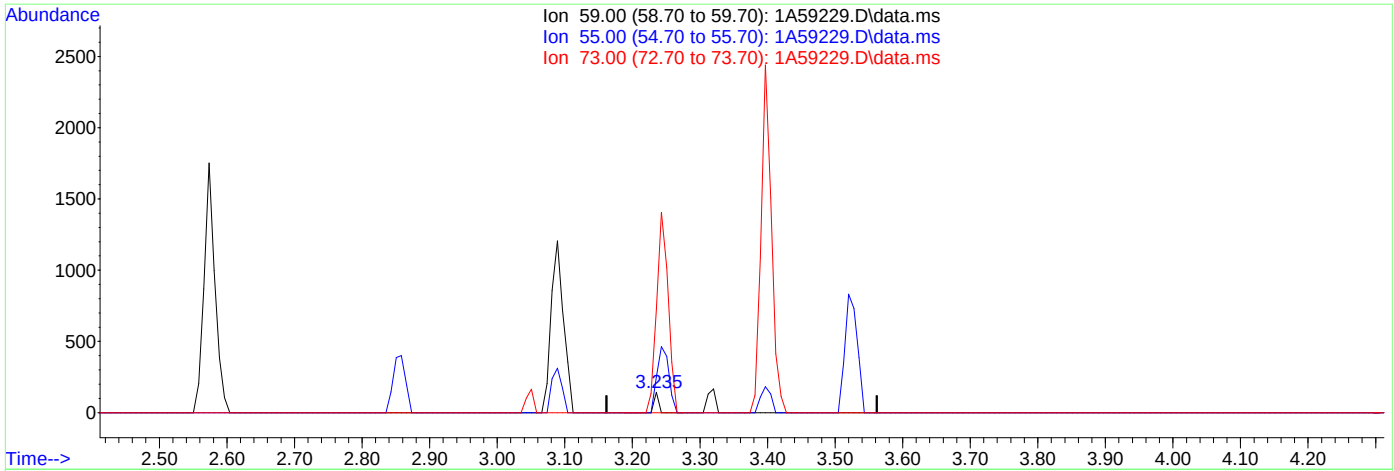
response 0

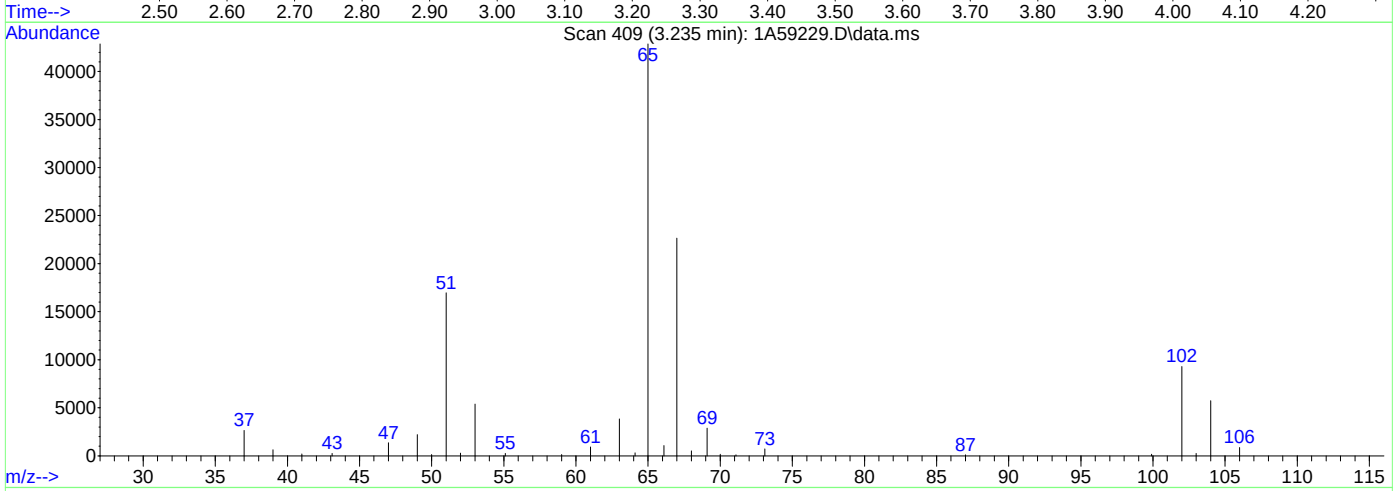
Ion	Exp%	Act%
59.00	100	0.00
55.00	59.30	0.00#
73.00	58.70	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59229.D
Acq On : 18 Sep 2024 8:10 am
Operator : jeniferw
Sample : IC3047-1 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 11:46:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59229.D\data.ms

(52) Tert Amyl Alcohol

3.235min (-0.077) 1.83ug/L m

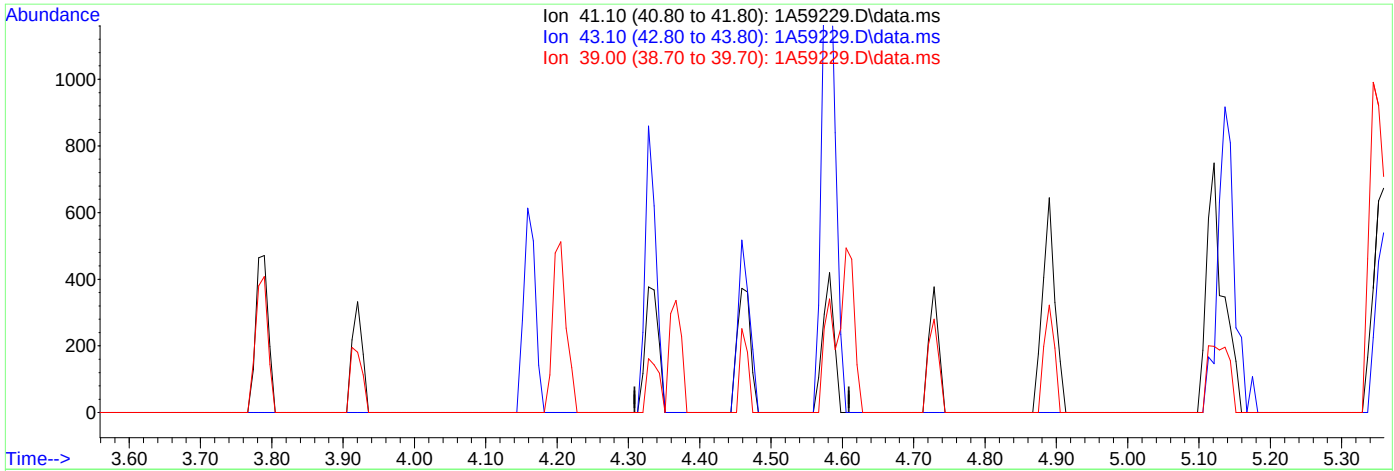
response 66

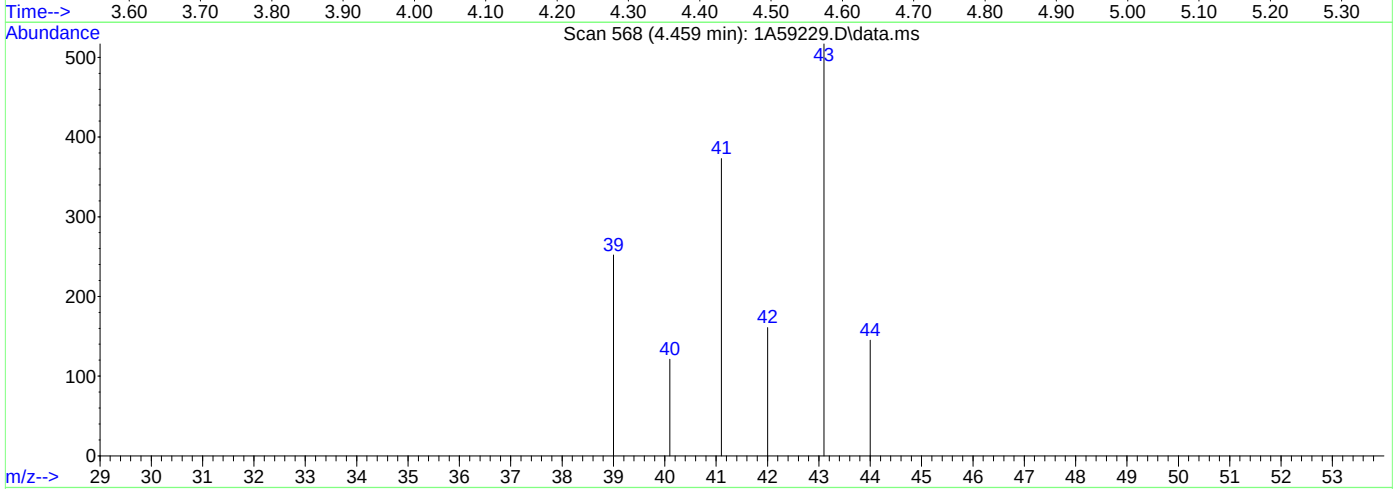
Ion	Exp%	Act%
59.00	100	100
55.00	59.30	176.76#
73.00	58.70	510.56#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59229.D
Acq On : 18 Sep 2024 8:10 am
Operator : jeniferw
Sample : IC3047-1 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 11:46:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59229.D\data.ms

(65) 2-Nitropropane

4.459min (-4.459) 0.00ug/L

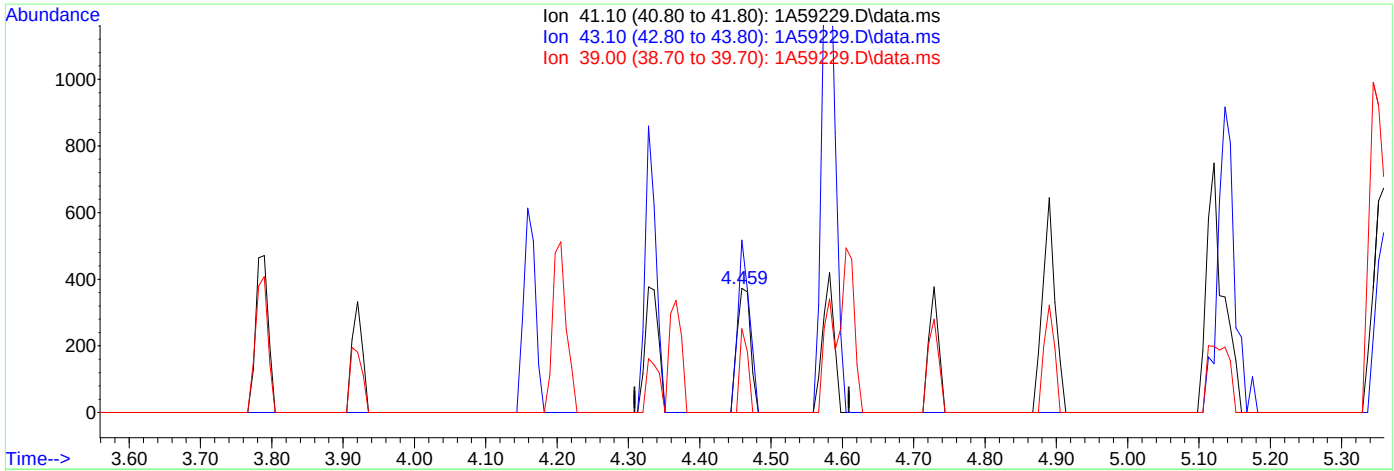
response 0

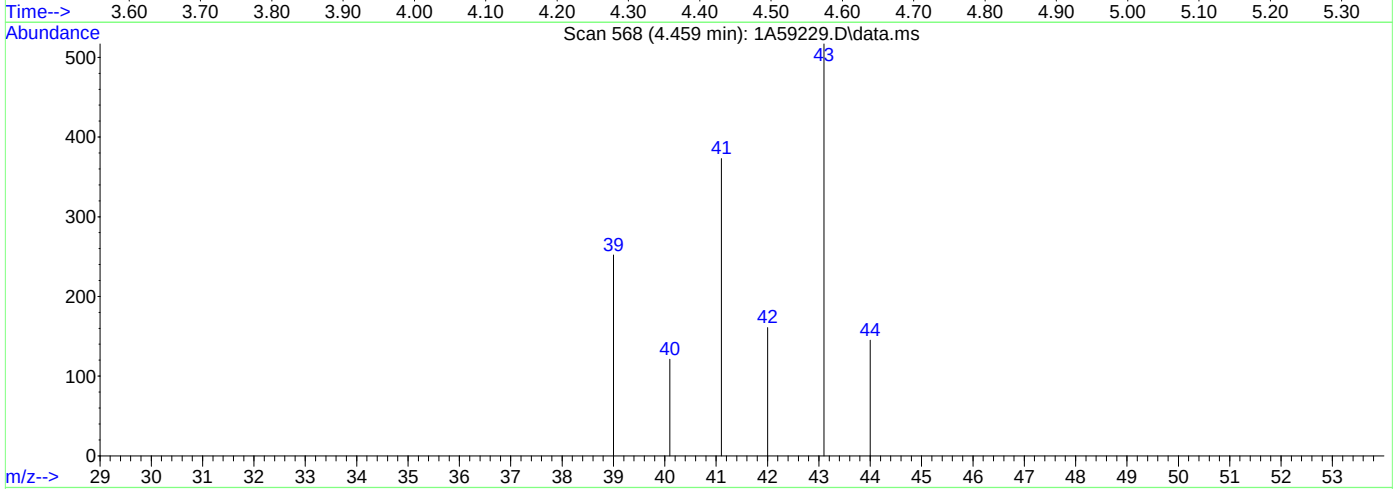
Ion	Exp%	Act%
41.10	100	0.00
43.10	111.50	0.00#
39.00	37.80	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59229.D
Acq On : 18 Sep 2024 8:10 am
Operator : jeniferw
Sample : IC3047-1 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 11:46:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59229.D\data.ms

(65) 2-Nitropropane

4.459min (+0.000) 3.58ug/L m

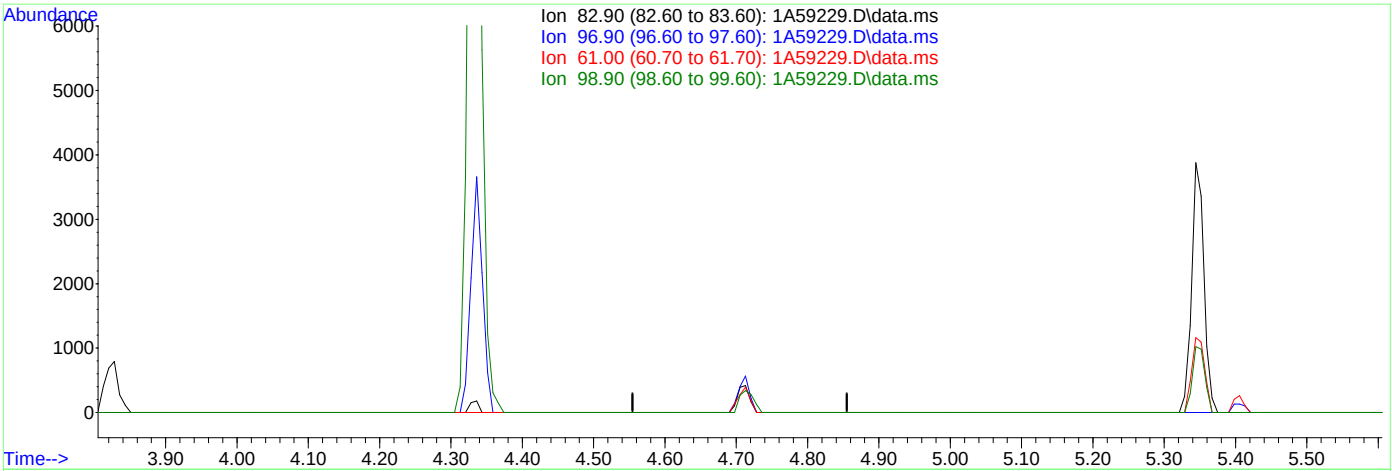
response 496

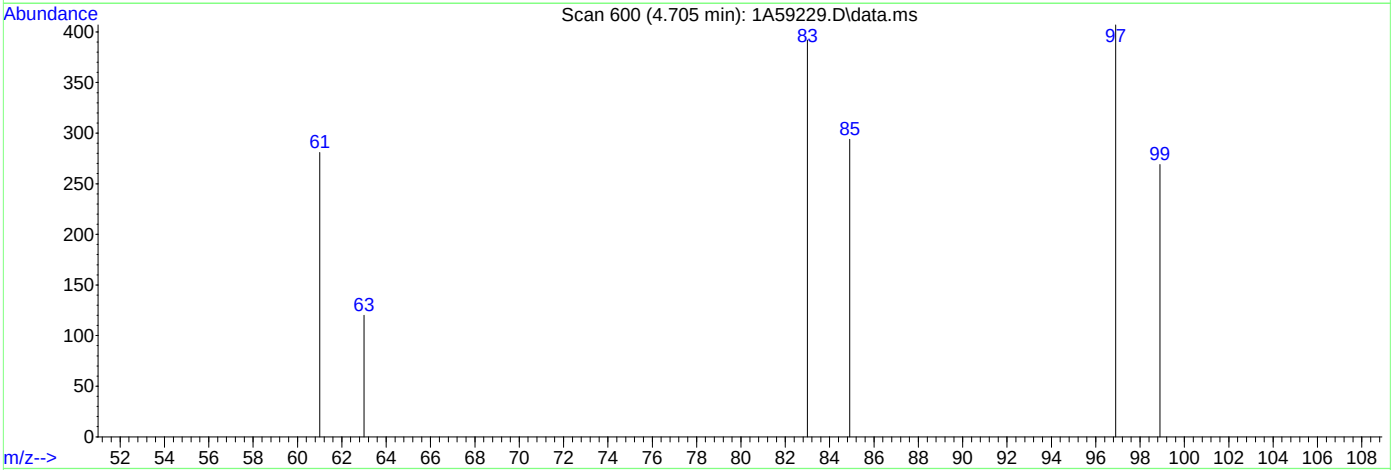
Ion	Exp%	Act%
41.10	100	100
43.10	111.50	138.61#
39.00	37.80	67.56#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59229.D
Acq On : 18 Sep 2024 8:10 am
Operator : jeniferw
Sample : IC3047-1 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 11:46:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59229.D\data.ms

(70) 1,1,2-Trichloroethane ( )

4.705min (-4.705) 0.00ug/L

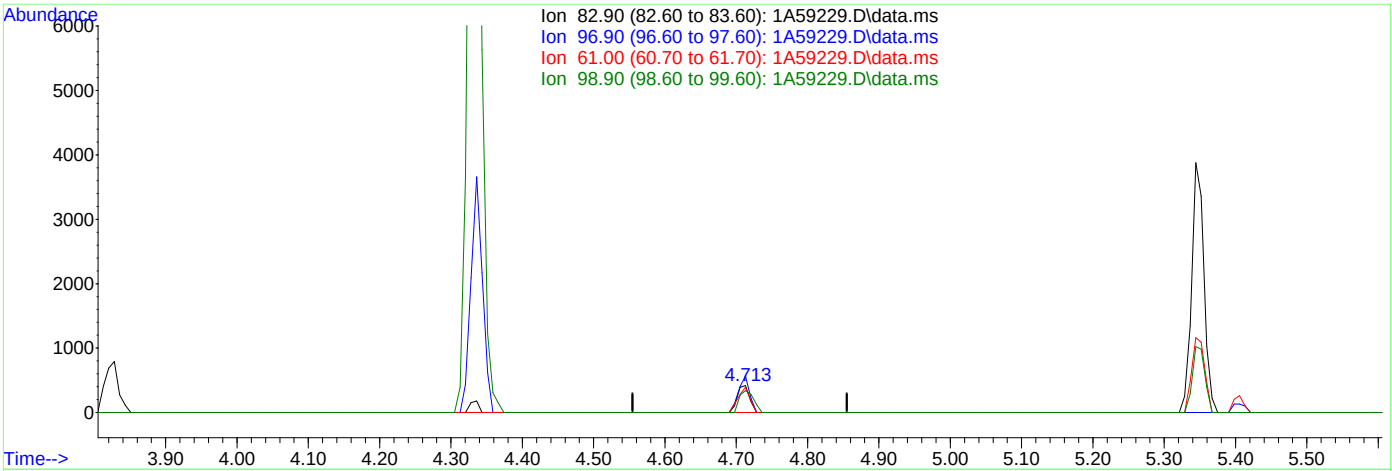
response 0

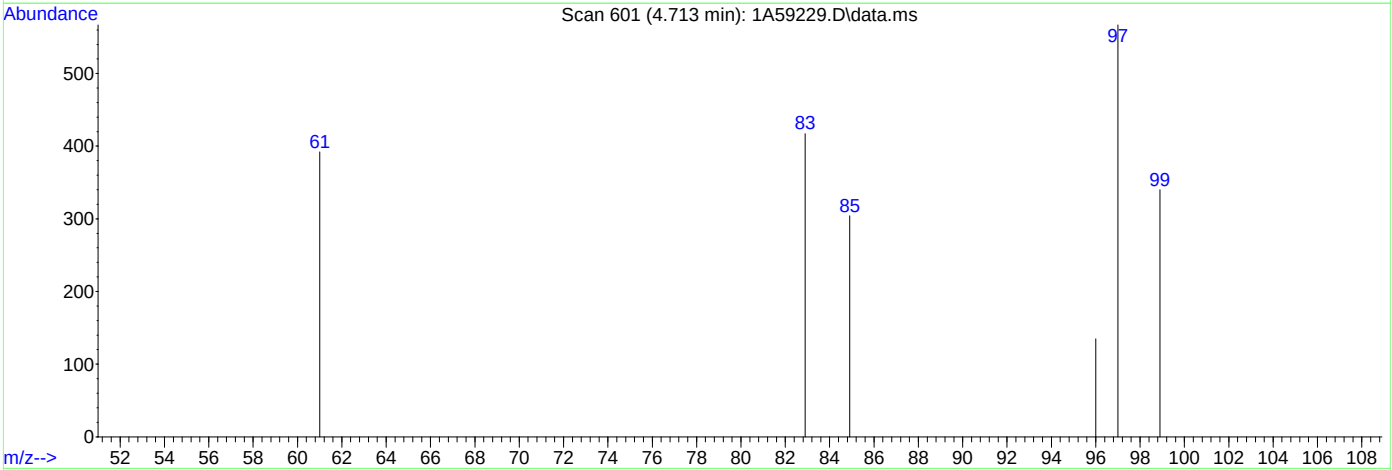
Ion	Exp%	Act%
82.90	100	0.00
96.90	113.30	0.00#
61.00	79.50	0.00#
98.90	69.10	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59229.D
Acq On : 18 Sep 2024 8:10 am
Operator : jeniferw
Sample : IC3047-1 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 11:46:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59229.D\data.ms

(70) 1,1,2-Trichloroethane ( )

4.713min (+0.008) 0.81ug/L m

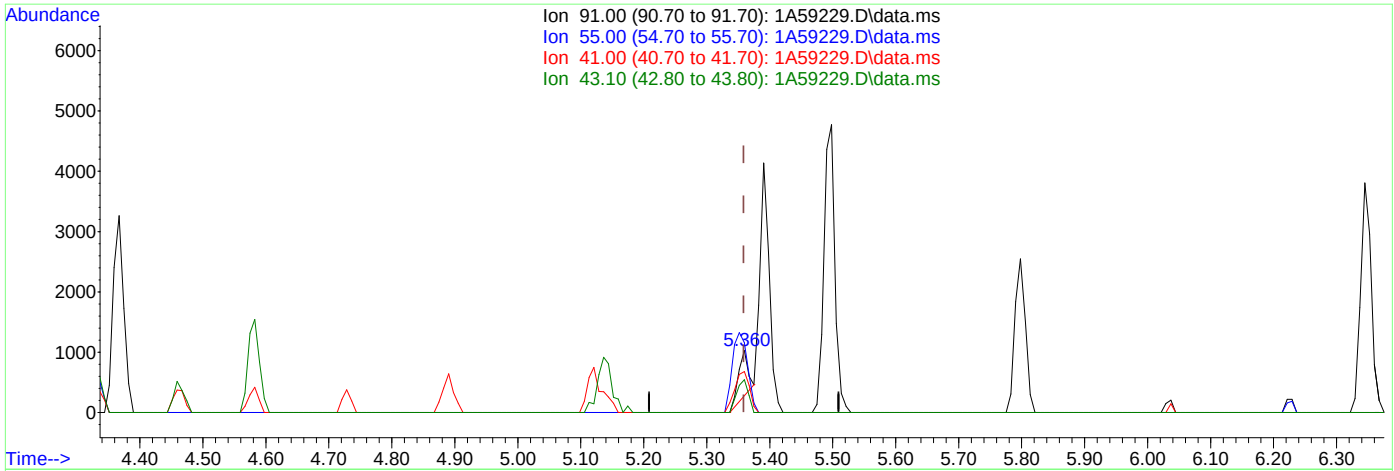
response 498

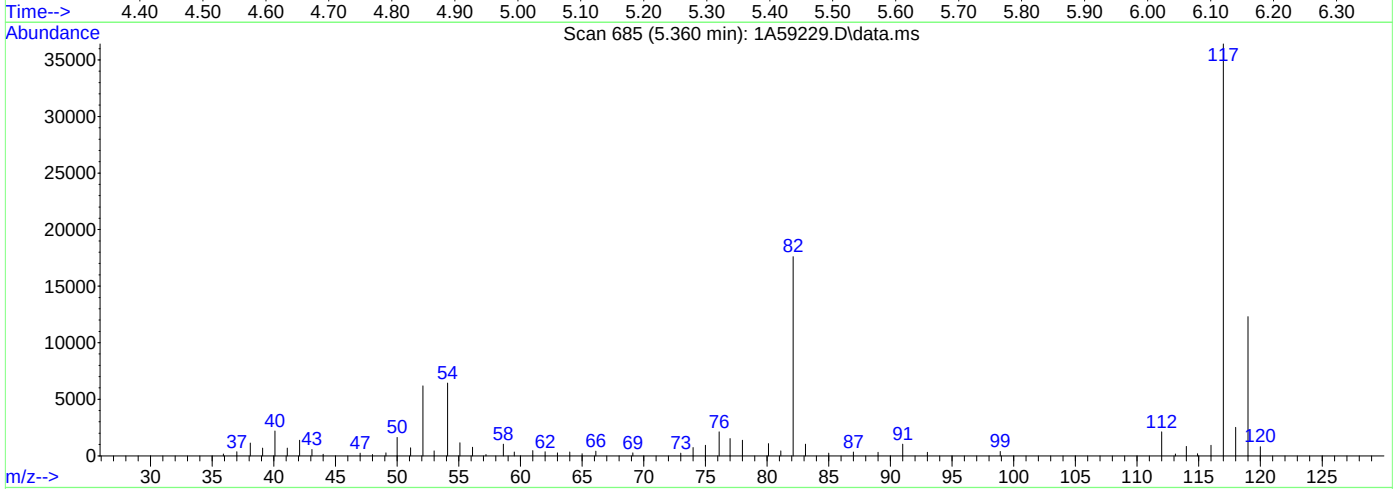
Ion	Exp%	Act%
82.90	100	100
96.90	113.30	135.97
61.00	79.50	94.00
98.90	69.10	81.53

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59229.D
Acq On : 18 Sep 2024 8:10 am
Operator : jeniferw
Sample : IC3047-1 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 11:46:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59229.D\data.ms

(76) 1-Chlorohexane

5.360min (+0.001) 0.57ug/L

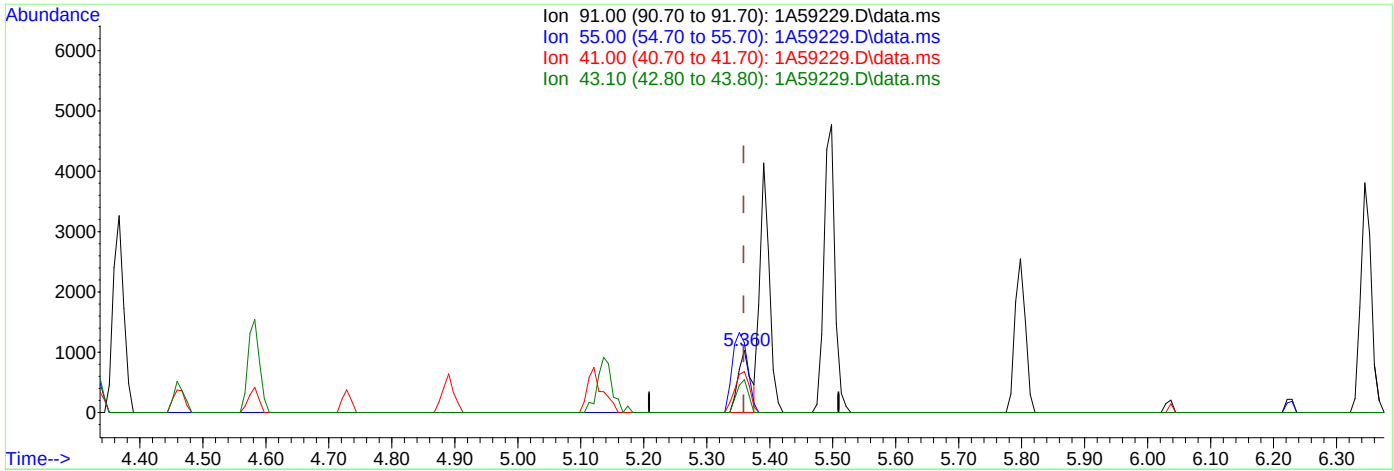
response 884

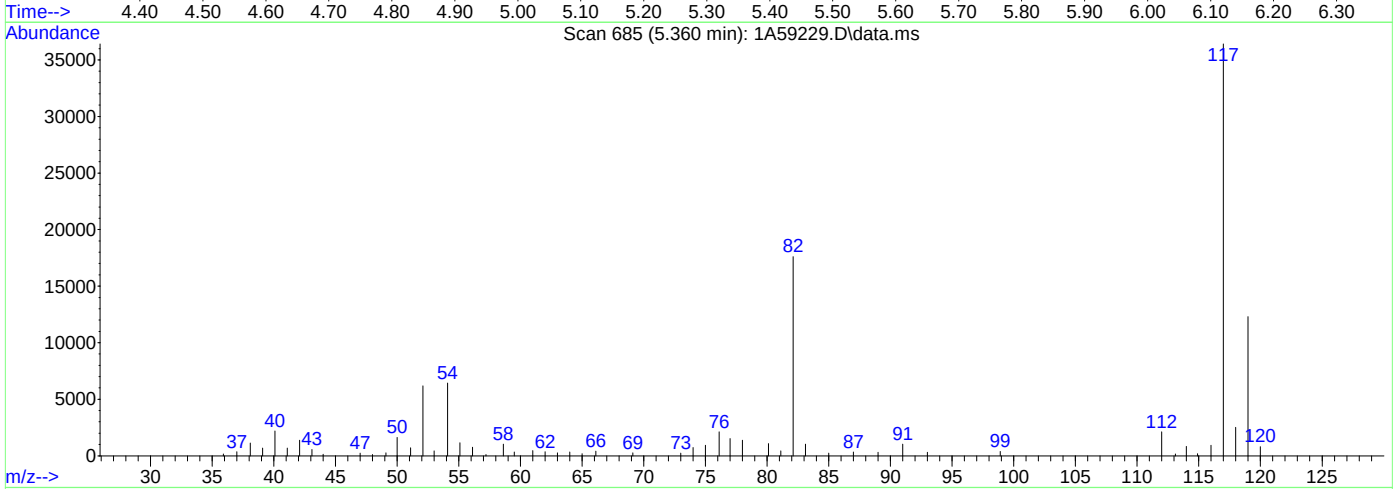
Ion	Exp%	Act%
91.00	100	100
55.00	77.50	96.98
41.00	62.80	55.74
43.10	51.70	53.11

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59229.D
Acq On : 18 Sep 2024 8:10 am
Operator : jeniferw
Sample : IC3047-1 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 11:46:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59229.D\data.ms

(76) 1-Chlorohexane

5.360min (+0.001) 0.91ug/L m

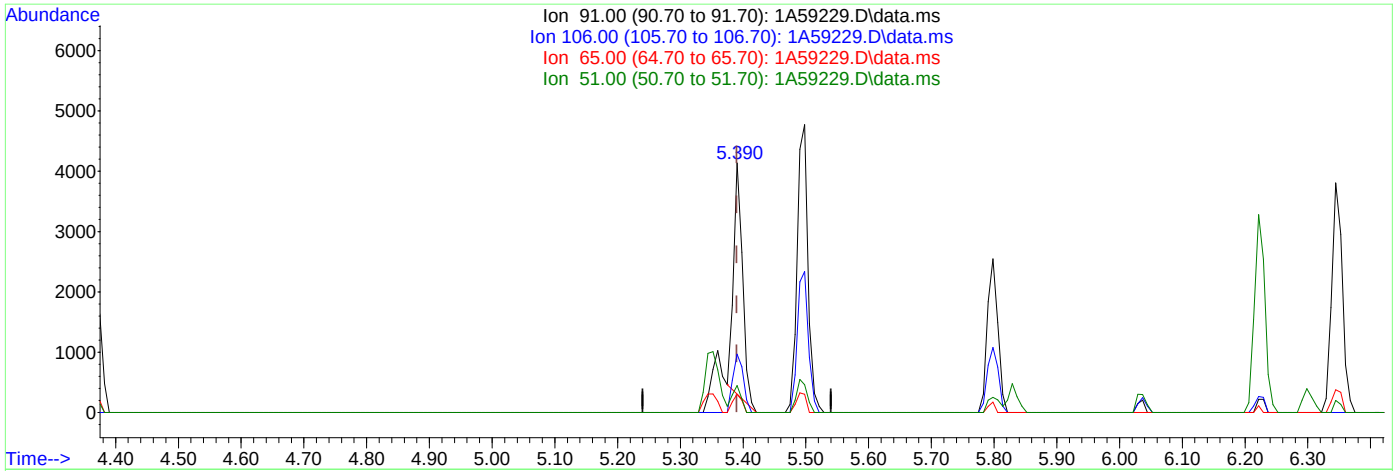
response 1420

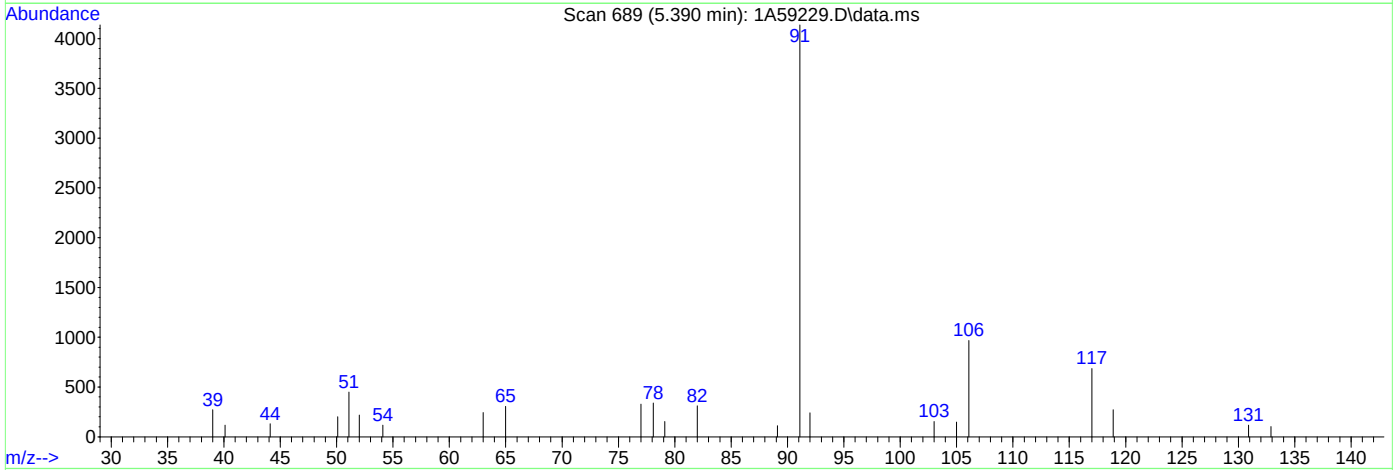
Ion	Exp%	Act%
91.00	100	100
55.00	77.50	112.55#
41.00	62.80	65.95
43.10	51.70	53.11

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59229.D
Acq On : 18 Sep 2024 8:10 am
Operator : jeniferw
Sample : IC3047-1 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 11:46:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59229.D\data.ms

(77) Ethylbenzene

5.390min (+0.000) 0.82ug/L

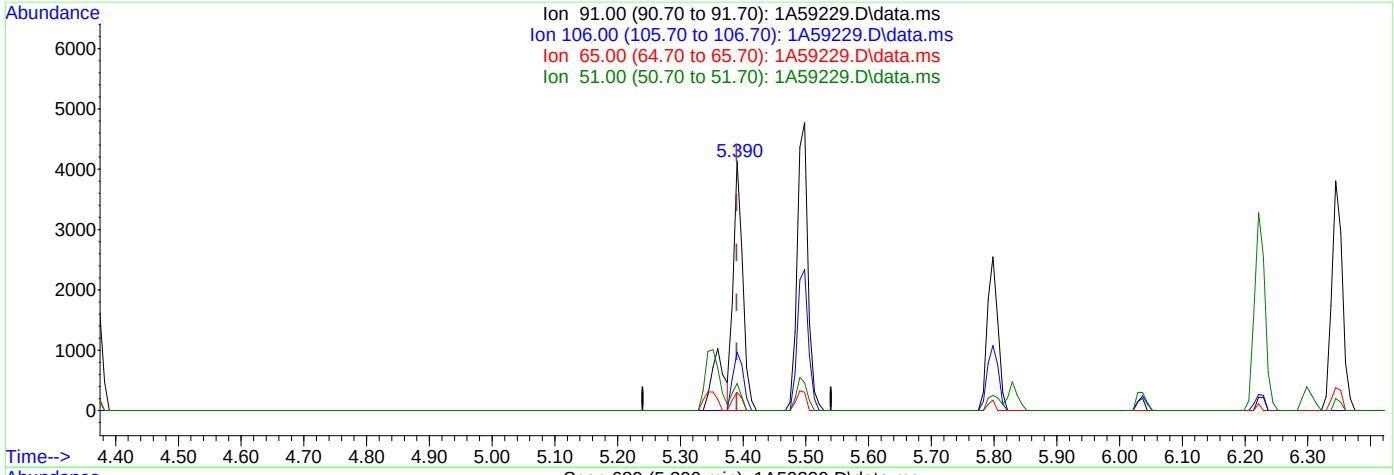
response 3722

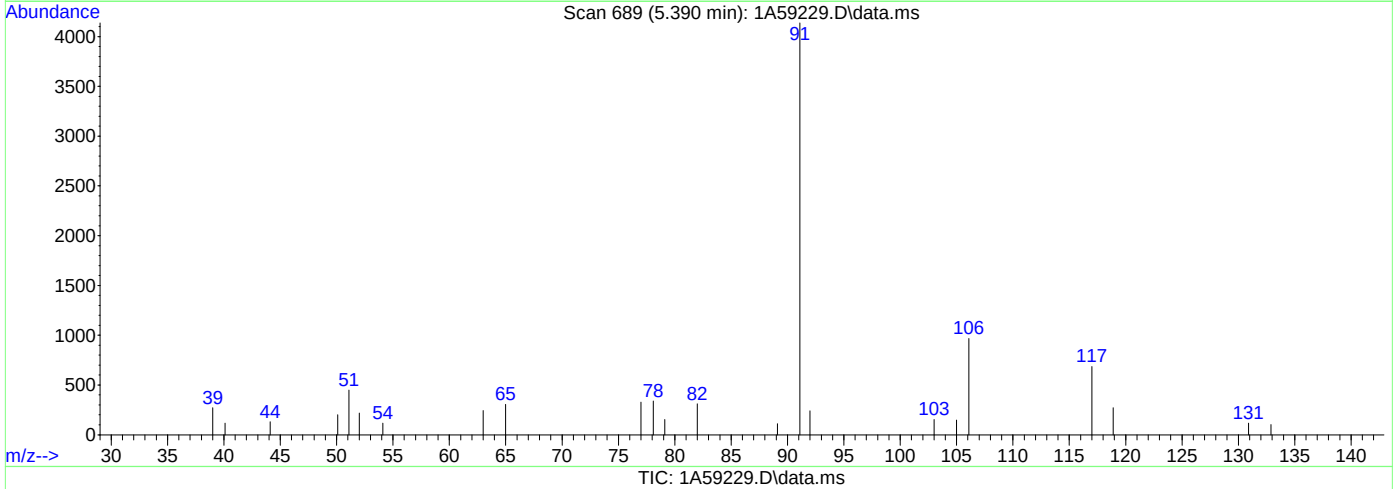
Ion	Exp%	Act%
91.00	100	100
106.00	29.70	23.39
65.00	9.20	7.39
51.00	10.90	10.85

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59229.D
Acq On : 18 Sep 2024 8:10 am
Operator : jeniferw
Sample : IC3047-1 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 11:46:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59229.D\data.ms

(77) Ethylbenzene

5.390min (+0.000) 0.96ug/L m

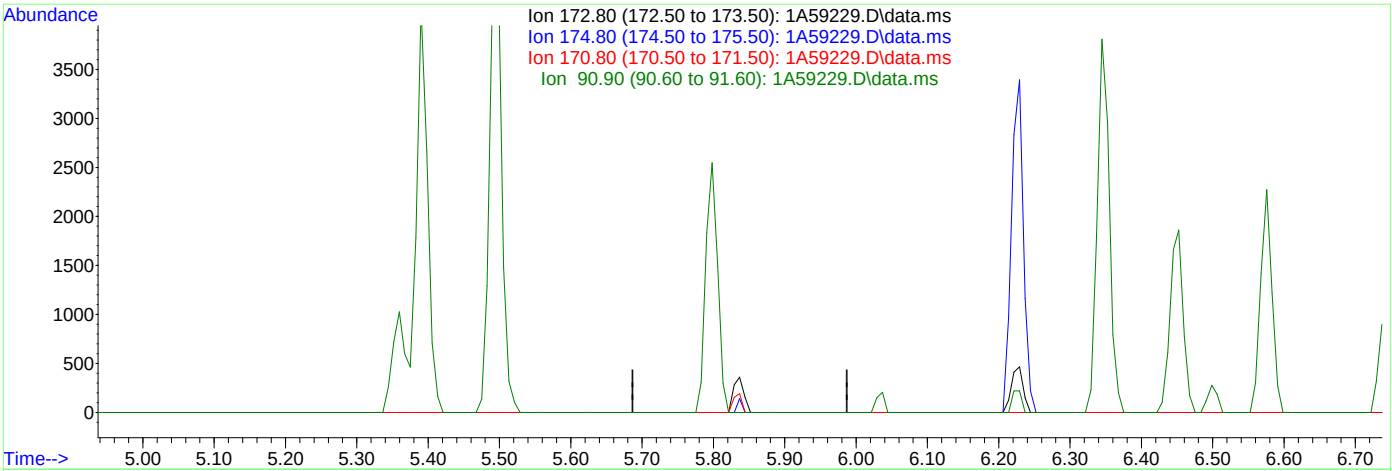
response 4364

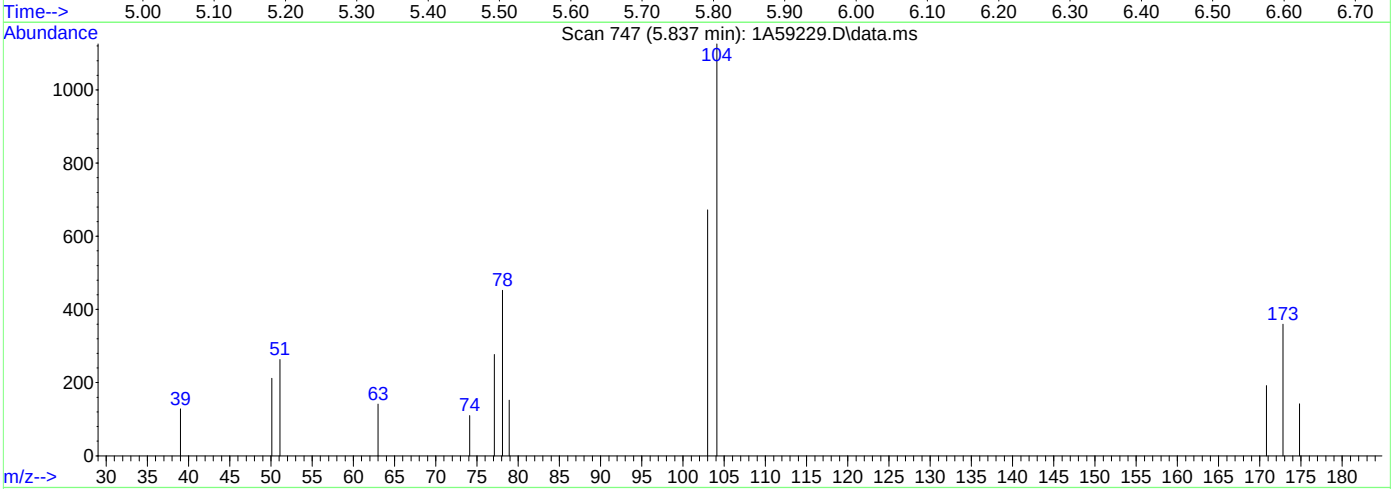
Ion	Exp%	Act%
91.00	100	100
106.00	29.70	23.39
65.00	9.20	7.39
51.00	10.90	10.85

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59229.D
Acq On : 18 Sep 2024 8:10 am
Operator : jeniferw
Sample : IC3047-1 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 11:46:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59229.D\data.ms

(83) Bromoform

5.837min (-5.837) 0.00ug/L

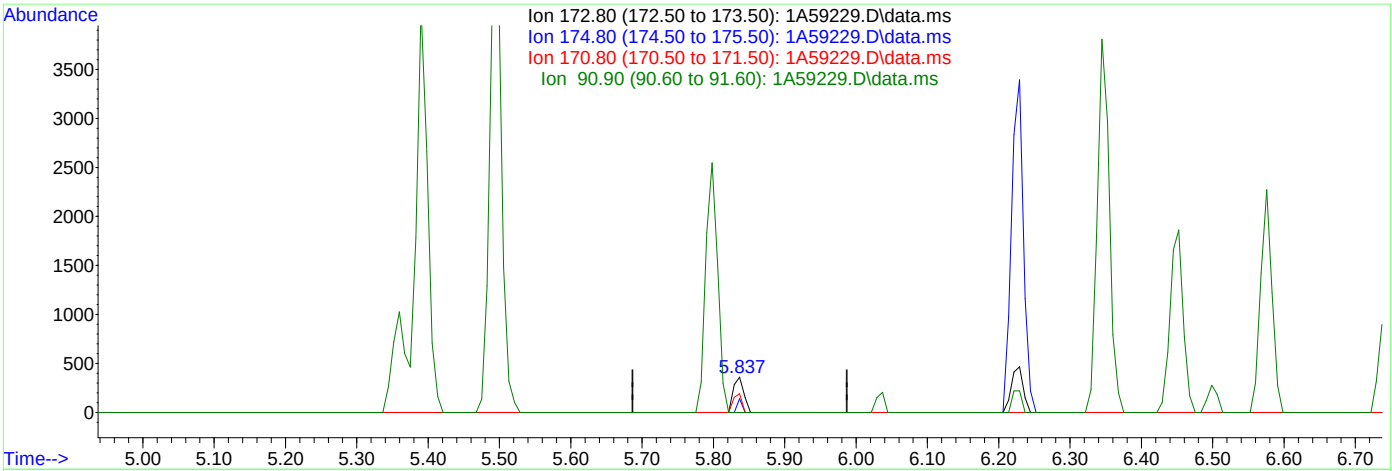
response 0

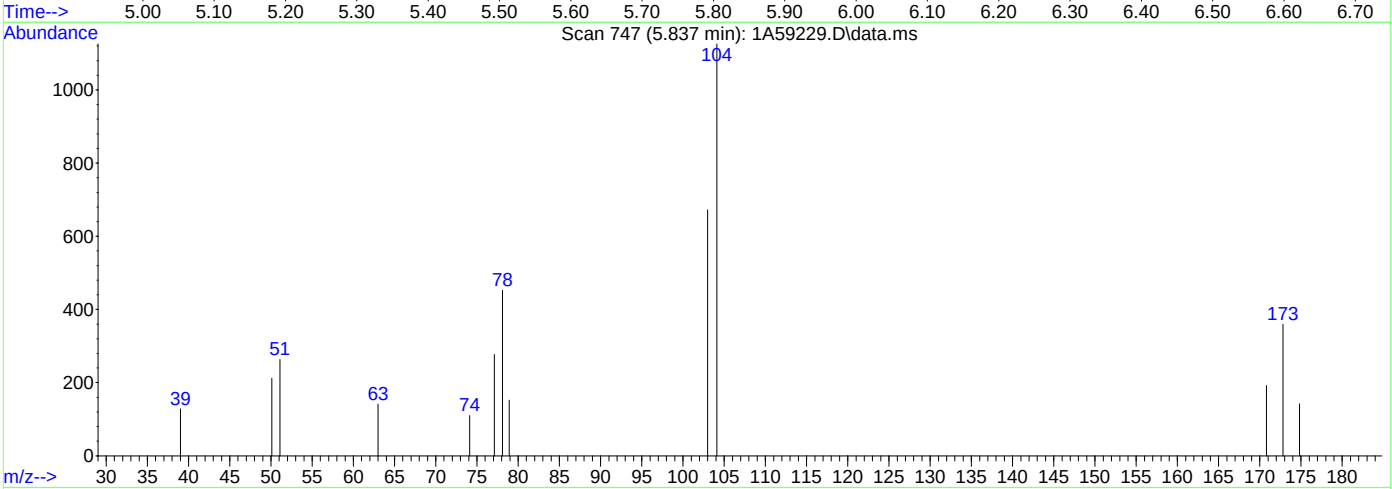
Ion	Exp%	Act%
172.80	100	0.00
174.80	48.10	0.00#
170.80	52.50	0.00#
90.90	20.40	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59229.D
Acq On : 18 Sep 2024 8:10 am
Operator : jeniferw
Sample : IC3047-1 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 11:46:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59229.D\data.ms

(83) Bromoform

5.837min (-0.000) 0.82ug/L m

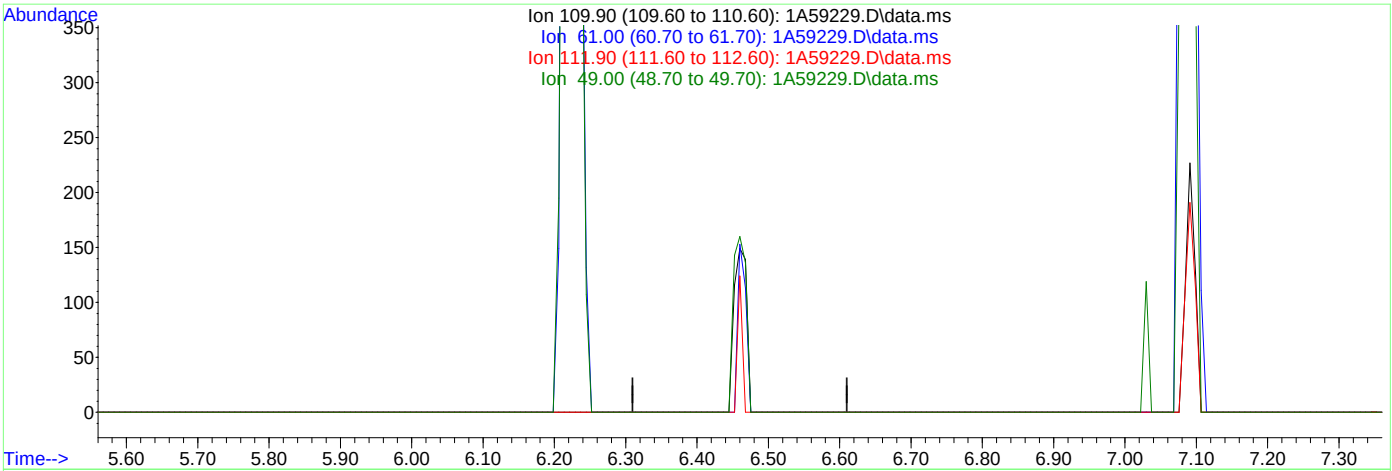
response 368

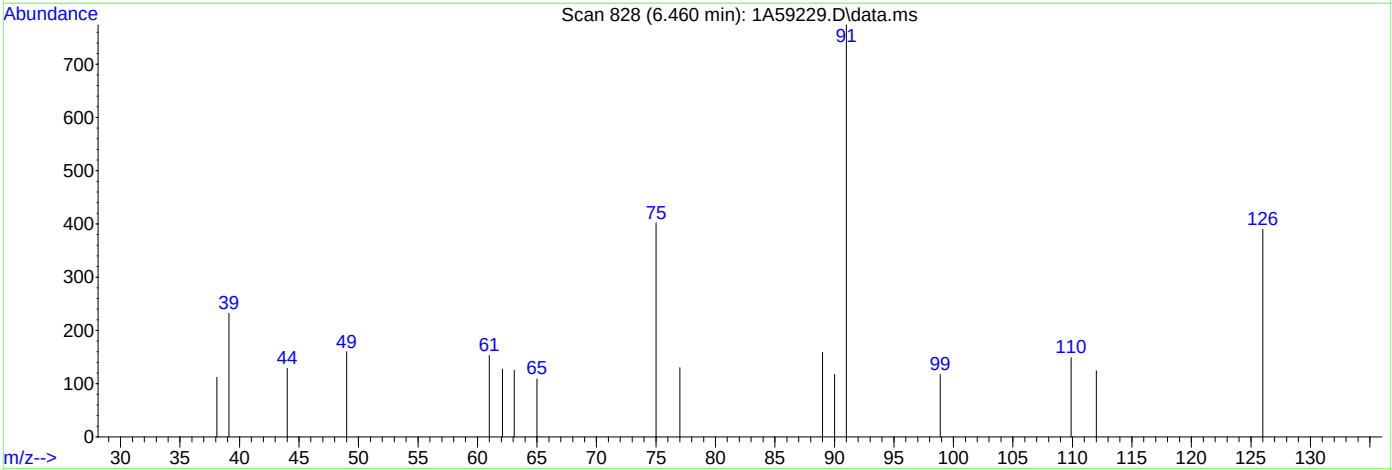
Ion	Exp%	Act%
172.80	100	100
174.80	48.10	39.44
170.80	52.50	53.33
90.90	20.40	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59229.D
Acq On : 18 Sep 2024 8:10 am
Operator : jeniferw
Sample : IC3047-1 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 11:46:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59229.D\data.ms

(94) 1,2,3-Trichloropropane ( )

6.460min (-6.460) 0.00ug/L

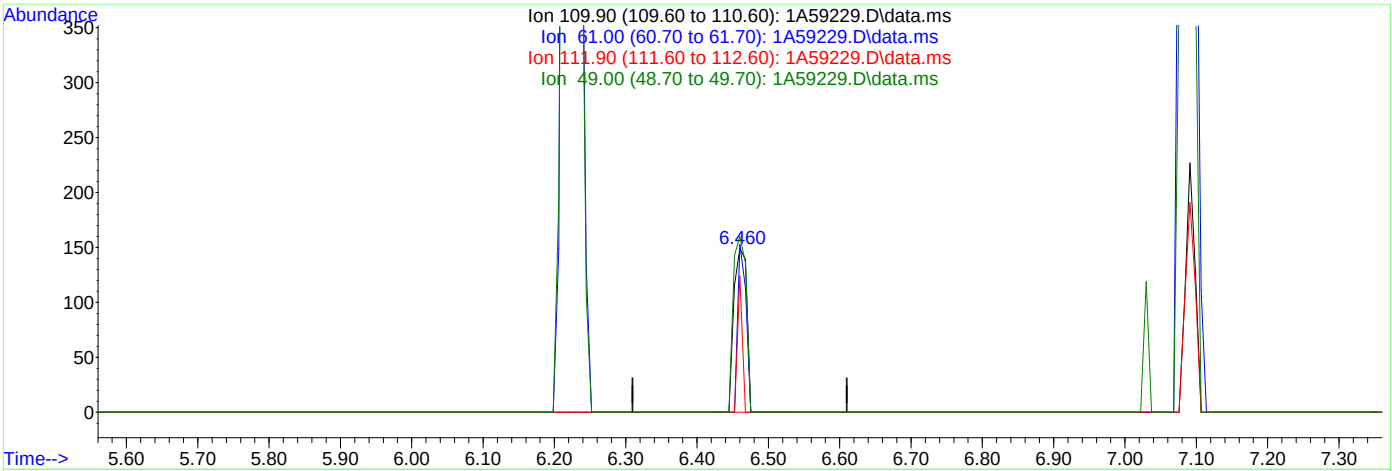
response 0

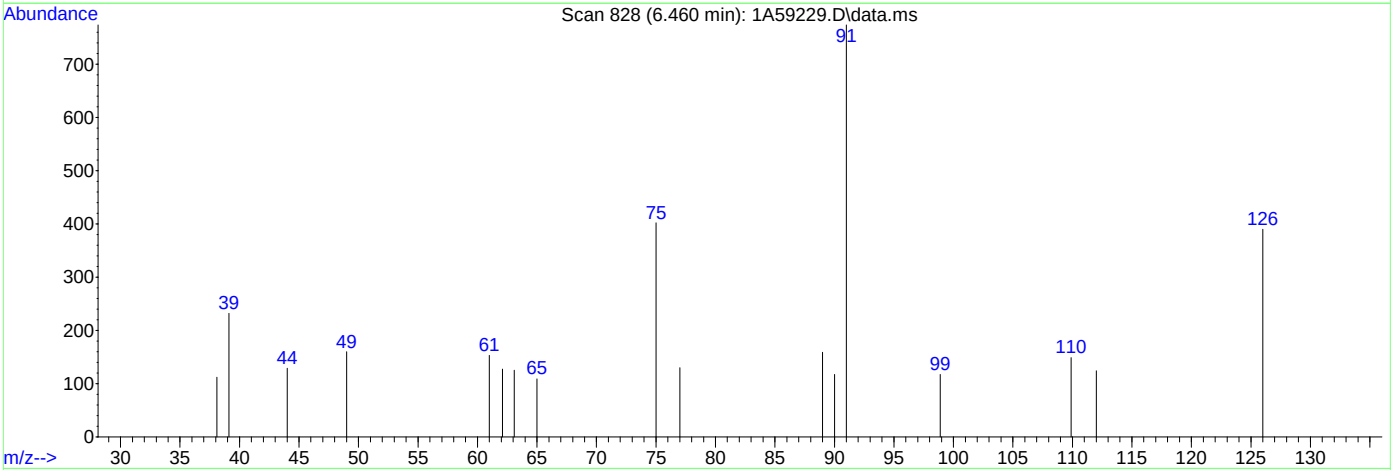
Ion	Exp%	Act%
109.90	100	0.00
61.00	84.10	0.00#
111.90	67.50	0.00#
49.00	69.70	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59229.D
Acq On : 18 Sep 2024 8:10 am
Operator : jeniferw
Sample : IC3047-1 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 11:46:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59229.D\data.ms

(94) 1,2,3-Trichloropropane ( )

6.460min (+0.000) 0.94ug/L m

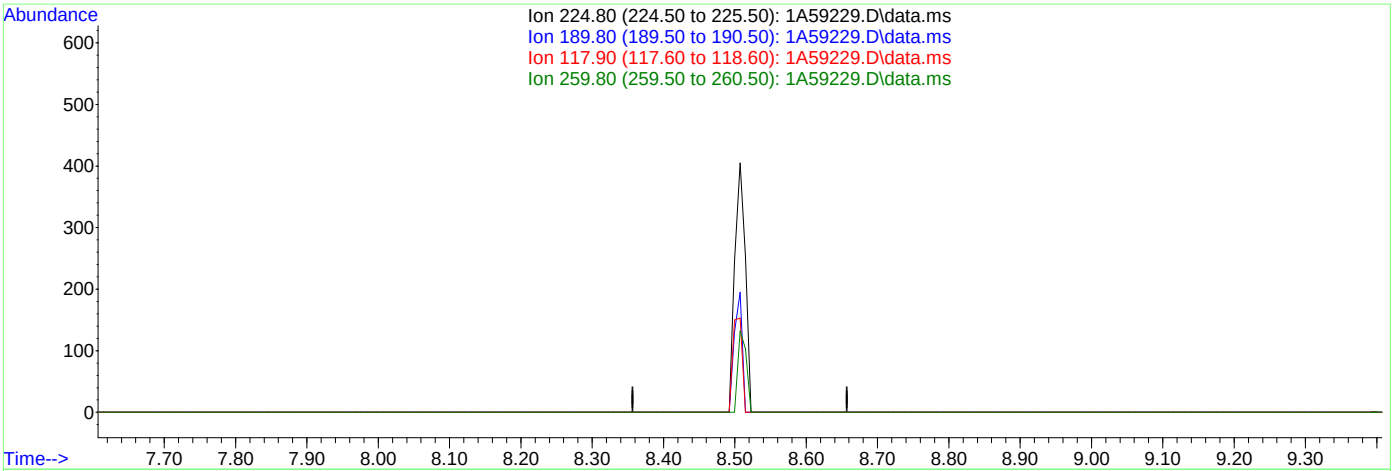
response 187

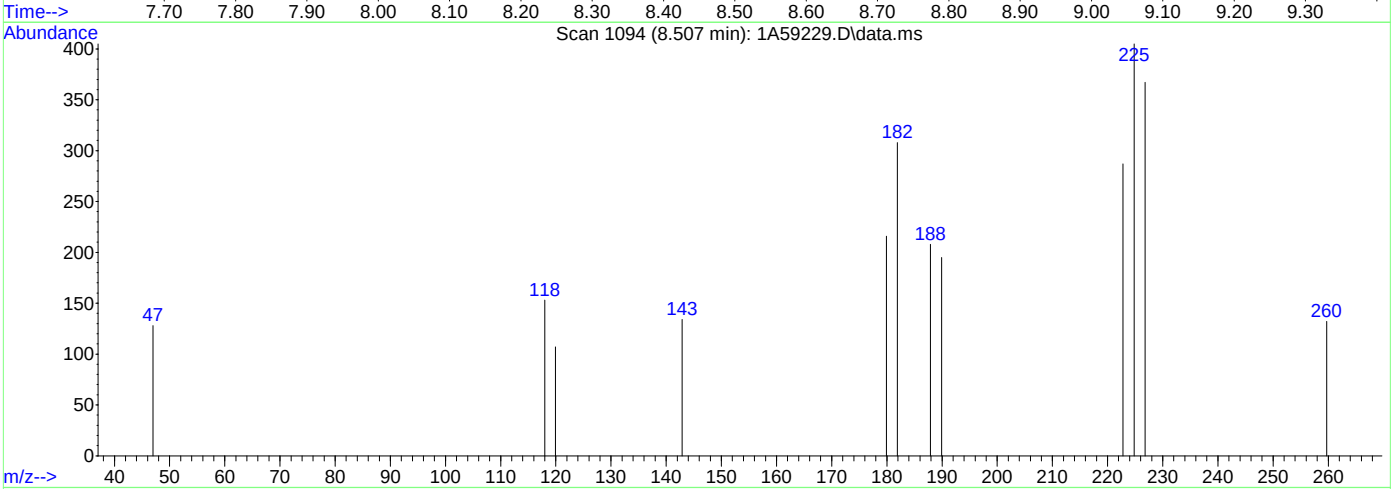
Ion	Exp%	Act%
109.90	100	100
61.00	84.10	102.68
111.90	67.50	83.22
49.00	69.70	107.38#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59229.D
Acq On : 18 Sep 2024 8:10 am
Operator : jeniferw
Sample : IC3047-1 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 11:46:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59229.D\data.ms

(109) Hexachlorobutadiene ( )

8.507min (-8.507) 0.00ug/L

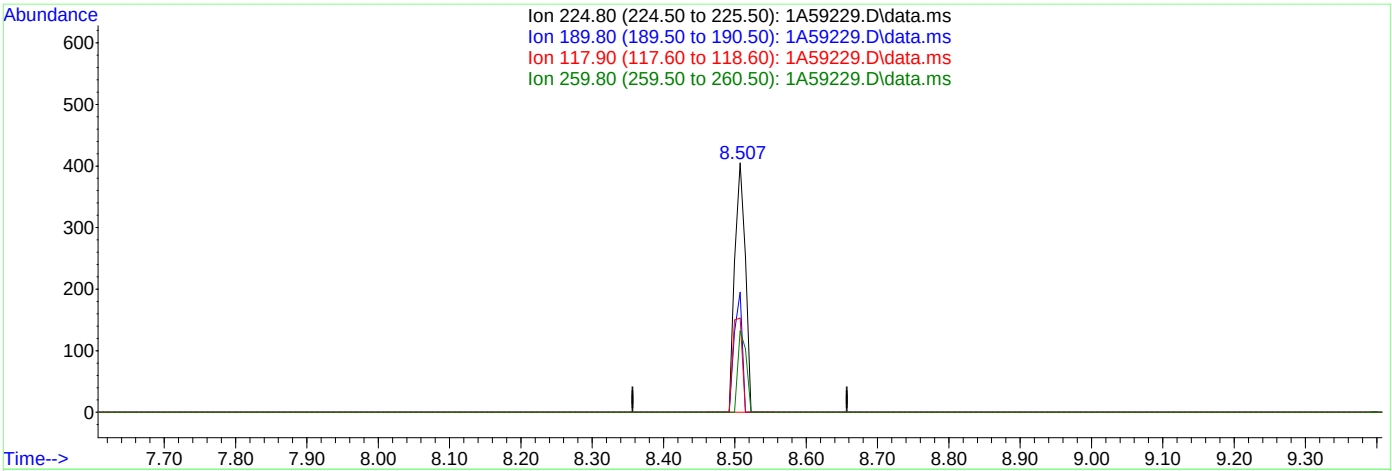
response 0

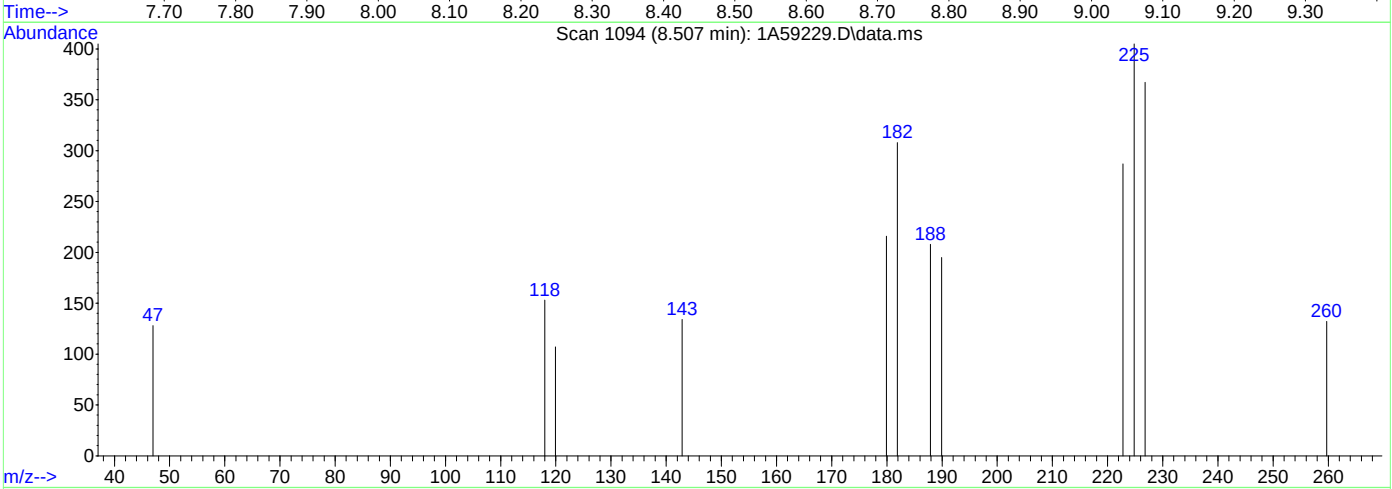
Ion	Exp%	Act%
224.80	100	0.00
189.80	42.00	0.00#
117.90	31.40	0.00#
259.80	31.50	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59229.D
Acq On : 18 Sep 2024 8:10 am
Operator : jeniferw
Sample : IC3047-1 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 11:46:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59229.D\data.ms

(109) Hexachlorobutadiene ( )

8.507min (+0.000) 0.99ug/L m

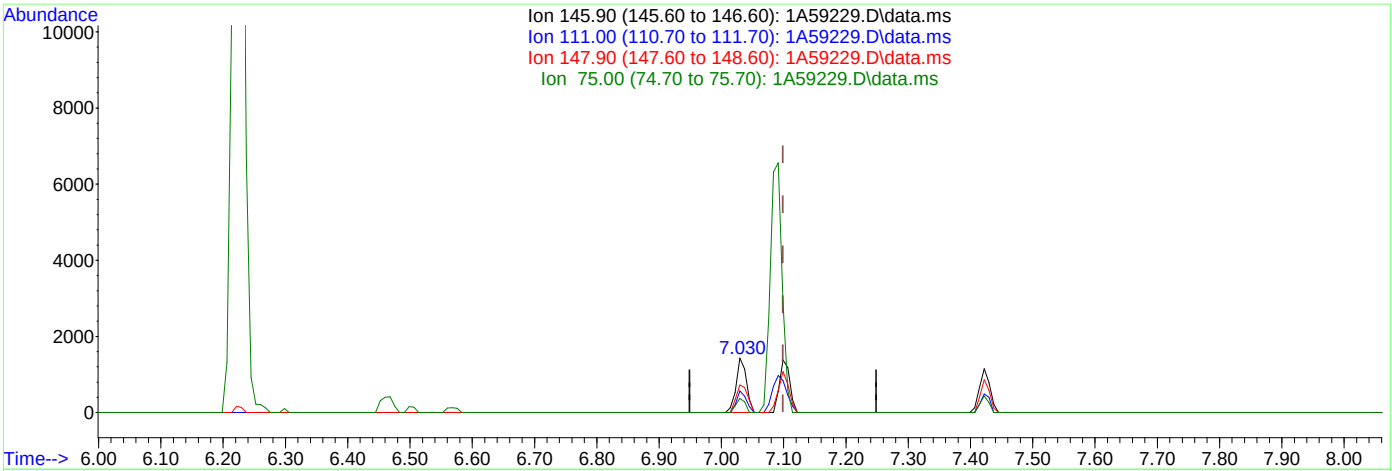
response 417

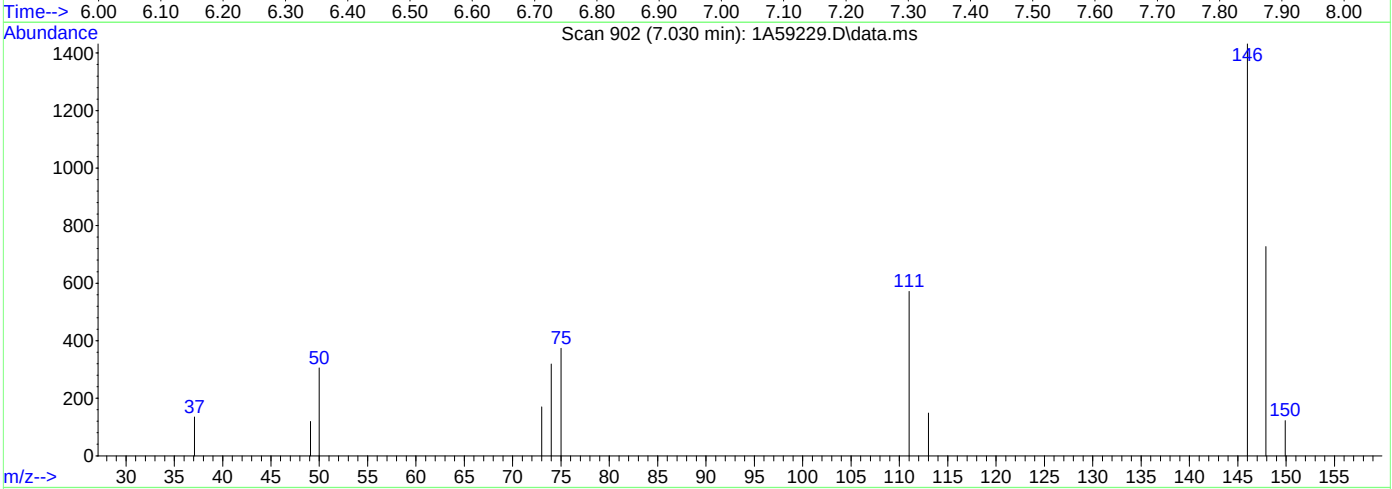
Ion	Exp%	Act%
224.80	100	100
189.80	42.00	48.15
117.90	31.40	37.78
259.80	31.50	32.59

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59229.D
Acq On : 18 Sep 2024 8:10 am
Operator : jeniferw
Sample : IC3047-1 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 11:46:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59229.D\data.ms

(104) 1,4-Dichlorobenzene

7.030min (-0.069) 0.93ug/L

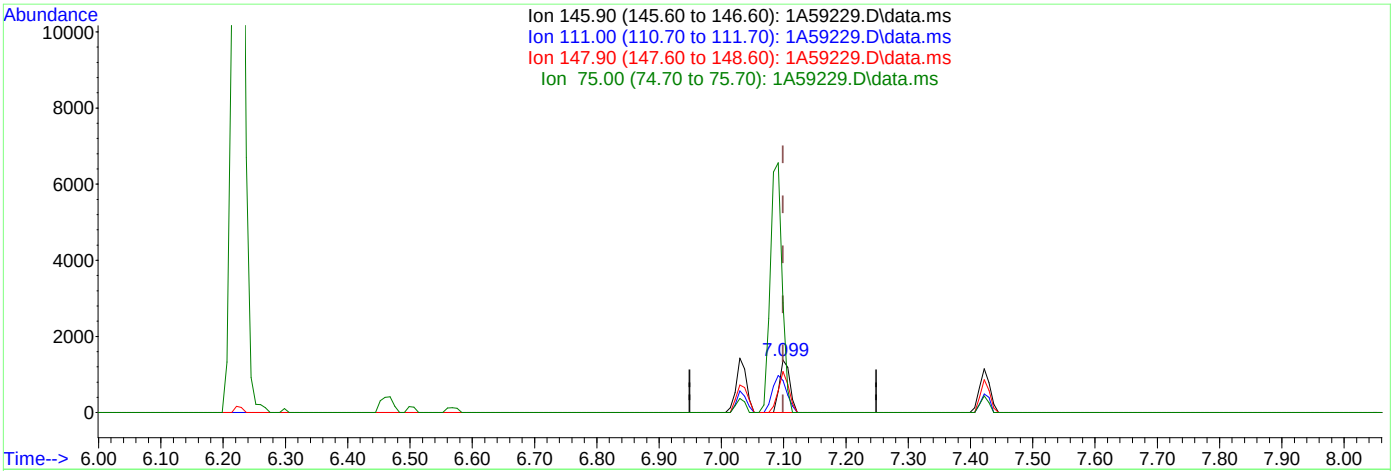
response 1652

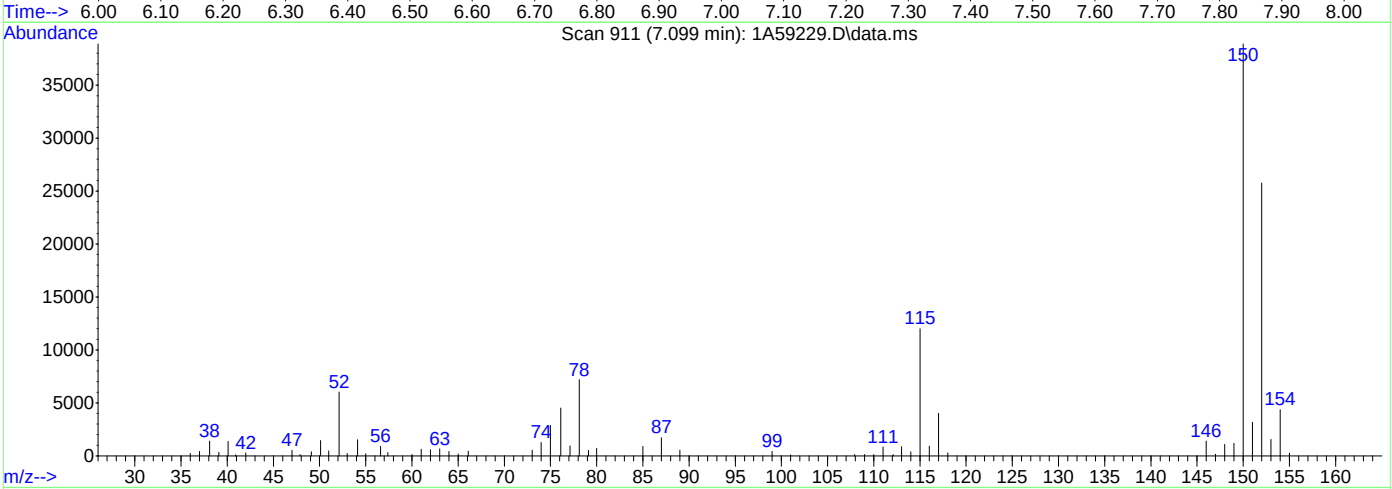
Ion	Exp%	Act%
145.90	100	100
111.00	41.10	39.87
147.90	64.40	50.77
75.00	33.80	26.12

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59229.D
Acq On : 18 Sep 2024 8:10 am
Operator : jeniferw
Sample : IC3047-1 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 11:46:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59229.D\data.ms

(104) 1,4-Dichlorobenzene

7.099min (-0.000) 0.91ug/L m

response 1602

Ion	Exp%	Act%
145.90	100	100
111.00	41.10	61.13
147.90	64.40	78.03
75.00	33.80	208.85#

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/18/24 15:09

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59231.D
Acq On : 18 Sep 2024 8:42 am
Operator : jeniferw
Sample : IC3047-8 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 12:09:41 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	3.397	96	190674	50.00	ug/L		0.00
62) Chlorobenzene-d5	5.344	117	135457	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	7.083	152	69429	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	2.950	113	55972	51.04	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.08%				
49) 1,2-Dichloroethane-d4	3.235	65	61584	49.00	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 98.00%				
63) Toluene-d8	4.328	98	189362	50.58	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 101.16%				
86) 4-Bromofluorobenzene	6.221	174	56777	49.67	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.34%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.019	85	2158	1.66	ug/L		98
3) Chloromethane	1.126	50	2172	1.71	ug/L		90
4) 1,3-butadiene	1.180	39	2038	1.75	ug/L		95
5) Vinyl Chloride	1.173	62	2322	1.85	ug/L		88
6) Bromomethane	1.342	94	965	1.88	ug/L		89
7) Chloroethane	1.411	64	1870	2.59	ug/L		95
8) Trichlorofluoromethane	1.496	101	3437	2.14	ug/L		91
9) Ethyl Ether	1.650	59	1426	1.84	ug/L		94
11) 1,2-Dichlorotrifluoroe...	1.742	67	2350	1.96	ug/L		94
12) 1,1-Dichloroethene	1.758	61	3108	1.99	ug/L		92
13) Freon 113	1.781	101	2058	2.12	ug/L		94
14) Carbon Disulfide	1.781	76	6186	2.04	ug/L		98
15) Iodomethane	1.827	142	725m	1.24	ug/L		
16) Acrolein	1.904	56	1047	8.05	ug/L		90
17) Allyl chloride	1.988	41	2659	1.66	ug/L		89
18) Methylene Chloride	2.042	49	9339	6.65	ug/L		90
19) Acetone	2.050	43	2072	10.84	ug/L		98
20) Methyl acetate	2.119	43	4961	8.85	ug/L		96
21) trans-1,2-Dichloroethene	2.135	61	2948	1.96	ug/L		89
22) Hexane	2.196	56	1835	1.83	ug/L	#	76
23) Methyl Tert Butyl Ether	2.189	73	4204	1.88	ug/L	#	75
24) Acetonitrile	2.273	41	2439	33.13	ug/L		93
25) Tert Butyl Alcohol	2.204	59	848	17.66	ug/L	#	28
26) Di-isopropyl ether	2.389	45	5470	1.66	ug/L		92
27) Chloroprene	2.435	53	5610	1.83	ug/L		99
28) 1,1-Dichloroethane	2.435	63	3938	2.02	ug/L		93
29) Acrylonitrile	2.435	52	2908	9.22	ug/L		96
30) ETBE	2.573	59	4724	1.64	ug/L		99
31) Vinyl acetate	2.558	43	15516	8.42	ug/L		93
32) cis-1,2-Dichloroethene	2.720	96	2185	2.05	ug/L	#	82
33) 2,2-Dichloropropane	2.781	77	2716	1.93	ug/L		96
34) Bromochloromethane	2.820	128	1066	2.03	ug/L		98
35) Cyclohexane	2.858	56	3454	1.79	ug/L	#	84
36) Chloroform	2.858	83	4061	2.10	ug/L		96
37) Ethyl acetate	2.912	43	6215	8.85	ug/L		96
38) Tetrahydrofuran	2.950	42	419m	1.92	ug/L		
40) Carbon Tetrachloride	2.958	117	2881m	2.03	ug/L		
41) 1,1,1-Trichloroethane	2.981	97	3160	1.99	ug/L		96
42) 2-Butanone	2.997	43	2983	9.39	ug/L		100
43) 1,1-Dichloropropene	3.051	75	2517	2.03	ug/L		97
44) tert-Butyl formate	3.089	59	3715	7.38	ug/L	#	79
45) Propionitrile	3.135	54	1716	17.85	ug/L		94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59231.D
Acq On : 18 Sep 2024 8:42 am
Operator : jeniferw
Sample : IC3047-8 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 12:09:41 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Methacrylonitrile	3.158	41	8383	17.29	ug/L		96
47) Benzene	3.174	78	7985	1.99	ug/L		96
48) TAME	3.243	73	4064	1.85	ug/L		93
50) 1,2-Dichloroethane	3.266	62	2799	1.99	ug/L		96
51) Isobutyl Alcohol	3.243	43	2215	36.47	ug/L		78
52) Tert Amyl Alcohol	3.320	59	438m	12.44	ug/L		
53) Trichloroethene	3.505	95	2361	2.13	ug/L		95
54) Methylcyclohexane	3.528	83	3250	1.91	ug/L		97
55) Dibromomethane	3.728	93	1234	2.08	ug/L		95
56) 1,2-Dichloropropane	3.789	63	2139	1.99	ug/L		94
57) Bromodichloromethane	3.820	83	2535	1.90	ug/L		96
58) Methyl methacrylate	3.913	41	1029	1.61	ug/L		92
60) 2-Chloroethyl vinyl ether	4.159	63	2516	6.21	ug/L		92
61) cis-1,3-Dichloropropene	4.205	75	2758	1.84	ug/L		97
64) Toluene	4.367	91	8638	2.08	ug/L		99
65) 2-Nitropropane	4.459	41	1305	9.29	ug/L		93
66) 4-Methyl-2-pentanone	4.574	43	5890	8.67	ug/L		97
67) trans-1,3-Dichloropropene	4.605	75	2240	1.76	ug/L		97
68) Tetrachloroethene	4.628	166	2245	2.13	ug/L		96
69) Ethyl methacrylate	4.721	69	1346	1.54	ug/L		85
70) 1,1,2-Trichloroethane	4.705	83	1333	2.15	ug/L		93
71) Dibromochloromethane	4.836	129	1570	1.86	ug/L		96
72) 1,3-Dichloropropane	4.890	76	2512	1.92	ug/L		90
73) 1,2-Dibromoethane	4.990	107	1497	2.08	ug/L		91
74) 3,3-Dimethyl-1-Butanol	5.113	57	4145	92.64	ug/L		95
75) 2-hexanone	5.136	43	4153	7.95	ug/L		89
76) 1-Chlorohexane	5.359	91	3043m	1.93	ug/L		
77) Ethylbenzene	5.390	91	9522m	2.08	ug/L		
78) Chlorobenzene	5.359	112	5598	2.13	ug/L		98
79) 1,1,1,2-Tetrachloroethane	5.406	131	1541	1.82	ug/L		91
80) m,p-Xylene	5.490	91	14170	3.90	ug/L		99
81) o-Xylene	5.798	91	6903	1.91	ug/L		98
82) Styrene	5.829	104	4552	1.78	ug/L		95
83) Bromoform	5.829	173	983	2.17	ug/L		88
84) Isopropylbenzene	6.037	105	8279	1.99	ug/L		96
88) n-Propylbenzene	6.345	91	10749	2.14	ug/L		97
89) Bromobenzene	6.298	156	2214	2.14	ug/L		90
90) 1,1,2,2-Tetrachloroethane	6.368	83	1572	2.04	ug/L		98
91) 1,3,5-Trimethylbenzene	6.499	105	6265	1.93	ug/L		99
92) 2-Chlorotoluene	6.445	91	5832	2.00	ug/L		97
94) 1,2,3-Trichloropropane	6.460	110	392m	1.90	ug/L		
96) 4-Chlorotoluene	6.575	91	5807	1.92	ug/L		99
97) tert-Butylbenzene	6.737	91	3994	2.00	ug/L		89
98) 1,2,4-Trimethylbenzene	6.791	105	5684	1.87	ug/L		95
99) Pentachloroethane	6.737	167	862	1.67	ug/L	#	74
100) sec-Butylbenzene	6.883	105	8338	2.03	ug/L		99
101) 4-Isopropyltoluene	6.999	119	6290	1.90	ug/L		97
102) 1,3-Dichlorobenzene	7.030	146	3825	2.12	ug/L		99
103) 1,2,3-Trimethylbenzene	7.130	105	5840	1.87	ug/L		98
104) 1,4-Dichlorobenzene	7.099	146	3926m	2.14	ug/L		
105) n-Butylbenzene	7.330	92	2905	1.90	ug/L		95
106) Benzyl Chloride	7.291	126	319m	1.71	ug/L		
107) 1,2-Dichlorobenzene	7.422	146	3460	2.18	ug/L		92
108) 1,2-Dibromo-3-Chloropr...	7.999	75	205m	1.95	ug/L		
109) Hexachlorobutadiene	8.507	225	990	2.28	ug/L		89
110) 1,2,4-Trichlorobenzene	8.500	180	1510	1.97	ug/L		97
111) Naphthalene	8.707	128	2272	2.08	ug/L		98
112) 1,2,3-Trichlorobenzene	8.831	180	1132	1.95	ug/L		92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59231.D
Acq On : 18 Sep 2024 8:42 am
Operator : jeniferw
Sample : IC3047-8 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 12:09:41 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration

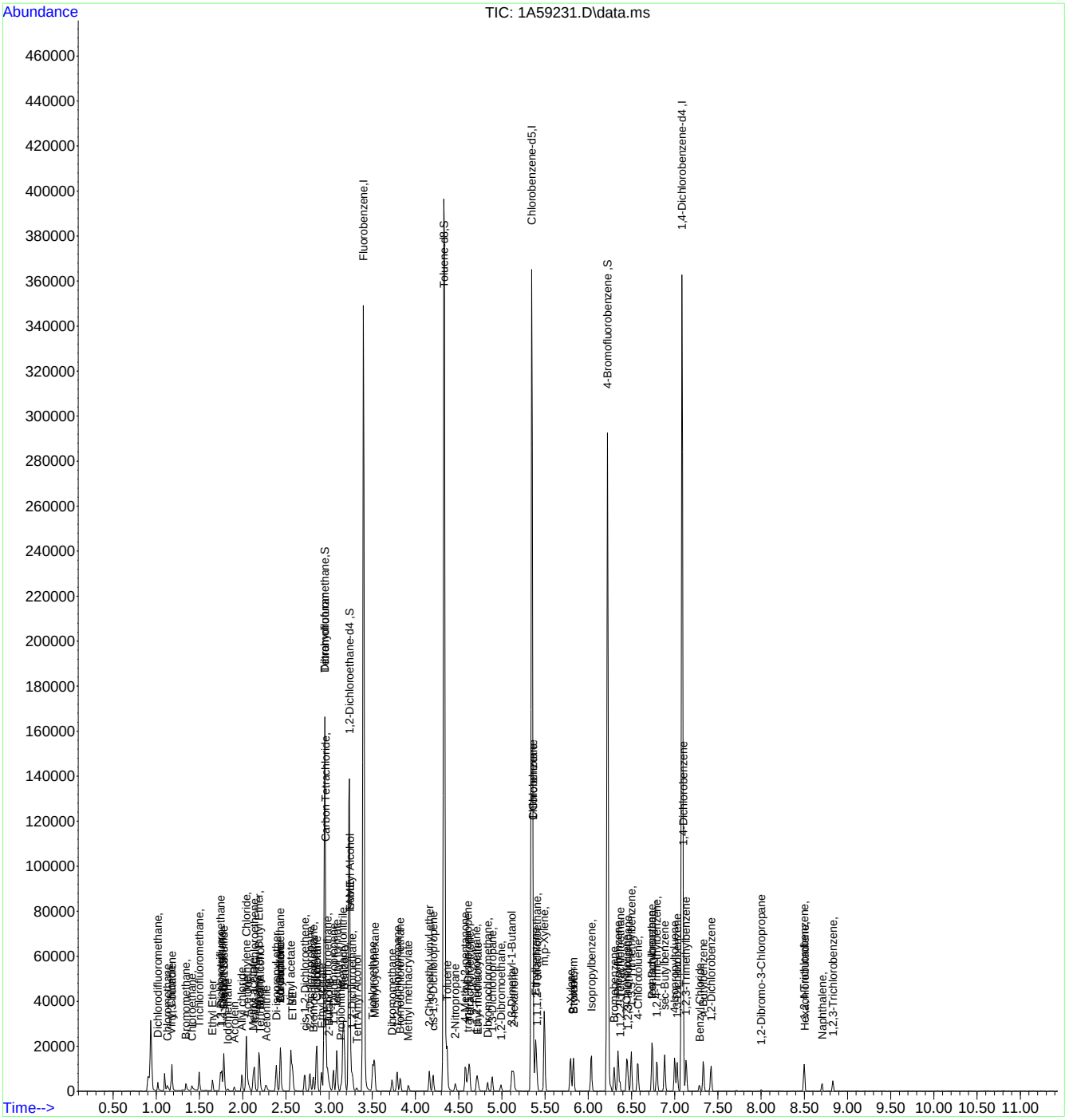
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59231.D
Acq On : 18 Sep 2024 8:42 am
Operator : jeniferw
Sample : IC3047-8 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 12:09:41 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration



Manual Integration Approval Summary

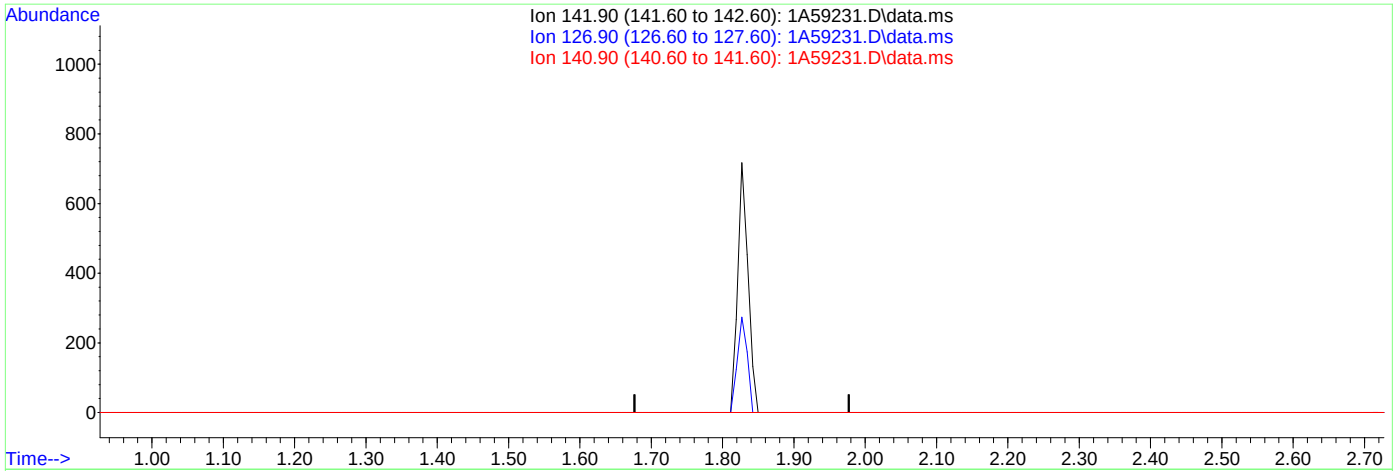
Sample Number: V1A3047-IC3047 **Method:** SW846 8260D
Lab FileID: 1A59231.D **Analyst approved:** 09/18/24 14:30 Jenifer Willis
Injection Time: 09/18/24 08:42 **Supervisor approved:** 09/18/24 15:09 Karen Watson

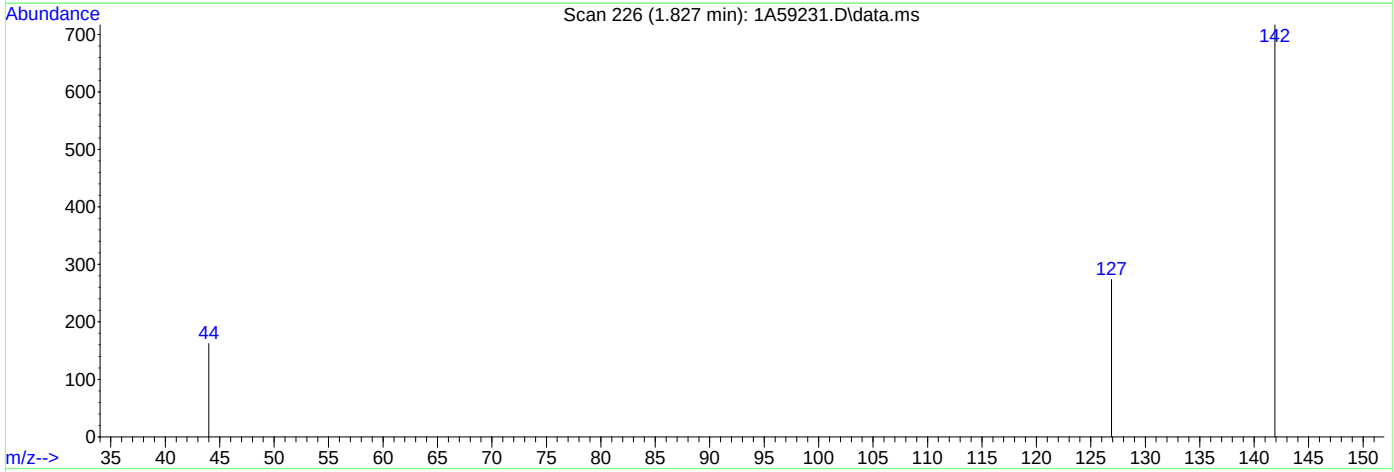
Parameter	CAS	Sig#	R.T. (min.)	Reason
Methyl Iodide	74-88-4		1.83	Missed peak
Tetrahydrofuran	109-99-9		2.95	Missed peak
Carbon Tetrachloride	56-23-5		2.96	Overlapping peak
Tert-Amyl Alcohol	75-85-4		3.32	Missed peak
1-Chlorohexane	544-10-5		5.36	Overlapping peak
Ethylbenzene	100-41-4		5.39	Overlapping peak
1,2,3-Trichloropropane	96-18-4		6.46	Missed peak
1,4-Dichlorobenzene	106-46-7		7.10	Missed peak
Benzyl Chloride	100-44-7		7.29	Missed peak
1,2-Dibromo-3-chloropropane	96-12-8		8.00	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59231.D
Acq On : 18 Sep 2024 8:42 am
Operator : jeniferw
Sample : IC3047-8 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 11:46:18 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59231.D\data.ms

(15) Iodomethane

1.827min (-1.827) 0.00ug/L

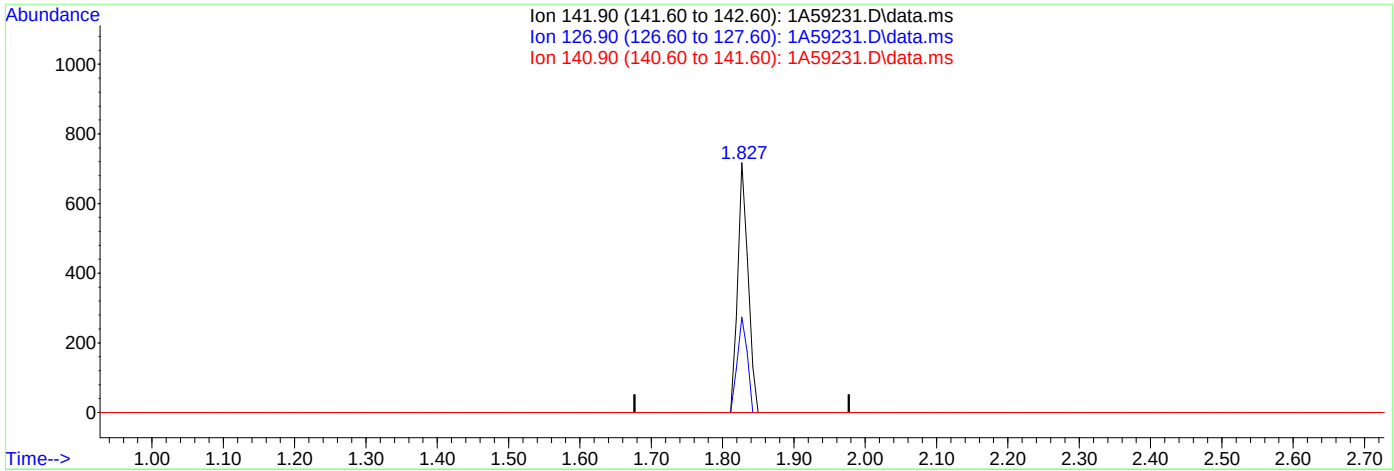
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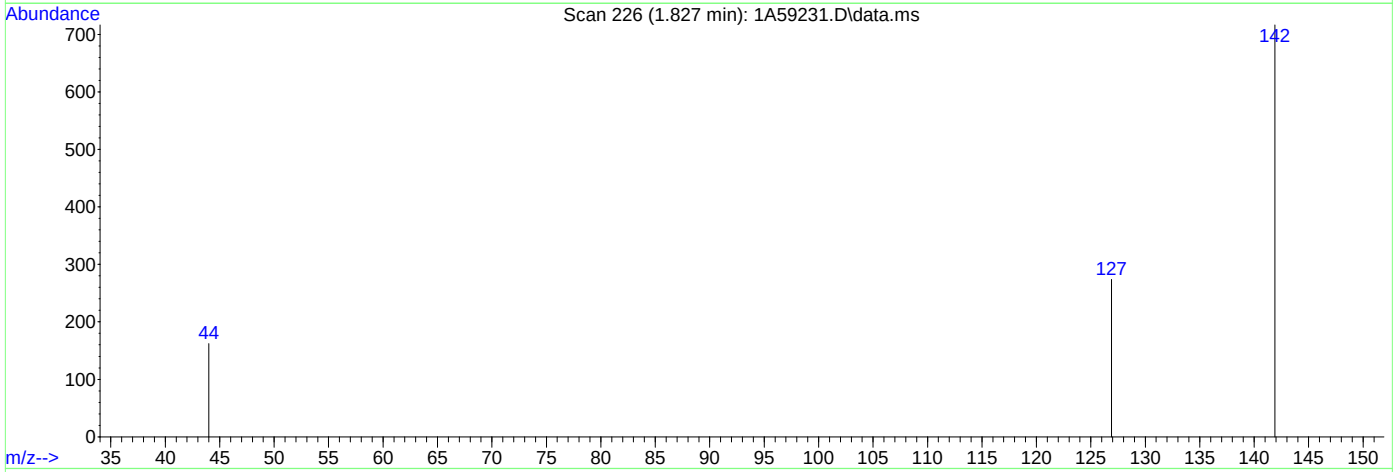
Ion	Exp%	Act%
141.90	100	0.00
126.90	44.30	0.00#
140.90	13.70	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59231.D
Acq On : 18 Sep 2024 8:42 am
Operator : jeniferw
Sample : IC3047-8 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 11:46:18 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59231.D\data.ms

(15) Iodomethane

1.827min (-0.000) 1.24ug/L m

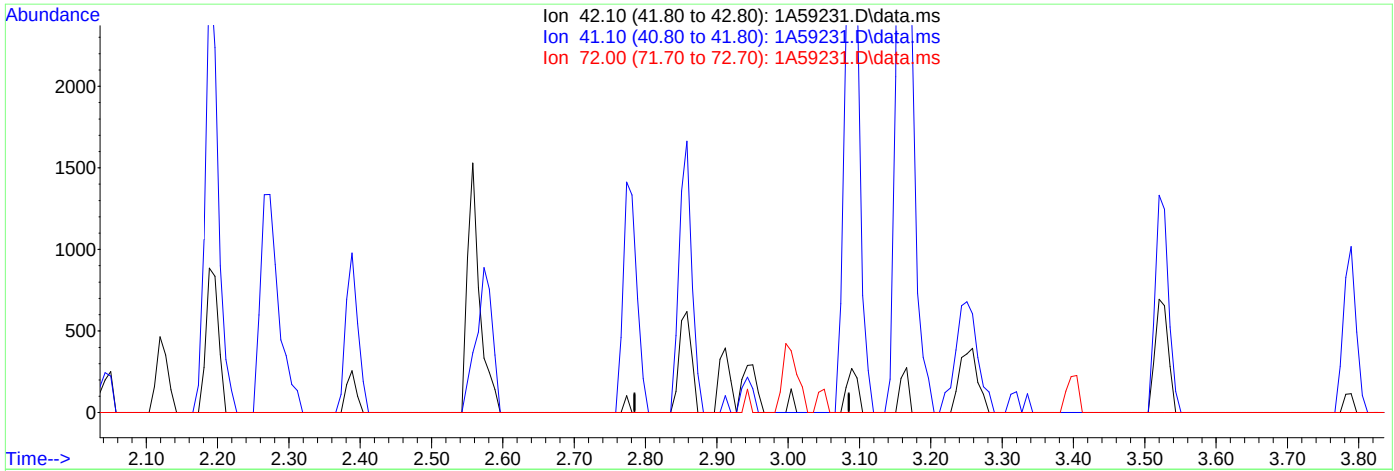
response 725

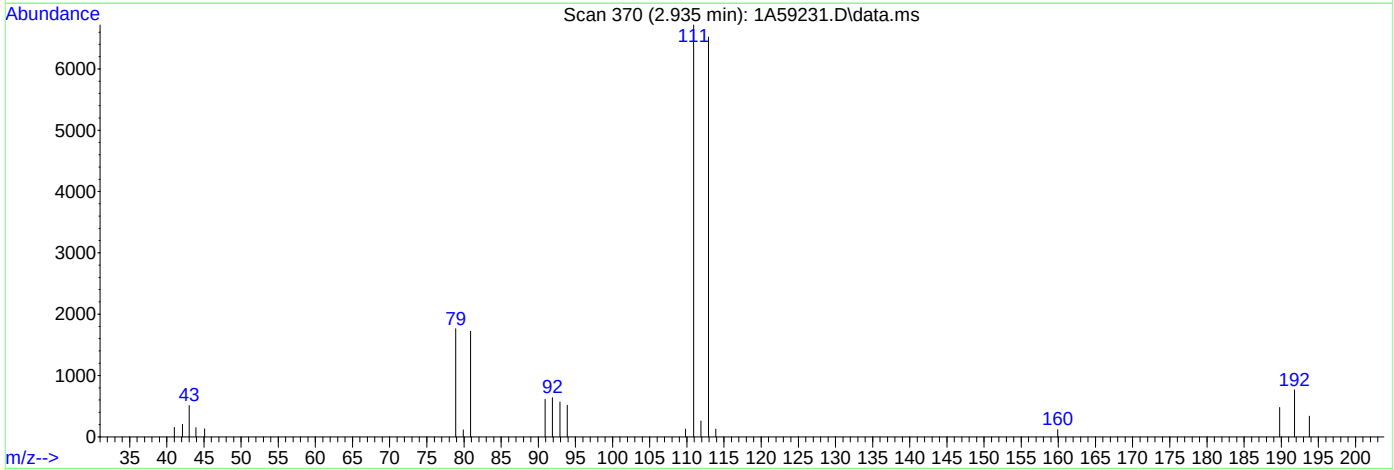
Ion	Exp%	Act%
141.90	100	100
126.90	44.30	38.21
140.90	13.70	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59231.D
Acq On : 18 Sep 2024 8:42 am
Operator : jeniferw
Sample : IC3047-8 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 11:46:18 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59231.D\data.ms

(38) Tetrahydrofuran

2.935min (-2.935) 0.00ug/L

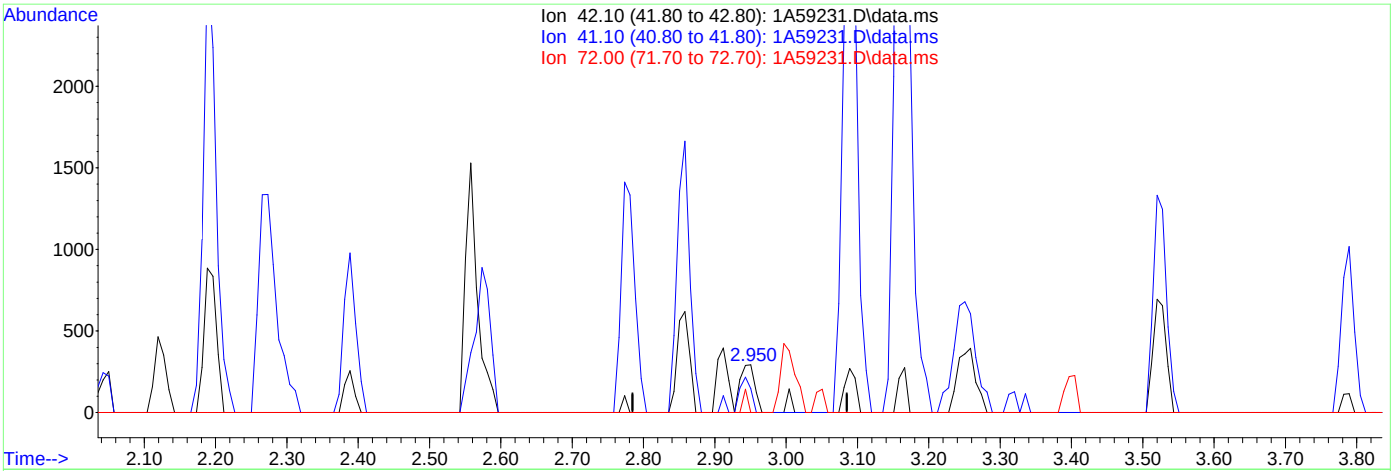
response 0

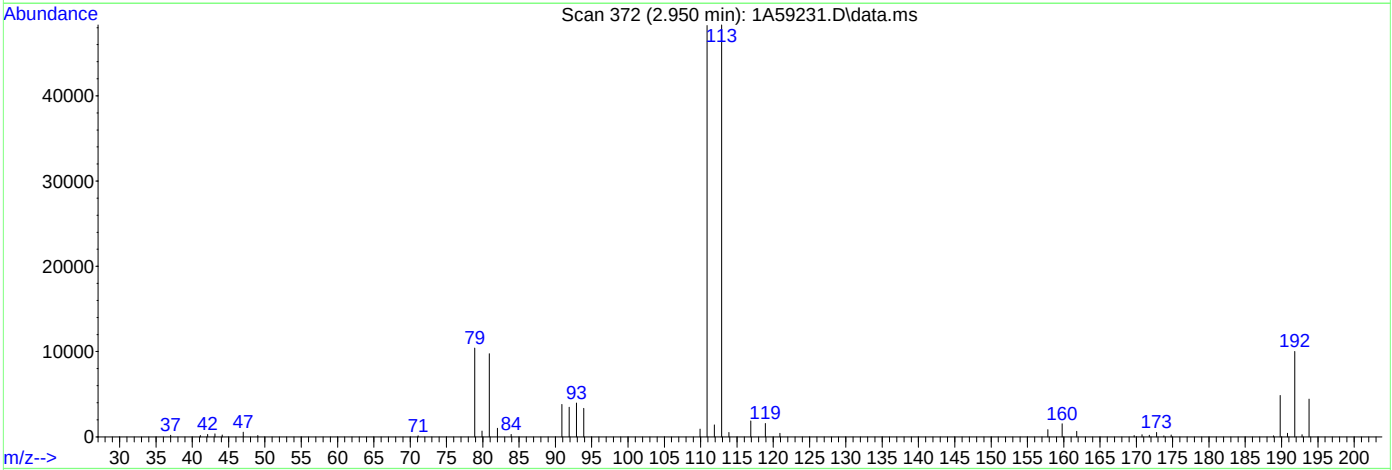
Ion	Exp%	Act%
42.10	100	0.00
41.10	53.20	0.00#
72.00	35.20	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59231.D
Acq On : 18 Sep 2024 8:42 am
Operator : jeniferw
Sample : IC3047-8 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 11:46:18 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59231.D\data.ms

(38) Tetrahydrofuran

2.950min (+0.015) 1.92ug/L m

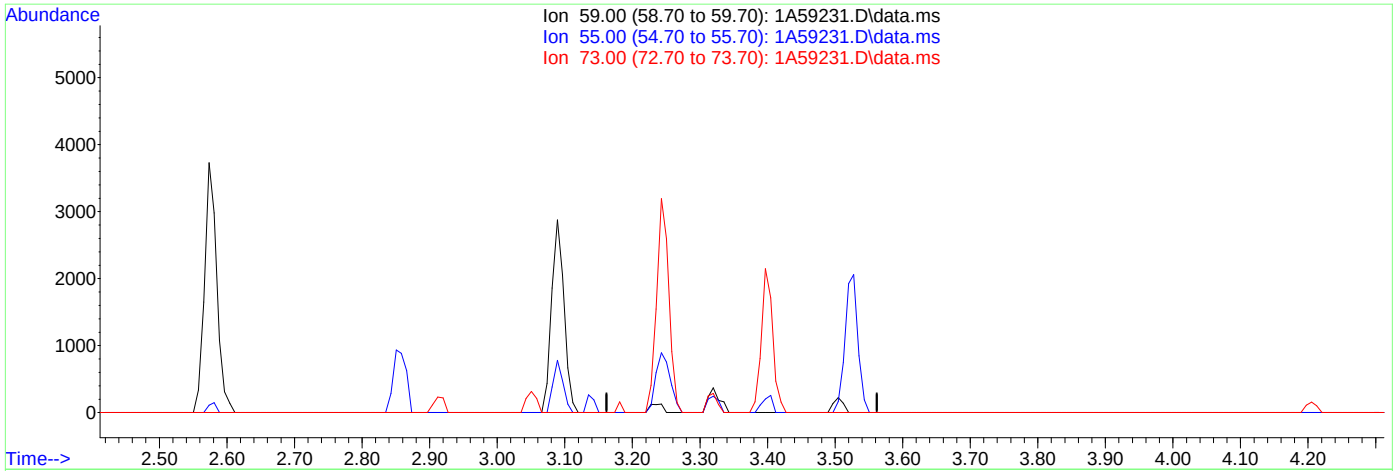
response 419

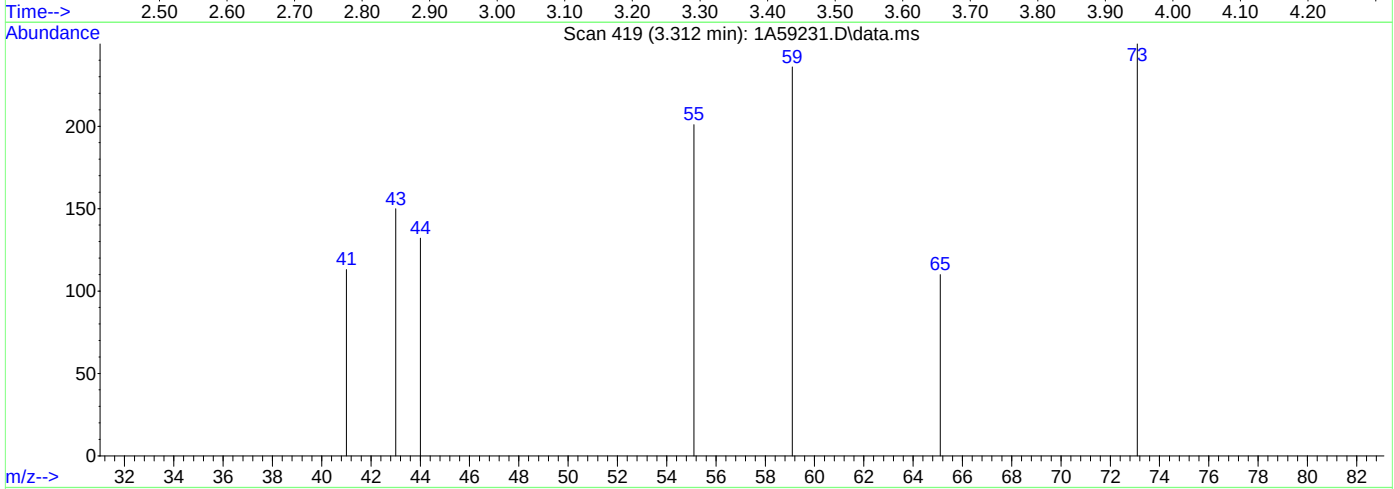
Ion	Exp%	Act%
42.10	100	100
41.10	53.20	49.83
72.00	35.20	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59231.D
Acq On : 18 Sep 2024 8:42 am
Operator : jeniferw
Sample : IC3047-8 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 11:46:18 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59231.D\data.ms

(52) Tert Amyl Alcohol

3.312min (-3.312) 0.00ug/L

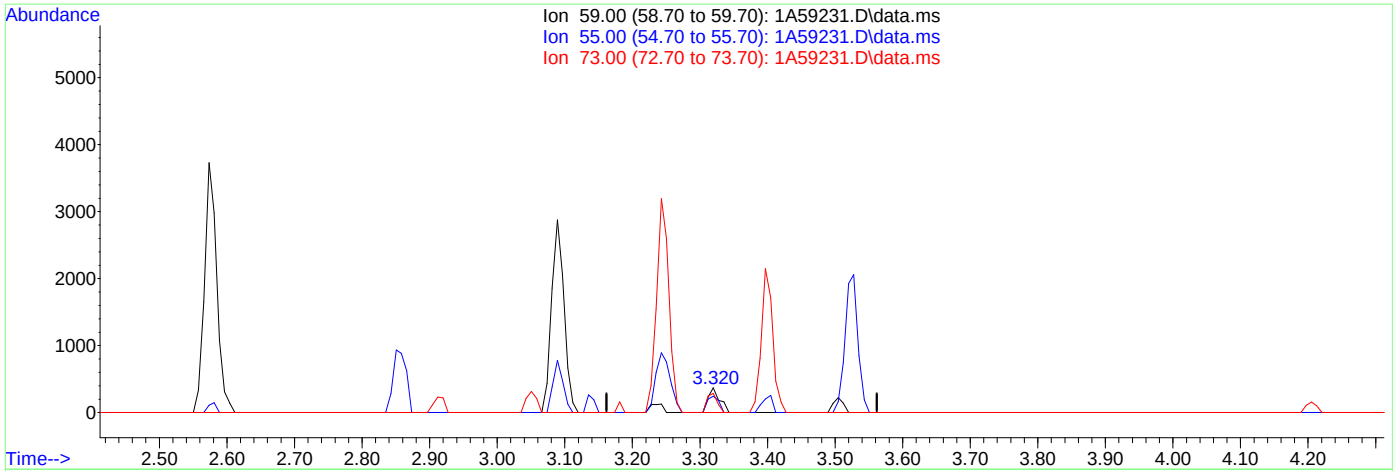
response 0

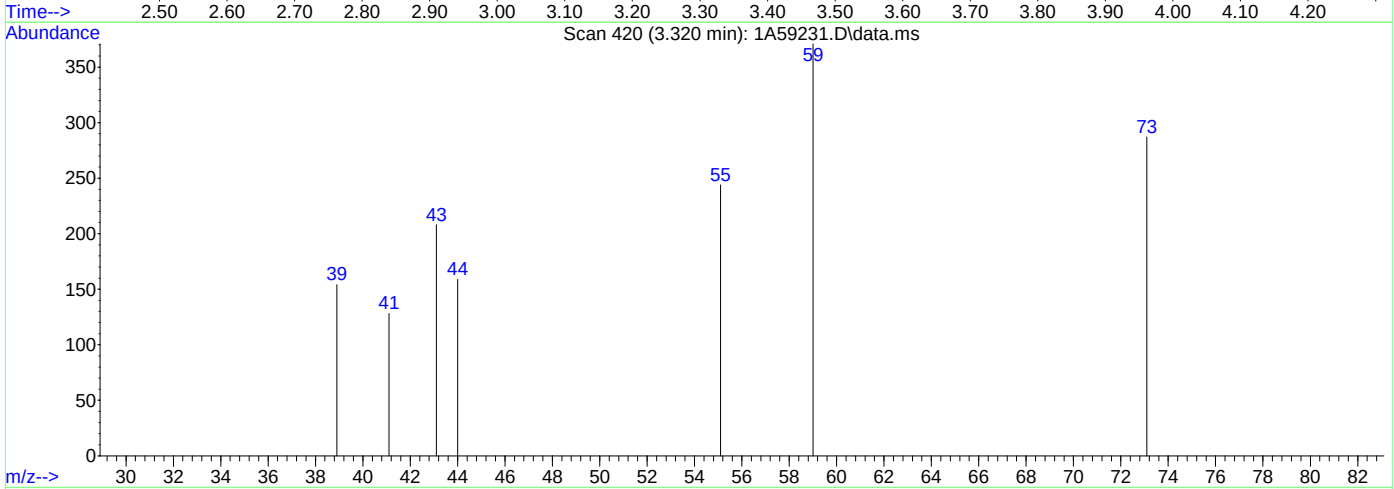
Ion	Exp%	Act%
59.00	100	0.00
55.00	59.30	0.00#
73.00	58.70	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59231.D
Acq On : 18 Sep 2024 8:42 am
Operator : jeniferw
Sample : IC3047-8 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 11:46:18 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59231.D\data.ms

(52) Tert Amyl Alcohol

3.320min (+0.008) 12.44ug/L m

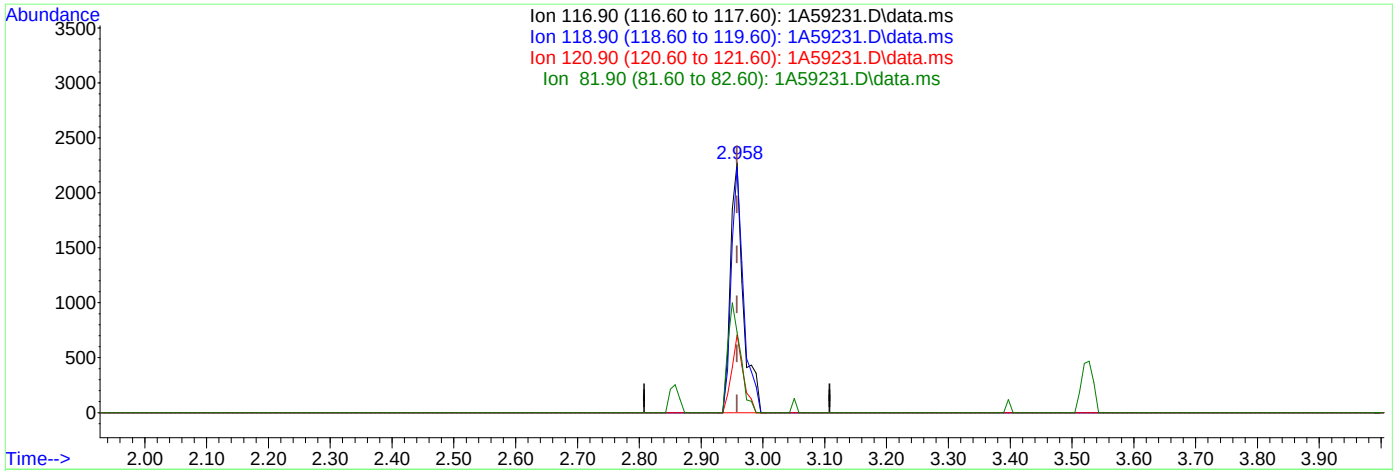
response 438

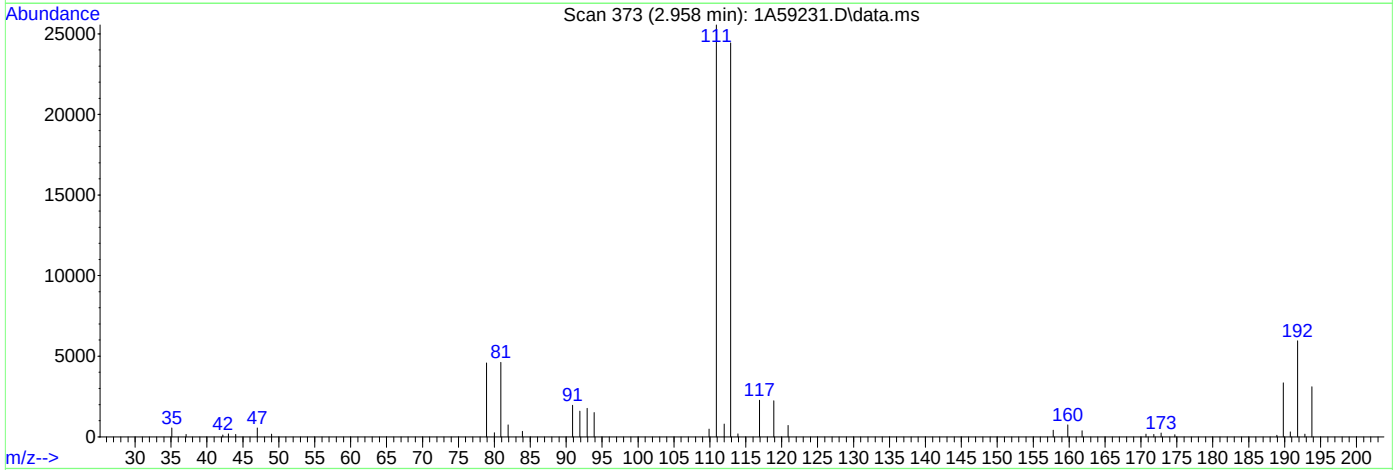
Ion	Exp%	Act%
59.00	100	100
55.00	59.30	65.77
73.00	58.70	77.36
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59231.D
Acq On : 18 Sep 2024 8:42 am
Operator : jeniferw
Sample : IC3047-8 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 11:46:18 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59231.D\data.ms

(40) Carbon Tetrachloride ( )

2.958min (+0.000) 2.29ug/L

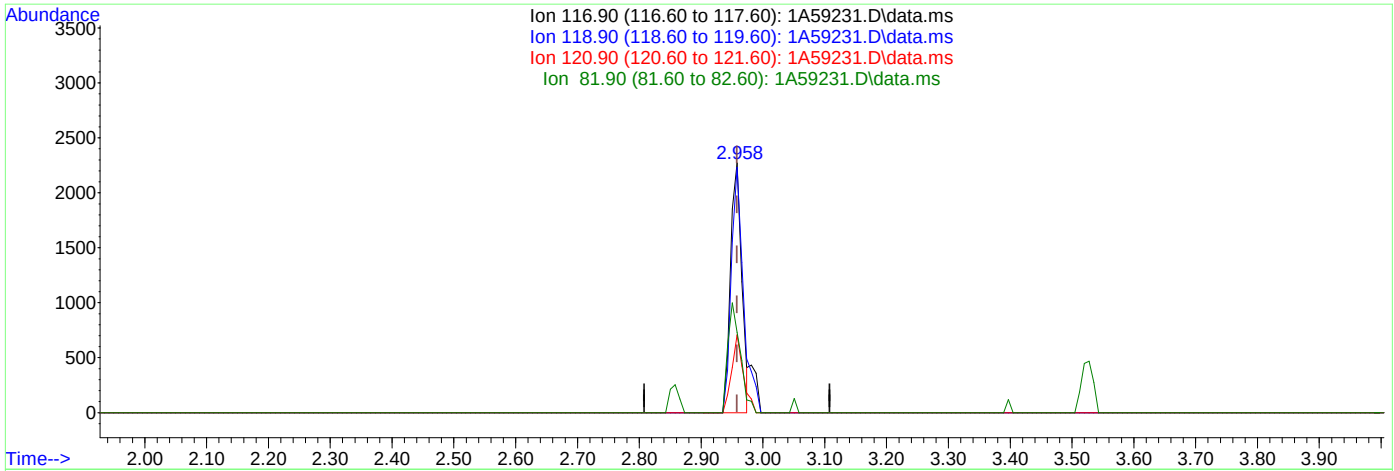
response 3246

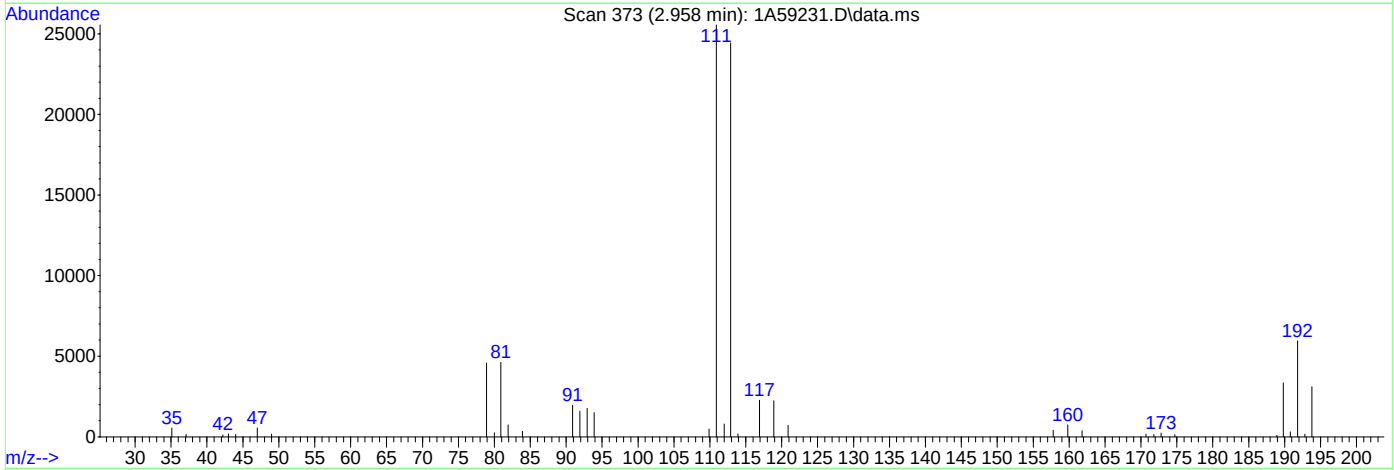
Ion	Exp%	Act%
116.90	100	100
118.90	96.70	98.24
120.90	32.00	31.21
81.90	24.70	32.17

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59231.D
Acq On : 18 Sep 2024 8:42 am
Operator : jeniferw
Sample : IC3047-8 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 11:46:18 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59231.D\data.ms

(40) Carbon Tetrachloride ( )

2.958min (+0.000) 2.03ug/L m

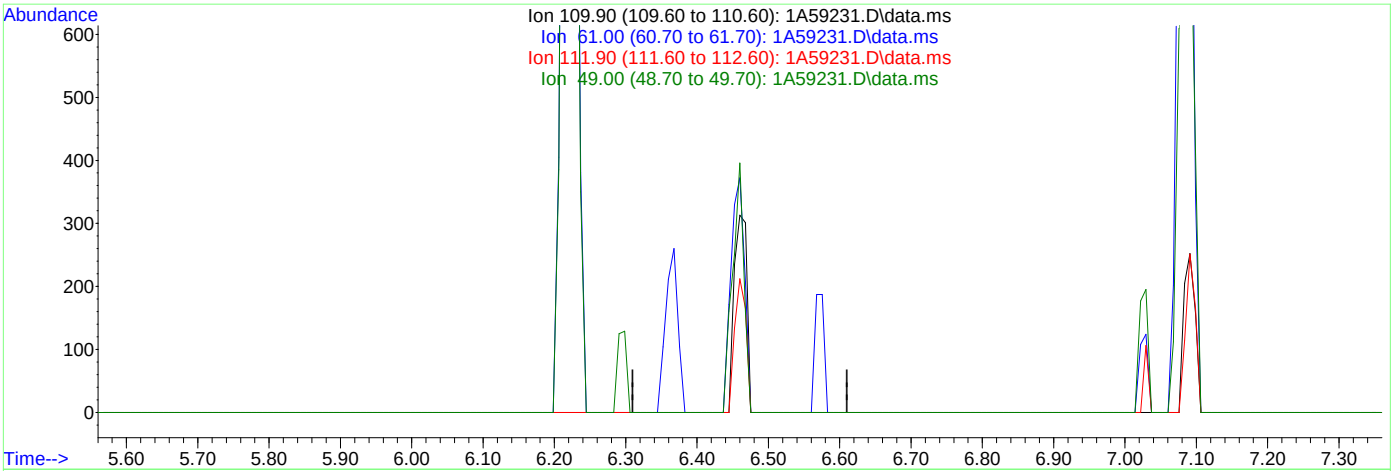
response 2881

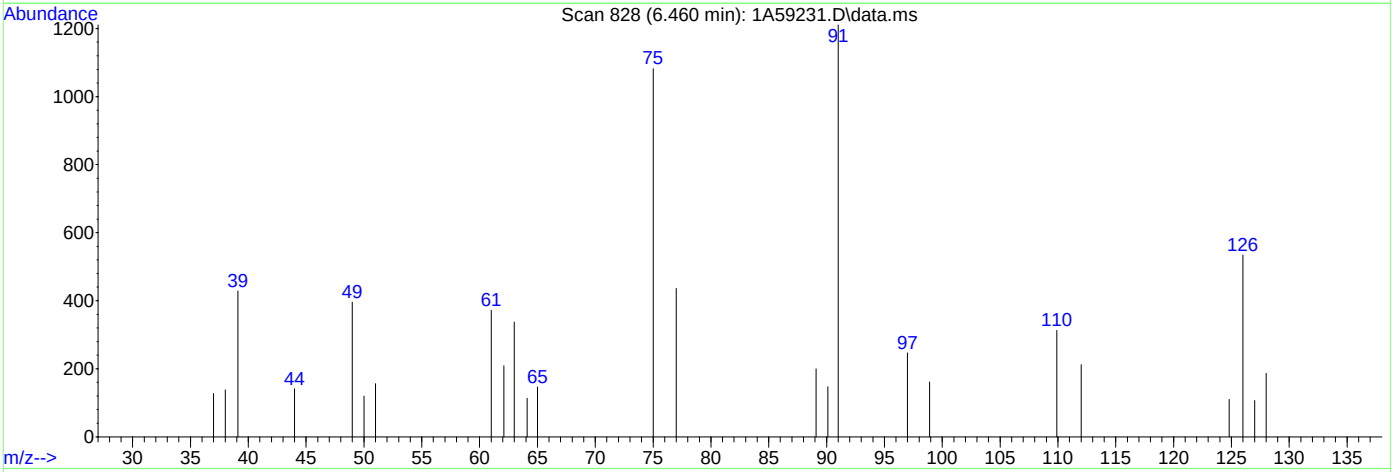
Ion	Exp%	Act%
116.90	100	100
118.90	96.70	98.24
120.90	32.00	31.21
81.90	24.70	32.17

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59231.D
Acq On : 18 Sep 2024 8:42 am
Operator : jeniferw
Sample : IC3047-8 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 11:46:18 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59231.D\data.ms

(94) 1,2,3-Trichloropropane ( )

6.460min (-6.460) 0.00ug/L

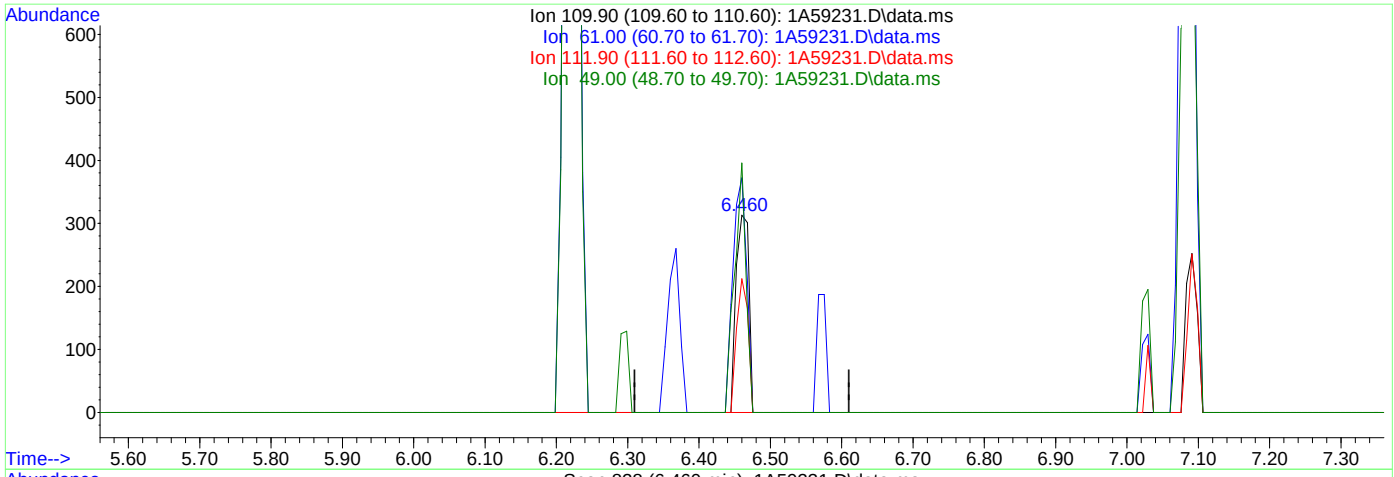
response 0

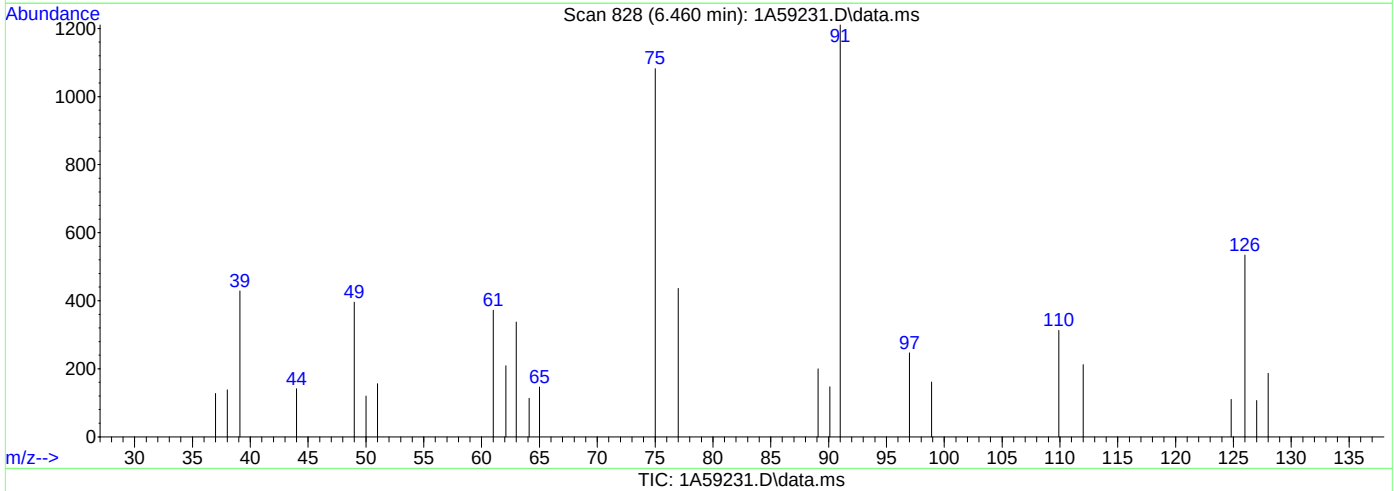
Ion	Exp%	Act%
109.90	100	0.00
61.00	84.10	0.00#
111.90	67.50	0.00#
49.00	69.70	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59231.D
Acq On : 18 Sep 2024 8:42 am
Operator : jeniferw
Sample : IC3047-8 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 11:46:18 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59231.D\data.ms

(94) 1,2,3-Trichloropropane ( )

6.460min (+0.000) 1.90ug/L m

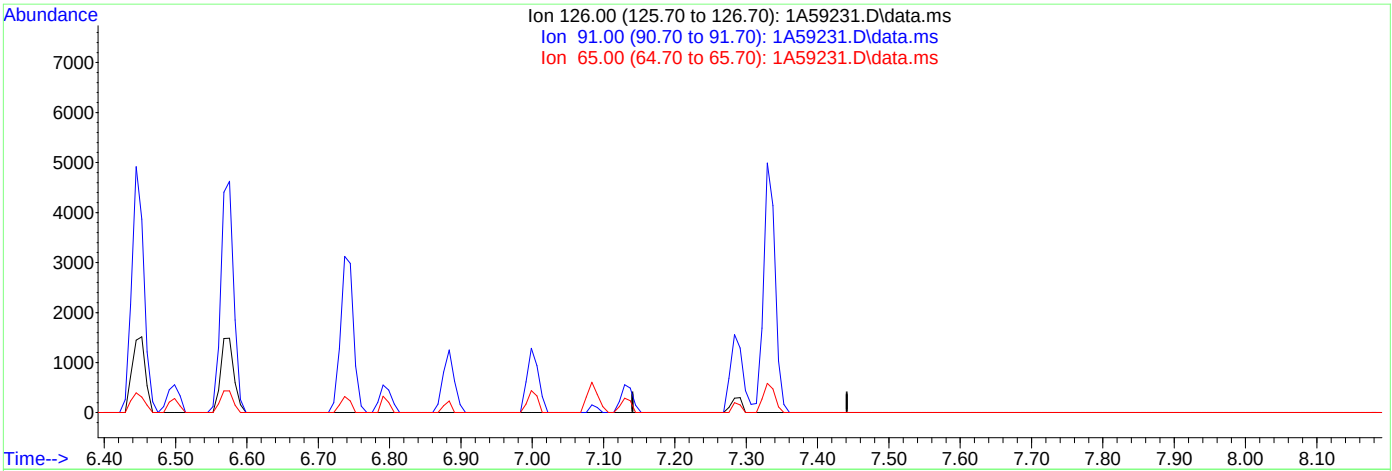
response 392

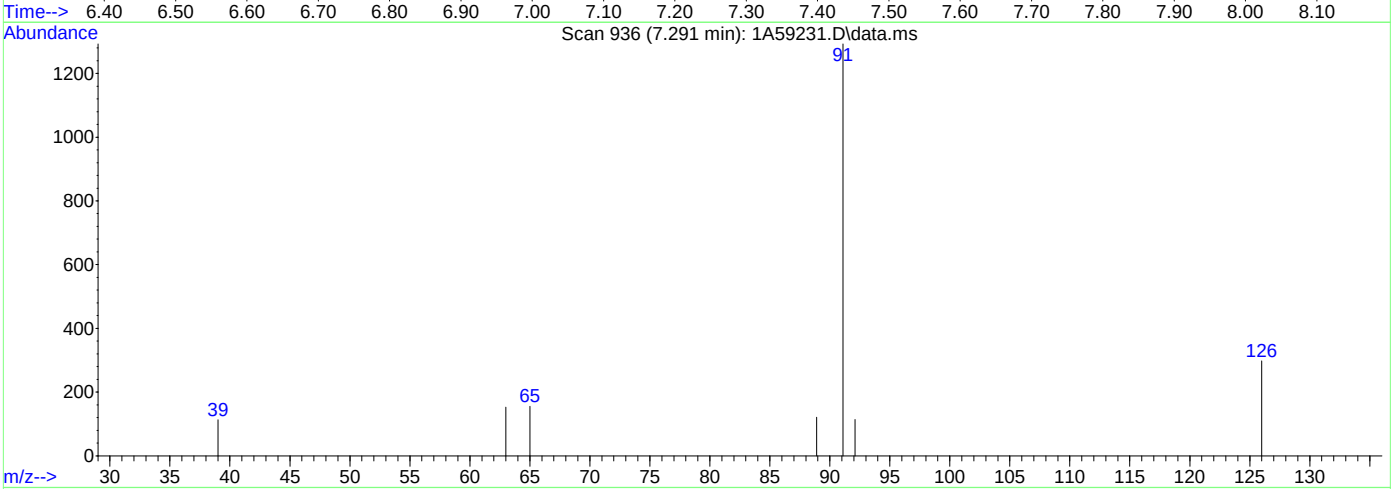
Ion	Exp%	Act%
109.90	100	100
61.00	84.10	118.85#
111.90	67.50	67.73
49.00	69.70	126.52#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59231.D
Acq On : 18 Sep 2024 8:42 am
Operator : jeniferw
Sample : IC3047-8 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 11:46:18 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59231.D\data.ms

(106) Benzyl Chloride

7.291min (-7.291) 0.00ug/L

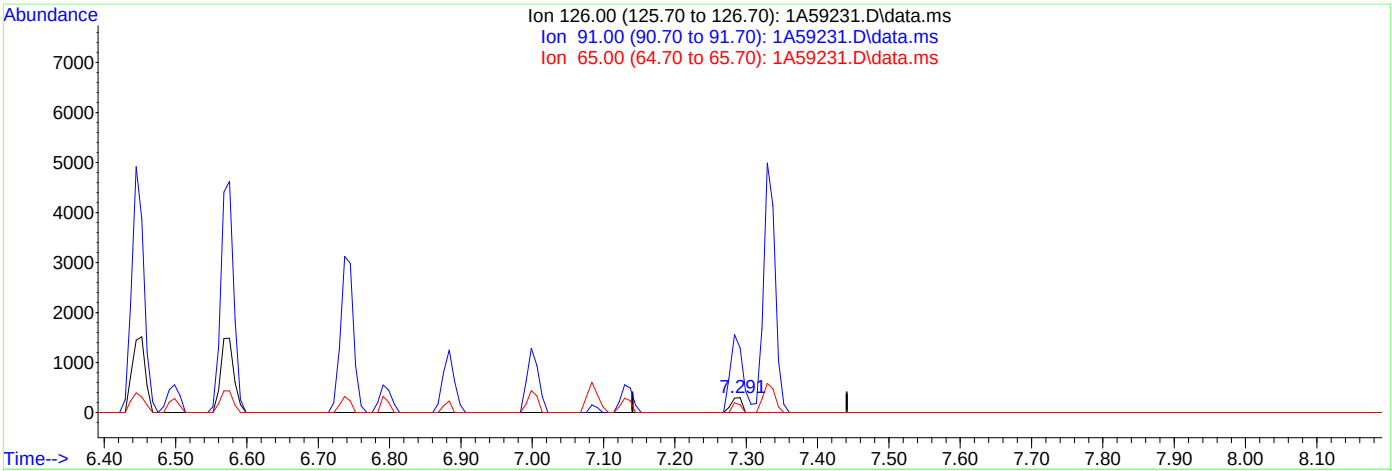
response 0

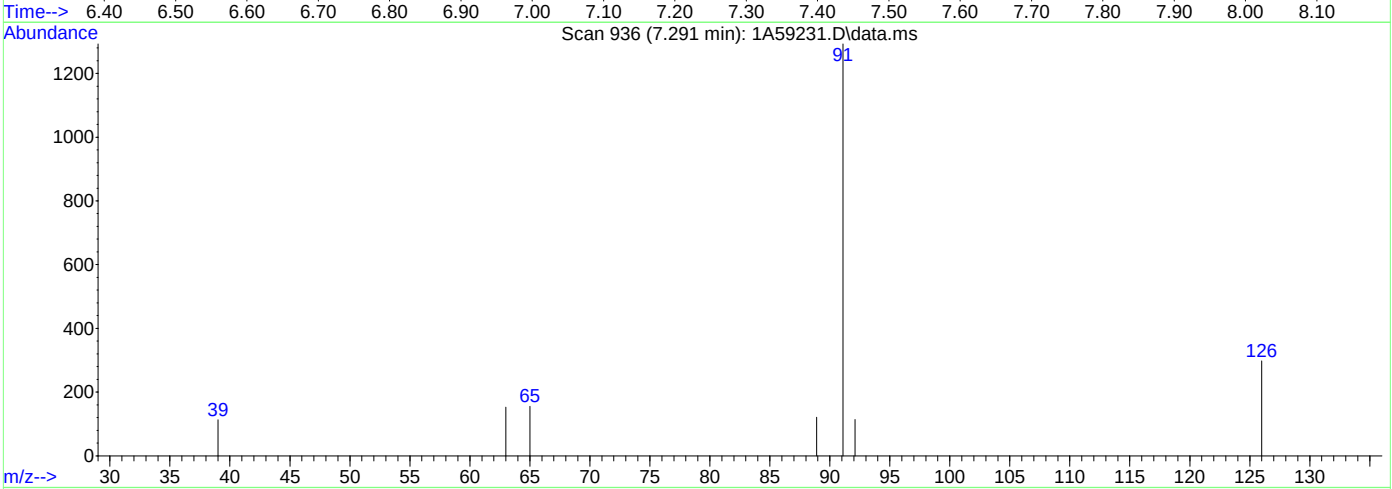
Ion	Exp%	Act%
126.00	100	0.00
91.00	481.00	0.00#
65.00	59.00	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59231.D
Acq On : 18 Sep 2024 8:42 am
Operator : jeniferw
Sample : IC3047-8 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 11:46:18 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59231.D\data.ms

(106) Benzyl Chloride

7.291min (+0.000) 1.71ug/L m

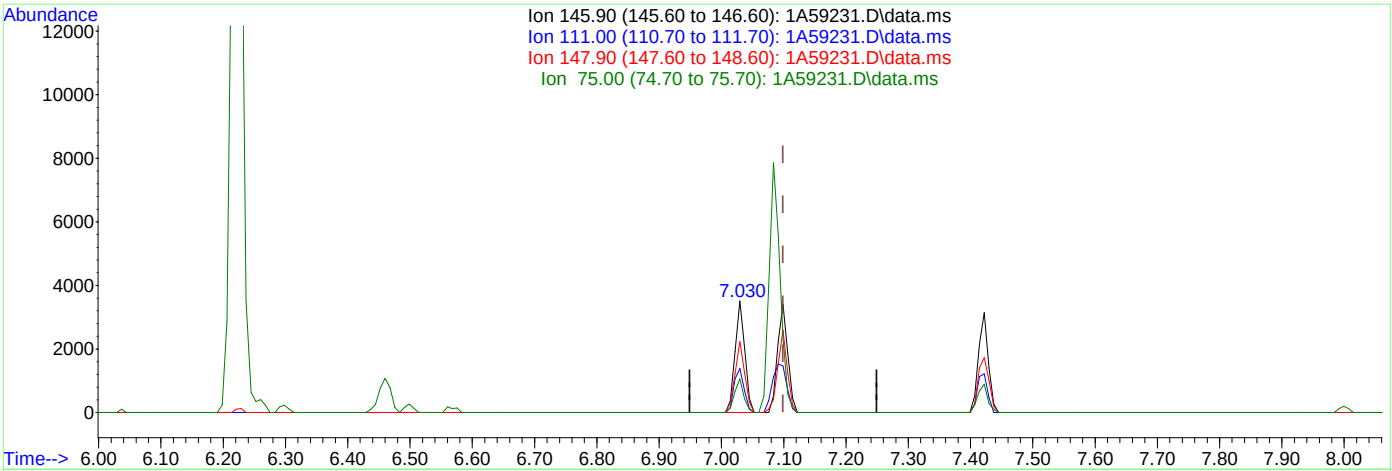
response 319

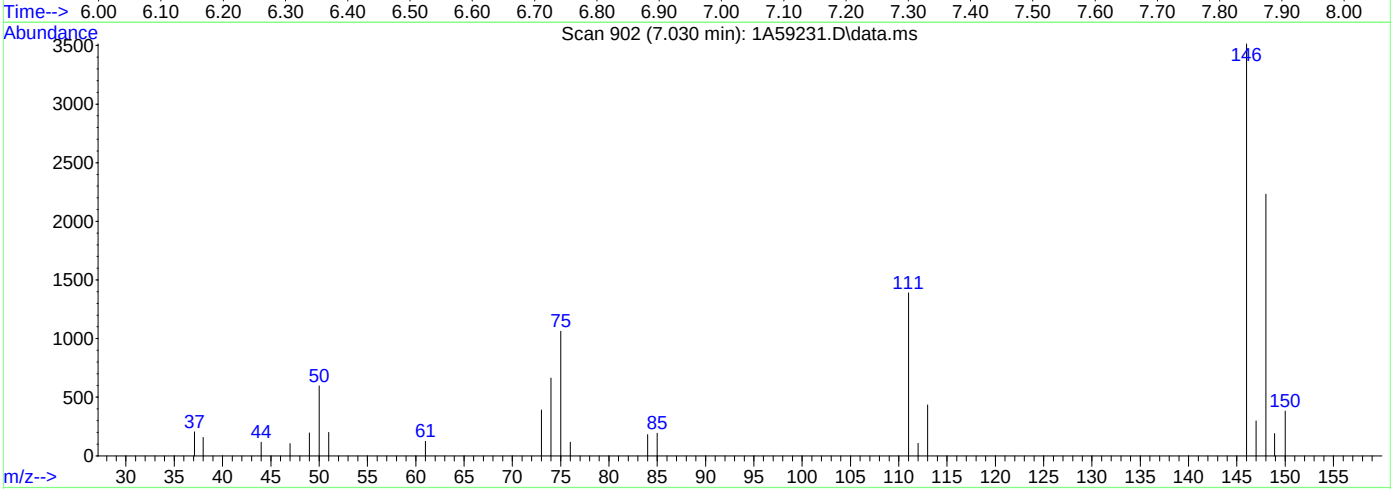
Ion	Exp%	Act%
126.00	100	100
91.00	481.00	433.89#
65.00	59.00	52.01
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59231.D
Acq On : 18 Sep 2024 8:42 am
Operator : jeniferw
Sample : IC3047-8 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 11:46:18 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59231.D\data.ms

(104) 1,4-Dichlorobenzene

7.030min (-0.069) 2.09ug/L

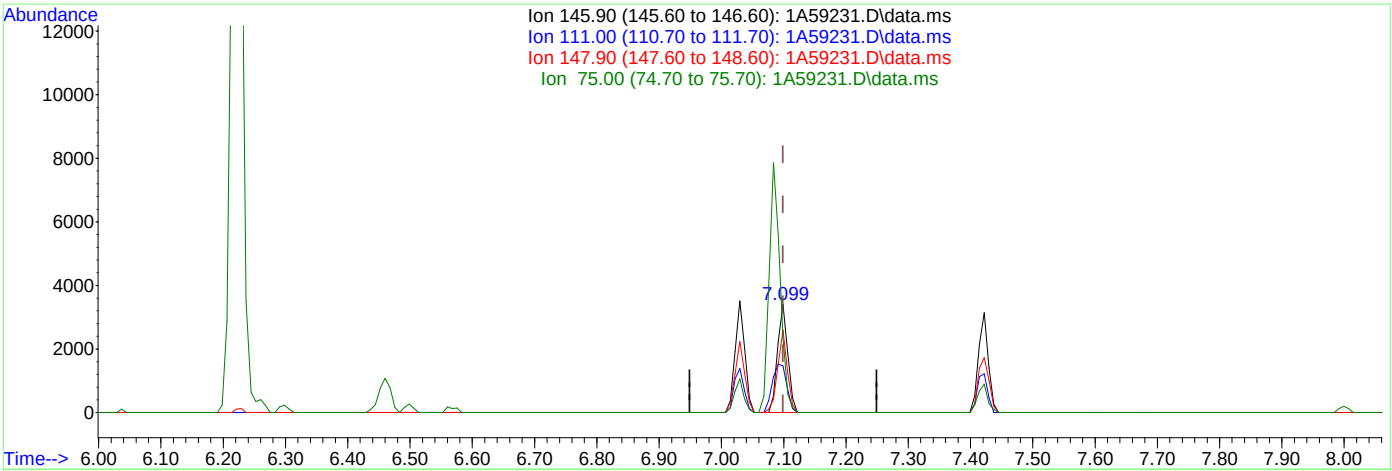
response 3825

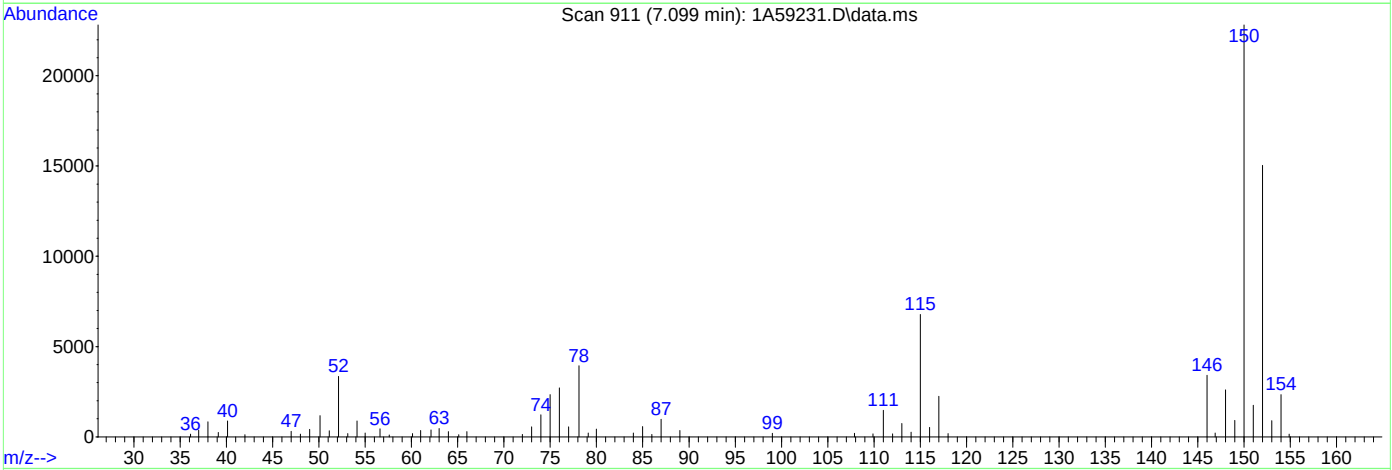
Ion	Exp%	Act%
145.90	100	100
111.00	41.10	39.53
147.90	64.40	63.52
75.00	33.80	30.25

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59231.D
Acq On : 18 Sep 2024 8:42 am
Operator : jeniferw
Sample : IC3047-8 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 11:46:18 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59231.D\data.ms

(104) 1,4-Dichlorobenzene

7.099min (-0.000) 2.14ug/L m

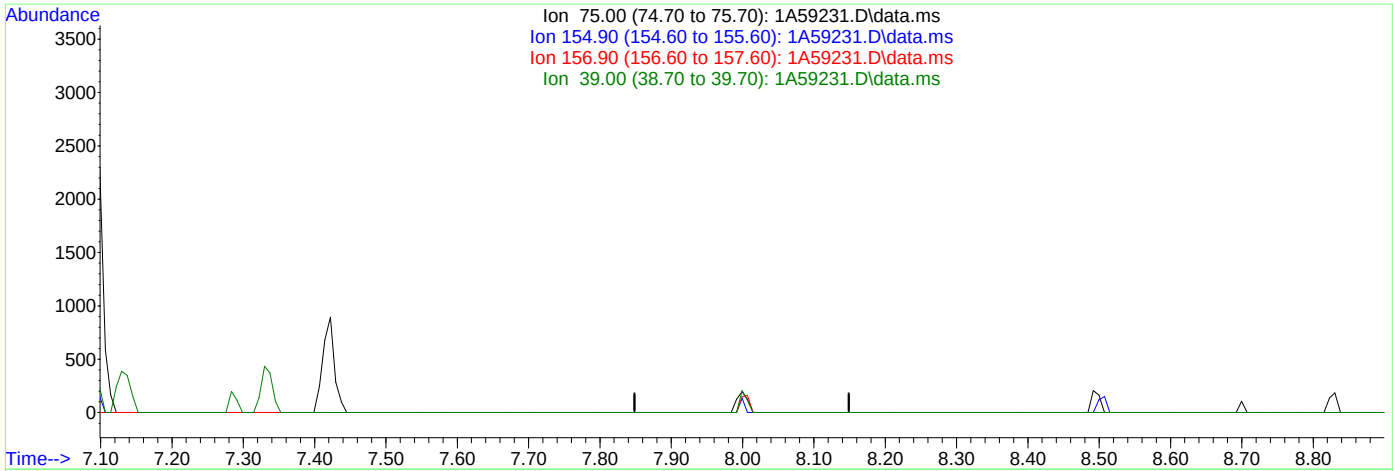
response 3926

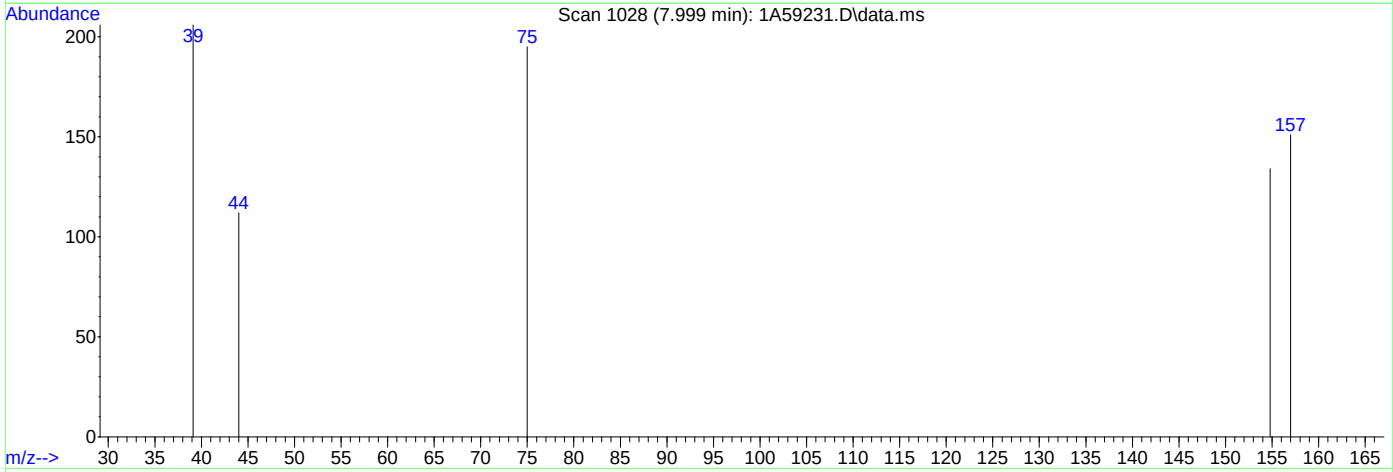
Ion	Exp%	Act%
145.90	100	100
111.00	41.10	43.21
147.90	64.40	76.25
75.00	33.80	68.78#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59231.D
Acq On : 18 Sep 2024 8:42 am
Operator : jeniferw
Sample : IC3047-8 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 11:46:18 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59231.D\data.ms

(108) 1,2-Dibromo-3-Chloropropane

7.999min (-7.999) 0.00ug/L

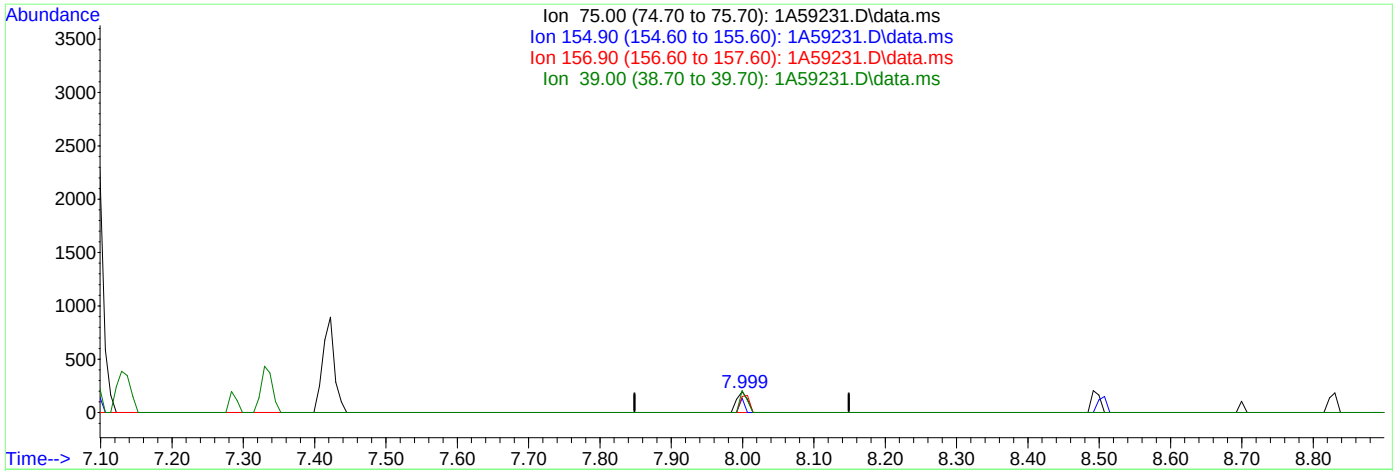
response 0

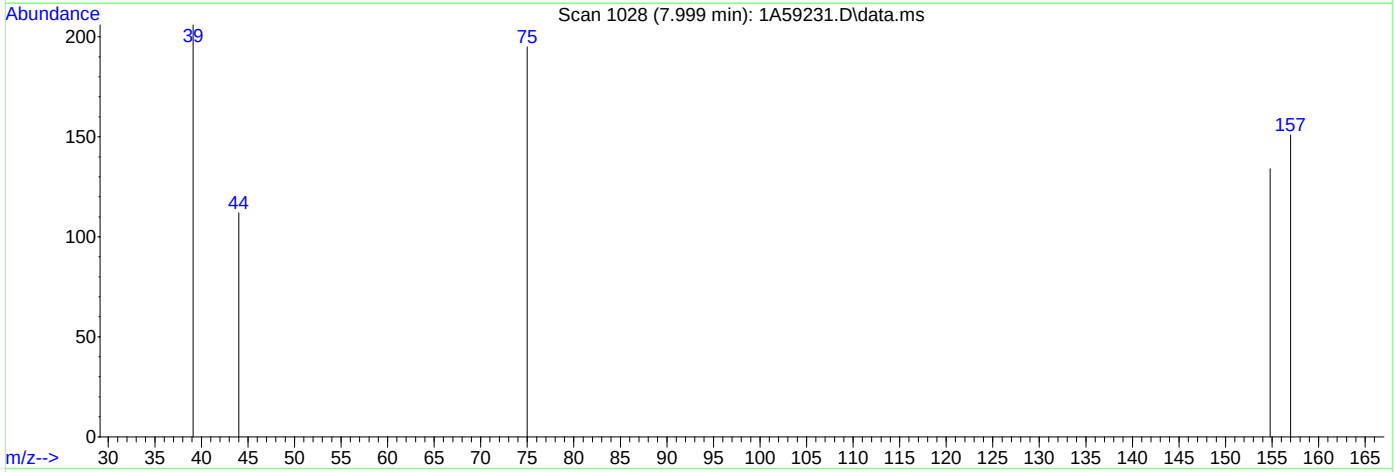
Ion	Exp%	Act%
75.00	100	0.00
154.90	75.30	0.00#
156.90	96.90	0.00#
39.00	77.50	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59231.D
Acq On : 18 Sep 2024 8:42 am
Operator : jeniferw
Sample : IC3047-8 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 11:46:18 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59231.D\data.ms

(108) 1,2-Dibromo-3-Chloropropane

7.999min (+0.000) 1.95ug/L m

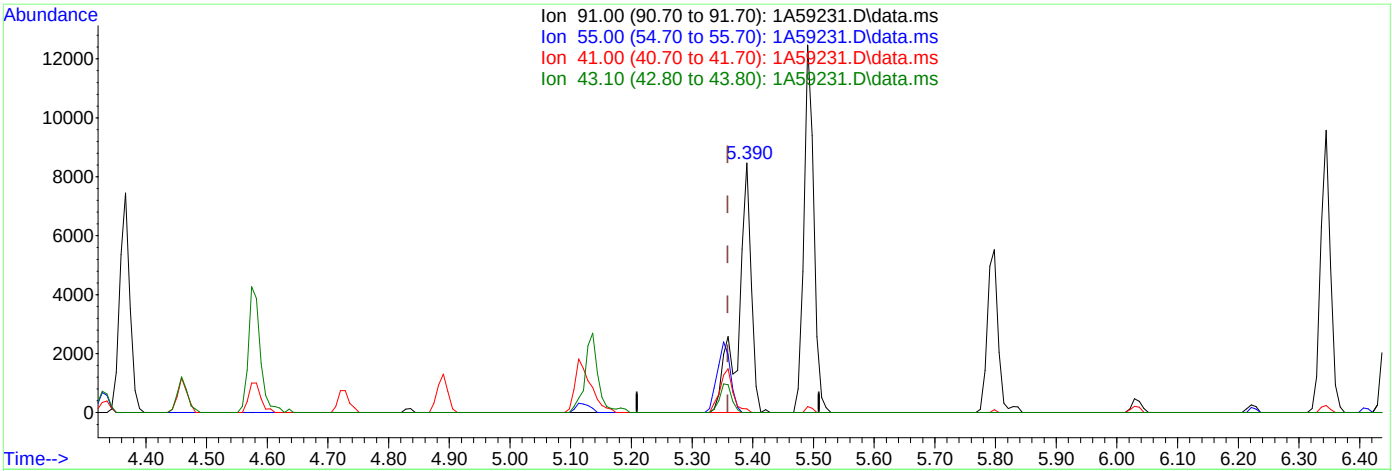
response 205

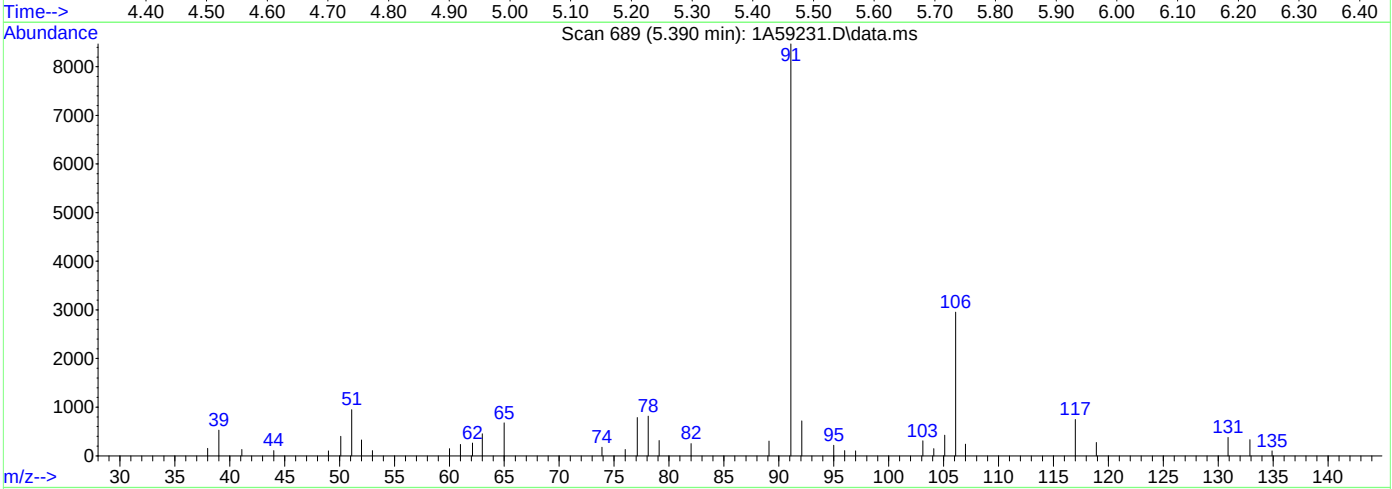
Ion	Exp%	Act%
75.00	100	100
154.90	75.30	68.72
156.90	96.90	77.44
39.00	77.50	105.64

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59231.D
Acq On : 18 Sep 2024 8:42 am
Operator : jeniferw
Sample : IC3047-8 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 11:46:18 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59231.D\data.ms

(76) 1-Chlorohexane

5.390min (+0.031) 7.97ug/L

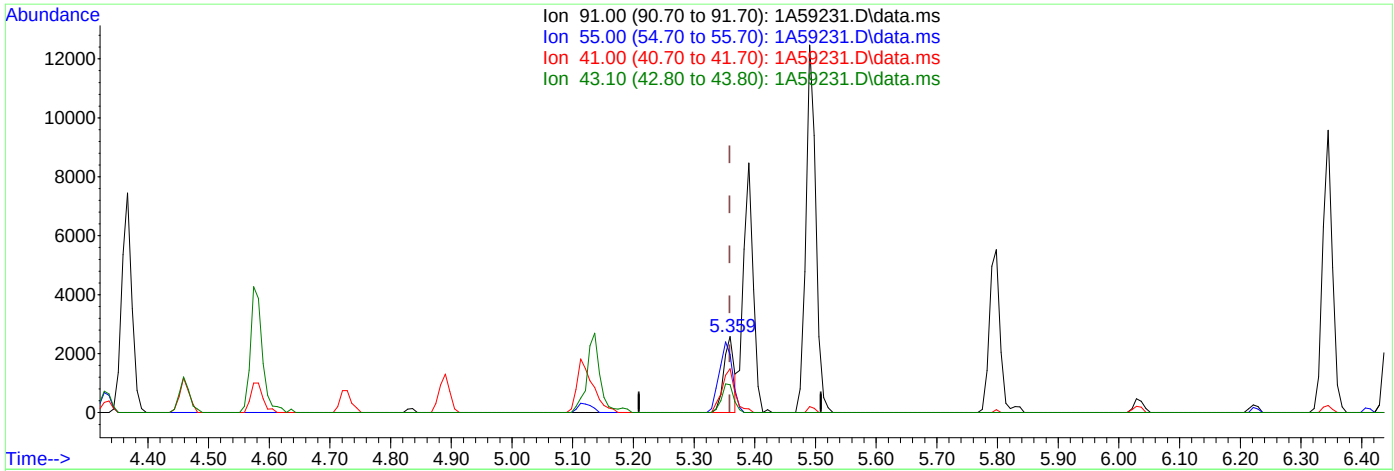
response 12566

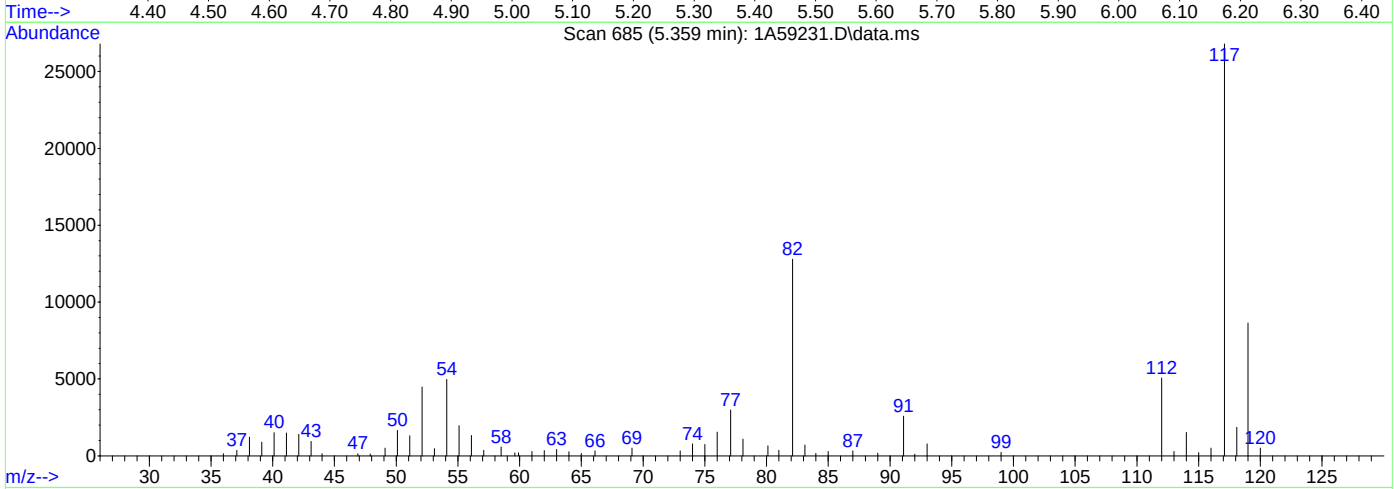
Ion	Exp%	Act%
91.00	100	100
55.00	77.50	0.00#
41.00	62.80	1.55#
43.10	51.70	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59231.D
Acq On : 18 Sep 2024 8:42 am
Operator : jeniferw
Sample : IC3047-8 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 11:46:18 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59231.D\data.ms

(76) 1-Chlorohexane

5.359min (+0.000) 1.93ug/L m

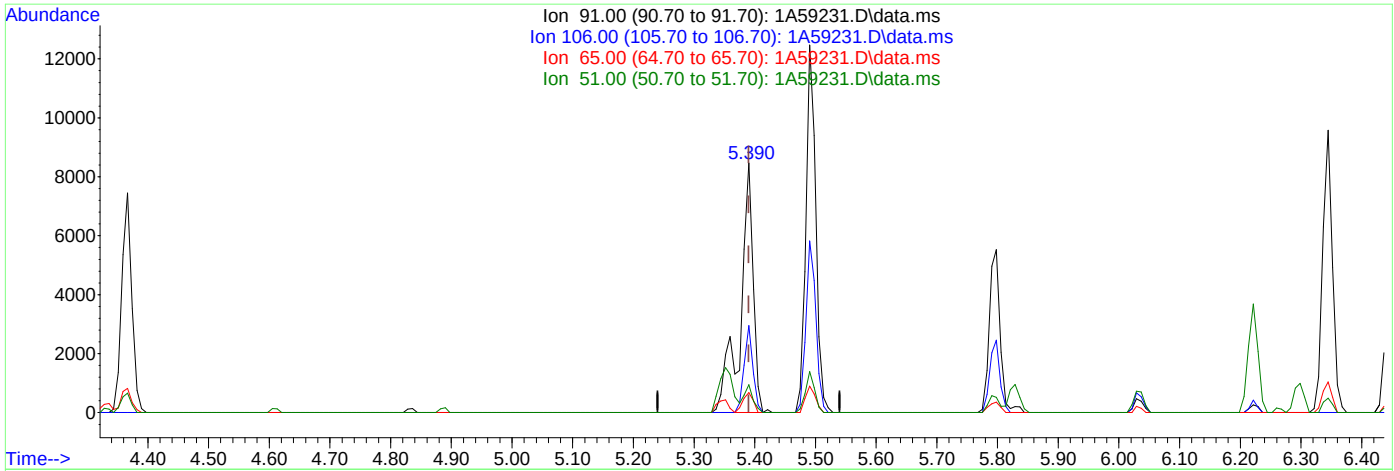
response 3043

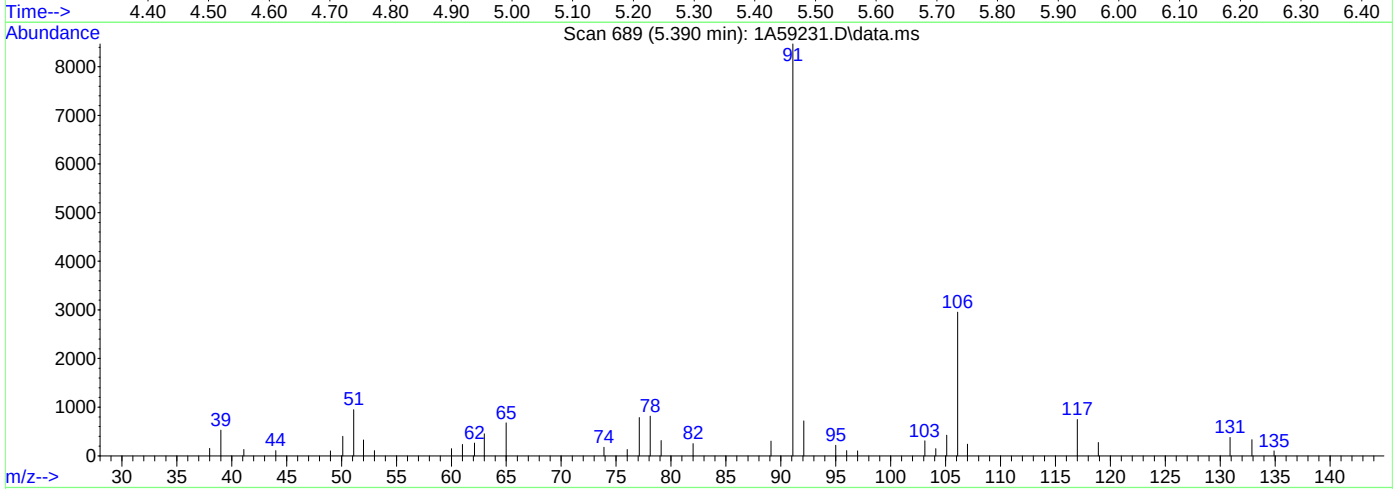
Ion	Exp%	Act%
91.00	100	100
55.00	77.50	76.11
41.00	62.80	57.61
43.10	51.70	36.47

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59231.D
Acq On : 18 Sep 2024 8:42 am
Operator : jeniferw
Sample : IC3047-8 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 11:46:18 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59231.D\data.ms

(77) Ethylbenzene

5.390min (+0.000) 2.74ug/L

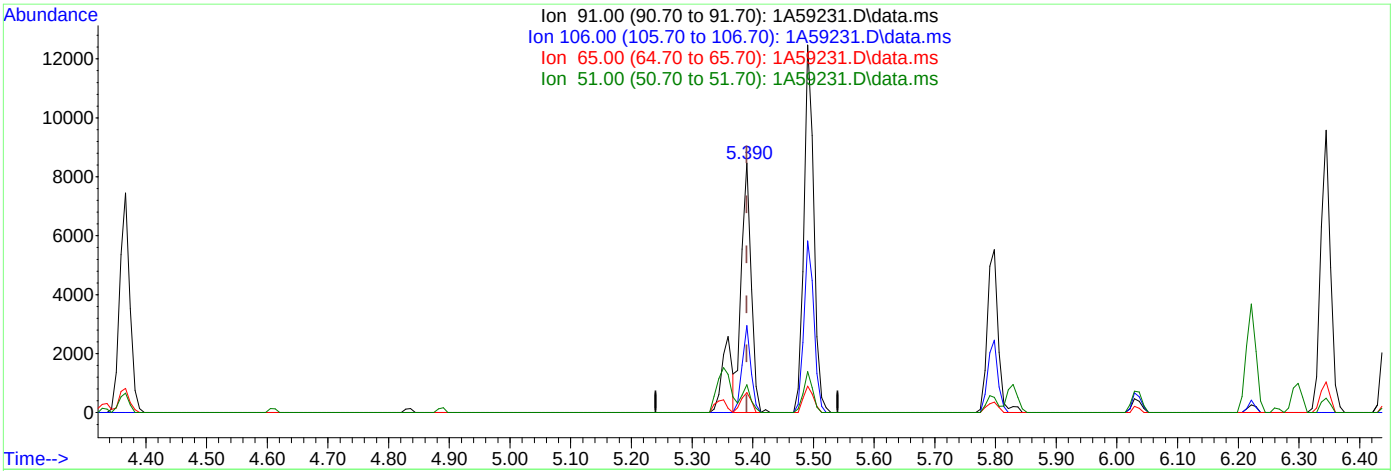
response 12566

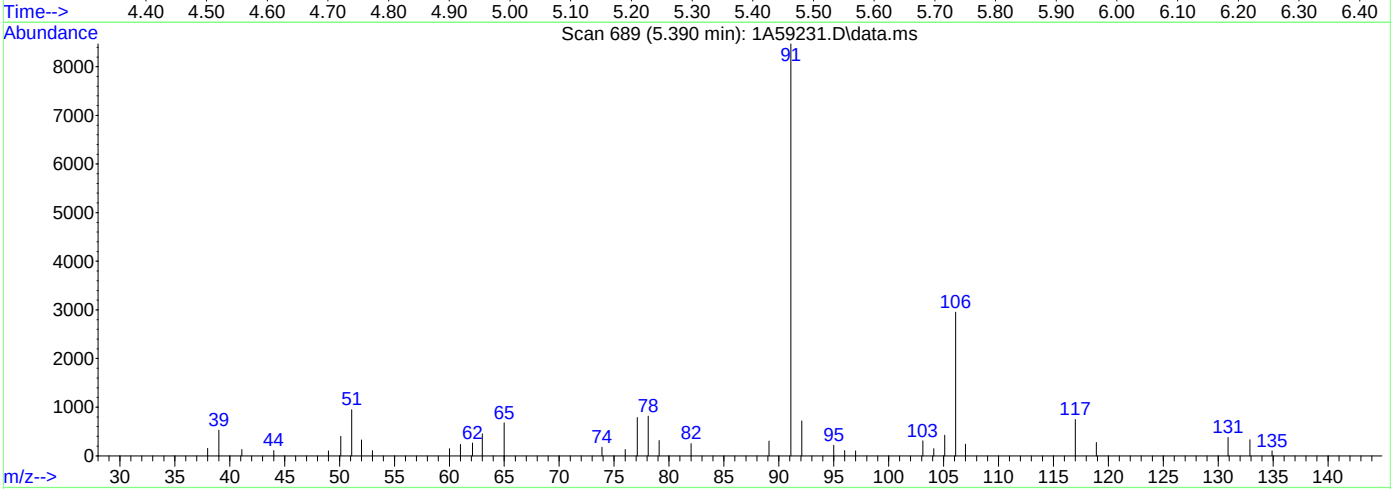
Ion	Exp%	Act%
91.00	100	100
106.00	29.70	34.85
65.00	9.20	8.00
51.00	10.90	11.19

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59231.D
Acq On : 18 Sep 2024 8:42 am
Operator : jeniferw
Sample : IC3047-8 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 11:46:18 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59231.D\data.ms

(77) Ethylbenzene

5.390min (+0.000) 2.08ug/L m

response 9522

Ion	Exp%	Act%
91.00	100	100
106.00	29.70	34.85
65.00	9.20	8.00
51.00	10.90	11.19

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/18/24 15:09

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59233.D
Acq On : 18 Sep 2024 9:14 am
Operator : jeniferw
Sample : IC3047-2 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 18 12:49:41 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	3.397	96	189941	50.00	ug/L		0.00
62) Chlorobenzene-d5	5.344	117	133802	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	7.084	152	69879	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	2.951	113	55843	51.12	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.24%				
49) 1,2-Dichloroethane-d4	3.228	65	60852	48.60	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 97.20%				
63) Toluene-d8	4.328	98	189642	51.28	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 102.56%				
86) 4-Bromofluorobenzene	6.222	174	56799	49.37	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.74%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.011	85	5508	4.24	ug/L		98
3) Chloromethane	1.119	50	5300	4.20	ug/L		98
4) 1,3-butadiene	1.173	39	4452	3.83	ug/L		94
5) Vinyl Chloride	1.165	62	5700	4.55	ug/L		91
6) Bromomethane	1.342	94	2574	5.03	ug/L		96
7) Chloroethane	1.411	64	4002	5.59	ug/L		98
8) Trichlorofluoromethane	1.488	101	8227	5.14	ug/L		98
9) Ethyl Ether	1.650	59	3498	4.53	ug/L		92
10) Ethanol	1.689	45	299m	51.25	ug/L		
11) 1,2-Dichlorotrifluoroe...	1.735	67	5699	4.78	ug/L		96
12) 1,1-Dichloroethene	1.750	61	6637	4.26	ug/L		95
13) Freon 113	1.781	101	4024	4.16	ug/L		94
14) Carbon Disulfide	1.773	76	13487	4.46	ug/L		98
15) Iodomethane	1.827	142	1832	3.11	ug/L		97
16) Acrolein	1.896	56	2336	18.02	ug/L		90
17) Allyl chloride	1.989	41	6006	3.77	ug/L		86
18) Methylene Chloride	2.035	49	13158	9.41	ug/L		94
19) Acetone	2.043	43	3829	20.10	ug/L		98
20) Methyl acetate	2.120	43	11548	20.69	ug/L		99
21) trans-1,2-Dichloroethene	2.127	61	6407	4.28	ug/L		88
22) Hexane	2.189	56	3605	3.61	ug/L		95
23) Methyl Tert Butyl Ether	2.181	73	9338	4.19	ug/L	#	52
24) Acetonitrile	2.266	41	4194	57.18	ug/L		96
25) Tert Butyl Alcohol	2.204	59	1856	38.67	ug/L	#	81
26) Di-isopropyl ether	2.381	45	12706	3.87	ug/L		96
27) Chloroprene	2.435	53	12457	4.08	ug/L		99
28) 1,1-Dichloroethane	2.435	63	8393	4.32	ug/L		98
29) Acrylonitrile	2.427	52	6607	21.02	ug/L		93
30) ETBE	2.574	59	11422	3.99	ug/L		98
31) Vinyl acetate	2.551	43	34567	18.84	ug/L		96
32) cis-1,2-Dichloroethene	2.712	96	4954	4.67	ug/L		95
33) 2,2-Dichloropropane	2.774	77	6387	4.55	ug/L		98
34) Bromochloromethane	2.812	128	2542	4.87	ug/L		94
35) Cyclohexane	2.851	56	7321	3.82	ug/L		92
36) Chloroform	2.851	83	8860	4.59	ug/L		98
37) Ethyl acetate	2.905	43	13852	19.80	ug/L		97
38) Tetrahydrofuran	2.943	42	937m	4.31	ug/L		
40) Carbon Tetrachloride	2.951	117	6274m	4.45	ug/L		
41) 1,1,1-Trichloroethane	2.982	97	7021	4.43	ug/L		98
42) 2-Butanone	2.997	43	6063	19.16	ug/L		92
43) 1,1-Dichloropropene	3.051	75	5496	4.45	ug/L		97
44) tert-Butyl formate	3.089	59	8931	17.69	ug/L		94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59233.D
Acq On : 18 Sep 2024 9:14 am
Operator : jeniferw
Sample : IC3047-2 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 18 12:49:41 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45)	Propionitrile	3.135	54	3958	41.33	ug/L		97
46)	Methacrylonitrile	3.159	41	18363	38.02	ug/L		98
47)	Benzene	3.174	78	17930	4.49	ug/L		95
48)	TAME	3.243	73	9020	4.13	ug/L		95
50)	1,2-Dichloroethane	3.266	62	6302	4.50	ug/L		96
51)	Isobutyl Alcohol	3.243	43	4394	72.63	ug/L		92
52)	Tert Amyl Alcohol	3.320	59	1129	32.19	ug/L		93
53)	Trichloroethene	3.505	95	4990	4.52	ug/L		94
54)	Methylcyclohexane	3.520	83	6818	4.03	ug/L		96
55)	Dibromomethane	3.728	93	2827	4.78	ug/L		95
56)	1,2-Dichloropropane	3.782	63	4904	4.59	ug/L		94
57)	Bromodichloromethane	3.820	83	6124	4.60	ug/L		97
58)	Methyl methacrylate	3.913	41	2097	3.30	ug/L		82
59)	1,4-Dioxane	3.936	88	334m	70.60	ug/L		
60)	2-Chloroethyl vinyl ether	4.159	63	6880	17.05	ug/L		95
61)	cis-1,3-Dichloropropene	4.205	75	6165	4.12	ug/L		98
64)	Toluene	4.367	91	19847	4.84	ug/L		99
65)	2-Nitropropane	4.459	41	3103	22.17	ug/L		98
66)	4-Methyl-2-pentanone	4.575	43	12478	18.60	ug/L		98
67)	trans-1,3-Dichloropropene	4.605	75	5169	4.10	ug/L		97
68)	Tetrachloroethene	4.621	166	5214	5.01	ug/L		96
69)	Ethyl methacrylate	4.721	69	3158	3.67	ug/L		88
70)	1,1,2-Trichloroethane	4.705	83	2947	4.80	ug/L		97
71)	Dibromochloromethane	4.836	129	3707	4.44	ug/L		96
72)	1,3-Dichloropropane	4.890	76	5949	4.60	ug/L		94
73)	1,2-Dibromoethane	4.990	107	3399	4.78	ug/L		97
74)	3,3-Dimethyl-1-Butanol	5.113	57	8784	196.05	ug/L		97
75)	2-hexanone	5.136	43	9732	18.78	ug/L		82
76)	1-Chlorohexane	5.360	91	5855m	3.76	ug/L		
77)	Ethylbenzene	5.390	91	22117m	4.89	ug/L		
78)	Chlorobenzene	5.360	112	12657	4.88	ug/L		93
79)	1,1,1,2-Tetrachloroethane	5.406	131	3775	4.53	ug/L		99
80)	m,p-Xylene	5.491	91	33136	9.24	ug/L		99
81)	o-Xylene	5.798	91	16361	4.58	ug/L		96
82)	Styrene	5.829	104	11594	4.59	ug/L		97
83)	Bromoform	5.829	173	2042	4.56	ug/L		93
84)	Isopropylbenzene	6.037	105	18757	4.56	ug/L		96
87)	cis-1,4-Dichloro-2-butene	6.260	53	993m	3.84	ug/L		
88)	n-Propylbenzene	6.345	91	24097	4.76	ug/L		97
89)	Bromobenzene	6.299	156	5072	4.86	ug/L		96
90)	1,1,2,2-Tetrachloroethane	6.368	83	3454	4.45	ug/L		88
91)	1,3,5-Trimethylbenzene	6.499	105	14380	4.40	ug/L		100
92)	2-Chlorotoluene	6.445	91	13865	4.72	ug/L		98
93)	trans-1,4-Dichloro-2-B...	6.499	53	1255	3.80	ug/L		94
94)	1,2,3-Trichloropropane	6.460	110	1005m	4.85	ug/L		
95)	Cyclohexanone	6.406	55	471m	26.30	ug/L		
96)	4-Chlorotoluene	6.576	91	13568	4.46	ug/L		95
97)	tert-Butylbenzene	6.737	91	9162	4.57	ug/L		95
98)	1,2,4-Trimethylbenzene	6.791	105	13689	4.47	ug/L		95
99)	Pentachloroethane	6.737	167	2209	4.26	ug/L	#	79
100)	sec-Butylbenzene	6.884	105	19187	4.64	ug/L		97
101)	4-Isopropyltoluene	6.999	119	15301	4.58	ug/L		98
102)	1,3-Dichlorobenzene	7.030	146	8960	4.93	ug/L		98
103)	1,2,3-Trimethylbenzene	7.130	105	14587	4.63	ug/L		98
104)	1,4-Dichlorobenzene	7.099	146	8859	4.80	ug/L		94
105)	n-Butylbenzene	7.330	92	7038	4.57	ug/L		96
106)	Benzyl Chloride	7.284	126	903m	4.74	ug/L		
107)	1,2-Dichlorobenzene	7.422	146	7380	4.63	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59233.D
Acq On : 18 Sep 2024 9:14 am
Operator : jeniferw
Sample : IC3047-2 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 18 12:49:41 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration

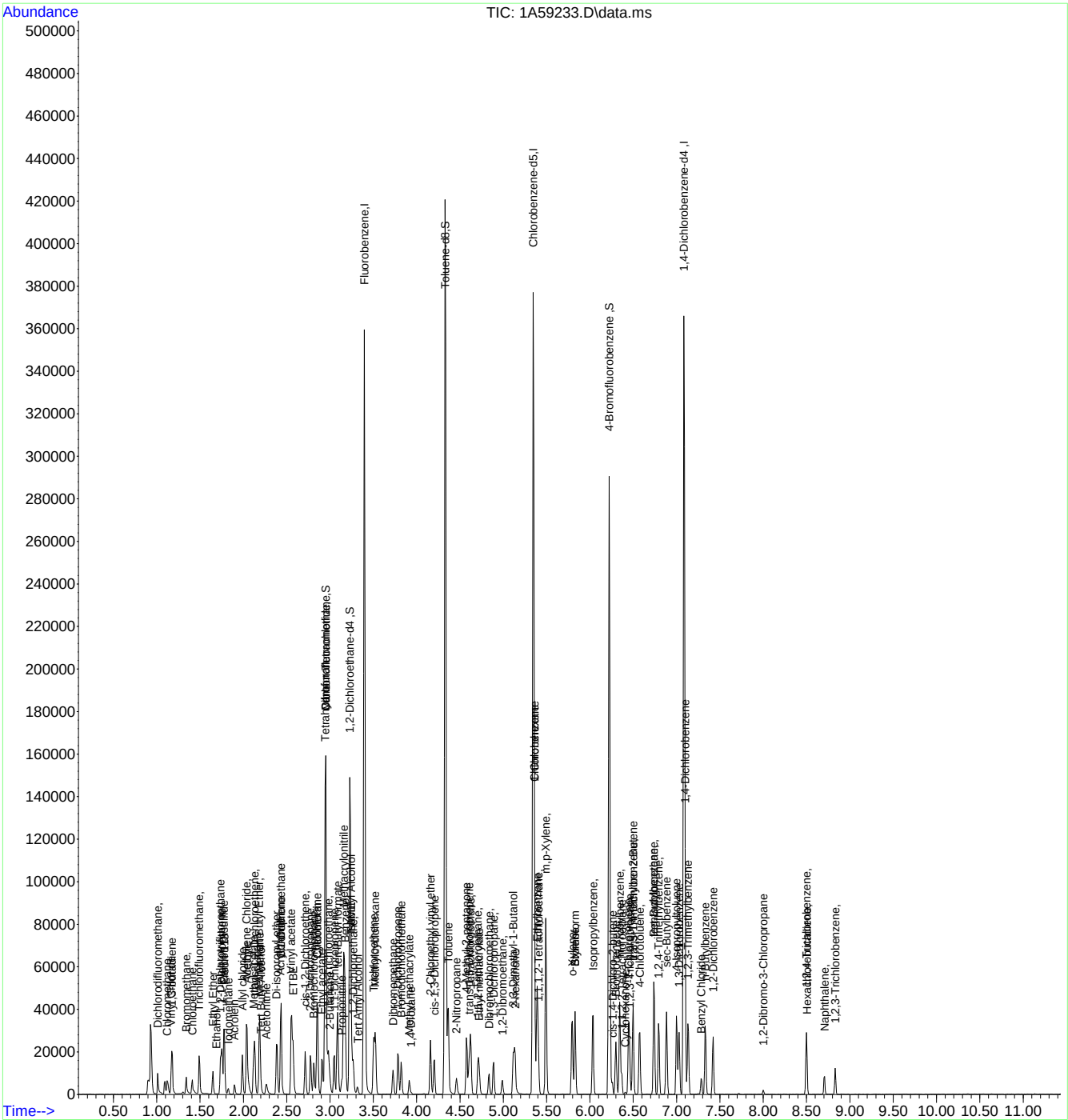
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) 1,2-Dibromo-3-Chloropr...	8.000	75	396m	3.74	ug/L	
109) Hexachlorobutadiene	8.508	225	2061	4.71	ug/L	86
110) 1,2,4-Trichlorobenzene	8.500	180	3313	4.29	ug/L	92
111) Naphthalene	8.708	128	4702	4.23	ug/L	97
112) 1,2,3-Trichlorobenzene	8.831	180	2546	4.36	ug/L	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59233.D
Acq On : 18 Sep 2024 9:14 am
Operator : jeniferw
Sample : IC3047-2 Inst : MSVOA17-1A_2A
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Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration



Manual Integration Approval Summary

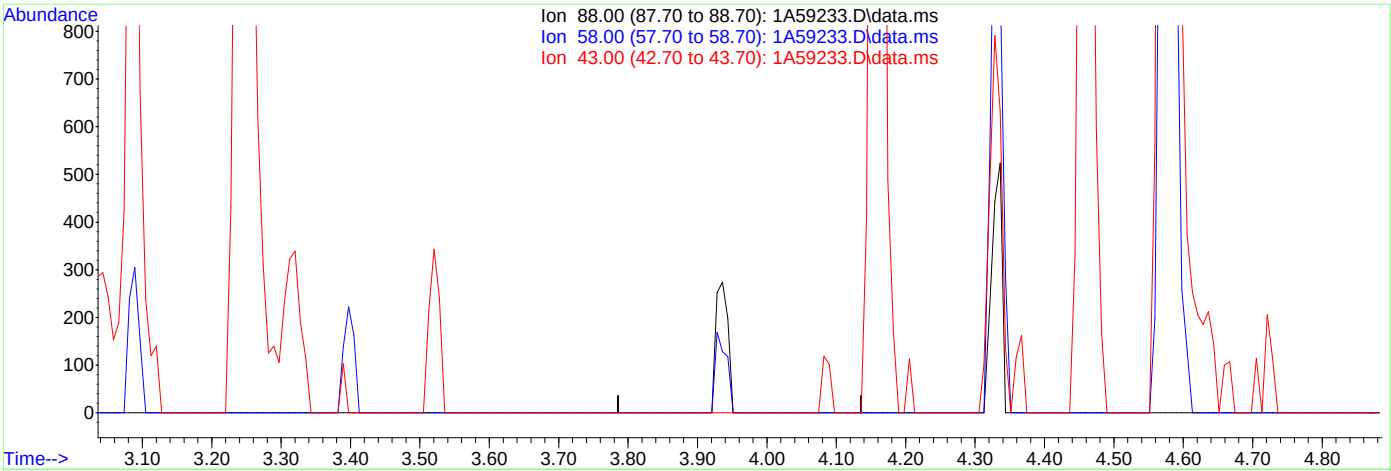
Sample Number: V1A3047-IC3047 **Method:** SW846 8260D
Lab FileID: 1A59233.D **Analyst approved:** 09/18/24 14:30 Jenifer Willis
Injection Time: 09/18/24 09:14 **Supervisor approved:** 09/18/24 15:09 Karen Watson

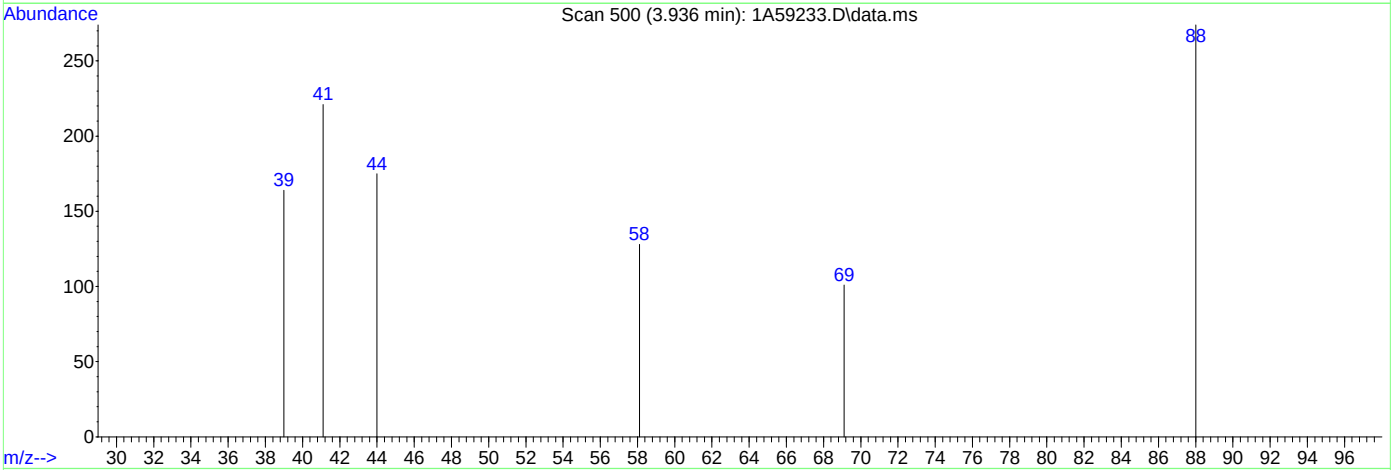
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		1.69	Poorly defined baseline
Tetrahydrofuran	109-99-9		2.94	Missed peak
Carbon Tetrachloride	56-23-5		2.95	Overlapping peak
1,4-Dioxane	123-91-1		3.94	Missed peak
1-Chlorohexane	544-10-5		5.36	Overlapping peak
Ethylbenzene	100-41-4		5.39	Overlapping peak
cis-1,4-Dichloro-2-Butene	1476-11-5		6.26	Missed peak
Cyclohexanone	108-94-1		6.41	Missed peak
1,2,3-Trichloropropane	96-18-4		6.46	Missed peak
Benzyl Chloride	100-44-7		7.28	Missed peak
1,2-Dibromo-3-chloropropane	96-12-8		8.00	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59233.D
Acq On : 18 Sep 2024 9:14 am
Operator : jeniferw
Sample : IC3047-2 Inst : MSVOA17-1A_2A
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TIC: 1A59233.D\data.ms

(59) 1,4-Dioxane

3.936min (-3.936) 0.00ug/L

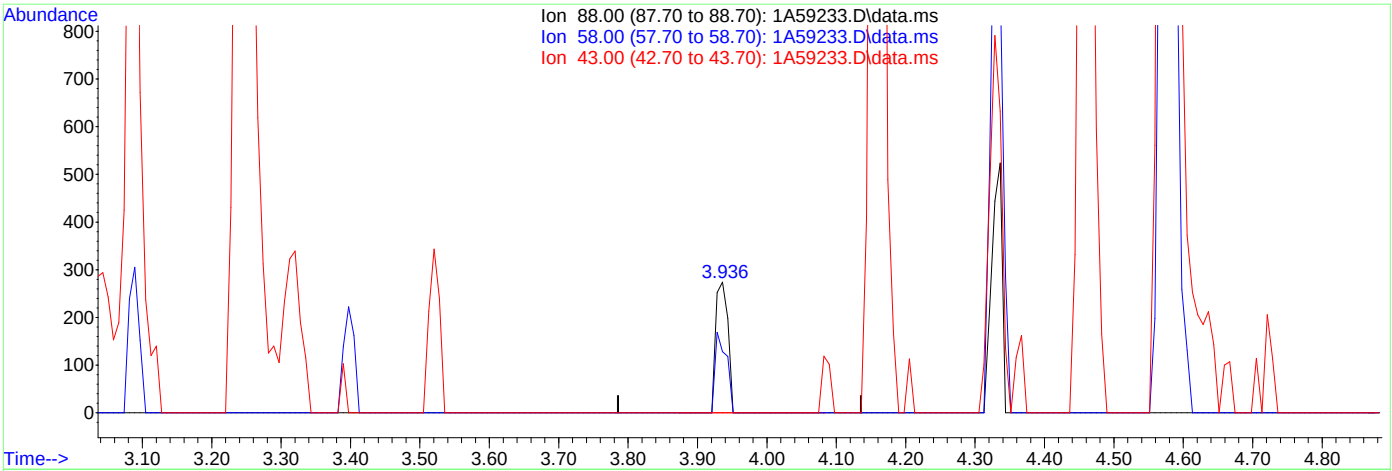
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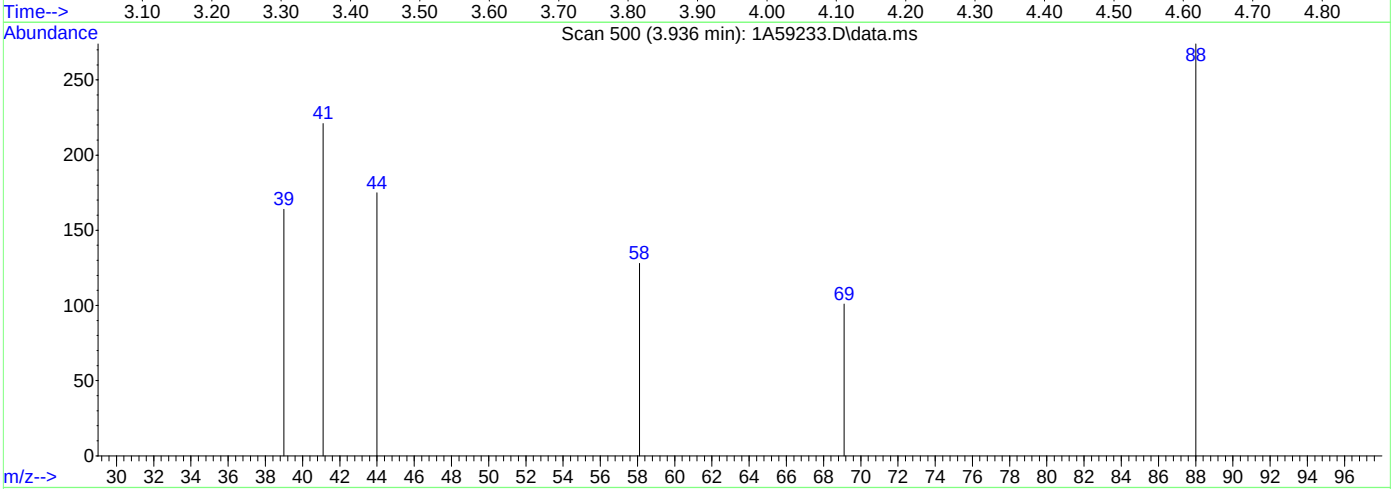
Ion	Exp%	Act%
88.00	100	0.00
58.00	68.90	0.00#
43.00	24.60	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59233.D
Acq On : 18 Sep 2024 9:14 am
Operator : jeniferw
Sample : IC3047-2 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 18 11:46:20 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59233.D\data.ms

(59) 1,4-Dioxane

3.936min (-0.000) 70.60ug/L m

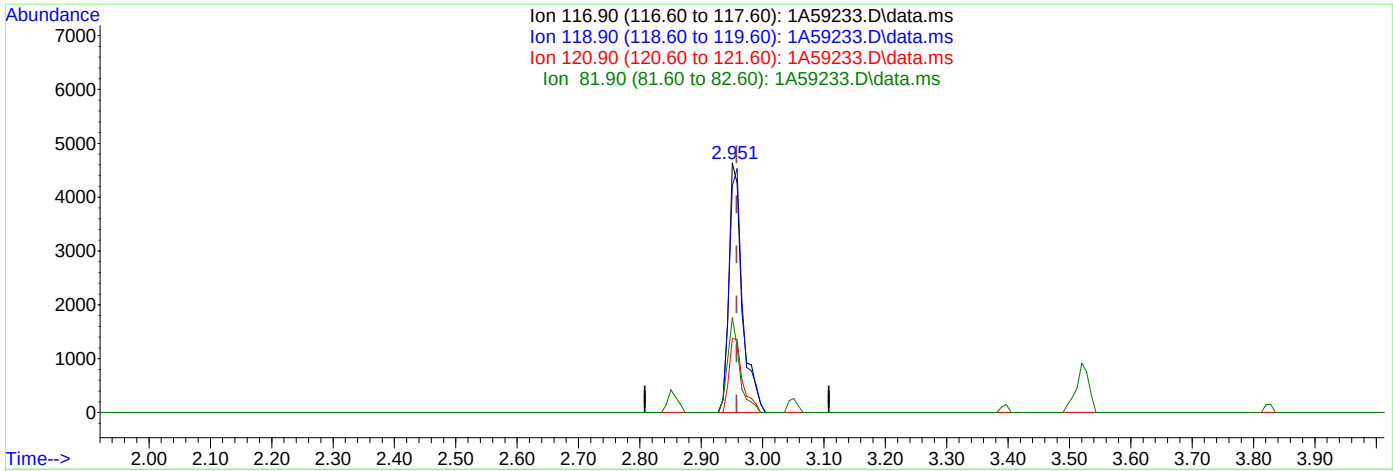
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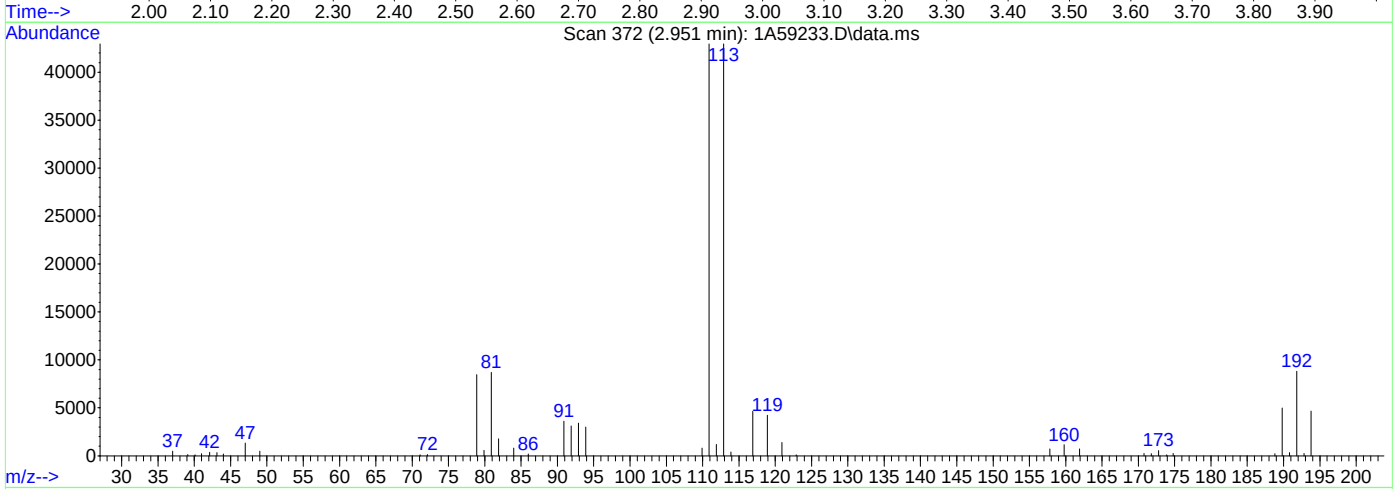
Ion	Exp%	Act%
88.00	100	100
58.00	68.90	46.72
43.00	24.60	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59233.D
Acq On : 18 Sep 2024 9:14 am
Operator : jeniferw
Sample : IC3047-2 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 18 11:46:20 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59233.D\data.ms

(40) Carbon Tetrachloride ( )

2.951min (-0.007) 4.95ug/L

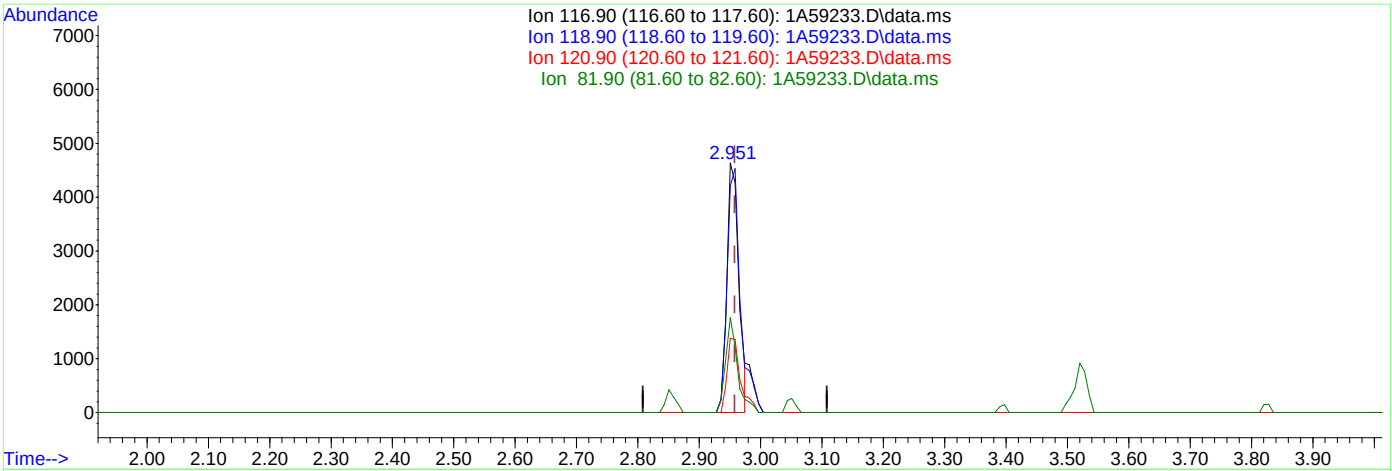
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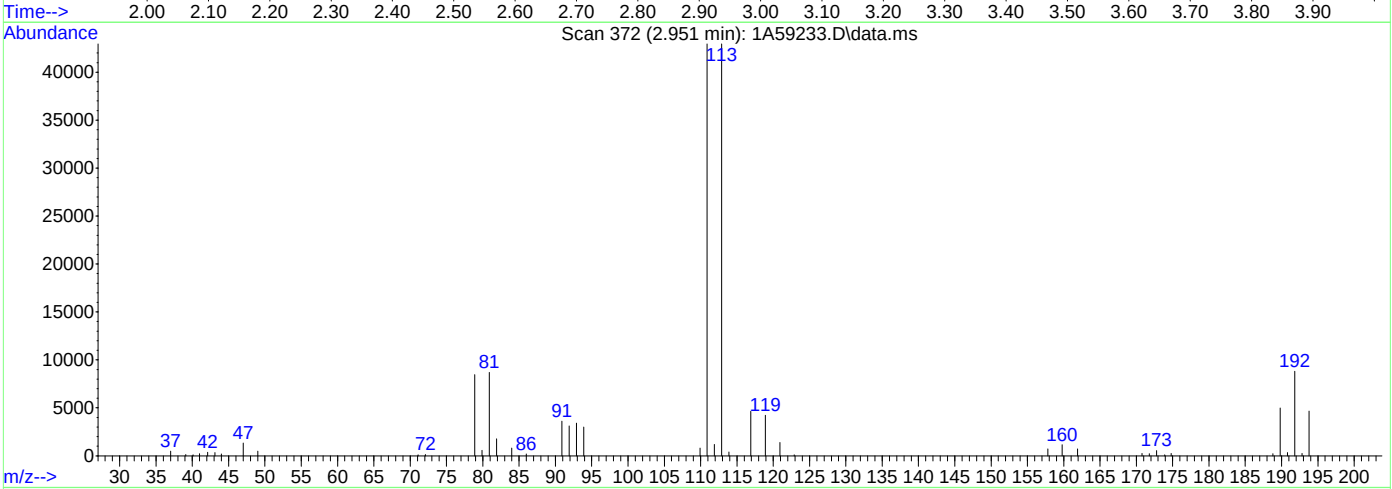
Ion	Exp%	Act%
116.90	100	100
118.90	96.70	90.81
120.90	32.00	29.77
81.90	24.70	38.03

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59233.D
Acq On : 18 Sep 2024 9:14 am
Operator : jeniferw
Sample : IC3047-2 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 18 11:46:20 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59233.D\data.ms

(40) Carbon Tetrachloride ( )

2.951min (-0.007) 4.45ug/L m

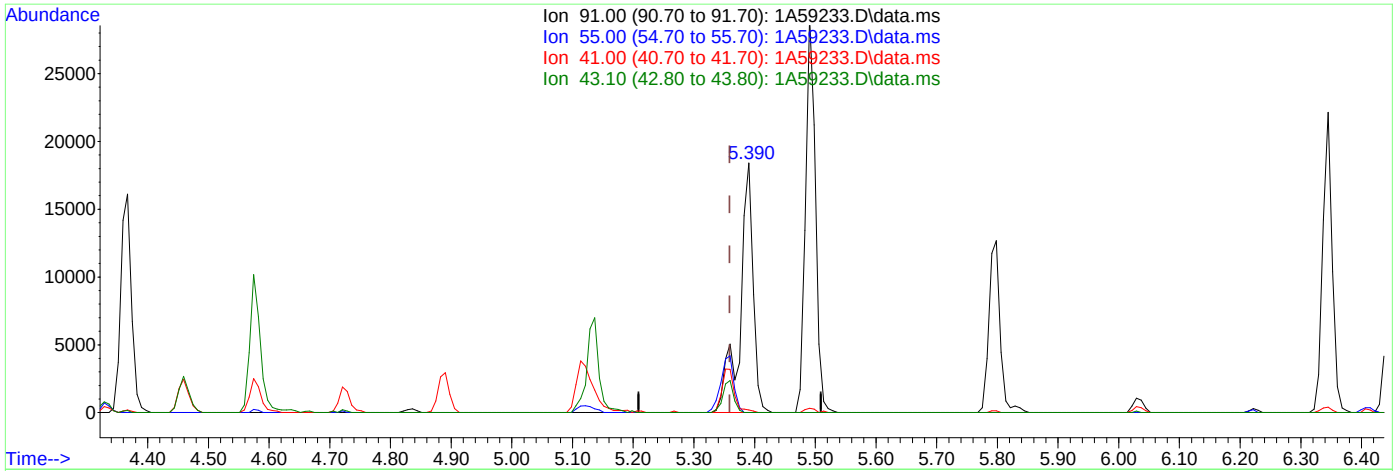
response 6274

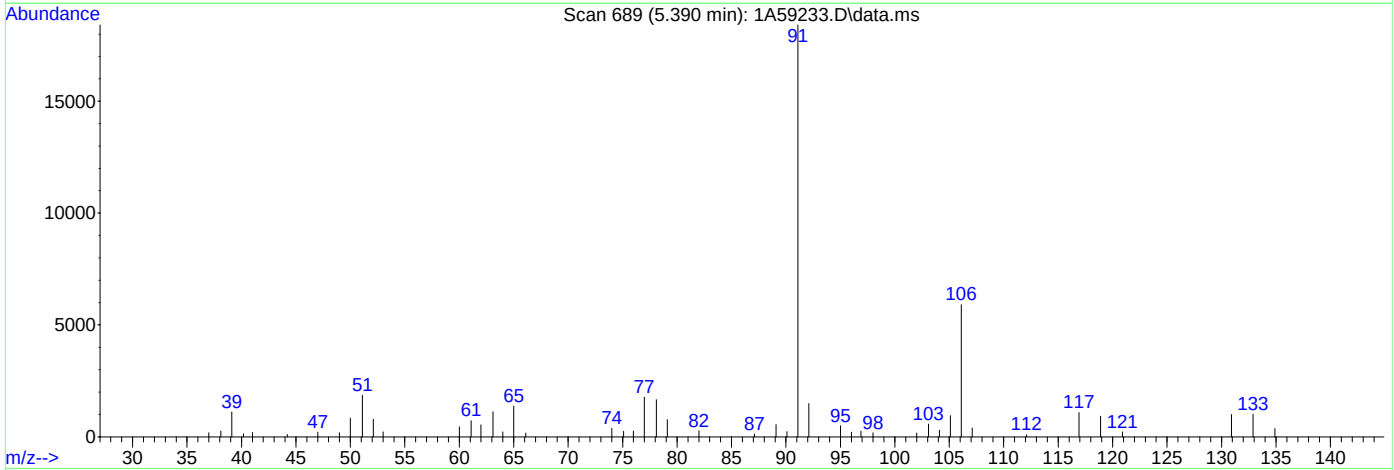
Ion	Exp%	Act%
116.90	100	100
118.90	96.70	90.81
120.90	32.00	29.77
81.90	24.70	38.03

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59233.D
Acq On : 18 Sep 2024 9:14 am
Operator : jeniferw
Sample : IC3047-2 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 18 11:46:20 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59233.D\data.ms

(76) 1-Chlorohexane

5.390min (+0.031) 17.95ug/L

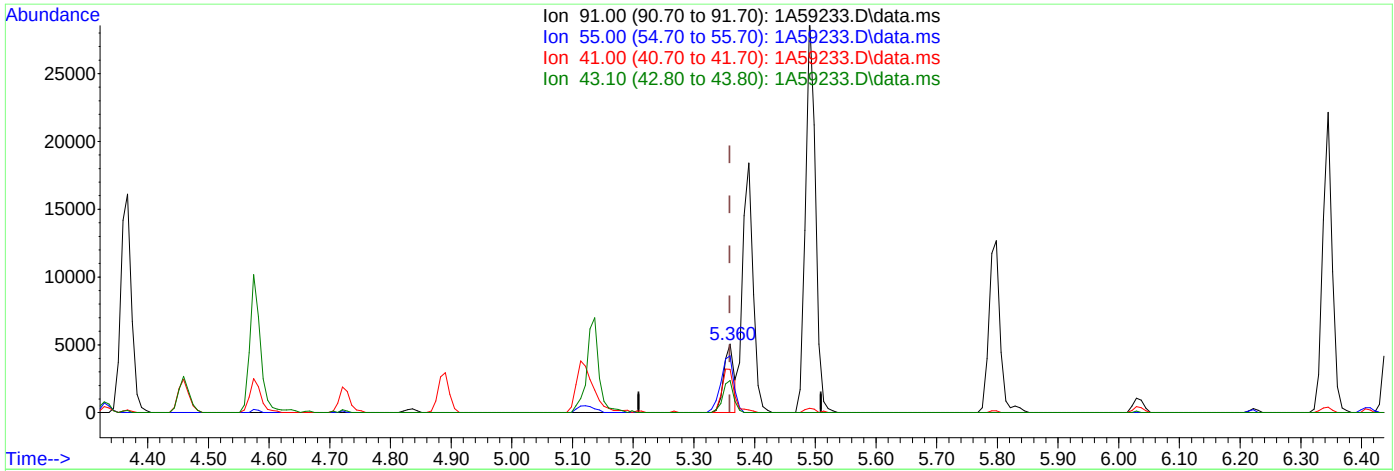
response 27977

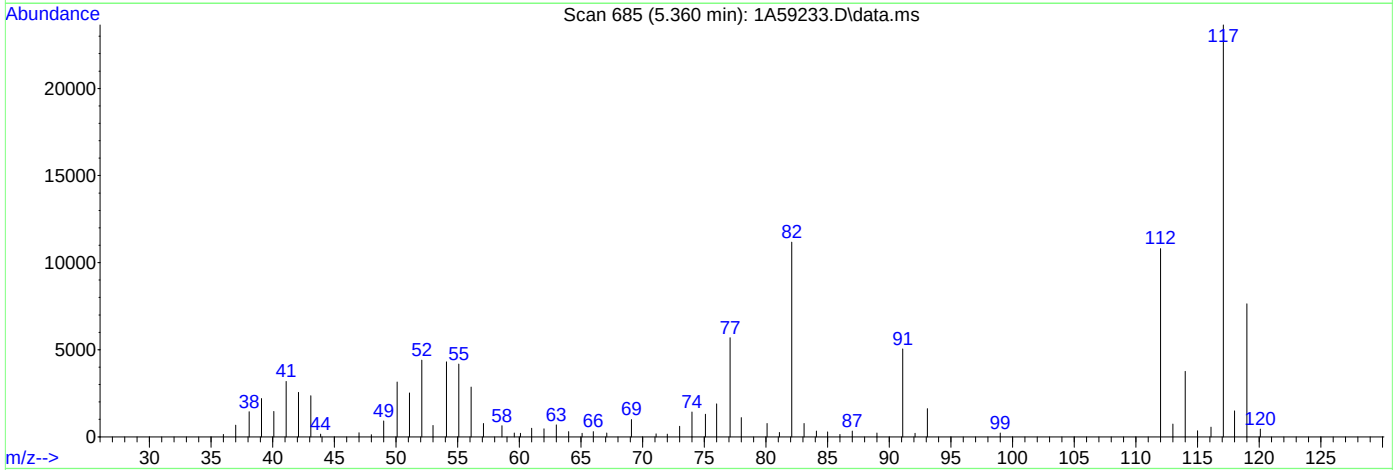
Ion	Exp%	Act%
91.00	100	100
55.00	77.50	0.00#
41.00	62.80	1.05#
43.10	51.70	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59233.D
Acq On : 18 Sep 2024 9:14 am
Operator : jeniferw
Sample : IC3047-2 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 18 11:46:20 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59233.D\data.ms

(76) 1-Chlorohexane

5.360min (+0.001) 3.76ug/L m

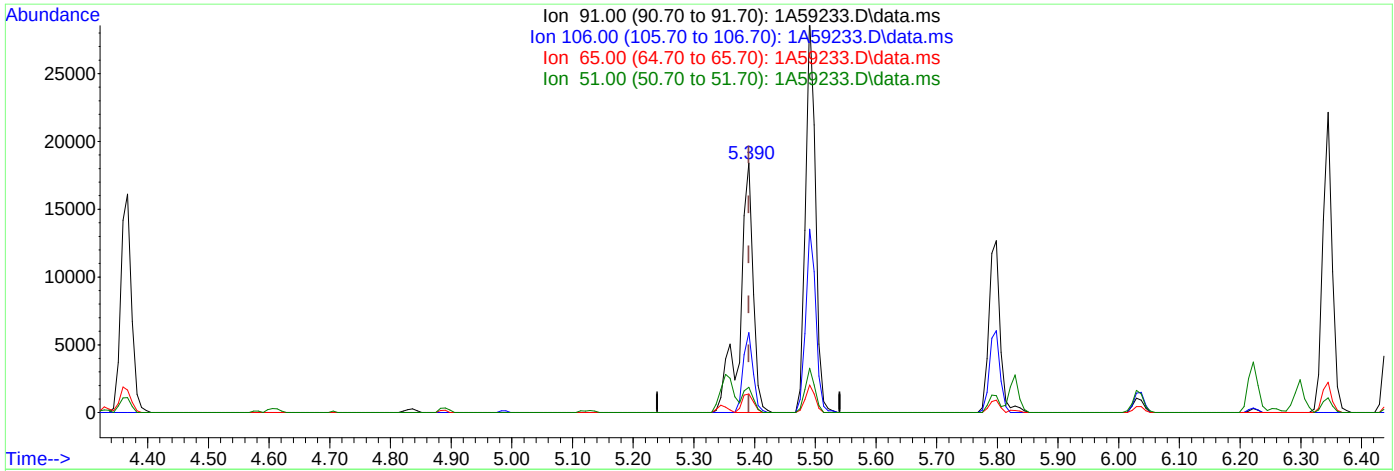
response 5855

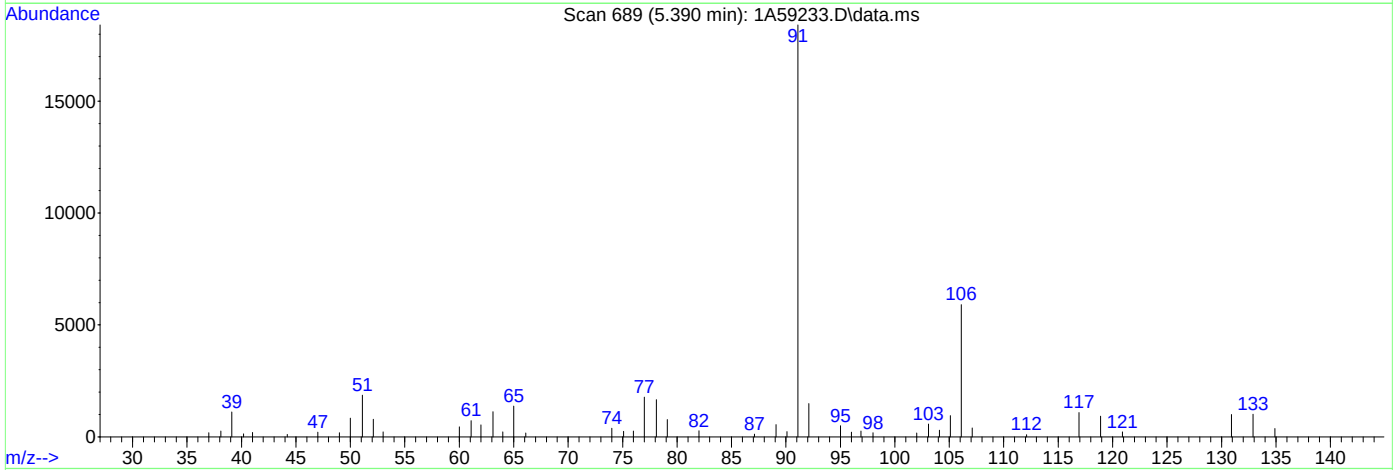
Ion	Exp%	Act%
91.00	100	100
55.00	77.50	82.89
41.00	62.80	63.09
43.10	51.70	46.86

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59233.D
Acq On : 18 Sep 2024 9:14 am
Operator : jeniferw
Sample : IC3047-2 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 18 11:46:20 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59233.D\data.ms

(77) Ethylbenzene

5.390min (+0.000) 6.18ug/L

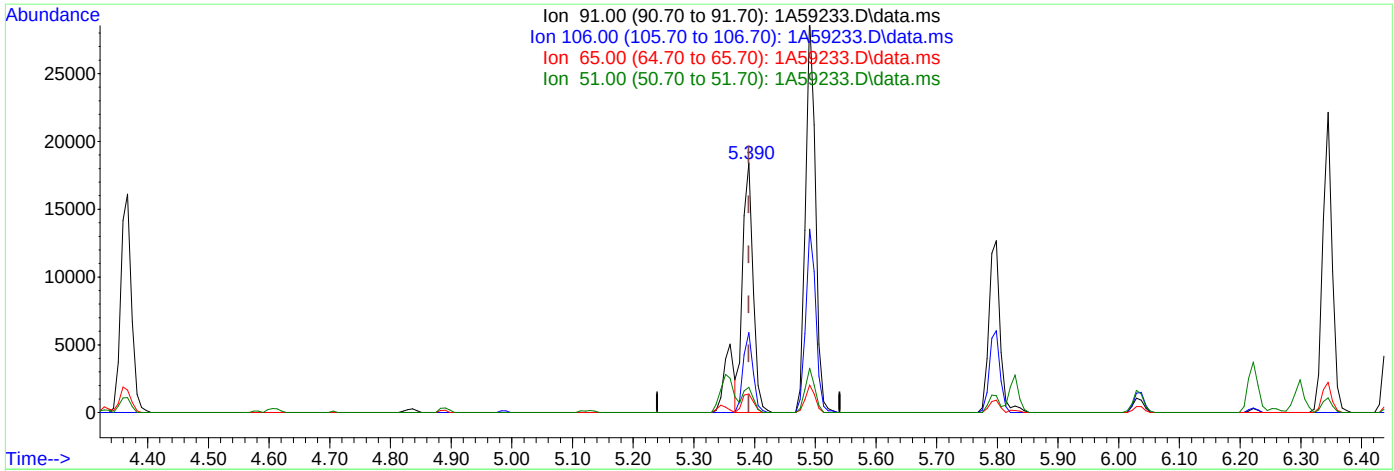
response 27977

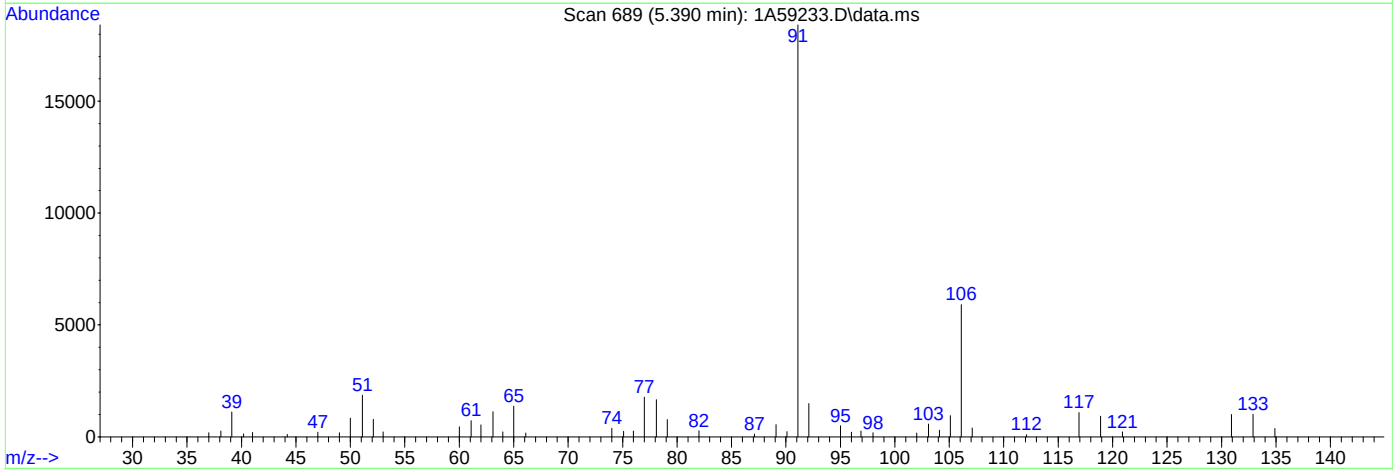
Ion	Exp%	Act%
91.00	100	100
106.00	29.70	32.09
65.00	9.20	7.44
51.00	10.90	10.13

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59233.D
Acq On : 18 Sep 2024 9:14 am
Operator : jeniferw
Sample : IC3047-2 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 18 11:46:20 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59233.D\data.ms

(77) Ethylbenzene

5.390min (+0.000) 4.89ug/L m

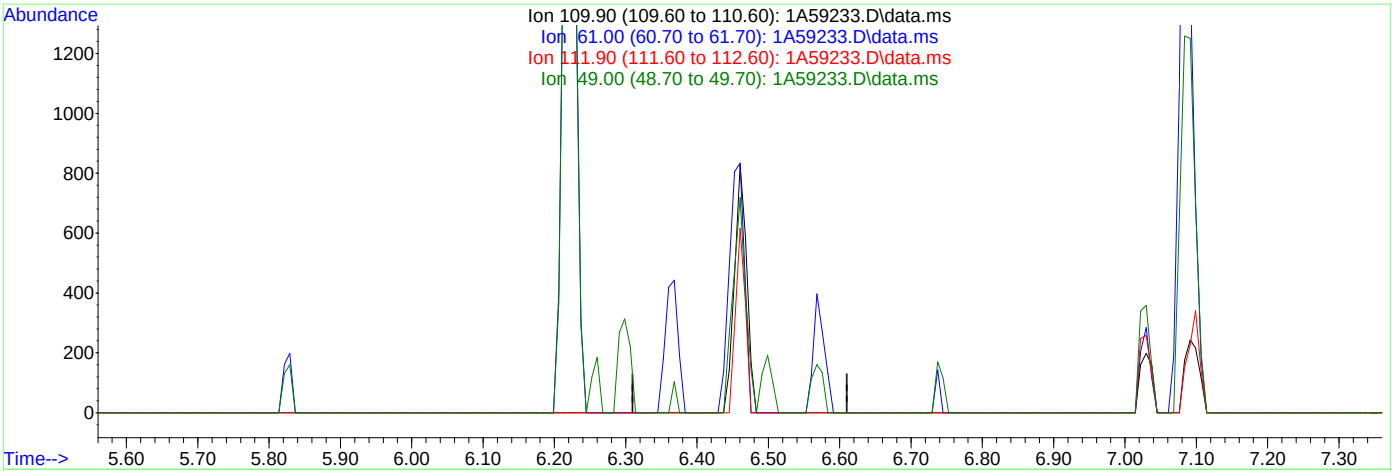
response 22117

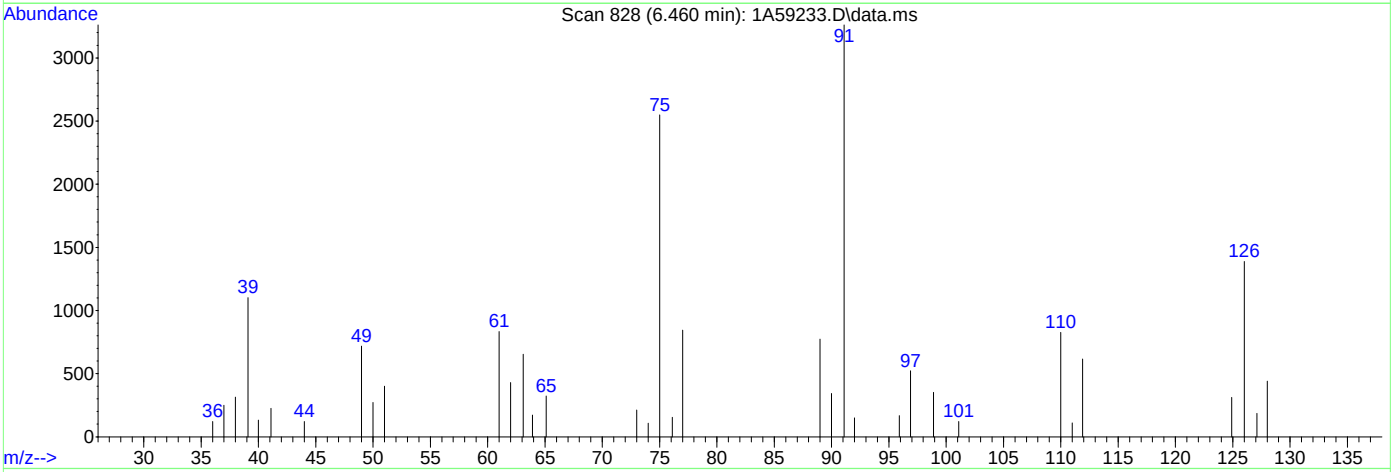
Ion	Exp%	Act%
91.00	100	100
106.00	29.70	32.09
65.00	9.20	7.44
51.00	10.90	10.13

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59233.D
Acq On : 18 Sep 2024 9:14 am
Operator : jeniferw
Sample : IC3047-2 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 18 11:46:20 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59233.D\data.ms

(94) 1,2,3-Trichloropropane ( )

6.460min (-6.460) 0.00ug/L

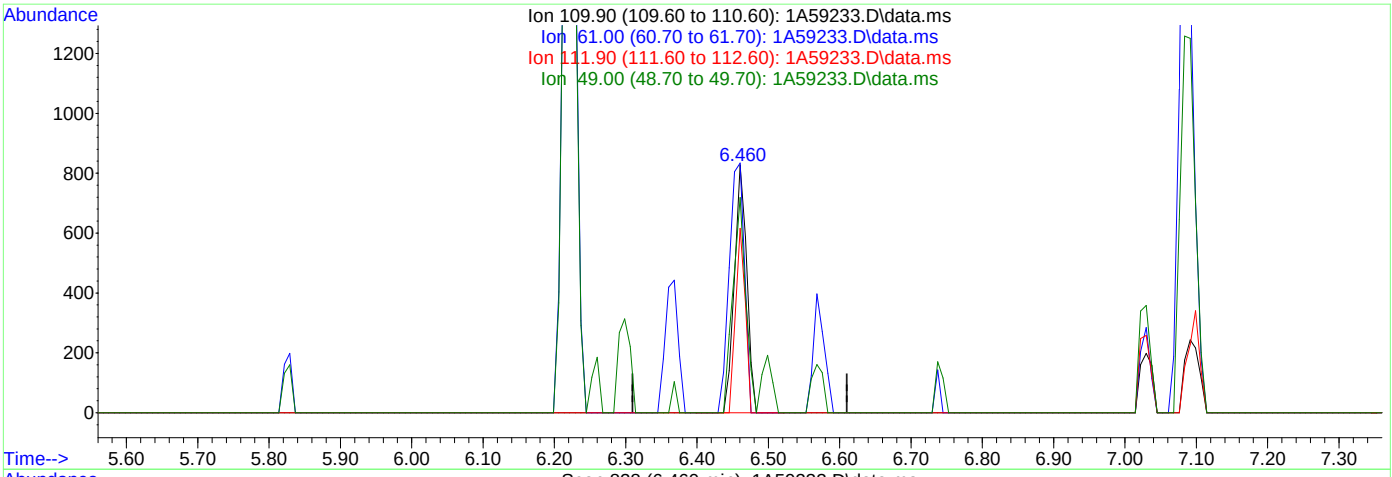
response 0

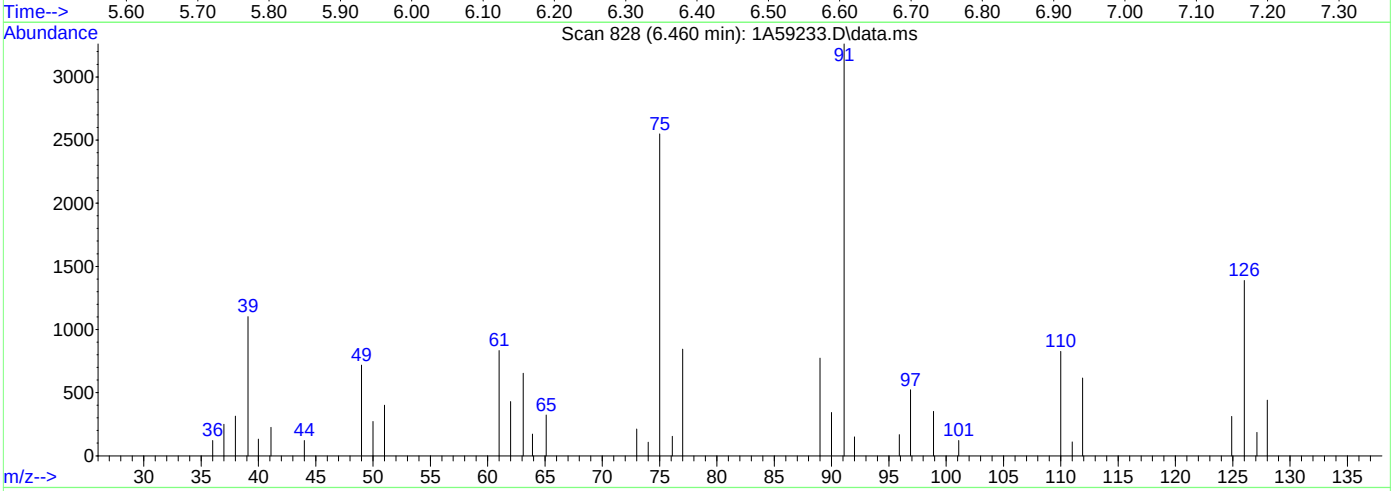
Ion	Exp%	Act%
109.90	100	0.00
61.00	84.10	0.00#
111.90	67.50	0.00#
49.00	69.70	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59233.D
Acq On : 18 Sep 2024 9:14 am
Operator : jeniferw
Sample : IC3047-2 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 18 11:46:20 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59233.D\data.ms

(94) 1,2,3-Trichloropropane ( )

6.460min (+0.000) 4.85ug/L m

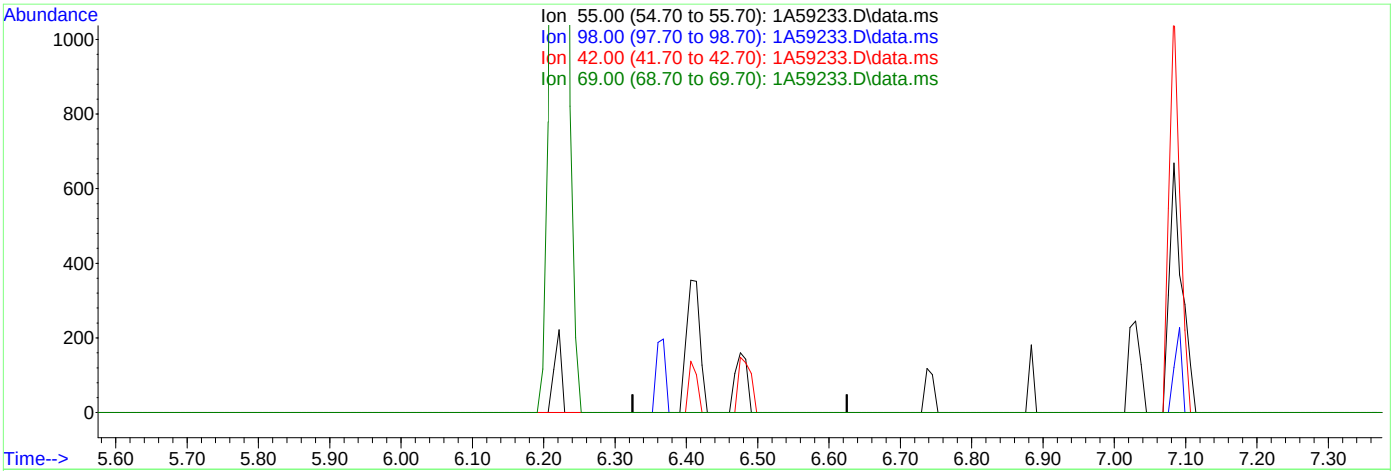
response 1005

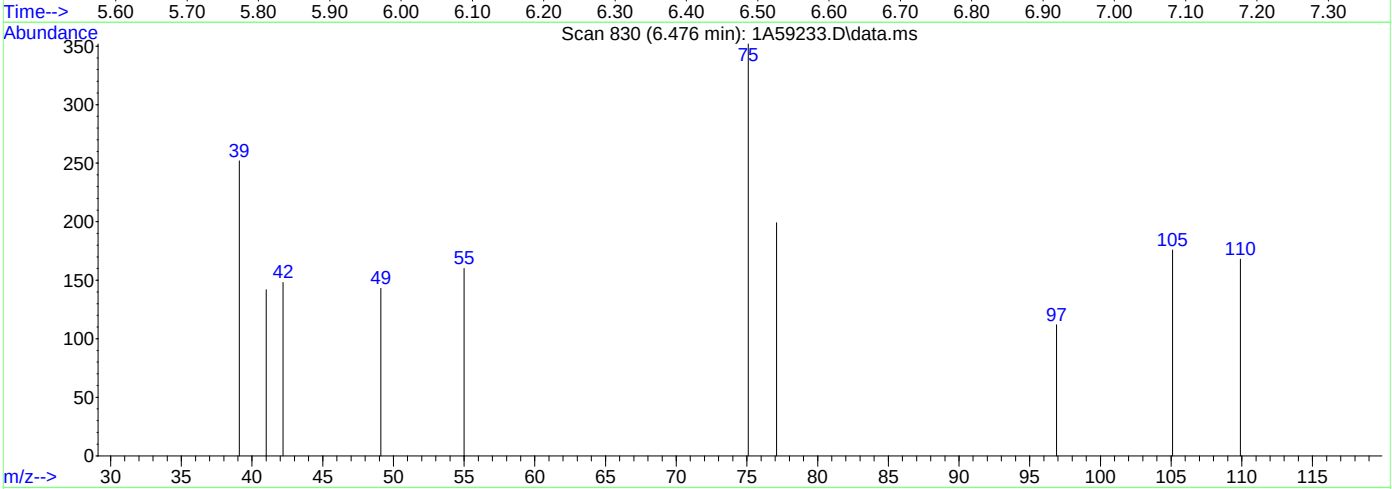
Ion	Exp%	Act%
109.90	100	100
61.00	84.10	100.85
111.90	67.50	74.49
49.00	69.70	86.94

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59233.D
Acq On : 18 Sep 2024 9:14 am
Operator : jeniferw
Sample : IC3047-2 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 18 11:46:20 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59233.D\data.ms

(95) Cyclohexanone

6.475min (-6.475) 0.00ug/L

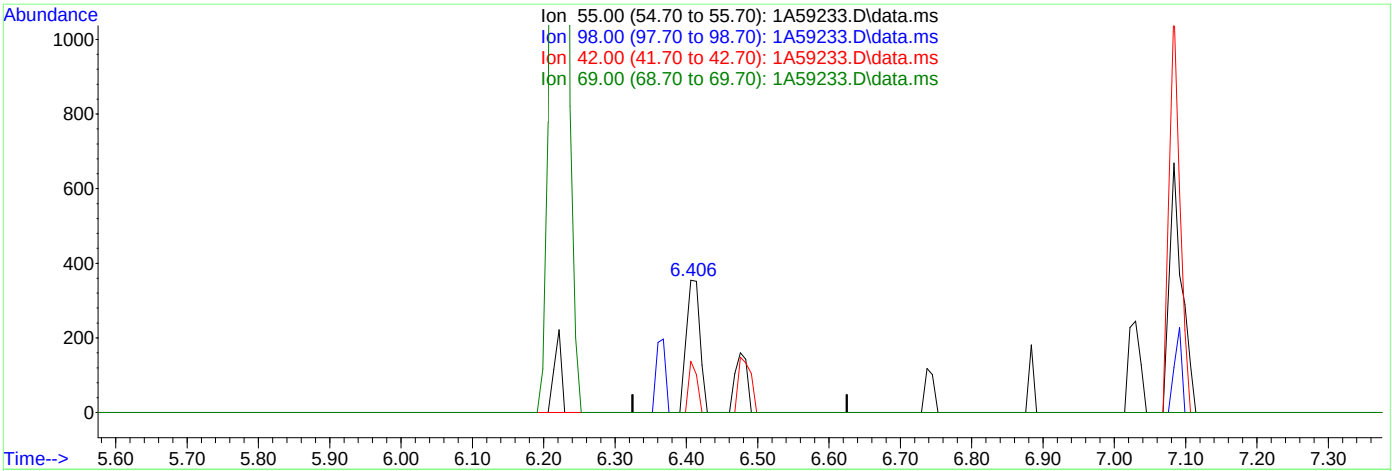
response 0

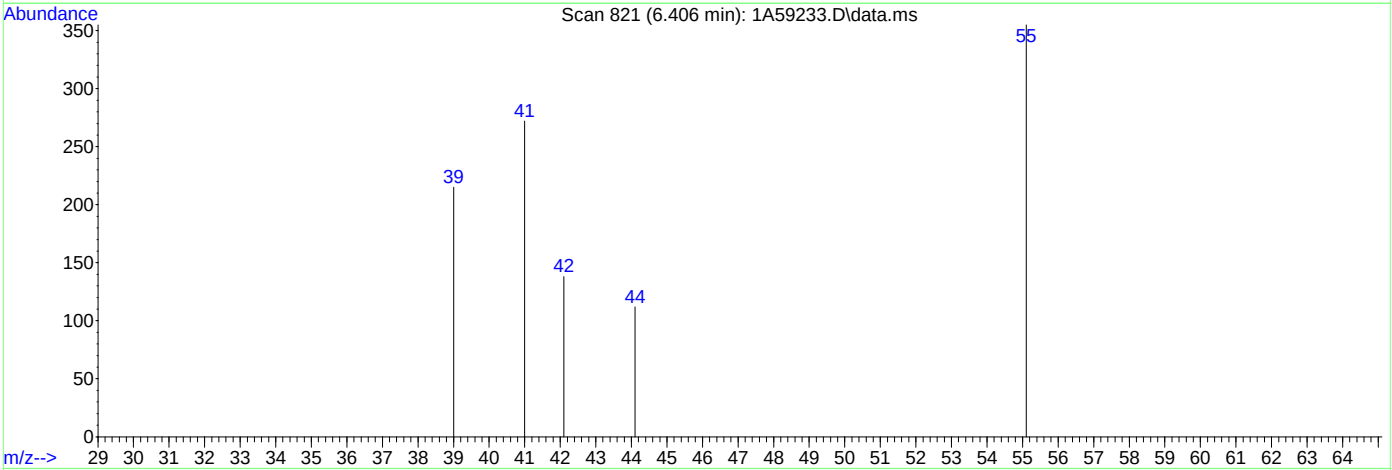
Ion	Exp%	Act%
55.00	100	0.00
98.00	41.70	0.00#
42.00	68.30	0.00#
69.00	29.80	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59233.D
Acq On : 18 Sep 2024 9:14 am
Operator : jeniferw
Sample : IC3047-2 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 18 11:46:20 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59233.D\data.ms

(95) Cyclohexanone

6.406min (-0.069) 26.30ug/L m

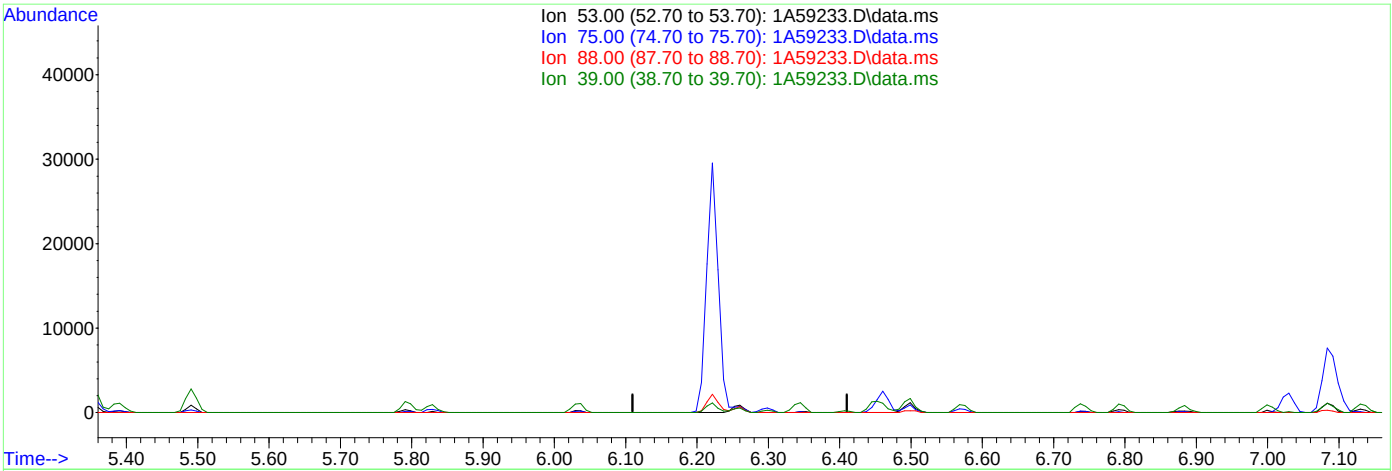
response 471

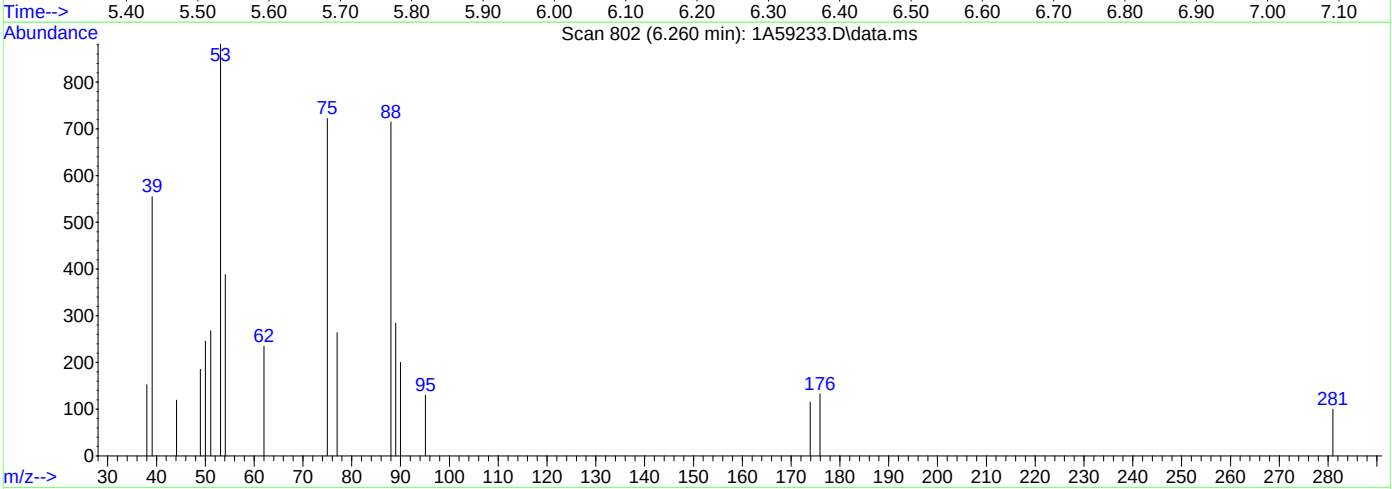
Ion	Exp%	Act%
55.00	100	100
98.00	41.70	0.00#
42.00	68.30	38.87#
69.00	29.80	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59233.D
Acq On : 18 Sep 2024 9:14 am
Operator : jeniferw
Sample : IC3047-2 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 18 11:46:20 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59233.D\data.ms

(87) cis-1,4-Dichloro-2-butene

6.260min (-6.260) 0.00ug/L

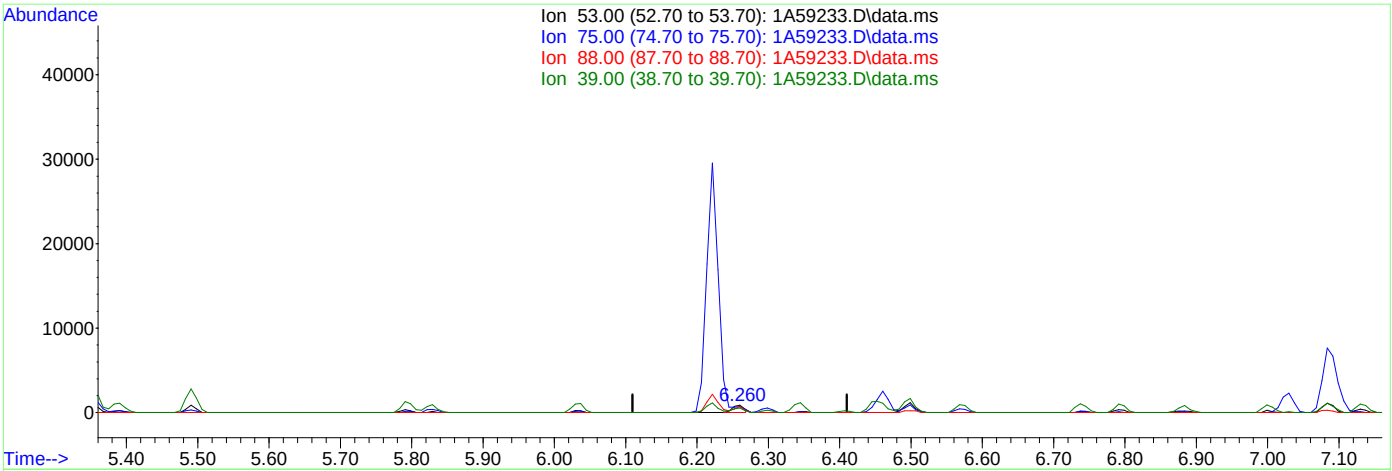
response 0

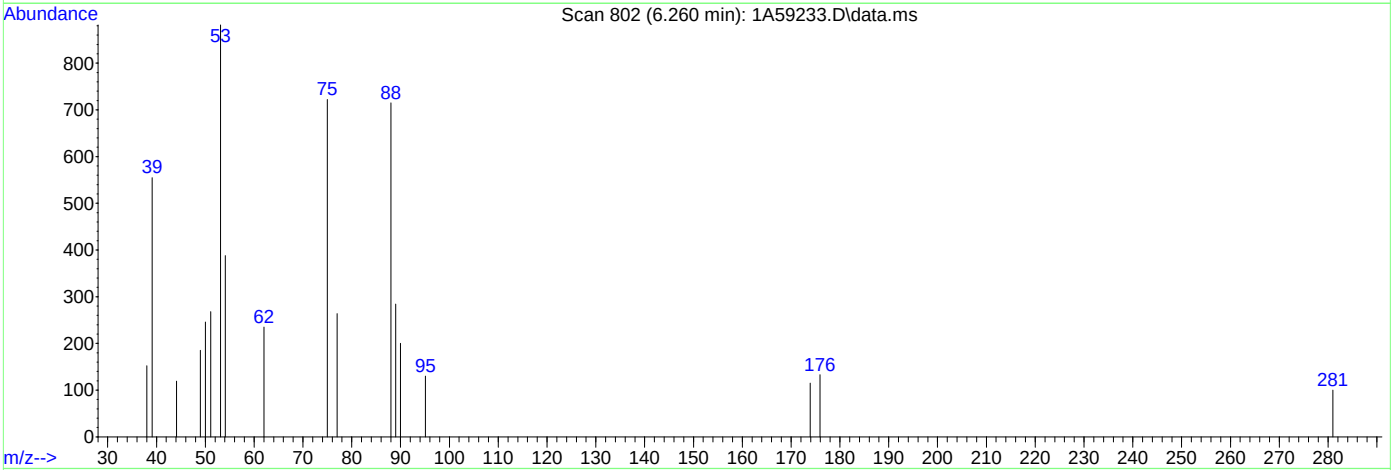
Ion	Exp%	Act%
53.00	100	0.00
75.00	40.30	0.00#
88.00	97.50	0.00#
39.00	39.80	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59233.D
Acq On : 18 Sep 2024 9:14 am
Operator : jeniferw
Sample : IC3047-2 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 18 11:46:20 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59233.D\data.ms

(87) cis-1,4-Dichloro-2-butene

6.260min (+0.000) 3.84ug/L m

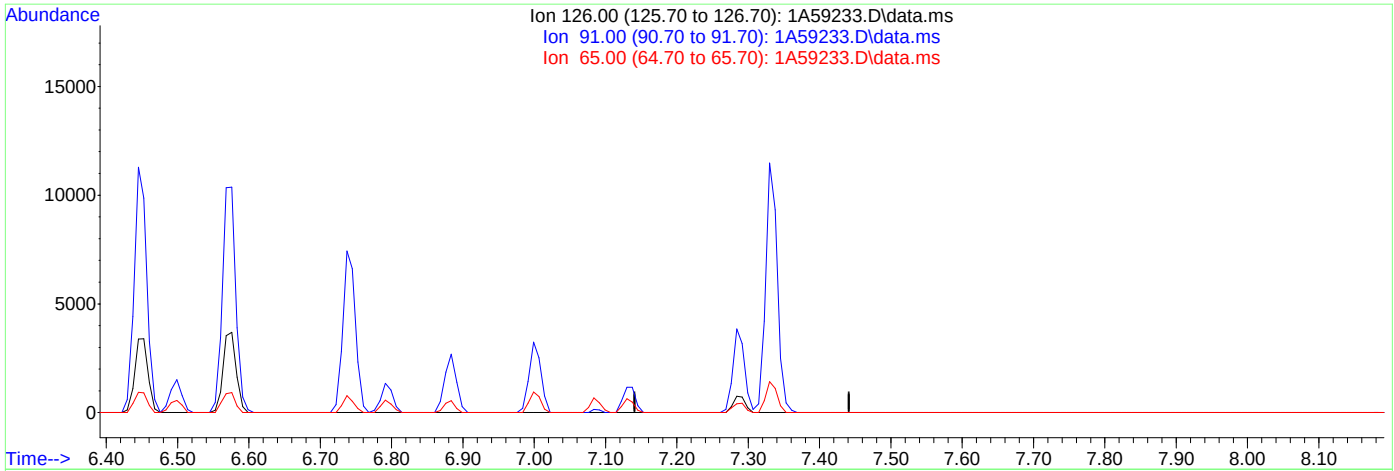
response 993

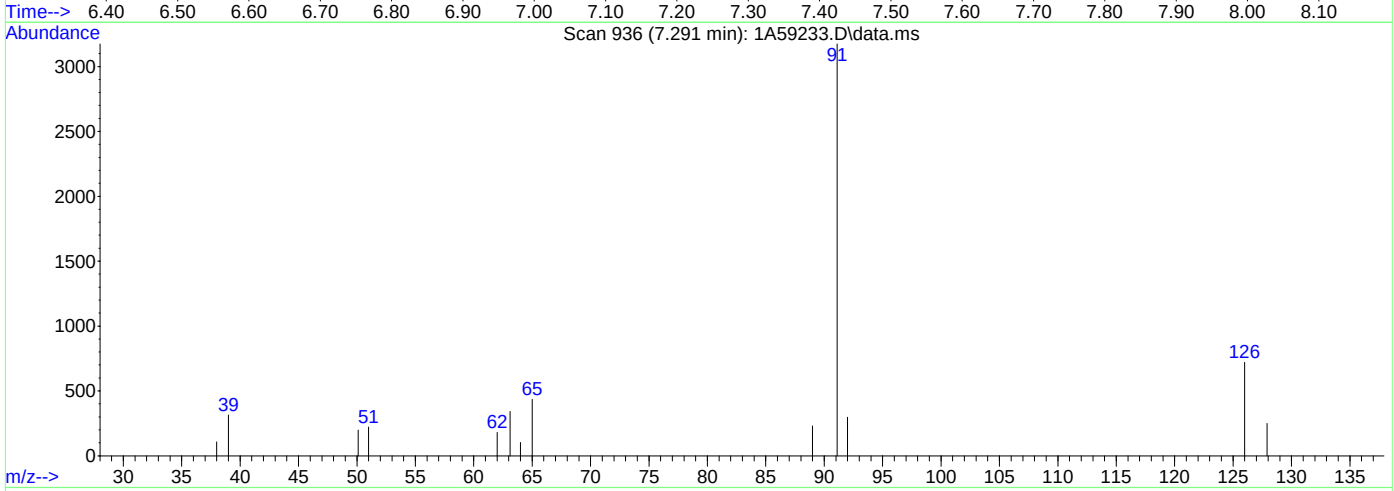
Ion	Exp%	Act%
53.00	100	100
75.00	40.30	81.86#
88.00	97.50	81.07
39.00	39.80	62.93#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59233.D
Acq On : 18 Sep 2024 9:14 am
Operator : jeniferw
Sample : IC3047-2 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 18 11:46:20 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59233.D\data.ms

(106) Benzyl Chloride

7.291min (-7.291) 0.00ug/L

response 0

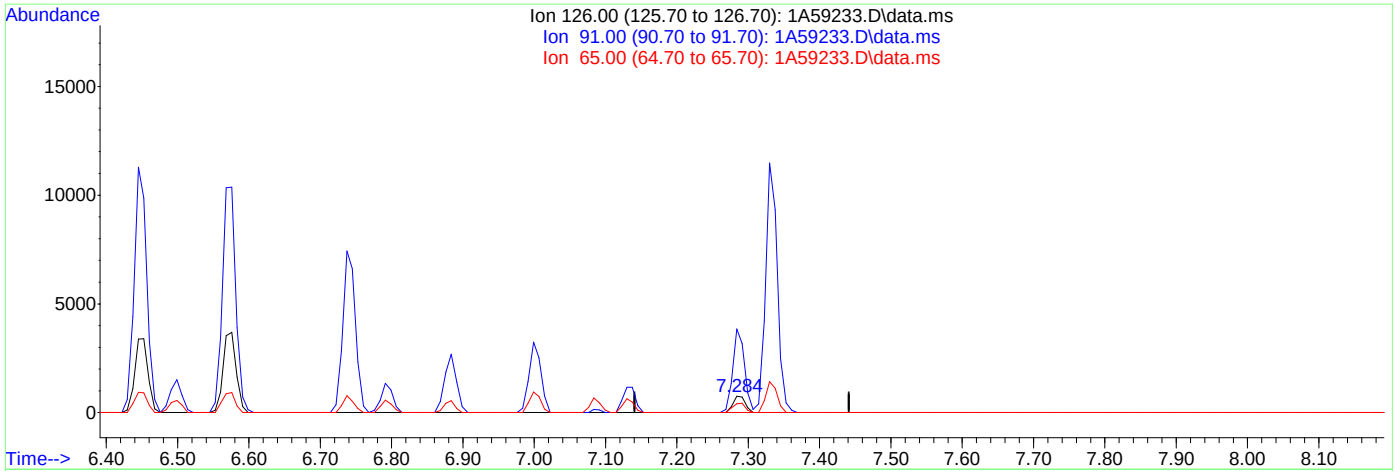
Ion	Exp%	Act%
126.00	100	0.00
91.00	481.00	0.00#
65.00	59.00	0.00#
0.00	0.00	0.00

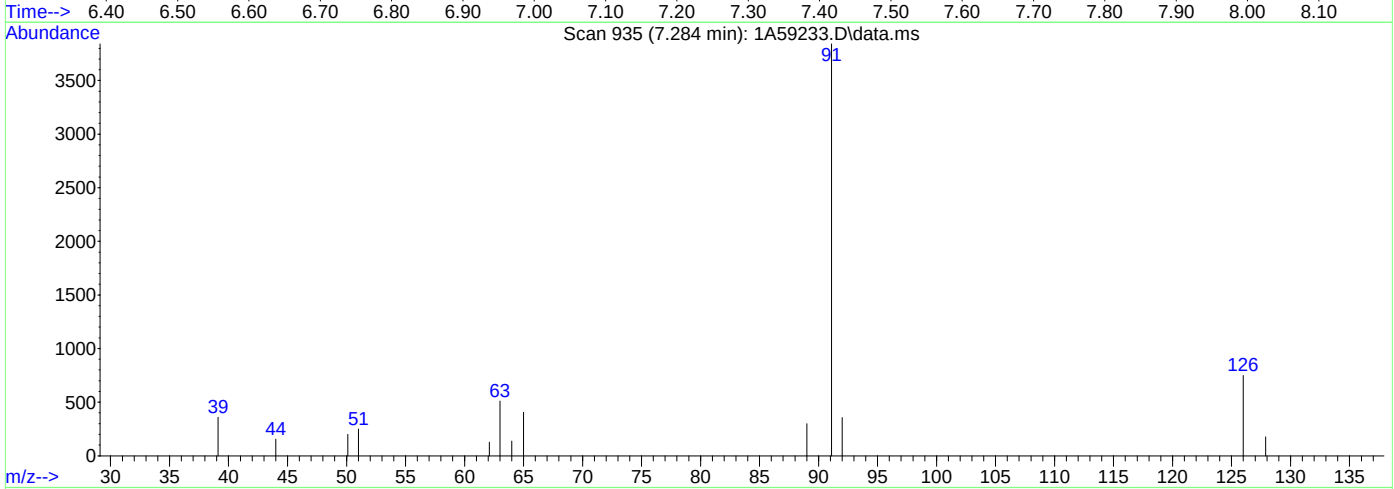
1A59233.D edits: Benzyl Chloride

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59233.D
Acq On : 18 Sep 2024 9:14 am
Operator : jeniferw
Sample : IC3047-2 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 18 11:46:20 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59233.D\data.ms

(106) Benzyl Chloride

7.284min (-0.007) 4.74ug/L m

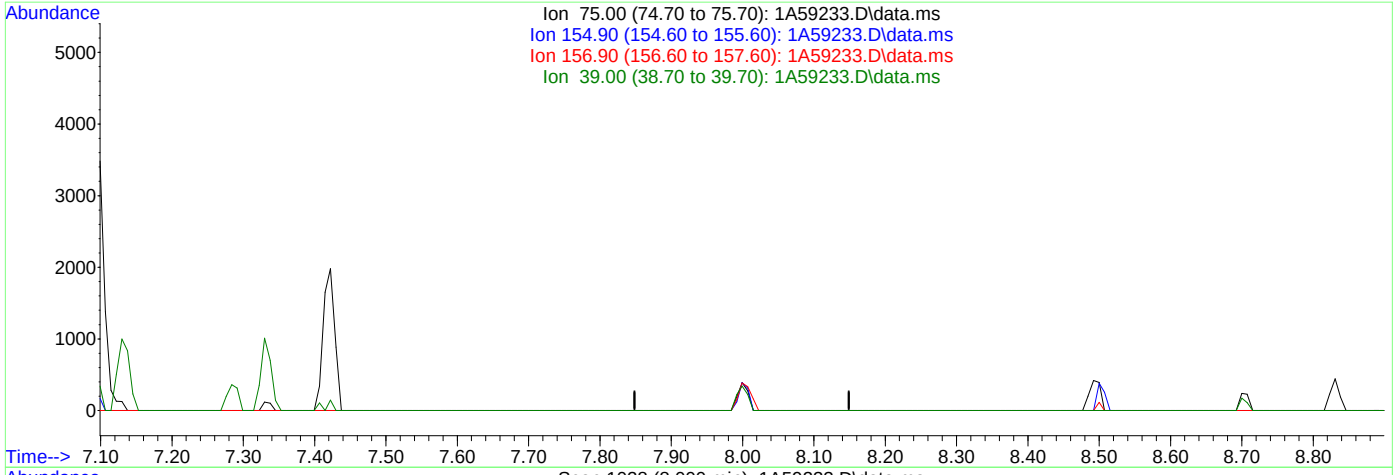
response 903

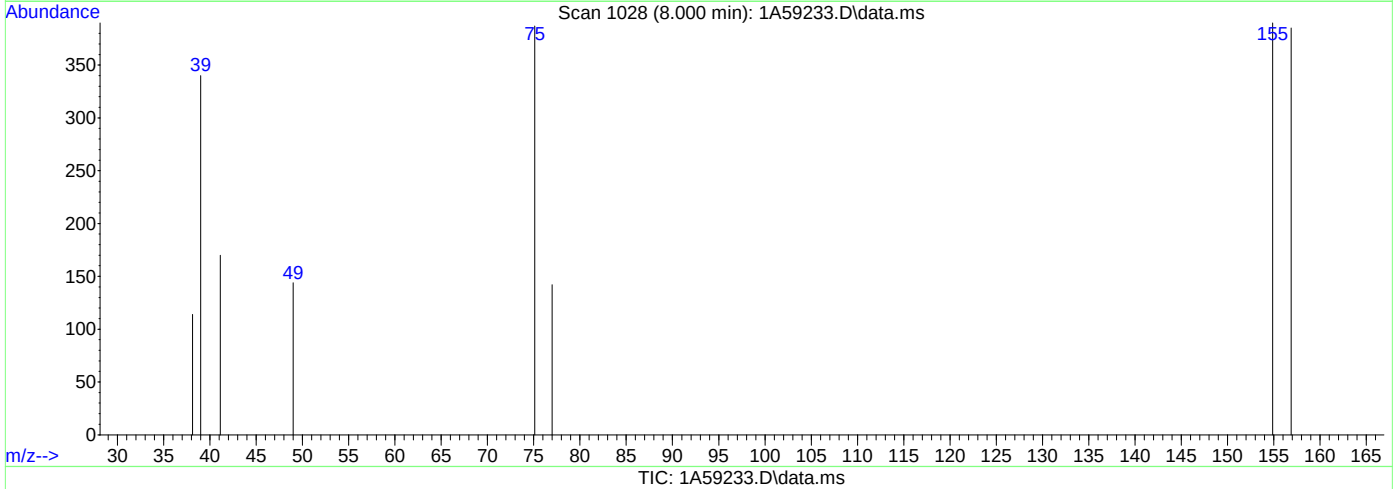
Ion	Exp%	Act%
126.00	100	100
91.00	481.00	512.95#
65.00	59.00	54.21
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59233.D
Acq On : 18 Sep 2024 9:14 am
Operator : jeniferw
Sample : IC3047-2 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 18 11:46:20 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59233.D\data.ms

(108) 1,2-Dibromo-3-Chloropropane

7.999min (-7.999) 0.00ug/L

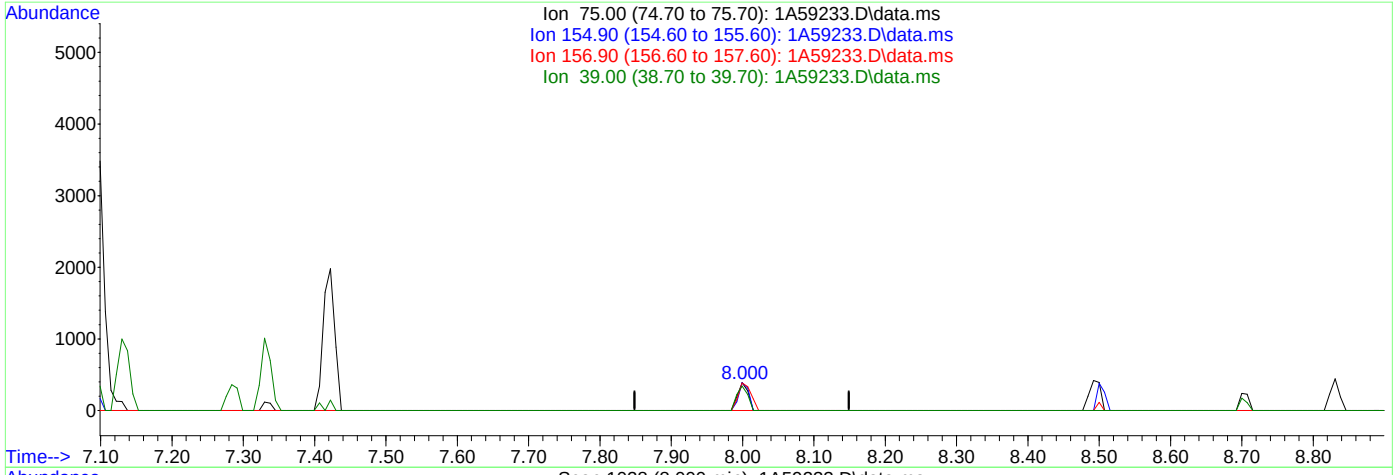
response 0

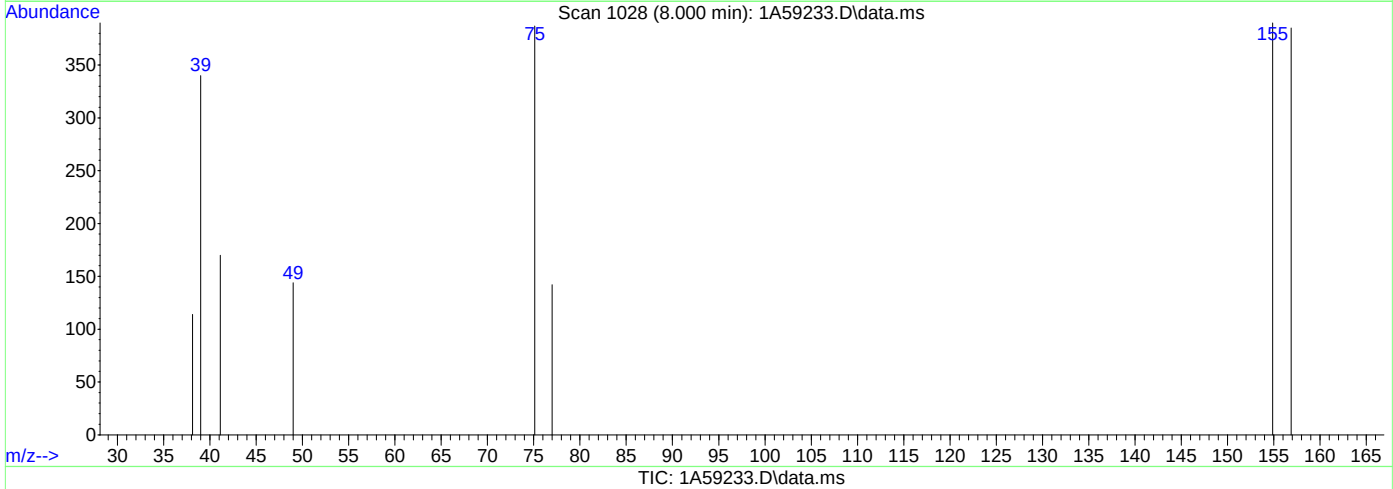
Ion	Exp%	Act%
75.00	100	0.00
154.90	75.30	0.00#
156.90	96.90	0.00#
39.00	77.50	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59233.D
Acq On : 18 Sep 2024 9:14 am
Operator : jeniferw
Sample : IC3047-2 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 18 11:46:20 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59233.D\data.ms

(108) 1,2-Dibromo-3-Chloropropane

8.000min (+0.001) 3.74ug/L m

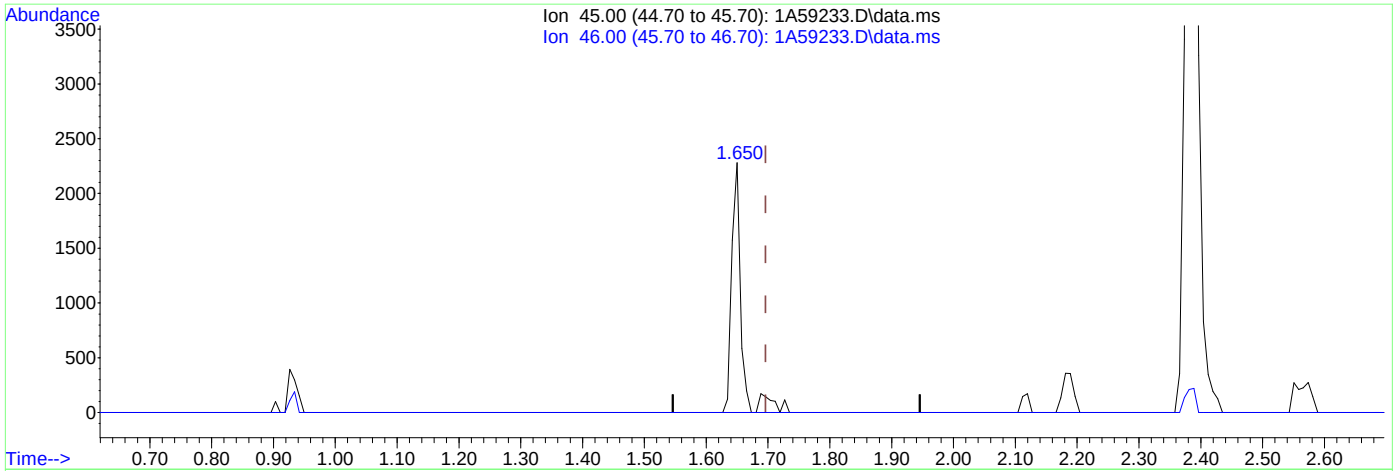
response 396

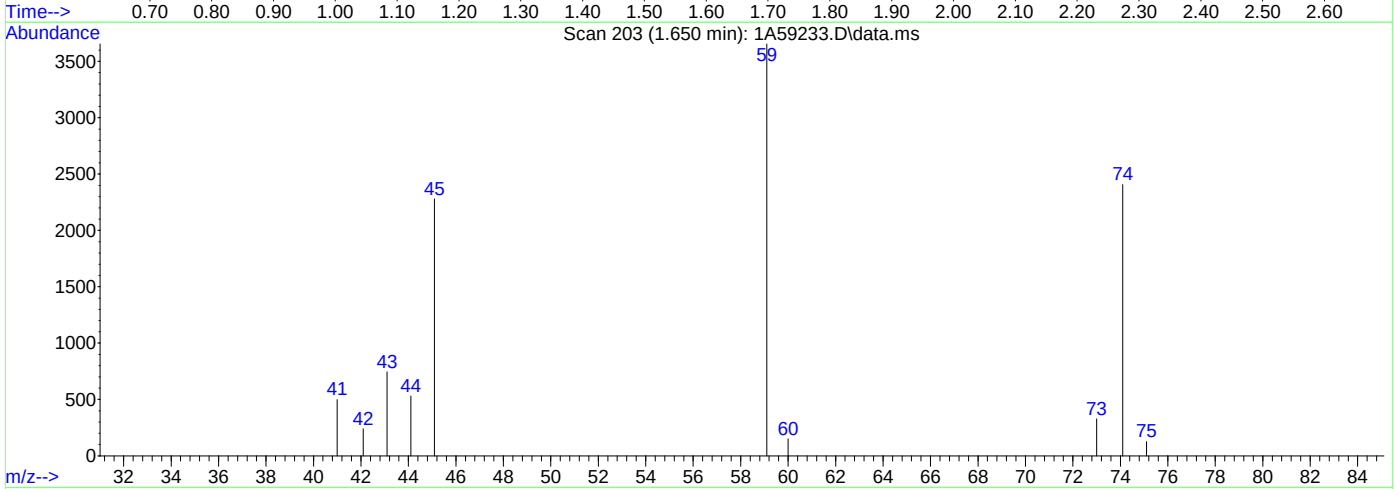
Ion	Exp%	Act%
75.00	100	100
154.90	75.30	100.78
156.90	96.90	99.48
39.00	77.50	87.86

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59233.D
Acq On : 18 Sep 2024 9:14 am
Operator : jeniferw
Sample : IC3047-2 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 18 11:46:20 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59233.D\data.ms

(10) Ethanol

1.650min (-0.046) 376.76ug/L

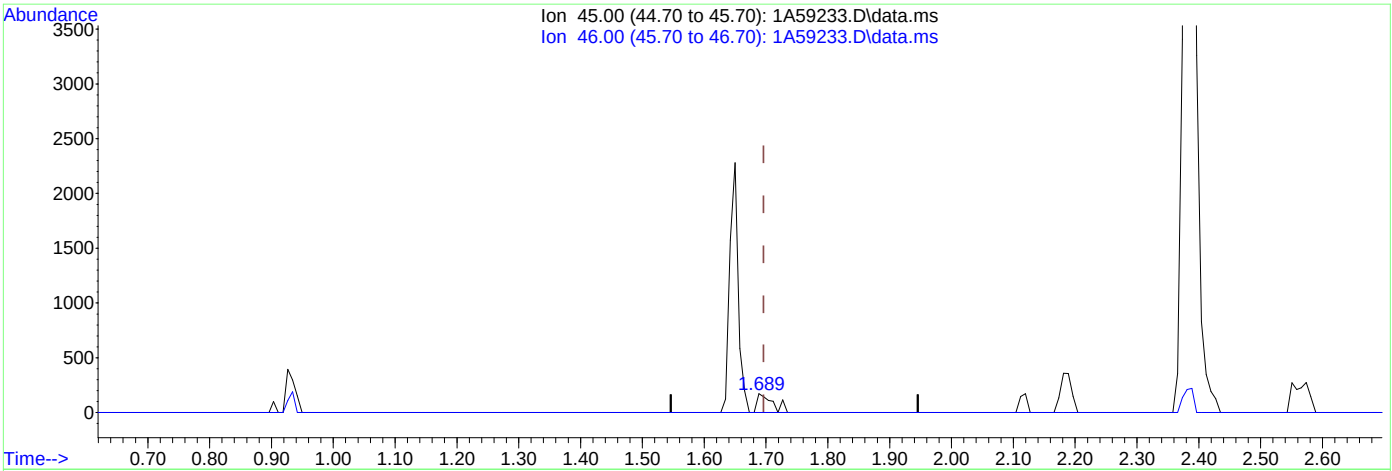
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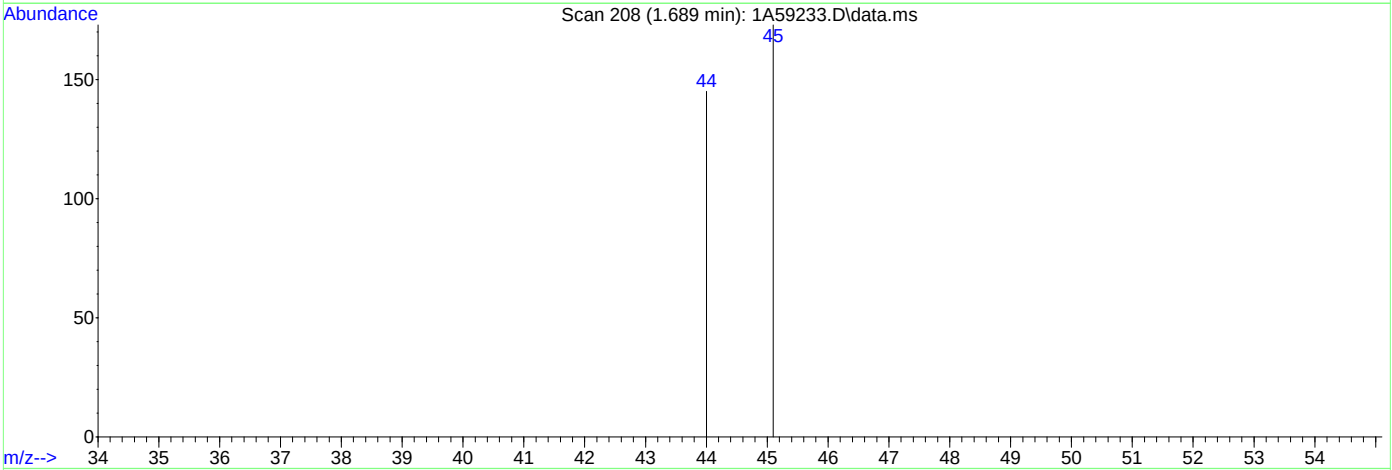
Ion	Exp%	Act%
45.00	100	100
46.00	34.40	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59233.D
Acq On : 18 Sep 2024 9:14 am
Operator : jeniferw
Sample : IC3047-2 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 18 11:46:20 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59233.D\data.ms

(10) Ethanol

1.689min (-0.007) 51.25ug/L m

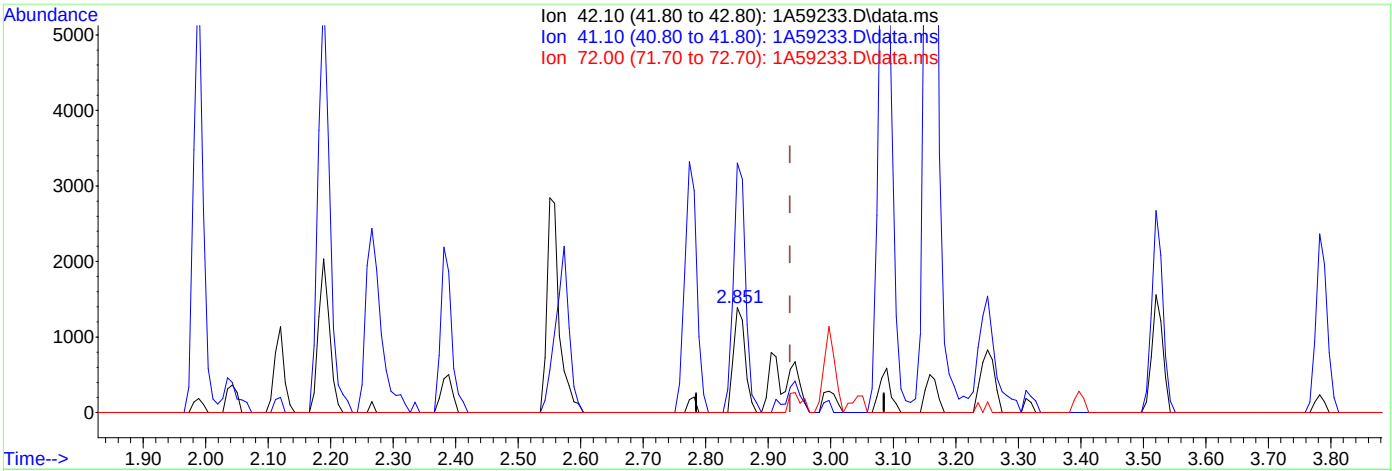
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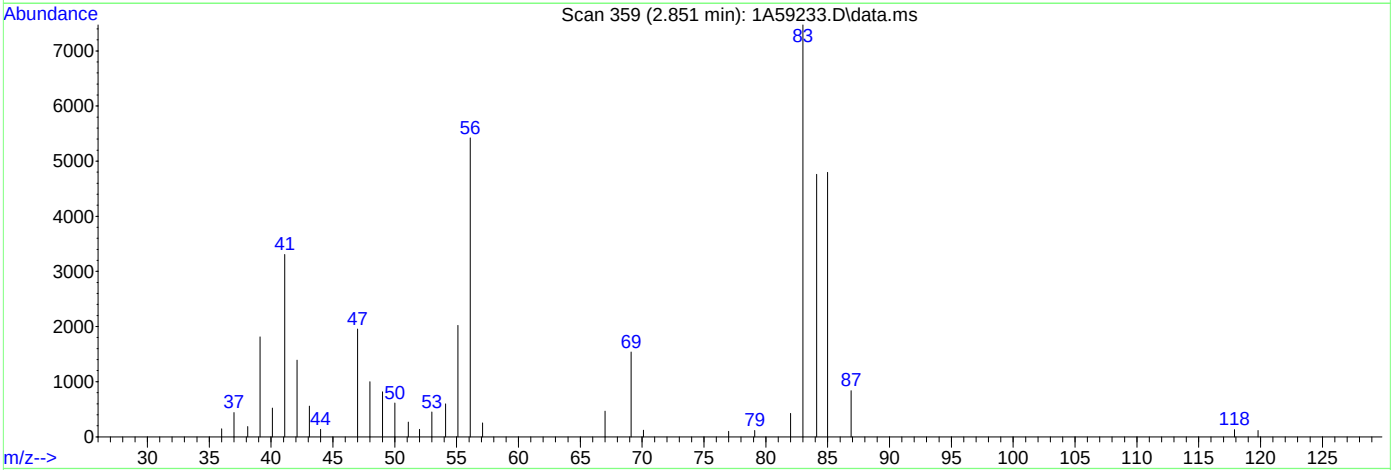
Ion	Exp%	Act%
45.00	100	100
46.00	34.40	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59233.D
Acq On : 18 Sep 2024 9:14 am
Operator : jeniferw
Sample : IC3047-2 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 18 12:09:27 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59233.D\data.ms

(38) Tetrahydrofuran

2.851min (-0.084) 8.19ug/L

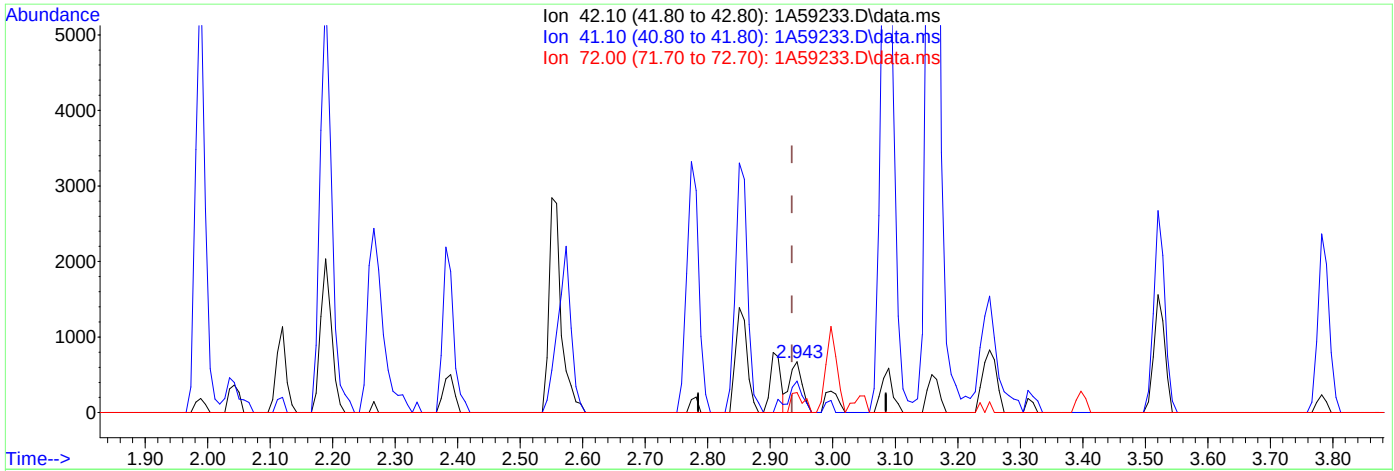
response 1780

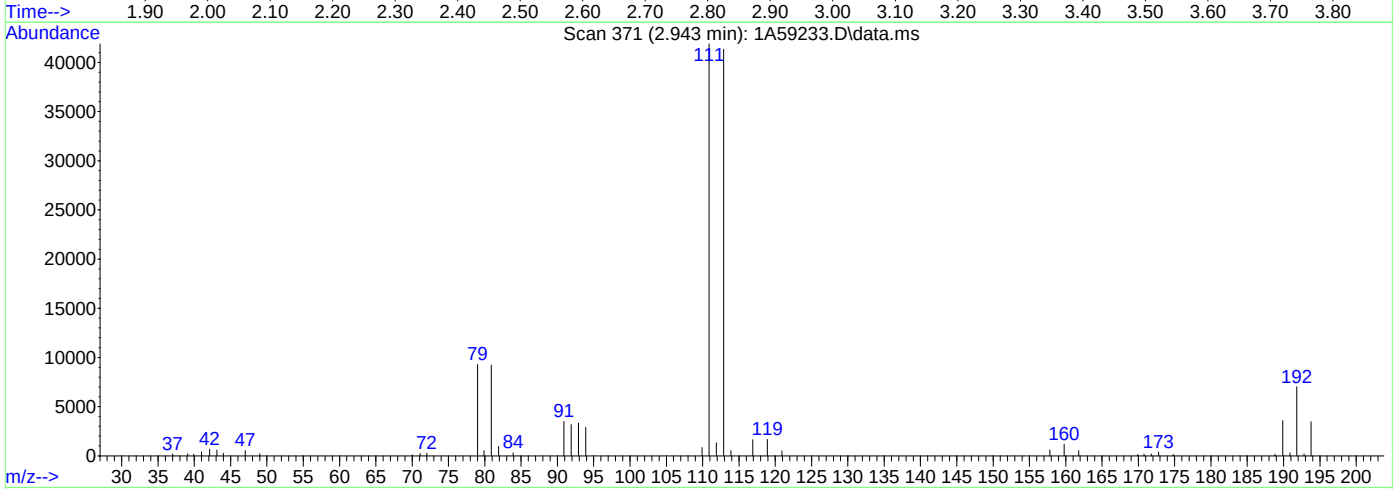
Ion	Exp%	Act%
42.10	100	100
41.10	53.20	237.94#
72.00	35.20	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59233.D
Acq On : 18 Sep 2024 9:14 am
Operator : jeniferw
Sample : IC3047-2 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 18 12:09:27 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59233.D\data.ms

(38) Tetrahydrofuran

2.943min (+0.008) 4.31ug/L m

response 937

Ion	Exp%	Act%
42.10	100	100
41.10	53.20	62.00
72.00	35.20	39.49
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/18/24 15:09

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59235.D
Acq On : 18 Sep 2024 9:46 am
Operator : jeniferw
Sample : IC3047-3 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 18 12:17:56 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	3.397	96	198656	50.00	ug/L		0.00
62) Chlorobenzene-d5	5.344	117	138864	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	7.084	152	72655	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	2.951	113	56787	49.70	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.40%				
49) 1,2-Dichloroethane-d4	3.235	65	63826	48.74	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 97.48%				
63) Toluene-d8	4.336	98	194083	50.57	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 101.14%				
86) 4-Bromofluorobenzene	6.222	174	59415	49.67	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.34%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.019	85	10570	7.78	ug/L		98
3) Chloromethane	1.134	50	8953	6.78	ug/L		99
4) 1,3-butadiene	1.188	39	8011	6.59	ug/L		92
5) Vinyl Chloride	1.173	62	10593	8.08	ug/L		96
6) Bromomethane	1.350	94	5070	9.48	ug/L		98
7) Chloroethane	1.419	64	6807	9.17	ug/L		95
8) Trichlorofluoromethane	1.496	101	15343	9.17	ug/L		96
9) Ethyl Ether	1.658	59	6748	8.36	ug/L		92
10) Ethanol	1.704	45	820m	134.39	ug/L		
11) 1,2-Dichlorotrifluoroe...	1.742	67	10684	8.57	ug/L		96
12) 1,1-Dichloroethene	1.758	61	12730	7.82	ug/L		96
13) Freon 113	1.789	101	8795	8.69	ug/L		99
14) Carbon Disulfide	1.781	76	25206	7.98	ug/L		98
15) Iodomethane	1.835	142	3718	5.95	ug/L		99
16) Acrolein	1.904	56	4872	35.93	ug/L		97
17) Allyl chloride	1.996	41	11191	6.72	ug/L		84
18) Methylene Chloride	2.043	49	18429	12.60	ug/L		93
19) Acetone	2.050	43	8331	41.82	ug/L		94
20) Methyl acetate	2.119	43	23174	39.70	ug/L		99
21) trans-1,2-Dichloroethene	2.135	61	12732	8.13	ug/L		92
22) Hexane	2.196	56	7996	7.65	ug/L		93
23) Methyl Tert Butyl Ether	2.189	73	19661	8.44	ug/L	#	62
24) Acetonitrile	2.266	41	7411	96.61	ug/L		96
25) Tert Butyl Alcohol	2.204	59	4516	89.29	ug/L	#	22
26) Di-isopropyl ether	2.389	45	25750	7.49	ug/L		94
27) Chloroprene	2.435	53	24345	7.63	ug/L		97
28) 1,1-Dichloroethane	2.443	63	16122	7.94	ug/L		99
29) Acrylonitrile	2.435	52	13058	39.72	ug/L		99
30) ETBE	2.574	59	24355	8.14	ug/L		99
31) Vinyl acetate	2.558	43	73398	38.25	ug/L		94
32) cis-1,2-Dichloroethene	2.720	96	9726	8.76	ug/L		92
33) 2,2-Dichloropropane	2.781	77	11712	7.98	ug/L		97
34) Bromochloromethane	2.820	128	4959	9.09	ug/L		87
35) Cyclohexane	2.858	56	15644	7.80	ug/L		97
36) Chloroform	2.858	83	17172	8.50	ug/L		99
37) Ethyl acetate	2.912	43	29949	40.92	ug/L		97
38) Tetrahydrofuran	2.943	42	1873	8.24	ug/L		96
40) Carbon Tetrachloride	2.958	117	11961m	8.11	ug/L		
41) 1,1,1-Trichloroethane	2.981	97	13331	8.05	ug/L		93
42) 2-Butanone	2.997	43	12948	39.11	ug/L		93
43) 1,1-Dichloropropene	3.051	75	10938	8.47	ug/L		98
44) tert-Butyl formate	3.089	59	19875	37.10	ug/L		91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59235.D
Acq On : 18 Sep 2024 9:46 am
Operator : jeniferw
Sample : IC3047-3 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 18 12:17:56 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Propionitrile	3.135	54	8358	83.45	ug/L		94
46) Methacrylonitrile	3.166	41	39208	77.63	ug/L		94
47) Benzene	3.182	78	35334	8.45	ug/L		89
48) TAME	3.243	73	19184	8.39	ug/L		94
50) 1,2-Dichloroethane	3.274	62	12323	8.42	ug/L		98
51) Isobutyl Alcohol	3.251	43	9901	156.49	ug/L		89
52) Tert Amyl Alcohol	3.320	59	2990	81.50	ug/L		93
53) Trichloroethene	3.505	95	9508	8.23	ug/L		98
54) Methylcyclohexane	3.528	83	15134	8.55	ug/L		95
55) Dibromomethane	3.728	93	5761	9.31	ug/L		93
56) 1,2-Dichloropropane	3.790	63	9031	8.08	ug/L		99
57) Bromodichloromethane	3.828	83	12074	8.68	ug/L		97
58) Methyl methacrylate	3.913	41	4982	7.50	ug/L		91
59) 1,4-Dioxane	3.936	88	731m	147.73	ug/L		
60) 2-Chloroethyl vinyl ether	4.159	63	15426	36.55	ug/L		93
61) cis-1,3-Dichloropropene	4.205	75	12867	8.23	ug/L		99
64) Toluene	4.367	91	38037	8.95	ug/L		100
65) 2-Nitropropane	4.459	41	6798	46.09	ug/L		96
66) 4-Methyl-2-pentanone	4.575	43	28200	40.50	ug/L		97
67) trans-1,3-Dichloropropene	4.605	75	10824	8.27	ug/L		95
68) Tetrachloroethene	4.628	166	10125	9.38	ug/L		99
69) Ethyl methacrylate	4.721	69	7181	8.03	ug/L		90
70) 1,1,2-Trichloroethane	4.713	83	5828	9.16	ug/L		90
71) Dibromochloromethane	4.836	129	7743	8.94	ug/L		96
72) 1,3-Dichloropropane	4.890	76	11841	8.82	ug/L		93
73) 1,2-Dibromoethane	4.990	107	6760	9.16	ug/L		98
74) 3,3-Dimethyl-1-Butanol	5.113	57	20444	426.78	ug/L		99
75) 2-hexanone	5.136	43	21942	40.45	ug/L		82
76) 1-Chlorohexane	5.360	91	11635m	7.19	ug/L		
77) Ethylbenzene	5.390	91	42757m	9.10	ug/L		
78) Chlorobenzene	5.360	112	24542	9.12	ug/L		96
79) 1,1,1,2-Tetrachloroethane	5.406	131	7843	9.06	ug/L		97
80) m,p-Xylene	5.490	91	64335	17.28	ug/L		99
81) o-Xylene	5.798	91	32688	8.82	ug/L		99
82) Styrene	5.829	104	23292	8.88	ug/L		98
83) Bromoform	5.829	173	4217	9.07	ug/L		94
84) Isopropylbenzene	6.037	105	37263	8.73	ug/L		98
87) cis-1,4-Dichloro-2-butene	6.260	53	1899	7.06	ug/L	#	89
88) n-Propylbenzene	6.345	91	46746	8.88	ug/L		97
89) Bromobenzene	6.299	156	9901	9.12	ug/L		94
90) 1,1,2,2-Tetrachloroethane	6.368	83	7352	9.10	ug/L		97
91) 1,3,5-Trimethylbenzene	6.499	105	29238	8.61	ug/L		97
92) 2-Chlorotoluene	6.445	91	26238	8.59	ug/L		96
93) trans-1,4-Dichloro-2-B...	6.499	53	2599	7.57	ug/L		97
94) 1,2,3-Trichloropropane	6.460	110	2138	9.91	ug/L		92
95) Cyclohexanone	6.476	55	678m	36.42	ug/L		
96) 4-Chlorotoluene	6.576	91	27023	8.55	ug/L		95
97) tert-Butylbenzene	6.737	91	17671	8.48	ug/L		96
98) 1,2,4-Trimethylbenzene	6.791	105	28294	8.89	ug/L		97
99) Pentachloroethane	6.737	167	4282	7.94	ug/L		94
100) sec-Butylbenzene	6.884	105	37620	8.75	ug/L		99
101) 4-Isopropyltoluene	6.999	119	30465	8.78	ug/L		99
102) 1,3-Dichlorobenzene	7.030	146	17313	9.17	ug/L		98
103) 1,2,3-Trimethylbenzene	7.130	105	28278	8.64	ug/L		100
104) 1,4-Dichlorobenzene	7.099	146	17399	9.07	ug/L		98
105) n-Butylbenzene	7.330	92	14083	8.79	ug/L		98
106) Benzyl Chloride	7.284	126	1778	8.82	ug/L		96
107) 1,2-Dichlorobenzene	7.422	146	15413	9.30	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59235.D
Acq On : 18 Sep 2024 9:46 am
Operator : jeniferw
Sample : IC3047-3 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 18 12:17:56 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration

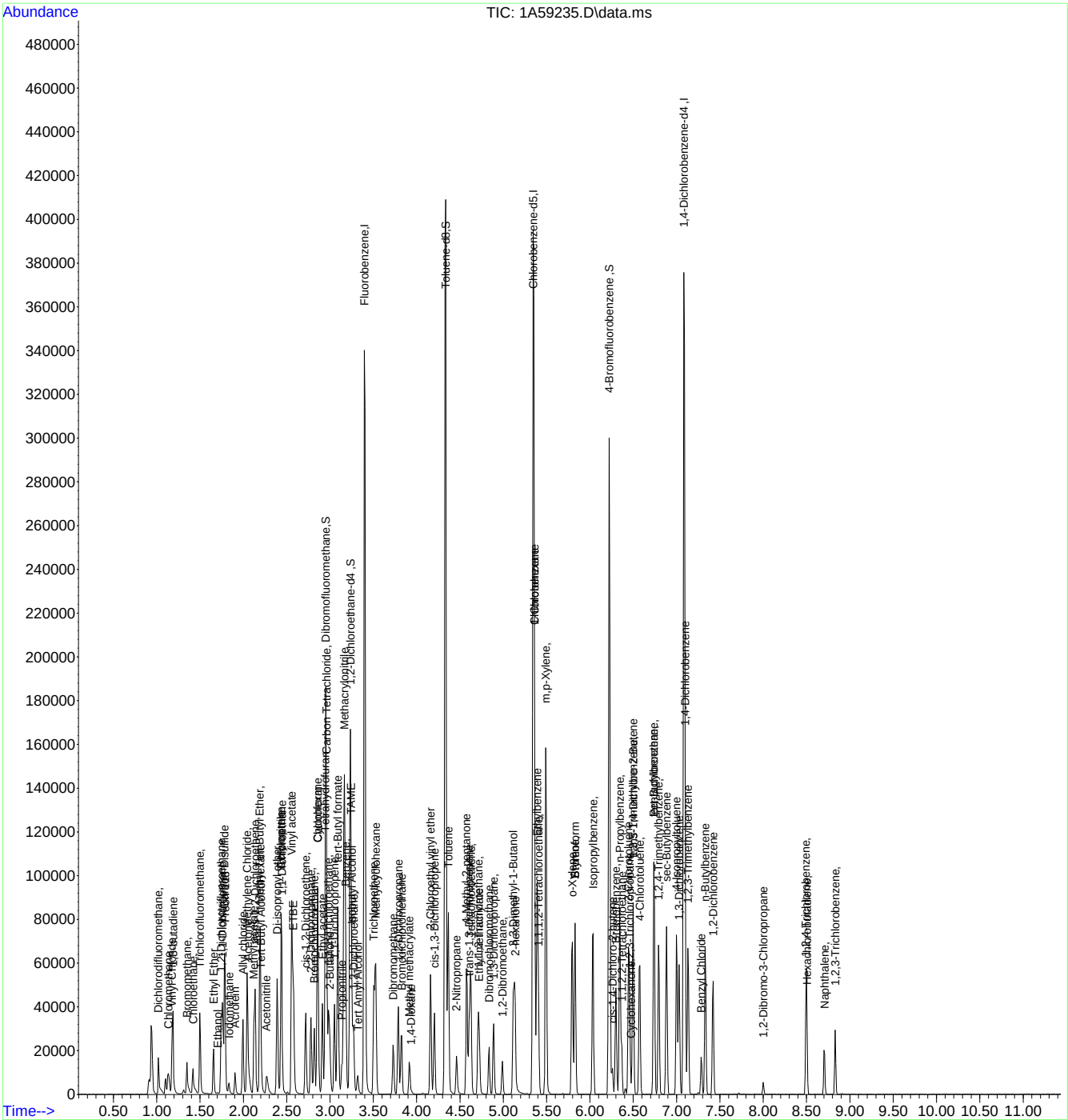
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) 1,2-Dibromo-3-Chloropr...	8.000	75	849m	7.72	ug/L	
109) Hexachlorobutadiene	8.507	225	3604	7.92	ug/L	96
110) 1,2,4-Trichlorobenzene	8.492	180	6835	8.51	ug/L	94
111) Naphthalene	8.708	128	11126	9.37	ug/L	99
112) 1,2,3-Trichlorobenzene	8.831	180	5173	8.52	ug/L	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59235.D
Acq On : 18 Sep 2024 9:46 am
Operator : jeniferw
Sample : IC3047-3 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 18 12:17:56 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration



Manual Integration Approval Summary

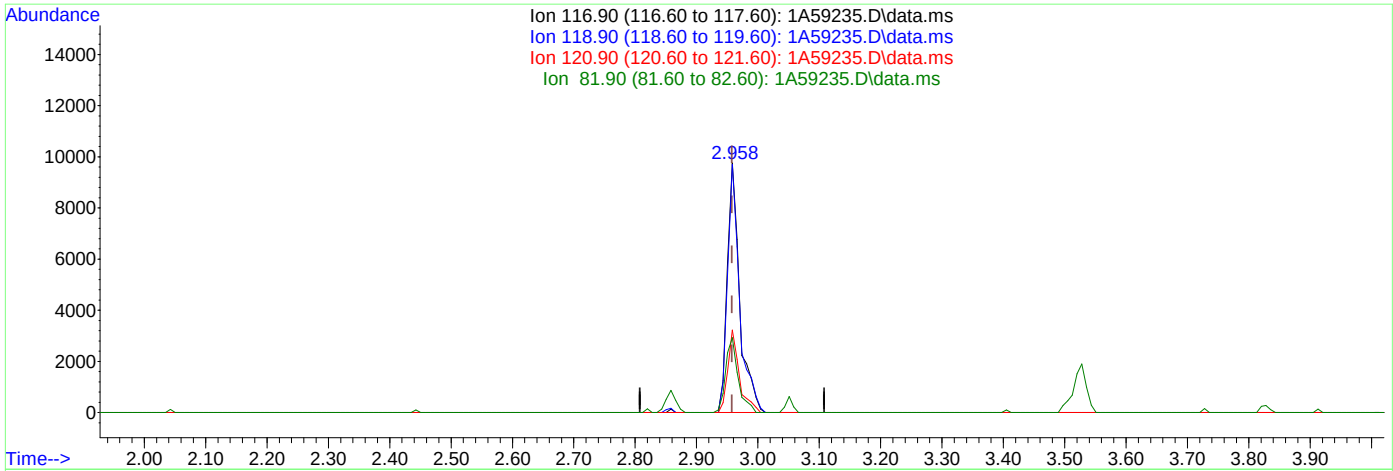
Sample Number: V1A3047-IC3047
Lab FileID: 1A59235.D
Injection Time: 09/18/24 09:46
Method: SW846 8260D
Analyst approved: 09/18/24 14:30 Jenifer Willis
Supervisor approved: 09/18/24 15:09 Karen Watson

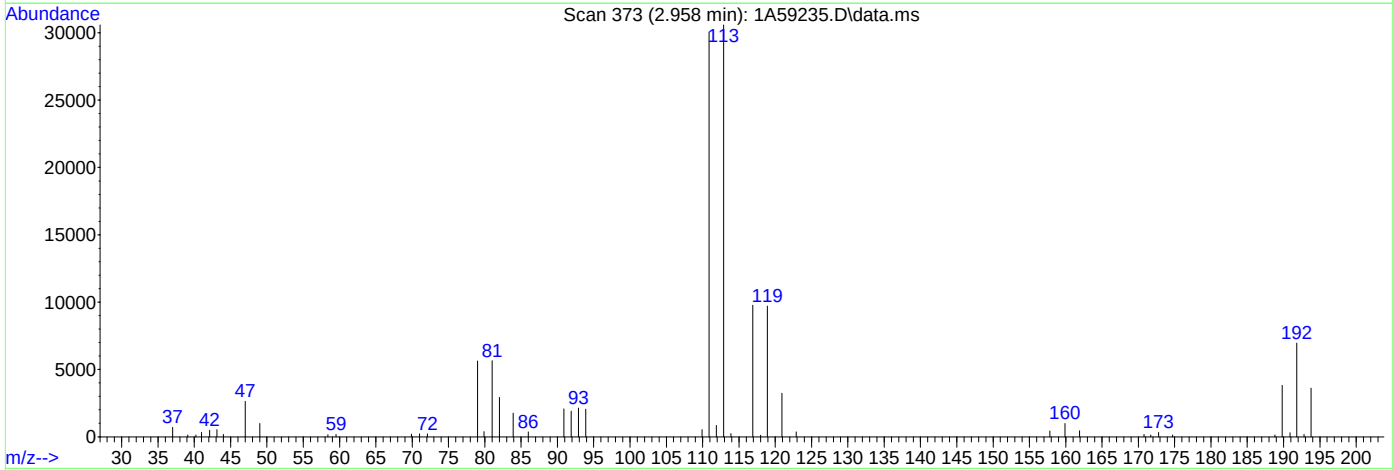
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		1.70	Poorly defined baseline
Carbon Tetrachloride	56-23-5		2.96	Overlapping peak
1,4-Dioxane	123-91-1		3.94	Missed peak
1-Chlorohexane	544-10-5		5.36	Overlapping peak
Ethylbenzene	100-41-4		5.39	Overlapping peak
Cyclohexanone	108-94-1		6.48	Missed peak
1,2-Dibromo-3-chloropropane	96-12-8		8.00	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59235.D
Acq On : 18 Sep 2024 9:46 am
Operator : jeniferw
Sample : IC3047-3 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 18 11:46:22 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59235.D\data.ms

(40) Carbon Tetrachloride ( )

2.958min (+0.000) 9.34ug/L

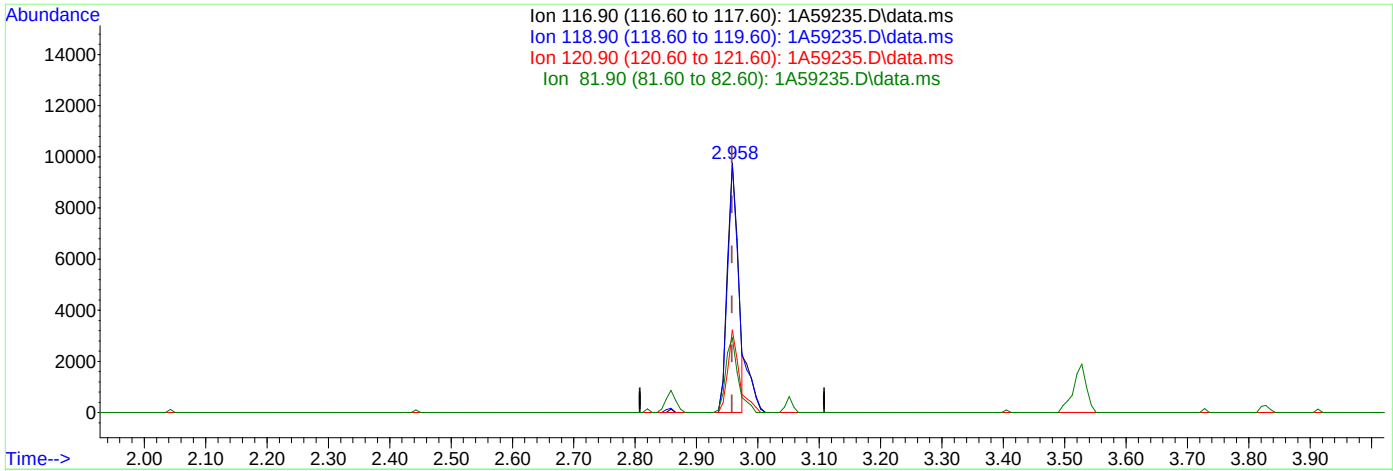
response 13785

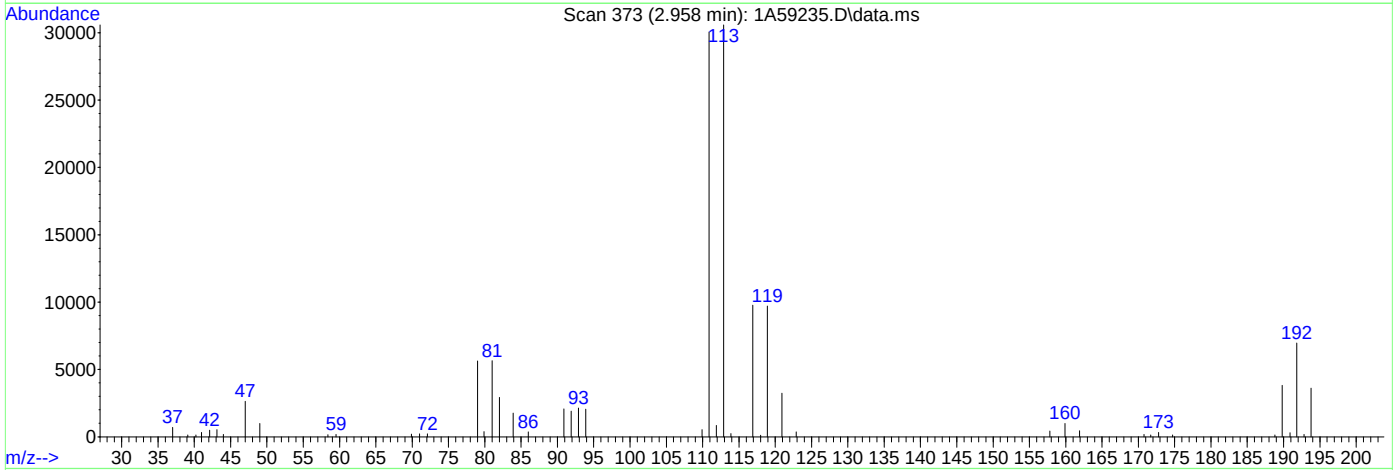
Ion	Exp%	Act%
116.90	100	100
118.90	96.70	99.44
120.90	32.00	33.10
81.90	24.70	30.01

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59235.D
Acq On : 18 Sep 2024 9:46 am
Operator : jeniferw
Sample : IC3047-3 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 18 11:46:22 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59235.D\data.ms

(40) Carbon Tetrachloride ( )

2.958min (+0.000) 8.11ug/L m

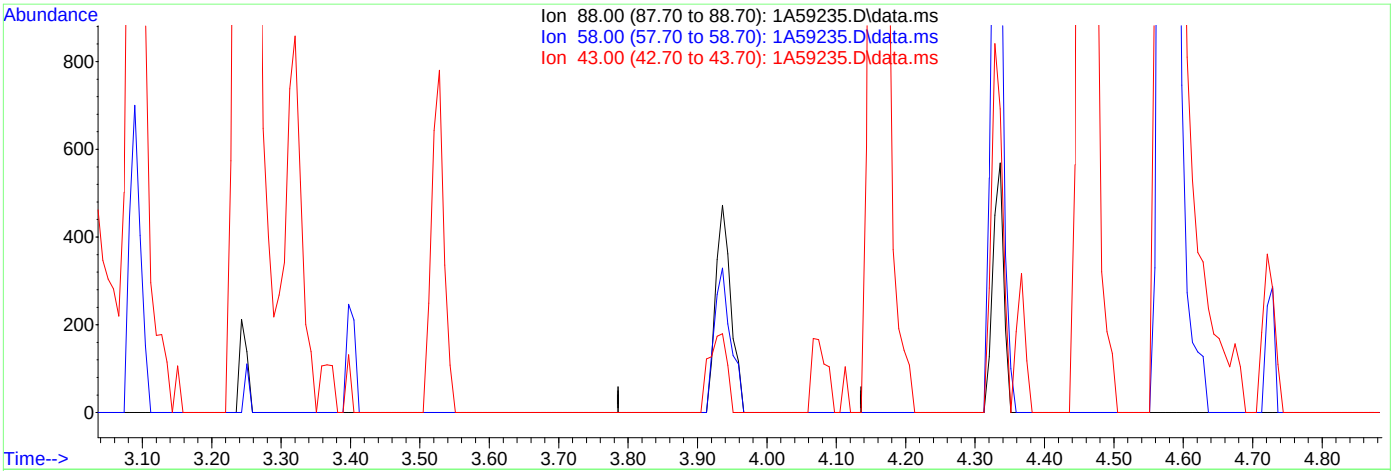
response 11961

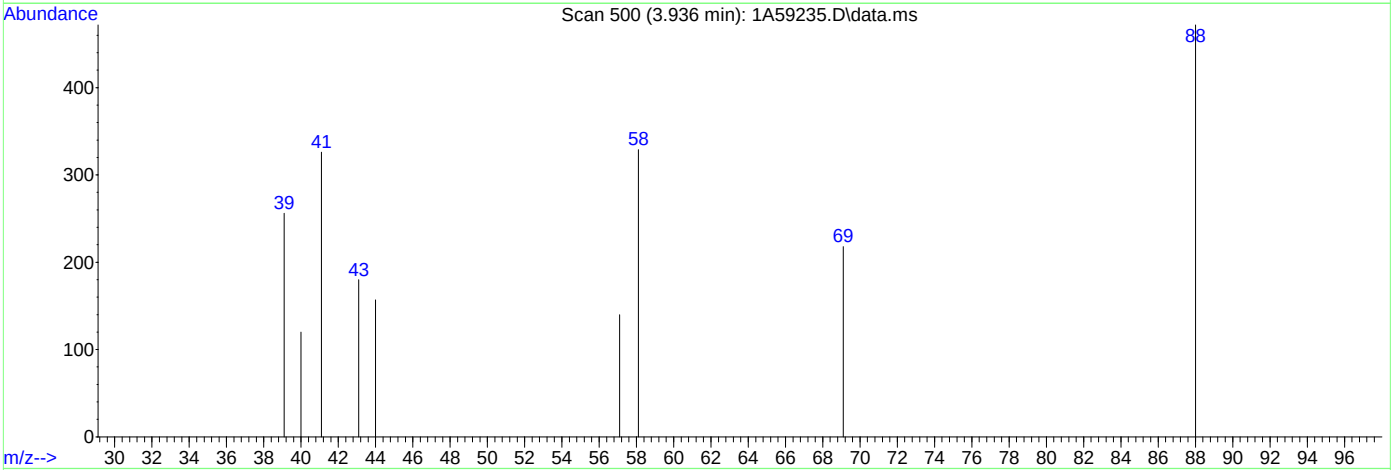
Ion	Exp%	Act%
116.90	100	100
118.90	96.70	99.44
120.90	32.00	33.10
81.90	24.70	30.01

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59235.D
Acq On : 18 Sep 2024 9:46 am
Operator : jeniferw
Sample : IC3047-3 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 18 11:46:22 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59235.D\data.ms

(59) 1,4-Dioxane

3.936min (-3.936) 0.00ug/L

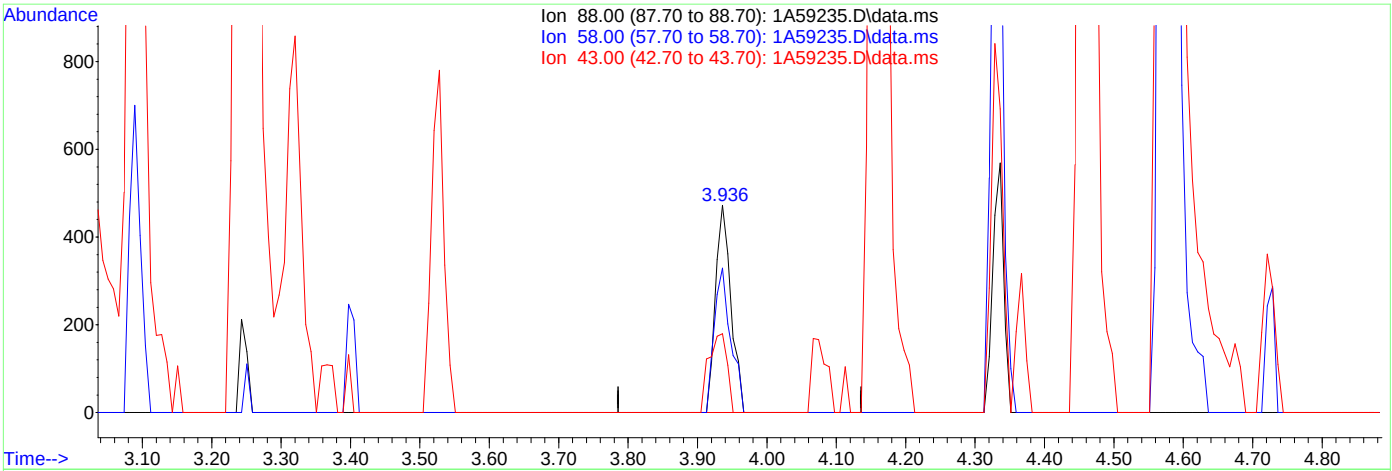
response 0

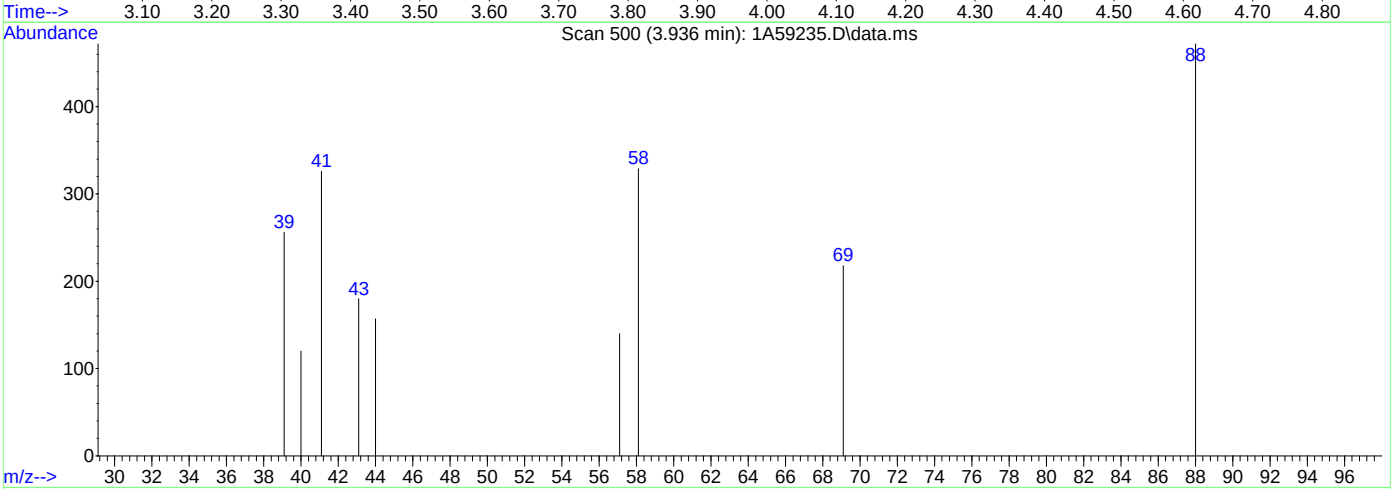
Ion	Exp%	Act%
88.00	100	0.00
58.00	68.90	0.00#
43.00	24.60	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59235.D
Acq On : 18 Sep 2024 9:46 am
Operator : jeniferw
Sample : IC3047-3 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 18 11:46:22 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59235.D\data.ms

(59) 1,4-Dioxane

3.936min (-0.000) 147.73ug/L m

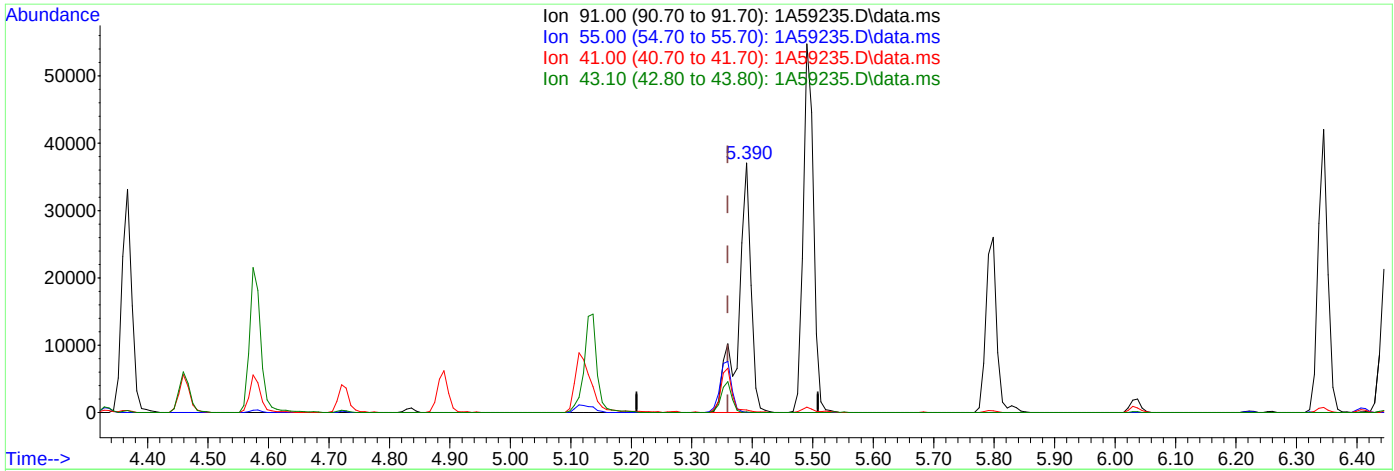
response 731

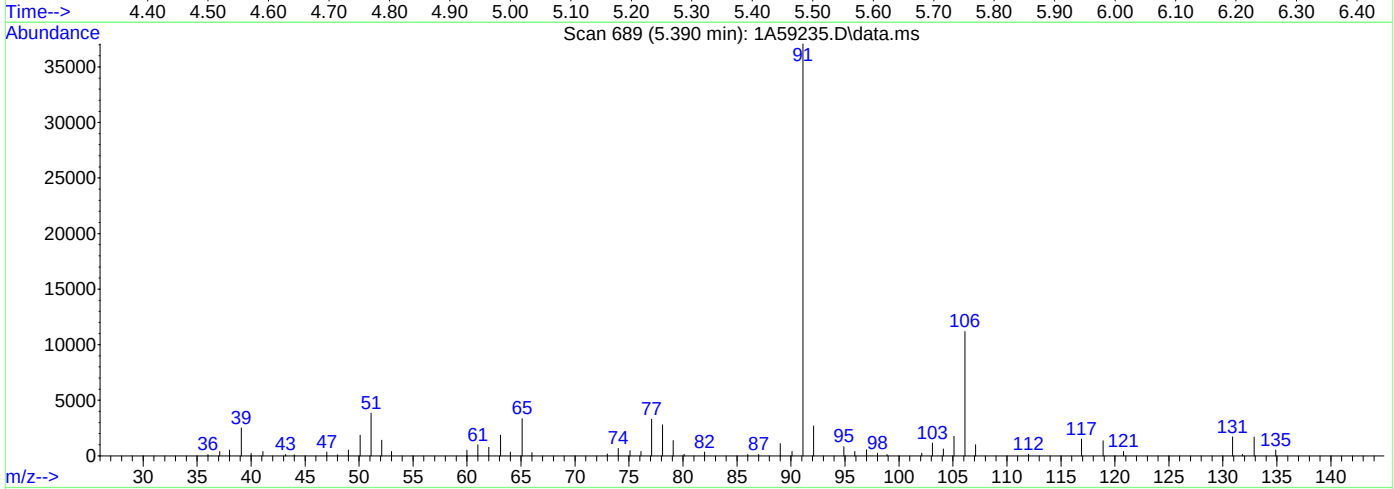
Ion	Exp%	Act%
88.00	100	100
58.00	68.90	69.70
43.00	24.60	38.14
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59235.D
Acq On : 18 Sep 2024 9:46 am
Operator : jeniferw
Sample : IC3047-3 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 18 11:46:22 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59235.D\data.ms

(76) 1-Chlorohexane

5.390min (+0.031) 33.63ug/L

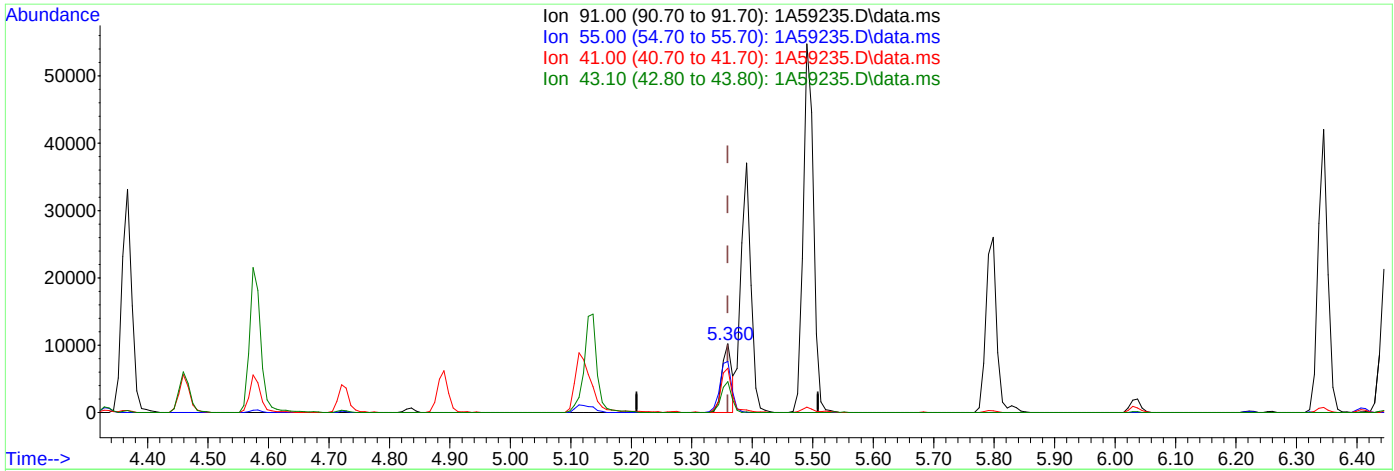
response 54389

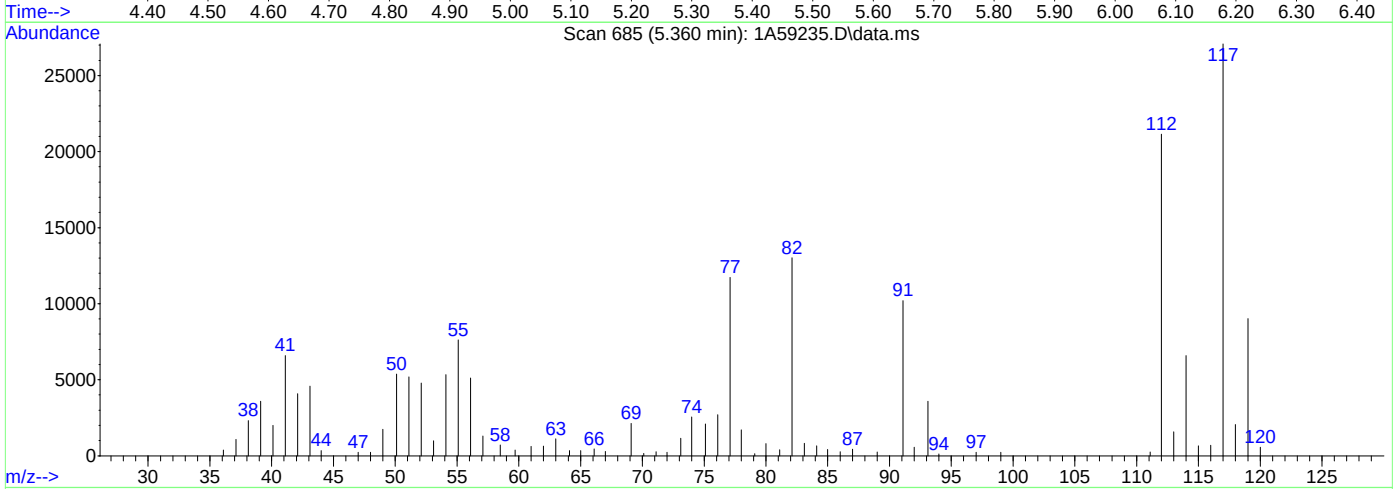
Ion	Exp%	Act%
91.00	100	100
55.00	77.50	0.00#
41.00	62.80	1.08#
43.10	51.70	0.33#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59235.D
Acq On : 18 Sep 2024 9:46 am
Operator : jeniferw
Sample : IC3047-3 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 18 11:46:22 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59235.D\data.ms

(76) 1-Chlorohexane

5.360min (+0.001) 7.19ug/L m

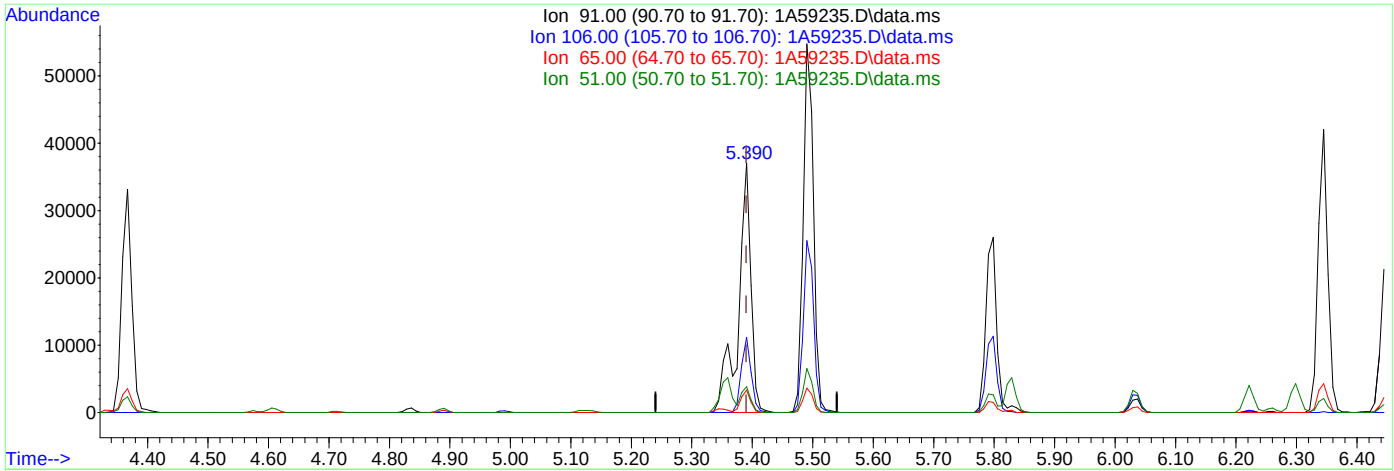
response 11635

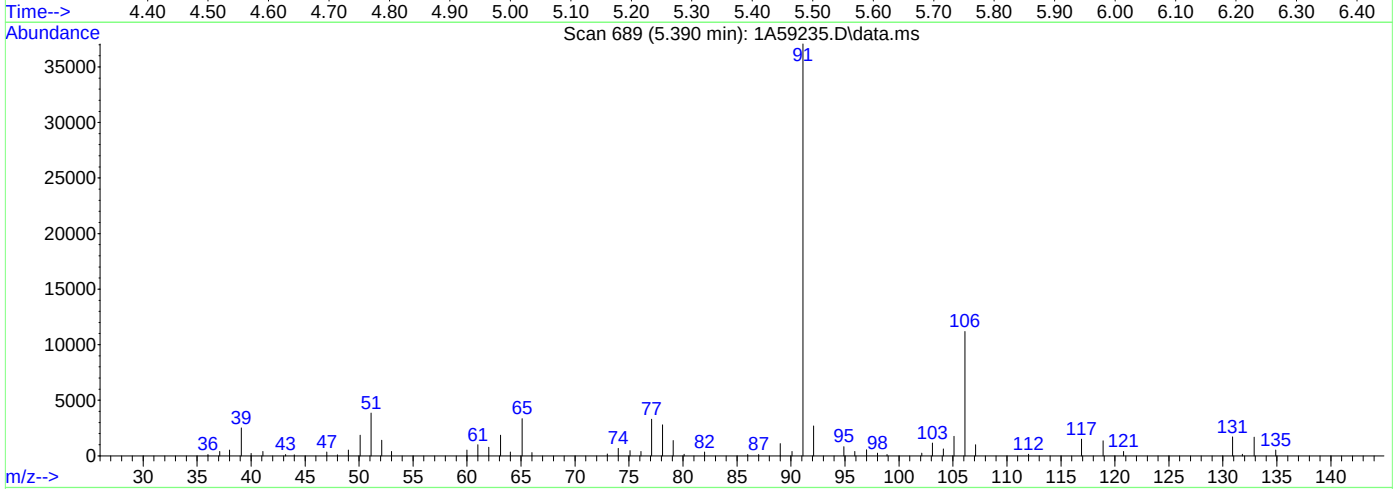
Ion	Exp%	Act%
91.00	100	100
55.00	77.50	74.68
41.00	62.80	64.55
43.10	51.70	44.97

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59235.D
Acq On : 18 Sep 2024 9:46 am
Operator : jeniferw
Sample : IC3047-3 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 18 11:46:22 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59235.D\data.ms

(77) Ethylbenzene

5.390min (+0.000) 11.58ug/L

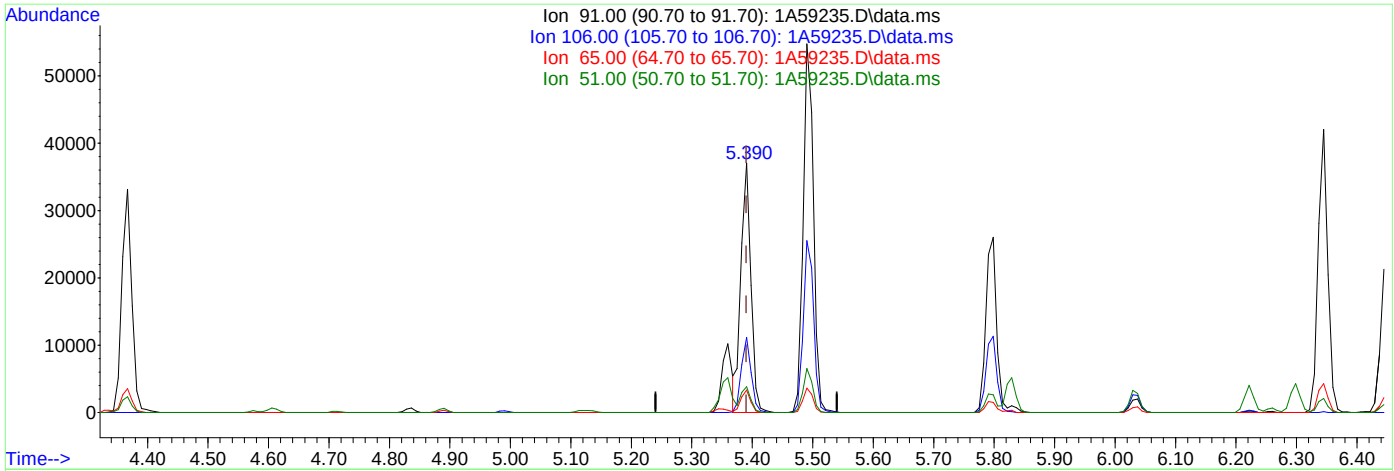
response 54389

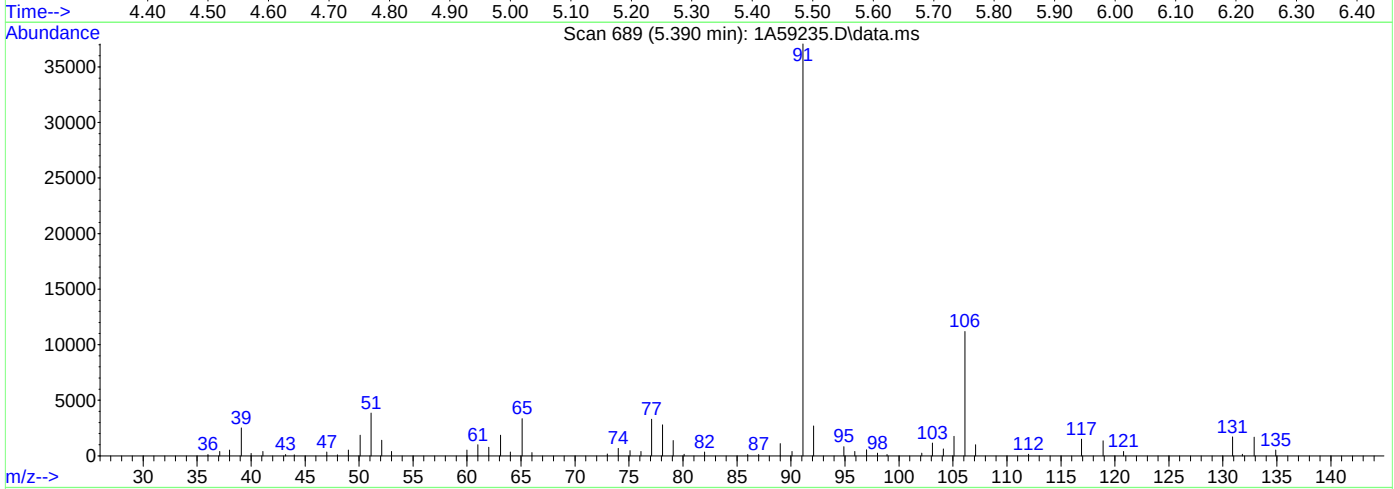
Ion	Exp%	Act%
91.00	100	100
106.00	29.70	30.18
65.00	9.20	9.04
51.00	10.90	10.37

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59235.D
Acq On : 18 Sep 2024 9:46 am
Operator : jeniferw
Sample : IC3047-3 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 18 11:46:22 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59235.D\data.ms

(77) Ethylbenzene

5.390min (+0.000) 9.10ug/L m

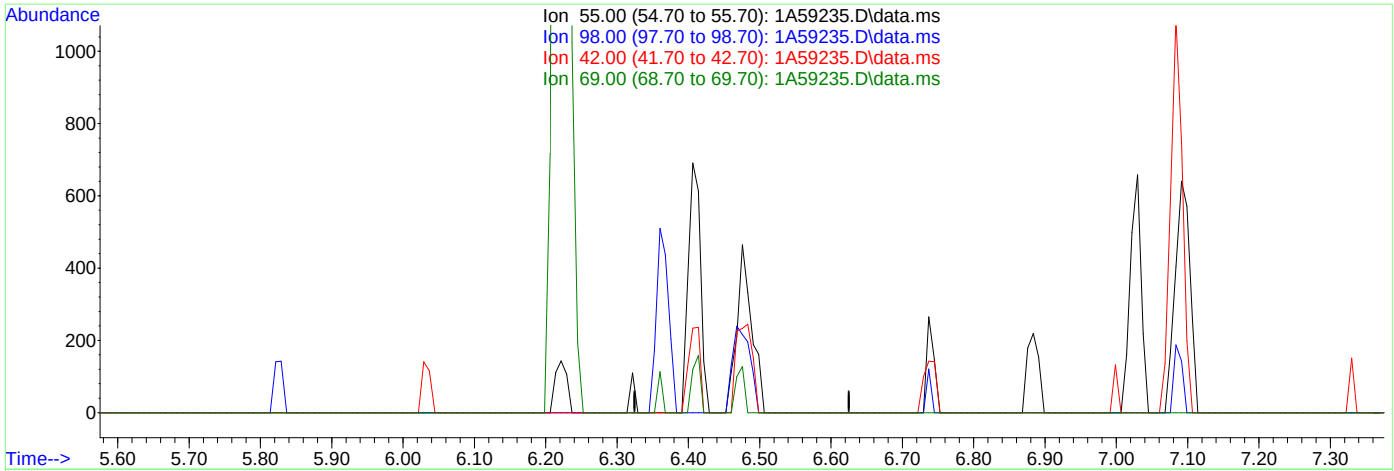
response 42757

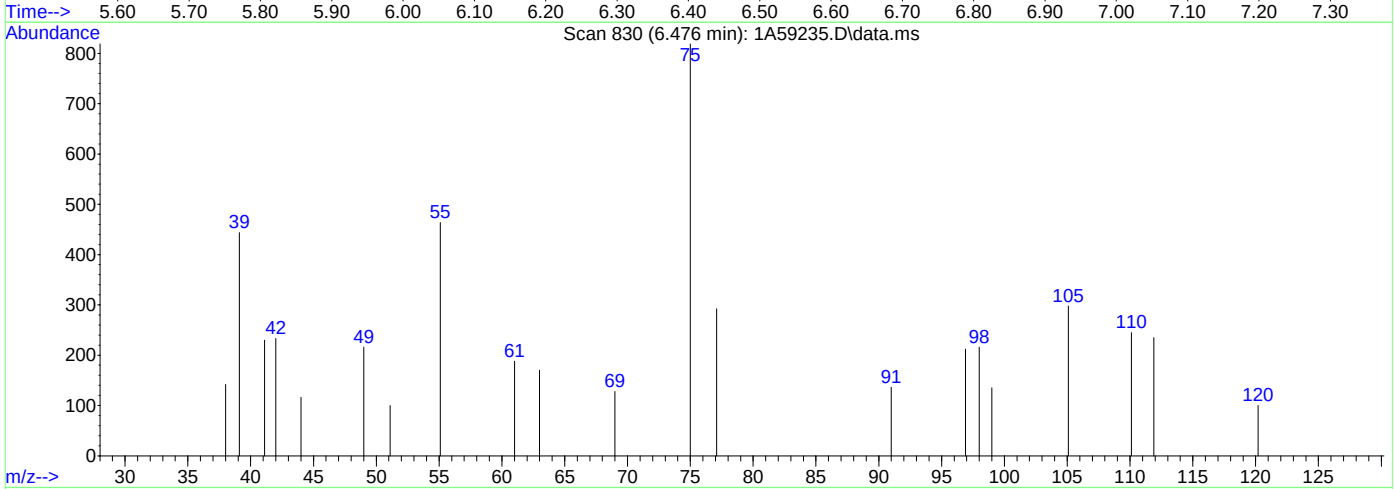
Ion	Exp%	Act%
91.00	100	100
106.00	29.70	30.18
65.00	9.20	9.04
51.00	10.90	10.37

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59235.D
Acq On : 18 Sep 2024 9:46 am
Operator : jeniferw
Sample : IC3047-3 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 18 11:46:22 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59235.D\data.ms

(95) Cyclohexanone

6.475min (-6.475) 0.00ug/L

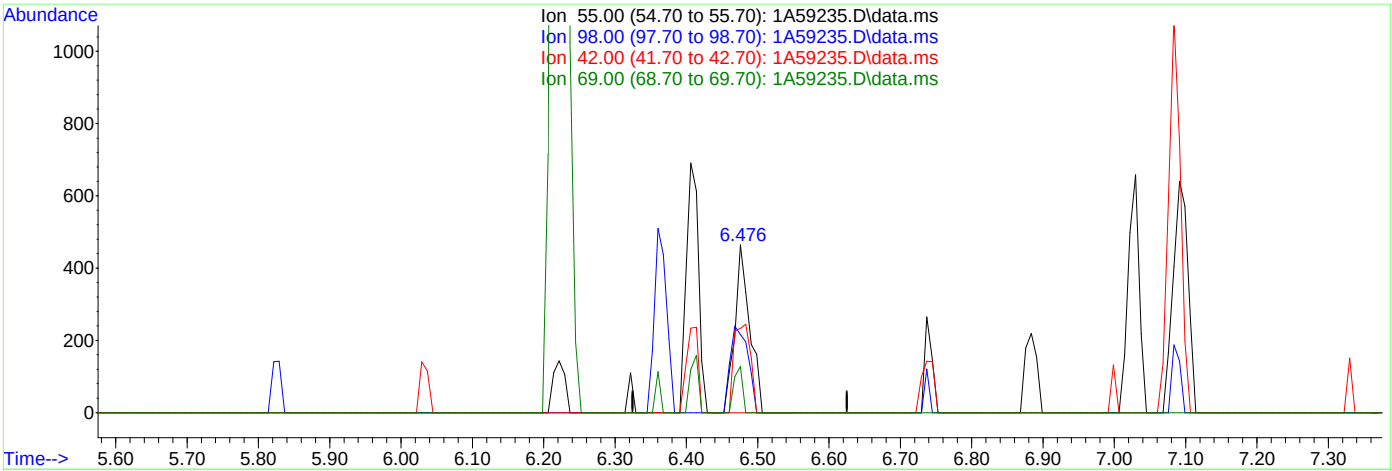
response 0

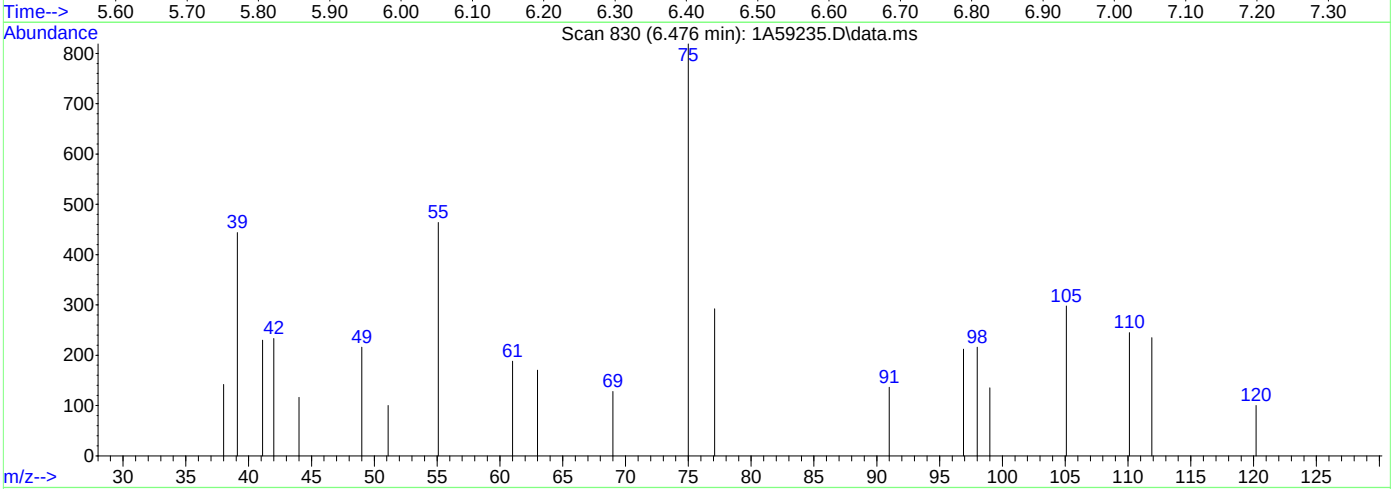
Ion	Exp%	Act%
55.00	100	0.00
98.00	41.70	0.00#
42.00	68.30	0.00#
69.00	29.80	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59235.D
Acq On : 18 Sep 2024 9:46 am
Operator : jeniferw
Sample : IC3047-3 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 18 11:46:22 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59235.D\data.ms

(95) Cyclohexanone

6.476min (+0.001) 36.42ug/L m

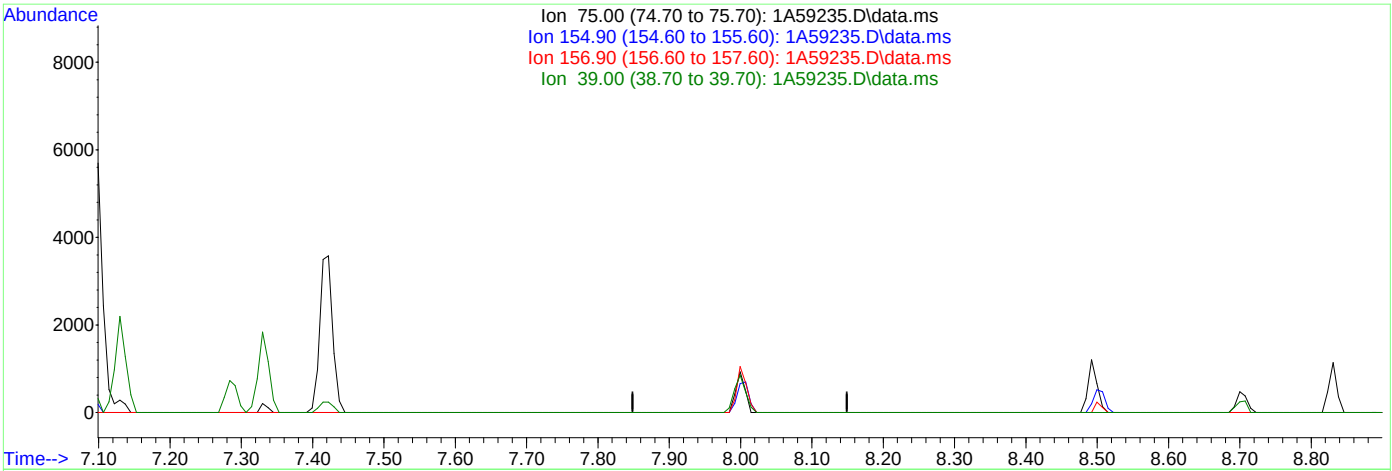
response 678

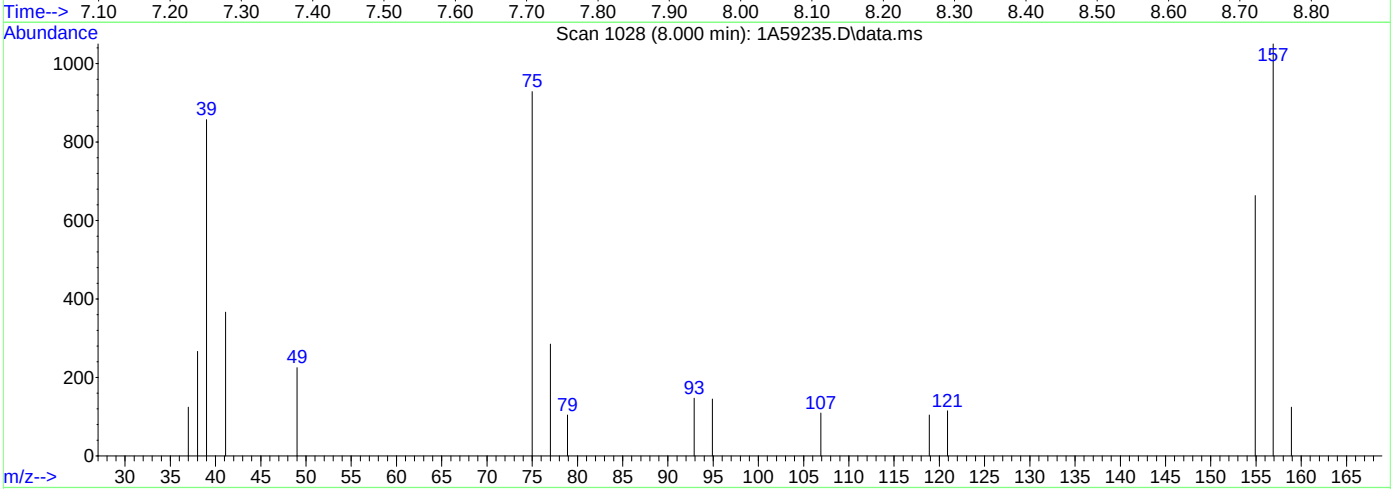
Ion	Exp%	Act%
55.00	100	100
98.00	41.70	46.55
42.00	68.30	50.22
69.00	29.80	27.59

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59235.D
Acq On : 18 Sep 2024 9:46 am
Operator : jeniferw
Sample : IC3047-3 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 18 11:46:22 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59235.D\data.ms

(108) 1,2-Dibromo-3-Chloropropane

7.999min (-7.999) 0.00ug/L

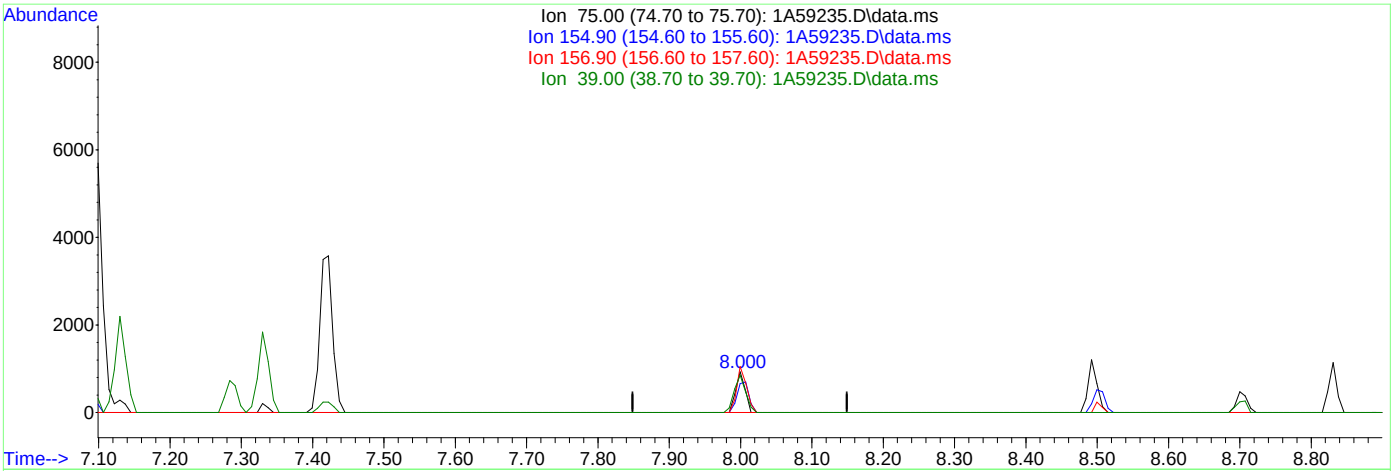
response 0

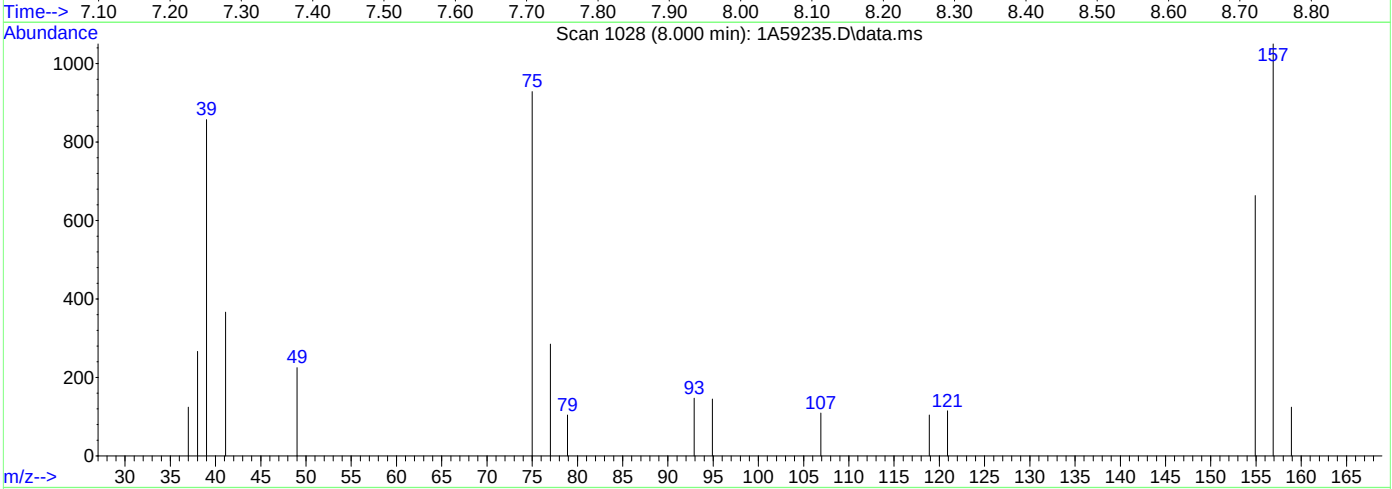
Ion	Exp%	Act%
75.00	100	0.00
154.90	75.30	0.00#
156.90	96.90	0.00#
39.00	77.50	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59235.D
Acq On : 18 Sep 2024 9:46 am
Operator : jeniferw
Sample : IC3047-3 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 18 11:46:22 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59235.D\data.ms

(108) 1,2-Dibromo-3-Chloropropane

8.000min (+0.001) 7.72ug/L m

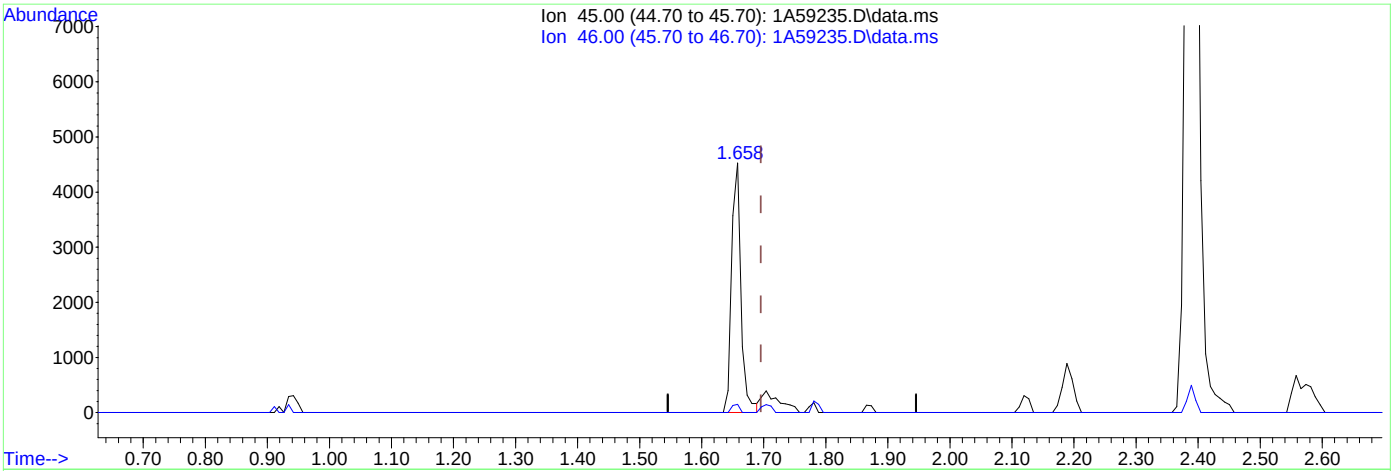
response 849

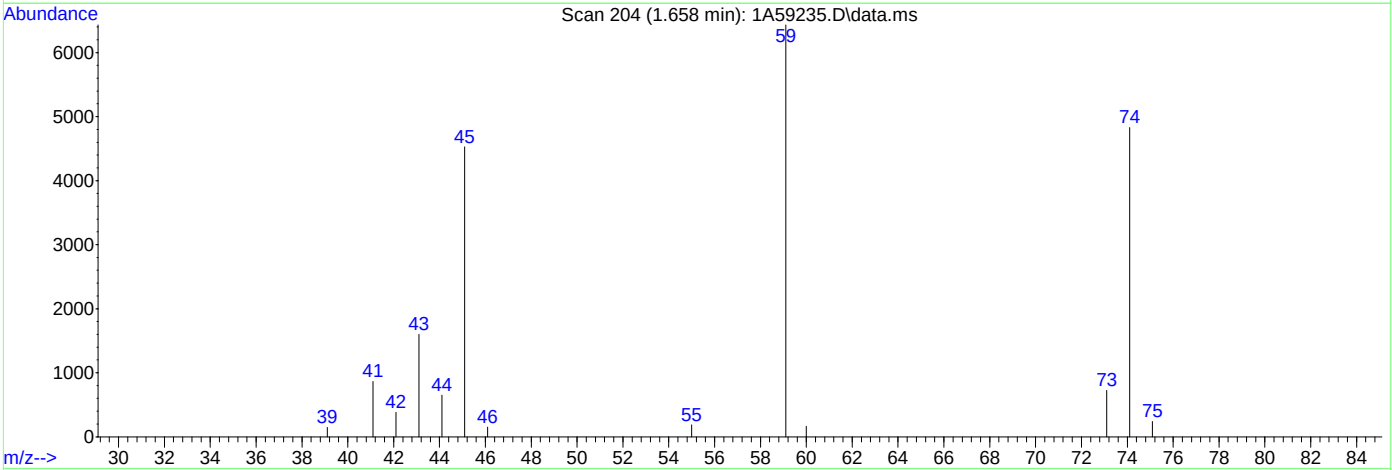
Ion	Exp%	Act%
75.00	100	100
154.90	75.30	71.44
156.90	96.90	113.15
39.00	77.50	92.35

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59235.D
Acq On : 18 Sep 2024 9:46 am
Operator : jeniferw
Sample : IC3047-3 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 18 12:11:34 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59235.D\data.ms

(10) Ethanol

1.658min (-0.038) 782.59ug/L

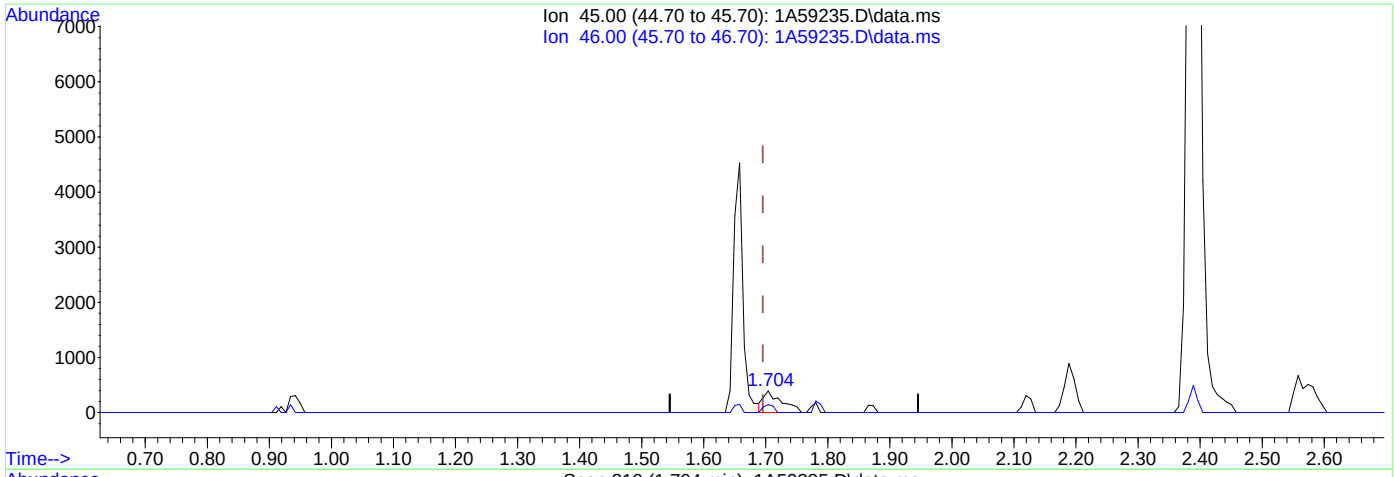
response 4775

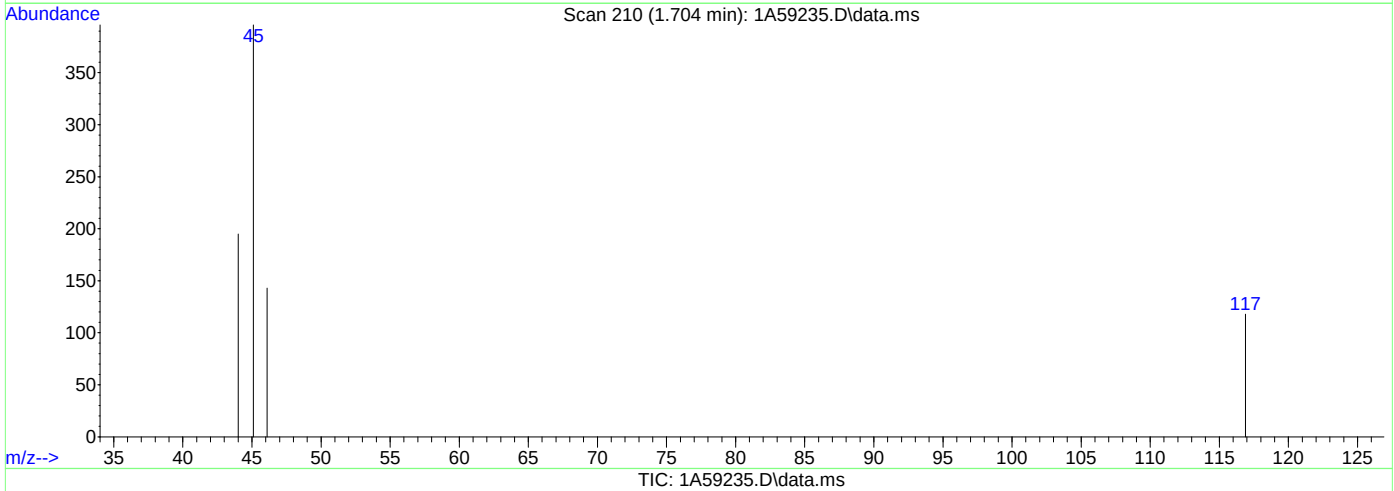
Ion	Exp%	Act%
45.00	100	100
46.00	34.40	3.31#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59235.D
Acq On : 18 Sep 2024 9:46 am
Operator : jeniferw
Sample : IC3047-3 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 18 12:11:34 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59235.D\data.ms

(10) Ethanol

1.704min (+0.008) 134.39ug/L m

response 820

Ion	Exp%	Act%
45.00	100	100
46.00	34.40	36.11
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/18/24 15:09

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59237.D
Acq On : 18 Sep 2024 10:18 am
Operator : jeniferw
Sample : IC3047-4 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 18 12:12:35 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.397	96	205384	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.344	117	141045	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.091	152	75876	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	2.951	113	57462	48.65	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	97.30%		
49) 1,2-Dichloroethane-d4	3.235	65	65636	48.48	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery =	96.96%		
63) Toluene-d8	4.328	98	201119	51.59	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery =	103.18%		
86) 4-Bromofluorobenzene	6.222	174	61637	49.34	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	98.68%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.019	85	30222	21.53	ug/L	99
3) Chloromethane	1.127	50	26839	19.67	ug/L	100
4) 1,3-butadiene	1.180	39	23772	18.90	ug/L	99
5) Vinyl Chloride	1.173	62	29133	21.49	ug/L	95
6) Bromomethane	1.342	94	15608	28.23	ug/L	99
7) Chloroethane	1.411	64	18383	24.80	ug/L	97
8) Trichlorofluoromethane	1.496	101	44089	25.48	ug/L	96
9) Ethyl Ether	1.650	59	19203	23.01	ug/L	99
10) Ethanol	1.704	45	3162m	501.25	ug/L	
11) 1,2-Dichlorotrifluoroe...	1.742	67	30899	23.98	ug/L	94
12) 1,1-Dichloroethene	1.758	61	36851	21.89	ug/L	91
13) Freon 113	1.781	101	24859	23.77	ug/L	94
14) Carbon Disulfide	1.781	76	73625	22.53	ug/L	100
15) Iodomethane	1.827	142	15250	21.84	ug/L	99
16) Acrolein	1.904	56	13915	99.27	ug/L	99
17) Allyl chloride	1.989	41	33064	19.21	ug/L	88
18) Methylene Chloride	2.042	49	35119	23.22	ug/L	88
19) Acetone	2.042	43	23200	112.66	ug/L	96
20) Methyl acetate	2.119	43	65433	108.43	ug/L	96
21) trans-1,2-Dichloroethene	2.135	61	36201	22.37	ug/L	90
22) Hexane	2.196	56	23985	22.20	ug/L #	86
23) Methyl Tert Butyl Ether	2.189	73	58643	24.35	ug/L #	69
24) Acetonitrile	2.266	41	17966	226.54	ug/L	98
25) Tert Butyl Alcohol	2.204	59	13171	246.14	ug/L #	70
26) Di-isopropyl ether	2.389	45	77508	21.81	ug/L	95
27) Chloroprene	2.435	53	71757	21.75	ug/L	98
28) 1,1-Dichloroethane	2.443	63	46980	22.38	ug/L	99
29) Acrylonitrile	2.435	52	38242	112.50	ug/L	95
30) ETBE	2.573	59	73230	23.67	ug/L	98
31) Vinyl acetate	2.558	43	223079	112.45	ug/L	97
32) cis-1,2-Dichloroethene	2.720	96	28009	24.41	ug/L	90
33) 2,2-Dichloropropane	2.781	77	34612	22.80	ug/L	98
34) Bromochloromethane	2.820	128	14073	24.94	ug/L	96
35) Cyclohexane	2.858	56	45699	22.03	ug/L	93
36) Chloroform	2.858	83	50209	24.05	ug/L	98
37) Ethyl acetate	2.912	43	86674	114.56	ug/L	97
38) Tetrahydrofuran	2.943	42	5090	21.67	ug/L	92
40) Carbon Tetrachloride	2.958	117	35903m	23.54	ug/L	
41) 1,1,1-Trichloroethane	2.981	97	40986	23.94	ug/L	98
42) 2-Butanone	2.997	43	37040	108.23	ug/L	95
43) 1,1-Dichloropropene	3.051	75	31445	23.55	ug/L	98
44) tert-Butyl formate	3.089	59	62280	106.97	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59237.D
Acq On : 18 Sep 2024 10:18 am
Operator : jeniferw
Sample : IC3047-4 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 18 12:12:35 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Propionitrile	3.135	54	23603	227.95	ug/L		97
46) Methacrylonitrile	3.158	41	112683	215.79	ug/L		97
47) Benzene	3.174	78	103615	23.98	ug/L		98
48) TAME	3.243	73	58011	24.54	ug/L		97
50) 1,2-Dichloroethane	3.266	62	35179	23.25	ug/L		100
51) Isobutyl Alcohol	3.243	43	30448	465.47	ug/L		96
52) Tert Amyl Alcohol	3.320	59	8871	233.89	ug/L		96
53) Trichloroethene	3.505	95	28435	23.80	ug/L		97
54) Methylcyclohexane	3.528	83	44479	24.29	ug/L		95
55) Dibromomethane	3.728	93	16226	25.36	ug/L		94
56) 1,2-Dichloropropane	3.789	63	26869	23.25	ug/L		98
57) Bromodichloromethane	3.820	83	35404	24.62	ug/L		98
58) Methyl methacrylate	3.913	41	14851	21.62	ug/L		92
59) 1,4-Dioxane	3.936	88	2406	470.31	ug/L		85
60) 2-Chloroethyl vinyl ether	4.159	63	48987	112.25	ug/L		93
61) cis-1,3-Dichloropropene	4.205	75	40070	24.78	ug/L		97
64) Toluene	4.367	91	109287	25.31	ug/L		100
65) 2-Nitropropane	4.459	41	22554	141.88	ug/L		97
66) 4-Methyl-2-pentanone	4.574	43	83768	118.44	ug/L		98
67) trans-1,3-Dichloropropene	4.605	75	34794	26.19	ug/L		98
68) Tetrachloroethene	4.628	166	30658	27.95	ug/L		99
69) Ethyl methacrylate	4.721	69	21913	24.14	ug/L		93
70) 1,1,2-Trichloroethane	4.713	83	17169	26.55	ug/L		94
71) Dibromochloromethane	4.836	129	23839	27.10	ug/L		99
72) 1,3-Dichloropropane	4.890	76	34726	25.46	ug/L		93
73) 1,2-Dibromoethane	4.990	107	20580	27.45	ug/L		95
74) 3,3-Dimethyl-1-Butanol	5.113	57	64451	1205.47	ug/L		100
75) 2-hexanone	5.129	43	67556	118.96	ug/L		93
76) 1-Chlorohexane	5.360	91	35236m	21.45	ug/L		
77) Ethylbenzene	5.390	91	127049m	26.63	ug/L		
78) Chlorobenzene	5.360	112	69661	25.48	ug/L		97
79) 1,1,1,2-Tetrachloroethane	5.406	131	23925	27.21	ug/L		98
80) m,p-Xylene	5.490	91	193019	51.05	ug/L		97
81) o-Xylene	5.798	91	98089	26.06	ug/L		99
82) Styrene	5.829	104	71988	27.03	ug/L		98
83) Bromoform	5.829	173	13379	28.32	ug/L		97
84) Isopropylbenzene	6.037	105	113886	26.27	ug/L		99
87) cis-1,4-Dichloro-2-butene	6.260	53	5778	20.58	ug/L		91
88) n-Propylbenzene	6.345	91	140606	25.58	ug/L		99
89) Bromobenzene	6.298	156	28581	25.22	ug/L		96
90) 1,1,2,2-Tetrachloroethane	6.368	83	21962	26.04	ug/L		98
91) 1,3,5-Trimethylbenzene	6.499	105	92051	25.95	ug/L		100
92) 2-Chlorotoluene	6.445	91	77490	24.29	ug/L		99
93) trans-1,4-Dichloro-2-B...	6.499	53	8193	22.85	ug/L		97
94) 1,2,3-Trichloropropane	6.460	110	6278	27.88	ug/L		94
95) Cyclohexanone	6.476	55	2057	105.80	ug/L		94
96) 4-Chlorotoluene	6.576	91	81017	24.53	ug/L		98
97) tert-Butylbenzene	6.737	91	53949	24.78	ug/L		97
98) 1,2,4-Trimethylbenzene	6.791	105	87792	26.41	ug/L		98
99) Pentachloroethane	6.737	167	13035	23.14	ug/L	#	88
100) sec-Butylbenzene	6.883	105	115958	25.81	ug/L		100
101) 4-Isopropyltoluene	6.999	119	95667	26.40	ug/L		98
102) 1,3-Dichlorobenzene	7.030	146	50841	25.78	ug/L		97
103) 1,2,3-Trimethylbenzene	7.130	105	85864	25.12	ug/L		99
104) 1,4-Dichlorobenzene	7.099	146	50319	25.11	ug/L		97
105) n-Butylbenzene	7.330	92	44369	26.52	ug/L		99
106) Benzyl Chloride	7.284	126	6209	27.25	ug/L	#	90
107) 1,2-Dichlorobenzene	7.422	146	44114	25.48	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59237.D
Acq On : 18 Sep 2024 10:18 am
Operator : jeniferw
Sample : IC3047-4 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 18 12:12:35 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration

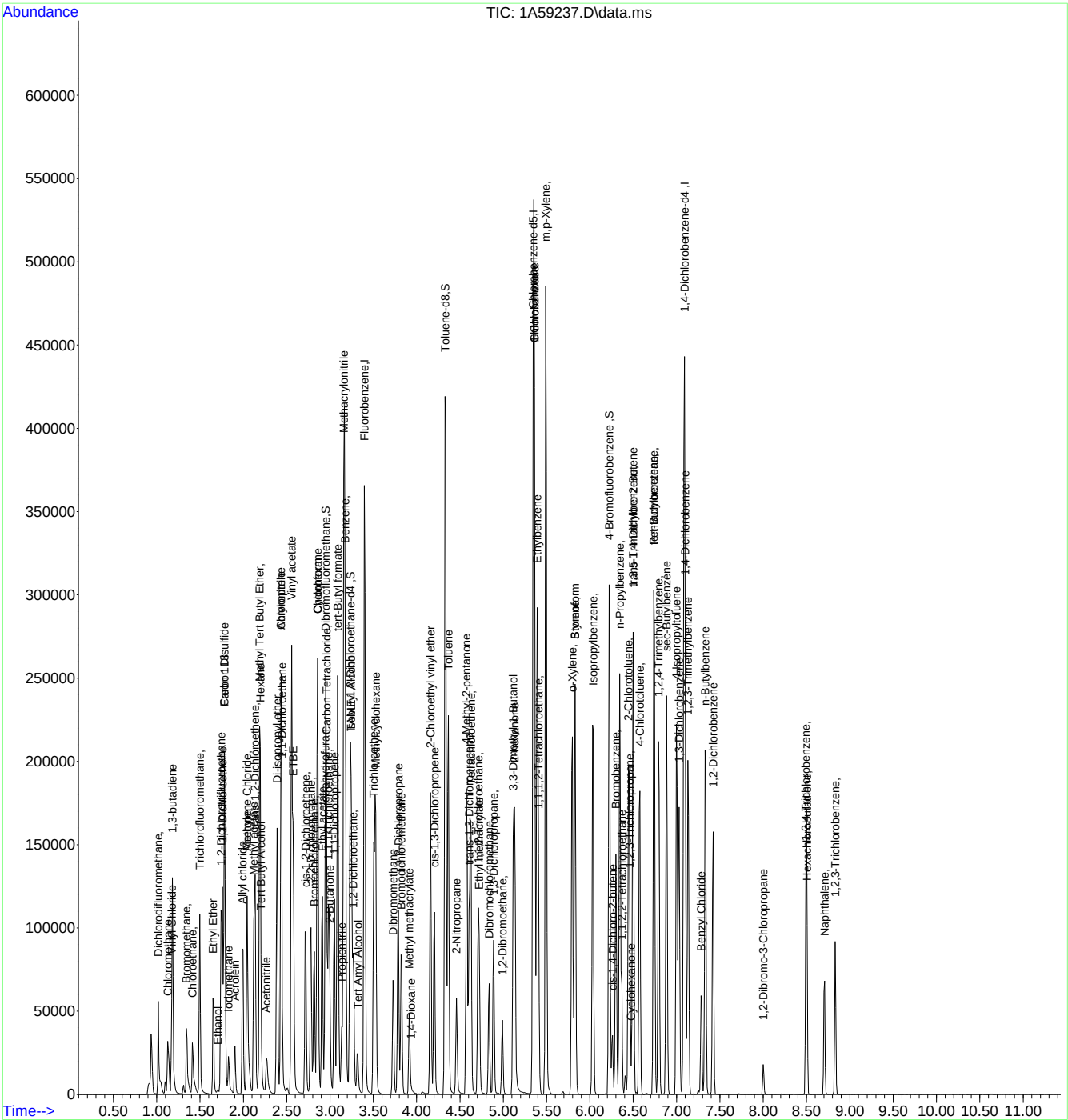
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) 1,2-Dibromo-3-Chloropr...	7.999	75	2754	23.97	ug/L	84
109) Hexachlorobutadiene	8.507	225	11210	23.58	ug/L	94
110) 1,2,4-Trichlorobenzene	8.492	180	21700	25.88	ug/L	96
111) Naphthalene	8.707	128	36538	26.90	ug/L	99
112) 1,2,3-Trichlorobenzene	8.831	180	16414	25.87	ug/L	99

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

Quantitation Report (QT Reviewed)

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Manual Integration Approval Summary

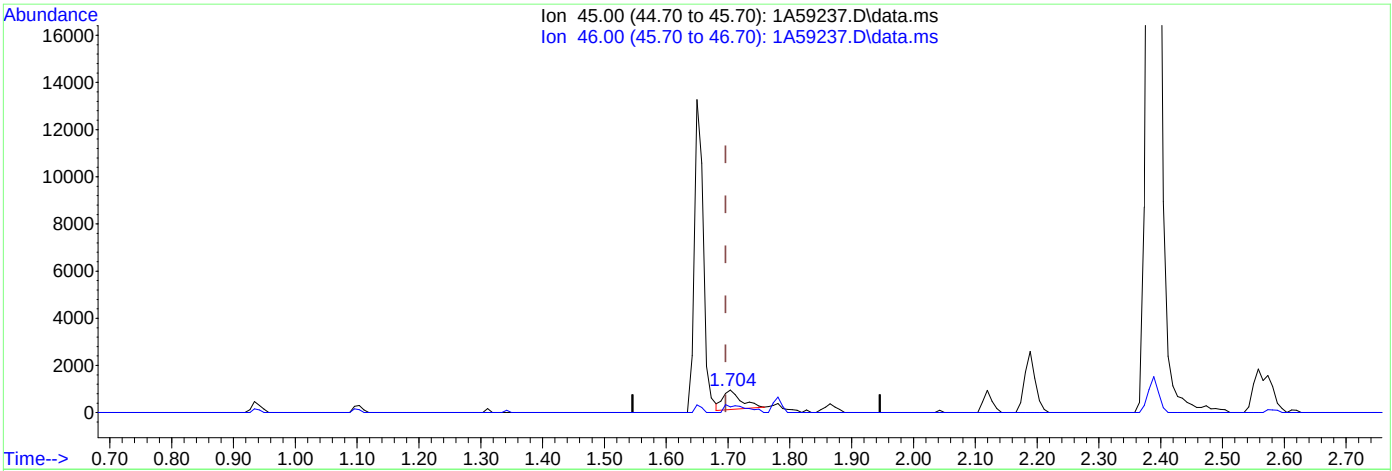
Sample Number: V1A3047-IC3047
Lab FileID: 1A59237.D
Injection Time: 09/18/24 10:18
Method: SW846 8260D
Analyst approved: 09/18/24 14:30 Jenifer Willis
Supervisor approved: 09/18/24 15:09 Karen Watson

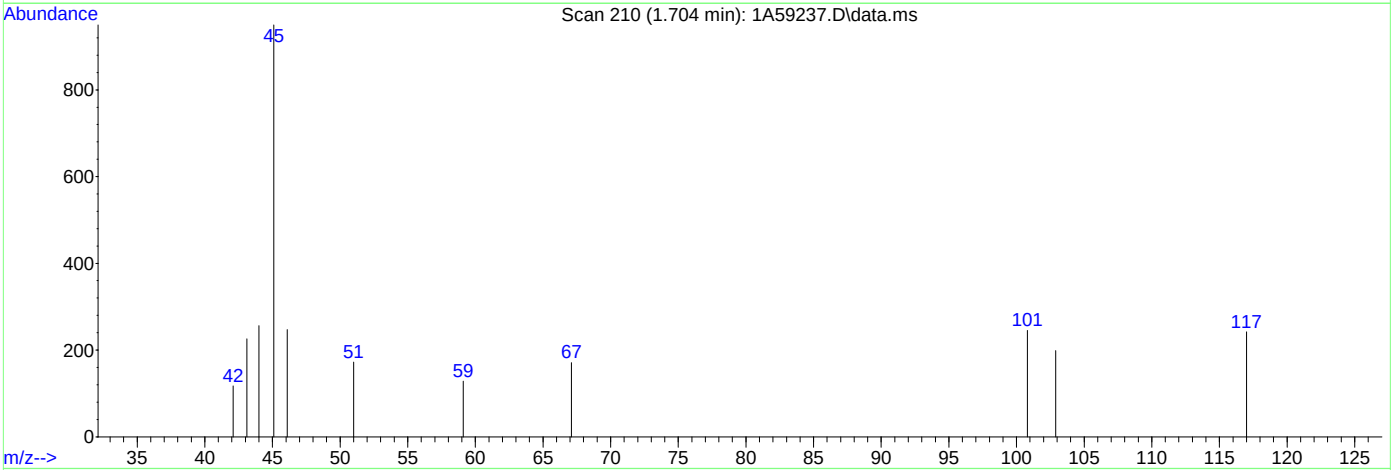
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		1.70	Poorly defined baseline
Carbon Tetrachloride	56-23-5		2.96	Overlapping peak
1-Chlorohexane	544-10-5		5.36	Overlapping peak
Ethylbenzene	100-41-4		5.39	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
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Sample : IC3047-4 Inst : MSVOA17-1A_2A
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Quant Title : SW-846 Method 5030/8260D & EPA 624.1
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TIC: 1A59237.D\data.ms

(10) Ethanol

1.704min (+0.008) 267.75ug/L

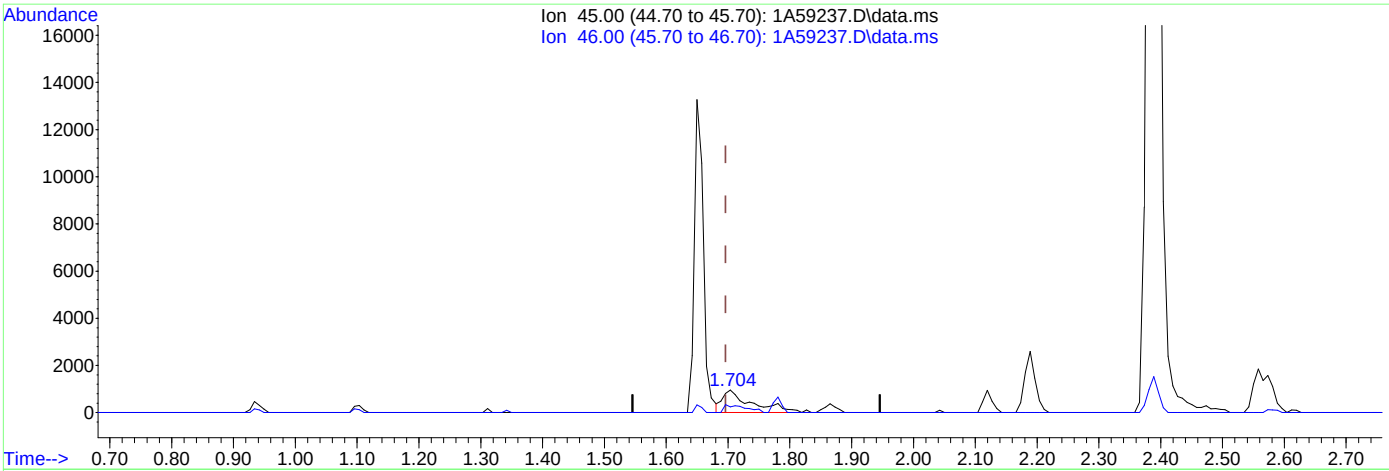
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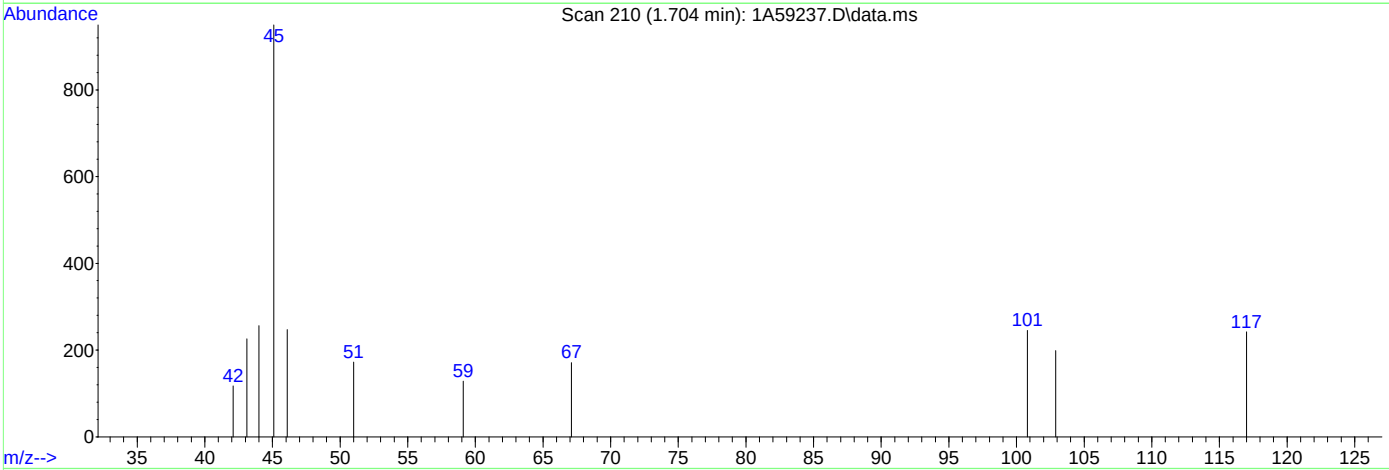
Ion	Exp%	Act%
45.00	100	100
46.00	34.40	34.07
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

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Quant Time: Sep 18 11:46:24 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59237.D\data.ms

(10) Ethanol

1.704min (+0.008) 501.25ug/L m

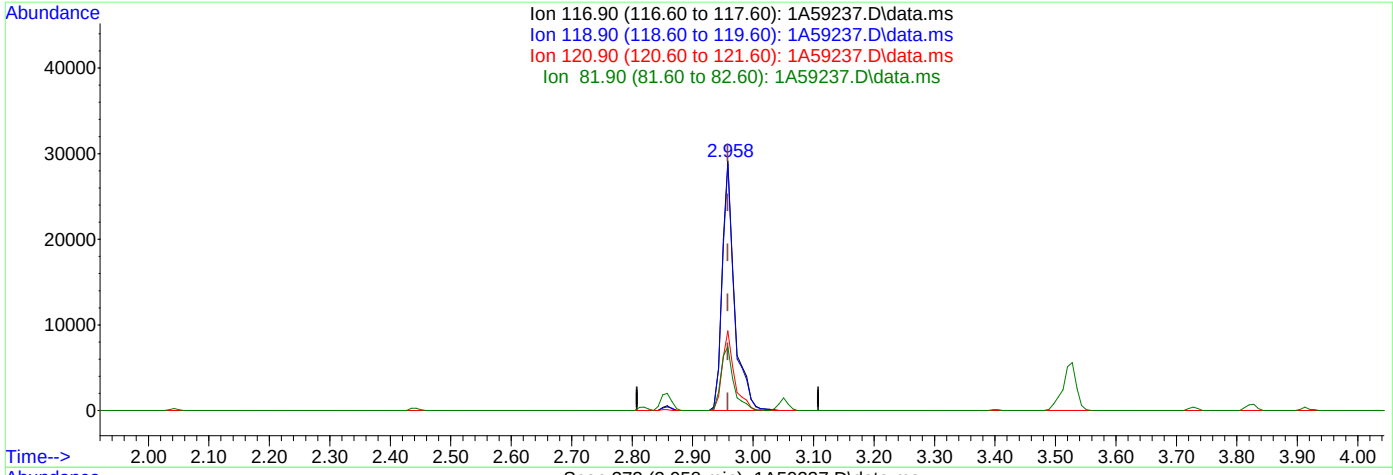
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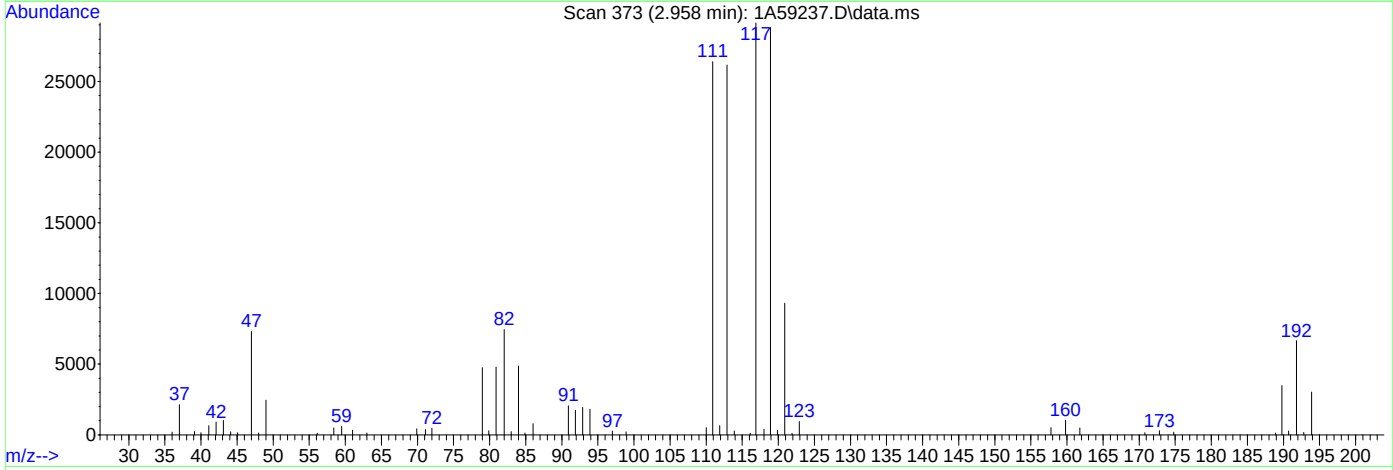
Ion	Exp%	Act%
45.00	100	100
46.00	34.40	26.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59237.D
Acq On : 18 Sep 2024 10:18 am
Operator : jeniferw
Sample : IC3047-4 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 18 11:46:24 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59237.D\data.ms

(40) Carbon Tetrachloride ( )

2.958min (+0.000) 27.02ug/L

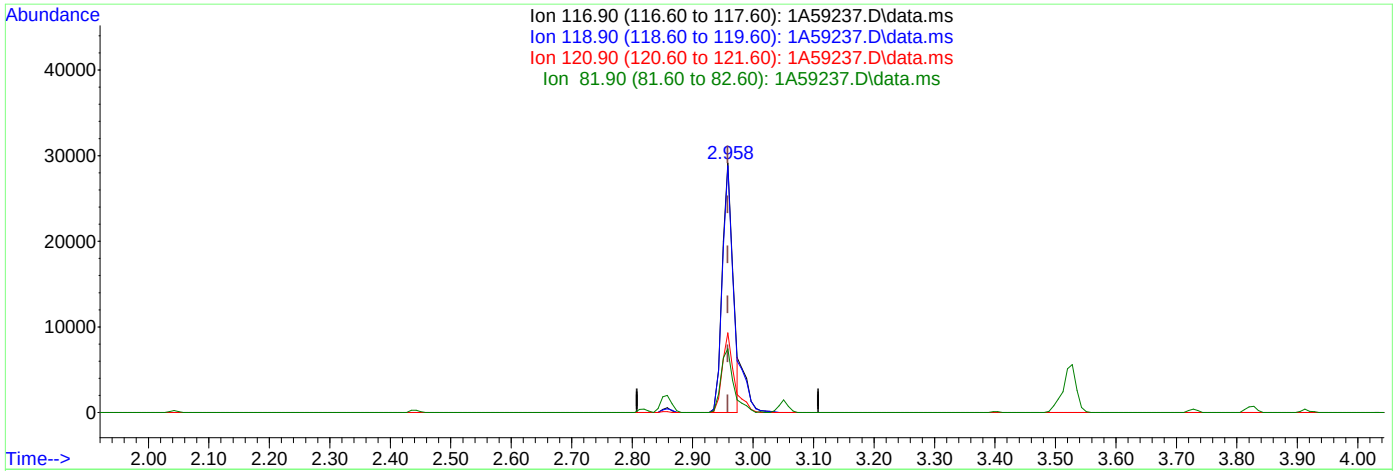
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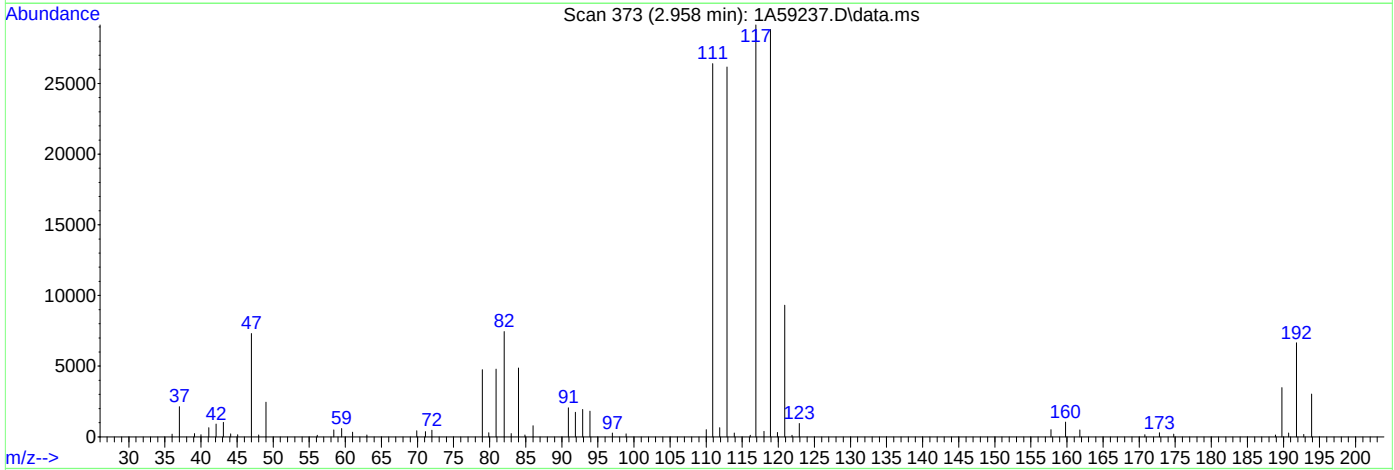
Ion	Exp%	Act%
116.90	100	100
118.90	96.70	98.85
120.90	32.00	31.95
81.90	24.70	25.58

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59237.D
Acq On : 18 Sep 2024 10:18 am
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Sample : IC3047-4 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 18 11:46:24 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59237.D\data.ms

(40) Carbon Tetrachloride ( )

2.958min (+0.000) 23.54ug/L m

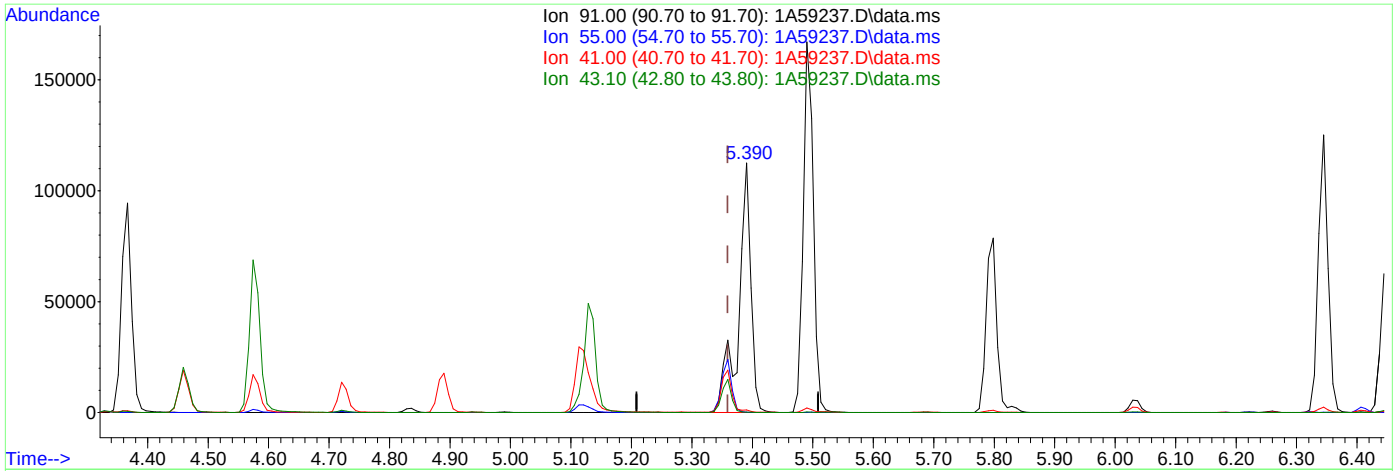
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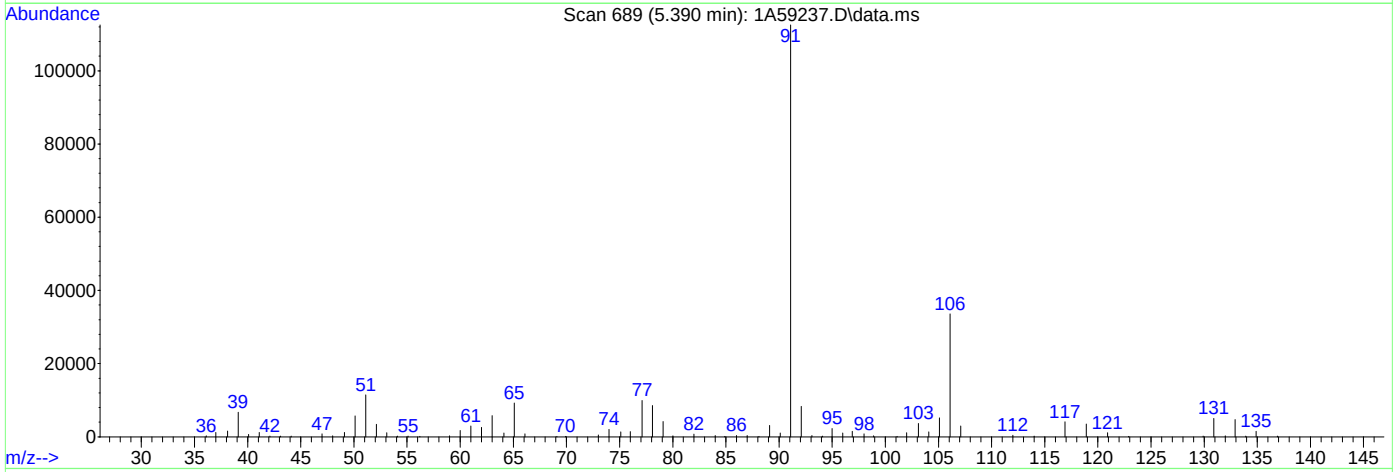
Ion	Exp%	Act%
116.90	100	100
118.90	96.70	98.85
120.90	32.00	31.95
81.90	24.70	25.58

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59237.D
Acq On : 18 Sep 2024 10:18 am
Operator : jeniferw
Sample : IC3047-4 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
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Quant Time: Sep 18 11:46:24 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59237.D\data.ms

(76) 1-Chlorohexane

5.390min (+0.031) 98.80ug/L

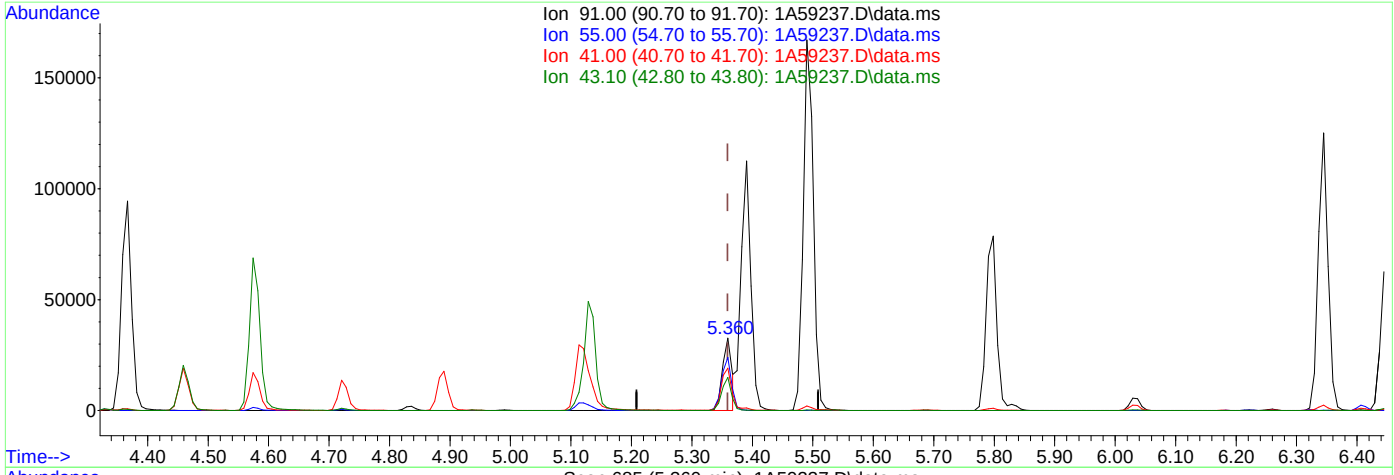
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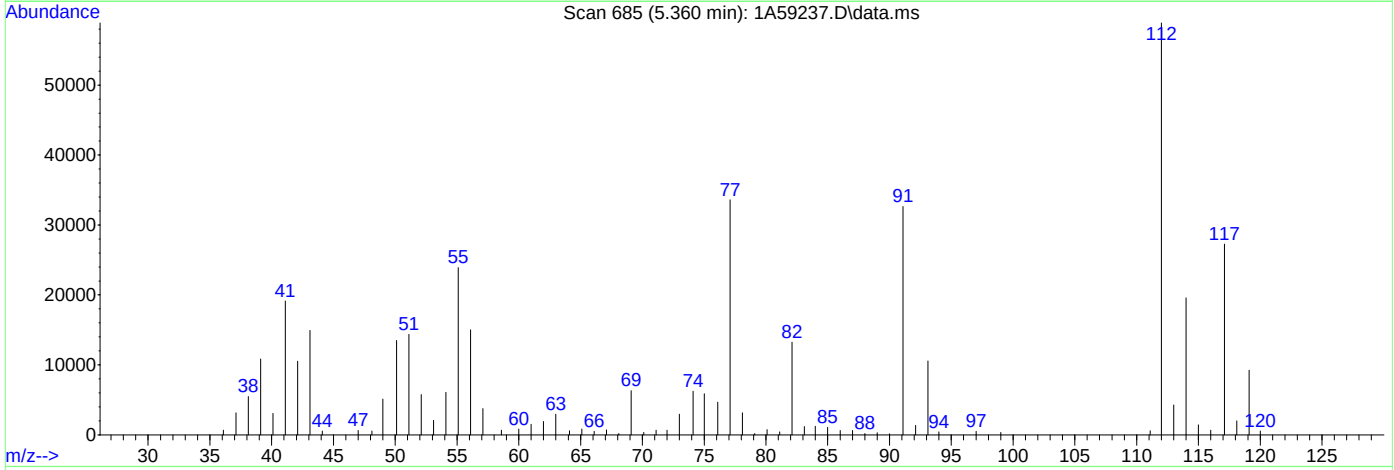
Ion	Exp%	Act%
91.00	100	100
55.00	77.50	0.21#
41.00	62.80	1.03#
43.10	51.70	0.17#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59237.D
Acq On : 18 Sep 2024 10:18 am
Operator : jeniferw
Sample : IC3047-4 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 18 11:46:24 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59237.D\data.ms

(76) 1-Chlorohexane

5.360min (+0.001) 21.45ug/L m

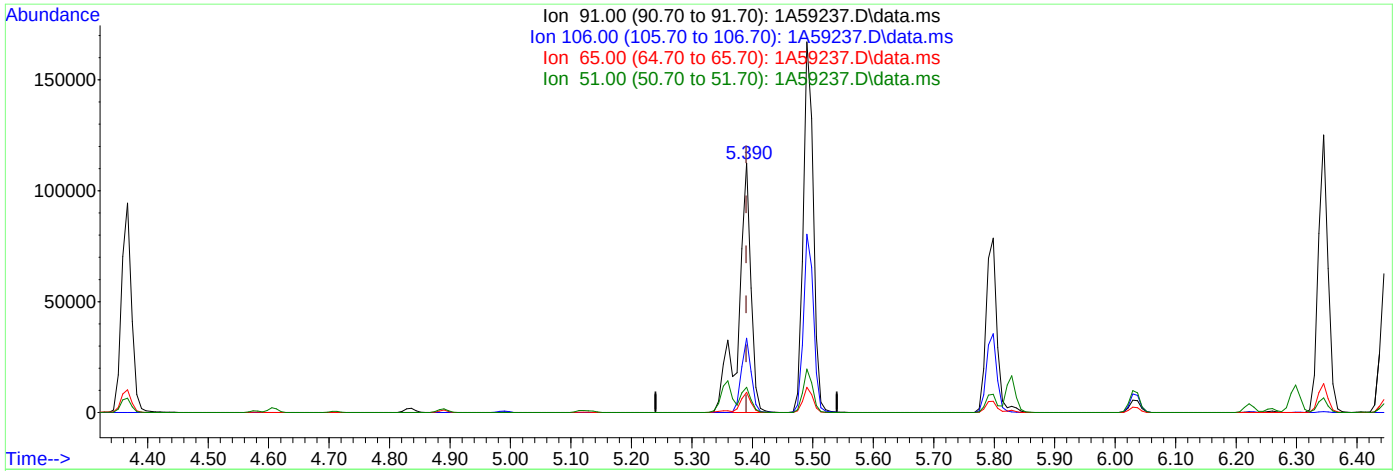
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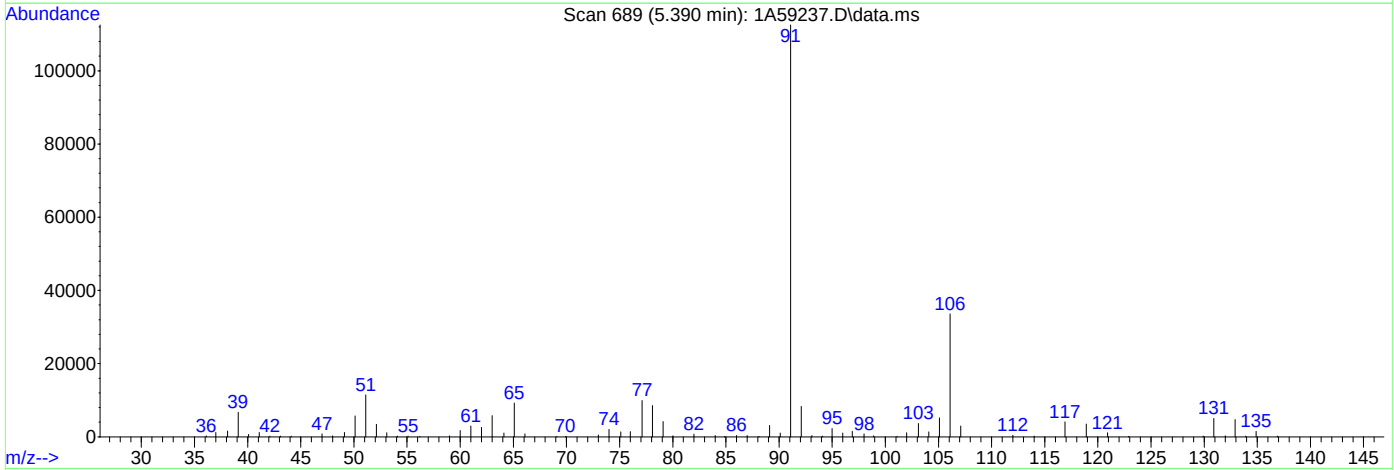
Ion	Exp%	Act%
91.00	100	100
55.00	77.50	73.32
41.00	62.80	58.61
43.10	51.70	45.76

Quantitation Report (Qedit)

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Sample : IC3047-4 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
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Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59237.D\data.ms

(77) Ethylbenzene

5.390min (+0.000) 34.01ug/L

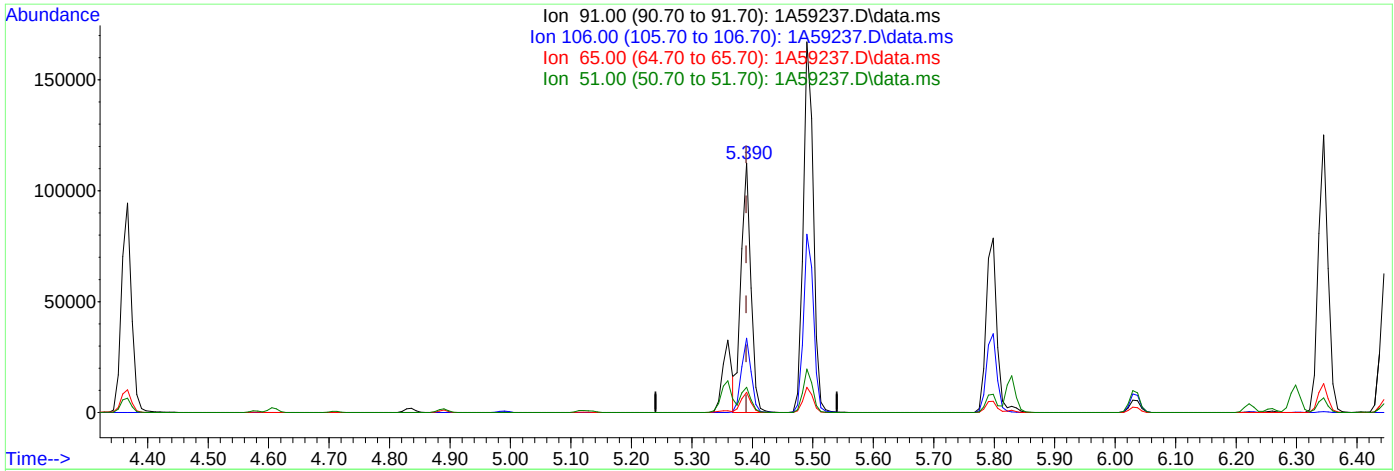
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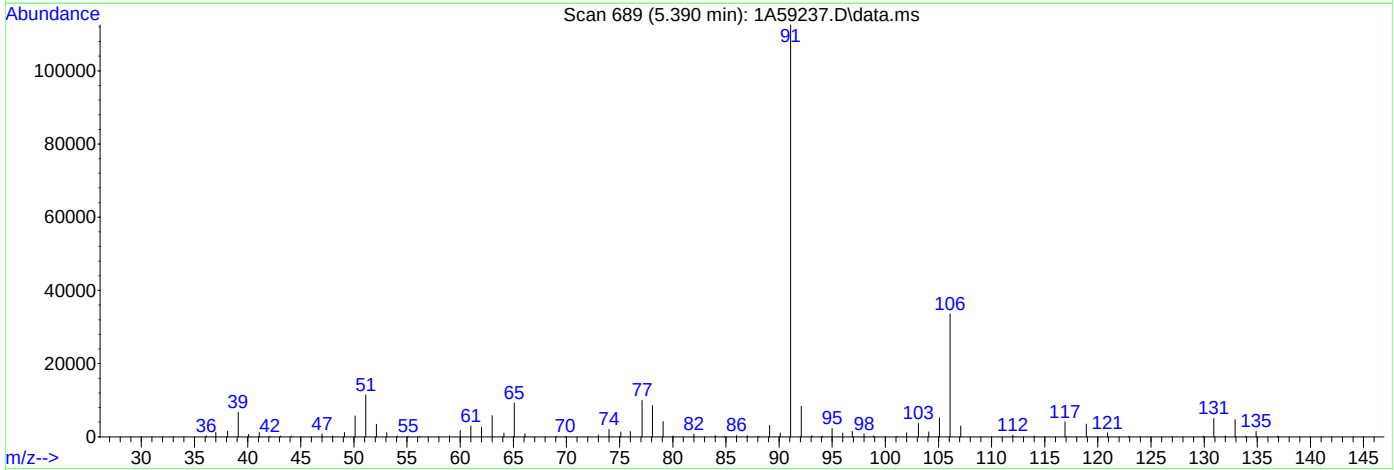
Ion	Exp%	Act%
91.00	100	100
106.00	29.70	29.83
65.00	9.20	8.19
51.00	10.90	10.17

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59237.D
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Sample : IC3047-4 Inst : MSVOA17-1A_2A
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Response via : Initial Calibration





TIC: 1A59237.D\data.ms

(77) Ethylbenzene

5.390min (+0.000) 26.63ug/L m

response 127049

Ion	Exp%	Act%
91.00	100	100
106.00	29.70	29.83
65.00	9.20	8.19
51.00	10.90	10.17

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/18/24 15:09

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59239.D
Acq On : 18 Sep 2024 10:51 am
Operator : jeniferw
Sample : ICC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 18 12:13:25 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.397	96	213708	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.344	117	146209	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.084	152	76819	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	2.951	113	60298	49.06	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.12%			
49) 1,2-Dichloroethane-d4	3.228	65	67747	48.09	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 96.18%			
63) Toluene-d8	4.328	98	205017	50.73	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 101.46%			
86) 4-Bromofluorobenzene	6.222	174	63550	50.25	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.50%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.019	85	47171	32.29	ug/L	100
3) Chloromethane	1.127	50	43635	30.74	ug/L	96
4) 1,3-butadiene	1.181	39	38310	29.27	ug/L	91
5) Vinyl Chloride	1.165	62	47280	33.52	ug/L	98
6) Bromomethane	1.342	94	27663	48.08	ug/L	99
7) Chloroethane	1.411	64	29751	39.96	ug/L	99
8) Trichlorofluoromethane	1.496	101	72123	40.05	ug/L	97
9) Ethyl Ether	1.650	59	30118	34.69	ug/L	98
10) Ethanol	1.696	45	4691m	714.67	ug/L	
11) 1,2-Dichlorotrifluoroe...	1.742	67	51030	38.07	ug/L	92
12) 1,1-Dichloroethene	1.758	61	61519	35.12	ug/L	89
13) Freon 113	1.781	101	41406	38.05	ug/L	98
14) Carbon Disulfide	1.781	76	122960	36.16	ug/L	96
15) Iodomethane	1.827	142	30755	39.16	ug/L	100
16) Acrolein	1.904	56	22787	156.23	ug/L	96
17) Allyl chloride	1.989	41	56208	31.38	ug/L	89
18) Methylene Chloride	2.043	49	54866	34.86	ug/L	88
19) Acetone	2.043	43	35127	163.93	ug/L	97
20) Methyl acetate	2.120	43	101887	162.26	ug/L	96
21) trans-1,2-Dichloroethene	2.135	61	60822	36.12	ug/L	88
22) Hexane	2.189	56	38322	34.08	ug/L	96
23) Methyl Tert Butyl Ether	2.189	73	95806	38.24	ug/L	81
24) Acetonitrile	2.266	41	27092	328.30	ug/L	96
25) Tert Butyl Alcohol	2.204	59	21350	376.32	ug/L	92
26) Di-isopropyl ether	2.389	45	127462	34.47	ug/L	95
27) Chloroprene	2.435	53	116069	33.81	ug/L	98
28) 1,1-Dichloroethane	2.435	63	79527	36.41	ug/L	99
29) Acrylonitrile	2.435	52	59827	169.15	ug/L	89
30) ETBE	2.574	59	120840	37.53	ug/L	97
31) Vinyl acetate	2.558	43	353479	171.24	ug/L	97
32) cis-1,2-Dichloroethene	2.712	96	45677	38.26	ug/L	96
33) 2,2-Dichloropropane	2.781	77	58629	37.11	ug/L	96
34) Bromochloromethane	2.820	128	22985	39.14	ug/L	92
35) Cyclohexane	2.858	56	77462	35.89	ug/L	95
36) Chloroform	2.858	83	81425	37.49	ug/L	98
37) Ethyl acetate	2.905	43	135723	172.40	ug/L	99
38) Tetrahydrofuran	2.943	42	7422	30.37	ug/L	89
40) Carbon Tetrachloride	2.958	117	61912m	39.00	ug/L	
41) 1,1,1-Trichloroethane	2.982	97	68202	38.28	ug/L	98
42) 2-Butanone	2.997	43	57147	160.48	ug/L	96
43) 1,1-Dichloropropene	3.051	75	54032	38.89	ug/L	97
44) tert-Butyl formate	3.089	59	103856	164.79	ug/L	99

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Sample : ICC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 18 12:13:25 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Propionitrile	3.135	54	35893	333.14	ug/L		97
46) Methacrylonitrile	3.159	41	177352	326.40	ug/L		96
47) Benzene	3.174	78	173322	38.55	ug/L		98
48) TAME	3.243	73	95359	38.77	ug/L		95
50) 1,2-Dichloroethane	3.266	62	55505	35.25	ug/L		98
51) Isobutyl Alcohol	3.243	43	48028	705.62	ug/L		96
52) Tert Amyl Alcohol	3.312	59	15270	386.92	ug/L		96
53) Trichloroethene	3.505	95	46847	37.68	ug/L		96
54) Methylcyclohexane	3.520	83	75971	39.88	ug/L		97
55) Dibromomethane	3.728	93	26158	39.29	ug/L		96
56) 1,2-Dichloropropane	3.790	63	44440	36.96	ug/L		98
57) Bromodichloromethane	3.820	83	57981	38.75	ug/L		95
58) Methyl methacrylate	3.913	41	24026	33.62	ug/L		91
59) 1,4-Dioxane	3.936	88	3904	733.41	ug/L		93
60) 2-Chloroethyl vinyl ether	4.159	63	80263	176.76	ug/L		91
61) cis-1,3-Dichloropropene	4.205	75	65515	38.94	ug/L		98
64) Toluene	4.367	91	180994	40.43	ug/L		98
65) 2-Nitropropane	4.459	41	35991	209.83	ug/L		99
66) 4-Methyl-2-pentanone	4.575	43	135270	184.51	ug/L		96
67) trans-1,3-Dichloropropene	4.605	75	56297	40.87	ug/L		98
68) Tetrachloroethene	4.629	166	54683	48.09	ug/L		97
69) Ethyl methacrylate	4.721	69	36883	39.19	ug/L		92
70) 1,1,2-Trichloroethane	4.706	83	27849	41.55	ug/L		97
71) Dibromochloromethane	4.836	129	39032	42.80	ug/L		96
72) 1,3-Dichloropropane	4.890	76	55843	39.50	ug/L		94
73) 1,2-Dibromoethane	4.990	107	32189	41.42	ug/L		99
74) 3,3-Dimethyl-1-Butanol	5.113	57	115910	1929.84	ug/L		97
75) 2-hexanone	5.129	43	109673	181.95	ug/L		93
76) 1-Chlorohexane	5.360	91	60219m	35.37	ug/L		
77) Ethylbenzene	5.391	91	210161m	42.49	ug/L		
78) Chlorobenzene	5.360	112	116634	41.16	ug/L		96
79) 1,1,1,2-Tetrachloroethane	5.406	131	38871	42.64	ug/L		98
80) m,p-Xylene	5.491	91	321713	82.08	ug/L		99
81) o-Xylene	5.798	91	163179	41.82	ug/L		98
82) Styrene	5.829	104	120845	43.78	ug/L		97
83) Bromoform	5.829	173	21700	44.31	ug/L		95
84) Isopropylbenzene	6.029	105	191136	42.53	ug/L		98
87) cis-1,4-Dichloro-2-butene	6.260	53	9421	33.15	ug/L		95
88) n-Propylbenzene	6.345	91	233284	41.92	ug/L		97
89) Bromobenzene	6.299	156	47724	41.60	ug/L		93
90) 1,1,2,2-Tetrachloroethane	6.368	83	34294	40.17	ug/L		99
91) 1,3,5-Trimethylbenzene	6.499	105	153196	42.65	ug/L		98
92) 2-Chlorotoluene	6.445	91	131609	40.75	ug/L		98
93) trans-1,4-Dichloro-2-B...	6.499	53	13325	36.70	ug/L		94
94) 1,2,3-Trichloropropane	6.460	110	9571	41.97	ug/L		98
95) Cyclohexanone	6.476	55	3279	166.58	ug/L		94
96) 4-Chlorotoluene	6.576	91	134837	40.33	ug/L		97
97) tert-Butylbenzene	6.737	91	91795	41.64	ug/L		97
98) 1,2,4-Trimethylbenzene	6.791	105	145725	43.30	ug/L		96
99) Pentachloroethane	6.737	167	20563	36.06	ug/L	#	70
100) sec-Butylbenzene	6.884	105	195788	43.05	ug/L		99
101) 4-Isopropyltoluene	6.999	119	161364	43.98	ug/L		99
102) 1,3-Dichlorobenzene	7.030	146	83993	42.07	ug/L		98
103) 1,2,3-Trimethylbenzene	7.130	105	142610	41.21	ug/L		100
104) 1,4-Dichlorobenzene	7.099	146	83881	41.34	ug/L		96
105) n-Butylbenzene	7.330	92	73908	43.64	ug/L		98
106) Benzyl Chloride	7.284	126	10287	42.03	ug/L	#	93
107) 1,2-Dichlorobenzene	7.422	146	73149	41.72	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59239.D
Acq On : 18 Sep 2024 10:51 am
Operator : jeniferw
Sample : ICC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 18 12:13:25 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration

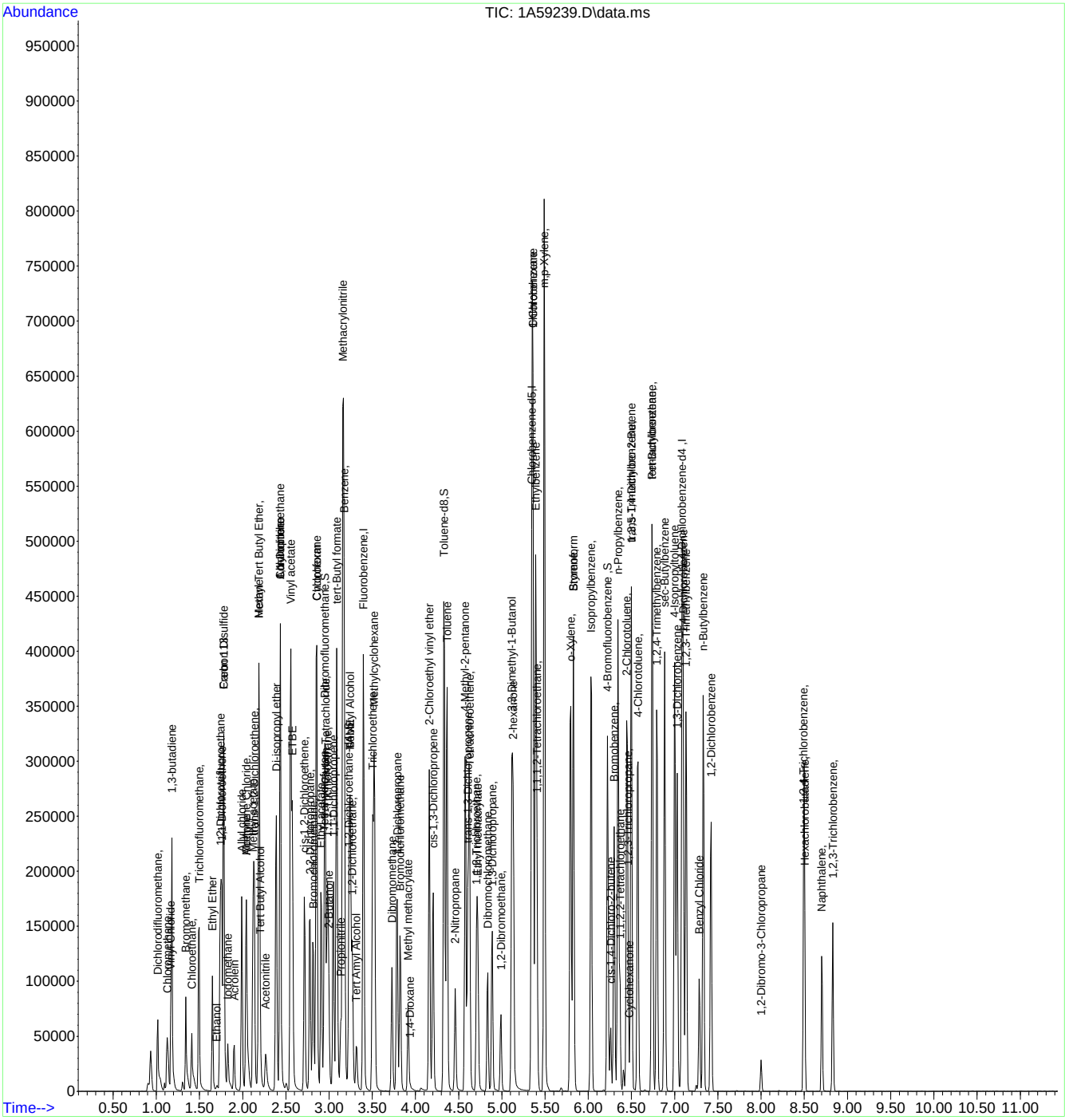
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) 1,2-Dibromo-3-Chloropr...	8.000	75	4228	36.35	ug/L	84
109) Hexachlorobutadiene	8.508	225	19813	41.17	ug/L	97
110) 1,2,4-Trichlorobenzene	8.492	180	36902	43.46	ug/L	94
111) Naphthalene	8.700	128	62506	42.25	ug/L	99
112) 1,2,3-Trichlorobenzene	8.831	180	28501	44.37	ug/L	98

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

Quantitation Report (QT Reviewed)

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Manual Integration Approval Summary

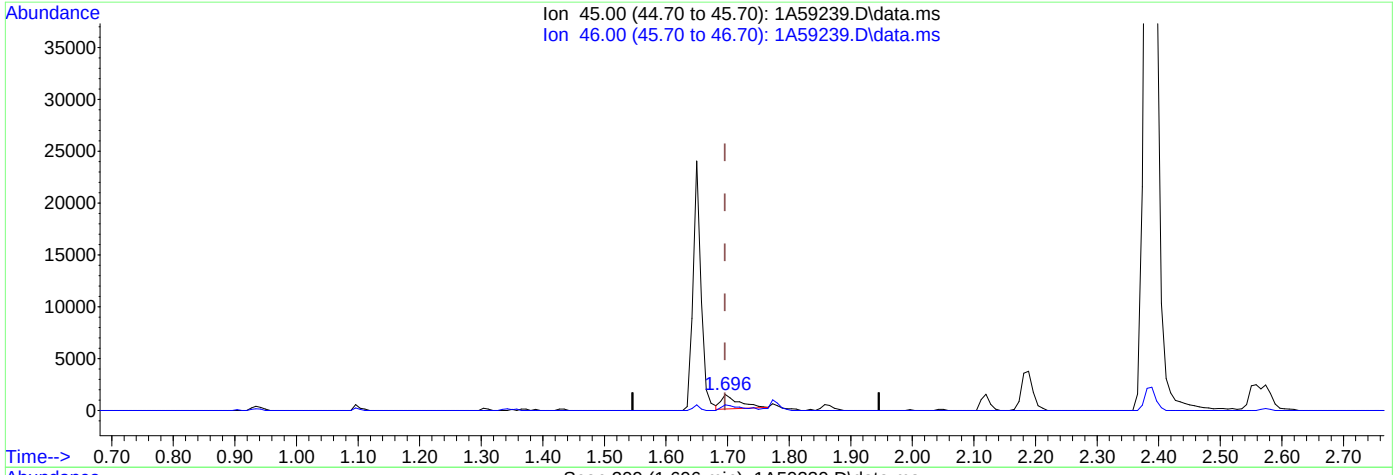
Sample Number: V1A3047-ICC3047 **Method:** SW846 8260D
Lab FileID: 1A59239.D **Analyst approved:** 09/18/24 14:56 Jenifer Willis
Injection Time: 09/18/24 10:51 **Supervisor approved:** 09/18/24 15:09 Karen Watson

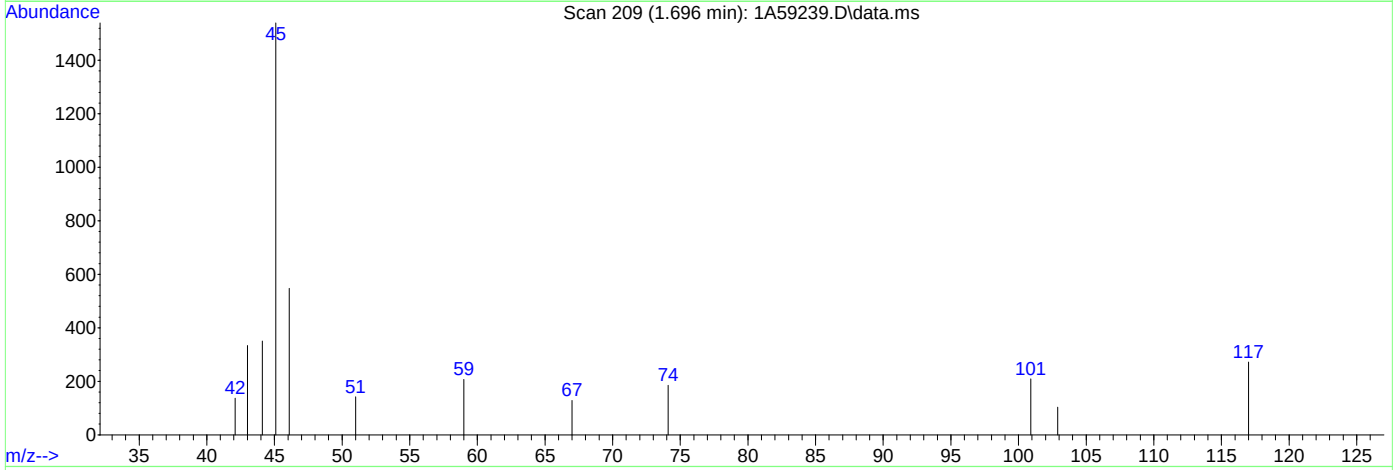
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		1.70	Poorly defined baseline
Carbon Tetrachloride	56-23-5		2.96	Overlapping peak
1-Chlorohexane	544-10-5		5.36	Overlapping peak
Ethylbenzene	100-41-4		5.39	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59239.D
Acq On : 18 Sep 2024 10:51 am
Operator : jeniferw
Sample : IC3047-5 Inst : MSVOA17-1A_2A
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Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
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TIC: 1A59239.D\data.ms

(10) Ethanol

1.696min (+0.000) 420.03ug/L

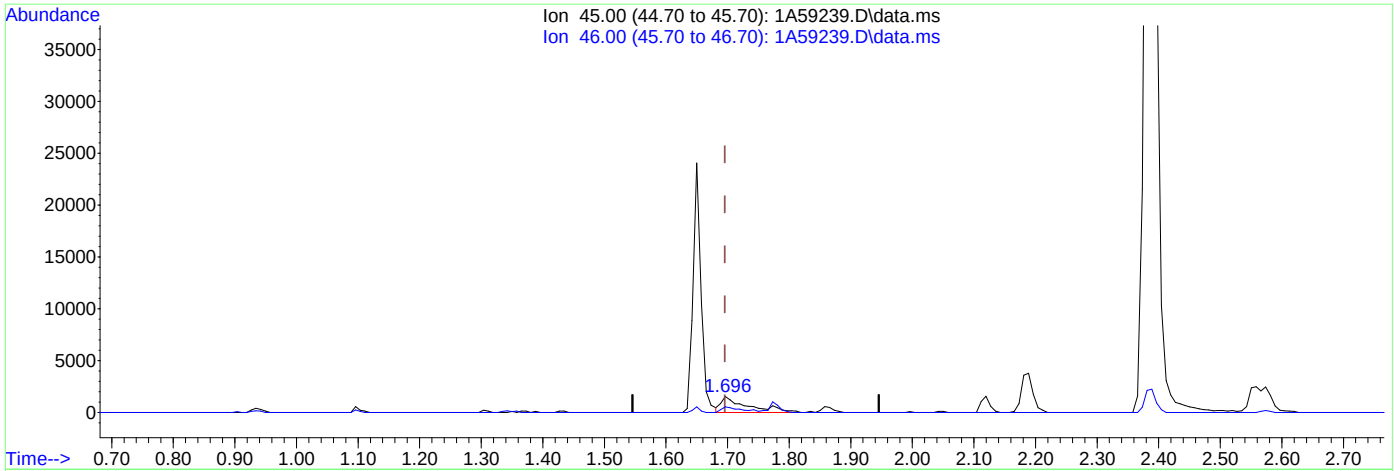
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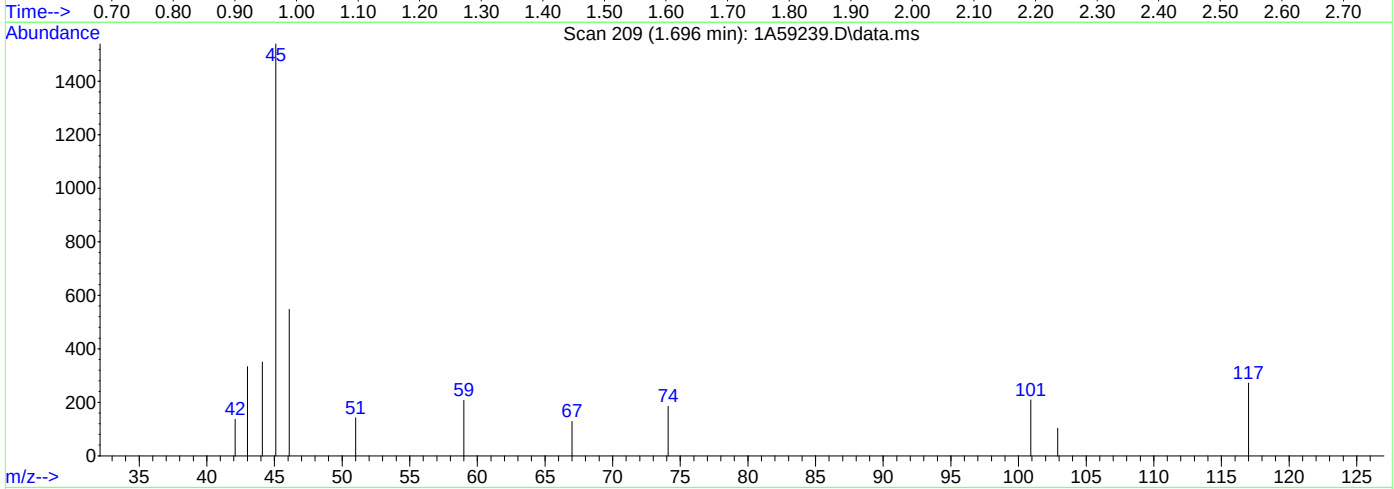
Ion	Exp%	Act%
45.00	100	100
46.00	34.40	44.04
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

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TIC: 1A59239.D\data.ms

(10) Ethanol

1.696min (+0.000) 714.67ug/L m

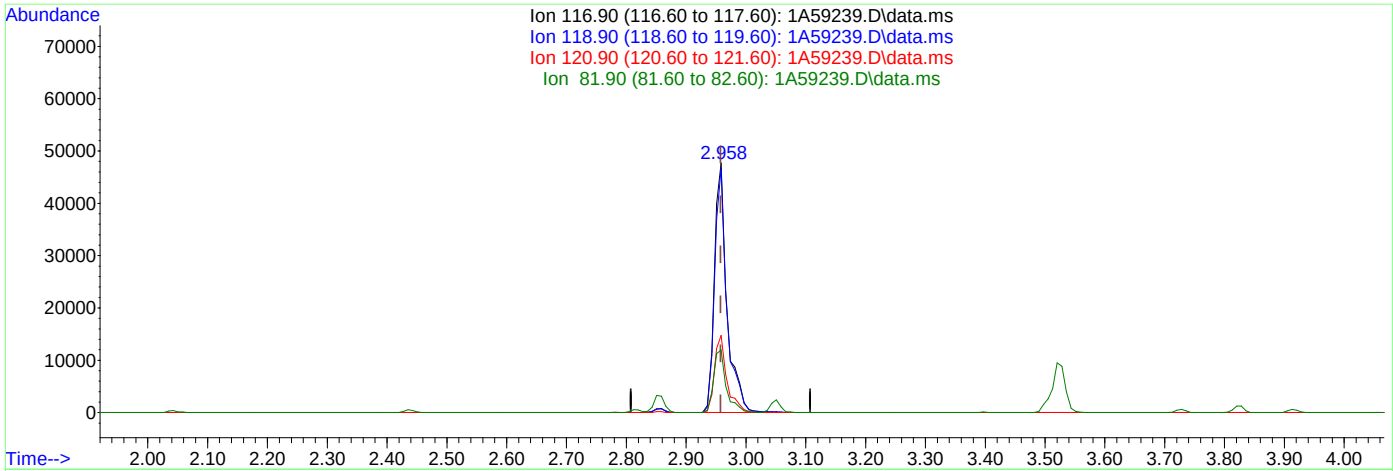
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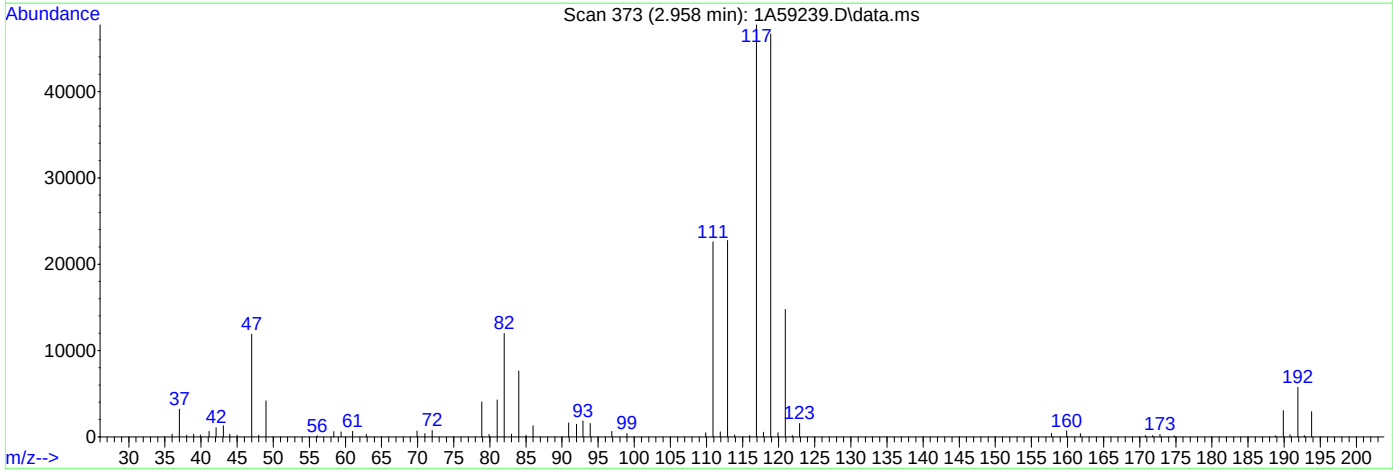
Ion	Exp%	Act%
45.00	100	100
46.00	34.40	35.52
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

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TIC: 1A59239.D\data.ms

(40) Carbon Tetrachloride ( )

2.958min (+0.000) 44.21ug/L

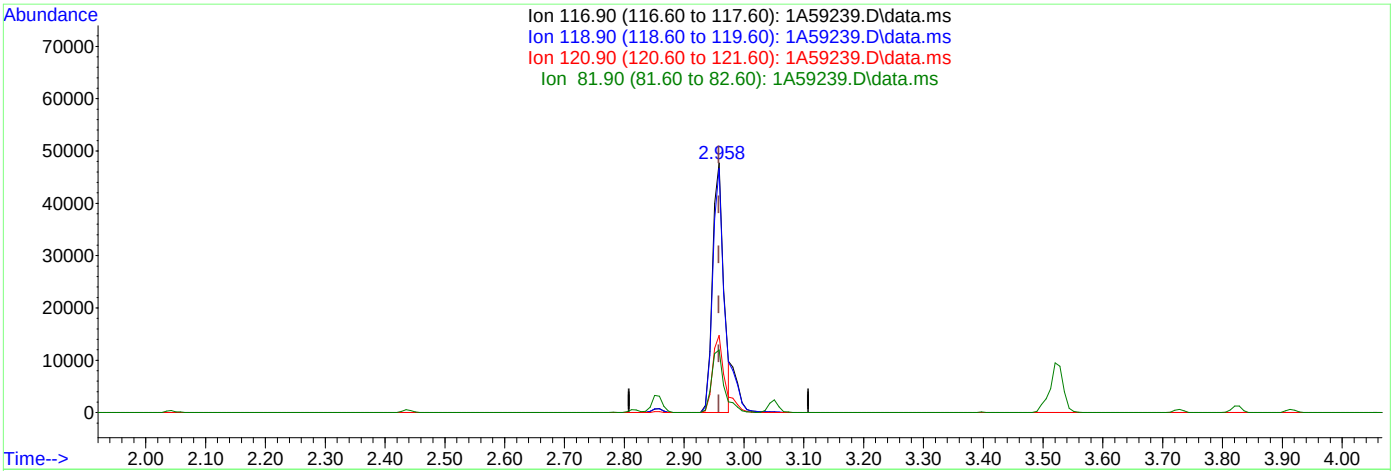
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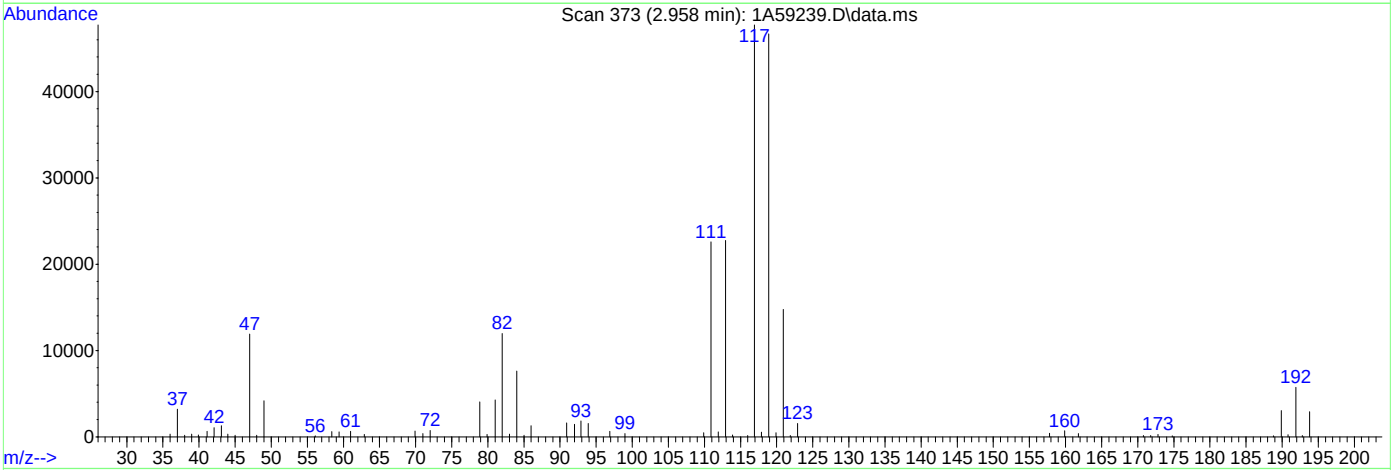
Ion	Exp%	Act%
116.90	100	100
118.90	96.70	97.79
120.90	32.00	30.90
81.90	24.70	25.06

Quantitation Report (Qedit)

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TIC: 1A59239.D\data.ms

(40) Carbon Tetrachloride ( )

2.958min (+0.000) 39.00ug/L m

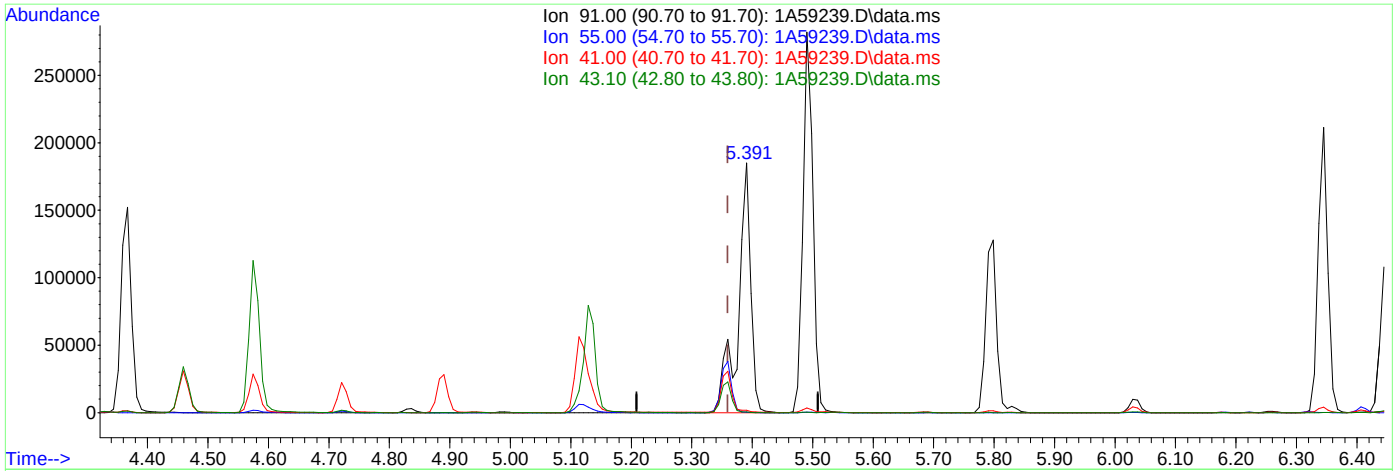
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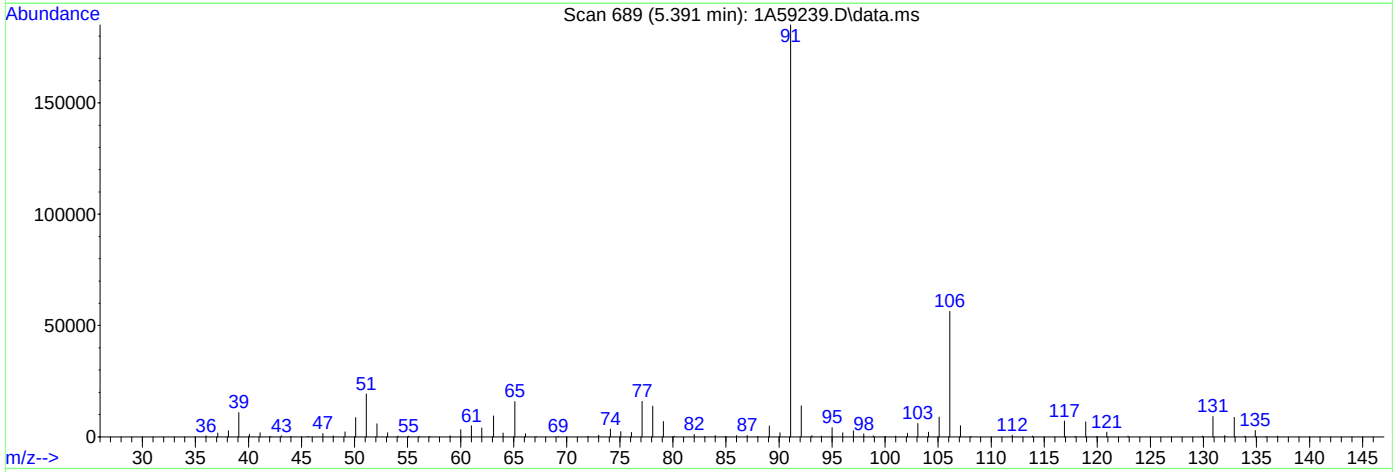
Ion	Exp%	Act%
116.90	100	100
118.90	96.70	97.79
120.90	32.00	30.90
81.90	24.70	25.06

Quantitation Report (Qedit)

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QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59239.D\data.ms

(76) 1-Chlorohexane

5.391min (+0.032) 158.81ug/L

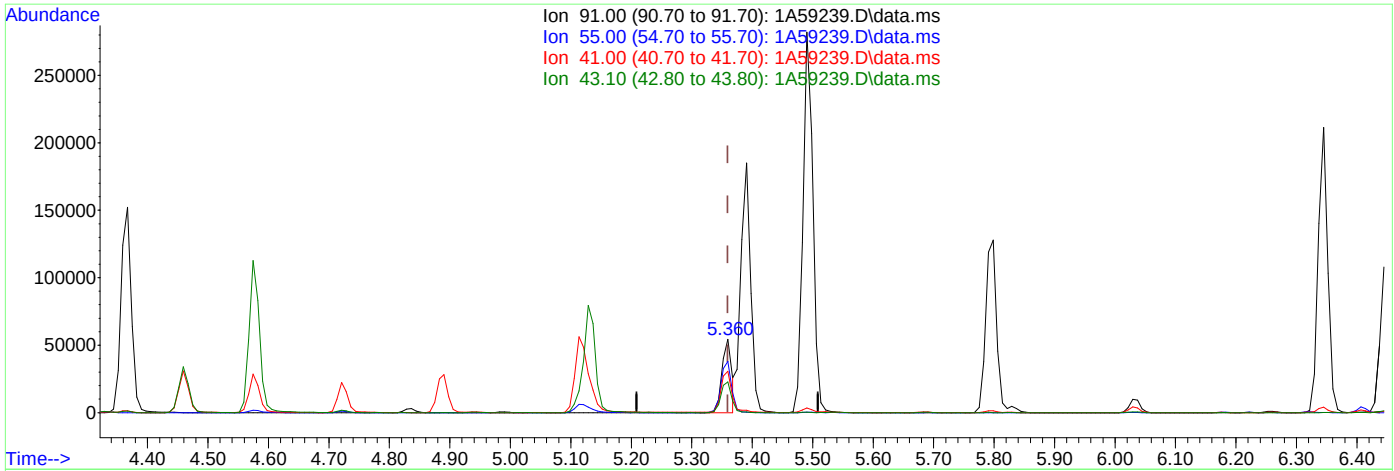
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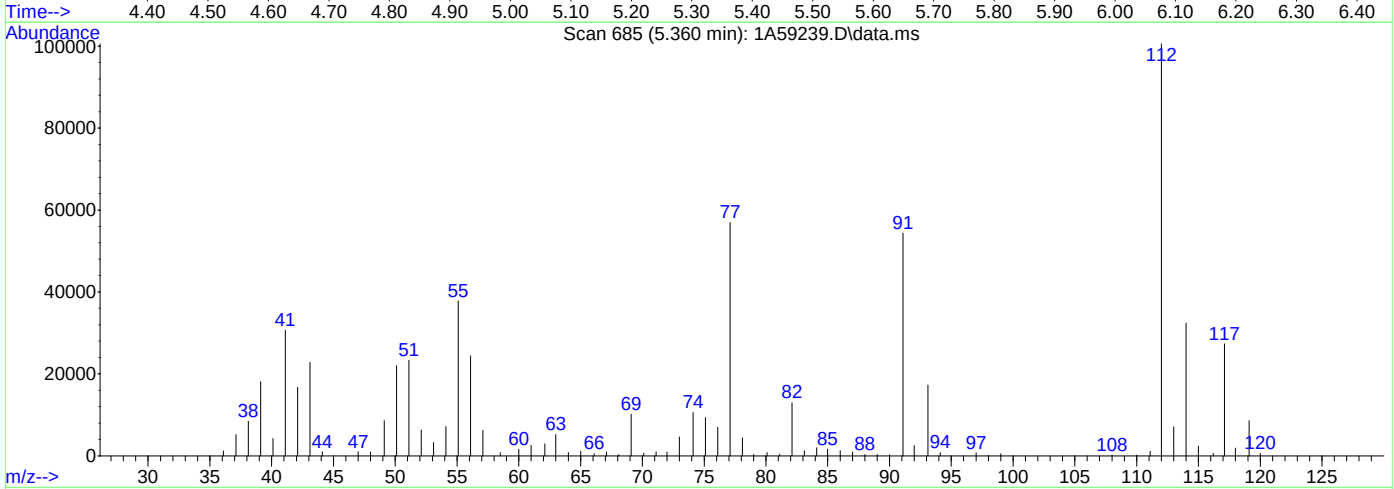
Ion	Exp%	Act%
91.00	100	100
55.00	77.50	0.18#
41.00	62.80	0.87#
43.10	51.70	0.22#

Quantitation Report (Qedit)

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TIC: 1A59239.D\data.ms

(76) 1-Chlorohexane

5.360min (+0.001) 35.37ug/L m

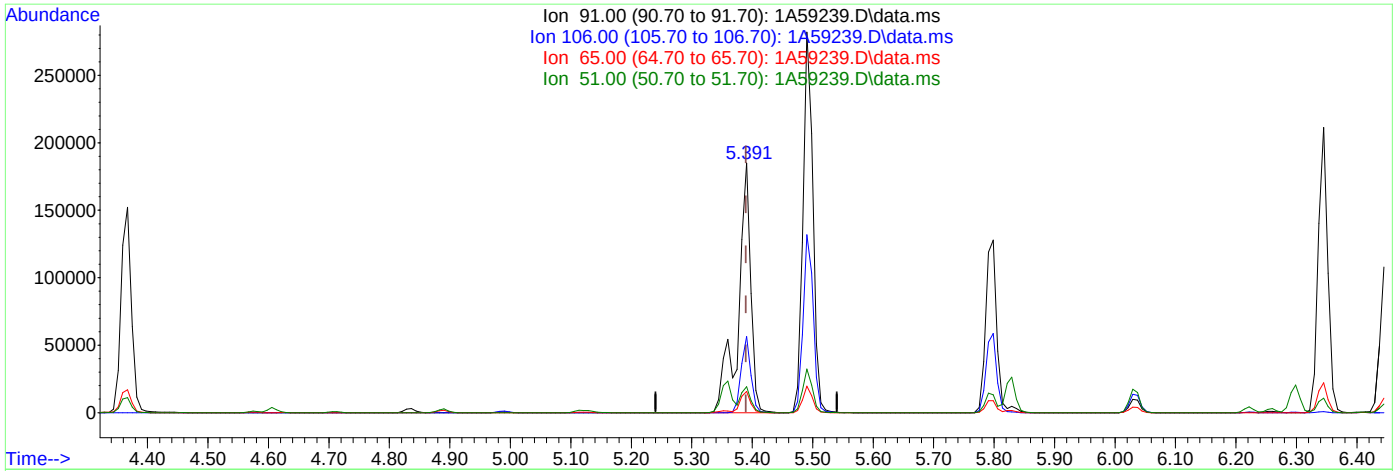
response 60219

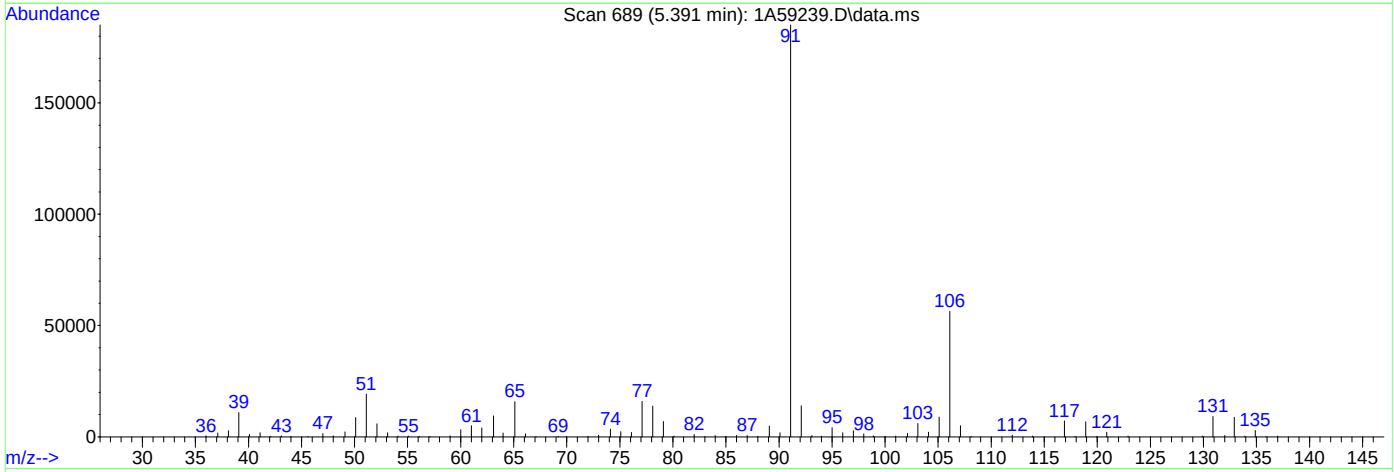
Ion	Exp%	Act%
91.00	100	100
55.00	77.50	69.57
41.00	62.80	56.42
43.10	51.70	42.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59239.D
Acq On : 18 Sep 2024 10:51 am
Operator : jeniferw
Sample : IC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 18 11:46:26 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59239.D\data.ms

(77) Ethylbenzene

5.391min (+0.001) 54.67ug/L

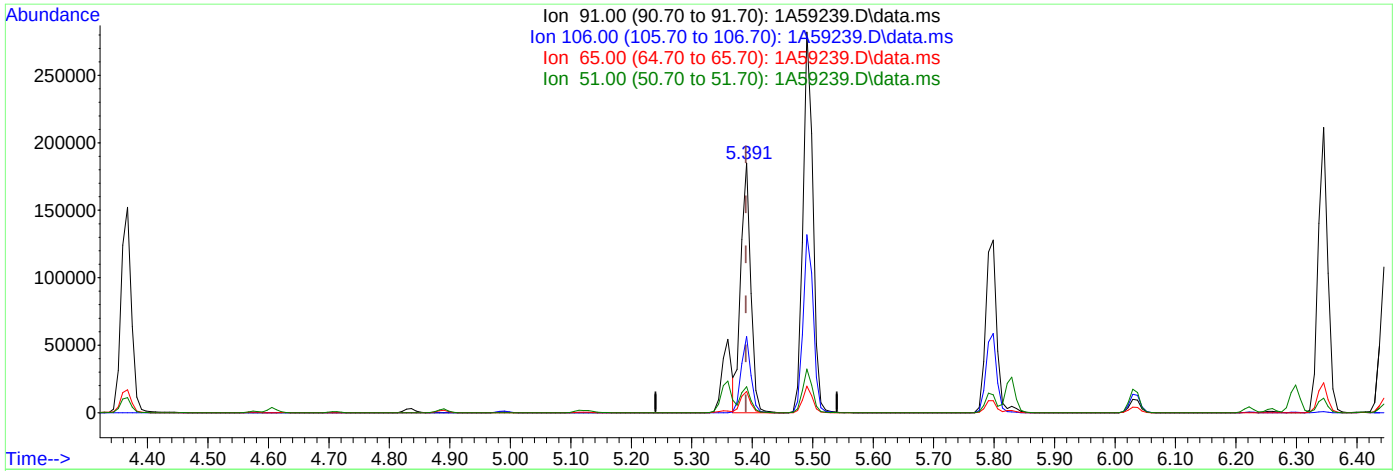
response 270413

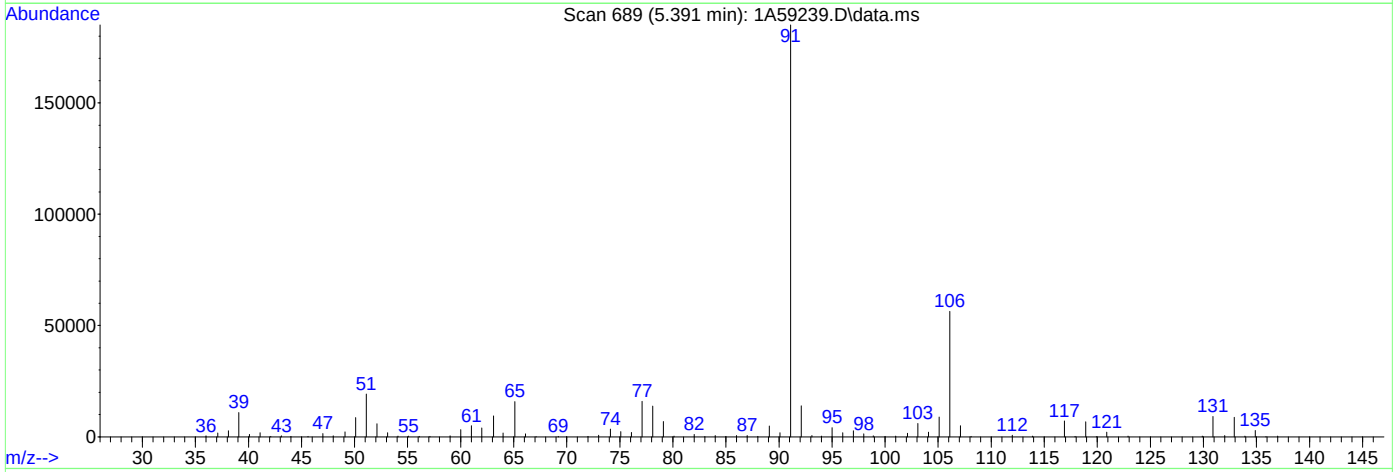
Ion	Exp%	Act%
91.00	100	100
106.00	29.70	30.44
65.00	9.20	8.52
51.00	10.90	10.34

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59239.D
Acq On : 18 Sep 2024 10:51 am
Operator : jeniferw
Sample : IC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 18 11:46:26 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59239.D\data.ms

(77) Ethylbenzene

5.391min (+0.001) 42.49ug/L m

response 210161

Ion	Exp%	Act%
91.00	100	100
106.00	29.70	30.44
65.00	9.20	8.52
51.00	10.90	10.34

1A59241.D

Manual Integrations APPROVED (compounds with "m" flag)

Karen Watson
09/18/24 15:09

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59241.D
Acq On : 18 Sep 2024 11:23 am
Operator : jeniferw
Sample : IC3047-6 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 18 12:18:50 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.397	96	222800	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.344	117	152093	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.084	152	79632	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	2.951	113	62675	48.91	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.82%			
49) 1,2-Dichloroethane-d4	3.228	65	71500	48.69	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 97.38%			
63) Toluene-d8	4.328	98	214500	51.03	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 102.06%			
86) 4-Bromofluorobenzene	6.222	174	67021	51.12	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.24%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.019	85	86313	56.67	ug/L	100
3) Chloromethane	1.127	50	76438	51.65	ug/L	97
4) 1,3-butadiene	1.180	39	74054	54.28	ug/L	94
5) Vinyl Chloride	1.165	62	86717	58.97	ug/L	97
6) Bromomethane	1.342	94	51251	85.44	ug/L	99
7) Chloroethane	1.411	64	55828	79.33	ug/L	98
8) Trichlorofluoromethane	1.488	101	135426	72.14	ug/L	100
9) Ethyl Ether	1.650	59	56008	61.88	ug/L	97
10) Ethanol	1.696	45	8971m	1310.95	ug/L	
11) 1,2-Dichlorotrifluoroe...	1.742	67	92981	66.53	ug/L	91
12) 1,1-Dichloroethene	1.758	61	112776	61.76	ug/L	89
13) Freon 113	1.781	101	75780	66.80	ug/L	98
14) Carbon Disulfide	1.781	76	222131	62.67	ug/L	98
15) Iodomethane	1.827	142	64110	69.30	ug/L	97
16) Acrolein	1.904	56	42571	279.96	ug/L	100
17) Allyl chloride	1.989	41	105354	56.42	ug/L	88
18) Methylene Chloride	2.042	49	96582	58.86	ug/L	87
19) Acetone	2.042	43	63086	282.39	ug/L	97
20) Methyl acetate	2.119	43	192106	293.45	ug/L	96
21) trans-1,2-Dichloroethene	2.135	61	110225	62.79	ug/L	87
22) Hexane	2.189	56	72545	61.89	ug/L	97
23) Methyl Tert Butyl Ether	2.189	73	181104	69.33	ug/L	78
24) Acetonitrile	2.266	41	49569	576.17	ug/L	98
25) Tert Butyl Alcohol	2.204	59	39403	641.88	ug/L	95
26) Di-isopropyl ether	2.389	45	240260	62.33	ug/L	96
27) Chloroprene	2.435	53	216106	60.38	ug/L	97
28) 1,1-Dichloroethane	2.435	63	143426	62.99	ug/L	99
29) Acrylonitrile	2.435	52	109815	297.81	ug/L	86
30) ETBE	2.573	59	227245	67.70	ug/L	98
31) Vinyl acetate	2.558	43	652806	303.34	ug/L	96
32) cis-1,2-Dichloroethene	2.712	96	83931	67.43	ug/L	96
33) 2,2-Dichloropropane	2.781	77	107871	65.50	ug/L	97
34) Bromochloromethane	2.820	128	43031	70.29	ug/L	92
35) Cyclohexane	2.858	56	141955	63.08	ug/L	95
36) Chloroform	2.858	83	149596	66.06	ug/L	98
37) Ethyl acetate	2.904	43	255253	311.00	ug/L	99
38) Tetrahydrofuran	2.943	42	13643	53.55	ug/L	92
40) Carbon Tetrachloride	2.958	117	114094m	68.95	ug/L	
41) 1,1,1-Trichloroethane	2.981	97	123693	66.60	ug/L	99
42) 2-Butanone	2.997	43	104450	281.34	ug/L	95
43) 1,1-Dichloropropene	3.051	75	97432	67.26	ug/L	98
44) tert-Butyl formate	3.089	59	199305	281.38	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59241.D
Acq On : 18 Sep 2024 11:23 am
Operator : jeniferw
Sample : IC3047-6 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 18 12:18:50 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45)	Propionitrile	3.135	54	66929	595.84	ug/L		97
46)	Methacrylonitrile	3.158	41	332395	586.78	ug/L		97
47)	Benzene	3.174	78	316021	67.42	ug/L		99
48)	TAME	3.243	73	183308	71.48	ug/L		93
50)	1,2-Dichloroethane	3.266	62	104400	63.59	ug/L		99
51)	Isobutyl Alcohol	3.243	43	93468	1317.18	ug/L		95
52)	Tert Amyl Alcohol	3.320	59	29094	707.12	ug/L		96
53)	Trichloroethene	3.505	95	86645	66.85	ug/L		99
54)	Methylcyclohexane	3.528	83	140897	70.94	ug/L		95
55)	Dibromomethane	3.728	93	47978	69.12	ug/L		98
56)	1,2-Dichloropropane	3.789	63	82637	65.93	ug/L		98
57)	Bromodichloromethane	3.820	83	108222	69.37	ug/L		96
58)	Methyl methacrylate	3.913	41	44735	60.04	ug/L		92
59)	1,4-Dioxane	3.936	88	7724	1391.83	ug/L		91
60)	2-Chloroethyl vinyl ether	4.159	63	156253	330.06	ug/L		92
61)	cis-1,3-Dichloropropene	4.205	75	124773	71.13	ug/L		98
64)	Toluene	4.367	91	330570	70.99	ug/L		100
65)	2-Nitropropane	4.459	41	70517	363.05	ug/L		99
66)	4-Methyl-2-pentanone	4.575	43	247023	323.91	ug/L		97
67)	trans-1,3-Dichloropropene	4.605	75	108065	75.43	ug/L		99
68)	Tetrachloroethene	4.628	166	102002	86.24	ug/L		98
69)	Ethyl methacrylate	4.721	69	71396	72.93	ug/L		92
70)	1,1,2-Trichloroethane	4.705	83	51822	74.33	ug/L		98
71)	Dibromochloromethane	4.836	129	75765	79.87	ug/L		99
72)	1,3-Dichloropropane	4.890	76	103324	70.26	ug/L		94
73)	1,2-Dibromoethane	4.990	107	61095	75.57	ug/L		100
74)	3,3-Dimethyl-1-Butanol	5.113	57	241995	3360.56	ug/L		96
75)	2-hexanone	5.129	43	205462	312.54	ug/L		96
76)	1-Chlorohexane	5.360	91	130362m	73.60	ug/L		
77)	Ethylbenzene	5.390	91	356843m	69.35	ug/L		
78)	Chlorobenzene	5.360	112	210522	71.41	ug/L		97
79)	1,1,1,2-Tetrachloroethane	5.406	131	73479	77.49	ug/L		98
80)	m,p-Xylene	5.490	91	590052	144.71	ug/L		99
81)	o-Xylene	5.798	91	300141	73.95	ug/L		98
82)	Styrene	5.829	104	223216	77.74	ug/L		98
83)	Bromoform	5.829	173	41379	81.22	ug/L		96
84)	Isopropylbenzene	6.037	105	349033	74.66	ug/L		99
87)	cis-1,4-Dichloro-2-butene	6.260	53	17737	60.20	ug/L		95
88)	n-Propylbenzene	6.345	91	426790	73.99	ug/L		98
89)	Bromobenzene	6.299	156	86332	72.59	ug/L		96
90)	1,1,2,2-Tetrachloroethane	6.368	83	61553	69.55	ug/L		99
91)	1,3,5-Trimethylbenzene	6.499	105	279268	75.01	ug/L		99
92)	2-Chlorotoluene	6.445	91	235028	70.21	ug/L		98
93)	trans-1,4-Dichloro-2-B...	6.499	53	24728	65.70	ug/L		94
94)	1,2,3-Trichloropropane	6.460	110	17734	75.03	ug/L		97
95)	Cyclohexanone	6.476	55	6393	313.31	ug/L		92
96)	4-Chlorotoluene	6.576	91	245981	70.98	ug/L		98
97)	tert-Butylbenzene	6.737	91	162513	71.12	ug/L		98
98)	1,2,4-Trimethylbenzene	6.791	105	266345	76.35	ug/L		97
99)	Pentachloroethane	6.737	167	37617	63.64	ug/L	#	84
100)	sec-Butylbenzene	6.883	105	348333	73.88	ug/L		99
101)	4-Isopropyltoluene	6.999	119	291067	76.53	ug/L		100
102)	1,3-Dichlorobenzene	7.030	146	152034	73.46	ug/L		98
103)	1,2,3-Trimethylbenzene	7.130	105	260970	72.74	ug/L		99
104)	1,4-Dichlorobenzene	7.099	146	149258	70.96	ug/L		97
105)	n-Butylbenzene	7.330	92	134333	76.51	ug/L		99
106)	Benzyl Chloride	7.284	126	19760	70.20	ug/L	#	86
107)	1,2-Dichlorobenzene	7.422	146	132745	73.04	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59241.D
Acq On : 18 Sep 2024 11:23 am
Operator : jeniferw
Sample : IC3047-6 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 18 12:18:50 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration

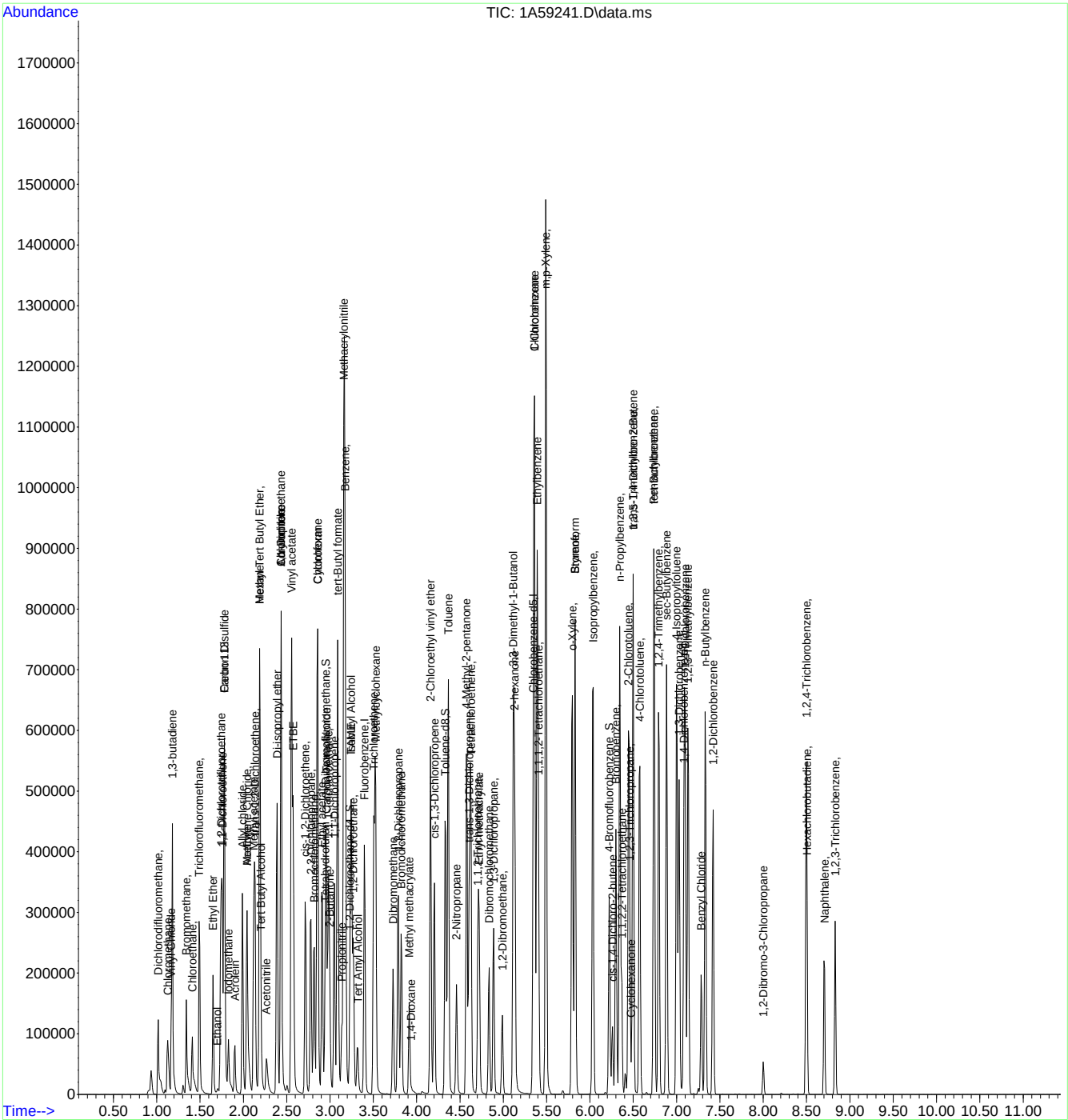
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) 1,2-Dibromo-3-Chloropr...	7.999	75	8076	66.99	ug/L	94
109) Hexachlorobutadiene	8.507	225	34961	70.08	ug/L	96
110) 1,2,4-Trichlorobenzene	8.500	180	67853	77.10	ug/L	99
111) Naphthalene	8.707	128	120781	69.89	ug/L	98
112) 1,2,3-Trichlorobenzene	8.831	180	52380	78.67	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59241.D
Acq On : 18 Sep 2024 11:23 am
Operator : jeniferw
Sample : IC3047-6 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 18 12:18:50 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: V1A3047-IC3047
Lab FileID: 1A59241.D
Injection Time: 09/18/24 11:23

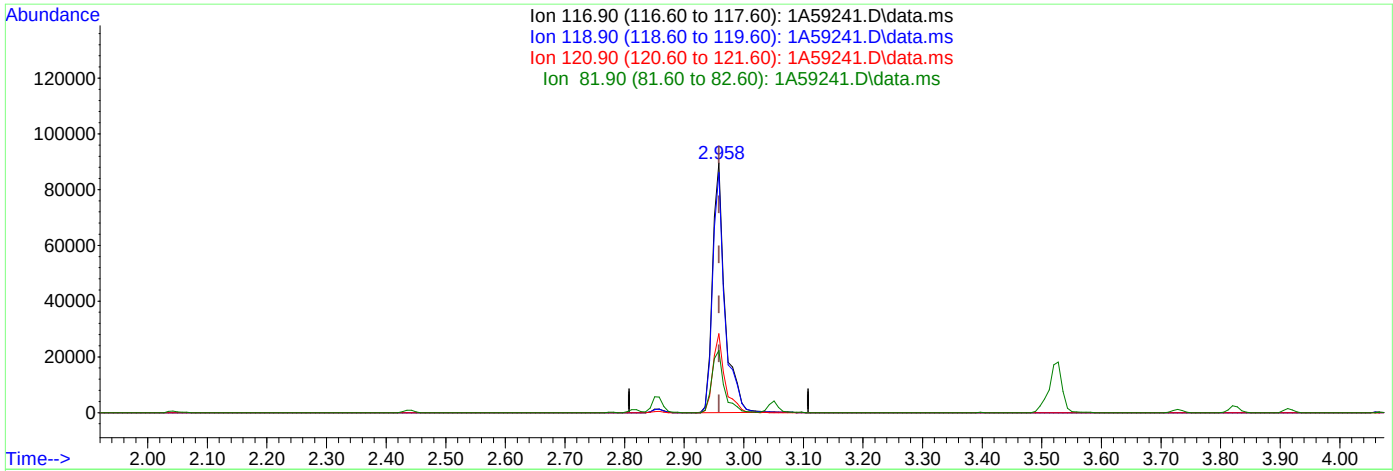
Method: SW846 8260D
Analyst approved: 09/18/24 14:30 Jenifer Willis
Supervisor approved: 09/18/24 15:09 Karen Watson

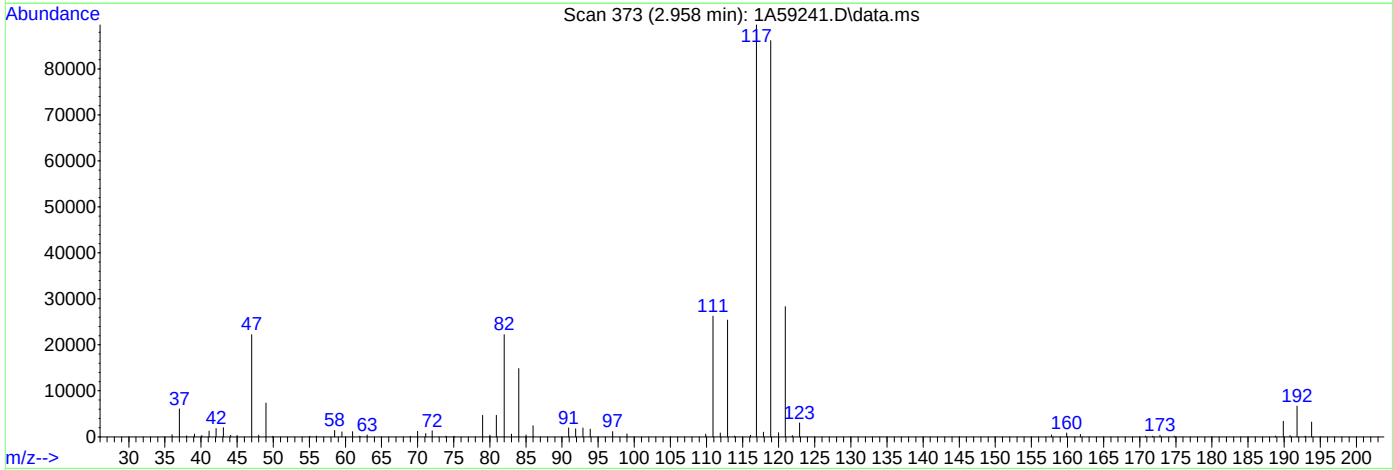
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		1.70	Poorly defined baseline
Carbon Tetrachloride	56-23-5		2.96	Overlapping peak
1-Chlorohexane	544-10-5		5.36	Overlapping peak
Ethylbenzene	100-41-4		5.39	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59241.D
Acq On : 18 Sep 2024 11:23 am
Operator : jeniferw
Sample : IC3047-6 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 18 11:46:28 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59241.D\data.ms

(40) Carbon Tetrachloride ( )

2.958min (+0.000) 78.23ug/L

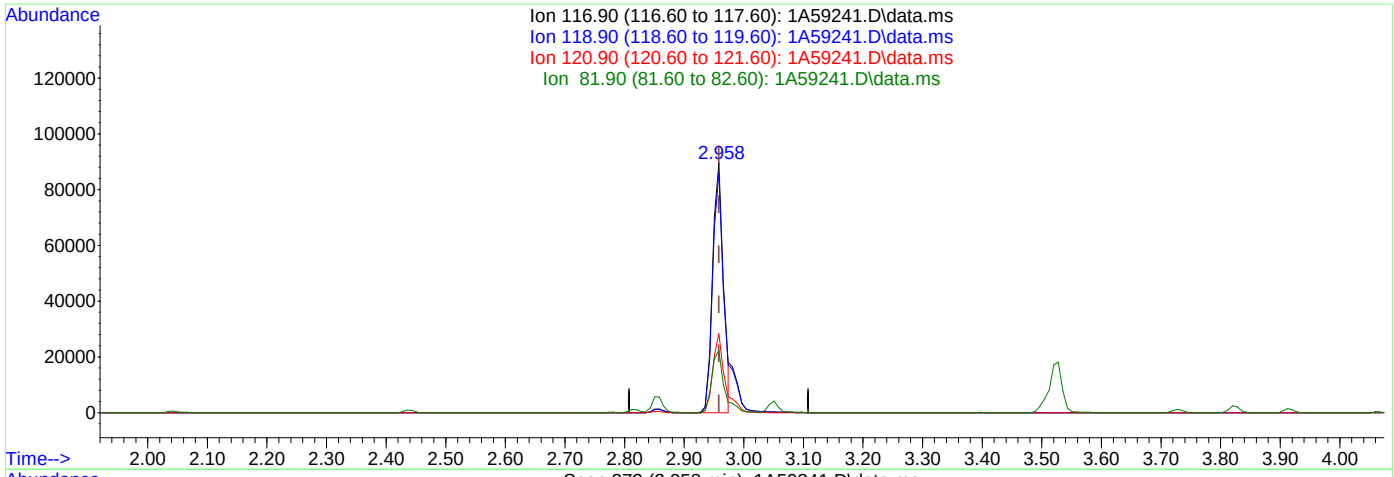
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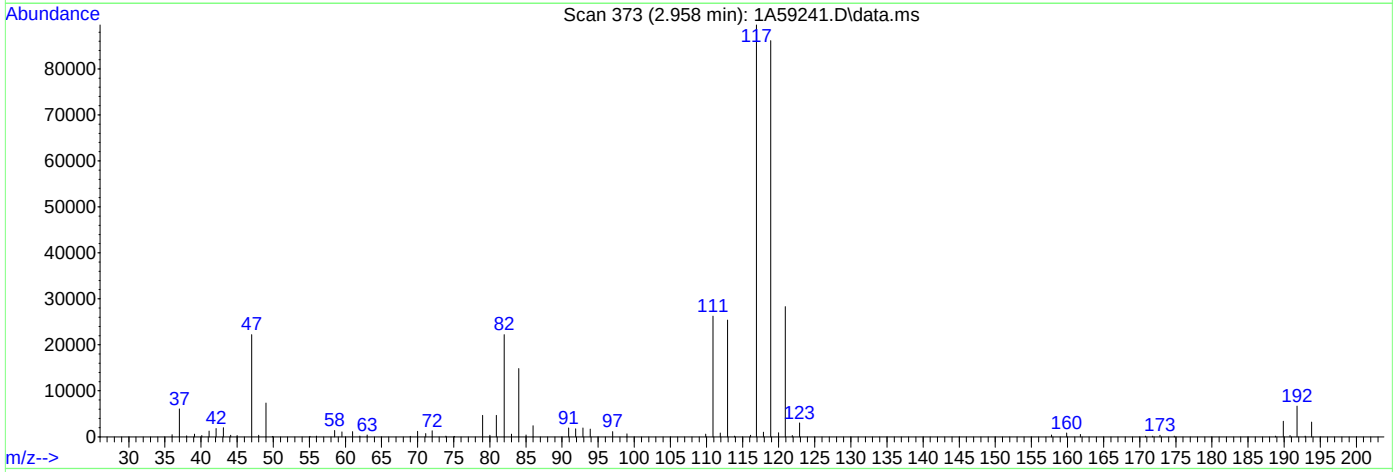
Ion	Exp%	Act%
116.90	100	100
118.90	96.70	96.15
120.90	32.00	31.59
81.90	24.70	24.82

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59241.D
Acq On : 18 Sep 2024 11:23 am
Operator : jeniferw
Sample : IC3047-6 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 18 11:46:28 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59241.D\data.ms

(40) Carbon Tetrachloride ( )

2.958min (+0.000) 68.95ug/L m

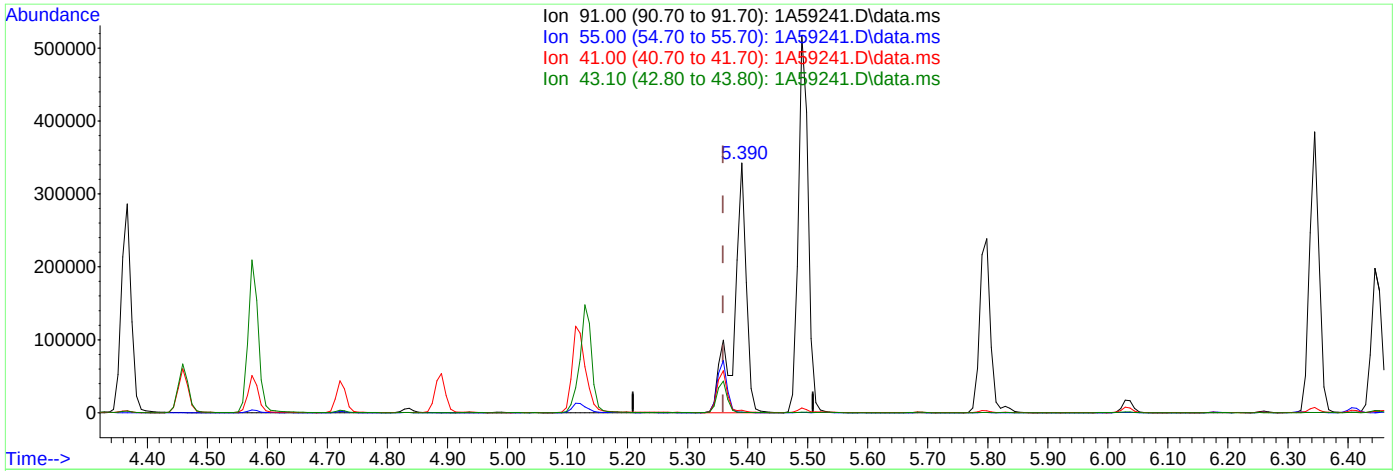
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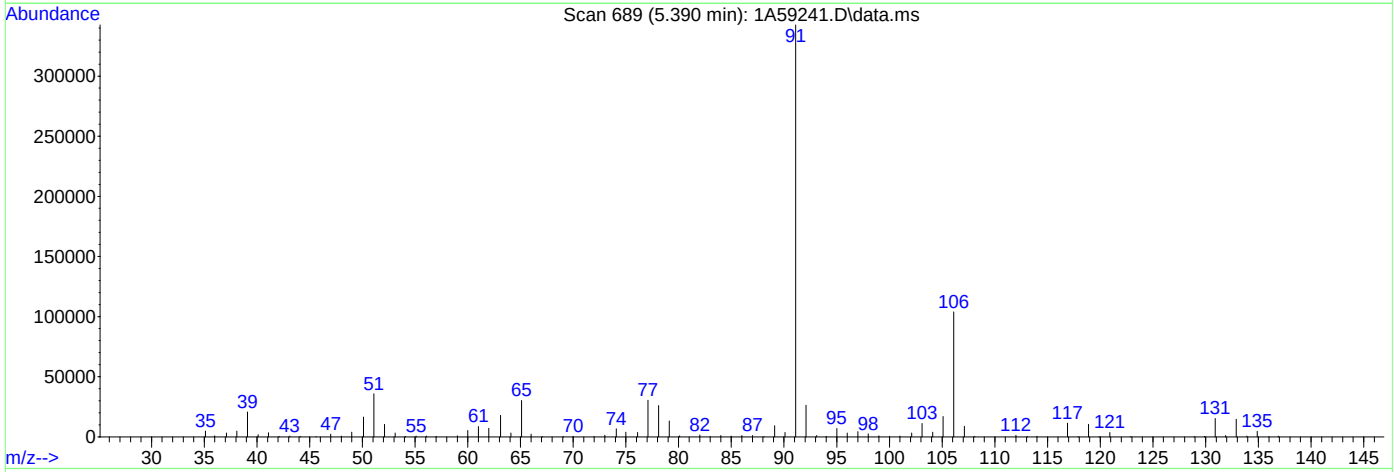
Ion	Exp%	Act%
116.90	100	100
118.90	96.70	96.15
120.90	32.00	31.59
81.90	24.70	24.82

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59241.D
Acq On : 18 Sep 2024 11:23 am
Operator : jeniferw
Sample : IC3047-6 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 18 11:46:28 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59241.D\data.ms

(76) 1-Chlorohexane

5.390min (+0.031) 275.09ug/L

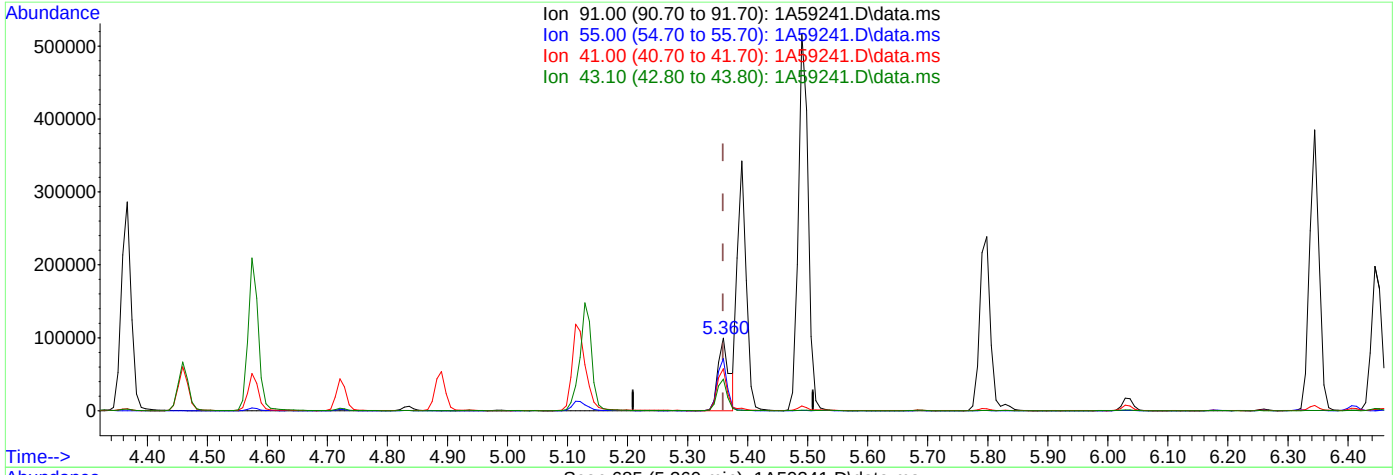
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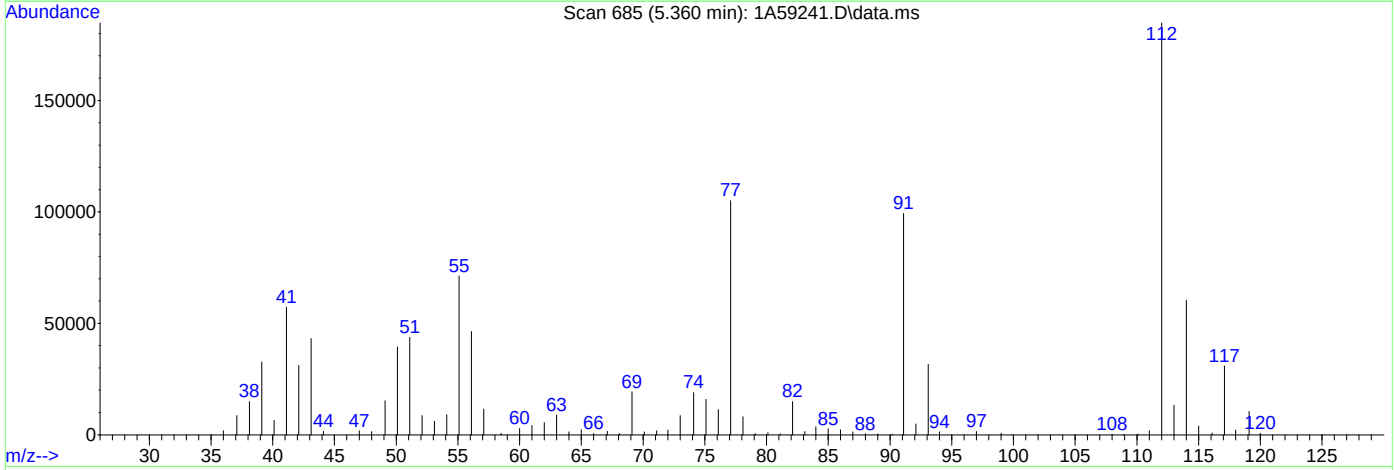
Ion	Exp%	Act%
91.00	100	100
55.00	77.50	0.18#
41.00	62.80	0.92#
43.10	51.70	0.18#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59241.D
Acq On : 18 Sep 2024 11:23 am
Operator : jeniferw
Sample : IC3047-6 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 18 11:46:28 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59241.D\data.ms

(76) 1-Chlorohexane

5.360min (+0.001) 73.60ug/L m

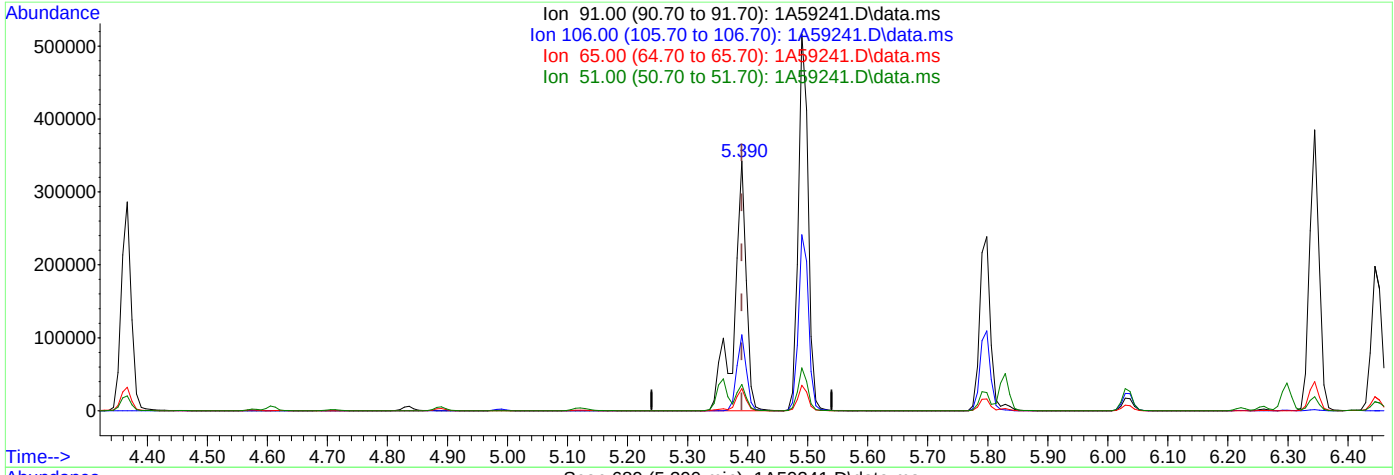
response 130362

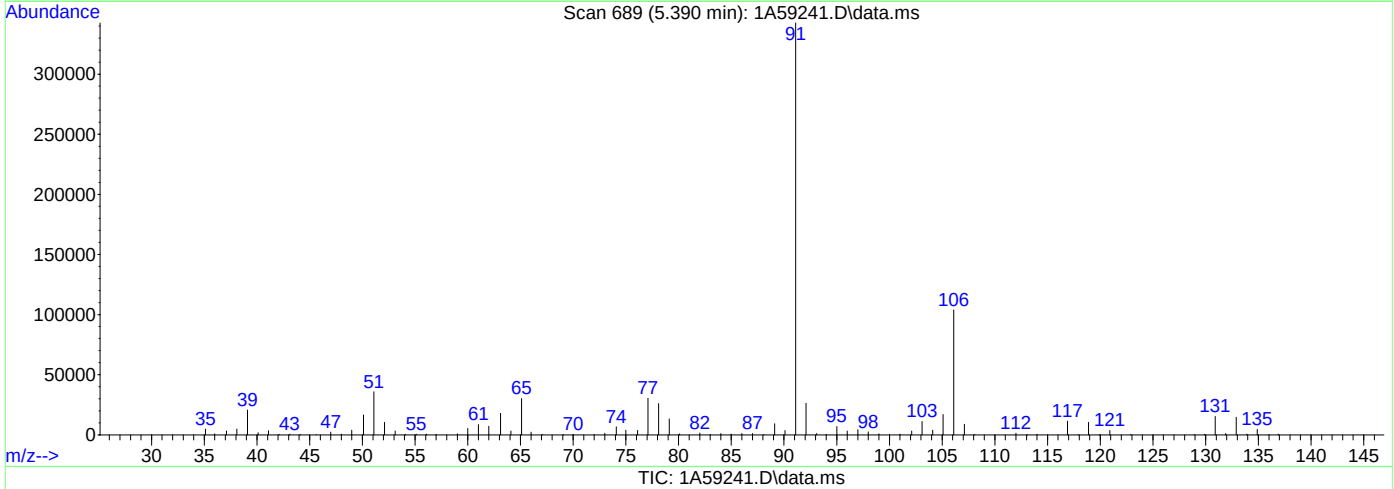
Ion	Exp%	Act%
91.00	100	100
55.00	77.50	71.75
41.00	62.80	57.78
43.10	51.70	43.53

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59241.D
Acq On : 18 Sep 2024 11:23 am
Operator : jeniferw
Sample : IC3047-6 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 18 11:46:28 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59241.D\data.ms

(77) Ethylbenzene

5.390min (+0.000) 94.70ug/L

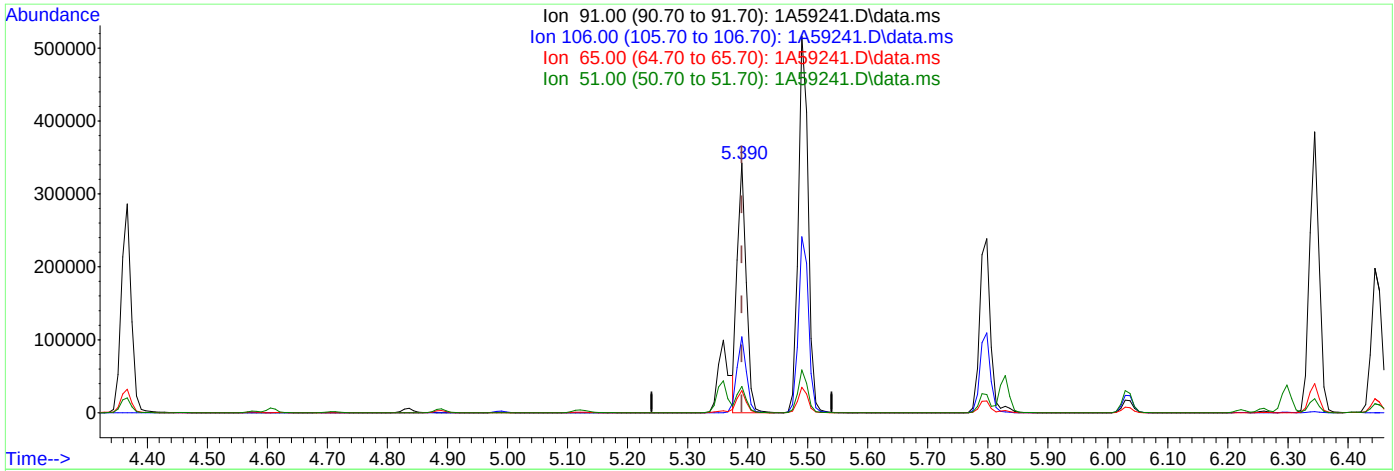
response 487252

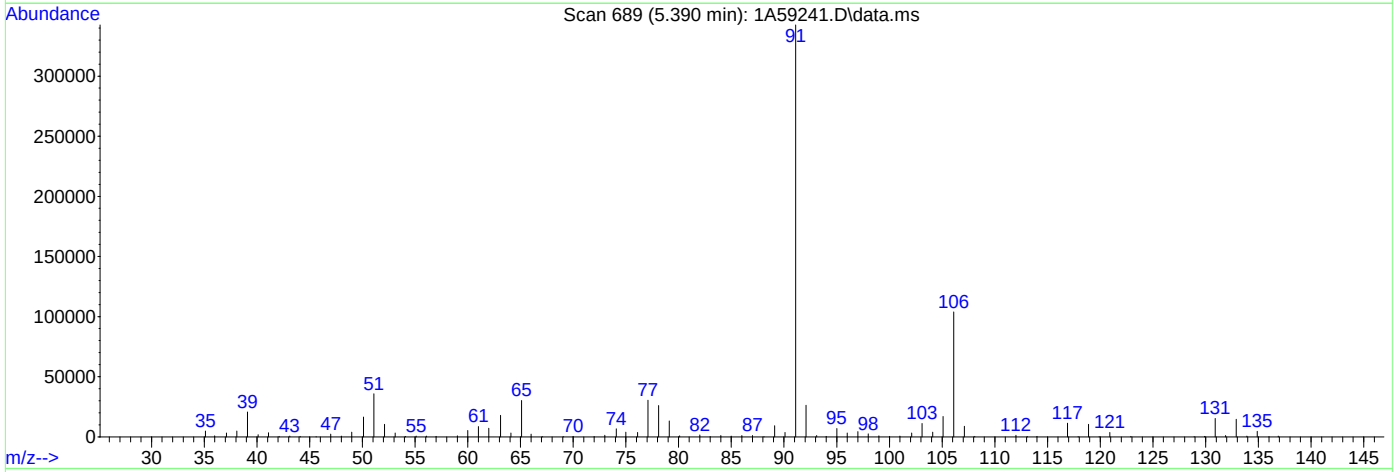
Ion	Exp%	Act%
91.00	100	100
106.00	29.70	30.33
65.00	9.20	8.83
51.00	10.90	10.45

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59241.D
Acq On : 18 Sep 2024 11:23 am
Operator : jeniferw
Sample : IC3047-6 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 18 11:46:28 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59241.D\data.ms

(77) Ethylbenzene

5.390min (+0.000) 69.35ug/L m

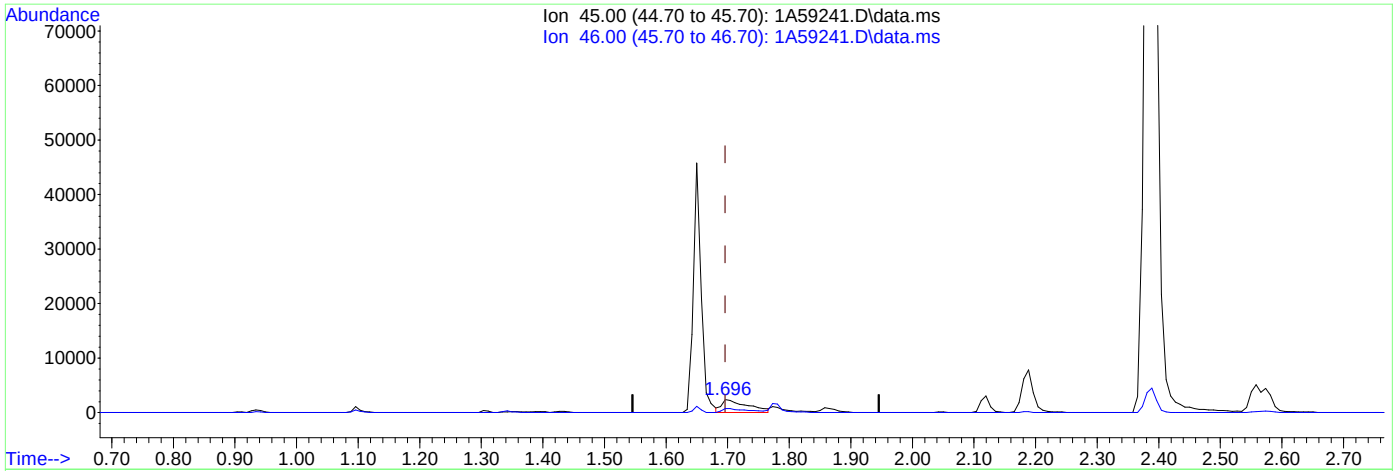
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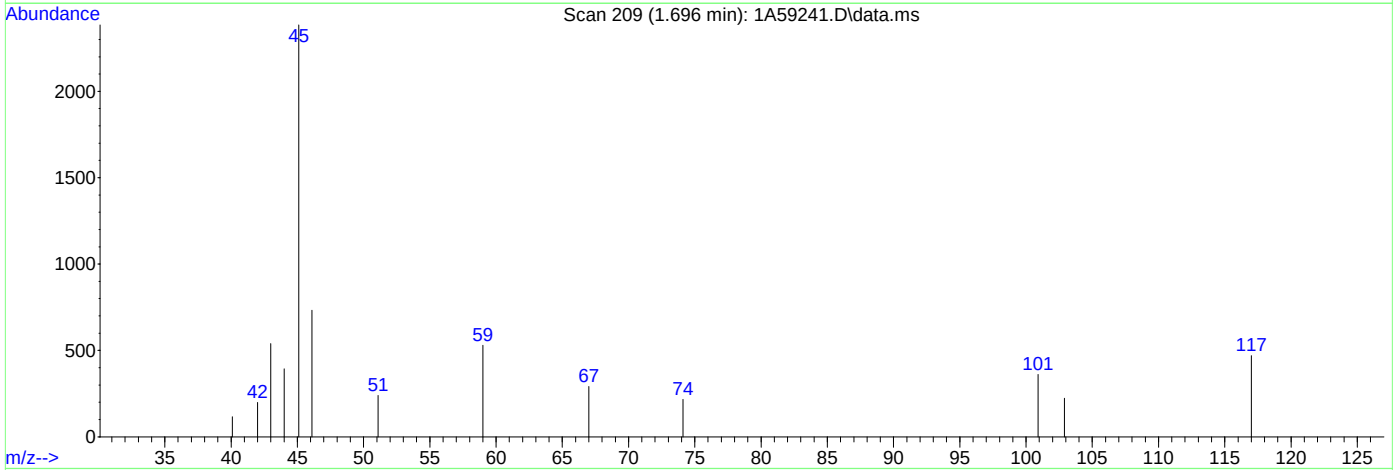
Ion	Exp%	Act%
91.00	100	100
106.00	29.70	30.33
65.00	9.20	8.83
51.00	10.90	10.45

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59241.D
Acq On : 18 Sep 2024 11:23 am
Operator : jeniferw
Sample : IC3047-6 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 18 12:14:00 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59241.D\data.ms

(10) Ethanol

1.696min (+0.000) 1030.67ug/L

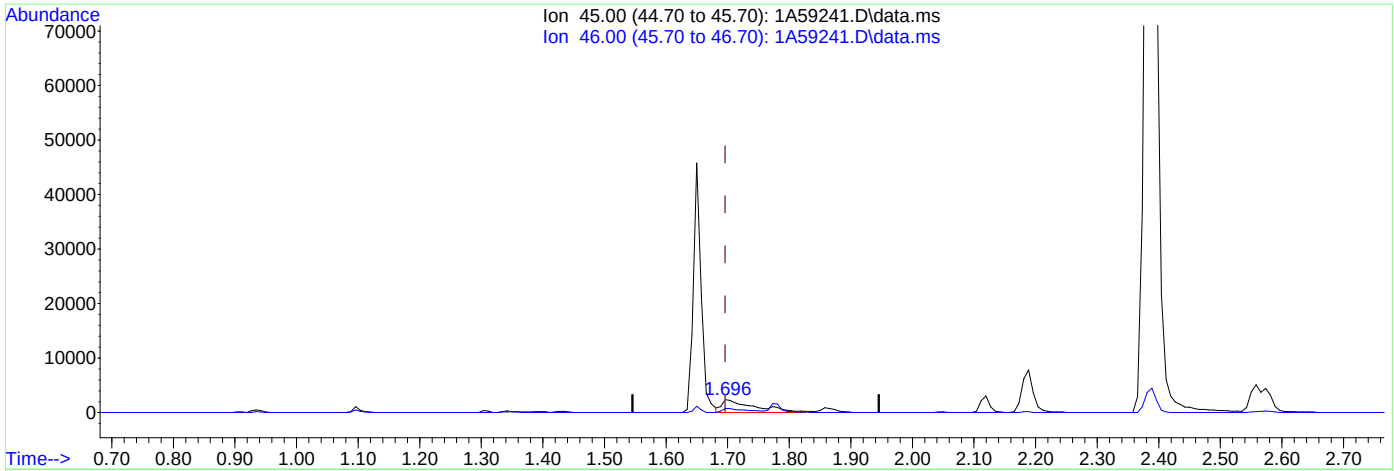
response 7053

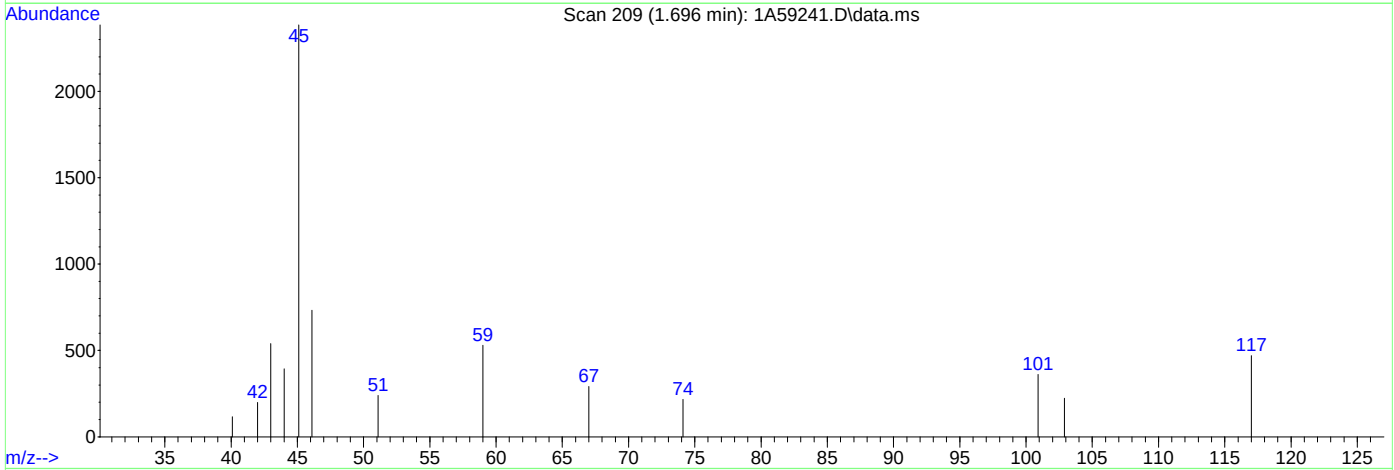
Ion	Exp%	Act%
45.00	100	100
46.00	34.40	42.99
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59241.D
Acq On : 18 Sep 2024 11:23 am
Operator : jeniferw
Sample : IC3047-6 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 18 12:14:00 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59241.D\data.ms

(10) Ethanol

1.696min (+0.000) 1310.95ug/L m

response 8971

Ion	Exp%	Act%
45.00	100	100
46.00	34.40	30.73
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/18/24 15:09

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59243.D
Acq On : 18 Sep 2024 11:55 am
Operator : jeniferw
Sample : IC3047-7 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 18 12:14:57 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.397	96	233137	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.344	117	157431	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.091	152	80589	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	2.951	113	65549	48.89	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.78%			
49) 1,2-Dichloroethane-d4	3.235	65	65975	42.93	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 85.86%			
63) Toluene-d8	4.328	98	221393	50.88	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 101.76%			
86) 4-Bromofluorobenzene	6.222	174	67071	50.55	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.10%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.019	85	123213	77.31	ug/L	100
3) Chloromethane	1.127	50	111937	72.28	ug/L	98
4) 1,3-butadiene	1.180	39	106545	74.63	ug/L	95
5) Vinyl Chloride	1.165	62	124975	81.22	ug/L	99
6) Bromomethane	1.342	94	74955	119.42	ug/L	99
7) Chloroethane	1.411	64	80970	124.78	ug/L	98
8) Trichlorofluoromethane	1.488	101	200942	102.29	ug/L	98
9) Ethyl Ether	1.650	59	82036	86.61	ug/L	97
10) Ethanol	1.704	45	12474m	1742.03	ug/L	
11) 1,2-Dichlorotrifluoroe...	1.742	67	134283	91.82	ug/L	91
12) 1,1-Dichloroethene	1.758	61	162923	85.27	ug/L	88
13) Freon 113	1.781	101	109249	92.03	ug/L	98
14) Carbon Disulfide	1.781	76	312460	84.24	ug/L	97
15) Iodomethane	1.827	142	98140	92.98	ug/L	99
16) Acrolein	1.904	56	61806	388.43	ug/L	98
17) Allyl chloride	1.989	41	158918	81.33	ug/L	91
18) Methylene Chloride	2.042	49	137831	80.27	ug/L	86
19) Acetone	2.042	43	93730	400.96	ug/L	97
20) Methyl acetate	2.119	43	289183	422.15	ug/L	96
21) trans-1,2-Dichloroethene	2.135	61	160421	87.33	ug/L	87
22) Hexane	2.189	56	99835	81.39	ug/L	97
23) Methyl Tert Butyl Ether	2.189	73	267857	97.99	ug/L	75
24) Acetonitrile	2.266	41	73507	816.53	ug/L	96
25) Tert Butyl Alcohol	2.204	59	59052	889.10	ug/L	99
26) Di-isopropyl ether	2.389	45	357158	88.55	ug/L	96
27) Chloroprene	2.435	53	320970	85.70	ug/L	97
28) 1,1-Dichloroethane	2.435	63	209826	88.06	ug/L	99
29) Acrylonitrile	2.435	52	165666	429.36	ug/L	90
30) ETBE	2.573	59	338848	96.47	ug/L	98
31) Vinyl acetate	2.558	43	965413	428.71	ug/L	97
32) cis-1,2-Dichloroethene	2.712	96	122366	93.94	ug/L	96
33) 2,2-Dichloropropane	2.781	77	158034	91.71	ug/L	97
34) Bromochloromethane	2.820	128	62734	97.93	ug/L	93
35) Cyclohexane	2.858	56	205152	87.12	ug/L	94
36) Chloroform	2.858	83	219538	92.65	ug/L	99
37) Ethyl acetate	2.912	43	385195	448.51	ug/L	97
38) Tetrahydrofuran	2.943	42	20273	76.04	ug/L	93
40) Carbon Tetrachloride	2.958	117	164760m	95.15	ug/L	
41) 1,1,1-Trichloroethane	2.981	97	182887	94.10	ug/L	99
42) 2-Butanone	2.997	43	158517	408.04	ug/L	94
43) 1,1-Dichloropropene	3.051	75	140773	92.88	ug/L	98
44) tert-Butyl formate	3.089	59	309598	391.08	ug/L	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59243.D
Acq On : 18 Sep 2024 11:55 am
Operator : jeniferw
Sample : IC3047-7 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 18 12:14:57 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45)	Propionitrile	3.135	54	99938	850.26	ug/L		98
46)	Methacrylonitrile	3.166	41	512183	864.07	ug/L		91
47)	Benzene	3.174	78	460513	93.89	ug/L		96
48)	TAME	3.243	73	273341	101.87	ug/L		93
50)	1,2-Dichloroethane	3.266	62	151829	88.38	ug/L		99
51)	Isobutyl Alcohol	3.243	43	139764	1882.27	ug/L		96
52)	Tert Amyl Alcohol	3.320	59	44086	1023.99	ug/L		96
53)	Trichloroethene	3.505	95	126028	92.92	ug/L		99
54)	Methylcyclohexane	3.520	83	200188	96.32	ug/L		97
55)	Dibromomethane	3.728	93	69605	95.83	ug/L		99
56)	1,2-Dichloropropane	3.789	63	121367	92.54	ug/L		99
57)	Bromodichloromethane	3.820	83	158923	97.35	ug/L		97
58)	Methyl methacrylate	3.913	41	70692	90.67	ug/L		93
59)	1,4-Dioxane	3.936	88	11302	1946.27	ug/L		95
60)	2-Chloroethyl vinyl ether	4.159	63	241848	488.22	ug/L		92
61)	cis-1,3-Dichloropropene	4.205	75	184026	100.25	ug/L		98
64)	Toluene	4.367	91	479804	99.55	ug/L		99
65)	2-Nitropropane	4.459	41	108339	501.86	ug/L		99
66)	4-Methyl-2-pentanone	4.574	43	380449	481.94	ug/L		97
67)	trans-1,3-Dichloropropene	4.605	75	160097	107.95	ug/L		99
68)	Tetrachloroethene	4.628	166	155197	126.76	ug/L		99
69)	Ethyl methacrylate	4.721	69	109766	108.32	ug/L		93
70)	1,1,2-Trichloroethane	4.713	83	75819	105.06	ug/L		90
71)	Dibromochloromethane	4.836	129	110936	112.98	ug/L		100
72)	1,3-Dichloropropane	4.890	76	151256	99.36	ug/L		94
73)	1,2-Dibromoethane	4.990	107	88695	105.99	ug/L		100
74)	3,3-Dimethyl-1-Butanol	5.121	57	373905	4527.53	ug/L		96
75)	2-hexanone	5.129	43	312052	438.95	ug/L		90
76)	1-Chlorohexane	5.360	91	185656m	101.26	ug/L		
77)	Ethylbenzene	5.390	91	519050m	97.46	ug/L		
78)	Chlorobenzene	5.360	112	305106	99.99	ug/L		97
79)	1,1,1,2-Tetrachloroethane	5.406	131	109612	111.67	ug/L		97
80)	m,p-Xylene	5.490	91	859044	203.54	ug/L		100
81)	o-Xylene	5.798	91	435345	103.62	ug/L		99
82)	Styrene	5.829	104	322609	108.54	ug/L		97
83)	Bromoform	5.837	173	62208	117.96	ug/L		98
84)	Isopropylbenzene	6.037	105	499500	103.22	ug/L		99
87)	cis-1,4-Dichloro-2-butene	6.260	53	27826	93.32	ug/L	#	85
88)	n-Propylbenzene	6.345	91	609415	104.40	ug/L		99
89)	Bromobenzene	6.298	156	124302	103.28	ug/L		96
90)	1,1,2,2-Tetrachloroethane	6.368	83	88713	99.04	ug/L		99
91)	1,3,5-Trimethylbenzene	6.499	105	401284	106.50	ug/L		100
92)	2-Chlorotoluene	6.445	91	336910	99.45	ug/L		98
93)	trans-1,4-Dichloro-2-B...	6.499	53	35589	93.43	ug/L		95
94)	1,2,3-Trichloropropane	6.460	110	25440	106.35	ug/L		97
95)	Cyclohexanone	6.476	55	9800	474.58	ug/L		94
96)	4-Chlorotoluene	6.576	91	354790	101.16	ug/L		98
97)	tert-Butylbenzene	6.737	91	232909	100.72	ug/L		97
98)	1,2,4-Trimethylbenzene	6.791	105	383171	108.53	ug/L		97
99)	Pentachloroethane	6.737	167	53600	89.60	ug/L	#	84
100)	sec-Butylbenzene	6.883	105	496258	104.00	ug/L		99
101)	4-Isopropyltoluene	6.999	119	415291	107.90	ug/L		99
102)	1,3-Dichlorobenzene	7.030	146	216238	103.24	ug/L		99
103)	1,2,3-Trimethylbenzene	7.130	105	377478	103.97	ug/L		99
104)	1,4-Dichlorobenzene	7.099	146	212559	99.85	ug/L		98
105)	n-Butylbenzene	7.330	92	191937	108.02	ug/L		100
106)	Benzyl Chloride	7.284	126	29515	95.26	ug/L	#	80
107)	1,2-Dichlorobenzene	7.422	146	189820	103.21	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59243.D
Acq On : 18 Sep 2024 11:55 am
Operator : jeniferw
Sample : IC3047-7 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 18 12:14:57 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration

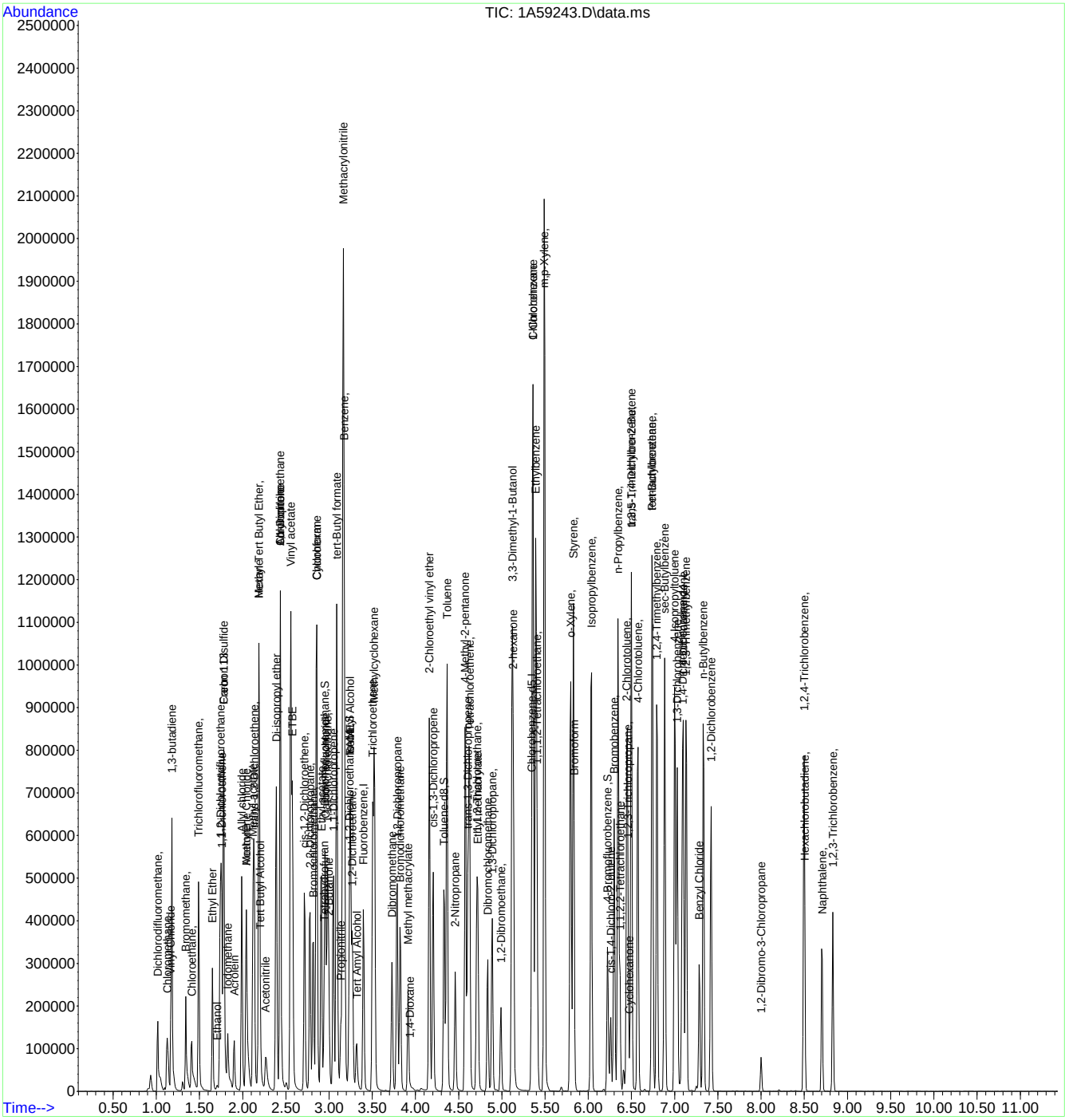
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) 1,2-Dibromo-3-Chloropr...	7.999	75	11885	97.41	ug/L	84
109) Hexachlorobutadiene	8.507	225	48238	95.54	ug/L	97
110) 1,2,4-Trichlorobenzene	8.500	180	97565	109.54	ug/L	99
111) Naphthalene	8.707	128	180058	93.82	ug/L	99
112) 1,2,3-Trichlorobenzene	8.831	180	75855	112.57	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59243.D
Acq On : 18 Sep 2024 11:55 am
Operator : jeniferw
Sample : IC3047-7 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 18 12:14:57 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration



Manual Integration Approval Summary

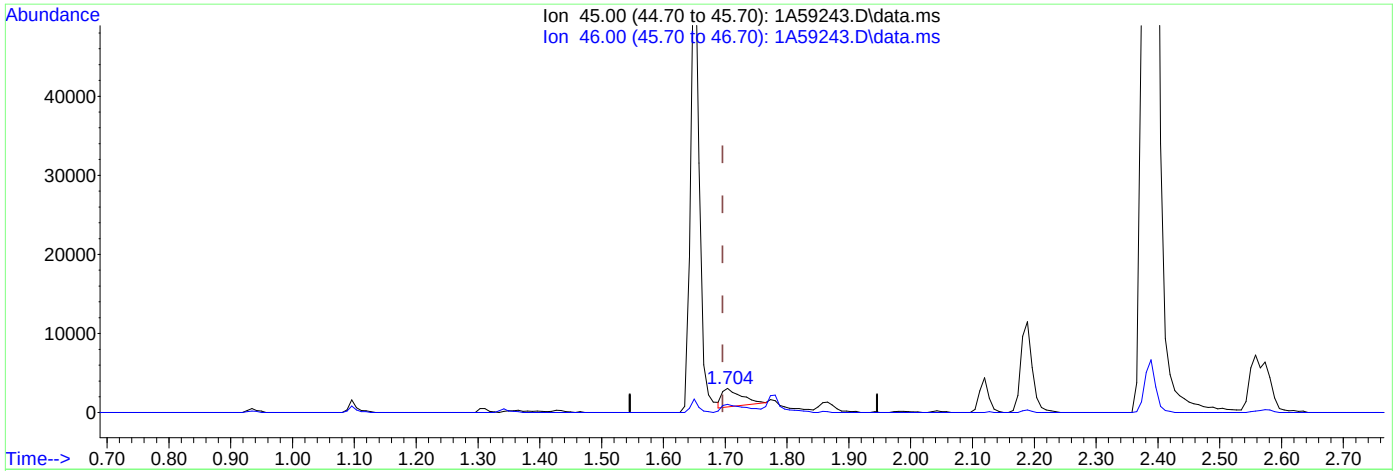
Sample Number: V1A3047-IC3047
Lab FileID: 1A59243.D
Injection Time: 09/18/24 11:55
Method: SW846 8260D
Analyst approved: 09/18/24 14:30 Jenifer Willis
Supervisor approved: 09/18/24 15:09 Karen Watson

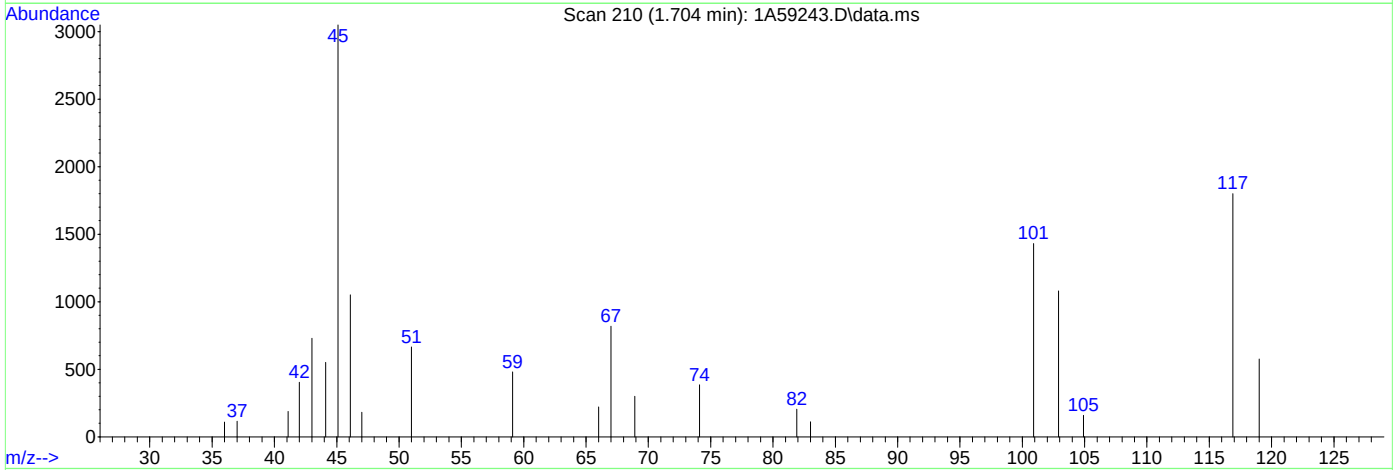
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		1.70	Poorly defined baseline
Carbon Tetrachloride	56-23-5		2.96	Overlapping peak
1-Chlorohexane	544-10-5		5.36	Overlapping peak
Ethylbenzene	100-41-4		5.39	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59243.D
Acq On : 18 Sep 2024 11:55 am
Operator : jeniferw
Sample : IC3047-7 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 18 12:14:09 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59243.D\data.ms

(10) Ethanol

1.704min (+0.008) 713.49ug/L

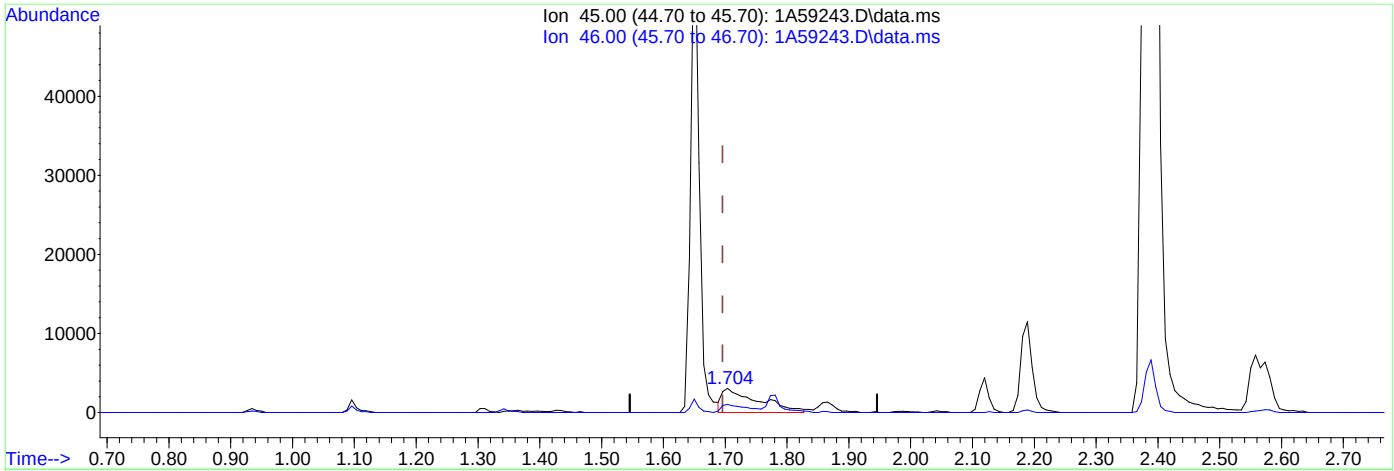
response 5109

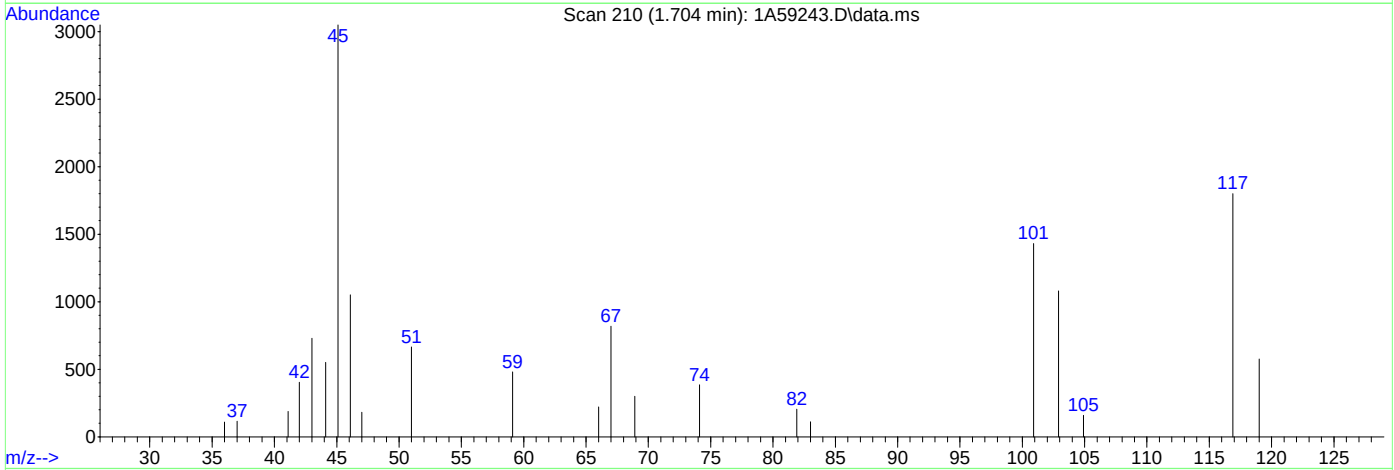
Ion	Exp%	Act%
45.00	100	100
46.00	34.40	46.94
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59243.D
Acq On : 18 Sep 2024 11:55 am
Operator : jeniferw
Sample : IC3047-7 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 18 12:14:09 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59243.D\data.ms

(10) Ethanol

1.704min (+0.008) 1742.03ug/L m

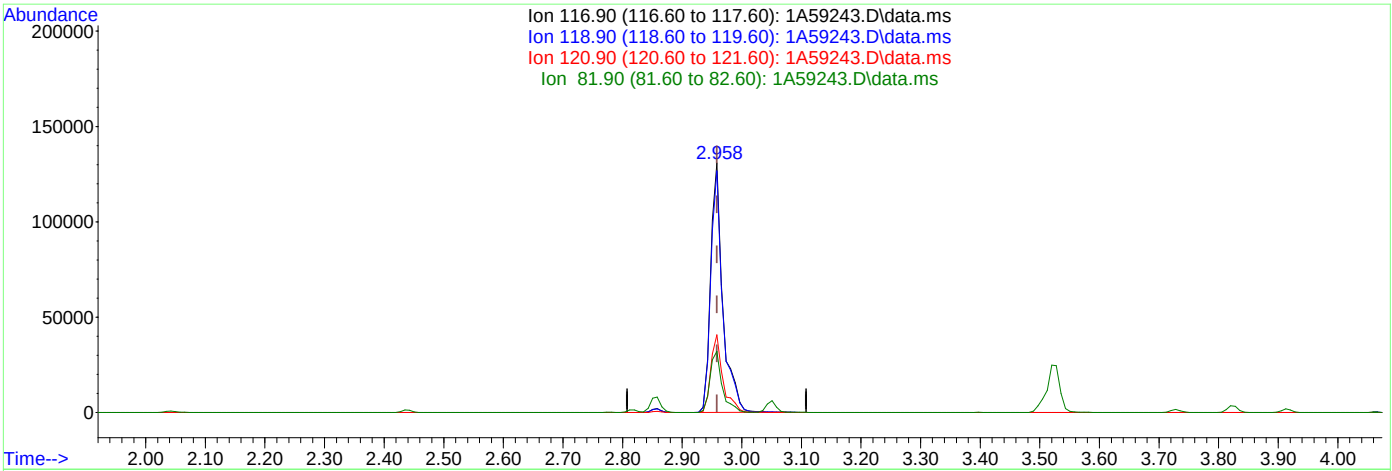
response 12474

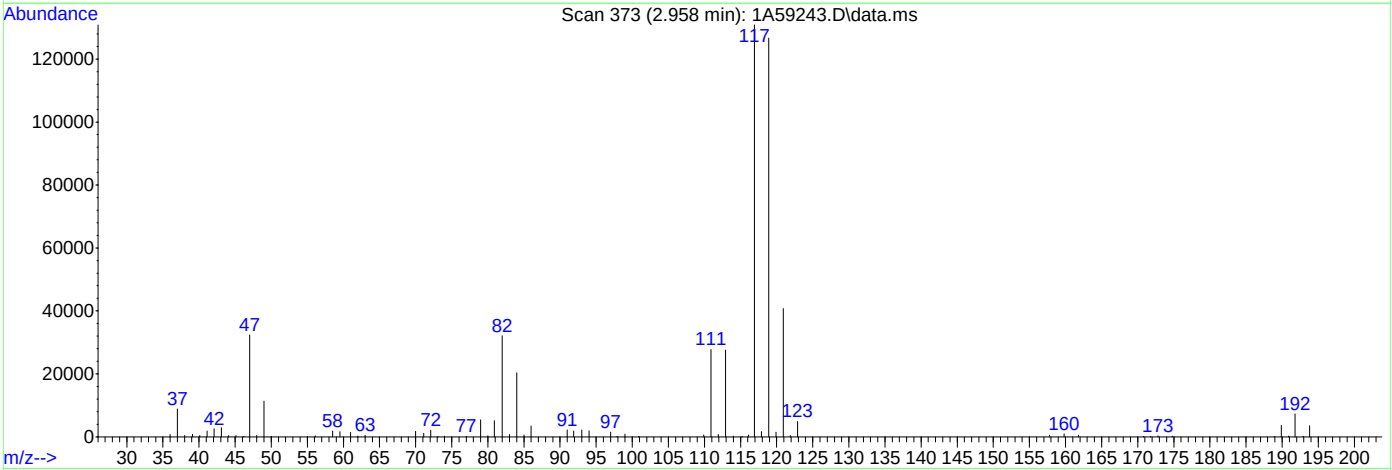
Ion	Exp%	Act%
45.00	100	100
46.00	34.40	34.46
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59243.D
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Misc : MS57502,V1A3047,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 18 12:14:09 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59243.D\data.ms

(40) Carbon Tetrachloride ( )

2.958min (+0.000) 107.77ug/L

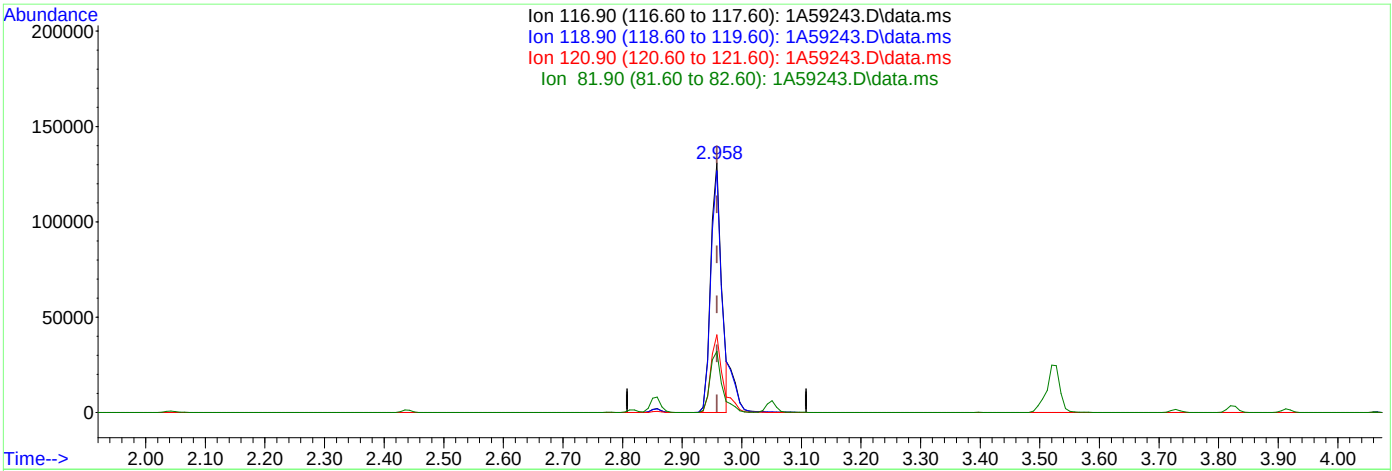
response 186619

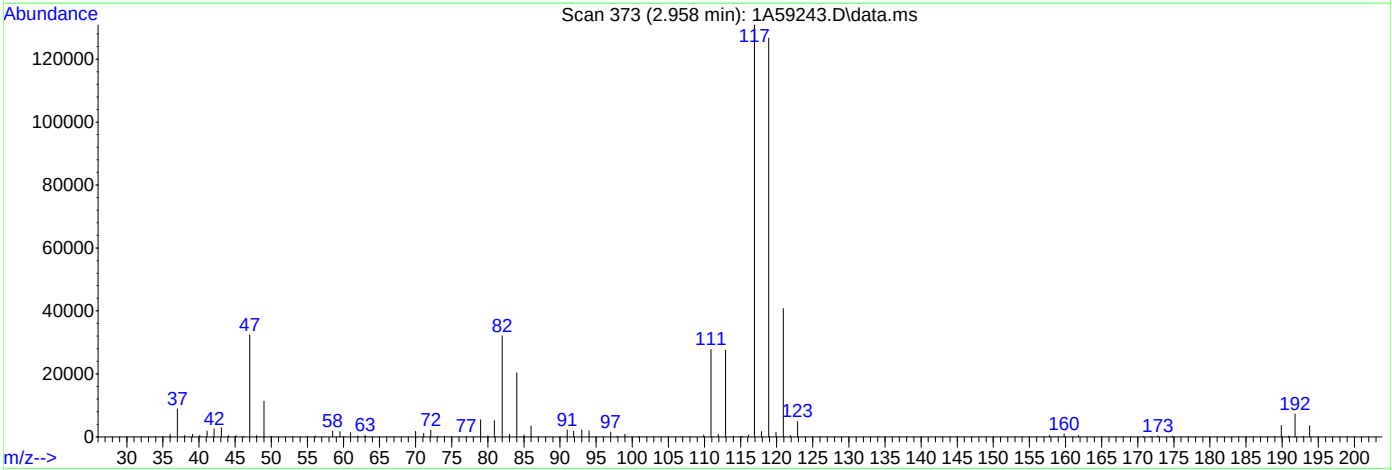
Ion	Exp%	Act%
116.90	100	100
118.90	96.70	96.79
120.90	32.00	31.13
81.90	24.70	24.54

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59243.D
Acq On : 18 Sep 2024 11:55 am
Operator : jeniferw
Sample : IC3047-7 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 18 12:14:09 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59243.D\data.ms

(40) Carbon Tetrachloride ( )

2.958min (+0.000) 95.15ug/L m

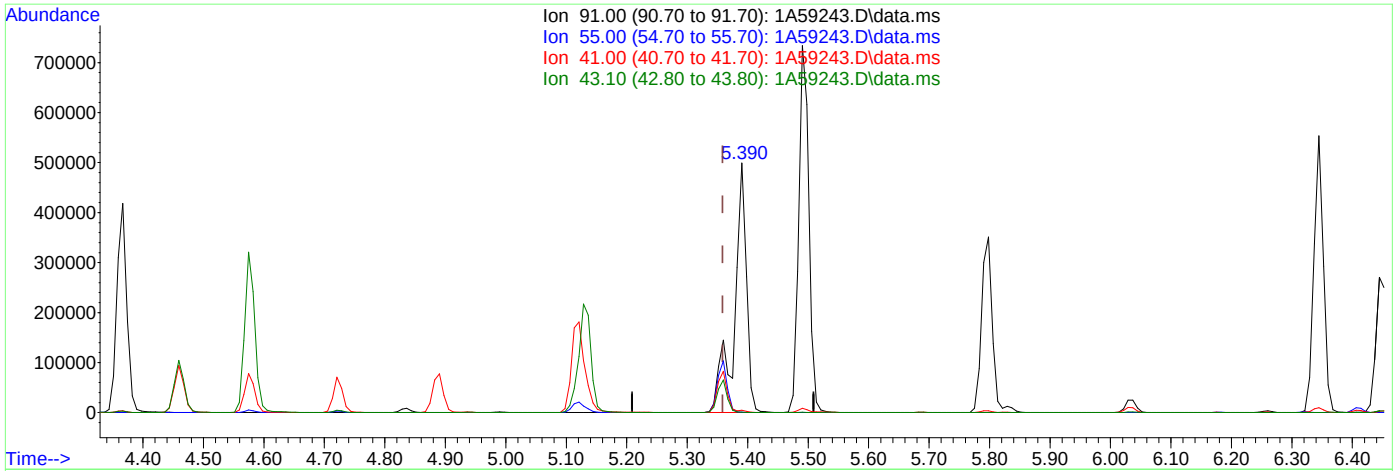
response 164760

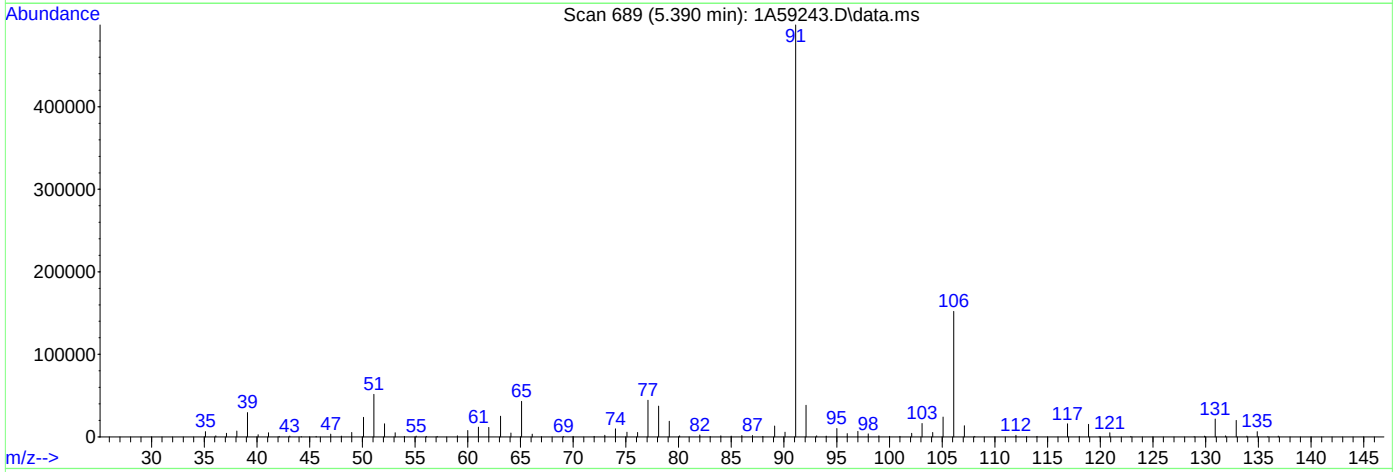
Ion	Exp%	Act%
116.90	100	100
118.90	96.70	96.79
120.90	32.00	31.13
81.90	24.70	24.54

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59243.D
Acq On : 18 Sep 2024 11:55 am
Operator : jeniferw
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Quant Time: Sep 18 12:14:09 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59243.D\data.ms

(76) 1-Chlorohexane

5.390min (+0.031) 384.14ug/L

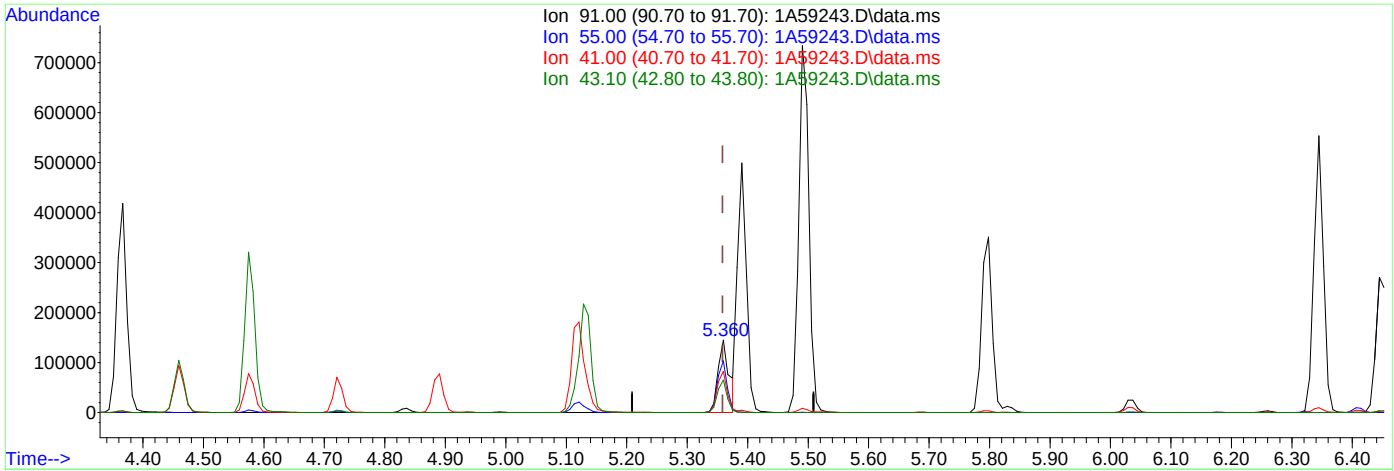
response 704267

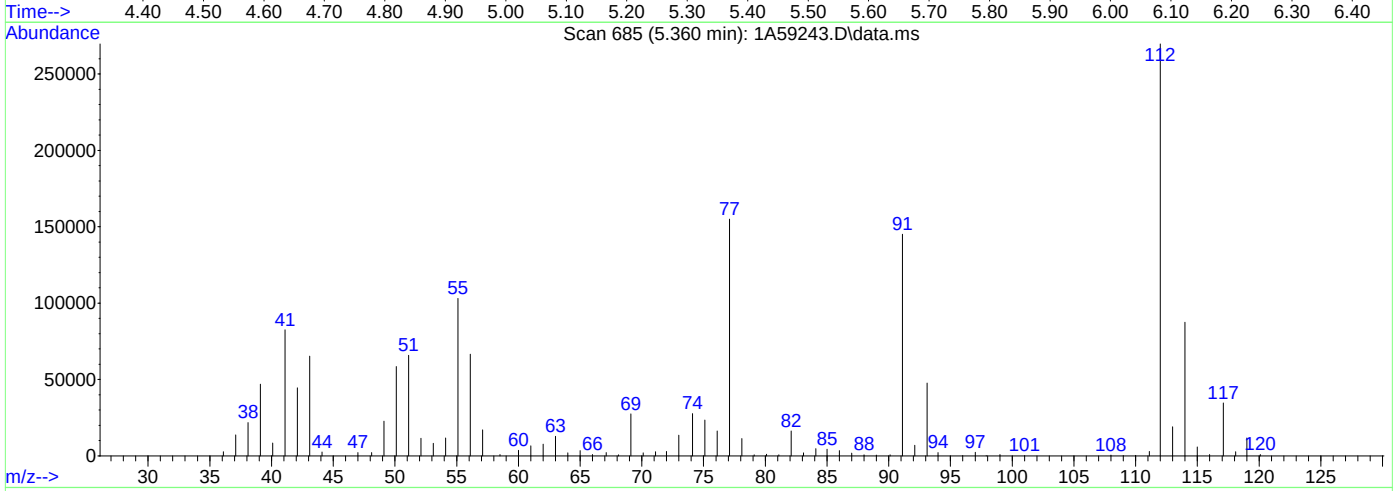
Ion	Exp%	Act%
91.00	100	100
55.00	77.50	0.16#
41.00	62.80	0.92#
43.10	51.70	0.13#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59243.D
Acq On : 18 Sep 2024 11:55 am
Operator : jeniferw
Sample : IC3047-7 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 18 12:14:09 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59243.D\data.ms

(76) 1-Chlorohexane

5.360min (+0.001) 101.26ug/L m

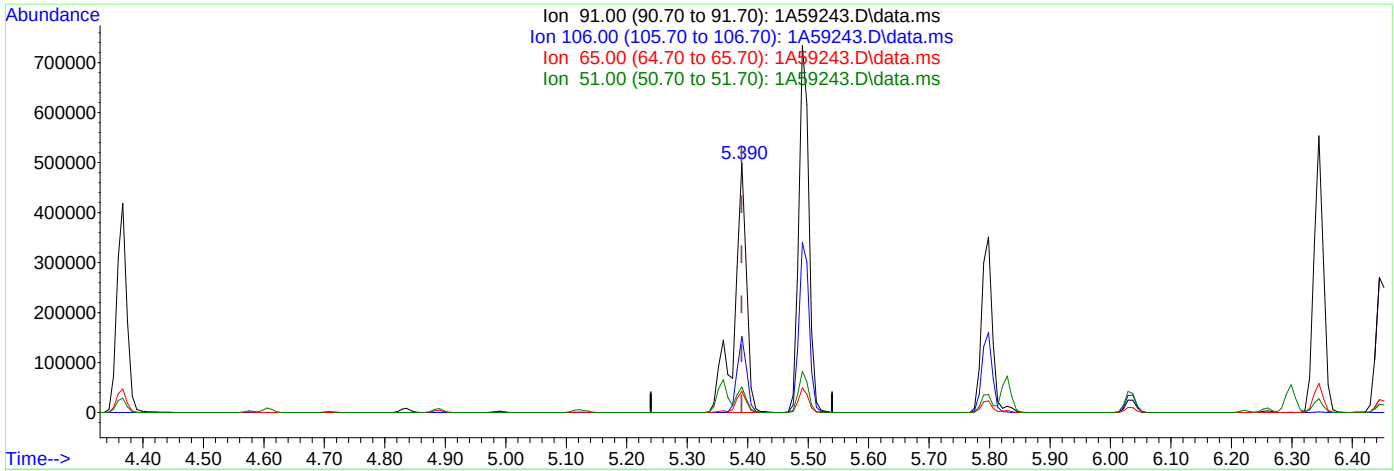
response 185656

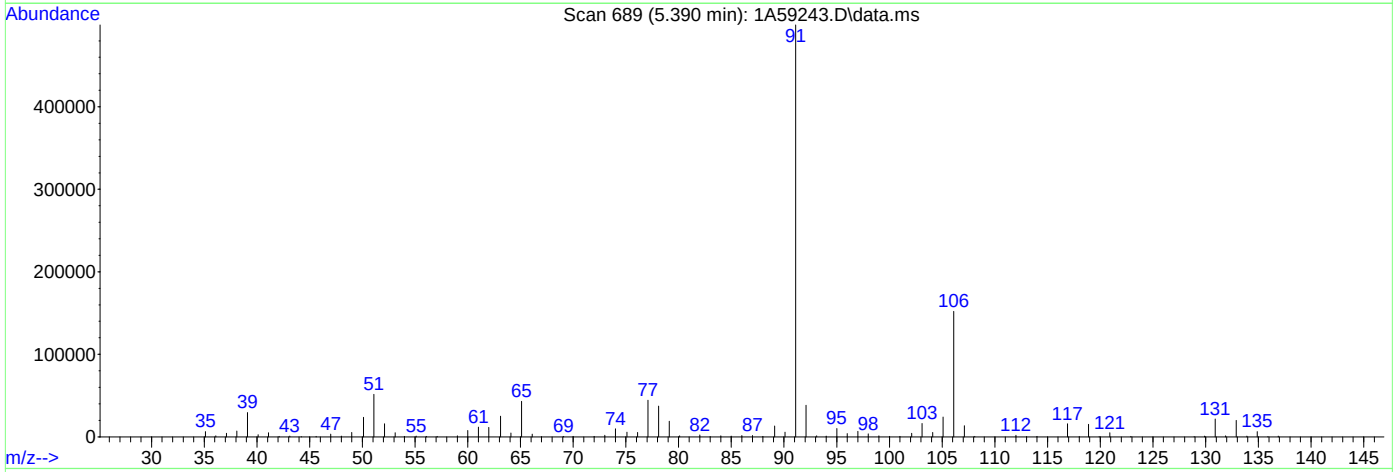
Ion	Exp%	Act%
91.00	100	100
55.00	77.50	71.11
41.00	62.80	56.85
43.10	51.70	45.02

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59243.D
Acq On : 18 Sep 2024 11:55 am
Operator : jeniferw
Sample : IC3047-7 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 18 12:14:09 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59243.D\data.ms

(77) Ethylbenzene

5.390min (+0.000) 132.24ug/L

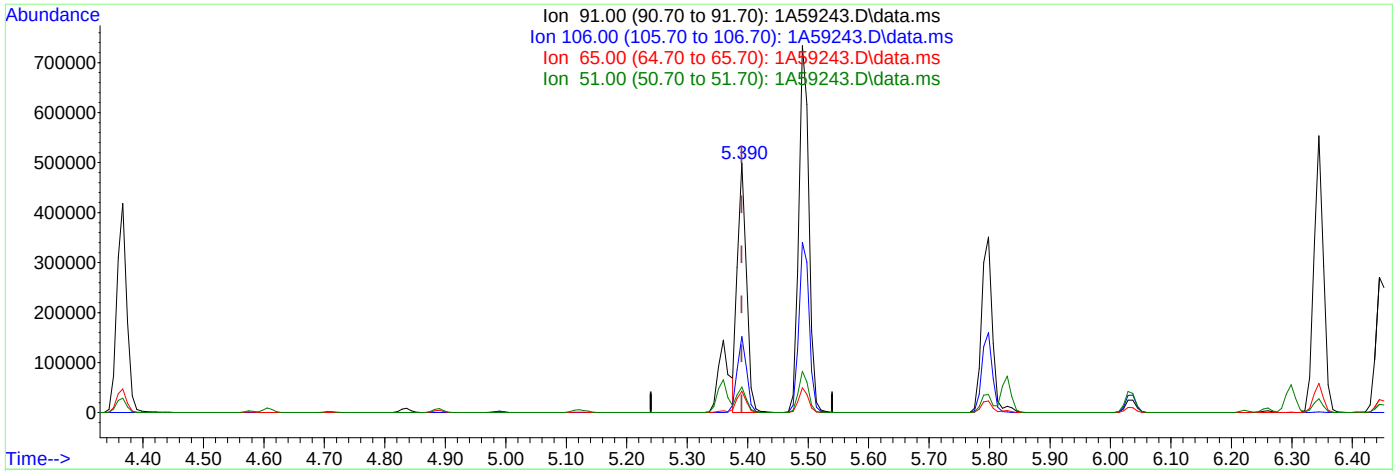
response 704267

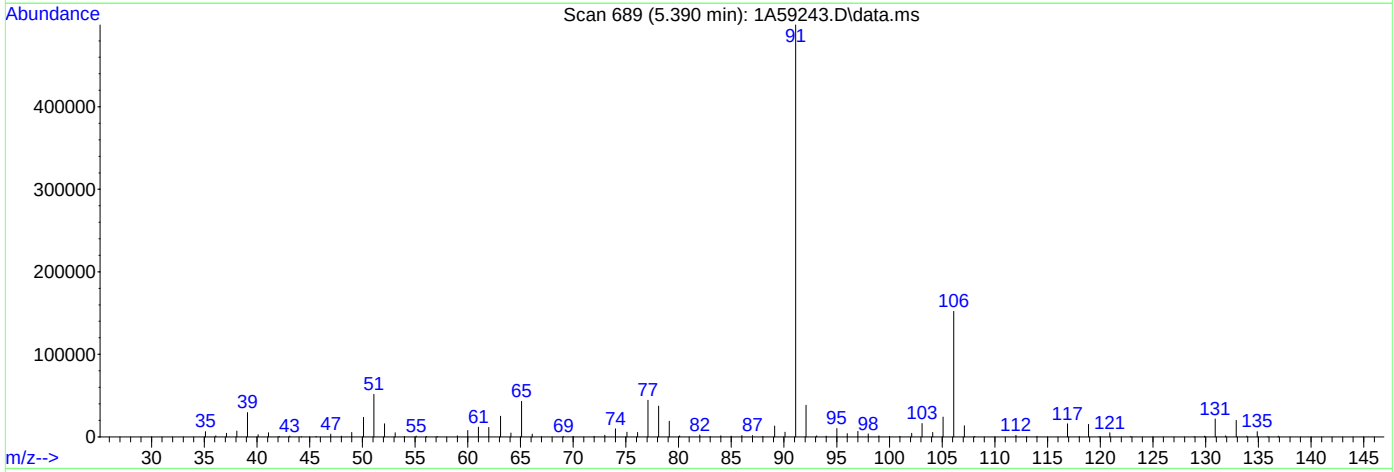
Ion	Exp%	Act%
91.00	100	100
106.00	29.70	30.46
65.00	9.20	8.62
51.00	10.90	10.31

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59243.D
Acq On : 18 Sep 2024 11:55 am
Operator : jeniferw
Sample : IC3047-7 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
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Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59243.D\data.ms

(77) Ethylbenzene

5.390min (+0.000) 97.46ug/L m

response 519050

Ion	Exp%	Act%
91.00	100	100
106.00	29.70	30.46
65.00	9.20	8.62
51.00	10.90	10.31

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/18/24 15:09

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59249.D
Acq On : 18 Sep 2024 1:31 pm
Operator : jeniferw
Sample : ICV3047-5 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 18 14:19:50 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:58 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.397	96	217956	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.344	117	150371	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.084	152	79530	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	2.951	113	61678	49.61	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	99.22%		
49) 1,2-Dichloroethane-d4	3.228	65	68870	50.37	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery =	100.74%		
63) Toluene-d8	4.328	98	211076	49.85	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery =	99.70%		
86) 4-Bromofluorobenzene	6.222	174	65869	50.33	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	100.66%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.019	85	43991	36.35	ug/L	99
3) Chloromethane	1.127	50	38422	34.71	ug/L	97
4) 1,3-butadiene	1.180	39	43303	43.41	ug/L	95
5) Vinyl Chloride	1.165	62	43811	35.93	ug/L	98
6) Bromomethane	1.342	94	26056	39.76	ug/L	97
7) Chloroethane	1.411	64	28713	34.59	ug/L	98
8) Trichlorofluoromethane	1.496	101	65950	35.52	ug/L	100
9) Ethyl Ether	1.650	59	28122	36.45	ug/L	96
10) Ethanol	1.696	45	4591m	777.23	ug/L	
11) 1,2-Dichlorotrifluoroe...	1.742	67	48030	37.48	ug/L	98
12) 1,1-Dichloroethene	1.758	61	66707	43.44	ug/L	99
13) Freon 113	1.781	101	41831	40.95	ug/L	99
14) Carbon Disulfide	1.781	76	111239	35.96	ug/L	98
15) Iodomethane	1.827	142	26383	37.48	ug/L	97
16) Acrolein	1.904	56	22422	201.78	ug/L	95
17) Allyl chloride	1.989	41	59924	42.59	ug/L	99
18) Methylene Chloride	2.042	49	59985	42.62	ug/L	98
19) Acetone	2.042	43	38542	201.88	ug/L	97
20) Methyl acetate	2.119	43	99653	190.44	ug/L	100
21) trans-1,2-Dichloroethene	2.135	61	65123	42.70	ug/L	98
22) Hexane	2.189	56	37561	39.49	ug/L	98
23) Methyl Tert Butyl Ether	2.189	73	92463	39.52	ug/L	99
24) Acetonitrile	2.266	41	30440	404.70	ug/L	97
25) Tert Butyl Alcohol	2.204	59	17736	343.70	ug/L	93
26) Di-isopropyl ether	2.389	45	117575	38.18	ug/L	99
27) Chloroprene	2.435	53	124124	42.58	ug/L	98
28) 1,1-Dichloroethane	2.435	63	82035	41.53	ug/L	98
29) Acrylonitrile	2.435	52	63726	208.73	ug/L	98
30) ETBE	2.574	59	112053	39.41	ug/L	99
31) Vinyl acetate	2.558	43	400581	233.21	ug/L	99
32) cis-1,2-Dichloroethene	2.712	96	49503	42.70	ug/L	99
33) 2,2-Dichloropropane	2.781	77	65142	45.19	ug/L	99
34) Bromochloromethane	2.820	128	21948	38.18	ug/L	97
35) Cyclohexane	2.858	56	74571	40.76	ug/L	99
36) Chloroform	2.858	83	87171	42.63	ug/L	100
37) Ethyl acetate	2.904	43	140970	206.18	ug/L	99
38) Tetrahydrofuran	2.943	42	6718	32.53	ug/L	99
40) Carbon Tetrachloride	2.958	117	64567m	42.01	ug/L	
41) 1,1,1-Trichloroethane	2.981	97	72422	43.20	ug/L	99
42) 2-Butanone	2.997	43	54627	185.81	ug/L	98
45) Propionitrile	3.135	54	40191	438.06	ug/L	99
46) Methacrylonitrile	3.158	41	194956	432.59	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59249.D
Acq On : 18 Sep 2024 1:31 pm
Operator : jeniferw
Sample : ICV3047-5 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 18 14:19:50 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:58 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Benzene	3.174	78	181149	42.46	ug/L	98
48) TAME	3.243	73	88047	38.32	ug/L	99
50) 1,2-Dichloroethane	3.266	62	60692	42.27	ug/L	99
51) Isobutyl Alcohol	3.243	43	46580	793.49	ug/L	99
52) Tert Amyl Alcohol	3.312	59	13297	358.30	ug/L	97
53) Trichloroethene	3.505	95	50694	42.25	ug/L	98
54) Methylcyclohexane	3.528	83	75232	42.13	ug/L	93
55) Dibromomethane	3.728	93	27506	41.56	ug/L	99
56) 1,2-Dichloropropane	3.790	63	47585	42.32	ug/L	98
57) Bromodichloromethane	3.820	83	60151	42.47	ug/L	97
58) Methyl methacrylate	3.913	41	27096	45.76	ug/L	98
59) 1,4-Dioxane	3.936	88	3365	705.78	ug/L	85
60) 2-Chloroethyl vinyl ether	4.159	63	89018	219.42	ug/L	98
61) cis-1,3-Dichloropropene	4.205	75	67650	43.17	ug/L	100
64) Toluene	4.367	91	194410	42.90	ug/L	97
65) 2-Nitropropane	4.459	41	35842	183.48	ug/L	97
66) 4-Methyl-2-pentanone	4.575	43	144228	205.15	ug/L	98
67) trans-1,3-Dichloropropene	4.605	75	54546	36.73	ug/L	99
68) Tetrachloroethene	4.628	166	53173	41.58	ug/L	98
69) Ethyl methacrylate	4.721	69	45285	45.64	ug/L	99
70) 1,1,2-Trichloroethane	4.705	83	29874	43.48	ug/L	97
71) Dibromochloromethane	4.836	129	42095	45.12	ug/L	98
72) 1,3-Dichloropropane	4.890	76	60485	43.94	ug/L	99
73) 1,2-Dibromoethane	4.990	107	34658	43.58	ug/L	99
74) 3,3-Dimethyl-1-Butanol	5.113	57	117854	2030.49	ug/L	98
75) 2-hexanone	5.129	43	120326	209.37	ug/L	97
76) 1-Chlorohexane	5.360	91	57825m	36.94	ug/L	
77) Ethylbenzene	5.390	91	218793m	43.11	ug/L	
78) Chlorobenzene	5.360	112	121880	41.92	ug/L	99
79) 1,1,1,2-Tetrachloroethane	5.406	131	42396	45.87	ug/L	99
80) m,p-Xylene	5.490	91	340094	88.08	ug/L	99
81) o-Xylene	5.798	91	168132	43.14	ug/L	100
82) Styrene	5.829	104	126926	45.76	ug/L	99
83) Bromoform	5.837	173	21739	41.60	ug/L	95
84) Isopropylbenzene	6.037	105	201666	44.83	ug/L	98
87) cis-1,4-Dichloro-2-butene	6.260	53	10773	44.65	ug/L	95
88) n-Propylbenzene	6.345	91	248727	43.13	ug/L	98
89) Bromobenzene	6.299	156	50004	42.25	ug/L	95
90) 1,1,2,2-Tetrachloroethane	6.368	83	36161	42.89	ug/L	97
91) 1,3,5-Trimethylbenzene	6.499	105	166787	46.26	ug/L	98
92) 2-Chlorotoluene	6.445	91	135372	42.39	ug/L	99
93) trans-1,4-Dichloro-2-B...	6.499	53	13894	42.48	ug/L	95
94) 1,2,3-Trichloropropane	6.460	110	10572	43.95	ug/L	94
95) Cyclohexanone	6.476	55	7825	434.35	ug/L	97
96) 4-Chlorotoluene	6.576	91	142249	43.29	ug/L	99
97) tert-Butylbenzene	6.737	91	94814	43.61	ug/L	99
98) 1,2,4-Trimethylbenzene	6.791	105	156352	45.91	ug/L	99
100) sec-Butylbenzene	6.883	105	198265	42.92	ug/L	98
101) 4-Isopropyltoluene	6.999	119	167462	44.92	ug/L	100
102) 1,3-Dichlorobenzene	7.030	146	88557	42.43	ug/L	99
103) 1,2,3-Trimethylbenzene	7.130	105	144077	41.99	ug/L	99
104) 1,4-Dichlorobenzene	7.099	146	88747	42.82	ug/L	98
105) n-Butylbenzene	7.330	92	82591	44.02	ug/L	97
106) Benzyl Chloride	7.284	126	10491	40.81	ug/L	96
107) 1,2-Dichlorobenzene	7.422	146	76047	42.02	ug/L	98
108) 1,2-Dibromo-3-Chloropr...	7.999	75	4355	40.22	ug/L	98
109) Hexachlorobutadiene	8.507	225	20500	42.23	ug/L	98
110) 1,2,4-Trichlorobenzene	8.500	180	37660	43.65	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59249.D
Acq On : 18 Sep 2024 1:31 pm
Operator : jeniferw
Sample : ICV3047-5 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 18 14:19:50 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:58 2024
Response via : Initial Calibration

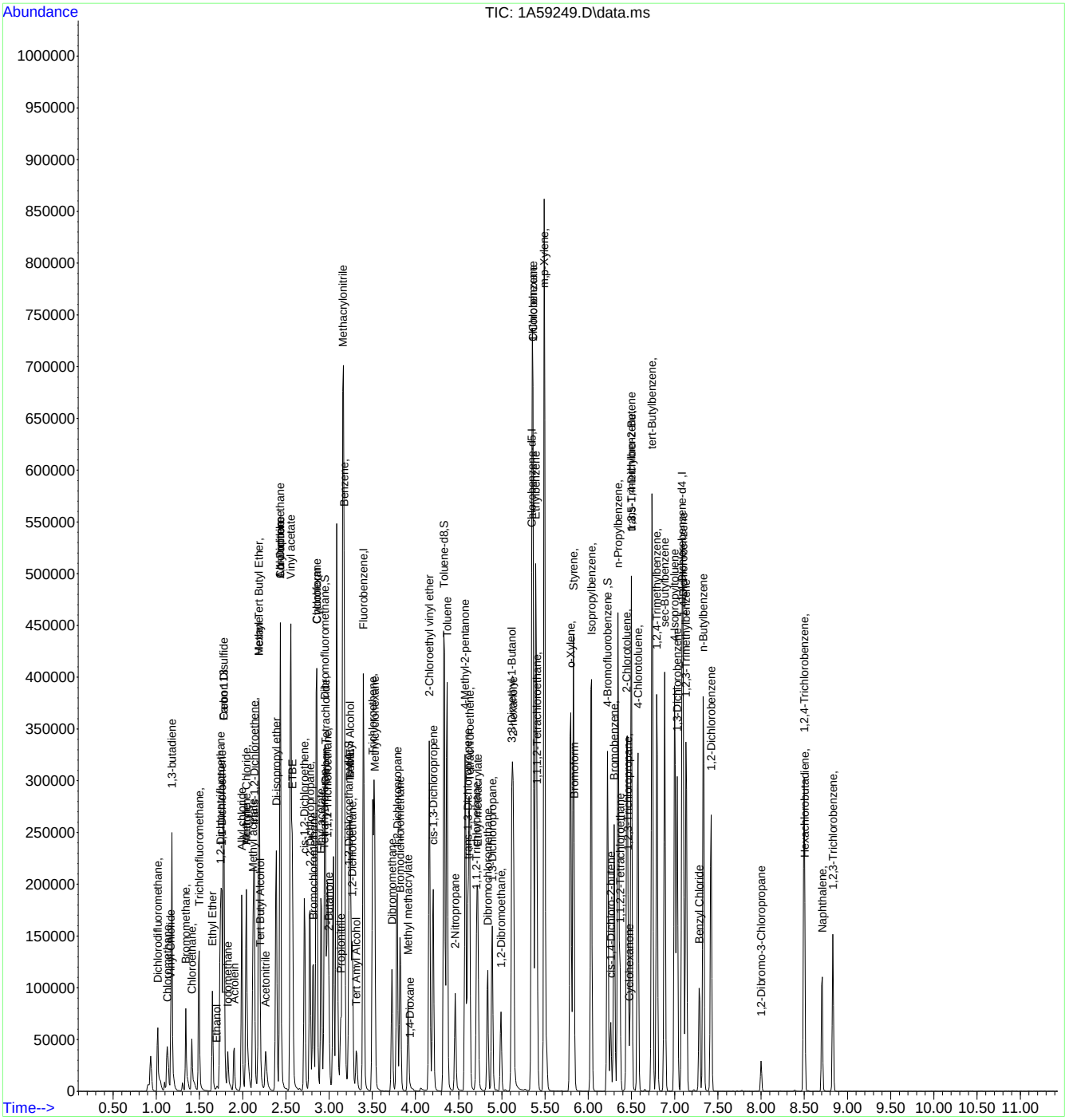
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
111) Naphthalene	8.708	128	59856	38.74	ug/L	100
112) 1,2,3-Trichlorobenzene	8.831	180	28079	41.85	ug/L	97

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

Quantitation Report (QT Reviewed)

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Acq On : 18 Sep 2024 1:31 pm
Operator : jeniferw
Sample : ICV3047-5 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
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Response via : Initial Calibration



Manual Integration Approval Summary

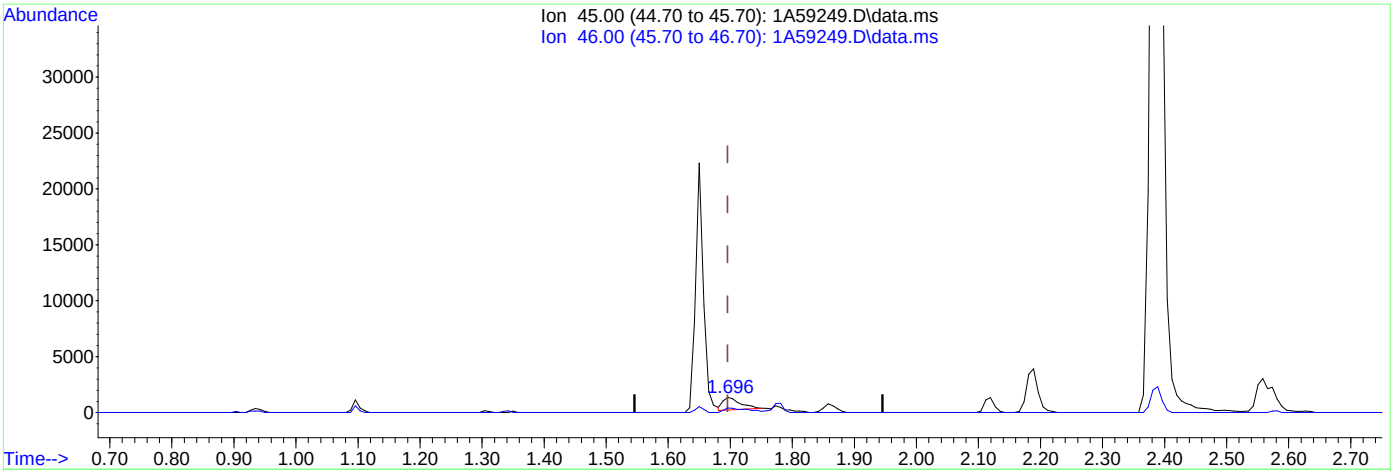
Sample Number: V1A3047-ICV3047 **Method:** SW846 8260D
Lab FileID: 1A59249.D **Analyst approved:** 09/18/24 14:30 Jenifer Willis
Injection Time: 09/18/24 13:31 **Supervisor approved:** 09/18/24 15:09 Karen Watson

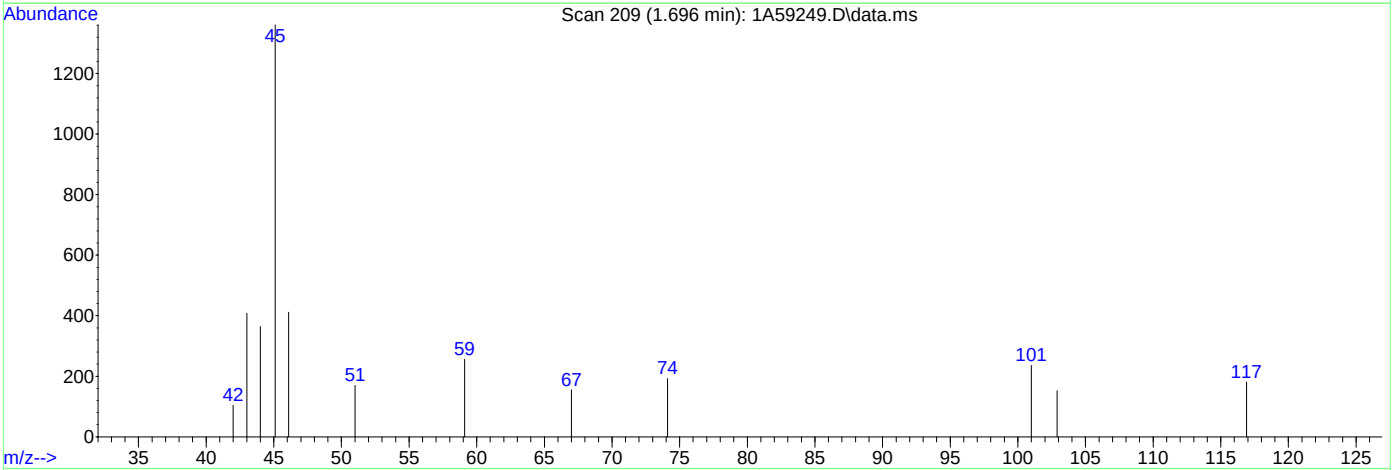
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		1.70	Poorly defined baseline
Carbon Tetrachloride	56-23-5		2.96	Overlapping peak
1-Chlorohexane	544-10-5		5.36	Overlapping peak
Ethylbenzene	100-41-4		5.39	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59249.D
Acq On : 18 Sep 2024 1:31 pm
Operator : jeniferw
Sample : ICV3047-5 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 18 14:18:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:58 2024
Response via : Initial Calibration





TIC: 1A59249.D\data.ms

(10) Ethanol

1.696min (+0.000) 379.61ug/L

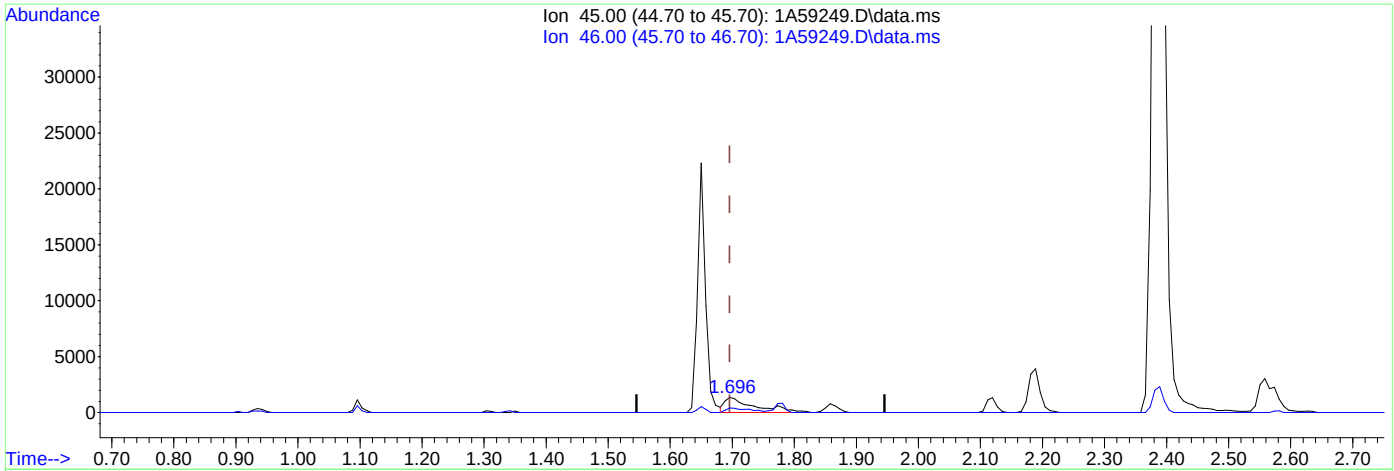
response 2228

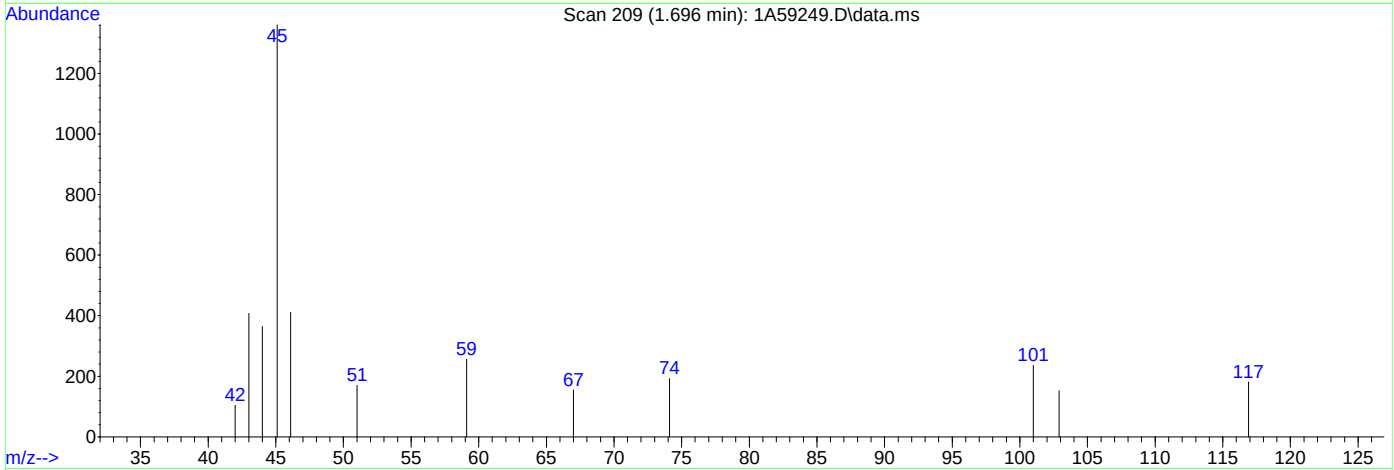
Ion	Exp%	Act%
45.00	100	100
46.00	35.50	41.83
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59249.D
Acq On : 18 Sep 2024 1:31 pm
Operator : jeniferw
Sample : ICV3047-5 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 18 14:18:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:58 2024
Response via : Initial Calibration





TIC: 1A59249.D\data.ms

(10) Ethanol

1.696min (+0.000) 777.23ug/L m

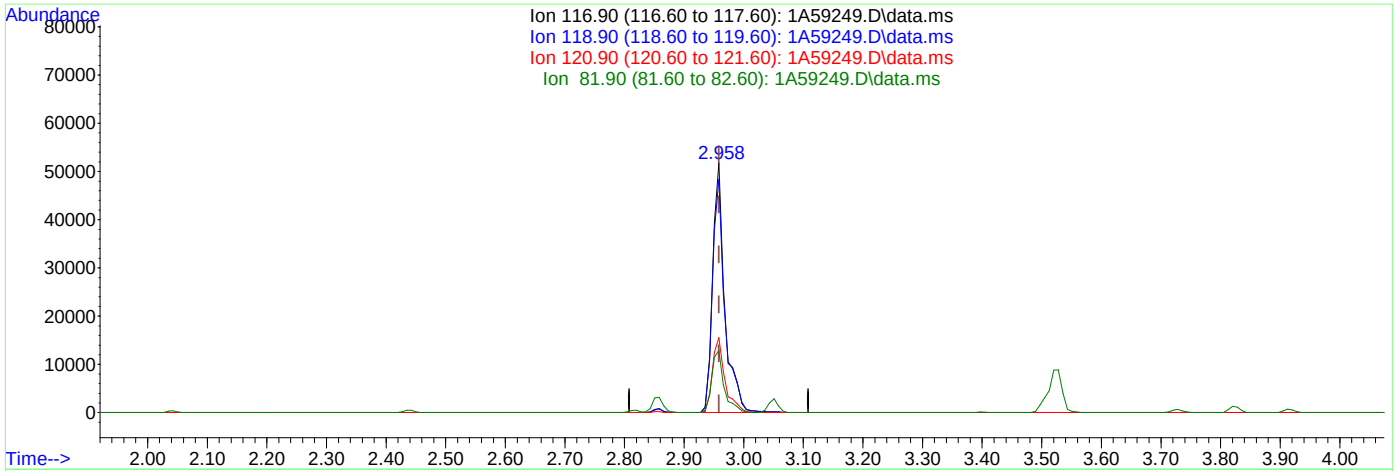
response 4591

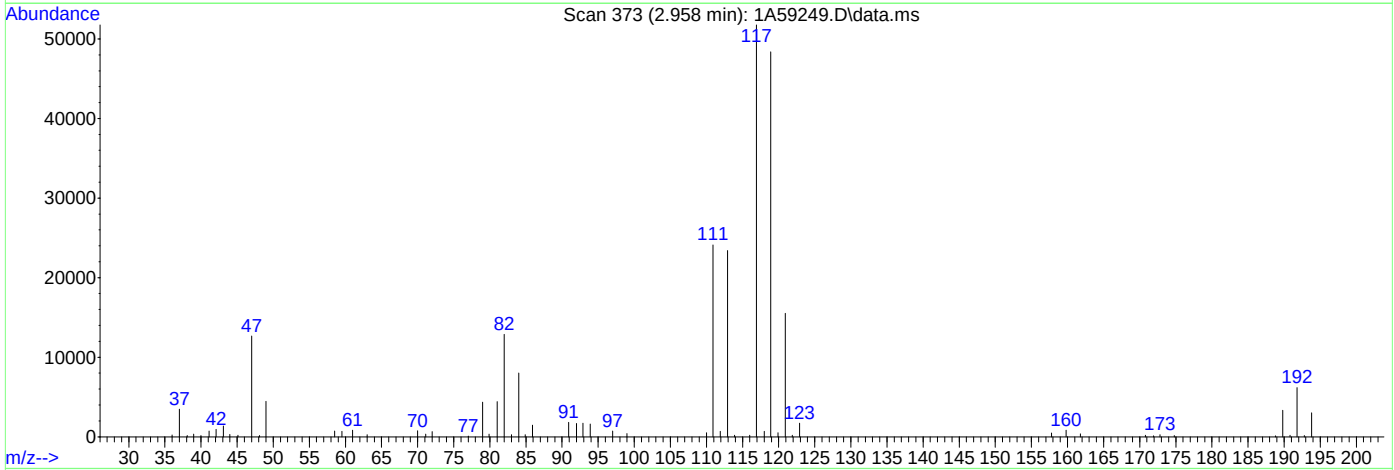
Ion	Exp%	Act%
45.00	100	100
46.00	35.50	30.27
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59249.D
Acq On : 18 Sep 2024 1:31 pm
Operator : jeniferw
Sample : ICV3047-5 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 18 14:18:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:58 2024
Response via : Initial Calibration





TIC: 1A59249.D\data.ms

(40) Carbon Tetrachloride ( )

2.958min (-0.000) 47.92ug/L

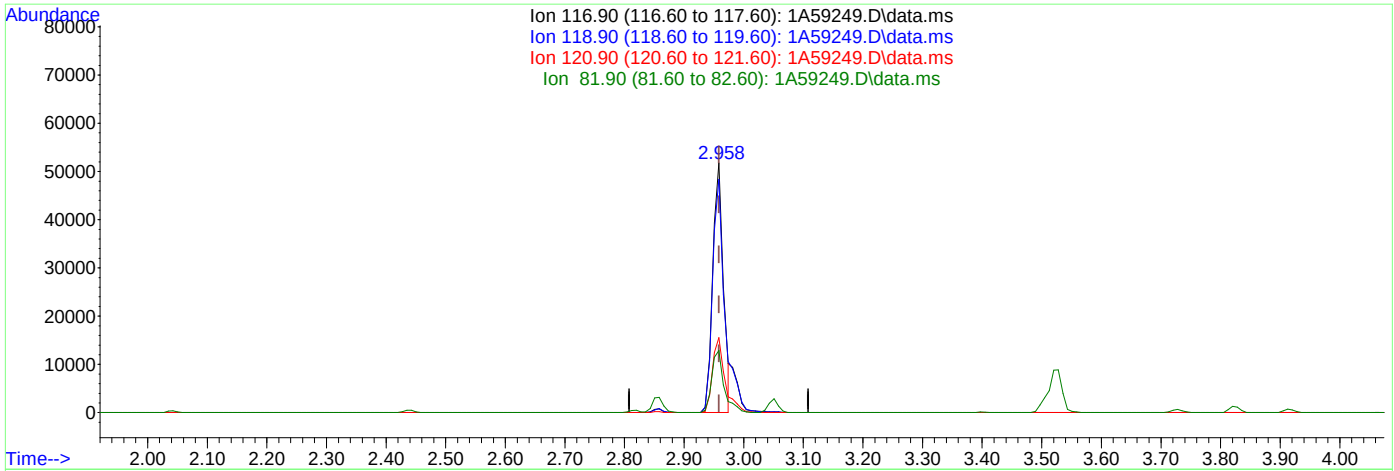
response 73643

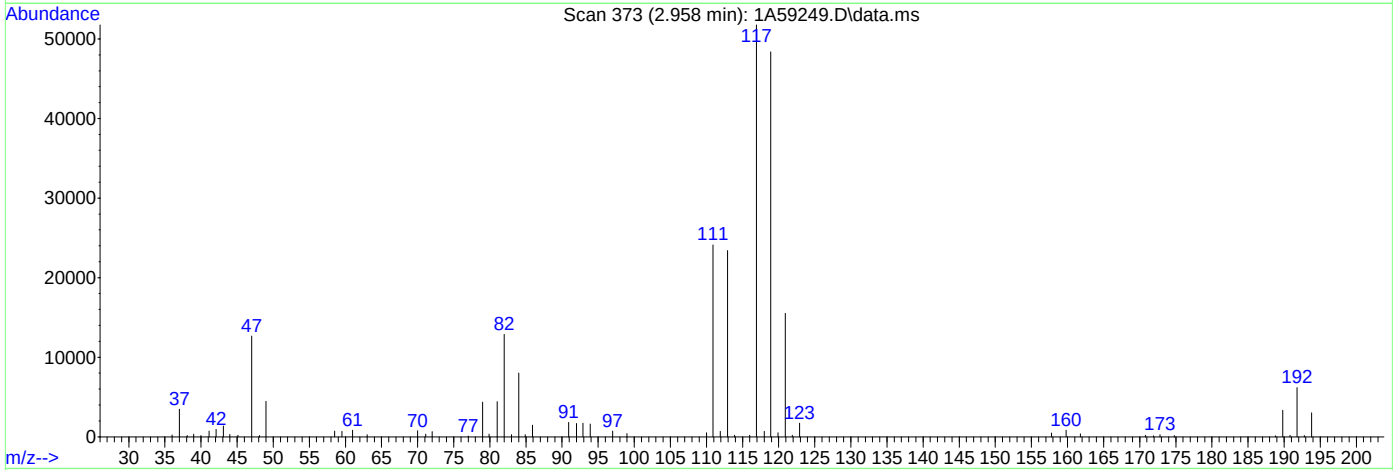
Ion	Exp%	Act%
116.90	100	100
118.90	97.80	93.43
120.90	30.90	29.97
81.90	25.10	24.86

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59249.D
Acq On : 18 Sep 2024 1:31 pm
Operator : jeniferw
Sample : ICV3047-5 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 18 14:18:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:58 2024
Response via : Initial Calibration





TIC: 1A59249.D\data.ms

(40) Carbon Tetrachloride ( )

2.958min (-0.000) 42.01ug/L m

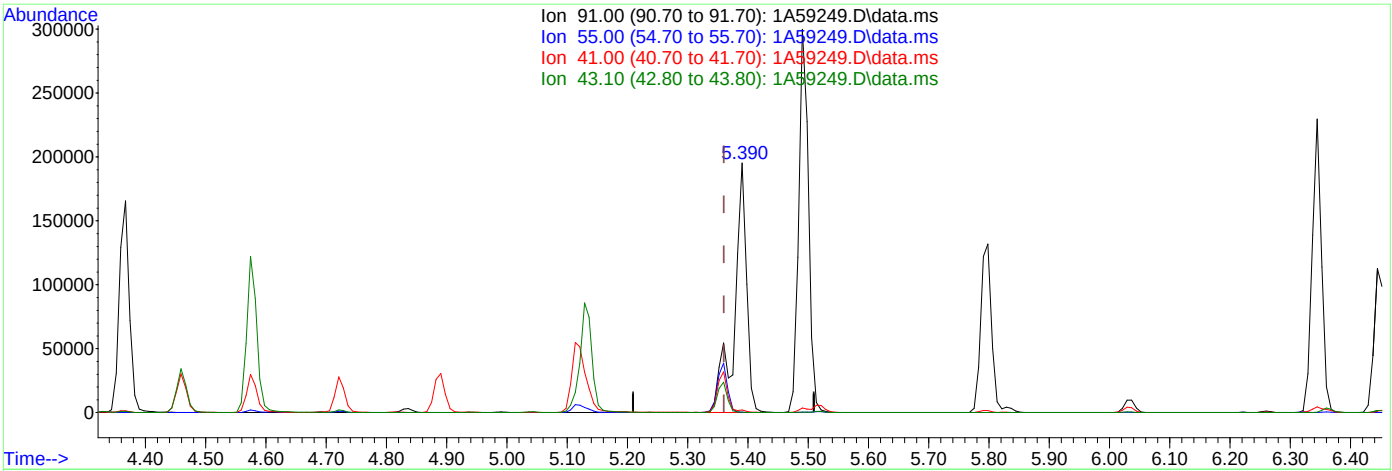
response 64567

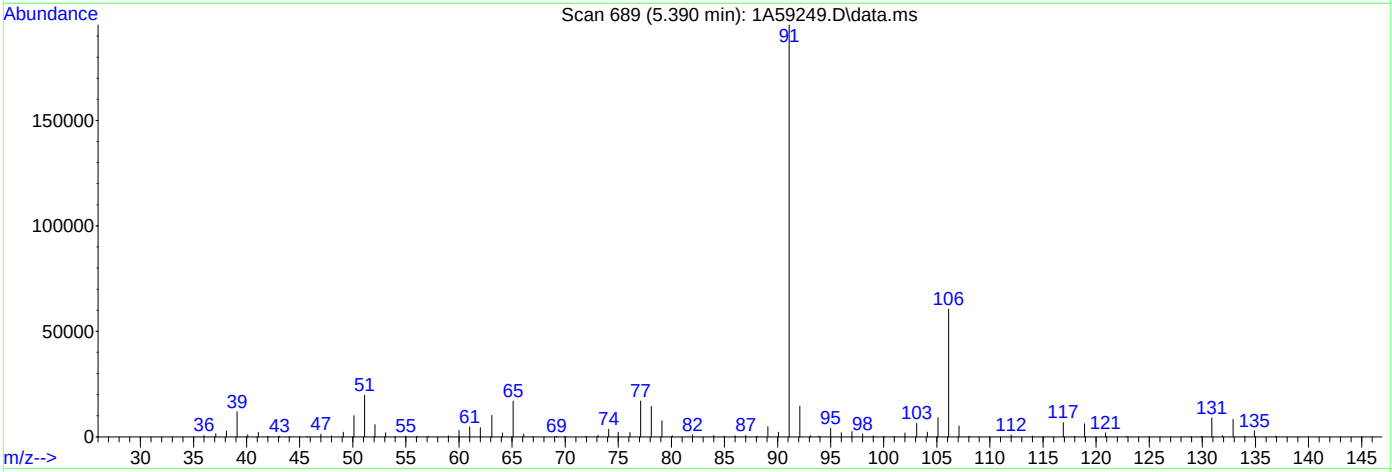
Ion	Exp%	Act%
116.90	100	100
118.90	97.80	93.43
120.90	30.90	29.97
81.90	25.10	24.86

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59249.D
Acq On : 18 Sep 2024 1:31 pm
Operator : jeniferw
Sample : ICV3047-5 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 18 14:18:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:58 2024
Response via : Initial Calibration





TIC: 1A59249.D\data.ms

(76) 1-Chlorohexane

5.390min (+0.030) 176.86ug/L

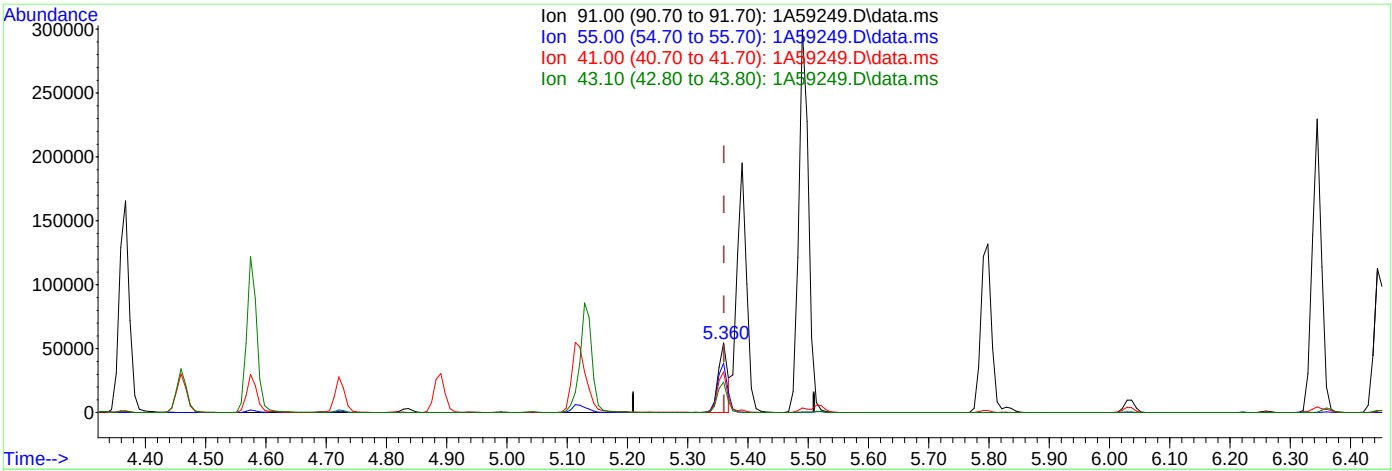
response 276842

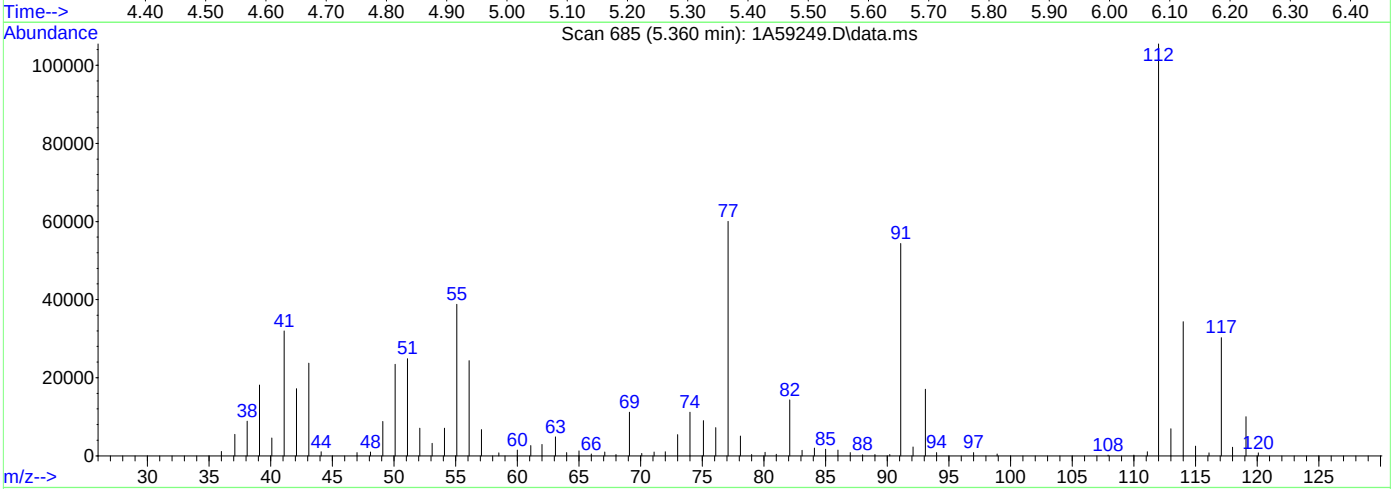
Ion	Exp%	Act%
91.00	100	100
55.00	69.60	0.17#
41.00	56.40	0.99#
43.10	42.00	0.18#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59249.D
Acq On : 18 Sep 2024 1:31 pm
Operator : jeniferw
Sample : ICV3047-5 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 18 14:18:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:58 2024
Response via : Initial Calibration





TIC: 1A59249.D\data.ms

(76) 1-Chlorohexane

5.360min (-0.000) 36.94ug/L m

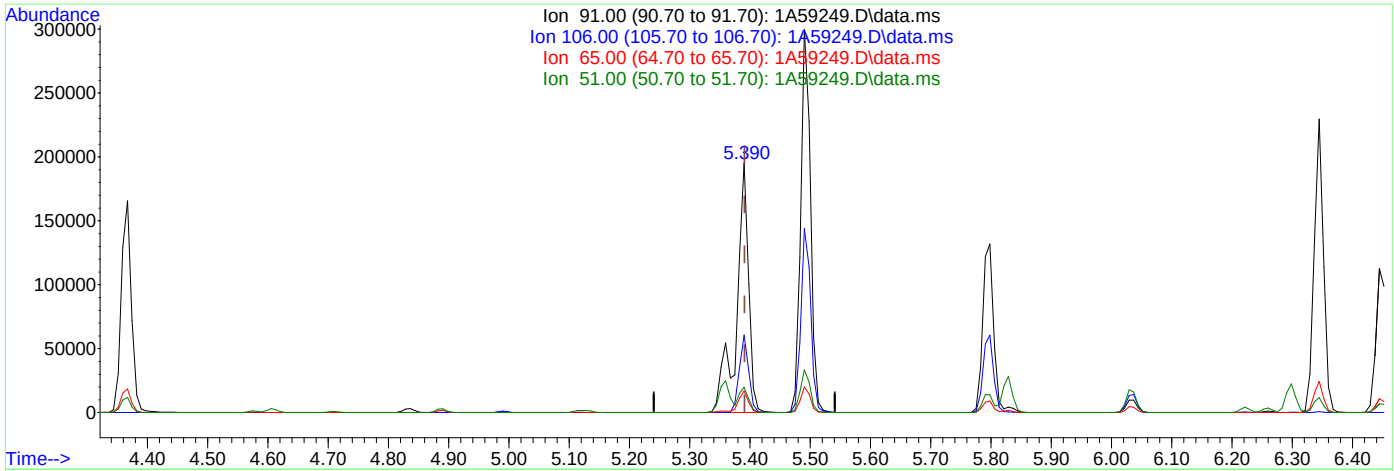
response 57825

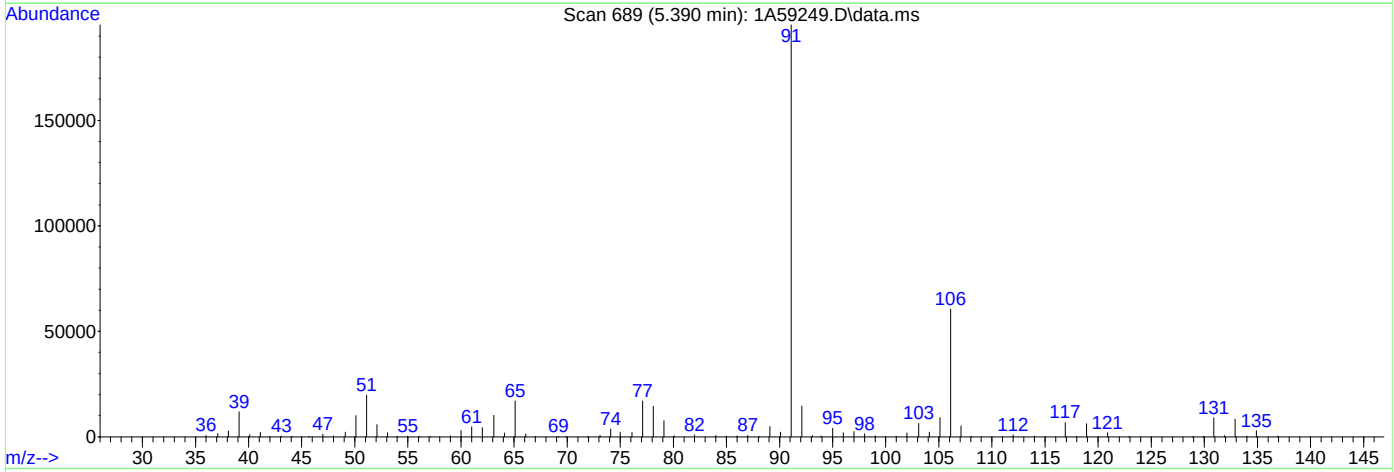
Ion	Exp%	Act%
91.00	100	100
55.00	69.60	71.31
41.00	56.40	58.85
43.10	42.00	43.62

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59249.D
Acq On : 18 Sep 2024 1:31 pm
Operator : jeniferw
Sample : ICV3047-5 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 18 14:18:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:58 2024
Response via : Initial Calibration





TIC: 1A59249.D\data.ms

(77) Ethylbenzene

5.390min (-0.001) 54.55ug/L

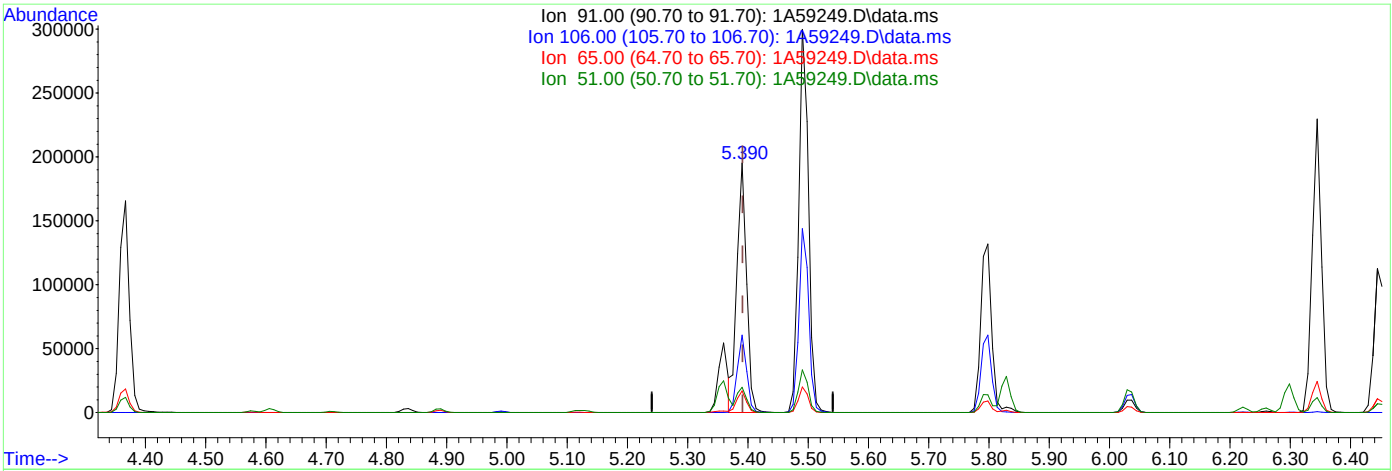
response 276842

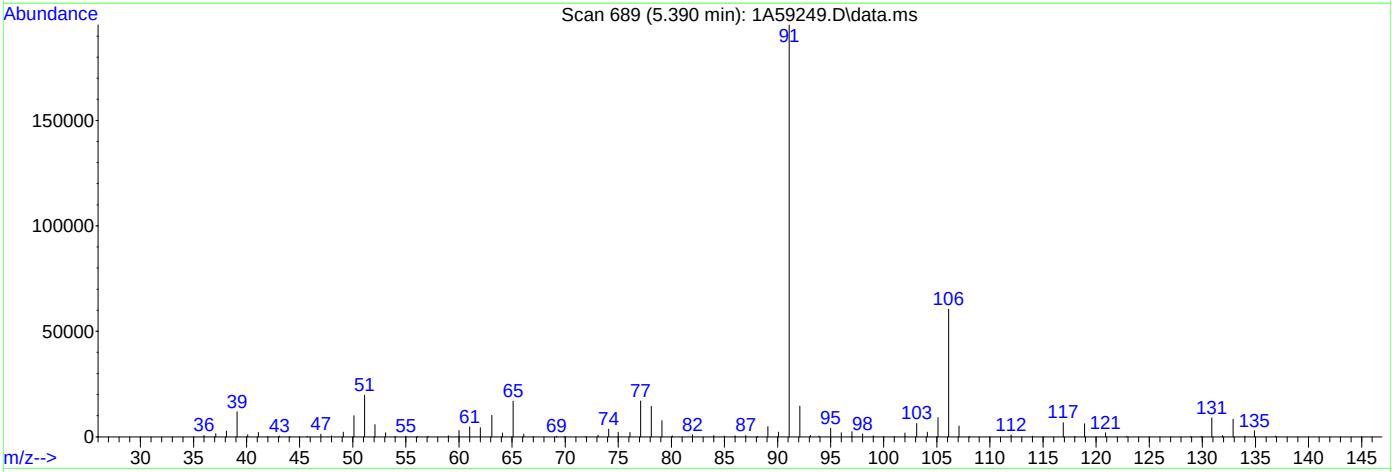
Ion	Exp%	Act%
91.00	100	100
106.00	30.40	31.01
65.00	8.50	8.69
51.00	10.30	10.12

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59249.D
Acq On : 18 Sep 2024 1:31 pm
Operator : jeniferw
Sample : ICV3047-5 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 18 14:18:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:58 2024
Response via : Initial Calibration





TIC: 1A59249.D\data.ms

(77) Ethylbenzene

5.390min (-0.001) 43.11ug/L m

response 218793

Ion	Exp%	Act%
91.00	100	100
106.00	30.40	31.01
65.00	8.50	8.69
51.00	10.30	10.12

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59251.D
Acq On : 18 Sep 2024 2:03 pm
Operator : jeniferw
Sample : ICV3047-4 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 18 14:21:42 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:58 2024
Response via : Initial Calibration

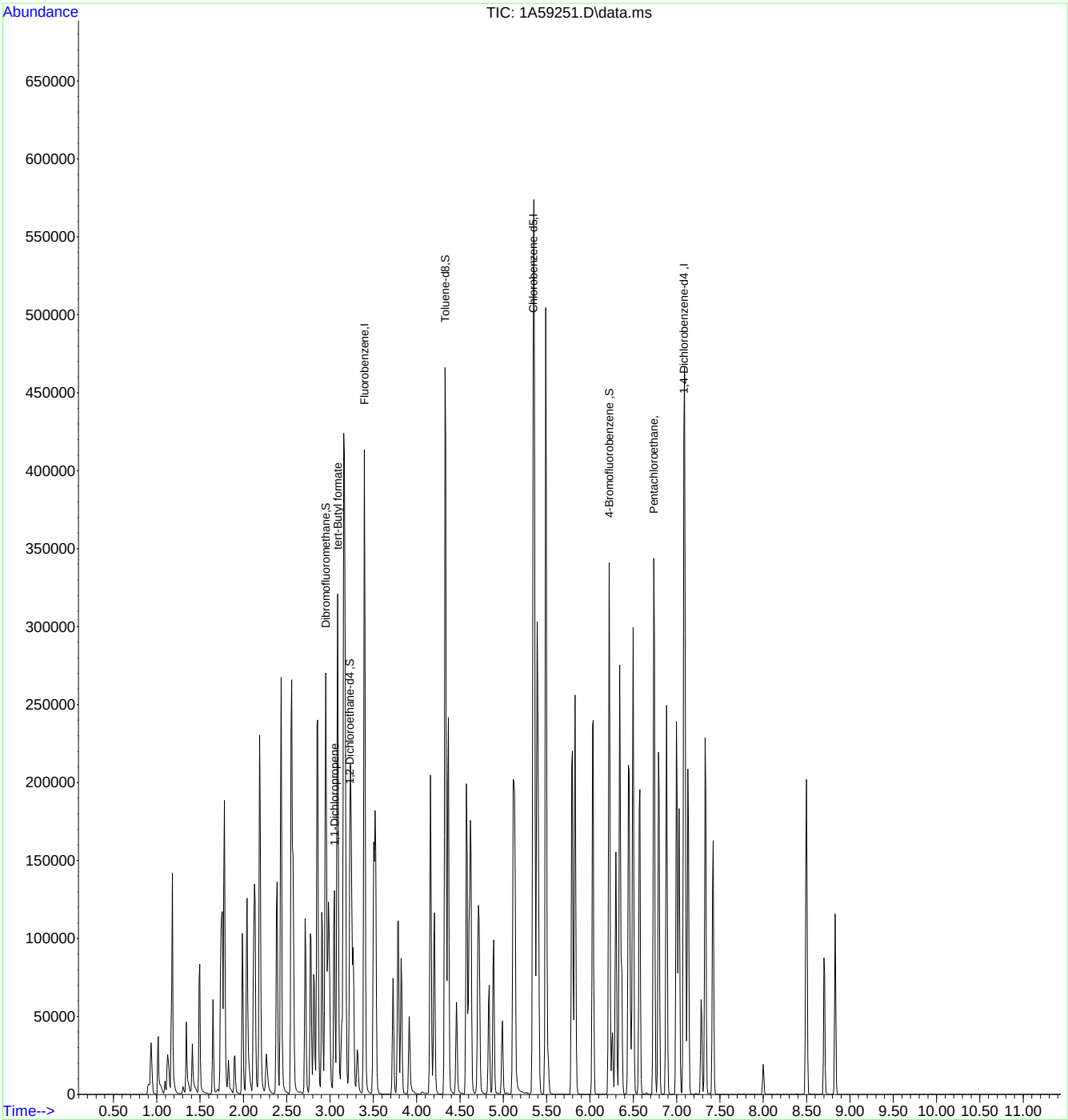
Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) Fluorobenzene		3.397	96	221791	50.00	ug/L	0.00
62) Chlorobenzene-d5		5.344	117	154127	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4		7.083	152	81119	50.00	ug/L	0.00
System Monitoring Compounds							
39) Dibromofluoromethane		2.951	113	62380	49.31	ug/L	0.00
Spiked Amount	50.000	Range 83 - 118		Recovery =	98.62%		
49) 1,2-Dichloroethane-d4		3.228	65	70294	50.52	ug/L	0.00
Spiked Amount	50.000	Range 79 - 125		Recovery =	101.04%		
63) Toluene-d8		4.328	98	215955	49.76	ug/L	0.00
Spiked Amount	50.000	Range 85 - 112		Recovery =	99.52%		
86) 4-Bromofluorobenzene		6.221	174	67153	50.31	ug/L	0.00
Spiked Amount	50.000	Range 83 - 118		Recovery =	100.62%		
Target Compounds							Qvalue
43) 1,1-Dichloropropene		3.051	75	37591	27.67	ug/L	99
44) tert-Butyl formate		3.089	59	85192	163.95	ug/L	97
99) Pentachloroethane		6.737	167	14800	27.37	ug/L #	84

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59251.D
Acq On : 18 Sep 2024 2:03 pm
Operator : jeniferw
Sample : ICV3047-4 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 18 14:21:42 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:58 2024
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/30/24 12:24

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\092924\
Data File : 1A59533.D
Acq On : 29 Sep 2024 10:30 am
Operator : jeniferw
Sample : CC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57580,V1A3060,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 29 11:15:23 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	3.397	96	254005	50.00	ug/L		0.00
62) Chlorobenzene-d5	5.352	117	177121	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	7.091	152	94181	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	2.951	113	72844	50.28	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.56%				
49) 1,2-Dichloroethane-d4	3.235	65	84637	53.11	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 106.22%				
63) Toluene-d8	4.336	98	248191	49.76	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 99.52%				
86) 4-Bromofluorobenzene	6.229	174	77389	49.93	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.86%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.019	85	65066	46.14	ug/L		98
3) Chloromethane	1.127	50	54280	42.07	ug/L		99
4) 1,3-butadiene	1.181	39	46248	39.78	ug/L		90
5) Vinyl Chloride	1.173	62	57637	40.56	ug/L		99
6) Bromomethane	1.342	94	29701	38.89	ug/L		96
7) Chloroethane	1.411	64	32577	33.68	ug/L		98
8) Trichlorofluoromethane	1.496	101	80953	37.41	ug/L		99
9) Ethyl Ether	1.650	59	34502	38.37	ug/L		98
10) Ethanol	1.704	45	5323	773.31	ug/L	#	65
11) 1,2-Dichlorotrifluoroe...	1.742	67	57045	38.20	ug/L		98
12) 1,1-Dichloroethene	1.758	61	75024	41.93	ug/L		95
13) Freon 113	1.781	101	46669	39.20	ug/L		95
14) Carbon Disulfide	1.781	76	141968	39.38	ug/L		97
15) Iodomethane	1.827	142	34220	40.91	ug/L		94
16) Acrolein	1.904	56	25364	195.86	ug/L		99
17) Allyl chloride	1.989	41	71886	43.84	ug/L		96
18) Methylene Chloride	2.043	49	63175	38.51	ug/L		96
19) Acetone	2.043	43	42031	188.91	ug/L		95
20) Methyl acetate	2.119	43	126446	207.35	ug/L		98
21) trans-1,2-Dichloroethene	2.135	61	72030	40.53	ug/L		96
22) Hexane	2.196	56	46822	42.24	ug/L		88
23) Methyl Tert Butyl Ether	2.189	73	110926	40.69	ug/L		95
24) Acetonitrile	2.266	41	33755	383.57	ug/L		97
25) Tert Butyl Alcohol	2.204	59	26912	447.50	ug/L	#	70
26) Di-isopropyl ether	2.389	45	152451	42.48	ug/L		96
27) Chloroprene	2.435	53	144651	42.58	ug/L		96
28) 1,1-Dichloroethane	2.443	63	91115	39.58	ug/L		99
29) Acrylonitrile	2.435	52	75172	211.28	ug/L		97
30) ETBE	2.574	59	143956	43.44	ug/L		98
31) Vinyl acetate	2.558	43	470930	235.25	ug/L		99
32) cis-1,2-Dichloroethene	2.720	96	51690	38.26	ug/L		97
33) 2,2-Dichloropropane	2.781	77	71035	42.28	ug/L		99
34) Bromochloromethane	2.820	128	25016	37.34	ug/L		90
35) Cyclohexane	2.858	56	88733	41.62	ug/L		98
36) Chloroform	2.858	83	93224	39.12	ug/L		100
37) Ethyl acetate	2.912	43	178966	224.61	ug/L		99
38) Tetrahydrofuran	2.943	42	9971	41.43	ug/L		95
40) Carbon Tetrachloride	2.958	117	70629m	39.43	ug/L		
41) 1,1,1-Trichloroethane	2.982	97	79695	40.79	ug/L		98
42) 2-Butanone	2.997	43	75205	219.50	ug/L		97
43) 1,1-Dichloropropene	3.051	75	62343	40.03	ug/L		95
44) tert-Butyl formate	3.089	59	169950	272.82	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\092924\
Data File : 1A59533.D
Acq On : 29 Sep 2024 10:30 am
Operator : jeniferw
Sample : CC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57580,V1A3060,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 29 11:15:23 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45)	Propionitrile	3.135	54	46336	433.36	ug/L		98
46)	Methacrylonitrile	3.166	41	230384	438.65	ug/L		97
47)	Benzene	3.182	78	195788	39.38	ug/L		94
48)	TAME	3.243	73	113199	42.27	ug/L		96
50)	1,2-Dichloroethane	3.274	62	66647	39.83	ug/L		98
51)	Isobutyl Alcohol	3.251	43	64413	941.54	ug/L		90
52)	Tert Amyl Alcohol	3.320	59	20074	455.16	ug/L		97
53)	Trichloroethene	3.505	95	53923	38.56	ug/L		95
54)	Methylcyclohexane	3.528	83	84137	40.43	ug/L		98
55)	Dibromomethane	3.728	93	29331	38.02	ug/L		97
56)	1,2-Dichloropropane	3.790	63	50937	38.88	ug/L		97
57)	Bromodichloromethane	3.828	83	66625	40.37	ug/L		98
58)	Methyl methacrylate	3.913	41	31909	46.24	ug/L		93
59)	1,4-Dioxane	3.936	88	5319	957.29	ug/L		84
60)	2-Chloroethyl vinyl ether	4.159	63	113253	237.56	ug/L		94
61)	cis-1,3-Dichloropropene	4.205	75	75879	41.55	ug/L		94
64)	Toluene	4.367	91	206480	38.68	ug/L		99
65)	2-Nitropropane	4.459	41	49790	216.39	ug/L		98
66)	4-Methyl-2-pentanone	4.575	43	185013	223.42	ug/L		97
67)	trans-1,3-Dichloropropene	4.605	75	66839	38.21	ug/L		95
68)	Tetrachloroethene	4.629	166	55243	36.67	ug/L		97
69)	Ethyl methacrylate	4.729	69	44692	38.24	ug/L		95
70)	1,1,2-Trichloroethane	4.713	83	32079	39.64	ug/L		97
71)	Dibromochloromethane	4.836	129	45889	41.76	ug/L		98
72)	1,3-Dichloropropane	4.890	76	64288	39.65	ug/L		93
73)	1,2-Dibromoethane	4.990	107	37791	40.34	ug/L		99
74)	3,3-Dimethyl-1-Butanol	5.121	57	166049	2360.75	ug/L		100
75)	2-hexanone	5.136	43	151470	223.76	ug/L		90
76)	1-Chlorohexane	5.360	91	74281m	40.29	ug/L		
77)	Ethylbenzene	5.390	91	226706m	37.93	ug/L		
78)	Chlorobenzene	5.360	112	130085	37.98	ug/L		96
79)	1,1,1,2-Tetrachloroethane	5.406	131	46256	42.49	ug/L		98
80)	m,p-Xylene	5.498	91	364566	80.16	ug/L		99
81)	o-Xylene	5.798	91	182934	39.85	ug/L		98
82)	Styrene	5.829	104	131388	40.21	ug/L		97
83)	Bromoform	5.837	173	26975	43.82	ug/L		96
84)	Isopropylbenzene	6.037	105	211809	39.97	ug/L		99
87)	cis-1,4-Dichloro-2-butene	6.260	53	13533	47.36	ug/L		93
88)	n-Propylbenzene	6.345	91	259895	38.06	ug/L		96
89)	Bromobenzene	6.299	156	51385	36.66	ug/L		93
90)	1,1,2,2-Tetrachloroethane	6.368	83	39836	39.90	ug/L		98
91)	1,3,5-Trimethylbenzene	6.499	105	168771	39.53	ug/L		97
92)	2-Chlorotoluene	6.453	91	144635	38.25	ug/L		99
93)	trans-1,4-Dichloro-2-B...	6.499	53	16810	43.40	ug/L		93
94)	1,2,3-Trichloropropane	6.460	110	11349	39.84	ug/L		88
95)	Cyclohexanone	6.476	55	4830	226.40	ug/L		96
96)	4-Chlorotoluene	6.576	91	150949	38.79	ug/L		98
97)	tert-Butylbenzene	6.745	91	99322	38.58	ug/L		96
98)	1,2,4-Trimethylbenzene	6.799	105	159475	39.54	ug/L		96
99)	Pentachloroethane	6.745	167	29808	47.48	ug/L	#	66
100)	sec-Butylbenzene	6.884	105	205999	37.65	ug/L		98
101)	4-Isopropyltoluene	7.007	119	171176	38.78	ug/L		98
102)	1,3-Dichlorobenzene	7.030	146	89790	36.33	ug/L		96
103)	1,2,3-Trimethylbenzene	7.138	105	154470	38.02	ug/L		99
104)	1,4-Dichlorobenzene	7.099	146	89686	36.54	ug/L		96
105)	n-Butylbenzene	7.338	92	79811	35.92	ug/L		97
106)	Benzyl Chloride	7.291	126	13018	42.57	ug/L		95
107)	1,2-Dichlorobenzene	7.422	146	78163	36.47	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\092924\
Data File : 1A59533.D
Acq On : 29 Sep 2024 10:30 am
Operator : jeniferw
Sample : CC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57580,V1A3060,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 29 11:15:23 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration

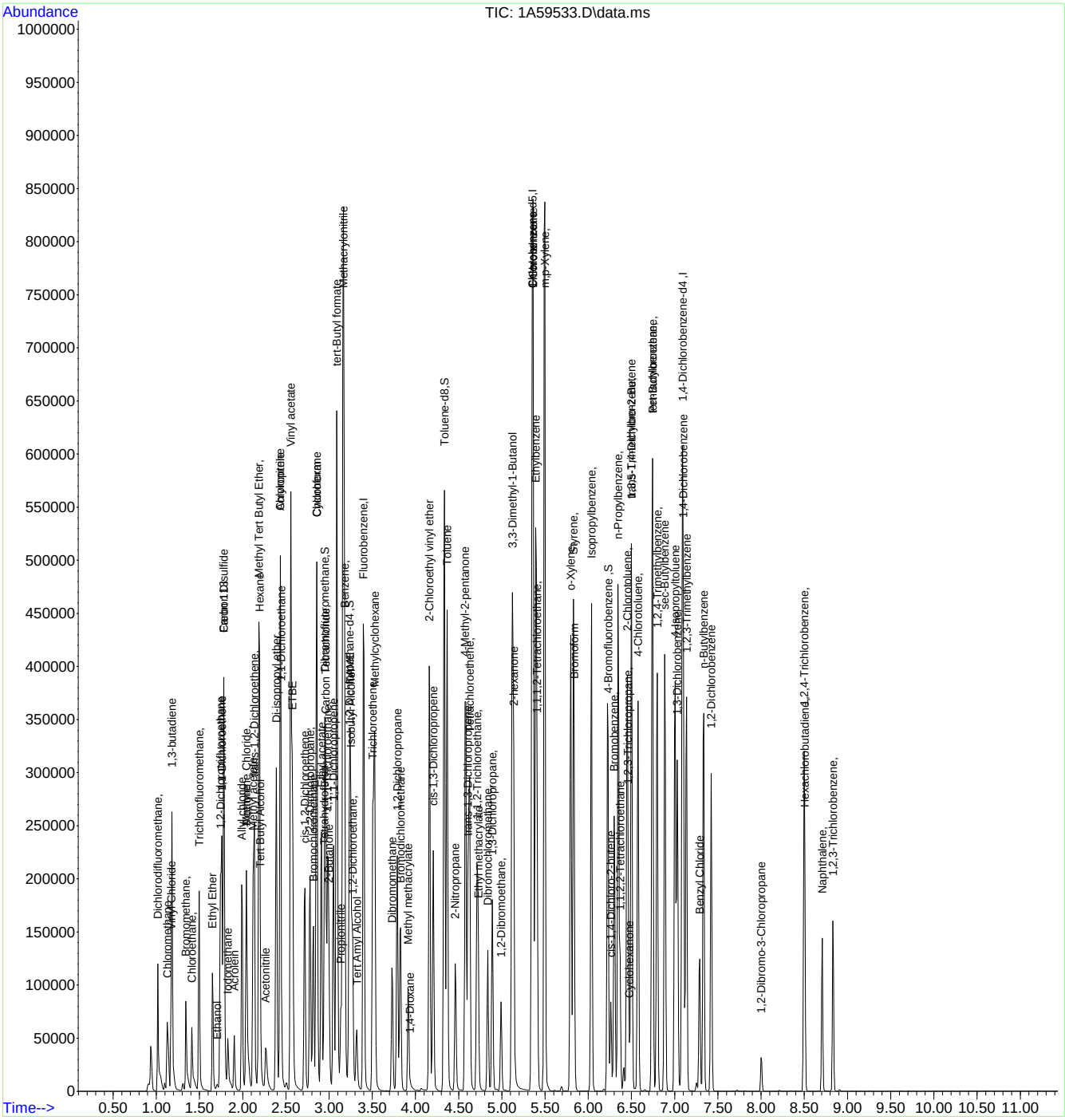
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) 1,2-Dibromo-3-Chloropr...	8.000	75	5414	42.23	ug/L	90
109) Hexachlorobutadiene	8.508	225	21100	36.70	ug/L	95
110) 1,2,4-Trichlorobenzene	8.500	180	39170	38.34	ug/L	94
111) Naphthalene	8.708	128	69738	38.18	ug/L	97
112) 1,2,3-Trichlorobenzene	8.831	180	30342	38.19	ug/L	96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\092924\
Data File : 1A59533.D
Acq On : 29 Sep 2024 10:30 am
Operator : jeniferw
Sample : CC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57580,V1A3060,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 29 11:15:23 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration



Manual Integration Approval Summary

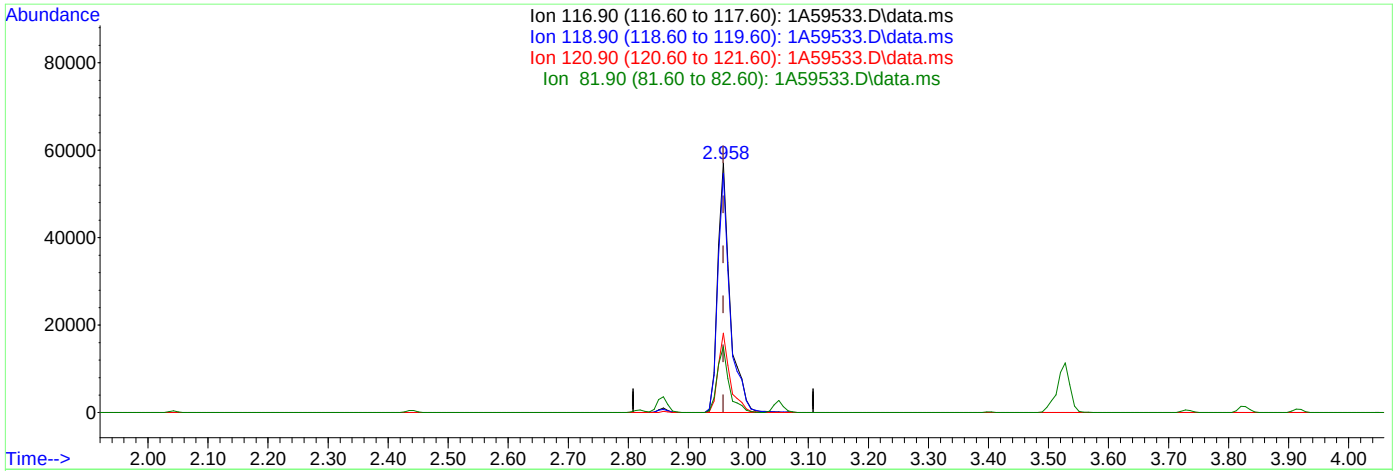
Sample Number: V1A3060-CC3047 **Method:** SW846 8260D
Lab FileID: 1A59533.D **Analyst approved:** 09/29/24 12:23 Jenifer Willis
Injection Time: 09/29/24 10:30 **Supervisor approved:** 09/30/24 12:24 Karen Watson

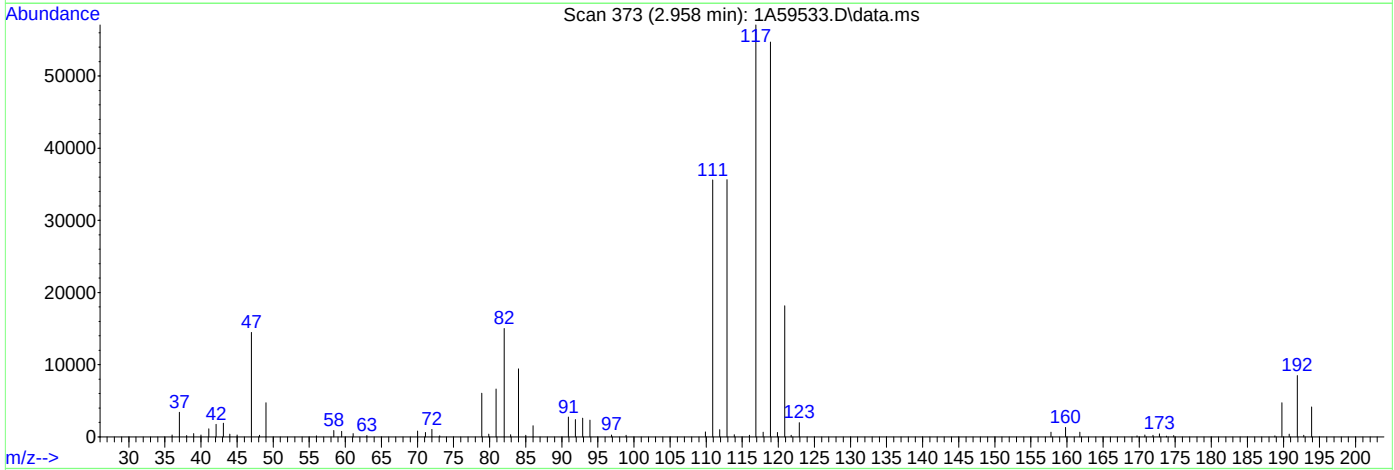
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		2.96	Overlapping peak
1-Chlorohexane	544-10-5		5.36	Poorly defined baseline
Ethylbenzene	100-41-4		5.39	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\092924\
Data File : 1A59533.D
Acq On : 29 Sep 2024 10:30 am
Operator : jeniferw
Sample : CC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57580,V1A3060,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 29 11:14:52 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration





TIC: 1A59533.D\data.ms

(40) Carbon Tetrachloride ( )

2.958min (-0.000) 45.50ug/L

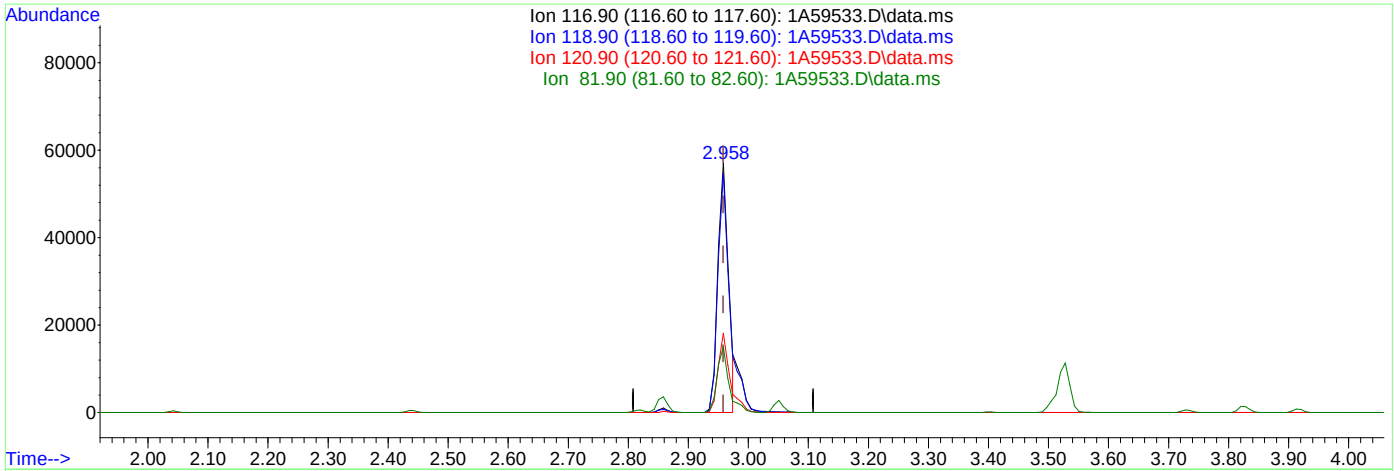
response 81500

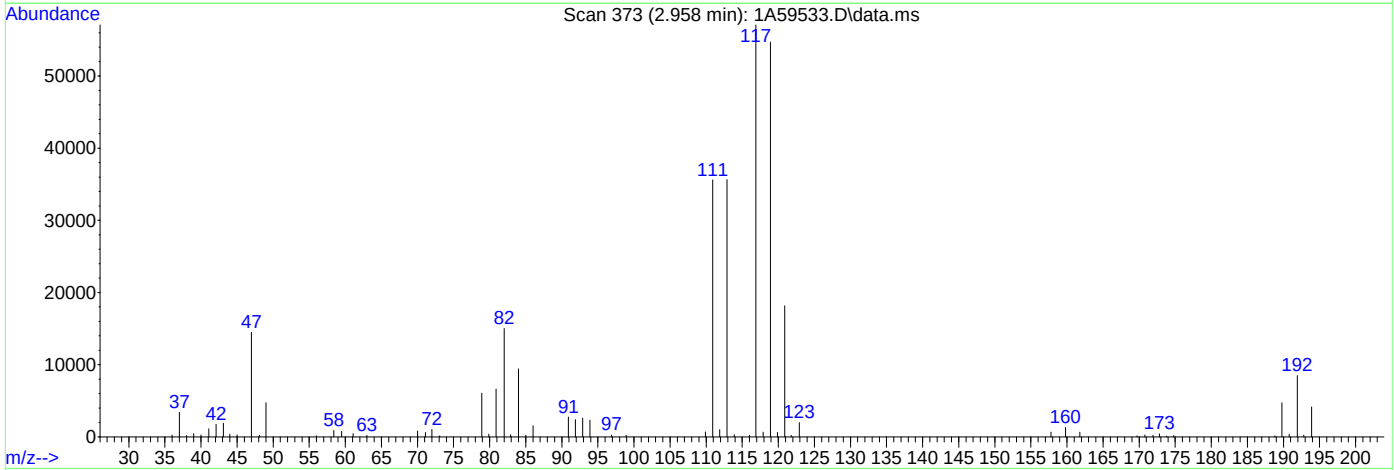
Ion	Exp%	Act%
116.90	100	100
118.90	97.80	95.80
120.90	30.90	31.83
81.90	25.10	26.27

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\092924\
Data File : 1A59533.D
Acq On : 29 Sep 2024 10:30 am
Operator : jeniferw
Sample : CC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57580,V1A3060,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 29 11:14:52 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration





TIC: 1A59533.D\data.ms

(40) Carbon Tetrachloride ( )

2.958min (-0.000) 39.43ug/L m

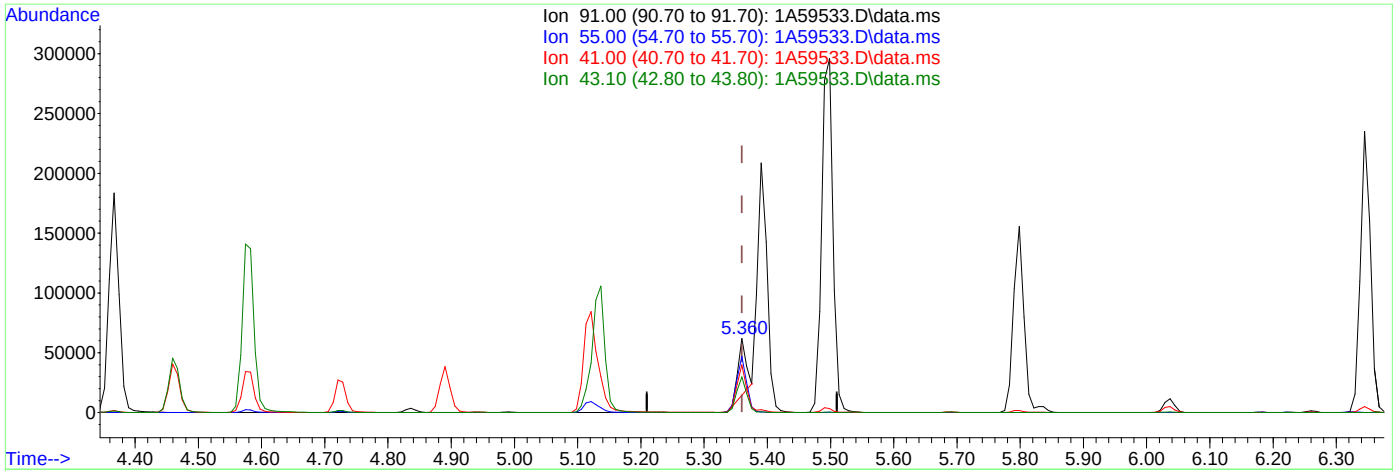
response 70629

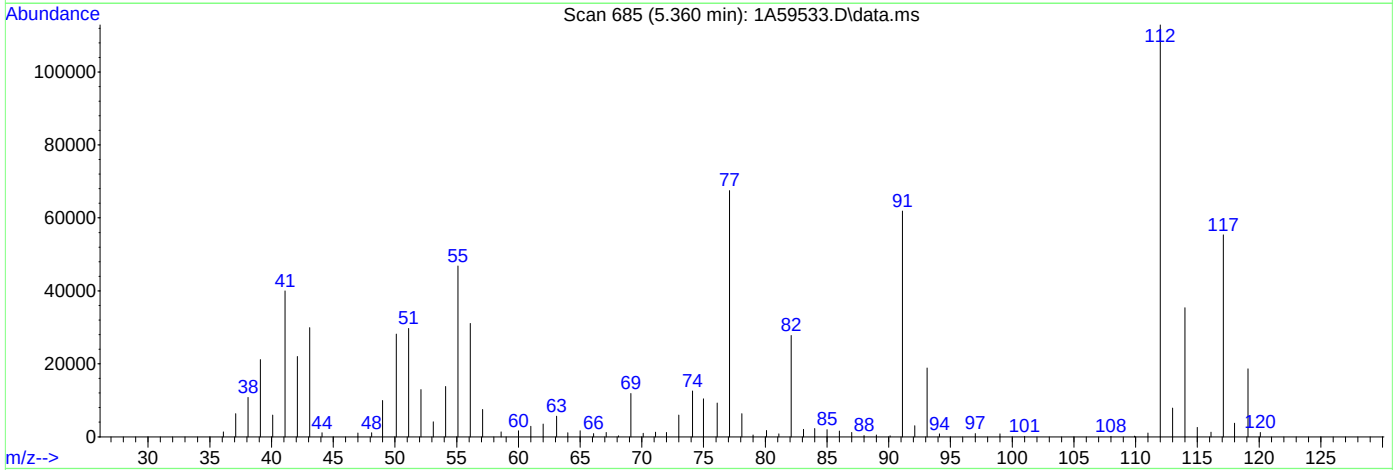
Ion	Exp%	Act%
116.90	100	100
118.90	97.80	95.80
120.90	30.90	31.83
81.90	25.10	26.27

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\092924\
Data File : 1A59533.D
Acq On : 29 Sep 2024 10:30 am
Operator : jeniferw
Sample : CC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57580,V1A3060,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 29 11:14:52 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration





TIC: 1A59533.D\data.ms

(76) 1-Chlorohexane

5.360min (-0.000) 25.73ug/L

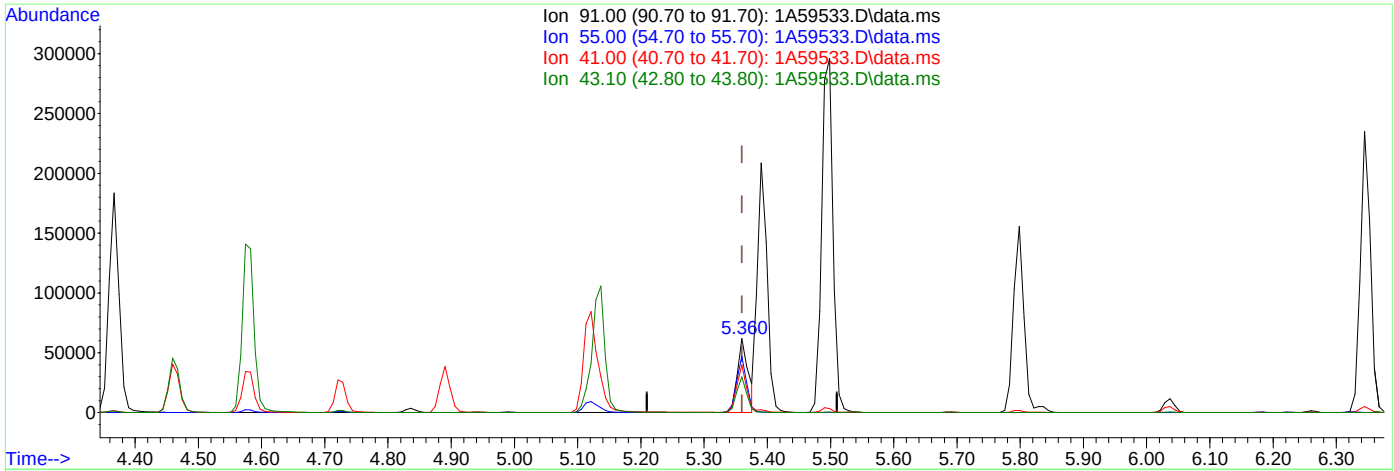
response 47442

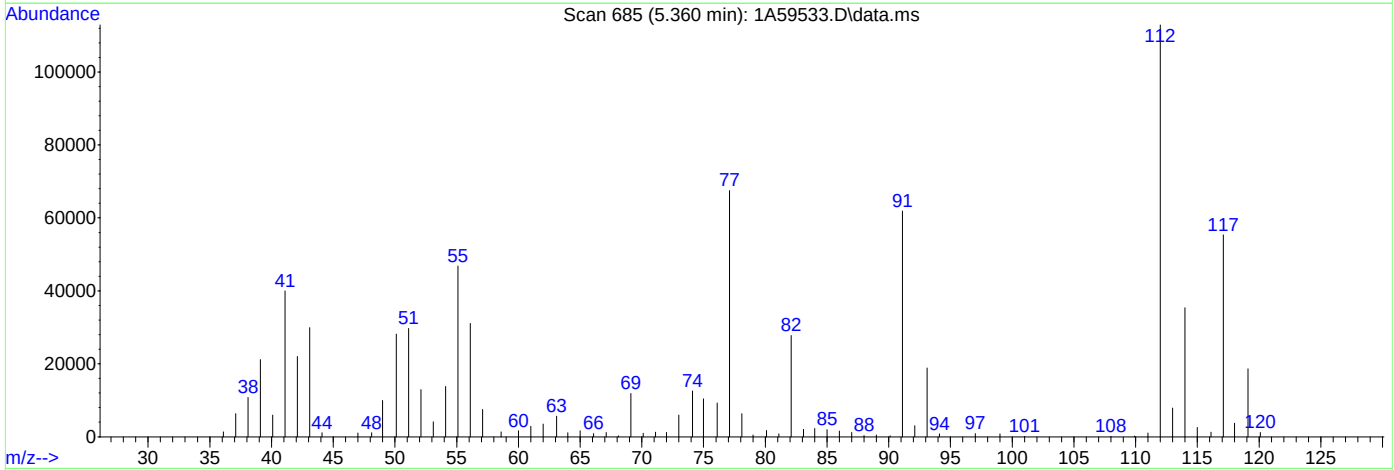
Ion	Exp%	Act%
91.00	100	100
55.00	69.60	73.39
41.00	56.40	62.66
43.10	42.00	46.62

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\092924\
Data File : 1A59533.D
Acq On : 29 Sep 2024 10:30 am
Operator : jeniferw
Sample : CC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57580,V1A3060,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 29 11:14:52 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration





TIC: 1A59533.D\data.ms

(76) 1-Chlorohexane

5.360min (-0.000) 40.29ug/L m

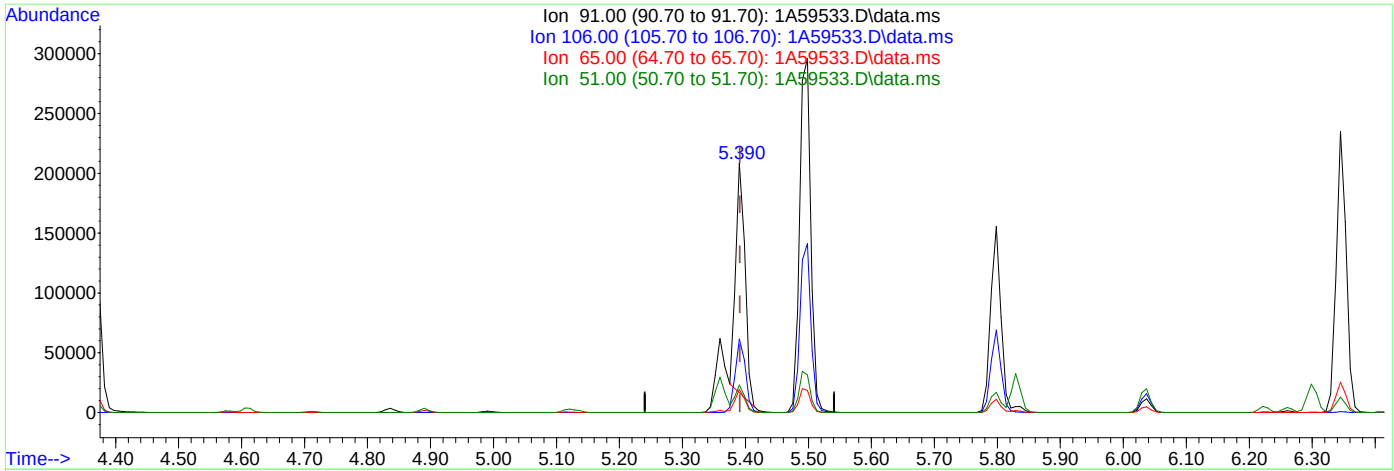
response 74281

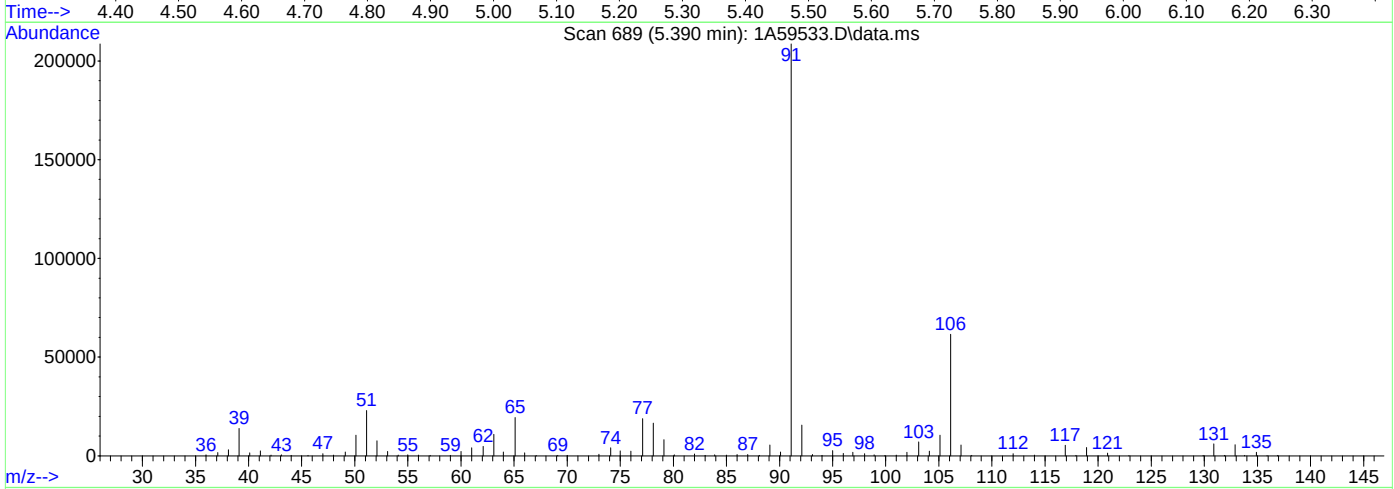
Ion	Exp%	Act%
91.00	100	100
55.00	69.60	75.73
41.00	56.40	64.62
43.10	42.00	48.34

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\092924\
Data File : 1A59533.D
Acq On : 29 Sep 2024 10:30 am
Operator : jeniferw
Sample : CC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57580,V1A3060,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 29 11:14:52 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration





TIC: 1A59533.D\data.ms

(77) Ethylbenzene

5.390min (-0.001) 32.00ug/L

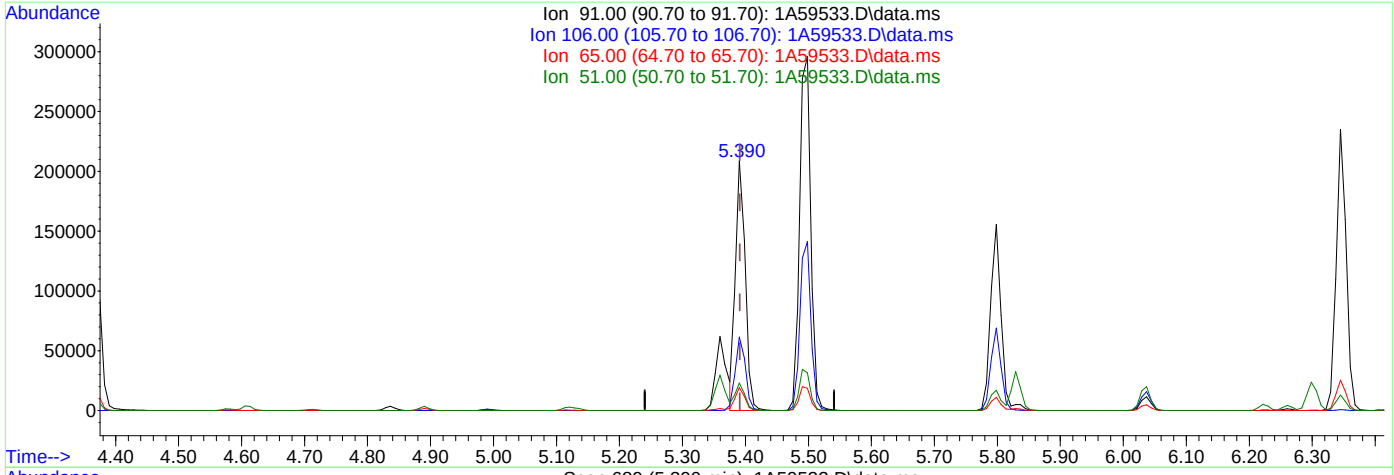
response 191297

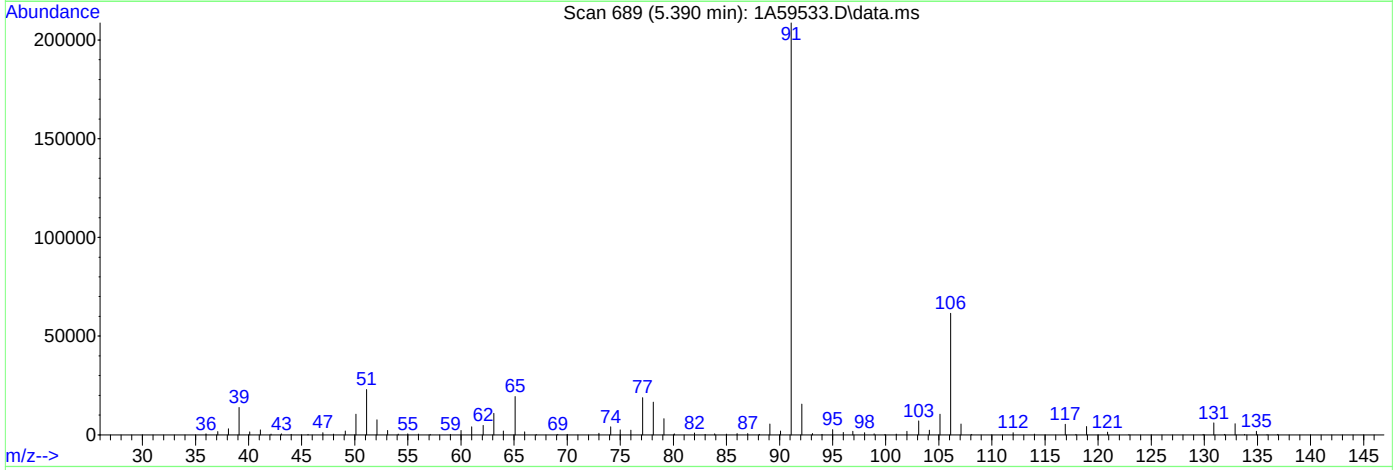
Ion	Exp%	Act%
91.00	100	100
106.00	30.40	29.45
65.00	8.50	9.22
51.00	10.30	10.87

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\092924\
Data File : 1A59533.D
Acq On : 29 Sep 2024 10:30 am
Operator : jeniferw
Sample : CC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57580,V1A3060,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 29 11:14:52 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration





TIC: 1A59533.D\data.ms

(77) Ethylbenzene

5.390min (-0.001) 37.93ug/L m

response 226706

Ion	Exp%	Act%
91.00	100	100
106.00	30.40	29.48
65.00	8.50	9.26
51.00	10.30	11.01

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/30/24 12:24

Quantitation Report (QT Reviewed)

Data Path : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\
Data File : 1A59560.d
Acq On : 29 Sep 2024 9:28 pm
Operator : jeniferw
Sample : ECC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57599,V1A3060,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 30 02:34:41 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\method\V1A3047_09182024
... .M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.397	96	256847	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.352	117	179703	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.091	152	92270	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	2.951	113	72426	49.43	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.86%			
49) 1,2-Dichloroethane-d4	3.228	65	84479	52.43	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 104.86%			
63) Toluene-d8	4.336	98	250806	49.57	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 99.14%			
86) 4-Bromofluorobenzene	6.229	174	77468	51.02	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.04%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.011	85	71068	49.8387	ug/L	100
3) Chloromethane	1.119	50	60368	46.2720	ug/L	97
4) 1,3-butadiene	1.180	39	50959	43.3466	ug/L	96
5) Vinyl Chloride	1.165	62	63453	44.1540	ug/L	99
6) Bromomethane	1.342	94	32691	42.3331	ug/L	99
7) Chloroethane	1.411	64	35986	36.7908	ug/L	99
8) Trichlorofluoromethane	1.488	101	87662	40.0620	ug/L	99
9) Ethyl Ether	1.650	59	41930	46.1191	ug/L	97
10) Ethanol	1.696	45	5898m	846.3716	ug/L	
11) 1,2-Dichlorotrifluoroe...	1.734	67	66324	43.9199	ug/L	95
12) 1,1-Dichloroethene	1.750	61	87231	48.2082	ug/L	91
13) Freon 113	1.781	101	53407	44.3642	ug/L	97
14) Carbon Disulfide	1.773	76	164094	45.0111	ug/L	94
15) Iodomethane	1.827	142	52135	56.6369	ug/L	99
16) Acrolein	1.896	56	24517	187.2231	ug/L	97
17) Allyl chloride	1.988	41	79949	48.2225	ug/L	98
18) Methylene Chloride	2.035	49	76071	45.8624	ug/L	92
19) Acetone	2.042	43	43937	195.2936	ug/L	100
20) Methyl acetate	2.112	43	147636	239.4164	ug/L	95
21) trans-1,2-Dichloroethene	2.127	61	85678	47.6736	ug/L	91
22) Hexane	2.189	56	51537	45.9750	ug/L	96
23) Methyl Tert Butyl Ether	2.181	73	133816	48.5382	ug/L #	64
24) Acetonitrile	2.266	41	33539	376.3927	ug/L	97
25) Tert Butyl Alcohol	2.196	59	25091	412.6011	ug/L #	1
26) Di-isopropyl ether	2.381	45	187777	51.7437	ug/L	97
27) Chloroprene	2.427	53	163330	47.5449	ug/L	92
28) 1,1-Dichloroethane	2.435	63	110083	47.2954	ug/L	99
29) Acrylonitrile	2.427	52	84896	235.9651	ug/L	88
30) ETBE	2.573	59	174552	52.0955	ug/L	98
31) Vinyl acetate	2.550	43	494892	244.4897	ug/L	98
32) cis-1,2-Dichloroethene	2.712	96	61870	45.2848	ug/L	97
33) 2,2-Dichloropropane	2.773	77	78815	46.3970	ug/L	97
34) Bromochloromethane	2.812	128	31184	46.0360	ug/L #	79
35) Cyclohexane	2.858	56	102185	47.4021	ug/L	97
36) Chloroform	2.850	83	113935	47.2834	ug/L	98
37) Ethyl acetate	2.904	43	196517	243.9056	ug/L	99
38) Tetrahydrofuran	2.935	42	11513	47.3109	ug/L	94
40) Carbon Tetrachloride	2.958	117	85645m	47.2886	ug/L	
41) 1,1,1-Trichloroethane	2.981	97	95381	48.2765	ug/L	98
42) 2-Butanone	2.997	43	79594	229.7353	ug/L	98
43) 1,1-Dichloropropene	3.051	75	73075	46.4150	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\
Data File : 1A59560.d
Acq On : 29 Sep 2024 9:28 pm
Operator : jeniferw
Sample : ECC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57599,V1A3060,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 30 02:34:41 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\method\V1A3047_09182024
... .M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	tert-Butyl formate	3.089	59	171631	272.5038	ug/L		98
45)	Propionitrile	3.135	54	47573	440.0096	ug/L		98
46)	Methacrylonitrile	3.158	41	259208	488.0698	ug/L		99
47)	Benzene	3.174	78	236487	47.0430	ug/L		99
48)	TAME	3.243	73	134284	49.5938	ug/L		96
50)	1,2-Dichloroethane	3.266	62	81814	48.3505	ug/L		97
51)	Isobutyl Alcohol	3.243	43	70467	1018.6395	ug/L		98
52)	Tert Amyl Alcohol	3.312	59	18481	417.5415	ug/L		98
53)	Trichloroethene	3.505	95	64733	45.7797	ug/L		98
54)	Methylcyclohexane	3.528	83	98813	46.9530	ug/L		96
55)	Dibromomethane	3.728	93	35985	46.1343	ug/L		99
56)	1,2-Dichloropropane	3.789	63	62417	47.1097	ug/L		96
57)	Bromodichloromethane	3.820	83	82885	49.6625	ug/L		97
58)	Methyl methacrylate	3.913	41	34992	50.1456	ug/L		95
59)	1,4-Dioxane	3.936	88	4708	837.9486	ug/L		92
60)	2-Chloroethyl vinyl ether	4.159	63	126881	260.4915	ug/L		94
61)	cis-1,3-Dichloropropene	4.205	75	92157	49.9060	ug/L		95
64)	Toluene	4.367	91	249241	46.0189	ug/L		100
65)	2-Nitropropane	4.459	41	55521	237.8266	ug/L		98
66)	4-Methyl-2-pentanone	4.574	43	198343	236.0727	ug/L		98
67)	trans-1,3-Dichloropropene	4.605	75	80793	45.5204	ug/L		96
68)	Tetrachloroethene	4.628	166	81033	53.0222	ug/L		97
69)	Ethyl methacrylate	4.721	69	51446	43.3870	ug/L		93
70)	1,1,2-Trichloroethane	4.713	83	38422	46.7977	ug/L		95
71)	Dibromochloromethane	4.836	129	56336	50.5304	ug/L		97
72)	1,3-Dichloropropane	4.890	76	78224	47.5486	ug/L		96
73)	1,2-Dibromoethane	4.990	107	45455	47.8261	ug/L		99
74)	3,3-Dimethyl-1-Butanol	5.121	57	164950	2319.5331	ug/L		100
75)	2-hexanone	5.136	43	158457	230.7131	ug/L		89
76)	1-Chlorohexane	5.359	91	86755m	46.3764	ug/L		
77)	Ethylbenzene	5.390	91	274089m	45.1935	ug/L		
78)	Chlorobenzene	5.359	112	157903	45.4445	ug/L		97
79)	1,1,1,2-Tetrachloroethane	5.406	131	56415	51.0736	ug/L		97
80)	m,p-Xylene	5.498	91	438853	95.1108	ug/L		98
81)	o-Xylene	5.798	91	221612	47.5799	ug/L		98
82)	Styrene	5.829	104	161579	48.7430	ug/L		96
83)	Bromoform	5.837	173	31739	50.8177	ug/L		95
84)	Isopropylbenzene	6.037	105	254297	47.3008	ug/L		99
87)	cis-1,4-Dichloro-2-butene	6.260	53	14690	52.4783	ug/L		96
88)	n-Propylbenzene	6.345	91	310570	46.4195	ug/L		98
89)	Bromobenzene	6.298	156	62999	45.8825	ug/L		87
90)	1,1,2,2-Tetrachloroethane	6.368	83	46129	47.1577	ug/L		99
91)	1,3,5-Trimethylbenzene	6.499	105	206868	49.4508	ug/L		97
92)	2-Chlorotoluene	6.452	91	174981	47.2281	ug/L		99
93)	trans-1,4-Dichloro-2-B...	6.499	53	19147	50.4544	ug/L		92
94)	1,2,3-Trichloropropane	6.460	110	13219	47.3624	ug/L		88
95)	Cyclohexanone	6.475	55	4663	223.0970	ug/L		89
96)	4-Chlorotoluene	6.575	91	183373	48.1035	ug/L		97
97)	tert-Butylbenzene	6.745	91	123035	48.7791	ug/L		97
98)	1,2,4-Trimethylbenzene	6.799	105	195952	49.5953	ug/L		96
99)	Pentachloroethane	6.745	167	24210	39.3590	ug/L	#	70
100)	sec-Butylbenzene	6.883	105	252921	47.1880	ug/L		98
101)	4-Isopropyltoluene	7.007	119	210238	48.6104	ug/L		98
102)	1,3-Dichlorobenzene	7.030	146	108731	44.9028	ug/L		97
103)	1,2,3-Trimethylbenzene	7.137	105	188626	47.3855	ug/L		99
104)	1,4-Dichlorobenzene	7.099	146	109353	45.4752	ug/L		95
105)	n-Butylbenzene	7.337	92	96629	44.3894	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\
Data File : 1A59560.d
Acq On : 29 Sep 2024 9:28 pm
Operator : jeniferw
Sample : ECC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57599,V1A3060,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 30 02:34:41 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\method\V1A3047_09182024
... .M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration

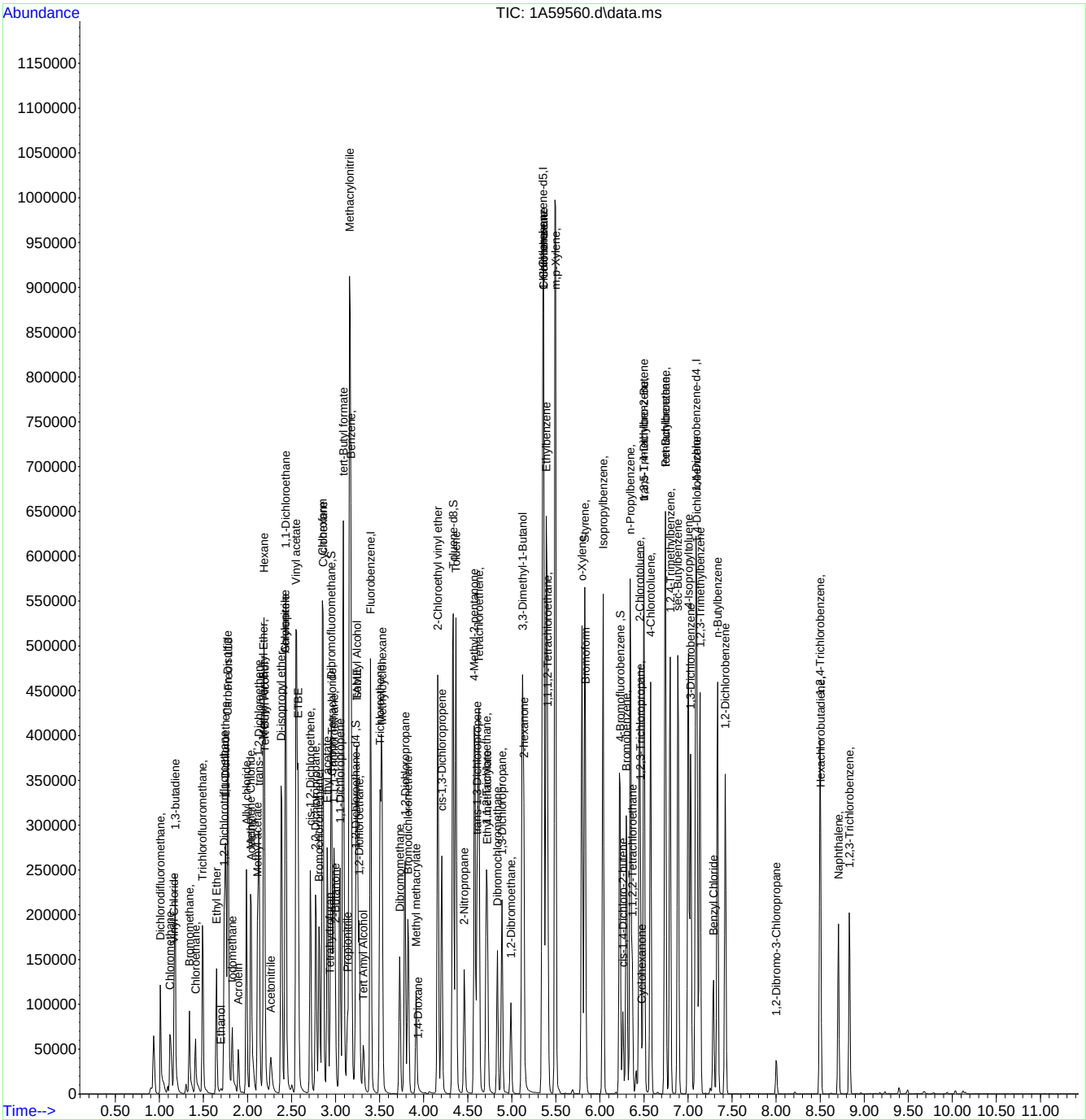
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
106) Benzyl Chloride	7.291	126	12921	43.0746	ug/L	95
107) 1,2-Dichlorobenzene	7.422	146	96229	45.8259	ug/L	97
108) 1,2-Dibromo-3-Chloropr...	7.999	75	6469	51.4990	ug/L	89
109) Hexachlorobutadiene	8.507	225	24854	44.1263	ug/L	94
110) 1,2,4-Trichlorobenzene	8.500	180	48574	48.5270	ug/L	95
111) Naphthalene	8.707	128	91303	49.4571	ug/L	100
112) 1,2,3-Trichlorobenzene	8.831	180	39023	50.1352	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\
Data File : 1A59560.d
Acq On : 29 Sep 2024 9:28 pm
Operator : jeniferw
Sample : ECC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57599,V1A3060,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 30 02:34:41 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\method\V1A3047_09182024
... .M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration



Manual Integration Approval Summary

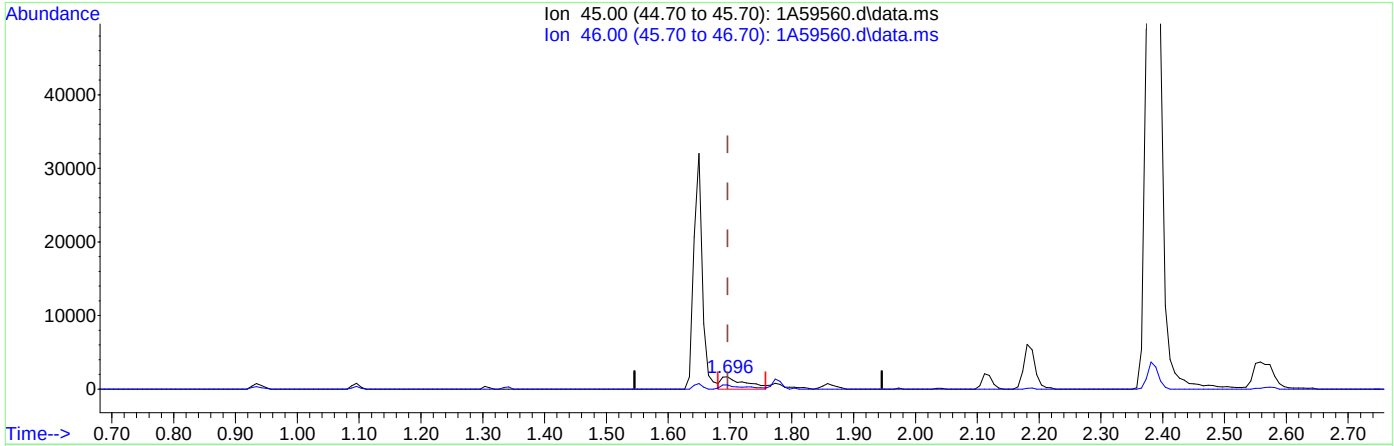
Sample Number: V1A3060-ECC3047 **Method:** SW846 8260D
Lab FileID: 1A59560.D **Analyst approved:** 09/29/24 23:14 Jhenelle Bondal
Injection Time: 09/29/24 21:28 **Supervisor approved:** 09/30/24 12:24 Karen Watson

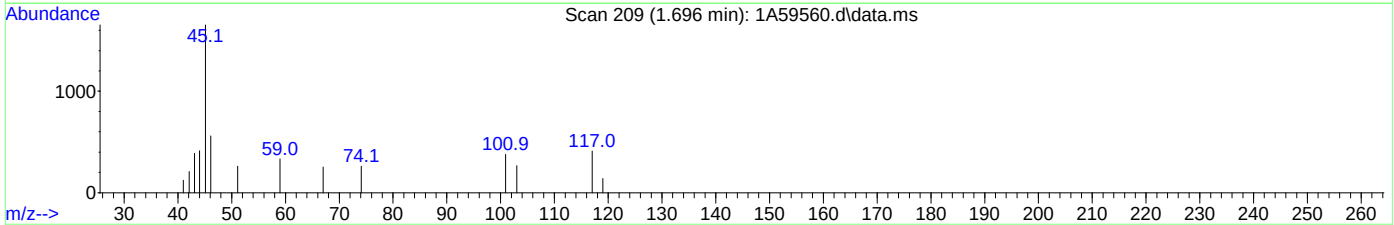
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		1.70	Poorly defined baseline
Carbon Tetrachloride	56-23-5		2.96	Overlapping peak
1-Chlorohexane	544-10-5		5.36	Overlapping peak
Ethylbenzene	100-41-4		5.39	Overlapping peak

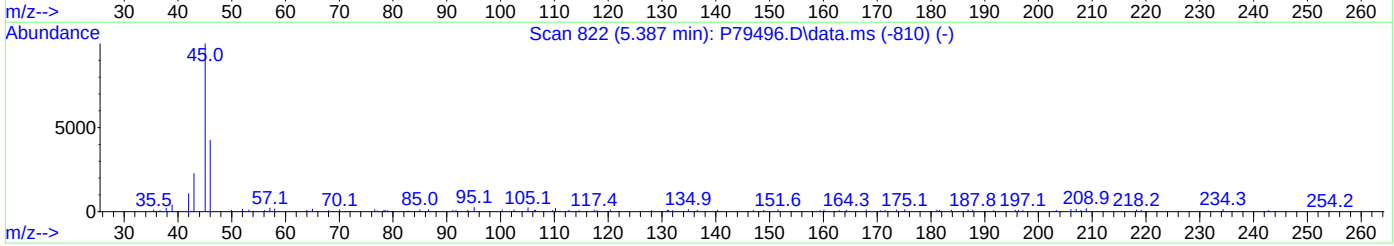
Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\
Data File : 1A59560.d
Acq On : 29 Sep 2024 9:28 pm
Operator : jeniferw
Sample : ECC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57599,V1A3060,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 30 02:10:23 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\method\V1A3047_09182024
... .M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration







TIC: 1A59560.d\data.ms

(10) Ethanol

1.696min (0.000) 638.84ug/L

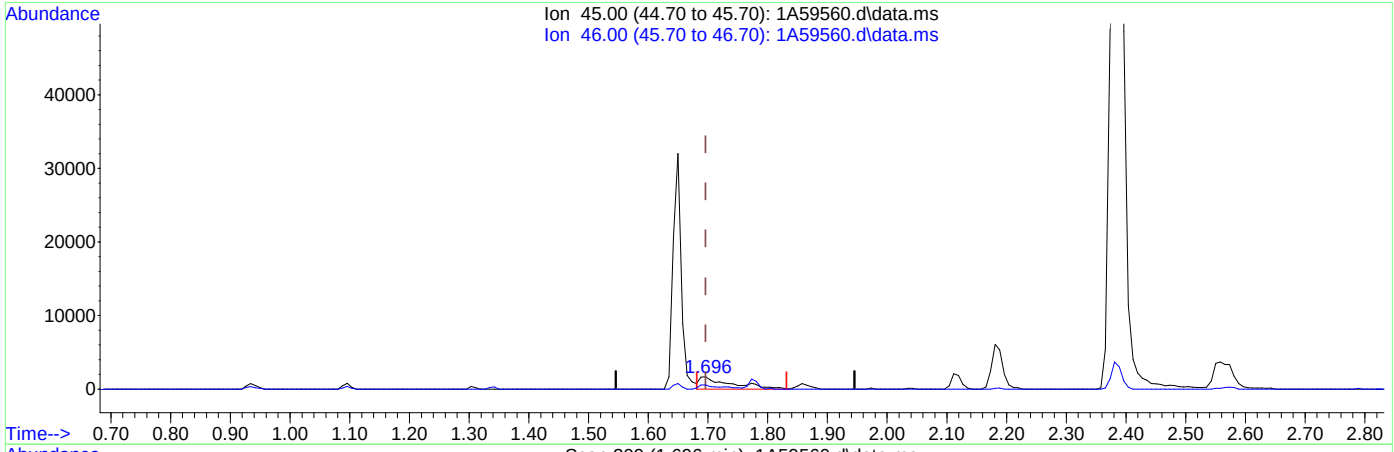
response 4437

Ion	Exp%	Act%
45.00	100	100
46.00	35.50	37.13
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\
Data File : 1A59560.d
Acq On : 29 Sep 2024 9:28 pm
Operator : jeniferw
Sample : ECC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57599,V1A3060,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 30 02:10:23 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\method\V1A3047_09182024
... .M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration



TIC: 1A59560.d\data.ms

(10) Ethanol

1.696min (0.000) 846.37ug/L m

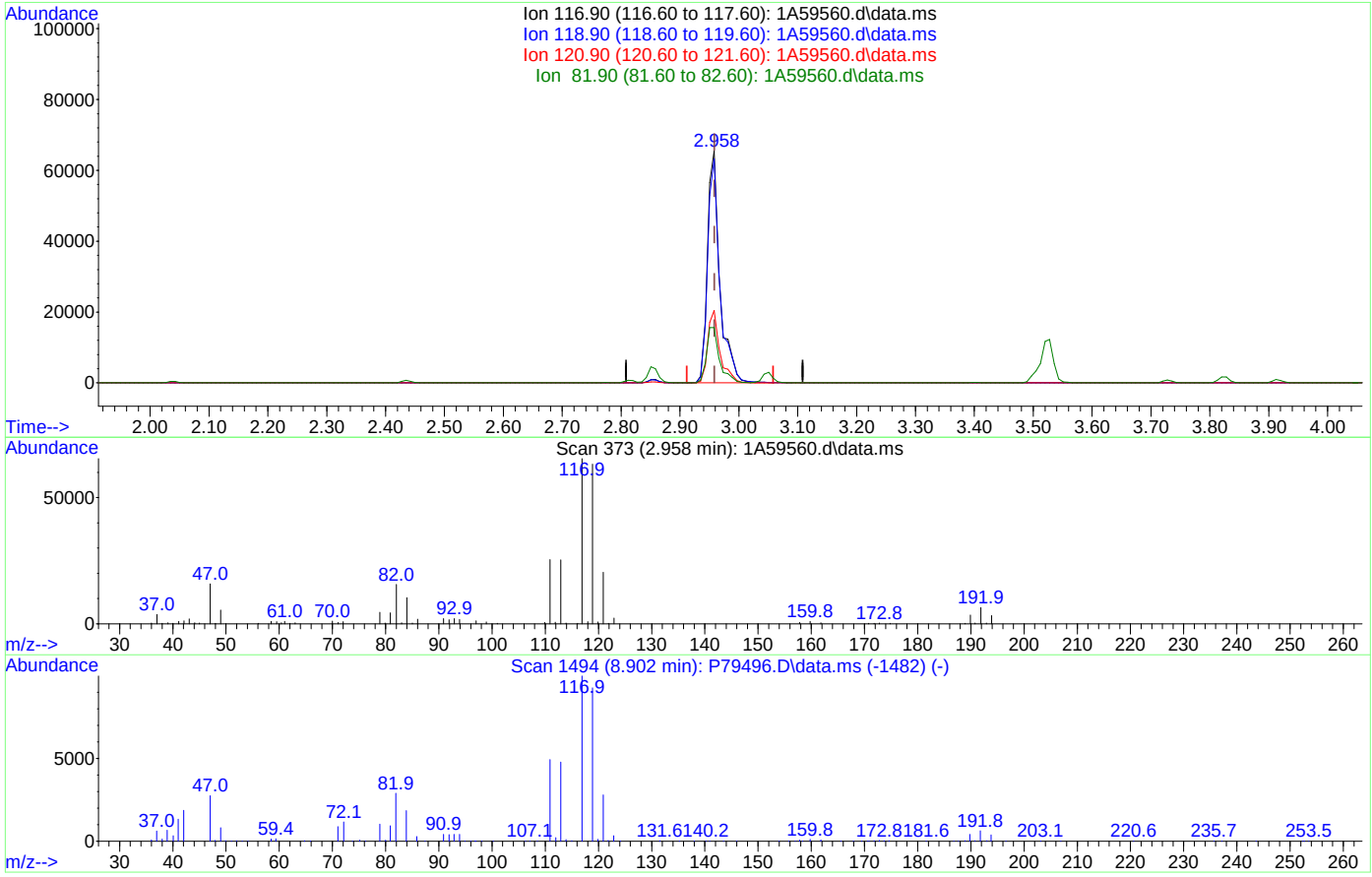
response 5898

Ion	Exp%	Act%
45.00	100	100
46.00	35.50	33.80
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\
Data File : 1A59560.d
Acq On : 29 Sep 2024 9:28 pm
Operator : jeniferw
Sample : ECC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57599,V1A3060,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 30 02:10:23 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\method\V1A3047_09182024
... .M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration



TIC: 1A59560.d\data.ms

(40) Carbon Tetrachloride ( )

2.958min (-0.000) 53.51ug/L

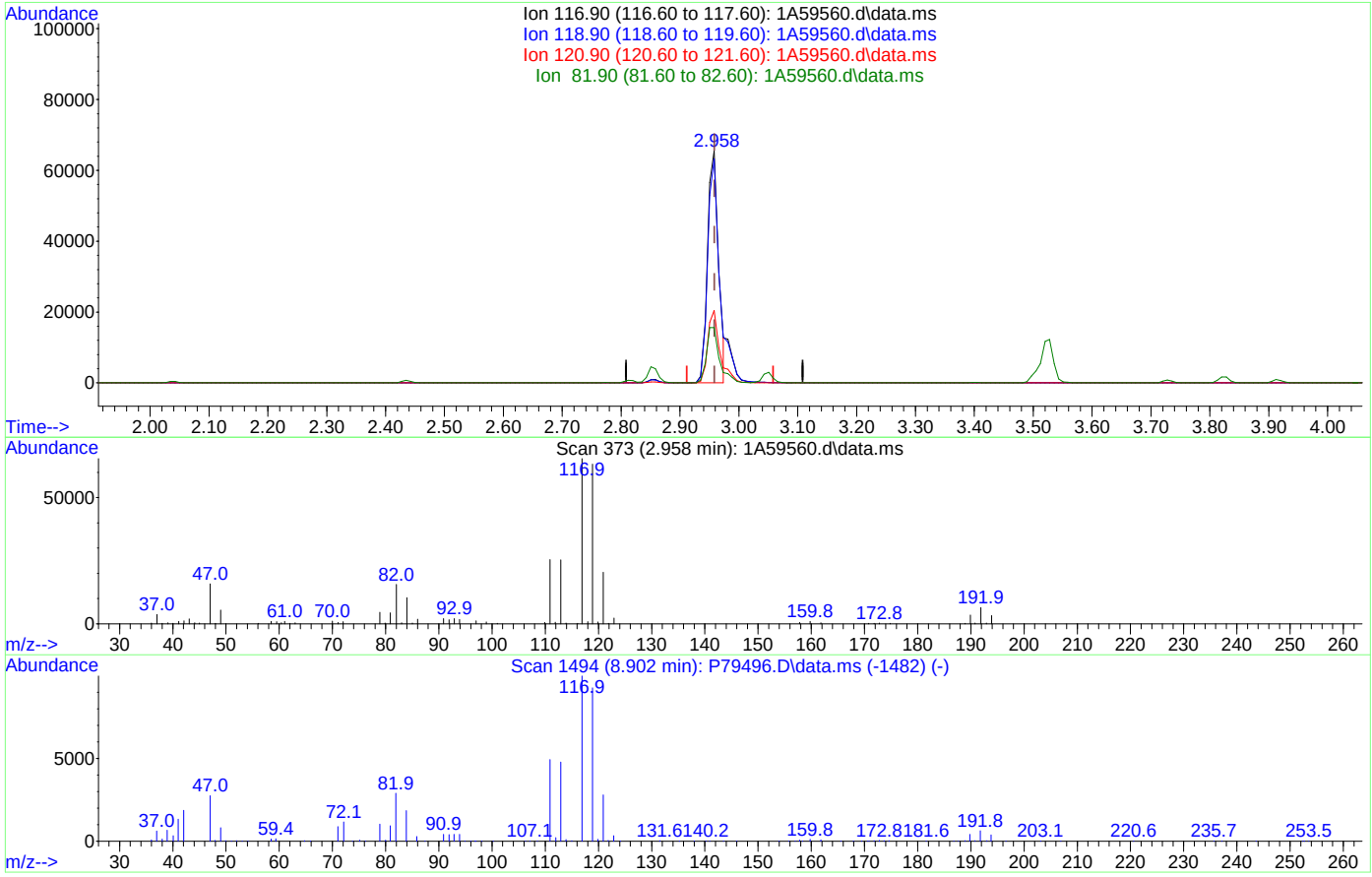
response 96905

Ion	Exp%	Act%
116.90	100	100
118.90	97.80	96.66
120.90	30.90	31.19
81.90	25.10	23.82

Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\
Data File : 1A59560.d
Acq On : 29 Sep 2024 9:28 pm
Operator : jeniferw
Sample : ECC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57599,V1A3060,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 30 02:10:23 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\method\V1A3047_09182024
... .M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration



TIC: 1A59560.d\data.ms

(40) Carbon Tetrachloride ( )

2.958min (-0.000) 47.29ug/L m

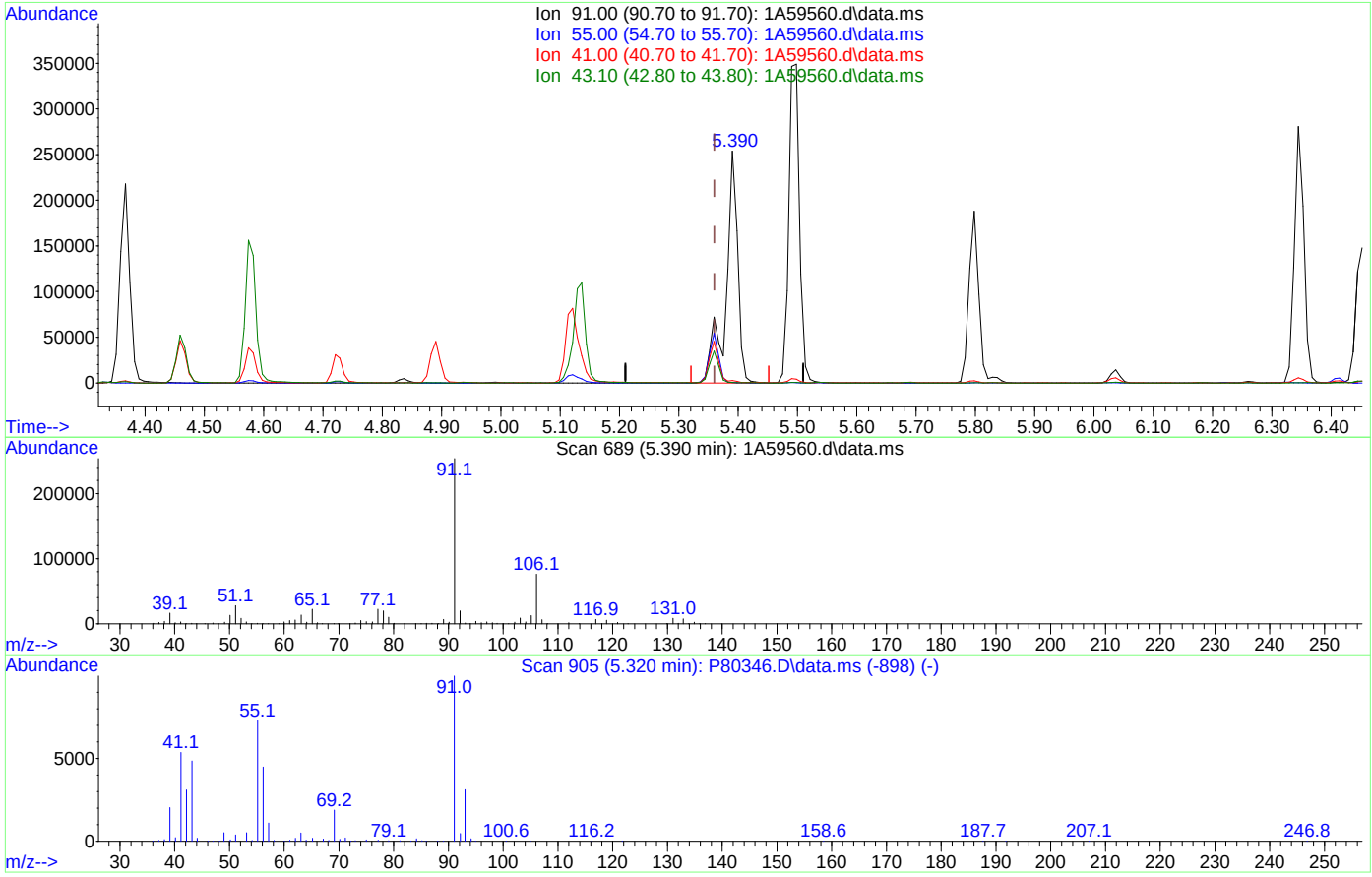
response 85645

Ion	Exp%	Act%
116.90	100	100
118.90	97.80	96.66
120.90	30.90	31.19
81.90	25.10	23.82

Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\
Data File : 1A59560.d
Acq On : 29 Sep 2024 9:28 pm
Operator : jeniferw
Sample : ECC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57599,V1A3060,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 30 02:10:23 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\method\V1A3047_09182024
... .M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration



TIC: 1A59560.d\data.ms

(76) 1-Chlorohexane

5.390min (+0.030) 192.89ug/L

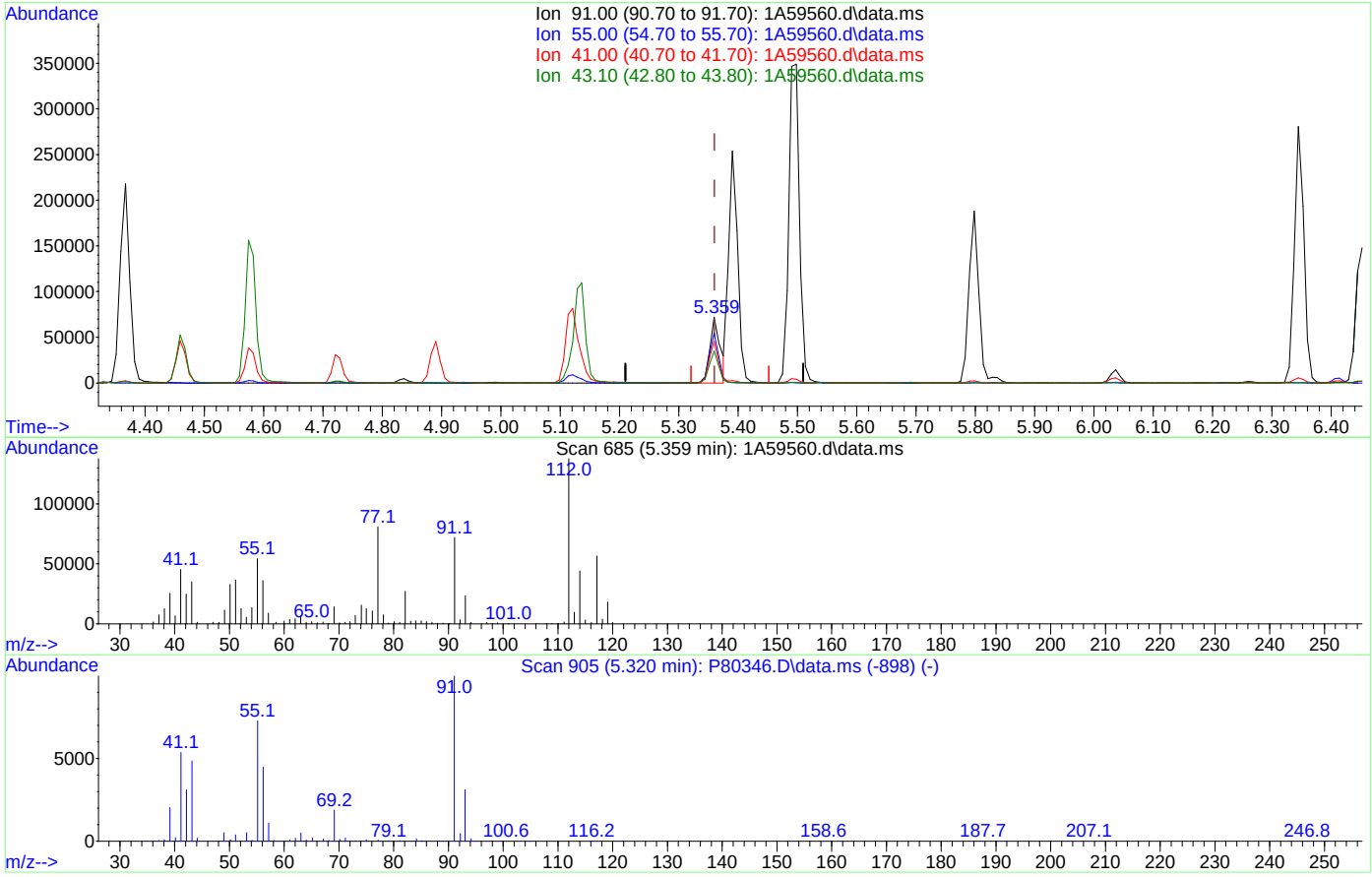
response 360838

Ion	Exp%	Act%
91.00	100	100
55.00	69.60	0.20#
41.00	56.40	0.97#
43.10	42.00	0.19#

Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\
Data File : 1A59560.d
Acq On : 29 Sep 2024 9:28 pm
Operator : jeniferw
Sample : ECC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57599,V1A3060,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 30 02:10:23 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\method\V1A3047_09182024
... .M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration



TIC: 1A59560.d\data.ms

(76) 1-Chlorohexane

5.359min (-0.001) 46.38ug/L m

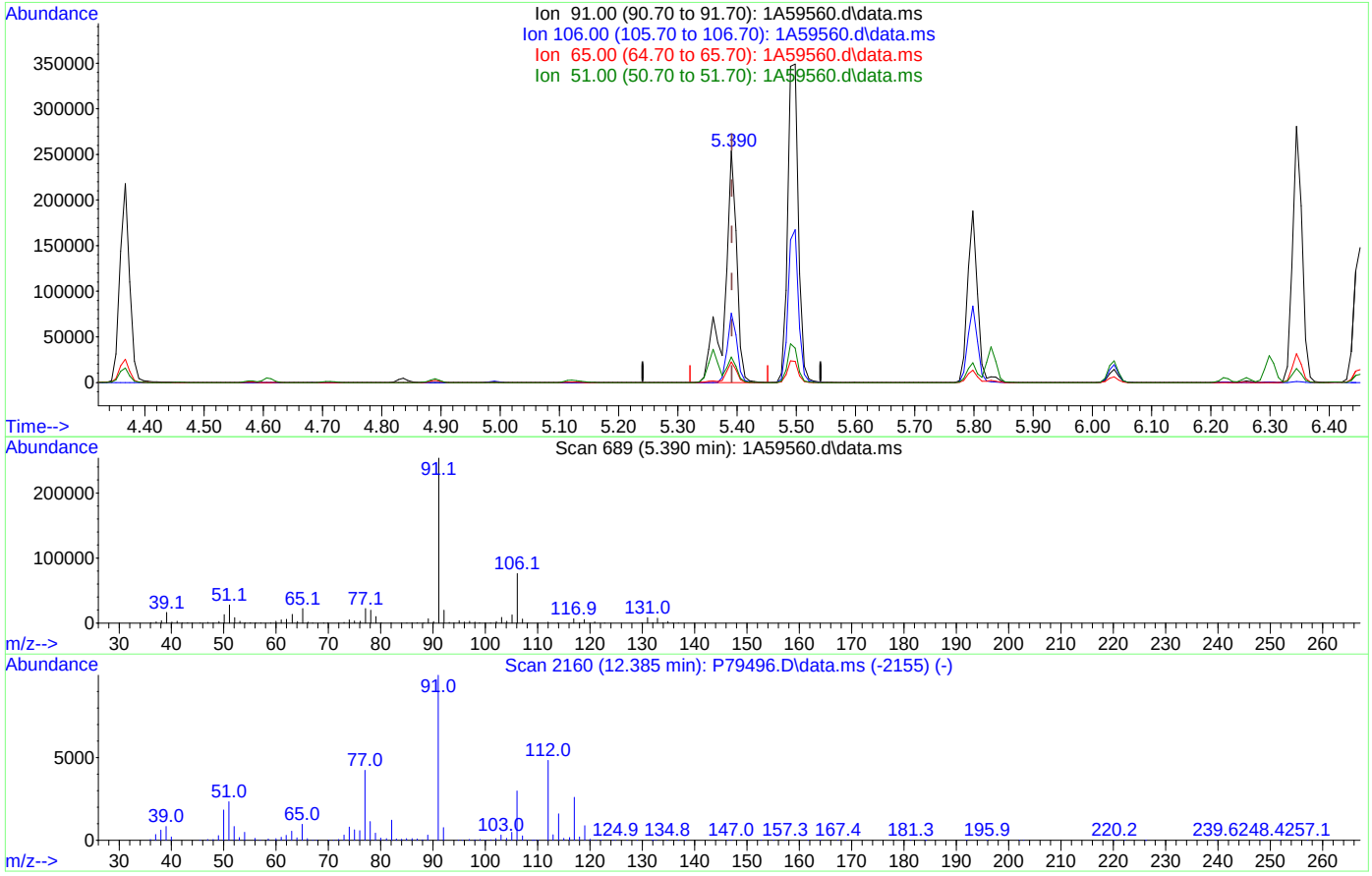
response 86755

Ion	Exp%	Act%
91.00	100	100
55.00	69.60	75.44
41.00	56.40	62.89
43.10	42.00	48.56

Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\
Data File : 1A59560.d
Acq On : 29 Sep 2024 9:28 pm
Operator : jeniferw
Sample : ECC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57599,V1A3060,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 30 02:10:23 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\method\V1A3047_09182024
... .M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration



TIC: 1A59560.d\data.ms

(77) Ethylbenzene

5.390min (-0.001) 59.50ug/L

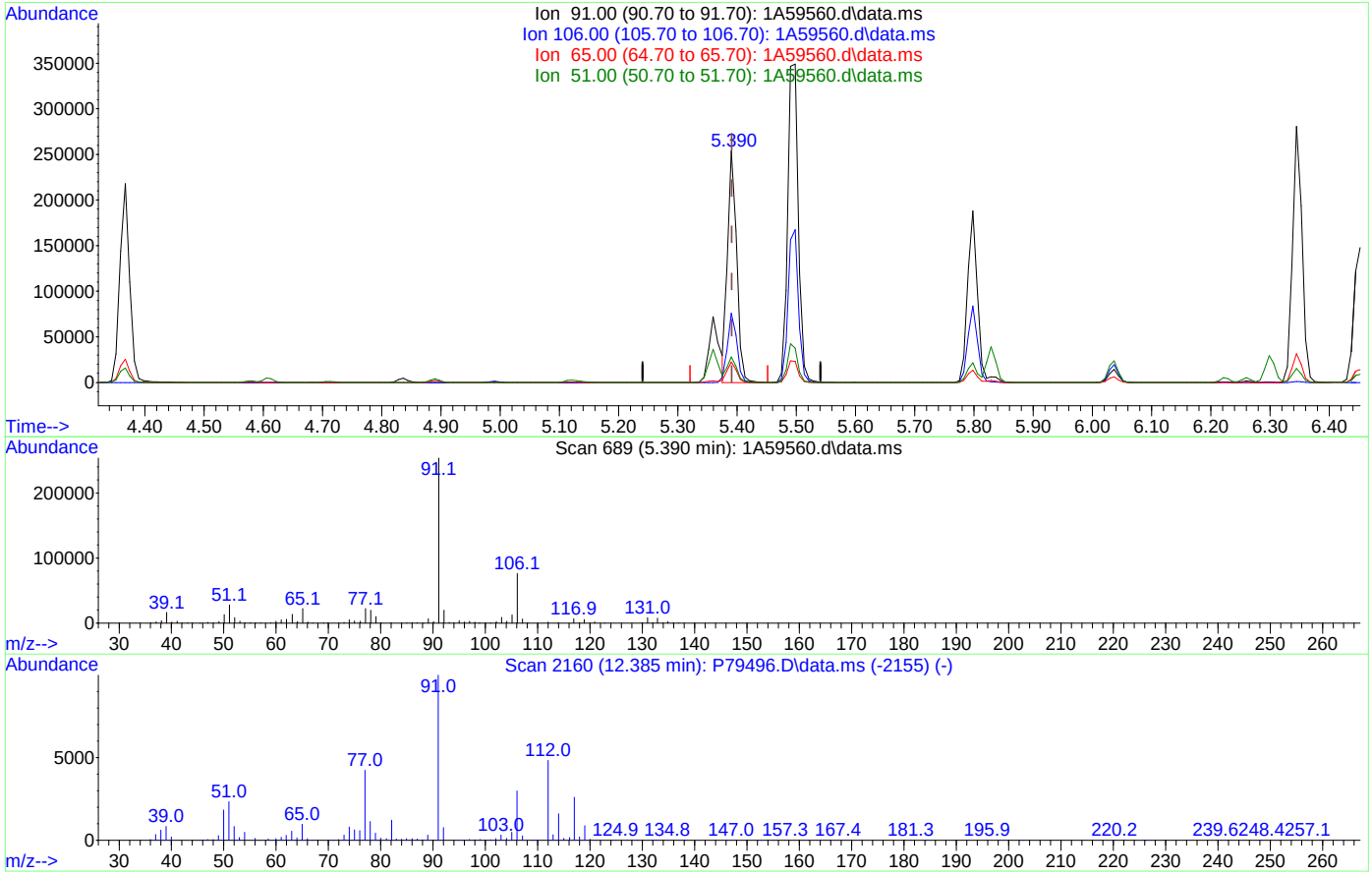
response 360838

Ion	Exp%	Act%
91.00	100	100
106.00	30.40	29.92
65.00	8.50	8.84
51.00	10.30	10.97

Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\
Data File : 1A59560.d
Acq On : 29 Sep 2024 9:28 pm
Operator : jeniferw
Sample : ECC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57599,V1A3060,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 30 02:10:23 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Sept 2024\09-30-2024\V1A3060\method\V1A3047_09182024
... .M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration



TIC: 1A59560.d\data.ms

(77) Ethylbenzene

5.390min (-0.001) 45.19ug/L m

response 274089

Ion	Exp%	Act%
91.00	100	100
106.00	30.40	29.92
65.00	8.50	8.84
51.00	10.30	10.97

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
10/04/24 12:04

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100124\
Data File : 1A59592.D
Acq On : 1 Oct 2024 6:42 am
Operator : jeniferw
Sample : CC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57600,V1A3062,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 01 07:09:45 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.405	96	257075	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.352	117	182445	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.091	152	94937	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	2.950	113	71987	49.09	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.18%			
49) 1,2-Dichloroethane-d4	3.235	65	86303	53.51	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 107.02%			
63) Toluene-d8	4.336	98	254189	49.48	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 98.96%			
86) 4-Bromofluorobenzene	6.229	174	78058	49.96	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.92%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.019	85	68034	47.67	ug/L	98
3) Chloromethane	1.134	50	57121	43.74	ug/L	95
4) 1,3-butadiene	1.188	39	47038	39.98	ug/L	95
5) Vinyl Chloride	1.173	62	62125	43.19	ug/L	100
6) Bromomethane	1.350	94	30546	39.52	ug/L	98
7) Chloroethane	1.419	64	34204	34.94	ug/L	98
8) Trichlorofluoromethane	1.496	101	86618	39.55	ug/L	98
9) Ethyl Ether	1.658	59	38379	42.18	ug/L	97
10) Ethanol	1.704	45	5522	792.40	ug/L	99
11) 1,2-Dichlorotrifluoroe...	1.742	67	64052	42.38	ug/L	94
12) 1,1-Dichloroethene	1.758	61	82302	45.44	ug/L	91
13) Freon 113	1.788	101	51151	42.45	ug/L	98
14) Carbon Disulfide	1.781	76	154433	42.32	ug/L	94
15) Iodomethane	1.835	142	35940	42.16	ug/L	98
16) Acrolein	1.904	56	26957	205.67	ug/L	100
17) Allyl chloride	1.996	41	76648	46.19	ug/L	97
18) Methylene Chloride	2.042	49	69029	41.58	ug/L	93
19) Acetone	2.050	43	50024	222.15	ug/L	98
20) Methyl acetate	2.119	43	140408	227.49	ug/L	96
21) trans-1,2-Dichloroethene	2.135	61	80172	44.57	ug/L	94
22) Hexane	2.196	56	50892	45.36	ug/L	94
23) Methyl Tert Butyl Ether	2.189	73	122144	44.27	ug/L	78
24) Acetonitrile	2.273	41	36599	413.19	ug/L	95
25) Tert Butyl Alcohol	2.204	59	30090	494.37	ug/L #	1
26) Di-isopropyl ether	2.389	45	165115	45.46	ug/L	97
27) Chloroprene	2.435	53	157375	45.77	ug/L	94
28) 1,1-Dichloroethane	2.443	63	100408	43.10	ug/L	99
29) Acrylonitrile	2.435	52	82800	229.94	ug/L	91
30) ETBE	2.581	59	154306	46.01	ug/L	99
31) Vinyl acetate	2.558	43	510782	252.12	ug/L	99
32) cis-1,2-Dichloroethene	2.720	96	55525	40.60	ug/L	99
33) 2,2-Dichloropropane	2.781	77	78522	46.18	ug/L	98
34) Bromochloromethane	2.820	128	27122	40.00	ug/L #	83
35) Cyclohexane	2.858	56	98244	45.53	ug/L	97
36) Chloroform	2.858	83	102128	42.35	ug/L	98
37) Ethyl acetate	2.912	43	195184	242.04	ug/L	99
38) Tetrahydrofuran	2.943	42	11643	47.80	ug/L	92
40) Carbon Tetrachloride	2.958	117	78245m	43.16	ug/L	
41) 1,1,1-Trichloroethane	2.981	97	87415	44.21	ug/L	96
42) 2-Butanone	2.997	43	81538	235.14	ug/L	97
43) 1,1-Dichloropropene	3.051	75	69749	44.26	ug/L	93
44) tert-Butyl formate	3.089	59	179008	282.77	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100124\
Data File : 1A59592.D
Acq On : 1 Oct 2024 6:42 am
Operator : jeniferw
Sample : CC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57600,V1A3062,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 01 07:09:45 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45)	Propionitrile	3.143	54	50167	463.59	ug/L		97
46)	Methacrylonitrile	3.166	41	253135	476.21	ug/L		99
47)	Benzene	3.181	78	216560	43.04	ug/L		95
48)	TAME	3.251	73	123014	45.39	ug/L		90
50)	1,2-Dichloroethane	3.274	62	73745	43.54	ug/L		97
51)	Isobutyl Alcohol	3.251	43	69965	1010.49	ug/L		91
52)	Tert Amyl Alcohol	3.320	59	22482	499.27	ug/L		93
53)	Trichloroethene	3.505	95	59303	41.90	ug/L		94
54)	Methylcyclohexane	3.528	83	91953	43.65	ug/L		99
55)	Dibromomethane	3.728	93	32453	41.57	ug/L		95
56)	1,2-Dichloropropane	3.789	63	55156	41.59	ug/L		93
57)	Bromodichloromethane	3.828	83	73378	43.93	ug/L		97
58)	Methyl methacrylate	3.913	41	34044	48.74	ug/L		93
59)	1,4-Dioxane	3.936	88	5863	1042.59	ug/L		72
60)	2-Chloroethyl vinyl ether	4.159	63	117695	243.30	ug/L		92
61)	cis-1,3-Dichloropropene	4.205	75	83606	45.24	ug/L		94
64)	Toluene	4.367	91	228731	41.60	ug/L		99
65)	2-Nitropropane	4.459	41	56101	236.70	ug/L		99
66)	4-Methyl-2-pentanone	4.582	43	192280	225.42	ug/L		99
67)	trans-1,3-Dichloropropene	4.613	75	73569	40.83	ug/L		99
68)	Tetrachloroethene	4.628	166	60922	39.26	ug/L		96
69)	Ethyl methacrylate	4.728	69	48365	40.18	ug/L		95
70)	1,1,2-Trichloroethane	4.713	83	35630	42.74	ug/L		98
71)	Dibromochloromethane	4.836	129	51239	45.27	ug/L		98
72)	1,3-Dichloropropane	4.890	76	71010	42.51	ug/L		94
73)	1,2-Dibromoethane	4.990	107	41401	42.91	ug/L		100
74)	3,3-Dimethyl-1-Butanol	5.121	57	173818	2392.62	ug/L		99
75)	2-hexanone	5.136	43	158430	227.21	ug/L		89
76)	1-Chlorohexane	5.359	91	78215m	41.18	ug/L		
77)	Ethylbenzene	5.390	91	253225m	41.13	ug/L		
78)	Chlorobenzene	5.359	112	142815	40.48	ug/L		96
79)	1,1,1,2-Tetrachloroethane	5.406	131	50286	44.84	ug/L		98
80)	m,p-Xylene	5.498	91	400315	85.45	ug/L		99
81)	o-Xylene	5.798	91	199067	42.10	ug/L		99
82)	Styrene	5.829	104	144321	42.88	ug/L		97
83)	Bromoform	5.837	173	29809	47.01	ug/L		96
84)	Isopropylbenzene	6.037	105	229821	42.11	ug/L		99
87)	cis-1,4-Dichloro-2-butene	6.260	53	15138	52.56	ug/L	#	77
88)	n-Propylbenzene	6.345	91	282024	40.97	ug/L		97
89)	Bromobenzene	6.306	156	56712	40.14	ug/L		91
90)	1,1,2,2-Tetrachloroethane	6.368	83	43875	43.59	ug/L		98
91)	1,3,5-Trimethylbenzene	6.499	105	183985	42.75	ug/L		97
92)	2-Chlorotoluene	6.452	91	156666	41.10	ug/L		99
93)	trans-1,4-Dichloro-2-B...	6.499	53	18855	48.29	ug/L		94
94)	1,2,3-Trichloropropane	6.468	110	12692	44.20	ug/L		95
95)	Cyclohexanone	6.475	55	5066	235.57	ug/L		88
96)	4-Chlorotoluene	6.575	91	165782	42.27	ug/L		97
97)	tert-Butylbenzene	6.745	91	107894	41.57	ug/L		97
98)	1,2,4-Trimethylbenzene	6.799	105	172831	42.51	ug/L		98
99)	Pentachloroethane	6.745	167	31720	50.12	ug/L	#	71
100)	sec-Butylbenzene	6.883	105	225777	40.94	ug/L		98
101)	4-Isopropyltoluene	7.006	119	185286	41.64	ug/L		98
102)	1,3-Dichlorobenzene	7.030	146	98203	39.42	ug/L		96
103)	1,2,3-Trimethylbenzene	7.137	105	164644	40.20	ug/L		97
104)	1,4-Dichlorobenzene	7.099	146	97918	39.58	ug/L		95
105)	n-Butylbenzene	7.337	92	85445	38.15	ug/L		96
106)	Benzyl Chloride	7.291	126	14498	46.56	ug/L		98
107)	1,2-Dichlorobenzene	7.422	146	85549	39.60	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100124\
Data File : 1A59592.D
Acq On : 1 Oct 2024 6:42 am
Operator : jeniferw
Sample : CC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57600,V1A3062,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 01 07:09:45 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration

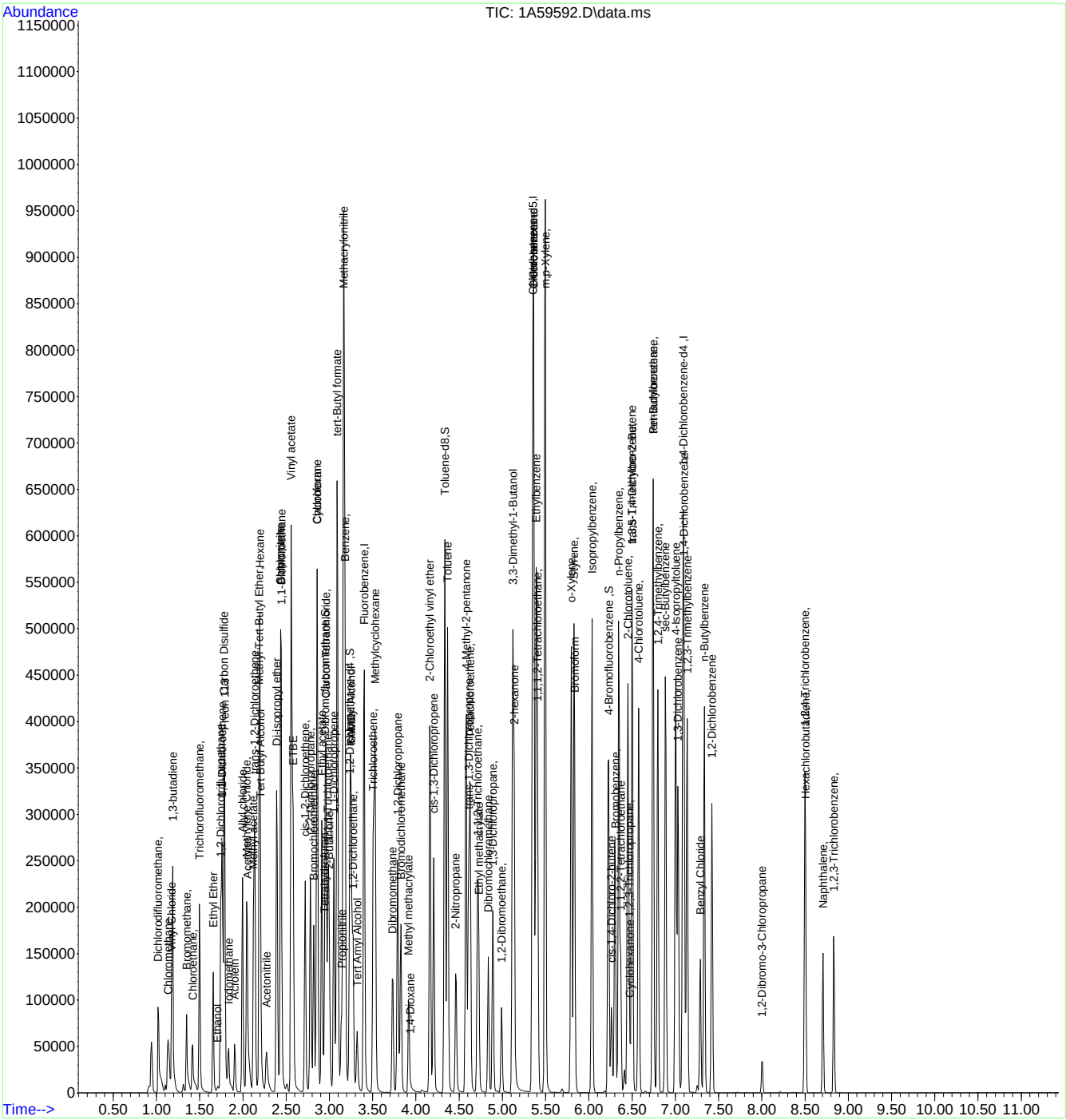
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) 1,2-Dibromo-3-Chloropr...	7.999	75	5763	44.59	ug/L	87
109) Hexachlorobutadiene	8.507	225	23318	40.24	ug/L	96
110) 1,2,4-Trichlorobenzene	8.500	180	41329	40.13	ug/L	97
111) Naphthalene	8.707	128	73651	39.81	ug/L	99
112) 1,2,3-Trichlorobenzene	8.831	180	32833	41.00	ug/L	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100124\
Data File : 1A59592.D
Acq On : 1 Oct 2024 6:42 am
Operator : jeniferw
Sample : CC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57600,V1A3062,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 01 07:09:45 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration



Manual Integration Approval Summary

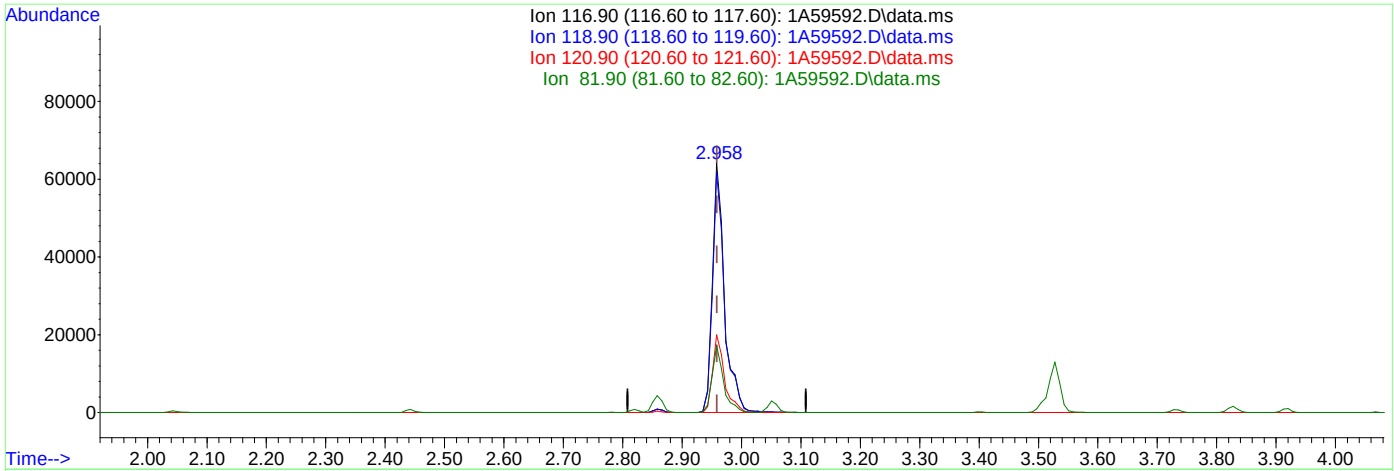
Sample Number: V1A3062-CC3047 **Method:** SW846 8260D
Lab FileID: 1A59592.D **Analyst approved:** 10/01/24 08:33 Jenifer Willis
Injection Time: 10/01/24 06:42 **Supervisor approved:** 10/04/24 12:04 Karen Watson

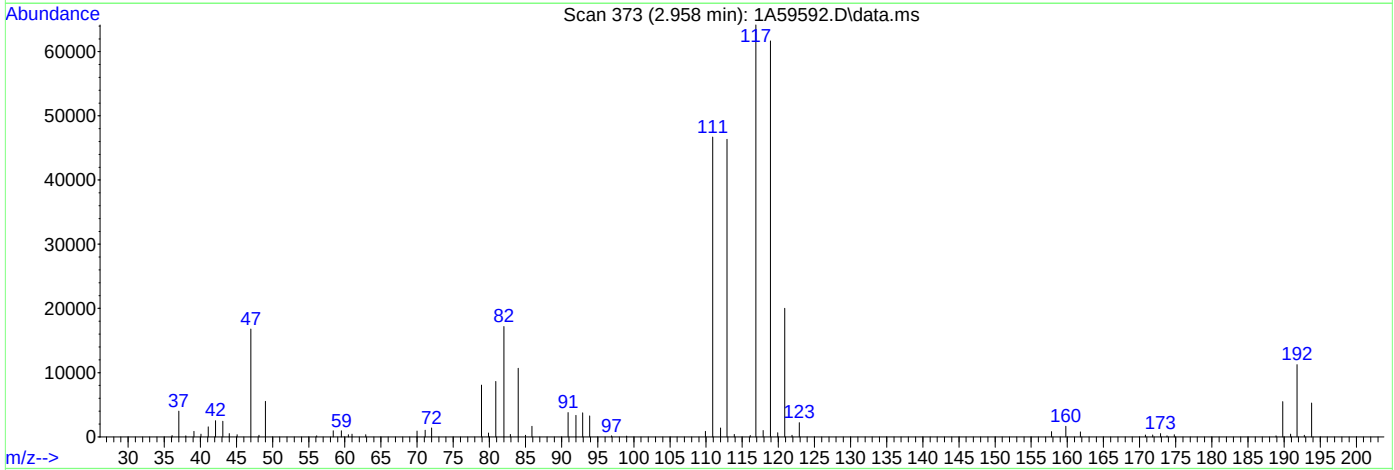
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		2.96	Overlapping peak
1-Chlorohexane	544-10-5		5.36	Overlapping peak
Ethylbenzene	100-41-4		5.39	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100124\
Data File : 1A59592.D
Acq On : 1 Oct 2024 6:42 am
Operator : jeniferw
Sample : CC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57600,V1A3062,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 01 07:09:12 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration





TIC: 1A59592.D\data.ms

(40) Carbon Tetrachloride ( )

2.958min (-0.000) 50.30ug/L

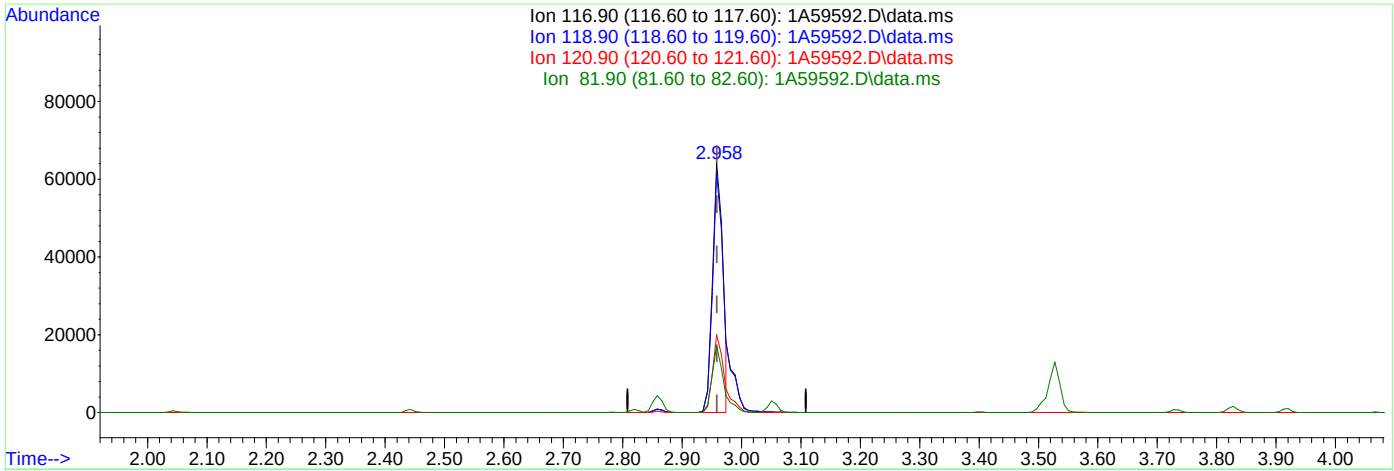
response 91178

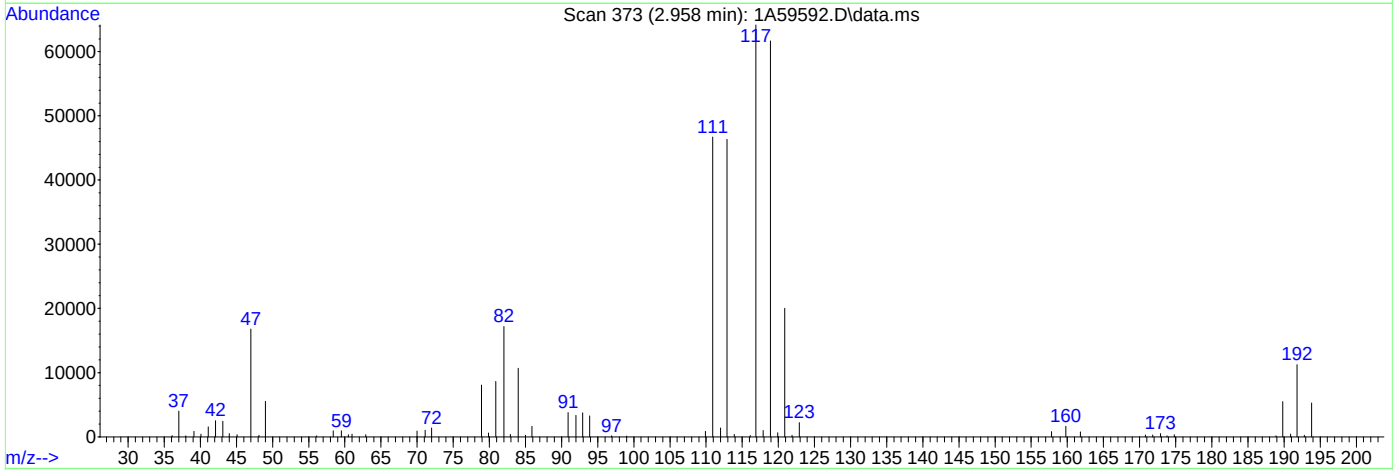
Ion	Exp%	Act%
116.90	100	100
118.90	97.80	96.12
120.90	30.90	31.17
81.90	25.10	26.77

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100124\
Data File : 1A59592.D
Acq On : 1 Oct 2024 6:42 am
Operator : jeniferw
Sample : CC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57600,V1A3062,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 01 07:09:12 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration





TIC: 1A59592.D\data.ms

(40) Carbon Tetrachloride ( )

2.958min (-0.000) 43.16ug/L m

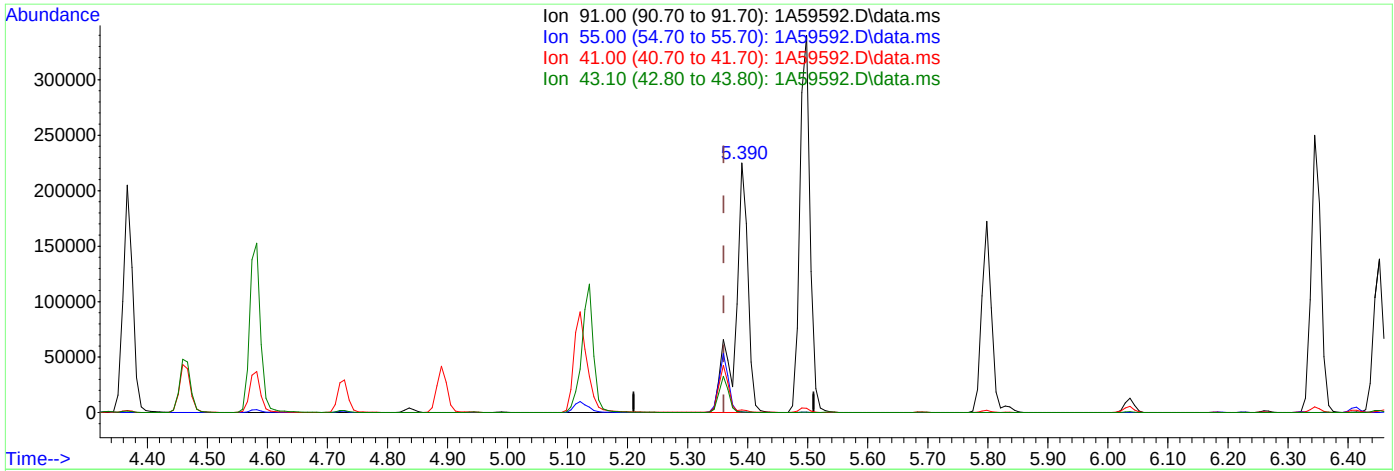
response 78245

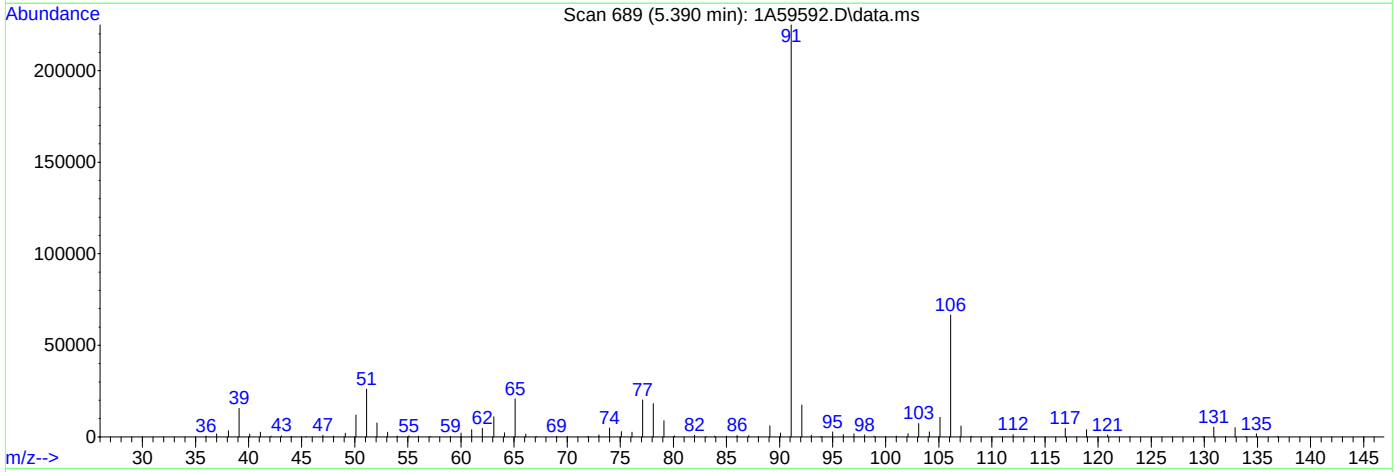
Ion	Exp%	Act%
116.90	100	100
118.90	97.80	96.12
120.90	30.90	31.17
81.90	25.10	26.77

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100124\
Data File : 1A59592.D
Acq On : 1 Oct 2024 6:42 am
Operator : jeniferw
Sample : CC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57600,V1A3062,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 01 07:09:12 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration





TIC: 1A59592.D\data.ms

(76) 1-Chlorohexane

5.390min (+0.030) 174.58ug/L

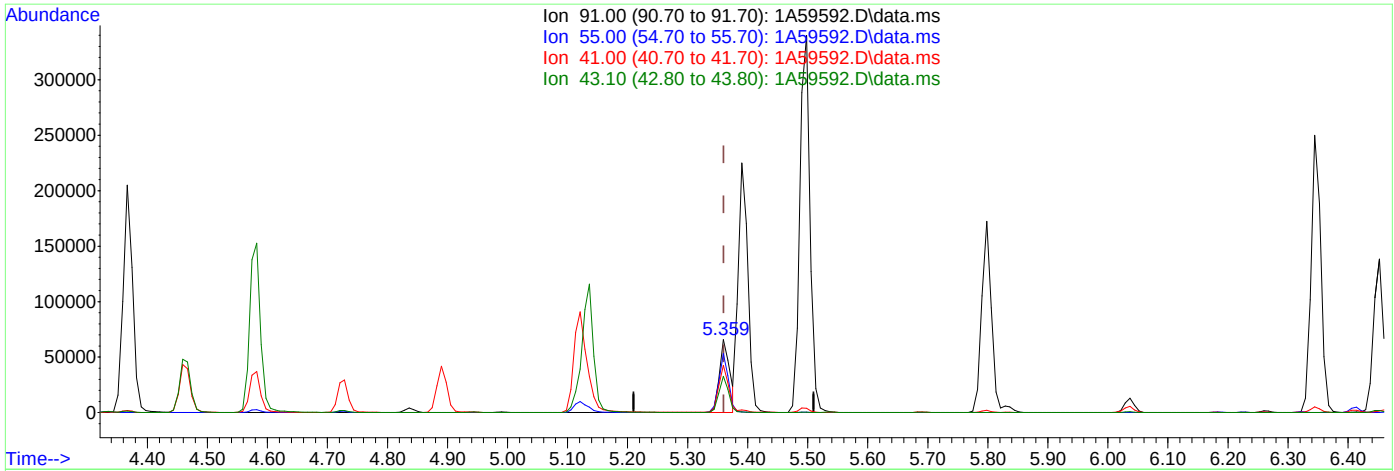
response 331556

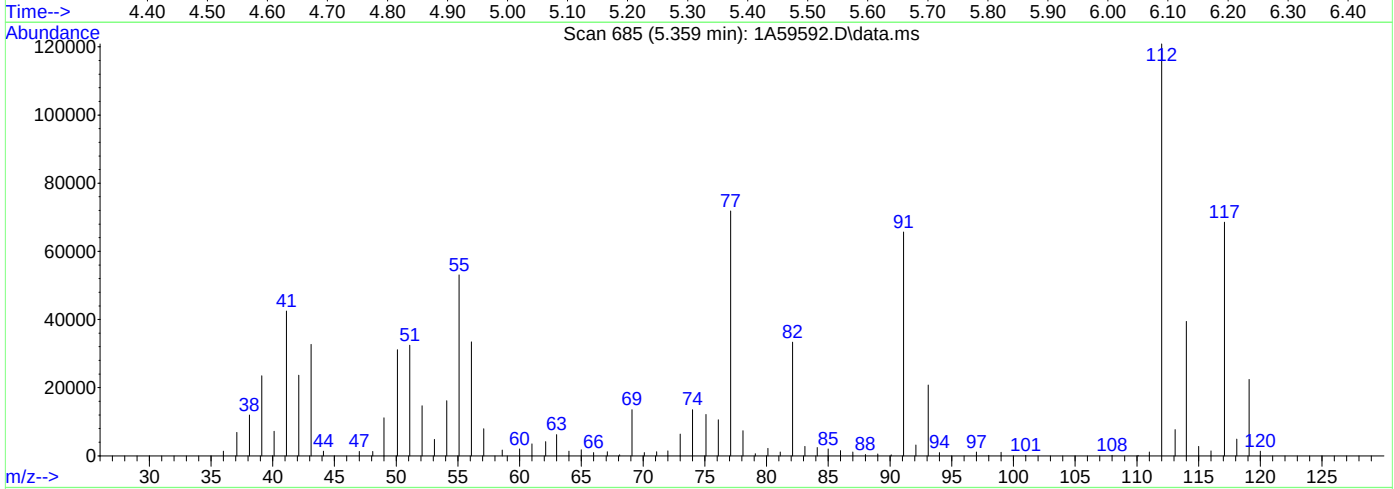
Ion	Exp%	Act%
91.00	100	100
55.00	69.60	0.22#
41.00	56.40	1.03#
43.10	42.00	0.28#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100124\
Data File : 1A59592.D
Acq On : 1 Oct 2024 6:42 am
Operator : jeniferw
Sample : CC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57600,V1A3062,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 01 07:09:12 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration





TIC: 1A59592.D\data.ms

(76) 1-Chlorohexane

5.359min (-0.001) 41.18ug/L m

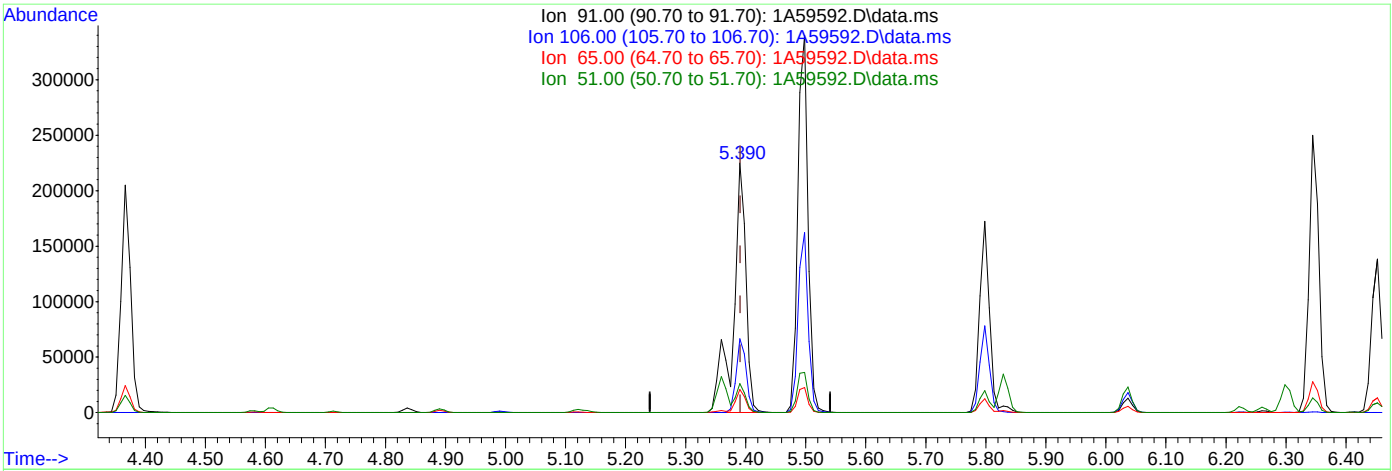
response 78215

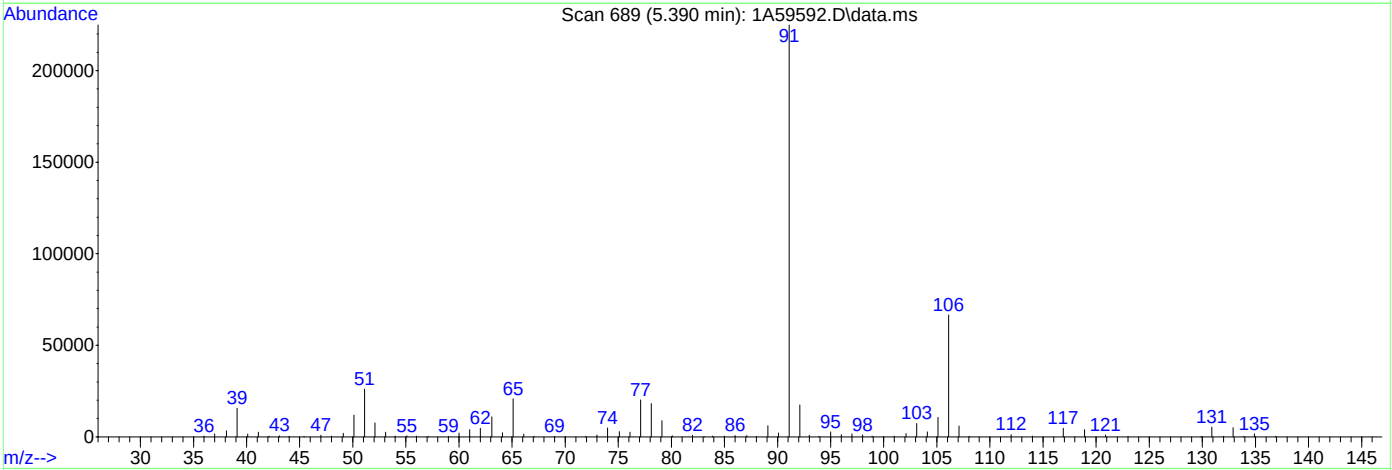
Ion	Exp%	Act%
91.00	100	100
55.00	69.60	80.78
41.00	56.40	64.66
43.10	42.00	49.73

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100124\
Data File : 1A59592.D
Acq On : 1 Oct 2024 6:42 am
Operator : jeniferw
Sample : CC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57600,V1A3062,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 01 07:09:12 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration





TIC: 1A59592.D\data.ms

(77) Ethylbenzene

5.390min (-0.001) 53.85ug/L

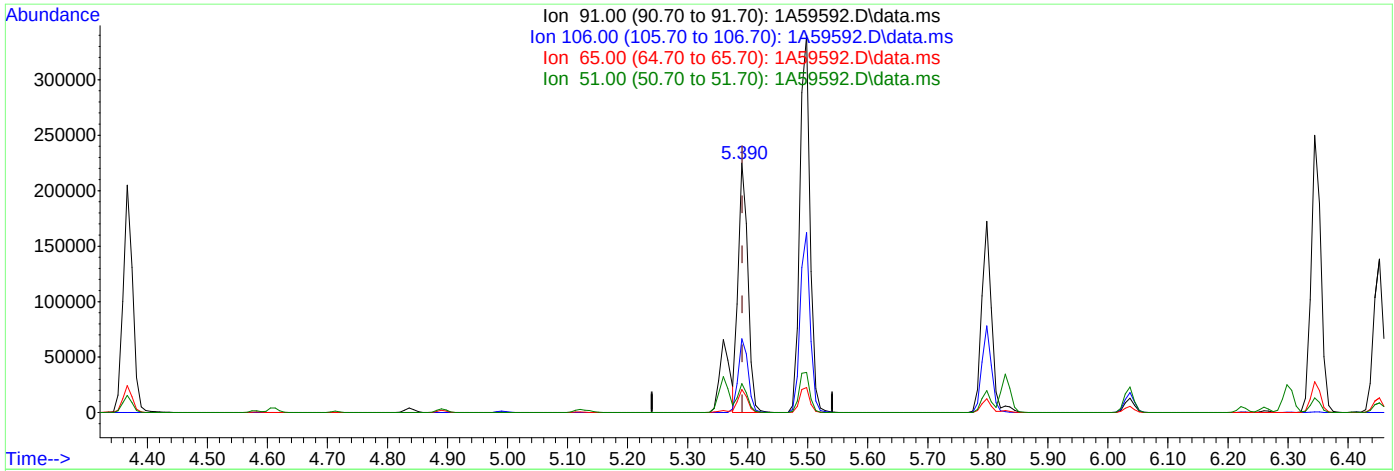
response 331556

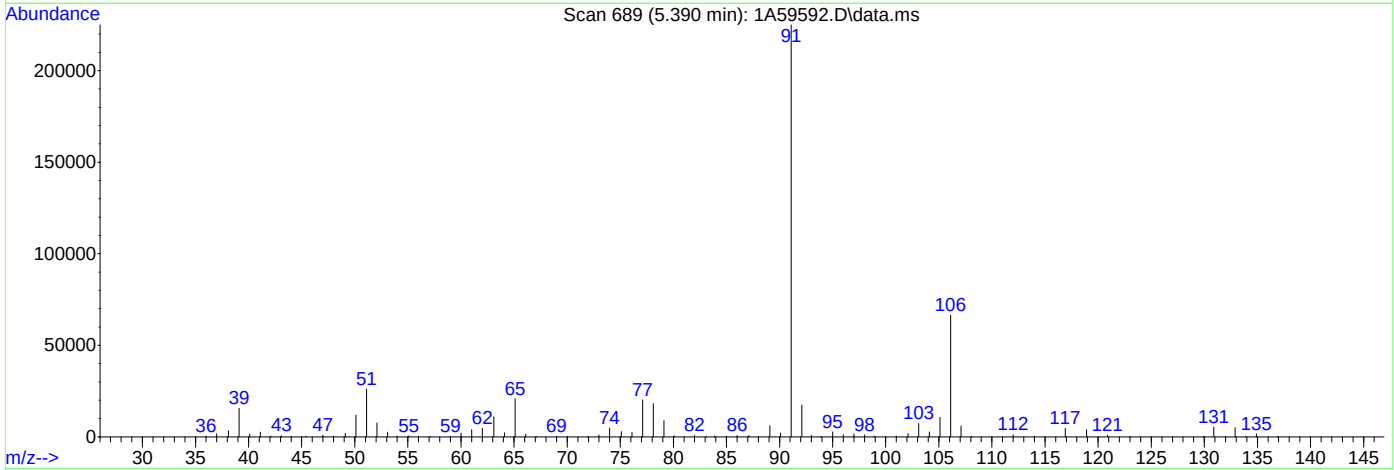
Ion	Exp%	Act%
91.00	100	100
106.00	30.40	29.55
65.00	8.50	9.25
51.00	10.30	11.59

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100124\
Data File : 1A59592.D
Acq On : 1 Oct 2024 6:42 am
Operator : jeniferw
Sample : CC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57600,V1A3062,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 01 07:09:12 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration





TIC: 1A59592.D\data.ms

(77) Ethylbenzene

5.390min (-0.001) 41.13ug/L m

response 253225

Ion	Exp%	Act%
91.00	100	100
106.00	30.40	29.55
65.00	8.50	9.25
51.00	10.30	11.59

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
10/04/24 12:04

Quantitation Report (QT Reviewed)

Data Path : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\
Data File : 1A59621.d
Acq On : 1 Oct 2024 6:25 pm
Operator : jeniferw
Sample : ECC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 02 01:33:45 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\method\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.405	96	247216	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.352	117	175495	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.091	152	91092	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	2.951	113	69816	49.51	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.02%			
49) 1,2-Dichloroethane-d4	3.235	65	81278	52.40	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 104.80%			
63) Toluene-d8	4.336	98	241441	48.86	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 97.72%			
86) 4-Bromofluorobenzene	6.229	174	74940	49.99	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.98%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.019	85	69063	50.3194	ug/L	100
3) Chloromethane	1.127	50	59505	47.3874	ug/L	96
4) 1,3-butadiene	1.180	39	45915	40.5776	ug/L	83
5) Vinyl Chloride	1.173	62	60484	43.7276	ug/L	100
6) Bromomethane	1.350	94	32890	44.2500	ug/L	97
7) Chloroethane	1.419	64	34311	36.4450	ug/L	99
8) Trichlorofluoromethane	1.496	101	83409	39.6034	ug/L	99
9) Ethyl Ether	1.650	59	34590	39.5279	ug/L	96
10) Ethanol	1.696	45	5451m	813.1340	ug/L	
11) 1,2-Dichlorotrifluoroe...	1.742	67	60324	41.5030	ug/L	96
12) 1,1-Dichloroethene	1.758	61	78354	44.9892	ug/L	92
13) Freon 113	1.788	101	49713	42.9044	ug/L	96
14) Carbon Disulfide	1.781	76	148817	42.4109	ug/L	97
15) Iodomethane	1.835	142	43312	50.4868	ug/L	97
16) Acrolein	1.904	56	22221	176.3005	ug/L	100
17) Allyl chloride	1.996	41	72527	45.4501	ug/L	98
18) Methylene Chloride	2.042	49	68491	42.9012	ug/L	93
19) Acetone	2.042	43	41157	190.0637	ug/L	98
20) Methyl acetate	2.119	43	115601	194.7696	ug/L	96
21) trans-1,2-Dichloroethene	2.135	61	75576	43.6909	ug/L	96
22) Hexane	2.196	56	47330	43.8669	ug/L #	86
23) Methyl Tert Butyl Ether	2.189	73	107421	40.4821	ug/L	86
24) Acetonitrile	2.266	41	31059	361.1156	ug/L	96
25) Tert Butyl Alcohol	2.204	59	20458	349.5211	ug/L #	1
26) Di-isopropyl ether	2.389	45	158619	45.4117	ug/L	97
27) Chloroprene	2.435	53	143754	43.4766	ug/L	96
28) 1,1-Dichloroethane	2.443	63	97532	43.5355	ug/L	99
29) Acrylonitrile	2.435	52	72561	209.5375	ug/L	98
30) ETBE	2.573	59	144933	44.9408	ug/L	97
31) Vinyl acetate	2.558	43	419143	215.1346	ug/L	98
32) cis-1,2-Dichloroethene	2.720	96	54808	41.6787	ug/L	98
33) 2,2-Dichloropropane	2.781	77	71185	43.5379	ug/L	99
34) Bromochloromethane	2.820	128	26440	40.5532	ug/L	89
35) Cyclohexane	2.858	56	95007	45.7893	ug/L	96
36) Chloroform	2.858	83	100348	43.2672	ug/L	98
37) Ethyl acetate	2.912	43	157311	202.8517	ug/L	99
38) Tetrahydrofuran	2.943	42	8804	37.5881	ug/L	95
40) Carbon Tetrachloride	2.958	117	73579m	42.2091	ug/L	
41) 1,1,1-Trichloroethane	2.981	97	83342	43.8264	ug/L	98
42) 2-Butanone	2.997	43	65290	195.7907	ug/L	99
43) 1,1-Dichloropropene	3.051	75	65889	43.4775	ug/L	94
44) tert-Butyl formate	3.089	59	146656	244.7125	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\
Data File : 1A59621.d
Acq On : 1 Oct 2024 6:25 pm
Operator : jeniferw
Sample : ECC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 02 01:33:45 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\method\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Propionitrile	3.135	54	39661	381.1212	ug/L		99
46) Methacrylonitrile	3.166	41	207485	405.8992	ug/L		98
47) Benzene	3.181	78	208560	43.1039	ug/L		94
48) TAME	3.243	73	108669	41.6971	ug/L		96
50) 1,2-Dichloroethane	3.274	62	70339	43.1884	ug/L		97
51) Isobutyl Alcohol	3.251	43	56433	847.5509	ug/L		92
52) Tert Amyl Alcohol	3.320	59	13735	328.3030	ug/L		95
53) Trichloroethene	3.505	95	57029	41.9026	ug/L		94
54) Methylcyclohexane	3.528	83	89374	44.1223	ug/L		98
55) Dibromomethane	3.728	93	30411	40.5071	ug/L		96
56) 1,2-Dichloropropane	3.789	63	54617	42.8285	ug/L		96
57) Bromodichloromethane	3.828	83	71298	44.3842	ug/L		98
58) Methyl methacrylate	3.913	41	28376	42.2487	ug/L		93
59) 1,4-Dioxane	3.936	88	3778	698.6196	ug/L		81
60) 2-Chloroethyl vinyl ether	4.159	63	100407	218.3126	ug/L		94
61) cis-1,3-Dichloropropene	4.205	75	78594	44.2193	ug/L		94
64) Toluene	4.367	91	218909	41.3877	ug/L		99
65) 2-Nitropropane	4.459	41	43782	192.0389	ug/L		97
66) 4-Methyl-2-pentanone	4.574	43	153998	187.6871	ug/L		98
67) trans-1,3-Dichloropropene	4.613	75	67319	38.8383	ug/L		97
68) Tetrachloroethene	4.628	166	67926	45.5116	ug/L		96
69) Ethyl methacrylate	4.728	69	40647	35.1016	ug/L		95
70) 1,1,2-Trichloroethane	4.713	83	31709	39.5474	ug/L		98
71) Dibromochloromethane	4.836	129	47195	43.3464	ug/L		96
72) 1,3-Dichloropropane	4.890	76	65465	40.7472	ug/L		95
73) 1,2-Dibromoethane	4.990	107	37762	40.6845	ug/L		95
74) 3,3-Dimethyl-1-Butanol	5.121	57	114850	1739.6015	ug/L		98
75) 2-hexanone	5.136	43	119729	178.5052	ug/L		89
76) 1-Chlorohexane	5.360	91	74508m	40.7846	ug/L		
77) Ethylbenzene	5.390	91	242056m	40.8687	ug/L		
78) Chlorobenzene	5.360	112	137693	40.5783	ug/L		97
79) 1,1,1,2-Tetrachloroethane	5.406	131	47666	44.1877	ug/L		97
80) m,p-Xylene	5.498	91	385384	85.5254	ug/L		100
81) o-Xylene	5.798	91	193053	42.4422	ug/L		97
82) Styrene	5.829	104	141387	43.6745	ug/L		97
83) Bromoform	5.837	173	25535	41.8647	ug/L		96
84) Isopropylbenzene	6.037	105	222535	42.3854	ug/L		99
87) cis-1,4-Dichloro-2-butene	6.260	53	12204	44.1612	ug/L		91
88) n-Propylbenzene	6.345	91	276927	41.9263	ug/L		96
89) Bromobenzene	6.298	156	54990	40.5674	ug/L		91
90) 1,1,2,2-Tetrachloroethane	6.368	83	36889	38.1993	ug/L		97
91) 1,3,5-Trimethylbenzene	6.499	105	183636	44.4650	ug/L		97
92) 2-Chlorotoluene	6.452	91	152726	41.7545	ug/L		98
93) trans-1,4-Dichloro-2-B...	6.499	53	16636	44.4046	ug/L		96
94) 1,2,3-Trichloropropane	6.460	110	10963	39.7874	ug/L		88
95) Cyclohexanone	6.476	55	3645	176.6470	ug/L		96
96) 4-Chlorotoluene	6.576	91	162503	43.1800	ug/L		96
97) tert-Butylbenzene	6.745	91	109403	43.9354	ug/L		98
98) 1,2,4-Trimethylbenzene	6.799	105	172386	44.1950	ug/L		97
99) Pentachloroethane	6.745	167	23183	38.1768	ug/L	#	81
100) sec-Butylbenzene	6.883	105	225706	42.6550	ug/L		97
101) 4-Isopropyltoluene	7.007	119	186785	43.7462	ug/L		98
102) 1,3-Dichlorobenzene	7.030	146	95914	40.1220	ug/L		96
103) 1,2,3-Trimethylbenzene	7.137	105	165862	42.2057	ug/L		98
104) 1,4-Dichlorobenzene	7.099	146	95506	40.2304	ug/L		95
105) n-Butylbenzene	7.338	92	85972	40.0045	ug/L		98
106) Benzyl Chloride	7.291	126	10357	35.6464	ug/L		99
107) 1,2-Dichlorobenzene	7.422	146	83096	40.0835	ug/L		97

Quantitation Report (QT Reviewed)

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Data File : 1A59621.d
Acq On : 1 Oct 2024 6:25 pm
Operator : jeniferw
Sample : ECC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 02 01:33:45 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\method\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) 1,2-Dibromo-3-Chloropr...	7.999	75	5097	41.1014	ug/L #	83
109) Hexachlorobutadiene	8.507	225	22727	40.8718	ug/L	93
110) 1,2,4-Trichlorobenzene	8.500	180	39271	39.7404	ug/L	95
111) Naphthalene	8.707	128	65674	37.2649	ug/L	99
112) 1,2,3-Trichlorobenzene	8.831	180	30349	39.4954	ug/L	97

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

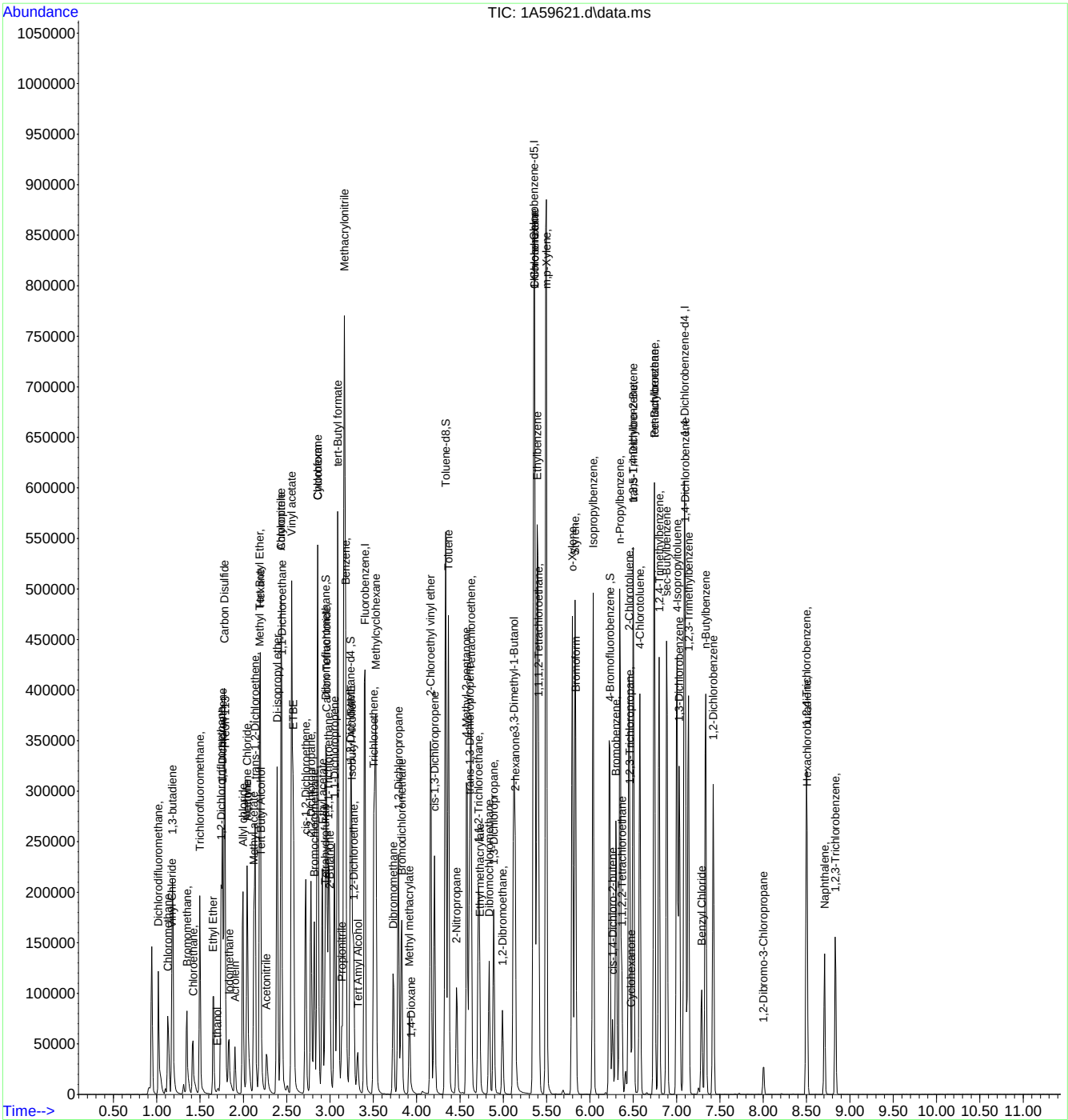
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7

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QLast Update : Wed Sep 18 13:49:10 2024
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Manual Integration Approval Summary

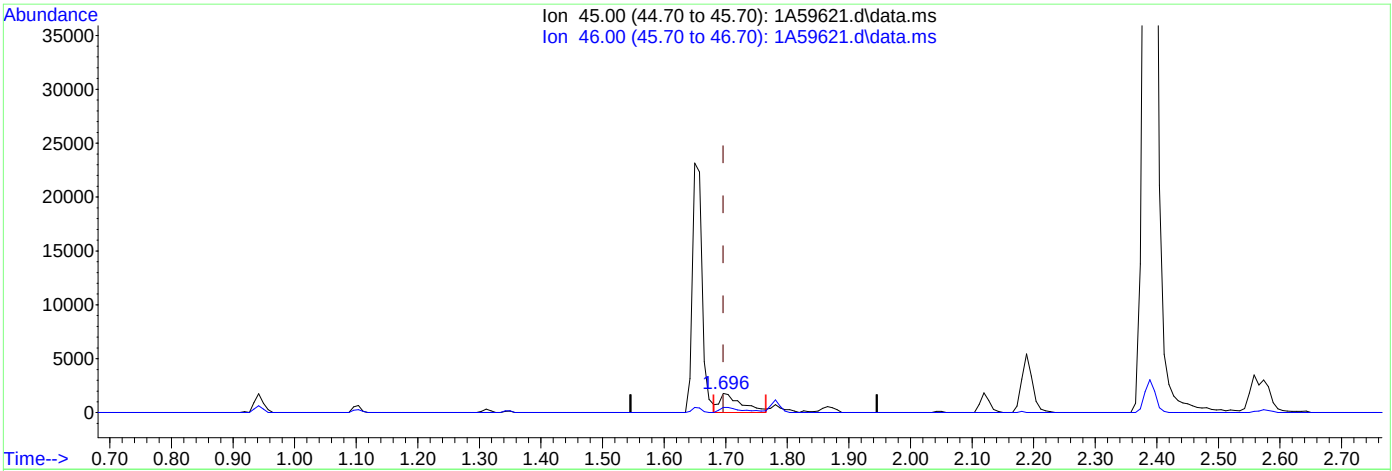
Sample Number: V1A3062-ECC3047 **Method:** SW846 8260D
Lab FileID: 1A59621.D **Analyst approved:** 10/01/24 21:57 Jhenelle Bondal
Injection Time: 10/01/24 18:25 **Supervisor approved:** 10/04/24 12:04 Karen Watson

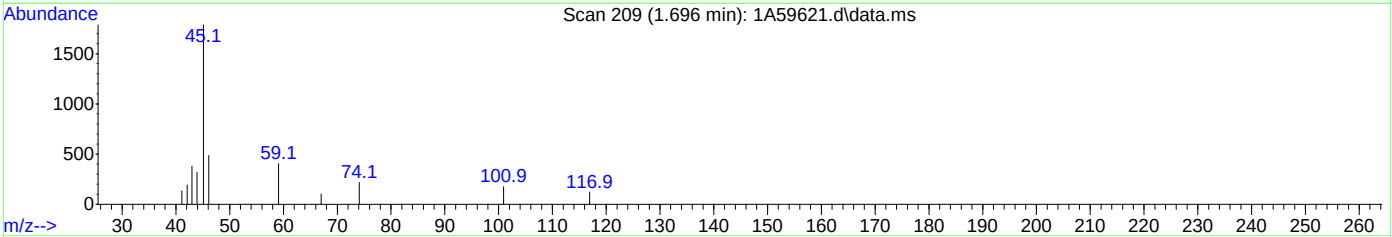
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		1.70	Poorly defined baseline
Carbon Tetrachloride	56-23-5		2.96	Overlapping peak
1-Chlorohexane	544-10-5		5.36	Poorly defined baseline
Ethylbenzene	100-41-4		5.39	Poorly defined baseline

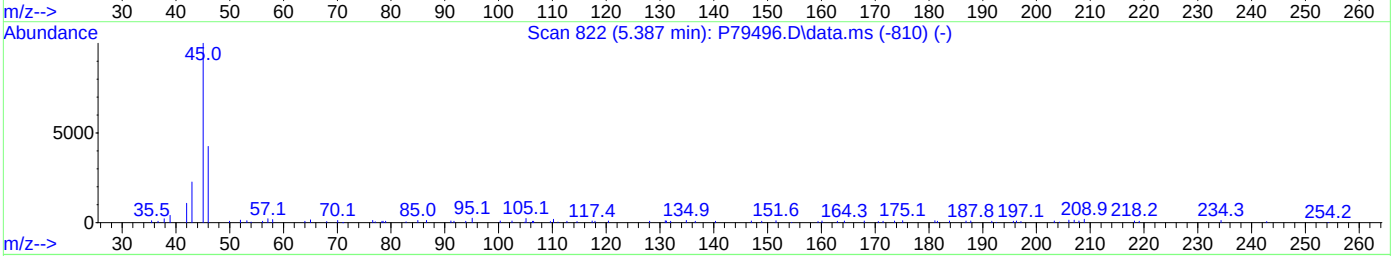
Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\
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Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration







TIC: 1A59621.d\data.ms

(10) Ethanol

1.696min (+0.000) 660.07ug/L

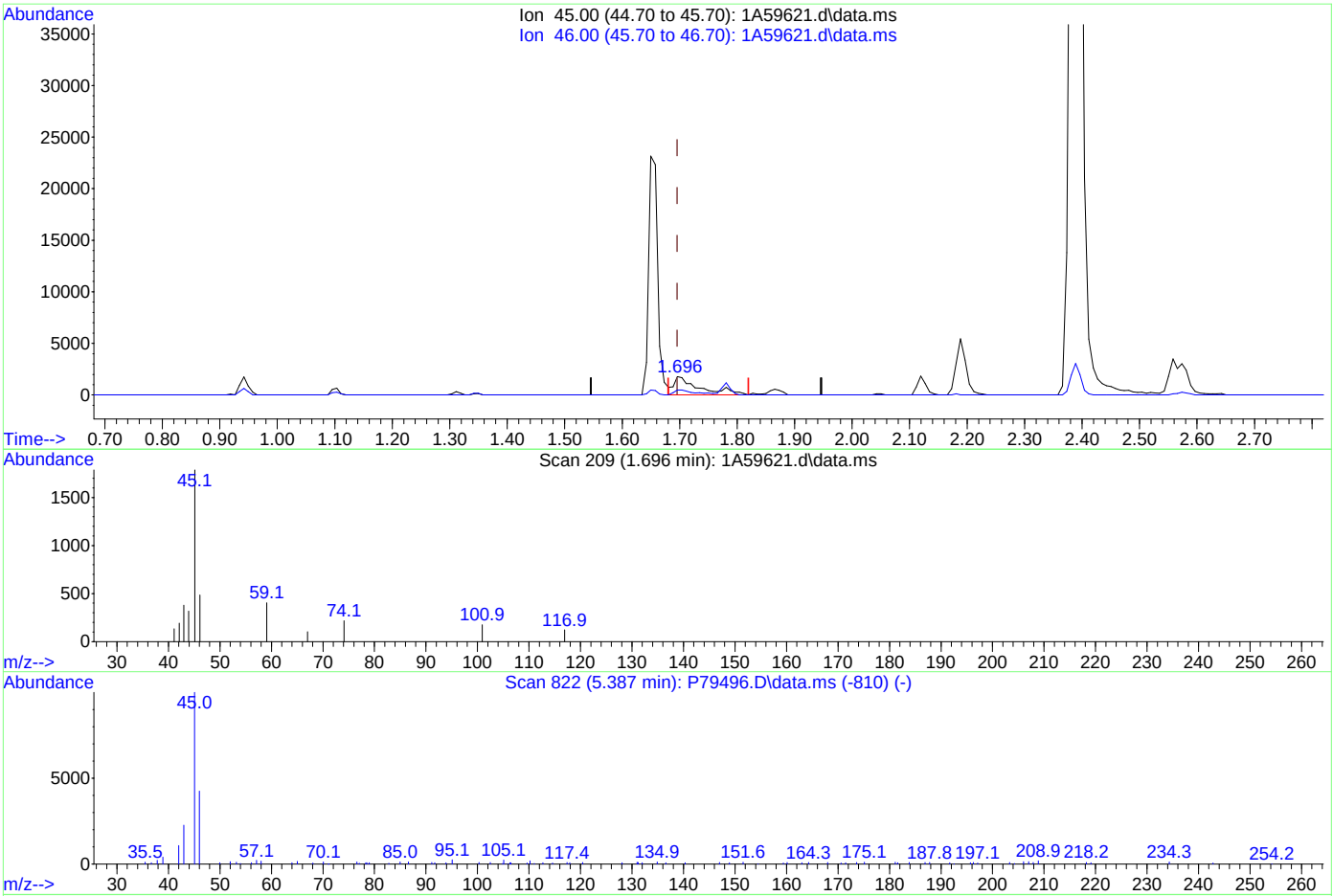
response 4414

Ion	Exp%	Act%
45.00	100	100
46.00	35.50	33.36
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\
Data File : 1A59621.d
Acq On : 1 Oct 2024 6:25 pm
Operator : jeniferw
Sample : ECC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 02 01:27:08 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\method\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration



TIC: 1A59621.d\data.ms

(10) Ethanol

1.696min (+0.000) 813.13ug/L m

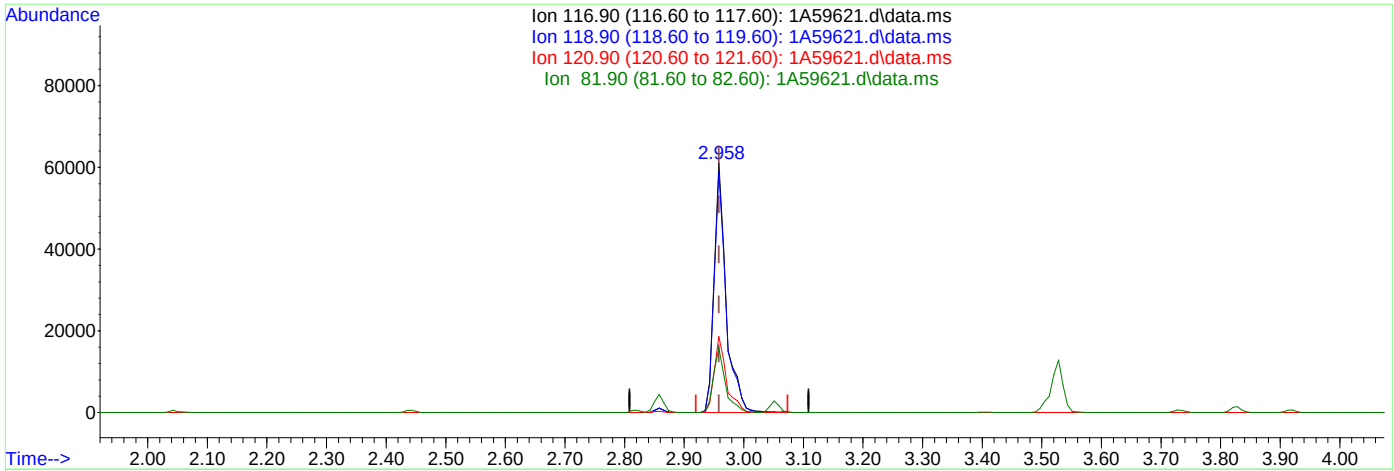
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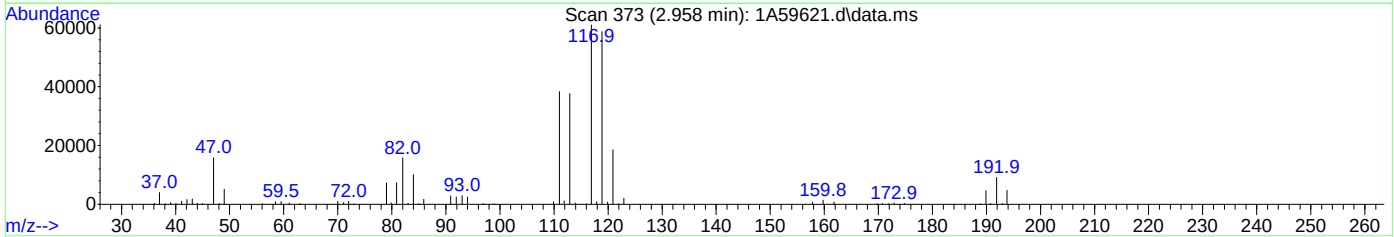
Ion	Exp%	Act%
45.00	100	100
46.00	35.50	27.18
0.00	0.00	0.00
0.00	0.00	0.00

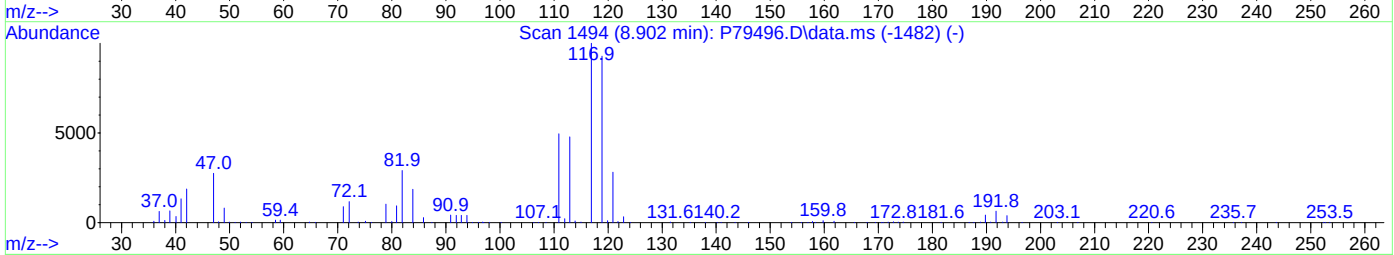
Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\
Data File : 1A59621.d
Acq On : 1 Oct 2024 6:25 pm
Operator : jeniferw
Sample : ECC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 31 Sample Multiplier: 1

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Quant Method : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\method\V1A3047_09182024.M
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Response via : Initial Calibration







TIC: 1A59621.d\data.ms

(40) Carbon Tetrachloride ( )

2.958min (-0.000) 49.24ug/L

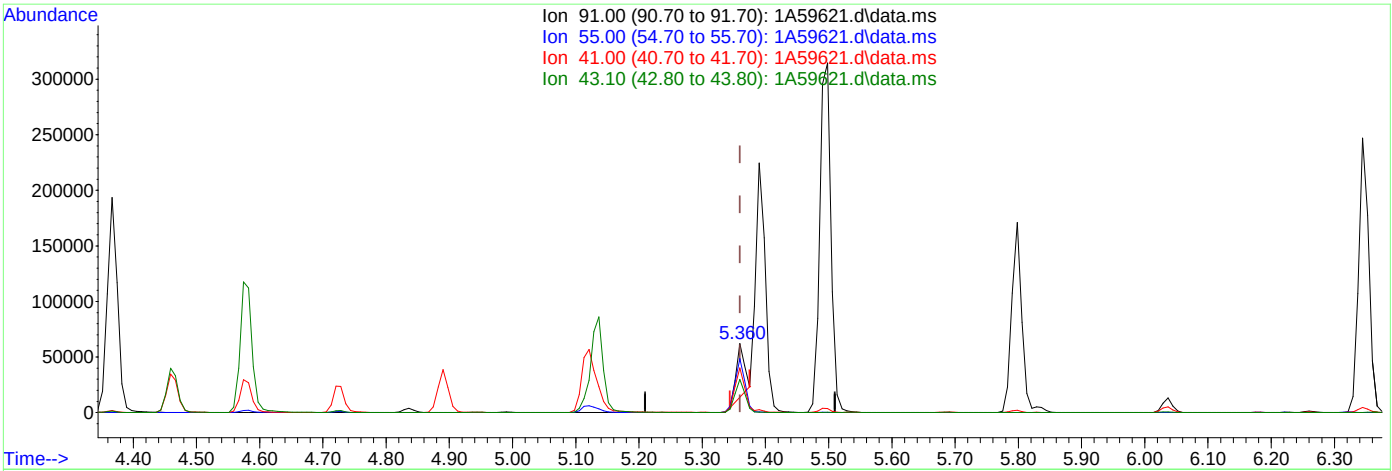
response 85840

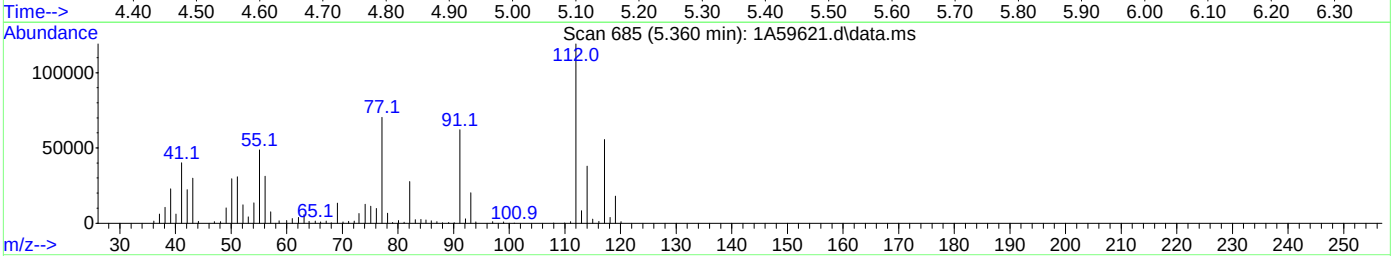
Ion	Exp%	Act%
116.90	100	100
118.90	97.80	96.20
120.90	30.90	30.43
81.90	25.10	25.90

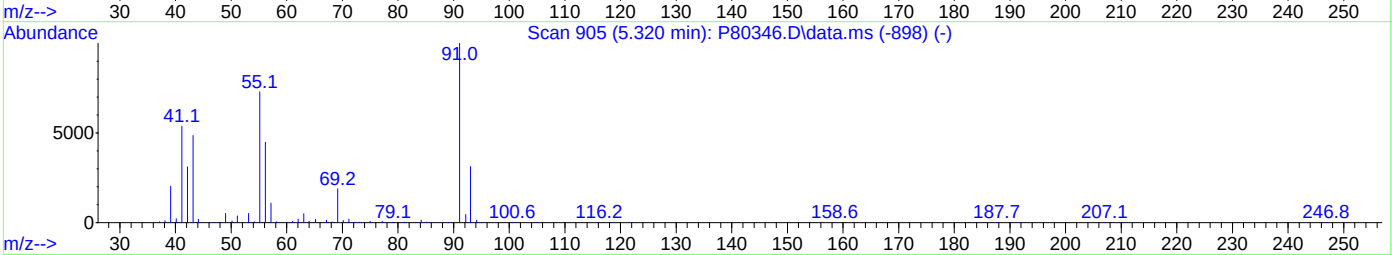
Quantitation Report (Qedit)

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TIC: 1A59621.d\data.ms

(76) 1-Chlorohexane

5.360min (-0.000) 26.77ug/L

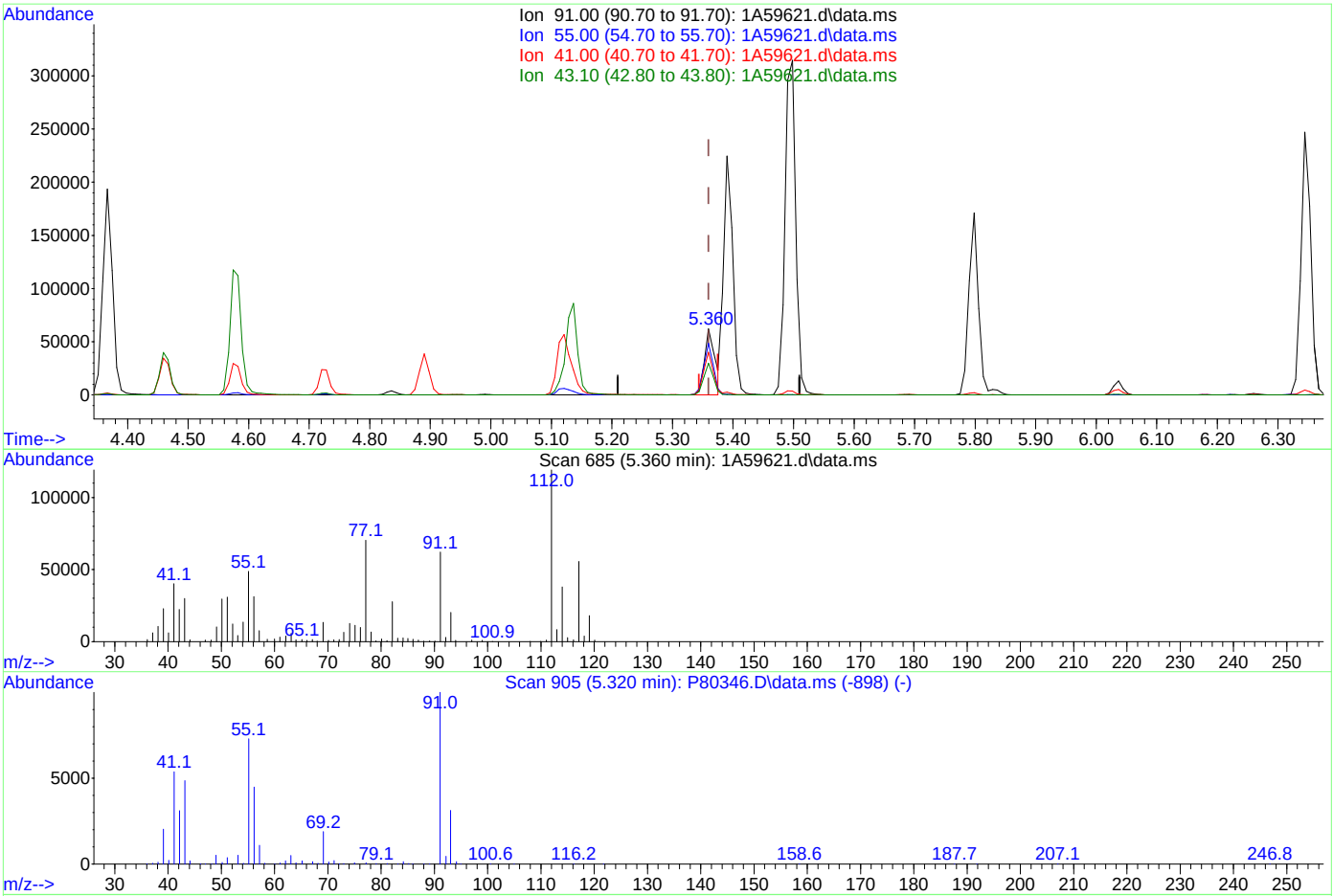
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Ion	Exp%	Act%
91.00	100	100
55.00	69.60	74.56
41.00	56.40	61.87
43.10	42.00	46.52

Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\
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Misc : MS57609,V1A3062,,,,,
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 02 01:27:08 2024
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Response via : Initial Calibration



TIC: 1A59621.d\data.ms

(76) 1-Chlorohexane

5.360min (-0.000) 40.78ug/L m

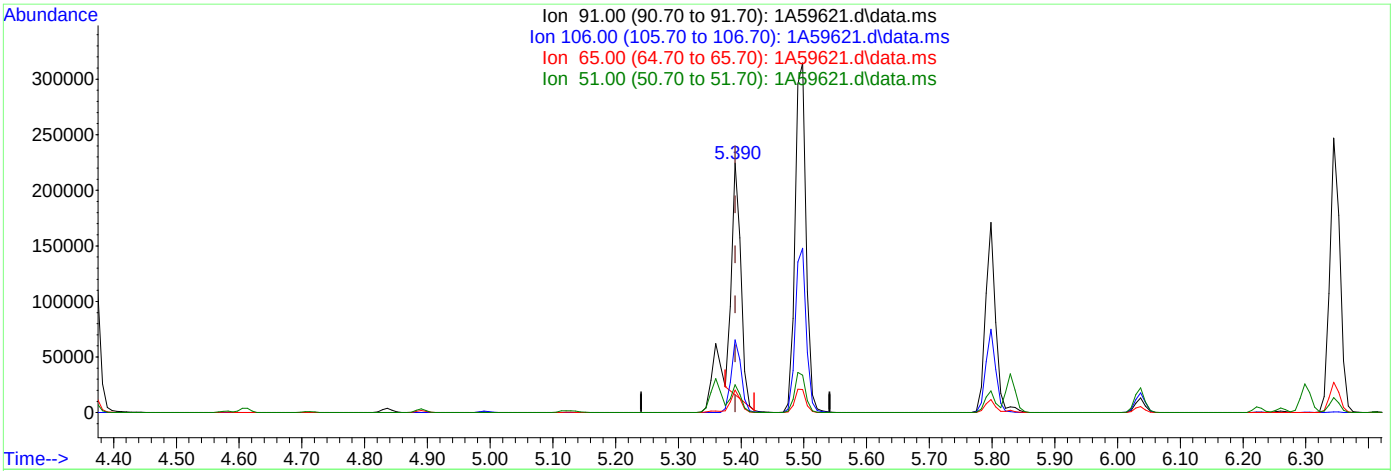
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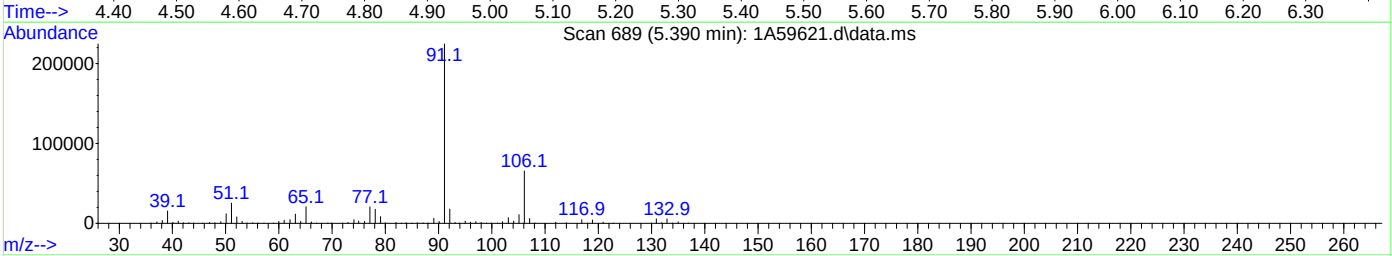
Ion	Exp%	Act%
91.00	100	100
55.00	69.60	78.29
41.00	56.40	64.62
43.10	42.00	48.29

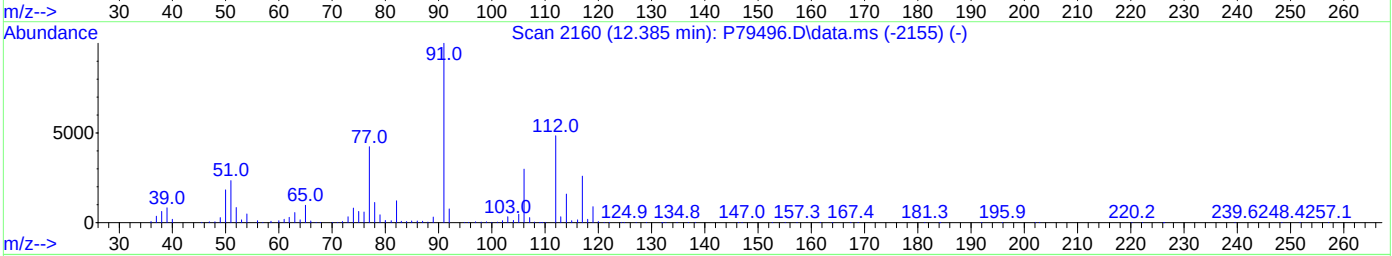
Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\
Data File : 1A59621.d
Acq On : 1 Oct 2024 6:25 pm
Operator : jeniferw
Sample : ECC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 02 01:27:08 2024
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QLast Update : Wed Sep 18 13:49:10 2024
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TIC: 1A59621.d\data.ms

(77) Ethylbenzene

5.390min (-0.001) 34.86ug/L

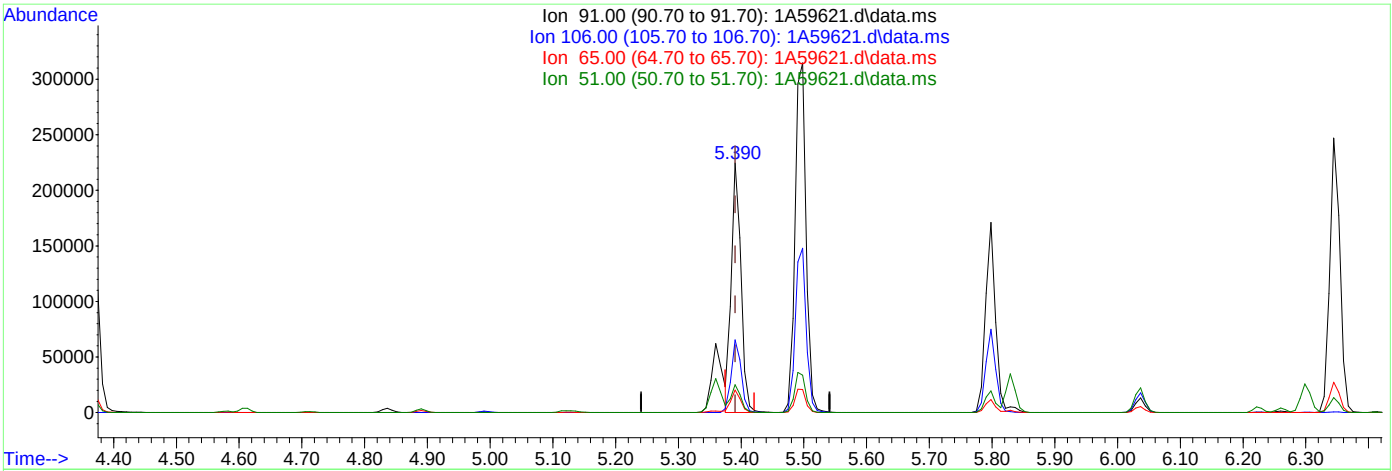
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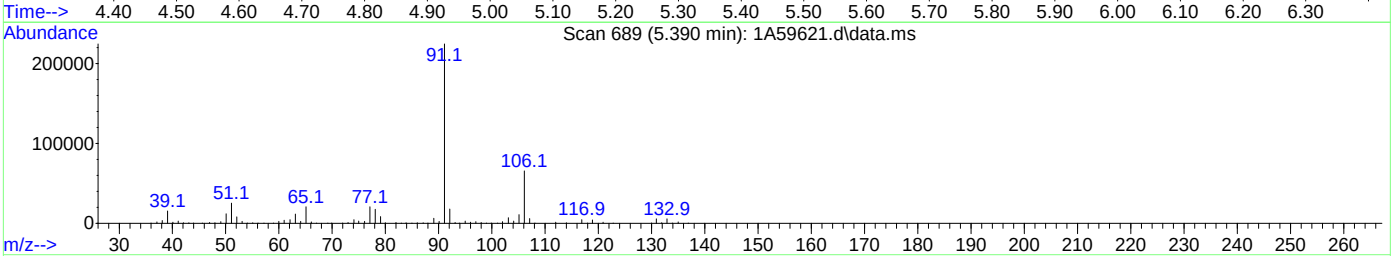
Ion	Exp%	Act%
91.00	100	100
106.00	30.40	29.15
65.00	8.50	9.07
51.00	10.30	11.04

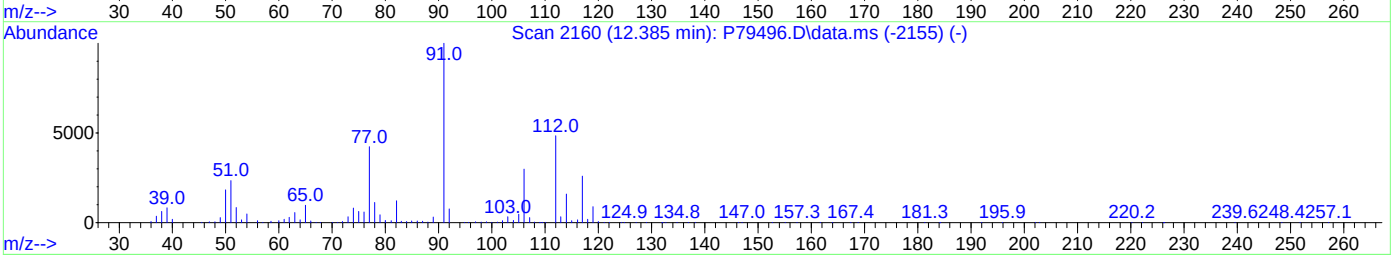
Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\
Data File : 1A59621.d
Acq On : 1 Oct 2024 6:25 pm
Operator : jeniferw
Sample : ECC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 02 01:27:08 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\method\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration







TIC: 1A59621.d\data.ms

(77) Ethylbenzene

5.390min (-0.001) 40.87ug/L m

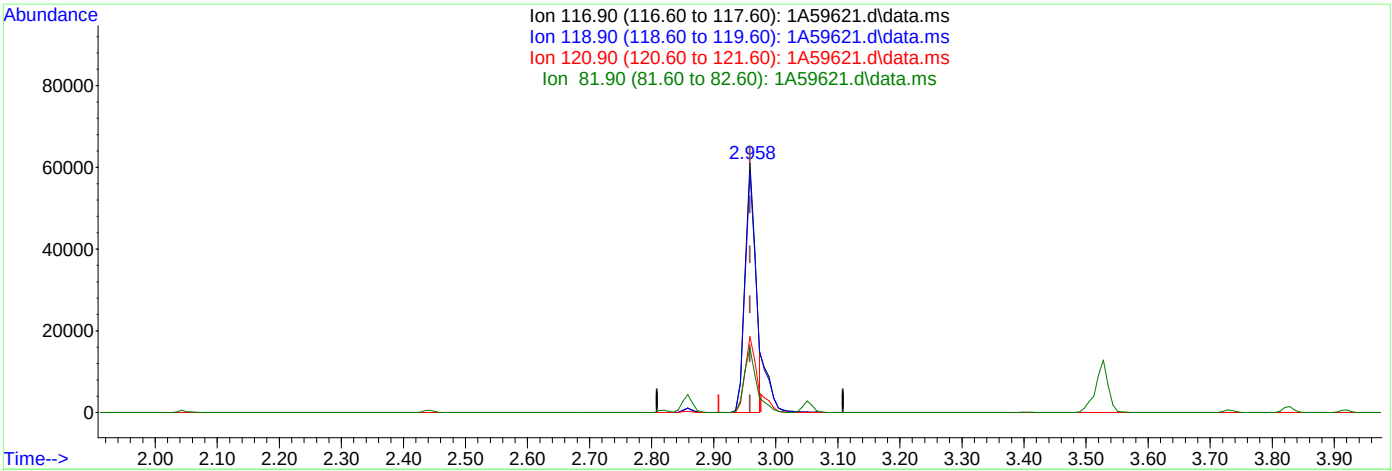
response 242056

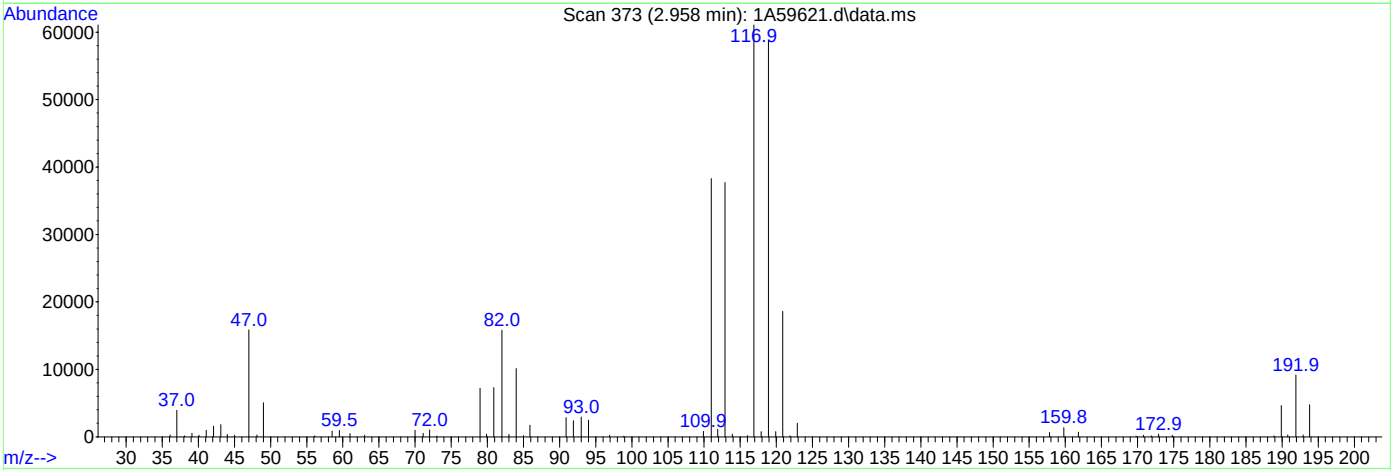
Ion	Exp%	Act%
91.00	100	100
106.00	30.40	29.15
65.00	8.50	9.08
51.00	10.30	11.12

Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\
Data File : 1A59621.d
Acq On : 1 Oct 2024 6:25 pm
Operator : jeniferw
Sample : ECC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 02 01:33:45 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\method\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration





TIC: 1A59621.d\data.ms

(40) Carbon Tetrachloride ( )

2.958min (-0.000) 42.21ug/L m

response 73579

Ion	Exp%	Act%
116.90	100	100
118.90	97.80	96.20
120.90	30.90	30.43
81.90	25.10	25.90

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
08/15/24 14:28

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86790.D
Acq On : 15 Aug 2024 8:48 am
Operator : jeniferw
Sample : IC4046-1 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 15 10:51:46 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	3.977	96	782597	50.00	ug/L		0.00
62) Chlorobenzene-d5	5.970	117	497597	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	7.714	152	229209	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	3.507	113	184554	48.47	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 96.94%				
50) 1,2-Dichloroethane-d4	3.812	65	228961	50.05	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 100.10%				
63) Toluene-d8	4.928	98	750534	50.36	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.72%				
86) 4-Bromofluorobenzene	6.860	174	170730	52.06	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 104.12%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.197	85	4420	1.51	ug/L		88
3) Chloromethane	1.349	50	2991	1.23	ug/L		94
4) 1,3-butadiene	1.422	39	2444	0.95	ug/L		83
5) Vinyl Chloride	1.404	62	3736	1.23	ug/L		92
6) Bromomethane	1.636	94	1871	1.55	ug/L		96
7) Chloroethane	1.715	64	1156	1.49	ug/L		97
8) Trichlorofluoromethane	1.818	101	4477	1.22	ug/L		91
9) Ethyl Ether	2.026	59	2176	0.88	ug/L		87
10) Ethanol	2.129	45	1292m	28.90	ug/L		
11) 1,2-Dichlorotrifluoroe...	2.148	67	3284	0.87	ug/L		88
12) 1,1-Dichloroethene	2.148	61	3696	0.92	ug/L		98
13) Freon 113	2.178	101	2197	0.80	ug/L		98
14) Carbon Disulfide	2.166	76	9447	1.00	ug/L		100
15) Iodomethane	2.239	142	1941	2.67	ug/L		94
16) Acrolein	2.349	56	3550	5.91	ug/L		100
17) Allyl chloride	2.434	41	3090	0.98	ug/L		86
18) Methylene Chloride	2.495	49	4765	1.54	ug/L		91
19) Acetone	2.526	43	9881	7.74	ug/L		95
20) Methyl acetate	2.599	43	15949	4.98	ug/L		97
21) trans-1,2-Dichloroethene	2.593	61	4174	1.02	ug/L		95
22) Hexane	2.641	56	1747	0.87	ug/L	#	88
23) Methyl Tert Butyl Ether	2.660	73	9072	0.91	ug/L		91
24) Tert Butyl Alcohol	2.709	59	7800	10.73	ug/L		96
25) Acetonitrile	2.794	41	6406	13.68	ug/L		96
26) Di-isopropyl ether	2.873	45	6991	0.91	ug/L		98
27) Chloroprene	2.934	53	2956	0.88	ug/L		91
28) 1,1-Dichloroethane	2.946	63	5117	0.94	ug/L		91
29) Acrylonitrile	2.971	52	7110	5.30	ug/L		95
30) ETBE	3.080	59	7529	0.86	ug/L		93
31) Vinyl acetate	3.080	43	26358	4.46	ug/L		99
32) cis-1,2-Dichloroethene	3.251	96	3362	1.01	ug/L		91
33) 2,2-Dichloropropane	3.318	77	3707	0.85	ug/L		95
34) Bromochloromethane	3.367	128	1432	0.94	ug/L		94
35) Cyclohexane	3.373	56	3176	0.76	ug/L		87
36) Chloroform	3.404	83	5869	0.97	ug/L		97
37) Ethyl acetate	3.464	43	22453	5.25	ug/L		98
38) Tetrahydrofuran	3.495	42	1978	1.21	ug/L		95
40) Carbon Tetrachloride	3.495	117	2867	0.93	ug/L	#	82
41) 1,1,1-Trichloroethane	3.532	97	4031	0.89	ug/L		91
42) 2-Butanone	3.574	43	13840	6.15	ug/L		97
43) 1,1-Dichloropropene	3.592	75	3936	0.98	ug/L		94
44) tert-Butyl formate	3.653	59	6686	3.03	ug/L	#	82

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86790.D
Acq On : 15 Aug 2024 8:48 am
Operator : jeniferw
Sample : IC4046-1 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 15 10:51:46 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Propionitrile	3.745	54	8119	11.88	ug/L		91
46) Methacrylonitrile	3.757	41	24474	10.53	ug/L		98
47) Benzene	3.739	78	13450	0.98	ug/L		96
48) TAME	3.897	73	3818	0.91	ug/L	#	80
49) Isobutyl alcohol	3.836	43	4960m	21.80	ug/L		
51) 1,2-Dichloroethane	3.855	62	4216	1.02	ug/L		96
52) Tert Amyl Alcohol	3.897	59	5343	9.25	ug/L		88
53) Trichloroethene	4.074	95	3813	1.12	ug/L		93
54) Methylcyclohexane	4.074	83	3753	0.78	ug/L		98
55) Dibromomethane	4.324	93	2109	0.97	ug/L		90
56) 1,2-Dichloropropane	4.385	63	2865	0.89	ug/L		91
57) Bromodichloromethane	4.422	83	3336	0.88	ug/L		96
58) Methyl methacrylate	4.507	41	2612	0.98	ug/L		90
59) 1,4-Dioxane	4.537	88	1319	22.86	ug/L		95
60) 2-Chloroethyl vinyl ether	4.763	63	10668	4.30	ug/L		94
61) cis-1,3-Dichloropropene	4.812	75	4037	0.84	ug/L		97
64) Toluene	4.964	91	13462	1.01	ug/L		99
65) 2-Nitropropane	5.104	41	1873	2.51	ug/L	#	84
66) 4-Methyl-2-pentanone	5.196	43	19815	5.24	ug/L		97
67) trans-1,3-Dichloropropene	5.226	75	3594	0.81	ug/L		96
68) Tetrachloroethene	5.214	166	2620	0.97	ug/L		98
69) Ethyl methacrylate	5.324	69	3528	0.83	ug/L		86
70) 1,1,2-Trichloroethane	5.330	83	2728	1.03	ug/L	#	81
71) Dibromochloromethane	5.458	129	1793	0.81	ug/L		87
72) 1,3-Dichloropropane	5.513	76	5261	0.98	ug/L		91
73) 1,2-Dibromoethane	5.617	107	2801	0.93	ug/L		96
74) 3,3-dimethyl-1-butanol	5.732	57	25031	42.15	ug/L		93
75) 2-hexanone	5.757	43	19605	5.12	ug/L		93
76) 1-Chlorohexane	5.964	91	4467m	1.05	ug/L		
77) Ethylbenzene	5.994	91	14476	1.01	ug/L		96
78) Chlorobenzene	5.982	112	8094	0.99	ug/L		81
79) 1,1,1,2-Tetrachloroethane	6.025	131	1748	0.79	ug/L		91
80) m,p-Xylene	6.098	91	20938	1.87	ug/L		97
81) o-Xylene	6.409	91	9960	0.89	ug/L		98
82) Styrene	6.452	104	6548	0.80	ug/L		95
83) Bromoform	6.470	173	845m	0.77	ug/L		
84) Isopropylbenzene	6.641	105	11130	0.91	ug/L		97
87) cis-1,4-Dichloro-2-butene	6.903	53	843m	0.89	ug/L		
88) n-Propylbenzene	6.958	91	13701	0.96	ug/L		98
89) Bromobenzene	6.939	156	2902	1.06	ug/L		92
90) 1,1,2,2-Tetrachloroethane	7.006	83	4709	1.05	ug/L		96
91) 1,3,5-Trimethylbenzene	7.110	105	8467	0.90	ug/L		93
92) 2-Chlorotoluene	7.080	91	9903	1.01	ug/L		98
93) trans-1,4-Dichloro-2-B...	7.141	53	953m	1.17	ug/L		
94) 1,2,3-Trichloropropane	7.110	110	1528	1.11	ug/L		96
95) Cyclohexanone	7.141	55	1076m	6.55	ug/L		
96) 4-Chlorotoluene	7.208	91	8999	0.97	ug/L		97
97) tert-Butylbenzene	7.360	91	5042	0.94	ug/L		93
99) 1,2,4-Trimethylbenzene	7.409	105	7893	0.84	ug/L		98
100) Pentachloroethane	7.372	167	732m	0.80	ug/L		
101) sec-Butylbenzene	7.494	105	9744	0.90	ug/L		95
102) 4-Isopropyltoluene	7.604	119	7144	0.81	ug/L		94
103) 1,3-Dichlorobenzene	7.659	146	5298	1.03	ug/L		93
104) 1,2,3-Trimethylbenzene	7.738	105	9670	0.94	ug/L		92
105) 1,4-Dichlorobenzene	7.726	146	5211m	0.97	ug/L		
106) n-Butylbenzene	7.915	92	4854	0.92	ug/L	#	77
107) Benzyl Chloride	7.909	126	648m	0.69	ug/L		
108) 1,2-Dichlorobenzene	8.037	146	4781	0.97	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86790.D
Acq On : 15 Aug 2024 8:48 am
Operator : jeniferw
Sample : IC4046-1 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 15 10:51:46 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration

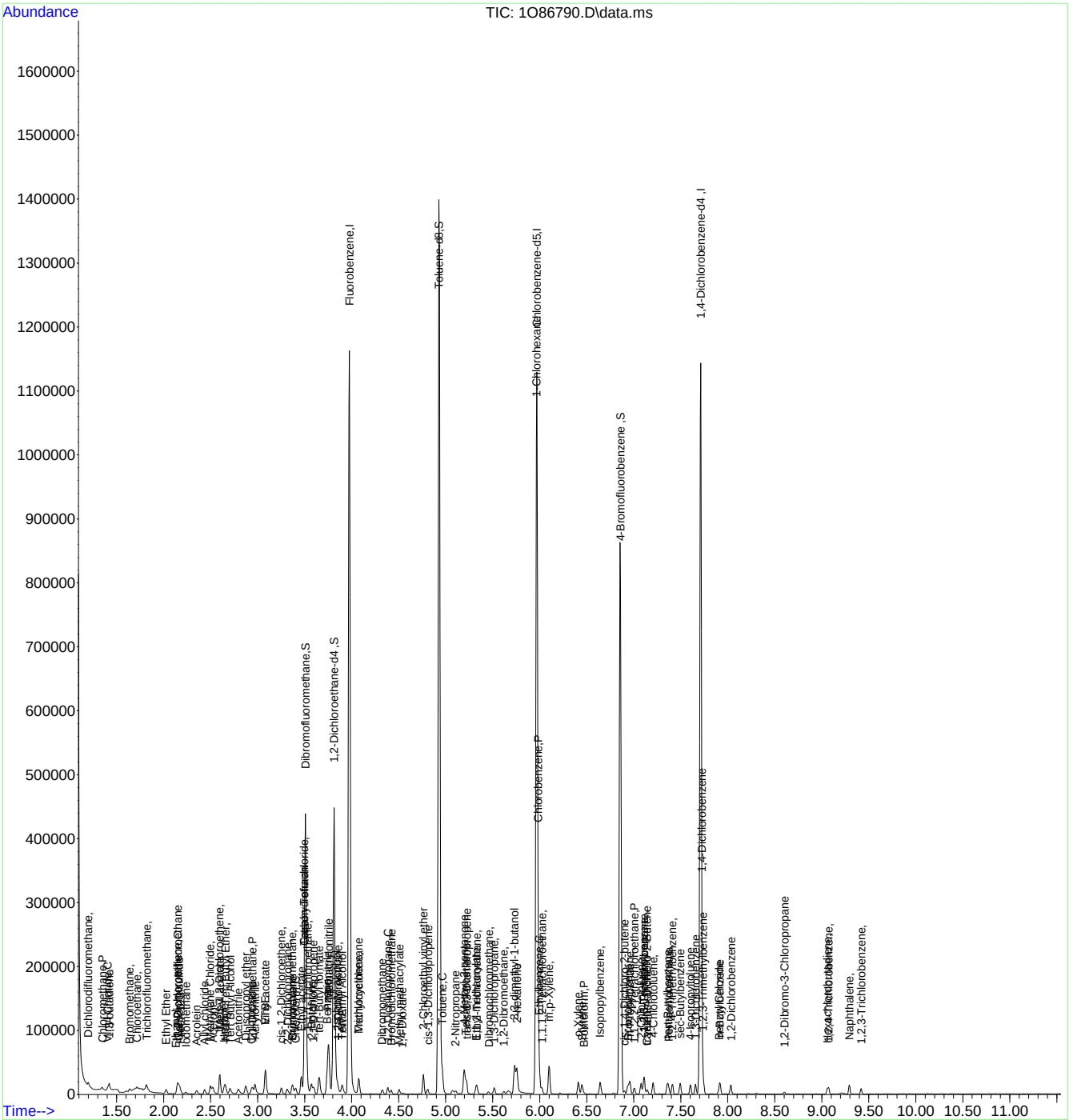
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
109) 1,2-Dibromo-3-Chloropr...	8.604	75	847m	0.94	ug/L	
110) Hexachlorobutadiene	9.061	225	1346	1.49	ug/L	83
111) 1,2,4-Trichlorobenzene	9.073	180	2335	0.89	ug/L	96
112) Naphthalene	9.293	128	8384	0.79	ug/L	99
113) 1,2,3-Trichlorobenzene	9.421	180	2201	0.88	ug/L	90

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86790.D
Acq On : 15 Aug 2024 8:48 am
Operator : jeniferw
Sample : IC4046-1 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 15 10:51:46 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration



Manual Integration Approval Summary

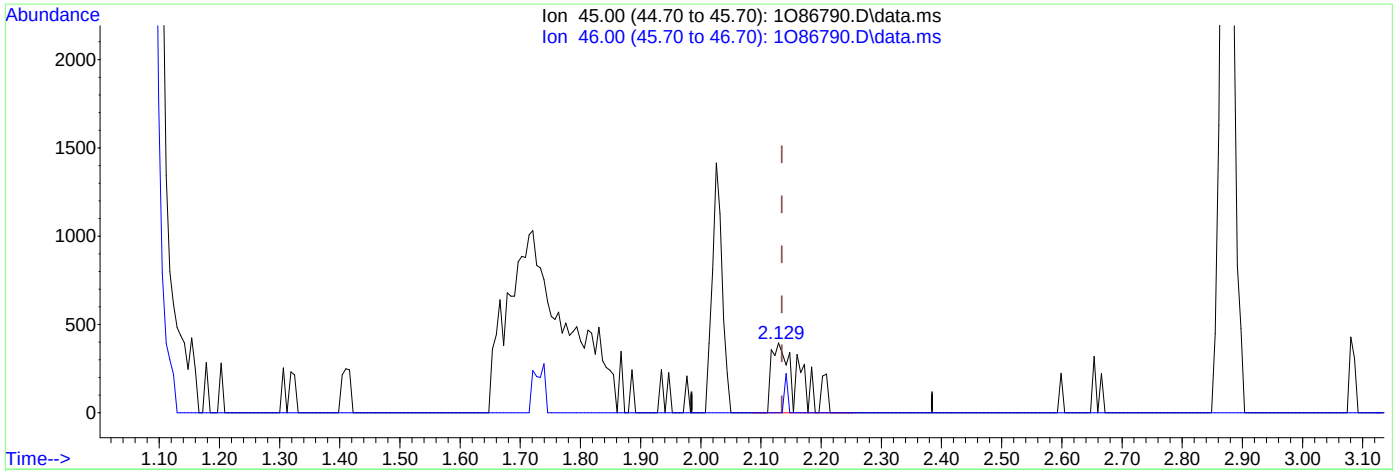
Sample Number: V1O4046-IC4046
Lab FileID: 1O86790.D
Injection Time: 08/15/24 08:48
Method: SW846 8260D
Analyst approved: 08/15/24 13:51 Jenifer Willis
Supervisor approved: 08/15/24 14:28 Karen Watson

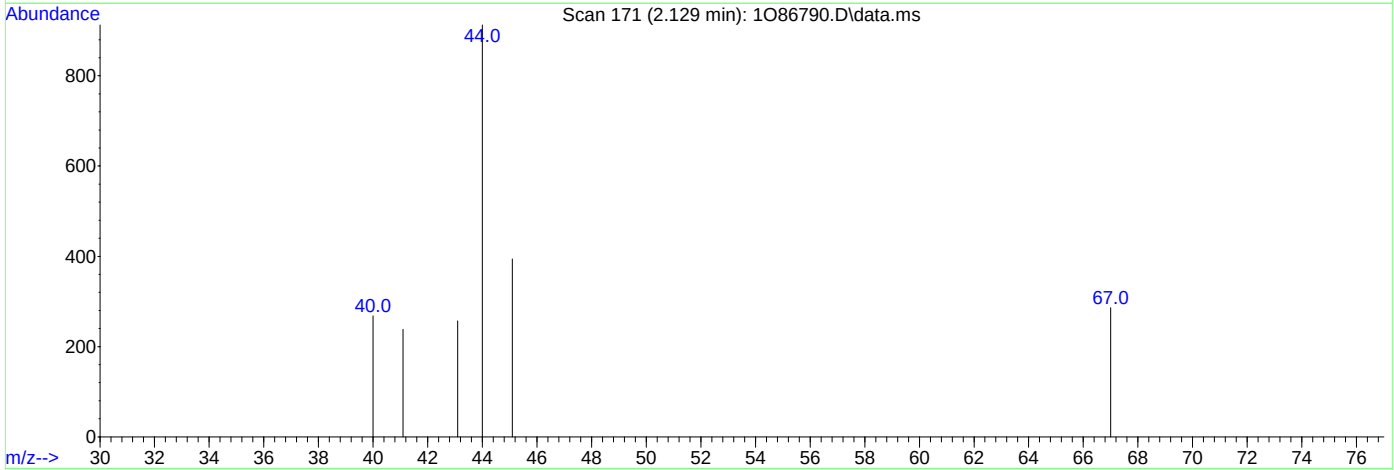
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		2.13	Missed peak
Isobutyl Alcohol	78-83-1		3.84	Poorly defined baseline
1-Chlorohexane	544-10-5		5.96	Poorly defined baseline
Bromoform	75-25-2		6.47	Missed peak
cis-1,4-Dichloro-2-Butene	1476-11-5		6.90	Missed peak
Cyclohexanone	108-94-1		7.14	Missed peak
trans-1,4-Dichloro-2-Butene	110-57-6		7.14	Missed peak
Pentachloroethane	76-01-7		7.37	Missed peak
1,4-Dichlorobenzene	106-46-7		7.73	Missed peak
Benzyl Chloride	100-44-7		7.91	Missed peak
1,2-Dibromo-3-chloropropane	96-12-8		8.60	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86790.D
Acq On : 15 Aug 2024 8:48 am
Operator : jeniferw
Sample : IC4046-1 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 15 10:48:36 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration





TIC: 1O86790.D\data.ms

(10) Ethanol

2.129min (-0.006) 28.90ug/L m

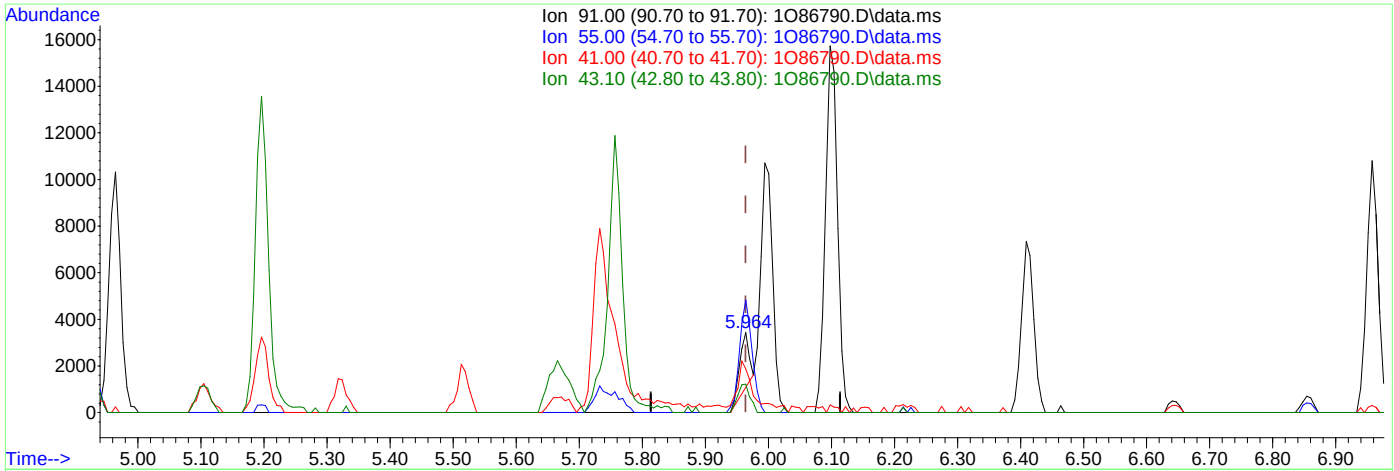
response 1292

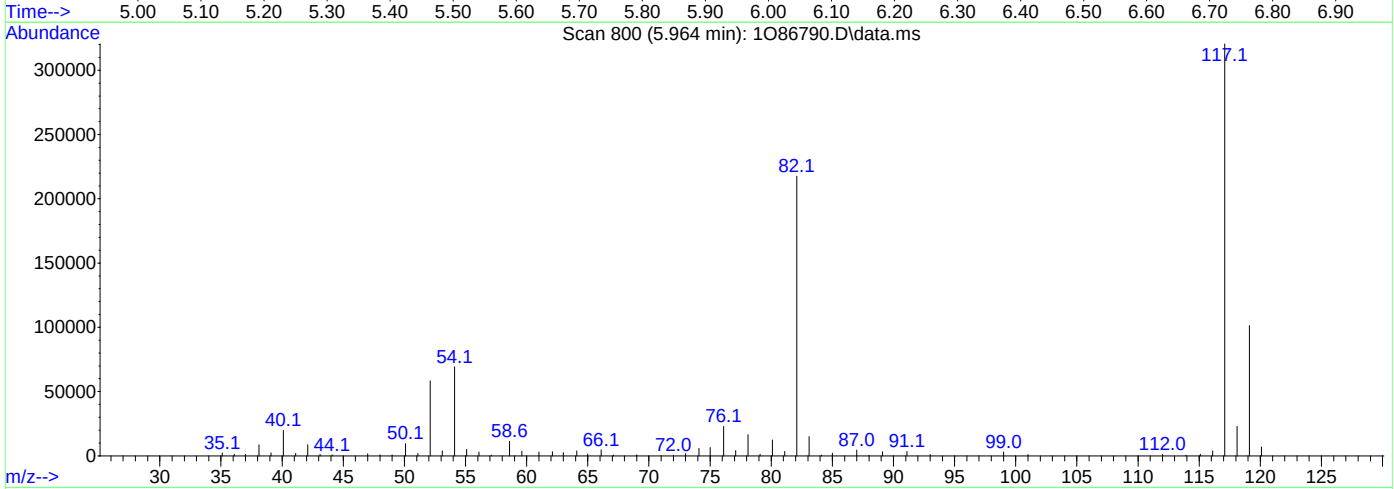
Ion	Exp%	Act%
45.00	100	100
46.00	38.20	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86790.D
Acq On : 15 Aug 2024 8:48 am
Operator : jeniferw
Sample : IC4046-1 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 15 10:45:54 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration





TIC: 1O86790.D\data.ms

(76) 1-Chlorohexane

5.964min (-0.000) 0.63ug/L

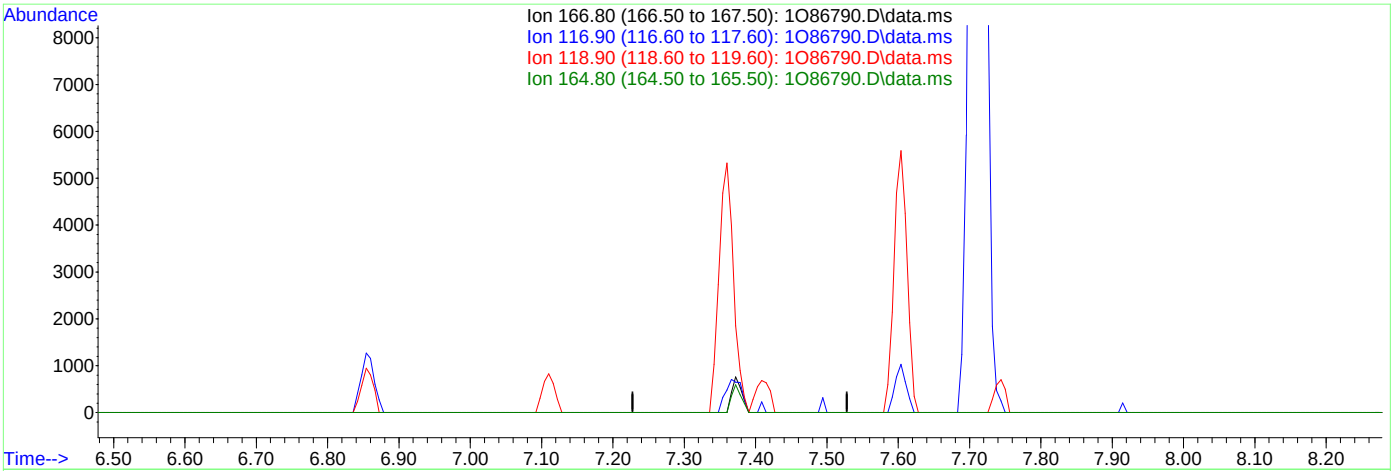
response 2693

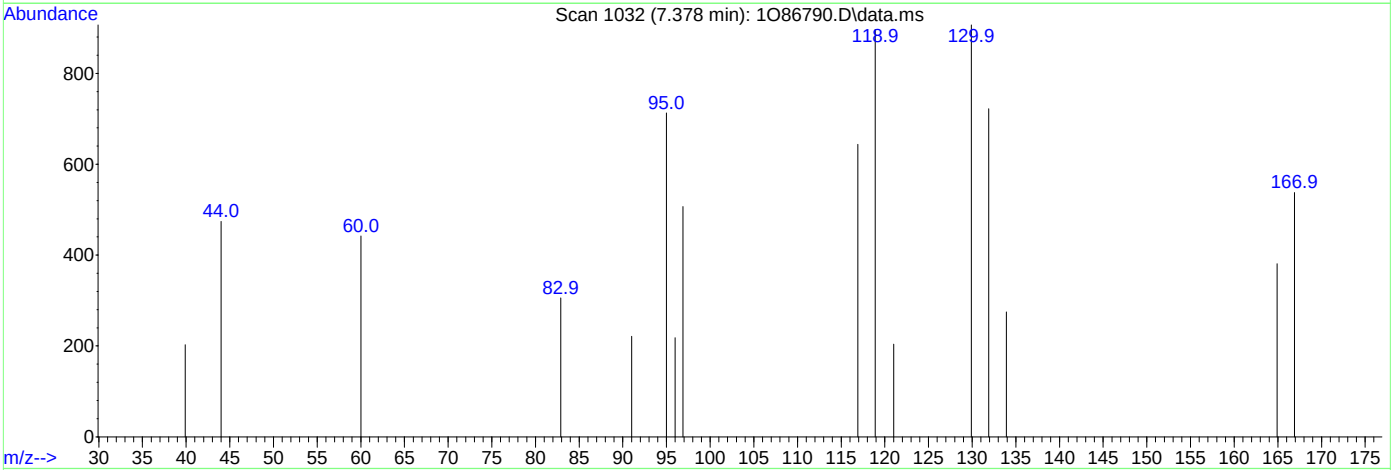
Ion	Exp%	Act%
91.00	100	100
55.00	60.10	134.17#
41.00	42.20	45.49
43.10	35.10	35.63

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86790.D
Acq On : 15 Aug 2024 8:48 am
Operator : jeniferw
Sample : IC4046-1 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 15 10:45:54 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration





TIC: 1O86790.D\data.ms

(100) Pentachloroethane ( )

7.378min (-7.378) 0.00ug/L

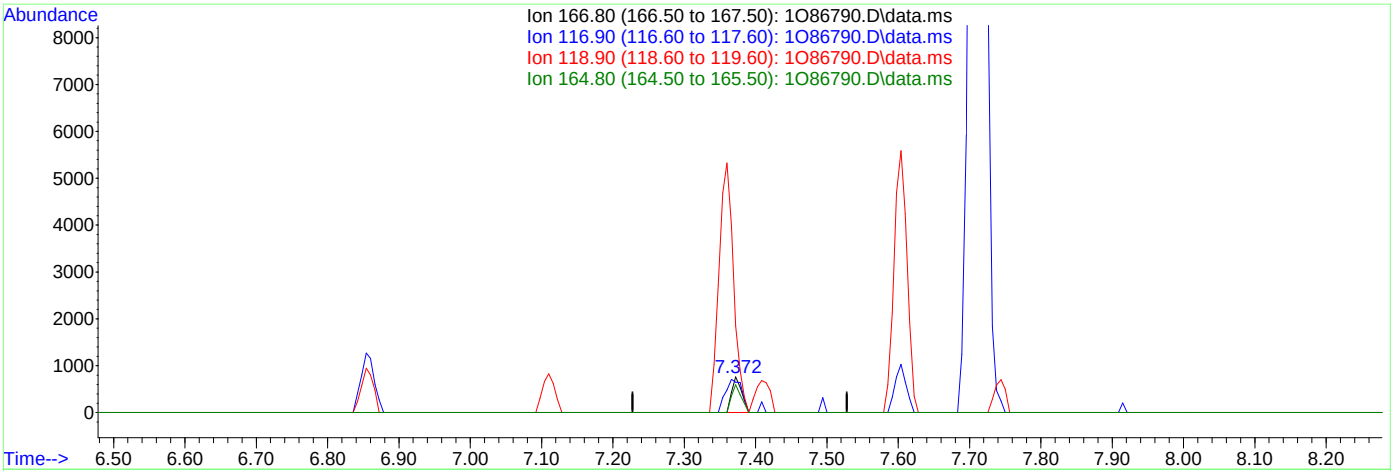
response 0

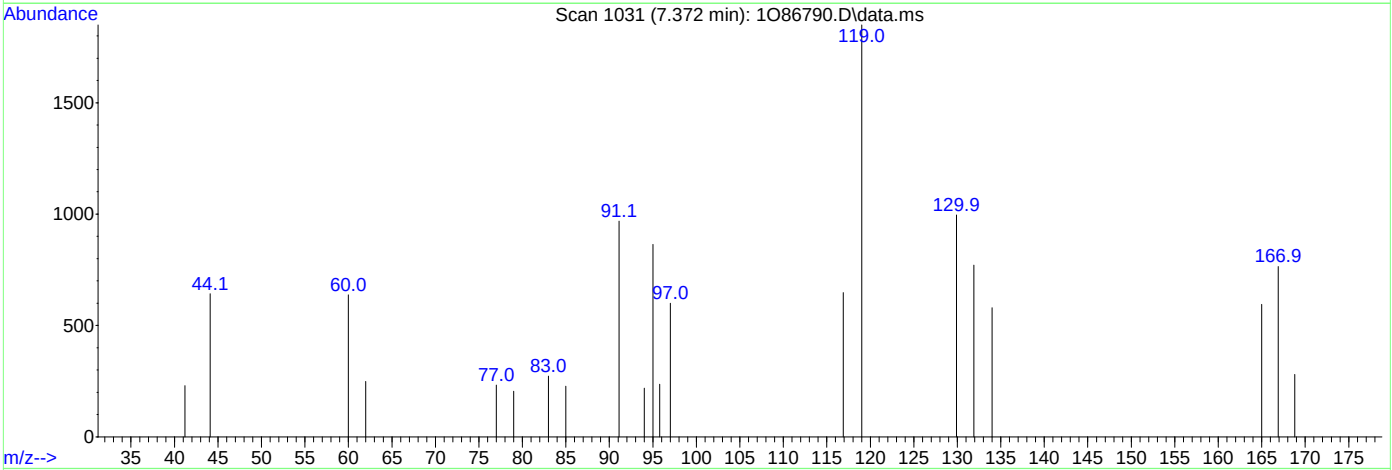
Ion	Exp%	Act%
166.80	100	0.00
116.90	121.30	0.00#
118.90	201.00	0.00#
164.80	80.60	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86790.D
Acq On : 15 Aug 2024 8:48 am
Operator : jeniferw
Sample : IC4046-1 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 15 10:45:54 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration





TIC: 1O86790.D\data.ms

(100) Pentachloroethane ( )

7.372min (-0.006) 0.80ug/L m

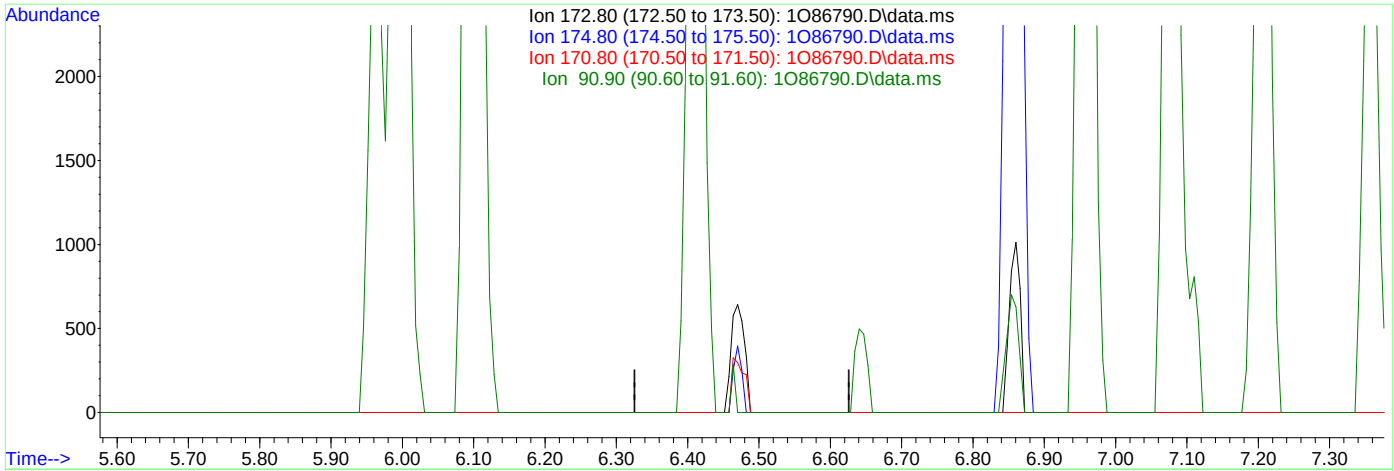
response 732

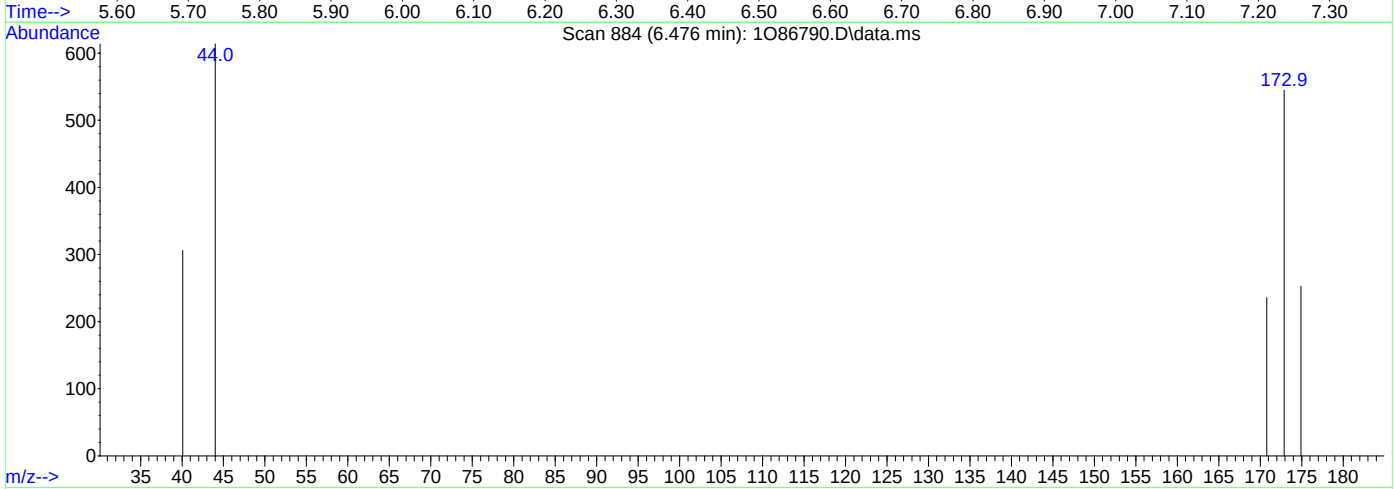
Ion	Exp%	Act%
166.80	100	100
116.90	121.30	84.82#
118.90	201.00	242.15#
164.80	80.60	77.88

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86790.D
Acq On : 15 Aug 2024 8:48 am
Operator : jeniferw
Sample : IC4046-1 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 15 10:45:54 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration





TIC: 1O86790.D\data.ms

(83) Bromoform (P)

6.476min (-6.476) 0.00ug/L

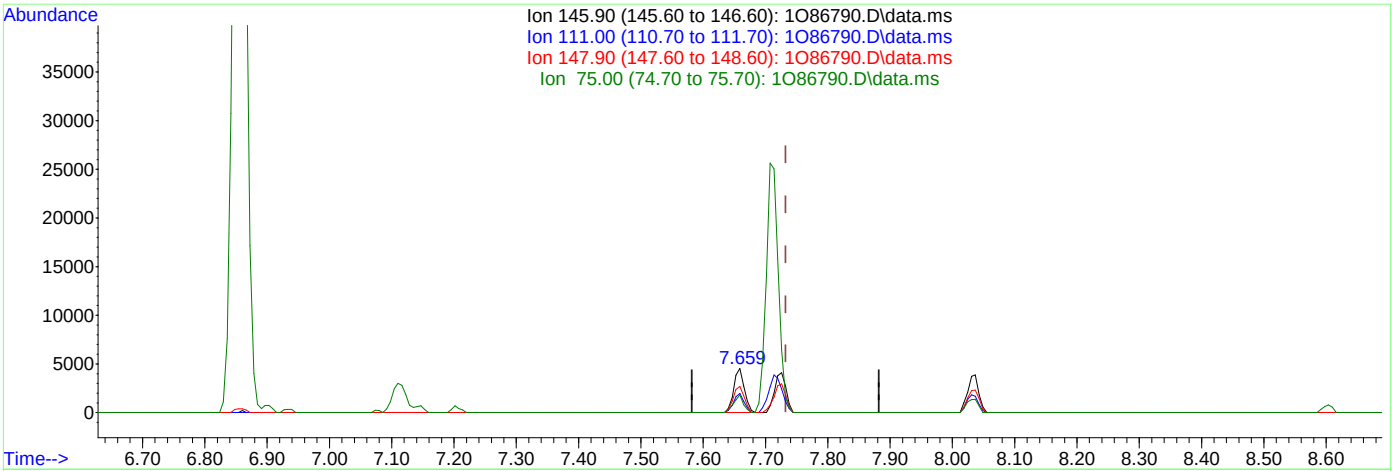
response 0

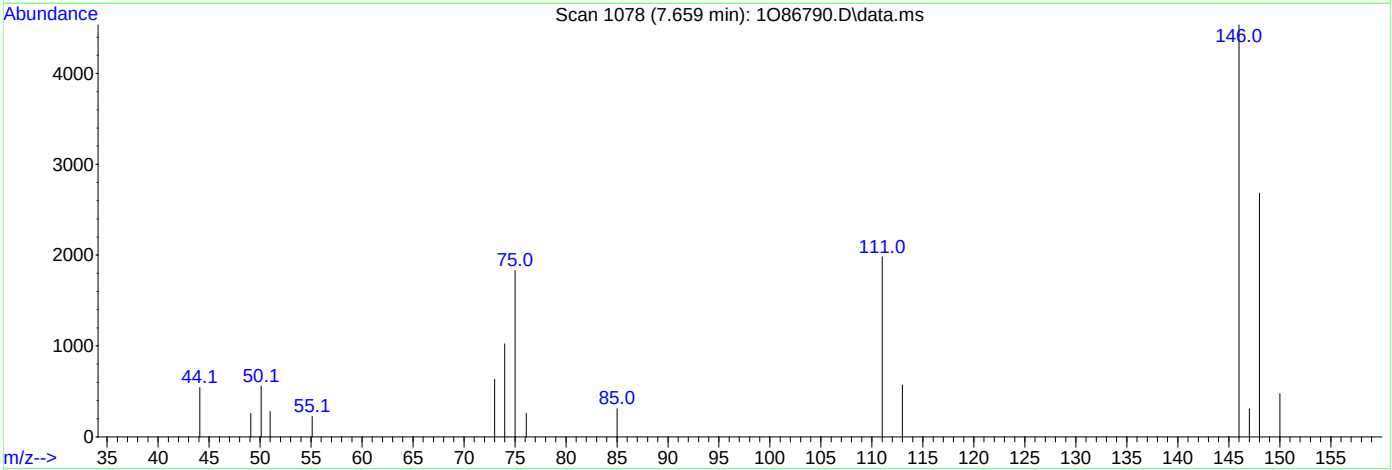
Ion	Exp%	Act%
172.80	100	0.00
174.80	49.30	0.00#
170.80	50.80	0.00#
90.90	28.20	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86790.D
Acq On : 15 Aug 2024 8:48 am
Operator : jeniferw
Sample : IC4046-1 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 15 10:45:54 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration





TIC: 1O86790.D\data.ms

(105) 1,4-Dichlorobenzene

7.659min (-0.073) 0.98ug/L

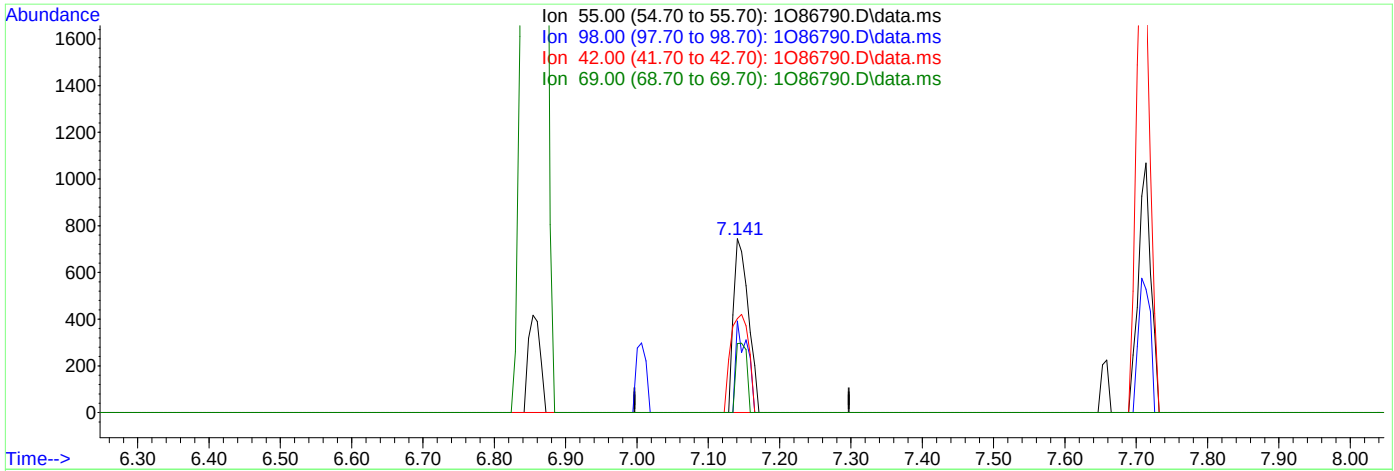
response 5298

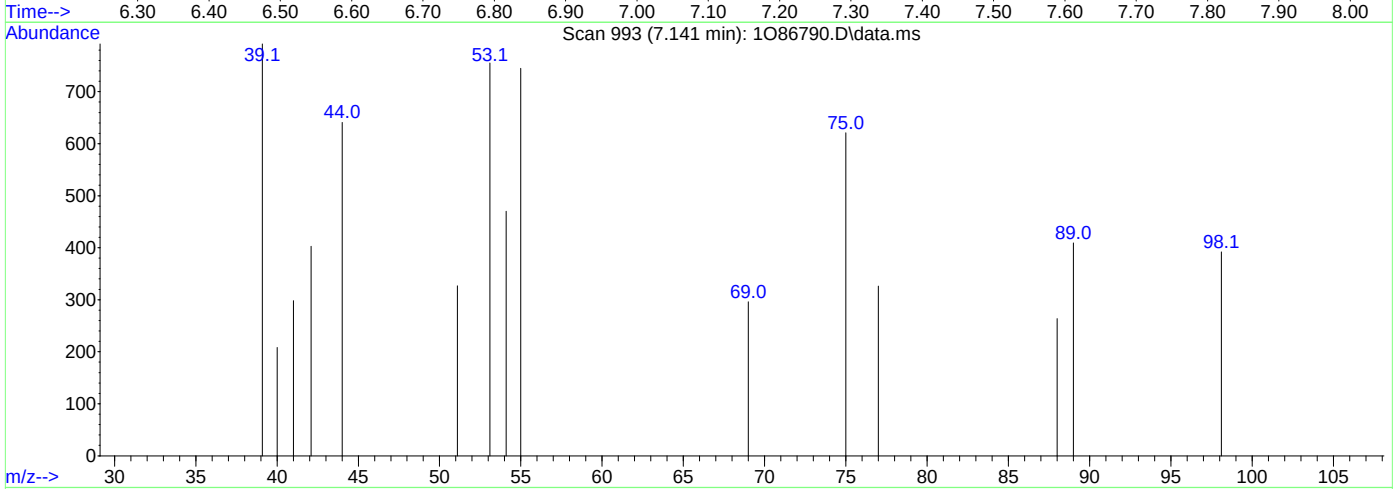
Ion	Exp%	Act%
145.90	100	100
111.00	42.70	43.72
147.90	64.10	59.17
75.00	37.00	40.34

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86790.D
Acq On : 15 Aug 2024 8:48 am
Operator : jeniferw
Sample : IC4046-1 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 15 10:45:54 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration





TIC: 1O86790.D\data.ms

(95) Cyclohexanone

7.141min (-0.006) 6.55ug/L m

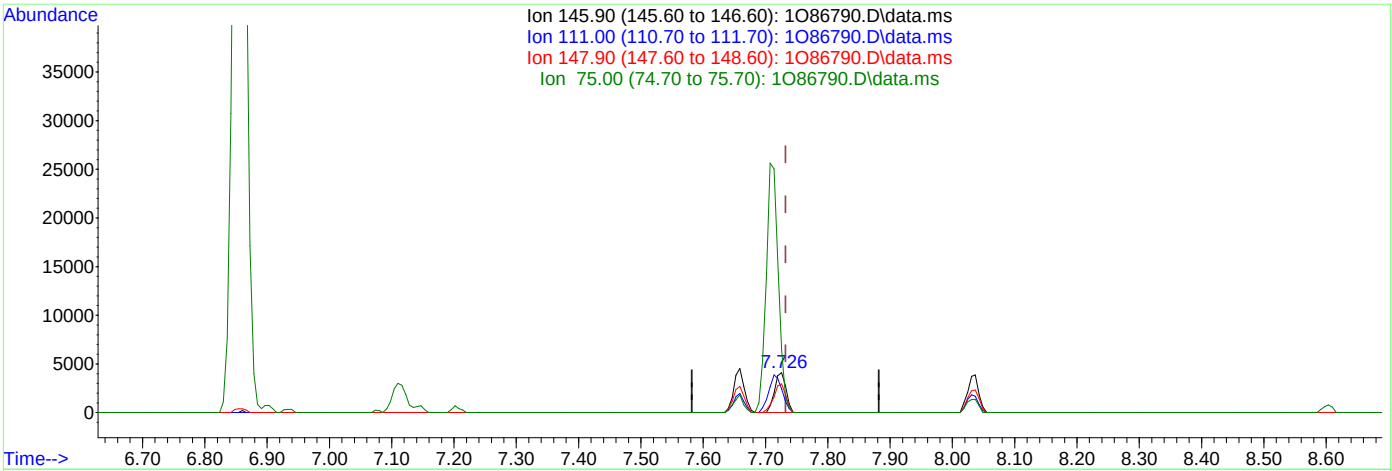
response 1076

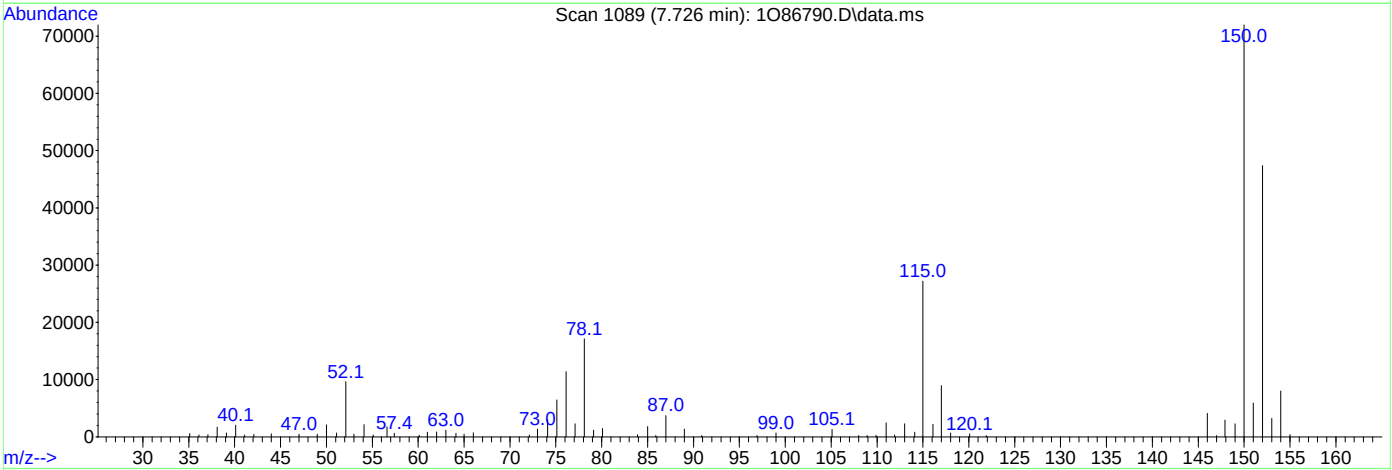
Ion	Exp%	Act%
55.00	100	100
98.00	52.70	52.62
42.00	62.20	54.09
69.00	38.10	39.73

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86790.D
Acq On : 15 Aug 2024 8:48 am
Operator : jeniferw
Sample : IC4046-1 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 15 10:45:54 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration





TIC: 1O86790.D\data.ms

(105) 1,4-Dichlorobenzene

7.726min (-0.006) 0.97ug/L m

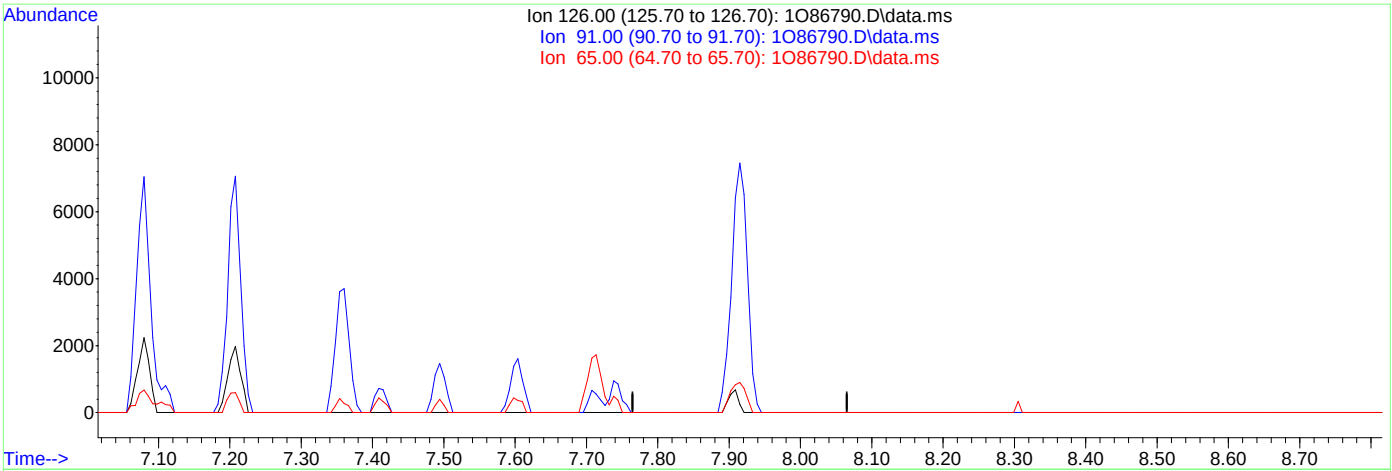
response 5211

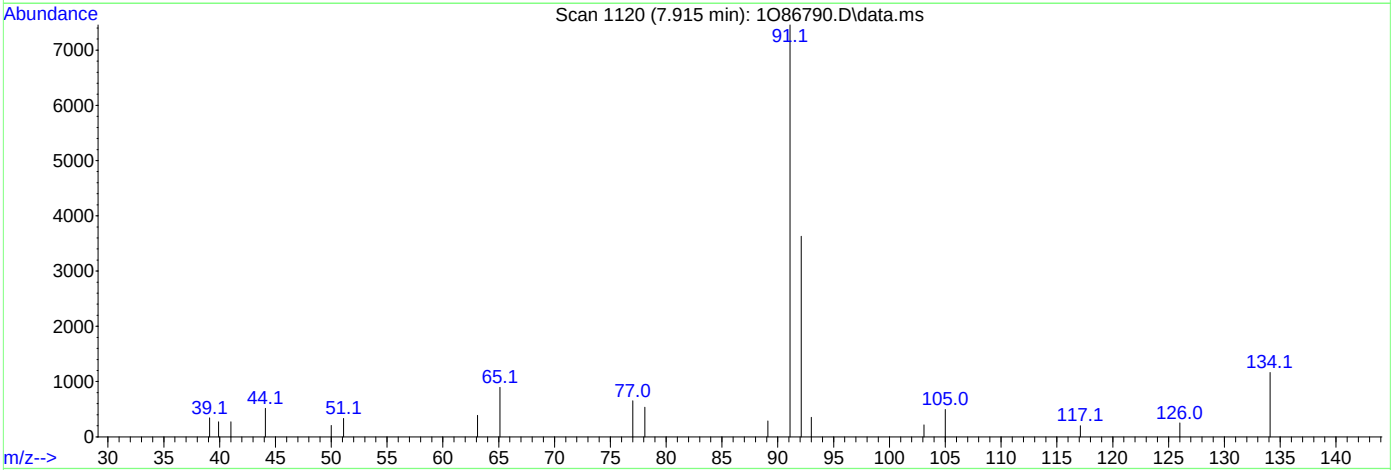
Ion	Exp%	Act%
145.90	100	100
111.00	42.70	58.94
147.90	64.10	71.59
75.00	37.00	157.36#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86790.D
Acq On : 15 Aug 2024 8:48 am
Operator : jeniferw
Sample : IC4046-1 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 15 10:45:54 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration





TIC: 1O86790.D\data.ms

(107) Benzyl Chloride

7.915min (-7.915) 0.00ug/L

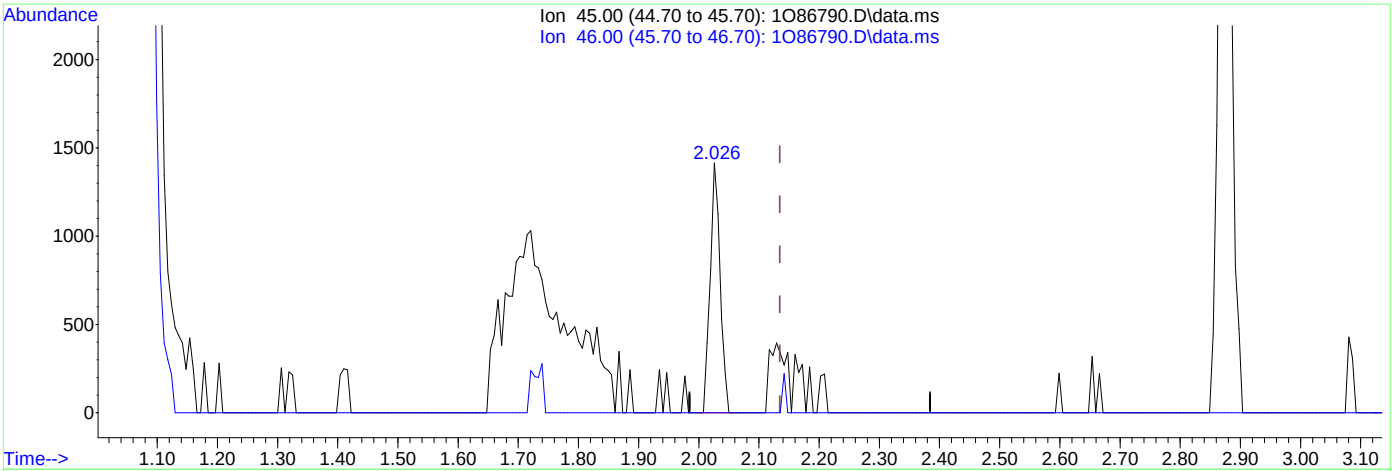
response 0

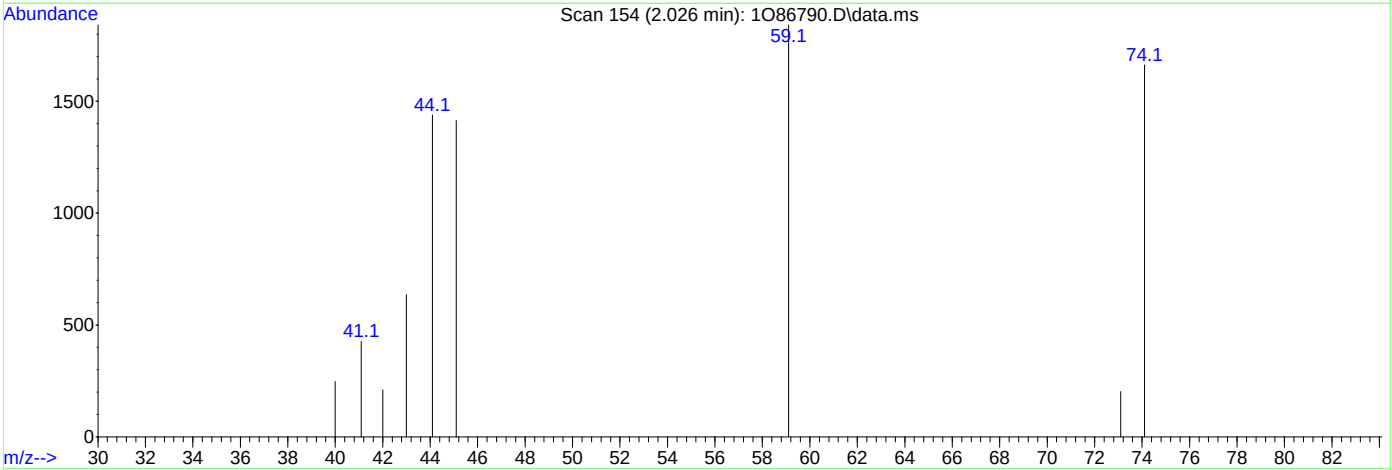
Ion	Exp%	Act%
126.00	100	0.00
91.00	897.60	0.00#
65.00	106.40	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86790.D
Acq On : 15 Aug 2024 8:48 am
Operator : jeniferw
Sample : IC4046-1 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 15 10:48:36 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration





TIC: 1O86790.D\data.ms

(10) Ethanol

2.026min (-0.109) 36.75ug/L

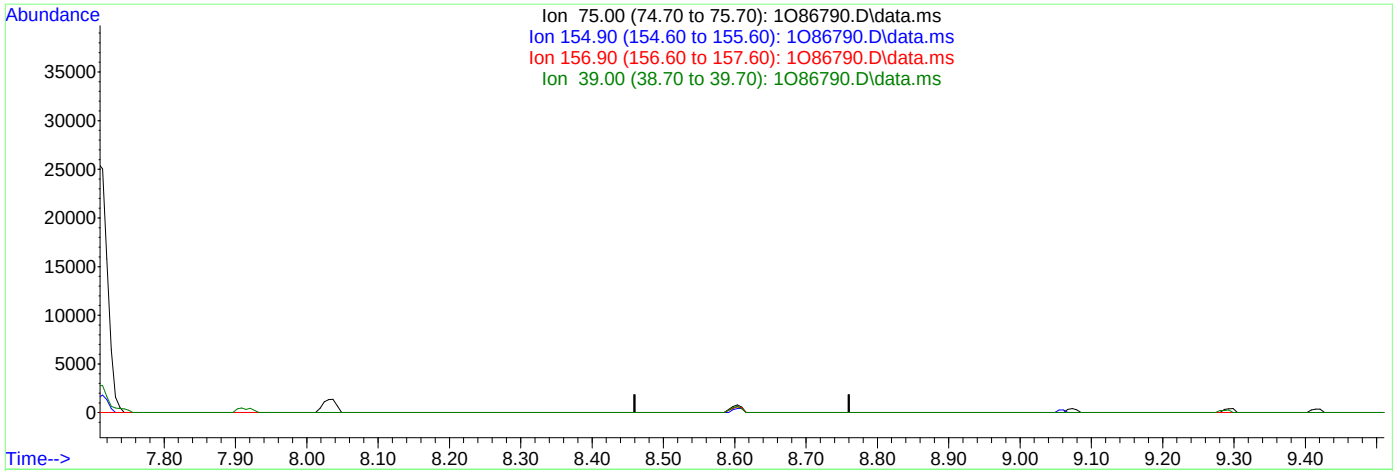
response 1643

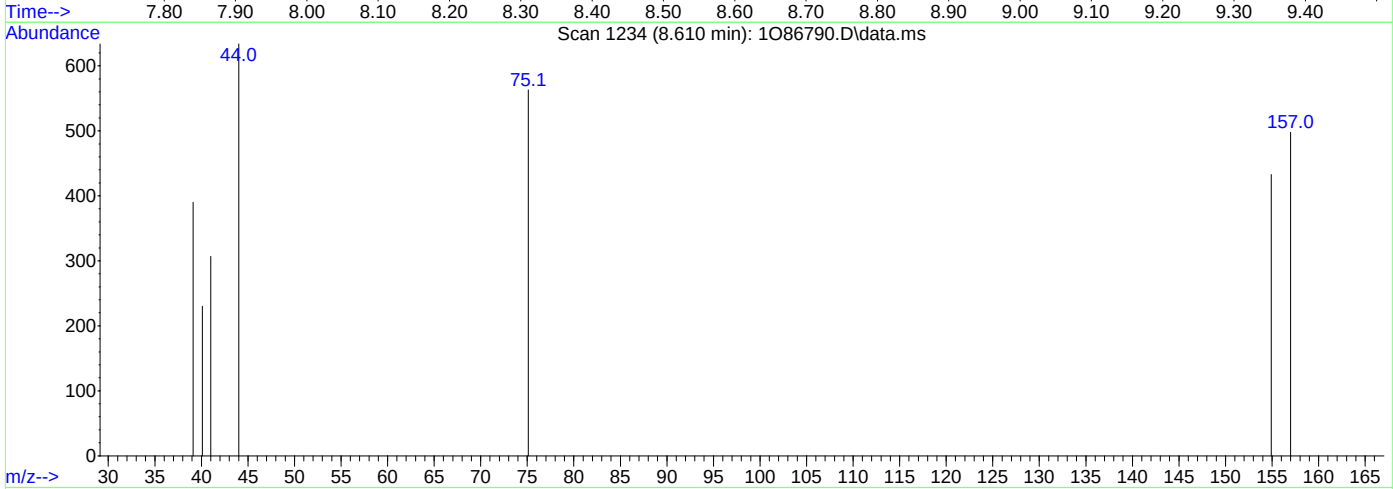
Ion	Exp%	Act%
45.00	100	100
46.00	38.20	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86790.D
Acq On : 15 Aug 2024 8:48 am
Operator : jeniferw
Sample : IC4046-1 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 15 10:45:54 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration





TIC: 1O86790.D\data.ms

(109) 1,2-Dibromo-3-Chloropropane

8.610min (-8.610) 0.00ug/L

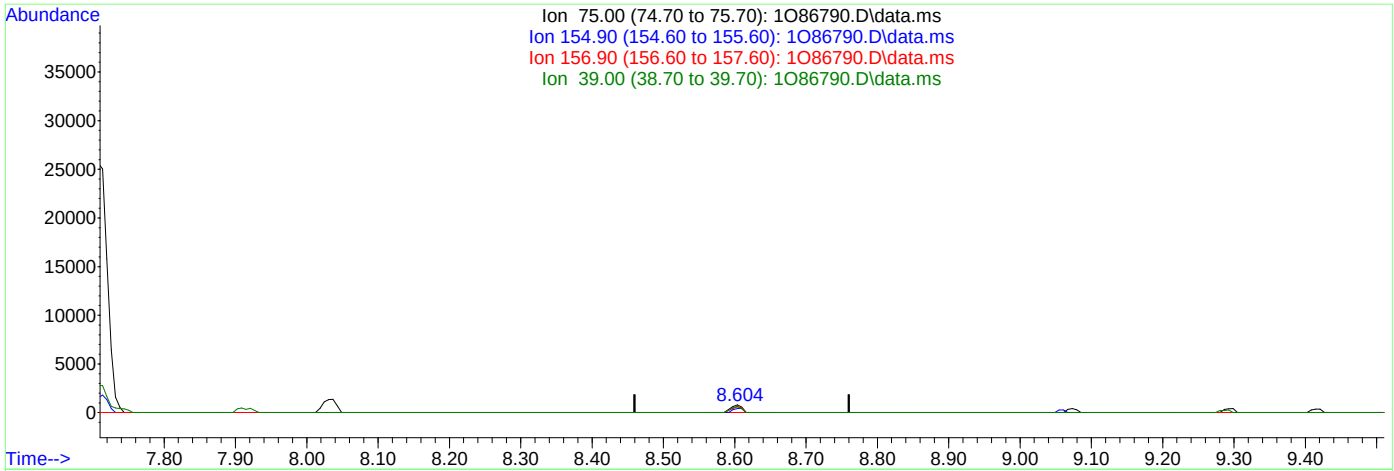
response 0

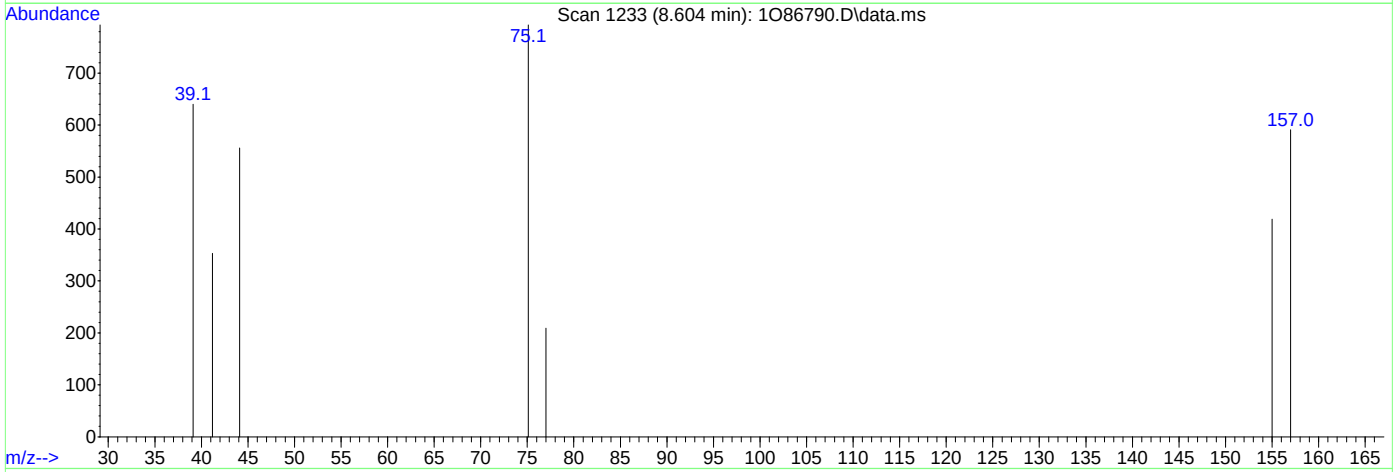
Ion	Exp%	Act%
75.00	100	0.00
154.90	68.80	0.00#
156.90	87.40	0.00#
39.00	56.70	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86790.D
Acq On : 15 Aug 2024 8:48 am
Operator : jeniferw
Sample : IC4046-1 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 15 10:45:54 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration





TIC: 1O86790.D\data.ms

(109) 1,2-Dibromo-3-Chloropropane

8.604min (-0.006) 0.94ug/L m

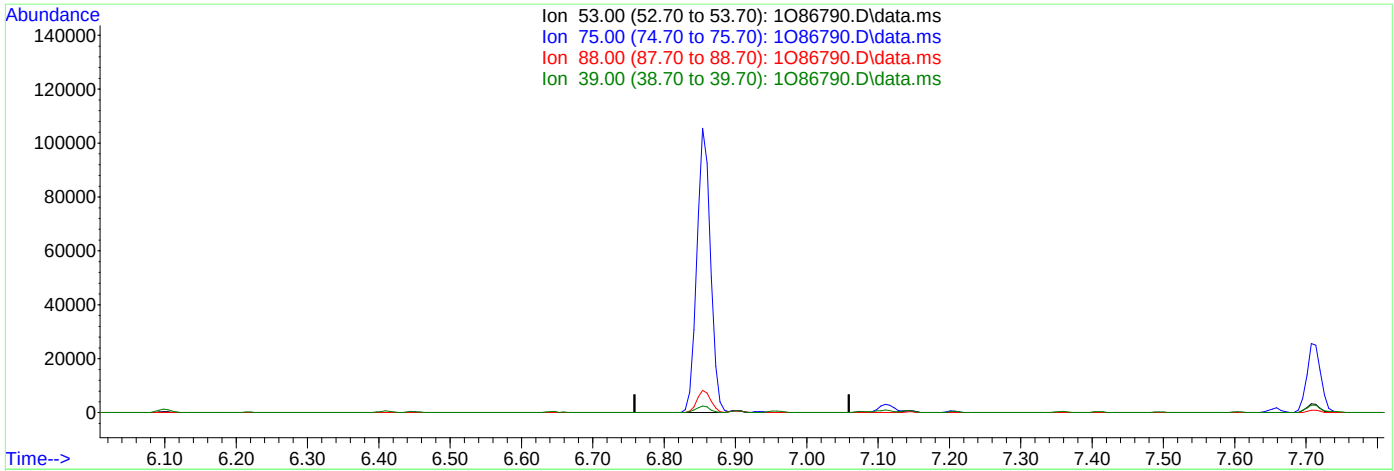
response 847

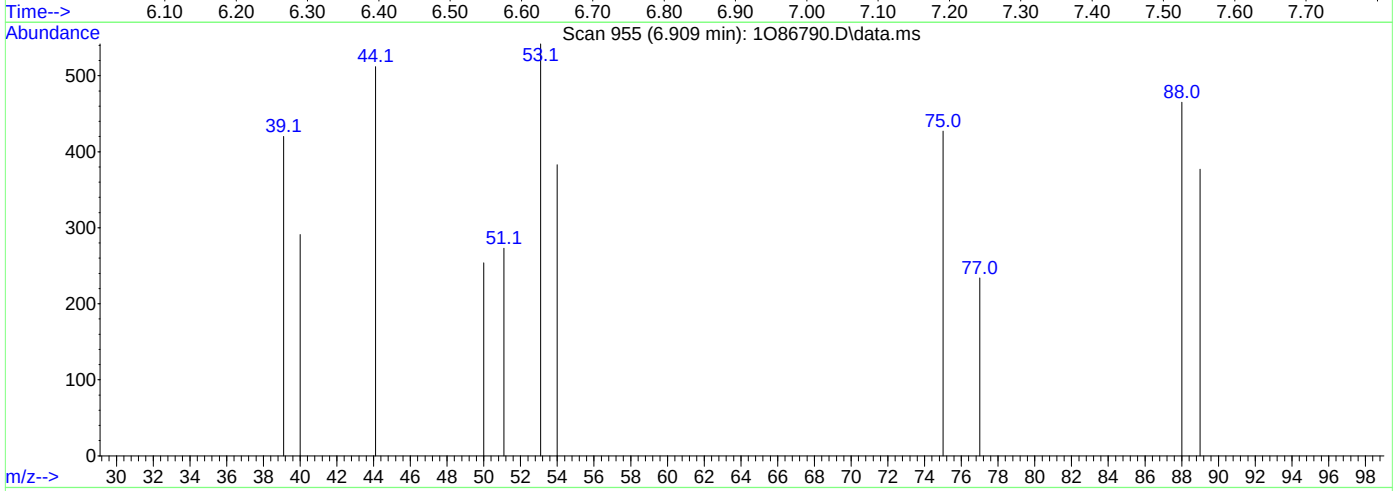
Ion	Exp%	Act%
75.00	100	100
154.90	68.80	52.84
156.90	87.40	74.53
39.00	56.70	80.71

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86790.D
Acq On : 15 Aug 2024 8:48 am
Operator : jeniferw
Sample : IC4046-1 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 15 10:45:54 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration





TIC: 1O86790.D\data.ms

(87) cis-1,4-Dichloro-2-butene

6.909min (-6.909) 0.00ug/L

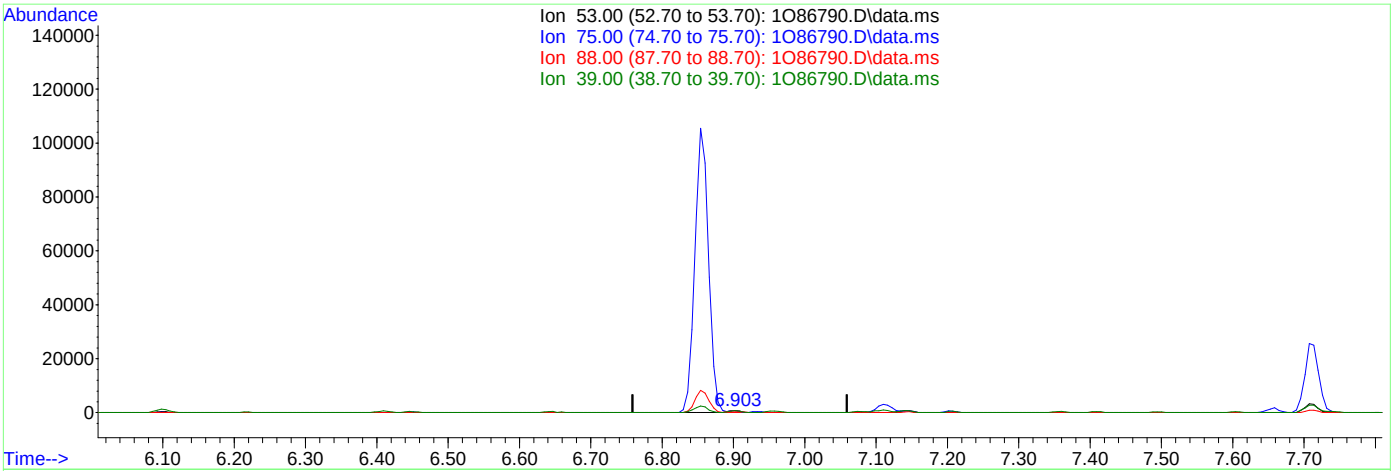
response 0

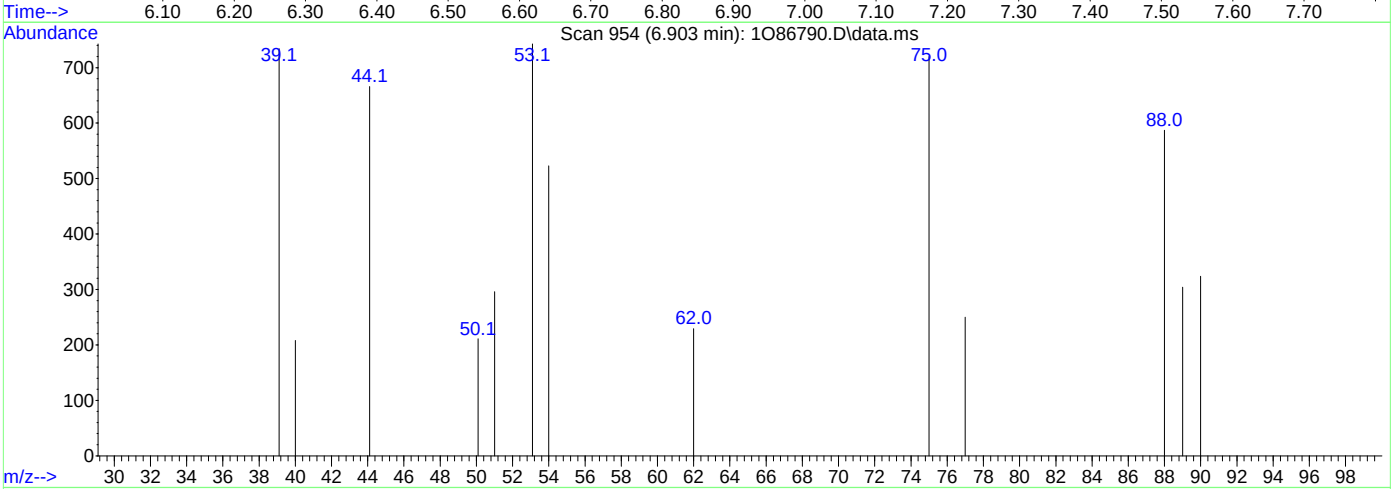
Ion	Exp%	Act%
53.00	100	0.00
75.00	87.70	0.00#
88.00	128.50	0.00#
39.00	43.70	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86790.D
Acq On : 15 Aug 2024 8:48 am
Operator : jeniferw
Sample : IC4046-1 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 15 10:45:54 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration





TIC: 1O86790.D\data.ms

(87) cis-1,4-Dichloro-2-butene

6.903min (-0.006) 0.89ug/L m

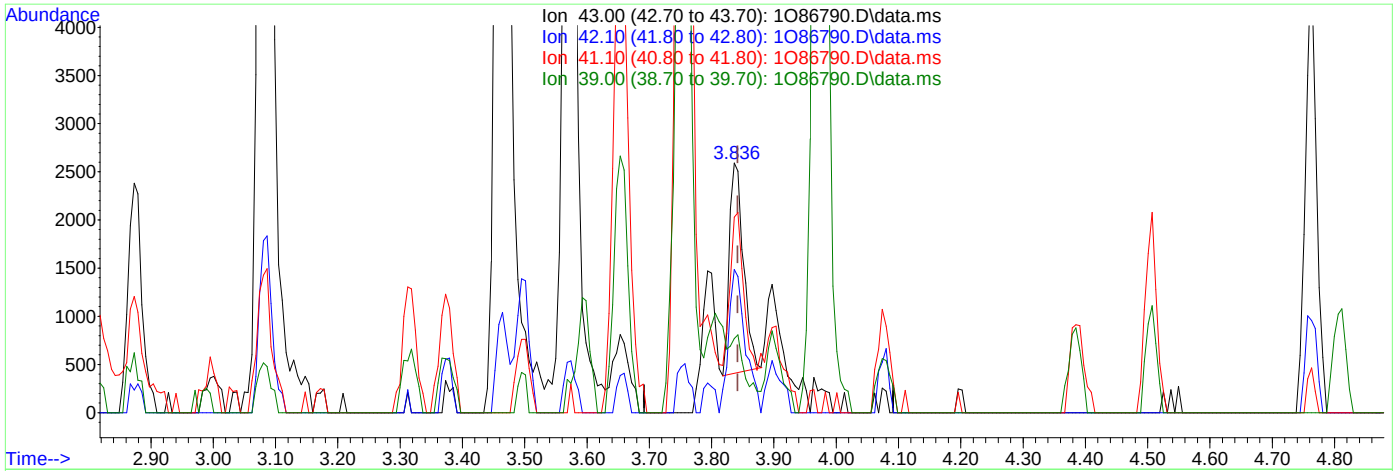
response 843

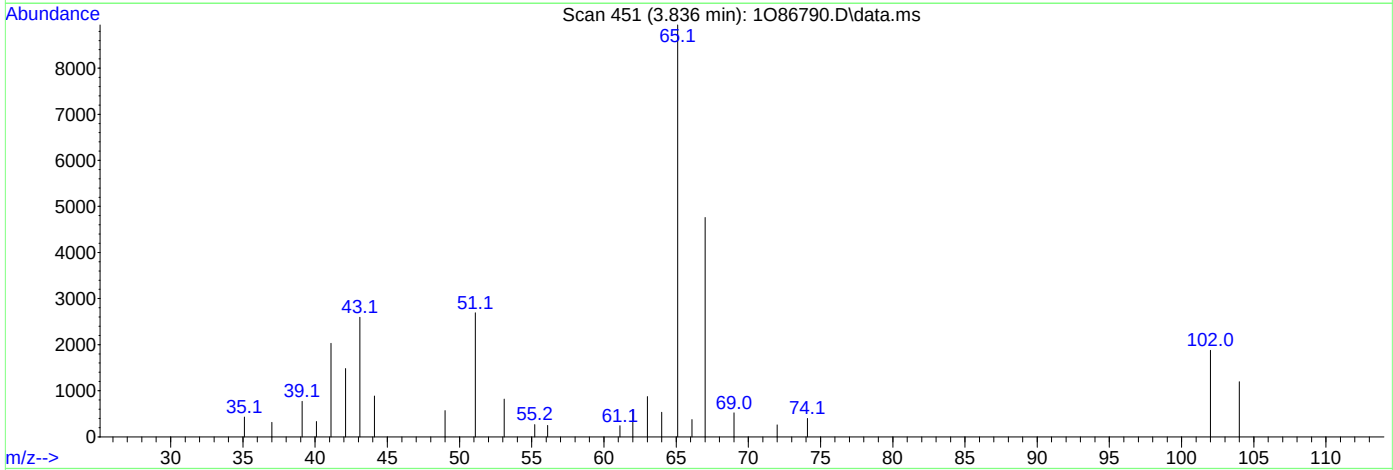
Ion	Exp%	Act%
53.00	100	100
75.00	87.70	96.90
88.00	128.50	79.00#
39.00	43.70	98.79#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86790.D
Acq On : 15 Aug 2024 8:48 am
Operator : jeniferw
Sample : IC4046-1 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 15 10:45:54 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration





TIC: 1O86790.D\data.ms

(49) Isobutyl alcohol

3.836min (-0.006) 14.97ug/L

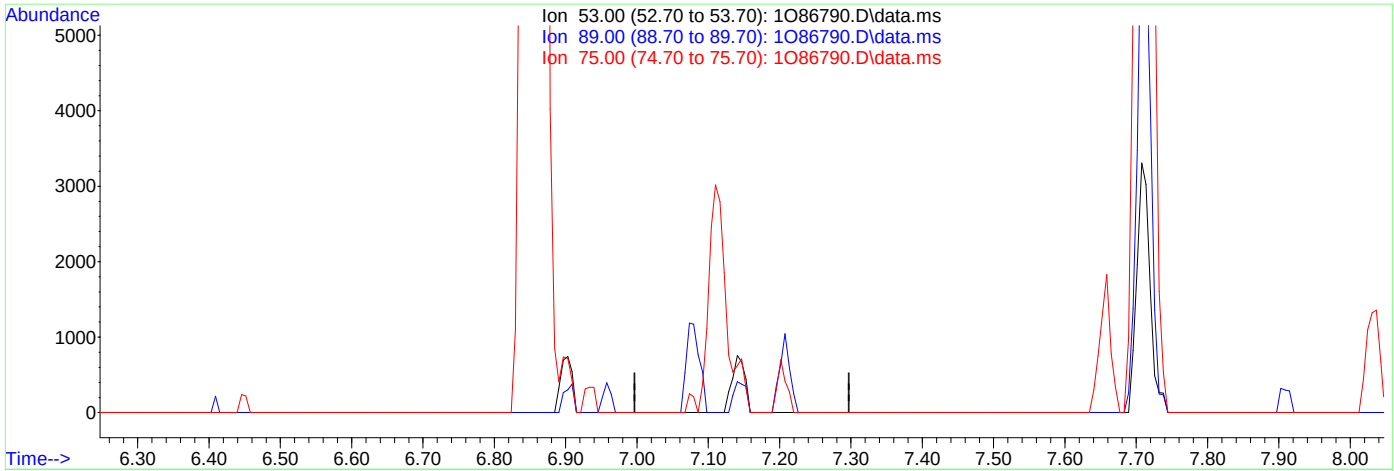
response 3407

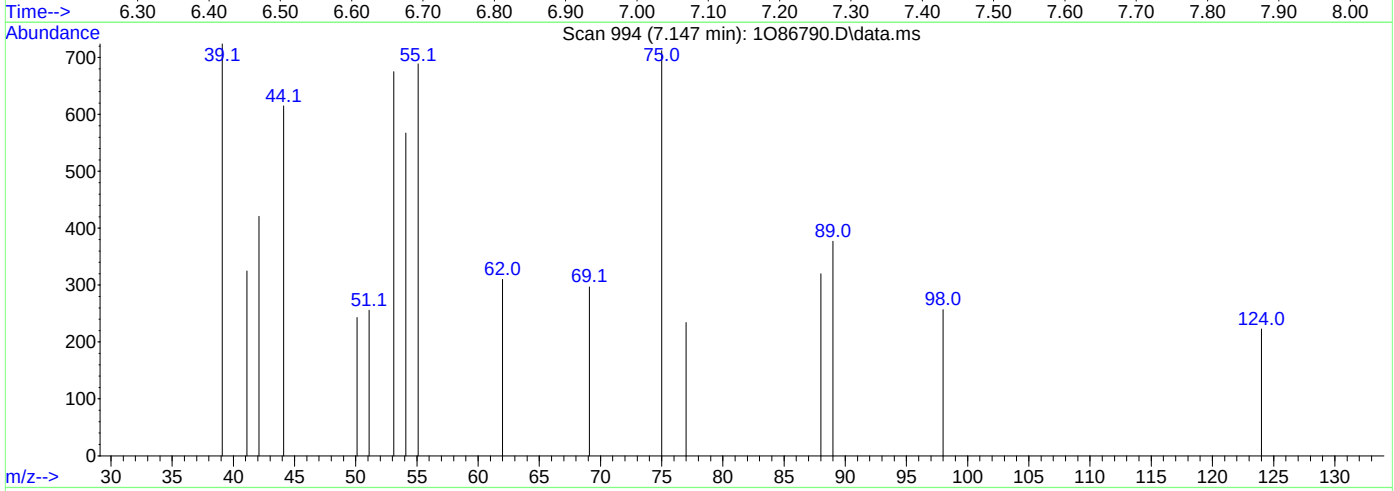
Ion	Exp%	Act%
43.00	100	100
42.10	59.20	67.18
41.10	74.00	69.67
39.00	25.80	24.81

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86790.D
Acq On : 15 Aug 2024 8:48 am
Operator : jeniferw
Sample : IC4046-1 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 15 10:45:54 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration





TIC: 1O86790.D\data.ms

(93) trans-1,4-Dichloro-2-Butene

7.147min (-7.147) 0.00ug/L

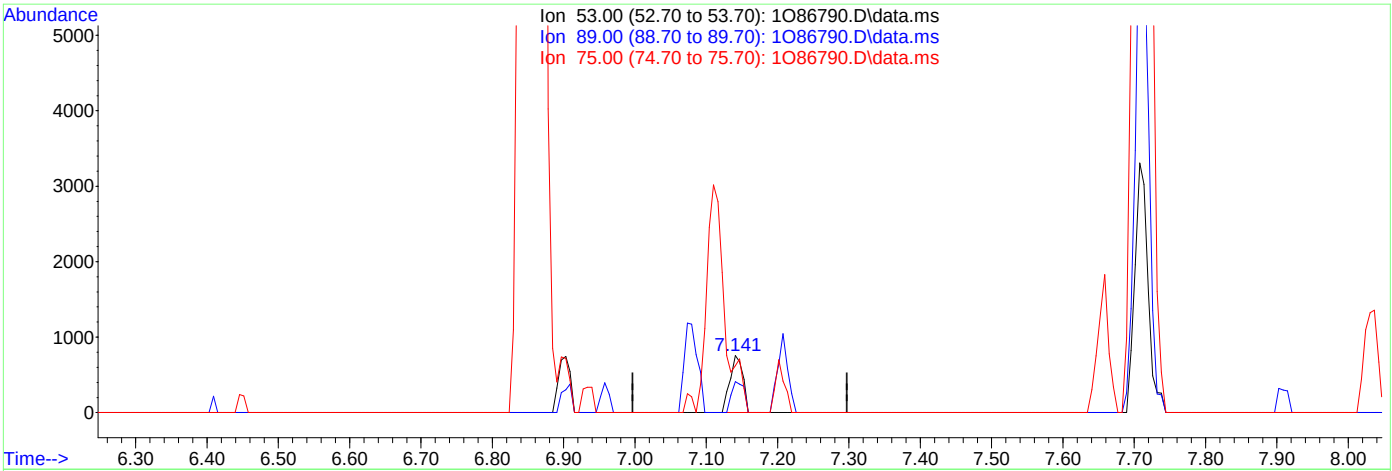
response 0

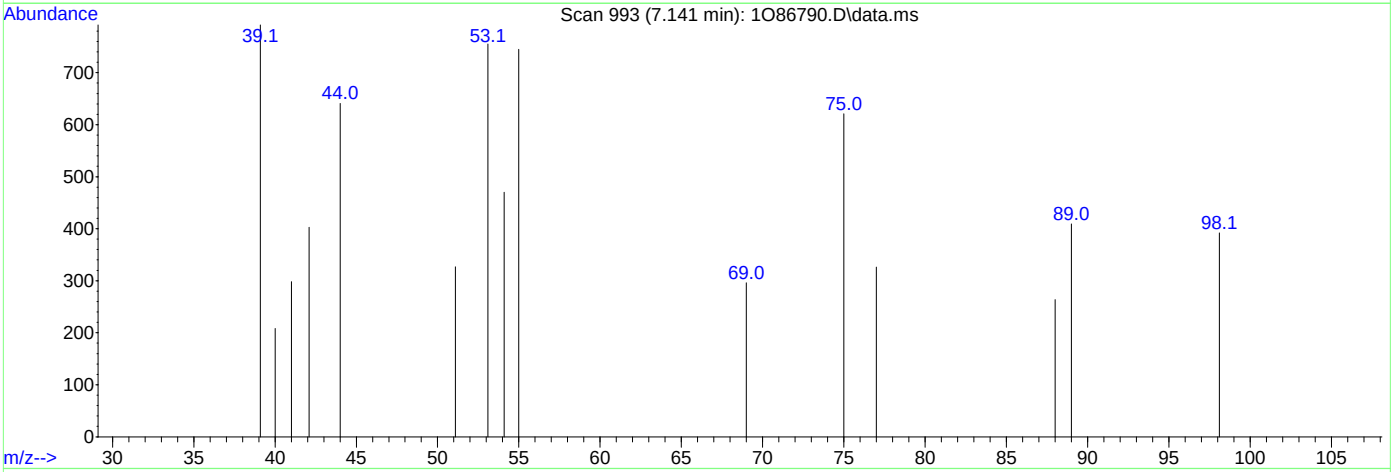
Ion	Exp%	Act%
53.00	100	0.00
89.00	73.90	0.00#
75.00	154.30	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86790.D
Acq On : 15 Aug 2024 8:48 am
Operator : jeniferw
Sample : IC4046-1 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 15 10:45:54 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration





TIC: 1O86790.D\data.ms

(93) trans-1,4-Dichloro-2-Butene

7.141min (-0.006) 1.17ug/L m

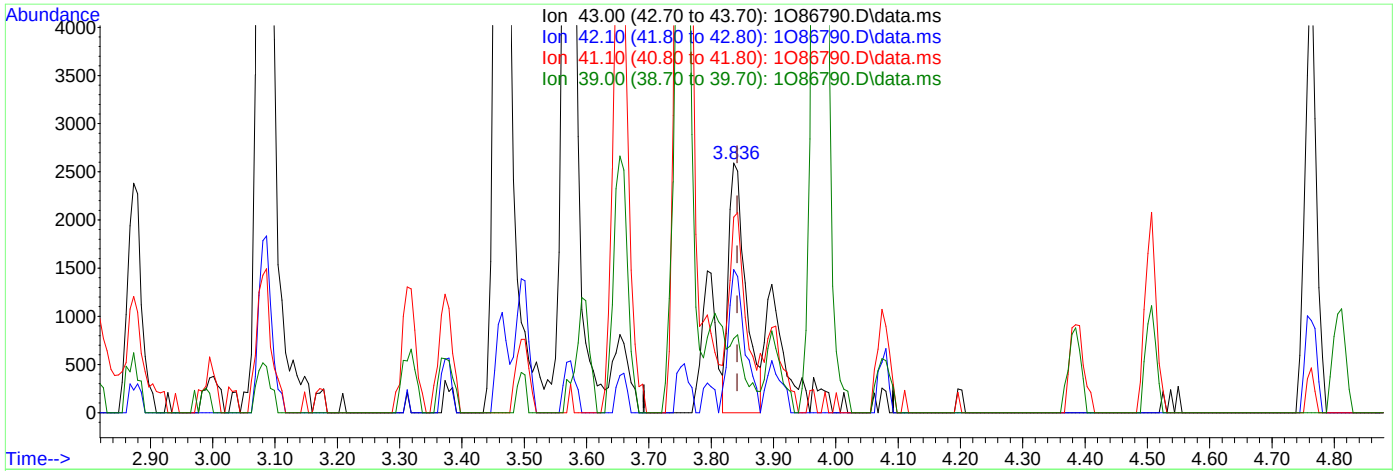
response 953

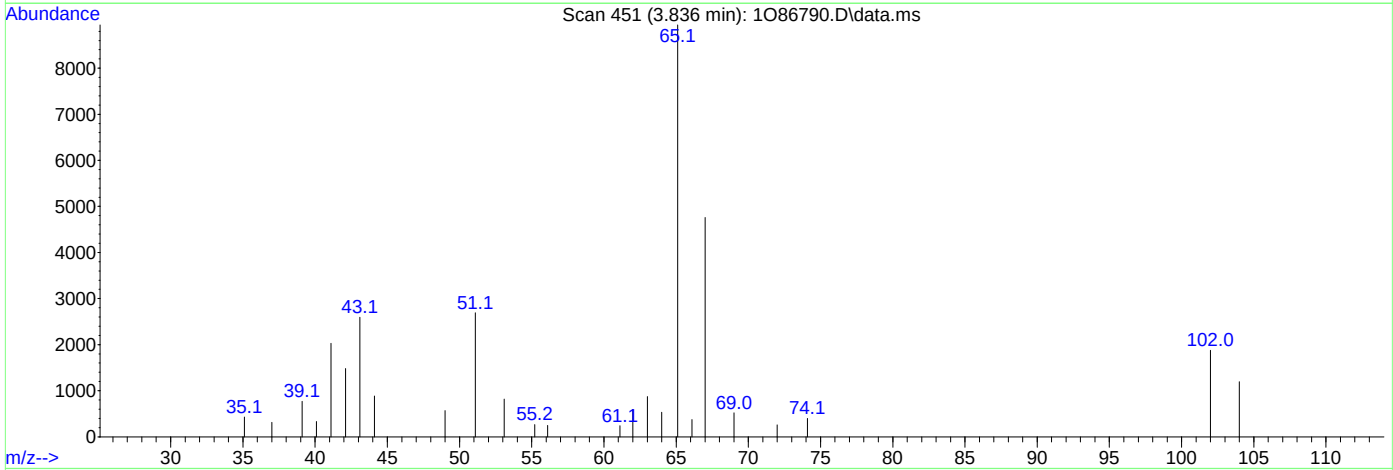
Ion	Exp%	Act%
53.00	100	100
89.00	73.90	54.17
75.00	154.30	82.25#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86790.D
Acq On : 15 Aug 2024 8:48 am
Operator : jeniferw
Sample : IC4046-1 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 15 10:45:54 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration





TIC: 1O86790.D\data.ms

(49) Isobutyl alcohol

3.836min (-0.006) 21.80ug/L m

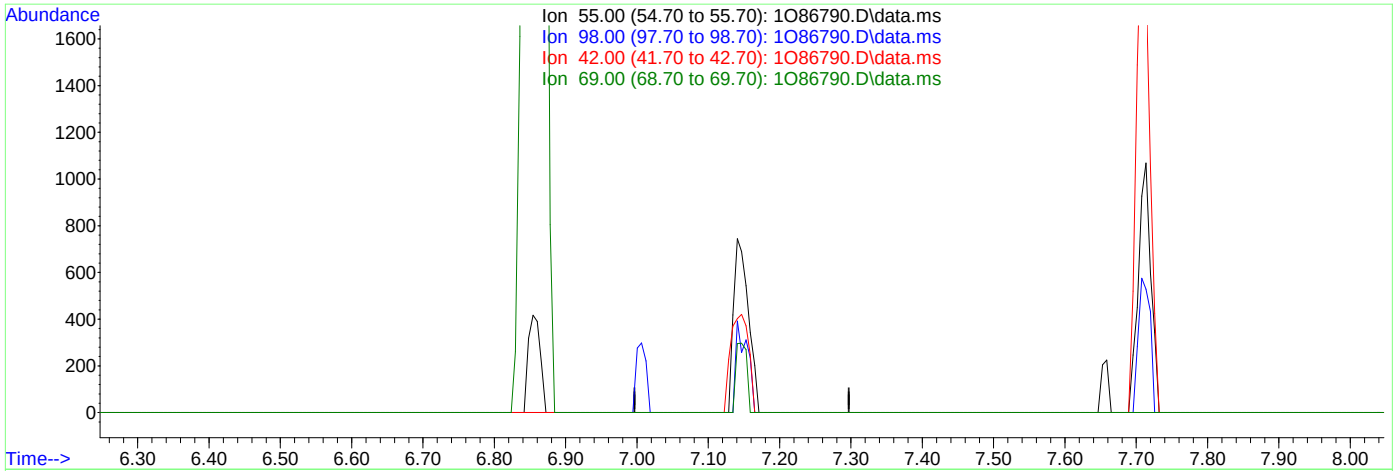
response 4960

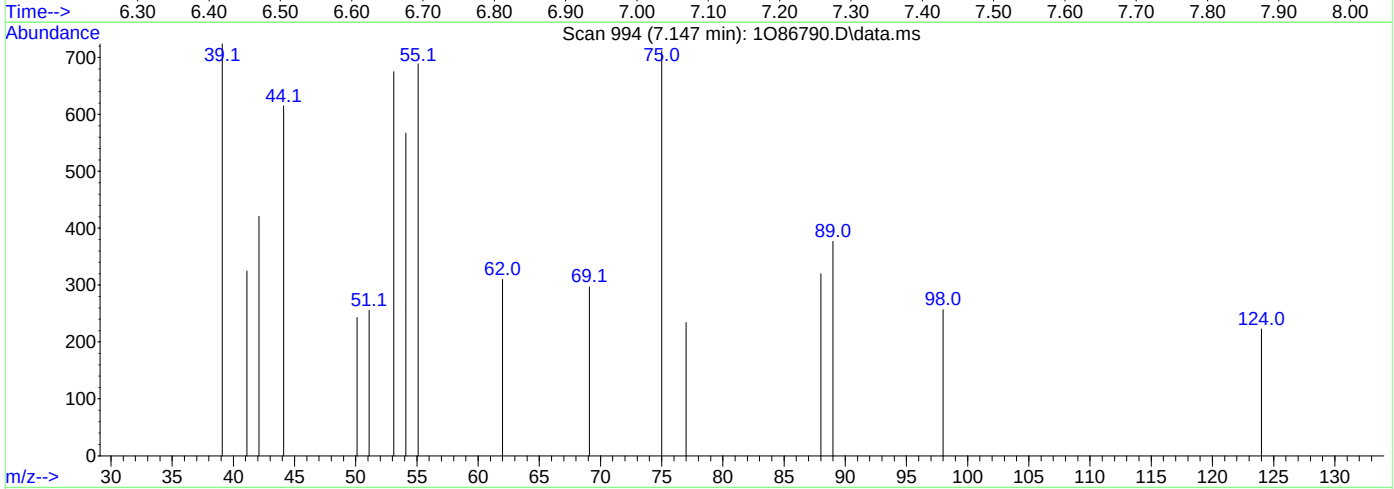
Ion	Exp%	Act%
43.00	100	100
42.10	59.20	57.25
41.10	74.00	78.32
39.00	25.80	29.67

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86790.D
Acq On : 15 Aug 2024 8:48 am
Operator : jeniferw
Sample : IC4046-1 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 15 10:45:54 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration





TIC: 1O86790.D\data.ms

(95) Cyclohexanone

7.147min (-7.147) 0.00ug/L

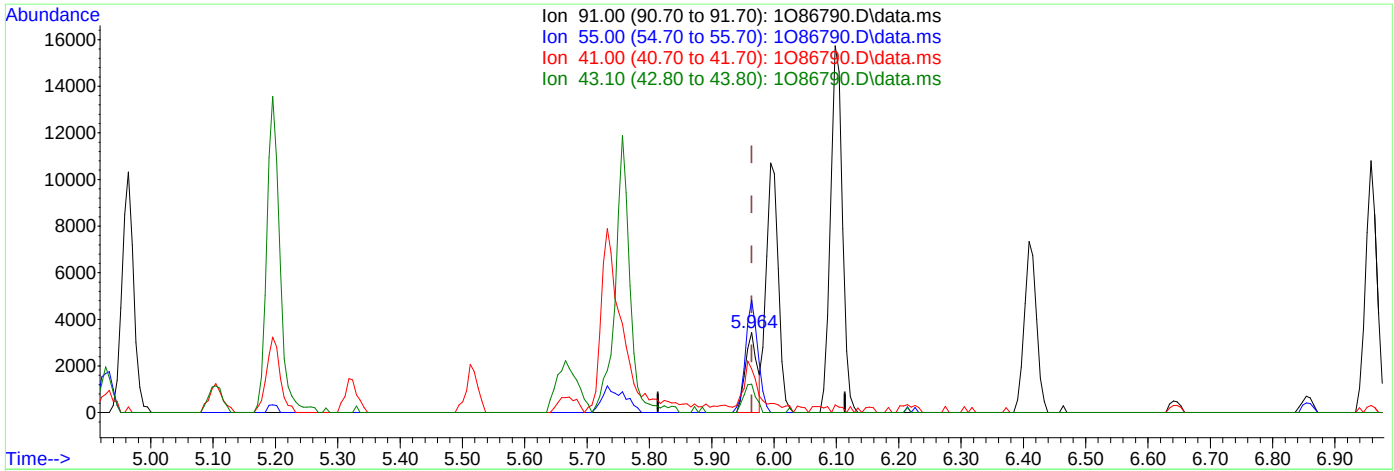
response 0

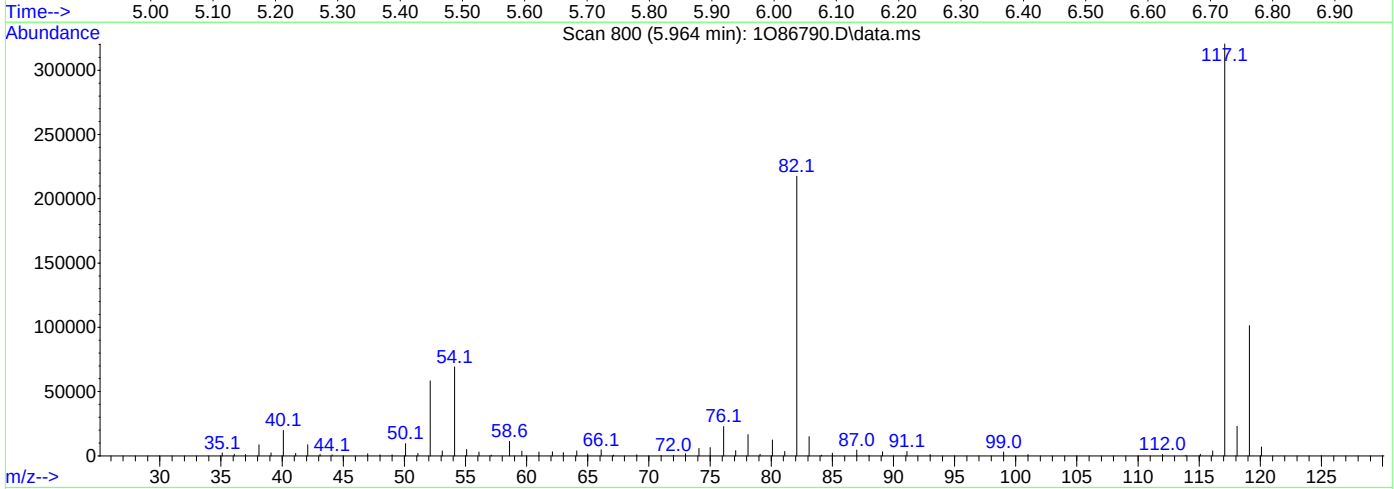
Ion	Exp%	Act%
55.00	100	0.00
98.00	52.70	0.00#
42.00	62.20	0.00#
69.00	38.10	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86790.D
Acq On : 15 Aug 2024 8:48 am
Operator : jeniferw
Sample : IC4046-1 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 15 10:51:46 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration





TIC: 1O86790.D\data.ms

(76) 1-Chlorohexane

5.964min (-0.000) 1.05ug/L m

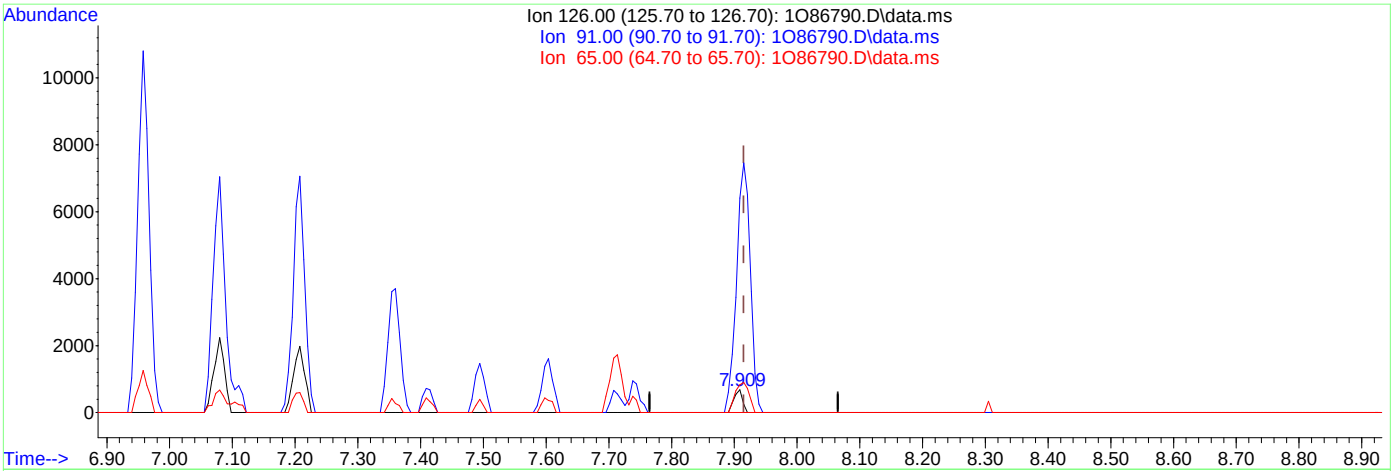
response 4467

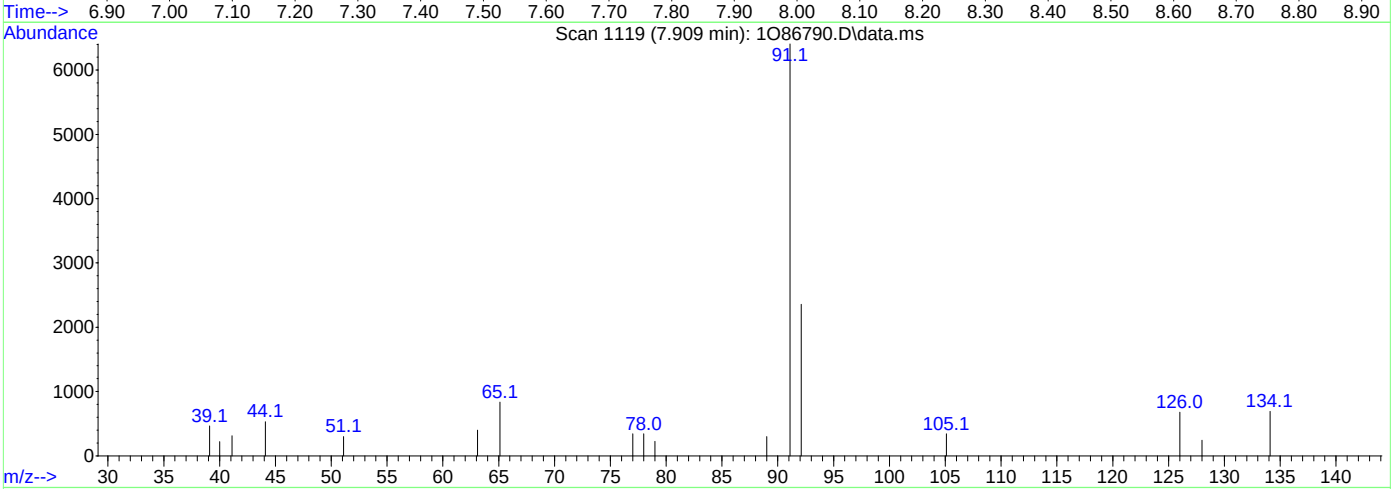
Ion	Exp%	Act%
91.00	100	100
55.00	60.10	140.88#
41.00	42.20	54.36
43.10	35.10	35.63

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86790.D
Acq On : 15 Aug 2024 8:48 am
Operator : jeniferw
Sample : IC4046-1 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 15 10:51:46 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration





TIC: 1O86790.D\data.ms

(107) Benzyl Chloride

7.909min (-0.006) 0.69ug/L m

response 648

Ion	Exp%	Act%
126.00	100	100
91.00	897.60	945.28#
65.00	106.40	123.01
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
08/15/24 14:28

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86791.D
Acq On : 15 Aug 2024 9:13 am
Operator : jeniferw
Sample : IC4046-8 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 15 10:49:35 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	3.977	96	806070	50.00	ug/L		0.00
62) Chlorobenzene-d5	5.970	117	516004	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	7.714	152	239506	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	3.507	113	188562	48.08	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 96.16%				
50) 1,2-Dichloroethane-d4	3.812	65	239820	50.90	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 101.80%				
63) Toluene-d8	4.928	98	771189	49.90	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 99.80%				
86) 4-Bromofluorobenzene	6.860	174	175003	51.07	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.14%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.197	85	8800	2.92	ug/L		97
3) Chloromethane	1.343	50	6739	2.68	ug/L		88
4) 1,3-butadiene	1.422	39	5179	1.96	ug/L		92
5) Vinyl Chloride	1.404	62	7706	2.47	ug/L		98
6) Bromomethane	1.636	94	4215	3.38	ug/L		94
7) Chloroethane	1.721	64	2262	2.83	ug/L		92
8) Trichlorofluoromethane	1.818	101	8706	2.30	ug/L		91
9) Ethyl Ether	2.026	59	4751	1.87	ug/L		96
10) Ethanol	2.135	45	1509	32.77	ug/L		97
11) 1,2-Dichlorotrifluoroe...	2.148	67	7783	2.00	ug/L		97
12) 1,1-Dichloroethene	2.148	61	8935	2.15	ug/L		95
13) Freon 113	2.178	101	5462	1.92	ug/L		95
14) Carbon Disulfide	2.166	76	18352	1.88	ug/L		97
15) Iodomethane	2.233	142	5404	6.81	ug/L		95
16) Acrolein	2.349	56	7492	12.10	ug/L		92
17) Allyl chloride	2.434	41	7128	2.20	ug/L		92
18) Methylene Chloride	2.501	49	8124	2.54	ug/L		96
19) Acetone	2.526	43	15959	12.14	ug/L		98
20) Methyl acetate	2.599	43	31980	9.70	ug/L		99
21) trans-1,2-Dichloroethene	2.593	61	8929	2.11	ug/L		96
22) Hexane	2.641	56	4425	2.13	ug/L	#	86
23) Methyl Tert Butyl Ether	2.660	73	19093	1.85	ug/L		91
24) Tert Butyl Alcohol	2.702	59	15845	21.15	ug/L		97
25) Acetonitrile	2.794	41	11008	22.83	ug/L		95
26) Di-isopropyl ether	2.873	45	14864	1.87	ug/L		95
27) Chloroprene	2.934	53	6806	1.97	ug/L		96
28) 1,1-Dichloroethane	2.946	63	11707	2.08	ug/L		98
29) Acrylonitrile	2.971	52	13694	9.92	ug/L		97
30) ETBE	3.080	59	16553	1.83	ug/L		96
31) Vinyl acetate	3.080	43	51610	8.48	ug/L		96
32) cis-1,2-Dichloroethene	3.251	96	7285	2.12	ug/L		96
33) 2,2-Dichloropropane	3.318	77	8747	1.94	ug/L		96
34) Bromochloromethane	3.367	128	3090	1.97	ug/L		93
35) Cyclohexane	3.373	56	8135	1.90	ug/L		94
36) Chloroform	3.404	83	13145	2.12	ug/L		99
37) Ethyl acetate	3.465	43	42440	9.63	ug/L		98
38) Tetrahydrofuran	3.495	42	3299	1.96	ug/L		90
40) Carbon Tetrachloride	3.489	117	5822	1.83	ug/L		97
41) 1,1,1-Trichloroethane	3.532	97	9482	2.03	ug/L		98
42) 2-Butanone	3.568	43	25320	10.92	ug/L		99
43) 1,1-Dichloropropene	3.599	75	8598	2.07	ug/L		97
44) tert-Butyl formate	3.653	59	13512	5.94	ug/L	#	77

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86791.D
Acq On : 15 Aug 2024 9:13 am
Operator : jeniferw
Sample : IC4046-8 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 15 10:49:35 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Propionitrile	3.739	54	14329	20.36	ug/L		93
46) Methacrylonitrile	3.757	41	48197	20.13	ug/L		97
47) Benzene	3.739	78	30097	2.13	ug/L		91
48) TAME	3.903	73	7390	1.71	ug/L	#	81
49) Isobutyl alcohol	3.842	43	7716m	32.93	ug/L		
51) 1,2-Dichloroethane	3.855	62	8271	1.94	ug/L		98
52) Tert Amyl Alcohol	3.897	59	10998	18.48	ug/L		87
53) Trichloroethene	4.074	95	7548	2.14	ug/L		97
54) Methylcyclohexane	4.074	83	9312	1.87	ug/L		92
55) Dibromomethane	4.324	93	4015	1.80	ug/L		92
56) 1,2-Dichloropropane	4.385	63	6451	1.95	ug/L		97
57) Bromodichloromethane	4.422	83	6956	1.79	ug/L		98
58) Methyl methacrylate	4.501	41	4921	1.80	ug/L		96
59) 1,4-Dioxane	4.537	88	2276	38.29	ug/L		75
60) 2-Chloroethyl vinyl ether	4.763	63	22611	8.85	ug/L		95
61) cis-1,3-Dichloropropene	4.806	75	8214	1.65	ug/L		98
64) Toluene	4.964	91	30262	2.19	ug/L		100
65) 2-Nitropropane	5.104	41	3499	4.52	ug/L		88
66) 4-Methyl-2-pentanone	5.196	43	40078	10.23	ug/L		99
67) trans-1,3-Dichloropropene	5.226	75	7756	1.69	ug/L		97
68) Tetrachloroethene	5.220	166	5765	2.06	ug/L		95
69) Ethyl methacrylate	5.324	69	7397	1.68	ug/L		89
70) 1,1,2-Trichloroethane	5.330	83	5284	1.92	ug/L		90
71) Dibromochloromethane	5.452	129	3568	1.55	ug/L		93
72) 1,3-Dichloropropane	5.519	76	10963	1.97	ug/L		98
73) 1,2-Dibromoethane	5.617	107	5912	1.89	ug/L		85
74) 3,3-dimethyl-1-butanol	5.732	57	49412	80.24	ug/L		96
75) 2-hexanone	5.757	43	40562	10.21	ug/L		93
76) 1-Chlorohexane	5.964	91	8887m	2.02	ug/L		
77) Ethylbenzene	6.001	91	31634	2.13	ug/L		98
78) Chlorobenzene	5.982	112	18386	2.16	ug/L		94
79) 1,1,1,2-Tetrachloroethane	6.025	131	3869	1.69	ug/L		85
80) m,p-Xylene	6.098	91	48152	4.15	ug/L		96
81) o-Xylene	6.415	91	22777	1.96	ug/L		97
82) Styrene	6.452	104	14451	1.70	ug/L		97
83) Bromoform	6.470	173	1816	1.59	ug/L		97
84) Isopropylbenzene	6.647	105	25308	2.00	ug/L		97
87) cis-1,4-Dichloro-2-butene	6.903	53	1837	1.86	ug/L	#	64
88) n-Propylbenzene	6.958	91	31729	2.14	ug/L		97
89) Bromobenzene	6.939	156	6149	2.15	ug/L		90
90) 1,1,2,2-Tetrachloroethane	7.006	83	9228	1.97	ug/L		97
91) 1,3,5-Trimethylbenzene	7.110	105	19764	2.00	ug/L		98
92) 2-Chlorotoluene	7.080	91	22176	2.16	ug/L		98
93) trans-1,4-Dichloro-2-B...	7.141	53	1632	1.92	ug/L	#	51
94) 1,2,3-Trichloropropane	7.110	110	3154	2.20	ug/L		96
95) Cyclohexanone	7.147	55	1868	10.87	ug/L		92
96) 4-Chlorotoluene	7.208	91	20607	2.12	ug/L		99
97) tert-Butylbenzene	7.360	91	12292	2.19	ug/L		95
99) 1,2,4-Trimethylbenzene	7.409	105	19081	1.94	ug/L		99
100) Pentachloroethane	7.372	167	1774	1.84	ug/L		92
101) sec-Butylbenzene	7.494	105	22853	2.01	ug/L		97
102) 4-Isopropyltoluene	7.604	119	17010	1.85	ug/L		100
103) 1,3-Dichlorobenzene	7.659	146	11229	2.08	ug/L		96
104) 1,2,3-Trimethylbenzene	7.738	105	21502	2.00	ug/L		93
105) 1,4-Dichlorobenzene	7.720	146	11502m	2.04	ug/L		
106) n-Butylbenzene	7.921	92	9897	1.79	ug/L	#	68
107) Benzyl Chloride	7.909	126	1366m	1.39	ug/L		
108) 1,2-Dichlorobenzene	8.037	146	10399	2.02	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86791.D
Acq On : 15 Aug 2024 9:13 am
Operator : jeniferw
Sample : IC4046-8 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 15 10:49:35 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration

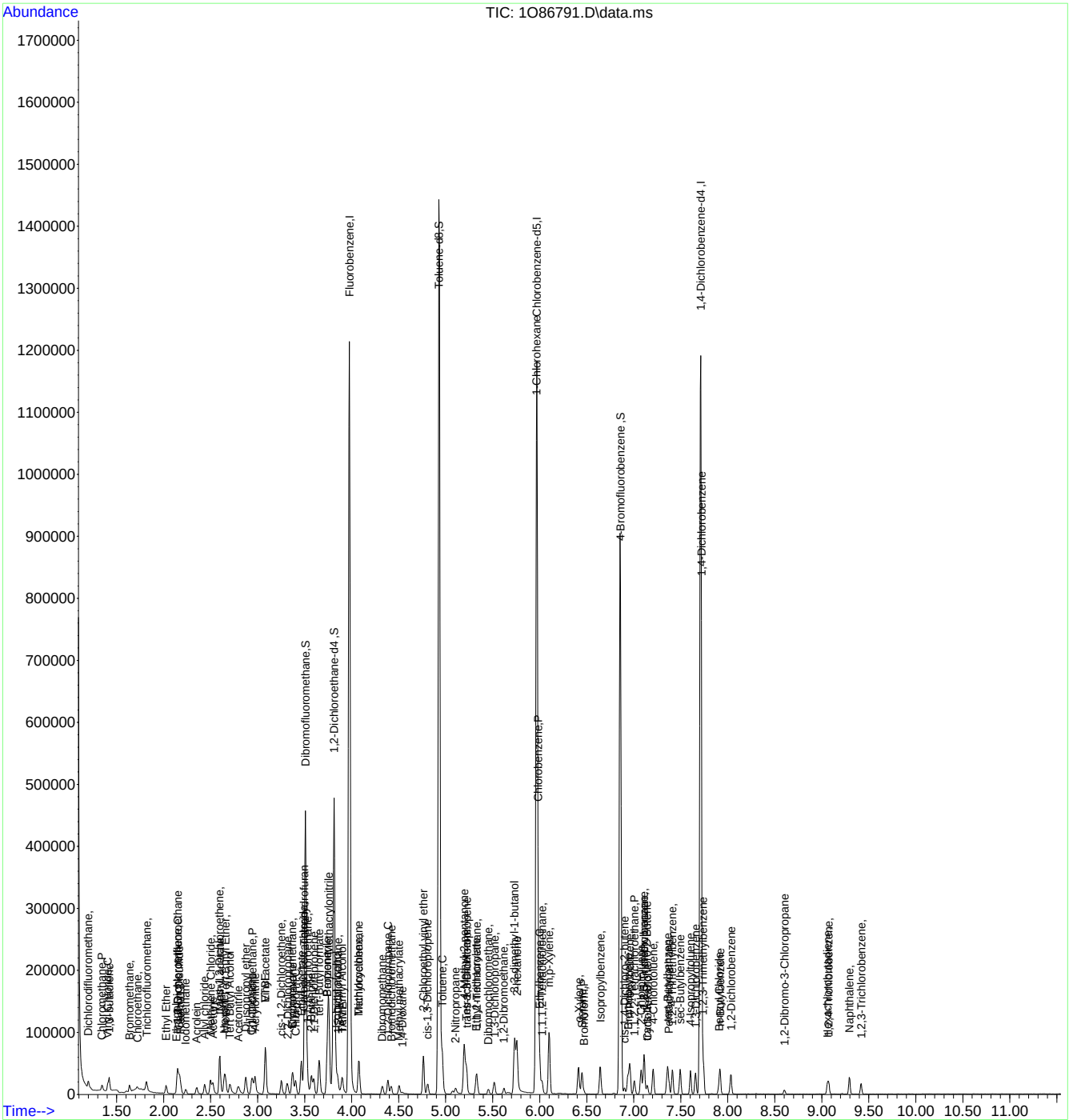
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
109) 1,2-Dibromo-3-Chloropr...	8.604	75	1624	1.72	ug/L	87
110) Hexachlorobutadiene	9.061	225	1995	2.11	ug/L	92
111) 1,2,4-Trichlorobenzene	9.073	180	4634	1.68	ug/L	95
112) Naphthalene	9.293	128	16889	1.53	ug/L	99
113) 1,2,3-Trichlorobenzene	9.421	180	4094	1.57	ug/L	96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86791.D
Acq On : 15 Aug 2024 9:13 am
Operator : jeniferw
Sample : IC4046-8 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 15 10:49:35 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration



Manual Integration Approval Summary

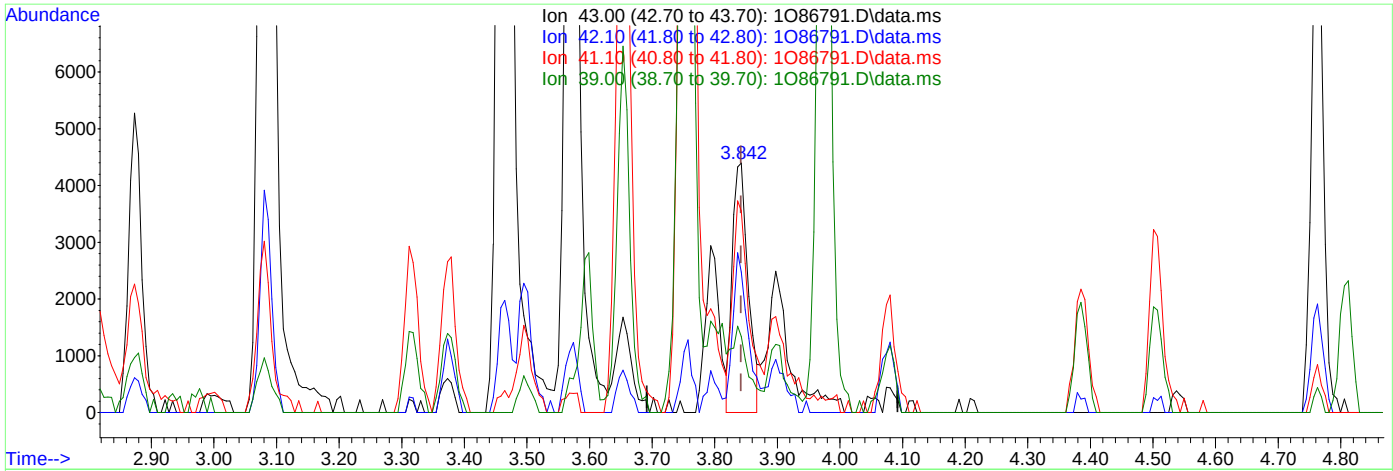
Sample Number: V1O4046-IC4046
Lab FileID: 1O86791.D
Injection Time: 08/15/24 09:13
Method: SW846 8260D
Analyst approved: 08/15/24 13:51 Jenifer Willis
Supervisor approved: 08/15/24 14:28 Karen Watson

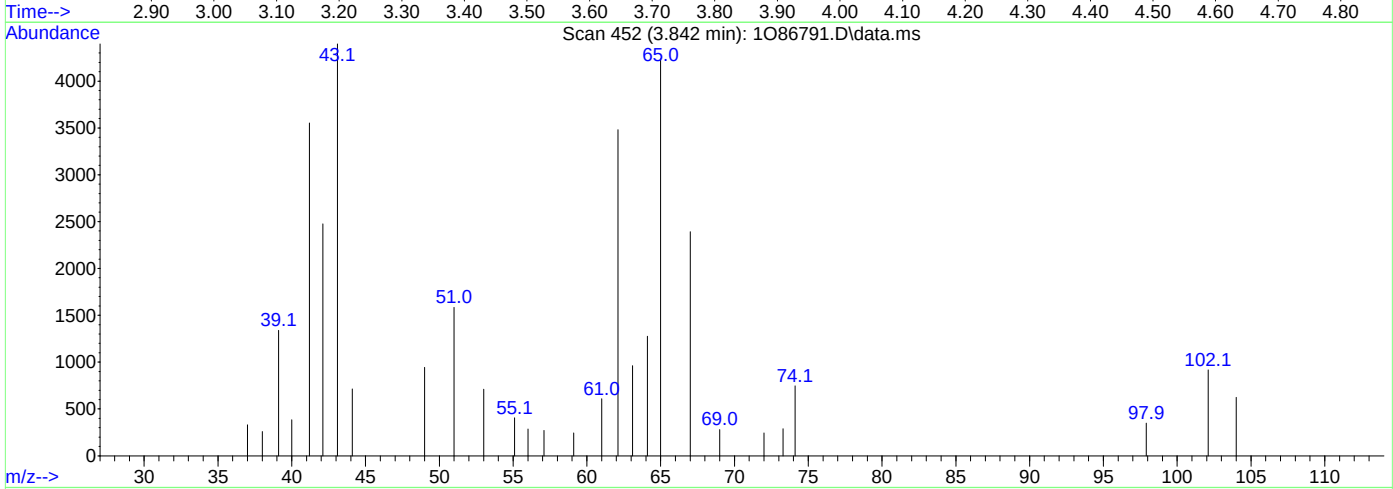
Parameter	CAS	Sig#	R.T. (min.)	Reason
Isobutyl Alcohol	78-83-1		3.84	Poorly defined baseline
1-Chlorohexane	544-10-5		5.96	Poorly defined baseline
1,4-Dichlorobenzene	106-46-7		7.72	Missed peak
Benzyl Chloride	100-44-7		7.91	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86791.D
Acq On : 15 Aug 2024 9:13 am
Operator : jeniferw
Sample : IC4046-8 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 15 10:45:56 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration





TIC: 1O86791.D\data.ms

(49) Isobutyl alcohol

3.842min (+0.000) 32.93ug/L m

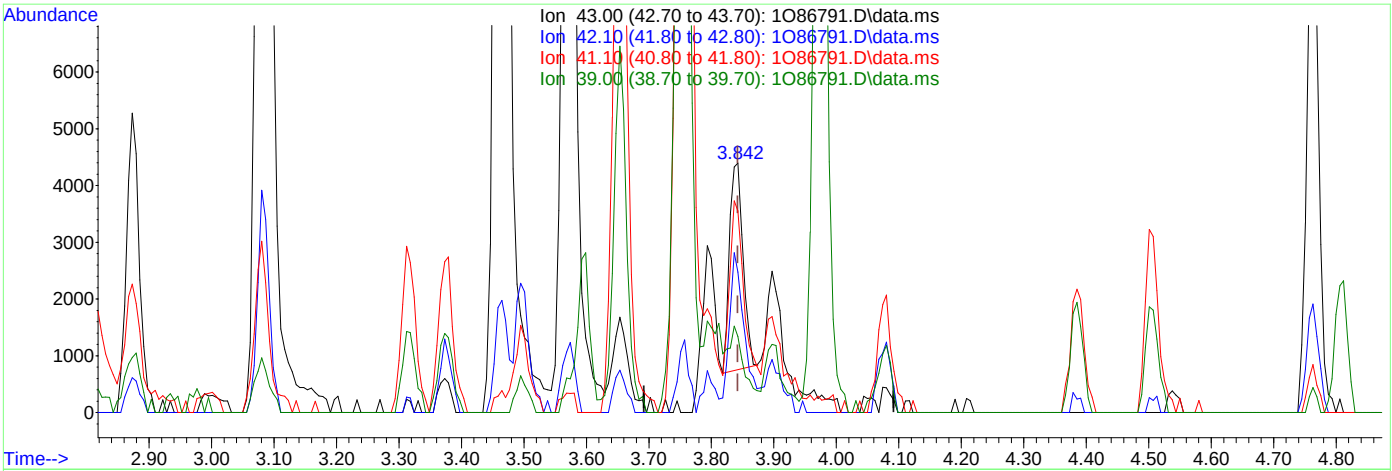
response 7716

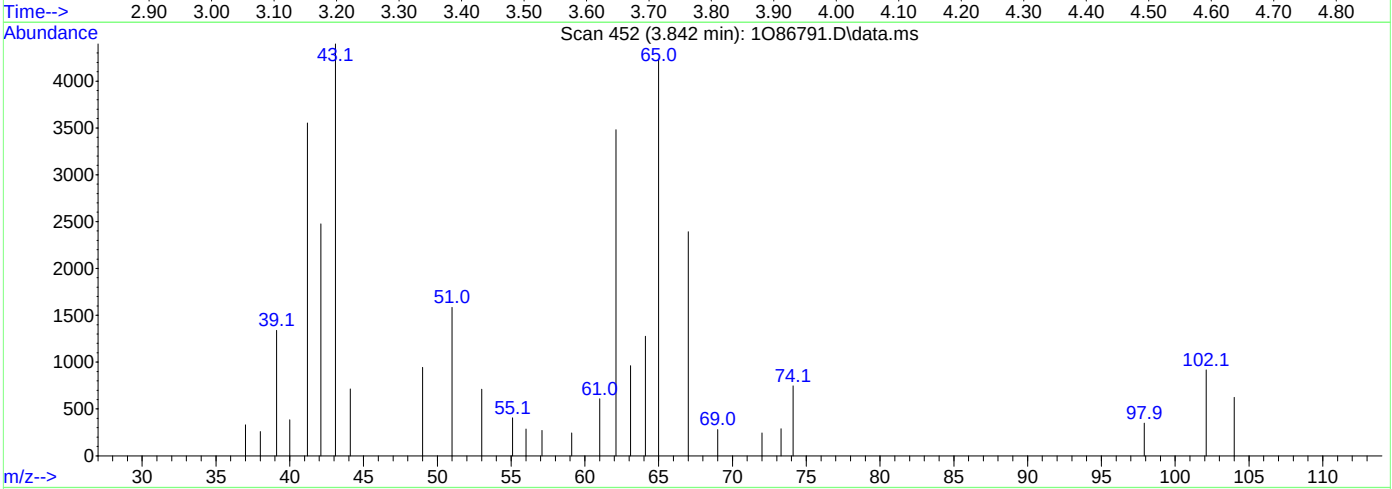
Ion	Exp%	Act%
43.00	100	100
42.10	59.20	56.28
41.10	74.00	80.76
39.00	25.80	30.47

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86791.D
Acq On : 15 Aug 2024 9:13 am
Operator : jeniferw
Sample : IC4046-8 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 15 10:45:56 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration





TIC: 1O86791.D\data.ms

(49) Isobutyl alcohol

3.842min (+0.000) 23.47ug/L

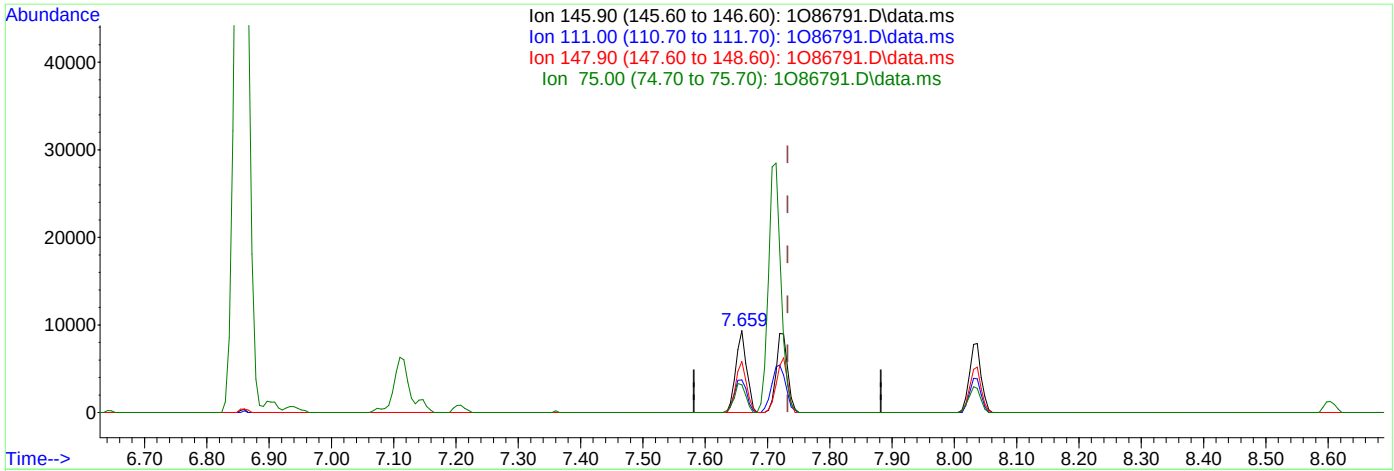
response 5500

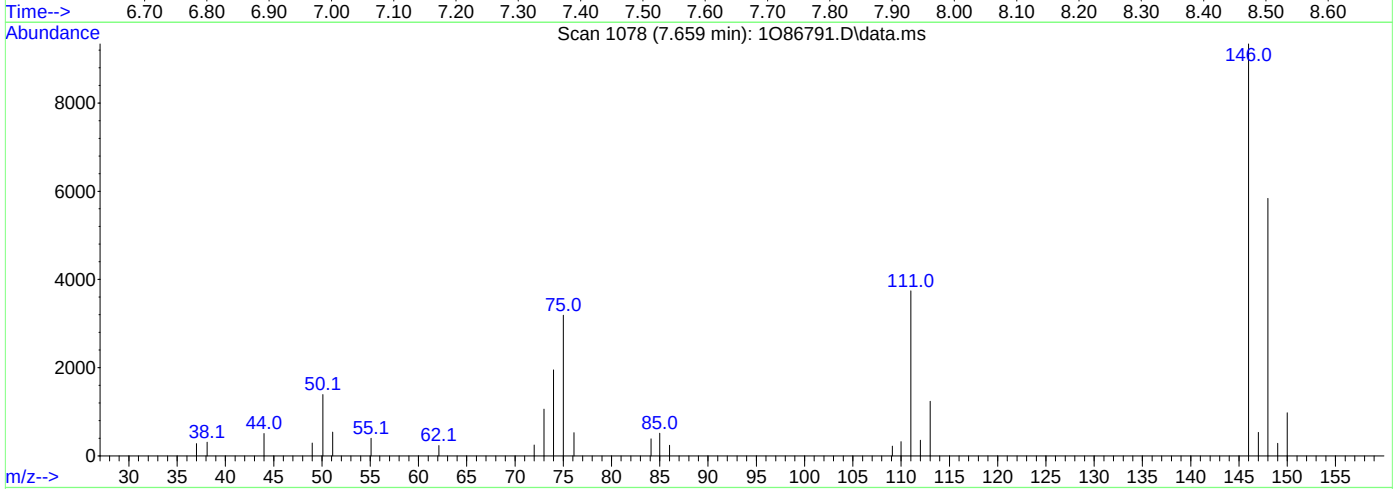
Ion	Exp%	Act%
43.00	100	100
42.10	59.20	59.79
41.10	74.00	78.21
39.00	25.80	25.74

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86791.D
Acq On : 15 Aug 2024 9:13 am
Operator : jeniferw
Sample : IC4046-8 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 15 10:45:56 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration





TIC: 1O86791.D\data.ms

(105) 1,4-Dichlorobenzene

7.659min (-0.073) 1.99ug/L

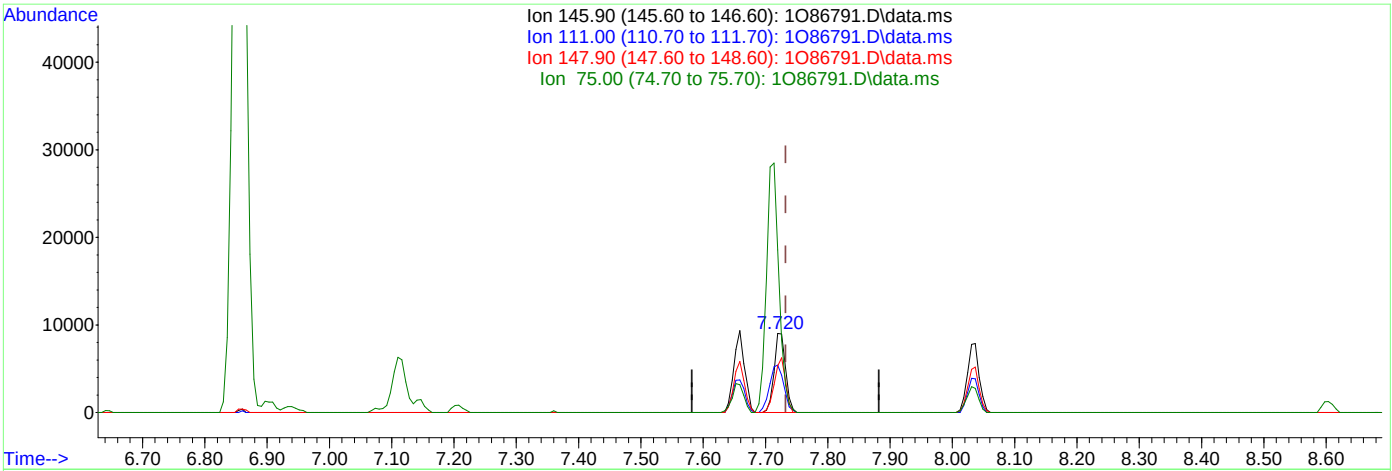
response 11229

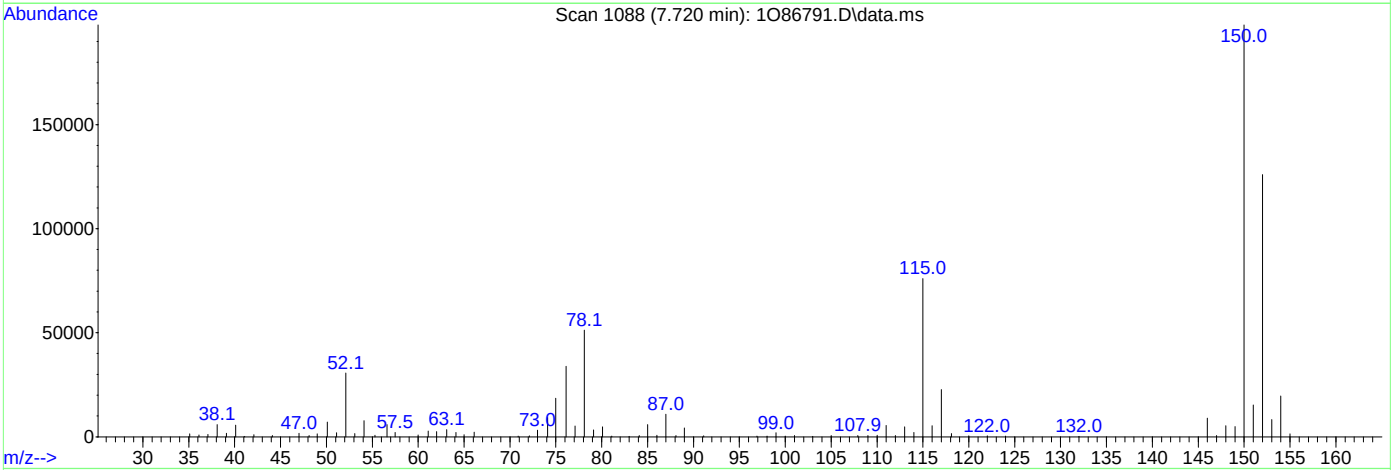
Ion	Exp%	Act%
145.90	100	100
111.00	42.70	40.03
147.90	64.10	62.46
75.00	37.00	34.12

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86791.D
Acq On : 15 Aug 2024 9:13 am
Operator : jeniferw
Sample : IC4046-8 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 15 10:45:56 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration





TIC: 1O86791.D\data.ms

(105) 1,4-Dichlorobenzene

7.720min (-0.012) 2.04ug/L m

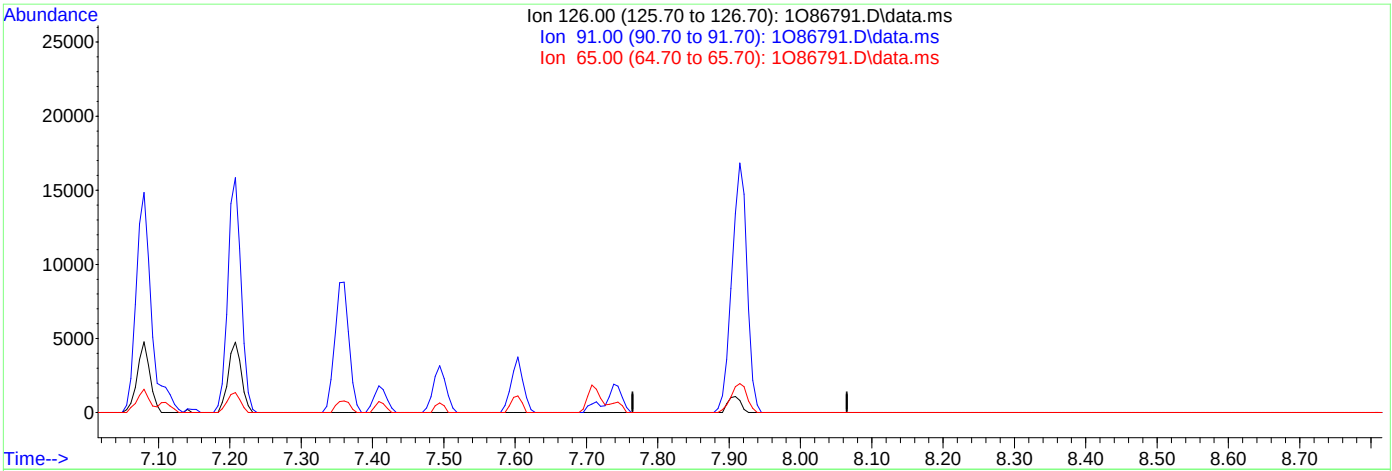
response 11502

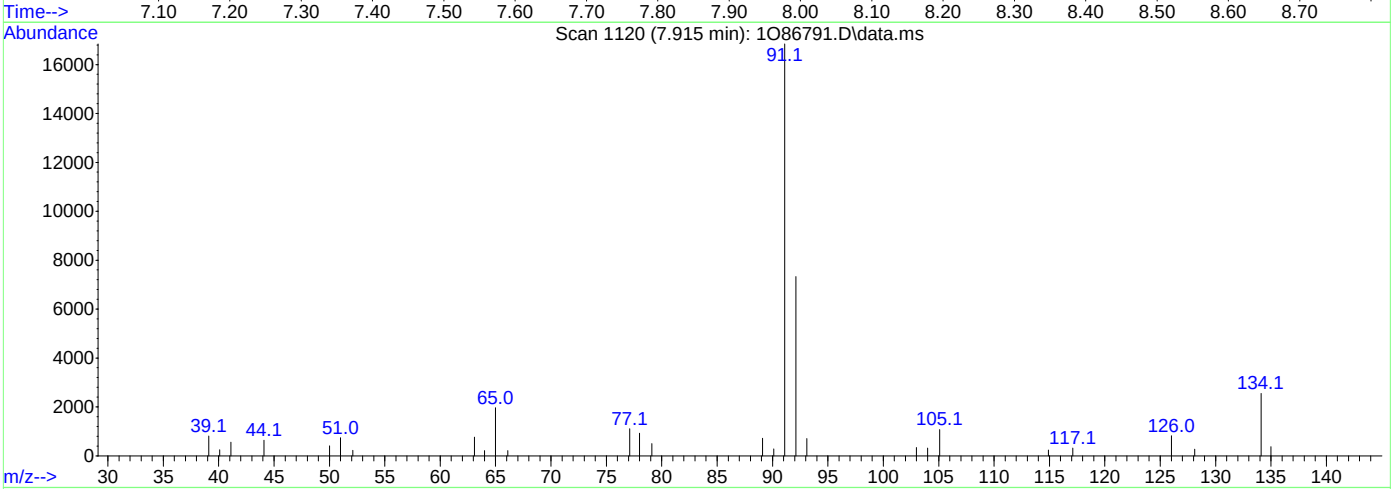
Ion	Exp%	Act%
145.90	100	100
111.00	42.70	59.88
147.90	64.10	59.06
75.00	37.00	205.63#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86791.D
Acq On : 15 Aug 2024 9:13 am
Operator : jeniferw
Sample : IC4046-8 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 15 10:45:56 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration





TIC: 1O86791.D\data.ms

(107) Benzyl Chloride

7.915min (-7.915) 0.00ug/L

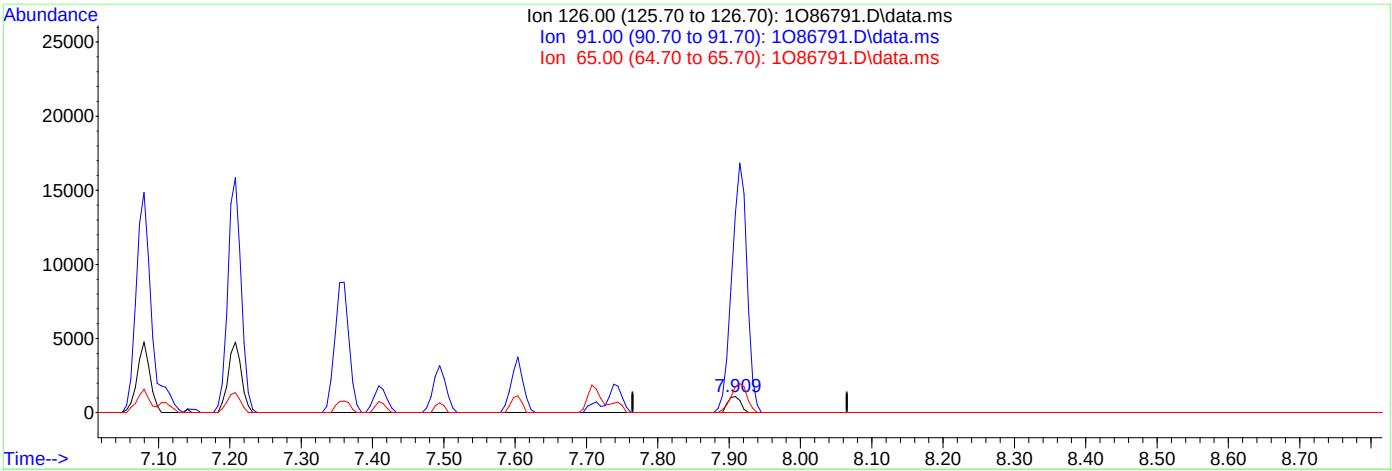
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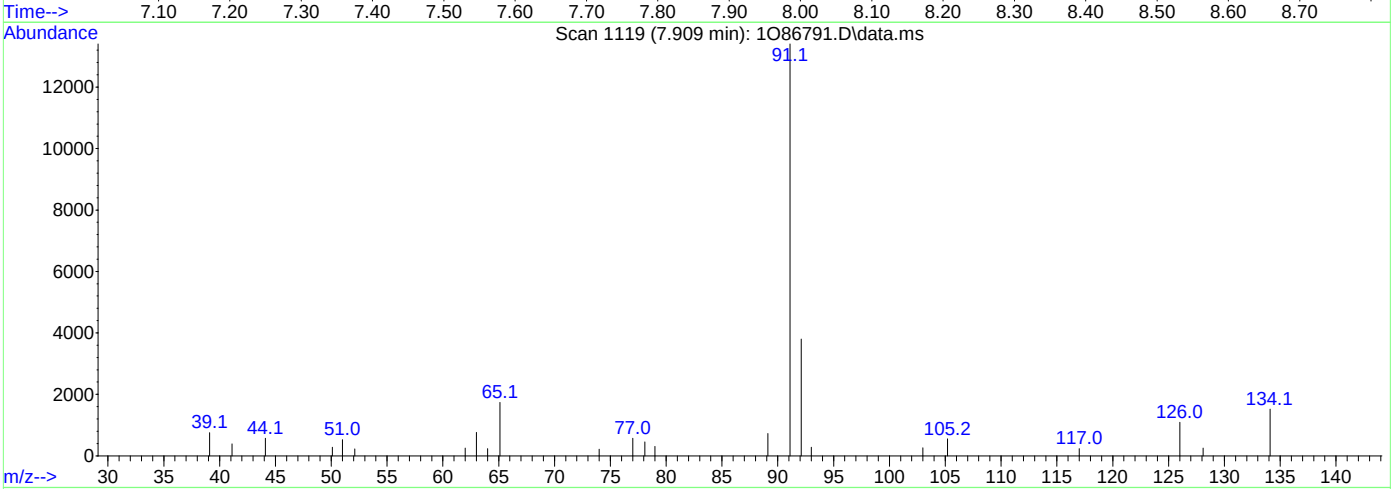
Ion	Exp%	Act%
126.00	100	0.00
91.00	897.60	0.00#
65.00	106.40	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86791.D
Acq On : 15 Aug 2024 9:13 am
Operator : jeniferw
Sample : IC4046-8 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 15 10:45:56 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration





TIC: 1O86791.D\data.ms

(107) Benzyl Chloride

7.909min (-0.006) 1.39ug/L m

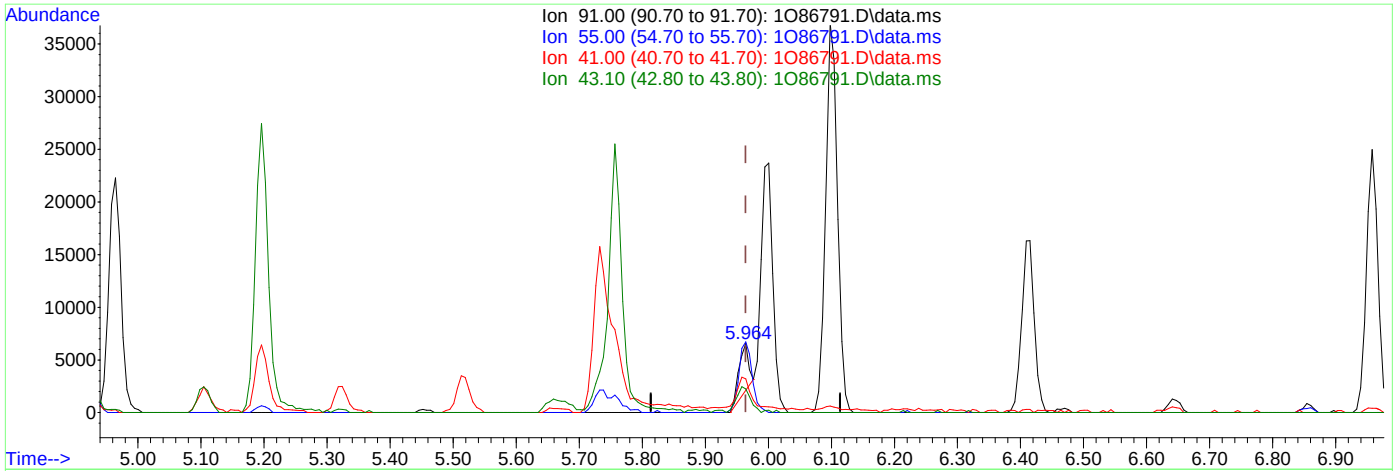
response 1366

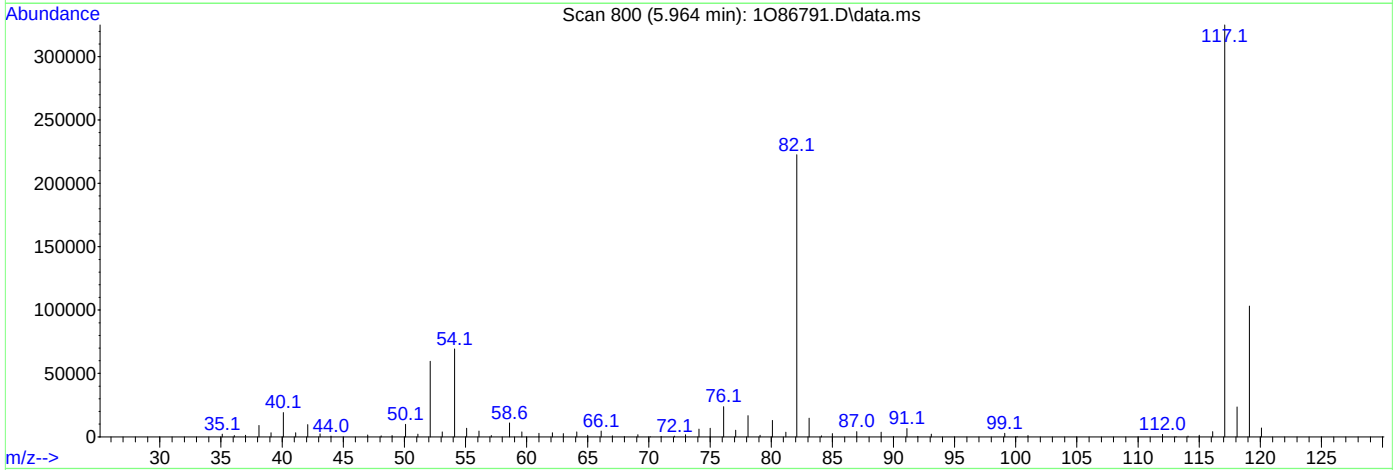
Ion	Exp%	Act%
126.00	100	100
91.00	897.60	1229.06#
65.00	106.40	159.67#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86791.D
Acq On : 15 Aug 2024 9:13 am
Operator : jeniferw
Sample : IC4046-8 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 15 10:45:56 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration





TIC: 1O86791.D\data.ms

(76) 1-Chlorohexane

5.964min (0.000) 1.23ug/L

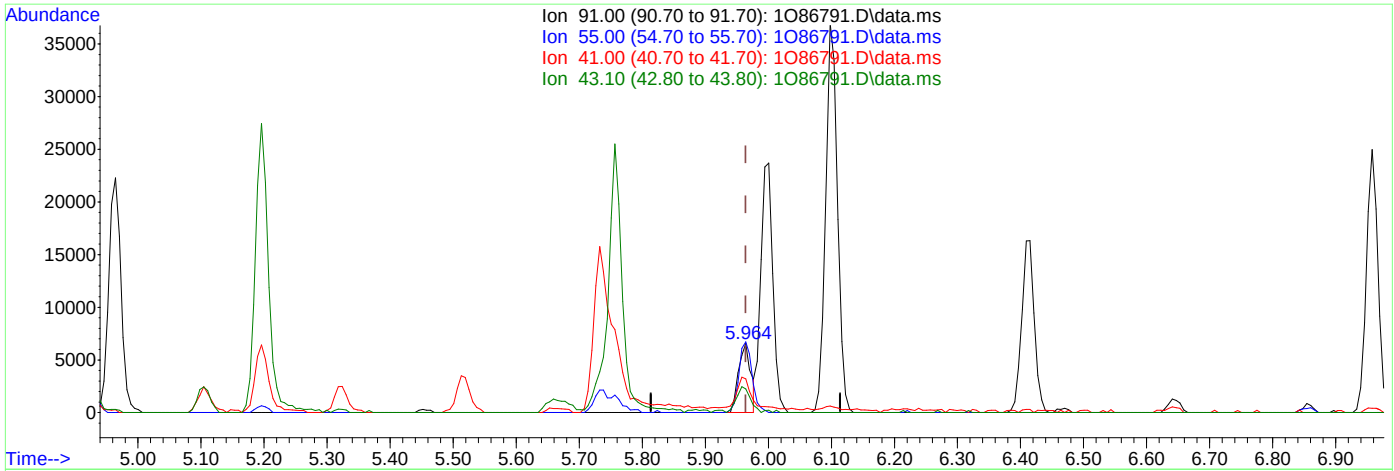
response 5435

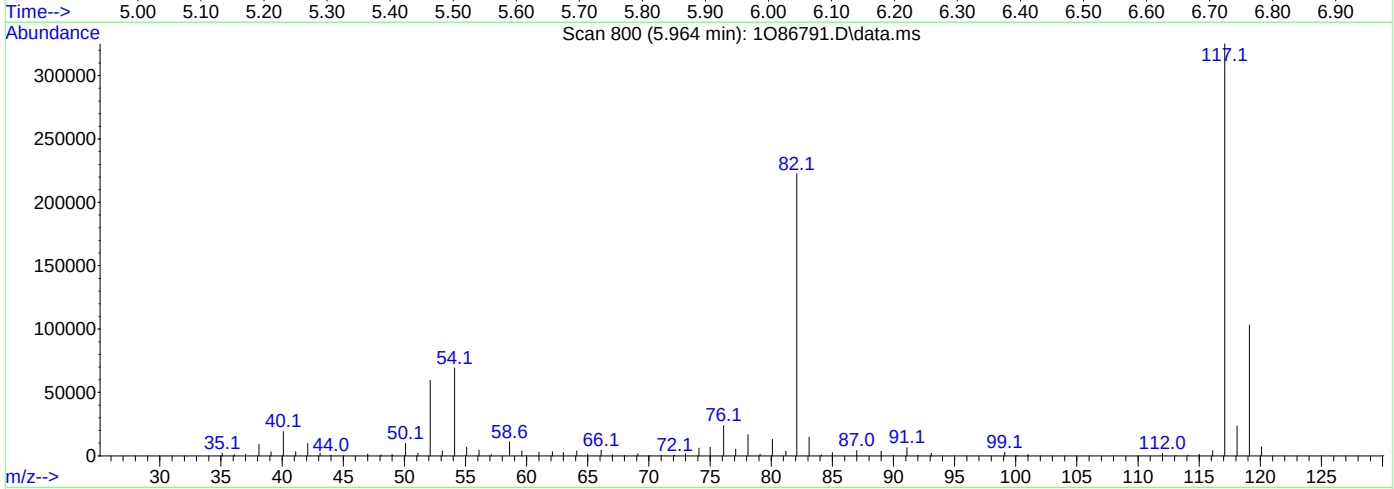
Ion	Exp%	Act%
91.00	100	100
55.00	60.10	98.60#
41.00	42.20	39.21
43.10	35.10	30.01

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86791.D
Acq On : 15 Aug 2024 9:13 am
Operator : jeniferw
Sample : IC4046-8 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 15 10:45:56 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration





TIC: 1O86791.D\data.ms

(76) 1-Chlorohexane

5.964min (0.000) 2.02ug/L m

response 8887

Ion	Exp%	Act%
91.00	100	100
55.00	60.10	102.47#
41.00	42.20	48.74
43.10	35.10	34.08

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
08/15/24 14:28

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86792.D
Acq On : 15 Aug 2024 9:38 am
Operator : jeniferw
Sample : IC4046-2 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 15 10:50:29 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	3.976	96	789851	50.00	ug/L		0.00
62) Chlorobenzene-d5	5.970	117	507403	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	7.713	152	233750	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	3.507	113	189514	49.32	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.64%				
50) 1,2-Dichloroethane-d4	3.812	65	234611	50.82	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 101.64%				
63) Toluene-d8	4.927	98	759087	49.95	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 99.90%				
86) 4-Bromofluorobenzene	6.860	174	173375	51.84	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 103.68%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.196	85	22848	7.73	ug/L		99
3) Chloromethane	1.343	50	15244	6.19	ug/L		100
4) 1,3-butadiene	1.416	39	14082	5.45	ug/L		99
5) Vinyl Chloride	1.404	62	18211	5.96	ug/L		100
6) Bromomethane	1.635	94	9747	7.98	ug/L		95
7) Chloroethane	1.715	64	5173	6.60	ug/L		91
8) Trichlorofluoromethane	1.812	101	21476	5.79	ug/L		99
9) Ethyl Ether	2.026	59	13298	5.35	ug/L		93
10) Ethanol	2.129	45	5218	115.65	ug/L		94
11) 1,2-Dichlorotrifluoroe...	2.147	67	20058	5.27	ug/L		94
12) 1,1-Dichloroethene	2.147	61	21482	5.27	ug/L		97
13) Freon 113	2.178	101	14905	5.35	ug/L		97
14) Carbon Disulfide	2.166	76	46113	4.81	ug/L		99
15) Iodomethane	2.233	142	14662	16.62	ug/L		98
16) Acrolein	2.349	56	20511	33.81	ug/L		99
17) Allyl chloride	2.434	41	16734	5.27	ug/L		94
18) Methylene Chloride	2.495	49	18177	5.81	ug/L		95
19) Acetone	2.519	43	41206	31.99	ug/L		97
20) Methyl acetate	2.599	43	87526	27.09	ug/L		99
21) trans-1,2-Dichloroethene	2.592	61	22195	5.36	ug/L		98
22) Hexane	2.641	56	11054	5.43	ug/L	#	92
23) Methyl Tert Butyl Ether	2.653	73	52873	5.24	ug/L		88
24) Tert Butyl Alcohol	2.702	59	44531	60.67	ug/L		94
25) Acetonitrile	2.794	41	27741	58.71	ug/L		95
26) Di-isopropyl ether	2.873	45	41295	5.30	ug/L		96
27) Chloroprene	2.934	53	17687	5.22	ug/L		97
28) 1,1-Dichloroethane	2.946	63	29251	5.31	ug/L		99
29) Acrylonitrile	2.970	52	39261	29.02	ug/L		97
30) ETBE	3.080	59	45450	5.12	ug/L		94
31) Vinyl acetate	3.080	43	150983	25.31	ug/L		98
32) cis-1,2-Dichloroethene	3.251	96	18178	5.39	ug/L		97
33) 2,2-Dichloropropane	3.312	77	21682	4.91	ug/L		98
34) Bromochloromethane	3.367	128	8139	5.31	ug/L		96
35) Cyclohexane	3.373	56	22551	5.37	ug/L		92
36) Chloroform	3.403	83	32525	5.35	ug/L		95
37) Ethyl acetate	3.464	43	120202	27.84	ug/L		98
38) Tetrahydrofuran	3.495	42	9500	5.77	ug/L		98
40) Carbon Tetrachloride	3.489	117	15041m	4.84	ug/L		
41) 1,1,1-Trichloroethane	3.531	97	24663	5.38	ug/L		98
42) 2-Butanone	3.568	43	67118	29.53	ug/L		96
43) 1,1-Dichloropropene	3.598	75	21805	5.36	ug/L		93
44) tert-Butyl formate	3.653	59	38635	17.35	ug/L	#	81

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86792.D
Acq On : 15 Aug 2024 9:38 am
Operator : jeniferw
Sample : IC4046-2 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 15 10:50:29 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Propionitrile	3.739	54	41300	59.90	ug/L		92
46) Methacrylonitrile	3.757	41	128981	54.97	ug/L		99
47) Benzene	3.739	78	75021	5.43	ug/L		93
48) TAME	3.897	73	21490	5.06	ug/L	#	75
49) Isobutyl alcohol	3.836	43	22527m	98.10	ug/L		
51) 1,2-Dichloroethane	3.848	62	23055	5.53	ug/L		98
52) Tert Amyl Alcohol	3.897	59	29839	51.16	ug/L		88
53) Trichloroethene	4.074	95	18427	5.34	ug/L		96
54) Methylcyclohexane	4.074	83	25624	5.25	ug/L		96
55) Dibromomethane	4.324	93	11584	5.30	ug/L		90
56) 1,2-Dichloropropane	4.385	63	16547	5.10	ug/L		96
57) Bromodichloromethane	4.421	83	18537	4.87	ug/L		98
58) Methyl methacrylate	4.507	41	13954	5.21	ug/L		97
59) 1,4-Dioxane	4.537	88	6990	120.02	ug/L		98
60) 2-Chloroethyl vinyl ether	4.763	63	65179	26.02	ug/L		98
61) cis-1,3-Dichloropropene	4.812	75	23443	4.81	ug/L		100
64) Toluene	4.964	91	74346	5.48	ug/L		98
65) 2-Nitropropane	5.104	41	9192	11.99	ug/L		87
66) 4-Methyl-2-pentanone	5.196	43	113823	29.53	ug/L		99
67) trans-1,3-Dichloropropene	5.226	75	22637	5.01	ug/L		94
68) Tetrachloroethene	5.220	166	14761	5.35	ug/L		95
69) Ethyl methacrylate	5.324	69	21497	4.97	ug/L		91
70) 1,1,2-Trichloroethane	5.330	83	14775	5.47	ug/L		94
71) Dibromochloromethane	5.458	129	11415	4.98	ug/L		98
72) 1,3-Dichloropropane	5.519	76	29653	5.41	ug/L		98
73) 1,2-Dibromoethane	5.616	107	15921	5.18	ug/L		92
74) 3,3-dimethyl-1-butanol	5.732	57	148162	244.69	ug/L		95
75) 2-hexanone	5.757	43	115294	29.51	ug/L		91
76) 1-Chlorohexane	5.964	91	21197m	4.89	ug/L		
77) Ethylbenzene	6.000	91	79816	5.47	ug/L		98
78) Chlorobenzene	5.982	112	44405	5.31	ug/L		97
79) 1,1,1,2-Tetrachloroethane	6.025	131	11359	5.05	ug/L		93
80) m,p-Xylene	6.098	91	119770	10.51	ug/L		98
81) o-Xylene	6.415	91	59178	5.18	ug/L		98
82) Styrene	6.451	104	41380	4.94	ug/L		98
83) Bromoform	6.470	173	5495	4.80	ug/L		98
84) Isopropylbenzene	6.647	105	63827	5.14	ug/L		98
87) cis-1,4-Dichloro-2-butene	6.903	53	5389	5.59	ug/L	#	72
88) n-Propylbenzene	6.957	91	79017	5.46	ug/L		98
89) Bromobenzene	6.939	156	15727	5.64	ug/L		94
90) 1,1,2,2-Tetrachloroethane	7.006	83	26418	5.78	ug/L		97
91) 1,3,5-Trimethylbenzene	7.110	105	51841	5.38	ug/L		97
92) 2-Chlorotoluene	7.079	91	56974	5.68	ug/L		98
93) trans-1,4-Dichloro-2-B...	7.146	53	5092	6.13	ug/L	#	56
94) 1,2,3-Trichloropropane	7.116	110	8405	6.00	ug/L		95
95) Cyclohexanone	7.146	55	5323	31.75	ug/L		92
96) 4-Chlorotoluene	7.207	91	53071	5.60	ug/L		99
97) tert-Butylbenzene	7.360	91	30010	5.47	ug/L		97
99) 1,2,4-Trimethylbenzene	7.415	105	49533	5.17	ug/L		99
100) Pentachloroethane	7.378	167	4916	5.14	ug/L	#	37
101) sec-Butylbenzene	7.494	105	58389	5.27	ug/L		97
102) 4-Isopropyltoluene	7.604	119	45580	5.08	ug/L		99
103) 1,3-Dichlorobenzene	7.659	146	28239	5.37	ug/L		96
104) 1,2,3-Trimethylbenzene	7.744	105	55131	5.25	ug/L		98
105) 1,4-Dichlorobenzene	7.726	146	29771	5.41	ug/L		85
106) n-Butylbenzene	7.921	92	25333	4.70	ug/L	#	80
107) Benzyl Chloride	7.909	126	3899	3.99	ug/L	#	79
108) 1,2-Dichlorobenzene	8.030	146	27401	5.45	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86792.D
Acq On : 15 Aug 2024 9:38 am
Operator : jeniferw
Sample : IC4046-2 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 15 10:50:29 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration

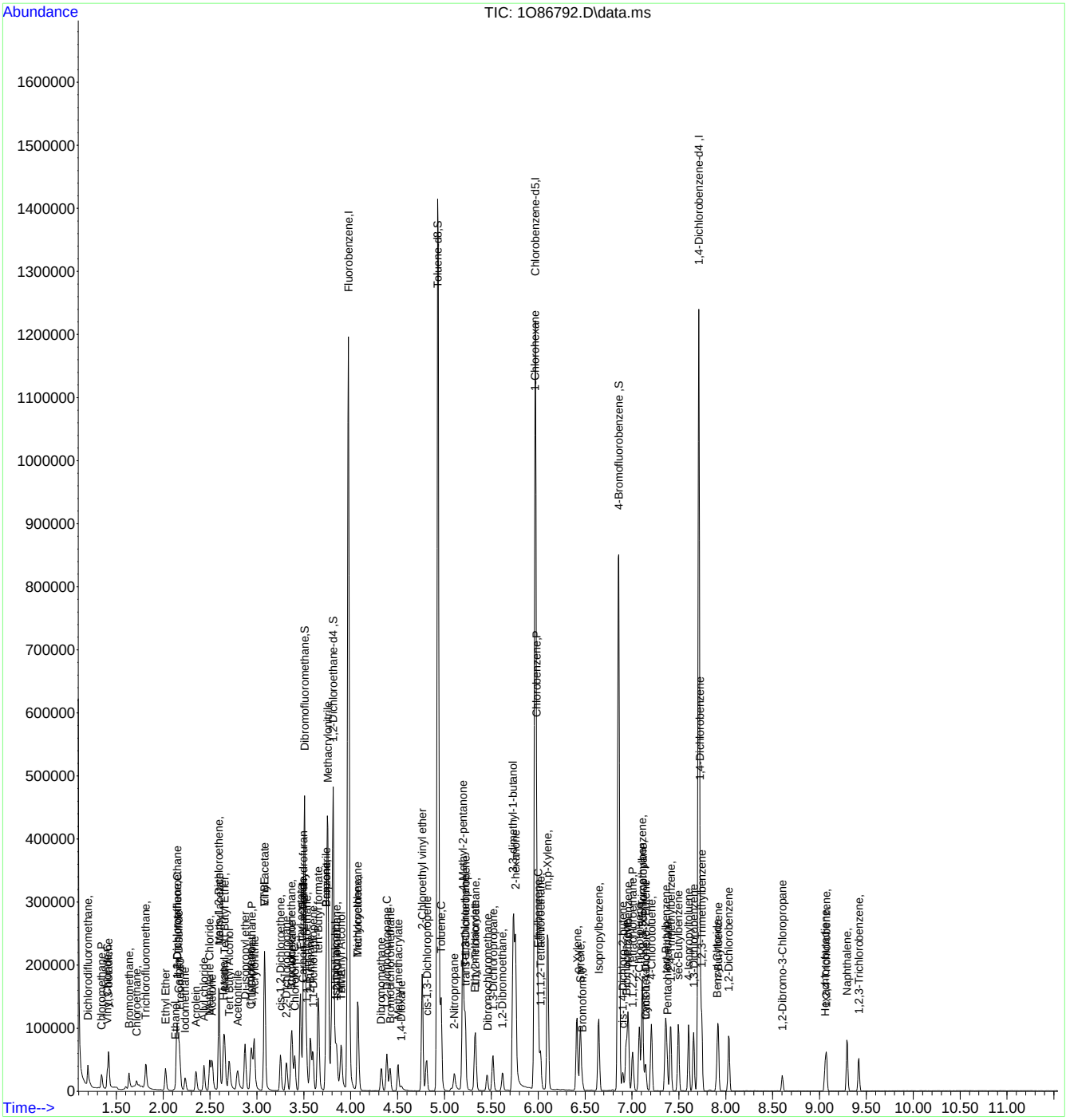
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
109) 1,2-Dibromo-3-Chloropr...	8.604	75	5351	5.71	ug/L	97
110) Hexachlorobutadiene	9.061	225	4407	4.78	ug/L	87
111) 1,2,4-Trichlorobenzene	9.073	180	12131	4.51	ug/L	96
112) Naphthalene	9.292	128	48314	4.48	ug/L	98
113) 1,2,3-Trichlorobenzene	9.420	180	11510	4.51	ug/L	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86792.D
Acq On : 15 Aug 2024 9:38 am
Operator : jeniferw
Sample : IC4046-2 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 15 10:50:29 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: V1O4046-IC4046
Lab FileID: 1O86792.D
Injection Time: 08/15/24 09:38

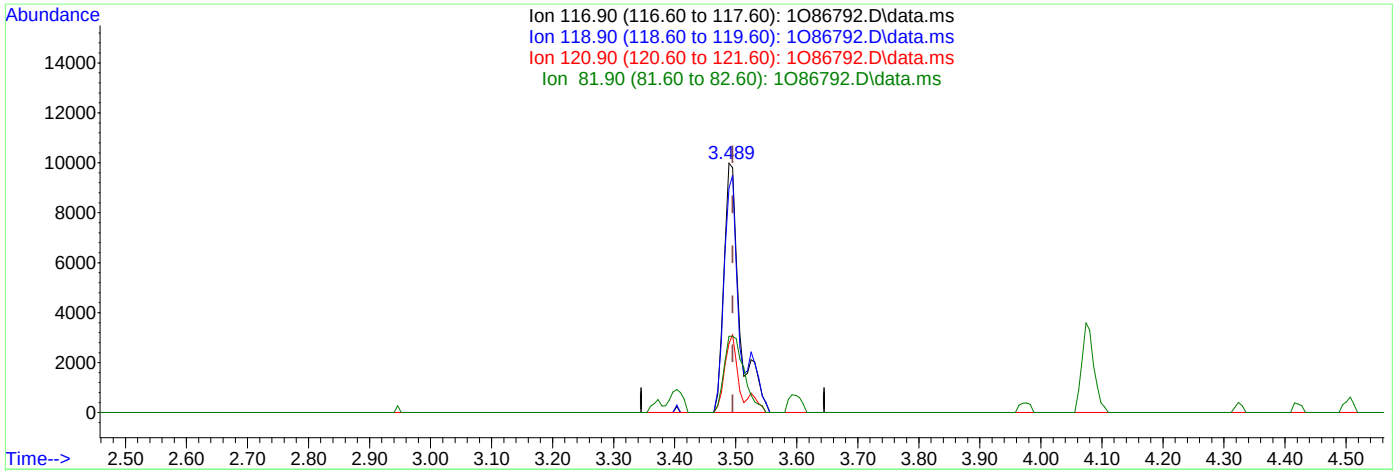
Method: SW846 8260D
Analyst approved: 08/15/24 13:51 Jenifer Willis
Supervisor approved: 08/15/24 14:28 Karen Watson

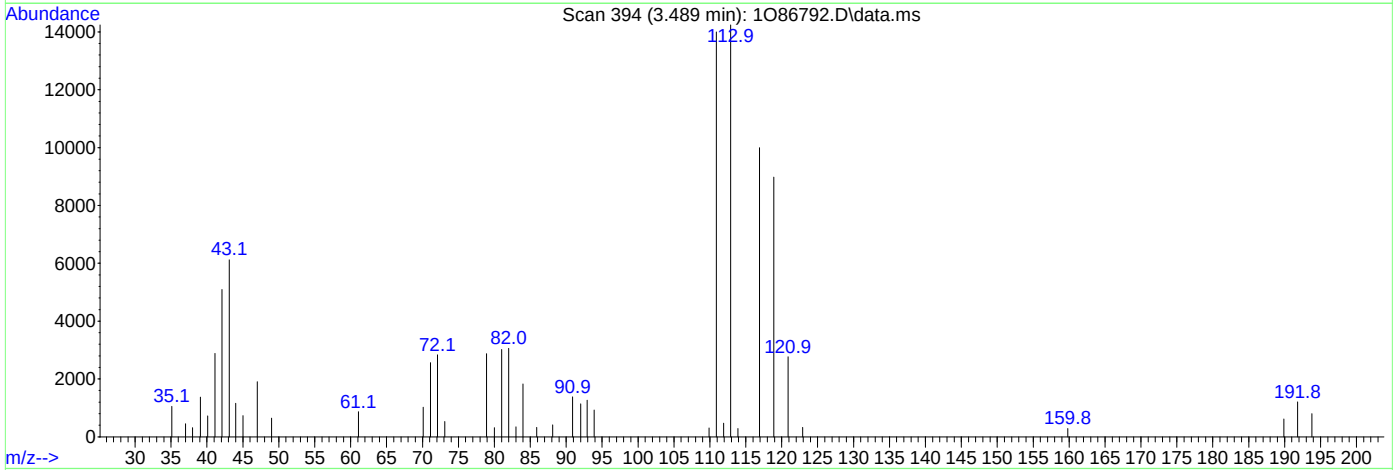
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.49	Overlapping peak
Isobutyl Alcohol	78-83-1		3.84	Poorly defined baseline
1-Chlorohexane	544-10-5		5.96	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86792.D
Acq On : 15 Aug 2024 9:38 am
Operator : jeniferw
Sample : IC4046-2 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 15 10:45:58 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration





TIC: 1O86792.D\data.ms

(40) Carbon Tetrachloride ( )

3.489min (-0.006) 5.79ug/L

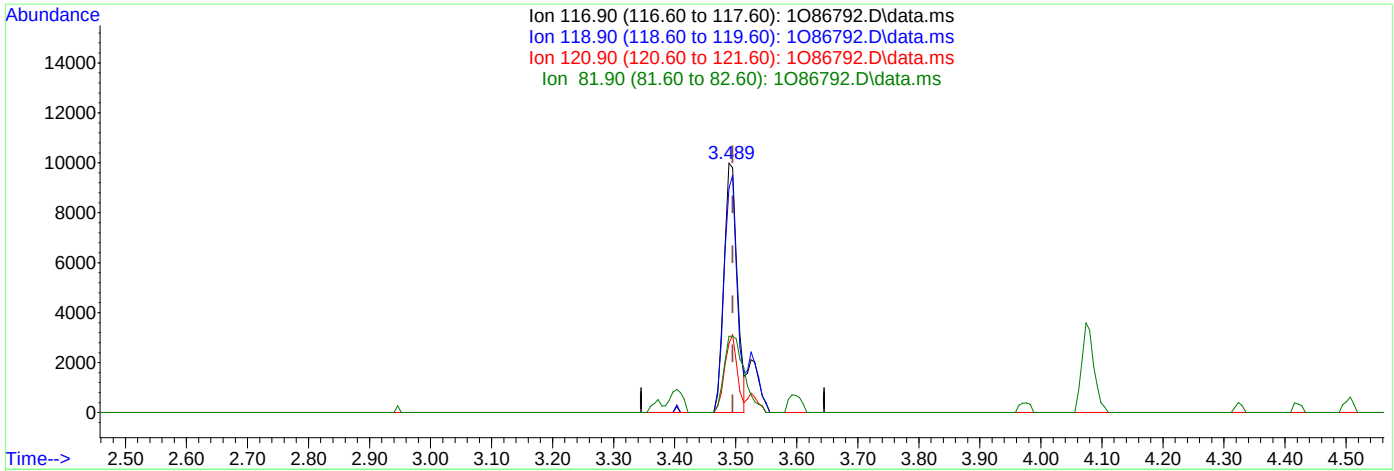
response 18002

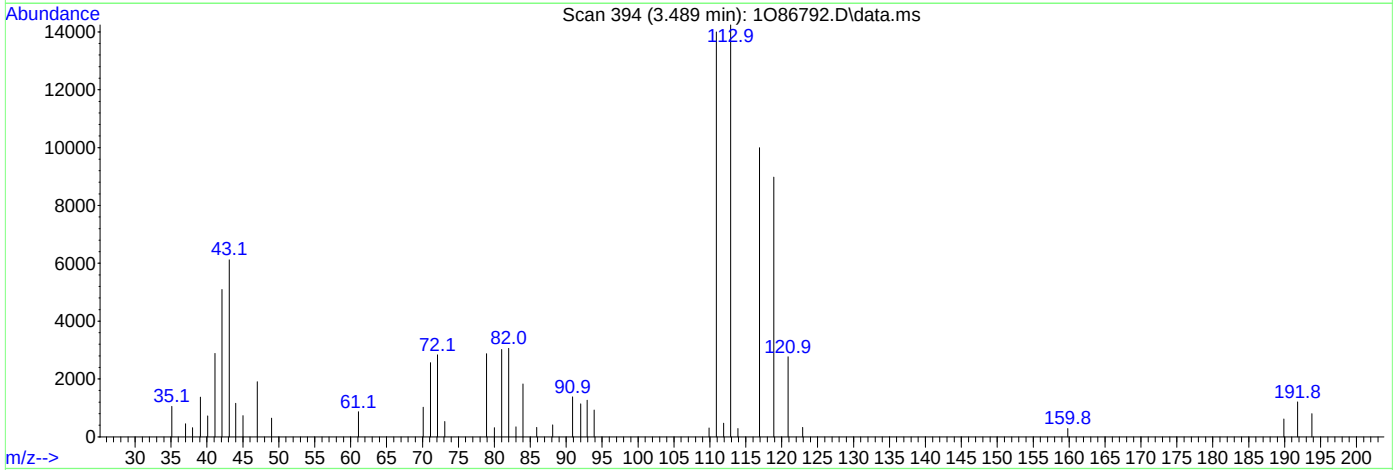
Ion	Exp%	Act%
116.90	100	100
118.90	96.40	89.83
120.90	31.60	27.67
81.90	27.50	30.55

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86792.D
Acq On : 15 Aug 2024 9:38 am
Operator : jeniferw
Sample : IC4046-2 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 15 10:45:58 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration





TIC: 1O86792.D\data.ms

(40) Carbon Tetrachloride ( )

3.489min (-0.006) 4.84ug/L m

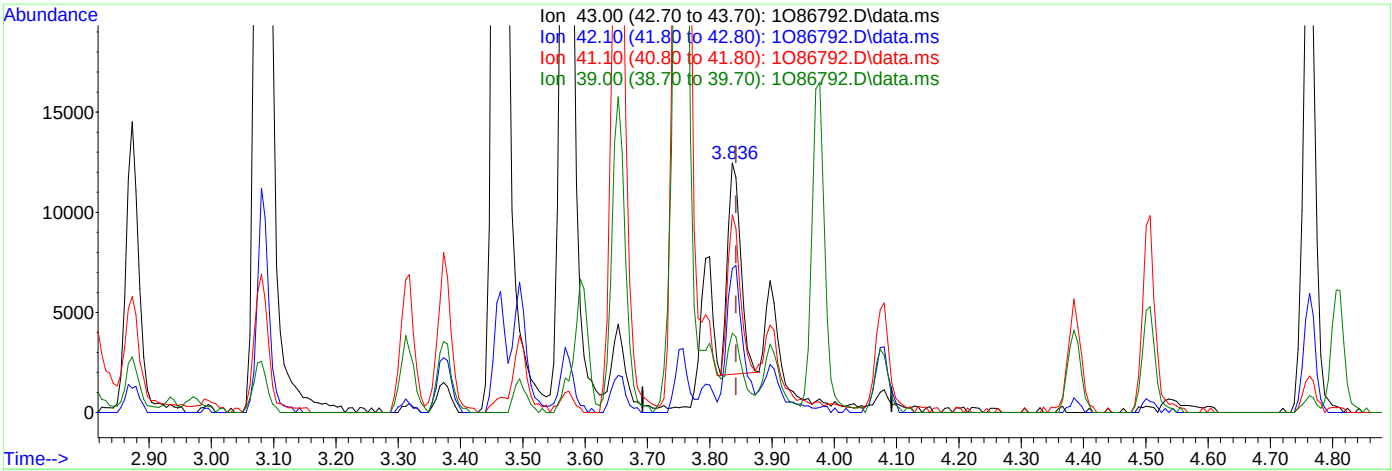
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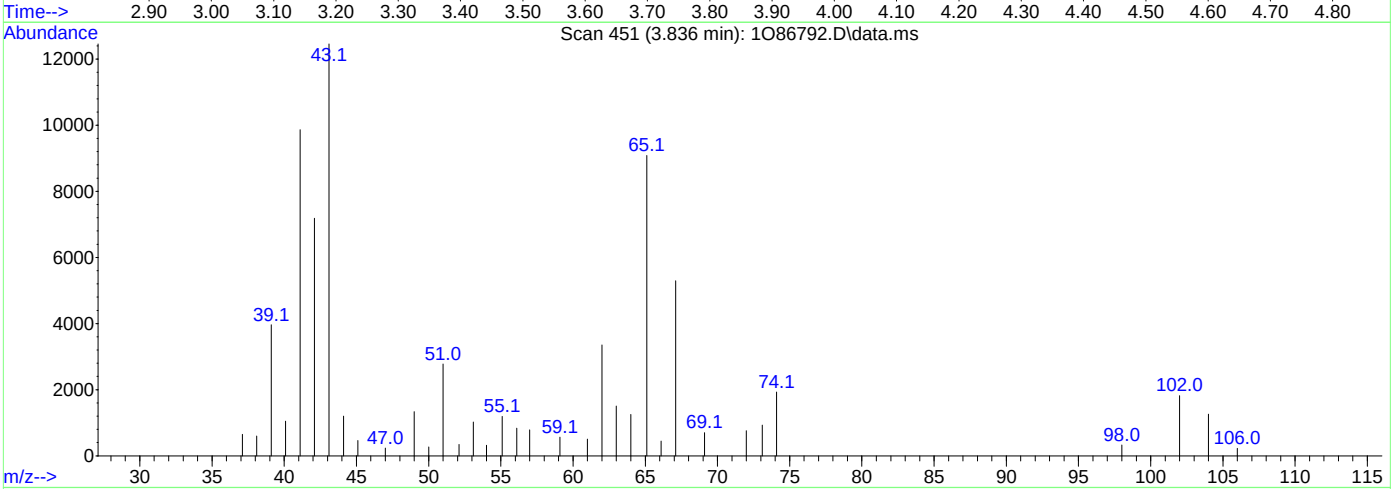
Ion	Exp%	Act%
116.90	100	100
118.90	96.40	89.83
120.90	31.60	27.67
81.90	27.50	30.55

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86792.D
Acq On : 15 Aug 2024 9:38 am
Operator : jeniferw
Sample : IC4046-2 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 15 10:45:58 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration





TIC: 1O86792.D\data.ms

(49) Isobutyl alcohol

3.836min (-0.006) 67.15ug/L

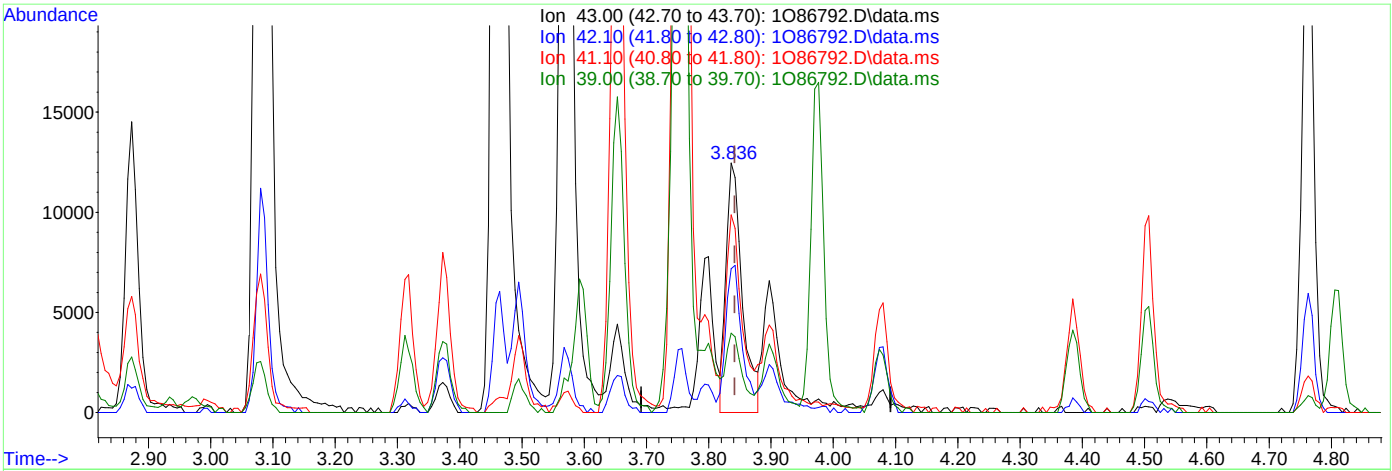
response 15420

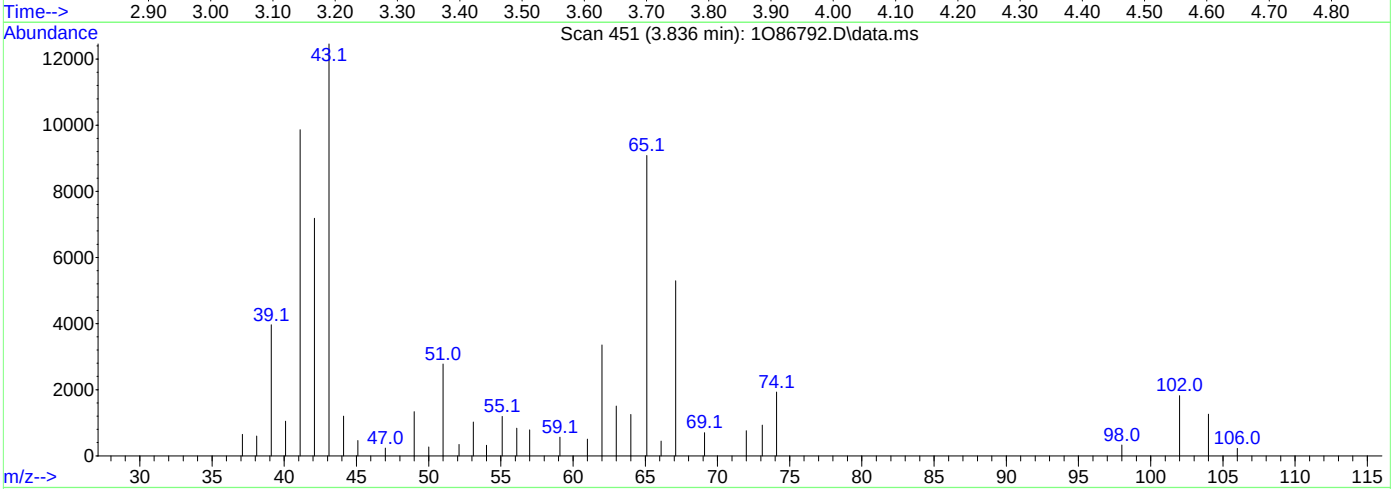
Ion	Exp%	Act%
43.00	100	100
42.10	59.20	58.66
41.10	74.00	75.77
39.00	25.80	26.76

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86792.D
Acq On : 15 Aug 2024 9:38 am
Operator : jeniferw
Sample : IC4046-2 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 15 10:45:58 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration





TIC: 1O86792.D\data.ms

(49) Isobutyl alcohol

3.836min (-0.006) 98.10ug/L m

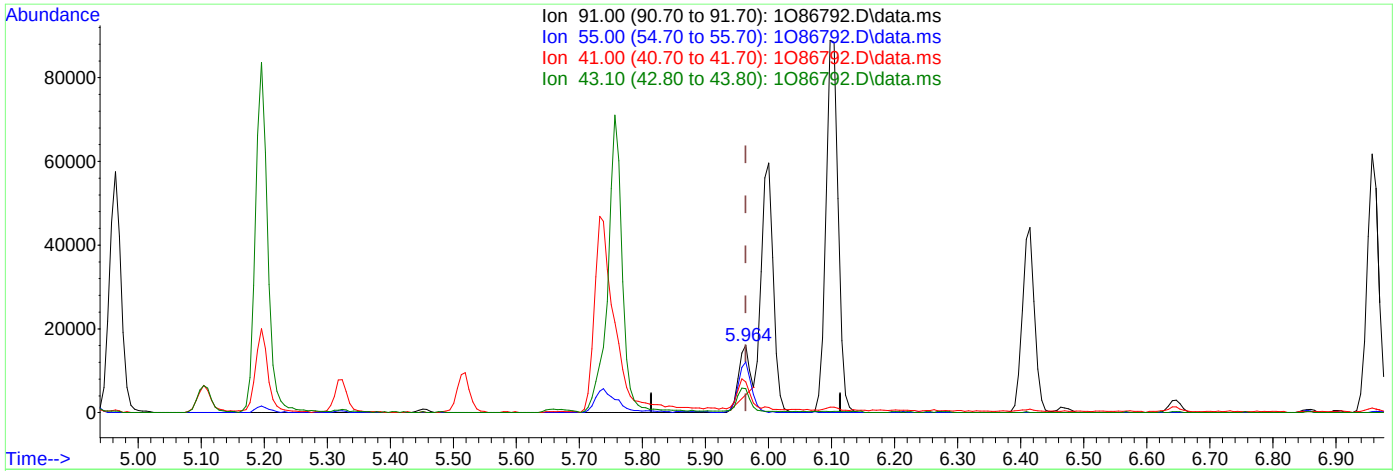
response 22527

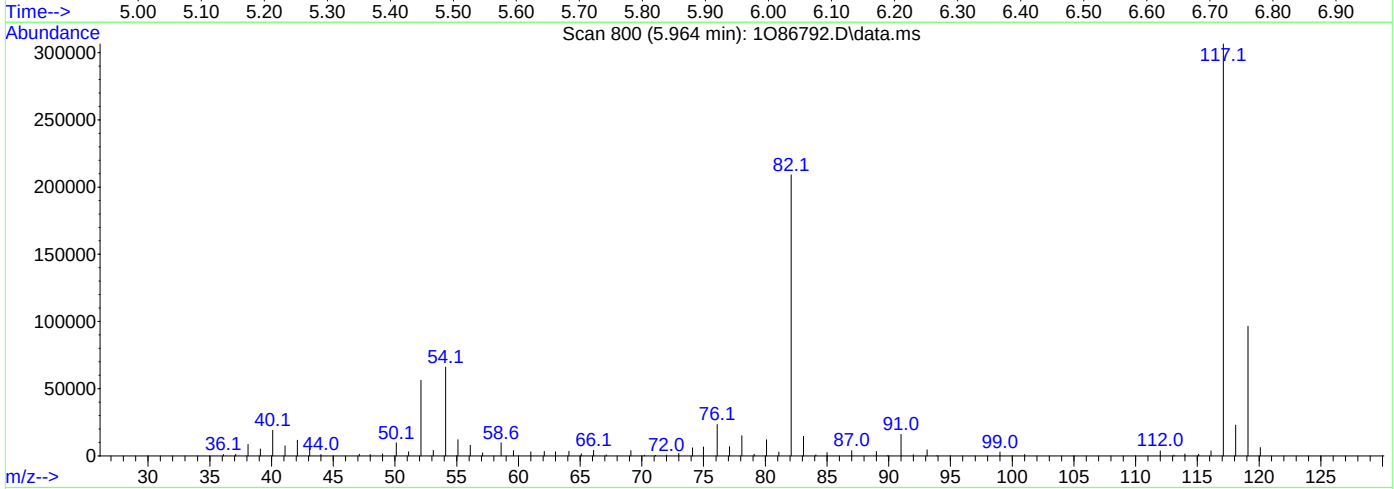
Ion	Exp%	Act%
43.00	100	100
42.10	59.20	57.65
41.10	74.00	79.14
39.00	25.80	31.80

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86792.D
Acq On : 15 Aug 2024 9:38 am
Operator : jeniferw
Sample : IC4046-2 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 15 10:45:58 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration





TIC: 1O86792.D\data.ms

(76) 1-Chlorohexane

5.964min (-0.000) 3.20ug/L

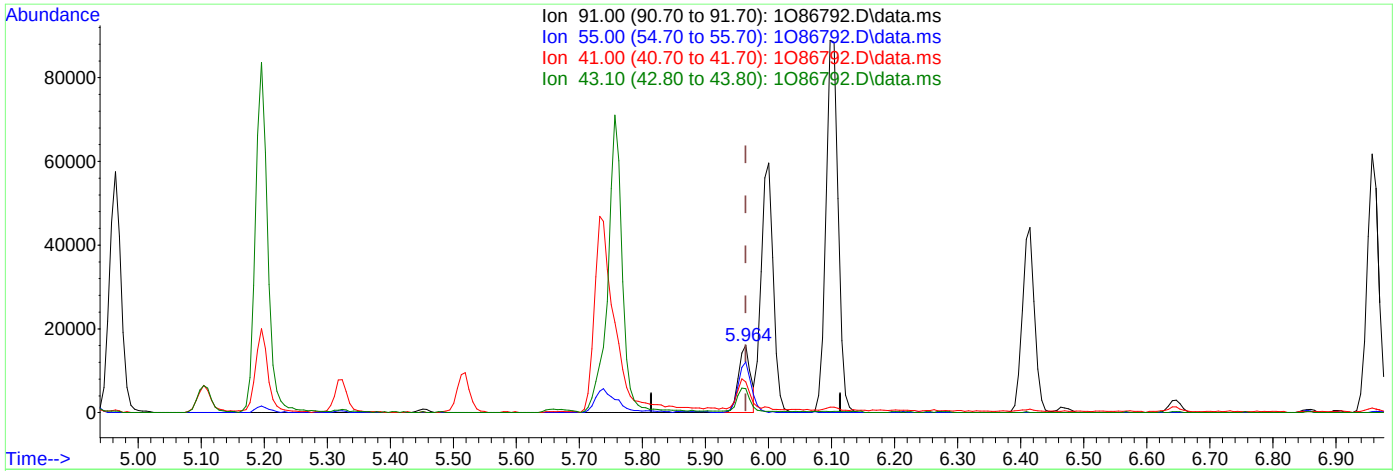
response 13860

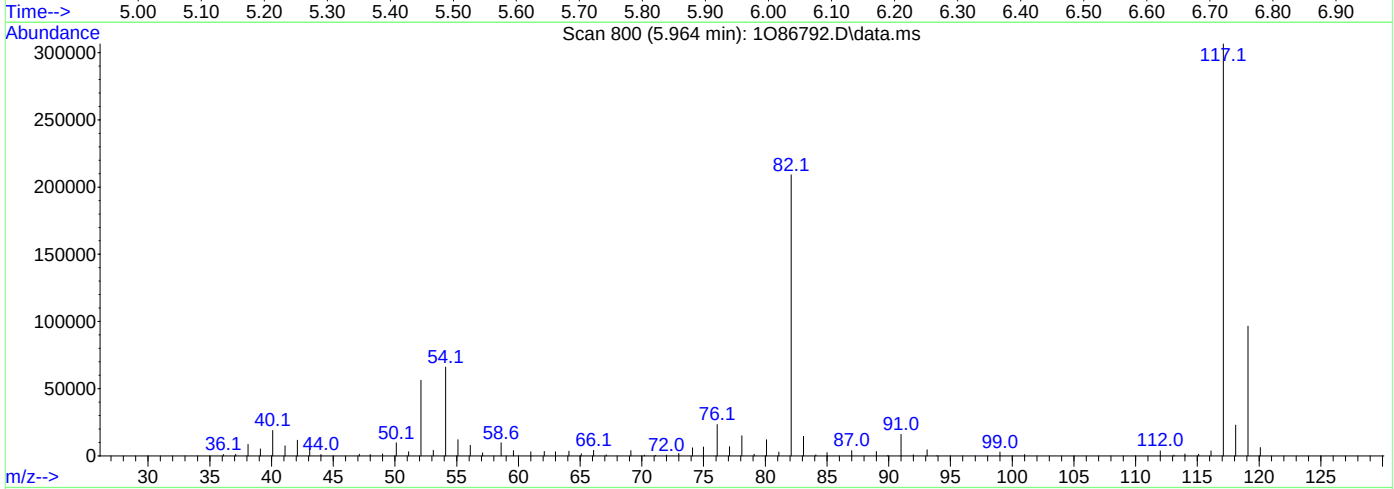
Ion	Exp%	Act%
91.00	100	100
55.00	60.10	73.69
41.00	42.20	38.91
43.10	35.10	33.21

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86792.D
Acq On : 15 Aug 2024 9:38 am
Operator : jeniferw
Sample : IC4046-2 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 15 10:45:58 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration





TIC: 1O86792.D\data.ms

(76) 1-Chlorohexane

5.964min (-0.000) 4.89ug/L m

response 21197

Ion	Exp%	Act%
91.00	100	100
55.00	60.10	75.28
41.00	42.20	45.65
43.10	35.10	35.53

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
08/15/24 14:28

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86793.D
Acq On : 15 Aug 2024 10:03 am
Operator : jeniferw
Sample : IC4046-3 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 15 10:51:17 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.977	96	777227	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.970	117	497478	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.714	152	227131	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.507	113	187477	49.58	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.16%			
50) 1,2-Dichloroethane-d4	3.812	65	230411	50.72	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 101.44%			
63) Toluene-d8	4.928	98	748575	50.24	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.48%			
86) 4-Bromofluorobenzene	6.860	174	170296	52.41	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 104.82%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.197	85	36662	12.61	ug/L	99
3) Chloromethane	1.343	50	25313	10.44	ug/L	97
4) 1,3-butadiene	1.422	39	21292	8.38	ug/L	99
5) Vinyl Chloride	1.404	62	29808	9.92	ug/L	98
6) Bromomethane	1.636	94	16325	13.58	ug/L	98
7) Chloroethane	1.721	64	9327	12.10	ug/L	93
8) Trichlorofluoromethane	1.819	101	36367	9.96	ug/L	100
9) Ethyl Ether	2.026	59	20199	8.25	ug/L	95
10) Ethanol	2.136	45	8689	195.71	ug/L	95
11) 1,2-Dichlorotrifluoroe...	2.148	67	29850	7.97	ug/L	98
12) 1,1-Dichloroethene	2.148	61	32518	8.11	ug/L	98
13) Freon 113	2.178	101	22190	8.09	ug/L	96
14) Carbon Disulfide	2.166	76	69852	7.41	ug/L	99
15) Iodomethane	2.233	142	25219	26.07	ug/L	99
16) Acrolein	2.349	56	31973	53.56	ug/L	99
17) Allyl chloride	2.434	41	26164	8.38	ug/L	91
18) Methylene Chloride	2.495	49	26405	8.58	ug/L	95
19) Acetone	2.520	43	61189	48.28	ug/L	98
20) Methyl acetate	2.599	43	133807	42.08	ug/L	98
21) trans-1,2-Dichloroethene	2.593	61	33182	8.15	ug/L	96
22) Hexane	2.642	56	15734	7.85	ug/L	94
23) Methyl Tert Butyl Ether	2.654	73	80341	8.09	ug/L	84
24) Tert Butyl Alcohol	2.702	59	72784	100.77	ug/L	95
25) Acetonitrile	2.794	41	41955	90.24	ug/L	98
26) Di-isopropyl ether	2.873	45	62472	8.16	ug/L	98
27) Chloroprene	2.934	53	27516	8.25	ug/L	96
28) 1,1-Dichloroethane	2.946	63	43624	8.05	ug/L	99
29) Acrylonitrile	2.971	52	60096	45.15	ug/L	98
30) ETBE	3.080	59	70892	8.12	ug/L	97
31) Vinyl acetate	3.080	43	226166	38.53	ug/L	98
32) cis-1,2-Dichloroethene	3.251	96	27214	8.20	ug/L	97
33) 2,2-Dichloropropane	3.318	77	33019	7.59	ug/L	99
34) Bromochloromethane	3.367	128	12784	8.47	ug/L	96
35) Cyclohexane	3.373	56	33149	8.03	ug/L	95
36) Chloroform	3.404	83	50228	8.40	ug/L	99
37) Ethyl acetate	3.465	43	183059	43.09	ug/L	99
38) Tetrahydrofuran	3.495	42	14467	8.92	ug/L	97
40) Carbon Tetrachloride	3.489	117	22774m	7.44	ug/L	
41) 1,1,1-Trichloroethane	3.526	97	36509	8.09	ug/L	98
42) 2-Butanone	3.568	43	103109	46.11	ug/L	98
43) 1,1-Dichloropropene	3.599	75	32929	8.23	ug/L	96
44) tert-Butyl formate	3.654	59	63777	29.10	ug/L #	87

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86793.D
Acq On : 15 Aug 2024 10:03 am
Operator : jeniferw
Sample : IC4046-3 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 15 10:51:17 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Propionitrile	3.739	54	65420	96.43	ug/L		93
46) Methacrylonitrile	3.757	41	206857	89.59	ug/L		100
47) Benzene	3.739	78	112278	8.25	ug/L		95
48) TAME	3.897	73	34111	8.17	ug/L		87
49) Isobutyl alcohol	3.836	43	35765m	158.29	ug/L		
51) 1,2-Dichloroethane	3.855	62	35133	8.56	ug/L		99
52) Tert Amyl Alcohol	3.897	59	48573	84.64	ug/L		91
53) Trichloroethene	4.074	95	27416	8.08	ug/L		97
54) Methylcyclohexane	4.080	83	37513	7.81	ug/L		97
55) Dibromomethane	4.324	93	17658	8.21	ug/L		94
56) 1,2-Dichloropropane	4.385	63	25466	7.98	ug/L		97
57) Bromodichloromethane	4.422	83	29453	7.87	ug/L		98
58) Methyl methacrylate	4.507	41	22206	8.43	ug/L		93
59) 1,4-Dioxane	4.537	88	10886	189.94	ug/L		92
60) 2-Chloroethyl vinyl ether	4.763	63	107229	43.51	ug/L		95
61) cis-1,3-Dichloropropene	4.812	75	37465	7.81	ug/L		98
64) Toluene	4.964	91	109719	8.24	ug/L		99
65) 2-Nitropropane	5.104	41	14387	19.01	ug/L		91
66) 4-Methyl-2-pentanone	5.196	43	172376	45.62	ug/L		100
67) trans-1,3-Dichloropropene	5.226	75	36272	8.19	ug/L		99
68) Tetrachloroethene	5.220	166	21269	7.87	ug/L		98
69) Ethyl methacrylate	5.324	69	34812	8.21	ug/L		94
70) 1,1,2-Trichloroethane	5.330	83	21841	8.25	ug/L		95
71) Dibromochloromethane	5.458	129	17184	7.58	ug/L		90
72) 1,3-Dichloropropane	5.519	76	44419	8.27	ug/L		99
73) 1,2-Dibromoethane	5.623	107	25072	8.33	ug/L		96
74) 3,3-dimethyl-1-butanol	5.732	57	254564	428.80	ug/L		97
75) 2-hexanone	5.757	43	179760	46.93	ug/L		90
76) 1-Chlorohexane	5.964	91	31502m	7.41	ug/L		
77) Ethylbenzene	6.001	91	117917	8.25	ug/L		98
78) Chlorobenzene	5.982	112	66372	8.10	ug/L		96
79) 1,1,1,2-Tetrachloroethane	6.025	131	16911	7.67	ug/L		99
80) m,p-Xylene	6.098	91	182337	16.32	ug/L		99
81) o-Xylene	6.415	91	90188	8.05	ug/L		98
82) Styrene	6.452	104	65336	7.95	ug/L		97
83) Bromoform	6.470	173	8261	7.25	ug/L		94
84) Isopropylbenzene	6.647	105	97047	7.97	ug/L		98
87) cis-1,4-Dichloro-2-butene	6.903	53	8928	9.54	ug/L	#	70
88) n-Propylbenzene	6.958	91	118749	8.44	ug/L		99
89) Bromobenzene	6.939	156	23430	8.65	ug/L		89
90) 1,1,2,2-Tetrachloroethane	7.007	83	39843	8.97	ug/L		99
91) 1,3,5-Trimethylbenzene	7.110	105	78118	8.35	ug/L		99
92) 2-Chlorotoluene	7.080	91	86226	8.84	ug/L		99
93) trans-1,4-Dichloro-2-B...	7.147	53	7424	9.20	ug/L	#	74
94) 1,2,3-Trichloropropane	7.116	110	12532	9.20	ug/L		93
95) Cyclohexanone	7.147	55	8554	52.51	ug/L		98
96) 4-Chlorotoluene	7.208	91	80388	8.73	ug/L		99
97) tert-Butylbenzene	7.360	91	45225	8.49	ug/L		97
99) 1,2,4-Trimethylbenzene	7.415	105	76883	8.25	ug/L		97
100) Pentachloroethane	7.372	167	7980	8.45	ug/L		95
101) sec-Butylbenzene	7.494	105	85758	7.97	ug/L		96
102) 4-Isopropyltoluene	7.604	119	68743	7.88	ug/L		98
103) 1,3-Dichlorobenzene	7.659	146	42154	8.25	ug/L		97
104) 1,2,3-Trimethylbenzene	7.744	105	85095	8.34	ug/L		98
105) 1,4-Dichlorobenzene	7.726	146	43584	8.15	ug/L		89
106) n-Butylbenzene	7.921	92	37678	7.19	ug/L	#	79
107) Benzyl Chloride	7.909	126	6951	7.18	ug/L	#	70
108) 1,2-Dichlorobenzene	8.037	146	40406	8.27	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86793.D
Acq On : 15 Aug 2024 10:03 am
Operator : jeniferw
Sample : IC4046-3 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 15 10:51:17 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration

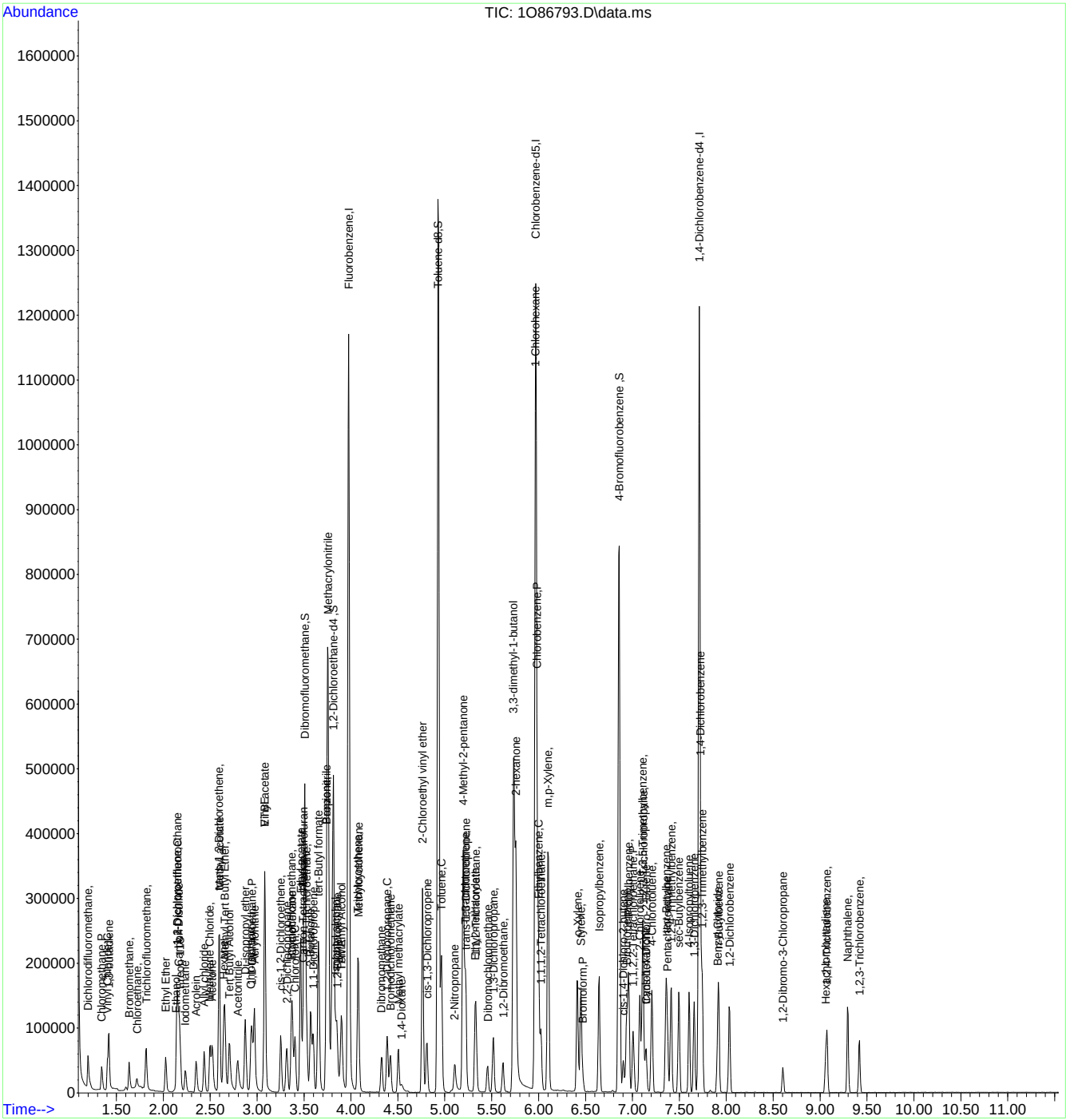
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
109) 1,2-Dibromo-3-Chloropr...	8.604	75	7908	8.59	ug/L	92
110) Hexachlorobutadiene	9.061	225	6031	6.73	ug/L	93
111) 1,2,4-Trichlorobenzene	9.073	180	17879	6.84	ug/L	98
112) Naphthalene	9.293	128	75877	7.24	ug/L	99
113) 1,2,3-Trichlorobenzene	9.421	180	16888	6.82	ug/L	94

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86793.D
Acq On : 15 Aug 2024 10:03 am
Operator : jeniferw
Sample : IC4046-3 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 15 10:51:17 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration



Manual Integration Approval Summary

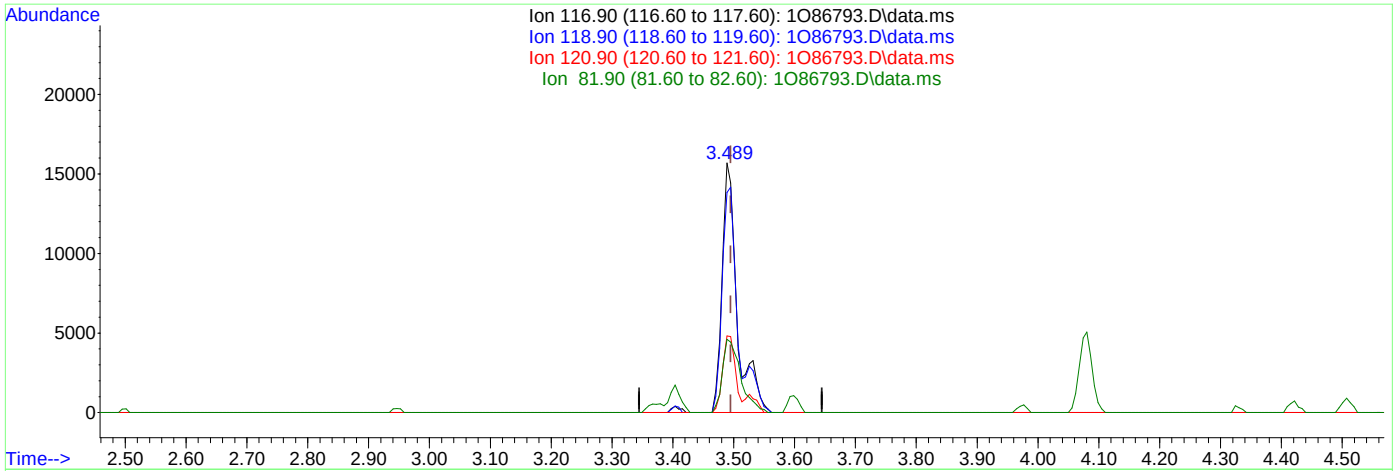
Sample Number:	V1O4046-IC4046	**Method:**	SW846 8260D
Lab FileID:	1O86793.D	**Analyst approved:**	08/15/24 13:51 Jenifer Willis
Injection Time:	08/15/24 10:03	**Supervisor approved:**	08/15/24 14:28 Karen Watson

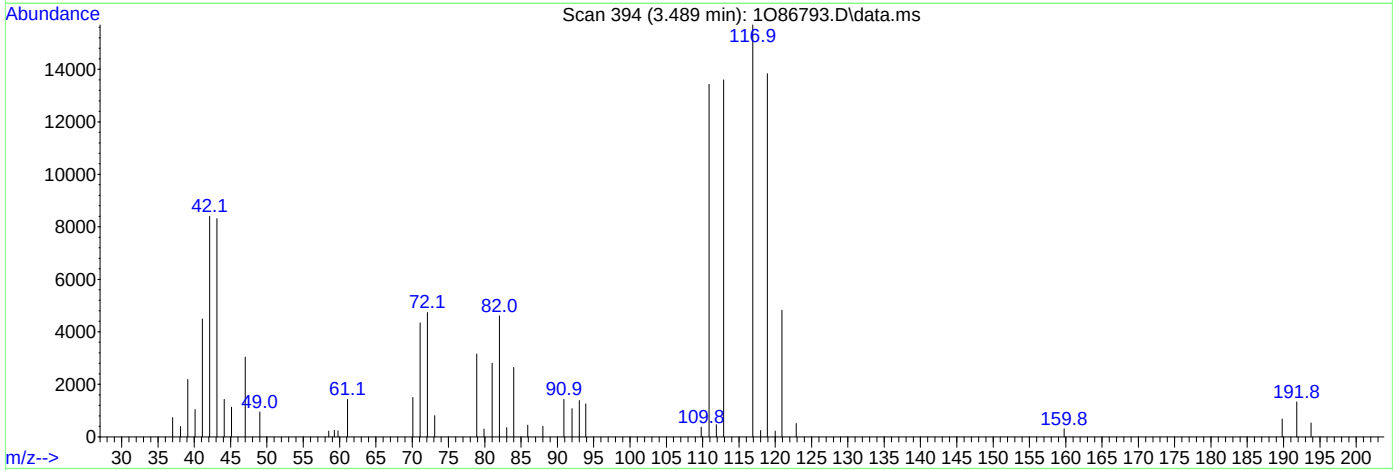
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.49	Overlapping peak
Isobutyl Alcohol	78-83-1		3.84	Poorly defined baseline
1-Chlorohexane	544-10-5		5.96	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86793.D
Acq On : 15 Aug 2024 10:03 am
Operator : jeniferw
Sample : IC4046-3 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 15 10:46:00 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration





TIC: 1O86793.D\data.ms

(40) Carbon Tetrachloride ( )

3.489min (-0.006) 8.92ug/L

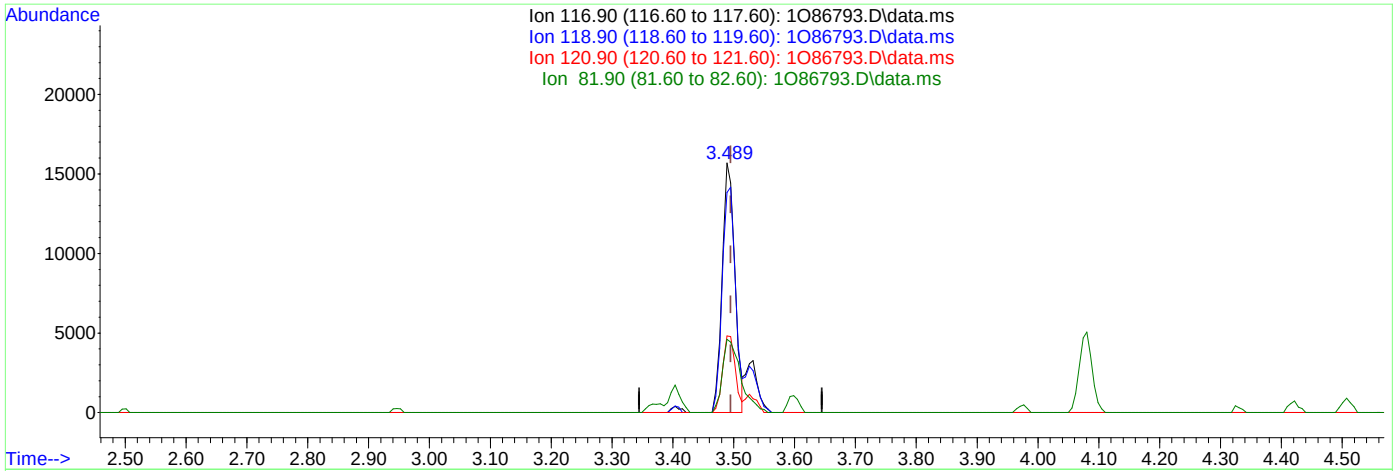
response 27297

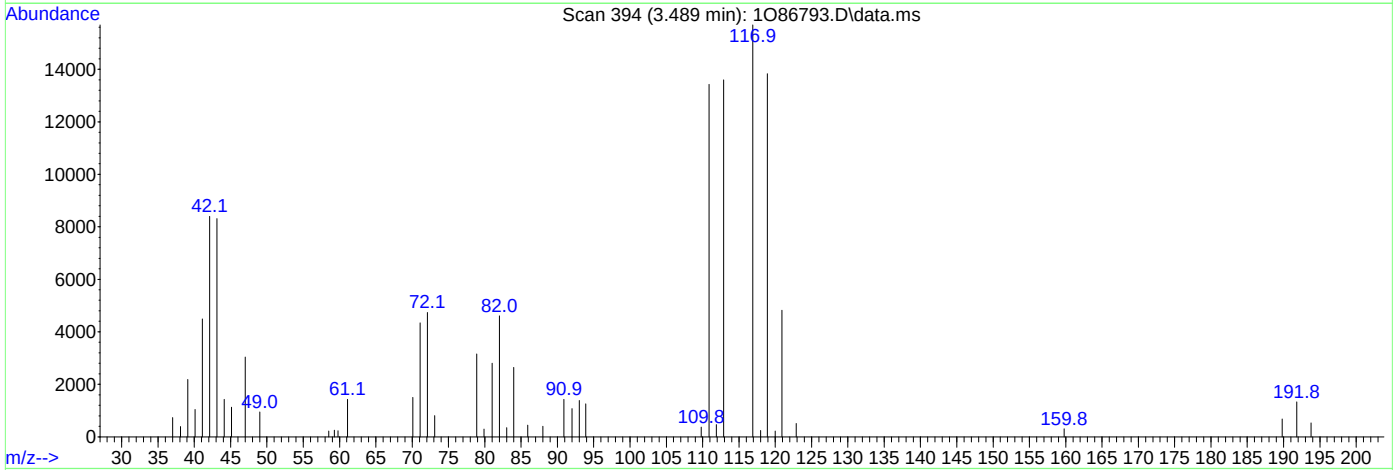
Ion	Exp%	Act%
116.90	100	100
118.90	96.40	88.16
120.90	31.60	30.74
81.90	27.50	29.39

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86793.D
Acq On : 15 Aug 2024 10:03 am
Operator : jeniferw
Sample : IC4046-3 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 15 10:46:00 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration





TIC: 1O86793.D\data.ms

(40) Carbon Tetrachloride ( )

3.489min (-0.006) 7.44ug/L m

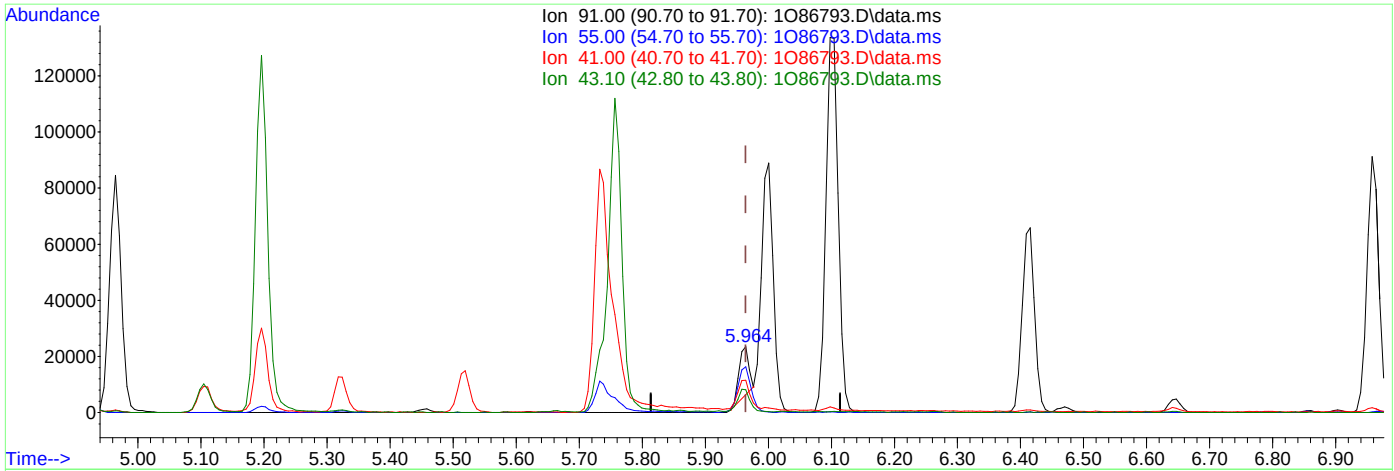
response 22774

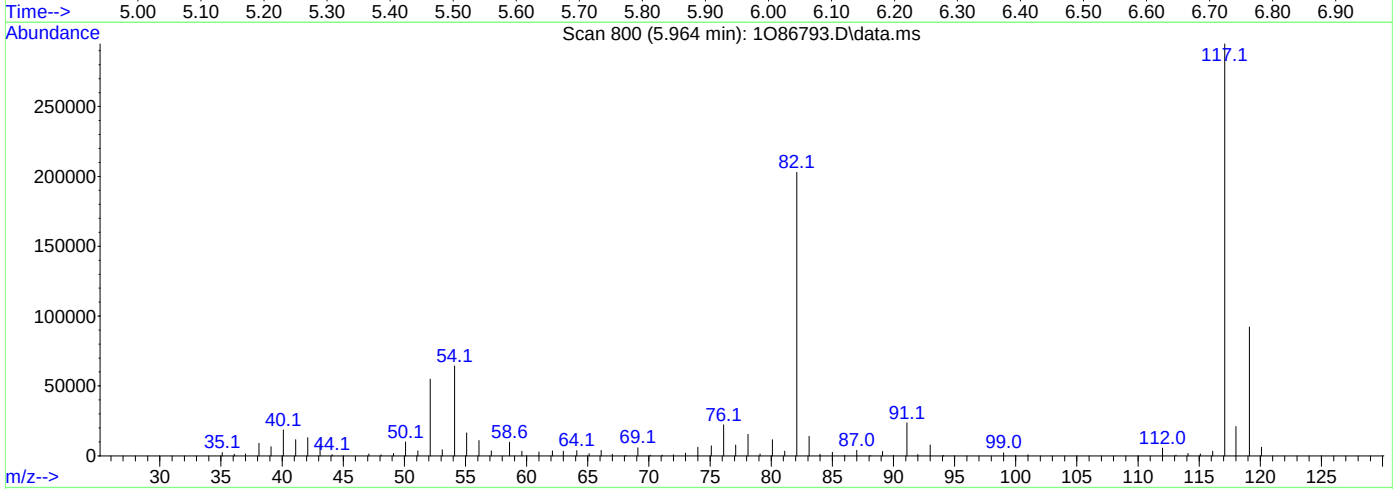
Ion	Exp%	Act%
116.90	100	100
118.90	96.40	88.16
120.90	31.60	30.74
81.90	27.50	29.39

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86793.D
Acq On : 15 Aug 2024 10:03 am
Operator : jeniferw
Sample : IC4046-3 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 15 10:46:00 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration





TIC: 1O86793.D\data.ms

(76) 1-Chlorohexane

5.964min (+0.000) 4.86ug/L

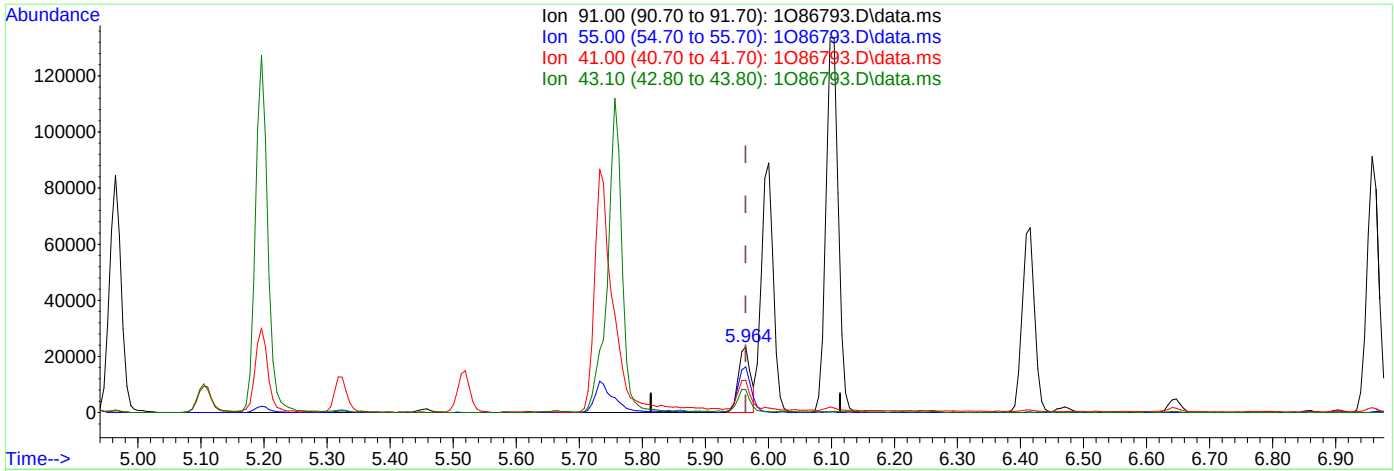
response 20629

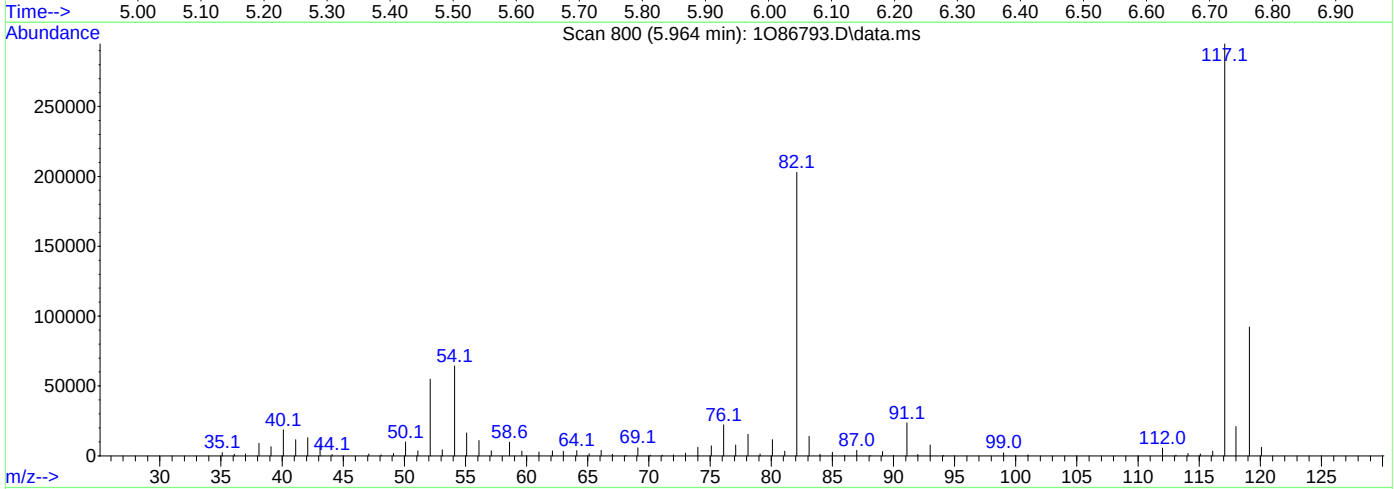
Ion	Exp%	Act%
91.00	100	100
55.00	60.10	67.58
41.00	42.20	44.15
43.10	35.10	31.87

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86793.D
Acq On : 15 Aug 2024 10:03 am
Operator : jeniferw
Sample : IC4046-3 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 15 10:46:00 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration





TIC: 1O86793.D\data.ms

(76) 1-Chlorohexane

5.964min (+0.000) 7.41ug/L m

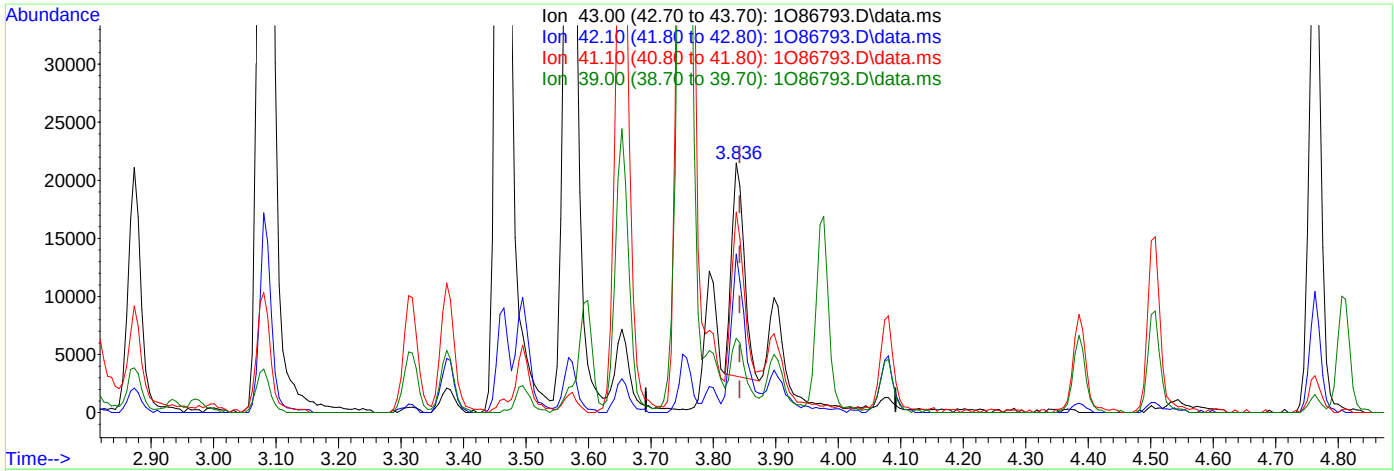
response 31502

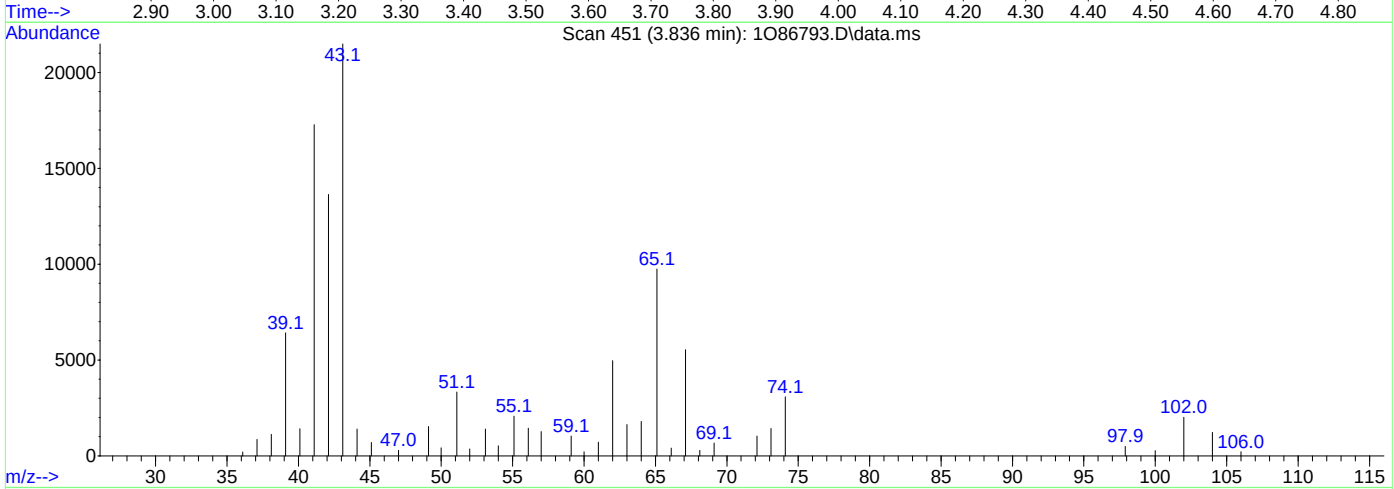
Ion	Exp%	Act%
91.00	100	100
55.00	60.10	69.51
41.00	42.20	48.77
43.10	35.10	34.46

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86793.D
Acq On : 15 Aug 2024 10:03 am
Operator : jeniferw
Sample : IC4046-3 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 15 10:46:00 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration





TIC: 1O86793.D\data.ms

(49) Isobutyl alcohol

3.836min (-0.006) 114.09ug/L

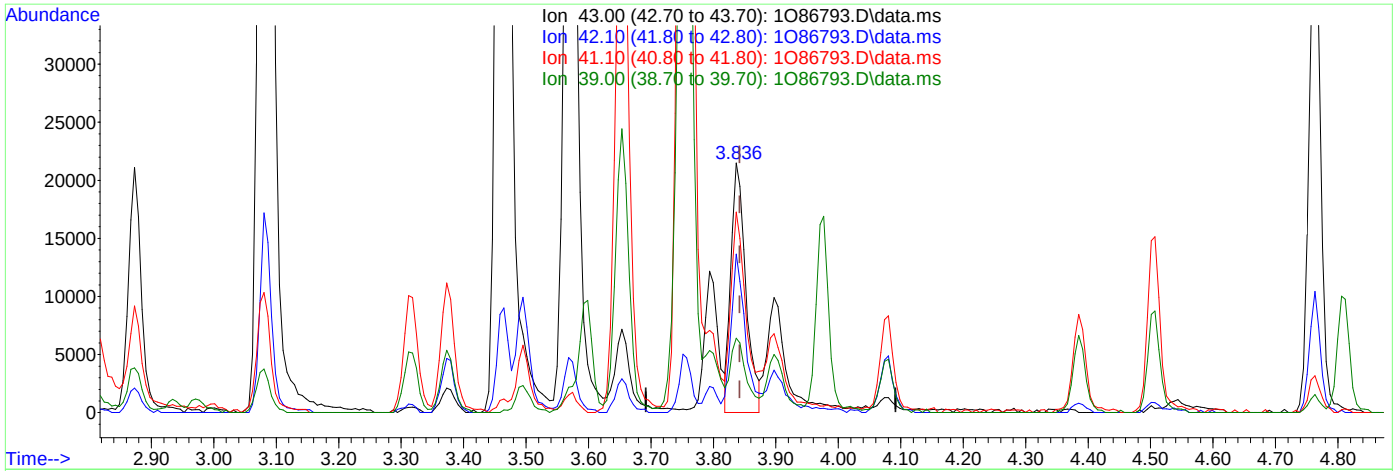
response 25780

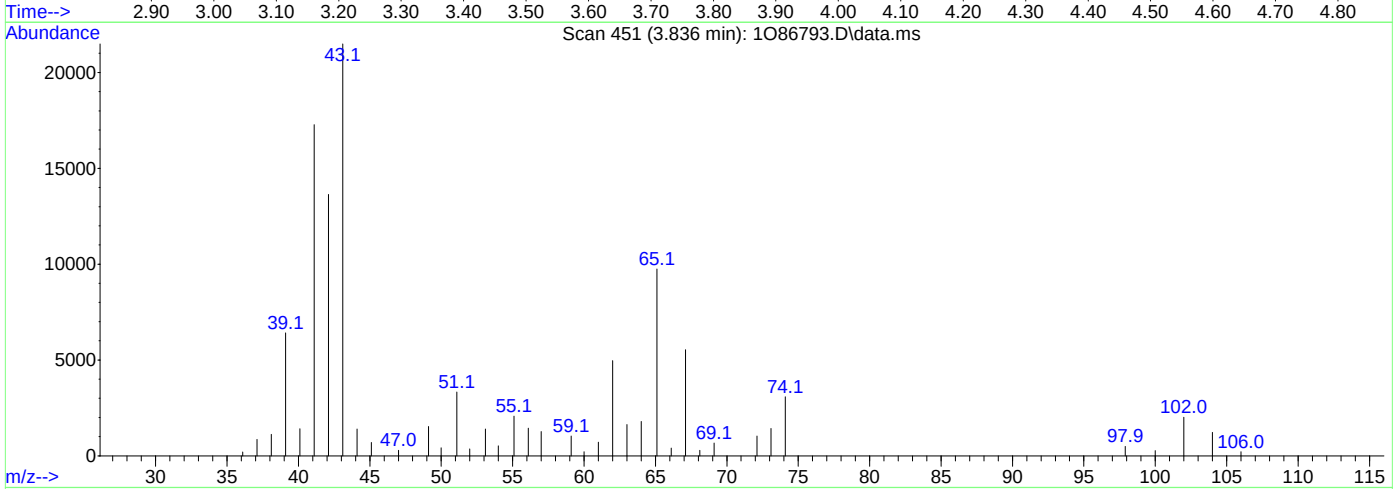
Ion	Exp%	Act%
43.00	100	100
42.10	59.20	65.10
41.10	74.00	77.78
39.00	25.80	27.53

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86793.D
Acq On : 15 Aug 2024 10:03 am
Operator : jeniferw
Sample : IC4046-3 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 15 10:46:00 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration





TIC: 1O86793.D\data.ms

(49) Isobutyl alcohol

3.836min (-0.006) 158.29ug/L m

response 35765

Ion	Exp%	Act%
43.00	100	100
42.10	59.20	63.42
41.10	74.00	80.35
39.00	25.80	29.84

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
08/15/24 14:28

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86794.D
Acq On : 15 Aug 2024 10:29 am
Operator : jeniferw
Sample : IC4046-4 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 15 10:52:58 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.977	96	773075	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.970	117	493851	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.714	152	228985	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.507	113	189914	50.50	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	101.00%		
50) 1,2-Dichloroethane-d4	3.812	65	235676	52.16	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery =	104.32%		
63) Toluene-d8	4.934	98	747942	50.56	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery =	101.12%		
86) 4-Bromofluorobenzene	6.860	174	171685	52.41	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	104.82%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.197	85	108591	37.54	ug/L	95
3) Chloromethane	1.343	50	70686	29.32	ug/L	97
4) 1,3-butadiene	1.416	39	62646	24.78	ug/L	95
5) Vinyl Chloride	1.404	62	85960	28.76	ug/L	100
6) Bromomethane	1.636	94	46712	39.07	ug/L	97
7) Chloroethane	1.715	64	25520	33.29	ug/L	100
8) Trichlorofluoromethane	1.812	101	104725	28.84	ug/L	100
9) Ethyl Ether	2.026	59	60063	24.67	ug/L	99
10) Ethanol	2.123	45	21482	486.47	ug/L	100
11) 1,2-Dichlorotrifluoroe...	2.148	67	91811	24.64	ug/L	95
12) 1,1-Dichloroethene	2.148	61	99739	25.02	ug/L	97
13) Freon 113	2.172	101	70632	25.88	ug/L	98
14) Carbon Disulfide	2.166	76	221243	23.60	ug/L	100
15) Iodomethane	2.233	142	82286	61.67	ug/L	98
16) Acrolein	2.349	56	94090	158.48	ug/L	100
17) Allyl chloride	2.434	41	78673	25.33	ug/L	97
18) Methylene Chloride	2.495	49	74878	24.46	ug/L	97
19) Acetone	2.520	43	173564	137.68	ug/L	100
20) Methyl acetate	2.593	43	405370	128.18	ug/L	99
21) trans-1,2-Dichloroethene	2.593	61	100218	24.74	ug/L	97
22) Hexane	2.641	56	48433	24.30	ug/L	96
23) Methyl Tert Butyl Ether	2.654	73	242219	24.53	ug/L	90
24) Tert Butyl Alcohol	2.702	59	231504	322.24	ug/L	96
25) Acetonitrile	2.794	41	116290	251.47	ug/L	98
26) Di-isopropyl ether	2.873	45	190632	25.02	ug/L	99
27) Chloroprene	2.934	53	87275	26.30	ug/L	99
28) 1,1-Dichloroethane	2.946	63	132444	24.57	ug/L	99
29) Acrylonitrile	2.971	52	168780	127.47	ug/L	99
30) ETBE	3.080	59	212582	24.49	ug/L	98
31) Vinyl acetate	3.080	43	658574	112.81	ug/L	99
32) cis-1,2-Dichloroethene	3.251	96	79584	24.11	ug/L	96
33) 2,2-Dichloropropane	3.318	77	103143	23.84	ug/L	99
34) Bromochloromethane	3.367	128	37850	25.22	ug/L	94
35) Cyclohexane	3.373	56	103744	25.26	ug/L	95
36) Chloroform	3.404	83	150028	25.23	ug/L	100
37) Ethyl acetate	3.464	43	525617	124.38	ug/L	100
38) Tetrahydrofuran	3.495	42	40633	25.19	ug/L	97
40) Carbon Tetrachloride	3.489	117	74307m	24.41	ug/L	
41) 1,1,1-Trichloroethane	3.525	97	115623	25.76	ug/L	97
42) 2-Butanone	3.568	43	301172	135.39	ug/L	99
43) 1,1-Dichloropropene	3.599	75	99573	25.01	ug/L	99
44) tert-Butyl formate	3.653	59	189469	86.91	ug/L	90

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86794.D
Acq On : 15 Aug 2024 10:29 am
Operator : jeniferw
Sample : IC4046-4 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 15 10:52:58 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45)	Propionitrile	3.745	54	183243	271.54	ug/L	#	78
46)	Methacrylonitrile	3.757	41	587288	255.71	ug/L		99
47)	Benzene	3.739	78	329333	24.34	ug/L		94
48)	TAME	3.897	73	107252	25.82	ug/L		92
49)	Isobutyl alcohol	3.836	43	109170m	485.75	ug/L		
51)	1,2-Dichloroethane	3.849	62	101896	24.96	ug/L		99
52)	Tert Amyl Alcohol	3.897	59	151894	266.09	ug/L		96
53)	Trichloroethene	4.074	95	82344	24.39	ug/L		94
54)	Methylcyclohexane	4.080	83	119401	25.00	ug/L		97
55)	Dibromomethane	4.324	93	52523	24.54	ug/L		95
56)	1,2-Dichloropropane	4.385	63	74747	23.56	ug/L		97
57)	Bromodichloromethane	4.422	83	96435	25.89	ug/L		100
58)	Methyl methacrylate	4.507	41	66429	25.34	ug/L		99
59)	1,4-Dioxane	4.537	88	30027	526.74	ug/L		95
60)	2-Chloroethyl vinyl ether	4.763	63	308476	125.84	ug/L		98
61)	cis-1,3-Dichloropropene	4.812	75	121107	25.39	ug/L		98
64)	Toluene	4.964	91	328724	24.88	ug/L		98
65)	2-Nitropropane	5.104	41	51739	65.94	ug/L		91
66)	4-Methyl-2-pentanone	5.196	43	519304	138.44	ug/L		100
67)	trans-1,3-Dichloropropene	5.226	75	116321	26.47	ug/L		97
68)	Tetrachloroethene	5.220	166	66325	24.71	ug/L		99
69)	Ethyl methacrylate	5.324	69	109838	26.09	ug/L		93
70)	1,1,2-Trichloroethane	5.330	83	65933	25.10	ug/L		95
71)	Dibromochloromethane	5.458	129	59346	25.01	ug/L		100
72)	1,3-Dichloropropane	5.519	76	133524	25.03	ug/L		99
73)	1,2-Dibromoethane	5.623	107	76217	25.49	ug/L		98
74)	3,3-dimethyl-1-butanol	5.732	57	816986	1386.27	ug/L		99
75)	2-hexanone	5.757	43	544593	143.23	ug/L		91
76)	1-Chlorohexane	5.964	91	97039m	23.01	ug/L		
77)	Ethylbenzene	6.001	91	359227	25.32	ug/L		100
78)	Chlorobenzene	5.982	112	198506	24.41	ug/L		98
79)	1,1,1,2-Tetrachloroethane	6.025	131	56803	25.97	ug/L		99
80)	m,p-Xylene	6.104	91	557710	50.28	ug/L		100
81)	o-Xylene	6.415	91	279157	25.11	ug/L		99
82)	Styrene	6.452	104	209429	25.68	ug/L		99
83)	Bromoform	6.470	173	30079	24.20	ug/L		97
84)	Isopropylbenzene	6.647	105	303071	25.07	ug/L		99
87)	cis-1,4-Dichloro-2-butene	6.903	53	27645	29.29	ug/L		87
88)	n-Propylbenzene	6.958	91	372367	26.25	ug/L		99
89)	Bromobenzene	6.939	156	72393	26.51	ug/L		89
90)	1,1,2,2-Tetrachloroethane	7.006	83	122931	27.46	ug/L		98
91)	1,3,5-Trimethylbenzene	7.110	105	250594	26.57	ug/L		99
92)	2-Chlorotoluene	7.080	91	259118	26.36	ug/L		98
93)	trans-1,4-Dichloro-2-B...	7.147	53	24432	30.03	ug/L		89
94)	1,2,3-Trichloropropane	7.116	110	37986	27.67	ug/L		98
95)	Cyclohexanone	7.147	55	25110	152.90	ug/L		97
96)	4-Chlorotoluene	7.208	91	246275	26.53	ug/L		99
97)	tert-Butylbenzene	7.360	91	142573	26.55	ug/L		97
99)	1,2,4-Trimethylbenzene	7.415	105	248635	26.48	ug/L		100
100)	Pentachloroethane	7.378	167	27140	26.43	ug/L	#	48
101)	sec-Butylbenzene	7.494	105	278985	25.72	ug/L		98
102)	4-Isopropyltoluene	7.604	119	224953	25.59	ug/L		97
103)	1,3-Dichlorobenzene	7.659	146	129725	25.18	ug/L		97
104)	1,2,3-Trimethylbenzene	7.744	105	260499	25.32	ug/L		98
105)	1,4-Dichlorobenzene	7.726	146	132177	24.51	ug/L		97
106)	n-Butylbenzene	7.921	92	128905	24.40	ug/L	#	81
107)	Benzyl Chloride	7.909	126	27198	25.05	ug/L	#	78
108)	1,2-Dichlorobenzene	8.037	146	123517	25.08	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86794.D
Acq On : 15 Aug 2024 10:29 am
Operator : jeniferw
Sample : IC4046-4 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 15 10:52:58 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration

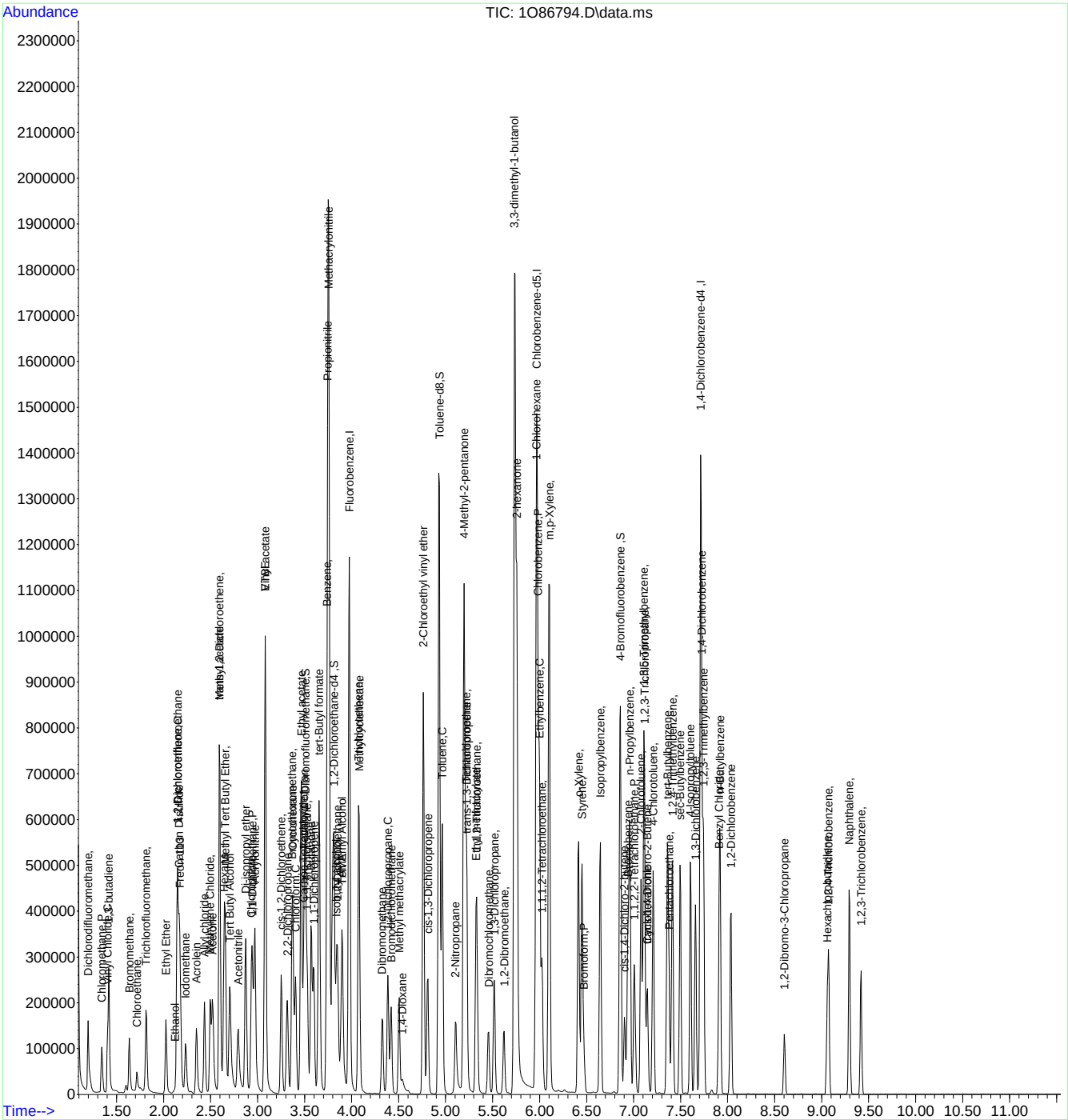
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
109) 1,2-Dibromo-3-Chloropr...	8.604	75	27110	27.30	ug/L	94
110) Hexachlorobutadiene	9.061	225	20299	22.45	ug/L	96
111) 1,2,4-Trichlorobenzene	9.073	180	58278	22.13	ug/L	98
112) Naphthalene	9.293	128	256420	24.27	ug/L	100
113) 1,2,3-Trichlorobenzene	9.421	180	54486	21.82	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86794.D
Acq On : 15 Aug 2024 10:29 am
Operator : jeniferw
Sample : IC4046-4 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 15 10:52:58 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration



Manual Integration Approval Summary

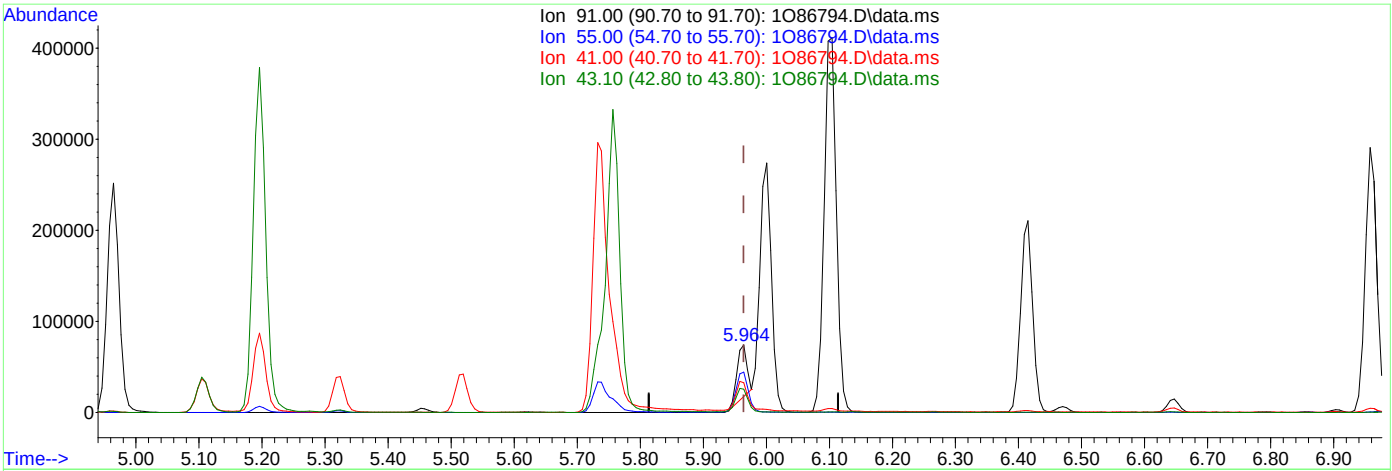
Sample Number: V1O4046-IC4046
Lab FileID: 1O86794.D
Injection Time: 08/15/24 10:29
Method: SW846 8260D
Analyst approved: 08/15/24 13:51 Jenifer Willis
Supervisor approved: 08/15/24 14:28 Karen Watson

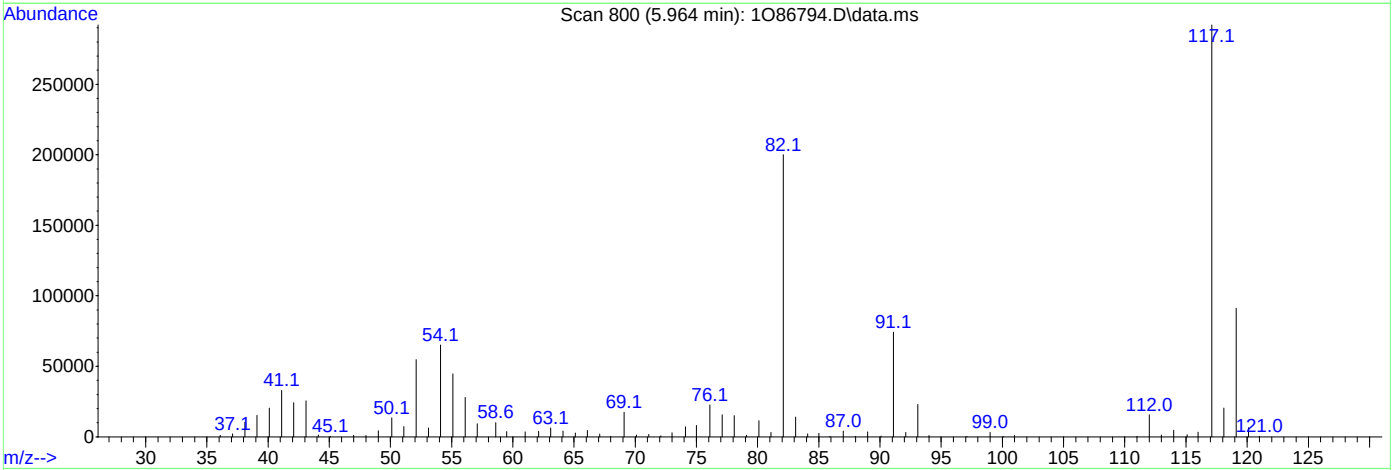
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.49	Overlapping peak
Isobutyl Alcohol	78-83-1		3.84	Poorly defined baseline
1-Chlorohexane	544-10-5		5.96	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86794.D
Acq On : 15 Aug 2024 10:29 am
Operator : jeniferw
Sample : IC4046-4 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 15 10:52:24 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration





TIC: 1O86794.D\data.ms

(76) 1-Chlorohexane

5.964min (0.000) 15.87ug/L

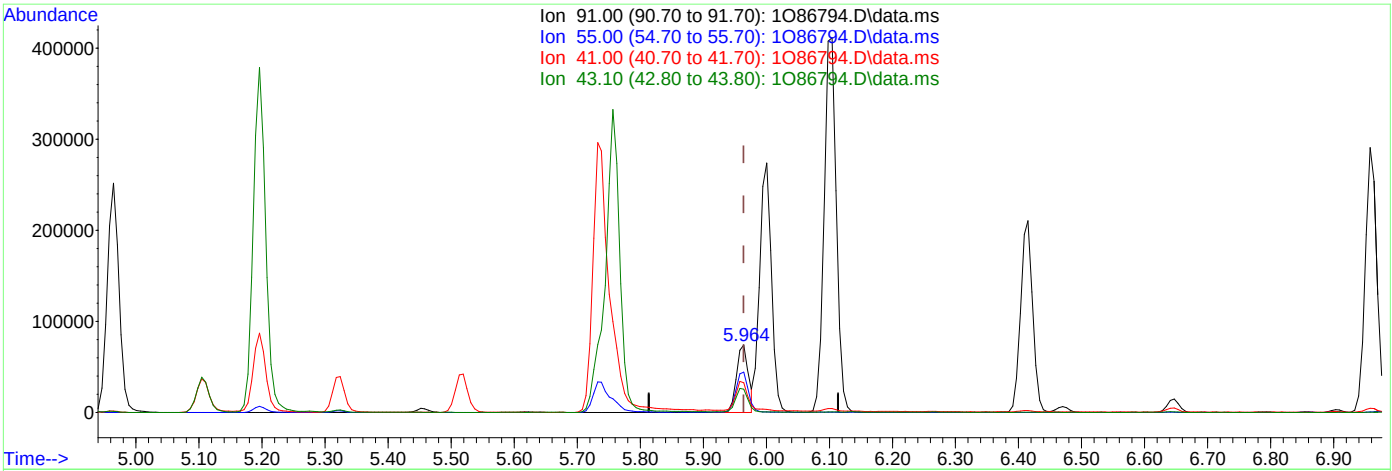
response 66929

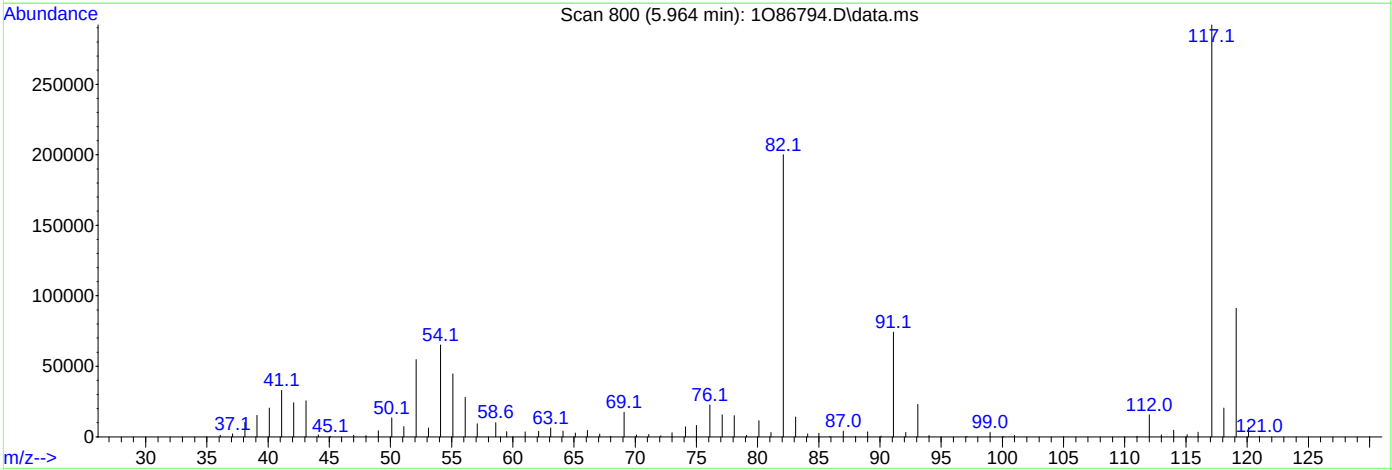
Ion	Exp%	Act%
91.00	100	100
55.00	60.10	58.91
41.00	42.20	40.69
43.10	35.10	32.78

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86794.D
Acq On : 15 Aug 2024 10:29 am
Operator : jeniferw
Sample : IC4046-4 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 15 10:52:24 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration





TIC: 1O86794.D\data.ms

(76) 1-Chlorohexane

5.964min (0.000) 23.01ug/L m

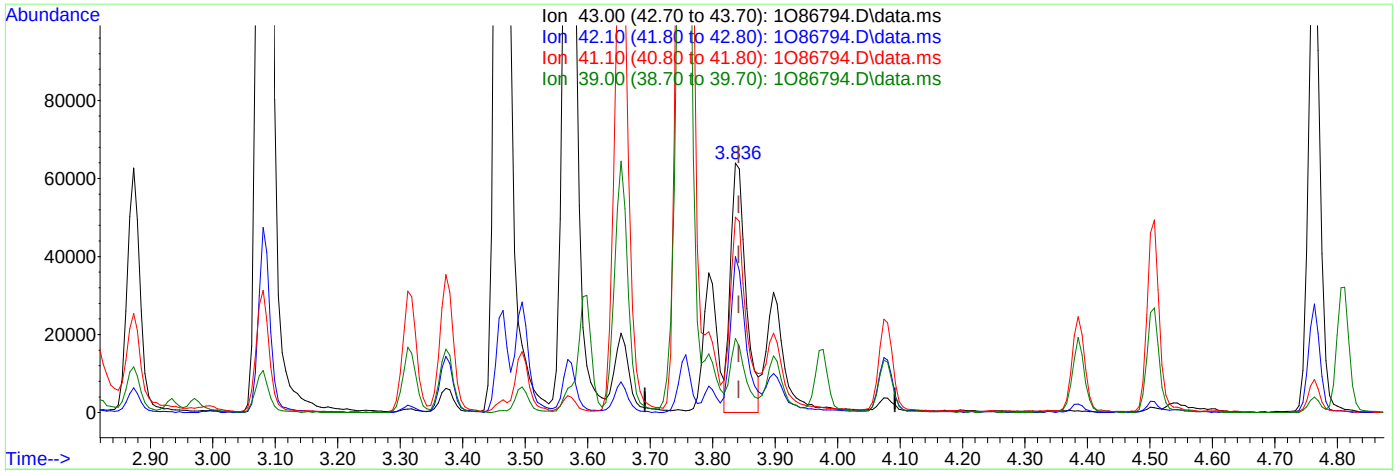
response 97039

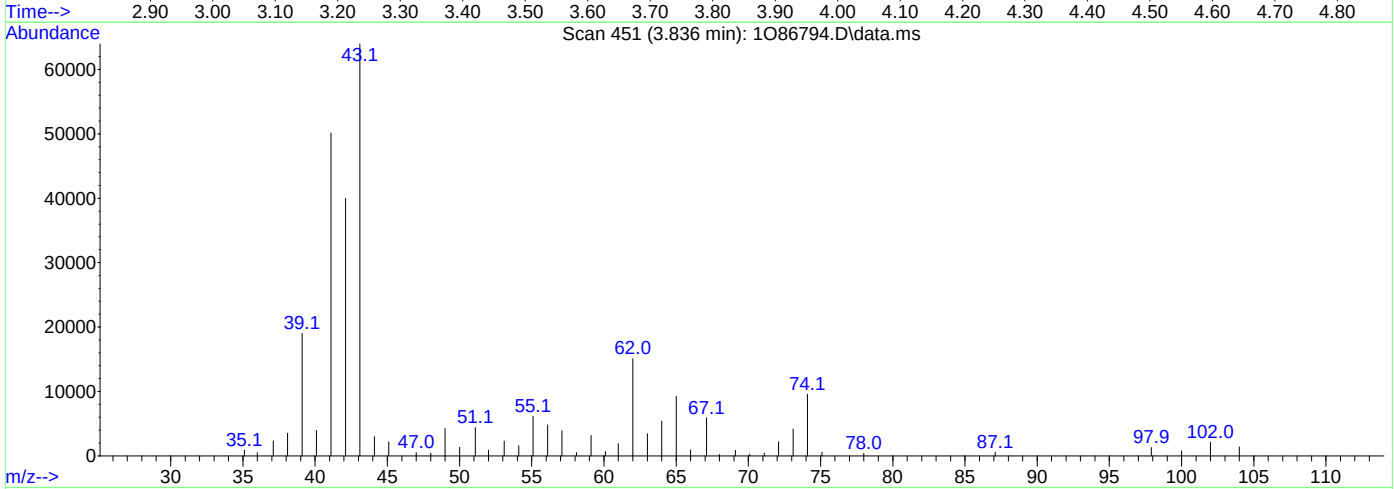
Ion	Exp%	Act%
91.00	100	100
55.00	60.10	60.06
41.00	42.20	44.26
43.10	35.10	34.56

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86794.D
Acq On : 15 Aug 2024 10:29 am
Operator : jeniferw
Sample : IC4046-4 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 15 10:52:24 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration





TIC: 1O86794.D\data.ms

(49) Isobutyl alcohol

3.836min (-0.006) 485.75ug/L m

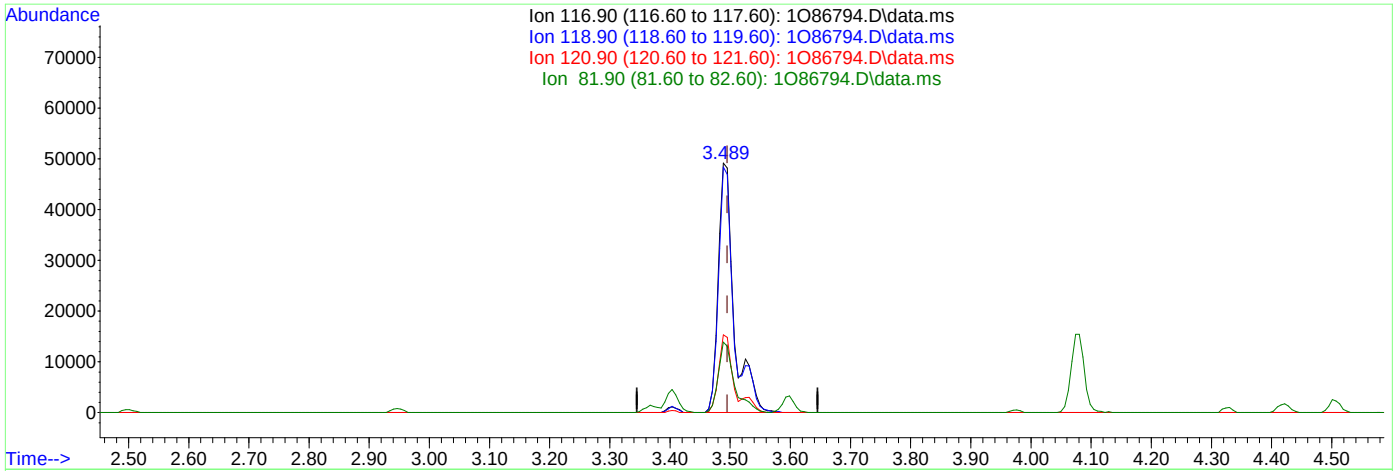
response 109170

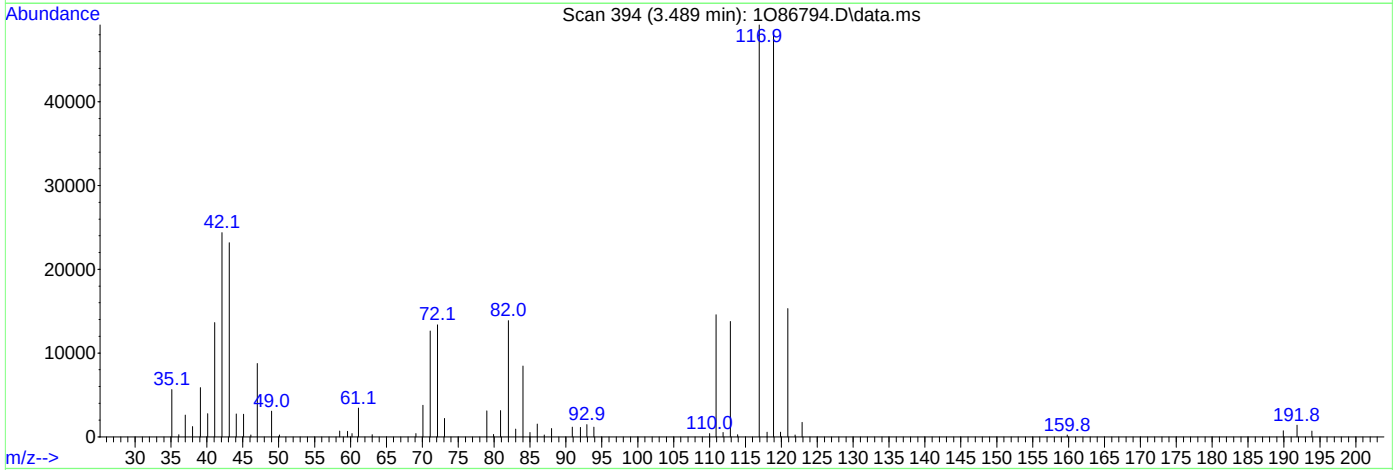
Ion	Exp%	Act%
43.00	100	100
42.10	59.20	62.48
41.10	74.00	78.32
39.00	25.80	29.69

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86794.D
Acq On : 15 Aug 2024 10:29 am
Operator : jeniferw
Sample : IC4046-4 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 15 10:52:24 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration





TIC: 1O86794.D\data.ms

(40) Carbon Tetrachloride ( )

3.489min (-0.006) 29.24ug/L

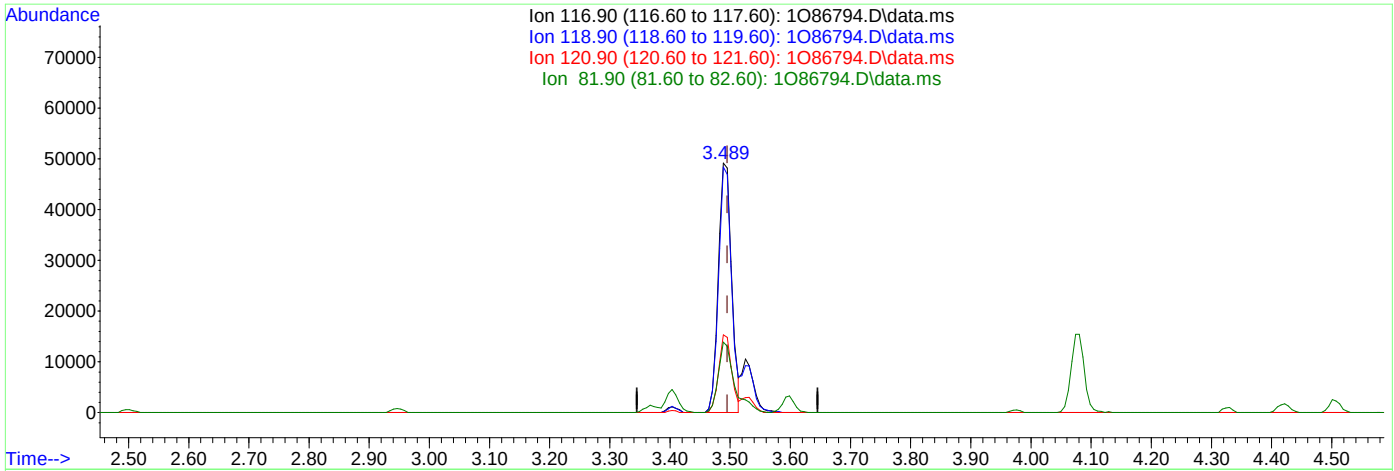
response 89008

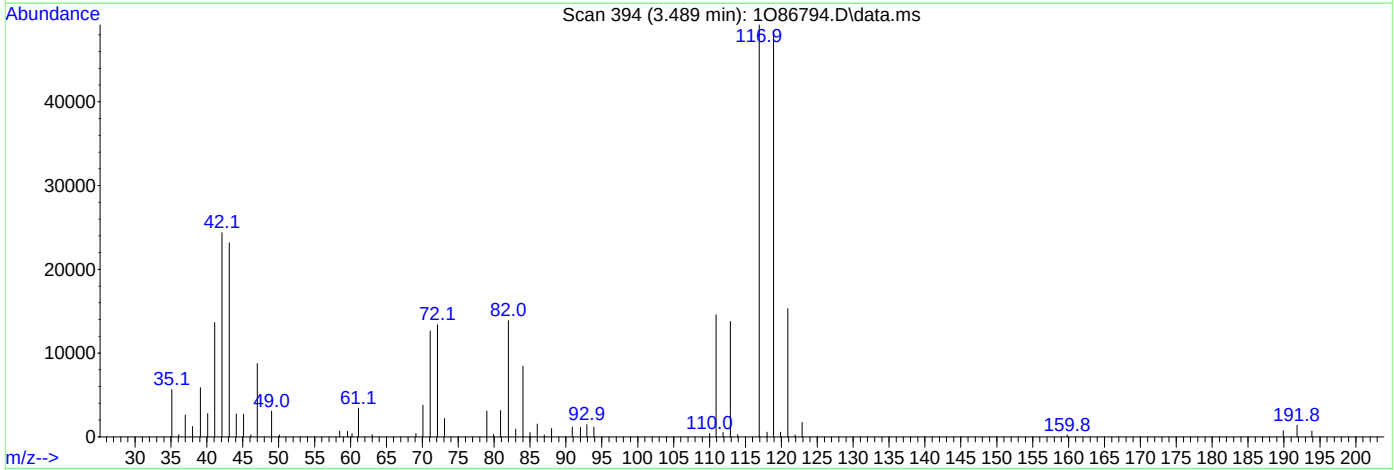
Ion	Exp%	Act%
116.90	100	100
118.90	96.40	98.42
120.90	31.60	31.14
81.90	27.50	28.22

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86794.D
Acq On : 15 Aug 2024 10:29 am
Operator : jeniferw
Sample : IC4046-4 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 15 10:52:24 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration





TIC: 1O86794.D\data.ms

(40) Carbon Tetrachloride ( )

3.489min (-0.006) 24.41ug/L m

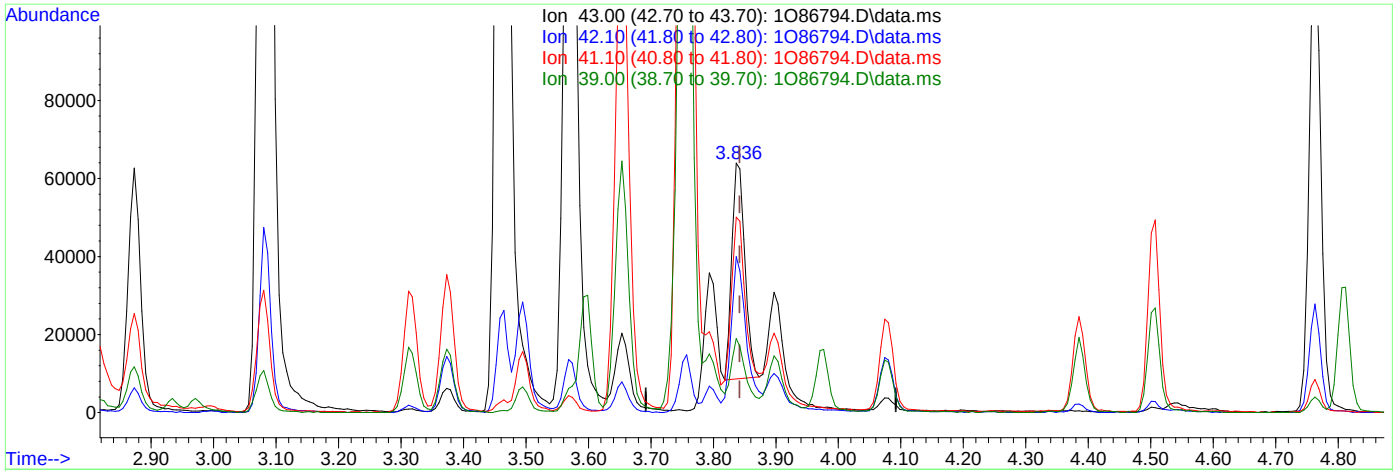
response 74307

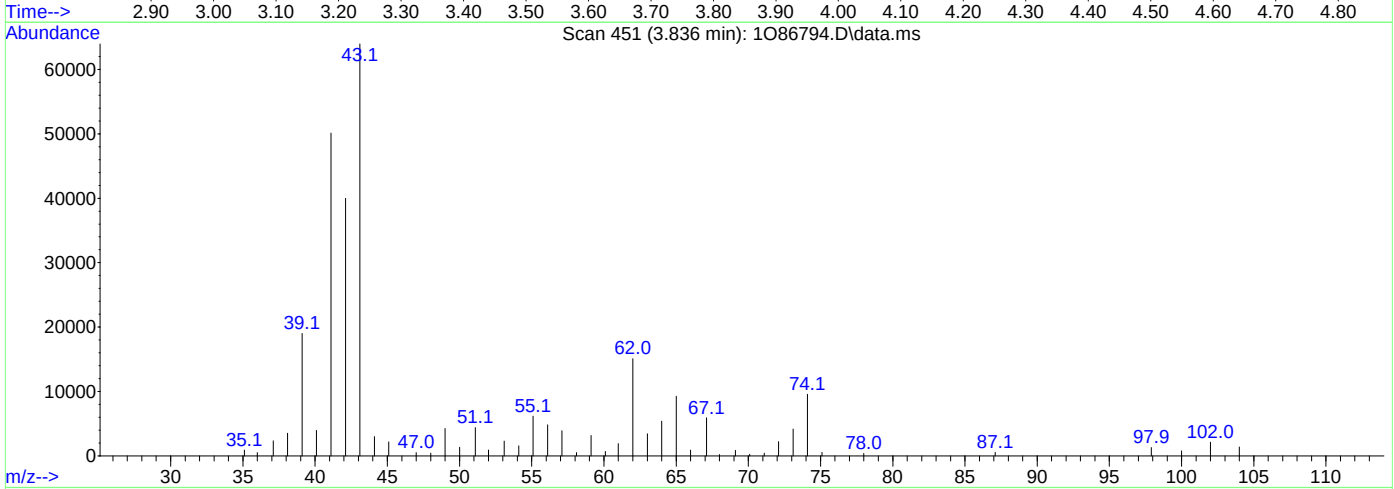
Ion	Exp%	Act%
116.90	100	100
118.90	96.40	98.42
120.90	31.60	31.14
81.90	27.50	28.22

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86794.D
Acq On : 15 Aug 2024 10:29 am
Operator : jeniferw
Sample : IC4046-4 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 15 10:52:24 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration





TIC: 1O86794.D\data.ms

(49) Isobutyl alcohol

3.836min (-0.006) 357.20ug/L

response 80280

Ion	Exp%	Act%
43.00	100	100
42.10	59.20	64.95
41.10	74.00	75.31
39.00	25.80	27.65

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
08/15/24 14:28

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86795.D
Acq On : 15 Aug 2024 10:54 am
Operator : jeniferw
Sample : ICC4046-5 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 15 11:33:27 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.976	96	767220	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.970	117	488754	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.714	152	232691	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.507	113	191174	51.22	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	102.44%		
50) 1,2-Dichloroethane-d4	3.812	65	238720	53.23	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery =	106.46%		
63) Toluene-d8	4.934	98	747363	51.05	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery =	102.10%		
86) 4-Bromofluorobenzene	6.860	174	171588	51.54	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	103.08%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.203	85	171510	59.74	ug/L	98
3) Chloromethane	1.349	50	111105	46.44	ug/L	97
4) 1,3-butadiene	1.422	39	97144	38.72	ug/L	96
5) Vinyl Chloride	1.410	62	136328	45.96	ug/L	99
6) Bromomethane	1.642	94	77284	65.14	ug/L	99
7) Chloroethane	1.721	64	40872	53.72	ug/L	99
8) Trichlorofluoromethane	1.818	101	164004	45.51	ug/L	100
9) Ethyl Ether	2.032	59	91744	37.97	ug/L	99
10) Ethanol	2.129	45	34112	778.37	ug/L	95
11) 1,2-Dichlorotrifluoroe...	2.154	67	140175	37.90	ug/L	95
12) 1,1-Dichloroethene	2.148	61	155276	39.25	ug/L	98
13) Freon 113	2.178	101	107888	39.83	ug/L	100
14) Carbon Disulfide	2.166	76	349770	37.60	ug/L	98
15) Iodomethane	2.239	142	135415	85.94	ug/L	99
16) Acrolein	2.355	56	153252	260.09	ug/L	99
17) Allyl chloride	2.440	41	125802	40.81	ug/L	98
18) Methylene Chloride	2.501	49	114617	37.72	ug/L	97
19) Acetone	2.526	43	270435	216.16	ug/L	98
20) Methyl acetate	2.599	43	624948	199.12	ug/L	100
21) trans-1,2-Dichloroethene	2.599	61	155897	38.78	ug/L	99
22) Hexane	2.647	56	73987	37.41	ug/L	96
23) Methyl Tert Butyl Ether	2.660	73	377546	38.53	ug/L	98
24) Tert Butyl Alcohol	2.708	59	347136	486.88	ug/L	97
25) Acetonitrile	2.794	41	175350	382.08	ug/L	99
26) Di-isopropyl ether	2.873	45	295401	39.07	ug/L	98
27) Chloroprene	2.940	53	128068	38.89	ug/L	98
28) 1,1-Dichloroethane	2.952	63	203899	38.12	ug/L	98
29) Acrylonitrile	2.971	52	264198	201.06	ug/L	99
30) ETBE	3.080	59	330079	38.31	ug/L	99
31) Vinyl acetate	3.086	43	1090691	188.25	ug/L	99
32) cis-1,2-Dichloroethene	3.257	96	123411	37.67	ug/L	100
33) 2,2-Dichloropropane	3.318	77	168485	39.25	ug/L	99
34) Bromochloromethane	3.367	128	58442	39.23	ug/L	96
35) Cyclohexane	3.379	56	161767	39.69	ug/L	99
36) Chloroform	3.403	83	232127	39.33	ug/L	99
37) Ethyl acetate	3.464	43	828525	197.55	ug/L	99
38) Tetrahydrofuran	3.495	42	59343	37.08	ug/L	98
40) Carbon Tetrachloride	3.495	117	121746m	40.30	ug/L	
41) 1,1,1-Trichloroethane	3.531	97	179288	40.26	ug/L	98
42) 2-Butanone	3.574	43	475213	215.27	ug/L	100
43) 1,1-Dichloropropene	3.599	75	154038	38.98	ug/L	98
44) tert-Butyl formate	3.653	59	326973	151.13	ug/L	93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86795.D
Acq On : 15 Aug 2024 10:54 am
Operator : jeniferw
Sample : ICC4046-5 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 15 11:33:27 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Propionitrile	3.745	54	283370	423.12	ug/L		89
46) Methacrylonitrile	3.757	41	906407	397.67	ug/L		99
47) Benzene	3.739	78	503779	37.52	ug/L		91
48) TAME	3.903	73	177525	43.06	ug/L		90
49) Isobutyl alcohol	3.842	43	179830m	806.26	ug/L		
51) 1,2-Dichloroethane	3.855	62	157756	38.93	ug/L		99
52) Tert Amyl Alcohol	3.903	59	249347	440.14	ug/L		95
53) Trichloroethene	4.080	95	127712	38.11	ug/L		98
54) Methylcyclohexane	4.080	83	187062	39.47	ug/L		99
55) Dibromomethane	4.330	93	81204	38.23	ug/L		97
56) 1,2-Dichloropropane	4.385	63	117771	37.40	ug/L		98
57) Bromodichloromethane	4.422	83	153879	41.63	ug/L		99
58) Methyl methacrylate	4.507	41	103937	39.95	ug/L		95
59) 1,4-Dioxane	4.537	88	49409	873.36	ug/L		99
60) 2-Chloroethyl vinyl ether	4.763	63	494478	203.26	ug/L		97
61) cis-1,3-Dichloropropene	4.812	75	194361	41.06	ug/L		98
64) Toluene	4.964	91	503540	38.50	ug/L		99
65) 2-Nitropropane	5.104	41	94993	116.91	ug/L		96
66) 4-Methyl-2-pentanone	5.196	43	812665	218.90	ug/L		99
67) trans-1,3-Dichloropropene	5.226	75	188407	43.32	ug/L		98
68) Tetrachloroethene	5.220	166	100741	37.93	ug/L		98
69) Ethyl methacrylate	5.324	69	175336	42.08	ug/L		96
70) 1,1,2-Trichloroethane	5.336	83	102536	39.44	ug/L		97
71) Dibromochloromethane	5.458	129	96964	39.56	ug/L		99
72) 1,3-Dichloropropane	5.519	76	206515	39.12	ug/L		99
73) 1,2-Dibromoethane	5.622	107	117586	39.74	ug/L		98
74) 3,3-dimethyl-1-butanol	5.738	57	1383985	2372.85	ug/L		97
75) 2-hexanone	5.757	43	859687	228.45	ug/L		89
76) 1-Chlorohexane	5.964	91	147951m	35.44	ug/L		
77) Ethylbenzene	6.000	91	554468	39.48	ug/L		98
78) Chlorobenzene	5.982	112	302788	37.61	ug/L		98
79) 1,1,1,2-Tetrachloroethane	6.025	131	89396	41.29	ug/L		99
80) m,p-Xylene	6.104	91	864077	78.71	ug/L		100
81) o-Xylene	6.415	91	434738	39.51	ug/L		99
82) Styrene	6.452	104	327407	40.57	ug/L		99
83) Bromoform	6.470	173	52058	39.19	ug/L		97
84) Isopropylbenzene	6.647	105	469669	39.26	ug/L		99
87) cis-1,4-Dichloro-2-butene	6.903	53	44205	46.09	ug/L		96
88) n-Propylbenzene	6.958	91	579122	40.17	ug/L		99
89) Bromobenzene	6.939	156	111031	40.01	ug/L		90
90) 1,1,2,2-Tetrachloroethane	7.006	83	192296	42.28	ug/L		99
91) 1,3,5-Trimethylbenzene	7.110	105	388192	40.50	ug/L		99
92) 2-Chlorotoluene	7.080	91	402736	40.32	ug/L		99
93) trans-1,4-Dichloro-2-B...	7.147	53	38653	46.75	ug/L		98
94) 1,2,3-Trichloropropane	7.116	110	58946	42.26	ug/L		96
95) Cyclohexanone	7.147	55	40111	240.35	ug/L		99
96) 4-Chlorotoluene	7.208	91	382392	40.53	ug/L		99
97) tert-Butylbenzene	7.360	91	224417	41.12	ug/L		98
99) 1,2,4-Trimethylbenzene	7.415	105	386002	40.45	ug/L		99
100) Pentachloroethane	7.378	167	45480	41.12	ug/L	#	77
101) sec-Butylbenzene	7.494	105	436612	39.60	ug/L		99
102) 4-Isopropyltoluene	7.604	119	358180	40.09	ug/L		98
103) 1,3-Dichlorobenzene	7.659	146	200254	38.25	ug/L		96
104) 1,2,3-Trimethylbenzene	7.744	105	407855	39.01	ug/L		99
105) 1,4-Dichlorobenzene	7.726	146	203087	37.06	ug/L		96
106) n-Butylbenzene	7.921	92	206252	38.42	ug/L	#	81
107) Benzyl Chloride	7.909	126	46228	38.85	ug/L	#	77
108) 1,2-Dichlorobenzene	8.037	146	188991	37.76	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86795.D
Acq On : 15 Aug 2024 10:54 am
Operator : jeniferw
Sample : ICC4046-5 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 15 11:33:27 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration

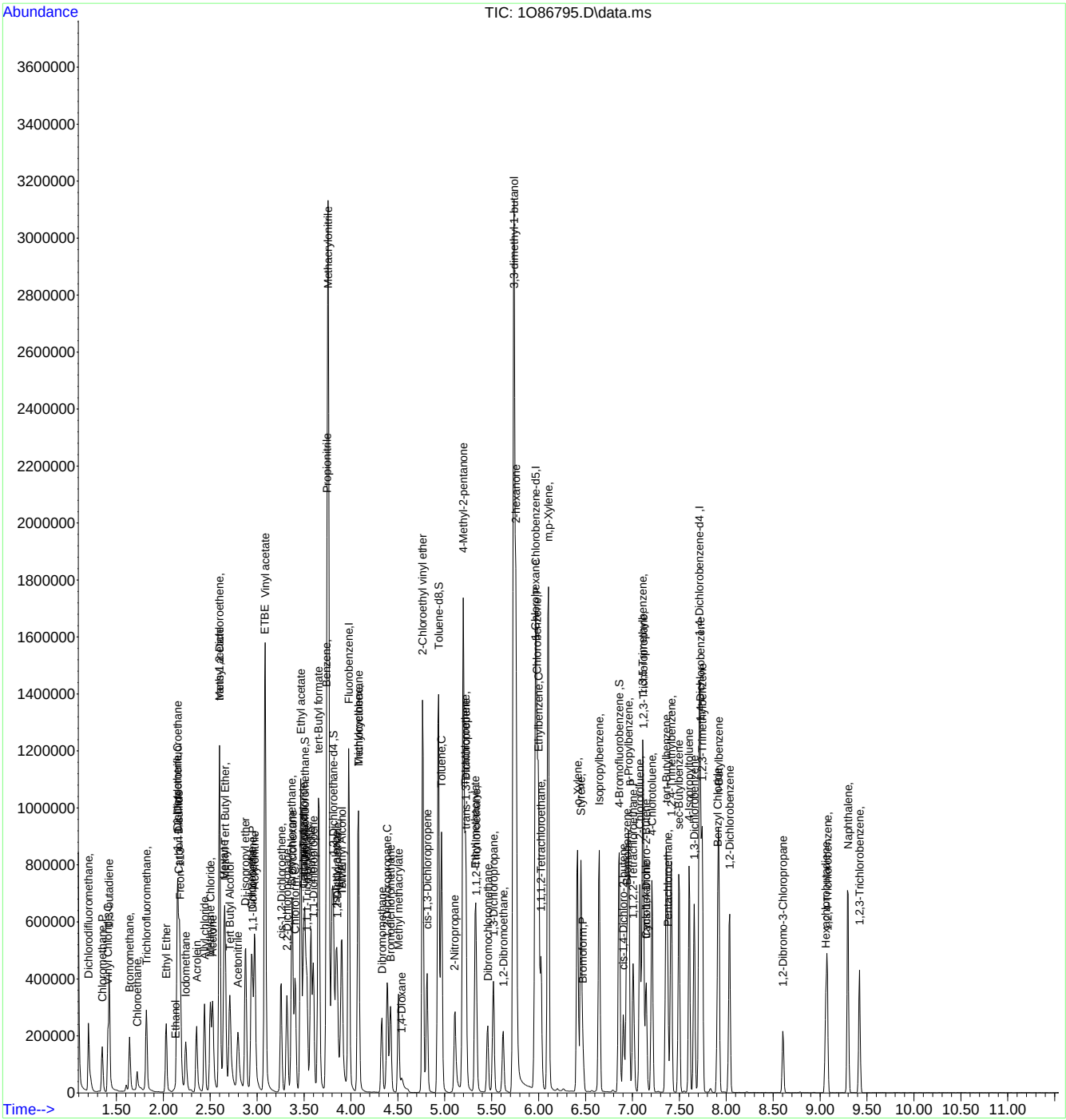
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
109) 1,2-Dibromo-3-Chloropr...	8.604	75	45382	42.67	ug/L	95
110) Hexachlorobutadiene	9.061	225	31660	34.46	ug/L	94
111) 1,2,4-Trichlorobenzene	9.079	180	91238	34.09	ug/L	97
112) Naphthalene	9.299	128	412838	38.46	ug/L	100
113) 1,2,3-Trichlorobenzene	9.421	180	82206	32.39	ug/L	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86795.D
Acq On : 15 Aug 2024 10:54 am
Operator : jeniferw
Sample : ICC4046-5 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 15 11:33:27 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration



Manual Integration Approval Summary

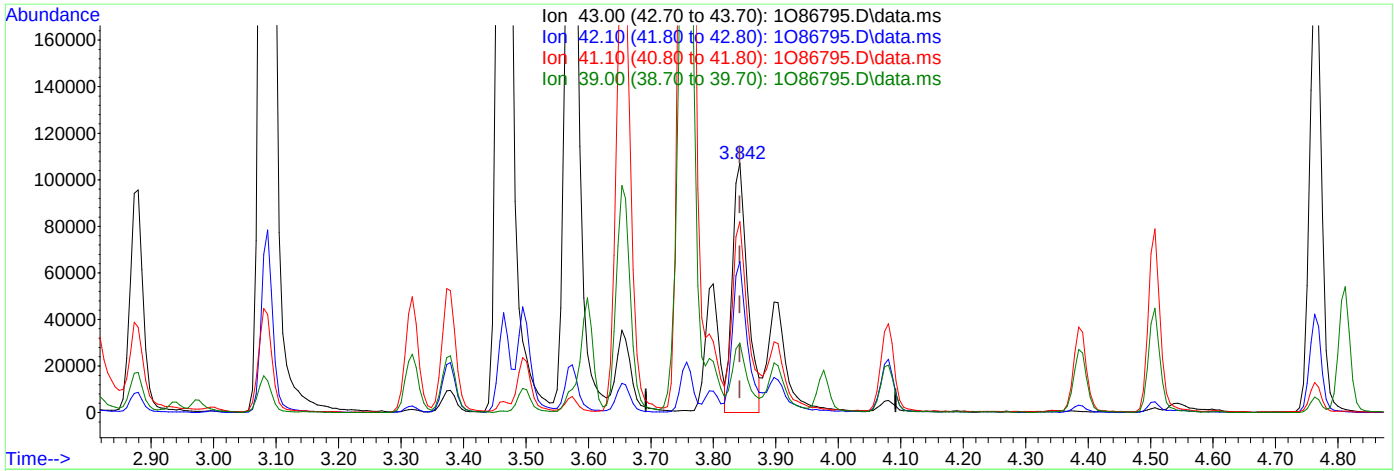
Sample Number: V1O4046-ICC4046 **Method:** SW846 8260D
Lab FileID: 1O86795.D **Analyst approved:** 08/15/24 13:51 Jenifer Willis
Injection Time: 08/15/24 10:54 **Supervisor approved:** 08/15/24 14:28 Karen Watson

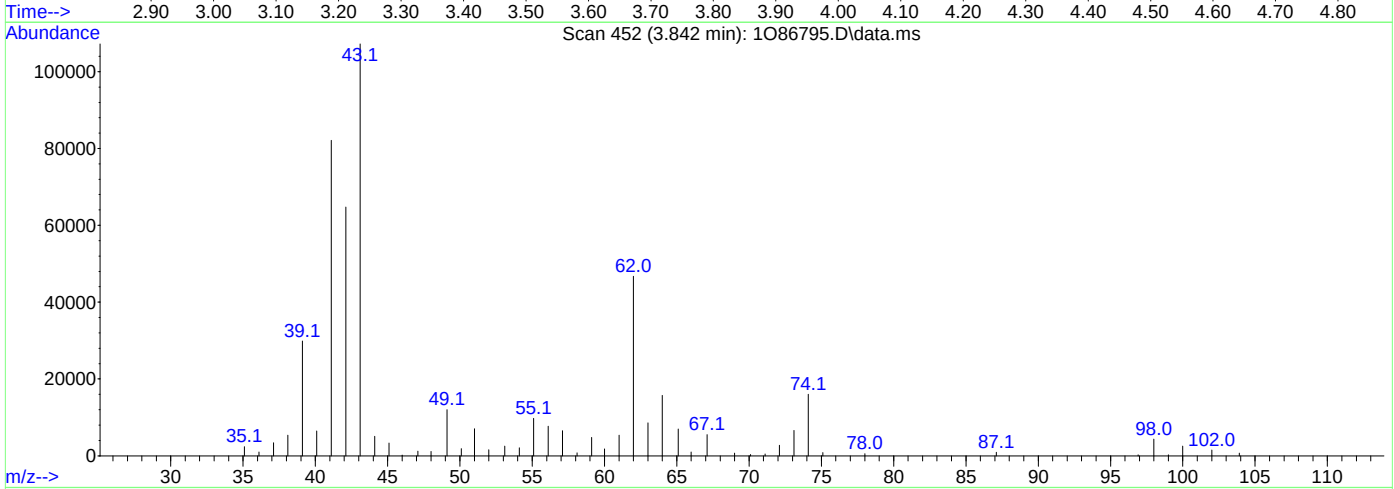
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.49	Overlapping peak
Isobutyl Alcohol	78-83-1		3.84	Poorly defined baseline
1-Chlorohexane	544-10-5		5.96	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86795.D
Acq On : 15 Aug 2024 10:54 am
Operator : jeniferw
Sample : ICC4046-5 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 15 11:32:56 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration





TIC: 1O86795.D\data.ms

(49) Isobutyl alcohol

3.842min (+0.000) 806.26ug/L m

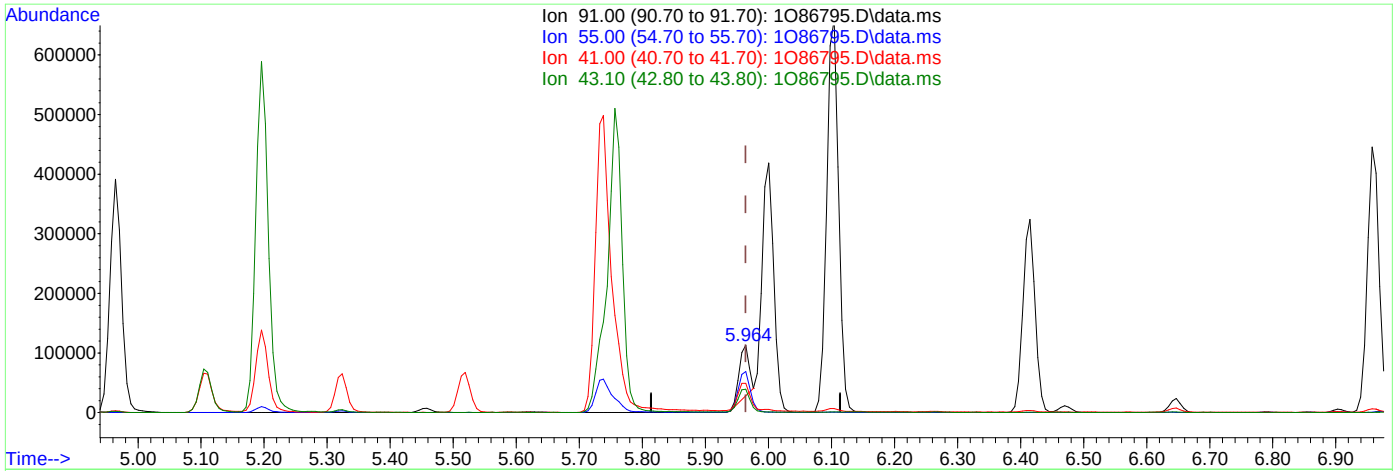
response 179830

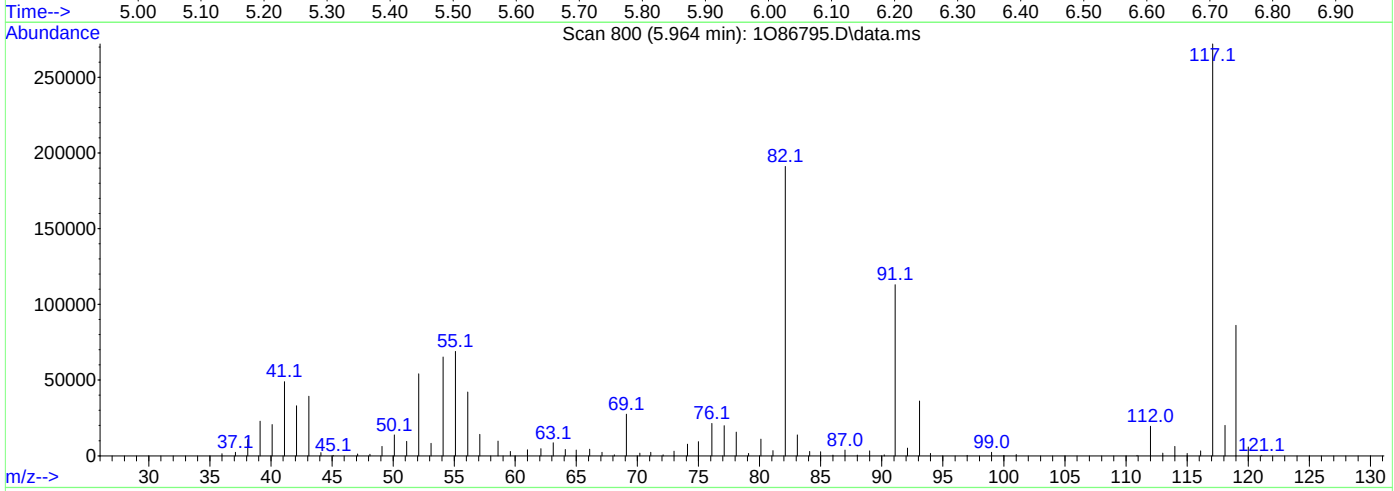
Ion	Exp%	Act%
43.00	100	100
42.10	59.20	60.41
41.10	74.00	76.53
39.00	25.80	27.89

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86795.D
Acq On : 15 Aug 2024 10:54 am
Operator : jeniferw
Sample : ICC4046-5 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 15 11:32:56 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration





TIC: 1O86795.D\data.ms

(76) 1-Chlorohexane

5.964min (-0.000) 23.96ug/L

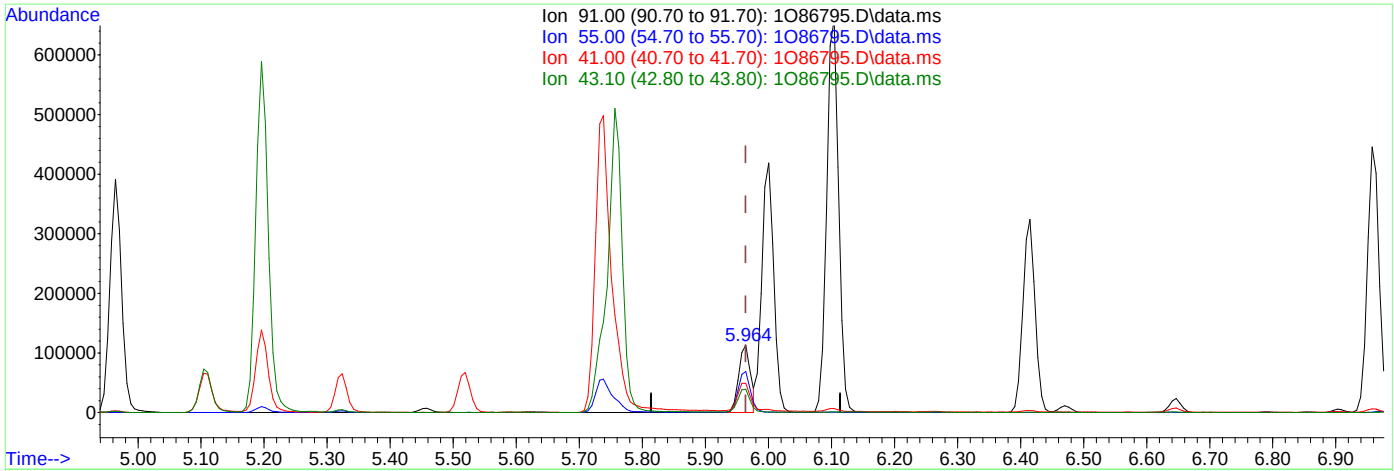
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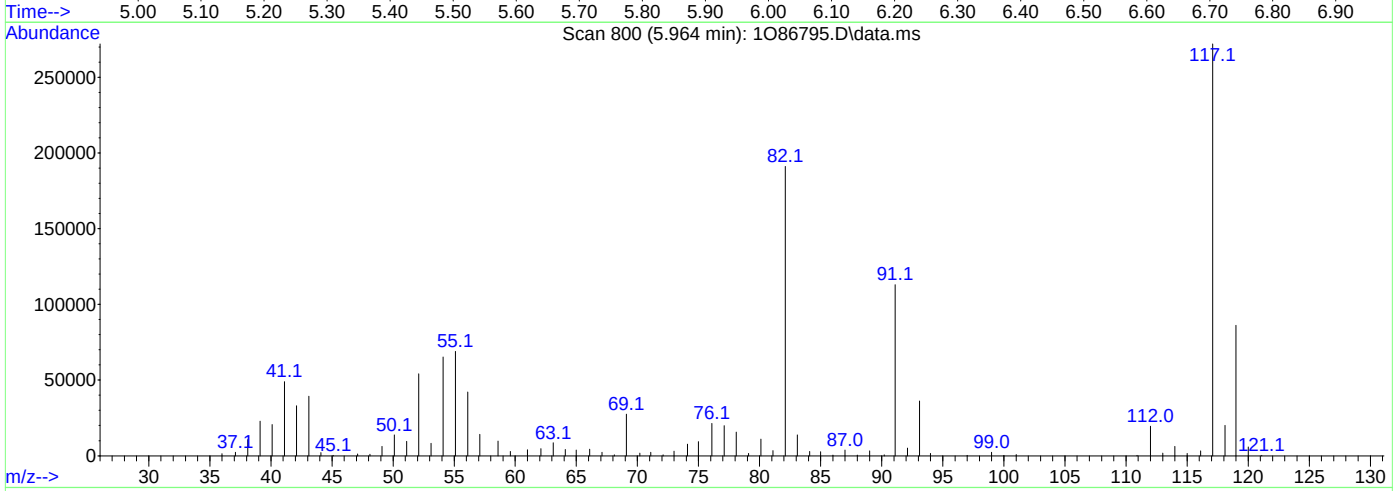
Ion	Exp%	Act%
91.00	100	100
55.00	60.10	60.29
41.00	42.20	40.26
43.10	35.10	33.58

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86795.D
Acq On : 15 Aug 2024 10:54 am
Operator : jeniferw
Sample : ICC4046-5 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 15 11:32:56 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration





TIC: 1O86795.D\data.ms

(76) 1-Chlorohexane

5.964min (-0.000) 35.44ug/L m

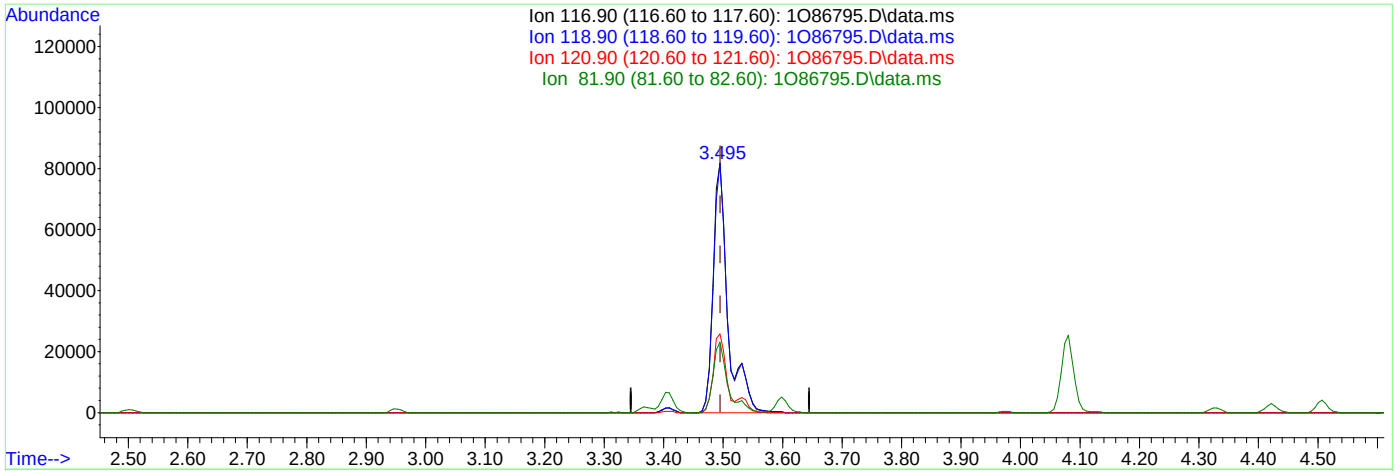
response 147951

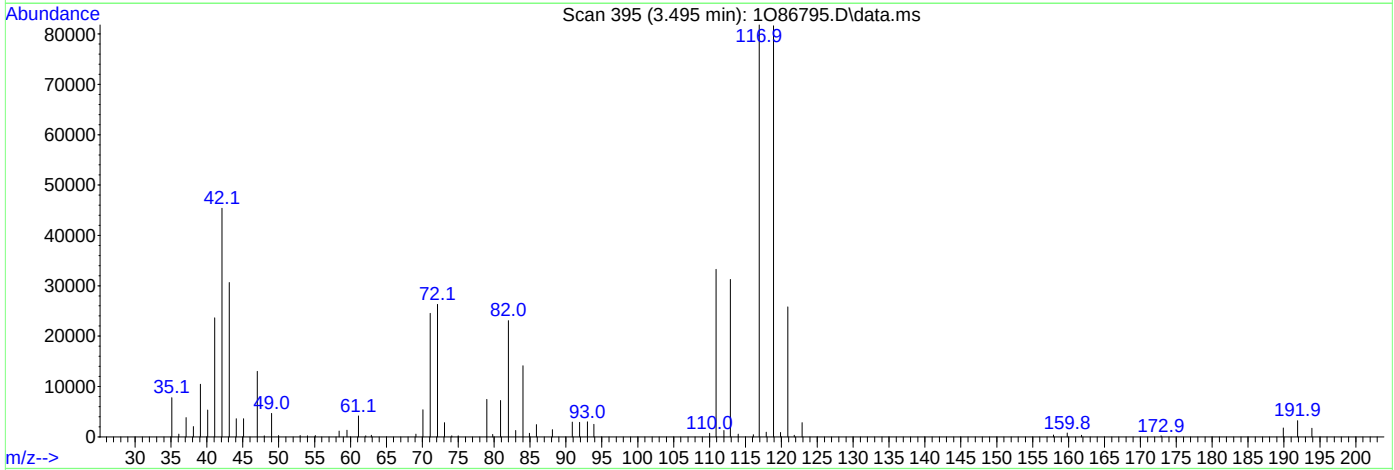
Ion	Exp%	Act%
91.00	100	100
55.00	60.10	61.02
41.00	42.20	43.38
43.10	35.10	34.88

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86795.D
Acq On : 15 Aug 2024 10:54 am
Operator : jeniferw
Sample : ICC4046-5 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 15 11:32:56 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration





TIC: 1O86795.D\data.ms

(40) Carbon Tetrachloride ( )

3.495min (-0.000) 47.13ug/L

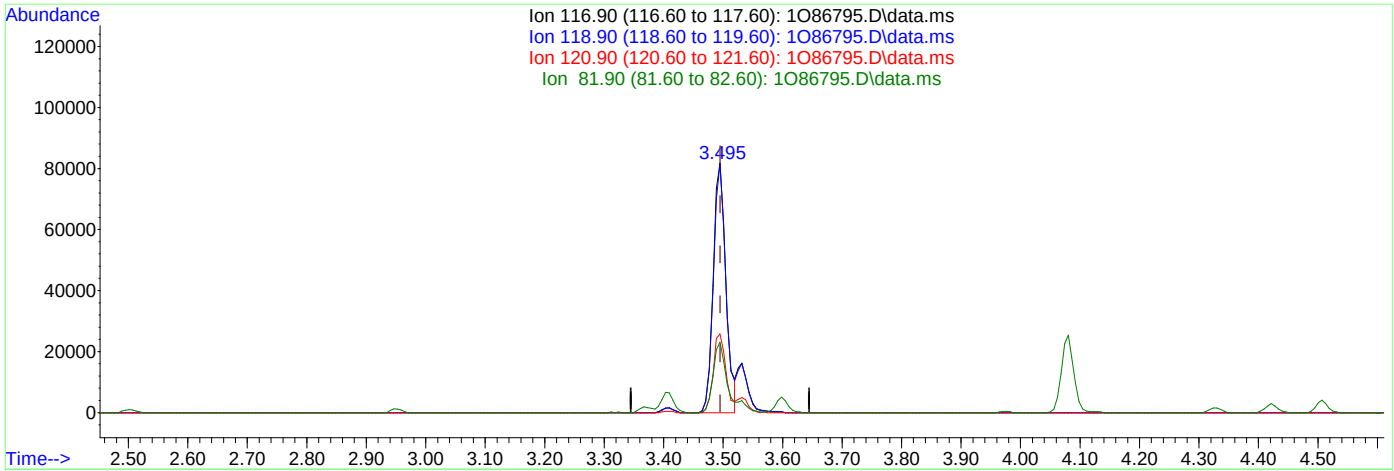
response 142406

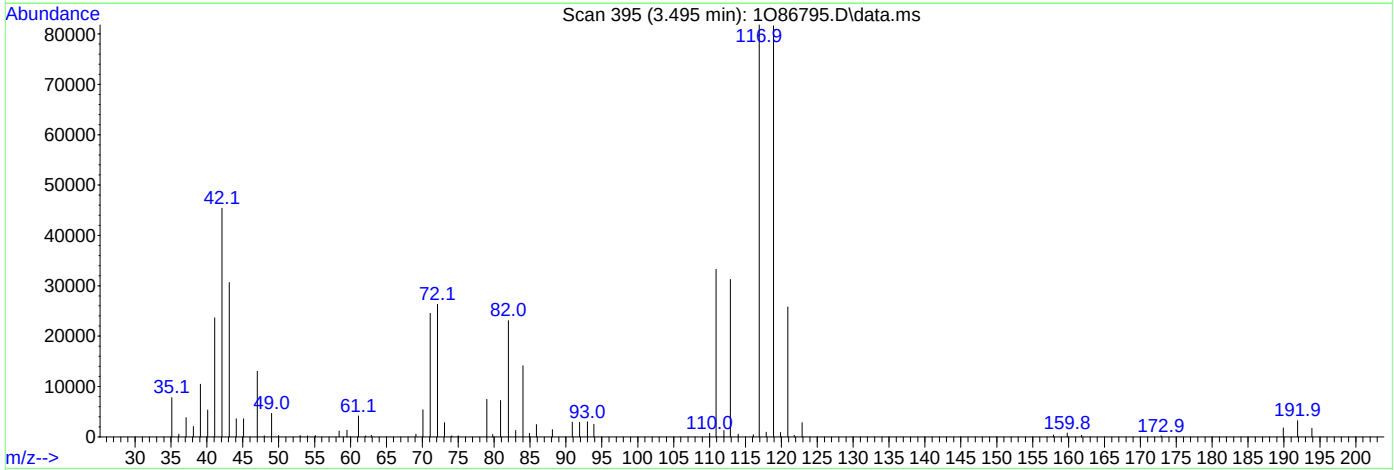
Ion	Exp%	Act%
116.90	100	100
118.90	96.40	99.74
120.90	31.60	31.53
81.90	27.50	28.19

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86795.D
Acq On : 15 Aug 2024 10:54 am
Operator : jeniferw
Sample : ICC4046-5 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 15 11:32:56 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration





TIC: 1O86795.D\data.ms

(40) Carbon Tetrachloride ( )

3.495min (-0.000) 40.30ug/L m

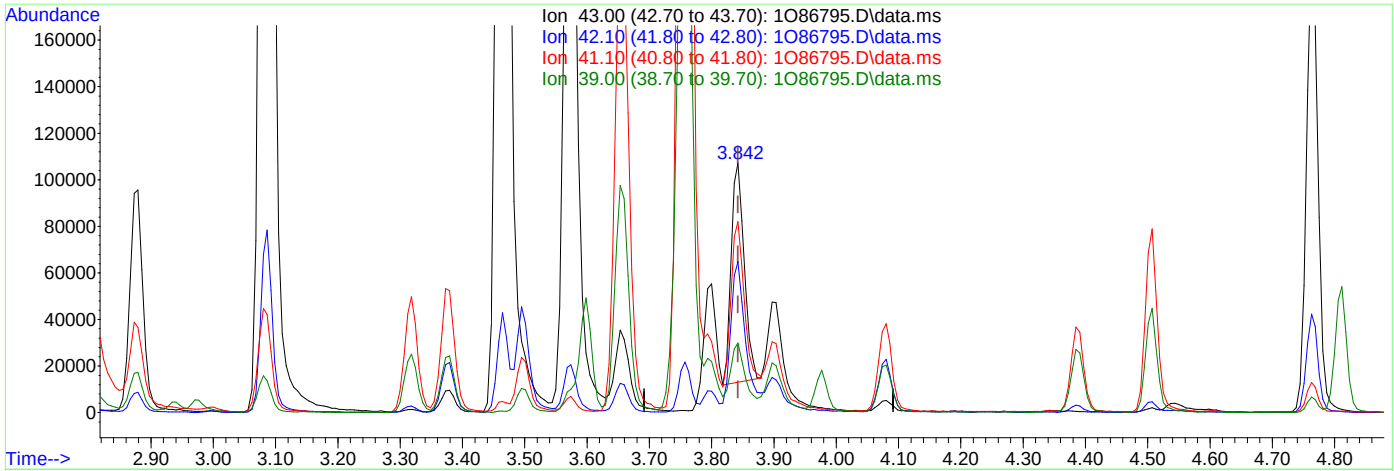
response 121746

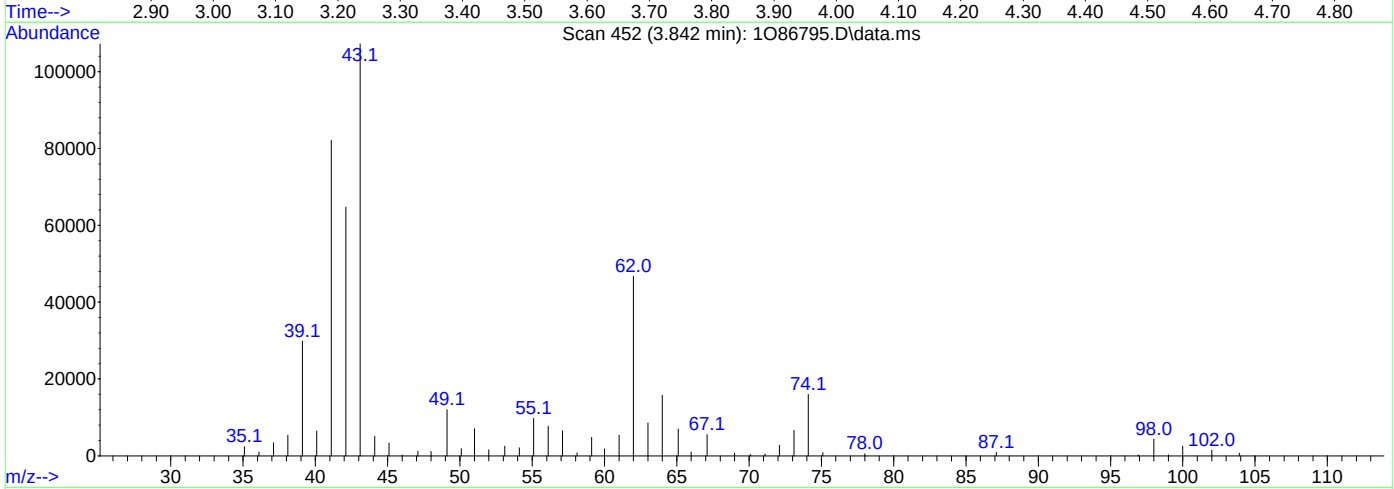
Ion	Exp%	Act%
116.90	100	100
118.90	96.40	99.74
120.90	31.60	31.53
81.90	27.50	28.19

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86795.D
Acq On : 15 Aug 2024 10:54 am
Operator : jeniferw
Sample : ICC4046-5 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 15 11:32:56 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration





TIC: 1O86795.D\data.ms

(49) Isobutyl alcohol

3.842min (+0.000) 611.84ug/L

response 136467

Ion	Exp%	Act%
43.00	100	100
42.10	59.20	63.67
41.10	74.00	74.57
39.00	25.80	24.25

1O86796.D

Manual Integrations APPROVED (compounds with "m" flag)

Karen Watson 08/15/24 14:28

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86796.D
Acq On : 15 Aug 2024 11:19 am
Operator : jeniferw
Sample : IC4046-6 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 15 11:34:06 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.977	96	756838	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.970	117	483700	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.714	152	226266	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.507	113	188687	51.25	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	102.50%		
50) 1,2-Dichloroethane-d4	3.812	65	242793	54.88	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery =	109.76%		
63) Toluene-d8	4.934	98	735063	50.74	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery =	101.48%		
86) 4-Bromofluorobenzene	6.860	174	170174	52.57	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	105.14%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.197	85	307059	108.42	ug/L	97
3) Chloromethane	1.343	50	192828	81.71	ug/L	100
4) 1,3-butadiene	1.416	39	160802	64.97	ug/L	96
5) Vinyl Chloride	1.404	62	236649	80.87	ug/L	99
6) Bromomethane	1.636	94	136340	116.49	ug/L	98
7) Chloroethane	1.715	64	59474	79.24	ug/L	100
8) Trichlorofluoromethane	1.812	101	273197	76.86	ug/L	100
9) Ethyl Ether	2.026	59	158076	66.32	ug/L	99
10) Ethanol	2.135	45	53073	1227.63	ug/L	95
11) 1,2-Dichlorotrifluoroe...	2.148	67	238524	65.38	ug/L	96
12) 1,1-Dichloroethene	2.148	61	266911	68.39	ug/L	96
13) Freon 113	2.172	101	188627	70.60	ug/L	98
14) Carbon Disulfide	2.160	76	613366	66.84	ug/L	99
15) Iodomethane	2.233	142	239144	123.42	ug/L	99
16) Acrolein	2.349	56	262382	451.41	ug/L	98
17) Allyl chloride	2.434	41	209933	69.04	ug/L	97
18) Methylene Chloride	2.495	49	193477	64.55	ug/L	97
19) Acetone	2.526	43	431495	349.63	ug/L	98
20) Methyl acetate	2.599	43	1049012	338.82	ug/L	98
21) trans-1,2-Dichloroethene	2.593	61	267399	67.43	ug/L	98
22) Hexane	2.641	56	131344	67.32	ug/L	93
23) Methyl Tert Butyl Ether	2.660	73	656725	67.94	ug/L	93
24) Tert Butyl Alcohol	2.709	59	602489	856.63	ug/L	96
25) Acetonitrile	2.794	41	275262	608.01	ug/L	98
26) Di-isopropyl ether	2.873	45	508396	68.16	ug/L	99
27) Chloroprene	2.934	53	226999	69.87	ug/L	97
28) 1,1-Dichloroethane	2.946	63	351433	66.60	ug/L	98
29) Acrylonitrile	2.971	52	453692	350.01	ug/L	99
30) ETBE	3.080	59	567126	66.73	ug/L	98
31) Vinyl acetate	3.080	43	1876774	328.37	ug/L	99
32) cis-1,2-Dichloroethene	3.251	96	211922	65.57	ug/L	97
33) 2,2-Dichloropropane	3.318	77	295653	69.81	ug/L	99
34) Bromochloromethane	3.367	128	98722	67.19	ug/L	96
35) Cyclohexane	3.373	56	285507	71.01	ug/L	99
36) Chloroform	3.404	83	397266	68.23	ug/L	99
37) Ethyl acetate	3.464	43	1425486	344.55	ug/L	100
38) Tetrahydrofuran	3.495	42	108173	68.51	ug/L	96
40) Carbon Tetrachloride	3.489	117	215708m	72.38	ug/L	
41) 1,1,1-Trichloroethane	3.525	97	311281	70.85	ug/L	98
42) 2-Butanone	3.574	43	767731	352.54	ug/L	99
43) 1,1-Dichloropropene	3.599	75	266048	68.25	ug/L	98
44) tert-Butyl formate	3.653	59	595609	279.07	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86796.D
Acq On : 15 Aug 2024 11:19 am
Operator : jeniferw
Sample : IC4046-6 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 15 11:34:06 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Propionitrile	3.745	54	460671	697.29	ug/L		81
46) Methacrylonitrile	3.757	41	1475962	656.44	ug/L		100
47) Benzene	3.739	78	852575	64.36	ug/L		90
48) TAME	3.903	73	327322	80.48	ug/L		93
49) Isobutyl alcohol	3.842	43	298602m	1357.13	ug/L		
51) 1,2-Dichloroethane	3.855	62	265684	66.47	ug/L		99
52) Tert Amyl Alcohol	3.903	59	426763	763.64	ug/L		98
53) Trichloroethene	4.074	95	216570	65.51	ug/L		94
54) Methylcyclohexane	4.080	83	328656	70.29	ug/L		97
55) Dibromomethane	4.324	93	139210	66.44	ug/L		94
56) 1,2-Dichloropropane	4.385	63	200739	64.63	ug/L		97
57) Bromodichloromethane	4.422	83	273980	75.14	ug/L		98
58) Methyl methacrylate	4.507	41	177060	69.00	ug/L		97
59) 1,4-Dioxane	4.544	88	80016	1433.78	ug/L		92
60) 2-Chloroethyl vinyl ether	4.763	63	854261	355.97	ug/L		97
61) cis-1,3-Dichloropropene	4.812	75	340179	72.85	ug/L		98
64) Toluene	4.964	91	862866	66.67	ug/L		99
65) 2-Nitropropane	5.104	41	190214	217.50	ug/L		94
66) 4-Methyl-2-pentanone	5.196	43	1344742	366.01	ug/L		100
67) trans-1,3-Dichloropropene	5.226	75	329081	76.46	ug/L		92
68) Tetrachloroethene	5.220	166	170847	64.99	ug/L		99
69) Ethyl methacrylate	5.324	69	297434	72.14	ug/L		96
70) 1,1,2-Trichloroethane	5.330	83	174014	67.63	ug/L		94
71) Dibromochloromethane	5.458	129	179668	68.39	ug/L		98
72) 1,3-Dichloropropane	5.519	76	355056	67.96	ug/L		98
73) 1,2-Dibromoethane	5.623	107	204975	70.00	ug/L		99
74) 3,3-dimethyl-1-butanol	5.738	57	2431416	4212.24	ug/L		99
75) 2-hexanone	5.757	43	1417135	380.52	ug/L		84
76) 1-Chlorohexane	5.964	91	256555m	62.10	ug/L		
77) Ethylbenzene	6.001	91	942063	67.78	ug/L		99
78) Chlorobenzene	5.982	112	515789	64.74	ug/L		100
79) 1,1,1,2-Tetrachloroethane	6.025	131	159484	74.44	ug/L		99
80) m,p-Xylene	6.104	91	1465715	134.90	ug/L		100
81) o-Xylene	6.415	91	744043	68.32	ug/L		99
82) Styrene	6.452	104	568093	71.13	ug/L		98
83) Bromoform	6.470	173	98407	66.09	ug/L		98
84) Isopropylbenzene	6.647	105	808714	68.31	ug/L		99
87) cis-1,4-Dichloro-2-butene	6.903	53	78840	84.53	ug/L		98
88) n-Propylbenzene	6.958	91	982718	70.11	ug/L		100
89) Bromobenzene	6.939	156	190085	70.44	ug/L		89
90) 1,1,2,2-Tetrachloroethane	7.006	83	330821	74.80	ug/L		99
91) 1,3,5-Trimethylbenzene	7.110	105	662069	71.03	ug/L		99
92) 2-Chlorotoluene	7.080	91	688178	70.86	ug/L		98
93) trans-1,4-Dichloro-2-B...	7.147	53	70292	87.43	ug/L		98
94) 1,2,3-Trichloropropane	7.116	110	100945	74.43	ug/L		97
95) Cyclohexanone	7.147	55	66710	411.09	ug/L		99
96) 4-Chlorotoluene	7.208	91	644457	70.25	ug/L		98
97) tert-Butylbenzene	7.360	91	380828	71.77	ug/L		97
99) 1,2,4-Trimethylbenzene	7.415	105	663953	71.55	ug/L		99
100) Pentachloroethane	7.378	167	79630	67.27	ug/L	#	74
101) sec-Butylbenzene	7.494	105	741044	69.13	ug/L		99
102) 4-Isopropyltoluene	7.604	119	611837	70.43	ug/L		98
103) 1,3-Dichlorobenzene	7.659	146	339107	66.61	ug/L		97
104) 1,2,3-Trimethylbenzene	7.744	105	691960	68.05	ug/L		98
105) 1,4-Dichlorobenzene	7.726	146	347050	65.13	ug/L		97
106) n-Butylbenzene	7.921	92	349912	67.03	ug/L	#	84
107) Benzyl Chloride	7.909	126	88766	66.86	ug/L	#	69
108) 1,2-Dichlorobenzene	8.037	146	323807	66.54	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86796.D
Acq On : 15 Aug 2024 11:19 am
Operator : jeniferw
Sample : IC4046-6 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 15 11:34:06 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
109) 1,2-Dibromo-3-Chloropr...	8.604	75	82461	72.52	ug/L	96
110) Hexachlorobutadiene	9.061	225	54843	61.39	ug/L	93
111) 1,2,4-Trichlorobenzene	9.073	180	157201	60.40	ug/L	98
112) Naphthalene	9.299	128	731028	70.03	ug/L	100
113) 1,2,3-Trichlorobenzene	9.421	180	145606	59.00	ug/L	98

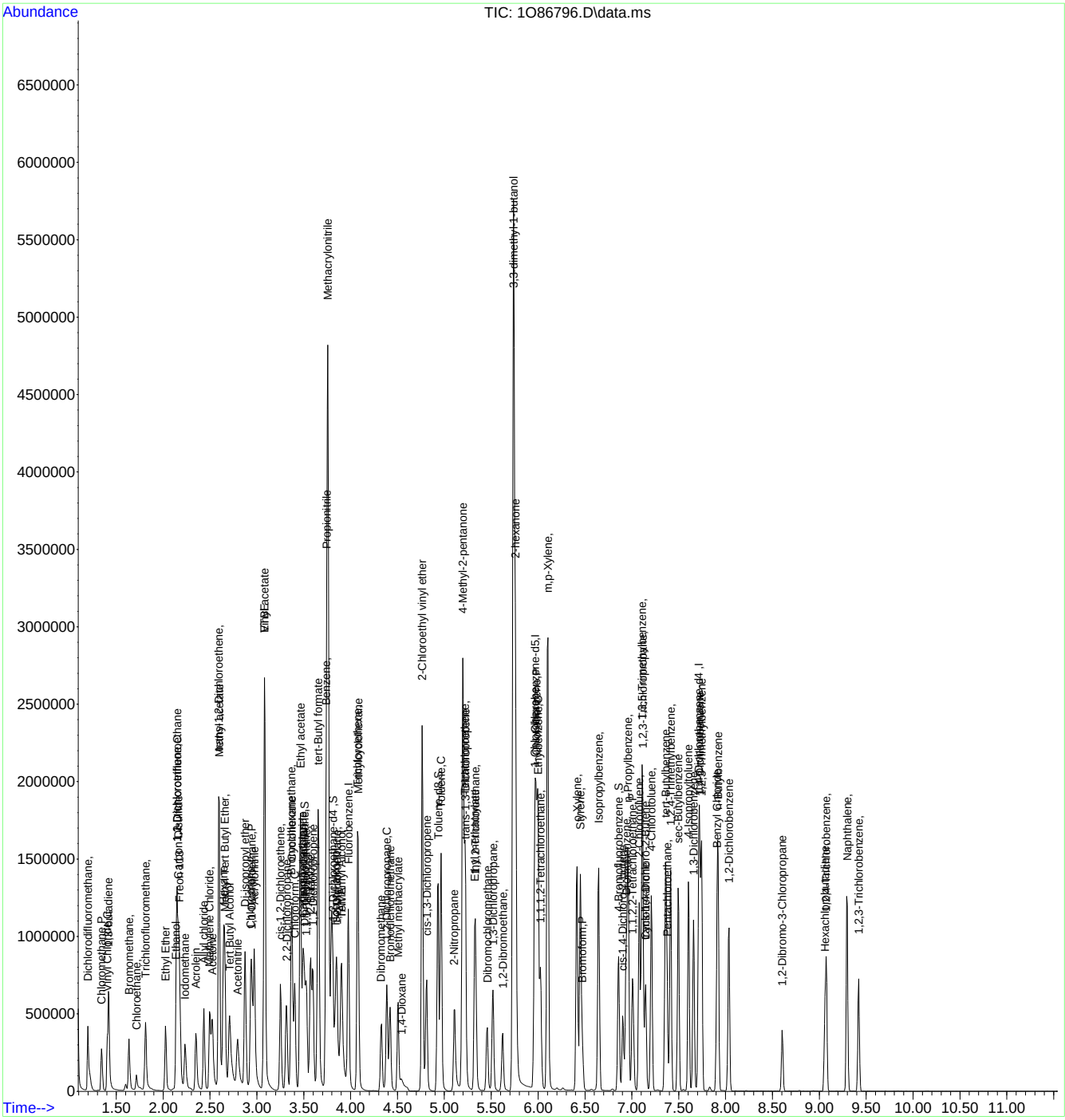
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.6.21
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86796.D
Acq On : 15 Aug 2024 11:19 am
Operator : jeniferw
Sample : IC4046-6 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 15 11:34:06 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration



Manual Integration Approval Summary

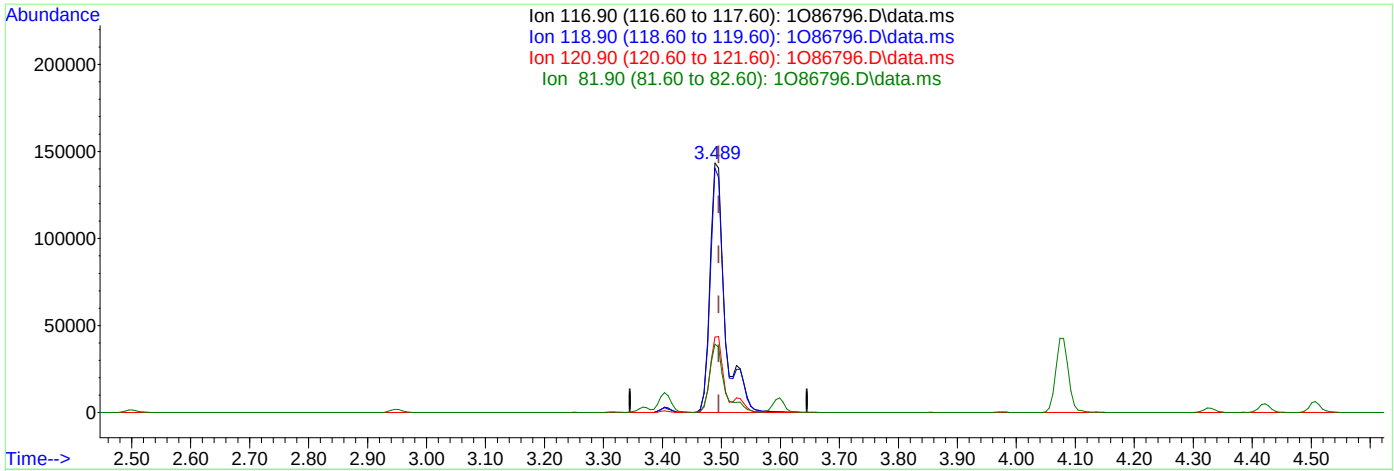
Sample Number: V1O4046-IC4046
Lab FileID: 1O86796.D
Injection Time: 08/15/24 11:19
Method: SW846 8260D
Analyst approved: 08/15/24 13:51 Jenifer Willis
Supervisor approved: 08/15/24 14:28 Karen Watson

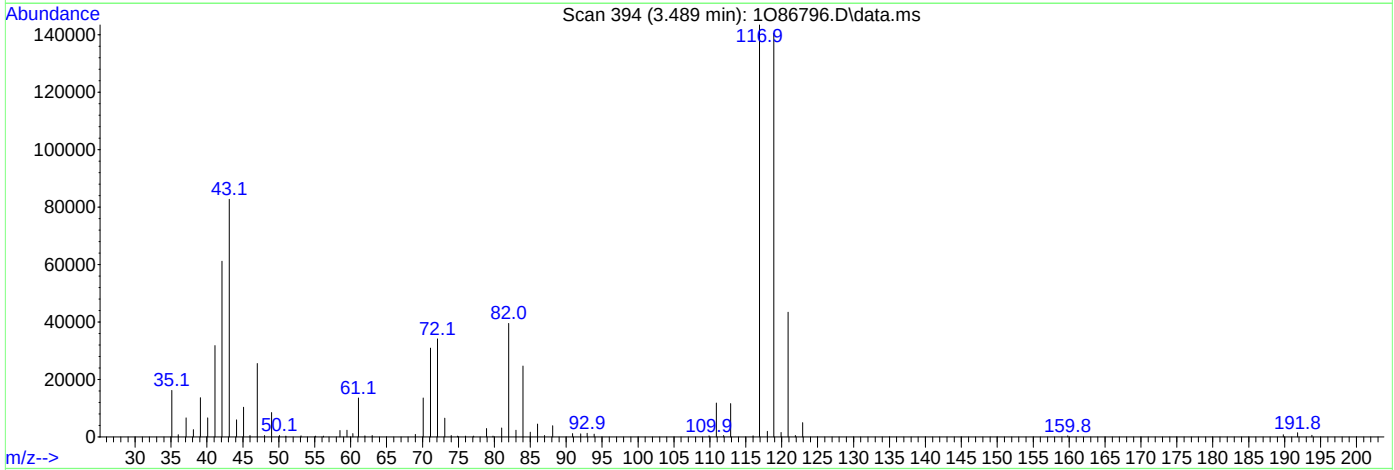
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.49	Overlapping peak
Isobutyl Alcohol	78-83-1		3.84	Poorly defined baseline
1-Chlorohexane	544-10-5		5.96	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86796.D
Acq On : 15 Aug 2024 11:19 am
Operator : jeniferw
Sample : IC4046-6 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 15 11:33:35 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration





TIC: 1O86796.D\data.ms

(40) Carbon Tetrachloride ( )

3.489min (-0.006) 86.06ug/L

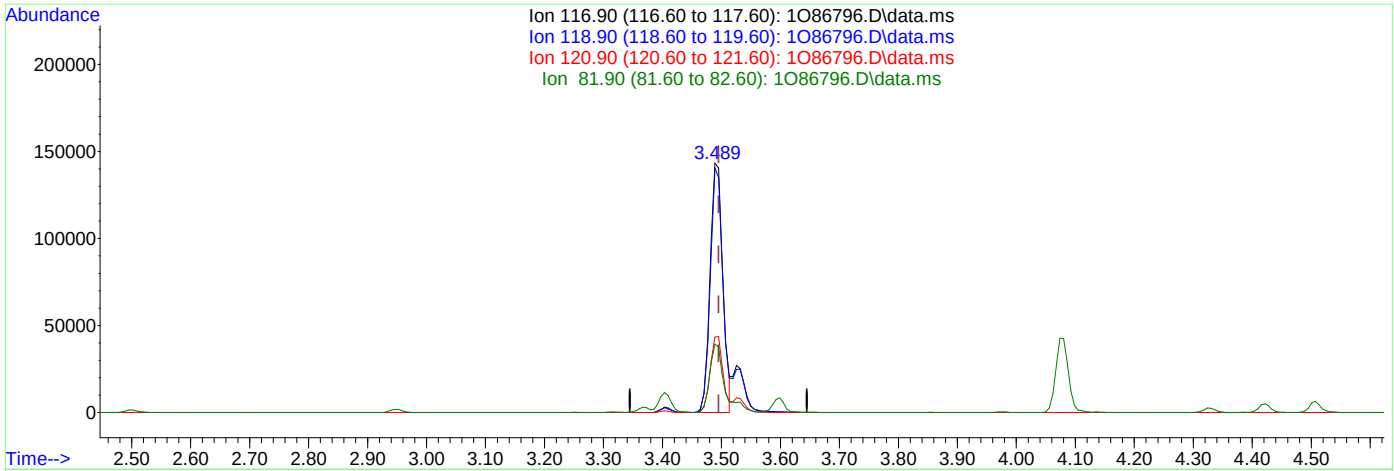
response 256490

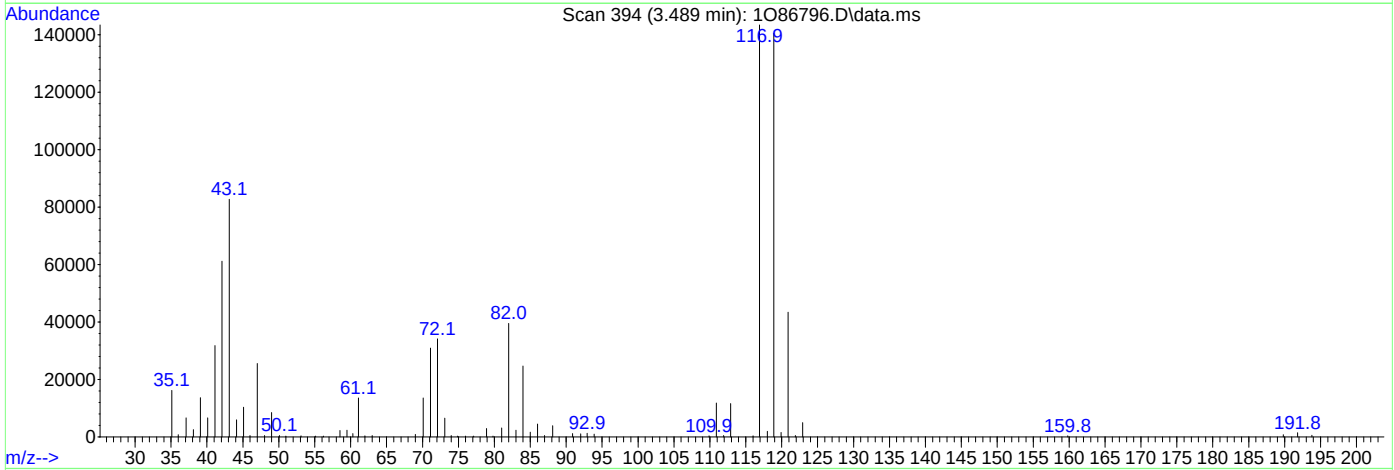
Ion	Exp%	Act%
116.90	100	100
118.90	96.40	97.90
120.90	31.60	30.23
81.90	27.50	27.28

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86796.D
Acq On : 15 Aug 2024 11:19 am
Operator : jeniferw
Sample : IC4046-6 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 15 11:33:35 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration





TIC: 1O86796.D\data.ms

(40) Carbon Tetrachloride ( )

3.489min (-0.006) 72.38ug/L m

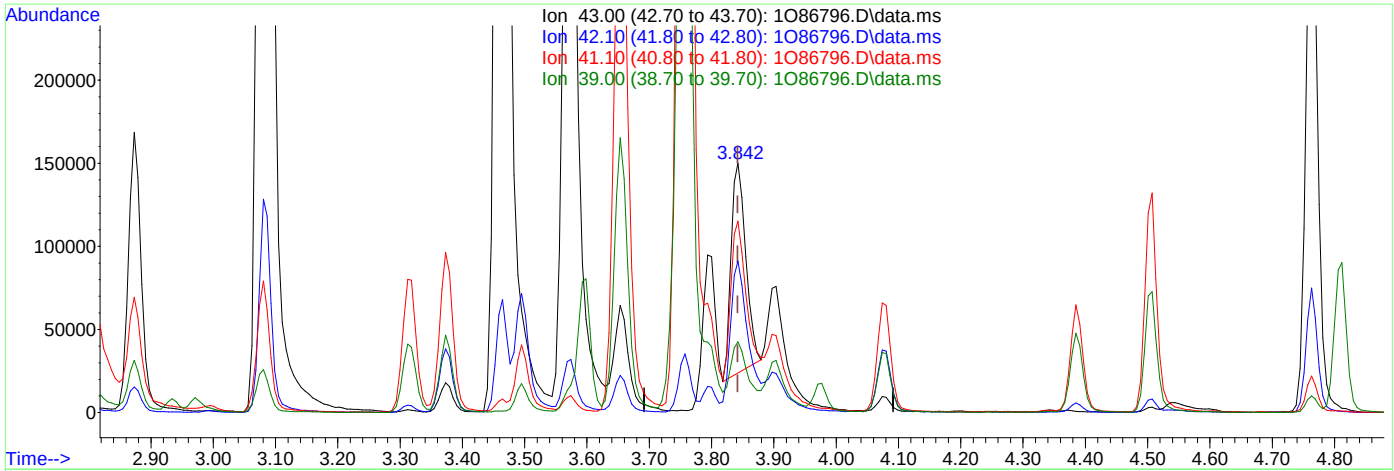
response 215708

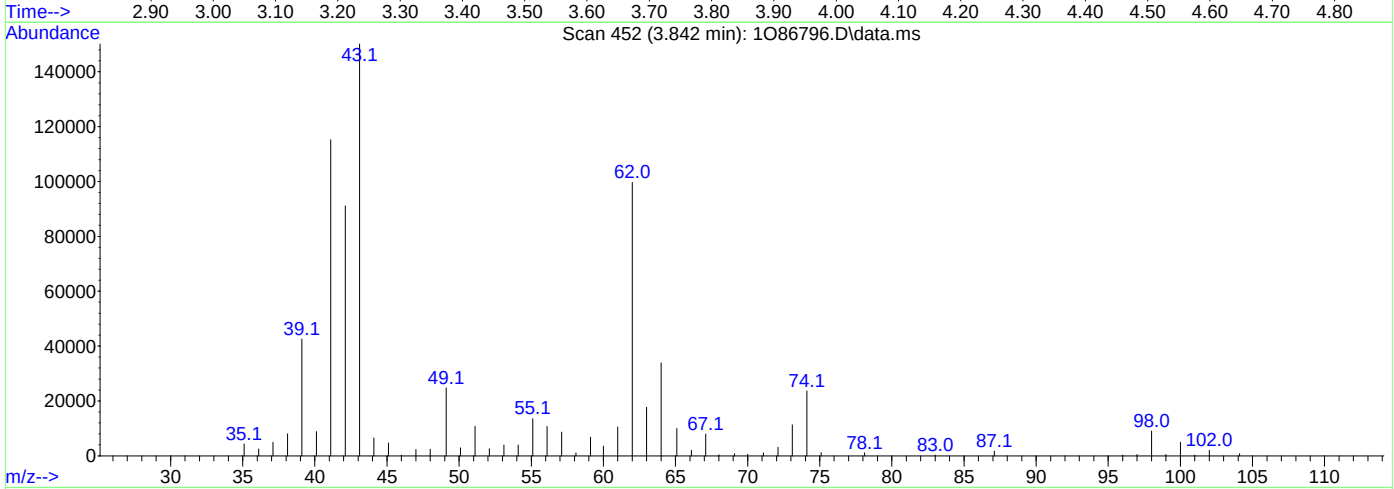
Ion	Exp%	Act%
116.90	100	100
118.90	96.40	97.90
120.90	31.60	30.23
81.90	27.50	27.49

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86796.D
Acq On : 15 Aug 2024 11:19 am
Operator : jeniferw
Sample : IC4046-6 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 15 11:33:35 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration





TIC: 1O86796.D\data.ms

(49) Isobutyl alcohol

3.842min (+0.000) 941.67ug/L

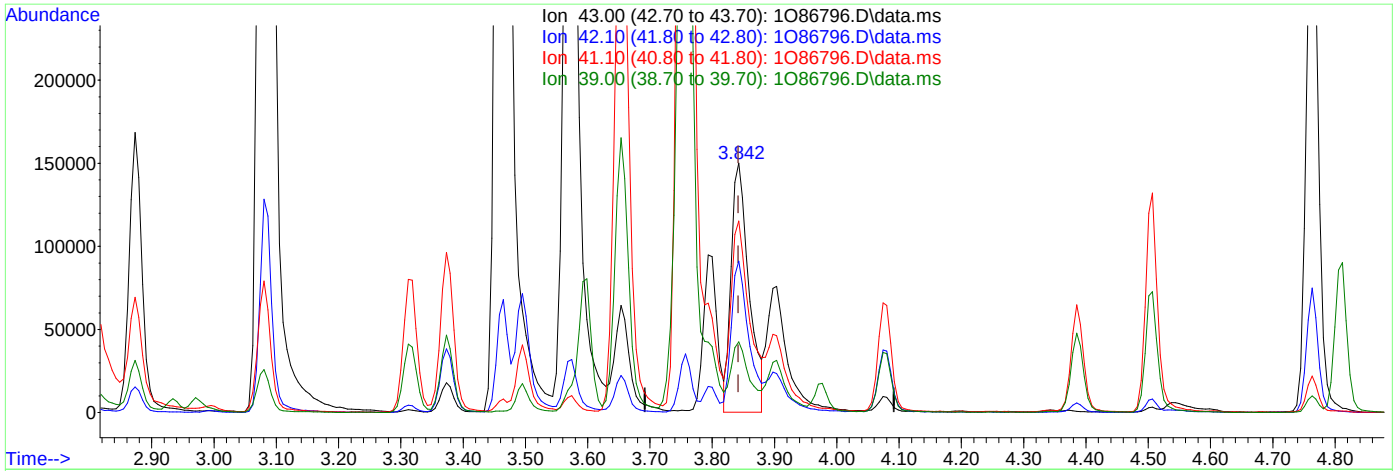
response 207192

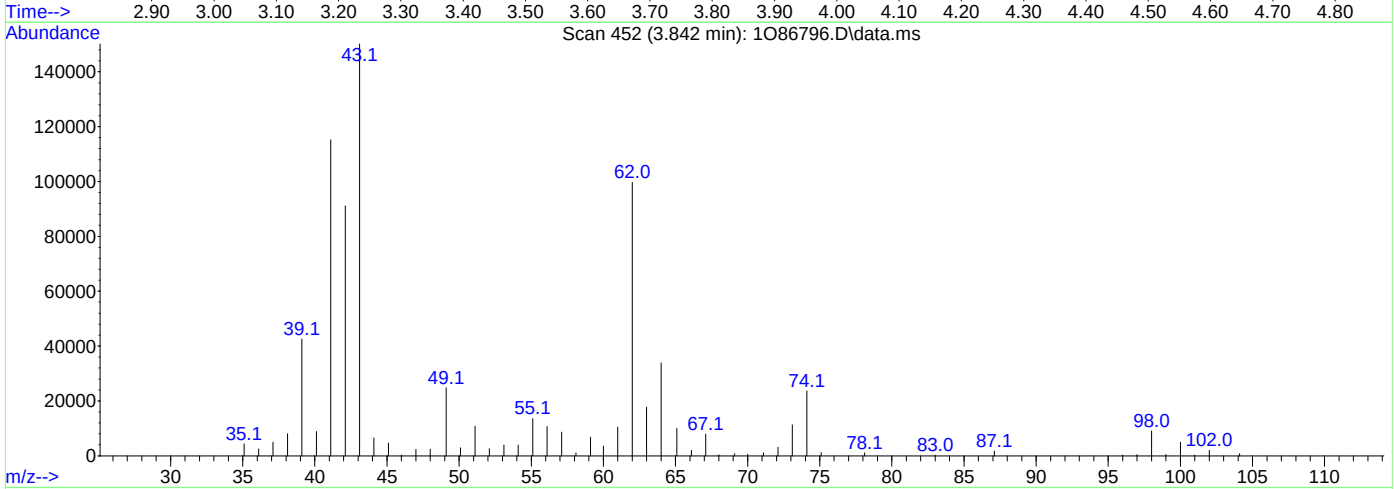
Ion	Exp%	Act%
43.00	100	100
42.10	59.20	64.27
41.10	74.00	72.20
39.00	25.80	23.02

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86796.D
Acq On : 15 Aug 2024 11:19 am
Operator : jeniferw
Sample : IC4046-6 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 15 11:33:35 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration





TIC: 1O86796.D\data.ms

(49) Isobutyl alcohol

3.842min (+0.000) 1357.13ug/L m

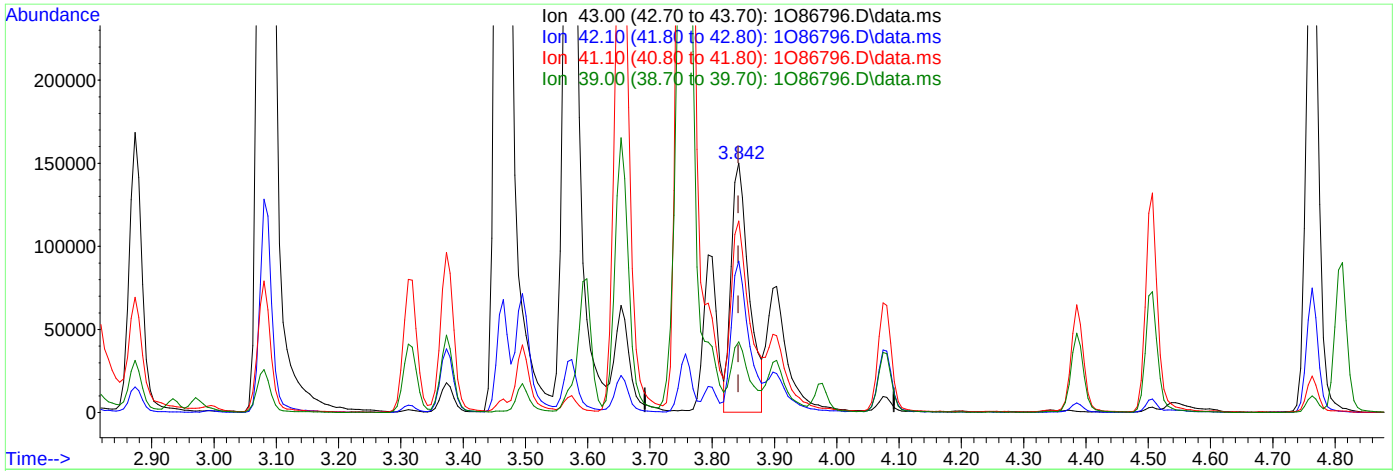
response 298602

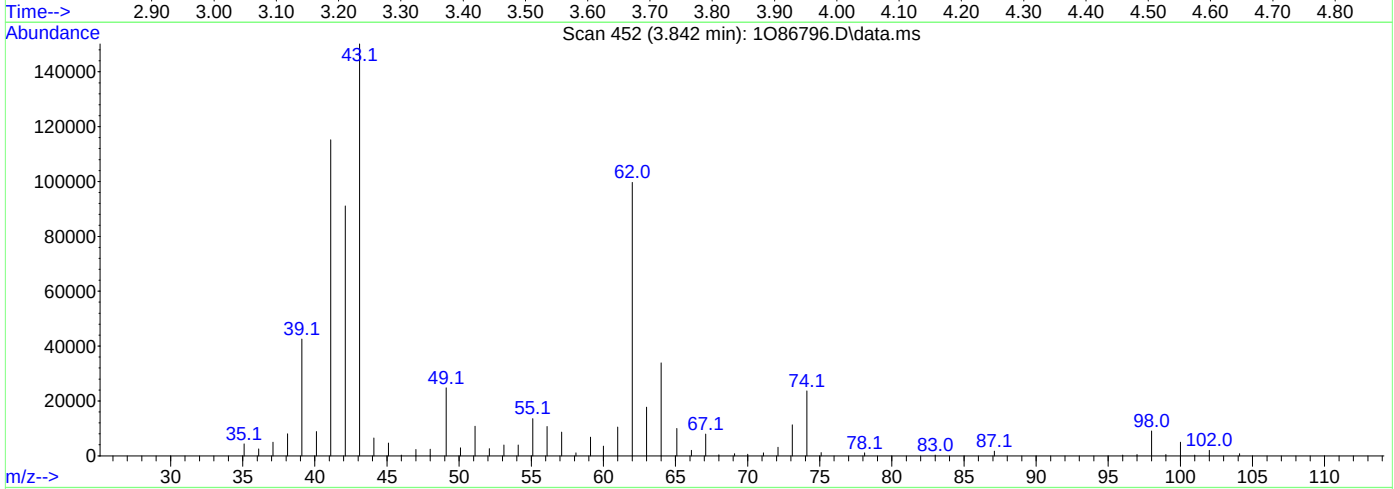
Ion	Exp%	Act%
43.00	100	100
42.10	59.20	60.61
41.10	74.00	76.70
39.00	25.80	28.31

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86796.D
Acq On : 15 Aug 2024 11:19 am
Operator : jeniferw
Sample : IC4046-6 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 15 11:33:35 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration





TIC: 1O86796.D\data.ms

(49) Isobutyl alcohol

3.842min (+0.000) 1357.13ug/L m

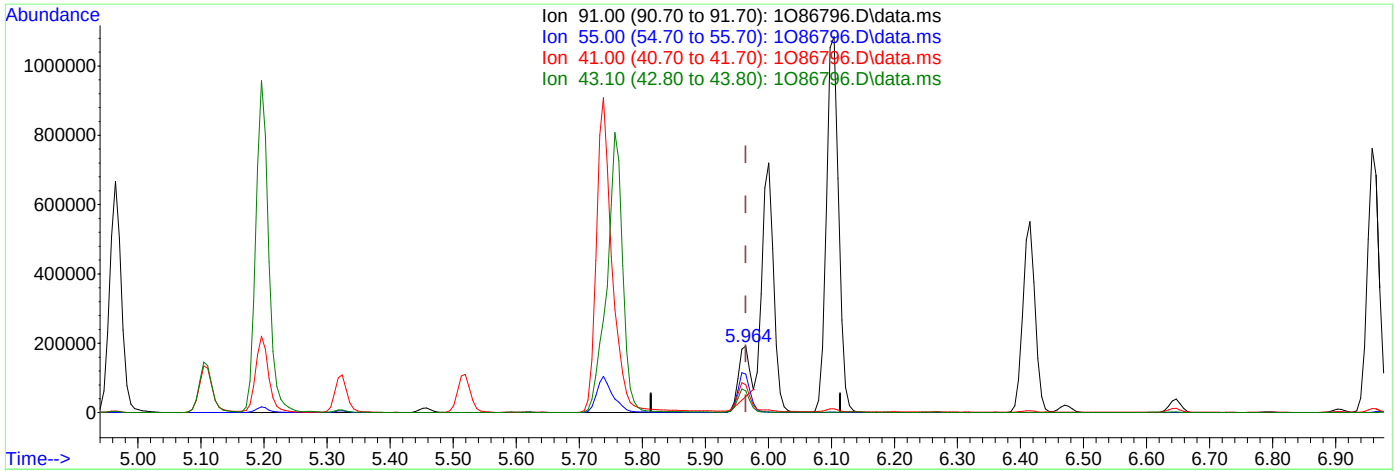
response 298602

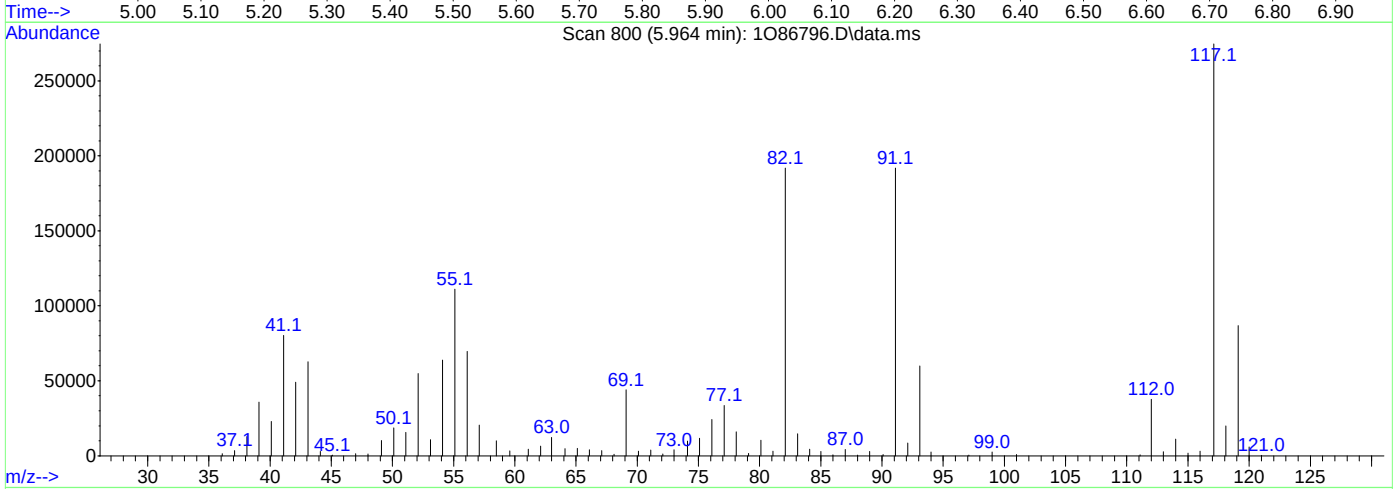
Ion	Exp%	Act%
43.00	100	100
42.10	59.20	60.61
41.10	74.00	76.70
39.00	25.80	28.31

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86796.D
Acq On : 15 Aug 2024 11:19 am
Operator : jeniferw
Sample : IC4046-6 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 15 11:33:35 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration





TIC: 1O86796.D\data.ms

(76) 1-Chlorohexane

5.964min (0.000) 42.94ug/L

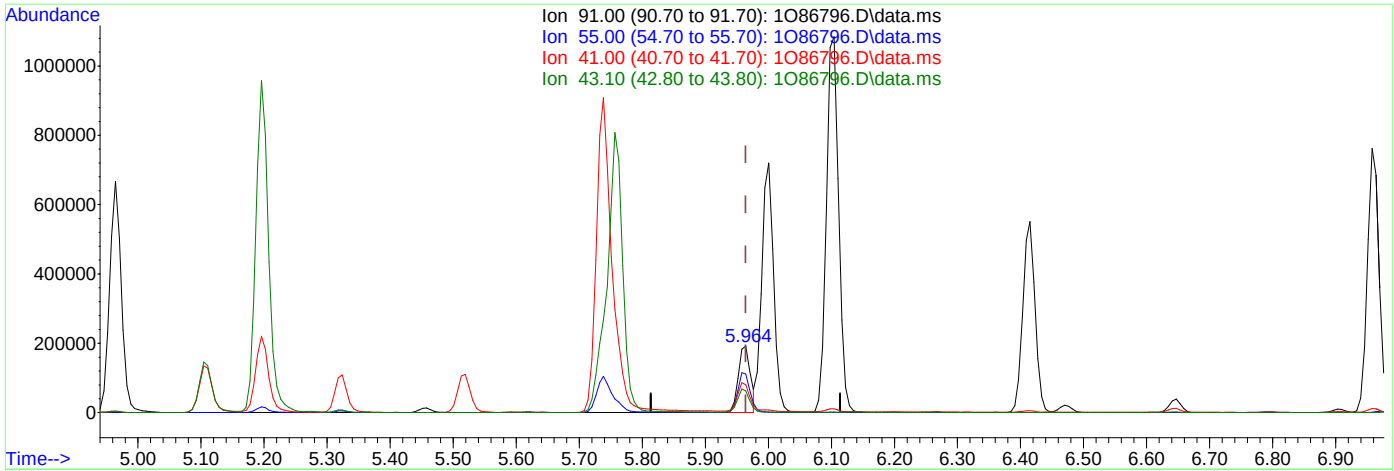
response 177391

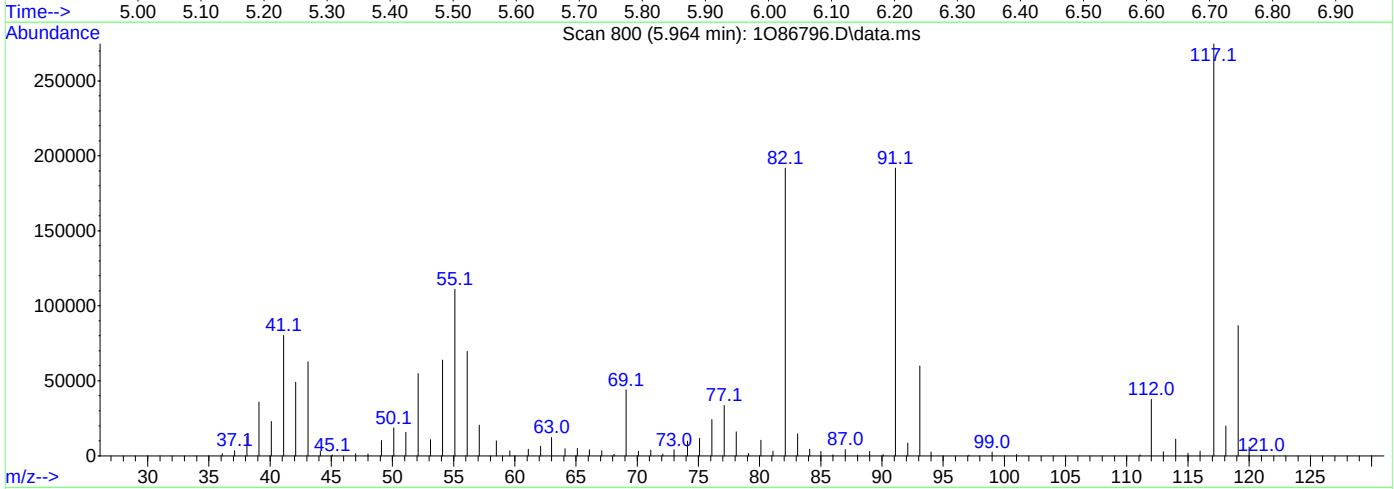
Ion	Exp%	Act%
91.00	100	100
55.00	60.10	57.18
41.00	42.20	39.12
43.10	35.10	31.66

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86796.D
Acq On : 15 Aug 2024 11:19 am
Operator : jeniferw
Sample : IC4046-6 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 15 11:33:35 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration





TIC: 1O86796.D\data.ms

(76) 1-Chlorohexane

5.964min (0.000) 62.10ug/L m

response 256555

Ion	Exp%	Act%
91.00	100	100
55.00	60.10	57.93
41.00	42.20	41.82
43.10	35.10	32.71

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
08/15/24 14:28

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86797.D
Acq On : 15 Aug 2024 11:44 am
Operator : jeniferw
Sample : IC4046-7 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 15 11:59:43 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.977	96	751156	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.970	117	470932	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.714	152	219110	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.507	113	186132	50.93	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	101.86%		
50) 1,2-Dichloroethane-d4	3.812	65	247426	56.35	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery =	112.70%		
63) Toluene-d8	4.934	98	733478	52.00	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery =	104.00%		
86) 4-Bromofluorobenzene	6.860	174	166740	53.19	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	106.38%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.203	85	421294	149.88	ug/L	99
3) Chloromethane	1.349	50	281153	120.04	ug/L	99
4) 1,3-butadiene	1.422	39	239345	97.44	ug/L	97
5) Vinyl Chloride	1.404	62	340161	117.13	ug/L	99
6) Bromomethane	1.636	94	196973	169.56	ug/L	98
7) Chloroethane	1.715	64	75503	101.36	ug/L	98
8) Trichlorofluoromethane	1.812	101	345215	97.85	ug/L	99
9) Ethyl Ether	2.032	59	227211	96.05	ug/L	99
10) Ethanol	2.166	45	75996	1771.17	ug/L	70
11) 1,2-Dichlorotrifluoroe...	2.148	67	347724	96.03	ug/L	97
12) 1,1-Dichloroethene	2.148	61	392330	101.29	ug/L	96
13) Freon 113	2.178	101	262584	99.03	ug/L	98
14) Carbon Disulfide	2.166	76	891713	97.91	ug/L	100
15) Iodomethane	2.239	142	351549	155.99	ug/L	99
16) Acrolein	2.355	56	385390	668.05	ug/L	100
17) Allyl chloride	2.434	41	299987	99.40	ug/L	96
18) Methylene Chloride	2.501	49	277467	93.27	ug/L	98
19) Acetone	2.526	43	619093	505.43	ug/L	98
20) Methyl acetate	2.599	43	1468460	477.88	ug/L	99
21) trans-1,2-Dichloroethene	2.593	61	390111	99.12	ug/L	97
22) Hexane	2.641	56	177374	91.60	ug/L #	90
23) Methyl Tert Butyl Ether	2.660	73	949634	98.98	ug/L	92
24) Tert Butyl Alcohol	2.715	59	895379	1282.69	ug/L	94
25) Acetonitrile	2.800	41	362895	807.64	ug/L	99
26) Di-isopropyl ether	2.879	45	739281	99.86	ug/L	99
27) Chloroprene	2.934	53	330699	102.56	ug/L	96
28) 1,1-Dichloroethane	2.946	63	503534	96.15	ug/L	98
29) Acrylonitrile	2.977	52	645140	501.47	ug/L	99
30) ETBE	3.080	59	823119	97.58	ug/L	99
31) Vinyl acetate	3.087	43	2674007	471.39	ug/L	99
32) cis-1,2-Dichloroethene	3.257	96	300279	93.61	ug/L	99
33) 2,2-Dichloropropane	3.318	77	433558	103.15	ug/L	99
34) Bromochloromethane	3.367	128	142546	97.74	ug/L	96
35) Cyclohexane	3.373	56	397242	99.54	ug/L	99
36) Chloroform	3.404	83	586293	101.46	ug/L	99
37) Ethyl acetate	3.464	43	2048327	498.83	ug/L	99
38) Tetrahydrofuran	3.495	42	148868	95.00	ug/L	99
40) Carbon Tetrachloride	3.495	117	324665m	109.76	ug/L	
41) 1,1,1-Trichloroethane	3.532	97	454382	104.21	ug/L	98
42) 2-Butanone	3.574	43	1146249	530.34	ug/L	100
43) 1,1-Dichloropropene	3.599	75	381546	98.61	ug/L	99
44) tert-Butyl formate	3.660	59	873258	412.25	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86797.D
Acq On : 15 Aug 2024 11:44 am
Operator : jeniferw
Sample : IC4046-7 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 15 11:59:43 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Propionitrile	3.745	54	683205	1041.95	ug/L		89
46) Methacrylonitrile	3.757	41	2148945	962.98	ug/L		99
47) Benzene	3.739	78	1229438	93.51	ug/L		85
48) TAME	3.903	73	496185	122.93	ug/L		90
49) Isobutyl alcohol	3.849	43	451338m	2066.82	ug/L		
51) 1,2-Dichloroethane	3.855	62	380363	95.87	ug/L		99
52) Tert Amyl Alcohol	3.910	59	643116	1159.48	ug/L		99
53) Trichloroethene	4.080	95	314898	95.98	ug/L		99
54) Methylcyclohexane	4.080	83	461124	99.37	ug/L		97
55) Dibromomethane	4.330	93	199174	95.78	ug/L		98
56) 1,2-Dichloropropane	4.385	63	288170	93.48	ug/L		97
57) Bromodichloromethane	4.422	83	408858	112.98	ug/L		99
58) Methyl methacrylate	4.507	41	269972	106.00	ug/L		98
59) 1,4-Dioxane	4.550	88	118244	2134.80	ug/L		98
60) 2-Chloroethyl vinyl ether	4.763	63	1230116	516.46	ug/L		97
61) cis-1,3-Dichloropropene	4.812	75	504596	108.88	ug/L		98
64) Toluene	4.964	91	1247218	98.97	ug/L		100
65) 2-Nitropropane	5.111	41	310563	333.72	ug/L		96
66) 4-Methyl-2-pentanone	5.202	43	2007339	561.17	ug/L		99
67) trans-1,3-Dichloropropene	5.226	75	482598	115.17	ug/L		92
68) Tetrachloroethene	5.220	166	245462	95.90	ug/L		99
69) Ethyl methacrylate	5.324	69	455665	113.51	ug/L		99
70) 1,1,2-Trichloroethane	5.336	83	248128	99.05	ug/L		98
71) Dibromochloromethane	5.458	129	268880	97.56	ug/L		99
72) 1,3-Dichloropropane	5.519	76	506660	99.60	ug/L		98
73) 1,2-Dibromoethane	5.623	107	297193	104.25	ug/L		100
74) 3,3-dimethyl-1-butanol	5.738	57	3631654	6462.14	ug/L		98
75) 2-hexanone	5.763	43	2105874	580.79	ug/L		90
76) 1-Chlorohexane	5.964	91	356325m	88.59	ug/L		
77) Ethylbenzene	6.001	91	1353731	100.05	ug/L		99
78) Chlorobenzene	5.982	112	738752	95.25	ug/L		100
79) 1,1,1,2-Tetrachloroethane	6.025	131	231706	111.08	ug/L		99
80) m,p-Xylene	6.104	91	2101287	198.65	ug/L		99
81) o-Xylene	6.415	91	1075421	101.43	ug/L		99
82) Styrene	6.452	104	821590	105.65	ug/L		99
83) Bromoform	6.476	173	152403	93.81	ug/L		99
84) Isopropylbenzene	6.647	105	1144891	99.32	ug/L		99
87) cis-1,4-Dichloro-2-butene	6.903	53	121535	134.57	ug/L		90
88) n-Propylbenzene	6.958	91	1404445	103.46	ug/L		98
89) Bromobenzene	6.939	156	269382	103.09	ug/L	#	86
90) 1,1,2,2-Tetrachloroethane	7.006	83	477119	111.40	ug/L		99
91) 1,3,5-Trimethylbenzene	7.110	105	948058	105.04	ug/L		98
92) 2-Chlorotoluene	7.080	91	980735	104.27	ug/L		98
93) trans-1,4-Dichloro-2-B...	7.147	53	104183	133.82	ug/L		95
94) 1,2,3-Trichloropropane	7.116	110	146533	111.57	ug/L		97
95) Cyclohexanone	7.147	55	96018	611.02	ug/L		98
96) 4-Chlorotoluene	7.208	91	924899	104.11	ug/L		98
97) tert-Butylbenzene	7.360	91	546550	106.36	ug/L		99
99) 1,2,4-Trimethylbenzene	7.415	105	951657	105.91	ug/L		99
100) Pentachloroethane	7.378	167	123003	97.16	ug/L	#	81
101) sec-Butylbenzene	7.494	105	1064751	102.57	ug/L		99
102) 4-Isopropyltoluene	7.604	119	880775	104.70	ug/L		98
103) 1,3-Dichlorobenzene	7.659	146	480601	97.49	ug/L		96
104) 1,2,3-Trimethylbenzene	7.744	105	988718	100.42	ug/L		98
105) 1,4-Dichlorobenzene	7.726	146	490939	95.14	ug/L		97
106) n-Butylbenzene	7.921	92	510838	101.05	ug/L		88
107) Benzyl Chloride	7.909	126	137058	94.59	ug/L	#	67
108) 1,2-Dichlorobenzene	8.037	146	458849	97.36	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86797.D
Acq On : 15 Aug 2024 11:44 am
Operator : jeniferw
Sample : IC4046-7 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 15 11:59:43 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration

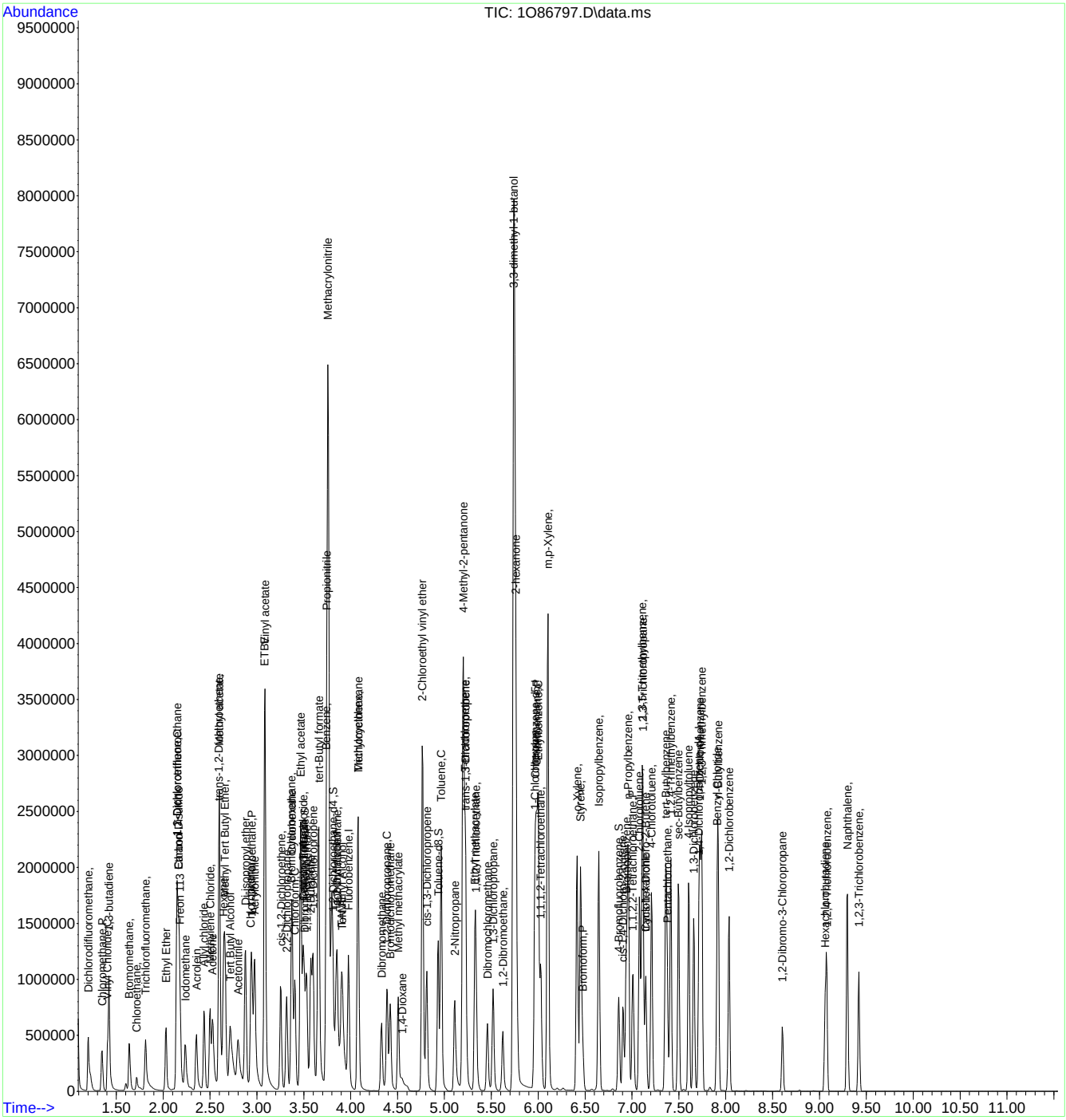
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
109) 1,2-Dibromo-3-Chloropr...	8.604	75	122431	102.06	ug/L	95
110) Hexachlorobutadiene	9.061	225	82379	95.23	ug/L	92
111) 1,2,4-Trichlorobenzene	9.079	180	229374	91.01	ug/L	99
112) Naphthalene	9.299	128	1052727	104.14	ug/L	100
113) 1,2,3-Trichlorobenzene	9.421	180	207904	86.99	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86797.D
Acq On : 15 Aug 2024 11:44 am
Operator : jeniferw
Sample : IC4046-7 Inst : MSVOA12-O
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Quant Title : SW-846 Method 5035A/8260B
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Response via : Initial Calibration



Manual Integration Approval Summary

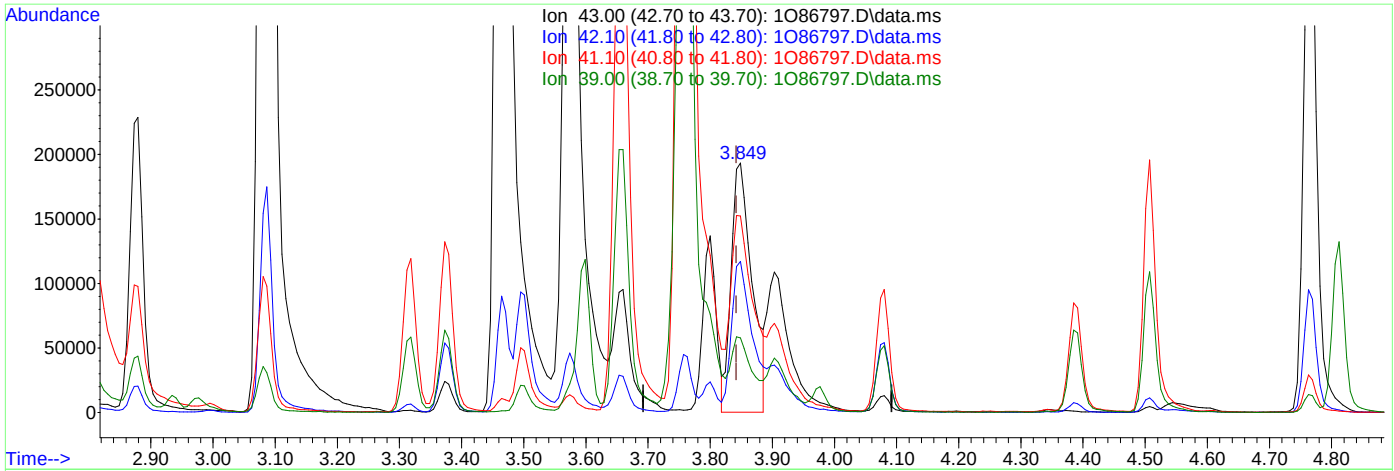
Sample Number: V1O4046-IC4046
Lab FileID: 1O86797.D
Injection Time: 08/15/24 11:44
Method: SW846 8260D
Analyst approved: 08/15/24 13:51 Jenifer Willis
Supervisor approved: 08/15/24 14:28 Karen Watson

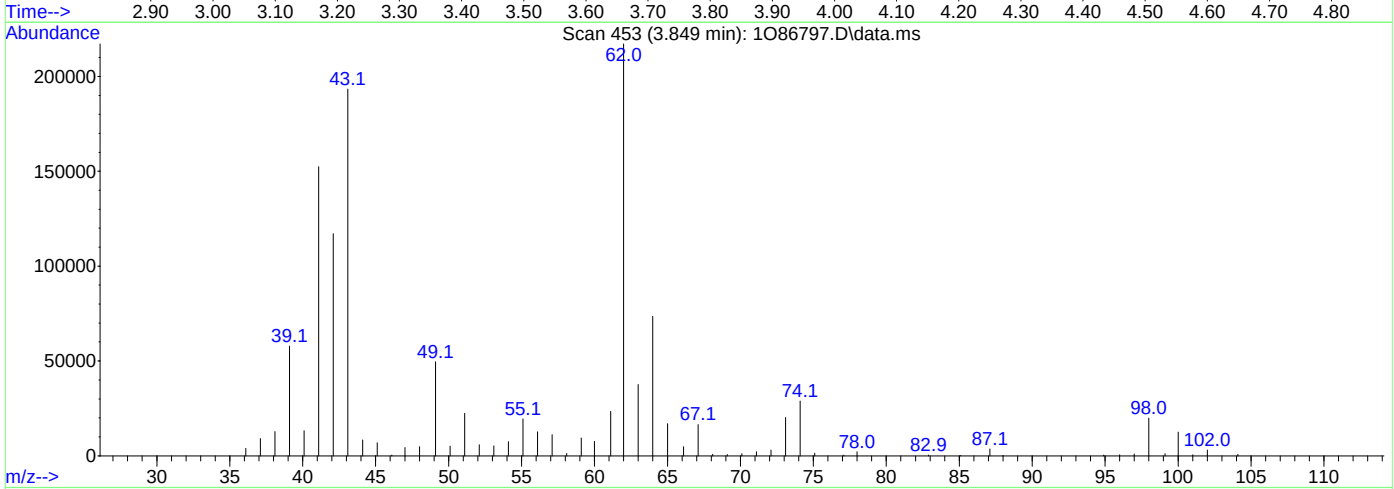
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.49	Overlapping peak
Isobutyl Alcohol	78-83-1		3.85	Poorly defined baseline
1-Chlorohexane	544-10-5		5.96	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86797.D
Acq On : 15 Aug 2024 11:44 am
Operator : jeniferw
Sample : IC4046-7 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 15 11:58:46 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration





TIC: 1O86797.D\data.ms

(49) Isobutyl alcohol

3.849min (+0.007) 2066.82ug/L m

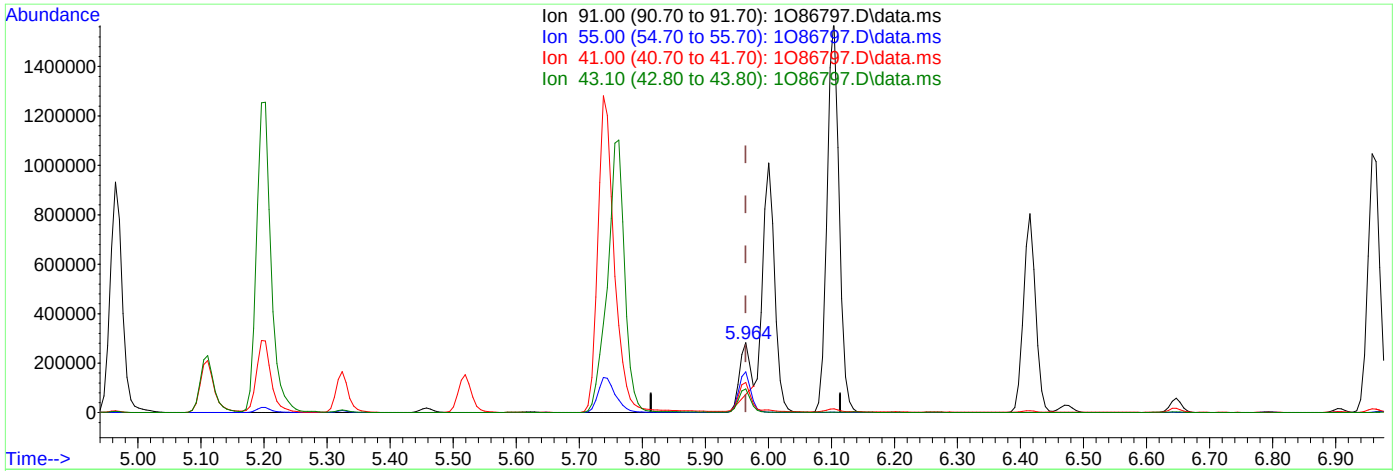
response 451338

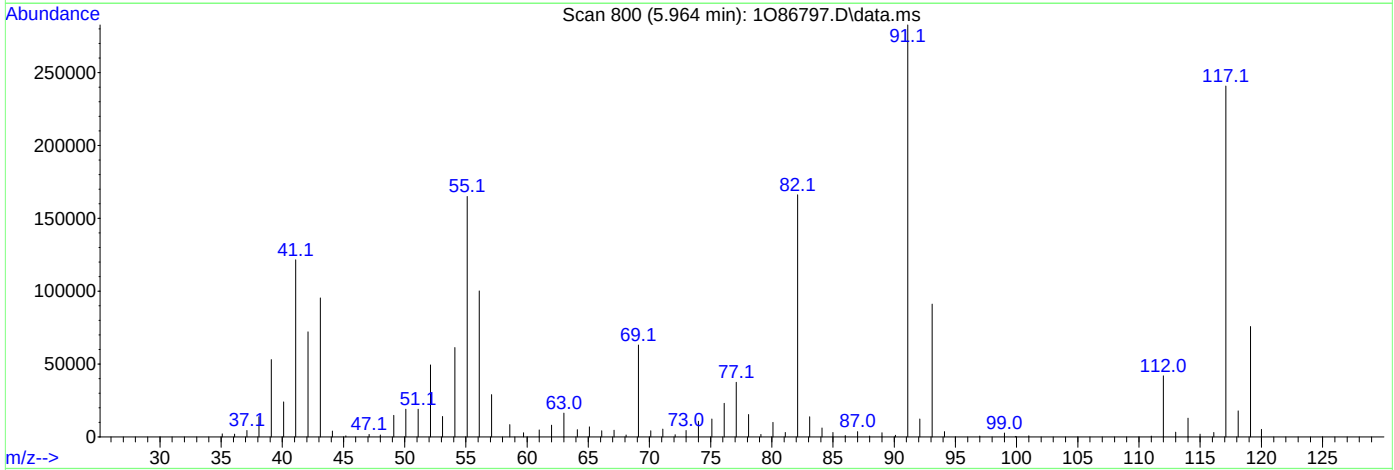
Ion	Exp%	Act%
43.00	100	100
42.10	59.20	60.58
41.10	74.00	78.79
39.00	25.80	29.93

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86797.D
Acq On : 15 Aug 2024 11:44 am
Operator : jeniferw
Sample : IC4046-7 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 15 11:58:46 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration





TIC: 1O86797.D\data.ms

(76) 1-Chlorohexane

5.964min (0.000) 58.08ug/L

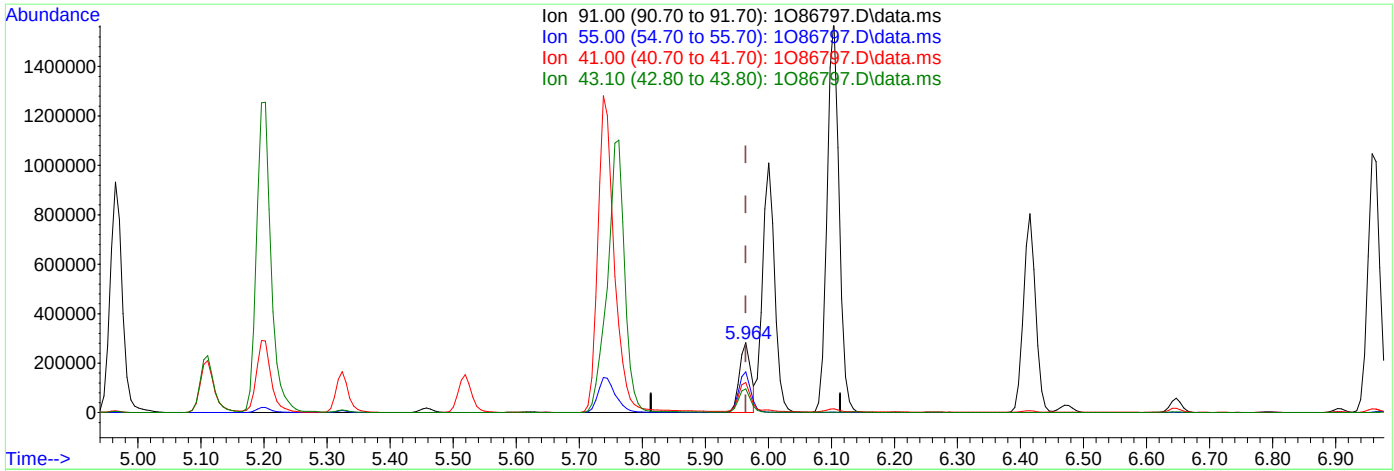
response 233606

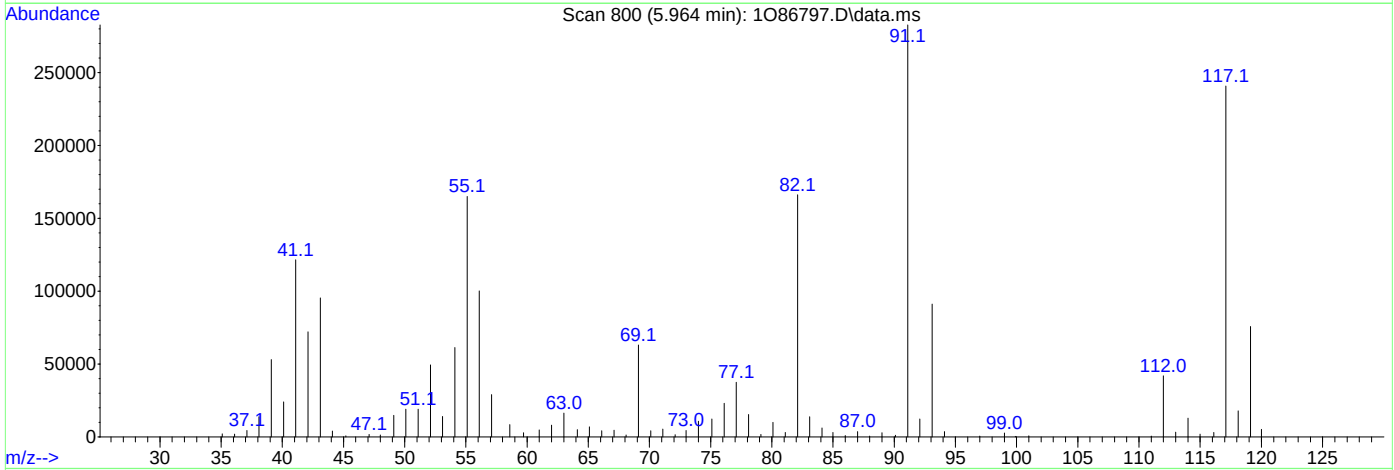
Ion	Exp%	Act%
91.00	100	100
55.00	60.10	57.80
41.00	42.20	40.79
43.10	35.10	32.69

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86797.D
Acq On : 15 Aug 2024 11:44 am
Operator : jeniferw
Sample : IC4046-7 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 15 11:58:46 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration





TIC: 1O86797.D\data.ms

(76) 1-Chlorohexane

5.964min (0.000) 88.59ug/L m

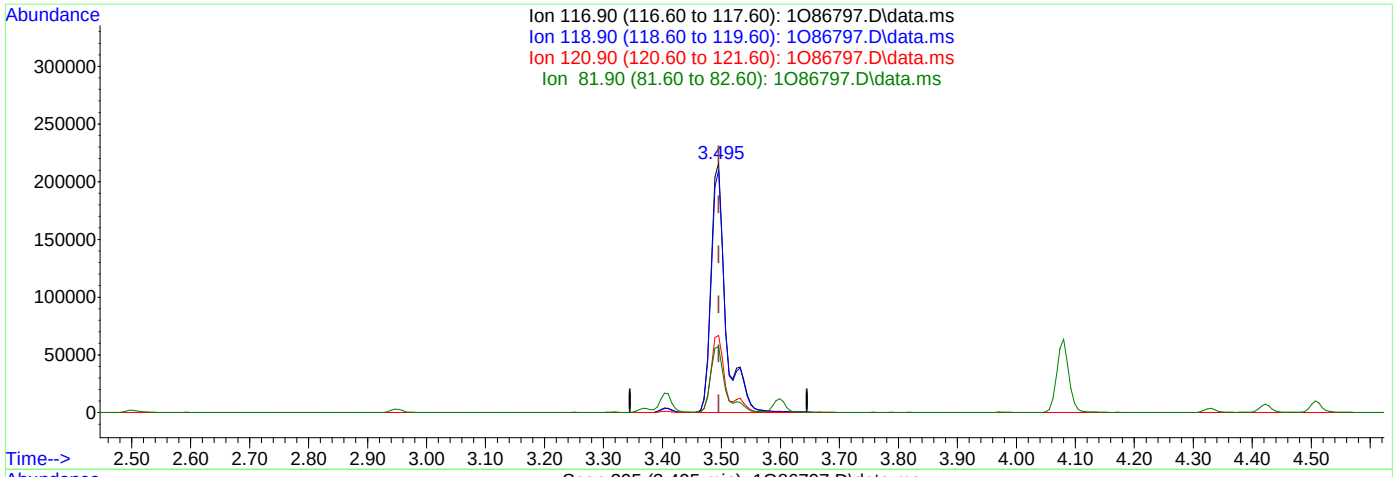
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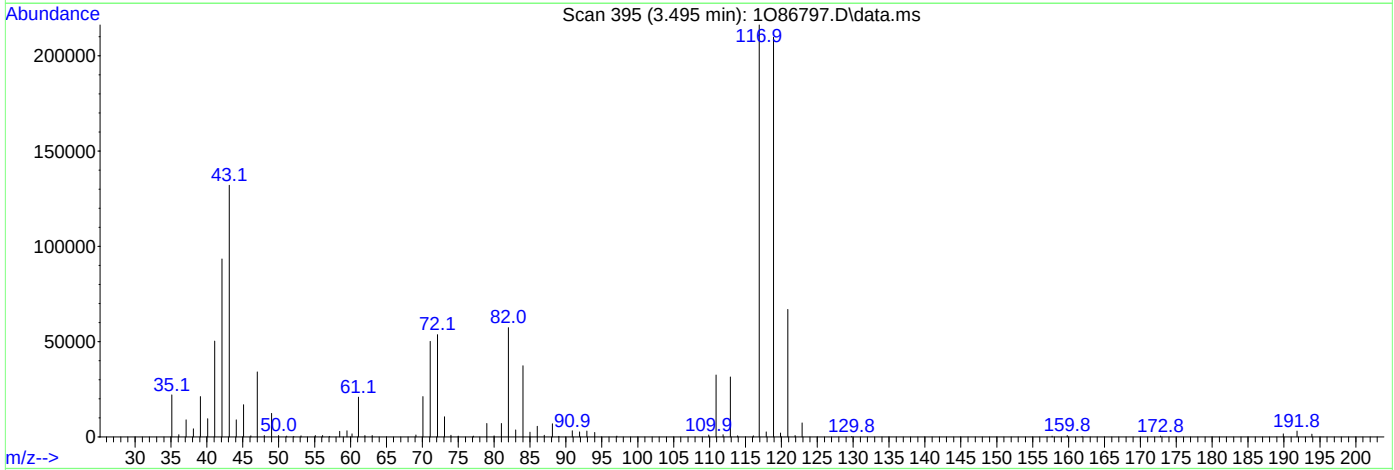
Ion	Exp%	Act%
91.00	100	100
55.00	60.10	58.36
41.00	42.20	42.95
43.10	35.10	33.69

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86797.D
Acq On : 15 Aug 2024 11:44 am
Operator : jeniferw
Sample : IC4046-7 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 15 11:58:46 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration





TIC: 1O86797.D\data.ms

(40) Carbon Tetrachloride ( )

3.495min (-0.000) 128.04ug/L

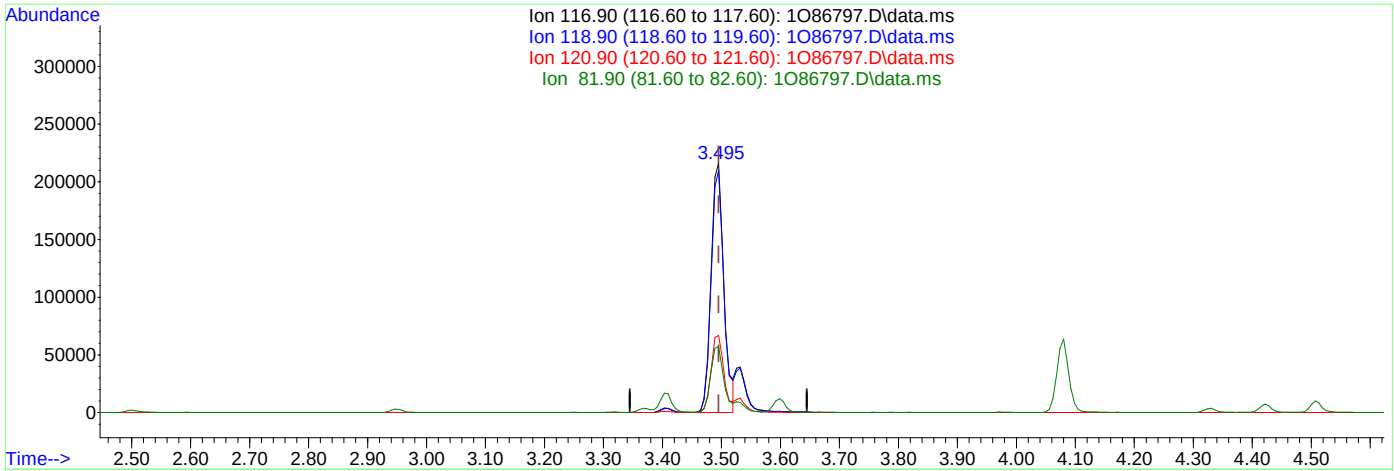
response 378730

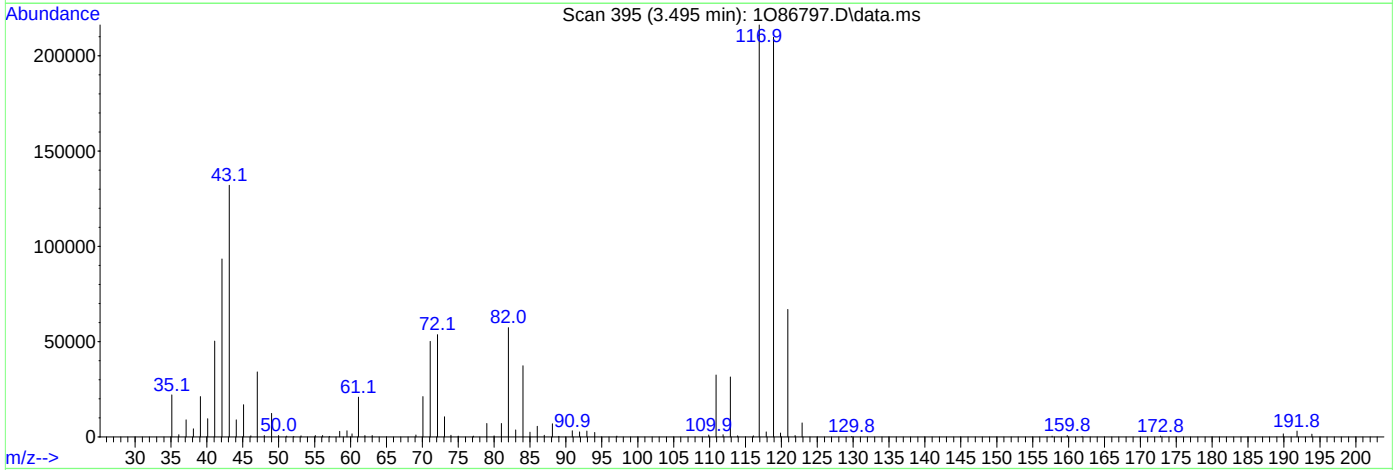
Ion	Exp%	Act%
116.90	100	100
118.90	96.40	96.98
120.90	31.60	30.92
81.90	27.50	26.25

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86797.D
Acq On : 15 Aug 2024 11:44 am
Operator : jeniferw
Sample : IC4046-7 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 15 11:58:46 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration





TIC: 1O86797.D\data.ms

(40) Carbon Tetrachloride ( )

3.495min (-0.000) 109.76ug/L m

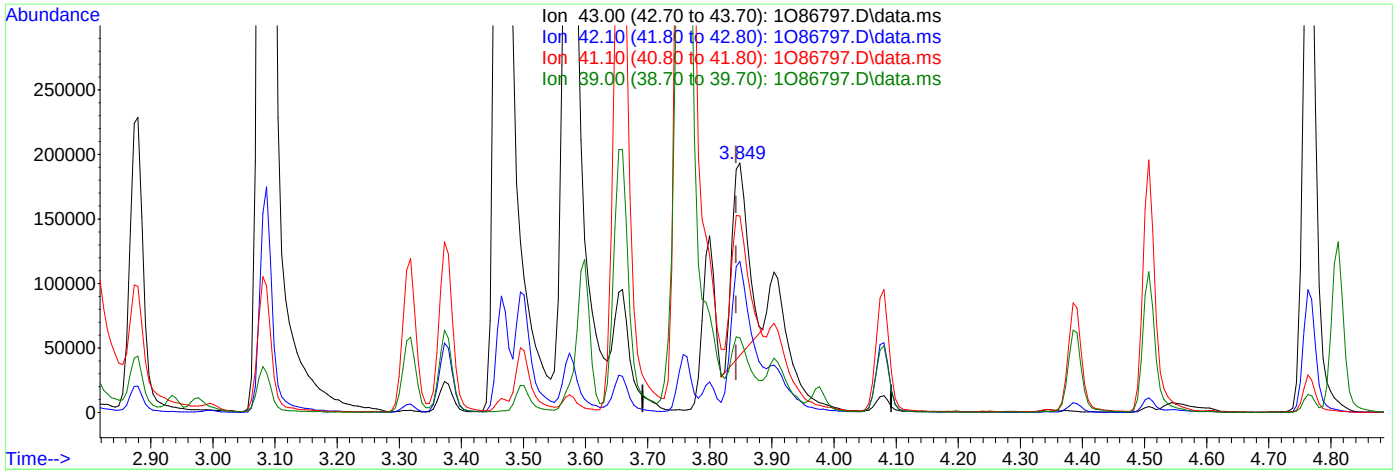
response 324665

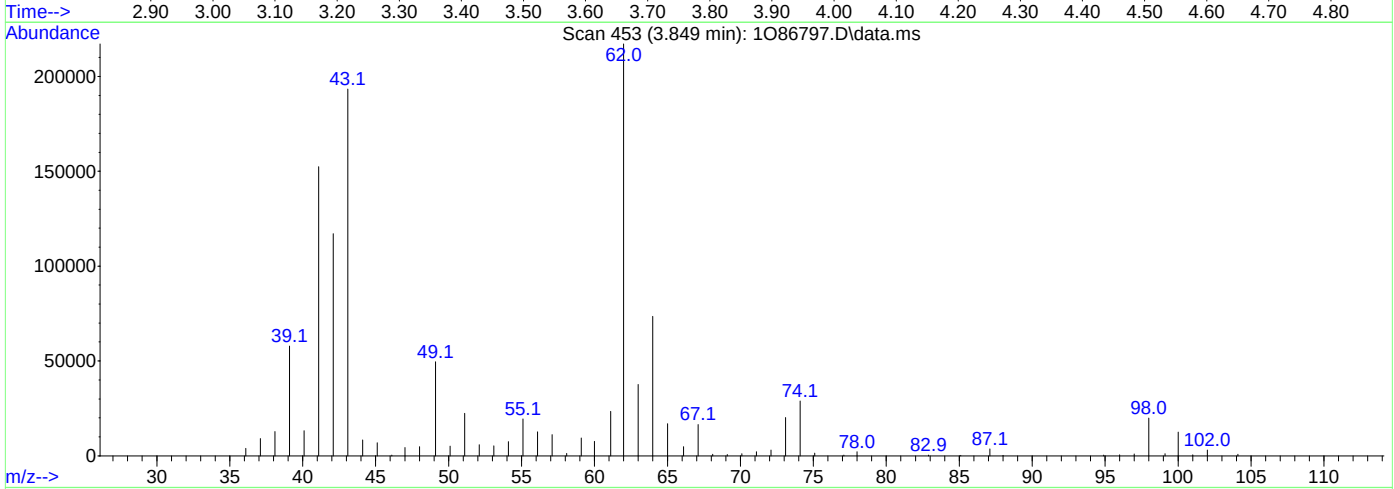
Ion	Exp%	Act%
116.90	100	100
118.90	96.40	96.98
120.90	31.60	30.92
81.90	27.50	26.48

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86797.D
Acq On : 15 Aug 2024 11:44 am
Operator : jeniferw
Sample : IC4046-7 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 15 11:58:46 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Jul 31 13:54:03 2024
Response via : Initial Calibration





TIC: 1O86797.D\data.ms

(49) Isobutyl alcohol

3.849min (+0.007) 1225.10ug/L

response 267530

Ion	Exp%	Act%
43.00	100	100
42.10	59.20	65.88
41.10	74.00	62.22
39.00	25.80	19.98

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
08/15/24 14:28

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86799.D
Acq On : 15 Aug 2024 12:35 pm
Operator : jeniferw
Sample : ICV4046-5 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 15 13:30:17 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 15 12:51:02 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.976	96	762367	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.970	117	491118	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.714	152	234804	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.507	113	192289	51.93	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 103.86%			
50) 1,2-Dichloroethane-d4	3.812	65	241151	51.65	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 103.30%			
63) Toluene-d8	4.934	98	745275	50.06	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.12%			
86) 4-Bromofluorobenzene	6.860	174	171949	49.09	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.18%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.197	85	158859	37.70	ug/L	100
3) Chloromethane	1.343	50	103880	36.61	ug/L	100
5) Vinyl Chloride	1.404	62	126805	37.08	ug/L	98
6) Bromomethane	1.635	94	83974	44.72	ug/L	98
8) Trichlorofluoromethane	1.818	101	158877	39.93	ug/L	97
9) Ethyl Ether	2.026	59	90582	39.94	ug/L	98
10) Ethanol	2.117	45	31446	758.65	ug/L	97
11) 1,2-Dichlorotrifluoroe...	2.148	67	142347	41.04	ug/L	98
12) 1,1-Dichloroethene	2.148	61	167727	43.60	ug/L	96
13) Freon 113	2.172	101	112054	43.47	ug/L	98
14) Carbon Disulfide	2.166	76	342312	39.73	ug/L	97
15) Iodomethane	2.233	142	133251	42.25	ug/L	97
16) Acrolein	2.349	56	156965	214.27	ug/L	100
17) Allyl chloride	2.434	41	133111	43.52	ug/L	99
18) Methylene Chloride	2.495	49	126764	43.46	ug/L	99
19) Acetone	2.519	43	305325	224.69	ug/L	100
20) Methyl acetate	2.593	43	633223	207.28	ug/L	99
21) trans-1,2-Dichloroethene	2.593	61	168226	42.78	ug/L	99
22) Hexane	2.641	56	74562	40.01	ug/L	97
23) Methyl Tert Butyl Ether	2.654	73	388752	42.04	ug/L	91
24) Tert Butyl Alcohol	2.702	59	337216	406.65	ug/L	100
25) Acetonitrile	2.794	41	197725	442.71	ug/L	99
26) Di-isopropyl ether	2.873	45	286781	39.82	ug/L	98
27) Chloroprene	2.934	53	151663	47.66	ug/L	99
28) 1,1-Dichloroethane	2.946	63	218306	42.70	ug/L	99
29) Acrylonitrile	2.971	52	256468	192.93	ug/L	99
30) ETBE	3.080	59	327621	40.96	ug/L	98
31) Vinyl acetate	3.080	43	1200404	230.15	ug/L	100
32) cis-1,2-Dichloroethene	3.251	96	136558	43.35	ug/L	97
33) 2,2-Dichloropropane	3.318	77	196790	46.44	ug/L	99
34) Bromochloromethane	3.367	128	57695	40.16	ug/L	97
35) Cyclohexane	3.373	56	162151	42.12	ug/L	97
36) Chloroform	3.403	83	254618	43.81	ug/L	100
37) Ethyl acetate	3.464	43	848614	204.83	ug/L	99
38) Tetrahydrofuran	3.495	42	57937	35.97	ug/L	93
40) Carbon Tetrachloride	3.489	117	137152m	47.63	ug/L	
41) 1,1,1-Trichloroethane	3.531	97	201466	46.24	ug/L	98
42) 2-Butanone	3.568	43	462599	195.00	ug/L	98
44) tert-Butyl formate	3.653	59	394715	235.84	ug/L	95
45) Propionitrile	3.745	54	302976	425.94	ug/L	92
46) Methacrylonitrile	3.757	41	972523	430.91	ug/L	99
47) Benzene	3.739	78	542426	42.10	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86799.D
Acq On : 15 Aug 2024 12:35 pm
Operator : jeniferw
Sample : ICV4046-5 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 15 13:30:17 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 15 12:51:02 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) TAME	3.897	73	181773	43.94	ug/L	98
49) Isobutyl alcohol	3.836	43	189161m	890.47	ug/L	
51) 1,2-Dichloroethane	3.855	62	175319	44.47	ug/L	100
52) Tert Amyl Alcohol	3.897	59	251364	439.21	ug/L	99
53) Trichloroethene	4.074	95	139969	42.64	ug/L	98
54) Methylcyclohexane	4.080	83	197895	44.66	ug/L	98
55) Dibromomethane	4.324	93	87532	43.67	ug/L	93
56) 1,2-Dichloropropane	4.385	63	127607	43.96	ug/L	99
57) Bromodichloromethane	4.422	83	165854	46.19	ug/L	96
58) Methyl methacrylate	4.507	41	115054	45.49	ug/L	98
59) 1,4-Dioxane	4.537	88	44710	749.72	ug/L	98
60) 2-Chloroethyl vinyl ether	4.763	63	509305	218.08	ug/L	100
61) cis-1,3-Dichloropropene	4.812	75	207464	46.57	ug/L	99
64) Toluene	4.964	91	550230	42.26	ug/L	100
65) 2-Nitropropane	5.104	41	113046	235.93	ug/L	98
66) 4-Methyl-2-pentanone	5.196	43	855112	214.86	ug/L	99
67) trans-1,3-Dichloropropene	5.226	75	186938	43.52	ug/L	100
68) Tetrachloroethene	5.220	166	112957	44.09	ug/L	99
69) Ethyl methacrylate	5.324	69	205033	45.86	ug/L	99
70) 1,1,2-Trichloroethane	5.330	83	110990	43.24	ug/L	92
71) Dibromochloromethane	5.458	129	110180	45.81	ug/L	98
72) 1,3-Dichloropropane	5.519	76	229671	44.31	ug/L	99
73) 1,2-Dibromoethane	5.622	107	130688	45.08	ug/L	94
74) 3,3-dimethyl-1-butanol	5.738	57	1436110	2171.72	ug/L	99
75) 2-hexanone	5.757	43	893862	217.36	ug/L	97
76) 1-Chlorohexane	5.964	91	155971m	40.43	ug/L	
77) Ethylbenzene	6.000	91	602152	42.84	ug/L	99
78) Chlorobenzene	5.982	112	328268	41.97	ug/L	97
79) 1,1,1,2-Tetrachloroethane	6.025	131	99574	47.79	ug/L	98
80) m,p-Xylene	6.104	91	934896	87.05	ug/L	100
81) o-Xylene	6.415	91	466836	43.91	ug/L	99
82) Styrene	6.452	104	355236	46.46	ug/L	99
83) Bromoform	6.470	173	55976	44.18	ug/L	98
84) Isopropylbenzene	6.647	105	521899	45.14	ug/L	99
87) cis-1,4-Dichloro-2-butene	6.903	53	50534	45.08	ug/L	97
88) n-Propylbenzene	6.958	91	644283	43.96	ug/L	99
89) Bromobenzene	6.939	156	119940	41.64	ug/L	96
90) 1,1,2,2-Tetrachloroethane	7.006	83	209036	43.23	ug/L	99
91) 1,3,5-Trimethylbenzene	7.110	105	440620	45.84	ug/L	100
92) 2-Chlorotoluene	7.080	91	440891	42.56	ug/L	99
93) trans-1,4-Dichloro-2-B...	7.147	53	42242	42.77	ug/L	97
94) 1,2,3-Trichloropropane	7.116	110	64603	42.34	ug/L	98
95) Cyclohexanone	7.147	55	68866	342.99	ug/L	99
96) 4-Chlorotoluene	7.208	91	417898	43.13	ug/L	99
97) tert-Butylbenzene	7.360	91	253352	45.13	ug/L	99
99) 1,2,4-Trimethylbenzene	7.415	105	444997	47.27	ug/L	99
100) Pentachloroethane	7.378	167	52261	46.53	ug/L	95
101) sec-Butylbenzene	7.494	105	476901	44.04	ug/L	99
102) 4-Isopropyltoluene	7.604	119	409642	47.71	ug/L	99
103) 1,3-Dichlorobenzene	7.659	146	216512	41.72	ug/L	98
104) 1,2,3-Trimethylbenzene	7.744	105	457286	44.53	ug/L	98
105) 1,4-Dichlorobenzene	7.726	146	222743	42.01	ug/L	99
106) n-Butylbenzene	7.921	92	243557	46.33	ug/L	100
107) Benzyl Chloride	7.909	126	52049	45.26	ug/L	99
108) 1,2-Dichlorobenzene	8.037	146	205916	41.99	ug/L	98
109) 1,2-Dibromo-3-Chloropr...	8.604	75	50141	44.24	ug/L	99
110) Hexachlorobutadiene	9.061	225	39192	47.19	ug/L	97
111) 1,2,4-Trichlorobenzene	9.079	180	103513	44.93	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86799.D
Acq On : 15 Aug 2024 12:35 pm
Operator : jeniferw
Sample : ICV4046-5 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 15 13:30:17 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 15 12:51:02 2024
Response via : Initial Calibration

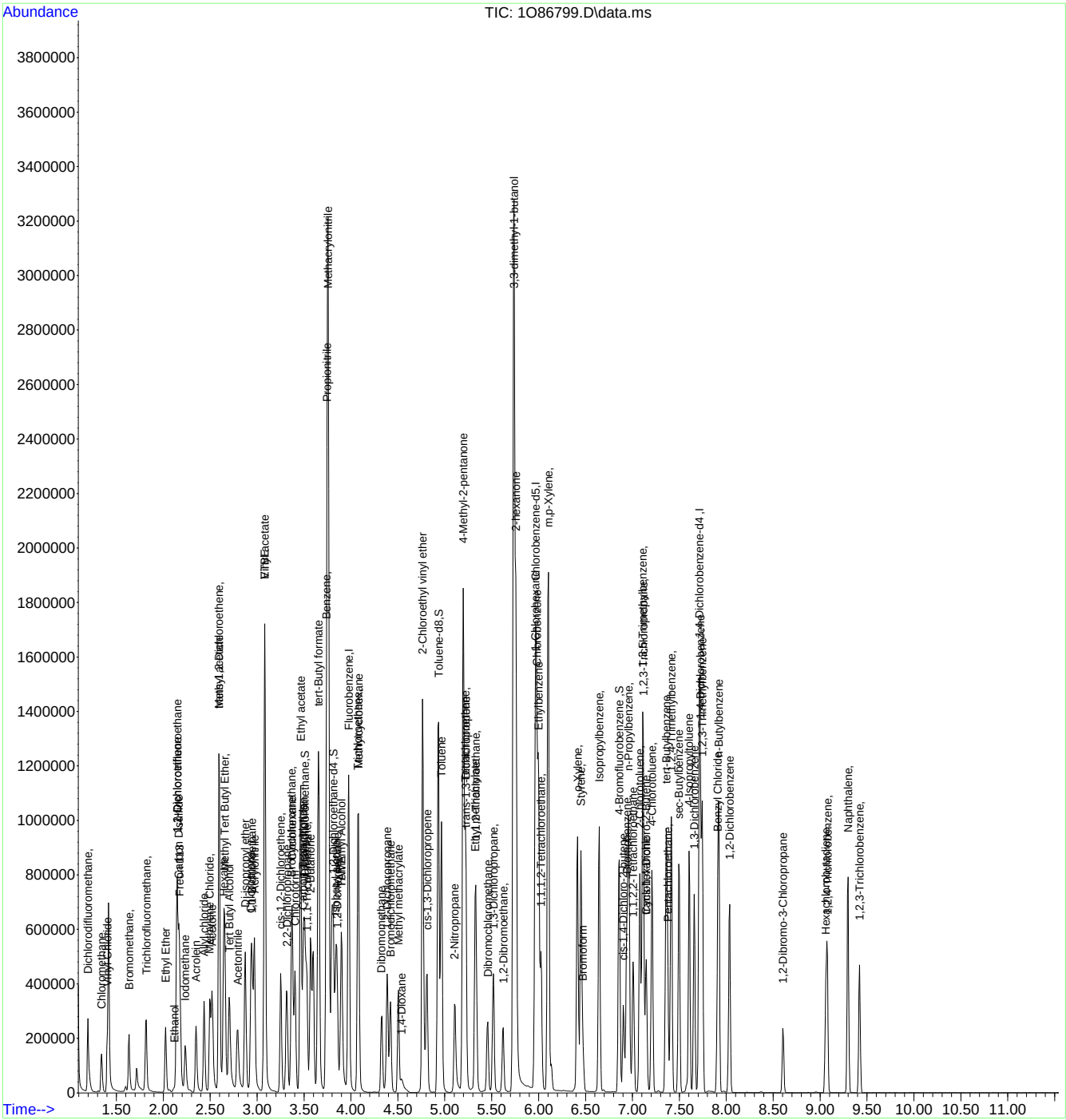
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112) Naphthalene	9.299	128	457190	45.27	ug/L	100
113) 1,2,3-Trichlorobenzene	9.421	180	93692	44.05	ug/L	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86799.D
Acq On : 15 Aug 2024 12:35 pm
Operator : jeniferw
Sample : ICV4046-5 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 15 13:30:17 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 15 12:51:02 2024
Response via : Initial Calibration



Manual Integration Approval Summary

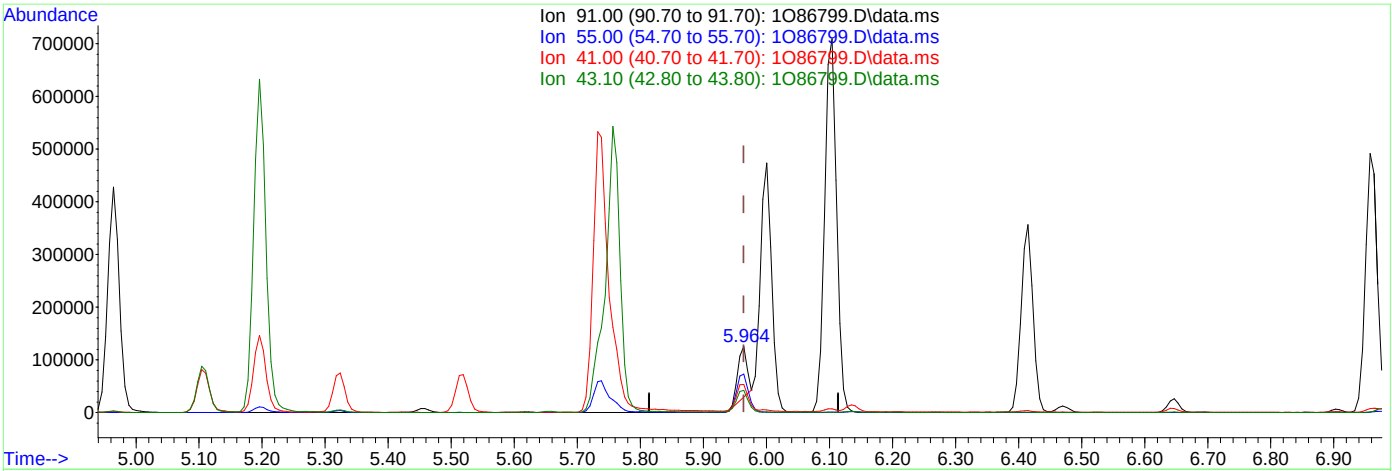
Sample Number: V1O4046-ICV4046 **Method:** SW846 8260D
Lab FileID: 1O86799.D **Analyst approved:** 08/15/24 13:51 Jenifer Willis
Injection Time: 08/15/24 12:35 **Supervisor approved:** 08/15/24 14:28 Karen Watson

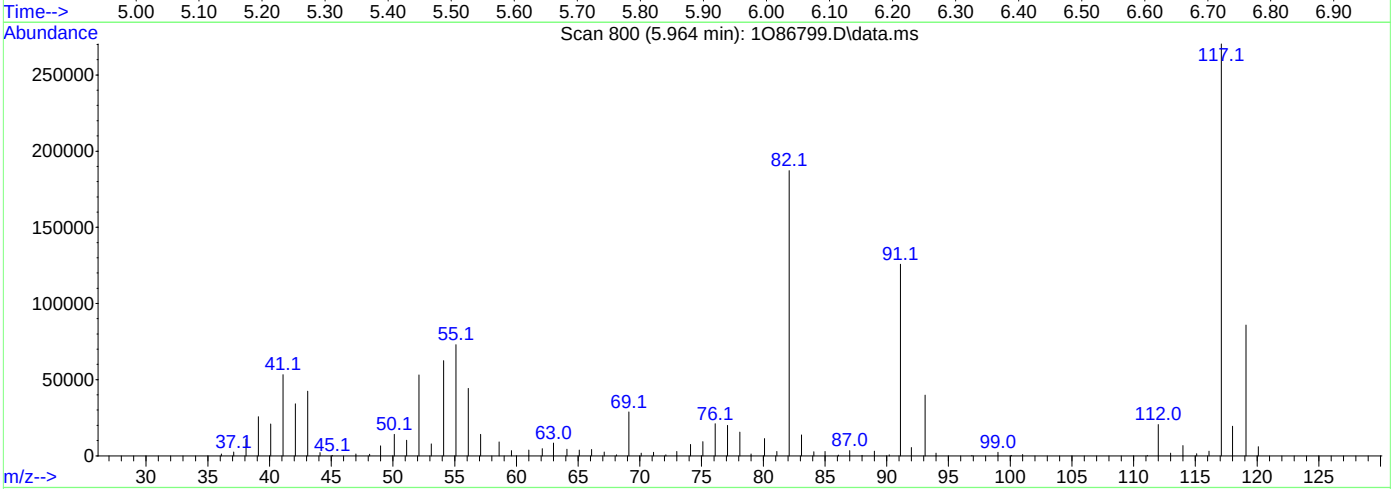
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.49	Overlapping peak
Isobutyl Alcohol	78-83-1		3.84	Poorly defined baseline
1-Chlorohexane	544-10-5		5.96	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86799.D
Acq On : 15 Aug 2024 12:35 pm
Operator : jeniferw
Sample : ICV4046-5 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 15 13:29:43 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 15 12:51:02 2024
Response via : Initial Calibration





TIC: 1O86799.D\data.ms

(76) 1-Chlorohexane

5.964min (-0.000) 27.49ug/L

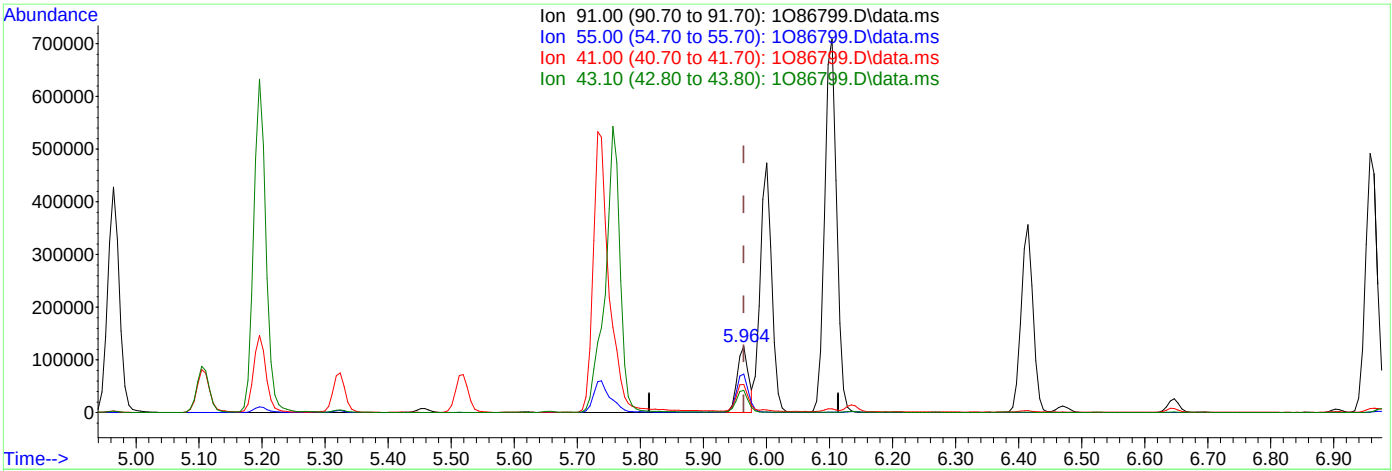
response 106075

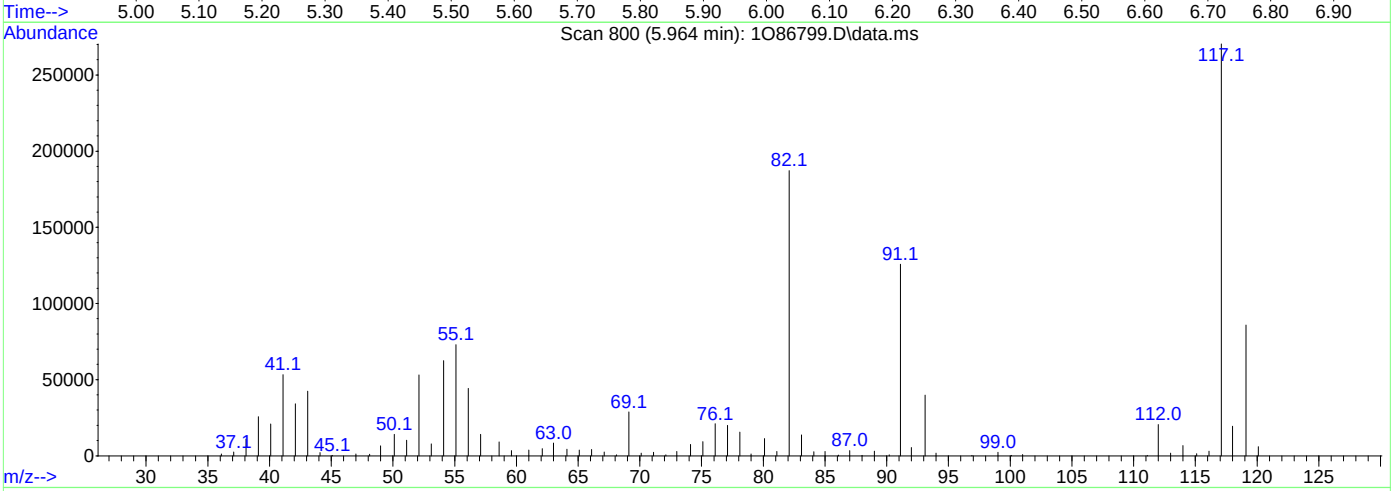
Ion	Exp%	Act%
91.00	100	100
55.00	61.00	57.35
41.00	43.40	39.40
43.10	34.90	32.74

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86799.D
Acq On : 15 Aug 2024 12:35 pm
Operator : jeniferw
Sample : ICV4046-5 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 15 13:29:43 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 15 12:51:02 2024
Response via : Initial Calibration





TIC: 1O86799.D\data.ms

(76) 1-Chlorohexane

5.964min (-0.000) 40.43ug/L m

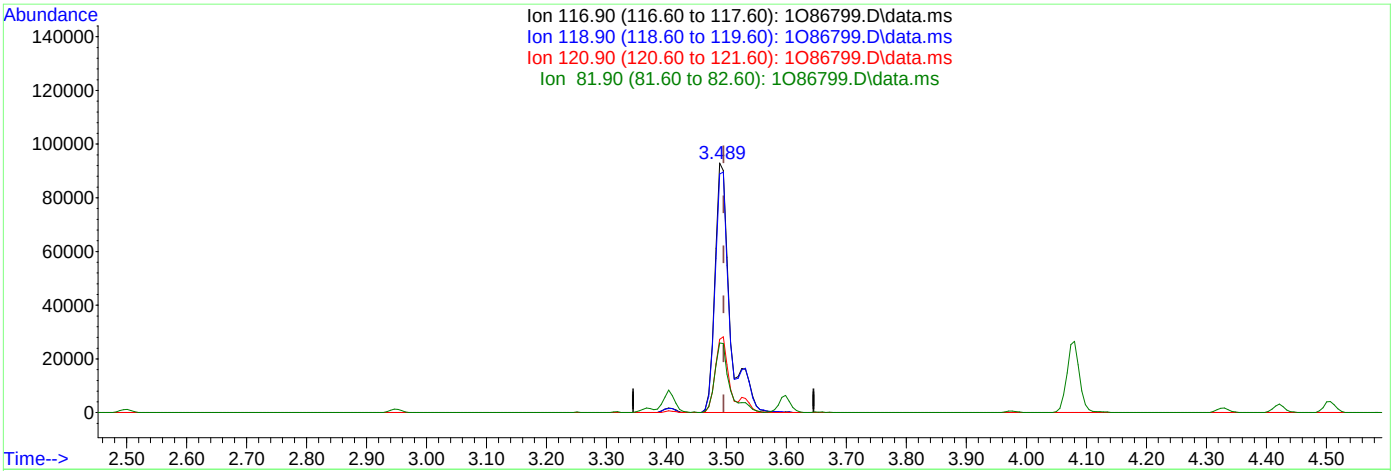
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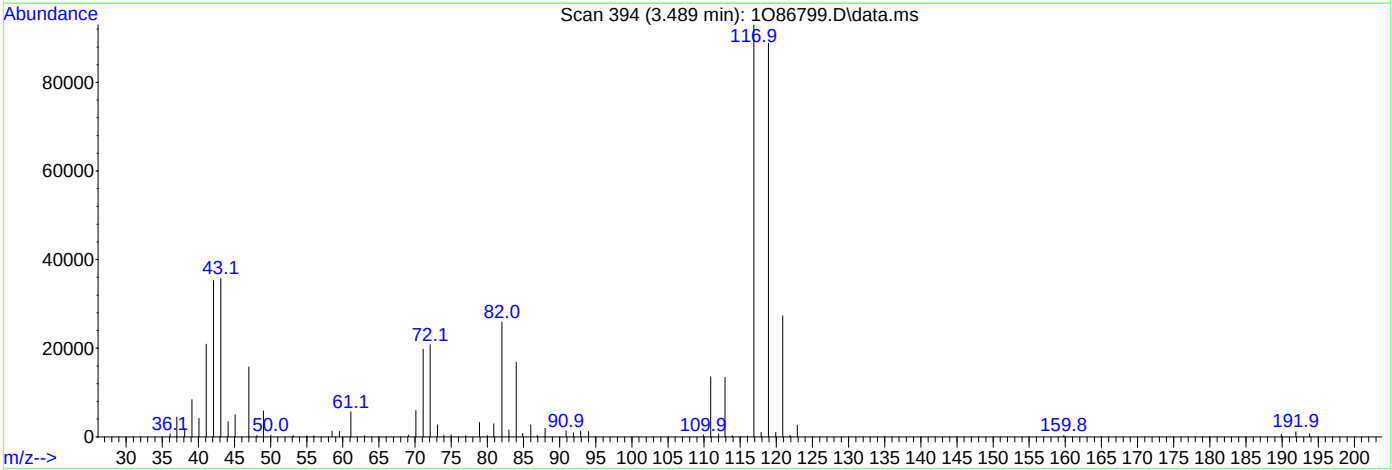
Ion	Exp%	Act%
91.00	100	100
55.00	61.00	58.05
41.00	43.40	42.42
43.10	34.90	33.80

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86799.D
Acq On : 15 Aug 2024 12:35 pm
Operator : jeniferw
Sample : ICV4046-5 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 15 13:29:43 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 15 12:51:02 2024
Response via : Initial Calibration





TIC: 1O86799.D\data.ms

(40) Carbon Tetrachloride ( )

3.489min (-0.006) 56.46ug/L

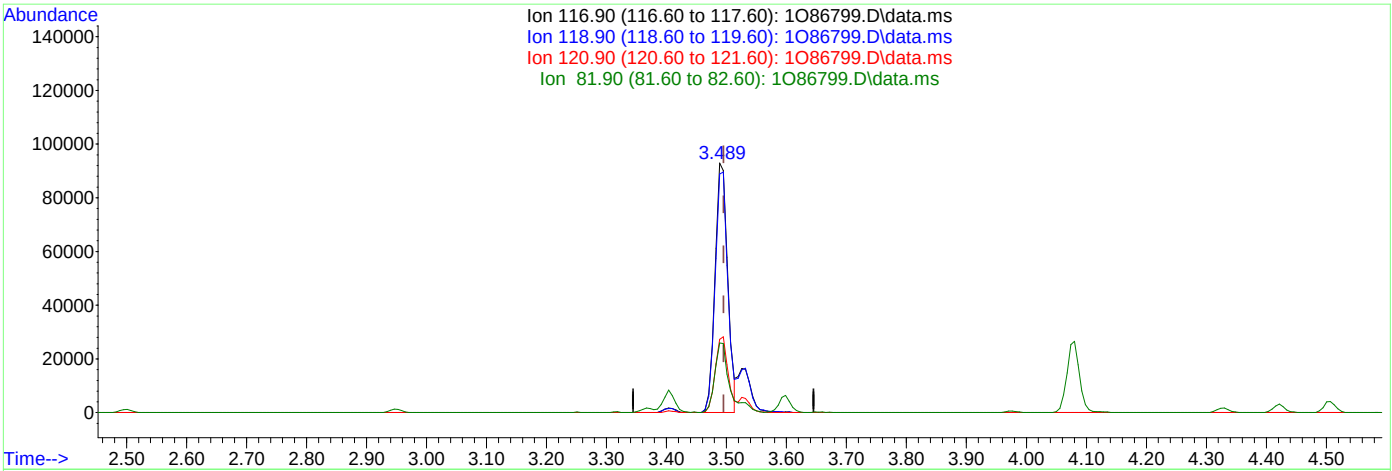
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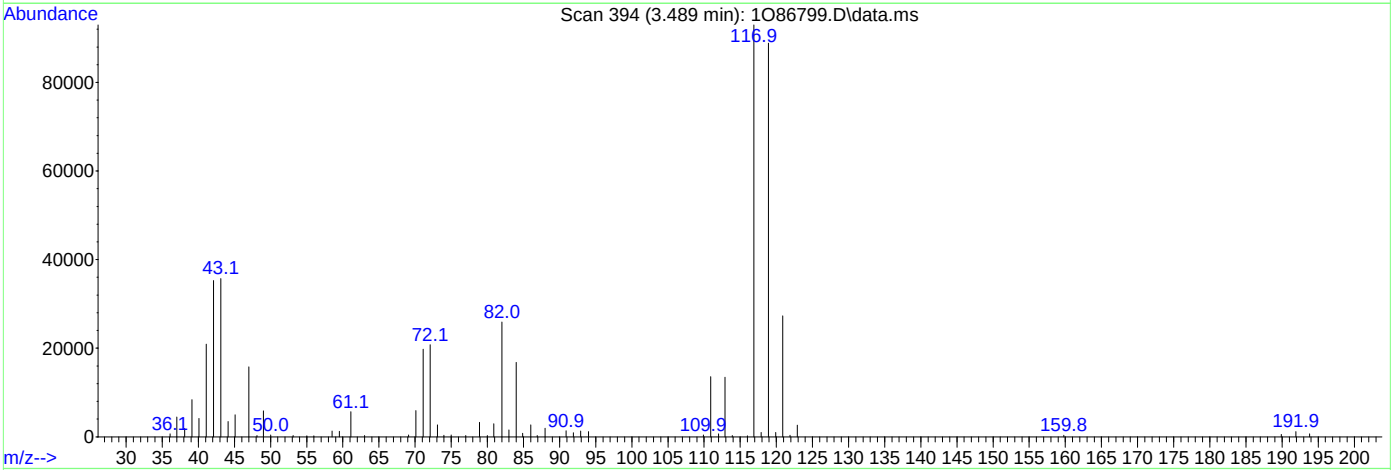
Ion	Exp%	Act%
116.90	100	100
118.90	99.70	95.52
120.90	31.50	29.36
81.90	28.20	27.87

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86799.D
Acq On : 15 Aug 2024 12:35 pm
Operator : jeniferw
Sample : ICV4046-5 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 15 13:29:43 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 15 12:51:02 2024
Response via : Initial Calibration





TIC: 1O86799.D\data.ms

(40) Carbon Tetrachloride ( )

3.489min (-0.006) 47.63ug/L m

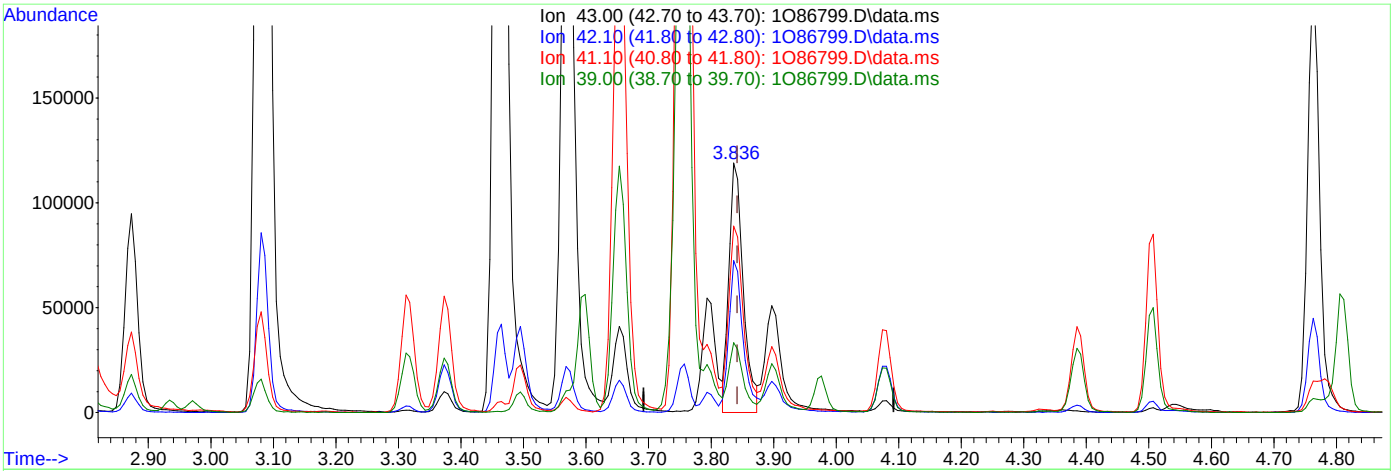
response 137152

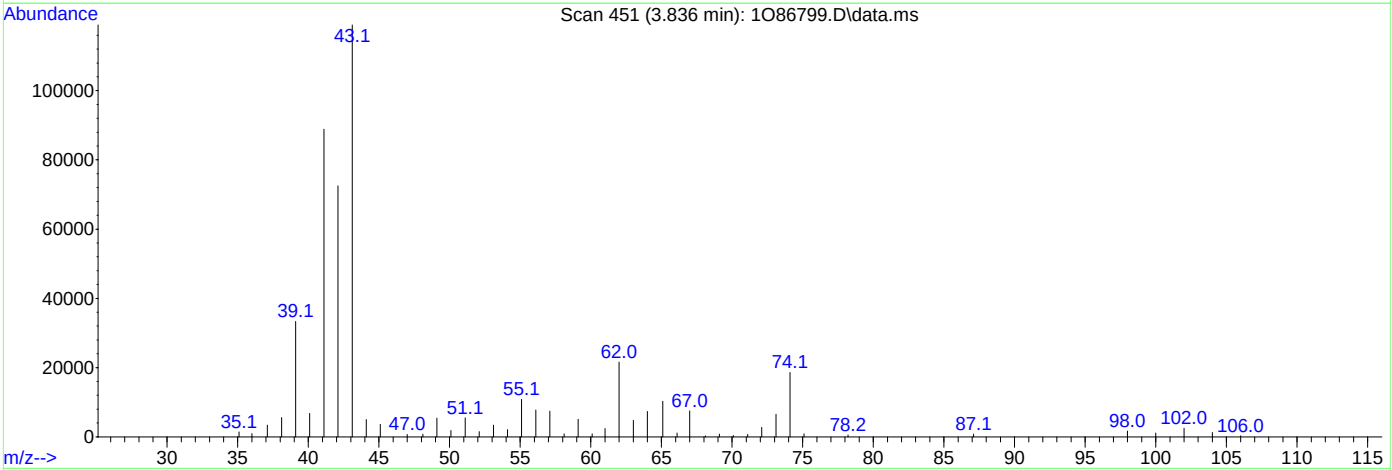
Ion	Exp%	Act%
116.90	100	100
118.90	99.70	95.52
120.90	31.50	29.36
81.90	28.20	27.87

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86799.D
Acq On : 15 Aug 2024 12:35 pm
Operator : jeniferw
Sample : ICV4046-5 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 15 13:29:43 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 15 12:51:02 2024
Response via : Initial Calibration





TIC: 1O86799.D\data.ms

(49) Isobutyl alcohol

3.836min (-0.006) 890.47ug/L m

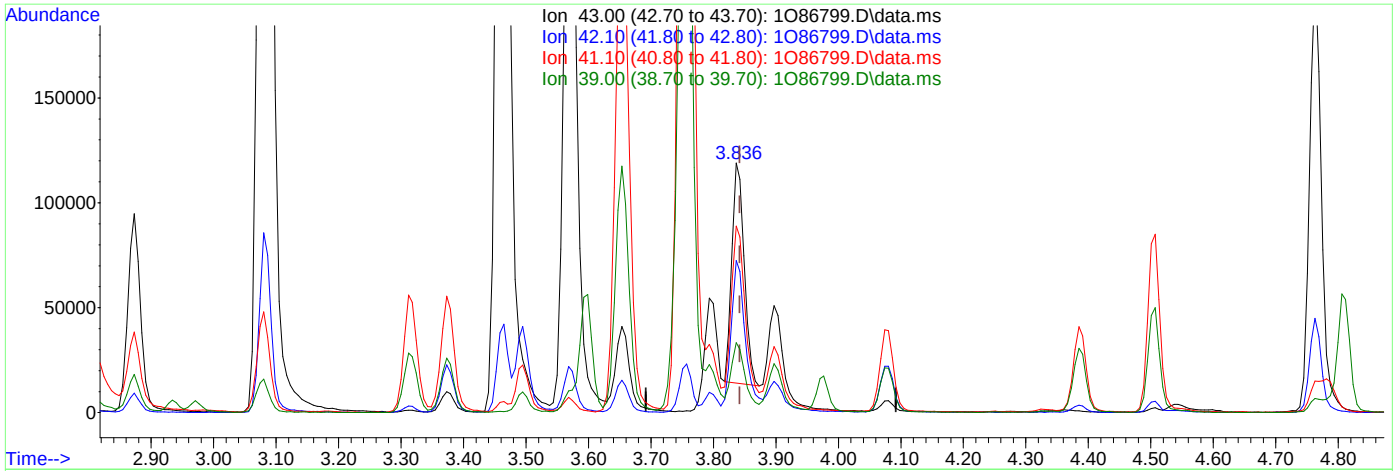
response 189161

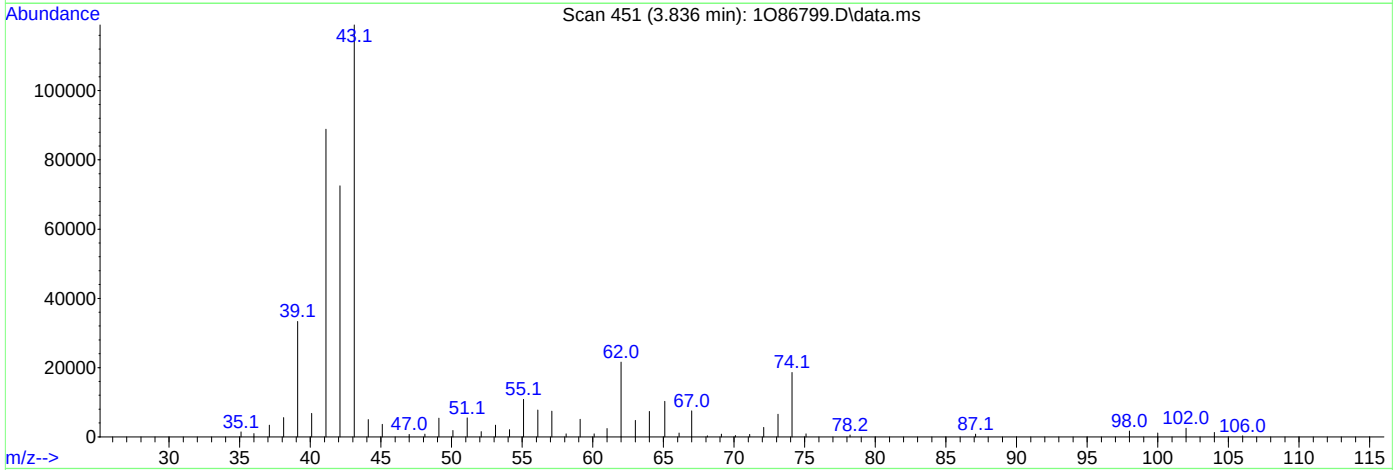
Ion	Exp%	Act%
43.00	100	100
42.10	60.40	60.94
41.10	76.50	74.68
39.00	27.90	27.99

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86799.D
Acq On : 15 Aug 2024 12:35 pm
Operator : jeniferw
Sample : ICV4046-5 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 15 13:29:43 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 15 12:51:02 2024
Response via : Initial Calibration





TIC: 1O86799.D\data.ms

(49) Isobutyl alcohol

3.836min (-0.006) 677.93ug/L

response 144013

Ion	Exp%	Act%
43.00	100	100
42.10	60.40	62.23
41.10	76.50	74.59
39.00	27.90	27.66

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86800.D
Acq On : 15 Aug 2024 1:10 pm
Operator : jeniferw
Sample : ICV4046-4 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 15 13:32:39 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 15 12:51:02 2024
Response via : Initial Calibration

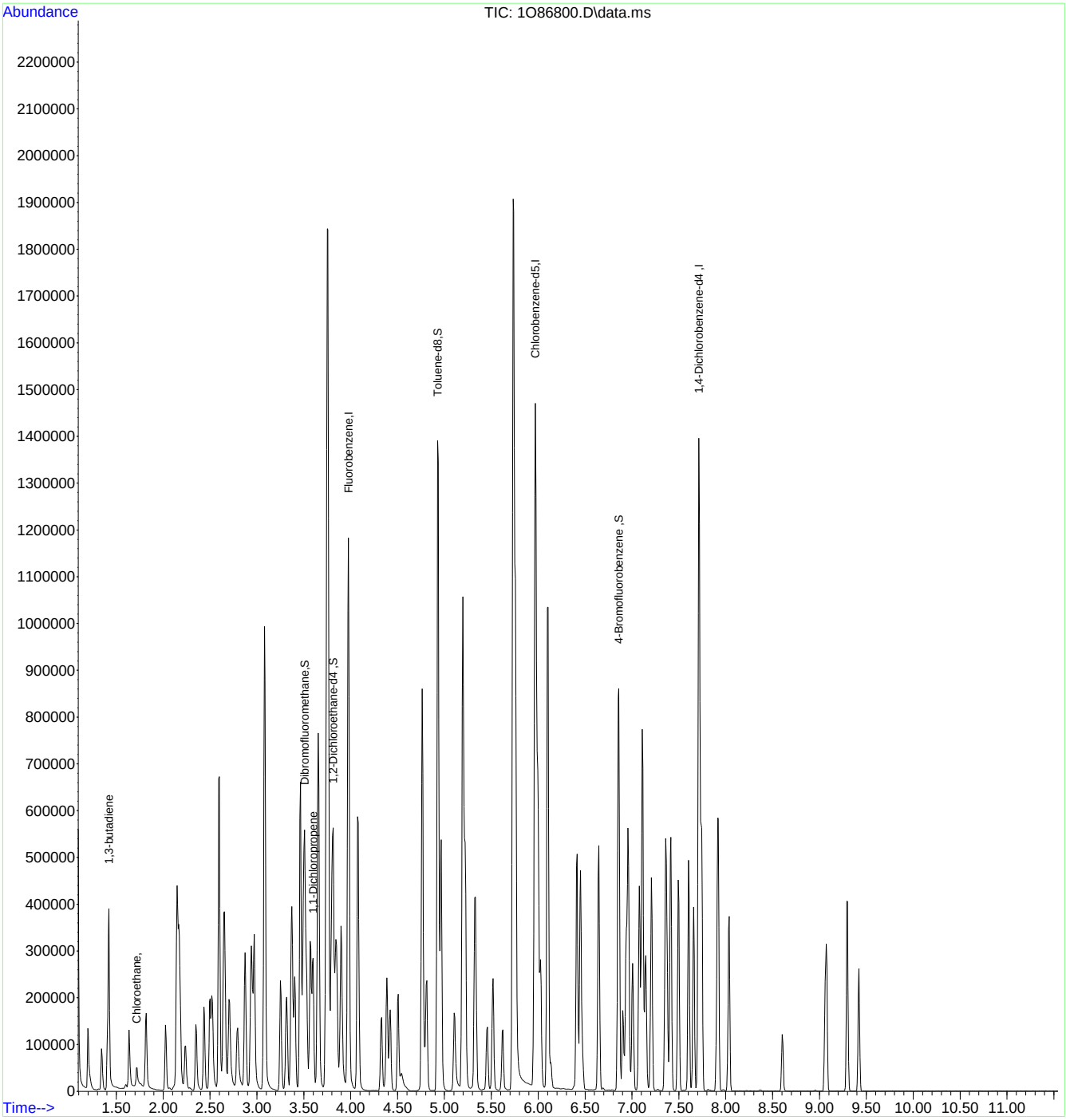
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.977	96	774155	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.970	117	493863	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.714	152	232807	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.507	113	191433	50.91	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.82%			
50) 1,2-Dichloroethane-d4	3.812	65	240162	50.65	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 101.30%			
63) Toluene-d8	4.928	98	751953	50.23	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.46%			
86) 4-Bromofluorobenzene	6.860	174	172312	49.61	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.22%			
Target Compounds						Qvalue
4) 1,3-butadiene	1.422	39	94874	38.80	ug/L	99
7) Chloroethane	1.715	64	27332	27.77	ug/L	100
43) 1,1-Dichloropropene	3.599	75	100898	25.87	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\081524\
Data File : 1O86800.D
Acq On : 15 Aug 2024 1:10 pm
Operator : jeniferw
Sample : ICV4046-4 Inst : MSVOA12-O
Misc : MS57271,V1O4046,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 15 13:32:39 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 15 12:51:02 2024
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
10/01/24 08:55

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\093024\
Data File : 1O87882.D
Acq On : 30 Sep 2024 6:22 am
Operator : jeniferw
Sample : CC4046-5 Inst : MSVOA12-O
Misc : MS57595,V1O4089,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 30 07:12:57 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Aug 15 12:51:02 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.970	96	715114	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.964	117	483584	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.707	152	242711	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.501	113	186480	53.69	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 107.38%			
50) 1,2-Dichloroethane-d4	3.806	65	221850	50.65	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 101.30%			
63) Toluene-d8	4.927	98	706945	48.23	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 96.46%			
86) 4-Bromofluorobenzene	6.854	174	171543	47.38	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 94.76%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.196	85	185700	46.98	ug/L	100
3) Chloromethane	1.343	50	109040	40.96	ug/L	100
4) 1,3-butadiene	1.416	39	80497	35.64	ug/L	100
5) Vinyl Chloride	1.404	62	144786	45.14	ug/L	99
6) Bromomethane	1.629	94	58043	32.95	ug/L	98
7) Chloroethane	1.715	64	32032	35.23	ug/L	98
8) Trichlorofluoromethane	1.812	101	190274	50.98	ug/L	99
9) Ethyl Ether	2.026	59	91829	43.16	ug/L	97
10) Ethanol	2.123	45	37293	959.16	ug/L	96
11) 1,2-Dichlorotrifluoroe...	2.141	67	147116	45.22	ug/L	98
12) 1,1-Dichloroethene	2.141	61	164750	45.65	ug/L	98
13) Freon 113	2.172	101	115376	47.71	ug/L	98
14) Carbon Disulfide	2.160	76	364640	45.12	ug/L	98
15) Iodomethane	2.233	142	69052	23.34	ug/L	100
16) Acrolein	2.349	56	143496	208.83	ug/L	100
17) Allyl chloride	2.428	41	119485	41.64	ug/L	97
18) Methylene Chloride	2.495	49	123279	45.06	ug/L	96
19) Acetone	2.519	43	256493	201.23	ug/L	98
20) Methyl acetate	2.593	43	618651	215.89	ug/L	98
21) trans-1,2-Dichloroethene	2.586	61	163639	44.36	ug/L	96
22) Hexane	2.641	56	79689	45.58	ug/L	97
23) Methyl Tert Butyl Ether	2.654	73	368431	42.48	ug/L	98
24) Tert Butyl Alcohol	2.702	59	295153	379.45	ug/L	92
25) Acetonitrile	2.788	41	194625	464.57	ug/L	99
26) Di-isopropyl ether	2.873	45	287412	42.54	ug/L	96
27) Chloroprene	2.934	53	127606	42.75	ug/L	98
28) 1,1-Dichloroethane	2.946	63	212435	44.29	ug/L	99
29) Acrylonitrile	2.964	52	270623	217.03	ug/L	100
30) ETBE	3.074	59	319187	42.54	ug/L	97
31) Vinyl acetate	3.080	43	1145683	234.17	ug/L	99
32) cis-1,2-Dichloroethene	3.251	96	135118	45.73	ug/L	98
33) 2,2-Dichloropropane	3.312	77	166190	41.81	ug/L	99
34) Bromochloromethane	3.361	128	56665	42.05	ug/L	96
35) Cyclohexane	3.367	56	158558	43.91	ug/L	99
36) Chloroform	3.397	83	249869	45.84	ug/L	100
37) Ethyl acetate	3.458	43	840862	216.37	ug/L	99
38) Tetrahydrofuran	3.489	42	56869	37.64	ug/L	95
40) Carbon Tetrachloride	3.489	117	146718m	54.31	ug/L	
41) 1,1,1-Trichloroethane	3.525	97	195003	47.71	ug/L	98
42) 2-Butanone	3.568	43	458745	206.15	ug/L	99
43) 1,1-Dichloropropene	3.592	75	163280	45.32	ug/L	98
44) tert-Butyl formate	3.653	59	279099	177.78	ug/L	91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\093024\
Data File : 1O87882.D
Acq On : 30 Sep 2024 6:22 am
Operator : jeniferw
Sample : CC4046-5 Inst : MSVOA12-O
Misc : MS57595,V1O4089,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 30 07:12:57 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Aug 15 12:51:02 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Propionitrile	3.739	54	280967	421.10	ug/L		92
46) Methacrylonitrile	3.751	41	907862	428.84	ug/L		99
47) Benzene	3.733	78	525737	43.50	ug/L		100
48) TAME	3.897	73	164318	42.34	ug/L		88
49) Isobutyl alcohol	3.836	43	189699m	952.01	ug/L		
51) 1,2-Dichloroethane	3.848	62	172090	46.54	ug/L		99
52) Tert Amyl Alcohol	3.897	59	225918	420.83	ug/L		92
53) Trichloroethene	4.074	95	136223	44.24	ug/L		99
54) Methylcyclohexane	4.074	83	192482	46.31	ug/L		96
55) Dibromomethane	4.324	93	87424	46.50	ug/L		98
56) 1,2-Dichloropropane	4.379	63	119199	43.78	ug/L		96
57) Bromodichloromethane	4.415	83	174620	51.85	ug/L		95
58) Methyl methacrylate	4.501	41	103021	43.42	ug/L		99
59) 1,4-Dioxane	4.537	88	50955	910.90	ug/L		99
60) 2-Chloroethyl vinyl ether	4.757	63	447677	204.36	ug/L		99
61) cis-1,3-Dichloropropene	4.806	75	201573	48.24	ug/L		99
64) Toluene	4.958	91	537533	41.93	ug/L		99
65) 2-Nitropropane	5.098	41	170310	322.98	ug/L		95
66) 4-Methyl-2-pentanone	5.190	43	832185	212.36	ug/L		99
67) trans-1,3-Dichloropropene	5.220	75	198727	46.98	ug/L		98
68) Tetrachloroethene	5.214	166	110569	43.84	ug/L		97
69) Ethyl methacrylate	5.318	69	175109	39.77	ug/L		99
70) 1,1,2-Trichloroethane	5.330	83	107600	42.57	ug/L		97
71) Dibromochloromethane	5.452	129	118352	49.40	ug/L		99
72) 1,3-Dichloropropane	5.513	76	215110	42.15	ug/L		98
73) 1,2-Dibromoethane	5.616	107	125987	44.13	ug/L		98
74) 3,3-dimethyl-1-butanol	5.732	57	1387644	2135.33	ug/L		100
75) 2-hexanone	5.750	43	880126	217.36	ug/L		95
76) 1-Chlorohexane	5.958	91	155295m	40.88	ug/L		
77) Ethylbenzene	5.994	91	601486	43.46	ug/L		99
78) Chlorobenzene	5.976	112	332041	43.11	ug/L		98
79) 1,1,1,2-Tetrachloroethane	6.019	131	102826	50.12	ug/L		99
80) m,p-Xylene	6.098	91	940523	88.94	ug/L		99
81) o-Xylene	6.409	91	468121	44.71	ug/L		99
82) Styrene	6.445	104	352338	46.80	ug/L		99
83) Bromoform	6.464	173	66599	51.57	ug/L		98
84) Isopropylbenzene	6.641	105	519135	45.60	ug/L		99
87) cis-1,4-Dichloro-2-butene	6.897	53	49703	42.89	ug/L		95
88) n-Propylbenzene	6.951	91	643268	42.46	ug/L		100
89) Bromobenzene	6.933	156	123069	41.33	ug/L		98
90) 1,1,2,2-Tetrachloroethane	7.000	83	206214	41.26	ug/L		99
91) 1,3,5-Trimethylbenzene	7.104	105	441472	44.43	ug/L		100
92) 2-Chlorotoluene	7.073	91	448076	41.84	ug/L		99
93) trans-1,4-Dichloro-2-B...	7.134	53	42717	41.84	ug/L		93
94) 1,2,3-Trichloropropane	7.104	110	65390	41.46	ug/L		98
95) Cyclohexanone	7.140	55	40853	196.84	ug/L		97
96) 4-Chlorotoluene	7.201	91	423784	42.32	ug/L		98
97) tert-Butylbenzene	7.354	91	256962	44.29	ug/L		99
99) 1,2,4-Trimethylbenzene	7.409	105	440237	45.24	ug/L		99
100) Pentachloroethane	7.366	167	56819	48.61	ug/L	#	68
101) sec-Butylbenzene	7.488	105	504666	45.08	ug/L		99
102) 4-Isopropyltoluene	7.598	119	418697	47.17	ug/L		98
103) 1,3-Dichlorobenzene	7.653	146	229226	42.74	ug/L		97
104) 1,2,3-Trimethylbenzene	7.738	105	454868	42.86	ug/L		99
105) 1,4-Dichlorobenzene	7.720	146	236228	43.11	ug/L		97
106) n-Butylbenzene	7.909	92	242449	44.62	ug/L	#	81
107) Benzyl Chloride	7.903	126	51942	43.99	ug/L	#	67
108) 1,2-Dichlorobenzene	8.024	146	218994	43.21	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\093024\
Data File : 1O87882.D
Acq On : 30 Sep 2024 6:22 am
Operator : jeniferw
Sample : CC4046-5 Inst : MSVOA12-O
Misc : MS57595,V1O4089,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 30 07:12:57 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Aug 15 12:51:02 2024
Response via : Initial Calibration

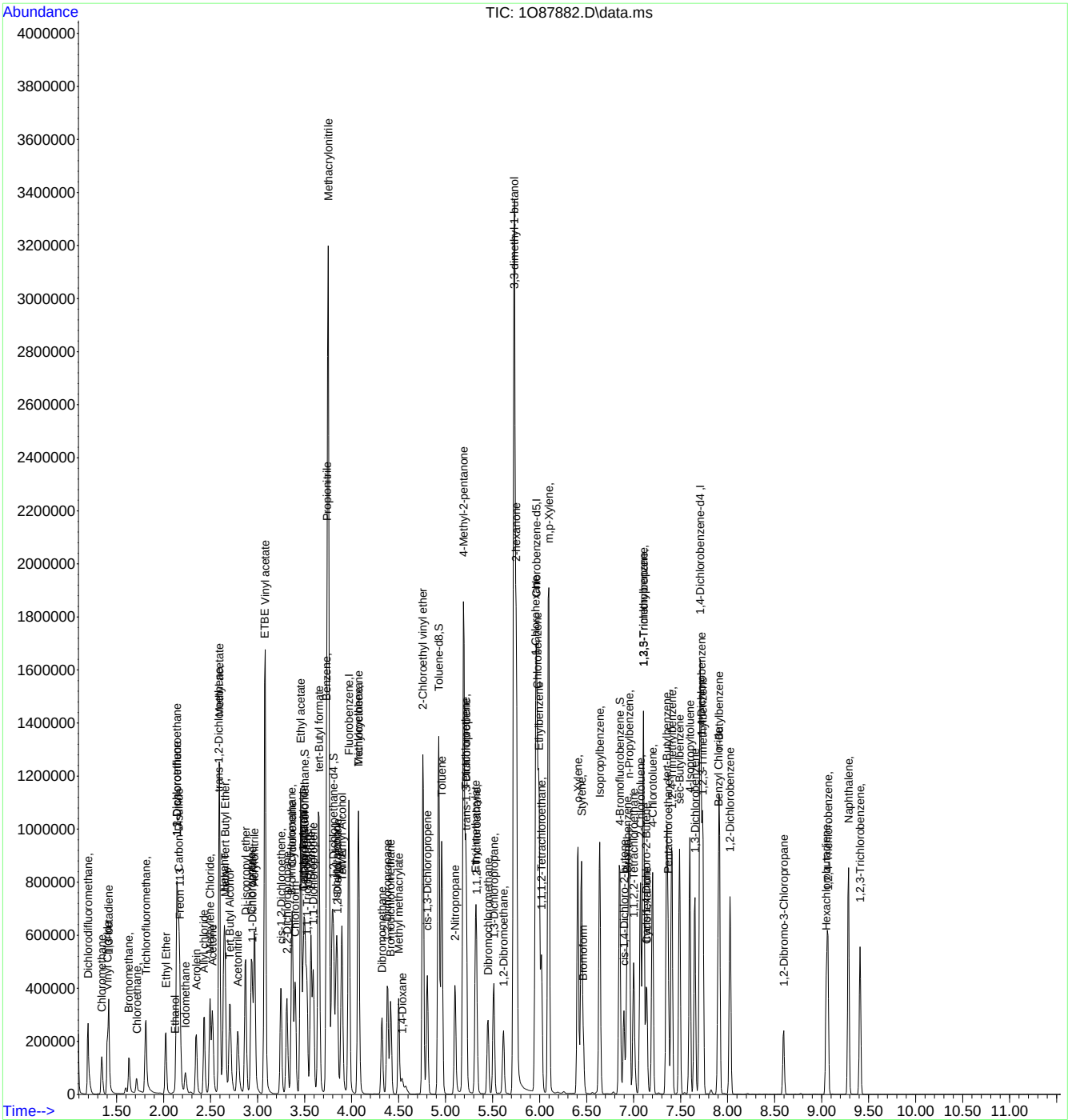
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
109) 1,2-Dibromo-3-Chloropr...	8.598	75	51975	44.35	ug/L	91
110) Hexachlorobutadiene	9.049	225	43185	50.30	ug/L	93
111) 1,2,4-Trichlorobenzene	9.067	180	113768	47.78	ug/L	97
112) Naphthalene	9.286	128	473946	45.40	ug/L	100
113) 1,2,3-Trichlorobenzene	9.408	180	107923	49.09	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\093024\
Data File : 1O87882.D
Acq On : 30 Sep 2024 6:22 am
Operator : jeniferw
Sample : CC4046-5 Inst : MSVOA12-O
Misc : MS57595,V1O4089,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 30 07:12:57 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Aug 15 12:51:02 2024
Response via : Initial Calibration



Manual Integration Approval Summary

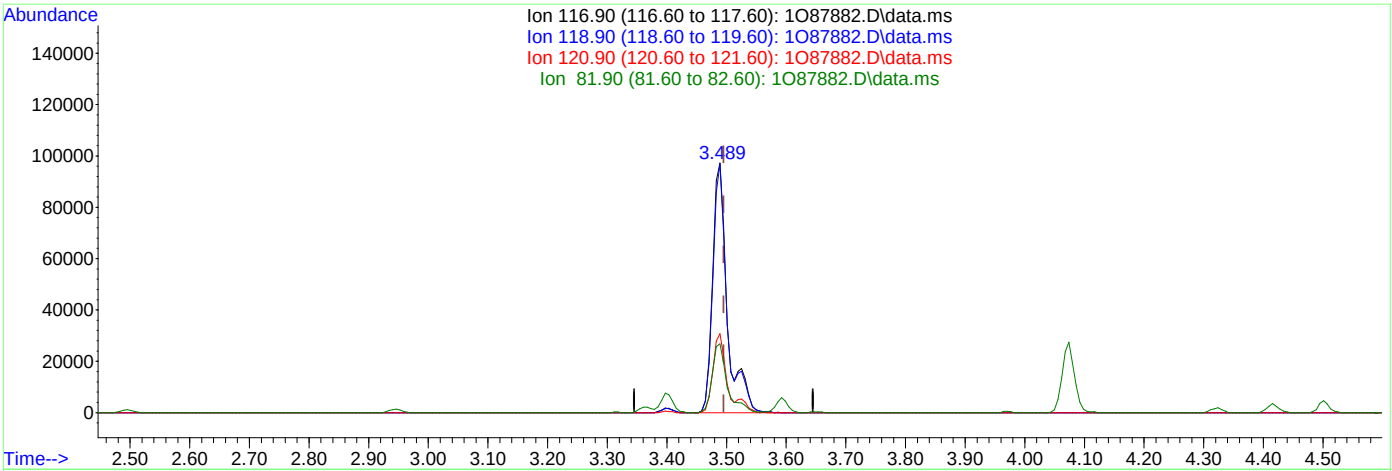
Sample Number: V1O4089-CC4046
Lab FileID: 1O87882.D
Injection Time: 09/30/24 06:22
Method: SW846 8260D
Analyst approved: 09/30/24 08:57 Jenifer Willis
Supervisor approved: 10/01/24 08:55 Karen Watson

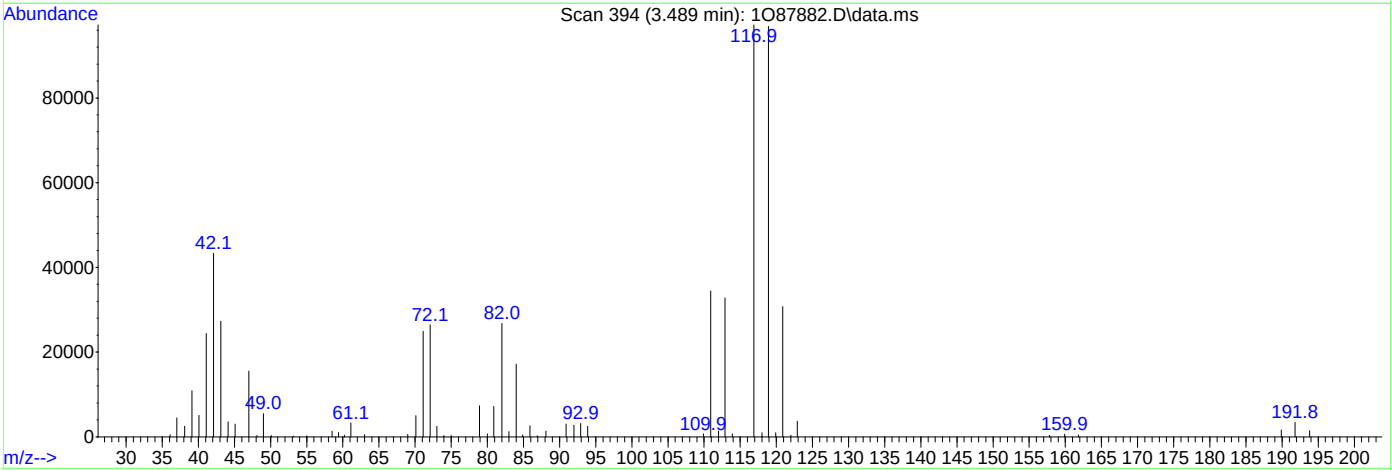
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.49	Overlapping peak
Isobutyl Alcohol	78-83-1		3.84	Poorly defined baseline
1-Chlorohexane	544-10-5		5.96	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\093024\
Data File : 1O87882.D
Acq On : 30 Sep 2024 6:22 am
Operator : jeniferw
Sample : CC4046-5 Inst : MSVOA12-O
Misc : MS57595,V1O4089,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 30 07:12:24 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Aug 15 12:51:02 2024
Response via : Initial Calibration





TIC: 1O87882.D\data.ms

(40) Carbon Tetrachloride ( )

3.489min (-0.006) 62.23ug/L

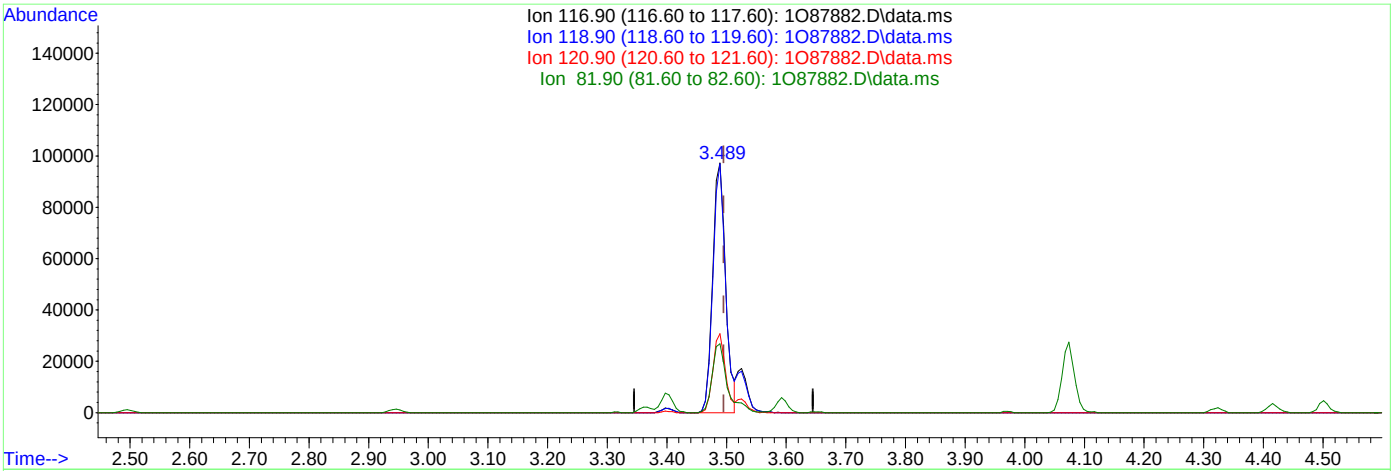
response 168109

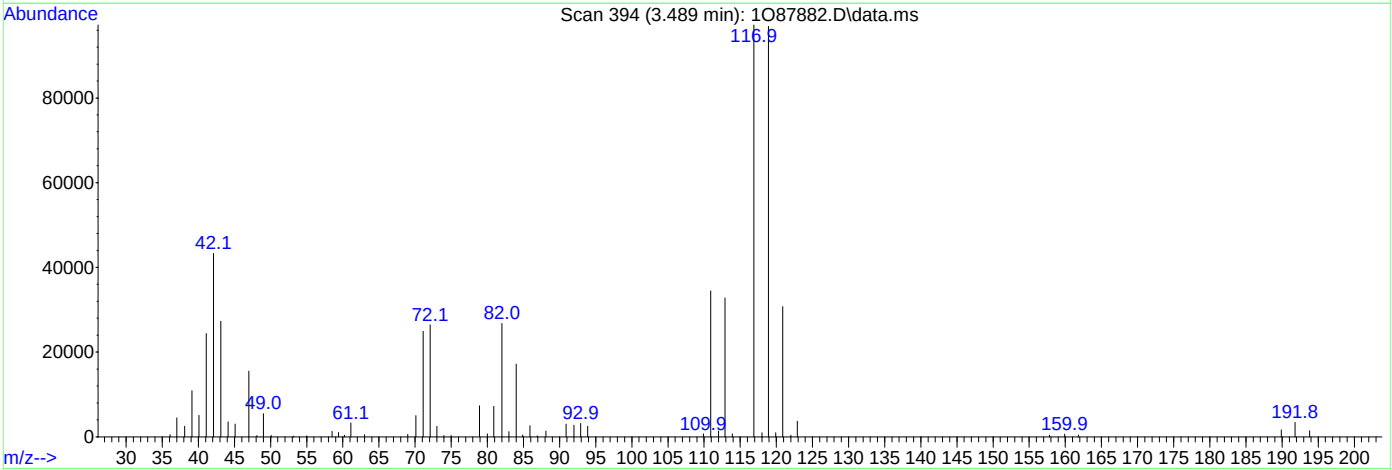
Ion	Exp%	Act%
116.90	100	100
118.90	99.70	99.65
120.90	31.50	31.60
81.90	28.20	27.53

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\093024\
Data File : 1O87882.D
Acq On : 30 Sep 2024 6:22 am
Operator : jeniferw
Sample : CC4046-5 Inst : MSVOA12-O
Misc : MS57595,V1O4089,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 30 07:12:24 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Aug 15 12:51:02 2024
Response via : Initial Calibration





TIC: 1O87882.D\data.ms

(40) Carbon Tetrachloride ( )

3.489min (-0.006) 54.31ug/L m

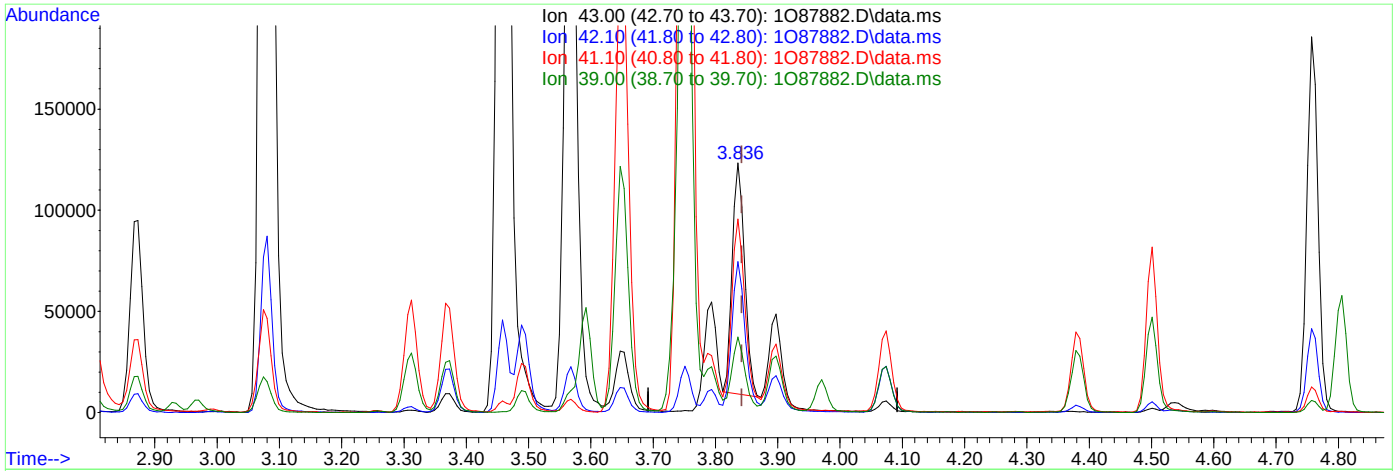
response 146718

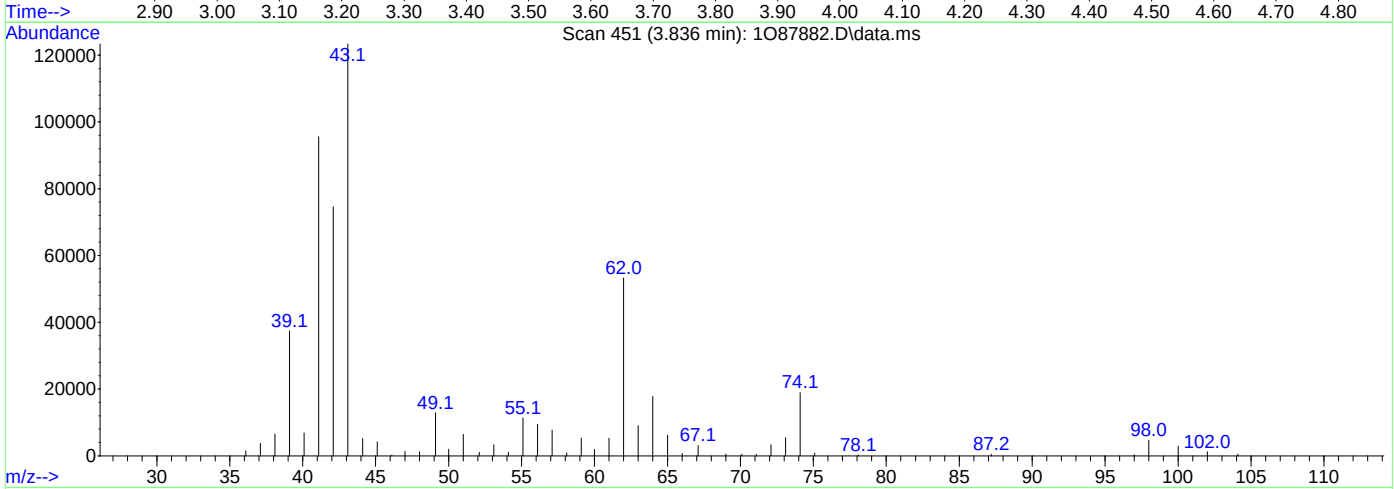
Ion	Exp%	Act%
116.90	100	100
118.90	99.70	99.65
120.90	31.50	31.60
81.90	28.20	27.53

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\093024\
Data File : 1O87882.D
Acq On : 30 Sep 2024 6:22 am
Operator : jeniferw
Sample : CC4046-5 Inst : MSVOA12-O
Misc : MS57595,V1O4089,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 30 07:12:24 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Aug 15 12:51:02 2024
Response via : Initial Calibration





TIC: 1O87882.D\data.ms

(49) Isobutyl alcohol

3.836min (-0.006) 789.19ug/L

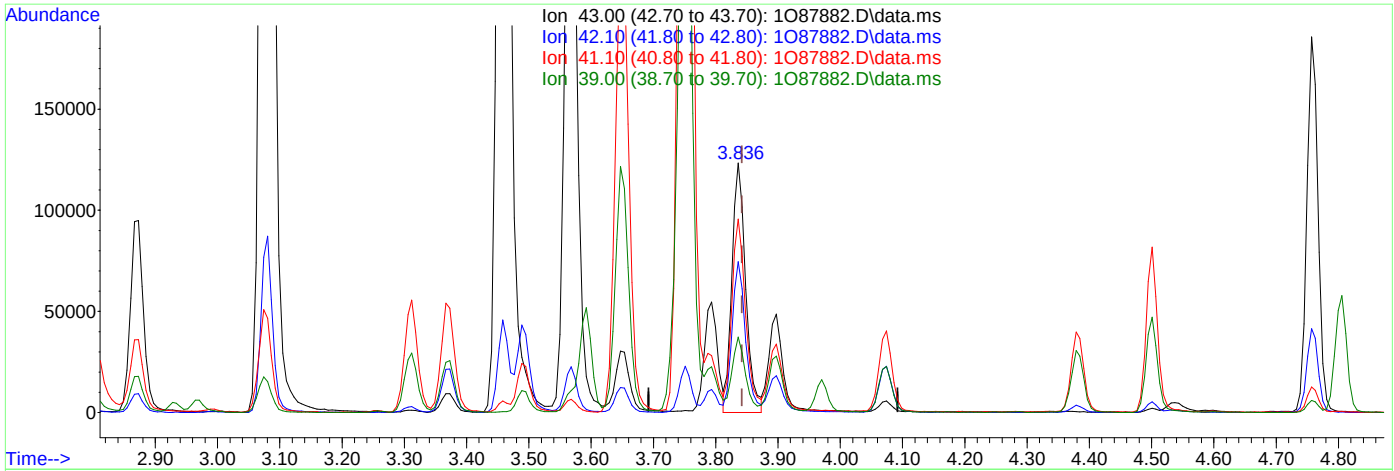
response 157256

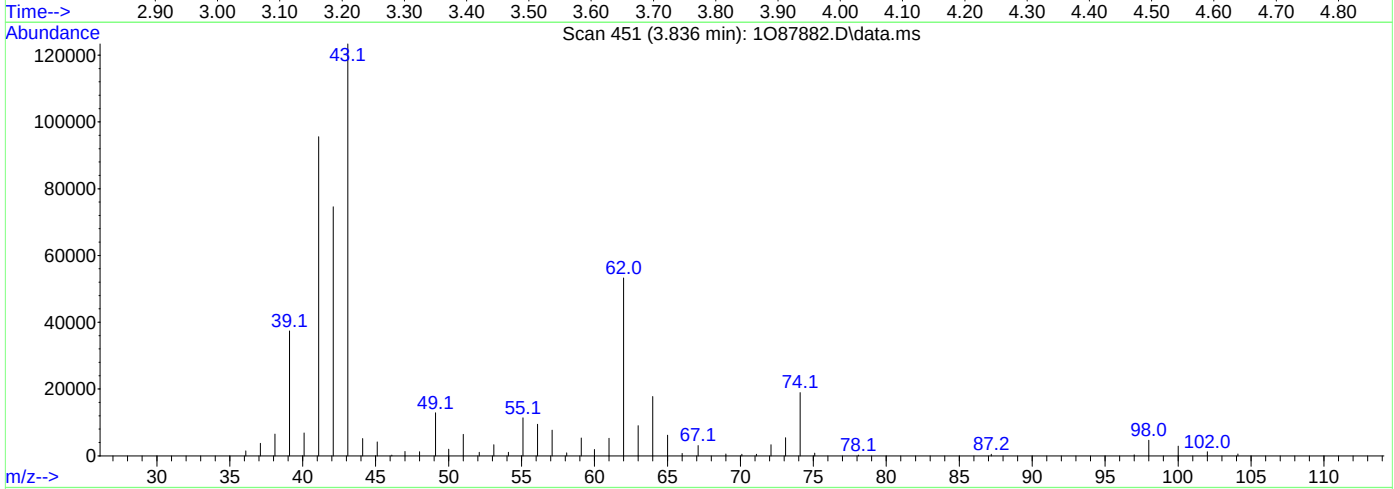
Ion	Exp%	Act%
43.00	100	100
42.10	60.40	61.19
41.10	76.50	76.94
39.00	27.90	29.12

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\093024\
Data File : 1O87882.D
Acq On : 30 Sep 2024 6:22 am
Operator : jeniferw
Sample : CC4046-5 Inst : MSVOA12-O
Misc : MS57595,V1O4089,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 30 07:12:24 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Aug 15 12:51:02 2024
Response via : Initial Calibration





TIC: 1O87882.D\data.ms

(49) Isobutyl alcohol

3.836min (-0.006) 952.01ug/L m

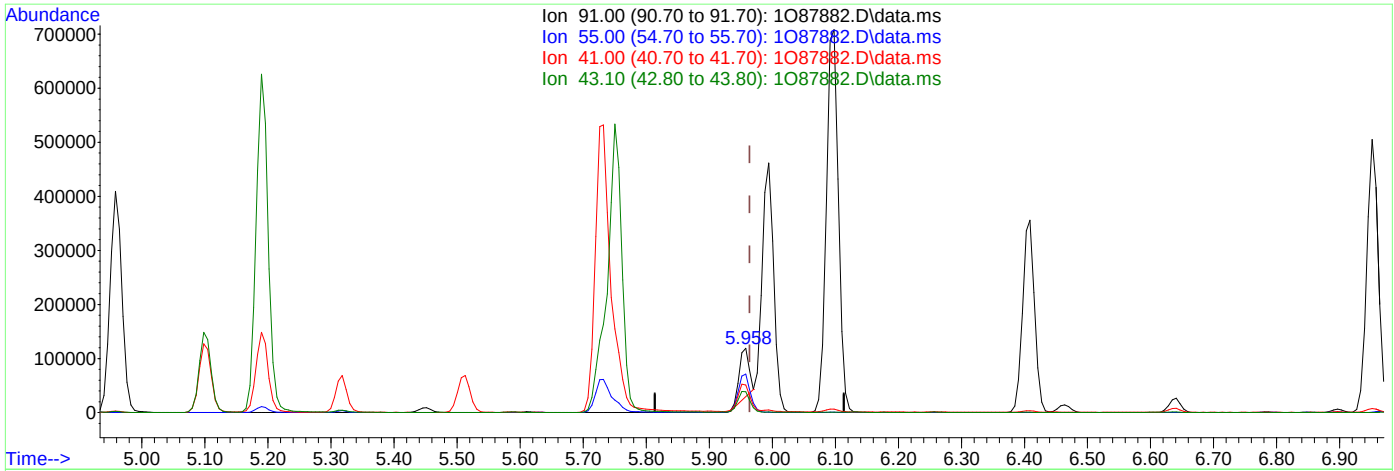
response 189699

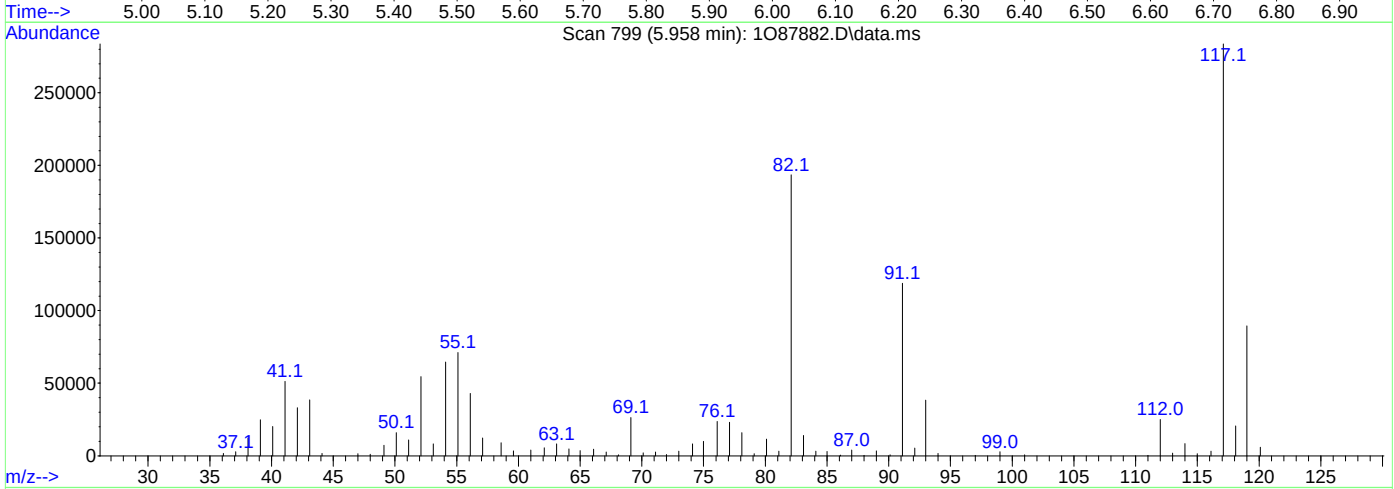
Ion	Exp%	Act%
43.00	100	100
42.10	60.40	60.45
41.10	76.50	77.45
39.00	27.90	30.28

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\093024\
Data File : 1O87882.D
Acq On : 30 Sep 2024 6:22 am
Operator : jeniferw
Sample : CC4046-5 Inst : MSVOA12-O
Misc : MS57595,V1O4089,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 30 07:12:24 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Aug 15 12:51:02 2024
Response via : Initial Calibration





TIC: 1O87882.D\data.ms

(76) 1-Chlorohexane

5.958min (-0.006) 27.73ug/L

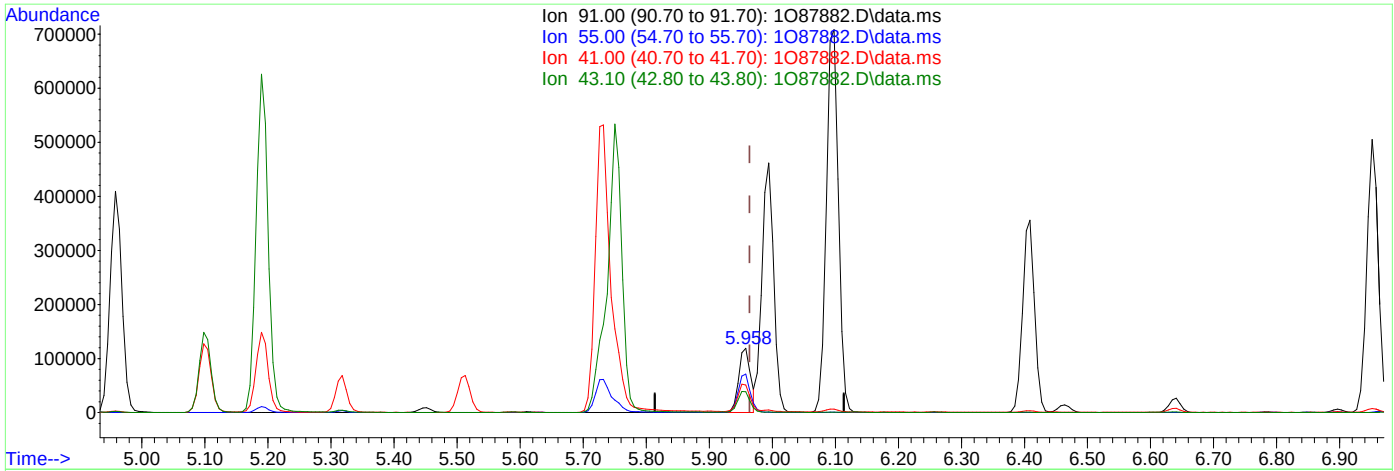
response 105360

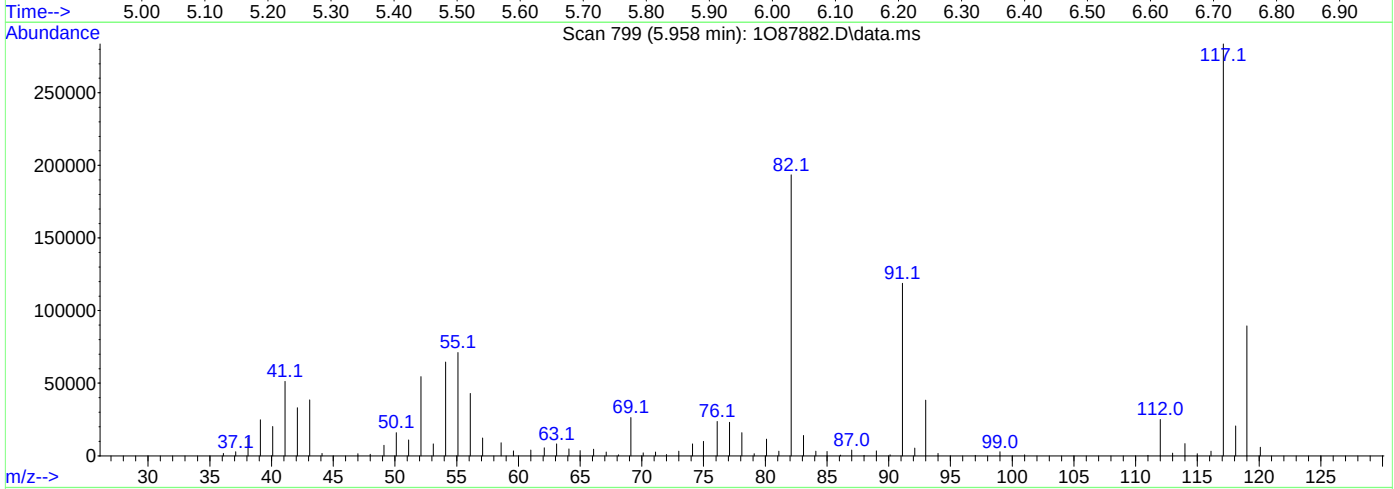
Ion	Exp%	Act%
91.00	100	100
55.00	61.00	59.09
41.00	43.40	40.53
43.10	34.90	31.43

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\093024\
Data File : 1O87882.D
Acq On : 30 Sep 2024 6:22 am
Operator : jeniferw
Sample : CC4046-5 Inst : MSVOA12-O
Misc : MS57595,V1O4089,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 30 07:12:24 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Aug 15 12:51:02 2024
Response via : Initial Calibration





TIC: 1O87882.D\data.ms

(76) 1-Chlorohexane

5.958min (-0.006) 40.88ug/L m

response 155295

Ion	Exp%	Act%
91.00	100	100
55.00	61.00	59.86
41.00	43.40	43.11
43.10	34.90	32.46

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
10/01/24 08:55

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\093024\
Data File : 1O87909.D
Acq On : 30 Sep 2024 5:49 pm
Operator : jeniferw
Sample : ECC4046-5 Inst : MSVOA12-O
Misc : MS57601,V1O4089,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Oct 01 06:17:49 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Aug 15 12:51:02 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.970	96	683192	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.964	117	464116	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.707	152	229627	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.507	113	174398	52.56	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 105.12%			
50) 1,2-Dichloroethane-d4	3.812	65	211970	50.66	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 101.32%			
63) Toluene-d8	4.927	98	674314	47.93	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 95.86%			
86) 4-Bromofluorobenzene	6.854	174	161456	47.13	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 94.26%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.196	85	156234	41.37	ug/L	98
3) Chloromethane	1.337	50	93432	36.74	ug/L	99
4) 1,3-butadiene	1.416	39	74942	34.73	ug/L	97
5) Vinyl Chloride	1.398	62	119134	38.87	ug/L	99
6) Bromomethane	1.629	94	51730	30.74	ug/L	100
7) Chloroethane	1.709	64	28214	32.49	ug/L	96
8) Trichlorofluoromethane	1.812	101	162077	45.45	ug/L	99
9) Ethyl Ether	2.019	59	79667	39.20	ug/L	98
10) Ethanol	2.123	45	35222	948.23	ug/L	97
11) 1,2-Dichlorotrifluoroe...	2.141	67	123685	39.80	ug/L	98
12) 1,1-Dichloroethene	2.141	61	137698	39.94	ug/L	97
13) Freon 113	2.172	101	93913	40.65	ug/L	99
14) Carbon Disulfide	2.160	76	292079	37.83	ug/L	100
15) Iodomethane	2.233	142	56928	20.14	ug/L	97
16) Acrolein	2.349	56	109144	166.26	ug/L	99
17) Allyl chloride	2.434	41	103954	37.92	ug/L	98
18) Methylene Chloride	2.495	49	110552	42.30	ug/L	94
19) Acetone	2.519	43	220880	181.38	ug/L	100
20) Methyl acetate	2.593	43	551384	201.41	ug/L	99
21) trans-1,2-Dichloroethene	2.593	61	139287	39.52	ug/L	98
22) Hexane	2.641	56	65603	39.28	ug/L	96
23) Methyl Tert Butyl Ether	2.654	73	316192	38.16	ug/L	97
24) Tert Butyl Alcohol	2.702	59	251273	338.13	ug/L	89
25) Acetonitrile	2.788	41	191476	478.41	ug/L	99
26) Di-isopropyl ether	2.867	45	250289	38.78	ug/L	98
27) Chloroprene	2.934	53	112317	39.38	ug/L	97
28) 1,1-Dichloroethane	2.946	63	182922	39.92	ug/L	100
29) Acrylonitrile	2.964	52	233360	195.89	ug/L	99
30) ETBE	3.074	59	276805	38.62	ug/L	98
31) Vinyl acetate	3.080	43	906406	193.92	ug/L	100
32) cis-1,2-Dichloroethene	3.251	96	114620	40.60	ug/L	100
33) 2,2-Dichloropropane	3.312	77	131845	34.72	ug/L	98
34) Bromochloromethane	3.361	128	49432	38.39	ug/L	96
35) Cyclohexane	3.373	56	133771	38.78	ug/L	94
36) Chloroform	3.397	83	216583	41.59	ug/L	99
37) Ethyl acetate	3.458	43	727056	195.83	ug/L	100
38) Tetrahydrofuran	3.489	42	50425	34.94	ug/L	98
40) Carbon Tetrachloride	3.489	117	118312m	45.85	ug/L	
41) 1,1,1-Trichloroethane	3.525	97	163053	41.76	ug/L	98
42) 2-Butanone	3.568	43	398443	187.42	ug/L	100
43) 1,1-Dichloropropene	3.592	75	138252	40.16	ug/L	98
44) tert-Butyl formate	3.653	59	221912	147.96	ug/L #	88

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\093024\
Data File : 1O87909.D
Acq On : 30 Sep 2024 5:49 pm
Operator : jeniferw
Sample : ECC4046-5 Inst : MSVOA12-O
Misc : MS57601,V1O4089,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Oct 01 06:17:49 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Aug 15 12:51:02 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Propionitrile	3.739	54	251573	394.66	ug/L		91
46) Methacrylonitrile	3.751	41	816690	403.79	ug/L		99
47) Benzene	3.733	78	455912	39.48	ug/L		99
48) TAME	3.897	73	134772	36.35	ug/L	#	81
49) Isobutyl alcohol	3.836	43	163469m	858.70	ug/L		
51) 1,2-Dichloroethane	3.848	62	149764	42.39	ug/L		97
52) Tert Amyl Alcohol	3.897	59	182395	355.64	ug/L		86
53) Trichloroethene	4.074	95	116812	39.71	ug/L		99
54) Methylcyclohexane	4.074	83	156880	39.50	ug/L		98
55) Dibromomethane	4.324	93	75112	41.82	ug/L		97
56) 1,2-Dichloropropane	4.385	63	102725	39.49	ug/L		96
57) Bromodichloromethane	4.415	83	143877	44.71	ug/L		98
58) Methyl methacrylate	4.501	41	91658	40.44	ug/L		96
59) 1,4-Dioxane	4.537	88	45991	860.57	ug/L		99
60) 2-Chloroethyl vinyl ether	4.757	63	416301	198.92	ug/L		99
61) cis-1,3-Dichloropropene	4.806	75	167351	41.92	ug/L		99
64) Toluene	4.958	91	457438	37.18	ug/L		99
65) 2-Nitropropane	5.104	41	133080	278.07	ug/L		98
66) 4-Methyl-2-pentanone	5.190	43	724768	192.71	ug/L		99
67) trans-1,3-Dichloropropene	5.220	75	164795	40.59	ug/L		98
68) Tetrachloroethene	5.214	166	115476	47.70	ug/L		93
69) Ethyl methacrylate	5.318	69	152116	36.00	ug/L		96
70) 1,1,2-Trichloroethane	5.330	83	94768	39.07	ug/L		98
71) Dibromochloromethane	5.452	129	93543	41.71	ug/L		96
72) 1,3-Dichloropropane	5.513	76	185750	37.92	ug/L		98
73) 1,2-Dibromoethane	5.616	107	108249	39.51	ug/L		95
74) 3,3-dimethyl-1-butanol	5.732	57	1242409	2006.09	ug/L		100
75) 2-hexanone	5.750	43	776415	199.79	ug/L		98
76) 1-Chlorohexane	5.958	91	125355m	34.38	ug/L		
77) Ethylbenzene	5.994	91	516982	38.92	ug/L		98
78) Chlorobenzene	5.976	112	285437	38.62	ug/L		98
79) 1,1,1,2-Tetrachloroethane	6.019	131	85659	43.50	ug/L		99
80) m,p-Xylene	6.098	91	795352	78.37	ug/L		99
81) o-Xylene	6.409	91	398702	39.68	ug/L		100
82) Styrene	6.445	104	297926	41.23	ug/L		99
83) Bromoform	6.470	173	49466	41.79	ug/L		96
84) Isopropylbenzene	6.641	105	438981	40.18	ug/L		99
87) cis-1,4-Dichloro-2-butene	6.897	53	38765	35.36	ug/L		94
88) n-Propylbenzene	6.958	91	547906	38.23	ug/L		98
89) Bromobenzene	6.933	156	103640	36.79	ug/L		98
90) 1,1,2,2-Tetrachloroethane	7.000	83	177139	37.46	ug/L		98
91) 1,3,5-Trimethylbenzene	7.104	105	374937	39.89	ug/L		99
92) 2-Chlorotoluene	7.073	91	381691	37.68	ug/L		100
93) trans-1,4-Dichloro-2-B...	7.140	53	31773	32.89	ug/L		89
94) 1,2,3-Trichloropropane	7.110	110	55088	36.92	ug/L		96
95) Cyclohexanone	7.140	55	34050	173.41	ug/L		97
96) 4-Chlorotoluene	7.201	91	360308	38.03	ug/L		98
97) tert-Butylbenzene	7.354	91	218174	39.74	ug/L		97
99) 1,2,4-Trimethylbenzene	7.409	105	376209	40.86	ug/L		99
100) Pentachloroethane	7.372	167	32583	31.19	ug/L	#	82
101) sec-Butylbenzene	7.488	105	422261	39.87	ug/L		99
102) 4-Isopropyltoluene	7.598	119	348889	41.55	ug/L		98
103) 1,3-Dichlorobenzene	7.653	146	194559	38.34	ug/L		99
104) 1,2,3-Trimethylbenzene	7.738	105	390231	38.86	ug/L		99
105) 1,4-Dichlorobenzene	7.720	146	200737	38.72	ug/L		99
106) n-Butylbenzene	7.915	92	198612	38.64	ug/L		96
107) Benzyl Chloride	7.902	126	33145	31.76	ug/L	#	85
108) 1,2-Dichlorobenzene	8.031	146	188247	39.26	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\093024\
Data File : 1O87909.D
Acq On : 30 Sep 2024 5:49 pm
Operator : jeniferw
Sample : ECC4046-5 Inst : MSVOA12-O
Misc : MS57601,V1O4089,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Oct 01 06:17:49 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Aug 15 12:51:02 2024
Response via : Initial Calibration

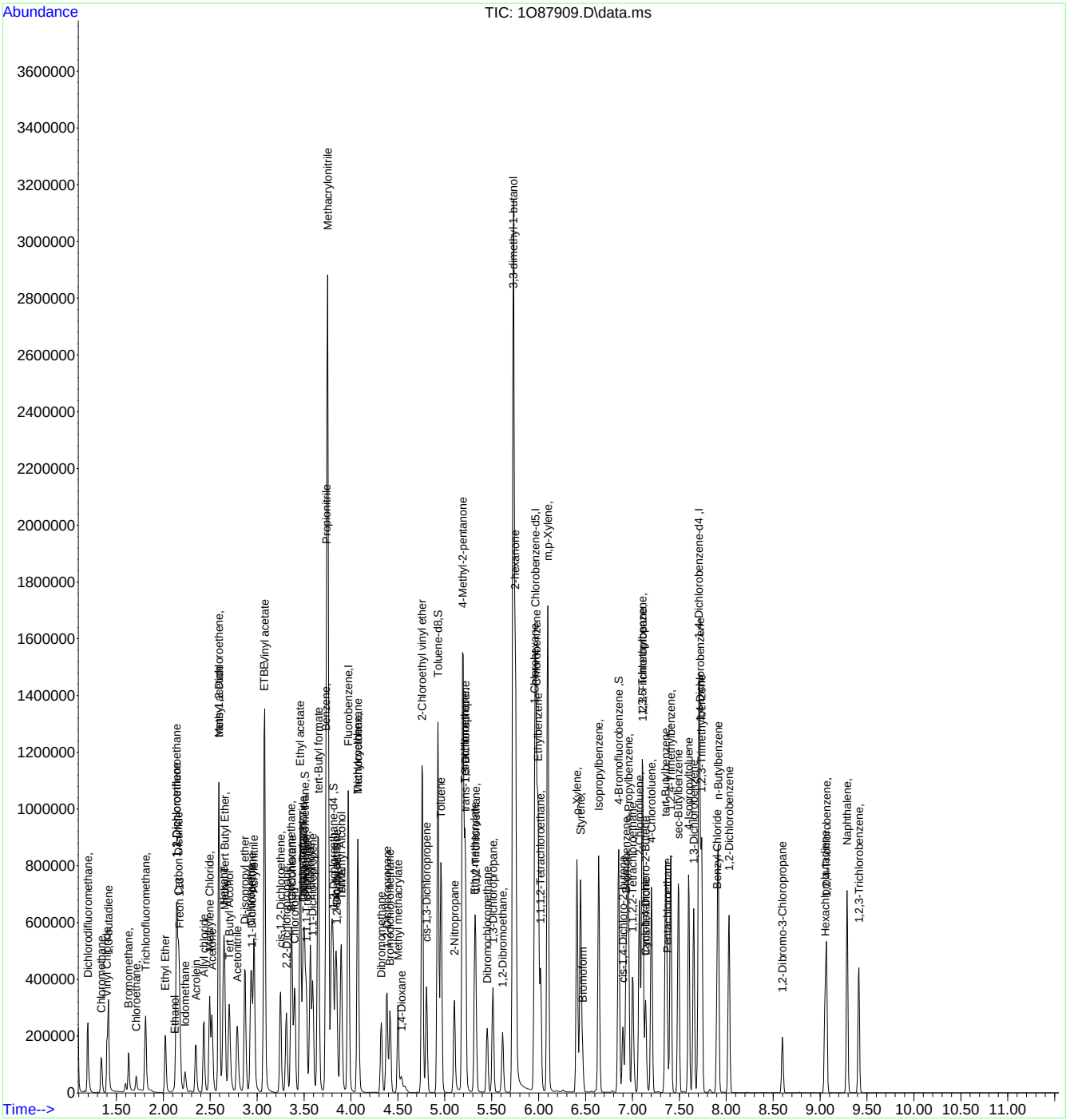
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
109) 1,2-Dibromo-3-Chloropr...	8.597	75	41342	37.99	ug/L	97
110) Hexachlorobutadiene	9.055	225	33839	41.66	ug/L	97
111) 1,2,4-Trichlorobenzene	9.067	180	95466	42.37	ug/L	95
112) Naphthalene	9.286	128	392607	39.75	ug/L	99
113) 1,2,3-Trichlorobenzene	9.414	180	89420	42.99	ug/L	96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\093024\
Data File : 1O87909.D
Acq On : 30 Sep 2024 5:49 pm
Operator : jeniferw
Sample : ECC4046-5 Inst : MSVOA12-O
Misc : MS57601,V1O4089,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Oct 01 06:17:49 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Aug 15 12:51:02 2024
Response via : Initial Calibration



Manual Integration Approval Summary

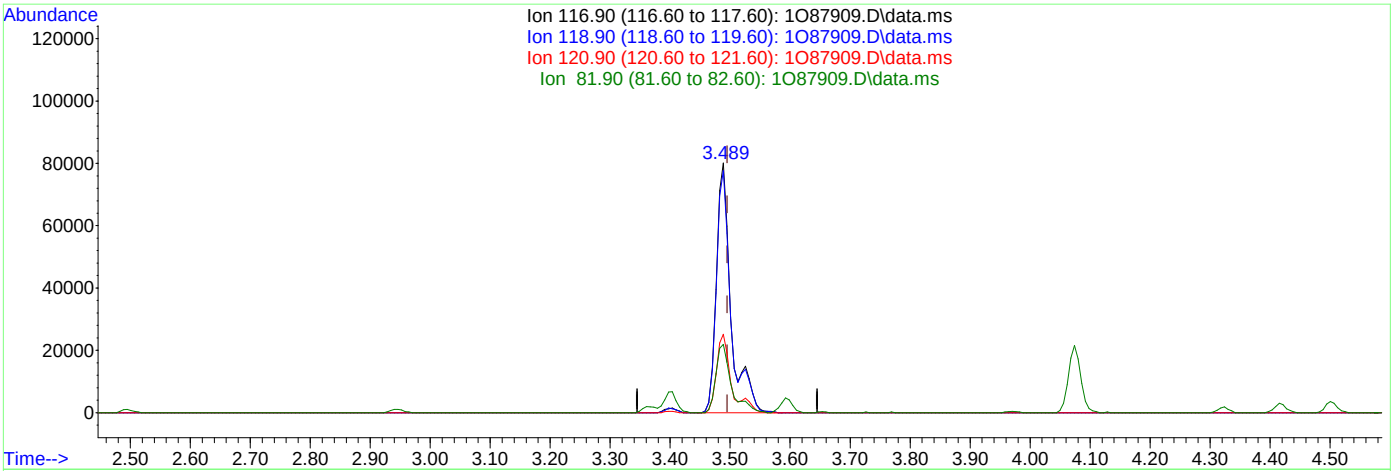
Sample Number:	V1O4089-ECC4046	**Method:**	SW846 8260D
Lab FileID:	1O87909.D	**Analyst approved:**	10/01/24 06:22 Jenifer Willis
Injection Time:	09/30/24 17:49	**Supervisor approved:**	10/01/24 08:55 Karen Watson

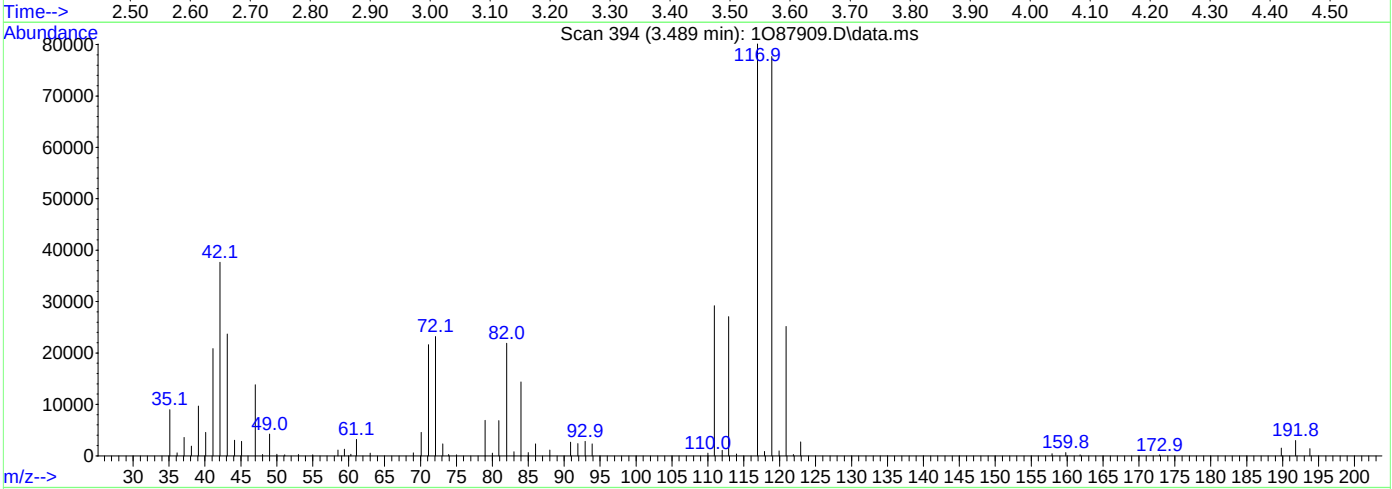
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.49	Overlapping peak
Isobutyl Alcohol	78-83-1		3.84	Poorly defined baseline
1-Chlorohexane	544-10-5		5.96	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\093024\
Data File : 1O87909.D
Acq On : 30 Sep 2024 5:49 pm
Operator : jeniferw
Sample : ECC4046-5 Inst : MSVOA12-O
Misc : MS57601,V1O4089,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Oct 01 06:01:53 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Aug 15 12:51:02 2024
Response via : Initial Calibration





TIC: 1O87909.D\data.ms

(40) Carbon Tetrachloride ( )

3.489min (-0.006) 52.94ug/L

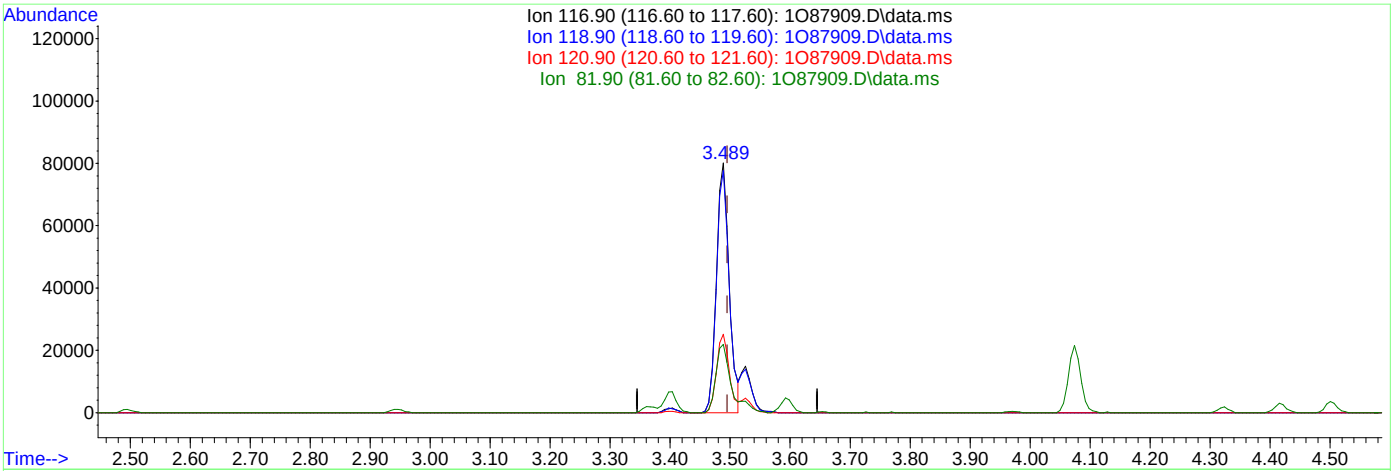
response 136617

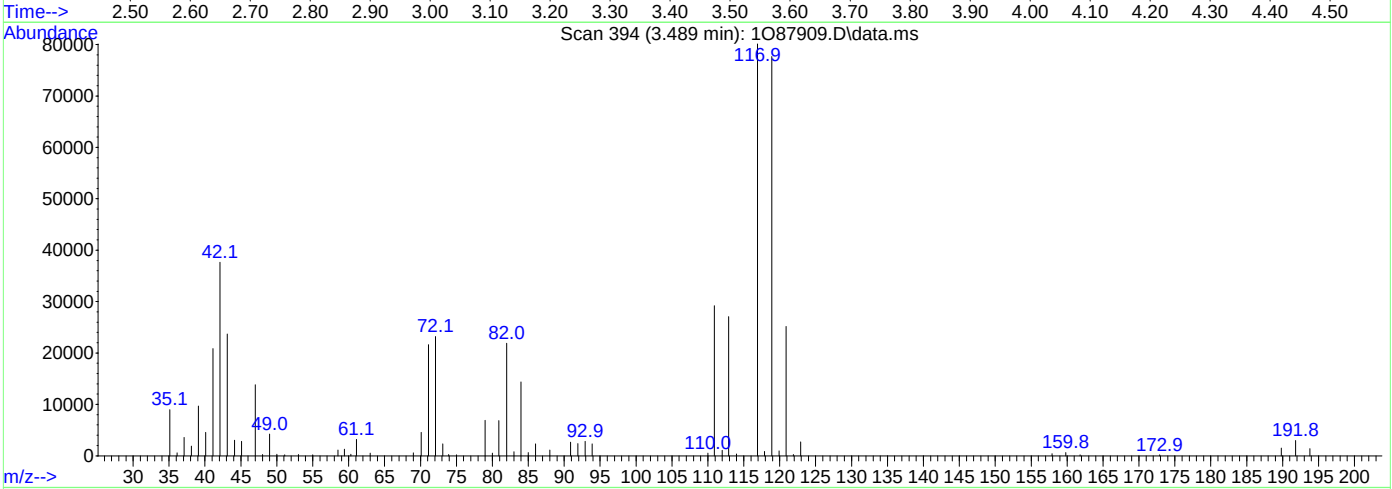
Ion	Exp%	Act%
116.90	100	100
118.90	99.70	96.92
120.90	31.50	31.37
81.90	28.20	27.32

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\093024\
Data File : 1O87909.D
Acq On : 30 Sep 2024 5:49 pm
Operator : jeniferw
Sample : ECC4046-5 Inst : MSVOA12-O
Misc : MS57601,V1O4089,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Oct 01 06:01:53 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Aug 15 12:51:02 2024
Response via : Initial Calibration





TIC: 1O87909.D\data.ms

(40) Carbon Tetrachloride ( )

3.489min (-0.006) 45.85ug/L m

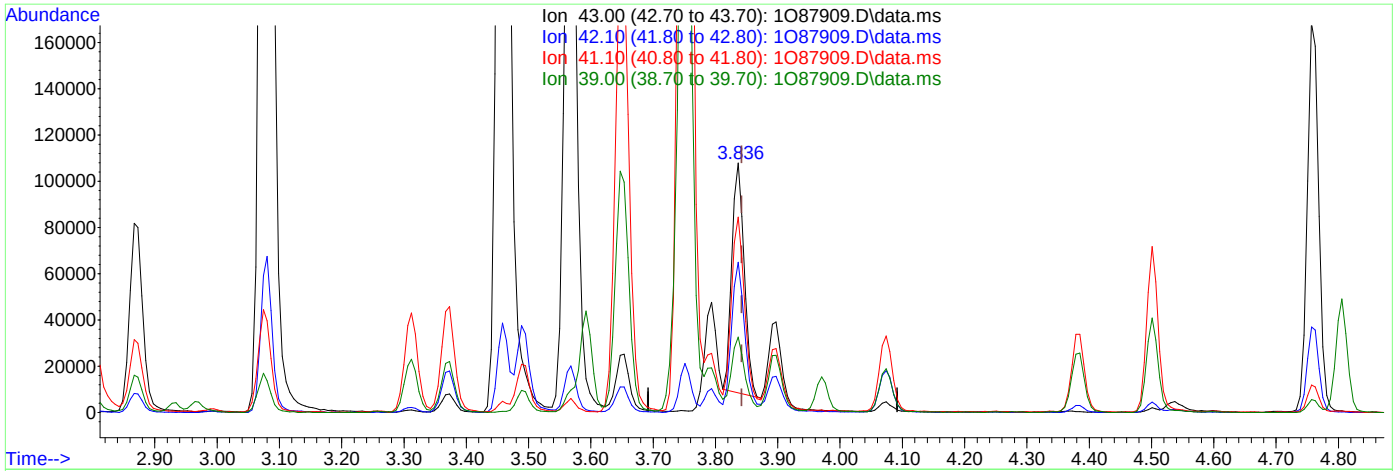
response 118312

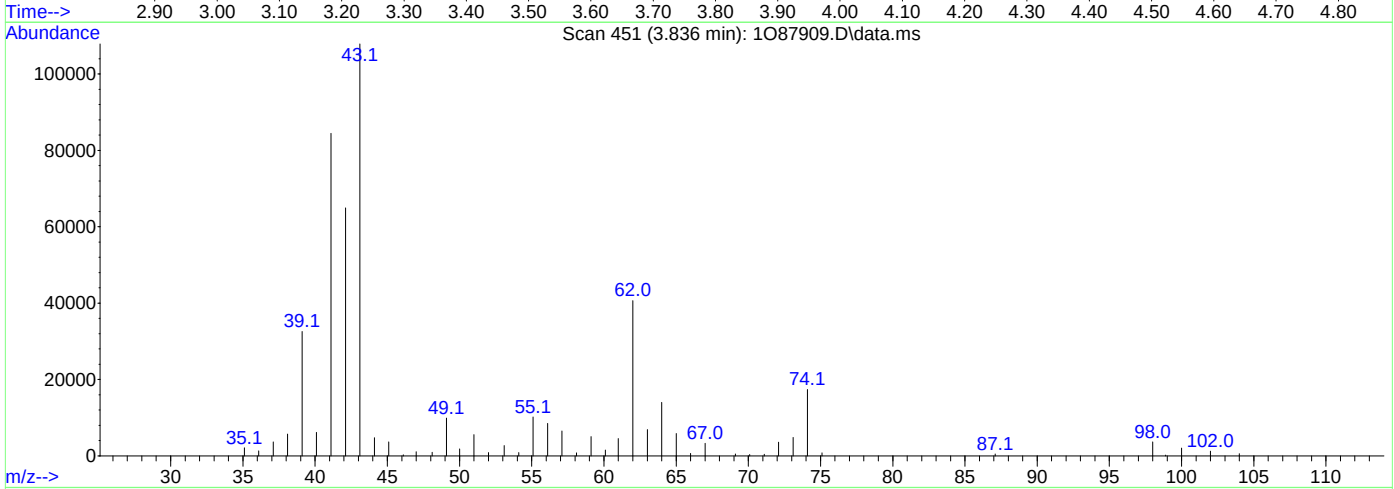
Ion	Exp%	Act%
116.90	100	100
118.90	99.70	96.92
120.90	31.50	31.37
81.90	28.20	27.32

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\093024\
Data File : 1O87909.D
Acq On : 30 Sep 2024 5:49 pm
Operator : jeniferw
Sample : ECC4046-5 Inst : MSVOA12-O
Misc : MS57601,V1O4089,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Oct 01 06:01:53 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Aug 15 12:51:02 2024
Response via : Initial Calibration





TIC: 1O87909.D\data.ms

(49) Isobutyl alcohol

3.836min (-0.006) 714.10ug/L

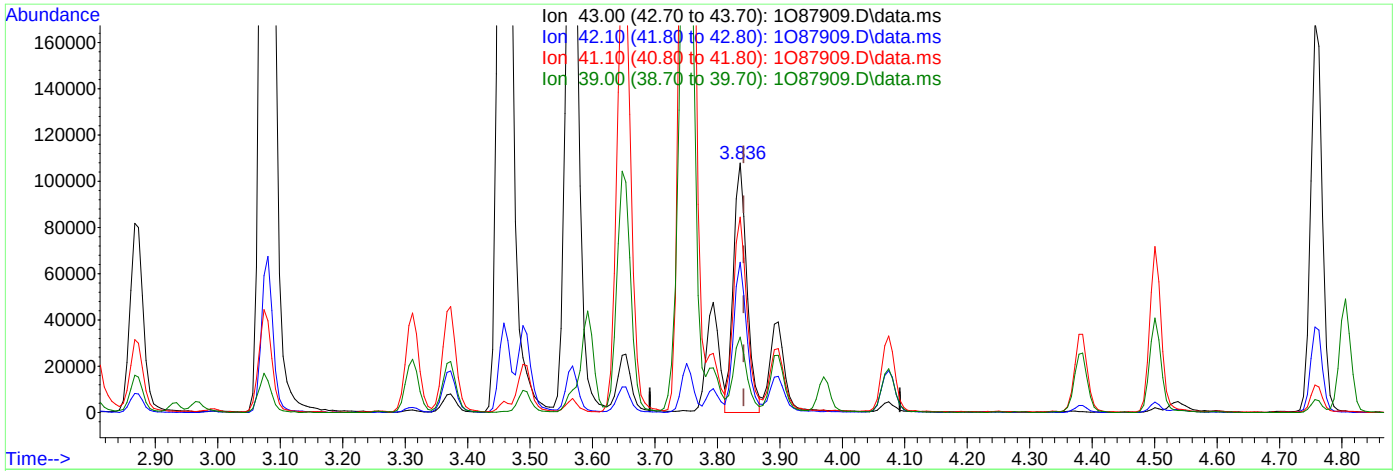
response 135942

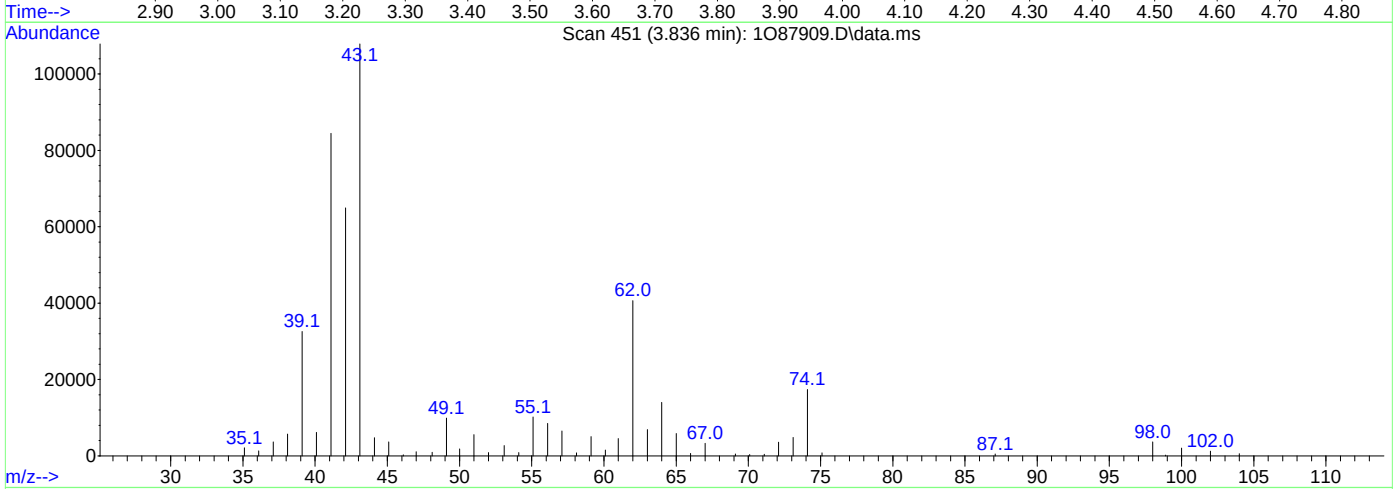
Ion	Exp%	Act%
43.00	100	100
42.10	60.40	60.44
41.10	76.50	77.63
39.00	27.90	28.95

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\093024\
Data File : 1O87909.D
Acq On : 30 Sep 2024 5:49 pm
Operator : jeniferw
Sample : ECC4046-5 Inst : MSVOA12-O
Misc : MS57601,V1O4089,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Oct 01 06:01:53 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Aug 15 12:51:02 2024
Response via : Initial Calibration





TIC: 1O87909.D\data.ms

(49) Isobutyl alcohol

3.836min (-0.006) 858.70ug/L m

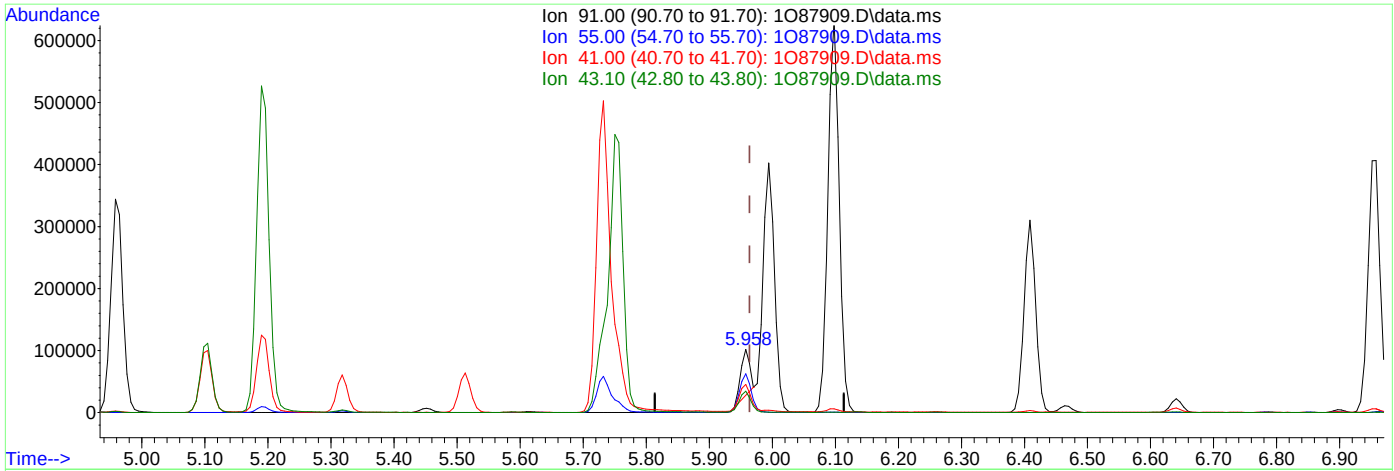
response 163469

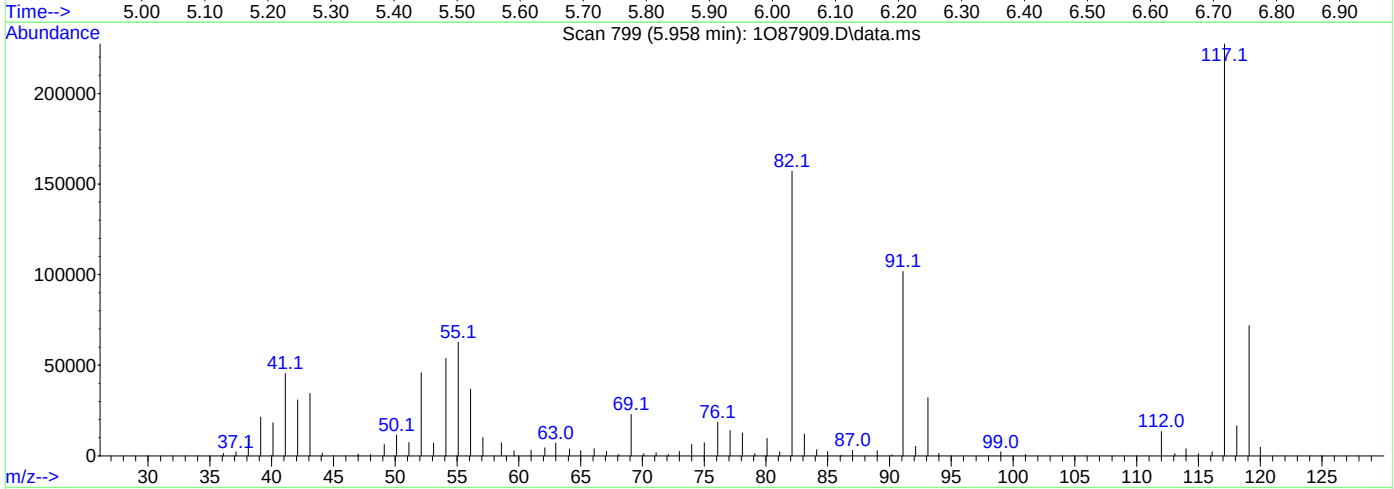
Ion	Exp%	Act%
43.00	100	100
42.10	60.40	60.16
41.10	76.50	78.24
39.00	27.90	30.20

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\093024\
Data File : 1O87909.D
Acq On : 30 Sep 2024 5:49 pm
Operator : jeniferw
Sample : ECC4046-5 Inst : MSVOA12-O
Misc : MS57601,V1O4089,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Oct 01 06:01:53 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Aug 15 12:51:02 2024
Response via : Initial Calibration





TIC: 1O87909.D\data.ms

(76) 1-Chlorohexane

5.958min (-0.006) 21.65ug/L

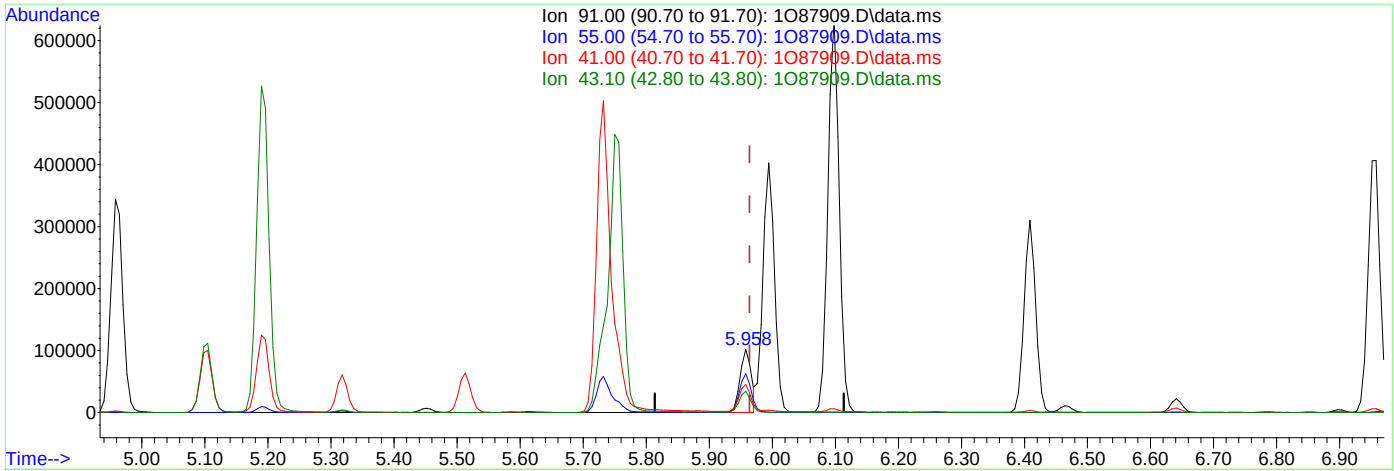
response 78937

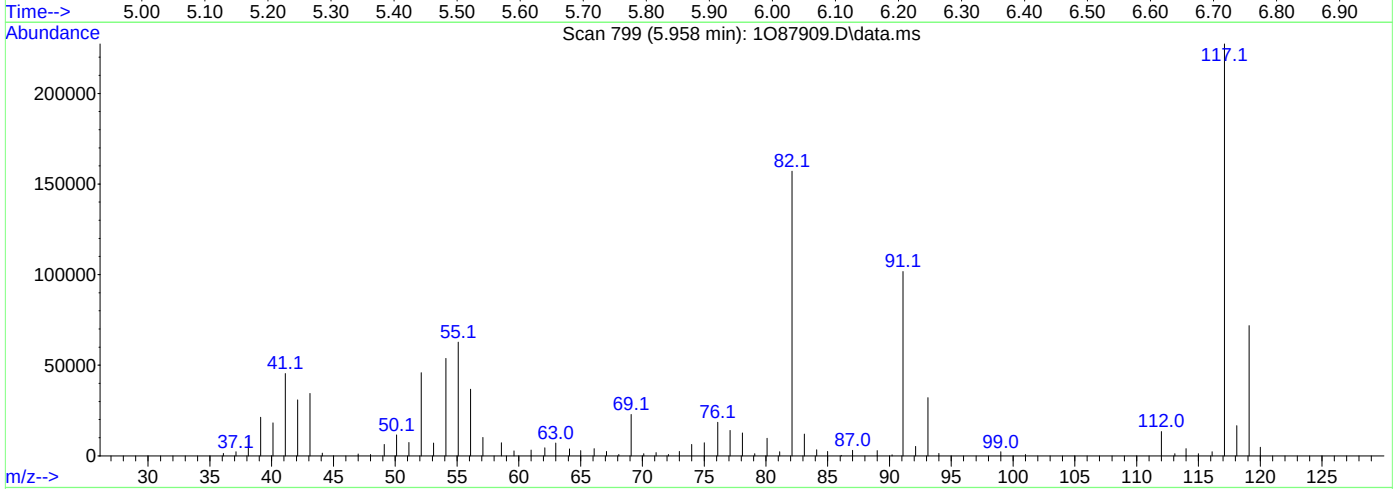
Ion	Exp%	Act%
91.00	100	100
55.00	61.00	61.17
41.00	43.40	42.62
43.10	34.90	32.74

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\093024\
Data File : 1O87909.D
Acq On : 30 Sep 2024 5:49 pm
Operator : jeniferw
Sample : ECC4046-5 Inst : MSVOA12-O
Misc : MS57601,V1O4089,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Oct 01 06:01:53 2024
Quant Method : C:\msdchem\1\methods\V1O4046_08152024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Aug 15 12:51:02 2024
Response via : Initial Calibration





TIC: 1O87909.D\data.ms

(76) 1-Chlorohexane

5.958min (-0.006) 34.38ug/L m

response 125355

Ion	Exp%	Act%
91.00	100	100
55.00	61.00	61.66
41.00	43.40	44.60
43.10	34.90	33.81

SGS -ORLANDO **VOA-GCMS ANALYSIS LOG**

Instrument:	MSVOA17-1A
Date:	09/18/2024
Analyst:	Jenifer W
Column Type	RTXVMS
Detector	5975C-MSD
Purge Pressure	1.4 psi
Purge Volume	5mL

Method(s):	VMS8260
Method File:	V1A3047_09182024.M
Calibration Date:	09/18/2024
Acq. Method:	VA_8260.M
EM Voltage:	1576V
Run ID:	**V1A3047**

BFB:	VS4238
ICAL/CC:	VS4193, VS4237, VS4227
VS4248, VS4228, VS4247,VS4241,,	
ICV/BS:	VS4249, VS4240, VS4223
VS4213, VS4224, VS4242,	
ISTD/Surr.:	VS4238

pH Paper Lot#:	230320A/211623A
KI Paper Lot#:	14-860 03/13/23
AFA Lot#:	VS4236
Data processed by:	Jenifer W/Lotusa
Sample ID Ver. by:	Jenifer W
Date Verified:	09/18/2024

Data File	Sample ID	Dilution Factor	Vial #	Matrix	A.S. Pos.	Work Group	pH	CI? (Y/N)	RR	Comments and Manually Integrated Peaks (Peak # and Rational)
1A59227	BFB	-	-	Water	1	-	-	-	-	Autofind tune passed✓
1A59229	IC3047-1	-	-	Water	2	-	-	-	-	1uL→100mL PBL#75,76 MP#4,6,15,16,34,52,65,70,83,94,104,109
1A59231	IC3047-8	-	-	Water	3	-	-	-	-	2uL→100mL OP#40,76,77 MP#15,38,52,94,104,106,108
1A59233	IC3047-2	-	-	Water	4	-	-	-	-	5uL→100mL OP#40,76,77 MP#10,59,87,94,95,106,108
1A59235	IC3047-3	-	-	Water	5	-	-	-	-	10uL→100mL OP#40,76,77 MP#59,95,108
1A59237	IC3047-4	-	-	Water	6	-	-	-	-	25uL→100mL PBL#10 OP#40,76,77
1A59239	IC3047-5	-	-	Water	7	-	-	-	-	40uL→100mL PBL#10 OP#40,76,77
1A59241	IC3047-6	-	-	Water	8	-	-	-	-	70uL→100mL OP#40,76,77
1A59243	IC3047-7	-	-	Water	9	-	-	-	-	100uL→100mL PBL#10 OP#40,76,77
1A59245	rinse	-	-	Water	10	-	-	-	-	
1A59247	rinse	-	-	Water	11	-	-	-	-	
1A59249	ICV3047-5	-	-	Water	12	-	-	-	-	40uL→100mL PBL#10 OP#40,76,77 ✓
1A59251	ICV3047-4	-	-	Water	13	-	-	-	-	25uL→100mL
1A59251A	BS	-	-	Water	13	-	-	-	-	25uL→100mL PBL#10 OP#40,76,77 ✓
1A59253	rinse	-	-	Water	14	-	-	-	-	
1A59255	rinse	-	-	Water	15	-	-	-	-	
1A59257	MB	-	-	Water	16	-	-	-	-	AFA
1A59259	FC18845-2	250X	2	Water	17	MS57522	1	N	500x	200uL→50mL xylenes OR
1A59261	FC18845-3	200X	2	Water	18	MS57522	1	N	-	250uL→50mL Ecombine
1A59263	FC18845-4	250X	2	Water	19	MS57522	1	N	500x	200uL→50mL xylenes OR
1A59265	FC18845-6	250X	2	Water	20	MS57522	1	N	-	200uL→50mL Ecombine
1A59267	FC18845-16	100X	2	Water	21	MS57522	1	N	-	500uL→50mL Ecombine
1A59269	FC18845-17	200X	2	Water	22	MS57522	1	N	-	250uL→50mL Ecombine
1A59271	FC18845-2MS	250X	2	Water	23	MS57522	1	N	-	400uL→100mL spike 25uL→100mL PBL#10 OP#40,76,77
1A59273	FC18845-2MSD	250X	2	Water	24	MS57522	1	N	-	400uL→100mL spike 25uL→100mL PBL#10 OP#40,76,77
1A59275	ECC3047-5	-	-	Water	25	-	-	-	-	40uL→100mL PBL#10 OP#40,76,77

Matrix: Designate "W" for Water "S" for soil, "O" for Oil, "Liq" for Non-aquous Liquid, and "TCLP" or "SPLP" for Leachate
Manual Integration Rational SOP QA029: MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PII Poor Instrument

SGS -ORLANDO **VOA-GCMS ANALYSIS LOG**

Instrument:	MSVOA17-1A
Date:	09/29/2024
Analyst:	Jenifer W
Column Type	RTXVMS
Detector	5975C-MSD
Purge Pressure	1.4 psi
Purge Volume	5mL

Method(s):	VMS8260
Method File:	V1A3047_09182024.M
Calibration Date:	09/18/2024
Acq. Method:	VA_8260.M
EM Voltage:	1576V
Run ID:	**V1A3060**

BFB:	VS4238
ICAL/CC:	VS4264, VS4271, VS4252
VS4248, VS4253, VS4277,VS4278,,	
ICV/BS:	VS4249, VS4240, VS4265
VS4250, VS4266, VS4279,	
ISTD/Surr.:	VS4238

pH Paper Lot#:	230320A/211623A
KI Paper Lot#:	14-860 03/13/23
AFA Lot#:	VS4236
Data processed by:	Jenifer W/ Jhenelle B
Sample ID Ver. by:	Jenifer W
Date Verified:	09/29/2024

Data File	Sample ID	Dilution Factor	Vial #	Matrix	A.S. Pos.	Work Group	pH	CI? (Y/N)	RR	Comments and Manually Integrated Peaks (Peak # and Rational)
1A59532	BFB	-	-	Water	1	-	-	-	-	Autofind tune passed✓
1A59533	CC3047-5	-	-	Water	2	-	-	-	-	40uL→100mL OP#40 PBL#76,77✓
1A59534	BS	-	-	Water	3	-	-	-	-	25uL→100mL OP#40 PBL#76,77✓
1A59535	rinse	-	-	Water	4	-	-	-	-	
1A59536	rinse	-	-	Water	5	-	-	-	-	
1A59537	MB	-	-	Water	6	-	-	-	-	AFA, ND✓
1A59538	FC19116-10	-	1	Water	7	MS57599	1	N	-	ND✓
1A59539	FC19131-3	-	1	Water	8	MS57599	6	N	-	ND✓
1A59540	FC19130-2	-	1	Water	9	MS57599	6	N	-	✓
1A59541	FC19129-1	-	1	Water	10	MS57599	6	N	-	✓
1A59542	FC19130-1	-	1	Water	11	MS57599	6	N	-	ND✓
1A59543	FC19130-3	-	1	Water	12	MS57599	6	N	-	✓
1A59544	FC19130-4	-	1	Water	13	MS57599	6	N	-	✓
1A59545	FC19130-5	-	1	Water	14	MS57599	6	N	-	ND✓
1A59546	FC19130-6	-	1	Water	15	MS57599	6	N	-	✓
1A59547	FC19130-7	-	1	Water	16	MS57599	6	N	-	ND✓
1A59548	FC19130-8	-	1	Water	17	MS57599	6	N	-	ND✓
1A59549	FC19130-9	-	1	Water	18	MS57599	6	N	-	ND✓
1A59550	FC19130-10	-	1	Water	19	MS57599	6	N	-	✓
1A59551	FC19130-11	-	1	Water	20	MS57599	6	N	-	ND✓
1A59552	FC19130-12	-	1	Water	21	MS57599	6	N	-	ND✓
1A59553	FC19130-13	-	1	Water	22	MS57599	6	N	-	ND✓
1A59554	FC19130-14	-	1	Water	23	MS57599	6	N	-	ND✓
1A59555	**FC19131-1**	-	1	Water	24	MS57599	6	N	**2.5x**	**c12DCE, 12DCE O/R**
1A59556	FC19131-2	-	1	Water	25	MS57599	6	N	-	✓
1A59557	**FC19116-9**	-	1	Water	26	MS57599	1	N	**5x**	**124TMB O/R**
1A59558	FC19130-2MS	-	2	Water	27	MS57599	6	N	-	spike 10uL→40mL OP#40 PBL#10,76,77✓
1A59559	FC19130-2MSD	-	3	Water	28	MS57599	6	N	-	spike 10uL→40mL OP#40,76,77 PBL#10✓
1A59560	ECC3047-5	-	-	Water	29	-	-	-	-	40uL→100mL OP#40,76,77 PBL#10✓

Matrix: Designate "W" for Water "S" for soil, "O" for Oil, "Liq" for Non-aquous LIquid, and "TCLP" or "SPLP" for Leachate
Manual Integration Rational SOP QA029: MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PII Poor Instrument

SGS -ORLANDO **VOA-GCMS ANALYSIS LOG**

Instrument:	MSVOA17-1A
Date:	10/01/2024
Analyst:	Jenifer W
Column Type	RTXVMS
Detector	5975C-MSD
Purge Pressure	1.4 psi
Purge Volume	5mL

Method(s):	VMS8260
Method File:	V1A3047_09182024.M
Calibration Date:	09/18/2024
Acq. Method:	VA_8260.M
EM Voltage:	1576V
Run ID:	**V1A3062**

BFB:	VS4238
ICAL/CC:	VS4264, VS4271, VS4280
VS4248, VS4253, VS4277,VS4278,,	
ICV/BS:	VS4249, VS4240, VS4265
VS4250, VS4266, VS4279,	
ISTD/Surr.:	VS4238

pH Paper Lot#:	230320A/211623A
KI Paper Lot#:	14-860 03/13/23
AFA Lot#:	VS4236
Data processed by:	Jenifer W/LauraB/JhenelleB
Sample ID Ver. by:	Jenifer W
Date Verified:	10/01/2024

Data File	Sample ID	Dilution Factor	Vial #	Matrix	A.S. Pos.	Work Group	pH	CI? (Y/N)	RR	Comments and Manually Integrated Peaks (Peak # and Rational)
1A59591	BFB	-	-	Water	1	-	-	-	-	Autofind tune passed✓
1A59592	CC3047-5	-	-	Water	2	-	-	-	-	40uL→100mL OP#40,76,77 PBL✓
1A59593	BS	-	-	Water	3	-	-	-	-	25uL→100mL OP#40,76,77 PBL#10✓
1A59594	rinse	-	-	Water	4	-	-	-	-	
1A59595	rinse	-	-	Water	5	-	-	-	-	
1A59596	MB	-	-	Water	6	-	-	-	-	AFA, ND✓
1A59597	FC19141-9	-	1	Water	7	MS57609	1	N	-	ND✓
1A59598	FC19116-7	-	1	Water	8	MS57609	1	N	-	ND✓
1A59599	FC19164-5	-	1	Water	9	MS57609	1	N	-	ND✓
1A59600	**FC19116-1**	-	1	Water	10	MS57609	1	N	**1x**	**ND; Surr out; IS low- Autosampler error- did not pull enough sample from vial**
1A59601	FC19116-2	-	1	Water	11	MS57609	1	N	-	✓
1A59602	FC19116-3	2.5X	1	Water	12	MS57609	1	N	-	20mL→50mL✓
1A59603	FC19116-4	-	1	Water	13	MS57609	1	N	-	✓
1A59604	FC19116-5	-	1	Water	14	MS57609	1	N	-	✓
1A59605	FC19116-6	-	1	Water	15	MS57609	1	N	-	✓
1A59606	FC19116-8	-	1	Water	16	MS57609	1	N	-	ND✓
1A59607	FC19141-1	-	1	Water	17	MS57609	1	N	-	✓
1A59608	FC19141-2	-	1	Water	18	MS57609	1	N	-	✓
1A59609	FC19141-3	-	1	Water	19	MS57609	1	N	-	AFA, ND✓
1A59610	FC19141-4	-	1	Water	20	MS57609	1	N	-	✓
1A59611	FC19141-5	-	1	Water	21	MS57609	1	N	-	✓
1A59612	FC19141-6	-	1	Water	22	MS57609	1	N	-	✓
1A59613	FC19141-7	-	1	Water	23	MS57609	1	N	-	✓
1A59614	FC19141-8	-	1	Water	24	MS57609	1	N	-	✓
1A59615	FC19164-6	-	1	Water	25	MS57609	1	N	-	ND✓
1A59616	FC19164-7	-	1	Water	26	MS57609	1	N	-	ND✓
1A59617	FC19164-5MS	-	2	Water	27	MS57609	1	N	-	spike 10uL→40mL OP#40,76,77 PBL#10✓
1A59618	FC19164-5MSD	-	3	Water	28	MS57609	1	N	-	spike 10uL→40mL OP#40,76,77 PBL#10✓
1A59619	FC19116-7MS	-	2	Water	29	MS57609	1	N	-	spike 10uL→40mL OP#40,76,77 PBL#10✓
1A59620	FC19116-7MS	-	3	Water	30	MS57609	1	N	-	spike 10uL→40mL OP#40,76,77 PBL#10✓
1A59621	ECC3047-5	-	-	Water	31	-	-	-	-	40uL→100mL OP#40 PBL#10,76,77✓

Matrix: Designate "W" for Water "S" for soil, "O" for Oil, "Liq" for Non-aquous LIquid, and "TCLP" or "SPLP" for Leachate
Manual Integration Rational SOP QA029: MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PII Poor Instrument

SGS -ORLANDO **VOA-GCMS ANALYSIS LOG**

Instrument:	MSVOA12-2O
Date:	08/15/2024
Analyst:	Jenifer W
Column Type	RTXVMS
Detector	5975C-MSD
Purge Pressure	1.1 psi
Purge Volume	5mL

Method(s):	VMS8260
Method File:	V1O4046_08152024.M
Calibration Date:	08/15/2024
Acq. Method:	VO_8260.M
EM Voltage:	1529V
Run ID:	**V1O4046**

BFB:	VS4112
ICAL/CC:	VS4155, VS4162, VS4148
VS4156, VS4161, VS4166,VS4170,,	
ICV/BS:	VS4125, VS4158, VS4177
VS4157, VS4140, VS4171,	
ISTD/Surr.:	VS4112

pH Paper Lot#:	230320/206722
KI Paper Lot#:	14-860 5/9/2022
AFA Lot#:	VS4092
Data processed by:	Jenifer W
Sample ID Ver. by:	Jenifer W
Date Verified:	08/15/2024

Data File	Sample ID	Dilution Factor	Vial #	Matrix	A.S. Pos.	Work Group	pH	CI? (Y/N)	RR	Comments and Manually Integrated Peaks (Peak # and Rational)
1O86789	BFB	-	-	Water	1	-	-	-	-	Autofind Tune Passed ✓
1O86790	IC4046-1	-	-	Water	2	-	-	-	-	1uL→100mL with 275uL MeOH PBL#49,76 MP#83,95,100,105,107,109
1O86791	IC4046-8	-	-	Water	3	-	-	-	-	2uL→100mL with 265uL MeOH PBL#46,76 MP#105,107
1O86792	IC4046-2	-	-	Water	4	-	-	-	-	5uL→100mL with 245uL MeOH OP#40 PBL#49,76
1O86793	IC4046-3	-	-	Water	5	-	-	-	-	10uL→100mL with 210uL MeOH OP#40 PBL#49,76
1O86794	IC4046-4	-	-	Water	6	-	-	-	-	25uL→100mL with 100uL MeOH OP#40 PBL#49,76
1O86795	ICC4046-5	-	-	Water	7	-	-	-	-	40uL→100mL OP#40 PBL#49,76
1O86796	IC4046-6	-	-	Water	8	-	-	-	-	70uL→100mL OP#40 PBL#49,76
1O86797	IC4046-7	-	-	Water	9	-	-	-	-	100uL→100mL OP#40 PBL#49,76
1O86798	rinse	-	-	Water	10	-	-	-	-	
1O86799	ICV4046-5	-	-	Water	11	-	-	-	-	40uL→100mL OP#40 PBL#49,76
1O86800	ICV4046-4	-	-	Water	12	-	-	-	-	25uL→100mL with 100uL MeOH

Matrix: Designate "W" for Water "S" for soil, "O" for Oil, "Liq" for Non-aquous LIquid, and "TCLP" or "SPLP" for Leachate
Manual Integration Rational SOP QA029: MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PII Poor Instrument

SGS -ORLANDO **VOA-GCMS ANALYSIS LOG**

Instrument:	MSVOA12-2O
Date:	09/30/2024
Analyst:	Jenifer W
Column Type	RTXVMS
Detector	5975C-MSD
Purge Pressure	1.1 psi
Purge Volume	5mL

Method(s):	VMS8260
Method File:	V1O4046_08152024.M
Calibration Date:	08/15/2024
Acq. Method:	VO_8260.M
EM Voltage:	1529V
Run ID:	**V1O4089**

BFB:	VS4112
ICAL/CC:	VS4264, VS4271, VS4252
VS4248, VS4253, VS4277,VS4278,,	
ICV/BS:	VS4249, VS4240, VS4265
VS4250, VS4266, VS4279,	
ISTD/Surr.:	VS4112

pH Paper Lot#:	230320/211623
KI Paper Lot#:	14-860 2/7/2024
AFA Lot#:	VS4092
Data processed by:	Jenifer W
Sample ID Ver. by:	Jenifer W
Date Verified:	09/30/2024

Data File	Sample ID	Dilution Factor	Vial #	Matrix	A.S. Pos.	Work Group	pH	CI? (Y/N)	RR	Comments and Manually Integrated Peaks (Peak # and Rational)
1O87881	BFB	-	-	Water	1	-	-	-	-	Autofind Tune Passed ✓
1O87882	CC4046-5	-	-	Water	2	-	-	-	-	40uL→100mL OP#40 PBL#10,49,76 ✓
1O87883	BS	-	-	Water	3	-	-	-	-	25uL→100mL with 100uL MeOH OP#40 PBL#49,76 ✓
1O87884	rinse	-	-	Water	4	-	-	-	-	
1O87885	MB	-	-	Water	5	-	-	-	-	AFA, ND ✓
1O87886	CC4046-1	-	-	Water	6	-	-	-	-	1uL→100mL ✓
1O87887	FC19169-1	-	5	Water	7	MS57601	1	N	-	✓
1O87888	FC19169-2	-	4	Water	8	MS57601	1	N	-	✓
1O87889	FC19169-3	-	5	Water	9	MS57601	1	N	-	✓
1O87890	FC19169-4	-	7	Water	10	MS57601	1	N	-	✓
1O87891	FC19169-5	-	5	Water	11	MS57601	1	N	-	✓
1O87892	FC19169-6	-	8	Water	12	MS57601	1	N	-	✓
1O87893	FC19169-7	-	1	Water	13	MS57601	1	N	-	✓
1O87894	FC19169-8	-	5	Water	14	MS57601	1	N	-	✓
1O87895	FC19169-9	-	5	Water	15	MS57601	1	N	-	✓
1O87896	FC19169-10	-	1	Water	16	MS57601	1	N	-	✓
1O87897	FC19168-1	-	5	Water	17	MS57601	1	N	-	✓
1O87898	FC19168-2	-	5	Water	18	MS57601	1	N	-	✓
1O87899	FC19168-3	-	5	Water	19	MS57601	1	N	-	✓
1O87900	FC19168-4	-	9	Water	20	MS57601	1	N	-	✓
1O87901	FC19168-5	-	5	Water	21	MS57601	1	N	-	✓
1O87902	FC19168-6	-	9	Water	22	MS57601	1	N	-	✓
1O87903	FC19168-7	-	5	Water	23	MS57601	1	N	-	✓
1O87904	FC19168-8	-	9	Water	24	MS57601	1	N	-	✓
1O87905	FC19052-21	5X	2	Water	25	MS57601	1	N	-	10mL→50mL Ecombine MeCl2 ✓
1O87906	FC19116-9	5X	2	Water	26	MS57601	1	N	-	MP#101; 10mL→50mL Ecombine 124TMB ✓
1O87907	FC19169-1MS	-	6	Water	27	MS57601	1	N	-	spike 10uL→40mL OP#40 PBL#10,49,76 ✓
1O87908	FC19169-1MSD	-	7	Water	28	MS57601	1	N	-	spike 10uL→40mL OP#40 PBL#10,49,76 ✓
1O87909	ECC4046-5	-	-	Water	29	-	-	-	-	40uL→100mL OP#40 PBL#10,49,76 ✓

Matrix: Designate "W" for Water "S" for soil, "O" for Oil, "Liq" for Non-aquous LIquid, and "TCLP" or "SPLP" for Leachate
Manual Integration Rational SOP QA029: MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PII Poor Instrument

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

e-Hardcopy 2.0
Automated Report

Technical Report for

Bhate Environmental

Griffiss AFB; Rome, NY

GRFIS-BECOS

SGS Job Number: FC19141A



Sampling Date: 09/26/24

Report to:

Bhate Environmental

tcalhoun@bhate.com
molive@bhate.com; atorres@bhate.com
ATTN: Marcia Olive

Total number of pages in report: **319**

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 unless noted in the narrative, comments or footnotes.

Norm Farmer
Technical Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL(E83510), LA(03051), KS(E-10327), NC(573), NJ(FL002), NY(12022), SC(96038001) DoD ELAP(ANAB L2229), AZ(AZ0806), CA(2937), TX(T104704404), PA(68-03573), VA(460177), AL, AK, AR, CT, IA, KY, MA, MI. MS, ND, NH, NV, OK, OR, IL, UT, VT, WA, WI, WV

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Please share your ideas about
how we can serve you better at:
EHS.US.CustomerCare@sgs.com

October 17, 2024

Marcia Olive
Bhate Environmental
1608 13th Ave S Suite 300
Birmingham, AL 35205

RE: SGS North America Inc. - Orlando job FC19141A Reissue

Dear Ms. Olive,

The final report for job number FC19141A was revised in response to your requested changes. The following edits were made to this report.

The specific samples you requested were removed form the original report and re-issued on a separate report package.

Please feel free to contact us if we can be of further assistance.

Sincerely,

SGS North America Inc. - Orlando

CC: Dan Waterhouse, AECOM
Brian Rothmeyer, AECOM

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SGS North America Inc.

Sample Summary

Bhate Environmental

Job No: FC19141A

Griffiss AFB; Rome, NY
Project No: GRFIS-BECOS

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FC19141-3	09/26/24	12:52	GWAS	09/27/24	AQ	Ground Water	789MW-216_0924
FC19141-6	09/26/24	15:48	GWAS	09/27/24	AQ	Ground Water	789SW-02_0924
FC19141-7	09/26/24	16:04	GWAS	09/27/24	AQ	Ground Water	789SW-03_0924
FC19141-8	09/26/24	16:18	GWAS	09/27/24	AQ	Ground Water	789SW-04_0924

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Bhate Environmental **Job No:** FC19141A

Site: Griffiss AFB; Rome, NY **Report Date:** 10/17/2024 2:27:30

On 09/27/2024, 4 Sample(s), 0 Trip Blank(s), 0 Equip. Blank(s) and 0 Field Blank(s) were received at SGS North America Inc - Orlando. at a maximum corrected temperature of 4.2 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. - Orlando Job Number of FC19141A 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.

MS Volatiles By Method SW846 8260D

Matrix: AQ **Batch ID:** V1A3062

Sample(s) FC19116-7MS, FC19116-7MSD were used as the QC samples indicated.

V1A3062-MB: Sample was treated with an anti-foaming agent.

FC19141-3 for Vinyl Acetate: Associated CCV outside of DOD QSM control limits high, sample is ND.

FC19141-3: Sample was treated with an anti-foaming agent.

FC19141-6 for Vinyl Acetate: Associated CCV outside of DOD QSM control limits high, sample is ND.

FC19141-7 for Vinyl Acetate: Associated CCV outside of DOD QSM control limits high, sample is ND.

FC19141-8 for Vinyl Acetate: Associated CCV outside of DOD QSM control limits high, sample is ND.

SGS North America Inc. - Orlando 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.- Orlando is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety.

Narrative prepared by:

_____

Kim Benham, Report Generation (signature on file)

Summary of Hits

Job Number: FC19141A
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 09/26/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FC19141-3	**789MW-216_0924**					
No hits reported in this sample.						
FC19141-6	**789SW-02_0924**					
Chloroform		0.37 J	1.0	0.50	ug/l	SW846 8260D
FC19141-7	**789SW-03_0924**					
Benzene		0.45 J	1.0	0.50	ug/l	SW846 8260D
Chloroform		0.37 J	1.0	0.50	ug/l	SW846 8260D
FC19141-8	**789SW-04_0924**					
Chloroform		0.36 J	1.0	0.50	ug/l	SW846 8260D

Sample Results

Report of Analysis

SGS North America Inc.

Report of Analysis

Client Sample ID: 789MW-216_0924
Lab Sample ID: FC19141-3
Matrix: AQ - Ground Water
Method: SW846 8260D
Project: Griffiss AFB; Rome, NY

Date Sampled: 09/26/24
Date Received: 09/27/24
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	1A59609.D	1	10/01/24 13:35	JW	n/a	n/a	V1A3062
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation DL = Detection 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:	789MW-216_0924		
Lab Sample ID:	FC19141-3	**Date Sampled:**	09/26/24
Matrix:	AQ - Ground Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate [b]	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		83-118%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789MW-216_0924		
Lab Sample ID:	FC19141-3	**Date Sampled:**	09/26/24
Matrix:	AQ - Ground Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	106%		79-125%
2037-26-5	Toluene-D8	96%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

(a) Sample was treated with an anti-foaming agent.
(b) Associated CCV outside of DOD QSM control limits high, sample is ND.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	789SW-02_0924		
Lab Sample ID:	FC19141-6	**Date Sampled:**	09/26/24
Matrix:	AQ - Ground Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A59612.D	1	10/01/24 14:47	JW	n/a	n/a	V1A3062
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.37	1.0	0.50	0.30	ug/l	J
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789SW-02_0924		
Lab Sample ID:	FC19141-6	**Date Sampled:**	09/26/24
Matrix:	AQ - Ground Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate [a]	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		83-118%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789SW-02_0924		
Lab Sample ID:	FC19141-6	**Date Sampled:**	09/26/24
Matrix:	AQ - Ground Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	107%		79-125%
2037-26-5	Toluene-D8	95%		85-112%
460-00-4	4-Bromofluorobenzene	102%		83-118%

(a) Associated CCV outside of DOD QSM control limits high, sample is ND.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	789SW-03_0924		
Lab Sample ID:	FC19141-7	**Date Sampled:**	09/26/24
Matrix:	AQ - Ground Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A59613.D	1	10/01/24 15:11	JW	n/a	n/a	V1A3062
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.45	1.0	0.50	0.31	ug/l	J
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.37	1.0	0.50	0.30	ug/l	J
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789SW-03_0924		
Lab Sample ID:	FC19141-7	**Date Sampled:**	09/26/24
Matrix:	AQ - Ground Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate [a]	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		83-118%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789SW-03_0924		
Lab Sample ID:	FC19141-7	**Date Sampled:**	09/26/24
Matrix:	AQ - Ground Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	105%		79-125%
2037-26-5	Toluene-D8	95%		85-112%
460-00-4	4-Bromofluorobenzene	102%		83-118%

(a) Associated CCV outside of DOD QSM control limits high, sample is ND.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	789SW-04_0924		
Lab Sample ID:	FC19141-8	**Date Sampled:**	09/26/24
Matrix:	AQ - Ground Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A59614.D	1	10/01/24 15:36	JW	n/a	n/a	V1A3062
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.36	1.0	0.50	0.30	ug/l	J
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789SW-04_0924		
Lab Sample ID:	FC19141-8	**Date Sampled:**	09/26/24
Matrix:	AQ - Ground Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate [a]	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		83-118%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789SW-04_0924		
Lab Sample ID:	FC19141-8	**Date Sampled:**	09/26/24
Matrix:	AQ - Ground Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	107%		79-125%
2037-26-5	Toluene-D8	95%		85-112%
460-00-4	4-Bromofluorobenzene	101%		83-118%

(a) Associated CCV outside of DOD QSM control limits high, sample is ND.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5.x Limits

SGS North America Inc - Orlando

Chain of Custody

4405 Vineland Road, Suite C-15 Orlando, Fl 32811
TEL. 407-425-6700 FAX: 407-425-0707
www.sgs.com

SGS - ORLANDO JOB # : FC19141 PAGE 1 OF 1

SGS - ORLANDO Quote #

Client / Reporting Information

Company Name: FPM Remediations
Address: 181 Kenwood Ave
City: Oneida State: NY Zip: 13421
Project Contact: Joshua Wenzel Email: j.wenzel@fpm-remediations.com
Phone #: (315) 269-6913
Sampler(s) Name(s) (Printed)
Sampler 1: Gavin Wilbert Sampler 2: Angelo Sinisgalli

Project Information

Project Name: Griffiss Former AFB
Street 640 Hangar Road
City Rome State NY
Project # 2017-24-01
Fax #
Client Purchase Order #

Analytical Information

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL- Sludge; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid

SGS Orlando Sample #	Field ID / Point of Collection	Collection DATE	Collection TIME	Sampled By:	Matrix	Total # of Bottles	Container Information	8260D - VOCs	LAB USE ONLY
1	782VMW-81_0924	9/26/2024	1118	AS	GW	3	HCl	X	
2	782VMW-81_0924-A	9/26/2024	1121	AS	GW	3	HCl	X	
3	789MW-216_0924	9/26/2024	1252	AS	GW	3	HCl	X	
4	782VMW-101_0924	9/26/2024	1456	AS	GW	3	HCl	X	
5	782SW-115_0924	9/26/2024	1518	AS	GW	3	HCl	X	
6	789SW-02_0924	9/26/2024	1548	AS	GW	3	HCl	X	
7	789SW-03_0924	9/26/2024	1609	AS	GW	3	HCl	X	
8	789SW-04_0924	9/26/2024	1618	AS	GW	3	HCl	X	
9	TB-03-0924	9/26/2024	PRE-FILLED			2	HCl	X	

Turnaround Time (Business days)

10 Day (Business) Approved By: / Date:
7 Day
5 Day
3 Day *RUSH*
2 Day *RUSH*
1 Day *RUSH*
Other
Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULLT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

Temp Blank included

INITIAL ASSESSMENT
LABEL VERIFICATION

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

	Relinquished by Sampler/Affiliation	Date Time:	Received By/Affiliation	Relinquished By/Affiliation	Date Time:	Received By/Affiliation
1	GW/SA	9/26/24 1617	2	3		4 09/27/24 930
5	Relinquished by/Affiliation	Date Time:	6 Received By/Affiliation	7 Relinquished By/Affiliation	Date Time:	8 Received By/Affiliation

Lab Use Only : Cooler Temperature (s) Celsius (corrected): 4.4 Trc #1

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

ORLD-SMT-0001-03-FORM-COC (4).xls Rev 031318

FC19141A: Chain of Custody
Page 1 of 2

SGS - Orlando Sample Receipt Summary

Job Number: fc19141 **Client:** FPM REMEDIATIONS **Project:** GRIFFISS FORMER AFB

Date / Time Received: 9/27/2024 9:30:00 AM **Delivery Method:** FED EX **Airbill #'s:** 4004 9002 3733

Cooler Temps (Raw Measured) °C: Cooler 1: (4.4);

Cooler Temps (Corrected) °C: Cooler 1: (4.2);

Cooler Information	Y	or	N
1. Custody Seals Present:	☑		☐
2. Custody Seals Intact:	☑		☐
3. Temp criteria achieved:	☑		☐
4. Cooler temp verification:	IR Gun		
5. Cooler media:	Ice (Bag)		

Trip Blank Information	Y	or	N	N/A
1. Trip Blank present / cooler:	☑		☐	☐
2. Trip Blank listed on COC:	☑		☐	☐

	W	or	S	N/A
3. Type of TB Received	☑		☐	☐

Sample Information	Y	or	N	N/A
1. Sample labels present on bottles:	☑		☐	
2. Samples presented properly	☑		☐	
3. Sufficient volume/containers recv'd for analysis	☑		☐	
4. Condition of sample:	Intact			
5. Sample recv'd within HT	☑		☐	
6. Dates/Times/IDs on COC match sample label	☑		☐	
7. VOCs have headspace	☐		☑	☐
8. Bottles received for unspecified tests	☐		☑	
9. Compositing instructions clear	☐		☐	☑
10. Voa Soil Kits/Jars received past 48hrs?	☐		☐	☑
11. % Solids Jar Received?	☐		☐	☑
12. Residual Chlorine Present?	☐		☐	☑

Misc Information

Number of Encores: 25 Gram 5 Gram

Test Strip Lot #s: pH 0-3: 226422 pH 10-12:

Residual Chlorine Test Strip Lot #

Number of Lab Filtered Metals:

Other: (Specify) pH 1.0 - 12.0 222221

Comments

Sample Receipt Summary 112723 EK Technician: SHAYLAP Date: 9/27/2024 1:11:29 PM Reviewer: Date:

QC Evaluation: DOD QSM5.x Limits

Job Number: FC19141A
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 09/26/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
V1A3062	SW846 8260D						
V1A3062-BS	67-64-1	Acetone	BSP	REC	118	%	39-160
V1A3062-BS	71-43-2	Benzene	BSP	REC	111	%	79-120
V1A3062-BS	108-86-1	Bromobenzene	BSP	REC	102	%	80-120
V1A3062-BS	74-97-5	Bromochloromethane	BSP	REC	97	%	78-123
V1A3062-BS	75-27-4	Bromodichloromethane	BSP	REC	109	%	79-125
V1A3062-BS	75-25-2	Bromoform	BSP	REC	114	%	66-130
V1A3062-BS	78-93-3	2-Butanone (MEK)	BSP	REC	114	%	56-143
V1A3062-BS	104-51-8	n-Butylbenzene	BSP	REC	101	%	75-128
V1A3062-BS	135-98-8	sec-Butylbenzene	BSP	REC	101	%	77-126
V1A3062-BS	98-06-6	tert-Butylbenzene	BSP	REC	106	%	78-124
V1A3062-BS	75-15-0	Carbon Disulfide	BSP	REC	98	%	64-133
V1A3062-BS	56-23-5	Carbon Tetrachloride	BSP	REC	113	%	72-136
V1A3062-BS	108-90-7	Chlorobenzene	BSP	REC	102	%	82-118
V1A3062-BS	75-00-3	Chloroethane	BSP	REC	89	%	60-138
V1A3062-BS	67-66-3	Chloroform	BSP	REC	109	%	79-124
V1A3062-BS	95-49-8	o-Chlorotoluene	BSP	REC	105	%	79-122
V1A3062-BS	106-43-4	p-Chlorotoluene	BSP	REC	107	%	78-122
V1A3062-BS	124-48-1	Dibromochloromethane	BSP	REC	116	%	74-126
V1A3062-BS	96-12-8	1,2-Dibromo-3-chloropropane	BSP	REC	120	%	62-128
V1A3062-BS	106-93-4	1,2-Dibromoethane	BSP	REC	110	%	77-121
V1A3062-BS	75-71-8	Dichlorodifluoromethane	BSP	REC	110	%	32-152
V1A3062-BS	95-50-1	1,2-Dichlorobenzene	BSP	REC	102	%	80-119
V1A3062-BS	541-73-1	1,3-Dichlorobenzene	BSP	REC	101	%	80-119
V1A3062-BS	106-46-7	1,4-Dichlorobenzene	BSP	REC	102	%	79-118
V1A3062-BS	75-34-3	1,1-Dichloroethane	BSP	REC	111	%	77-125
V1A3062-BS	107-06-2	1,2-Dichloroethane	BSP	REC	114	%	73-128
V1A3062-BS	75-35-4	1,1-Dichloroethylene	BSP	REC	118	%	71-131
V1A3062-BS	156-59-2	cis-1,2-Dichloroethylene	BSP	REC	107	%	78-123
V1A3062-BS	156-60-5	trans-1,2-Dichloroethylene	BSP	REC	116	%	75-124
V1A3062-BS	540-59-0	1,2-Dichloroethene (total)	BSP	REC	111	%	79-121
V1A3062-BS	78-87-5	1,2-Dichloropropane	BSP	REC	108	%	78-122
V1A3062-BS	142-28-9	1,3-Dichloropropane	BSP	REC	111	%	80-119
V1A3062-BS	594-20-7	2,2-Dichloropropane	BSP	REC	121	%	60-139
V1A3062-BS	563-58-6	1,1-Dichloropropene	BSP	REC	124	%	79-125
V1A3062-BS	10061-01-5	cis-1,3-Dichloropropene	BSP	REC	111	%	75-124
V1A3062-BS	10061-02-6	trans-1,3-Dichloropropene	BSP	REC	95	%	73-127
V1A3062-BS	100-41-4	Ethylbenzene	BSP	REC	101	%	79-121
V1A3062-BS	87-68-3	Hexachlorobutadiene	BSP	REC	110	%	66-134
V1A3062-BS	591-78-6	2-Hexanone	BSP	REC	118	%	57-139
V1A3062-BS	98-82-8	Isopropylbenzene	BSP	REC	106	%	72-131
V1A3062-BS	99-87-6	p-Isopropyltoluene	BSP	REC	104	%	77-127
V1A3062-BS	74-83-9	Methyl Bromide	BSP	REC	96	%	53-141

* Sample used for QC is not from job FC19141A

QC Evaluation: DOD QSM5.x Limits

Job Number: FC19141A
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 09/26/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
V1A3062-BS	74-87-3	Methyl Chloride	BSP	REC	102	%	50-139
V1A3062-BS	74-95-3	Methylene Bromide	BSP	REC	106	%	79-123
V1A3062-BS	75-09-2	Methylene Chloride	BSP	REC	114	%	74-124
V1A3062-BS	108-10-1	4-Methyl-2-pentanone (MIBK)	BSP	REC	112	%	67-130
V1A3062-BS	1634-04-4	Methyl Tert Butyl Ether	BSP	REC	106	%	71-124
V1A3062-BS	91-20-3	Naphthalene	BSP	REC	121	%	61-128
V1A3062-BS	103-65-1	n-Propylbenzene	BSP	REC	104	%	76-126
V1A3062-BS	100-42-5	Styrene	BSP	REC	108	%	78-123
V1A3062-BS	630-20-6	1,1,1,2-Tetrachloroethane	BSP	REC	115	%	78-124
V1A3062-BS	79-34-5	1,1,2,2-Tetrachloroethane	BSP	REC	111	%	71-121
V1A3062-BS	127-18-4	Tetrachloroethylene	BSP	REC	102	%	74-129
V1A3062-BS	108-88-3	Toluene	BSP	REC	107	%	80-121
V1A3062-BS	87-61-6	1,2,3-Trichlorobenzene	BSP	REC	124	%	69-129
V1A3062-BS	120-82-1	1,2,4-Trichlorobenzene	BSP	REC	113	%	69-130
V1A3062-BS	71-55-6	1,1,1-Trichloroethane	BSP	REC	117	%	74-131
V1A3062-BS	79-00-5	1,1,2-Trichloroethane	BSP	REC	106	%	80-119
V1A3062-BS	79-01-6	Trichloroethylene	BSP	REC	111	%	79-123
V1A3062-BS	75-69-4	Trichlorofluoromethane	BSP	REC	89	%	65-141
V1A3062-BS	96-18-4	1,2,3-Trichloropropane	BSP	REC	113	%	73-122
V1A3062-BS	95-63-6	1,2,4-Trimethylbenzene	BSP	REC	109	%	76-124
V1A3062-BS	108-67-8	1,3,5-Trimethylbenzene	BSP	REC	111	%	75-124
V1A3062-BS	108-05-4	Vinyl Acetate	BSP	REC	130	%	54-146
V1A3062-BS	75-01-4	Vinyl Chloride	BSP	REC	97	%	58-137
V1A3062-BS		m,p-Xylene	BSP	REC	107	%	80-121
V1A3062-BS	95-47-6	o-Xylene	BSP	REC	104	%	78-122
V1A3062-BS	1330-20-7	Xylene (total)	BSP	REC	106	%	79-121
V1A3062-BS	1868-53-7	Dibromofluoromethane	BSP	SURR	99	%	80-119
V1A3062-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	104	%	81-118
V1A3062-BS	2037-26-5	Toluene-D8	BSP	SURR	98	%	89-112
V1A3062-BS	460-00-4	4-Bromofluorobenzene	BSP	SURR	100	%	85-114
FC19116-7MS*	67-64-1	Acetone	MS	REC	87	%	39-160
FC19116-7MS*	71-43-2	Benzene	MS	REC	107	%	79-120
FC19116-7MS*	108-86-1	Bromobenzene	MS	REC	96	%	80-120
FC19116-7MS*	74-97-5	Bromochloromethane	MS	REC	90	%	78-123
FC19116-7MS*	75-27-4	Bromodichloromethane	MS	REC	107	%	79-125
FC19116-7MS*	75-25-2	Bromoform	MS	REC	95	%	66-130
FC19116-7MS*	78-93-3	2-Butanone (MEK)	MS	REC	84	%	56-143
FC19116-7MS*	104-51-8	n-Butylbenzene	MS	REC	99	%	75-128
FC19116-7MS*	135-98-8	sec-Butylbenzene	MS	REC	98	%	77-126
FC19116-7MS*	98-06-6	tert-Butylbenzene	MS	REC	104	%	78-124
FC19116-7MS*	75-15-0	Carbon Disulfide	MS	REC	96	%	64-133
FC19116-7MS*	56-23-5	Carbon Tetrachloride	MS	REC	111	%	72-136
FC19116-7MS*	108-90-7	Chlorobenzene	MS	REC	97	%	82-118
FC19116-7MS*	75-00-3	Chloroethane	MS	REC	87	%	60-138
FC19116-7MS*	67-66-3	Chloroform	MS	REC	107	%	79-124

* Sample used for QC is not from job FC19141A

QC Evaluation: DOD QSM5.x Limits

Job Number: FC19141A
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 09/26/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FC19116-7MS*	95-49-8	o-Chlorotoluene	MS	REC	98	%	79-122
FC19116-7MS*	106-43-4	p-Chlorotoluene	MS	REC	101	%	78-122
FC19116-7MS*	124-48-1	Dibromochloromethane	MS	REC	104	%	74-126
FC19116-7MS*	96-12-8	1,2-Dibromo-3-chloropropane	MS	REC	98	%	62-128
FC19116-7MS*	106-93-4	1,2-Dibromoethane	MS	REC	97	%	77-121
FC19116-7MS*	75-71-8	Dichlorodifluoromethane	MS	REC	112	%	32-152
FC19116-7MS*	95-50-1	1,2-Dichlorobenzene	MS	REC	92	%	80-119
FC19116-7MS*	541-73-1	1,3-Dichlorobenzene	MS	REC	95	%	80-119
FC19116-7MS*	106-46-7	1,4-Dichlorobenzene	MS	REC	96	%	79-118
FC19116-7MS*	75-34-3	1,1-Dichloroethane	MS	REC	108	%	77-125
FC19116-7MS*	107-06-2	1,2-Dichloroethane	MS	REC	108	%	73-128
FC19116-7MS*	75-35-4	1,1-Dichloroethylene	MS	REC	118	%	71-131
FC19116-7MS*	156-59-2	cis-1,2-Dichloroethylene	MS	REC	104	%	78-123
FC19116-7MS*	156-60-5	trans-1,2-Dichloroethylene	MS	REC	112	%	75-124
FC19116-7MS*	540-59-0	1,2-Dichloroethene (total)	MS	REC	108	%	79-121
FC19116-7MS*	78-87-5	1,2-Dichloropropane	MS	REC	106	%	78-122
FC19116-7MS*	142-28-9	1,3-Dichloropropane	MS	REC	100	%	80-119
FC19116-7MS*	594-20-7	2,2-Dichloropropane	MS	REC	112	%	60-139
FC19116-7MS*	563-58-6	1,1-Dichloropropene	MS	REC	121	%	79-125
FC19116-7MS*	10061-01-5	cis-1,3-Dichloropropene	MS	REC	98	%	75-124
FC19116-7MS*	10061-02-6	trans-1,3-Dichloropropene	MS	REC	84	%	73-127
FC19116-7MS*	100-41-4	Ethylbenzene	MS	REC	96	%	79-121
FC19116-7MS*	87-68-3	Hexachlorobutadiene	MS	REC	96	%	66-134
FC19116-7MS*	591-78-6	2-Hexanone	MS	REC	86	%	57-139
FC19116-7MS*	98-82-8	Isopropylbenzene	MS	REC	100	%	72-131
FC19116-7MS*	99-87-6	p-Isopropyltoluene	MS	REC	102	%	77-127
FC19116-7MS*	74-83-9	Methyl Bromide	MS	REC	99	%	53-141
FC19116-7MS*	74-87-3	Methyl Chloride	MS	REC	108	%	50-139
FC19116-7MS*	74-95-3	Methylene Bromide	MS	REC	96	%	79-123
FC19116-7MS*	75-09-2	Methylene Chloride	MS	REC	109	%	74-124
FC19116-7MS*	108-10-1	4-Methyl-2-pentanone (MIBK)	MS	REC	88	%	67-130
FC19116-7MS*	1634-04-4	Methyl Tert Butyl Ether	MS	REC	92	%	71-124
FC19116-7MS*	91-20-3	Naphthalene	MS	REC	91	%	61-128
FC19116-7MS*	103-65-1	n-Propylbenzene	MS	REC	99	%	76-126
FC19116-7MS*	100-42-5	Styrene	MS	REC	98	%	78-123
FC19116-7MS*	630-20-6	1,1,1,2-Tetrachloroethane	MS	REC	108	%	78-124
FC19116-7MS*	79-34-5	1,1,2,2-Tetrachloroethane	MS	REC	94	%	71-121
FC19116-7MS*	127-18-4	Tetrachloroethylene	MS	REC	96	%	74-129
FC19116-7MS*	108-88-3	Toluene	MS	REC	101	%	80-121
FC19116-7MS*	87-61-6	1,2,3-Trichlorobenzene	MS	REC	97	%	69-129
FC19116-7MS*	120-82-1	1,2,4-Trichlorobenzene	MS	REC	96	%	69-130
FC19116-7MS*	71-55-6	1,1,1-Trichloroethane	MS	REC	115	%	74-131
FC19116-7MS*	79-00-5	1,1,2-Trichloroethane	MS	REC	97	%	80-119
FC19116-7MS*	79-01-6	Trichloroethylene	MS	REC	106	%	79-123
FC19116-7MS*	75-69-4	Trichlorofluoromethane	MS	REC	91	%	65-141

* Sample used for QC is not from job FC19141A

QC Evaluation: DOD QSM5.x Limits

Job Number: FC19141A
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 09/26/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FC19116-7MS*	96-18-4	1,2,3-Trichloropropane	MS	REC	94	%	73-122
FC19116-7MS*	95-63-6	1,2,4-Trimethylbenzene	MS	REC	106	%	76-124
FC19116-7MS*	108-67-8	1,3,5-Trimethylbenzene	MS	REC	105	%	75-124
FC19116-7MS*	108-05-4	Vinyl Acetate	MS	REC	105	%	54-146
FC19116-7MS*	75-01-4	Vinyl Chloride	MS	REC	101	%	58-137
FC19116-7MS*		m,p-Xylene	MS	REC	100	%	80-121
FC19116-7MS*	95-47-6	o-Xylene	MS	REC	98	%	78-122
FC19116-7MS*	1330-20-7	Xylene (total)	MS	REC	99	%	79-121
FC19116-7MS*	1868-53-7	Dibromofluoromethane	MS	SURR	99	%	80-119
FC19116-7MS*	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	104	%	81-118
FC19116-7MS*	2037-26-5	Toluene-D8	MS	SURR	98	%	89-112
FC19116-7MS*	460-00-4	4-Bromofluorobenzene	MS	SURR	100	%	85-114
FC19116-7MSD*	67-64-1	Acetone	MSD	REC	87	%	39-160
FC19116-7MSD*	67-64-1	Acetone	MSD	RPD	0	%	20
FC19116-7MSD*	71-43-2	Benzene	MSD	REC	104	%	79-120
FC19116-7MSD*	71-43-2	Benzene	MSD	RPD	0	%	20
FC19116-7MSD*	108-86-1	Bromobenzene	MSD	REC	93	%	80-120
FC19116-7MSD*	108-86-1	Bromobenzene	MSD	RPD	0	%	20
FC19116-7MSD*	74-97-5	Bromochloromethane	MSD	REC	91	%	78-123
FC19116-7MSD*	74-97-5	Bromochloromethane	MSD	RPD	0	%	20
FC19116-7MSD*	75-27-4	Bromodichloromethane	MSD	REC	105	%	79-125
FC19116-7MSD*	75-27-4	Bromodichloromethane	MSD	RPD	0	%	20
FC19116-7MSD*	75-25-2	Bromoform	MSD	REC	94	%	66-130
FC19116-7MSD*	75-25-2	Bromoform	MSD	RPD	0	%	20
FC19116-7MSD*	78-93-3	2-Butanone (MEK)	MSD	REC	81	%	56-143
FC19116-7MSD*	78-93-3	2-Butanone (MEK)	MSD	RPD	0	%	20
FC19116-7MSD*	104-51-8	n-Butylbenzene	MSD	REC	96	%	75-128
FC19116-7MSD*	104-51-8	n-Butylbenzene	MSD	RPD	0	%	20
FC19116-7MSD*	135-98-8	sec-Butylbenzene	MSD	REC	95	%	77-126
FC19116-7MSD*	135-98-8	sec-Butylbenzene	MSD	RPD	0	%	20
FC19116-7MSD*	98-06-6	tert-Butylbenzene	MSD	REC	100	%	78-124
FC19116-7MSD*	98-06-6	tert-Butylbenzene	MSD	RPD	0	%	20
FC19116-7MSD*	75-15-0	Carbon Disulfide	MSD	REC	93	%	64-133
FC19116-7MSD*	75-15-0	Carbon Disulfide	MSD	RPD	0	%	20
FC19116-7MSD*	56-23-5	Carbon Tetrachloride	MSD	REC	107	%	72-136
FC19116-7MSD*	56-23-5	Carbon Tetrachloride	MSD	RPD	0	%	20
FC19116-7MSD*	108-90-7	Chlorobenzene	MSD	REC	94	%	82-118
FC19116-7MSD*	108-90-7	Chlorobenzene	MSD	RPD	0	%	20
FC19116-7MSD*	75-00-3	Chloroethane	MSD	REC	90	%	60-138
FC19116-7MSD*	75-00-3	Chloroethane	MSD	RPD	0	%	20
FC19116-7MSD*	67-66-3	Chloroform	MSD	REC	106	%	79-124
FC19116-7MSD*	67-66-3	Chloroform	MSD	RPD	0	%	20
FC19116-7MSD*	95-49-8	o-Chlorotoluene	MSD	REC	97	%	79-122
FC19116-7MSD*	95-49-8	o-Chlorotoluene	MSD	RPD	0	%	20
FC19116-7MSD*	106-43-4	p-Chlorotoluene	MSD	REC	98	%	78-122

* Sample used for QC is not from job FC19141A

QC Evaluation: DOD QSM5.x Limits

Job Number: FC19141A
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 09/26/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FC19116-7MSD*	106-43-4	p-Chlorotoluene	MSD	RPD	0	%	20
FC19116-7MSD*	124-48-1	Dibromochloromethane	MSD	REC	105	%	74-126
FC19116-7MSD*	124-48-1	Dibromochloromethane	MSD	RPD	0	%	20
FC19116-7MSD*	96-12-8	1,2-Dibromo-3-chloropropane	MSD	REC	96	%	62-128
FC19116-7MSD*	96-12-8	1,2-Dibromo-3-chloropropane	MSD	RPD	0	%	20
FC19116-7MSD*	106-93-4	1,2-Dibromoethane	MSD	REC	98	%	77-121
FC19116-7MSD*	106-93-4	1,2-Dibromoethane	MSD	RPD	0	%	20
FC19116-7MSD*	75-71-8	Dichlorodifluoromethane	MSD	REC	109	%	32-152
FC19116-7MSD*	75-71-8	Dichlorodifluoromethane	MSD	RPD	0	%	20
FC19116-7MSD*	95-50-1	1,2-Dichlorobenzene	MSD	REC	94	%	80-119
FC19116-7MSD*	95-50-1	1,2-Dichlorobenzene	MSD	RPD	0	%	20
FC19116-7MSD*	541-73-1	1,3-Dichlorobenzene	MSD	REC	95	%	80-119
FC19116-7MSD*	541-73-1	1,3-Dichlorobenzene	MSD	RPD	0	%	20
FC19116-7MSD*	106-46-7	1,4-Dichlorobenzene	MSD	REC	94	%	79-118
FC19116-7MSD*	106-46-7	1,4-Dichlorobenzene	MSD	RPD	0	%	20
FC19116-7MSD*	75-34-3	1,1-Dichloroethane	MSD	REC	106	%	77-125
FC19116-7MSD*	75-34-3	1,1-Dichloroethane	MSD	RPD	0	%	20
FC19116-7MSD*	107-06-2	1,2-Dichloroethane	MSD	REC	109	%	73-128
FC19116-7MSD*	107-06-2	1,2-Dichloroethane	MSD	RPD	0	%	20
FC19116-7MSD*	75-35-4	1,1-Dichloroethylene	MSD	REC	115	%	71-131
FC19116-7MSD*	75-35-4	1,1-Dichloroethylene	MSD	RPD	0	%	20
FC19116-7MSD*	156-59-2	cis-1,2-Dichloroethylene	MSD	REC	102	%	78-123
FC19116-7MSD*	156-59-2	cis-1,2-Dichloroethylene	MSD	RPD	0	%	20
FC19116-7MSD*	156-60-5	trans-1,2-Dichloroethylene	MSD	REC	110	%	75-124
FC19116-7MSD*	156-60-5	trans-1,2-Dichloroethylene	MSD	RPD	0	%	20
FC19116-7MSD*	540-59-0	1,2-Dichloroethene (total)	MSD	REC	106	%	79-121
FC19116-7MSD*	540-59-0	1,2-Dichloroethene (total)	MSD	RPD	0	%	20
FC19116-7MSD*	78-87-5	1,2-Dichloropropane	MSD	REC	104	%	78-122
FC19116-7MSD*	78-87-5	1,2-Dichloropropane	MSD	RPD	0	%	20
FC19116-7MSD*	142-28-9	1,3-Dichloropropane	MSD	REC	100	%	80-119
FC19116-7MSD*	142-28-9	1,3-Dichloropropane	MSD	RPD	0	%	20
FC19116-7MSD*	594-20-7	2,2-Dichloropropane	MSD	REC	108	%	60-139
FC19116-7MSD*	594-20-7	2,2-Dichloropropane	MSD	RPD	0	%	20
FC19116-7MSD*	563-58-6	1,1-Dichloropropene	MSD	REC	116	%	79-125
FC19116-7MSD*	563-58-6	1,1-Dichloropropene	MSD	RPD	0	%	20
FC19116-7MSD*	10061-01-5	cis-1,3-Dichloropropene	MSD	REC	96	%	75-124
FC19116-7MSD*	10061-01-5	cis-1,3-Dichloropropene	MSD	RPD	0	%	20
FC19116-7MSD*	10061-02-6	trans-1,3-Dichloropropene	MSD	REC	82	%	73-127
FC19116-7MSD*	10061-02-6	trans-1,3-Dichloropropene	MSD	RPD	0	%	20
FC19116-7MSD*	100-41-4	Ethylbenzene	MSD	REC	93	%	79-121
FC19116-7MSD*	100-41-4	Ethylbenzene	MSD	RPD	0	%	20
FC19116-7MSD*	87-68-3	Hexachlorobutadiene	MSD	REC	94	%	66-134
FC19116-7MSD*	87-68-3	Hexachlorobutadiene	MSD	RPD	0	%	20
FC19116-7MSD*	591-78-6	2-Hexanone	MSD	REC	82	%	57-139
FC19116-7MSD*	591-78-6	2-Hexanone	MSD	RPD	0	%	20

* Sample used for QC is not from job FC19141A

QC Evaluation: DOD QSM5.x Limits

Job Number: FC19141A
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 09/26/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FC19116-7MSD*	98-82-8	Isopropylbenzene	MSD	REC	98	%	72-131
FC19116-7MSD*	98-82-8	Isopropylbenzene	MSD	RPD	0	%	20
FC19116-7MSD*	99-87-6	p-Isopropyltoluene	MSD	REC	98	%	77-127
FC19116-7MSD*	99-87-6	p-Isopropyltoluene	MSD	RPD	0	%	20
FC19116-7MSD*	74-83-9	Methyl Bromide	MSD	REC	99	%	53-141
FC19116-7MSD*	74-83-9	Methyl Bromide	MSD	RPD	0	%	20
FC19116-7MSD*	74-87-3	Methyl Chloride	MSD	REC	109	%	50-139
FC19116-7MSD*	74-87-3	Methyl Chloride	MSD	RPD	0	%	20
FC19116-7MSD*	74-95-3	Methylene Bromide	MSD	REC	96	%	79-123
FC19116-7MSD*	74-95-3	Methylene Bromide	MSD	RPD	0	%	20
FC19116-7MSD*	75-09-2	Methylene Chloride	MSD	REC	107	%	74-124
FC19116-7MSD*	75-09-2	Methylene Chloride	MSD	RPD	0	%	20
FC19116-7MSD*	108-10-1	4-Methyl-2-pentanone (MIBK)	MSD	REC	85	%	67-130
FC19116-7MSD*	108-10-1	4-Methyl-2-pentanone (MIBK)	MSD	RPD	0	%	20
FC19116-7MSD*	1634-04-4	Methyl Tert Butyl Ether	MSD	REC	91	%	71-124
FC19116-7MSD*	1634-04-4	Methyl Tert Butyl Ether	MSD	RPD	0	%	20
FC19116-7MSD*	91-20-3	Naphthalene	MSD	REC	95	%	61-128
FC19116-7MSD*	91-20-3	Naphthalene	MSD	RPD	0	%	20
FC19116-7MSD*	103-65-1	n-Propylbenzene	MSD	REC	97	%	76-126
FC19116-7MSD*	103-65-1	n-Propylbenzene	MSD	RPD	0	%	20
FC19116-7MSD*	100-42-5	Styrene	MSD	REC	96	%	78-123
FC19116-7MSD*	100-42-5	Styrene	MSD	RPD	0	%	20
FC19116-7MSD*	630-20-6	1,1,1,2-Tetrachloroethane	MSD	REC	106	%	78-124
FC19116-7MSD*	630-20-6	1,1,1,2-Tetrachloroethane	MSD	RPD	0	%	20
FC19116-7MSD*	79-34-5	1,1,2,2-Tetrachloroethane	MSD	REC	96	%	71-121
FC19116-7MSD*	79-34-5	1,1,2,2-Tetrachloroethane	MSD	RPD	0	%	20
FC19116-7MSD*	127-18-4	Tetrachloroethylene	MSD	REC	92	%	74-129
FC19116-7MSD*	127-18-4	Tetrachloroethylene	MSD	RPD	0	%	20
FC19116-7MSD*	108-88-3	Toluene	MSD	REC	97	%	80-121
FC19116-7MSD*	108-88-3	Toluene	MSD	RPD	0	%	20
FC19116-7MSD*	87-61-6	1,2,3-Trichlorobenzene	MSD	REC	97	%	69-129
FC19116-7MSD*	87-61-6	1,2,3-Trichlorobenzene	MSD	RPD	0	%	20
FC19116-7MSD*	120-82-1	1,2,4-Trichlorobenzene	MSD	REC	96	%	69-130
FC19116-7MSD*	120-82-1	1,2,4-Trichlorobenzene	MSD	RPD	0	%	20
FC19116-7MSD*	71-55-6	1,1,1-Trichloroethane	MSD	REC	112	%	74-131
FC19116-7MSD*	71-55-6	1,1,1-Trichloroethane	MSD	RPD	0	%	20
FC19116-7MSD*	79-00-5	1,1,2-Trichloroethane	MSD	REC	98	%	80-119
FC19116-7MSD*	79-00-5	1,1,2-Trichloroethane	MSD	RPD	0	%	20
FC19116-7MSD*	79-01-6	Trichloroethylene	MSD	REC	101	%	79-123
FC19116-7MSD*	79-01-6	Trichloroethylene	MSD	RPD	0	%	20
FC19116-7MSD*	75-69-4	Trichlorofluoromethane	MSD	REC	88	%	65-141
FC19116-7MSD*	75-69-4	Trichlorofluoromethane	MSD	RPD	0	%	20
FC19116-7MSD*	96-18-4	1,2,3-Trichloropropane	MSD	REC	94	%	73-122
FC19116-7MSD*	96-18-4	1,2,3-Trichloropropane	MSD	RPD	0	%	20
FC19116-7MSD*	95-63-6	1,2,4-Trimethylbenzene	MSD	REC	101	%	76-124

* Sample used for QC is not from job FC19141A

QC Evaluation: DOD QSM5.x Limits

Job Number: FC19141A
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 09/26/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FC19116-7MSD*	95-63-6	1,2,4-Trimethylbenzene	MSD	RPD	0	%	20
FC19116-7MSD*	108-67-8	1,3,5-Trimethylbenzene	MSD	REC	102	%	75-124
FC19116-7MSD*	108-67-8	1,3,5-Trimethylbenzene	MSD	RPD	0	%	20
FC19116-7MSD*	108-05-4	Vinyl Acetate	MSD	REC	99	%	54-146
FC19116-7MSD*	108-05-4	Vinyl Acetate	MSD	RPD	0	%	20
FC19116-7MSD*	75-01-4	Vinyl Chloride	MSD	REC	101	%	58-137
FC19116-7MSD*	75-01-4	Vinyl Chloride	MSD	RPD	0	%	20
FC19116-7MSD*		m,p-Xylene	MSD	REC	98	%	80-121
FC19116-7MSD*		m,p-Xylene	MSD	RPD	0	%	20
FC19116-7MSD*	95-47-6	o-Xylene	MSD	REC	94	%	78-122
FC19116-7MSD*	95-47-6	o-Xylene	MSD	RPD	0	%	20
FC19116-7MSD*	1330-20-7	Xylene (total)	MSD	REC	97	%	79-121
FC19116-7MSD*	1330-20-7	Xylene (total)	MSD	RPD	0	%	20
FC19116-7MSD*	1868-53-7	Dibromofluoromethane	MSD	SURR	101	%	80-119
FC19116-7MSD*	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	105	%	81-118
FC19116-7MSD*	2037-26-5	Toluene-D8	MSD	SURR	97	%	89-112
FC19116-7MSD*	460-00-4	4-Bromofluorobenzene	MSD	SURR	100	%	85-114
V1A3062-MB	1868-53-7	Dibromofluoromethane	MB	SURR	102	%	80-119
V1A3062-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	107	%	81-118
V1A3062-MB	2037-26-5	Toluene-D8	MB	SURR	96	%	89-112
V1A3062-MB	460-00-4	4-Bromofluorobenzene	MB	SURR	98	%	85-114
FC19141-3	1868-53-7	Dibromofluoromethane	SAMP	SURR	102	%	80-119
FC19141-3	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	106	%	81-118
FC19141-3	2037-26-5	Toluene-D8	SAMP	SURR	96	%	89-112
FC19141-3	460-00-4	4-Bromofluorobenzene	SAMP	SURR	100	%	85-114
FC19141-6	1868-53-7	Dibromofluoromethane	SAMP	SURR	104	%	80-119
FC19141-6	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	107	%	81-118
FC19141-6	2037-26-5	Toluene-D8	SAMP	SURR	95	%	89-112
FC19141-6	460-00-4	4-Bromofluorobenzene	SAMP	SURR	102	%	85-114
FC19141-7	1868-53-7	Dibromofluoromethane	SAMP	SURR	103	%	80-119
FC19141-7	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	105	%	81-118
FC19141-7	2037-26-5	Toluene-D8	SAMP	SURR	95	%	89-112
FC19141-7	460-00-4	4-Bromofluorobenzene	SAMP	SURR	102	%	85-114
FC19141-8	1868-53-7	Dibromofluoromethane	SAMP	SURR	104	%	80-119
FC19141-8	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	107	%	81-118
FC19141-8	2037-26-5	Toluene-D8	SAMP	SURR	95	%	89-112
FC19141-8	460-00-4	4-Bromofluorobenzene	SAMP	SURR	101	%	85-114

* Sample used for QC is not from job FC19141A

MS Volatiles

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QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: FC19141A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1A3062-MB [a]	1A59596.D	1	10/01/24	JW	n/a	n/a	V1A3062

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

FC19141-3, FC19141-6, FC19141-7, FC19141-8

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.37	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.45	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.24	ug/l	
75-25-2	Bromoform	ND	1.0	0.41	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.0	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.23	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.24	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.31	ug/l	
75-15-0	Carbon Disulfide	ND	2.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	ND	1.0	0.36	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.67	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.22	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.31	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.34	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	2.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.43	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.31	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.24	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

Method Blank Summary

Job Number: FC19141A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1A3062-MB [a]	1A59596.D	1	10/01/24	JW	n/a	n/a	V1A3062

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

FC19141-3, FC19141-6, FC19141-7, FC19141-8

CAS No.	Compound	Result	RL	MDL	Units	Q
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.30	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.22	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
74-83-9	Methyl Bromide	ND	5.0	2.0	ug/l	
74-87-3	Methyl Chloride	ND	2.0	0.50	ug/l	
74-95-3	Methylene Bromide	ND	2.0	0.37	ug/l	
75-09-2	Methylene Chloride	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.23	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.29	ug/l	
100-42-5	Styrene	ND	1.0	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.47	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.35	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	0.27	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
75-01-4	Vinyl Chloride	ND	1.0	0.41	ug/l	
	m,p-Xylene	ND	2.0	0.47	ug/l	
95-47-6	o-Xylene	ND	1.0	0.26	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	

Method Blank Summary

Job Number: FC19141A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1A3062-MB [a]	1A59596.D	1	10/01/24	JW	n/a	n/a	V1A3062

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

FC19141-3, FC19141-6, FC19141-7, FC19141-8

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	102%	83-118%
17060-07-0	1,2-Dichloroethane-D4	107%	79-125%
2037-26-5	Toluene-D8	96%	85-112%
460-00-4	4-Bromofluorobenzene	98%	83-118%

(a) Sample was treated with an anti-foaming agent.

Blank Spike Summary

Job Number: FC19141A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1A3062-BS	1A59593.D	1	10/01/24	JW	n/a	n/a	V1A3062

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

FC19141-3, FC19141-6, FC19141-7, FC19141-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	147	118	50-147
71-43-2	Benzene	25	27.7	111	81-122
108-86-1	Bromobenzene	25	25.5	102	80-121
74-97-5	Bromochloromethane	25	24.3	97	76-123
75-27-4	Bromodichloromethane	25	27.3	109	79-123
75-25-2	Bromoform	25	28.5	114	66-123
78-93-3	2-Butanone (MEK)	125	143	114	56-143
104-51-8	n-Butylbenzene	25	25.3	101	79-126
135-98-8	sec-Butylbenzene	25	25.2	101	83-133
98-06-6	tert-Butylbenzene	25	26.4	106	80-133
75-15-0	Carbon Disulfide	25	24.5	98	66-148
56-23-5	Carbon Tetrachloride	25	28.2	113	76-136
108-90-7	Chlorobenzene	25	25.6	102	82-124
75-00-3	Chloroethane	25	22.3	89	62-144
67-66-3	Chloroform	25	27.2	109	80-124
95-49-8	o-Chlorotoluene	25	26.3	105	81-127
106-43-4	p-Chlorotoluene	25	26.7	107	83-130
124-48-1	Dibromochloromethane	25	29.1	116	78-122
96-12-8	1,2-Dibromo-3-chloropropane	25	30.0	120	64-123
106-93-4	1,2-Dibromoethane	25	27.5	110	75-120
75-71-8	Dichlorodifluoromethane	25	27.5	110	42-167
95-50-1	1,2-Dichlorobenzene	25	25.5	102	82-124
541-73-1	1,3-Dichlorobenzene	25	25.3	101	84-125
106-46-7	1,4-Dichlorobenzene	25	25.5	102	78-120
75-34-3	1,1-Dichloroethane	25	27.8	111	81-122
107-06-2	1,2-Dichloroethane	25	28.6	114	75-125
75-35-4	1,1-Dichloroethylene	25	29.6	118	78-137
156-59-2	cis-1,2-Dichloroethylene	25	26.8	107	78-120
156-60-5	trans-1,2-Dichloroethylene	25	28.9	116	76-127
540-59-0	1,2-Dichloroethene (total)	50	55.7	111	77-122
78-87-5	1,2-Dichloropropane	25	26.9	108	76-124
142-28-9	1,3-Dichloropropane	25	27.8	111	80-118
594-20-7	2,2-Dichloropropane	25	30.3	121	74-139
563-58-6	1,1-Dichloropropene	25	31.1	124	79-131
10061-01-5	cis-1,3-Dichloropropene	25	27.8	111	75-118
10061-02-6	trans-1,3-Dichloropropene	25	23.8	95	80-120

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FC19141A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1A3062-BS	1A59593.D	1	10/01/24	JW	n/a	n/a	V1A3062

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

FC19141-3, FC19141-6, FC19141-7, FC19141-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
100-41-4	Ethylbenzene	25	25.3	101	81-121
87-68-3	Hexachlorobutadiene	25	27.6	110	75-142
591-78-6	2-Hexanone	125	147	118	61-129
98-82-8	Isopropylbenzene	25	26.5	106	83-132
99-87-6	p-Isopropyltoluene	25	25.9	104	79-130
74-83-9	Methyl Bromide	25	24.1	96	59-143
74-87-3	Methyl Chloride	25	25.6	102	50-159
74-95-3	Methylene Bromide	25	26.5	106	78-119
75-09-2	Methylene Chloride	25	28.5	114	69-135
108-10-1	4-Methyl-2-pentanone (MIBK)	125	140	112	66-122
1634-04-4	Methyl Tert Butyl Ether	25	26.4	106	72-117
91-20-3	Naphthalene	25	30.2	121	63-132
103-65-1	n-Propylbenzene	25	26.0	104	82-133
100-42-5	Styrene	25	27.0	108	78-119
630-20-6	1,1,1,2-Tetrachloroethane	25	28.8	115	77-122
79-34-5	1,1,2,2-Tetrachloroethane	25	27.7	111	72-120
127-18-4	Tetrachloroethylene	25	25.6	102	76-135
108-88-3	Toluene	25	26.7	107	80-120
87-61-6	1,2,3-Trichlorobenzene	25	31.0	124	68-131
120-82-1	1,2,4-Trichlorobenzene	25	28.3	113	73-129
71-55-6	1,1,1-Trichloroethane	25	29.3	117	75-130
79-00-5	1,1,2-Trichloroethane	25	26.6	106	76-119
79-01-6	Trichloroethylene	25	27.8	111	81-126
75-69-4	Trichlorofluoromethane	25	22.3	89	71-156
96-18-4	1,2,3-Trichloropropane	25	28.3	113	77-120
95-63-6	1,2,4-Trimethylbenzene	25	27.2	109	79-120
108-67-8	1,3,5-Trimethylbenzene	25	27.7	111	79-120
108-05-4	Vinyl Acetate	125	162	130	43-154
75-01-4	Vinyl Chloride	25	24.3	97	69-159
	m,p-Xylene	50	53.4	107	79-126
95-47-6	o-Xylene	25	26.1	104	80-127
1330-20-7	Xylene (total)	75	79.4	106	80-126

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FC19141A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1A3062-BS	1A59593.D	1	10/01/24	JW	n/a	n/a	V1A3062

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

FC19141-3, FC19141-6, FC19141-7, FC19141-8

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	83-118%
17060-07-0	1,2-Dichloroethane-D4	104%	79-125%
2037-26-5	Toluene-D8	98%	85-112%
460-00-4	4-Bromofluorobenzene	100%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FC19141A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FC19116-7MS	1A59619.D	1	10/01/24	JW	n/a	n/a	V1A3062
FC19116-7MSD	1A59620.D	1	10/01/24	JW	n/a	n/a	V1A3062
FC19116-7	1A59598.D	1	10/01/24	JW	n/a	n/a	V1A3062

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

FC19141-3, FC19141-6, FC19141-7, FC19141-8

CAS No.	Compound	FC19116-7 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	25 U		125	109	87	125	109	87	0	50-147/21
71-43-2	Benzene	1.0 U		25	26.7	107	25	26.1	104	0	81-122/14
108-86-1	Bromobenzene	1.0 U		25	23.9	96	25	23.3	93	0	80-121/14
74-97-5	Bromochloromethane	1.0 U		25	22.6	90	25	22.7	91	0	76-123/14
75-27-4	Bromodichloromethane	1.0 U		25	26.7	107	25	26.2	105	0	79-123/19
75-25-2	Bromoform	1.0 U		25	23.8	95	25	23.5	94	0	66-123/21
78-93-3	2-Butanone (MEK)	5.0 U		125	105	84	125	101	81	0	56-143/18
104-51-8	n-Butylbenzene	1.0 U		25	24.7	99	25	23.9	96	0	79-126/16
135-98-8	sec-Butylbenzene	1.0 U		25	24.5	98	25	23.7	95	0	83-133/16
98-06-6	tert-Butylbenzene	1.0 U		25	25.9	104	25	24.9	100	0	80-133/16
75-15-0	Carbon Disulfide	2.0 U		25	24.1	96	25	23.3	93	0	66-148/23
56-23-5	Carbon Tetrachloride	1.0 U		25	27.7	111	25	26.7	107	0	76-136/23
108-90-7	Chlorobenzene	1.0 U		25	24.2	97	25	23.4	94	0	82-124/14
75-00-3	Chloroethane	2.0 U		25	21.7	87	25	22.6	90	0	62-144/20
67-66-3	Chloroform	1.0 U		25	26.7	107	25	26.6	106	0	80-124/15
95-49-8	o-Chlorotoluene	1.0 U		25	24.5	98	25	24.3	97	0	81-127/15
106-43-4	p-Chlorotoluene	1.0 U		25	25.2	101	25	24.5	98	0	83-130/15
124-48-1	Dibromochloromethane	1.0 U		25	26.0	104	25	26.2	105	0	78-122/19
96-12-8	1,2-Dibromo-3-chloropropane	5.0 U		25	24.5	98	25	23.9	96	0	64-123/18
106-93-4	1,2-Dibromoethane	2.0 U		25	24.2	97	25	24.6	98	0	75-120/13
75-71-8	Dichlorodifluoromethane	2.0 U		25	27.9	112	25	27.2	109	0	42-167/19
95-50-1	1,2-Dichlorobenzene	1.0 U		25	23.0	92	25	23.4	94	0	82-124/14
541-73-1	1,3-Dichlorobenzene	1.0 U		25	23.7	95	25	23.7	95	0	84-125/14
106-46-7	1,4-Dichlorobenzene	1.0 U		25	24.1	96	25	23.5	94	0	78-120/15
75-34-3	1,1-Dichloroethane	1.0 U		25	27.0	108	25	26.4	106	0	81-122/15
107-06-2	1,2-Dichloroethane	1.0 U		25	27.1	108	25	27.2	109	0	75-125/14
75-35-4	1,1-Dichloroethylene	1.0 U		25	29.6	118	25	28.8	115	0	78-137/18
156-59-2	cis-1,2-Dichloroethylene	1.0 U		25	26.0	104	25	25.4	102	0	78-120/15
156-60-5	trans-1,2-Dichloroethylene	1.0 U		25	28.1	112	25	27.6	110	0	76-127/17
540-59-0	1,2-Dichloroethene (total)	2.0 U		50	54.1	108	50	53.0	106	0	77-122/15
78-87-5	1,2-Dichloropropane	1.0 U		25	26.4	106	25	25.9	104	0	76-124/14
142-28-9	1,3-Dichloropropane	1.0 U		25	24.9	100	25	25.1	100	0	80-118/13
594-20-7	2,2-Dichloropropane	1.0 U		25	28.0	112	25	26.9	108	0	74-139/17
563-58-6	1,1-Dichloropropene	1.0 U		25	30.2	121	25	29.0	116	0	79-131/16
10061-01-5	cis-1,3-Dichloropropene	1.0 U		25	24.5	98	25	24.0	96	0	75-118/23
10061-02-6	trans-1,3-Dichloropropene	1.0 U		25	21.0	84	25	20.6	82	0	80-120/22

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FC19141A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FC19116-7MS	1A59619.D	1	10/01/24	JW	n/a	n/a	V1A3062
FC19116-7MSD	1A59620.D	1	10/01/24	JW	n/a	n/a	V1A3062
FC19116-7	1A59598.D	1	10/01/24	JW	n/a	n/a	V1A3062

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

FC19141-3, FC19141-6, FC19141-7, FC19141-8

CAS No.	Compound	FC19116-7 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
100-41-4	Ethylbenzene	1.0 U		25	24.1	96	25	23.3	93	0	81-121/14
87-68-3	Hexachlorobutadiene	2.0 U		25	24.0	96	25	23.6	94	0	75-142/19
591-78-6	2-Hexanone	10 U		125	107	86	125	103	82	0	61-129/18
98-82-8	Isopropylbenzene	1.0 U		25	25.1	100	25	24.4	98	0	83-132/15
99-87-6	p-Isopropyltoluene	1.0 U		25	25.4	102	25	24.4	98	0	79-130/16
74-83-9	Methyl Bromide	5.0 U		25	24.7	99	25	24.8	99	0	59-143/19
74-87-3	Methyl Chloride	2.0 U		25	27.1	108	25	27.2	109	0	50-159/19
74-95-3	Methylene Bromide	2.0 U		25	24.1	96	25	24.1	96	0	78-119/14
75-09-2	Methylene Chloride	5.0 U		25	27.2	109	25	26.7	107	0	69-135/16
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0 U		125	110	88	125	106	85	0	66-122/16
1634-04-4	Methyl Tert Butyl Ether	1.0 U		25	23.1	92	25	22.7	91	0	72-117/14
91-20-3	Naphthalene	5.0 U		25	22.8	91	25	23.7	95	0	63-132/25
103-65-1	n-Propylbenzene	1.0 U		25	24.8	99	25	24.2	97	0	82-133/15
100-42-5	Styrene	1.0 U		25	24.5	98	25	24.1	96	0	78-119/23
630-20-6	1,1,1,2-Tetrachloroethane	1.0 U		25	26.9	108	25	26.5	106	0	77-122/19
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U		25	23.6	94	25	23.9	96	0	72-120/14
127-18-4	Tetrachloroethylene	1.0 U		25	24.0	96	25	22.9	92	0	76-135/16
108-88-3	Toluene	1.0 U		25	25.2	101	25	24.3	97	0	80-120/14
87-61-6	1,2,3-Trichlorobenzene	2.0 U		25	24.3	97	25	24.3	97	0	68-131/25
120-82-1	1,2,4-Trichlorobenzene	2.0 U		25	24.1	96	25	24.0	96	0	73-129/20
71-55-6	1,1,1-Trichloroethane	1.0 U		25	28.8	115	25	28.1	112	0	75-130/16
79-00-5	1,1,2-Trichloroethane	1.0 U		25	24.3	97	25	24.5	98	0	76-119/14
79-01-6	Trichloroethylene	1.0 U		25	26.5	106	25	25.2	101	0	81-126/15
75-69-4	Trichlorofluoromethane	2.0 U		25	22.7	91	25	22.1	88	0	71-156/21
96-18-4	1,2,3-Trichloropropane	2.0 U		25	23.5	94	25	23.5	94	0	77-120/16
95-63-6	1,2,4-Trimethylbenzene	1.0 U		25	26.4	106	25	25.2	101	0	79-120/18
108-67-8	1,3,5-Trimethylbenzene	1.0 U		25	26.2	105	25	25.5	102	0	79-120/19
108-05-4	Vinyl Acetate	10 U		125	131	105	125	124	99	0	43-154/14
75-01-4	Vinyl Chloride	1.0 U		25	25.3	101	25	25.2	101	0	69-159/18
	m,p-Xylene	2.0 U		50	50.2	100	50	48.9	98	0	79-126/15
95-47-6	o-Xylene	1.0 U		25	24.4	98	25	23.6	94	0	80-127/14
1330-20-7	Xylene (total)	3.0 U		75	74.6	99	75	72.4	97	0	80-126/15

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FC19141A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FC19116-7MS	1A59619.D	1	10/01/24	JW	n/a	n/a	V1A3062
FC19116-7MSD	1A59620.D	1	10/01/24	JW	n/a	n/a	V1A3062
FC19116-7	1A59598.D	1	10/01/24	JW	n/a	n/a	V1A3062

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

FC19141-3, FC19141-6, FC19141-7, FC19141-8

CAS No.	Surrogate Recoveries	MS	MSD	FC19116-7	Limits
1868-53-7	Dibromofluoromethane	99%	101%	102%	83-118%
17060-07-0	1,2-Dichloroethane-D4	104%	105%	107%	79-125%
2037-26-5	Toluene-D8	98%	97%	97%	85-112%
460-00-4	4-Bromofluorobenzene	100%	100%	100%	83-118%

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: FC19141A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1A3047-BFB
Lab File ID: 1A59227.D
Instrument ID: GCMS1A
Injection Date: 09/18/24
Injection Time: 07:29

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
95	Base peak, 100% relative abundance	38776	100.0		Pass
96	5.0 - 9.0% of mass 95	2651	6.84		Pass
173	Less than 2.0% of mass 174	293	0.76	(0.82) [a]	Pass
174	50.0 - 200.0% of mass 95	35837	92.4		Pass
175	5.0 - 9.0% of mass 174	2577	6.65	(7.19) [a]	Pass
176	95.0 - 105.0% of mass 174	34475	88.9	(96.2) [a]	Pass
177	5.0 - 10.0% of mass 176	2270	5.85	(6.58) [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
V1A3047-IC3047	1A59229.D	09/18/24	08:10	00:41	Initial cal 1
V1A3047-IC3047	1A59231.D	09/18/24	08:42	01:13	Initial cal 8
V1A3047-IC3047	1A59233.D	09/18/24	09:14	01:45	Initial cal 2
V1A3047-IC3047	1A59235.D	09/18/24	09:46	02:17	Initial cal 3
V1A3047-IC3047	1A59237.D	09/18/24	10:18	02:49	Initial cal 4
V1A3047-ICC3047	1A59239.D	09/18/24	10:51	03:22	Initial cal 5
V1A3047-IC3047	1A59241.D	09/18/24	11:23	03:54	Initial cal 6
V1A3047-IC3047	1A59243.D	09/18/24	11:55	04:26	Initial cal 7
V1A3047-ICV3047	1A59249.D	09/18/24	13:31	06:02	Initial cal verification 5
V1A3047-ICV3047	1A59251.D	09/18/24	14:03	06:34	Initial cal verification 4
V1A3047-BS	1A59251A.D	09/18/24	14:03	06:34	Blank Spike
V1A3047-MB	1A59257.D	09/18/24	15:40	08:11	Method Blank
FC18845-2	1A59259.D	09/18/24	16:12	08:43	(used for QC only; not part of job FC19141A)
ZZZZZZ	1A59261.D	09/18/24	16:44	09:15	(unrelated sample)
ZZZZZZ	1A59263.D	09/18/24	17:16	09:47	(unrelated sample)
ZZZZZZ	1A59265.D	09/18/24	17:48	10:19	(unrelated sample)
ZZZZZZ	1A59267.D	09/18/24	18:20	10:51	(unrelated sample)
ZZZZZZ	1A59269.D	09/18/24	18:52	11:23	(unrelated sample)
FC18845-2MS	1A59271.D	09/18/24	19:24	11:55	Matrix Spike
FC18845-2MSD	1A59273.D	09/18/24	19:56	12:27	Matrix Spike Duplicate
V1A3047-ECC3047	1A59275.D	09/18/24	20:28	12:59	Ending cal 5

Instrument Performance Check (BFB)

Job Number: FC19141A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1A3062-BFB
Lab File ID: 1A59591.D
Instrument ID: GCMS1A
Injection Date: 10/01/24
Injection Time: 06:18

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
95	Base peak, 100% relative abundance	55957	100.0		Pass
96	5.0 - 9.0% of mass 95	3669	6.56		Pass
173	Less than 2.0% of mass 174	429	0.77	(0.87) [a]	Pass
174	50.0 - 200.0% of mass 95	49296	88.1		Pass
175	5.0 - 9.0% of mass 174	3480	6.22	(7.06) [a]	Pass
176	95.0 - 105.0% of mass 174	47485	84.9	(96.3) [a]	Pass
177	5.0 - 10.0% of mass 176	3079	5.50	(6.48) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V1A3062-CC3047	1A59592.D	10/01/24	06:42	00:24	Continuing cal 5
V1A3062-BS	1A59593.D	10/01/24	07:07	00:49	Blank Spike
V1A3062-MB	1A59596.D	10/01/24	08:20	02:02	Method Blank
ZZZZZZ	1A59597.D	10/01/24	08:45	02:27	(unrelated sample)
FC19116-7	1A59598.D	10/01/24	09:09	02:51	(used for QC only; not part of job FC19141A)
FC19164-5	1A59599.D	10/01/24	09:33	03:15	(used for QC only; not part of job FC19141A)
ZZZZZZ	1A59600.D	10/01/24	09:57	03:39	(unrelated sample)
ZZZZZZ	1A59601.D	10/01/24	10:22	04:04	(unrelated sample)
ZZZZZZ	1A59602.D	10/01/24	10:46	04:28	(unrelated sample)
ZZZZZZ	1A59603.D	10/01/24	11:10	04:52	(unrelated sample)
ZZZZZZ	1A59604.D	10/01/24	11:34	05:16	(unrelated sample)
ZZZZZZ	1A59605.D	10/01/24	11:58	05:40	(unrelated sample)
ZZZZZZ	1A59606.D	10/01/24	12:22	06:04	(unrelated sample)
ZZZZZZ	1A59607.D	10/01/24	12:46	06:28	(unrelated sample)
ZZZZZZ	1A59608.D	10/01/24	13:11	06:53	(unrelated sample)
FC19141-3	1A59609.D	10/01/24	13:35	07:17	789MW-216_0924
ZZZZZZ	1A59610.D	10/01/24	13:59	07:41	(unrelated sample)
ZZZZZZ	1A59611.D	10/01/24	14:23	08:05	(unrelated sample)
FC19141-6	1A59612.D	10/01/24	14:47	08:29	789SW-02_0924
FC19141-7	1A59613.D	10/01/24	15:11	08:53	789SW-03_0924
FC19141-8	1A59614.D	10/01/24	15:36	09:18	789SW-04_0924
ZZZZZZ	1A59615.D	10/01/24	16:00	09:42	(unrelated sample)
ZZZZZZ	1A59616.D	10/01/24	16:24	10:06	(unrelated sample)
FC19164-5MS	1A59617.D	10/01/24	16:48	10:30	Matrix Spike
FC19164-5MSD	1A59618.D	10/01/24	17:12	10:54	Matrix Spike Duplicate
FC19116-7MS	1A59619.D	10/01/24	17:36	11:18	Matrix Spike

Instrument Performance Check (BFB)

Job Number: FC19141A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample:	V1A3062-BFB	**Injection Date:**	10/01/24
Lab File ID:	1A59591.D	**Injection Time:**	06:18
Instrument ID:	GCMS1A		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
FC19116-7MSD	1A59620.D	10/01/24	18:01	11:43	Matrix Spike Duplicate
V1A3062-ECC3047	1A59621.D	10/01/24	18:25	12:07	Ending cal 5
V1A3063-CC3047	1A59623.D	10/01/24	19:13	12:55	Continuing cal 5
V1A3063-MB	1A59626.D	10/01/24	20:25	14:07	Method Blank
ZZZZZZ	1A59627.D	10/01/24	20:50	14:32	(unrelated sample)
ZZZZZZ	1A59628.D	10/01/24	21:14	14:56	(unrelated sample)
ZZZZZZ	1A59629.D	10/01/24	21:38	15:20	(unrelated sample)
ZZZZZZ	1A59630.D	10/01/24	22:02	15:44	(unrelated sample)
ZZZZZZ	1A59631.D	10/01/24	22:27	16:09	(unrelated sample)
ZZZZZZ	1A59632.D	10/01/24	22:51	16:33	(unrelated sample)
ZZZZZZ	1A59633.D	10/01/24	23:15	16:57	(unrelated sample)
V1A3063-ECC3047	1A59634.D	10/01/24	23:39	17:21	Ending cal 5

Internal Standard Area Summary

Job Number: FC19141A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Check Std:	V1A3062-CC3047	**Injection Date:**	10/01/24
Lab File ID:	1A59592.D	**Injection Time:**	06:42
Instrument ID:	GCMS1A	**Method:**	SW846 8260D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Initial Cal [a]	213708	3.40	146209	5.34	76819	7.08
Check Std [b]	257075	3.40	182445	5.35	94937	7.09
Upper Limit [c]	514150	3.57	364890	5.52	189874	7.26
Lower Limit [d]	128538	3.23	91223	5.18	47469	6.92

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V1A3062-BS	254458	3.40	179982	5.35	93672	7.09
V1A3062-MB [e]	235423	3.40	171675	5.35	89263	7.09
ZZZZZZ	236181	3.40	171970	5.35	85886	7.09
FC19116-7	235852	3.40	169191	5.35	86616	7.09
FC19164-5	232130	3.40	167184	5.35	85454	7.09
ZZZZZZ	227322	3.40	147458	5.35	37269[f]	7.09
ZZZZZZ	226735	3.40	164712	5.35	84897	7.09
ZZZZZZ	232422	3.40	165969	5.35	85471	7.09
ZZZZZZ	227195	3.40	162790	5.34	83484	7.09
ZZZZZZ	234957	3.40	166479	5.35	83384	7.09
ZZZZZZ	245746	3.40	173421	5.35	88960	7.09
ZZZZZZ	233013	3.40	167414	5.35	84336	7.09
ZZZZZZ	232115	3.40	168018	5.35	84730	7.09
ZZZZZZ	233116	3.40	167351	5.35	84104	7.09
FC19141-3 [e]	232208	3.40	168597	5.34	85310	7.09
ZZZZZZ	233285	3.40	167738	5.35	84867	7.09
ZZZZZZ	230898	3.40	167087	5.35	84233	7.09
FC19141-6	227899	3.40	165746	5.35	82977	7.09
FC19141-7	227474	3.40	165181	5.35	82801	7.09
FC19141-8	227965	3.40	165425	5.34	83789	7.09
ZZZZZZ	223839	3.40	163092	5.35	83326	7.09
ZZZZZZ	223044	3.40	164043	5.35	83626	7.09
FC19164-5MS	239398	3.40	170308	5.35	88031	7.09
FC19164-5MSD	245712	3.40	174193	5.35	91049	7.09
FC19116-7MS	244573	3.40	172862	5.35	90154	7.09
FC19116-7MSD	247382	3.40	176023	5.35	90802	7.09
V1A3062-ECC3047	247216	3.40	175495	5.35	91092	7.09

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5
IS 3 = 1,4-Dichlorobenzene-d4

(a) Initial Cal is: V1A3047-ICC3047 1A59239.D 09/18/24 10:51

Internal Standard Area Summary

Job Number: FC19141A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Check Std:	V1A3062-CC3047	**Injection Date:**	10/01/24
Lab File ID:	1A59592.D	**Injection Time:**	06:42
Instrument ID:	GCMS1A	**Method:**	SW846 8260D

Lab Sample ID	IS 1 AREA	IS 1 RT	IS 2 AREA	IS 2 RT	IS 3 AREA	IS 3 RT

(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.
(e) Sample was treated with an anti-foaming agent.
(f) Outside DOD QSM control limits.

Surrogate Recovery Summary

Job Number: FC19141A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, 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
FC19141-3	1A59609.D	102	106	96	100
FC19141-6	1A59612.D	104	107	95	102
FC19141-7	1A59613.D	103	105	95	102
FC19141-8	1A59614.D	104	107	95	101
FC19116-7MS	1A59619.D	99	104	98	100
FC19116-7MSD	1A59620.D	101	105	97	100
V1A3062-BS	1A59593.D	99	104	98	100
V1A3062-MB	1A59596.D	102	107	96	98

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	83-118%
S2 = 1,2-Dichloroethane-D4	79-125%
S3 = Toluene-D8	85-112%
S4 = 4-Bromofluorobenzene	83-118%

Initial Calibration Summary

Job Number: FC19141A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1A3047-ICC3047
Lab FileID: 1A59239.D

Response Factor Report MSVOA17-1A_2A

Method : C:\msdchem\1\met...A3037_09182024.M (RTE Integrator)
Title : SW-846 Method 5030/8260D & EPA 624.1
Last Update : Wed Sep 18 13:49:58 2024
Response via : Initial Calibration

Calibration Files
1 =1A59229.D 2 =1A59233.D 3 =1A59235.D 4 =1A59237.D
5 =1A59239.D 6 =1A59241.D 7 =1A59243.D 8 =1A59231.D

Compound	1	2	3	4	5	6	7	8	Avg	%RSD
1) I Fluorobenzene	----------	----------	----------	ISTD	----------	----------	----------	----------		
2) Dichlorodifl	0.271	0.290	0.266	0.294	0.276	0.277	0.264	0.283	0.278	3.91
3) Chloromethan	0.241	0.279	0.225	0.261	0.255	0.245	0.240	0.285	0.254	8.01
4) 1,3-butadien	0.206	0.234	0.202	0.231	0.224	0.237	0.229	0.267	0.229	8.84
5) Vinyl Chlori	0.261	0.300	0.267	0.284	0.277	0.278	0.268	0.304	0.280	5.62
6) Bromomethane		0.136	0.128	0.152	0.162	0.164	0.161		0.150	10.19
7) Chloroethane		0.211	0.171	0.179	0.174	0.179	0.174	0.245	0.190	14.52
8) Trichloroflu	0.421	0.433	0.386	0.429	0.422	0.434	0.431	0.451	0.426	4.33
9) Ethyl Ether	0.156	0.184	0.170	0.187	0.176	0.180	0.176	0.187	0.177	5.81
10) Ethanol		0.001	0.001	0.002	0.001	0.001	0.001		0.001	22.71
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9929										
Response Ratio = 0.00000 + 0.00134 *A + 0.00000 *A^2										
11) 1,2-Dichloro	0.289	0.300	0.269	0.301	0.298	0.298	0.288	0.308	0.294	4.08
12) 1,1-Dichloro	0.311	0.349	0.320	0.359	0.360	0.362	0.349	0.408	0.352	8.29
13) Freon 113	0.210	0.212	0.221	0.242	0.242	0.243	0.234	0.270	0.234	8.40
14) Carbon Disul	0.704	0.710	0.634	0.717	0.719	0.712	0.670	0.811	0.710	7.08
15) Iodomethane	0.090	0.096	0.094	0.149	0.180	0.206	0.210	0.095	0.140	37.74
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9943										
Response Ratio = 0.00000 + 0.12684 *A + 0.04622 *A^2										
16) Acrolein	0.020	0.025	0.025	0.027	0.027	0.027	0.027	0.027	0.025	10.09
17) Allyl chlori	0.306	0.316	0.282	0.322	0.329	0.338	0.341	0.349	0.323	6.69
18) Methylene Ch		0.693	0.464	0.342	0.321	0.310	0.296		0.404	38.07
---- Linear regr., Force(0,0) ---- Coefficient = 0.9991										
Response Ratio = 0.00000 + 0.32289 *A										
19) Acetone	0.047	0.040	0.042	0.045	0.041	0.040	0.040	0.054	0.044	11.23
20) Methyl aceta	0.098	0.122	0.117	0.127	0.119	0.123	0.124	0.130	0.120	8.18
21) trans-1,2-Di	0.349	0.337	0.320	0.353	0.356	0.353	0.344	0.387	0.350	5.35
22) Hexane	0.210	0.190	0.201	0.234	0.224	0.233	0.214	0.241	0.218	8.05
23) Methyl Tert	0.469	0.492	0.495	0.571	0.560	0.581	0.574	0.551	0.537	8.22
24) Acetonitrile		0.022	0.019	0.017	0.016	0.016	0.016	0.032	0.020	29.87
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9964										
Response Ratio = 0.00000 + 0.01856 *A + -0.00016 *A^2										
25) Tert Butyl A		0.010	0.011	0.013	0.012	0.013	0.013	0.011	0.012	9.58
26) Di-isopropyl	0.581	0.669	0.648	0.755	0.746	0.770	0.766	0.717	0.706	9.60
27) Chloroprene	0.587	0.656	0.613	0.699	0.679	0.693	0.688	0.736	0.669	7.24
28) 1,1-Dichloro	0.428	0.442	0.406	0.457	0.465	0.460	0.450	0.516	0.453	7.08
29) Acrylonitril	0.063	0.070	0.066	0.074	0.070	0.070	0.071	0.076	0.070	6.17
30) ETBE	0.509	0.601	0.613	0.713	0.707	0.729	0.727	0.619	0.652	12.12
31) Vinyl acetat	0.331	0.364	0.369	0.434	0.414	0.419	0.414	0.407	0.394	8.90
32) cis-1,2-Dich	0.264	0.261	0.245	0.273	0.267	0.269	0.262	0.286	0.266	4.42
33) 2,2-Dichloro	0.294	0.336	0.295	0.337	0.343	0.346	0.339	0.356	0.331	7.07
34) Bromochlorom	0.113	0.134	0.125	0.137	0.134	0.138	0.135	0.140	0.132	6.83

Initial Calibration Summary

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35) Cyclohexane 0.332 0.385 0.394 0.445 0.453 0.455 0.440 0.453 0.420 10.68
36) Chloroform 0.406 0.466 0.432 0.489 0.476 0.480 0.471 0.532 0.469 8.03
37) Ethyl acetat 0.139 0.146 0.151 0.169 0.159 0.164 0.165 0.163 0.157 6.76
38) Tetrahydrofu 0.049 0.047 0.050 0.043 0.044 0.043 0.055 0.047 9.04
39) Dibromofluor 0.284 0.294 0.286 0.280 0.282 0.281 0.281 0.294 0.285 1.96
40) Carbon Tetra 0.381 0.330 0.301 0.350 0.362 0.366 0.353 0.378 0.353 7.46
41) 1,1,1-Trichl 0.371 0.370 0.336 0.399 0.399 0.397 0.392 0.414 0.385 6.47
42) 2-Butanone 0.058 0.064 0.065 0.072 0.067 0.067 0.068 0.078 0.067 8.68
43) 1,1-Dichloro 0.281 0.289 0.275 0.306 0.316 0.312 0.302 0.330 0.301 6.19
---- Linear regr., Force(0,0) ---- Coefficient = 0.9990
Response Ratio = 0.00000 + 0.30630 *A

44) tert-Butyl f 0.094 0.100 0.121 0.121 0.128 0.133 0.097 0.114 14.01
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9991
Response Ratio = 0.00000 + 0.10890 *A + 0.00252 *A^2

45) Propionitril 0.017 0.021 0.021 0.023 0.021 0.021 0.021 0.022 0.021 8.33
46) Methacryloni 0.092 0.097 0.099 0.110 0.104 0.107 0.110 0.110 0.103 6.67
47) Benzene 0.925 0.944 0.889 1.009 1.014 1.013 0.988 1.047 0.979 5.48
48) TAME 0.430 0.475 0.483 0.565 0.558 0.588 0.586 0.533 0.527 11.05
49) 1,2-Dichloro 0.304 0.320 0.321 0.320 0.317 0.321 0.283 0.323 0.314 4.37
50) 1,2-Dichloro 0.299 0.332 0.310 0.343 0.325 0.335 0.326 0.367 0.329 6.25
51) Isobutyl Alc 0.010 0.012 0.012 0.015 0.014 0.015 0.015 0.015 0.013 13.25
52) Tert Amyl Al 0.006 0.008 0.009 0.009 0.009 0.009 0.006 0.008 19.70
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9986
Response Ratio = 0.00000 + 0.00789 *A + 0.00009 *A^2

53) Trichloroeth 0.292 0.263 0.239 0.277 0.274 0.278 0.270 0.310 0.275 7.43
54) Methylcycloh 0.353 0.359 0.381 0.433 0.444 0.452 0.429 0.426 0.410 9.59
55) Dibromometha 0.145 0.149 0.145 0.158 0.153 0.154 0.149 0.162 0.152 3.95
56) 1,2-Dichloro 0.251 0.258 0.227 0.262 0.260 0.265 0.260 0.280 0.258 5.81
57) Bromodichlor 0.269 0.322 0.304 0.345 0.339 0.347 0.341 0.332 0.325 8.22
58) Methyl metha 0.110 0.125 0.145 0.141 0.143 0.152 0.135 0.136 10.25
59) 1,4-Dioxane 0.001 0.001 0.001 0.001 0.001 0.001 0.001 14.13
60) 2-Chloroethy 0.060 0.072 0.078 0.095 0.094 0.100 0.104 0.066 0.084 19.98
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9989
Response Ratio = 0.00000 + 0.08371 *A + 0.00213 *A^2

61) cis-1,3-Dich 0.298 0.325 0.324 0.390 0.383 0.400 0.395 0.362 0.359 10.88

62) I Chlorobenzene-d5 ----------ISTD----------
63) Toluene-d8 1.405 1.417 1.398 1.426 1.402 1.410 1.406 1.398 1.408 0.69
64) Toluene 1.435 1.483 1.370 1.550 1.547 1.552 1.524 1.594 1.507 4.89
65) 2-Nitropropa 0.037 0.046 0.049 0.064 0.062 0.066 0.069 0.048 0.055 20.82
---- Linear regr., Force(0,0) ---- Coefficient = 0.9959
Response Ratio = 0.00000 + 0.06495 *A

66) 4-Methyl-2-p 0.147 0.187 0.203 0.238 0.231 0.232 0.242 0.217 0.212 15.26
---- Linear regr., Force(0,0) ---- Coefficient = 0.9986
Response Ratio = 0.00000 + 0.23377 *A

67) trans-1,3-Di 0.325 0.386 0.390 0.493 0.481 0.508 0.508 0.413 0.438 15.67
---- Linear regr., Force(0,0) ---- Coefficient = 0.9977
Response Ratio = 0.00000 + 0.49384 *A

68) Tetrachloroe 0.359 0.390 0.365 0.435 0.468 0.479 0.493 0.414 0.425 12.19
69) Ethyl methac 0.236 0.259 0.311 0.315 0.335 0.349 0.301 14.70
---- Linear regr., Force(0,0) ---- Coefficient = 0.9987
Response Ratio = 0.00000 + 0.32992 *A

Initial Calibration Summary

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Lab FileID: 1A59239.D

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 70) 1,1,2-Trichl 0.186 0.220 0.210 0.243 0.238 0.243 0.241 0.246 0.228   9.43
 71) Dibromochlor 0.256 0.277 0.279 0.338 0.334 0.356 0.352 0.290 0.310  12.55
 72) 1,3-Dichloro 0.392 0.445 0.426 0.492 0.477 0.485 0.480 0.464 0.458   7.56
 73) 1,2-Dibromoe 0.206 0.254 0.243 0.292 0.275 0.287 0.282 0.276 0.264  10.84
 74) 3,3-Dimethyl 0.011 0.013 0.015 0.018 0.020 0.023 0.024 0.015 0.017  26.09
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9984
               Response Ratio = 0.00000 + 0.01588 *A + 0.00008 *A^2

 75) 2-hexanone   0.112 0.145 0.158 0.192 0.188 0.193 0.198 0.153 0.167  18.07
             ---- Linear regr., Force(0,0) ----  Coefficient =  0.9983
               Response Ratio = 0.00000 + 0.19110 *A

 76) 1-Chlorohexa 0.529 0.438 0.419 0.500 0.515 0.612 0.590 0.562 0.520  13.12
 77) Ethylbenzene 1.627 1.653 1.540 1.802 1.797 1.676 1.648 1.757 1.687   5.40
 78) Chlorobenzen 0.929 0.946 0.884 0.988 0.997 0.989 0.969 1.033 0.967   4.80
 79) 1,1,1,2-Tetr 0.245 0.282 0.282 0.339 0.332 0.345 0.348 0.284 0.307  12.55
 80) m,p-Xylene   1.073 1.238 1.158 1.368 1.375 1.386 1.364 1.308 1.284   9.08
 81) o-Xylene     1.116 1.223 1.177 1.391 1.395 1.410 1.383 1.274 1.296   8.84
 82) Styrene      0.707 0.867 0.839 1.021 1.033 1.048 1.025 0.840 0.922  13.70
 83) Bromoform    0.137 0.153 0.152 0.190 0.186 0.194 0.198 0.181 0.174  13.24
 84) Isopropylben 1.221 1.402 1.342 1.615 1.634 1.639 1.586 1.528 1.496  10.46

 85) I   1,4-Dichlorobenzene-d ----------------ISTD--------------------
 86) 4-Bromofluor 0.820 0.813 0.818 0.812 0.827 0.842 0.832 0.818 0.823   1.24
 87) cis-1,4-Dich       0.142 0.131 0.152 0.153 0.159 0.173       0.152   9.46
 88) n-Propylbenz 3.357 3.448 3.217 3.706 3.796 3.828 3.781 3.871 3.626   6.85
 89) Bromobenzene 0.672 0.726 0.681 0.753 0.777 0.774 0.771 0.797 0.744   6.23
 90) 1,1,2,2-Tetr 0.435 0.494 0.506 0.579 0.558 0.552 0.550 0.566 0.530   9.10
 91) 1,3,5-Trimet 1.895 2.058 2.012 2.426 2.493 2.505 2.490 2.256 2.267  10.93
 92) 2-Chlorotolu 1.789 1.984 1.806 2.043 2.142 2.108 2.090 2.100 2.008   6.88
 93) trans-1,4-Di       0.180 0.179 0.216 0.217 0.222 0.221       0.206  10.01
 94) 1,2,3-Trichl 0.140 0.144 0.147 0.165 0.156 0.159 0.158 0.141 0.151   6.30
 95) Cyclohexanon       0.013 0.009 0.011 0.011 0.011 0.012       0.011  12.48
 96) 4-Chlorotolu 1.896 1.942 1.860 2.136 2.194 2.206 2.201 2.091 2.066   7.01
 97) tert-Butylbe 1.151 1.311 1.216 1.422 1.494 1.458 1.445 1.438 1.367   9.22
 98) 1,2,4-Trimet 1.724 1.959 1.947 2.314 2.371 2.389 2.377 2.047 2.141  11.90
 99) Pentachloroe       0.316 0.295 0.344 0.335 0.337 0.333 0.310 0.324   5.43
             ---- Linear regr., Force(0,0) ----  Coefficient =  0.9993
               Response Ratio = 0.00000 + 0.33332 *A

100) sec-Butylben 2.453 2.746 2.589 3.057 3.186 3.124 3.079 3.002 2.904   9.38
101) 4-Isopropylt 1.863 2.190 2.097 2.522 2.626 2.611 2.577 2.265 2.344  12.05
102) 1,3-Dichloro 1.234 1.282 1.191 1.340 1.367 1.364 1.342 1.377 1.312   5.24
103) 1,2,3-Trimet 1.854 2.087 1.946 2.263 2.321 2.341 2.342 2.103 2.157   8.77
104) 1,4-Dichloro 1.197 1.268 1.197 1.326 1.365 1.339 1.319 1.414 1.303   5.93
105) n-Butylbenze 0.848 1.007 0.969 1.170 1.203 1.205 1.191 1.046 1.080  12.30
             ---- Linear regr., Force(0,0) ----  Coefficient =  0.9986
               Response Ratio = 0.00000 + 1.17961 *A

106) Benzyl Chlor       0.129 0.122 0.164 0.167 0.177 0.183 0.115 0.151  18.62
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9983
               Response Ratio = 0.00000 + 0.14476 *A + 0.02065 *A^2

107) 1,2-Dichloro 1.019 1.056 1.061 1.163 1.190 1.191 1.178 1.246 1.138   7.14
108) 1,2-Dibromo-       0.057 0.058 0.073 0.069 0.072 0.074 0.074 0.068  10.87
109) Hexachlorobu 0.312 0.295 0.248 0.295 0.322 0.314 0.299 0.356 0.305  10.01
110) 1,2,4-Trichl 0.465 0.474 0.470 0.572 0.600 0.609 0.605 0.544 0.542  11.76
111) Naphthalene        0.673 0.766 0.963 1.017 1.083 1.117       0.937  19.11
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9984
               Response Ratio = 0.00000 + 0.86638 *A + 0.13547 *A^2
```

Initial Calibration Summary

Job Number: FC19141A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1A3047-ICC3047
Lab FileID: 1A59239.D

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112) 1,2,3-Trichl 0.409 0.364 0.356 0.433 0.464 0.470 0.471 0.408 0.422  10.81
 ------------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          V1A3037_09182024.M        Wed Sep 18 14:50:30 2024
```

Initial Calibration Verification

Job Number: FC19141A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1A3047-ICV3047
Lab FileID: 1A59249.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\091824\1A59249.D Vial: 12
Acq On : 18 Sep 2024 1:31 pm Operator: jeniferw
Sample : ICV3047-5 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,, Multiplr: 1.00
MS Integration Params: med.p

Method : C:\msdchem\1\met...A3037_09182024.M (RTE Integrator)
Title : SW-846 Method 5030/8260D & EPA 624.1
Last Update : Wed Sep 18 13:49:58 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	102	0.00	3.40
2	Dichlorodifluoromethane	0.278	0.252	9.4	93	0.00	1.02
3	Chloromethane	0.254	0.220	13.4	88	0.00	1.13
4	1,3-butadiene	0.229	0.248	-8.3	113	0.00	1.18
5	Vinyl Chloride	0.280	0.251	10.4	93	0.00	1.17
6	Bromomethane	0.150	0.149	0.7	94	0.00	1.34
7	Chloroethane	0.190	0.165	13.2	97	0.00	1.41
8	Trichlorofluoromethane	0.426	0.378	11.3	91	0.00	1.50
9	Ethyl Ether	0.177	0.161	9.0	93	0.00	1.65
		Amount	Calc.	%Drift			
10	Ethanol	800.000	777.233	2.8	98	0.00	1.70
		AvgRF	CCRF	%Dev			
11	1,2-Dichlorotrifluoroetha	0.294	0.275	6.5	94	0.00	1.74
12	1,1-Dichloroethene	0.352	0.383	-8.8	108	0.00	1.76
13	Freon 113	0.234	0.240	-2.6	101	0.00	1.78
14	Carbon Disulfide	0.710	0.638	10.1	90	0.00	1.78
		Amount	Calc.	%Drift			
15	Iodomethane	40.000	37.479	6.3	86	0.00	1.83
		AvgRF	CCRF	%Dev			
16	Acrolein	0.025	0.026	-4.0	98	0.00	1.90
17	Allyl chloride	0.323	0.344	-6.5	107	0.00	1.99
		Amount	Calc.	%Drift			
18	Methylene Chloride	40.000	42.617	-6.5	109	0.00	2.04
		AvgRF	CCRF	%Dev			
19	Acetone	0.044	0.044	0.0	110	0.00	2.04
20	Methyl acetate	0.120	0.114	5.0	98	0.00	2.12
21	trans-1,2-Dichloroethene	0.350	0.373	-6.6	107	0.00	2.13
22	Hexane	0.218	0.215	1.4	98	0.00	2.19
23	Methyl Tert Butyl Ether	0.537	0.530	1.3	97	0.00	2.19
		Amount	Calc.	%Drift			
24	Acetonitrile	400.000	404.697	-1.2	112	0.00	2.27
		AvgRF	CCRF	%Dev			
25	Tert Butyl Alcohol	0.012	0.010	16.7	83	0.00	2.20
26	Di-isopropyl ether	0.706	0.674	4.5	92	0.00	2.39

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27		Chloroprene	0.669	0.712	-6.4	107	0.00	2.44
28		1,1-Dichloroethane	0.453	0.470	-3.8	103	0.00	2.44
29		Acrylonitrile	0.070	0.073	-4.3	107	0.00	2.44
30		ETBE	0.652	0.643	1.4	93	0.00	2.57
31		Vinyl acetate	0.394	0.459	-16.5	113	0.00	2.56
32		cis-1,2-Dichloroethene	0.266	0.284	-6.8	108	0.00	2.71
33		2,2-Dichloropropane	0.331	0.374	-13.0	111	0.00	2.78
34		Bromochloromethane	0.132	0.126	4.5	95	0.00	2.82
35		Cyclohexane	0.420	0.428	-1.9	96	0.00	2.86
36		Chloroform	0.469	0.500	-6.6	107	0.00	2.86
37		Ethyl acetate	0.157	0.162	-3.2	104	0.00	2.90
38		Tetrahydrofuran	0.047	0.039	17.0	91	0.00	2.94
39	S	Dibromofluoromethane	0.285	0.283	0.7	102	0.00	2.95
40		Carbon Tetrachloride	0.353	0.370	-4.8	104	0.00	2.96
41		1,1,1-Trichloroethane	0.385	0.415	-7.8	106	0.00	2.98
42		2-Butanone	0.067	0.063	6.0	96	0.00	3.00

			Amount	Calc.	%Drift			
43		1,1-Dichloropropene		----------NA----------				
44		tert-Butyl formate		----------NA----------				

			AvgRF	CCRF	%Dev			
45		Propionitrile	0.021	0.023	-9.5	112	0.00	3.14
46		Methacrylonitrile	0.103	0.112	-8.7	110	0.00	3.16
47		Benzene	0.979	1.039	-6.1	105	0.00	3.17
48		TAME	0.527	0.505	4.2	92	0.00	3.24
49	S	1,2-Dichloroethane-d4	0.314	0.316	-0.6	102	0.00	3.23
50		1,2-Dichloroethane	0.329	0.348	-5.8	109	0.00	3.27
51		Isobutyl Alcohol	0.013	0.013	0.0	97	0.00	3.24

			Amount	Calc.	%Drift			
52		Tert Amyl Alcohol	400.000	358.298	10.4	87	0.00	3.31

			AvgRF	CCRF	%Dev			
53		Trichloroethene	0.275	0.291	-5.8	108	0.00	3.50
54		Methylcyclohexane	0.410	0.431	-5.1	99	0.00	3.53
55		Dibromomethane	0.152	0.158	-3.9	105	0.00	3.73
56		1,2-Dichloropropane	0.258	0.273	-5.8	107	0.00	3.79
57		Bromodichloromethane	0.325	0.345	-6.2	104	0.00	3.82
58		Methyl methacrylate	0.136	0.155	-14.0	113	0.00	3.91
59		1,4-Dioxane	0.001	0.001	0.0	86	0.00	3.94

			Amount	Calc.	%Drift			
60		2-Chloroethyl vinyl ether	200.000	219.422	-9.7	111	0.00	4.16

			AvgRF	CCRF	%Dev			
61		cis-1,3-Dichloropropene	0.359	0.388	-8.1	103	0.00	4.21
62	I	Chlorobenzene-d5	1.000	1.000	0.0	103	0.00	5.34
63	S	Toluene-d8	1.408	1.404	0.3	103	0.00	4.33
64		Toluene	1.507	1.616	-7.2	107	0.00	4.37

			Amount	Calc.	%Drift			
65		2-Nitropropane	200.000	183.479	8.3	100	0.00	4.46
66		4-Methyl-2-pentanone	200.000	205.149	-2.6	107	0.00	4.57
67		trans-1,3-Dichloropropene	40.000	36.727	8.2	97	0.00	4.61

			AvgRF	CCRF	%Dev			
68		Tetrachloroethene	0.425	0.442	-4.0	97	0.00	4.63

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Sample: V1A3047-ICV3047
Lab FileID: 1A59249.D

			Amount	Calc.	%Drift			
69		Ethyl methacrylate	40.000	45.641	-14.1	123	0.00	4.72
			AvgRF	CCRF	%Dev			
70		1,1,2-Trichloroethane	0.228	0.248	-8.8	107	0.00	4.71
71		Dibromochloromethane	0.310	0.350	-12.9	108	0.00	4.84
72		1,3-Dichloropropane	0.458	0.503	-9.8	108	0.00	4.89
73		1,2-Dibromoethane	0.264	0.288	-9.1	108	0.00	4.99
			Amount	Calc.	%Drift			
74		3,3-Dimethyl-1-Butanol	2000.000	2030.486	-1.5	102	0.00	5.11
75		2-hexanone	200.000	209.369	-4.7	110	0.00	5.13
			AvgRF	CCRF	%Dev			
76		1-Chlorohexane	0.520	0.481	7.5	96	0.00	5.36
77		Ethylbenzene	1.687	1.819	-7.8	104	0.00	5.39
78		Chlorobenzene	0.967	1.013	-4.8	104	0.00	5.36
79		1,1,1,2-Tetrachloroethane	0.307	0.352	-14.7	109	0.00	5.41
80		m,p-Xylene	1.284	1.414	-10.1	106	0.00	5.49
81		o-Xylene	1.296	1.398	-7.9	103	0.00	5.80
82		Styrene	0.922	1.055	-14.4	105	0.00	5.83
83		Bromoform	0.174	0.181	-4.0	100	0.00	5.84
84		Isopropylbenzene	1.496	1.676	-12.0	106	0.00	6.04
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	104	0.00	7.08
86	S	4-Bromofluorobenzene	0.823	0.828	-0.6	104	0.00	6.22
87		cis-1,4-Dichloro-2-butene	0.152	0.169	-11.2	114	0.00	6.26
88		n-Propylbenzene	3.626	3.909	-7.8	107	0.00	6.34
89		Bromobenzene	0.744	0.786	-5.6	105	0.00	6.30
90		1,1,2,2-Tetrachloroethane	0.530	0.568	-7.2	105	0.00	6.37
91		1,3,5-Trimethylbenzene	2.267	2.621	-15.6	109	0.00	6.50
92		2-Chlorotoluene	2.008	2.128	-6.0	103	0.00	6.44
93		trans-1,4-Dichloro-2-Bute	0.206	0.218	-5.8	104	0.00	6.50
94		1,2,3-Trichloropropane	0.151	0.166	-9.9	110	0.00	6.46
95		Cyclohexanone	0.011	0.025	-127.3#	239#	0.00	6.48
96		4-Chlorotoluene	2.066	2.236	-8.2	105	0.00	6.58
97		tert-Butylbenzene	1.367	1.490	-9.0	103	0.00	6.74
98		1,2,4-Trimethylbenzene	2.141	2.457	-14.8	107	0.00	6.79
			Amount	Calc.	%Drift			
99		Pentachloroethane		----------	NA	----------		
			AvgRF	CCRF	%Dev			
100		sec-Butylbenzene	2.904	3.116	-7.3	101	0.00	6.88
101		4-Isopropyltoluene	2.344	2.632	-12.3	104	0.00	7.00
102		1,3-Dichlorobenzene	1.312	1.392	-6.1	105	0.00	7.03
103		1,2,3-Trimethylbenzene	2.157	2.265	-5.0	101	0.00	7.13
104		1,4-Dichlorobenzene	1.303	1.395	-7.1	106	0.00	7.10
			Amount	Calc.	%Drift			
105		n-Butylbenzene	40.000	44.018	-10.0	112	0.00	7.33
106		Benzyl Chloride	40.000	40.811	-2.0	102	0.00	7.28
			AvgRF	CCRF	%Dev			
107		1,2-Dichlorobenzene	1.138	1.195	-5.0	104	0.00	7.42
108		1,2-Dibromo-3-Chloropropa	0.068	0.068	0.0	103	0.00	8.00
109		Hexachlorobutadiene	0.305	0.322	-5.6	103	0.00	8.51
110		1,2,4-Trichlorobenzene	0.542	0.592	-9.2	102	0.00	8.50
			Amount	Calc.	%Drift			

Initial Calibration Verification

Job Number: FC19141A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1A3047-ICV3047
Lab FileID: 1A59249.D

111	Naphthalene	40.000	38.741	3.1	96	0.00	8.71
		AvgRF	CCRF	%Dev			
112	1,2,3-Trichlorobenzene	0.422	0.441	-4.5	99	0.00	8.83

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1A59239.D V1A3037_09182024.M Wed Sep 18 14:51:06 2024

Initial Calibration Verification

Job Number: FC19141A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1A3047-ICV3047
Lab FileID: 1A59251.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\091824\1A59251.D Vial: 13
Acq On : 18 Sep 2024 2:03 pm Operator: jeniferw
Sample : ICV3047-4 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,, Multiplr: 1.00
MS Integration Params: med.p

Method : C:\msdchem\1\met...A3037_09182024.M (RTE Integrator)
Title : SW-846 Method 5030/8260D & EPA 624.1
Last Update : Wed Sep 18 13:49:58 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	108	0.00	3.40
2	Dichlorodifluoromethane		----------	NA	----------		
3	Chloromethane		----------	NA	----------		
4	1,3-butadiene		----------	NA	----------		
5	Vinyl Chloride		----------	NA	----------		
6	Bromomethane		----------	NA	----------		
7	Chloroethane		----------	NA	----------		
8	Trichlorofluoromethane		----------	NA	----------		
9	Ethyl Ether		----------	NA	----------		
	----------	Amount	Calc.	%Drift	----------		
10	Ethanol		----------	NA	----------		
	----------	AvgRF	CCRF	%Dev	----------		
11	1,2-Dichlorotrifluoroetha		----------	NA	----------		
12	1,1-Dichloroethene		----------	NA	----------		
13	Freon 113		----------	NA	----------		
14	Carbon Disulfide		----------	NA	----------		
	----------	Amount	Calc.	%Drift	----------		
15	Iodomethane		----------	NA	----------		
	----------	AvgRF	CCRF	%Dev	----------		
16	Acrolein		----------	NA	----------		
17	Allyl chloride		----------	NA	----------		
	----------	Amount	Calc.	%Drift	----------		
18	Methylene Chloride		----------	NA	----------		
	----------	AvgRF	CCRF	%Dev	----------		
19	Acetone		----------	NA	----------		
20	Methyl acetate		----------	NA	----------		
21	trans-1,2-Dichloroethene		----------	NA	----------		
22	Hexane		----------	NA	----------		
23	Methyl Tert Butyl Ether		----------	NA	----------		
	----------	Amount	Calc.	%Drift	----------		
24	Acetonitrile		----------	NA	----------		
	----------	AvgRF	CCRF	%Dev	----------		
25	Tert Butyl Alcohol		----------	NA	----------		
26	Di-isopropyl ether		----------	NA	----------		

Initial Calibration Verification

Job Number: FC19141A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1A3047-ICV3047
Lab FileID: 1A59251.D

27		Chloroprene			----------NA----------				
28		1,1-Dichloroethane			----------NA----------				
29		Acrylonitrile			----------NA----------				
30		ETBE			----------NA----------				
31		Vinyl acetate			----------NA----------				
32		cis-1,2-Dichloroethene			----------NA----------				
33		2,2-Dichloropropane			----------NA----------				
34		Bromochloromethane			----------NA----------				
35		Cyclohexane			----------NA----------				
36		Chloroform			----------NA----------				
37		Ethyl acetate			----------NA----------				
38		Tetrahydrofuran			----------NA----------				
39	S	Dibromofluoromethane	0.285	0.281	1.4	109	0.00	2.95	
40		Carbon Tetrachloride			----------NA----------				
41		1,1,1-Trichloroethane			----------NA----------				
42		2-Butanone			----------NA----------				
		----------	Amount	Calc.	%Drift	----------			
43		1,1-Dichloropropene	25.000	27.667	-10.7	120	0.00	3.05	
44		tert-Butyl formate	125.000	163.945	-31.2#	137	0.00	3.09	
		----------	AvgRF	CCRF	%Dev	----------			
45		Propionitrile			----------NA----------				
46		Methacrylonitrile			----------NA----------				
47		Benzene			----------NA----------				
48		TAME			----------NA----------				
49	S	1,2-Dichloroethane-d4	0.314	0.317	-1.0	107	0.00	3.23	
50		1,2-Dichloroethane			----------NA----------				
51		Isobutyl Alcohol			----------NA----------				
		----------	Amount	Calc.	%Drift	----------			
52		Tert Amyl Alcohol			----------NA----------				
		----------	AvgRF	CCRF	%Dev	----------			
53		Trichloroethene			----------NA----------				
54		Methylcyclohexane			----------NA----------				
55		Dibromomethane			----------NA----------				
56		1,2-Dichloropropane			----------NA----------				
57		Bromodichloromethane			----------NA----------				
58		Methyl methacrylate			----------NA----------				
59		1,4-Dioxane			----------NA----------				
		----------	Amount	Calc.	%Drift	----------			
60		2-Chloroethyl vinyl ether			----------NA----------				
		----------	AvgRF	CCRF	%Dev	----------			
61		cis-1,3-Dichloropropene			----------NA----------				
62	I	Chlorobenzene-d5	1.000	1.000	0.0	109	0.00	5.34	
63	S	Toluene-d8	1.408	1.401	0.5	107	0.00	4.33	
64		Toluene			----------NA----------				
		----------	Amount	Calc.	%Drift	----------			
65		2-Nitropropane			----------NA----------				
66		4-Methyl-2-pentanone			----------NA----------				
67		trans-1,3-Dichloropropene			----------NA----------				
		----------	AvgRF	CCRF	%Dev	----------			
68		Tetrachloroethene			----------NA----------				

Initial Calibration Verification

Job Number: FC19141A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1A3047-ICV3047
Lab FileID: 1A59251.D

			Amount	Calc.	%Drift			
69		Ethyl methacrylate		NA				
			AvgRF	CCRF	%Dev			
70		1,1,2-Trichloroethane		NA				
71		Dibromochloromethane		NA				
72		1,3-Dichloropropane		NA				
73		1,2-Dibromoethane		NA				
			Amount	Calc.	%Drift			
74		3,3-Dimethyl-1-Butanol		NA				
75		2-hexanone		NA				
			AvgRF	CCRF	%Dev			
76		1-Chlorohexane		NA				
77		Ethylbenzene		NA				
78		Chlorobenzene		NA				
79		1,1,1,2-Tetrachloroethane		NA				
80		m,p-Xylene		NA				
81		o-Xylene		NA				
82		Styrene		NA				
83		Bromoform		NA				
84		Isopropylbenzene		NA				
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	107	0.00	7.08
86	S	4-Bromofluorobenzene	0.823	0.828	-0.6	109	0.00	6.22
87		cis-1,4-Dichloro-2-butene		NA				
88		n-Propylbenzene		NA				
89		Bromobenzene		NA				
90		1,1,2,2-Tetrachloroethane		NA				
91		1,3,5-Trimethylbenzene		NA				
92		2-Chlorotoluene		NA				
93		trans-1,4-Dichloro-2-Bute		NA				
94		1,2,3-Trichloropropane		NA				
95		Cyclohexanone		NA				
96		4-Chlorotoluene		NA				
97		tert-Butylbenzene		NA				
98		1,2,4-Trimethylbenzene		NA				
			Amount	Calc.	%Drift			
99		Pentachloroethane	25.000	27.368	-9.5	114	0.00	6.74
			AvgRF	CCRF	%Dev			
100		sec-Butylbenzene		NA				
101		4-Isopropyltoluene		NA				
102		1,3-Dichlorobenzene		NA				
103		1,2,3-Trimethylbenzene		NA				
104		1,4-Dichlorobenzene		NA				
			Amount	Calc.	%Drift			
105		n-Butylbenzene		NA				
106		Benzyl Chloride		NA				
			AvgRF	CCRF	%Dev			
107		1,2-Dichlorobenzene		NA				
108		1,2-Dibromo-3-Chloropropa		NA				
109		Hexachlorobutadiene		NA				
110		1,2,4-Trichlorobenzene		NA				
			Amount	Calc.	%Drift			

Initial Calibration Verification

Job Number: FC19141A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1A3047-ICV3047
Lab FileID: 1A59251.D

```
111     Naphthalene                          ----------NA----------

            ----------------------- AvgRF   CCRF      %Dev   --------------
112     1,2,3-Trichlorobenzene               ----------NA----------
 ------------------------------------------------------------------------------
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    (#) = Out of Range               SPCC's out = 0  CCC's out = 0
     1A59237.D  V1A3037_09182024.M       Wed Sep 18 14:50:51 2024
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Continuing Calibration Summary

Job Number: FC19141A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1A3062-CC3047
Lab FileID: 1A59592.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\100124\1A59592.D Vial: 2
Acq On : 1 Oct 2024 6:42 am Operator: jeniferw
Sample : CC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57600,V1A3062,,,,, Multiplr: 1.00
MS Integration Params: med.p

Method : C:\msdchem\1\met...A3047_09182024.M (RTE Integrator)
Title : SW-846 Method 5030/8260D & EPA 624.1
Last Update : Wed Sep 18 13:49:10 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	120	0.00	3.40
2	Dichlorodifluoromethane	0.278	0.331	-19.1	144	0.00	1.02
3	Chloromethane	0.254	0.278	-9.4	131	0.00	1.13
4	1,3-butadiene	0.229	0.229	0.0	123	0.00	1.19
5	Vinyl Chloride	0.280	0.302	-7.9	131	0.00	1.17
6	Bromomethane	0.150	0.149	0.7	110	0.00	1.35
7	Chloroethane	0.190	0.166	12.6	115	0.00	1.42
8	Trichlorofluoromethane	0.426	0.421	1.2	120	0.00	1.50
9	Ethyl Ether	0.177	0.187	-5.6	127	0.00	1.66
		Amount	Calc.	%Drift			
10	Ethanol	800.000	792.399	1.0	118	0.00	1.70
		AvgRF	CCRF	%Dev			
11	1,2-Dichlorotrifluoroetha	0.294	0.311	-5.8	126	0.00	1.74
12	1,1-Dichloroethene	0.352	0.400	-13.6	134	0.00	1.76
13	Freon 113	0.234	0.249	-6.4	124	0.00	1.79
14	Carbon Disulfide	0.710	0.751	-5.8	126	0.00	1.78
		Amount	Calc.	%Drift			
15	Iodomethane	40.000	42.158	-5.4	117	0.00	1.83
		AvgRF	CCRF	%Dev			
16	Acrolein	0.025	0.026	-4.0	118	0.00	1.90
17	Allyl chloride	0.323	0.373	-15.5	136	0.00	2.00
		Amount	Calc.	%Drift			
18	Methylene Chloride	40.000	41.580	-3.9	126	0.00	2.04
		AvgRF	CCRF	%Dev			
19	Acetone	0.044	0.049	-11.4	142	0.00	2.05
20	Methyl acetate	0.120	0.137	-14.2	138	0.00	2.12
21	trans-1,2-Dichloroethene	0.350	0.390	-11.4	132	0.00	2.13
22	Hexane	0.218	0.247	-13.3	133	0.00	2.20
23	Methyl Tert Butyl Ether	0.537	0.594	-10.6	127	0.00	2.19
		Amount	Calc.	%Drift			
24	Acetonitrile	400.000	413.193	-3.3	135	0.00	2.27
		AvgRF	CCRF	%Dev			
25	Tert Butyl Alcohol	0.012	0.015	-25.0#	141	0.00	2.20
26	Di-isopropyl ether	0.706	0.803	-13.7	130	0.00	2.39

Continuing Calibration Summary

Job Number: FC19141A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1A3062-CC3047
Lab FileID: 1A59592.D

27		Chloroprene	0.669	0.765	-14.3	136	0.00	2.43
28		1,1-Dichloroethane	0.453	0.488	-7.7	126	0.00	2.44
29		Acrylonitrile	0.070	0.081	-15.7	138	0.00	2.43
30		ETBE	0.652	0.750	-15.0	128	0.00	2.58
31		Vinyl acetate	0.394	0.497	-26.1#	145	0.00	2.56
32		cis-1,2-Dichloroethene	0.266	0.270	-1.5	122	0.00	2.72
33		2,2-Dichloropropane	0.331	0.382	-15.4	134	0.00	2.78
34		Bromochloromethane	0.132	0.132	0.0	118	0.00	2.82
35		Cyclohexane	0.420	0.478	-13.8	127	0.00	2.86
36		Chloroform	0.469	0.497	-6.0	125	0.00	2.86
37		Ethyl acetate	0.157	0.190	-21.0#	144	0.00	2.91
38		Tetrahydrofuran	0.047	0.057	-21.3#	157	0.00	2.94
39	S	Dibromofluoromethane	0.285	0.280	1.8	119	0.00	2.95
40		Carbon Tetrachloride	0.353	0.380	-7.6	126	0.00	2.96
41		1,1,1-Trichloroethane	0.385	0.425	-10.4	128	0.00	2.98
42		2-Butanone	0.067	0.079	-17.9	143	0.00	3.00
			Amount	Calc.	%Drift			
43		1,1-Dichloropropene	40.000	44.260	-10.6	129	0.00	3.05
44		tert-Butyl formate	200.000	282.773	-41.4#	172	0.00	3.09
			AvgRF	CCRF	%Dev			
45		Propionitrile	0.021	0.024	-14.3	140	0.00	3.14
46		Methacrylonitrile	0.103	0.123	-19.4	143	0.00	3.17
47		Benzene	0.979	1.053	-7.6	125	0.00	3.18
48		TAME	0.527	0.598	-13.5	129	0.00	3.25
49	S	1,2-Dichloroethane-d4	0.314	0.336	-7.0	127	0.00	3.24
50		1,2-Dichloroethane	0.329	0.359	-9.1	133	0.00	3.27
51		Isobutyl Alcohol	0.013	0.017	-30.8#	146	0.00	3.25
			Amount	Calc.	%Drift			
52		Tert Amyl Alcohol	400.000	499.270	-24.8#	147	0.00	3.32
			AvgRF	CCRF	%Dev			
53		Trichloroethene	0.275	0.288	-4.7	127	0.00	3.50
54		Methylcyclohexane	0.410	0.447	-9.0	121	0.00	3.53
55		Dibromomethane	0.152	0.158	-3.9	124	0.00	3.73
56		1,2-Dichloropropane	0.258	0.268	-3.9	124	0.00	3.79
57		Bromodichloromethane	0.325	0.357	-9.8	127	0.00	3.83
58		Methyl methacrylate	0.136	0.166	-22.1#	142	0.00	3.91
59		1,4-Dioxane	0.001	0.001	0.0	150	0.00	3.94
			Amount	Calc.	%Drift			
60		2-Chloroethyl vinyl ether	200.000	243.300	-21.7#	147	0.00	4.16
			AvgRF	CCRF	%Dev			
61		cis-1,3-Dichloropropene	0.359	0.407	-13.4	128	0.00	4.21
62	I	Chlorobenzene-d5	1.000	1.000	0.0	125	0.00	5.35
63	S	Toluene-d8	1.408	1.393	1.1	124	0.00	4.34
64		Toluene	1.507	1.567	-4.0	126	0.00	4.37
			Amount	Calc.	%Drift			
65		2-Nitropropane	200.000	236.699	-18.3	156	0.00	4.46
66		4-Methyl-2-pentanone	200.000	225.417	-12.7	142	0.00	4.58
67		trans-1,3-Dichloropropene	40.000	40.827	-2.1	131	0.00	4.61
			AvgRF	CCRF	%Dev			
68		Tetrachloroethene	0.425	0.417	1.9	111	0.00	4.63

Continuing Calibration Summary

Job Number: FC19141A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1A3062-CC3047
Lab FileID: 1A59592.D

			Amount	Calc.	%Drift			
69		Ethyl methacrylate	40.000	40.176	-0.4	131	0.00	4.73
			AvgRF	CCRF	%Dev			
70		1,1,2-Trichloroethane	0.228	0.244	-7.0	128	0.00	4.71
71		Dibromochloromethane	0.310	0.351	-13.2	131	0.00	4.84
72		1,3-Dichloropropane	0.458	0.487	-6.3	127	0.00	4.89
73		1,2-Dibromoethane	0.264	0.284	-7.6	129	0.00	4.99
			Amount	Calc.	%Drift			
74		3,3-Dimethyl-1-Butanol	2000.000	2392.619	-19.6	150	0.00	5.12
75		2-hexanone	200.000	227.207	-13.6	144	0.00	5.14
			AvgRF	CCRF	%Dev			
76		1-Chlorohexane	0.520	0.536	-3.1	130	0.00	5.36
77		Ethylbenzene	1.687	1.735	-2.8	120	0.00	5.39
78		Chlorobenzene	0.967	0.978	-1.1	122	0.00	5.36
79		1,1,1,2-Tetrachloroethane	0.307	0.345	-12.4	129	0.00	5.41
80		m,p-Xylene	1.284	1.371	-6.8	124	0.00	5.50
81		o-Xylene	1.296	1.364	-5.2	122	0.00	5.80
82		Styrene	0.922	0.989	-7.3	119	0.00	5.83
83		Bromoform	0.174	0.204	-17.2	137	0.00	5.84
84		Isopropylbenzene	1.496	1.575	-5.3	120	0.00	6.04
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	124	0.00	7.09
86	S	4-Bromofluorobenzene	0.823	0.822	0.1	123	0.00	6.23
87		cis-1,4-Dichloro-2-butene	0.152	0.199	-30.9#	161	0.00	6.26
88		n-Propylbenzene	3.626	3.713	-2.4	121	0.00	6.34
89		Bromobenzene	0.744	0.747	-0.4	119	0.00	6.31
90		1,1,2,2-Tetrachloroethane	0.530	0.578	-9.1	128	0.00	6.37
91		1,3,5-Trimethylbenzene	2.267	2.422	-6.8	120	0.00	6.50
92		2-Chlorotoluene	2.008	2.063	-2.7	119	0.00	6.45
93		trans-1,4-Dichloro-2-Bute	0.206	0.248	-20.4#	142	0.00	6.50
94		1,2,3-Trichloropropane	0.151	0.167	-10.6	133	0.00	6.47
95		Cyclohexanone	0.011	0.013	-18.2	154	0.00	6.48
96		4-Chlorotoluene	2.066	2.183	-5.7	123	0.00	6.58
97		tert-Butylbenzene	1.367	1.421	-4.0	118	0.00	6.74
98		1,2,4-Trimethylbenzene	2.141	2.276	-6.3	119	0.00	6.80
			Amount	Calc.	%Drift			
99		Pentachloroethane	40.000	50.120	-25.3#	154	0.00	6.74
			AvgRF	CCRF	%Dev			
100		sec-Butylbenzene	2.904	2.973	-2.4	115	0.00	6.88
101		4-Isopropyltoluene	2.344	2.440	-4.1	115	0.00	7.01
102		1,3-Dichlorobenzene	1.312	1.293	1.4	117	0.00	7.03
103		1,2,3-Trimethylbenzene	2.157	2.168	-0.5	115	0.00	7.14
104		1,4-Dichlorobenzene	1.303	1.289	1.1	117	0.00	7.10
			Amount	Calc.	%Drift			
105		n-Butylbenzene	40.000	38.149	4.6	116	0.00	7.34
106		Benzyl Chloride	40.000	46.561	-16.4	141	0.00	7.29
			AvgRF	CCRF	%Dev			
107		1,2-Dichlorobenzene	1.138	1.126	1.1	117	0.00	7.42
108		1,2-Dibromo-3-Chloropropa	0.068	0.076	-11.8	136	0.00	8.00
109		Hexachlorobutadiene	0.305	0.307	-0.7	118	0.00	8.51
110		1,2,4-Trichlorobenzene	0.542	0.544	-0.4	112	0.00	8.50
			Amount	Calc.	%Drift			

Continuing Calibration Summary

Job Number: FC19141A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1A3062-CC3047
Lab FileID: 1A59592.D

111	Naphthalene	40.000	39.814	0.5	118	0.00	8.71
		AvgRF	CCRF	%Dev			
112	1,2,3-Trichlorobenzene	0.422	0.432	-2.4	115	0.00	8.83

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1A59239.D V1A3047_09182024.M Tue Oct 01 07:10:21 2024

Continuing Calibration Summary

Job Number: FC19141A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1A3062-ECC3047
Lab FileID: 1A59621.D

Evaluate Continuing Calibration Report

Data File : X:\Orlando VOA\jhene...024\V1A3062\1A59621.d Vial: 31
Acq On : 1 Oct 2024 6:25 pm Operator: jeniferw
Sample : ECC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,, Multiplr: 1.00
MS Integration Params: med.p

Method : X:\Orlando VOA\j...A3047_09182024.M (RTE Integrator)
Title : SW-846 Method 5030/8260D & EPA 624.1
Last Update : Wed Sep 18 13:49:10 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 50% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	116	0.00	3.40
2	Dichlorodifluoromethane	0.278	0.349	-25.5	146	0.00	1.02
3	Chloromethane	0.254	0.301	-18.5	136	0.00	1.13
4	1,3-butadiene	0.229	0.232	-1.3	120	0.00	1.18
5	Vinyl Chloride	0.280	0.306	-9.3	128	0.00	1.17
6	Bromomethane	0.150	0.166	-10.7	119	0.00	1.35
7	Chloroethane	0.190	0.173	8.9	115	0.00	1.42
8	Trichlorofluoromethane	0.426	0.422	0.9	116	0.00	1.50
9	Ethyl Ether	0.177	0.175	1.1	115	0.00	1.65
		True	Calc.	% Drift			
10	Ethanol	800.000	813.134	-1.6	116	0.00	1.70
		AvgRF	CCRF	% Dev			
11	1,2-Dichlorotrifluoroetha	0.294	0.305	-3.7	118	0.00	1.74
12	1,1-Dichloroethene	0.352	0.396	-12.5	127	0.00	1.76
13	Freon 113	0.234	0.251	-7.3	120	0.00	1.79
14	Carbon Disulfide	0.710	0.752	-5.9	121	0.00	1.78
		True	Calc.	% Drift			
15	Iodomethane	40.000	50.487	-26.2	141	0.00	1.83
		AvgRF	CCRF	% Dev			
16	Acrolein	0.025	0.022	12.0	98	0.00	1.90
17	Allyl chloride	0.323	0.367	-13.6	129	0.00	2.00
		True	Calc.	% Drift			
18	Methylene Chloride	40.000	42.901	-7.3	125	0.00	2.04
		AvgRF	CCRF	% Dev			
19	Acetone	0.044	0.042	4.5	117	0.00	2.04
20	Methyl acetate	0.120	0.117	2.5	113	0.00	2.12
21	trans-1,2-Dichloroethene	0.350	0.382	-9.1	124	0.00	2.13
22	Hexane	0.218	0.239	-9.6	124	0.00	2.20
23	Methyl Tert Butyl Ether	0.537	0.543	-1.1	112	0.00	2.19
		True	Calc.	% Drift			
24	Acetonitrile	400.000	361.116	9.7	115	0.00	2.27
		AvgRF	CCRF	% Dev			
25	Tert Butyl Alcohol	0.012	0.010	16.7	96	0.00	2.20
26	Di-isopropyl ether	0.706	0.802	-13.6	124	0.00	2.39

Continuing Calibration Summary

Job Number: FC19141A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1A3062-ECC3047
Lab FileID: 1A59621.D

27		Chloroprene	0.669	0.727	-8.7	124	0.00	2.43
28		1,1-Dichloroethane	0.453	0.493	-8.8	123	0.00	2.44
29		Acrylonitrile	0.070	0.073	-4.3	121	0.00	2.43
30		ETBE	0.652	0.733	-12.4	120	0.00	2.57
31		Vinyl acetate	0.394	0.424	-7.6	119	0.00	2.56
32		cis-1,2-Dichloroethene	0.266	0.277	-4.1	120	0.00	2.72
33		2,2-Dichloropropane	0.331	0.360	-8.8	121	0.00	2.78
34		Bromochloromethane	0.132	0.134	-1.5	115	0.00	2.82
35		Cyclohexane	0.420	0.480	-14.3	123	0.00	2.86
36		Chloroform	0.469	0.507	-8.1	123	0.00	2.86
37		Ethyl acetate	0.157	0.159	-1.3	116	0.00	2.91
38		Tetrahydrofuran	0.047	0.045	4.3	119	0.00	2.94
39	S	Dibromofluoromethane	0.285	0.282	1.1	116	0.00	2.95
40		Carbon Tetrachloride	0.353	0.372	-5.4	119	0.00	2.96
41		1,1,1-Trichloroethane	0.385	0.421	-9.4	122	0.00	2.98
42		2-Butanone	0.067	0.066	1.5	114	0.00	3.00
			True	Calc.	% Drift			
43		1,1-Dichloropropene	40.000	43.478	-8.7	122	0.00	3.05
44		tert-Butyl formate	200.000	244.713	-22.4	141	0.00	3.09
			AvgRF	CCRF	% Dev			
45		Propionitrile	0.021	0.020	4.8	110	0.00	3.14
46		Methacrylonitrile	0.103	0.105	-1.9	117	0.00	3.17
47		Benzene	0.979	1.055	-7.8	120	0.00	3.18
48		TAME	0.527	0.549	-4.2	114	0.00	3.24
49	S	1,2-Dichloroethane-d4	0.314	0.329	-4.8	120	0.00	3.24
50		1,2-Dichloroethane	0.329	0.356	-8.2	127	0.00	3.27
51		Isobutyl Alcohol	0.013	0.014	-7.7	118	0.00	3.25
			True	Calc.	% Drift			
52		Tert Amyl Alcohol	400.000	328.303	17.9	90	0.00	3.32
			AvgRF	CCRF	% Dev			
53		Trichloroethene	0.275	0.288	-4.7	122	0.00	3.50
54		Methylcyclohexane	0.410	0.452	-10.2	118	0.00	3.53
55		Dibromomethane	0.152	0.154	-1.3	116	0.00	3.73
56		1,2-Dichloropropane	0.258	0.276	-7.0	123	0.00	3.79
57		Bromodichloromethane	0.325	0.361	-11.1	123	0.00	3.83
58		Methyl methacrylate	0.136	0.143	-5.1	118	0.00	3.91
59		1,4-Dioxane	0.001	0.001	0.0	97	0.00	3.94
			True	Calc.	% Drift			
60		2-Chloroethyl vinyl ether	200.000	218.313	-9.2	125	0.00	4.16
			AvgRF	CCRF	% Dev			
61		cis-1,3-Dichloropropene	0.359	0.397	-10.6	120	0.00	4.21
62	I	Chlorobenzene-d5	1.000	1.000	0.0	120	0.00	5.35
63	S	Toluene-d8	1.408	1.376	2.3	118	0.00	4.34
64		Toluene	1.507	1.559	-3.5	121	0.00	4.37
			True	Calc.	% Drift			
65		2-Nitropropane	200.000	192.039	4.0	122	0.00	4.46
66		4-Methyl-2-pentanone	200.000	187.687	6.2	114	0.00	4.57
67		trans-1,3-Dichloropropene	40.000	38.838	2.9	120	0.00	4.61
			AvgRF	CCRF	% Dev			
68		Tetrachloroethene	0.425	0.484	-13.9	124	0.00	4.63

Continuing Calibration Summary

Job Number: FC19141A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1A3062-ECC3047
Lab FileID: 1A59621.D

			True	Calc.	% Drift			
69		Ethyl methacrylate	40.000	35.102	12.2	110	0.00	4.73
			AvgRF	CCRF	% Dev			
70		1,1,2-Trichloroethane	0.228	0.226	0.9	114	0.00	4.71
71		Dibromochloromethane	0.310	0.336	-8.4	121	0.00	4.84
72		1,3-Dichloropropane	0.458	0.466	-1.7	117	0.00	4.89
73		1,2-Dibromoethane	0.264	0.269	-1.9	117	0.00	4.99
			True	Calc.	% Drift			
74		3,3-Dimethyl-1-Butanol	2000.000	1739.602	13.0	99	0.00	5.12
75		2-hexanone	200.000	178.505	10.7	109	0.00	5.14
			AvgRF	CCRF	% Dev			
76		1-Chlorohexane	0.520	0.531	-2.1	124	0.00	5.36
77		Ethylbenzene	1.687	1.724	-2.2	115	0.00	5.39
78		Chlorobenzene	0.967	0.981	-1.4	118	0.00	5.36
79		1,1,1,2-Tetrachloroethane	0.307	0.340	-10.7	123	0.00	5.41
80		m,p-Xylene	1.284	1.372	-6.9	120	0.00	5.50
81		o-Xylene	1.296	1.375	-6.1	118	0.00	5.80
82		Styrene	0.922	1.007	-9.2	117	0.00	5.83
83		Bromoform	0.174	0.182	-4.6	118	0.00	5.84
84		Isopropylbenzene	1.496	1.585	-5.9	116	0.00	6.04
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	119	0.00	7.09
86	S	4-Bromofluorobenzene	0.823	0.823	0.0	118	0.00	6.23
87		cis-1,4-Dichloro-2-butene	0.152	0.167	-9.9	130	0.00	6.26
88		n-Propylbenzene	3.626	3.800	-4.8	119	0.00	6.34
89		Bromobenzene	0.744	0.755	-1.5	115	0.00	6.30
90		1,1,2,2-Tetrachloroethane	0.530	0.506	4.5	108	0.00	6.37
91		1,3,5-Trimethylbenzene	2.267	2.520	-11.2	120	0.00	6.50
92		2-Chlorotoluene	2.008	2.096	-4.4	116	0.00	6.45
93		trans-1,4-Dichloro-2-Bute	0.206	0.228	-10.7	125	0.00	6.50
94		1,2,3-Trichloropropane	0.151	0.150	0.7	115	0.00	6.46
95		Cyclohexanone	0.011	0.010	9.1	111	0.00	6.48
96		4-Chlorotoluene	2.066	2.230	-7.9	121	0.00	6.58
97		tert-Butylbenzene	1.367	1.501	-9.8	119	0.00	6.74
98		1,2,4-Trimethylbenzene	2.141	2.366	-10.5	118	0.00	6.80
			True	Calc.	% Drift			
99		Pentachloroethane	40.000	38.177	4.6	113	0.00	6.74
			AvgRF	CCRF	% Dev			
100		sec-Butylbenzene	2.904	3.097	-6.6	115	0.00	6.88
101		4-Isopropyltoluene	2.344	2.563	-9.3	116	0.00	7.01
102		1,3-Dichlorobenzene	1.312	1.316	-0.3	114	0.00	7.03
103		1,2,3-Trimethylbenzene	2.157	2.276	-5.5	116	0.00	7.14
104		1,4-Dichlorobenzene	1.303	1.311	-0.6	114	0.00	7.10
			True	Calc.	% Drift			
105		n-Butylbenzene	40.000	40.005	-0.0	116	0.00	7.34
106		Benzyl Chloride	40.000	35.646	10.9	101	0.00	7.29
			AvgRF	CCRF	% Dev			
107		1,2-Dichlorobenzene	1.138	1.140	-0.2	114	0.00	7.42
108		1,2-Dibromo-3-Chloropropa	0.068	0.070	-2.9	121	0.00	8.00
109		Hexachlorobutadiene	0.305	0.312	-2.3	115	0.00	8.51
110		1,2,4-Trichlorobenzene	0.542	0.539	0.6	106	0.00	8.50
			True	Calc.	% Drift			

Continuing Calibration Summary

Job Number: FC19141A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1A3062-ECC3047
Lab FileID: 1A59621.D

111	Naphthalene	40.000	37.265	6.8	105	0.00	8.71
		AvgRF	CCRF	% Dev			
112	1,2,3-Trichlorobenzene	0.422	0.416	1.4	106	0.00	8.83

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1A59239.D V1A3047_09182024.M Wed Oct 02 01:34:08 2024

Run Sequence Report

Job Number: FC19141A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Run ID: V1A3047 **Method:** SW846 8260D **Instrument ID:** GCMS1A

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V1A3047-BFB	1A59227.D	09/18/24 07:29	n/a	BFB Tune
V1A3047-IC3047	1A59229.D	09/18/24 08:10	n/a	Initial cal 1
V1A3047-IC3047	1A59231.D	09/18/24 08:42	n/a	Initial cal 8
V1A3047-IC3047	1A59233.D	09/18/24 09:14	n/a	Initial cal 2
V1A3047-IC3047	1A59235.D	09/18/24 09:46	n/a	Initial cal 3
V1A3047-IC3047	1A59237.D	09/18/24 10:18	n/a	Initial cal 4
V1A3047-ICC3047	1A59239.D	09/18/24 10:51	n/a	Initial cal 5
V1A3047-IC3047	1A59241.D	09/18/24 11:23	n/a	Initial cal 6
V1A3047-IC3047	1A59243.D	09/18/24 11:55	n/a	Initial cal 7
V1A3047-ICV3047	1A59249.D	09/18/24 13:31	n/a	Initial cal verification 5
V1A3047-BS	1A59251A.D	09/18/24 14:03	n/a	Blank Spike
V1A3047-ICV3047	1A59251.D	09/18/24 14:03	n/a	Initial cal verification 4
V1A3047-MB	1A59257.D	09/18/24 15:40	n/a	Method Blank
FC18845-2	1A59259.D	09/18/24 16:12	n/a	(used for QC only; not part of job FC19141A)
ZZZZZZ	1A59261.D	09/18/24 16:44	n/a	(unrelated sample)
ZZZZZZ	1A59263.D	09/18/24 17:16	n/a	(unrelated sample)
ZZZZZZ	1A59265.D	09/18/24 17:48	n/a	(unrelated sample)
ZZZZZZ	1A59267.D	09/18/24 18:20	n/a	(unrelated sample)
ZZZZZZ	1A59269.D	09/18/24 18:52	n/a	(unrelated sample)
FC18845-2MS	1A59271.D	09/18/24 19:24	n/a	Matrix Spike
FC18845-2MSD	1A59273.D	09/18/24 19:56	n/a	Matrix Spike Duplicate
V1A3047-ECC3047	1A59275.D	09/18/24 20:28	n/a	Ending cal 5

Run Sequence Report

Job Number: FC19141A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Run ID: V1A3062 **Method:** SW846 8260D **Instrument ID:** GCMS1A

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V1A3062-BFB	1A59591.D	10/01/24 06:18	n/a	BFB Tune
V1A3062-CC3047	1A59592.D	10/01/24 06:42	n/a	Continuing cal 5
V1A3062-BS	1A59593.D	10/01/24 07:07	n/a	Blank Spike
V1A3062-MB	1A59596.D	10/01/24 08:20	n/a	Method Blank
ZZZZZZ	1A59597.D	10/01/24 08:45	n/a	(unrelated sample)
FC19116-7	1A59598.D	10/01/24 09:09	n/a	(used for QC only; not part of job FC19141A)
FC19164-5	1A59599.D	10/01/24 09:33	n/a	(used for QC only; not part of job FC19141A)
ZZZZZZ	1A59600.D	10/01/24 09:57	n/a	(unrelated sample)
ZZZZZZ	1A59601.D	10/01/24 10:22	n/a	(unrelated sample)
ZZZZZZ	1A59602.D	10/01/24 10:46	n/a	(unrelated sample)
ZZZZZZ	1A59603.D	10/01/24 11:10	n/a	(unrelated sample)
ZZZZZZ	1A59604.D	10/01/24 11:34	n/a	(unrelated sample)
ZZZZZZ	1A59605.D	10/01/24 11:58	n/a	(unrelated sample)
ZZZZZZ	1A59606.D	10/01/24 12:22	n/a	(unrelated sample)
ZZZZZZ	1A59607.D	10/01/24 12:46	n/a	(unrelated sample)
ZZZZZZ	1A59608.D	10/01/24 13:11	n/a	(unrelated sample)
FC19141-3	1A59609.D	10/01/24 13:35	n/a	789MW-216_0924
ZZZZZZ	1A59610.D	10/01/24 13:59	n/a	(unrelated sample)
ZZZZZZ	1A59611.D	10/01/24 14:23	n/a	(unrelated sample)
FC19141-6	1A59612.D	10/01/24 14:47	n/a	789SW-02_0924
FC19141-7	1A59613.D	10/01/24 15:11	n/a	789SW-03_0924
FC19141-8	1A59614.D	10/01/24 15:36	n/a	789SW-04_0924
ZZZZZZ	1A59615.D	10/01/24 16:00	n/a	(unrelated sample)
ZZZZZZ	1A59616.D	10/01/24 16:24	n/a	(unrelated sample)
FC19164-5MS	1A59617.D	10/01/24 16:48	n/a	Matrix Spike
FC19164-5MSD	1A59618.D	10/01/24 17:12	n/a	Matrix Spike Duplicate
FC19116-7MS	1A59619.D	10/01/24 17:36	n/a	Matrix Spike
FC19116-7MSD	1A59620.D	10/01/24 18:01	n/a	Matrix Spike Duplicate
V1A3062-ECC3047	1A59621.D	10/01/24 18:25	n/a	Ending cal 5

MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : X:\Orlando VOA\LauraB\10. October\01102024\V1A3062\
Data File : 1A59609.d
Acq On : 1 Oct 2024 1:35 pm
Operator : jeniferw
Sample : FC19141-3 Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 01 20:58:01 2024
Quant Method : X:\Orlando VOA\LauraB\10. October\01102024\V1A3062\method\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration

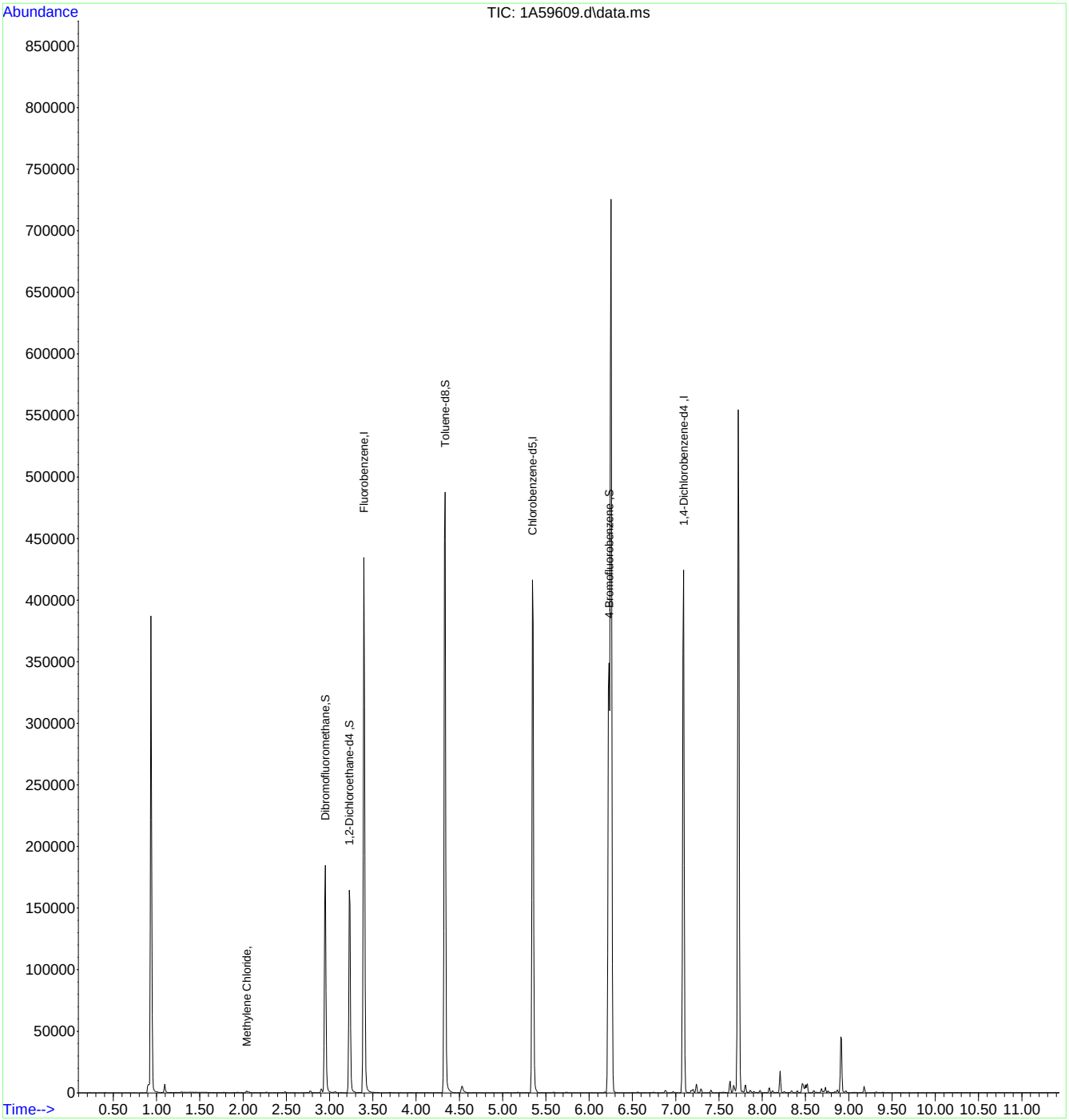
Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) Fluorobenzene		3.397	96	232208	50.00	ug/L	0.00
62) Chlorobenzene-d5		5.344	117	168597	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4		7.091	152	85310	50.00	ug/L	0.00
System Monitoring Compounds							
39) Dibromofluoromethane		2.951	113	67604	51.04	ug/L	0.00
Spiked Amount	50.000	Range 83 - 118		Recovery =	102.08%		
49) 1,2-Dichloroethane-d4		3.228	65	76953	52.82	ug/L	0.00
Spiked Amount	50.000	Range 79 - 125		Recovery =	105.64%		
63) Toluene-d8		4.336	98	228230	48.08	ug/L	0.00
Spiked Amount	50.000	Range 85 - 112		Recovery =	96.16%		
86) 4-Bromofluorobenzene		6.229	174	70110	49.94	ug/L	0.00
Spiked Amount	50.000	Range 83 - 118		Recovery =	99.88%		
Target Compounds							Qvalue
18) Methylene Chloride		2.043	49	582	0.3881	ug/L	73

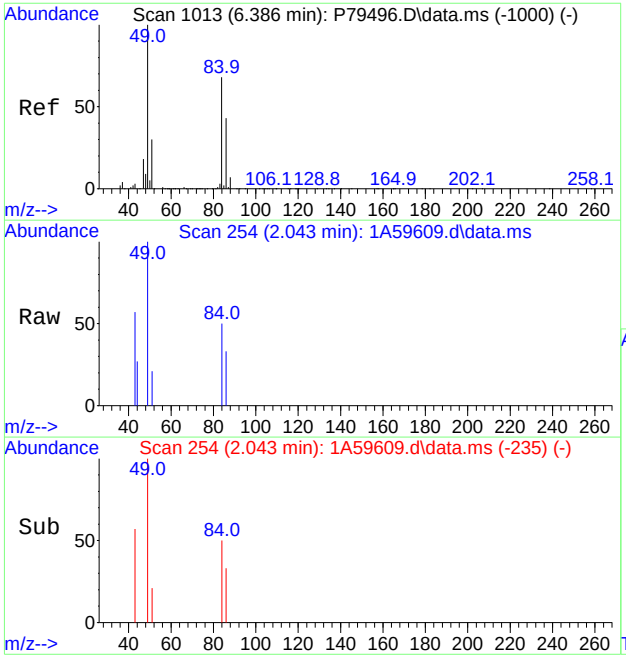
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Orlando VOA\LauraB\10. October\01102024\V1A3062\
Data File : 1A59609.d
Acq On : 1 Oct 2024 1:35 pm
Operator : jeniferw
Sample : FC19141-3 Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 01 20:58:01 2024
Quant Method : X:\Orlando VOA\LauraB\10. October\01102024\V1A3062\method\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration

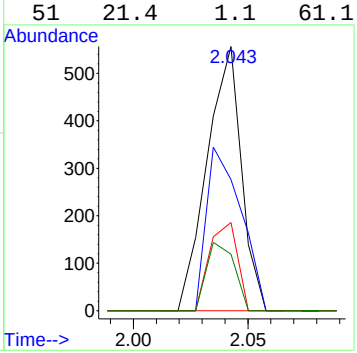




#18
Methylene Chloride
Concen: 0.3881 ug/L
RT: 2.043 min Scan# 254
Delta R.T. -0.000 min
Lab File: 1A59609.d
Acq: 1 Oct 2024 1:35 pm

Tgt Ion: 49 Resp: 582

Ion	Ratio	Lower	Upper
49	100		
84	49.6	46.3	106.3
86	33.4	20.8	80.8
51	21.4	1.1	61.1



7.1.1

7

Quantitation Report (QT Reviewed)

Data Path : X:\Orlando VOA\LauraB\10. October\01102024\V1A3062\
Data File : 1A59612.d
Acq On : 1 Oct 2024 2:47 pm
Operator : jeniferw
Sample : FC19141-6 Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 01 20:48:37 2024
Quant Method : X:\Orlando VOA\LauraB\10. October\01102024\V1A3062\method\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration

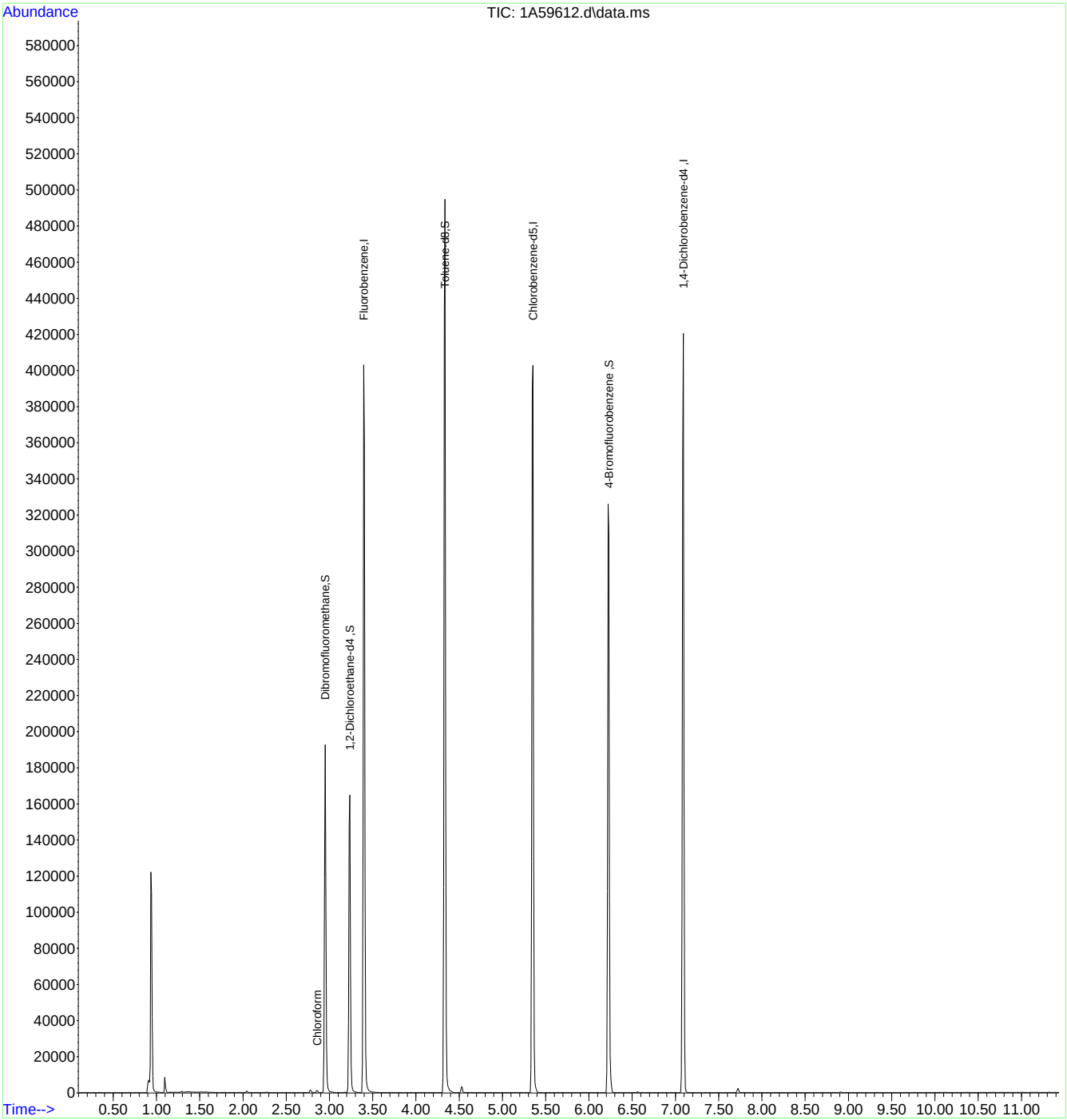
Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) Fluorobenzene		3.397	96	227899	50.00	ug/L	0.00
62) Chlorobenzene-d5		5.352	117	165746	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4		7.091	152	82977	50.00	ug/L	0.00
System Monitoring Compounds							
39) Dibromofluoromethane		2.951	113	67499	51.92	ug/L	0.00
Spiked Amount	50.000	Range 83 - 118		Recovery =	103.84%		
49) 1,2-Dichloroethane-d4		3.235	65	76141	53.25	ug/L	0.00
Spiked Amount	50.000	Range 79 - 125		Recovery =	106.50%		
63) Toluene-d8		4.336	98	222342	47.64	ug/L	0.00
Spiked Amount	50.000	Range 85 - 112		Recovery =	95.28%		
86) 4-Bromofluorobenzene		6.229	174	69516	50.91	ug/L	0.00
Spiked Amount	50.000	Range 83 - 118		Recovery =	101.82%		
Target Compounds							Qvalue
36) Chloroform		2.858	83	795	0.3718	ug/L	84

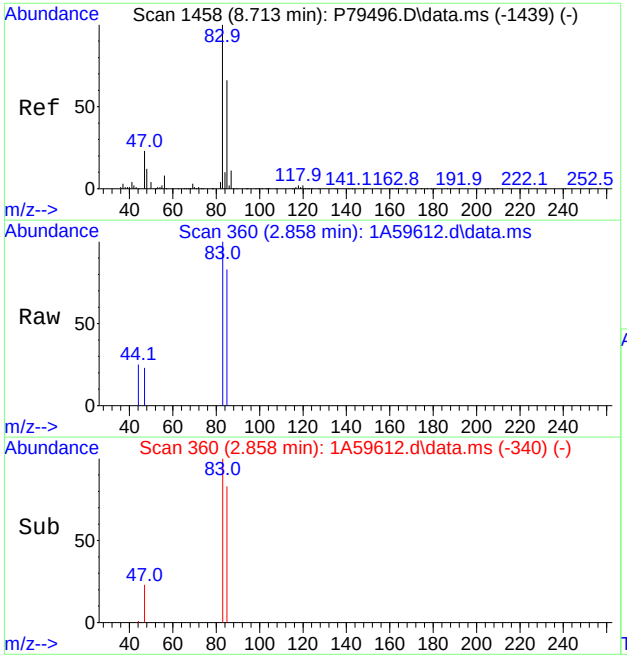
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Orlando VOA\LauraB\10. October\01102024\V1A3062\
Data File : 1A59612.d
Acq On : 1 Oct 2024 2:47 pm
Operator : jeniferw
Sample : FC19141-6 Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 01 20:48:37 2024
Quant Method : X:\Orlando VOA\LauraB\10. October\01102024\V1A3062\method\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration

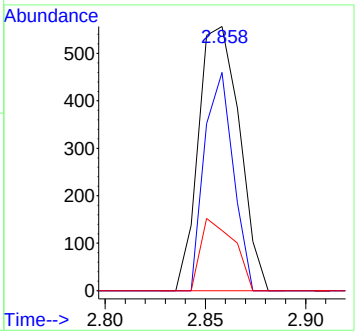




#36
Chloroform
Concen: 0.3718 ug/L
RT: 2.858 min Scan# 360
Delta R.T. 0.000 min
Lab File: 1A59612.d
Acq: 1 Oct 2024 2:47 pm

Tgt Ion: 83 Resp: 795

Ion	Ratio	Lower	Upper
83	100		
85	82.6	35.9	95.9
47	22.8	0.0	54.0



Quantitation Report (QT Reviewed)

Data Path : X:\Orlando VOA\LauraB\10. October\01102024\V1A3062\
Data File : 1A59613.d
Acq On : 1 Oct 2024 3:11 pm
Operator : jeniferw
Sample : FC19141-7 Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 01 20:58:55 2024
Quant Method : X:\Orlando VOA\LauraB\10. October\01102024\V1A3062\method\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration

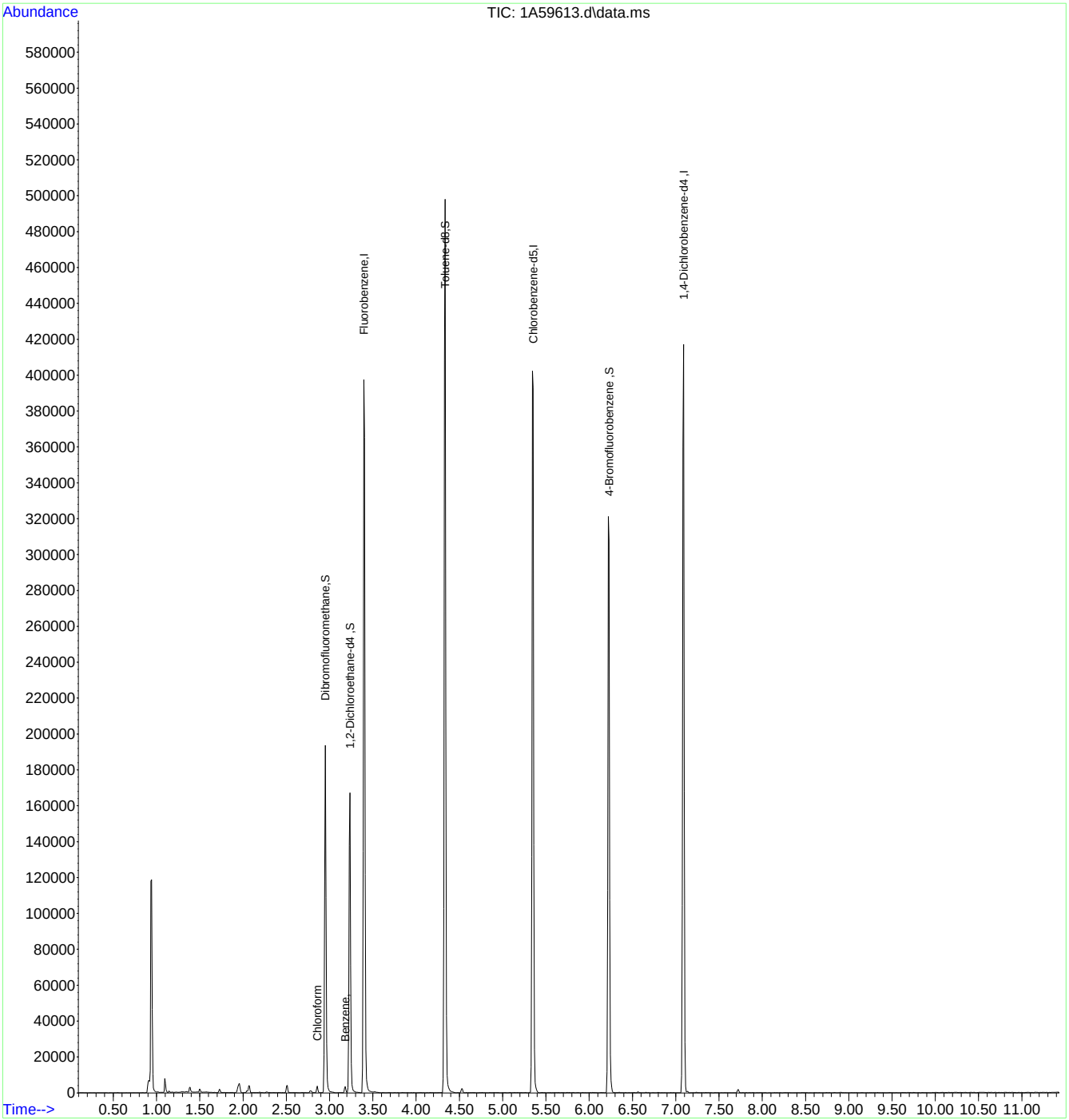
Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) Fluorobenzene		3.397	96	227474	50.00	ug/L	0.00
62) Chlorobenzene-d5		5.352	117	165181	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4		7.091	152	82801	50.00	ug/L	0.00
System Monitoring Compounds							
39) Dibromofluoromethane		2.950	113	66715	51.42	ug/L	0.00
Spiked Amount	50.000	Range 83 - 118		Recovery =	102.84%		
49) 1,2-Dichloroethane-d4		3.235	65	75106	52.63	ug/L	0.00
Spiked Amount	50.000	Range 79 - 125		Recovery =	105.26%		
63) Toluene-d8		4.336	98	221616	47.65	ug/L	0.00
Spiked Amount	50.000	Range 85 - 112		Recovery =	95.30%		
86) 4-Bromofluorobenzene		6.229	174	69192	50.78	ug/L	0.00
Spiked Amount	50.000	Range 83 - 118		Recovery =	101.56%		
Target Compounds							Qvalue
36) Chloroform		2.858	83	791	0.3707	ug/L	87
47) Benzene		3.181	78	1995	0.4481	ug/L	91

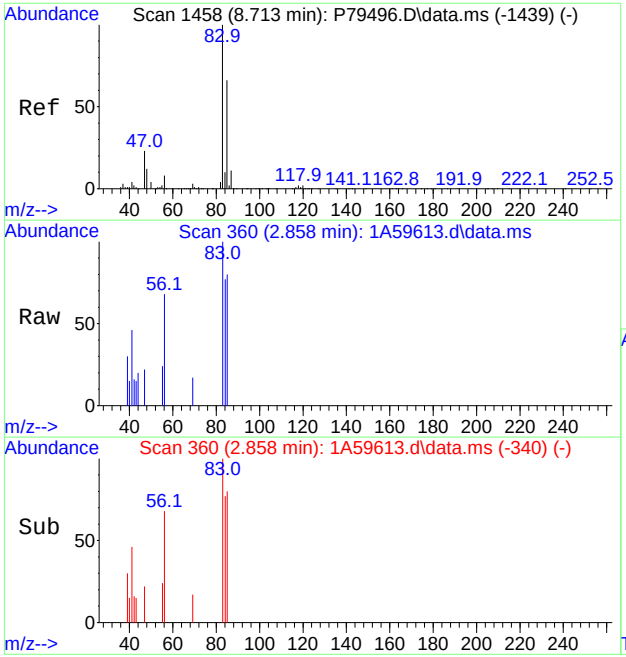
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Orlando VOA\LauraB\10. October\01102024\V1A3062\
Data File : 1A59613.d
Acq On : 1 Oct 2024 3:11 pm
Operator : jeniferw
Sample : FC19141-7 Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 01 20:58:55 2024
Quant Method : X:\Orlando VOA\LauraB\10. October\01102024\V1A3062\method\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration

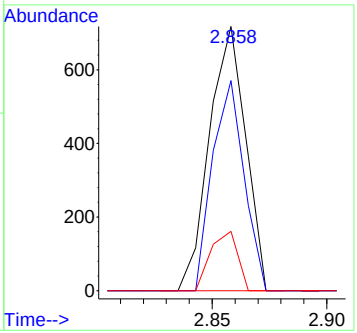


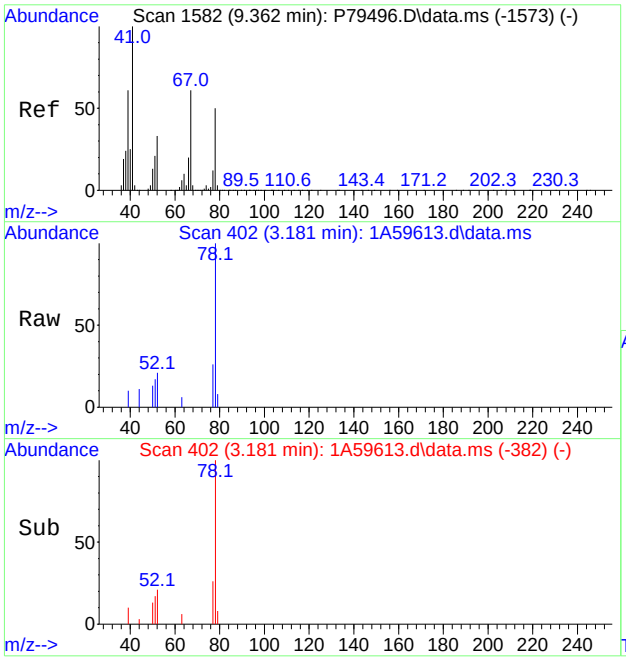


#36
Chloroform
Concen: 0.3707 ug/L
RT: 2.858 min Scan# 360
Delta R.T. 0.000 min
Lab File: 1A59613.d
Acq: 1 Oct 2024 3:11 pm

Tgt Ion: 83 Resp: 791

Ion	Ratio	Lower	Upper
83	100		
85	79.5	35.9	95.9
47	22.4	0.0	54.0

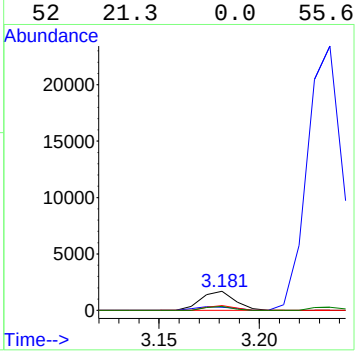




#47
Benzene
Concen: 0.4481 ug/L
RT: 3.181 min Scan# 402
Delta R.T. 0.007 min
Lab File: 1A59613.d
Acq: 1 Oct 2024 3:11 pm

Tgt Ion: 78 Resp: 1995

Ion	Ratio	Lower	Upper
78	100		
51	16.8	0.0	52.8
77	25.7	0.0	53.3
52	21.3	0.0	55.6



Quantitation Report (QT Reviewed)

Data Path : X:\Orlando VOA\LauraB\10. October\01102024\V1A3062\
Data File : 1A59614.d
Acq On : 1 Oct 2024 3:36 pm
Operator : jeniferw
Sample : FC19141-8 Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Oct 01 20:59:49 2024
Quant Method : X:\Orlando VOA\LauraB\10. October\01102024\V1A3062\method\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration

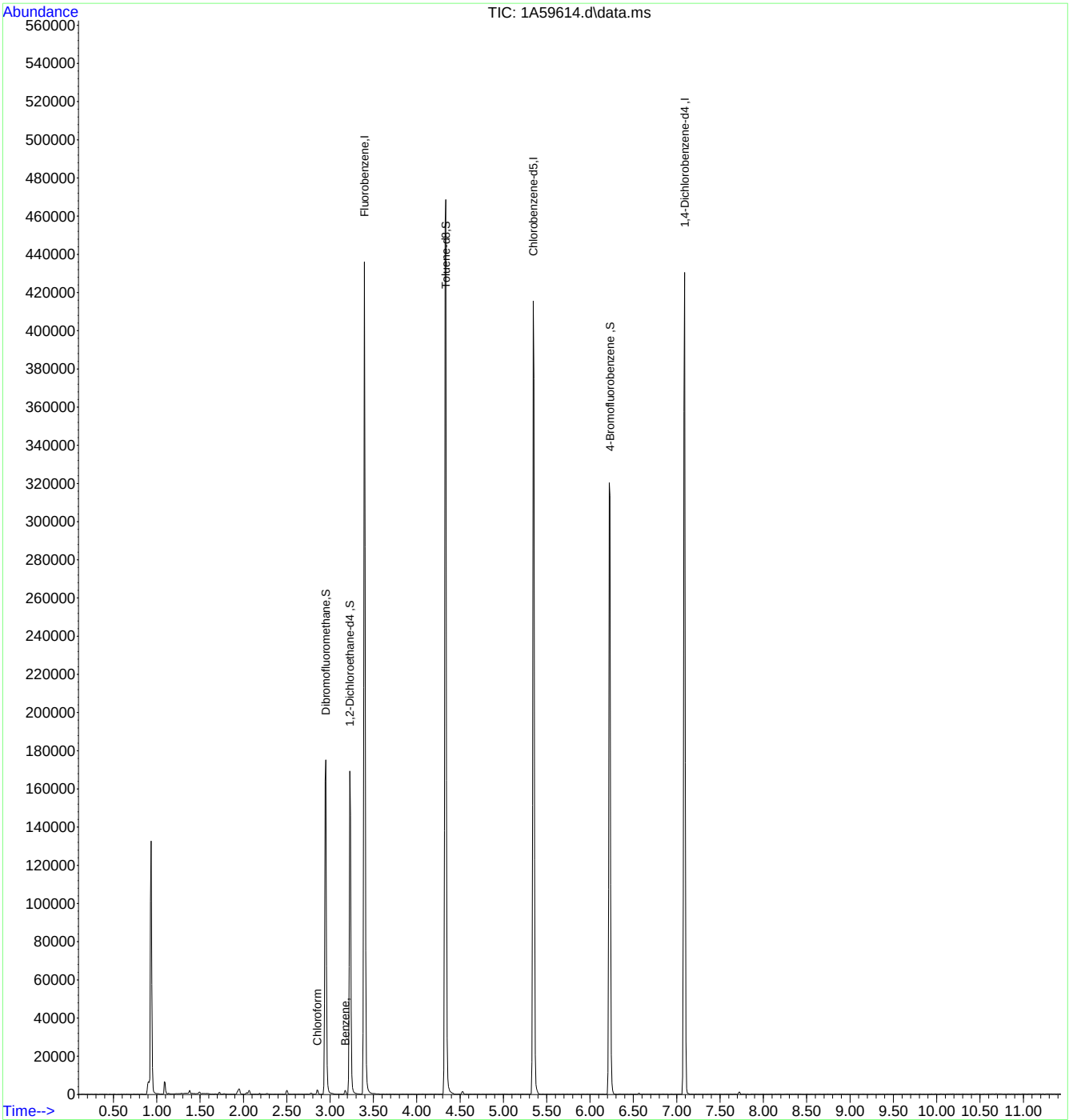
Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) Fluorobenzene		3.397	96	227965	50.00	ug/L	0.00
62) Chlorobenzene-d5		5.344	117	165425	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4		7.091	152	83789	50.00	ug/L	0.00
System Monitoring Compounds							
39) Dibromofluoromethane		2.951	113	67544	51.94	ug/L	0.00
Spiked Amount	50.000	Range 83 - 118		Recovery =	103.88%		
49) 1,2-Dichloroethane-d4		3.228	65	76689	53.62	ug/L	0.00
Spiked Amount	50.000	Range 79 - 125		Recovery =	107.24%		
63) Toluene-d8		4.336	98	220802	47.40	ug/L	0.00
Spiked Amount	50.000	Range 85 - 112		Recovery =	94.80%		
86) 4-Bromofluorobenzene		6.229	174	69336	50.29	ug/L	0.00
Spiked Amount	50.000	Range 83 - 118		Recovery =	100.58%		
Target Compounds							Qvalue
36) Chloroform		2.851	83	776	0.3628	ug/L	85
47) Benzene		3.174	78	1203	0.2696	ug/L	94

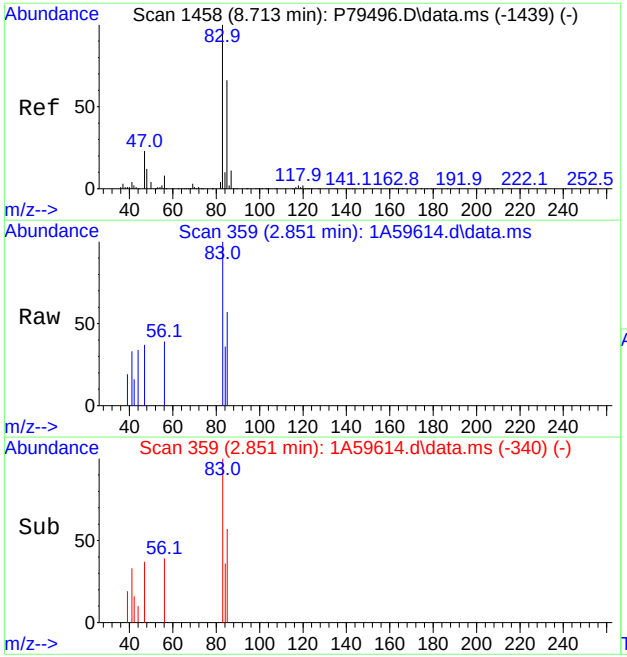
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Orlando VOA\LauraB\10. October\01102024\V1A3062\
Data File : 1A59614.d
Acq On : 1 Oct 2024 3:36 pm
Operator : jeniferw
Sample : FC19141-8 Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Oct 01 20:59:49 2024
Quant Method : X:\Orlando VOA\LauraB\10. October\01102024\V1A3062\method\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration

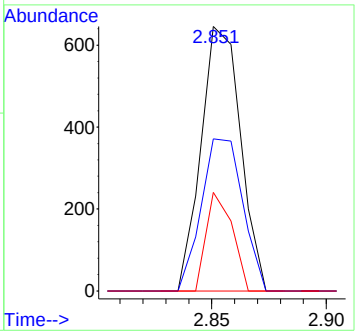


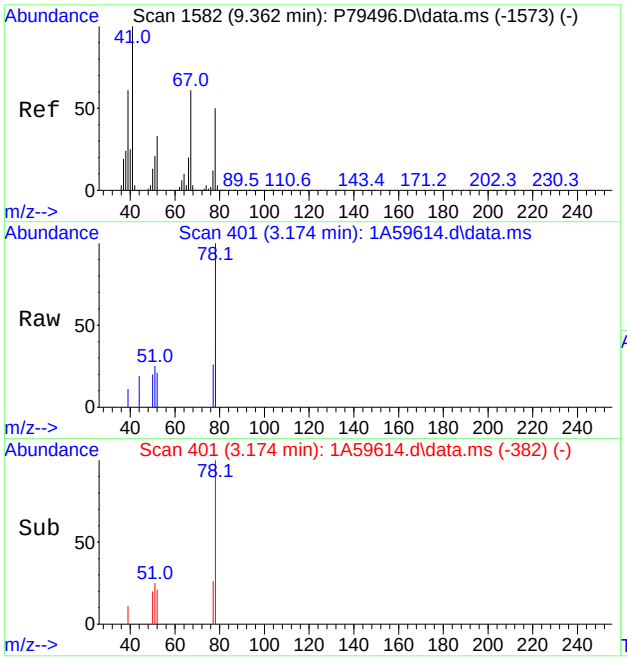


#36
Chloroform
Concen: 0.3628 ug/L
RT: 2.851 min Scan# 359
Delta R.T. -0.007 min
Lab File: 1A59614.d
Acq: 1 Oct 2024 3:36 pm

Tgt Ion: 83 Resp: 776

Ion	Ratio	Lower	Upper
83	100		
85	57.4	35.9	95.9
47	37.3	0.0	54.0

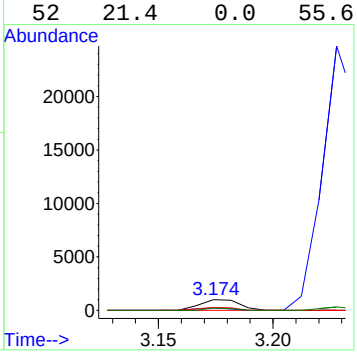




#47
Benzene
Concen: 0.2696 ug/L
RT: 3.174 min Scan# 401
Delta R.T. -0.000 min
Lab File: 1A59614.d
Acq: 1 Oct 2024 3:36 pm

Tgt Ion: 78 Resp: 1203

Ion	Ratio	Lower	Upper
78	100		
51	25.0	0.0	52.8
77	26.2	0.0	53.3
52	21.4	0.0	55.6



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100124\
Data File : 1A59596.D
Acq On : 1 Oct 2024 8:20 am
Operator : jeniferw
Sample : MB Inst : MSVOA17-1A_2A
Misc : MS57600,V1A3062,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 01 08:31:51 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.397	96	235423	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.352	117	171675	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.091	152	89263	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	2.951	113	68309	50.87	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.74%			
49) 1,2-Dichloroethane-d4	3.235	65	79103	53.56	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 107.12%			
63) Toluene-d8	4.336	98	232720	48.14	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 96.28%			
86) 4-Bromofluorobenzene	6.229	174	72314	49.23	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.46%			

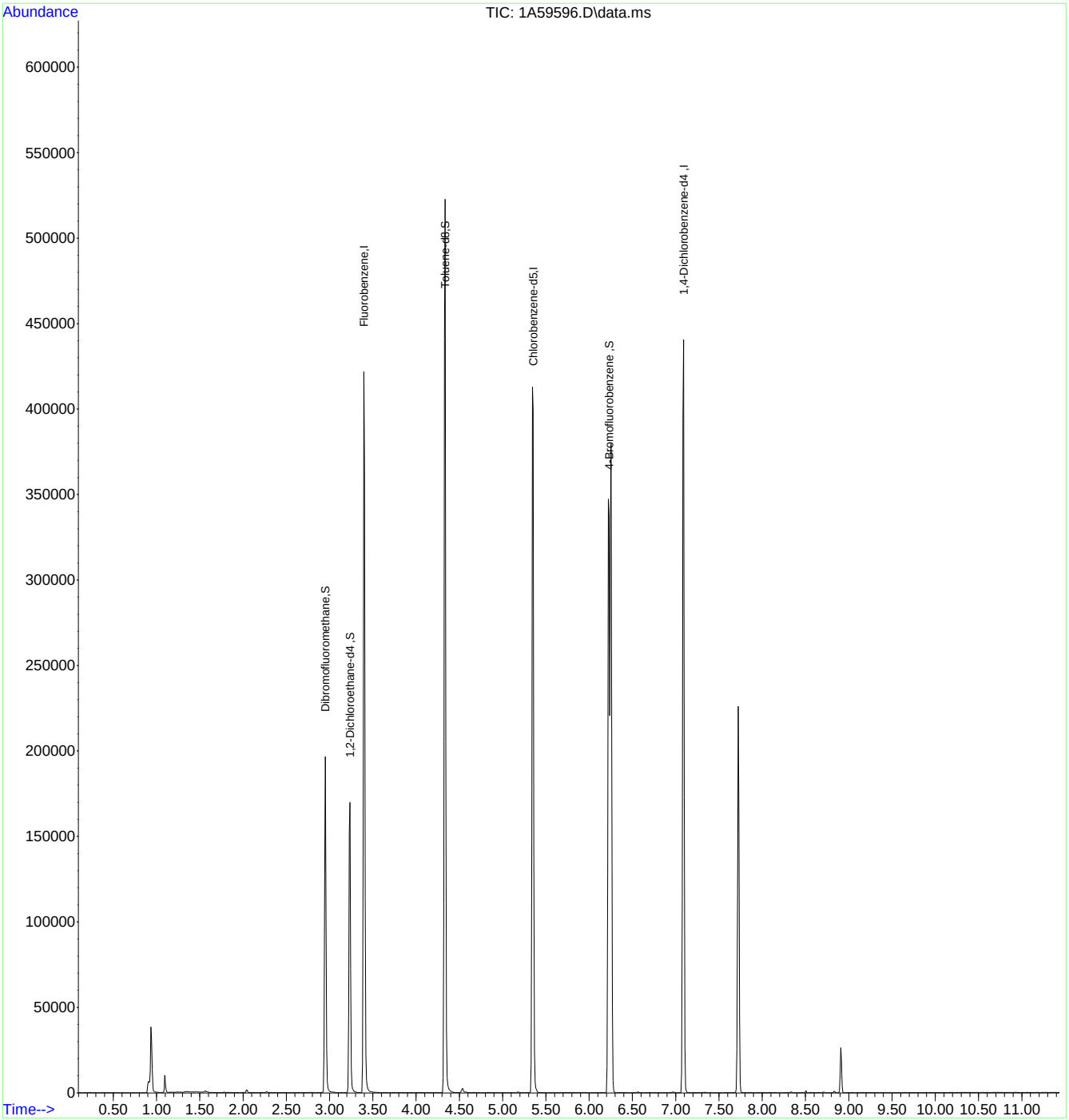
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100124\
Data File : 1A59596.D
Acq On : 1 Oct 2024 8:20 am
Operator : jeniferw
Sample : MB Inst : MSVOA17-1A_2A
Misc : MS57600,V1A3062,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 01 08:31:51 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
10/04/24 12:04

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100124\
Data File : 1A59593.D
Acq On : 1 Oct 2024 7:07 am
Operator : jeniferw
Sample : BS Inst : MSVOA17-1A_2A
Misc : MS57600,V1A3062,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 01 07:21:02 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.397	96	254458	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.352	117	179982	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.091	152	93672	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	2.951	113	71870	49.52	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	99.04%		
49) 1,2-Dichloroethane-d4	3.235	65	83064	52.03	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery =	104.06%		
63) Toluene-d8	4.336	98	249022	49.14	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery =	98.28%		
86) 4-Bromofluorobenzene	6.229	174	76747	49.79	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	99.58%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.019	85	38800	27.47	ug/L	99
3) Chloromethane	1.127	50	33039	25.56	ug/L	98
4) 1,3-butadiene	1.180	39	32398	27.82	ug/L	91
5) Vinyl Chloride	1.165	62	34642	24.33	ug/L	99
6) Bromomethane	1.342	94	18470	24.14	ug/L	99
7) Chloroethane	1.411	64	21590	22.28	ug/L	99
8) Trichlorofluoromethane	1.488	101	48437	22.34	ug/L	100
9) Ethyl Ether	1.650	59	22865	25.39	ug/L	98
10) Ethanol	1.696	45	4636m	673.39	ug/L	
11) 1,2-Dichlorotrifluoroe...	1.742	67	37028	24.75	ug/L	98
12) 1,1-Dichloroethene	1.758	61	53099	29.62	ug/L	97
13) Freon 113	1.781	101	31561	26.46	ug/L	99
14) Carbon Disulfide	1.773	76	88639	24.54	ug/L	92
15) Iodomethane	1.827	142	20886	27.03	ug/L	99
16) Acrolein	1.904	56	17621	135.83	ug/L	98
17) Allyl chloride	1.988	41	48822	29.72	ug/L	97
18) Methylene Chloride	2.042	49	46848	28.51	ug/L	96
19) Acetone	2.042	43	32821	147.25	ug/L	96
20) Methyl acetate	2.119	43	84769	138.76	ug/L	98
21) trans-1,2-Dichloroethene	2.135	61	51463	28.90	ug/L	99
22) Hexane	2.189	56	29286	26.37	ug/L	97
23) Methyl Tert Butyl Ether	2.189	73	72040	26.38	ug/L	97
24) Acetonitrile	2.266	41	26688	297.98	ug/L	96
25) Tert Butyl Alcohol	2.204	59	17127	284.28	ug/L	93
26) Di-isopropyl ether	2.389	45	93236	25.93	ug/L	98
27) Chloroprene	2.435	53	100239	29.45	ug/L	99
28) 1,1-Dichloroethane	2.435	63	64177	27.83	ug/L	98
29) Acrylonitrile	2.435	52	50596	141.95	ug/L	100
30) ETBE	2.573	59	89388	26.93	ug/L	99
31) Vinyl acetate	2.558	43	325411	162.27	ug/L	98
32) cis-1,2-Dichloroethene	2.712	96	36322	26.83	ug/L	98
33) 2,2-Dichloropropane	2.781	77	51062	30.34	ug/L	98
34) Bromochloromethane	2.820	128	16311	24.31	ug/L	95
35) Cyclohexane	2.858	56	56178	26.30	ug/L	98
36) Chloroform	2.858	83	64884	27.18	ug/L	98
37) Ethyl acetate	2.912	43	116428	145.86	ug/L	98
38) Tetrahydrofuran	2.943	42	5654	23.45	ug/L	95
40) Carbon Tetrachloride	2.958	117	50668m	28.24	ug/L	
41) 1,1,1-Trichloroethane	2.981	97	57312	29.28	ug/L	98
42) 2-Butanone	2.997	43	48976	142.69	ug/L	98
43) 1,1-Dichloropropene	3.051	75	48580	31.13	ug/L	96
44) tert-Butyl formate	3.089	59	117295	194.22	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100124\
Data File : 1A59593.D
Acq On : 1 Oct 2024 7:07 am
Operator : jeniferw
Sample : BS Inst : MSVOA17-1A_2A
Misc : MS57600,V1A3062,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 01 07:21:02 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Propionitrile	3.135	54	33334	311.21	ug/L		99
46) Methacrylonitrile	3.158	41	163664	311.06	ug/L		98
47) Benzene	3.174	78	137783	27.67	ug/L		94
48) TAME	3.243	73	69076	25.75	ug/L		94
50) 1,2-Dichloroethane	3.266	62	47931	28.59	ug/L		97
51) Isobutyl Alcohol	3.251	43	40825	595.69	ug/L		85
52) Tert Amyl Alcohol	3.320	59	13309	310.22	ug/L		98
53) Trichloroethene	3.505	95	38934	27.79	ug/L		94
54) Methylcyclohexane	3.528	83	53460	25.64	ug/L		97
55) Dibromomethane	3.728	93	20448	26.46	ug/L		98
56) 1,2-Dichloropropane	3.789	63	35283	26.88	ug/L		93
57) Bromodichloromethane	3.828	83	45214	27.35	ug/L		96
58) Methyl methacrylate	3.913	41	22523	32.58	ug/L		93
59) 1,4-Dioxane	3.936	88	3423	614.96	ug/L		87
60) 2-Chloroethyl vinyl ether	4.159	63	73793	160.15	ug/L		94
61) cis-1,3-Dichloropropene	4.205	75	50918	27.83	ug/L		95
64) Toluene	4.367	91	144580	26.65	ug/L		99
65) 2-Nitropropane	4.459	41	33384	142.78	ug/L		100
66) 4-Methyl-2-pentanone	4.574	43	117893	140.10	ug/L		98
67) trans-1,3-Dichloropropene	4.605	75	42303	23.80	ug/L		95
68) Tetrachloroethene	4.628	166	39118	25.56	ug/L		98
69) Ethyl methacrylate	4.721	69	32829	27.64	ug/L		93
70) 1,1,2-Trichloroethane	4.713	83	21908	26.64	ug/L		93
71) Dibromochloromethane	4.836	129	32492	29.10	ug/L		97
72) 1,3-Dichloropropane	4.890	76	45771	27.78	ug/L		93
73) 1,2-Dibromoethane	4.990	107	26167	27.49	ug/L		96
74) 3,3-Dimethyl-1-Butanol	5.121	57	106394	1592.34	ug/L		98
75) 2-hexanone	5.136	43	100905	146.69	ug/L		91
76) 1-Chlorohexane	5.360	91	48580m	25.93	ug/L		
77) Ethylbenzene	5.390	91	153750m	25.31	ug/L		
78) Chlorobenzene	5.360	112	89036	25.58	ug/L		97
79) 1,1,1,2-Tetrachloroethane	5.406	131	31906	28.84	ug/L		97
80) m,p-Xylene	5.490	91	246620	53.37	ug/L		99
81) o-Xylene	5.798	91	121630	26.07	ug/L		98
82) Styrene	5.829	104	89635	27.00	ug/L		97
83) Bromoform	5.837	173	17831	28.51	ug/L		96
84) Isopropylbenzene	6.037	105	142788	26.52	ug/L		99
87) cis-1,4-Dichloro-2-butene	6.260	53	9762	34.35	ug/L		93
88) n-Propylbenzene	6.345	91	176373	25.97	ug/L		98
89) Bromobenzene	6.298	156	35494	25.46	ug/L		85
90) 1,1,2,2-Tetrachloroethane	6.368	83	27484	27.68	ug/L		96
91) 1,3,5-Trimethylbenzene	6.499	105	117512	27.67	ug/L		99
92) 2-Chlorotoluene	6.452	91	98770	26.26	ug/L		99
93) trans-1,4-Dichloro-2-B...	6.499	53	12076	31.35	ug/L		96
94) 1,2,3-Trichloropropane	6.460	110	8008	28.26	ug/L		89
95) Cyclohexanone	6.475	55	7368	347.24	ug/L		94
96) 4-Chlorotoluene	6.576	91	103230	26.67	ug/L		97
97) tert-Butylbenzene	6.745	91	67608	26.40	ug/L		96
98) 1,2,4-Trimethylbenzene	6.799	105	109017	27.18	ug/L		96
99) Pentachloroethane	6.745	167	20772	33.26	ug/L	#	65
100) sec-Butylbenzene	6.883	105	137183	25.21	ug/L		98
101) 4-Isopropyltoluene	7.007	119	113616	25.88	ug/L		98
102) 1,3-Dichlorobenzene	7.030	146	62141	25.28	ug/L		96
103) 1,2,3-Trimethylbenzene	7.137	105	103195	25.54	ug/L		99
104) 1,4-Dichlorobenzene	7.099	146	62156	25.46	ug/L		94
105) n-Butylbenzene	7.337	92	55870	25.28	ug/L		94
106) Benzyl Chloride	7.291	126	8200	28.00	ug/L	#	92
107) 1,2-Dichlorobenzene	7.422	146	54446	25.54	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100124\
Data File : 1A59593.D
Acq On : 1 Oct 2024 7:07 am
Operator : jeniferw
Sample : BS Inst : MSVOA17-1A_2A
Misc : MS57600,V1A3062,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 01 07:21:02 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration

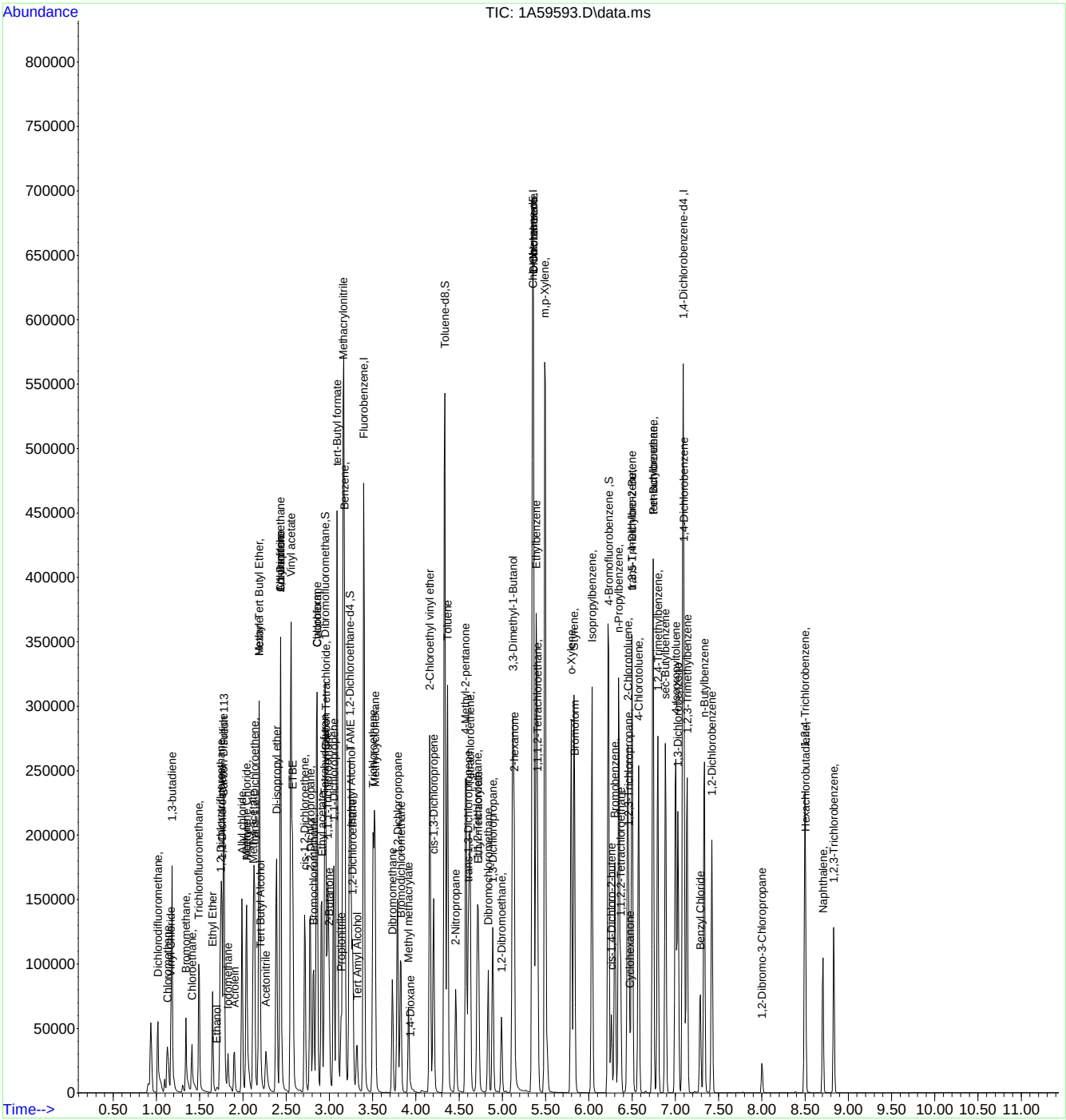
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) 1,2-Dibromo-3-Chloropr...	7.999	75	3830	30.03	ug/L	87
109) Hexachlorobutadiene	8.507	225	15768	27.58	ug/L	95
110) 1,2,4-Trichlorobenzene	8.500	180	28723	28.27	ug/L	95
111) Naphthalene	8.707	128	53614	30.18	ug/L	99
112) 1,2,3-Trichlorobenzene	8.831	180	24514	31.02	ug/L	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100124\
Data File : 1A59593.D
Acq On : 1 Oct 2024 7:07 am
Operator : jeniferw
Sample : BS Inst : MSVOA17-1A_2A
Misc : MS57600,V1A3062,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 01 07:21:02 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration



Manual Integration Approval Summary

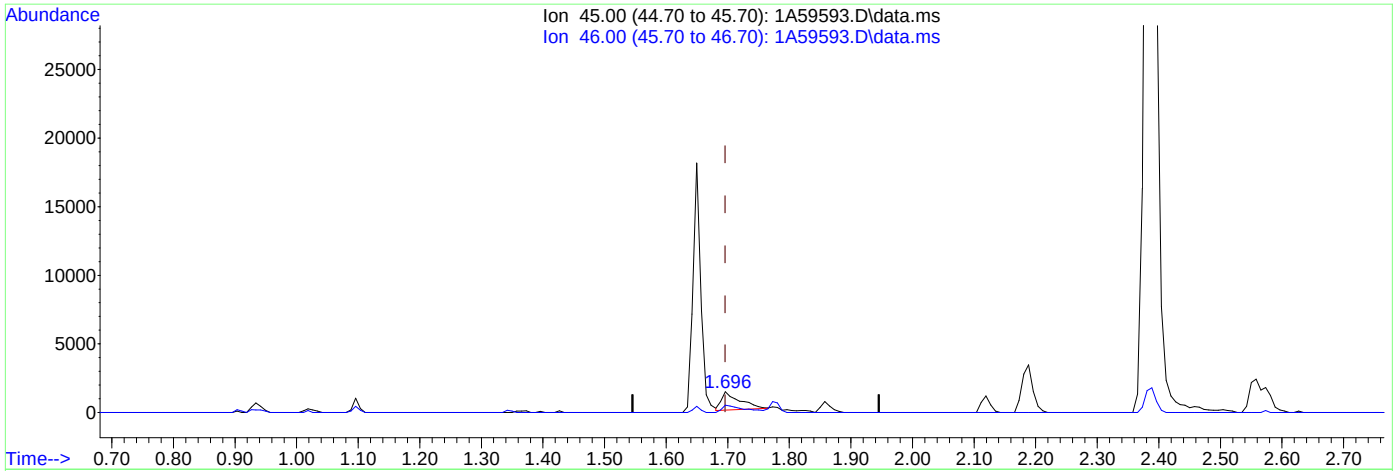
Sample Number: V1A3062-BS
Lab FileID: 1A59593.D
Injection Time: 10/01/24 07:07
Method: SW846 8260D
Analyst approved: 10/01/24 07:23 Jenifer Willis
Supervisor approved: 10/04/24 12:04 Karen Watson

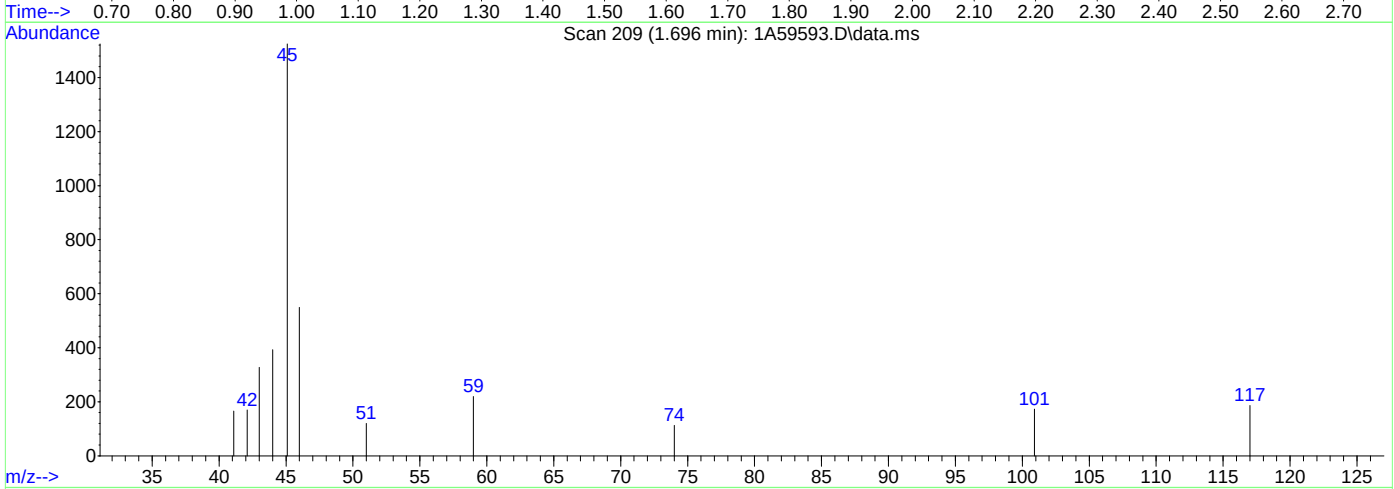
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		1.70	Poorly defined baseline
Carbon Tetrachloride	56-23-5		2.96	Overlapping peak
1-Chlorohexane	544-10-5		5.36	Overlapping peak
Ethylbenzene	100-41-4		5.39	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100124\
Data File : 1A59593.D
Acq On : 1 Oct 2024 7:07 am
Operator : jeniferw
Sample : BS Inst : MSVOA17-1A_2A
Misc : MS57600,V1A3062,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 01 07:20:27 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration





TIC: 1A59593.D\data.ms

(10) Ethanol

1.696min (+0.000) 409.03ug/L

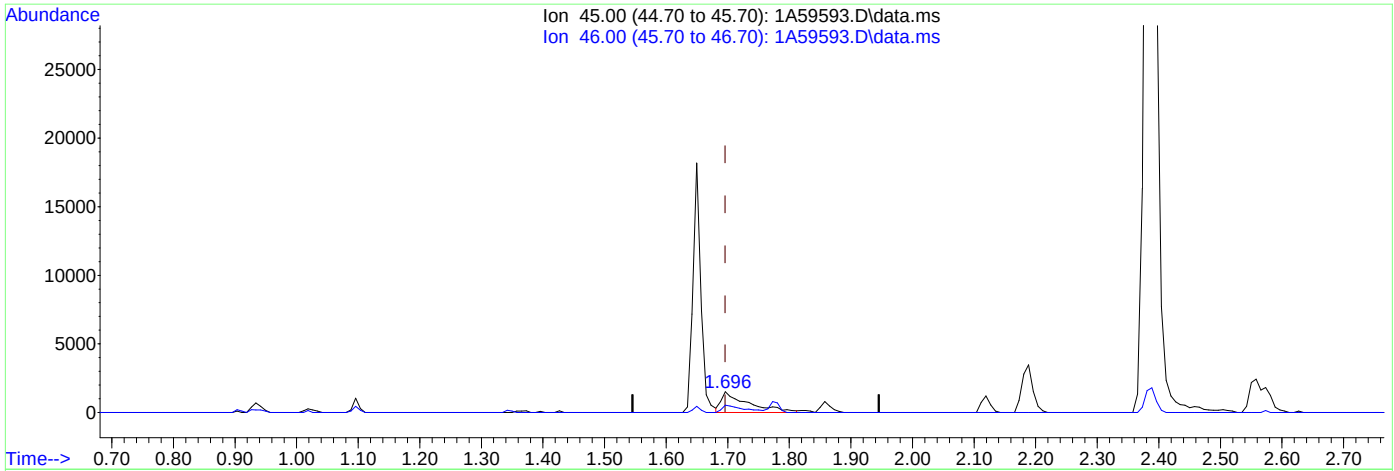
response 2804

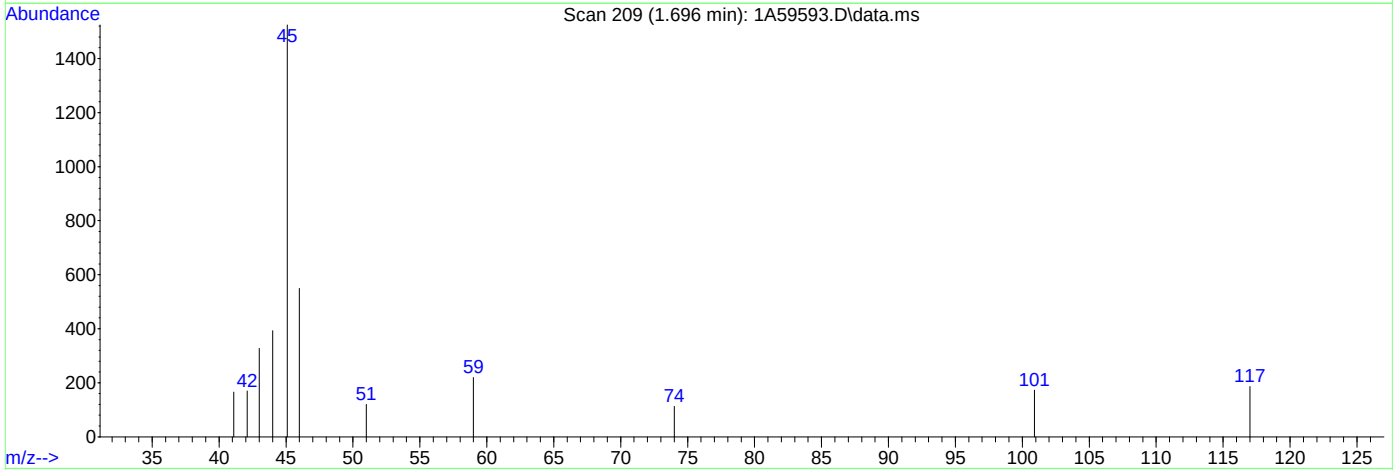
Ion	Exp%	Act%
45.00	100	100
46.00	35.50	45.19
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100124\
Data File : 1A59593.D
Acq On : 1 Oct 2024 7:07 am
Operator : jeniferw
Sample : BS Inst : MSVOA17-1A_2A
Misc : MS57600,V1A3062,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 01 07:20:27 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration





TIC: 1A59593.D\data.ms

(10) Ethanol

1.696min (+0.000) 673.39ug/L m

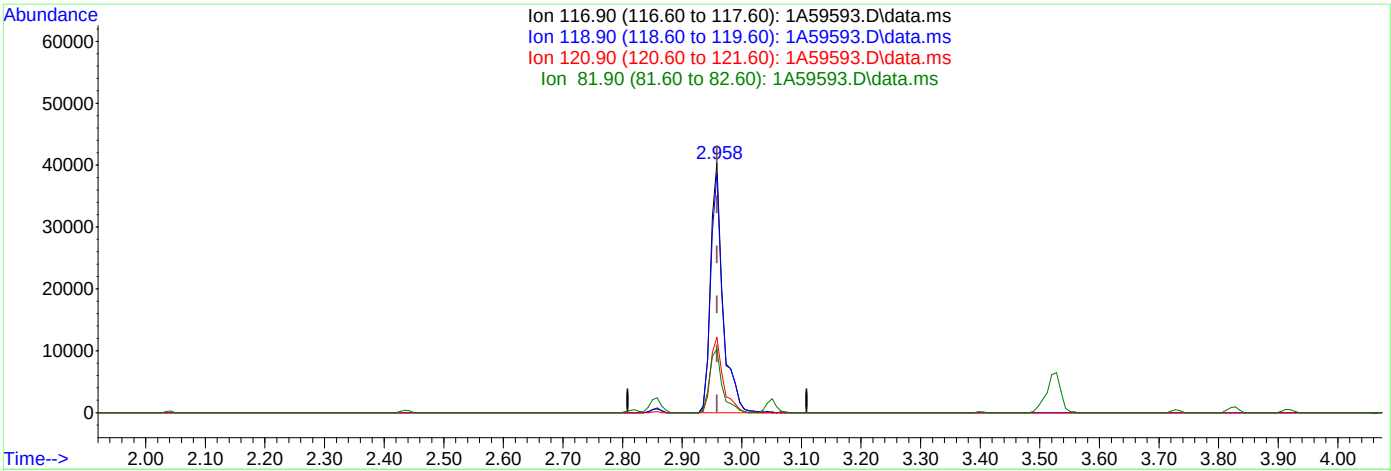
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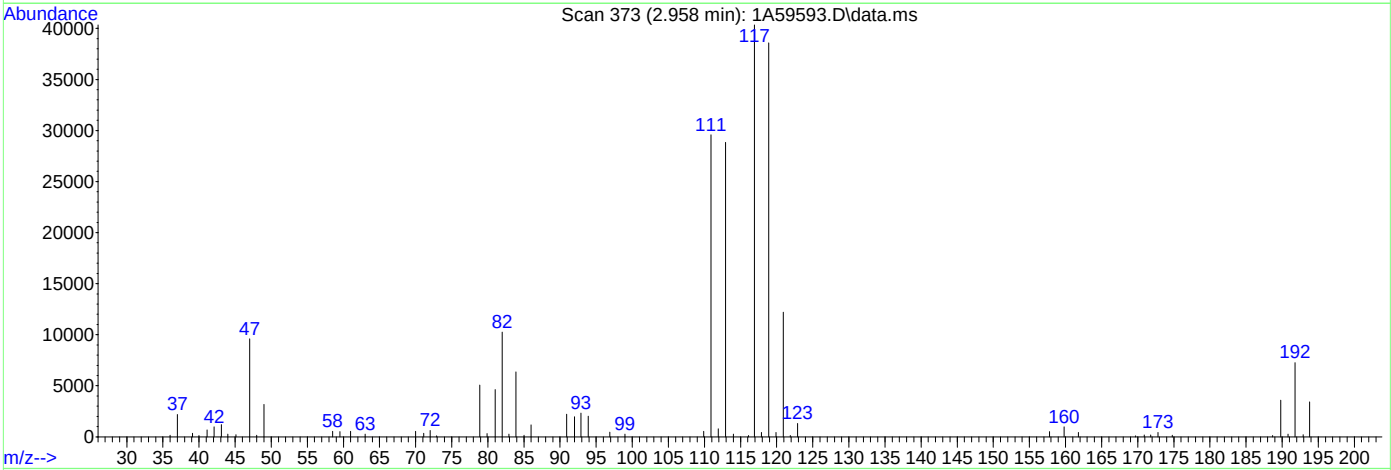
Ion	Exp%	Act%
45.00	100	100
46.00	35.50	36.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100124\
Data File : 1A59593.D
Acq On : 1 Oct 2024 7:07 am
Operator : jeniferw
Sample : BS Inst : MSVOA17-1A_2A
Misc : MS57600,V1A3062,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 01 07:20:27 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration





TIC: 1A59593.D\data.ms

(40) Carbon Tetrachloride ( )

2.958min (-0.000) 32.14ug/L

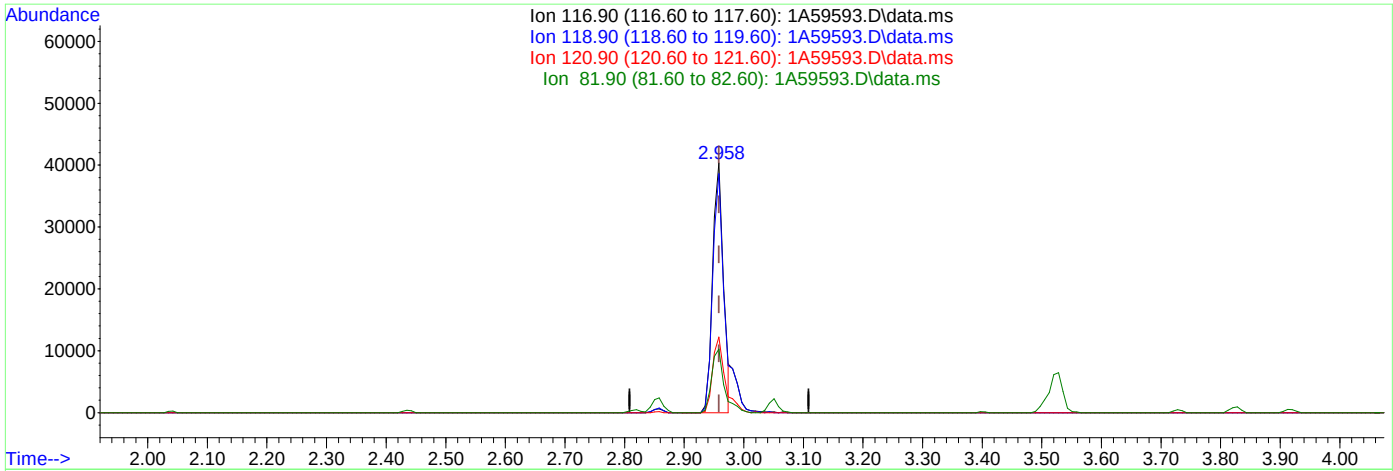
response 57664

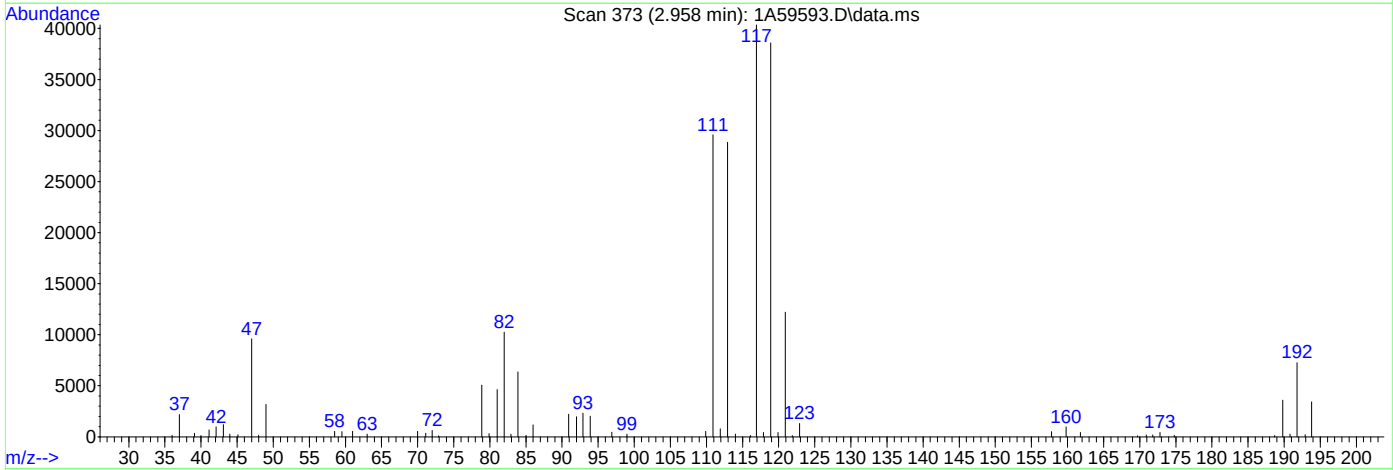
Ion	Exp%	Act%
116.90	100	100
118.90	97.80	95.64
120.90	30.90	30.27
81.90	25.10	25.39

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100124\
Data File : 1A59593.D
Acq On : 1 Oct 2024 7:07 am
Operator : jeniferw
Sample : BS Inst : MSVOA17-1A_2A
Misc : MS57600,V1A3062,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 01 07:20:27 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration





TIC: 1A59593.D\data.ms

(40) Carbon Tetrachloride ( )

2.958min (-0.000) 28.24ug/L m

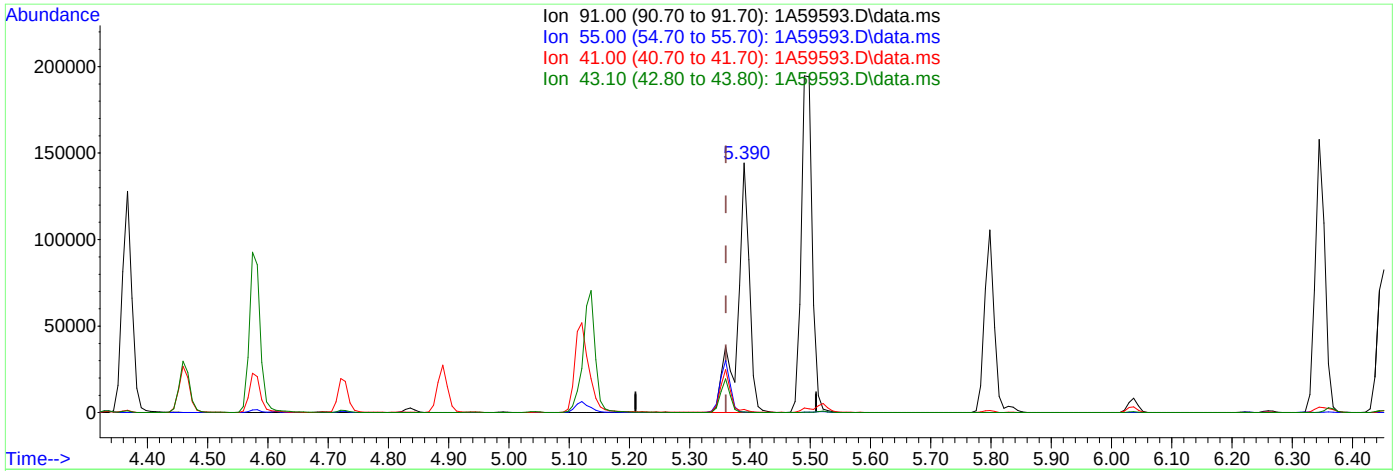
response 50668

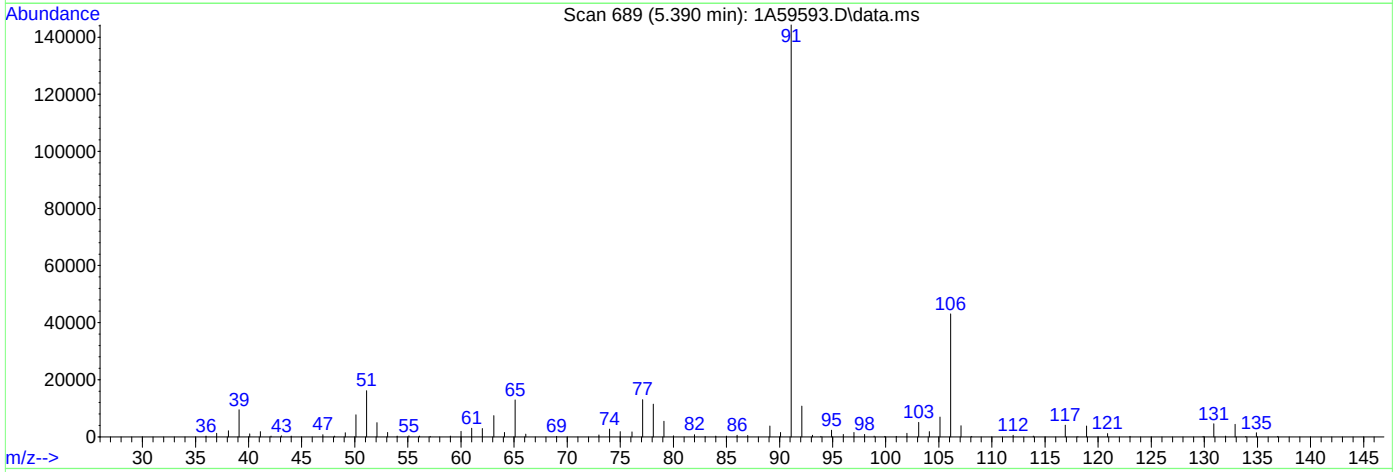
Ion	Exp%	Act%
116.90	100	100
118.90	97.80	95.64
120.90	30.90	30.27
81.90	25.10	25.39

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100124\
Data File : 1A59593.D
Acq On : 1 Oct 2024 7:07 am
Operator : jeniferw
Sample : BS Inst : MSVOA17-1A_2A
Misc : MS57600,V1A3062,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 01 07:20:27 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration





TIC: 1A59593.D\data.ms

(76) 1-Chlorohexane

5.390min (+0.030) 108.03ug/L

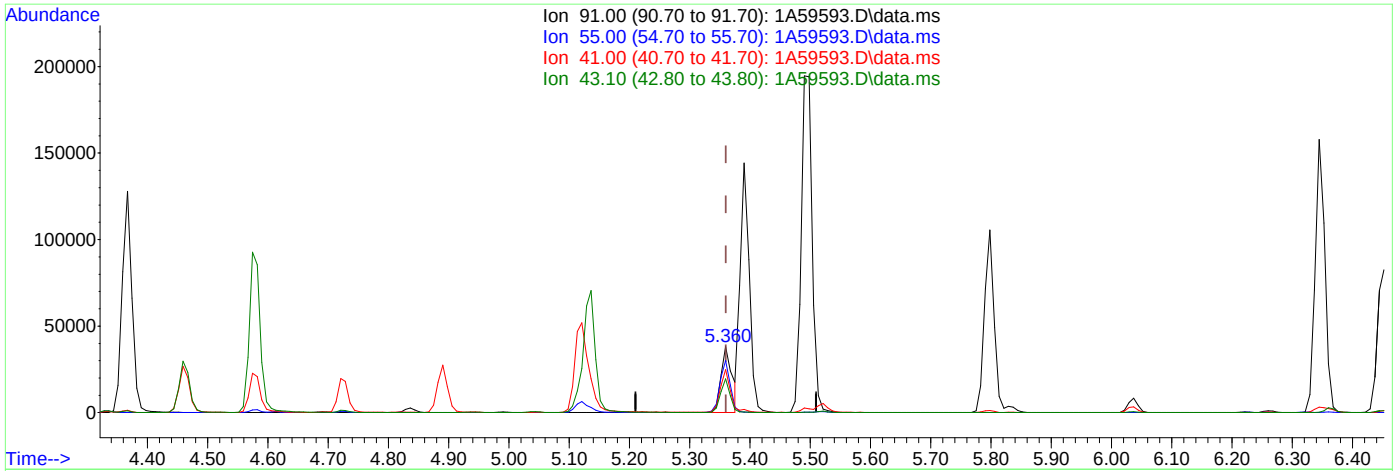
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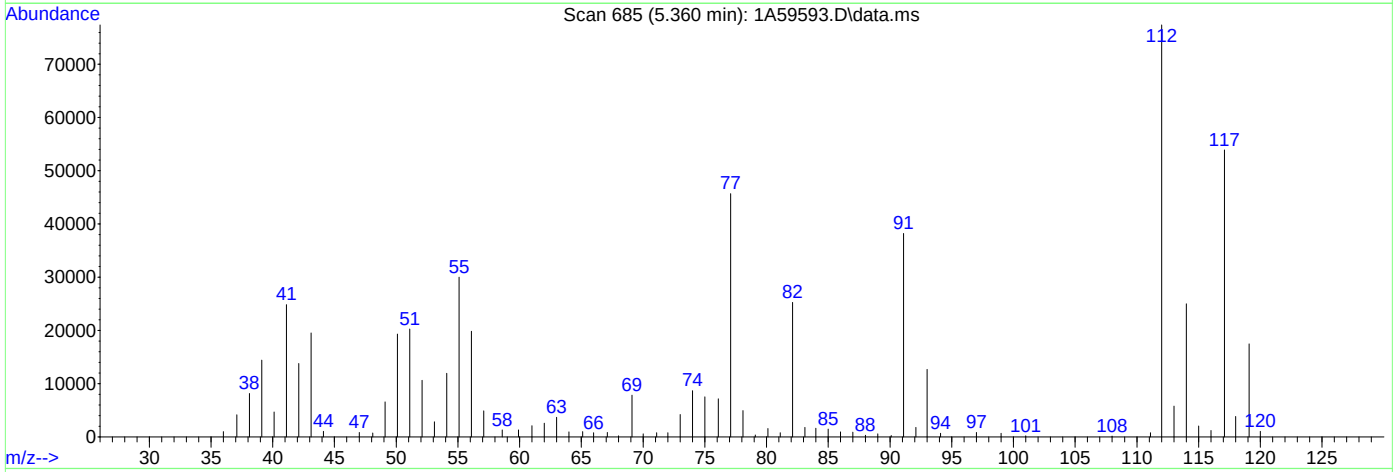
Ion	Exp%	Act%
91.00	100	100
55.00	69.60	0.21#
41.00	56.40	1.12#
43.10	42.00	0.27#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100124\
Data File : 1A59593.D
Acq On : 1 Oct 2024 7:07 am
Operator : jeniferw
Sample : BS Inst : MSVOA17-1A_2A
Misc : MS57600,V1A3062,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 01 07:20:27 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration





TIC: 1A59593.D\data.ms

(76) 1-Chlorohexane

5.360min (-0.000) 25.93ug/L m

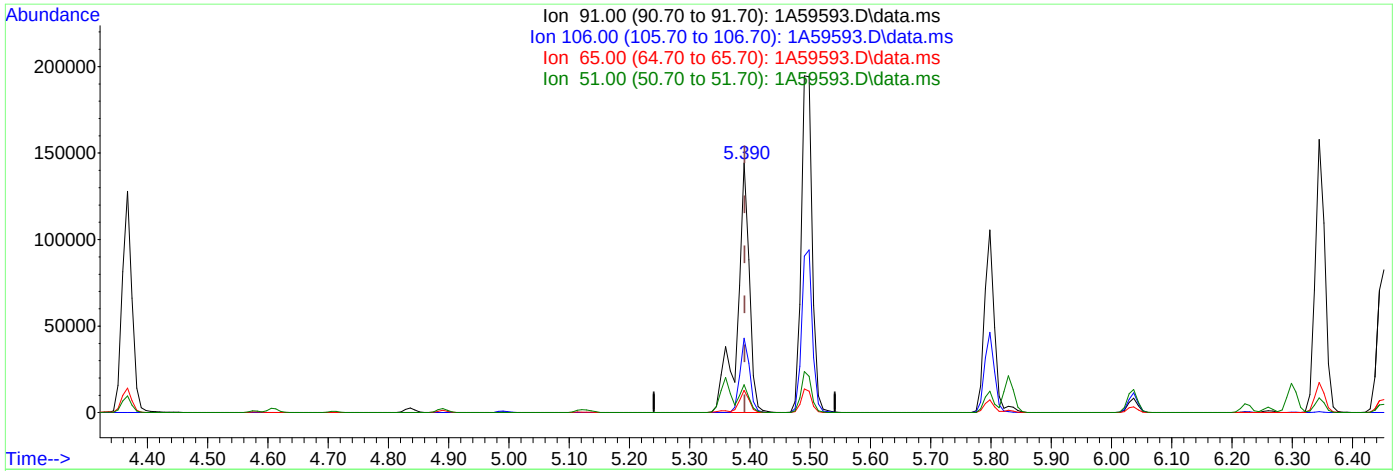
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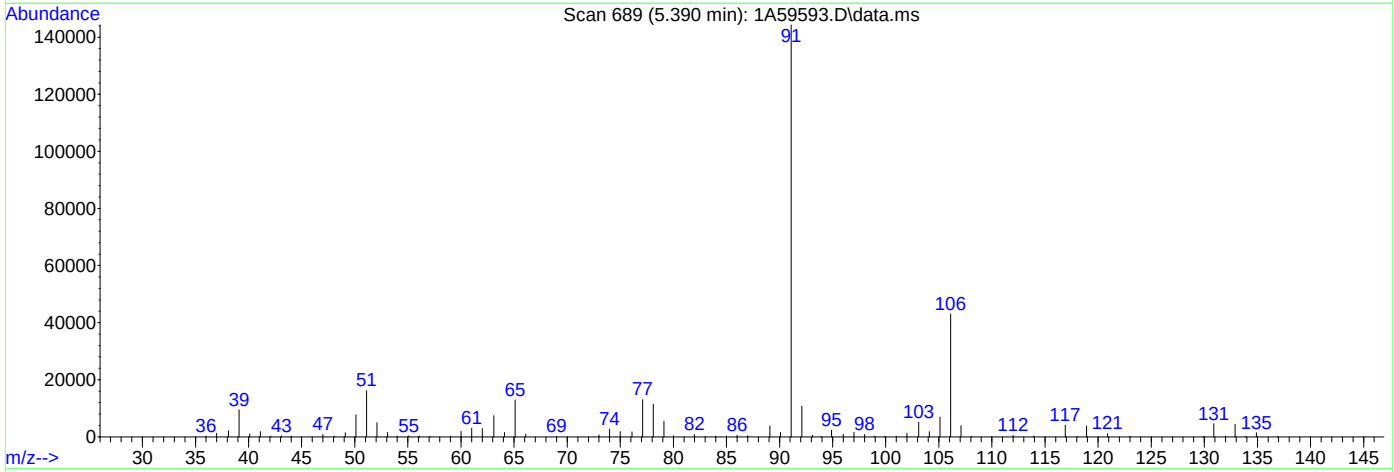
Ion	Exp%	Act%
91.00	100	100
55.00	69.60	78.48
41.00	56.40	64.96
43.10	42.00	51.06

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100124\
Data File : 1A59593.D
Acq On : 1 Oct 2024 7:07 am
Operator : jeniferw
Sample : BS Inst : MSVOA17-1A_2A
Misc : MS57600,V1A3062,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 01 07:20:27 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration





TIC: 1A59593.D\data.ms

(77) Ethylbenzene

5.390min (-0.001) 33.32ug/L

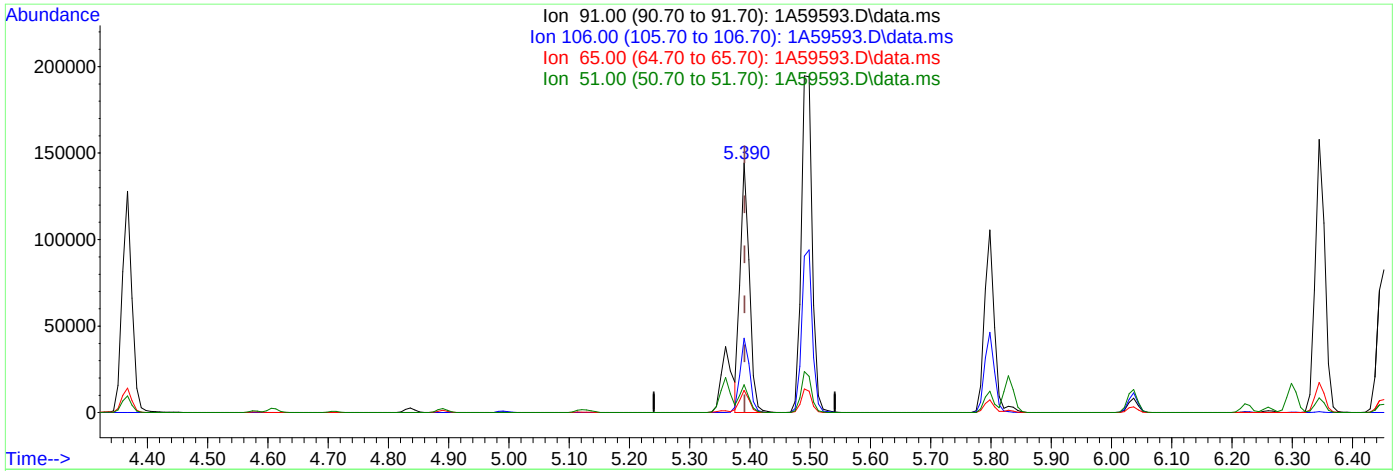
response 202409

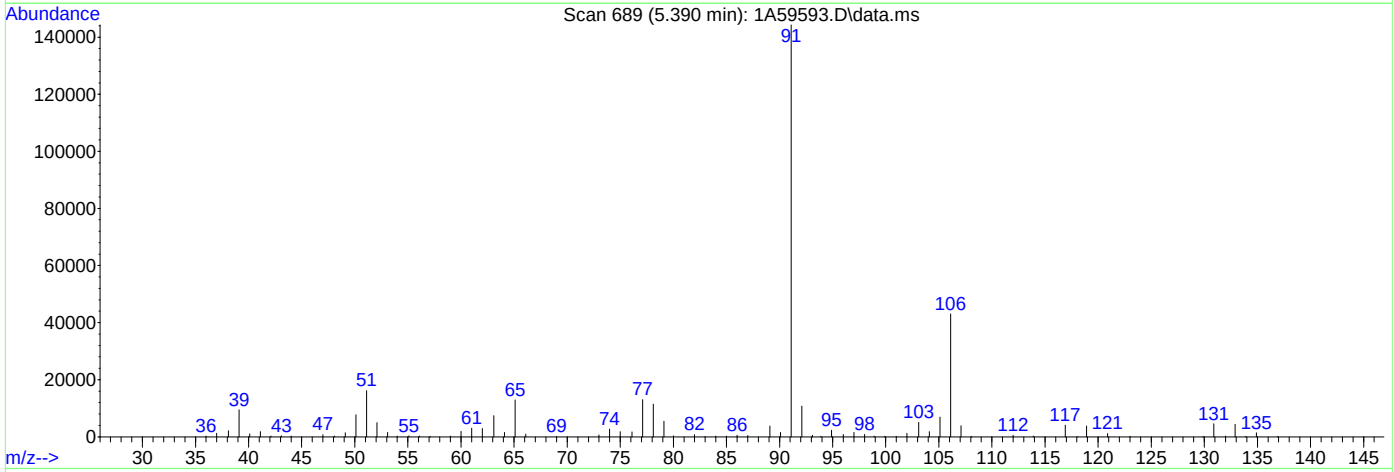
Ion	Exp%	Act%
91.00	100	100
106.00	30.40	29.84
65.00	8.50	8.97
51.00	10.30	11.18

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100124\
Data File : 1A59593.D
Acq On : 1 Oct 2024 7:07 am
Operator : jeniferw
Sample : BS Inst : MSVOA17-1A_2A
Misc : MS57600,V1A3062,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 01 07:20:27 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration





TIC: 1A59593.D\data.ms

(77) Ethylbenzene

5.390min (-0.001) 25.31ug/L m

response 153750

Ion	Exp%	Act%
91.00	100	100
106.00	30.40	29.84
65.00	8.50	8.97
51.00	10.30	11.18

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
10/04/24 12:04

Quantitation Report (QT Reviewed)

Data Path : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\
Data File : 1A59619.d
Acq On : 1 Oct 2024 5:36 pm
Operator : jeniferw
Sample : FC19116-7MS Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Oct 02 01:31:49 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\method\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.397	96	244573	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.352	117	172862	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.091	152	90154	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	2.950	113	69345	49.71	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.42%			
49) 1,2-Dichloroethane-d4	3.228	65	80140	52.23	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 104.46%			
63) Toluene-d8	4.336	98	238489	49.00	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 98.00%			
86) 4-Bromofluorobenzene	6.229	174	74014	49.89	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.78%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.011	85	37856	27.8800	ug/L	99
3) Chloromethane	1.119	50	33664	27.0983	ug/L	96
4) 1,3-butadiene	1.180	39	30964	27.6603	ug/L	94
5) Vinyl Chloride	1.165	62	34664	25.3316	ug/L	98
6) Bromomethane	1.342	94	18186	24.7317	ug/L	97
7) Chloroethane	1.411	64	20206	21.6946	ug/L	98
8) Trichlorofluoromethane	1.488	101	47237	22.6709	ug/L	99
9) Ethyl Ether	1.650	59	19633	22.6782	ug/L	96
10) Ethanol	1.696	45	3119m	472.8775	ug/L	
11) 1,2-Dichlorotrifluoroe...	1.734	67	36891	25.6553	ug/L	90
12) 1,1-Dichloroethene	1.750	61	50967	29.5804	ug/L	90
13) Freon 113	1.781	101	29686	25.8971	ug/L	99
14) Carbon Disulfide	1.773	76	83529	24.0619	ug/L	94
15) Iodomethane	1.827	142	23304	30.6947	ug/L	100
16) Acrolein	1.896	56	13771	110.4393	ug/L	98
17) Allyl chloride	1.988	41	44813	28.3862	ug/L	98
18) Methylene Chloride	2.035	49	43028	27.2430	ug/L	90
19) Acetone	2.042	43	23351	109.0006	ug/L	99
20) Methyl acetate	2.112	43	63132	107.5170	ug/L	95
21) trans-1,2-Dichloroethene	2.127	61	48142	28.1319	ug/L	91
22) Hexane	2.189	56	26927	25.2265	ug/L #	89
23) Methyl Tert Butyl Ether	2.181	73	60682	23.1154	ug/L #	67
24) Acetonitrile	2.266	41	21479	247.2161	ug/L	93
25) Tert Butyl Alcohol	2.196	59	14551	251.2877	ug/L #	1
26) Di-isopropyl ether	2.381	45	85328	24.6929	ug/L	97
27) Chloroprene	2.435	53	87711	26.8138	ug/L	98
28) 1,1-Dichloroethane	2.435	63	59823	26.9919	ug/L	99
29) Acrylonitrile	2.427	52	43349	126.5335	ug/L	92
30) ETBE	2.573	59	77736	24.3648	ug/L	99
31) Vinyl acetate	2.550	43	252845	131.1809	ug/L	99
32) cis-1,2-Dichloroethene	2.712	96	33823	25.9986	ug/L	98
33) 2,2-Dichloropropane	2.773	77	45229	27.9617	ug/L	97
34) Bromochloromethane	2.812	128	14605	22.6429	ug/L #	77
35) Cyclohexane	2.858	56	52863	25.7530	ug/L	99
36) Chloroform	2.850	83	61186	26.6667	ug/L	97
37) Ethyl acetate	2.904	43	84328	109.9156	ug/L	99
38) Tetrahydrofuran	2.943	42	4427	19.1051	ug/L	92
40) Carbon Tetrachloride	2.958	117	47830m	27.7345	ug/L	
41) 1,1,1-Trichloroethane	2.981	97	54220	28.8204	ug/L	96
42) 2-Butanone	2.997	43	34748	105.3279	ug/L	99
43) 1,1-Dichloropropene	3.051	75	45225	30.1536	ug/L	96
44) tert-Butyl formate	3.089	59	2350	4.4028	ug/L	91

Quantitation Report (QT Reviewed)

Data Path : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\
Data File : 1A59619.d
Acq On : 1 Oct 2024 5:36 pm
Operator : jeniferw
Sample : FC19116-7MS Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Oct 02 01:31:49 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\method\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Propionitrile	3.135	54	26566	258.0440	ug/L		98
46) Methacrylonitrile	3.158	41	130472	257.9983	ug/L		99
47) Benzene	3.174	78	128042	26.7489	ug/L		99
48) TAME	3.243	73	56337	21.8506	ug/L		93
50) 1,2-Dichloroethane	3.266	62	43714	27.1306	ug/L		97
51) Isobutyl Alcohol	3.243	43	30800	467.5752	ug/L		95
52) Tert Amyl Alcohol	3.312	59	7774	193.1792	ug/L		93
53) Trichloroethene	3.505	95	35616	26.4520	ug/L		95
54) Methylcyclohexane	3.528	83	49861	24.8815	ug/L		97
55) Dibromomethane	3.728	93	17879	24.0720	ug/L		98
56) 1,2-Dichloropropane	3.789	63	33271	26.3718	ug/L		96
57) Bromodichloromethane	3.820	83	42496	26.7403	ug/L		97
58) Methyl methacrylate	3.913	41	17375	26.1490	ug/L		93
59) 1,4-Dioxane	3.928	88	2337	436.8231	ug/L		87
61) cis-1,3-Dichloropropene	4.205	75	43137	24.5324	ug/L		95
64) Toluene	4.367	91	131417	25.2246	ug/L		99
65) 2-Nitropropane	4.459	41	24562	109.3761	ug/L		99
66) 4-Methyl-2-pentanone	4.574	43	88862	109.9514	ug/L		98
67) trans-1,3-Dichloropropene	4.605	75	35784	20.9593	ug/L		95
68) Tetrachloroethene	4.628	166	35321	24.0262	ug/L		97
69) Ethyl methacrylate	4.721	69	25819	22.6362	ug/L		91
70) 1,1,2-Trichloroethane	4.713	83	19193	24.3021	ug/L		95
71) Dibromochloromethane	4.836	129	27881	25.9975	ug/L		99
72) 1,3-Dichloropropane	4.890	76	39373	24.8801	ug/L		92
73) 1,2-Dibromoethane	4.990	107	22098	24.1709	ug/L		97
74) 3,3-Dimethyl-1-Butanol	5.121	57	66133	1080.6985	ug/L		97
75) 2-hexanone	5.136	43	70454	106.6405	ug/L		89
76) 1-Chlorohexane	5.359	91	43618m	24.2395	ug/L		
77) Ethylbenzene	5.390	91	140312m	24.0511	ug/L		
78) Chlorobenzene	5.359	112	80902	24.2051	ug/L		97
79) 1,1,1,2-Tetrachloroethane	5.406	131	28598	26.9150	ug/L		97
80) m,p-Xylene	5.498	91	222803	50.1982	ug/L		99
81) o-Xylene	5.798	91	109500	24.4400	ug/L		98
82) Styrene	5.829	104	78254	24.5409	ug/L		96
83) Bromoform	5.837	173	14281	23.7704	ug/L		94
84) Isopropylbenzene	6.037	105	129596	25.0596	ug/L		98
87) cis-1,4-Dichloro-2-butene	6.260	53	7192	26.2956	ug/L		98
88) n-Propylbenzene	6.345	91	161870	24.7619	ug/L		97
89) Bromobenzene	6.298	156	32077	23.9102	ug/L		87
90) 1,1,2,2-Tetrachloroethane	6.368	83	22587	23.6327	ug/L		98
91) 1,3,5-Trimethylbenzene	6.499	105	107218	26.2315	ug/L		95
92) 2-Chlorotoluene	6.452	91	88515	24.4513	ug/L		98
93) trans-1,4-Dichloro-2-B...	6.499	53	9360	25.2435	ug/L		96
94) 1,2,3-Trichloropropane	6.460	110	6413	23.5165	ug/L		89
95) Cyclohexanone	6.475	55	2226	109.0006	ug/L		93
96) 4-Chlorotoluene	6.575	91	93950	25.2240	ug/L		98
97) tert-Butylbenzene	6.745	91	63915	25.9349	ug/L		99
98) 1,2,4-Trimethylbenzene	6.799	105	101999	26.4218	ug/L		96
99) Pentachloroethane	6.745	167	18363	30.5541	ug/L	#	71
100) sec-Butylbenzene	6.883	105	128072	24.4555	ug/L		98
101) 4-Isopropyltoluene	7.006	119	107256	25.3814	ug/L		98
102) 1,3-Dichlorobenzene	7.030	146	56003	23.6705	ug/L		96
103) 1,2,3-Trimethylbenzene	7.137	105	93509	24.0421	ug/L		98
104) 1,4-Dichlorobenzene	7.099	146	56551	24.0691	ug/L		94
105) n-Butylbenzene	7.337	92	52543	24.7037	ug/L		97
106) Benzyl Chloride	7.291	126	5449	19.7624	ug/L		96
107) 1,2-Dichlorobenzene	7.422	146	47152	22.9816	ug/L		96
108) 1,2-Dibromo-3-Chloropr...	7.999	75	3013	24.5491	ug/L		81

Quantitation Report (QT Reviewed)

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Acq On : 1 Oct 2024 5:36 pm
Operator : jeniferw
Sample : FC19116-7MS Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Oct 02 01:31:49 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\method\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration

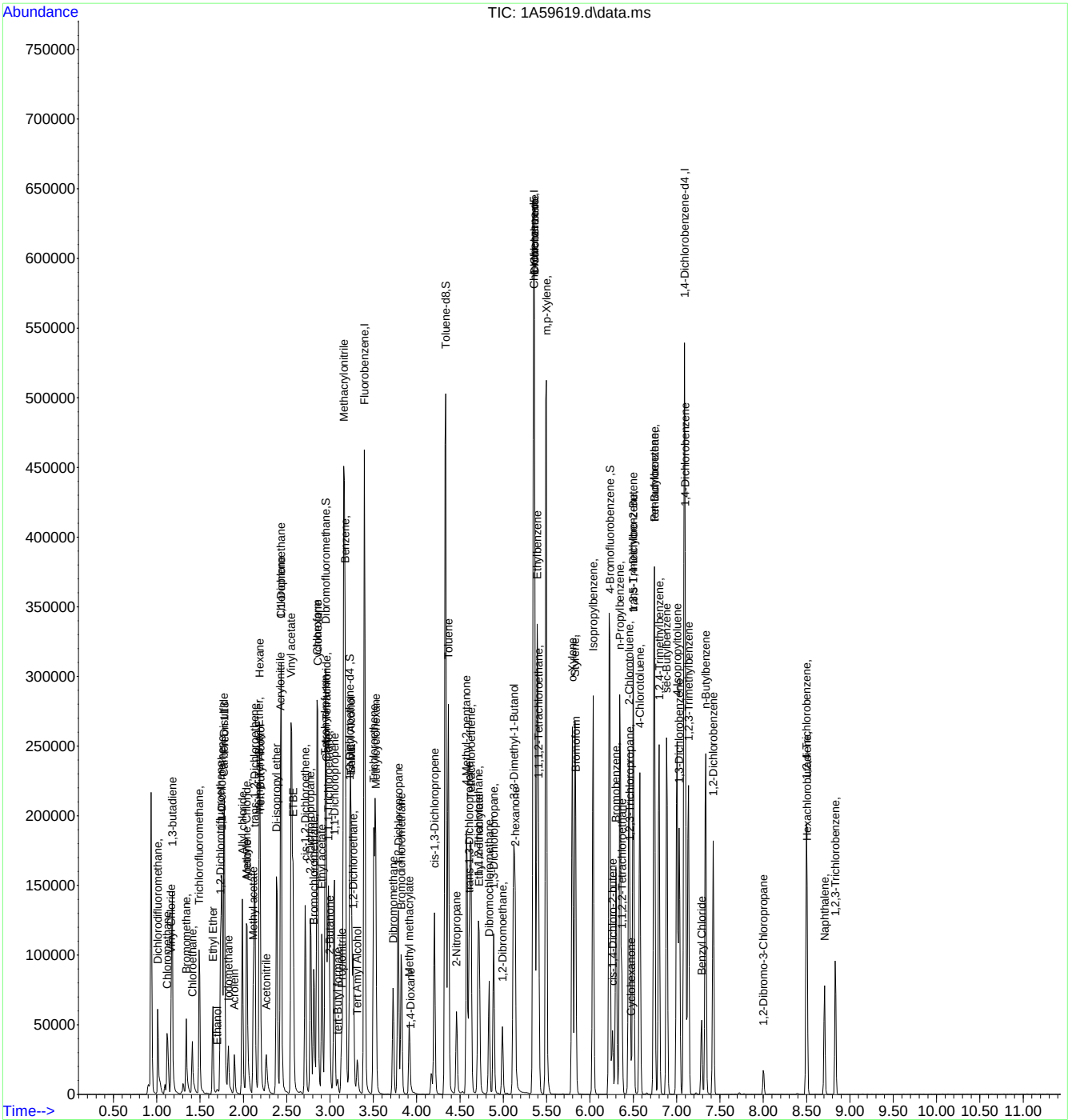
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
109) Hexachlorobutadiene	8.507	225	13220	24.0219	ug/L	93
110) 1,2,4-Trichlorobenzene	8.500	180	23588	24.1183	ug/L	93
111) Naphthalene	8.707	128	38183	22.8147	ug/L	99
112) 1,2,3-Trichlorobenzene	8.831	180	18474	24.2917	ug/L	98

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

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Manual Integration Approval Summary

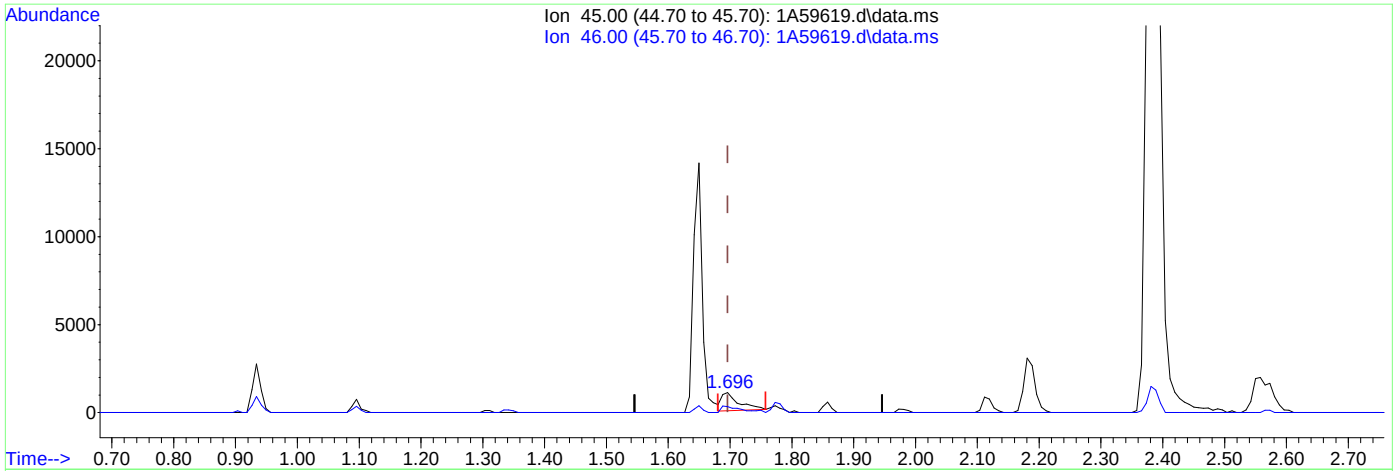
Sample Number: FC19116-7MS
Lab FileID: 1A59619.D
Injection Time: 10/01/24 17:36
Method: SW846 8260D
Analyst approved: 10/01/24 21:57 Jhenelle Bondal
Supervisor approved: 10/04/24 12:04 Karen Watson

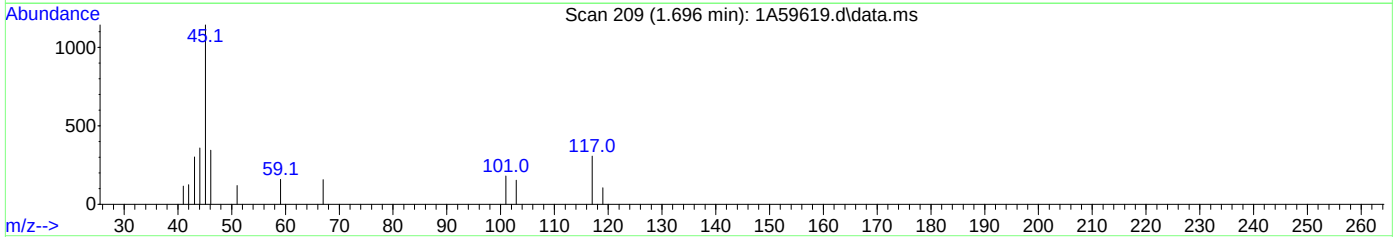
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		1.70	Poorly defined baseline
Carbon Tetrachloride	56-23-5		2.96	Overlapping peak
1-Chlorohexane	544-10-5		5.36	Overlapping peak
Ethylbenzene	100-41-4		5.39	Overlapping peak

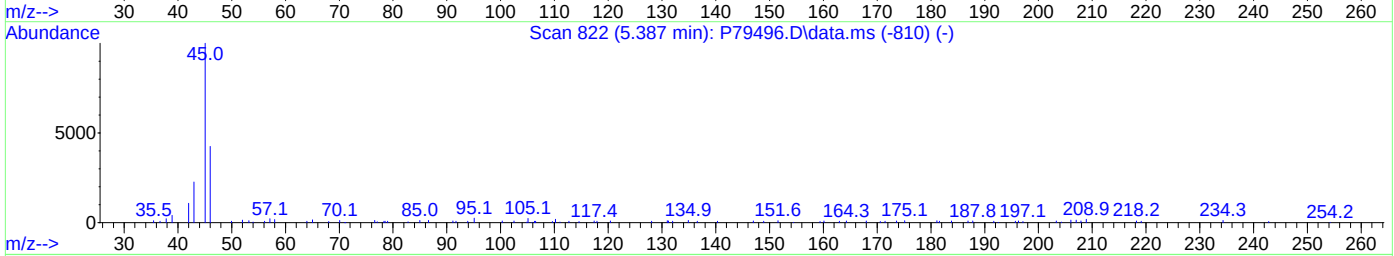
Quantitation Report (Qedit)

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Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration







TIC: 1A59619.d\data.ms

(10) Ethanol

1.696min (-0.000) 305.87ug/L

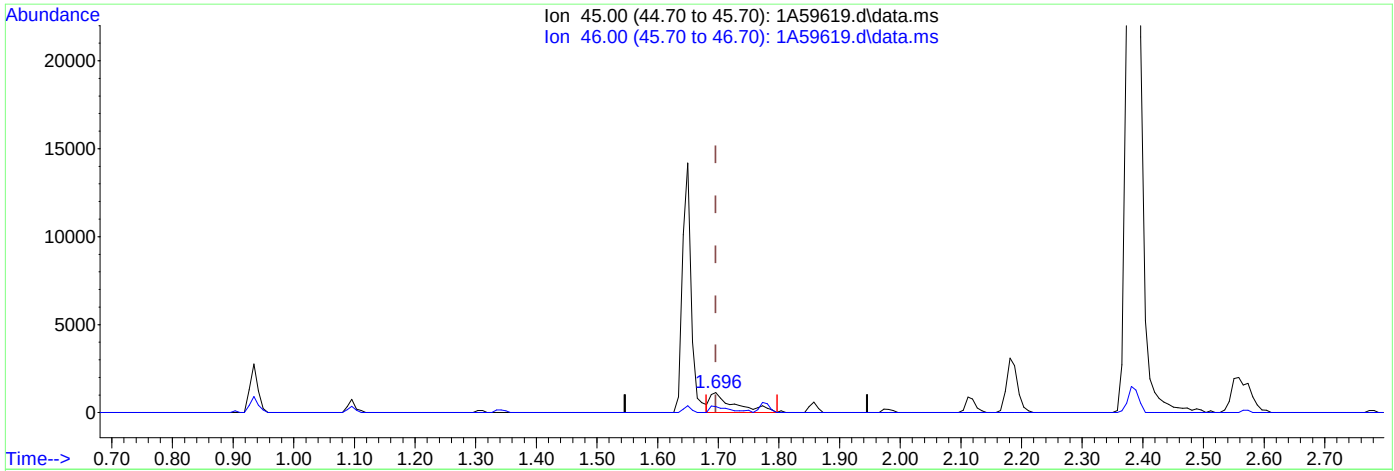
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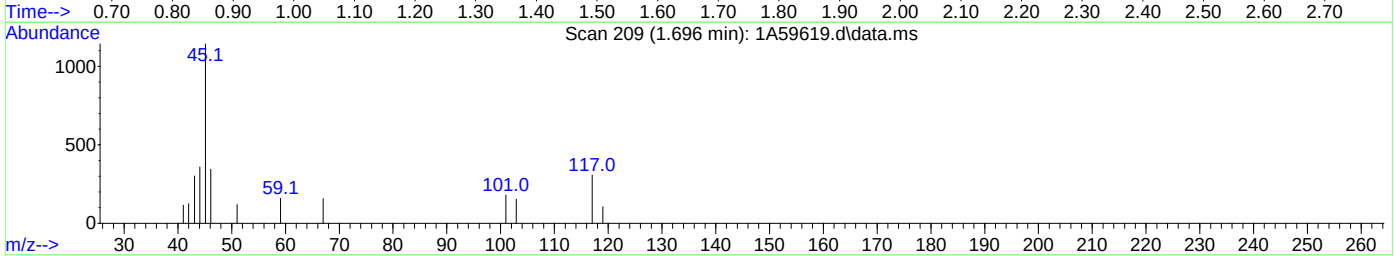
Ion	Exp%	Act%
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46.00	35.50	35.73
0.00	0.00	0.00
0.00	0.00	0.00

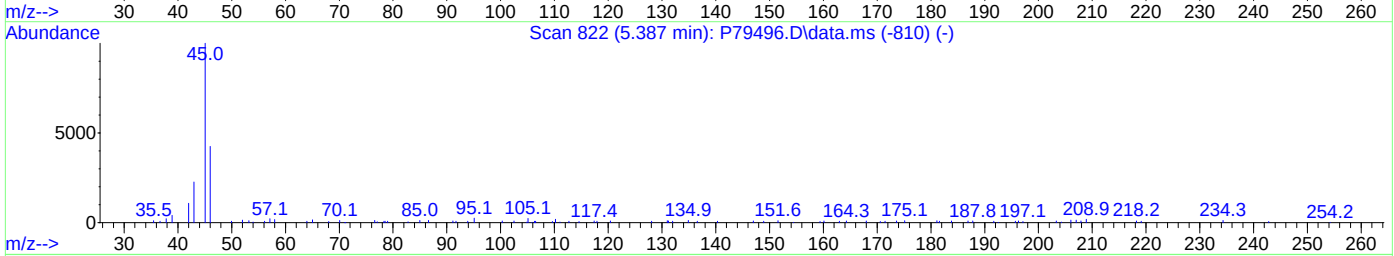
Quantitation Report (Qedit)

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Quant Title : SW-846 Method 5030/8260D & EPA 624.1
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Response via : Initial Calibration







TIC: 1A59619.d\data.ms

(10) Ethanol

1.696min (-0.000) 472.88ug/L m

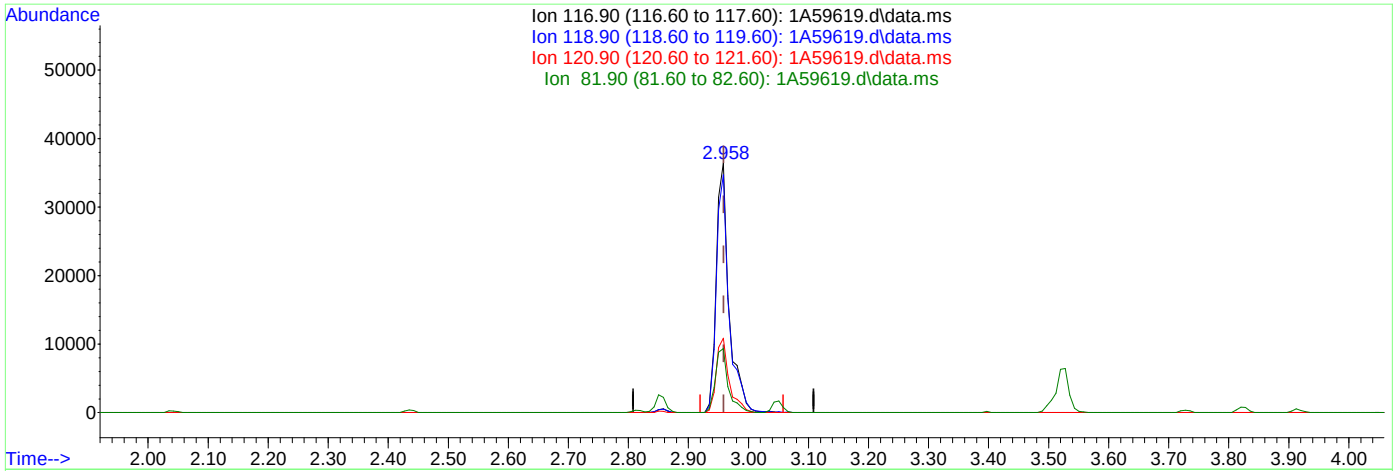
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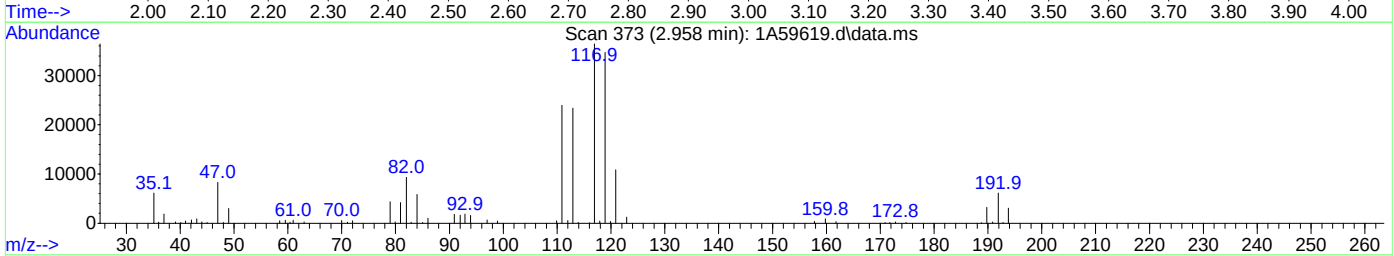
Ion	Exp%	Act%
45.00	100	100
46.00	35.50	30.01
0.00	0.00	0.00
0.00	0.00	0.00

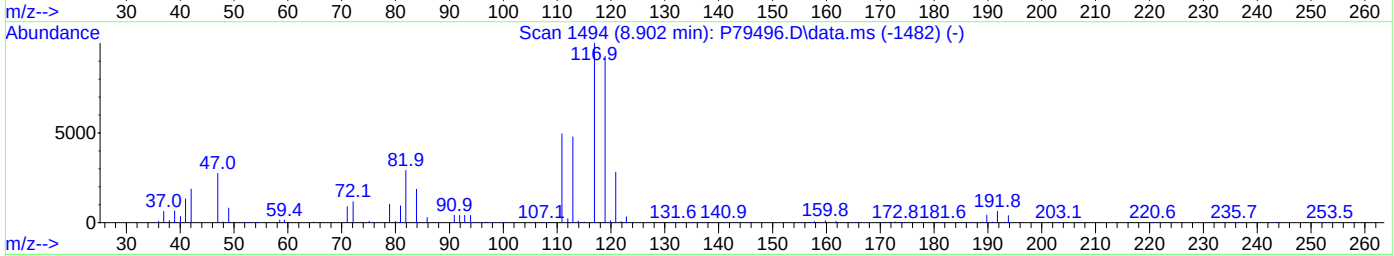
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TIC: 1A59619.d\data.ms

(40) Carbon Tetrachloride ( )

2.958min (-0.000) 31.36ug/L

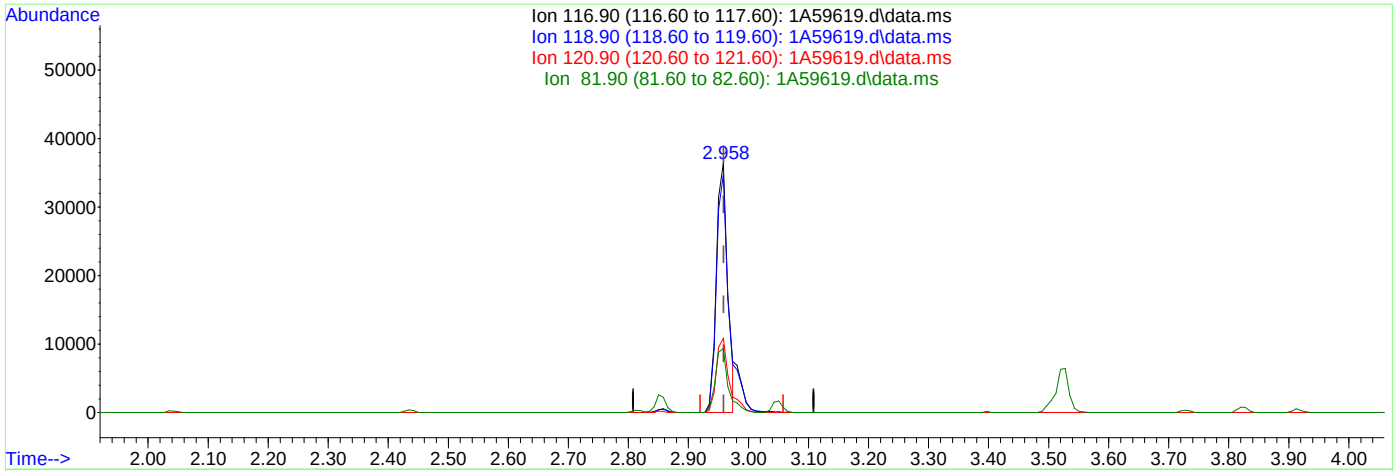
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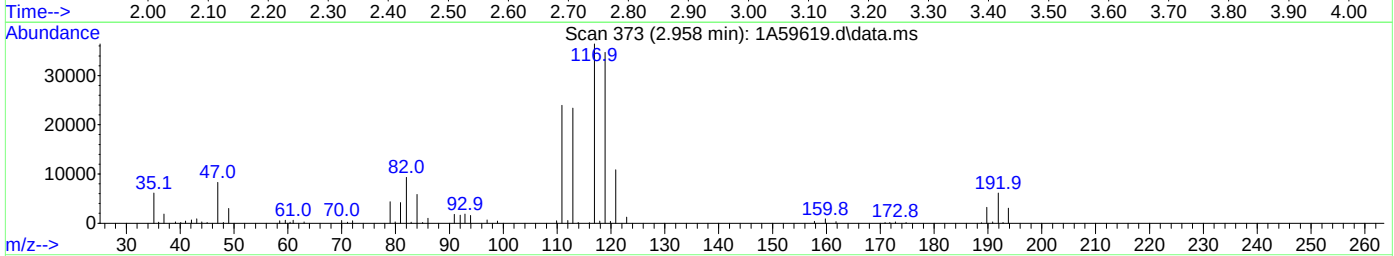
Ion	Exp%	Act%
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118.90	97.80	95.24
120.90	30.90	29.78
81.90	25.10	25.59

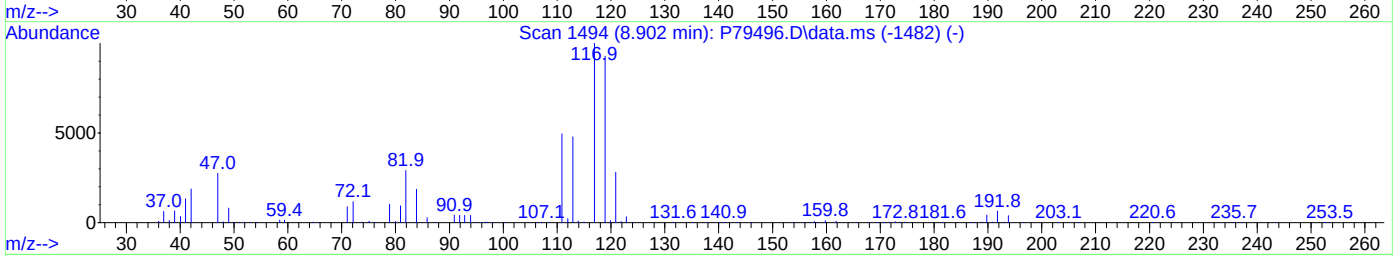
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Quant Time: Oct 02 01:26:49 2024
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Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration







TIC: 1A59619.d\data.ms

(40) Carbon Tetrachloride ( )

2.958min (-0.000) 27.73ug/L m

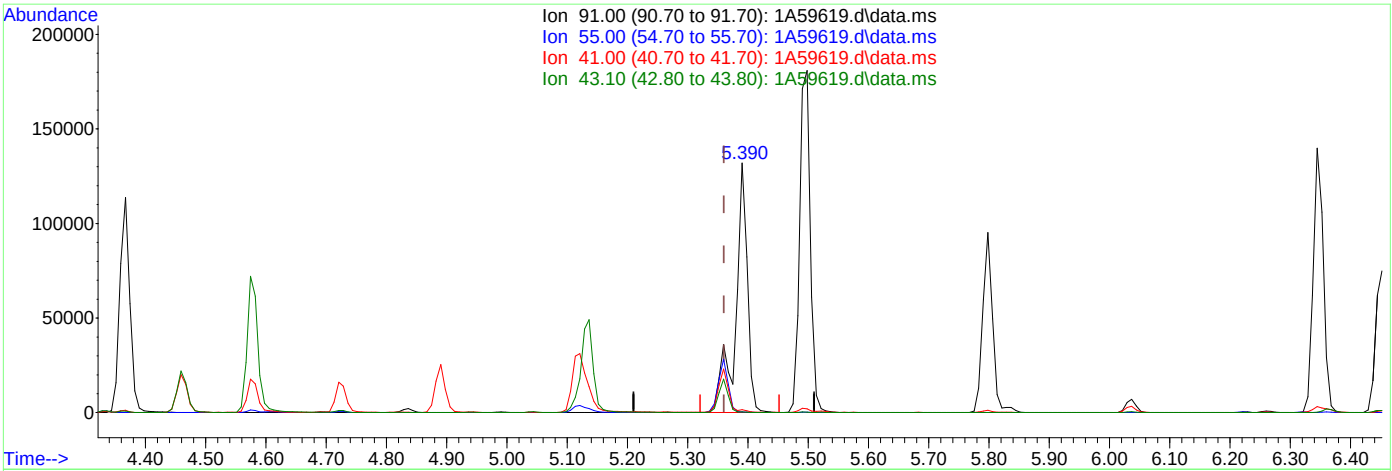
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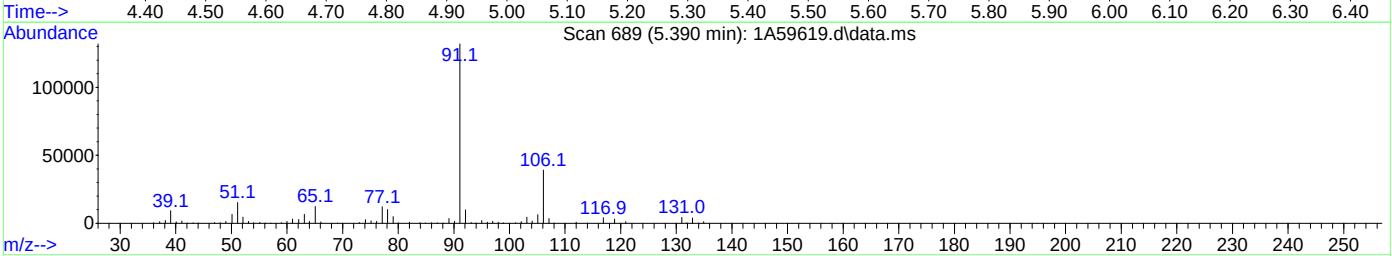
Ion	Exp%	Act%
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118.90	97.80	95.24
120.90	30.90	29.78
81.90	25.10	25.59

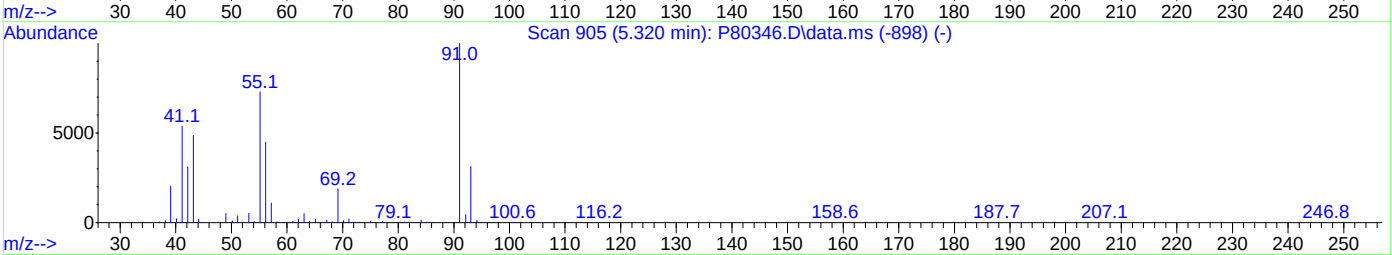
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ALS Vial : 29 Sample Multiplier: 1

Quant Time: Oct 02 01:26:49 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\method\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration







TIC: 1A59619.d\data.ms

(76) 1-Chlorohexane

5.390min (+0.030) 102.21ug/L

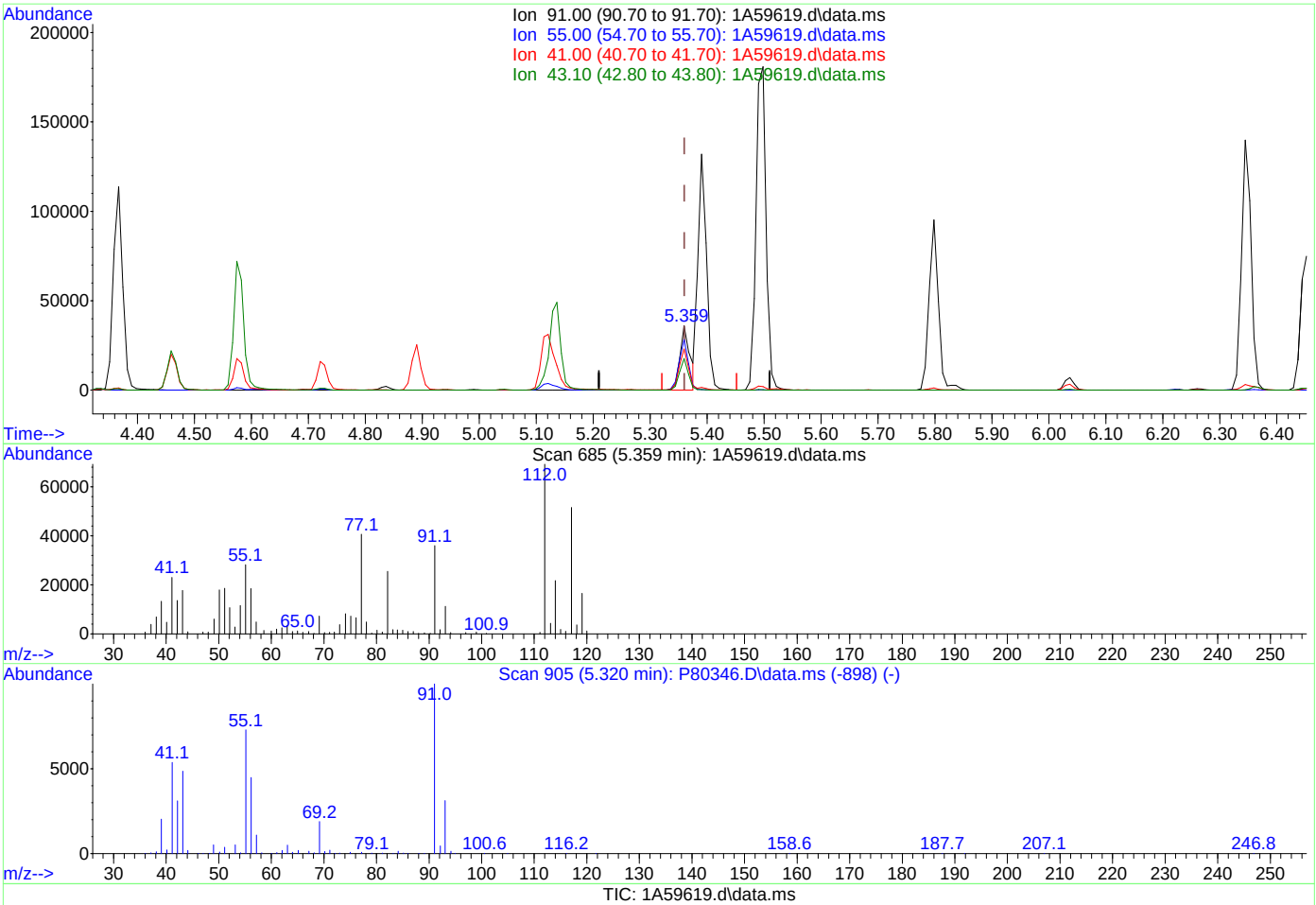
response 183915

Ion	Exp%	Act%
91.00	100	100
55.00	69.60	0.33#
41.00	56.40	1.18#
43.10	42.00	0.26#

Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\
Data File : 1A59619.d
Acq On : 1 Oct 2024 5:36 pm
Operator : jeniferw
Sample : FC19116-7MS Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Oct 02 01:26:49 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\method\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration



TIC: 1A59619.d\data.ms

(76) 1-Chlorohexane

5.359min (-0.001) 24.24ug/L m

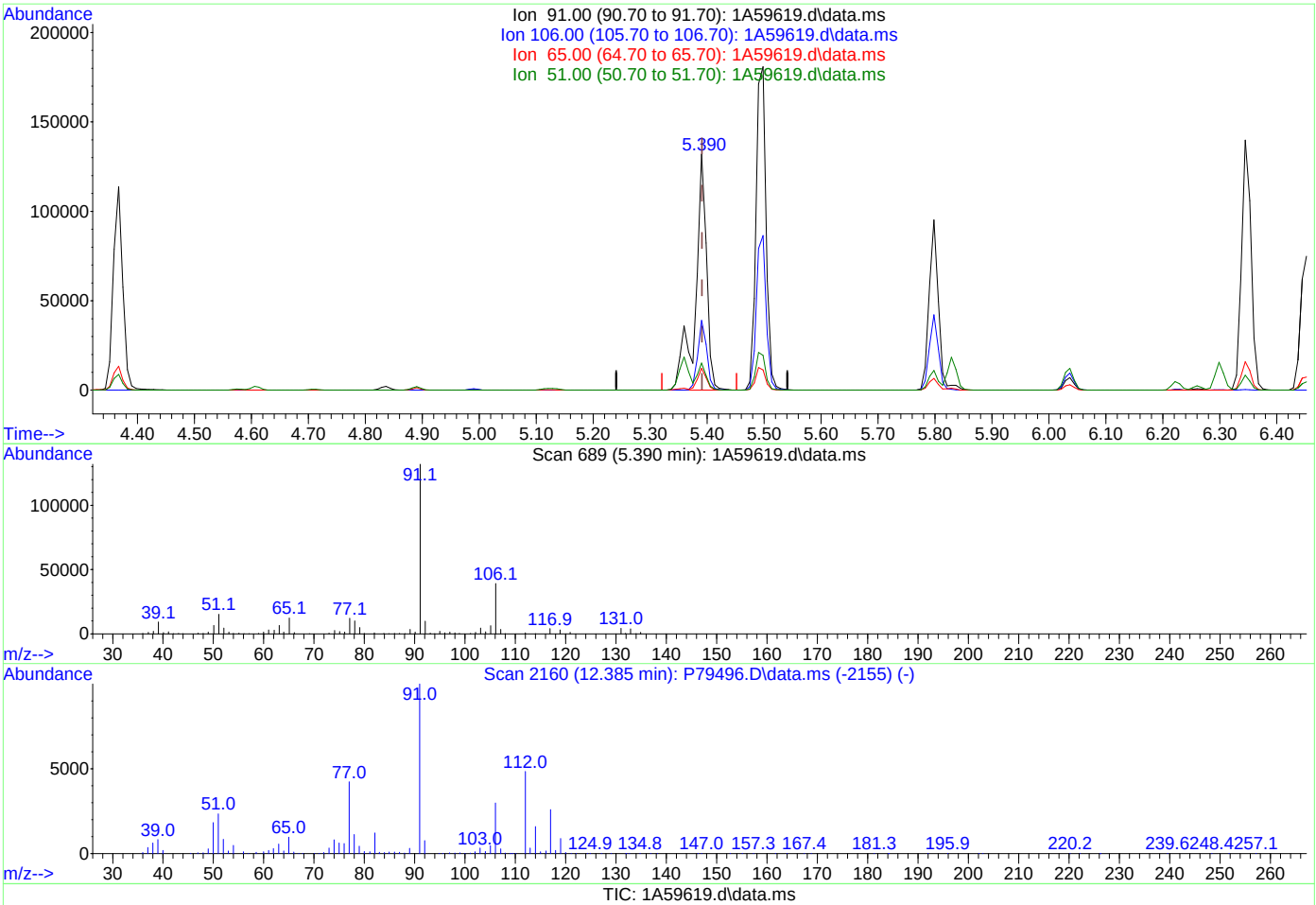
response 43618

Ion	Exp%	Act%
91.00	100	100
55.00	69.60	78.36
41.00	56.40	63.88
43.10	42.00	49.04

Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\
Data File : 1A59619.d
Acq On : 1 Oct 2024 5:36 pm
Operator : jeniferw
Sample : FC19116-7MS Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Oct 02 01:26:49 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\method\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration



TIC: 1A59619.d\data.ms

(77) Ethylbenzene

5.390min (-0.001) 31.53ug/L

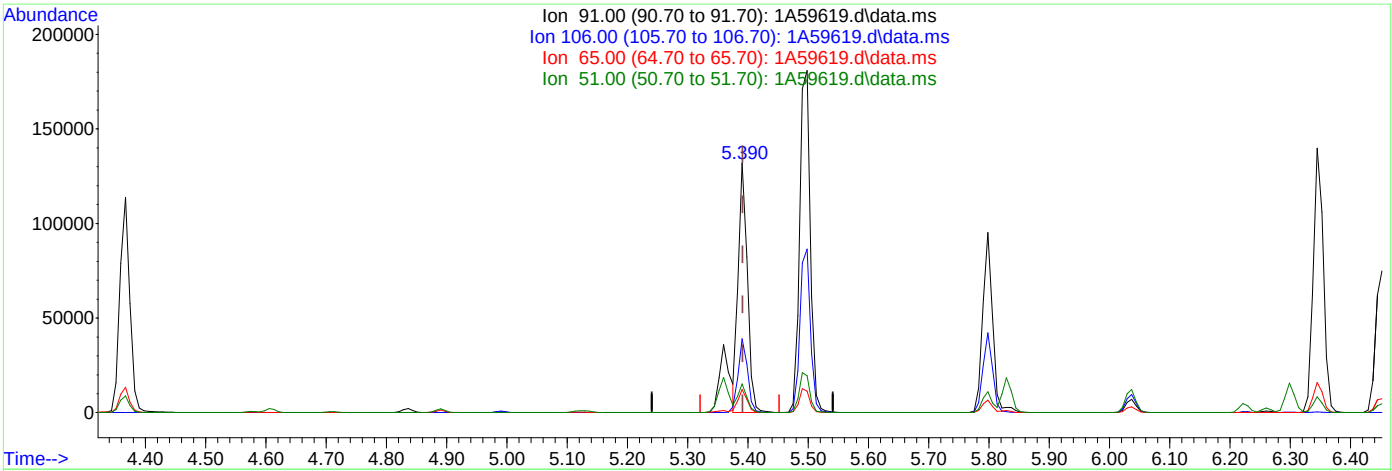
response 183915

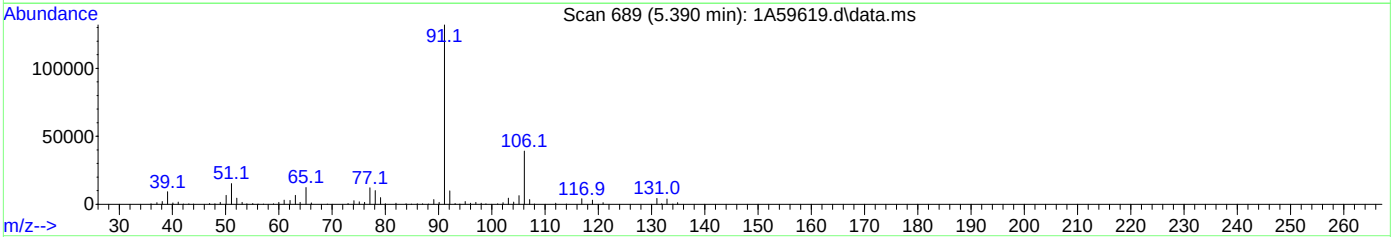
Ion	Exp%	Act%
91.00	100	100
106.00	30.40	29.55
65.00	8.50	9.30
51.00	10.30	11.47

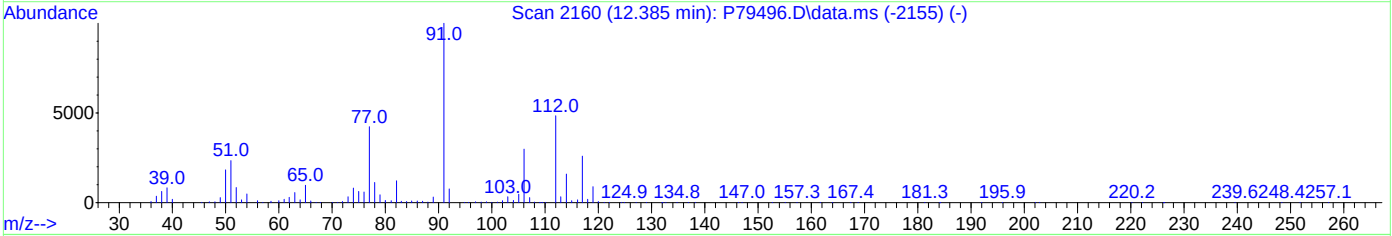
Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\
Data File : 1A59619.d
Acq On : 1 Oct 2024 5:36 pm
Operator : jeniferw
Sample : FC19116-7MS Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Oct 02 01:26:49 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\method\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration







TIC: 1A59619.d\data.ms

(77) Ethylbenzene

5.390min (-0.001) 24.05ug/L m

response 140312

Ion	Exp%	Act%
91.00	100	100
106.00	30.40	29.55
65.00	8.50	9.30
51.00	10.30	11.47

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
10/04/24 12:04

Quantitation Report (QT Reviewed)

Data Path : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\
Data File : 1A59620.d
Acq On : 1 Oct 2024 6:01 pm
Operator : jeniferw
Sample : FC19116-7MSD Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Oct 02 01:32:37 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\method\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.397	96	247382	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.352	117	176023	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.091	152	90802	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	2.951	113	70949	50.28	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.56%			
49) 1,2-Dichloroethane-d4	3.228	65	81214	52.33	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 104.66%			
63) Toluene-d8	4.336	98	239906	48.40	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 96.80%			
86) 4-Bromofluorobenzene	6.229	174	74406	49.80	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.60%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.011	85	37401	27.2321	ug/L	98
3) Chloromethane	1.119	50	34214	27.2284	ug/L	95
4) 1,3-butadiene	1.180	39	28733	25.3759	ug/L	93
5) Vinyl Chloride	1.165	62	34936	25.2405	ug/L	100
6) Bromomethane	1.342	94	18482	24.8489	ug/L	99
7) Chloroethane	1.411	64	21260	22.5671	ug/L	97
8) Trichlorofluoromethane	1.488	101	46580	22.1018	ug/L	99
9) Ethyl Ether	1.650	59	19948	22.7804	ug/L	97
10) Ethanol	1.696	45	3278m	491.1953	ug/L	
11) 1,2-Dichlorotrifluoroe...	1.735	67	35665	24.5211	ug/L	94
12) 1,1-Dichloroethene	1.750	61	50129	28.7637	ug/L	89
13) Freon 113	1.781	101	29303	25.2728	ug/L	98
14) Carbon Disulfide	1.773	76	81876	23.3179	ug/L	95
15) Iodomethane	1.827	142	23168	30.2493	ug/L	99
16) Acrolein	1.896	56	13738	108.9236	ug/L	99
17) Allyl chloride	1.989	41	42303	26.4920	ug/L	97
18) Methylene Chloride	2.035	49	42641	26.6914	ug/L	92
19) Acetone	2.042	43	23513	108.5106	ug/L	100
20) Methyl acetate	2.112	43	63356	106.6733	ug/L	95
21) trans-1,2-Dichloroethene	2.127	61	47713	27.5646	ug/L	91
22) Hexane	2.189	56	27161	25.1568	ug/L #	91
23) Methyl Tert Butyl Ether	2.181	73	60292	22.7061	ug/L #	72
24) Acetonitrile	2.266	41	20663	234.5865	ug/L	93
25) Tert Butyl Alcohol	2.196	59	14999	256.0832	ug/L #	1
26) Di-isopropyl ether	2.381	45	85347	24.4180	ug/L	97
27) Chloroprene	2.427	53	83612	25.2705	ug/L	92
28) 1,1-Dichloroethane	2.435	63	59220	26.4164	ug/L	100
29) Acrylonitrile	2.427	52	41472	119.6801	ug/L	92
30) ETBE	2.573	59	78254	24.2487	ug/L	98
31) Vinyl acetate	2.550	43	242704	124.4897	ug/L	100
32) cis-1,2-Dichloroethene	2.712	96	33449	25.4192	ug/L	96
33) 2,2-Dichloropropane	2.774	77	43932	26.8515	ug/L	97
34) Bromochloromethane	2.812	128	14799	22.6832	ug/L #	84
35) Cyclohexane	2.858	56	50928	24.5286	ug/L	96
36) Chloroform	2.851	83	61800	26.6285	ug/L	97
37) Ethyl acetate	2.904	43	82589	106.4266	ug/L	99
38) Tetrahydrofuran	2.943	42	4316	18.4145	ug/L	95
40) Carbon Tetrachloride	2.958	117	46586m	26.7064	ug/L	
41) 1,1,1-Trichloroethane	2.981	97	53435	28.0806	ug/L	97
42) 2-Butanone	2.997	43	33828	101.3748	ug/L	97
43) 1,1-Dichloropropene	3.051	75	43989	28.9955	ug/L	96
44) tert-Butyl formate	3.089	59	1498	2.7768	ug/L	90

Quantitation Report (QT Reviewed)

Data Path : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\
Data File : 1A59620.d
Acq On : 1 Oct 2024 6:01 pm
Operator : jeniferw
Sample : FC19116-7MSD Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Oct 02 01:32:37 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\method\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45)	Propionitrile	3.135	54	25206	242.0538	ug/L		98
46)	Methacrylonitrile	3.158	41	127292	248.8520	ug/L		99
47)	Benzene	3.174	78	126592	26.1457	ug/L		99
48)	TAME	3.243	73	56878	21.8099	ug/L		91
50)	1,2-Dichloroethane	3.266	62	44404	27.2459	ug/L		96
51)	Isobutyl Alcohol	3.243	43	31011	465.4327	ug/L		97
52)	Tert Amyl Alcohol	3.312	59	7983	196.0035	ug/L		93
53)	Trichloroethene	3.505	95	34261	25.1567	ug/L		98
54)	Methylcyclohexane	3.520	83	49229	24.2872	ug/L		97
55)	Dibromomethane	3.728	93	18123	24.1234	ug/L		95
56)	1,2-Dichloropropane	3.789	63	32990	25.8521	ug/L		94
57)	Bromodichloromethane	3.820	83	42057	26.1636	ug/L		98
58)	Methyl methacrylate	3.913	41	16937	25.2004	ug/L		94
59)	1,4-Dioxane	3.936	88	2195	405.6223	ug/L		83
61)	cis-1,3-Dichloropropene	4.205	75	42755	24.0391	ug/L		94
64)	Toluene	4.367	91	128935	24.3038	ug/L		99
65)	2-Nitropropane	4.459	41	25016	109.3974	ug/L		99
66)	4-Methyl-2-pentanone	4.574	43	87266	106.0376	ug/L		98
67)	trans-1,3-Dichloropropene	4.605	75	35731	20.5524	ug/L		95
68)	Tetrachloroethene	4.628	166	34233	22.8679	ug/L		96
69)	Ethyl methacrylate	4.721	69	25655	22.0885	ug/L		90
70)	1,1,2-Trichloroethane	4.713	83	19695	24.4899	ug/L		98
71)	Dibromochloromethane	4.836	129	28629	26.2155	ug/L		94
72)	1,3-Dichloropropane	4.890	76	40437	25.0936	ug/L		94
73)	1,2-Dibromoethane	4.990	107	22856	24.5510	ug/L		99
74)	3,3-Dimethyl-1-Butanol	5.121	57	64823	1043.9210	ug/L		97
75)	2-hexanone	5.136	43	68999	102.5627	ug/L		89
76)	1-Chlorohexane	5.360	91	42545m	23.2187	ug/L		
77)	Ethylbenzene	5.390	91	138375m	23.2931	ug/L		
78)	Chlorobenzene	5.360	112	79737	23.4281	ug/L		97
79)	1,1,1,2-Tetrachloroethane	5.406	131	28624	26.4556	ug/L		98
80)	m,p-Xylene	5.498	91	220892	48.8739	ug/L		99
81)	o-Xylene	5.798	91	107519	23.5669	ug/L		97
82)	Styrene	5.829	104	78094	24.0509	ug/L		97
83)	Bromoform	5.837	173	14367	23.4841	ug/L		98
84)	Isopropylbenzene	6.037	105	128246	24.3532	ug/L		98
87)	cis-1,4-Dichloro-2-butene	6.260	53	7061	25.6324	ug/L		92
88)	n-Propylbenzene	6.345	91	159263	24.1892	ug/L		97
89)	Bromobenzene	6.298	156	31533	23.3369	ug/L		85
90)	1,1,2,2-Tetrachloroethane	6.368	83	23042	23.9367	ug/L		98
91)	1,3,5-Trimethylbenzene	6.499	105	104999	25.5053	ug/L		97
92)	2-Chlorotoluene	6.452	91	88704	24.3287	ug/L		98
93)	trans-1,4-Dichloro-2-B...	6.499	53	9387	25.1357	ug/L		93
94)	1,2,3-Trichloropropane	6.460	110	6446	23.4688	ug/L		88
95)	Cyclohexanone	6.476	55	2100	102.0970	ug/L		87
96)	4-Chlorotoluene	6.576	91	91828	24.4783	ug/L		97
97)	tert-Butylbenzene	6.745	91	61737	24.8723	ug/L		98
98)	1,2,4-Trimethylbenzene	6.799	105	97979	25.1994	ug/L		96
99)	Pentachloroethane	6.745	167	16970	28.0347	ug/L	#	78
100)	sec-Butylbenzene	6.883	105	125252	23.7463	ug/L		98
101)	4-Isopropyltoluene	7.007	119	104018	24.4394	ug/L		99
102)	1,3-Dichlorobenzene	7.030	146	56445	23.6870	ug/L		96
103)	1,2,3-Trimethylbenzene	7.137	105	92535	23.6219	ug/L		100
104)	1,4-Dichlorobenzene	7.099	146	55708	23.5411	ug/L		93
105)	n-Butylbenzene	7.338	92	51240	23.9192	ug/L		97
106)	Benzyl Chloride	7.291	126	5475	19.7174	ug/L	#	90
107)	1,2-Dichlorobenzene	7.422	146	48284	23.3654	ug/L		97
108)	1,2-Dibromo-3-Chloropr...	7.999	75	2951	23.8724	ug/L	#	80

Quantitation Report (QT Reviewed)

Data Path : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\
Data File : 1A59620.d
Acq On : 1 Oct 2024 6:01 pm
Operator : jeniferw
Sample : FC19116-7MSD Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Oct 02 01:32:37 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\method\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
109) Hexachlorobutadiene	8.507	225	13084	23.6051	ug/L	94
110) 1,2,4-Trichlorobenzene	8.500	180	23679	24.0385	ug/L	93
111) Naphthalene	8.707	128	40118	23.7360	ug/L	99
112) 1,2,3-Trichlorobenzene	8.838	180	18575	24.2502	ug/L	95

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

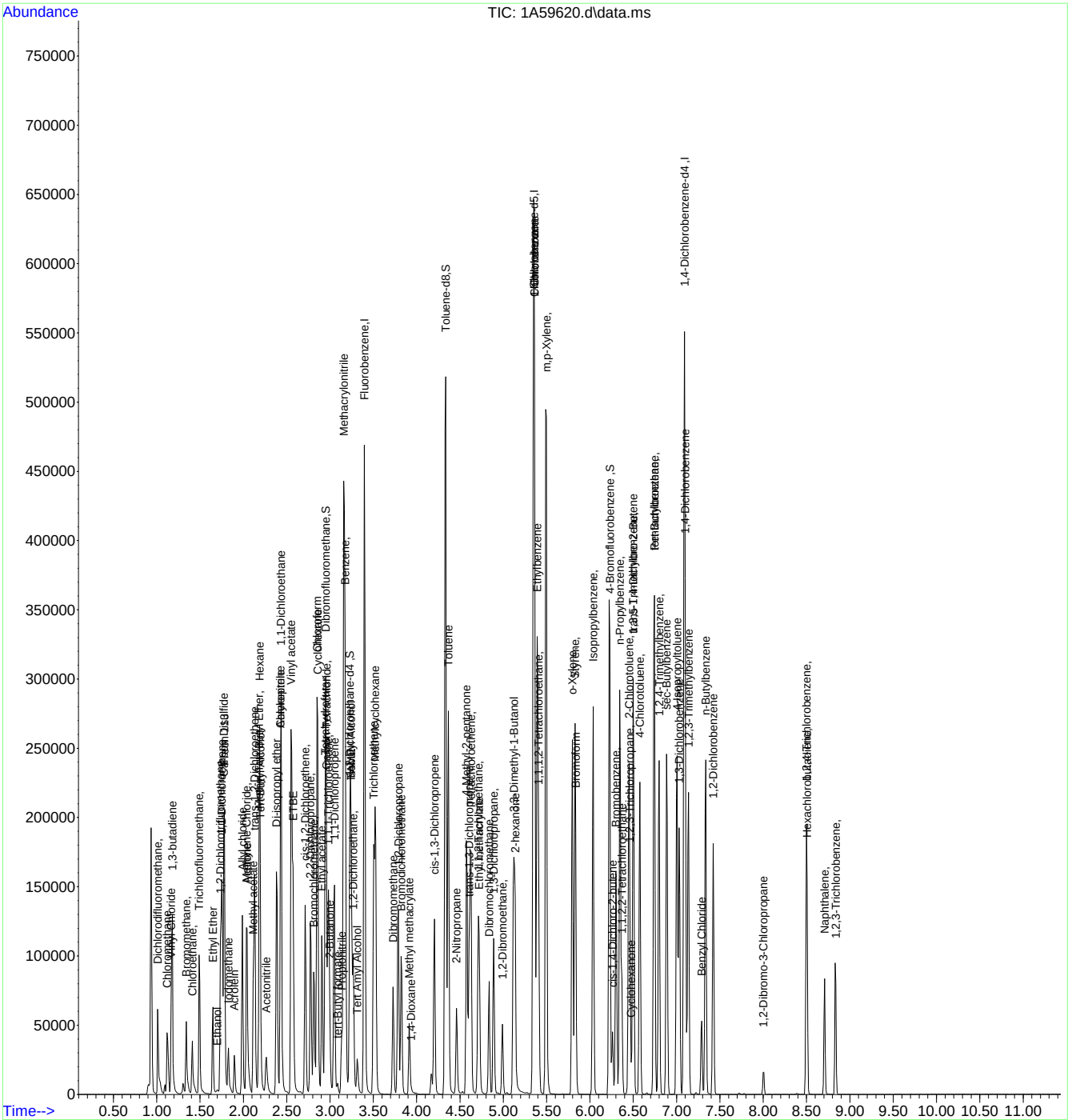
7.4.2

7

Quantitation Report (QT Reviewed)

Data Path : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\
Data File : 1A59620.d
Acq On : 1 Oct 2024 6:01 pm
Operator : jeniferw
Sample : FC19116-7MSD Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Oct 02 01:32:37 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\method\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration



Manual Integration Approval Summary

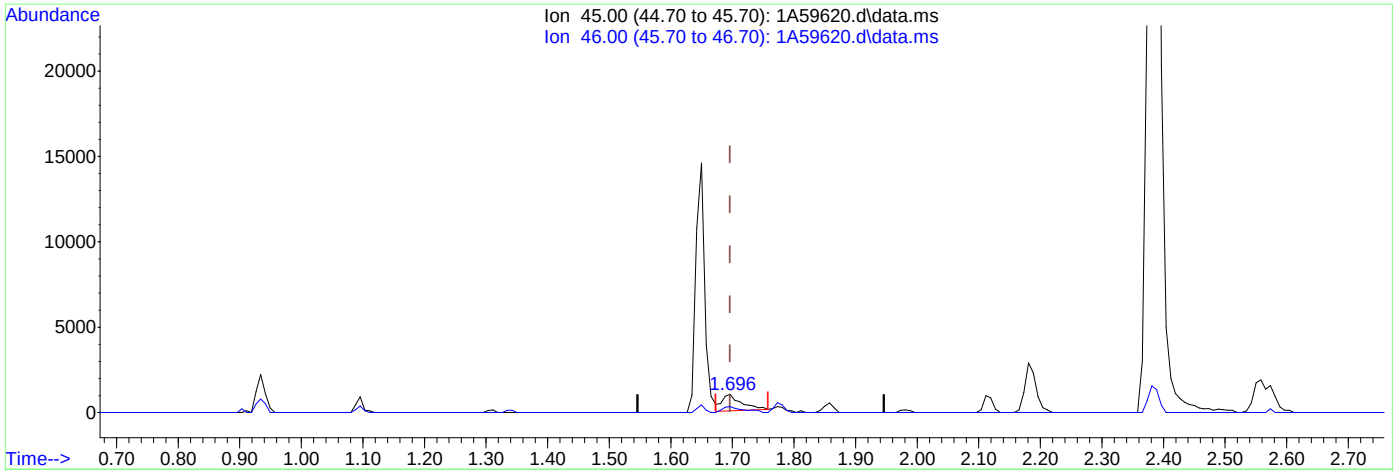
Sample Number: FC19116-7MSD
Lab FileID: 1A59620.D
Injection Time: 10/01/24 18:01
Method: SW846 8260D
Analyst approved: 10/01/24 21:57 Jhenelle Bondal
Supervisor approved: 10/04/24 12:04 Karen Watson

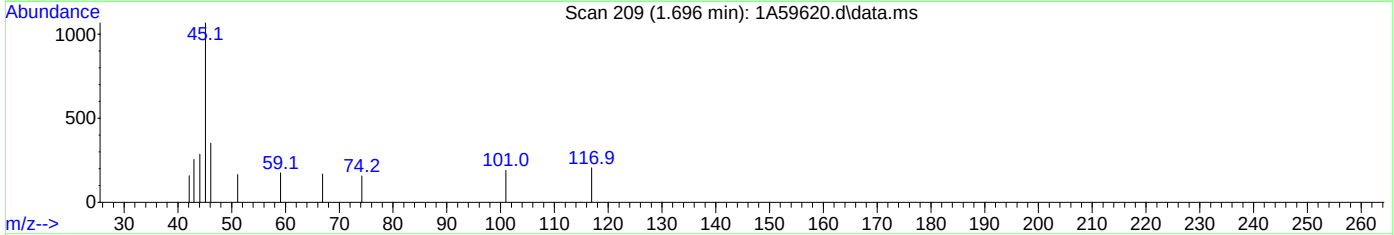
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		1.70	Poorly defined baseline
Carbon Tetrachloride	56-23-5		2.96	Overlapping peak
1-Chlorohexane	544-10-5		5.36	Overlapping peak
Ethylbenzene	100-41-4		5.39	Overlapping peak

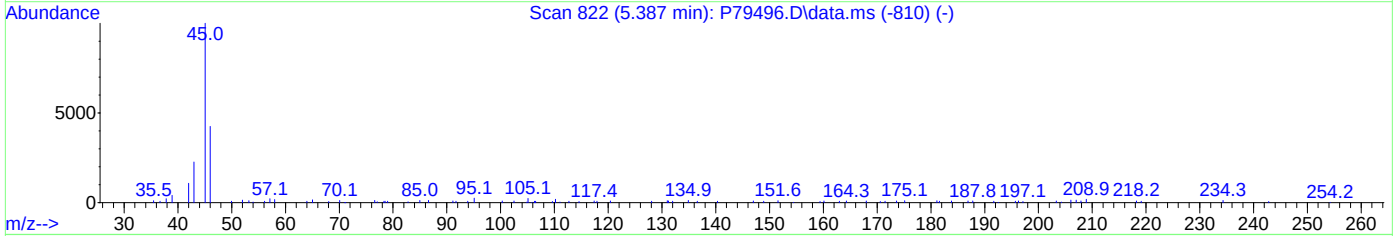
Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\
Data File : 1A59620.d
Acq On : 1 Oct 2024 6:01 pm
Operator : jeniferw
Sample : FC19116-7MS Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Oct 02 01:26:57 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\method\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration







TIC: 1A59620.d\data.ms

(10) Ethanol

1.696min (+0.000) 315.87ug/L

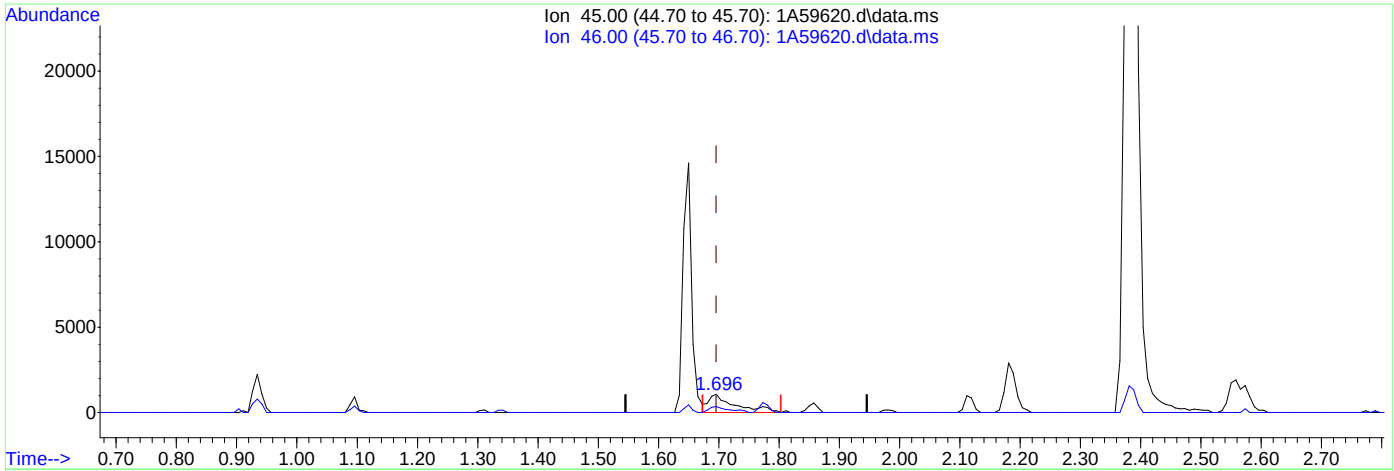
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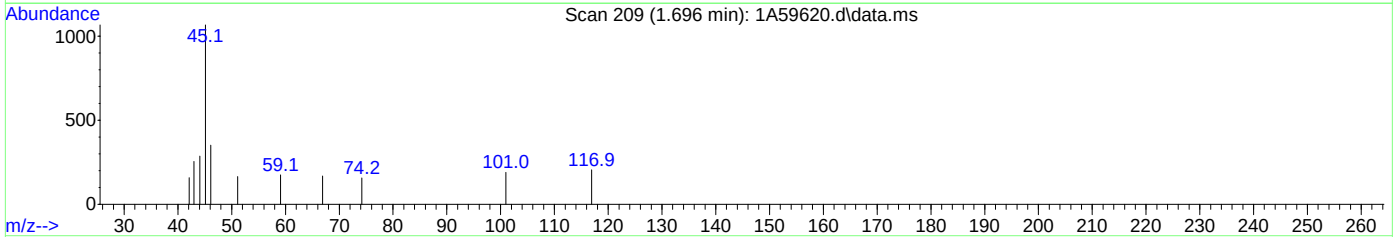
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46.00	35.50	39.89
0.00	0.00	0.00
0.00	0.00	0.00

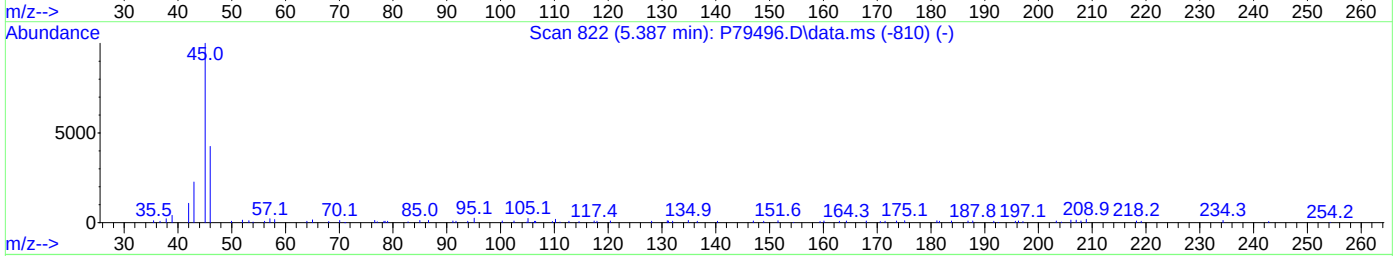
Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\
Data File : 1A59620.d
Acq On : 1 Oct 2024 6:01 pm
Operator : jeniferw
Sample : FC19116-7MS Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Oct 02 01:26:57 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\method\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration







TIC: 1A59620.d\data.ms

(10) Ethanol

1.696min (+0.000) 491.20ug/L m

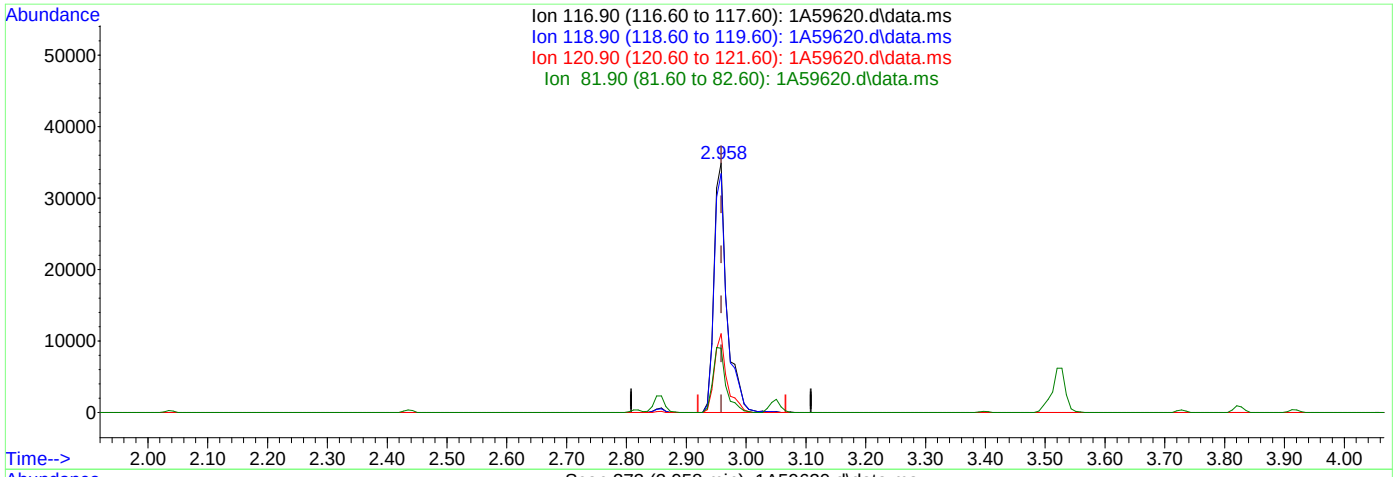
response 3278

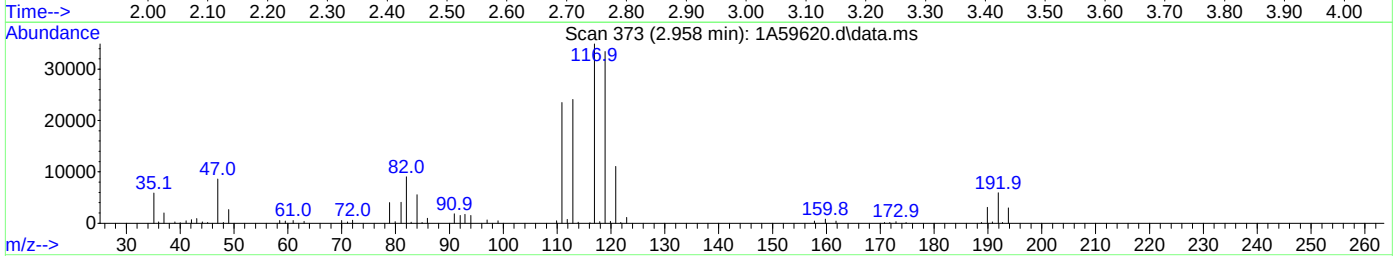
Ion	Exp%	Act%
45.00	100	100
46.00	35.50	32.87
0.00	0.00	0.00
0.00	0.00	0.00

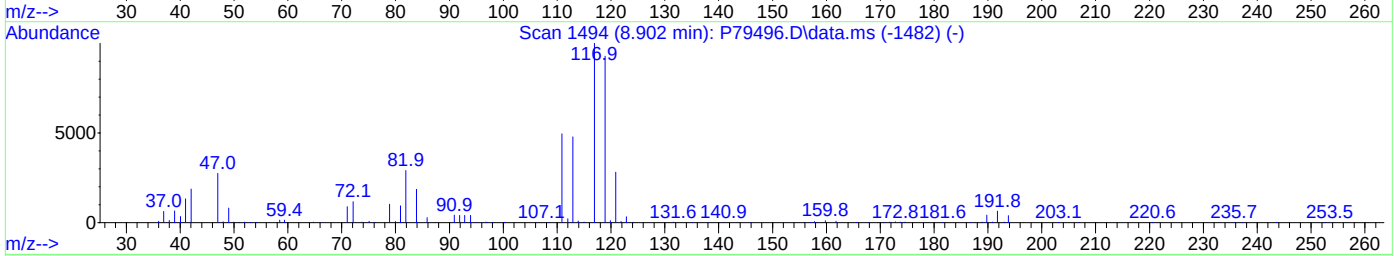
Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\
Data File : 1A59620.d
Acq On : 1 Oct 2024 6:01 pm
Operator : jeniferw
Sample : FC19116-7MS Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Oct 02 01:26:57 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\method\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration







TIC: 1A59620.d\data.ms

(40) Carbon Tetrachloride ( )

2.958min (-0.000) 30.22ug/L

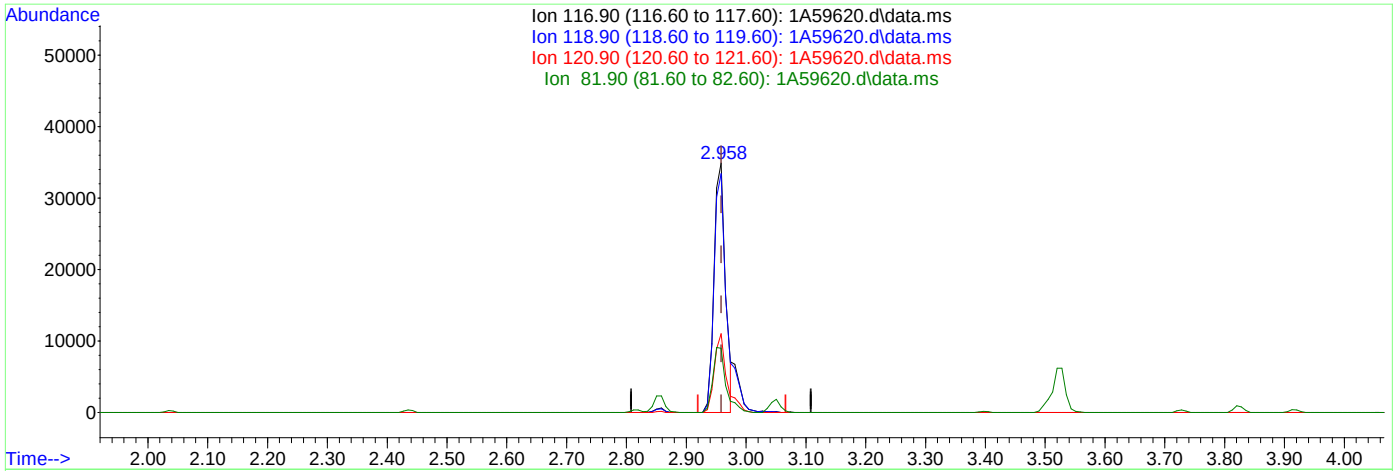
response 52716

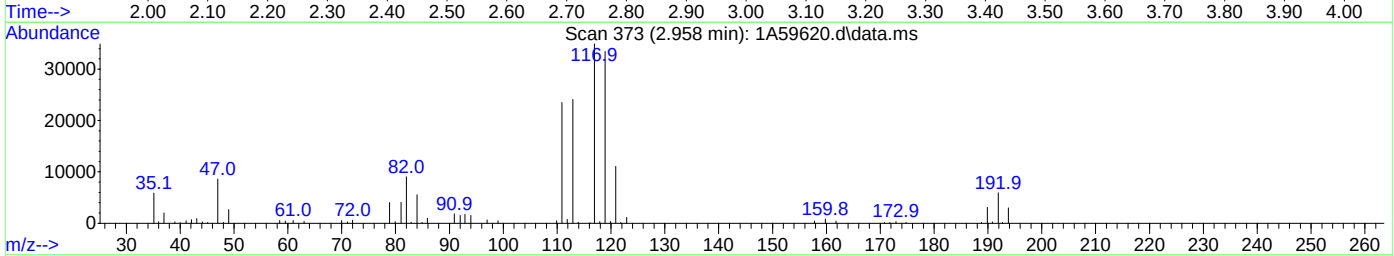
Ion	Exp%	Act%
116.90	100	100
118.90	97.80	95.65
120.90	30.90	31.61
81.90	25.10	25.80

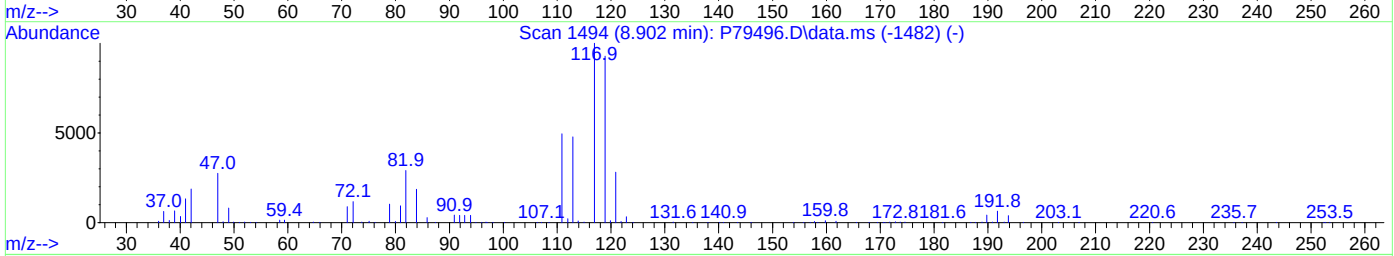
Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\
Data File : 1A59620.d
Acq On : 1 Oct 2024 6:01 pm
Operator : jeniferw
Sample : FC19116-7MS Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Oct 02 01:26:57 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\method\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration







TIC: 1A59620.d\data.ms

(40) Carbon Tetrachloride ( )

2.958min (-0.000) 26.71ug/L m

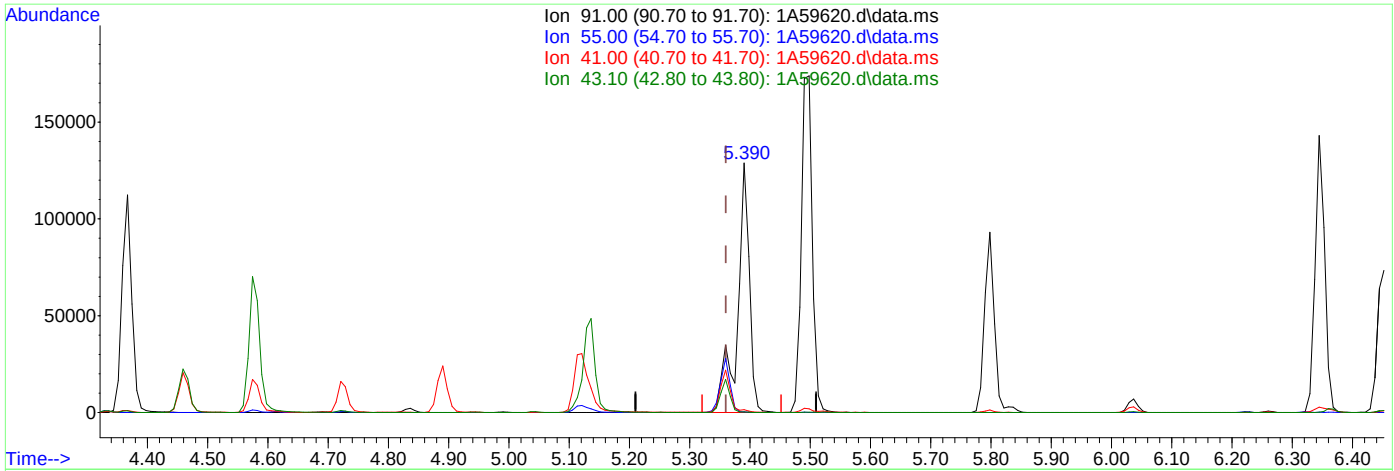
response 46586

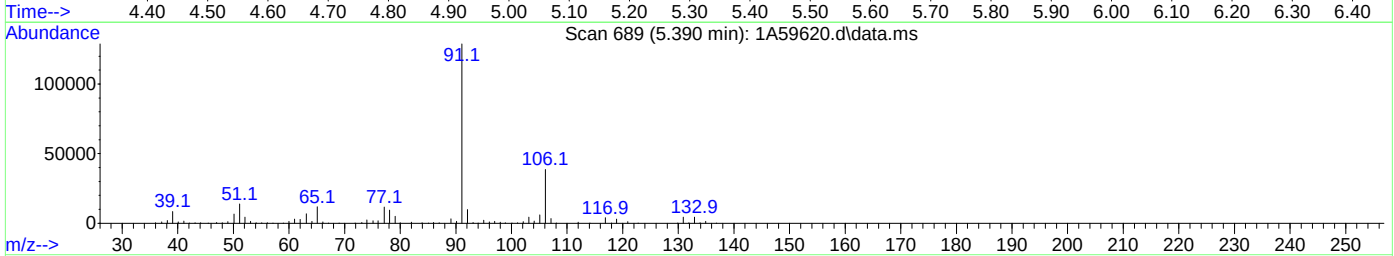
Ion	Exp%	Act%
116.90	100	100
118.90	97.80	95.65
120.90	30.90	31.61
81.90	25.10	25.80

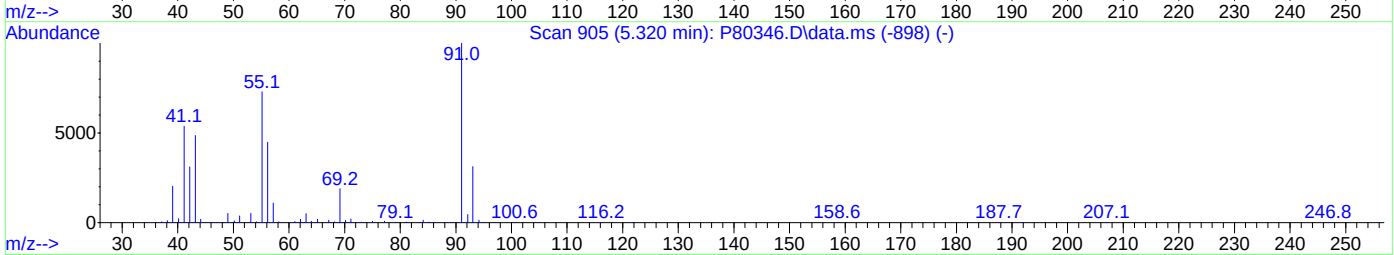
Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\
Data File : 1A59620.d
Acq On : 1 Oct 2024 6:01 pm
Operator : jeniferw
Sample : FC19116-7MS Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Oct 02 01:26:57 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\method\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration







TIC: 1A59620.d\data.ms

(76) 1-Chlorohexane

5.390min (+0.030) 98.78ug/L

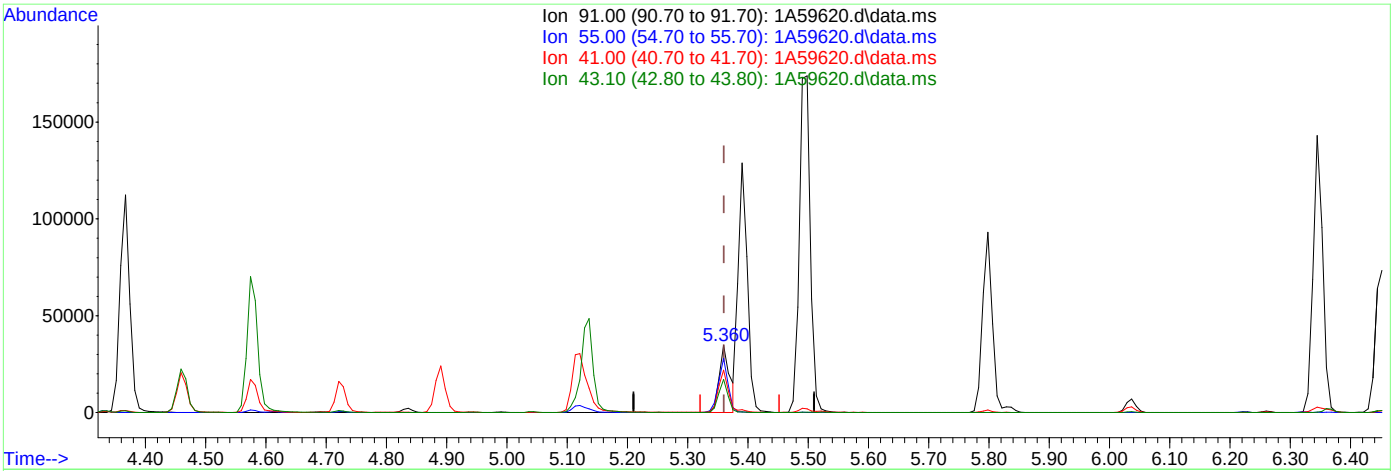
response 181006

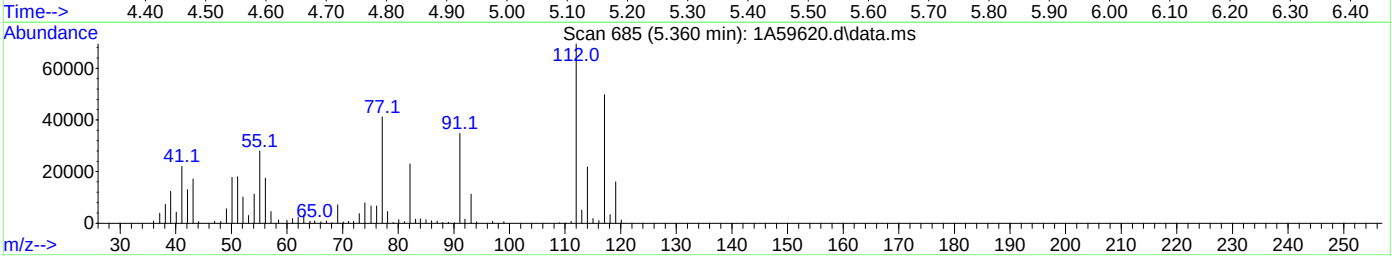
Ion	Exp%	Act%
91.00	100	100
55.00	69.60	0.25#
41.00	56.40	1.06#
43.10	42.00	0.22#

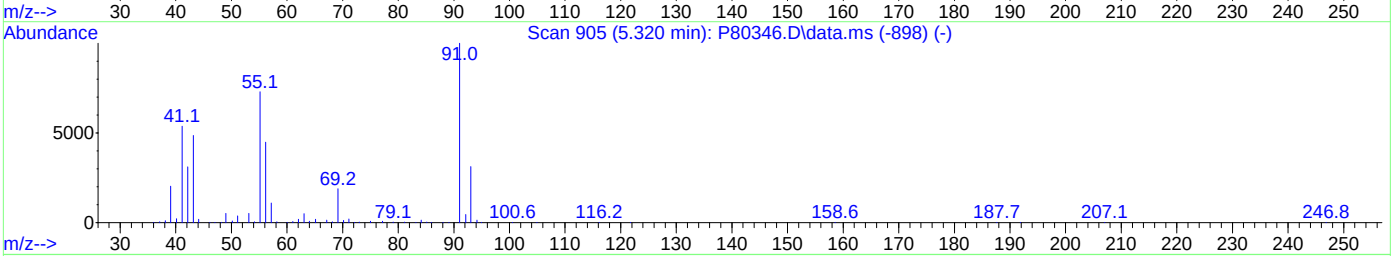
Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\
Data File : 1A59620.d
Acq On : 1 Oct 2024 6:01 pm
Operator : jeniferw
Sample : FC19116-7MS Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Oct 02 01:26:57 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\method\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration







TIC: 1A59620.d\data.ms

(76) 1-Chlorohexane

5.360min (-0.000) 23.22ug/L m

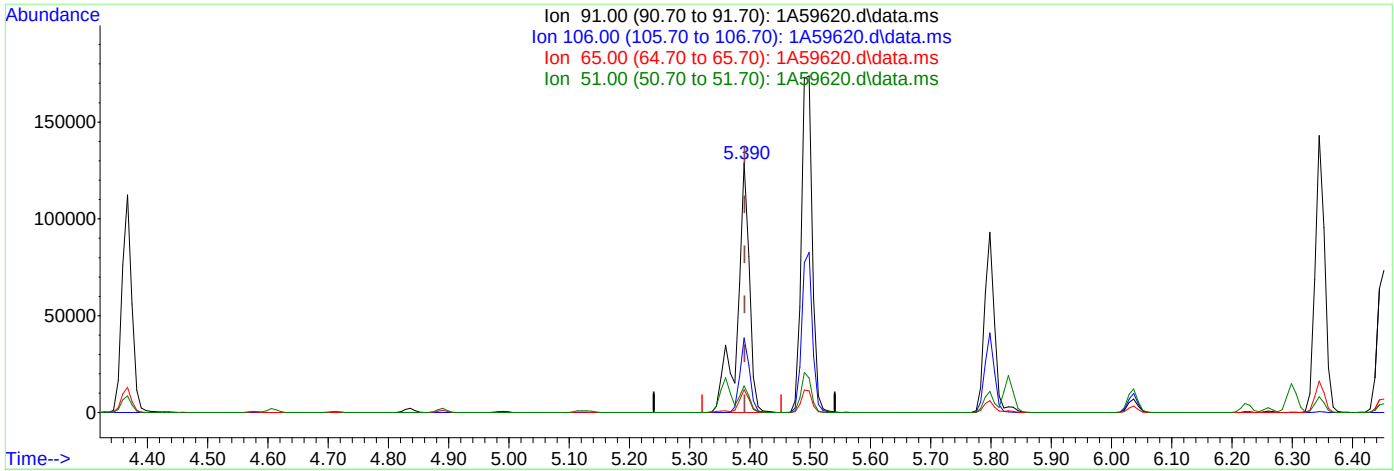
response 42545

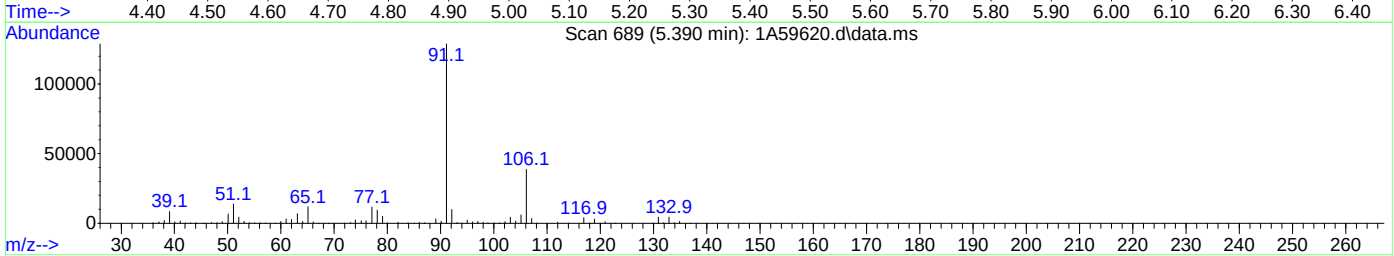
Ion	Exp%	Act%
91.00	100	100
55.00	69.60	80.30
41.00	56.40	63.04
43.10	42.00	49.14

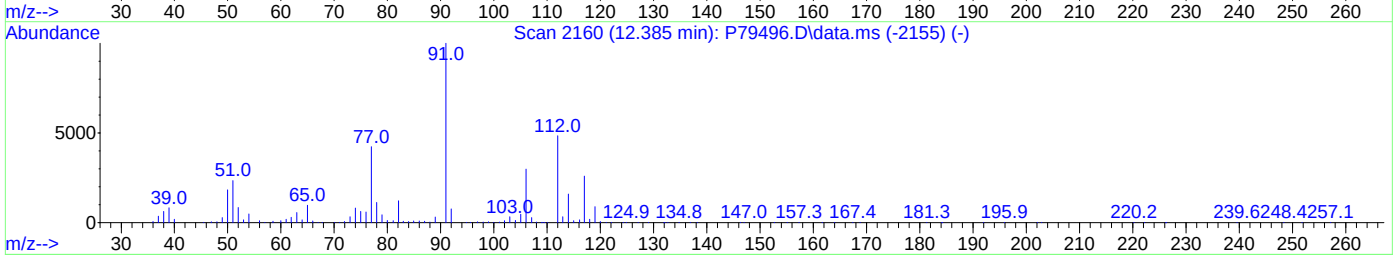
Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\
Data File : 1A59620.d
Acq On : 1 Oct 2024 6:01 pm
Operator : jeniferw
Sample : FC19116-7MS Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Oct 02 01:26:57 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\method\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration







TIC: 1A59620.d\data.ms

(77) Ethylbenzene

5.390min (-0.001) 30.47ug/L

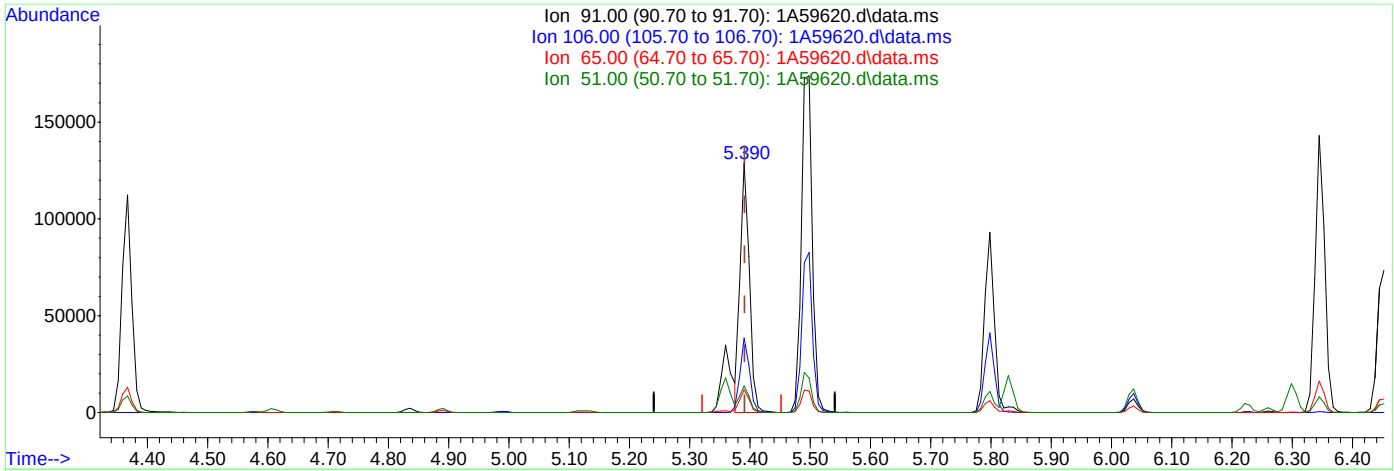
response 181006

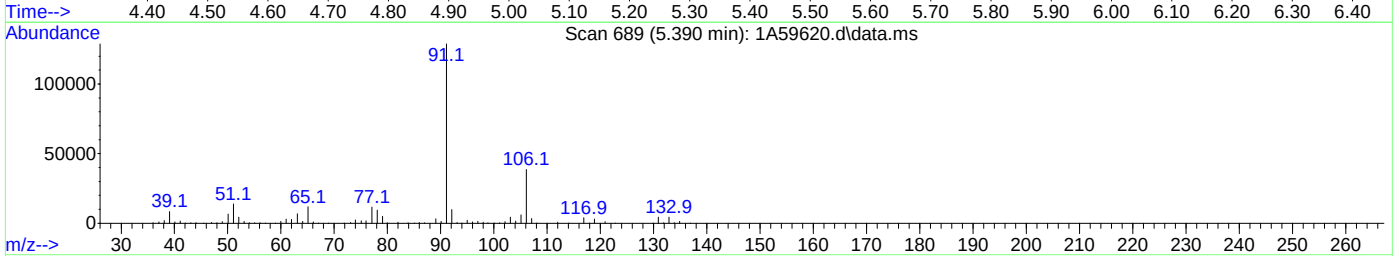
Ion	Exp%	Act%
91.00	100	100
106.00	30.40	29.91
65.00	8.50	9.18
51.00	10.30	10.67

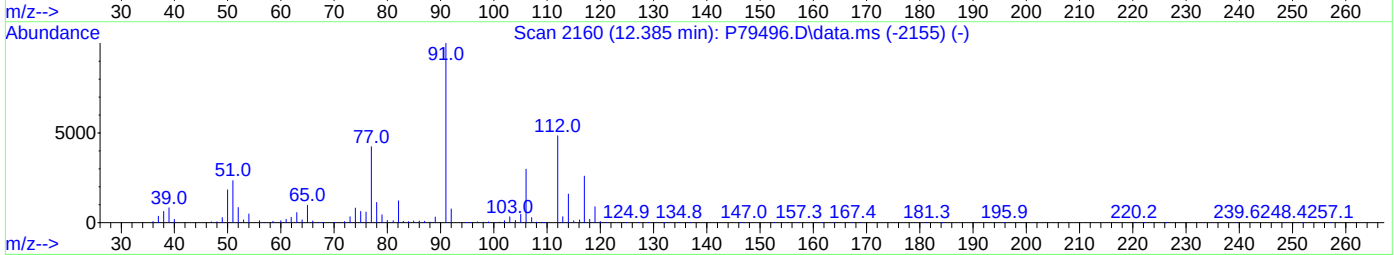
Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\
Data File : 1A59620.d
Acq On : 1 Oct 2024 6:01 pm
Operator : jeniferw
Sample : FC19116-7MS Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Oct 02 01:26:57 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\method\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration







TIC: 1A59620.d\data.ms

(77) Ethylbenzene

5.390min (-0.001) 23.29ug/L m

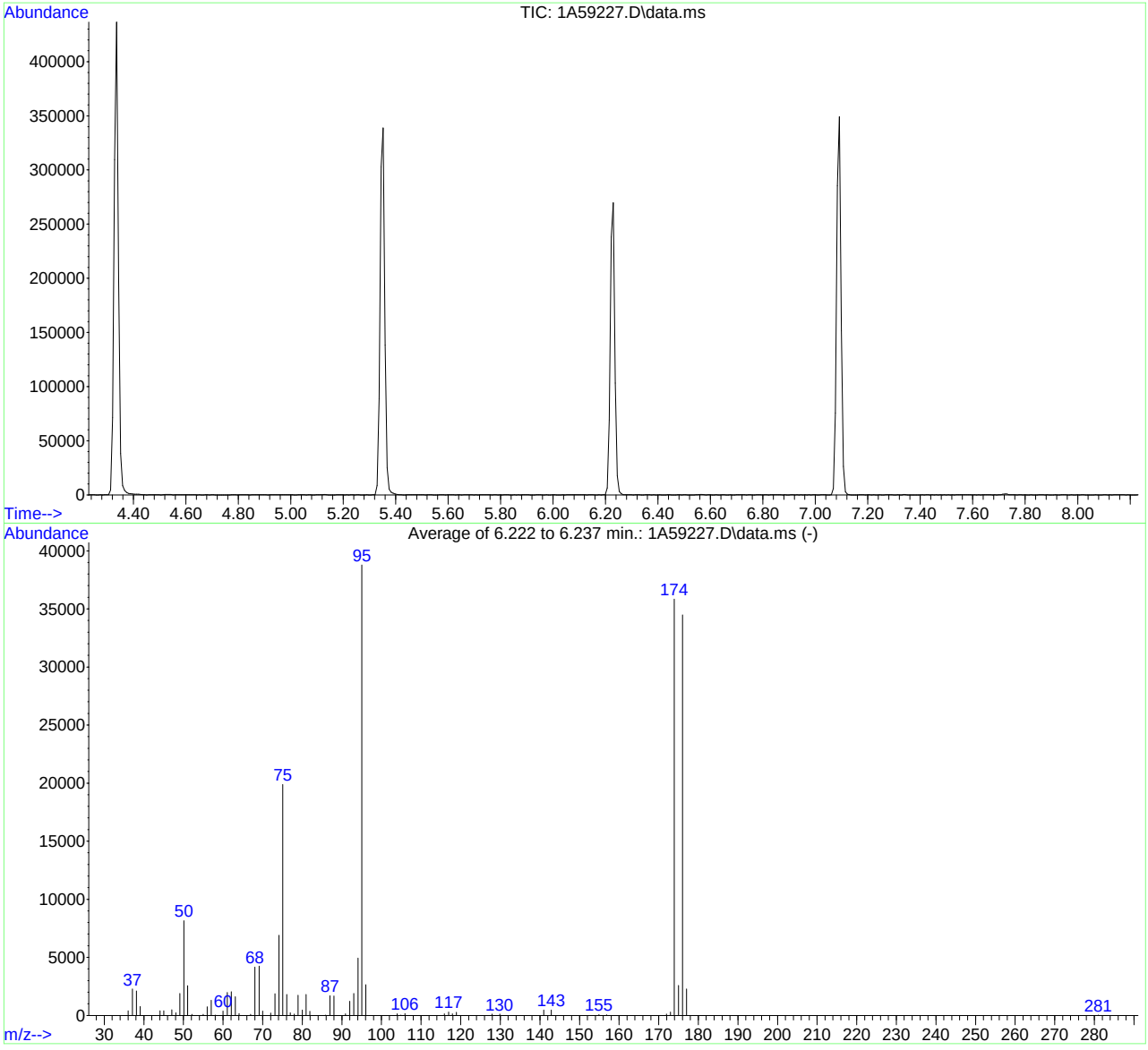
response 138375

Ion	Exp%	Act%
91.00	100	100
106.00	30.40	29.91
65.00	8.50	9.18
51.00	10.30	10.67

Methods: SW-846 8260D

```
Data File : C:\msdchem\1\data\091824\1A59227.D          Vial: 1
Acq On    : 18 Sep 2024   7:29 am                   Operator: jeniferw
Sample    : BFB                                     Inst    : MSVOA17-1A_2A
Misc      : MS57502,V1A3047,,,,,                    Multiplr: 1.00
MS Integration Params: med.p

Method    : C:\msdchem\1\met...A3037_09182024.M (RTE Integrator)
Title     : SW-846 Method 5030/8260D & EPA 624.1
```



AutoFind: Scans 797, 798, 799; Background Corrected with Scan 792

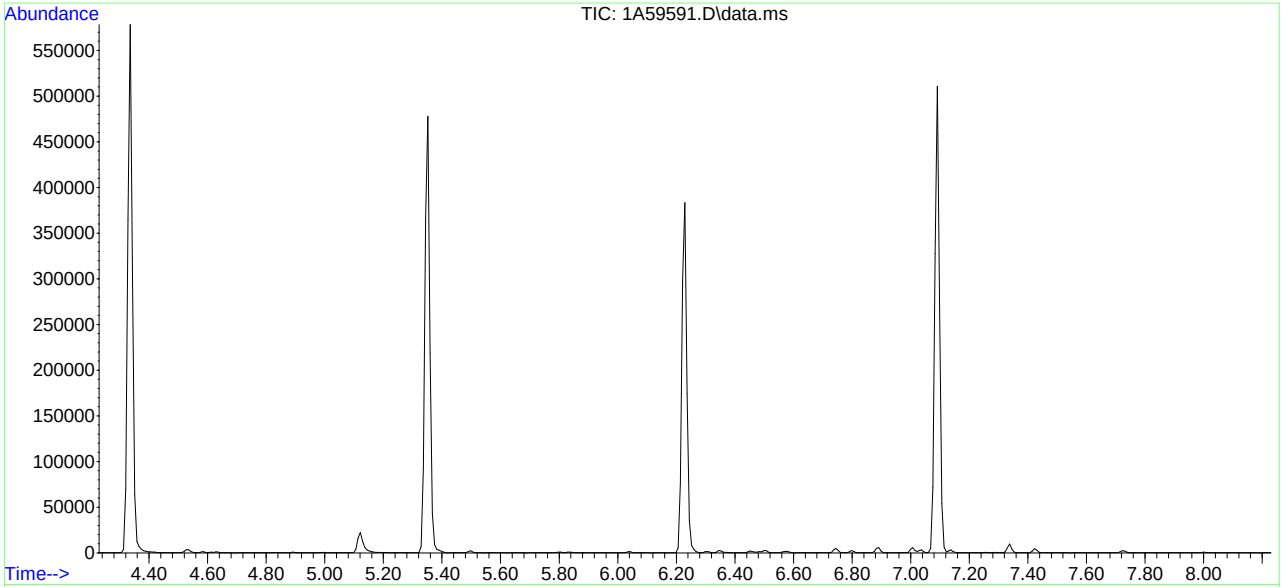
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	95	100	100	100.0	38776	PASS
96	95	5	9	6.8	2651	PASS
173	174	0.00	2	0.8	293	PASS
174	95	50	200	92.4	35837	PASS
175	174	5	9	7.2	2577	PASS
176	174	95	105	96.2	34475	PASS
177	176	5	10	6.6	2270	PASS

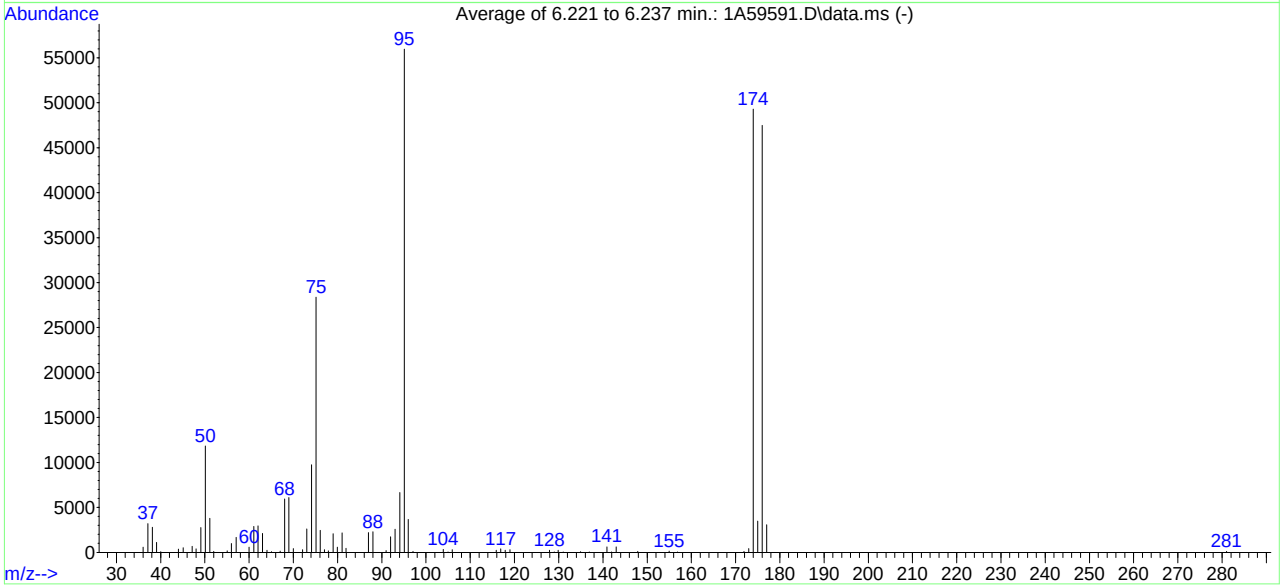
1A59227.D V1A3037_09182024.M Wed Sep 18 11:45:41 2024

Methods: SW-846 8260D

Data File : C:\msdchem\1\data\100124\1A59591.D Vial: 1
Acq On : 1 Oct 2024 6:18 am Operator: jeniferw
Sample : BFB Inst : MSVOA17-1A_2A
Misc : MS57600,V1A3062,,,,, Multiplr: 1.00
MS Integration Params: med.p

Method : C:\msdchem\1\met...A3047_09182024.M (RTE Integrator)
Title : SW-846 Method 5030/8260D & EPA 624.1





AutoFind: Scans 797, 798, 799; Background Corrected with Scan 792

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	95	100	100	100.0	55957	PASS
96	95	5	9	6.6	3669	PASS
173	174	0.00	2	0.9	429	PASS
174	95	50	200	88.1	49296	PASS
175	174	5	9	7.1	3480	PASS
176	174	95	105	96.3	47485	PASS
177	176	5	10	6.5	3079	PASS

1A59591.D V1A3047_09182024.M Tue Oct 01 07:08:55 2024

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/18/24 15:09

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59229.D
Acq On : 18 Sep 2024 8:10 am
Operator : jeniferw
Sample : IC3047-1 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 12:04:21 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	3.397	96	195506	50.00	ug/L		0.00
62) Chlorobenzene-d5	5.344	117	134107	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	7.091	152	66926	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	2.951	113	55492	49.35	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.70%				
49) 1,2-Dichloroethane-d4	3.228	65	59507	46.18	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 92.36%				
63) Toluene-d8	4.336	98	188464	50.85	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 101.70%				
86) 4-Bromofluorobenzene	6.229	174	54911	49.84	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.68%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.011	85	1058	0.79	ug/L		86
3) Chloromethane	1.127	50	942	0.73	ug/L		88
4) 1,3-butadiene	1.180	39	806m	0.67	ug/L		
5) Vinyl Chloride	1.165	62	1019	0.79	ug/L		97
6) Bromomethane	1.342	94	366m	0.70	ug/L		
7) Chloroethane	1.411	64	899	1.21	ug/L		89
8) Trichlorofluoromethane	1.488	101	1648	1.00	ug/L		93
9) Ethyl Ether	1.650	59	611	0.77	ug/L		92
11) 1,2-Dichlorotrifluoroe...	1.742	67	1131	0.92	ug/L		94
12) 1,1-Dichloroethene	1.750	61	1216	0.76	ug/L		94
13) Freon 113	1.781	101	822	0.83	ug/L		91
14) Carbon Disulfide	1.773	76	2751	0.88	ug/L		97
15) Iodomethane	1.827	142	351m	0.59	ug/L		
16) Acrolein	1.904	56	387m	2.90	ug/L		
17) Allyl chloride	1.989	41	1197	0.73	ug/L		88
18) Methylene Chloride	2.035	49	8185	5.68	ug/L		94
19) Acetone	2.042	43	916	4.67	ug/L		96
20) Methyl acetate	2.119	43	1919	3.34	ug/L		98
21) trans-1,2-Dichloroethene	2.135	61	1364	0.89	ug/L		91
22) Hexane	2.189	56	820	0.80	ug/L	#	84
23) Methyl Tert Butyl Ether	2.189	73	1835	0.80	ug/L		87
24) Acetonitrile	2.266	41	1969	26.08	ug/L		96
26) Di-isopropyl ether	2.389	45	2271	0.67	ug/L		89
27) Chloroprene	2.435	53	2295	0.73	ug/L		91
28) 1,1-Dichloroethane	2.435	63	1675	0.84	ug/L		93
29) Acrylonitrile	2.435	52	1228	3.80	ug/L		95
30) ETBE	2.573	59	1991	0.68	ug/L		96
31) Vinyl acetate	2.558	43	6479	3.43	ug/L		97
32) cis-1,2-Dichloroethene	2.712	96	1033	0.95	ug/L		94
33) 2,2-Dichloropropane	2.781	77	1148	0.79	ug/L		96
34) Bromochloromethane	2.820	128	440m	0.82	ug/L		
35) Cyclohexane	2.858	56	1298	0.66	ug/L		82
36) Chloroform	2.858	83	1587	0.80	ug/L		97
37) Ethyl acetate	2.912	43	2712	3.77	ug/L		98
40) Carbon Tetrachloride	2.958	117	1488	1.02	ug/L		86
41) 1,1,1-Trichloroethane	2.981	97	1449	0.89	ug/L		97
42) 2-Butanone	3.004	43	1141	3.50	ug/L		81
43) 1,1-Dichloropropene	3.051	75	1097	0.86	ug/L		96
44) tert-Butyl formate	3.089	59	1544	3.00	ug/L	#	81
45) Propionitrile	3.135	54	670	6.80	ug/L		70
46) Methacrylonitrile	3.158	41	3595	7.23	ug/L		97
47) Benzene	3.174	78	3617	0.88	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59229.D
Acq On : 18 Sep 2024 8:10 am
Operator : jeniferw
Sample : IC3047-1 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 12:04:21 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration

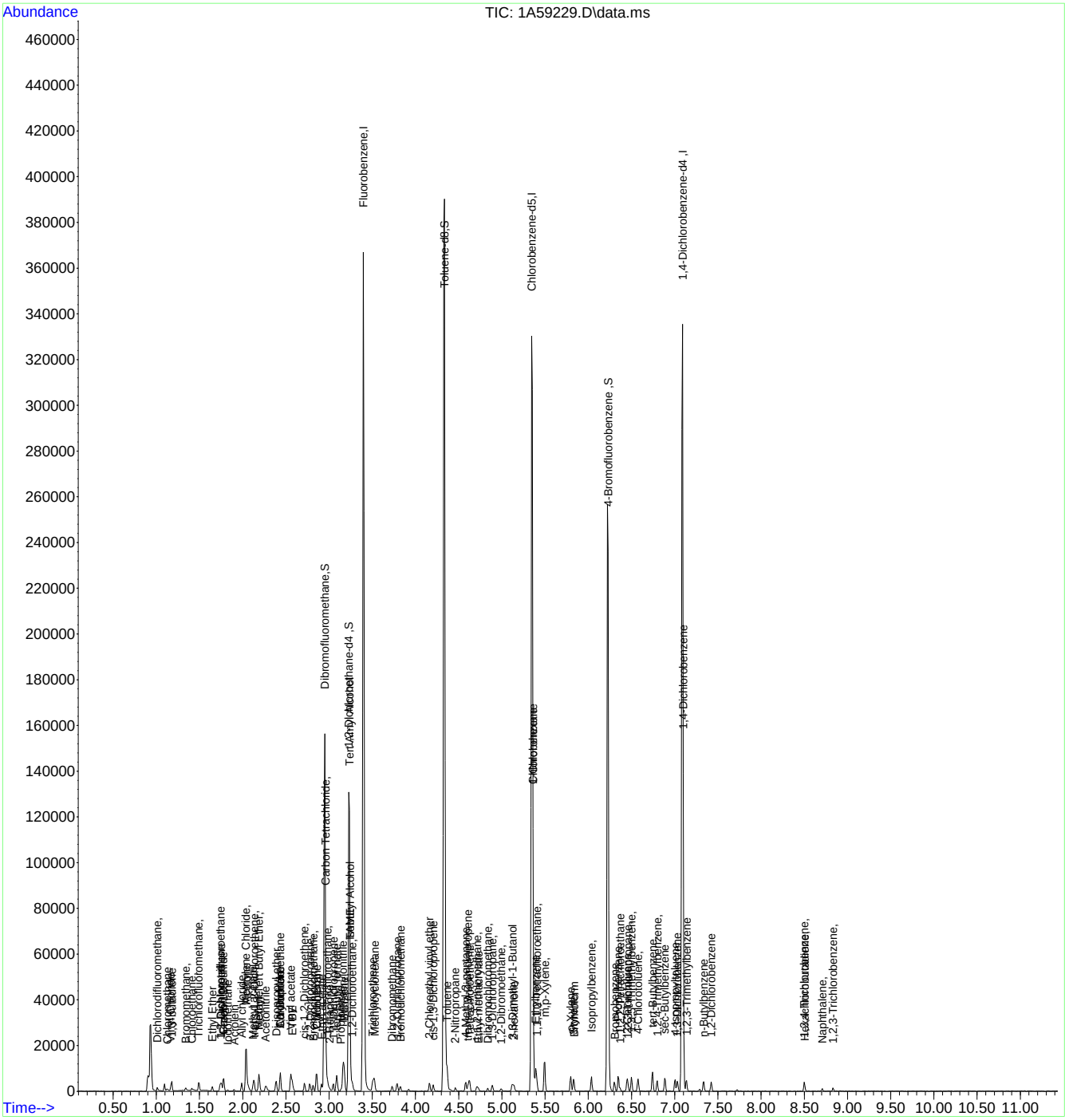
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
48) TAME	3.243	73	1680	0.75	ug/L		86
50) 1,2-Dichloroethane	3.266	62	1168	0.81	ug/L		97
51) Isobutyl Alcohol	3.243	43	809	12.99	ug/L	#	46
52) Tert Amyl Alcohol	3.235	59	66m	1.83	ug/L		
53) Trichloroethene	3.505	95	1140	1.00	ug/L		89
54) Methylcyclohexane	3.528	83	1380	0.79	ug/L		85
55) Dibromomethane	3.728	93	567	0.93	ug/L		85
56) 1,2-Dichloropropane	3.789	63	980	0.89	ug/L		97
57) Bromodichloromethane	3.828	83	1051	0.77	ug/L		93
60) 2-Chloroethyl vinyl ether	4.159	63	1172	2.82	ug/L		89
61) cis-1,3-Dichloropropene	4.205	75	1164	0.76	ug/L		94
64) Toluene	4.367	91	3849	0.94	ug/L		99
65) 2-Nitropropane	4.459	41	496m	3.58	ug/L		
66) 4-Methyl-2-pentanone	4.582	43	1967	2.93	ug/L		95
67) trans-1,3-Dichloropropene	4.605	75	873	0.69	ug/L		86
68) Tetrachloroethene	4.628	166	963	0.92	ug/L		84
69) Ethyl methacrylate	4.728	69	522	0.60	ug/L		87
70) 1,1,2-Trichloroethane	4.713	83	498m	0.81	ug/L		
71) Dibromochloromethane	4.836	129	687	0.82	ug/L		87
72) 1,3-Dichloropropane	4.890	76	1051	0.81	ug/L		95
73) 1,2-Dibromoethane	4.990	107	553	0.78	ug/L		89
74) 3,3-Dimethyl-1-Butanol	5.121	57	1501	34.15	ug/L	#	74
75) 2-hexanone	5.136	43	1505	2.92	ug/L		88
76) 1-Chlorohexane	5.360	91	1420m	0.91	ug/L		
77) Ethylbenzene	5.390	91	4364m	0.96	ug/L		
78) Chlorobenzene	5.360	112	2491	0.96	ug/L		85
79) 1,1,1,2-Tetrachloroethane	5.406	131	657	0.79	ug/L		95
80) m,p-Xylene	5.498	91	5756	1.60	ug/L		96
81) o-Xylene	5.798	91	2992	0.84	ug/L		97
82) Styrene	5.829	104	1895	0.75	ug/L		91
83) Bromoform	5.837	173	368m	0.82	ug/L		
84) Isopropylbenzene	6.037	105	3274	0.79	ug/L		97
88) n-Propylbenzene	6.345	91	4493	0.93	ug/L		99
89) Bromobenzene	6.306	156	900	0.90	ug/L	#	74
90) 1,1,2,2-Tetrachloroethane	6.368	83	582	0.78	ug/L		86
91) 1,3,5-Trimethylbenzene	6.499	105	2537	0.81	ug/L		99
92) 2-Chlorotoluene	6.452	91	2395	0.85	ug/L		89
94) 1,2,3-Trichloropropane	6.460	110	187m	0.94	ug/L		
96) 4-Chlorotoluene	6.576	91	2538	0.87	ug/L		98
97) tert-Butylbenzene	6.745	91	1540	0.80	ug/L		92
98) 1,2,4-Trimethylbenzene	6.799	105	2307	0.79	ug/L		93
100) sec-Butylbenzene	6.883	105	3283	0.83	ug/L		97
101) 4-Isopropyltoluene	7.007	119	2494	0.78	ug/L		91
102) 1,3-Dichlorobenzene	7.030	146	1652	0.95	ug/L		90
103) 1,2,3-Trimethylbenzene	7.137	105	2481	0.82	ug/L		95
104) 1,4-Dichlorobenzene	7.099	146	1602m	0.91	ug/L		
105) n-Butylbenzene	7.337	92	1135	0.77	ug/L		93
107) 1,2-Dichlorobenzene	7.422	146	1364	0.89	ug/L		90
109) Hexachlorobutadiene	8.507	225	417m	0.99	ug/L		
110) 1,2,4-Trichlorobenzene	8.500	180	622	0.84	ug/L		86
111) Naphthalene	8.707	128	980	0.94	ug/L		67
112) 1,2,3-Trichlorobenzene	8.831	180	548	0.98	ug/L		93

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59229.D
Acq On : 18 Sep 2024 8:10 am
Operator : jeniferw
Sample : IC3047-1 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 12:04:21 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration



Manual Integration Approval Summary

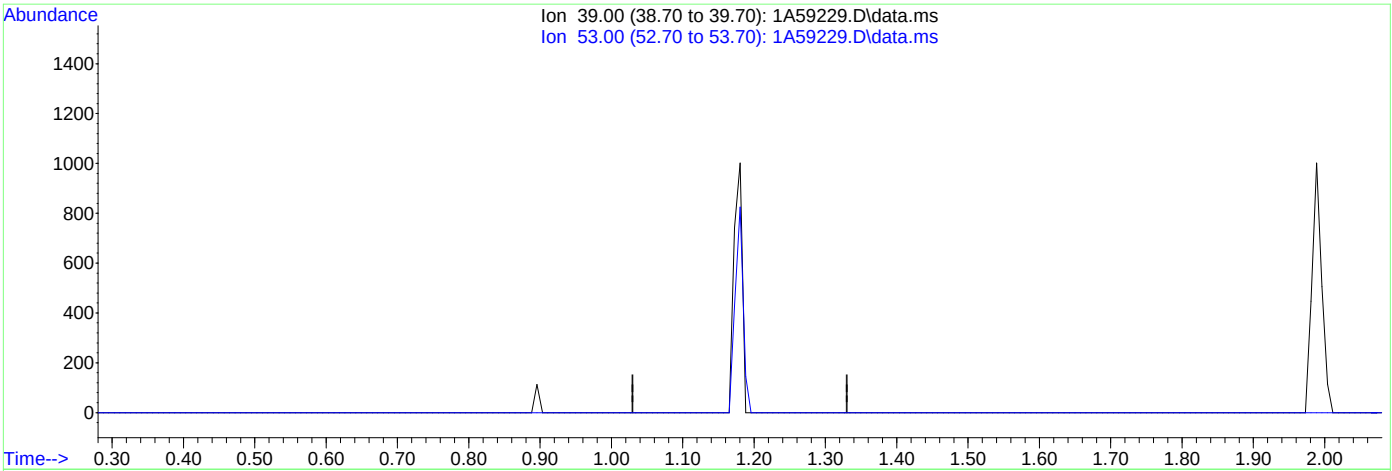
Sample Number: V1A3047-IC3047 **Method:** SW846 8260D
Lab FileID: 1A59229.D **Analyst approved:** 09/18/24 14:30 Jenifer Willis
Injection Time: 09/18/24 08:10 **Supervisor approved:** 09/18/24 15:09 Karen Watson

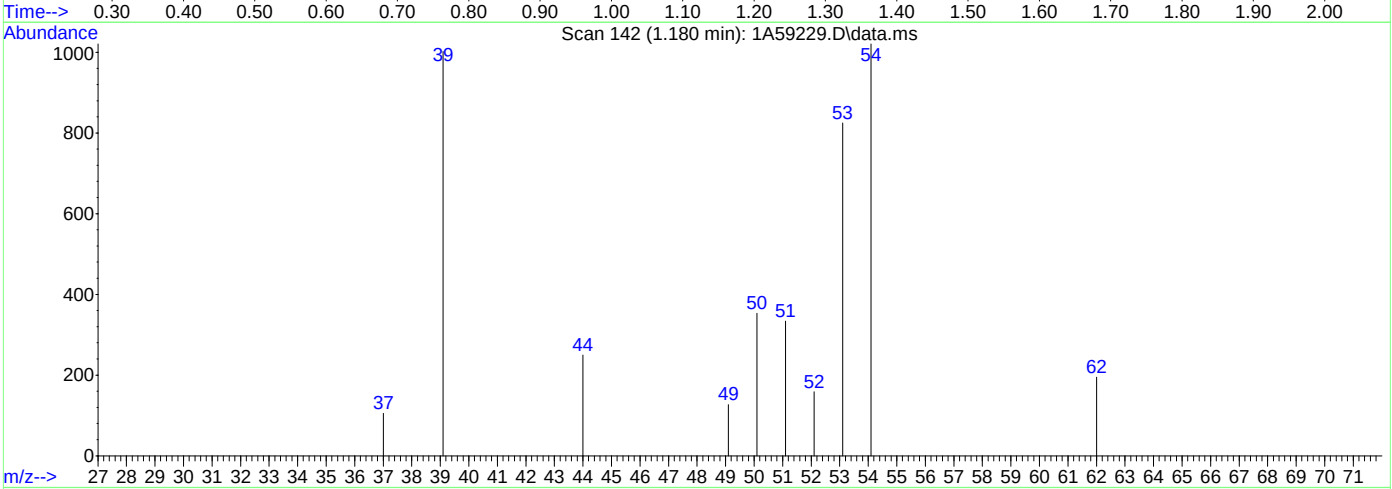
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,3-Butadiene	106-99-0		1.18	Missed peak
Methyl Bromide	74-83-9		1.34	Missed peak
Methyl Iodide	74-88-4		1.83	Missed peak
Acrolein	107-02-8		1.90	Missed peak
Bromochloromethane	74-97-5		2.82	Missed peak
Tert-Amyl Alcohol	75-85-4		3.24	Missed peak
2-Nitropropane	79-46-9		4.46	Missed peak
1,1,2-Trichloroethane	79-00-5		4.71	Missed peak
1-Chlorohexane	544-10-5		5.36	Poorly defined baseline
Ethylbenzene	100-41-4		5.39	Poorly defined baseline
Bromoform	75-25-2		5.84	Missed peak
1,2,3-Trichloropropane	96-18-4		6.46	Missed peak
1,4-Dichlorobenzene	106-46-7		7.10	Missed peak
Hexachlorobutadiene	87-68-3		8.51	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59229.D
Acq On : 18 Sep 2024 8:10 am
Operator : jeniferw
Sample : IC3047-1 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 11:46:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59229.D\data.ms

(4) 1,3-butadiene

1.180min (-1.180) 0.00ug/L

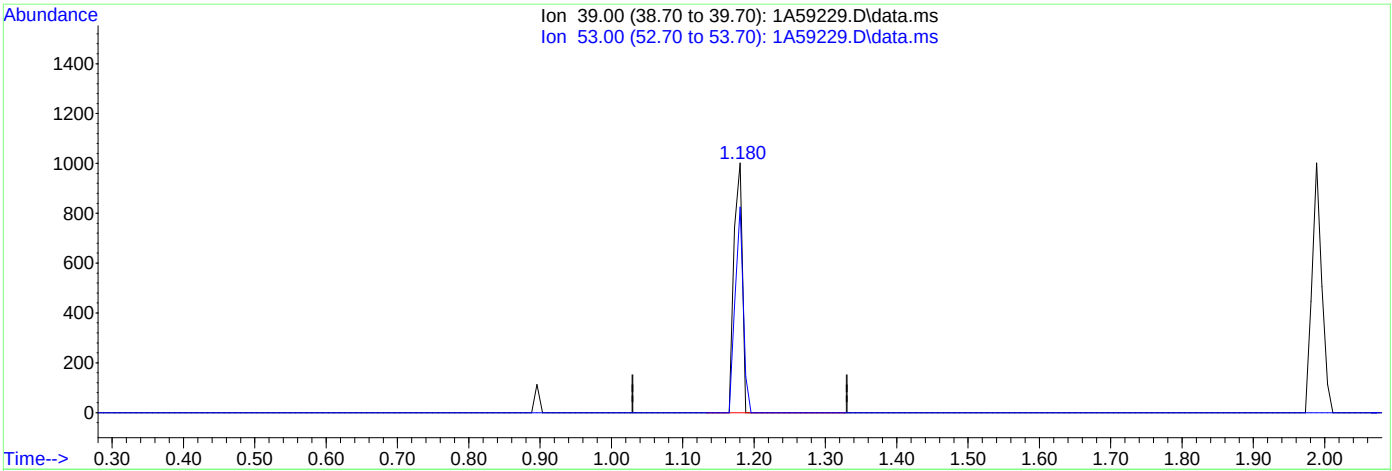
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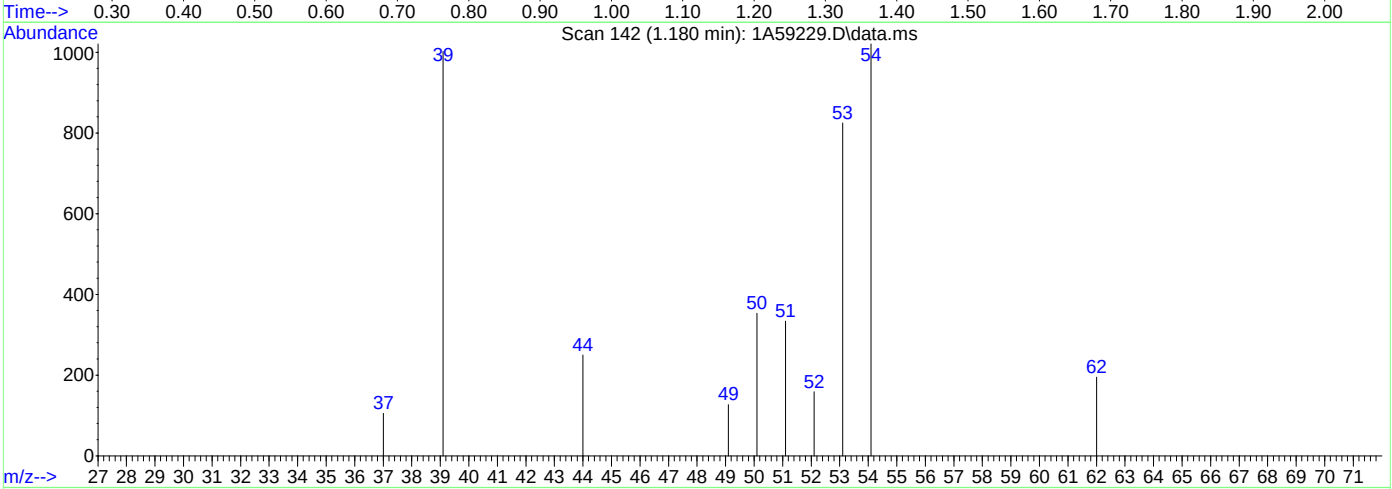
Ion	Exp%	Act%
39.00	100	0.00
53.00	71.20	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59229.D
Acq On : 18 Sep 2024 8:10 am
Operator : jeniferw
Sample : IC3047-1 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 11:46:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59229.D\data.ms

(4) 1,3-butadiene

1.180min (+0.000) 0.67ug/L m

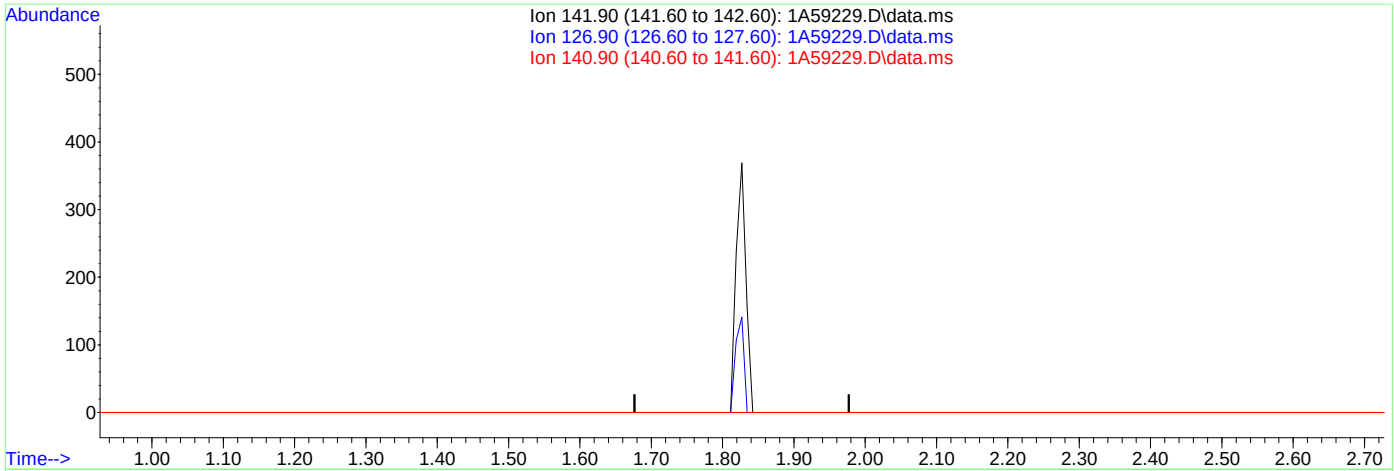
response 806

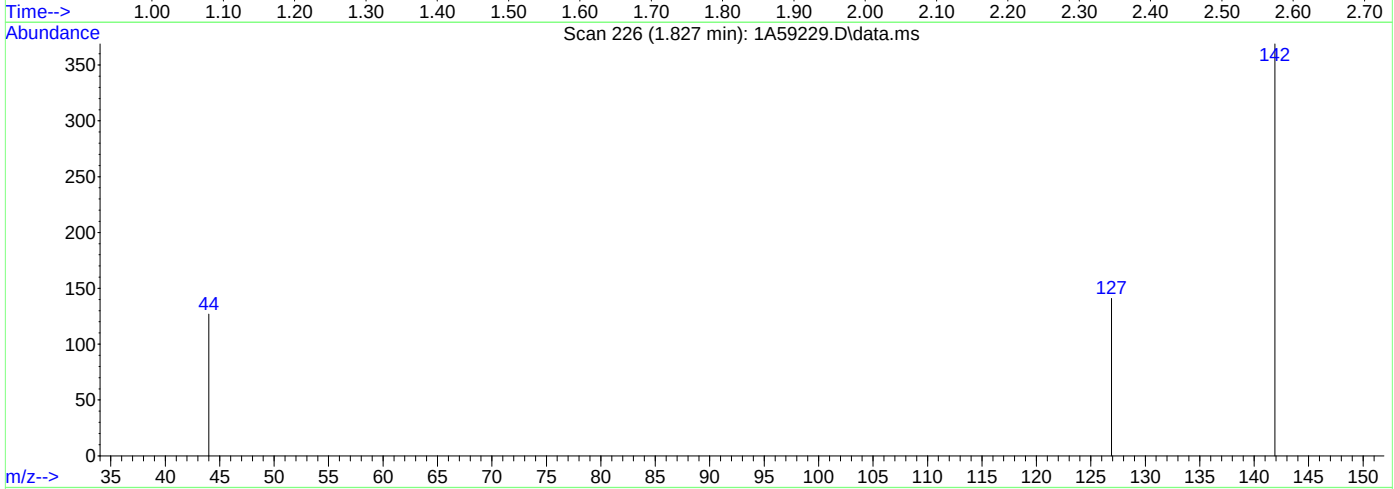
Ion	Exp%	Act%
39.00	100	100
53.00	71.20	82.34
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59229.D
Acq On : 18 Sep 2024 8:10 am
Operator : jeniferw
Sample : IC3047-1 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 11:46:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59229.D\data.ms

(15) Iodomethane

1.827min (-1.827) 0.00ug/L

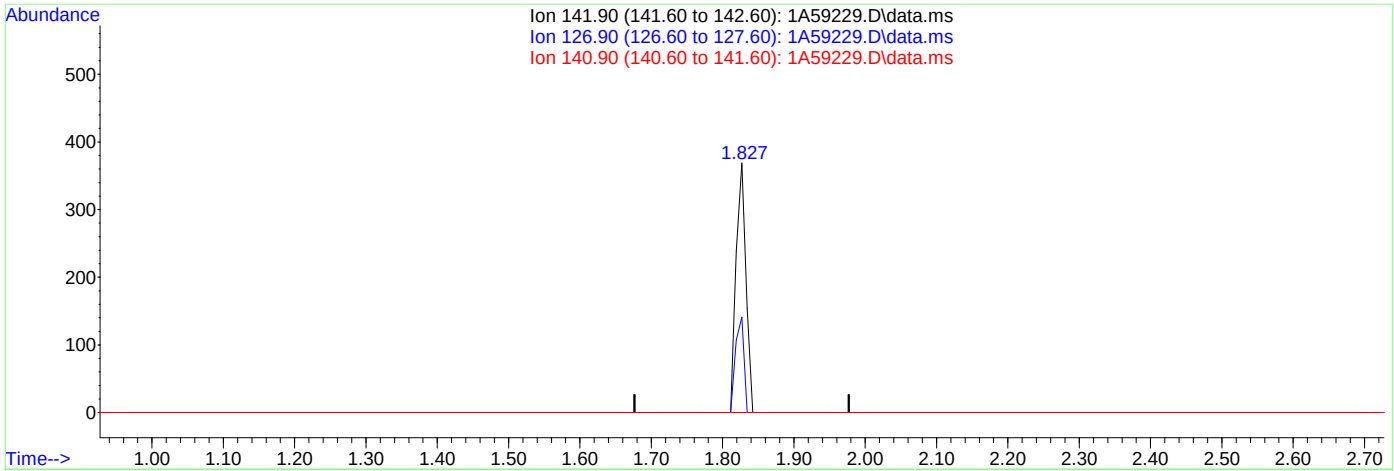
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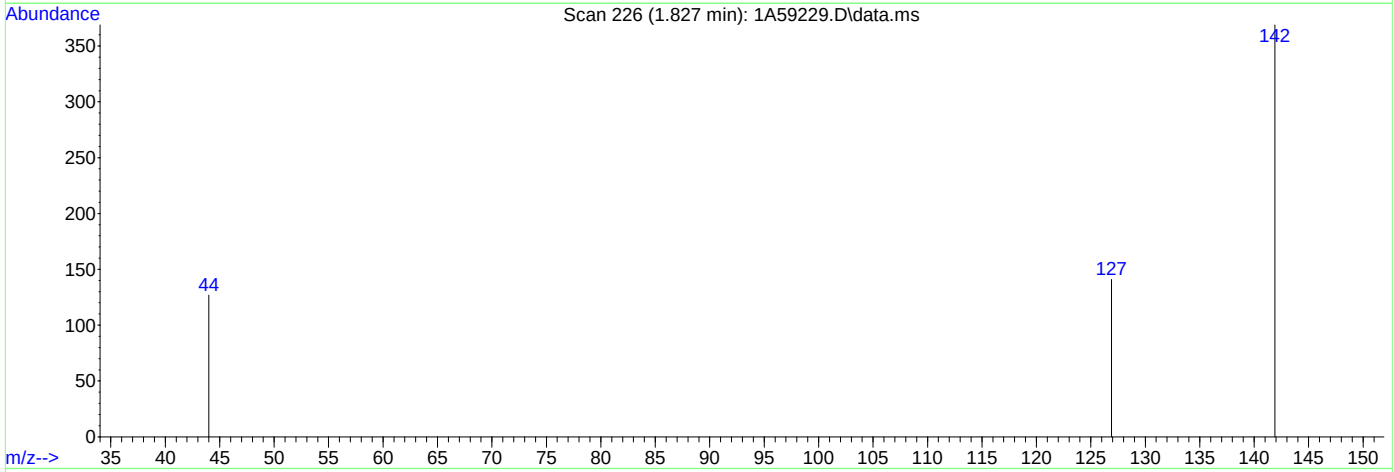
Ion	Exp%	Act%
141.90	100	0.00
126.90	44.30	0.00#
140.90	13.70	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59229.D
Acq On : 18 Sep 2024 8:10 am
Operator : jeniferw
Sample : IC3047-1 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 11:46:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59229.D\data.ms

(15) Iodomethane

1.827min (-0.000) 0.59ug/L m

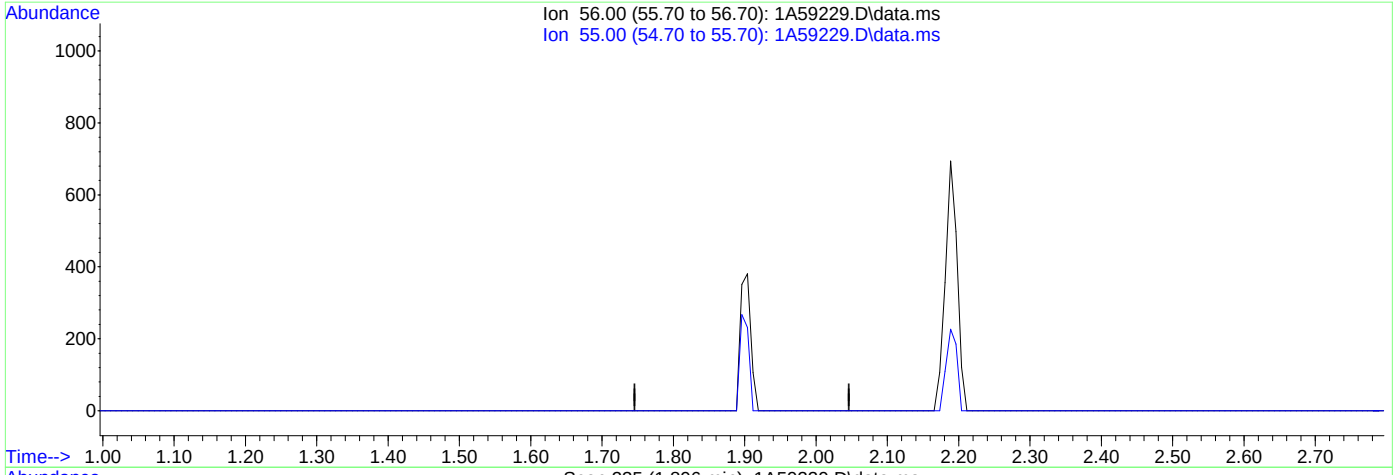
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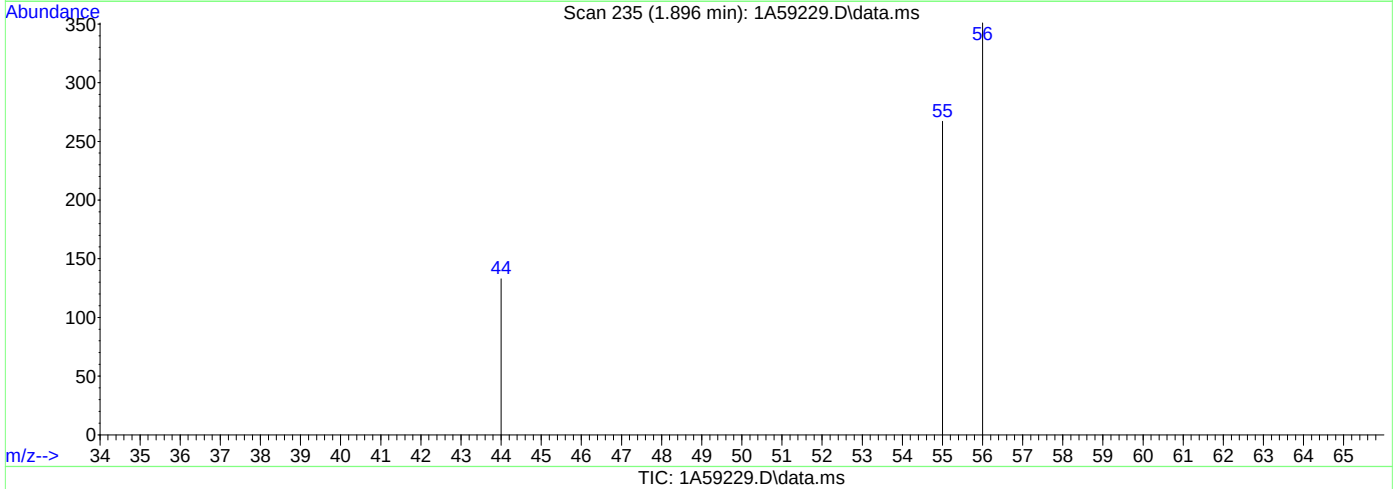
Ion	Exp%	Act%
141.90	100	100
126.90	44.30	38.21
140.90	13.70	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59229.D
Acq On : 18 Sep 2024 8:10 am
Operator : jeniferw
Sample : IC3047-1 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 11:46:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59229.D\data.ms

(16) Acrolein

1.896min (-1.896) 0.00ug/L

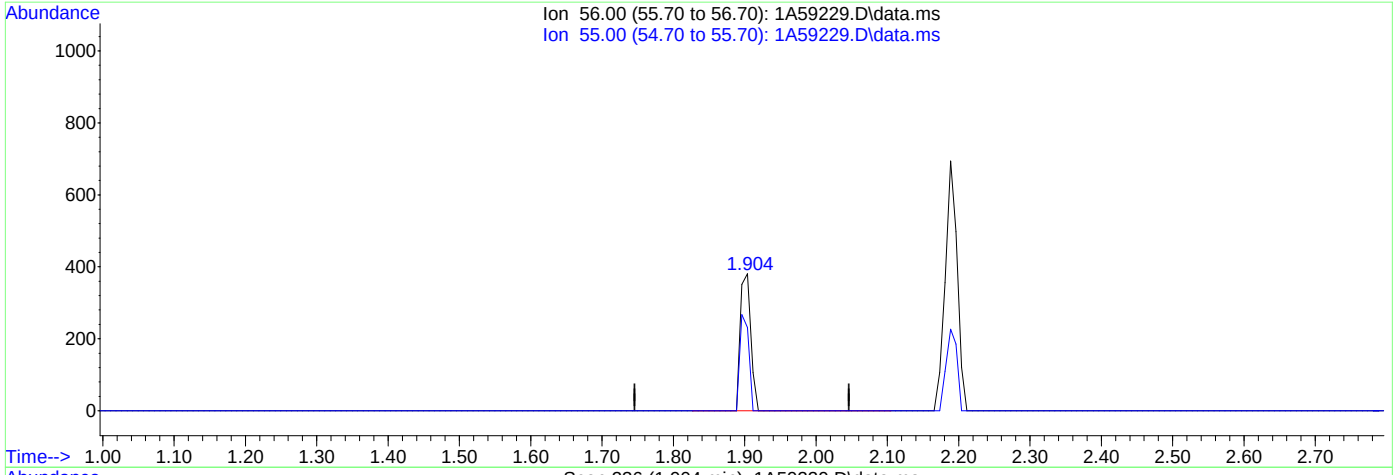
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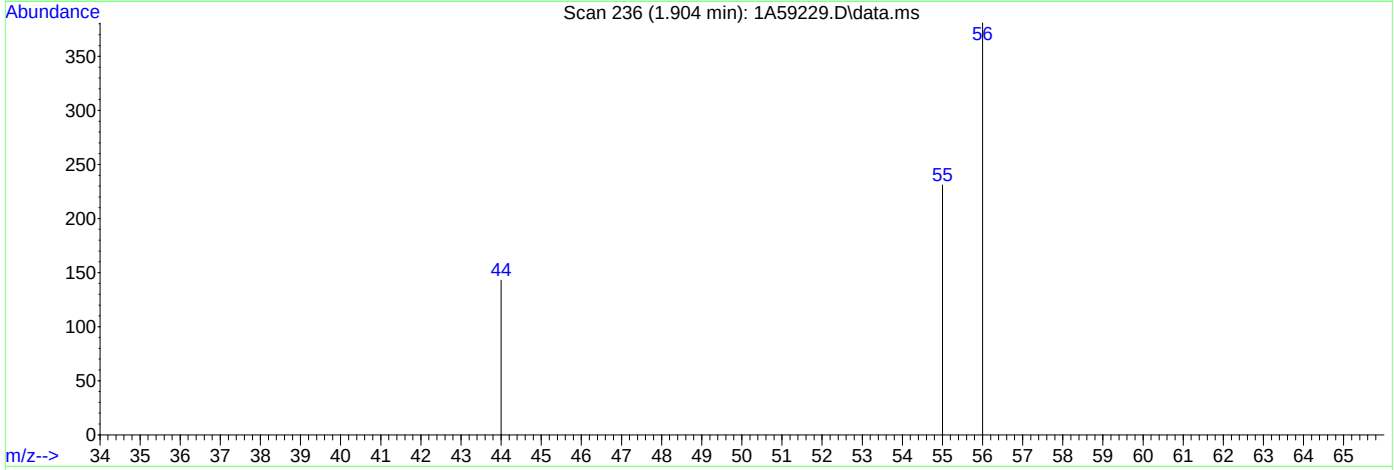
Ion	Exp%	Act%
56.00	100	0.00
55.00	71.70	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59229.D
Acq On : 18 Sep 2024 8:10 am
Operator : jeniferw
Sample : IC3047-1 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 11:46:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59229.D\data.ms

(16) Acrolein

1.904min (+0.008) 2.90ug/L m

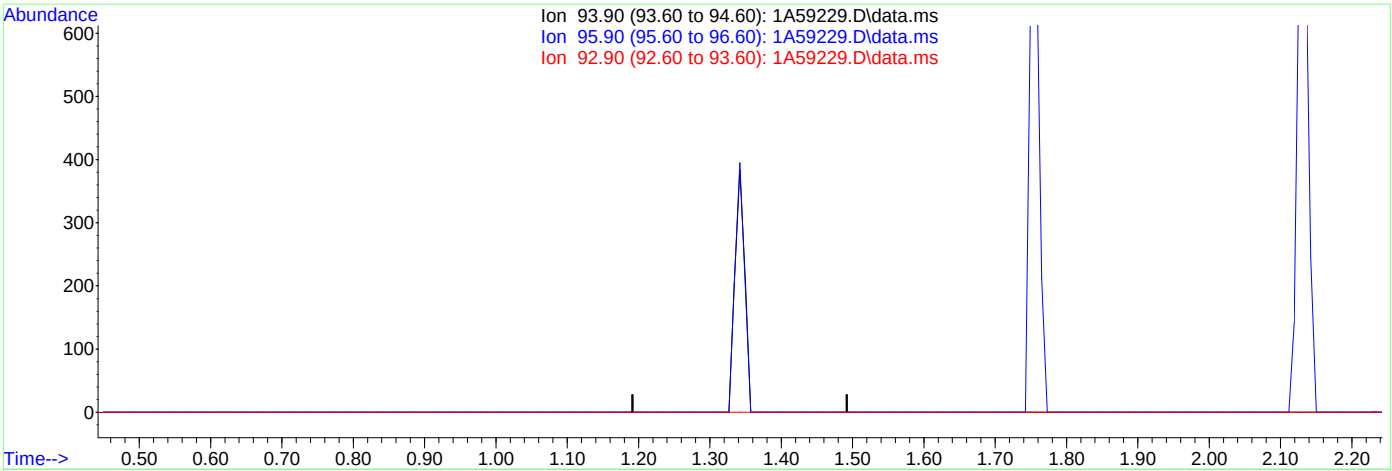
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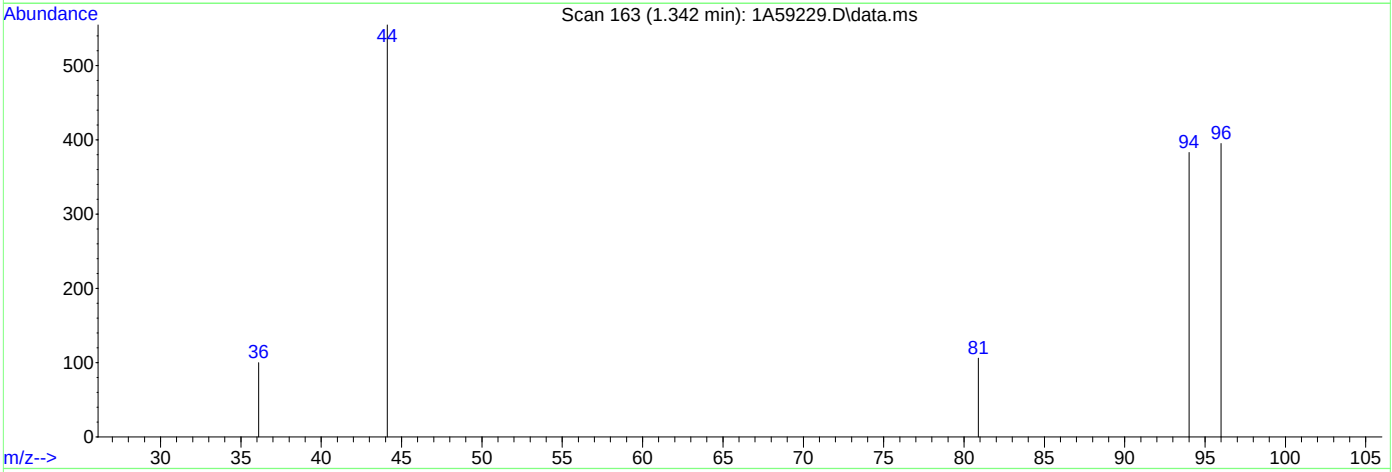
Ion	Exp%	Act%
56.00	100	100
55.00	71.70	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59229.D
Acq On : 18 Sep 2024 8:10 am
Operator : jeniferw
Sample : IC3047-1 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 11:46:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59229.D\data.ms

(6) Bromomethane ( )

1.342min (-1.342) 0.00ug/L

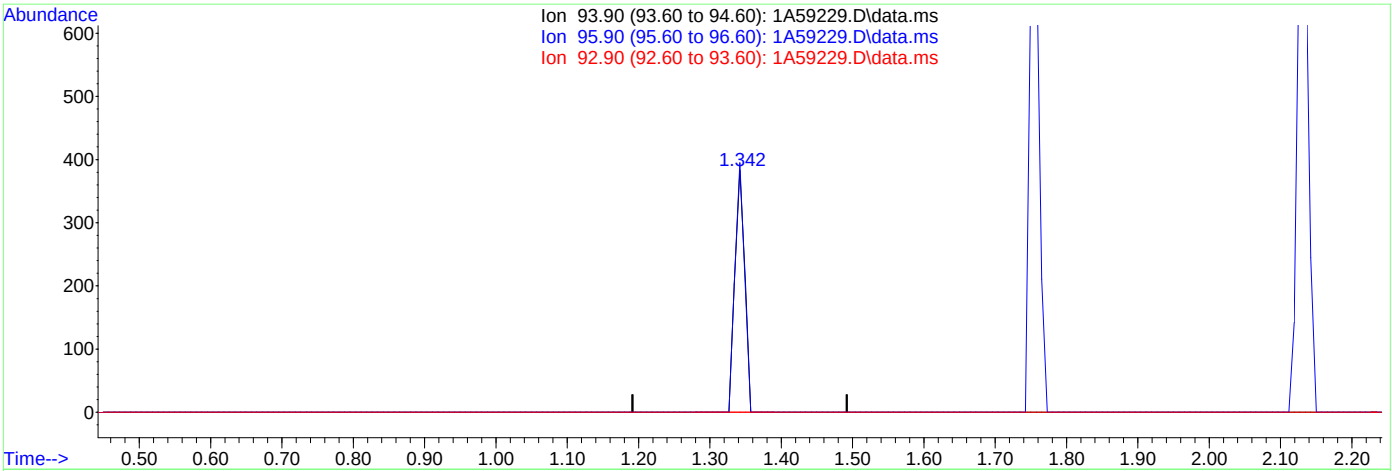
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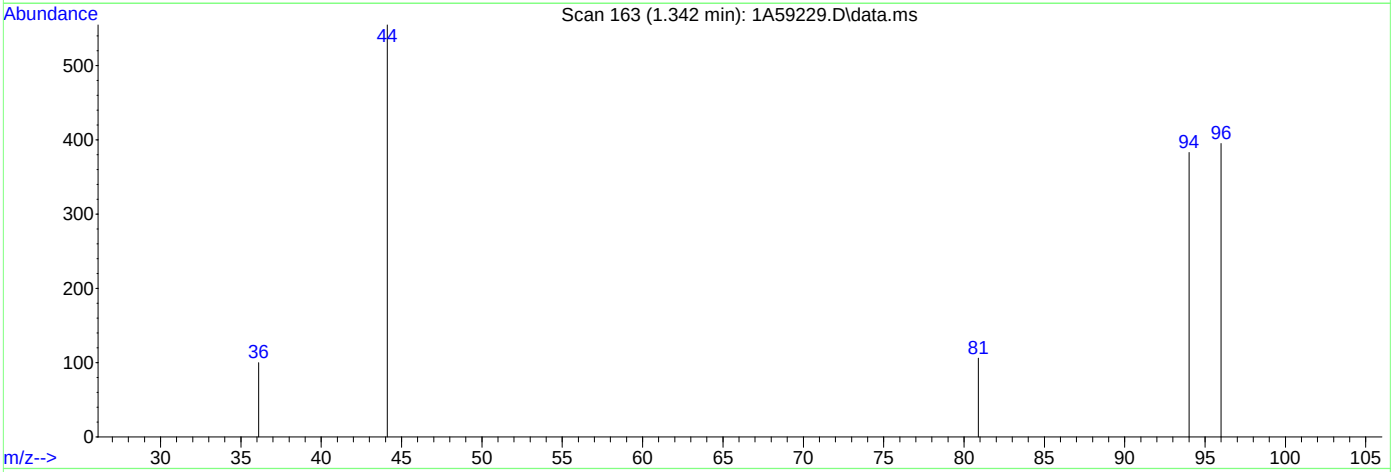
Ion	Exp%	Act%
93.90	100	0.00
95.90	94.10	0.00#
92.90	21.50	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59229.D
Acq On : 18 Sep 2024 8:10 am
Operator : jeniferw
Sample : IC3047-1 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 11:46:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59229.D\data.ms

(6) Bromomethane ( )

1.342min (+0.000) 0.70ug/L m

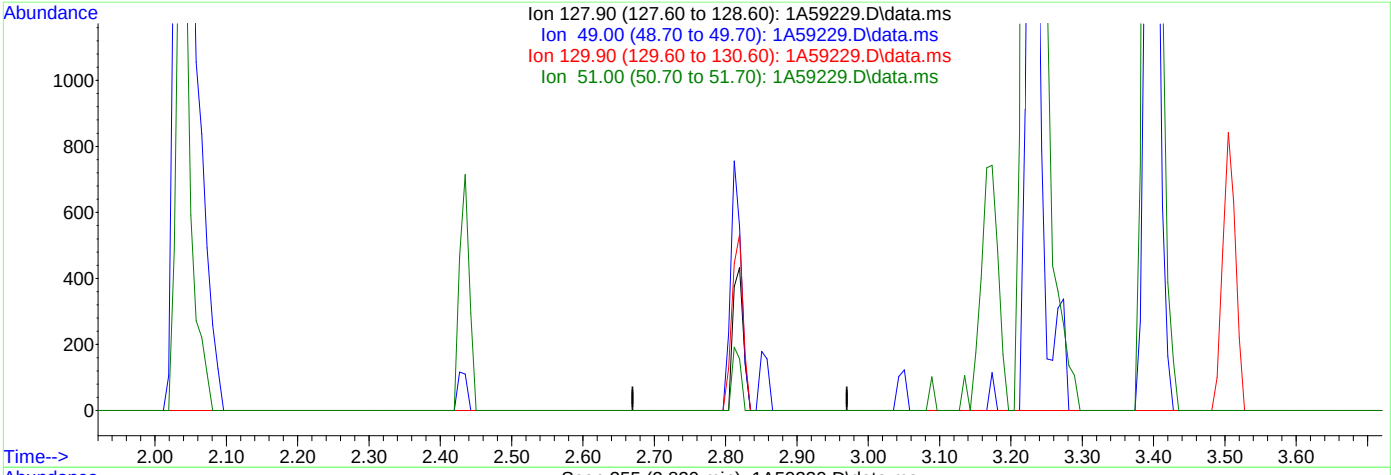
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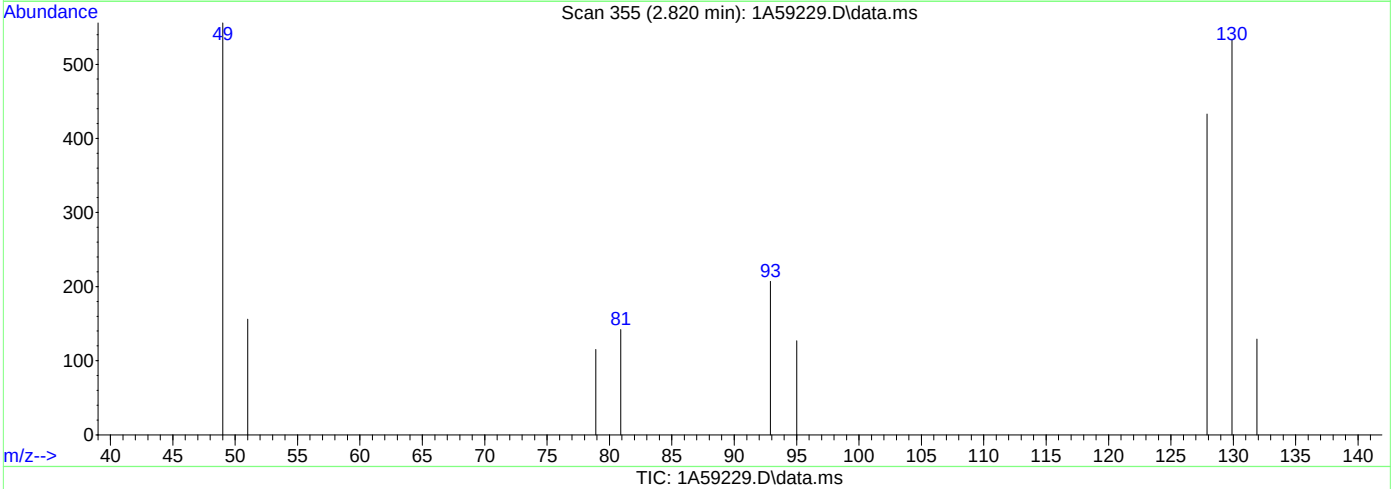
Ion	Exp%	Act%
93.90	100	100
95.90	94.10	103.13
92.90	21.50	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59229.D
Acq On : 18 Sep 2024 8:10 am
Operator : jeniferw
Sample : IC3047-1 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 11:46:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59229.D\data.ms

(34) Bromochloromethane ( )

2.820min (-2.820) 0.00ug/L

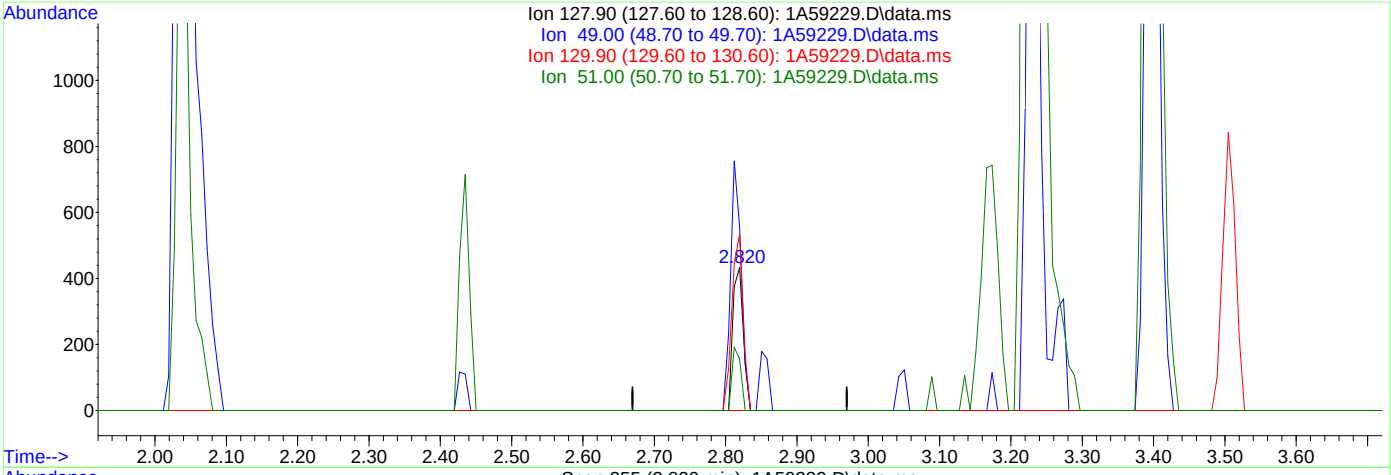
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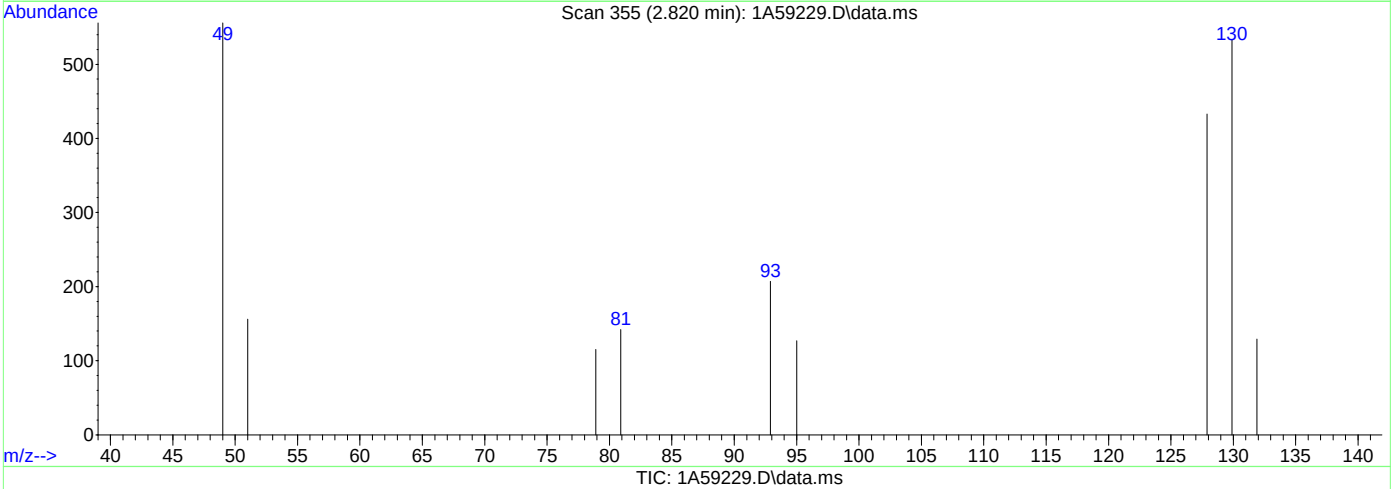
Ion	Exp%	Act%
127.90	100	0.00
49.00	163.10	0.00#
129.90	131.20	0.00#
51.00	50.20	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59229.D
Acq On : 18 Sep 2024 8:10 am
Operator : jeniferw
Sample : IC3047-1 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 11:46:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59229.D\data.ms

(34) Bromochloromethane ( )

2.820min (-0.000) 0.82ug/L m

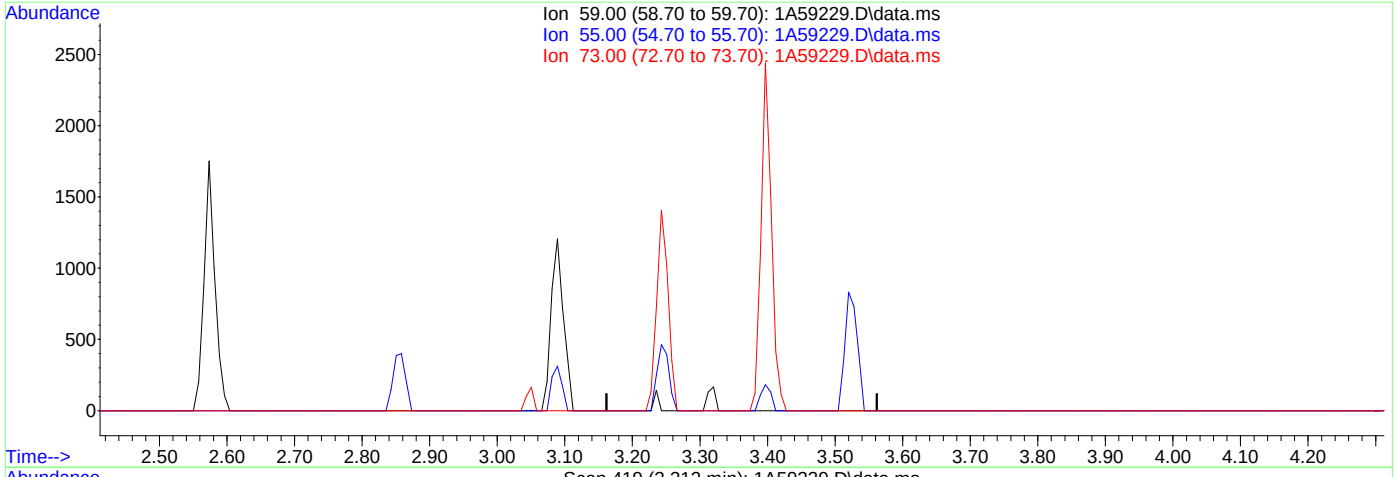
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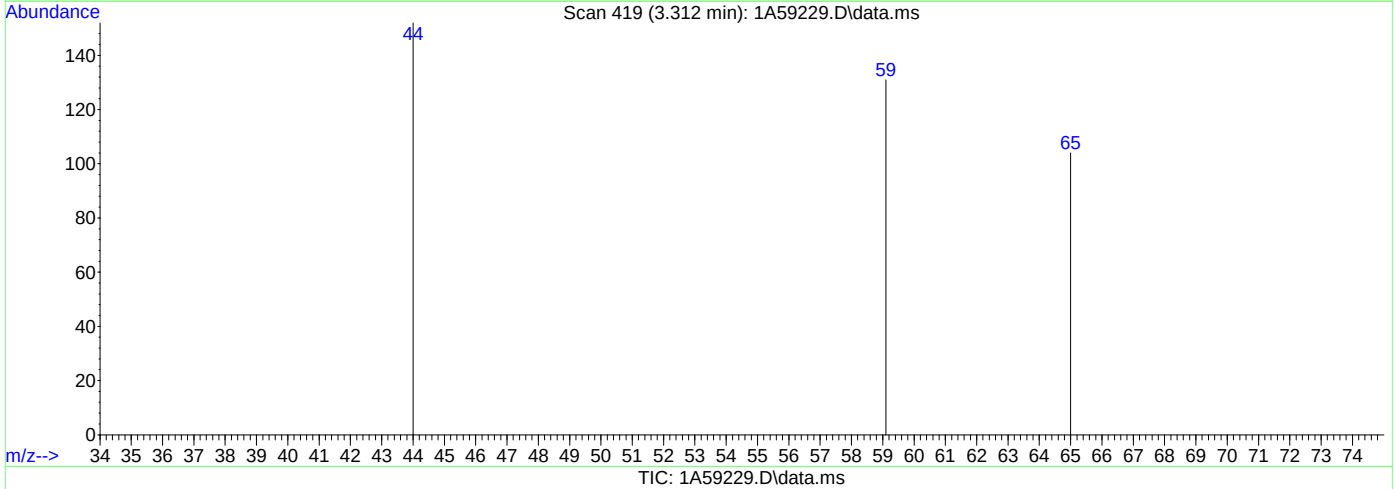
Ion	Exp%	Act%
127.90	100	100
49.00	163.10	128.41#
129.90	131.20	123.09
51.00	50.20	36.03

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59229.D
Acq On : 18 Sep 2024 8:10 am
Operator : jeniferw
Sample : IC3047-1 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 11:46:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59229.D\data.ms

(52) Tert Amyl Alcohol

3.312min (-3.312) 0.00ug/L

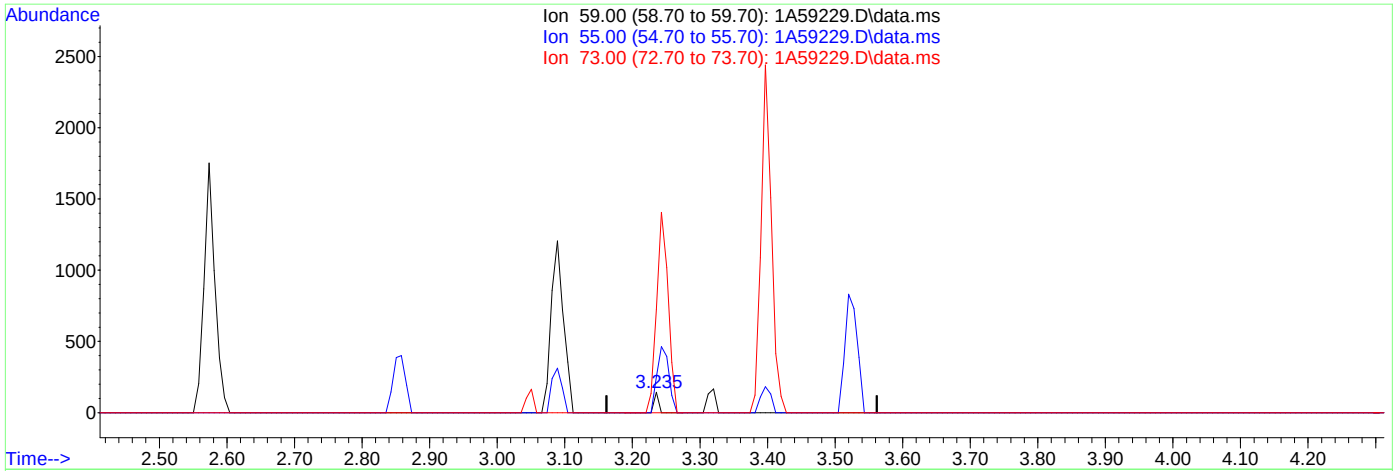
response 0

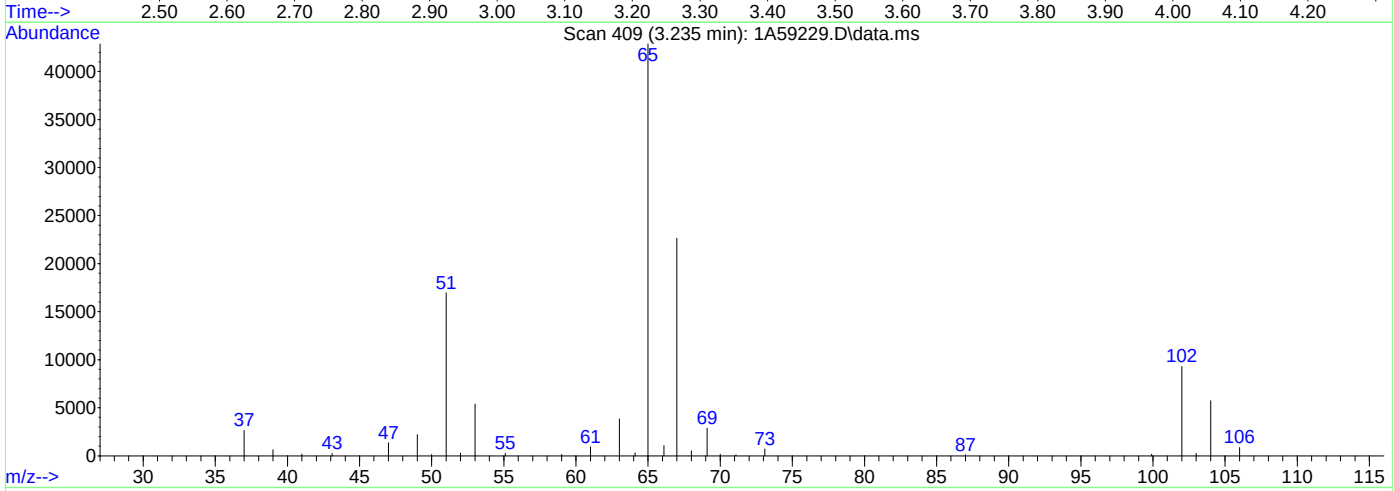
Ion	Exp%	Act%
59.00	100	0.00
55.00	59.30	0.00#
73.00	58.70	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59229.D
Acq On : 18 Sep 2024 8:10 am
Operator : jeniferw
Sample : IC3047-1 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 11:46:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59229.D\data.ms

(52) Tert Amyl Alcohol

3.235min (-0.077) 1.83ug/L m

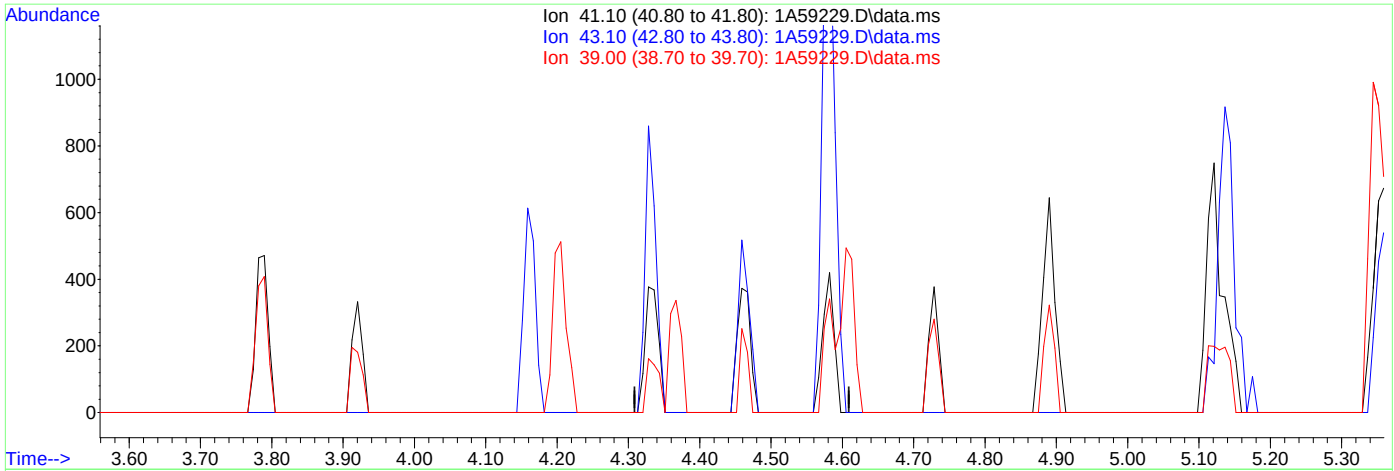
response 66

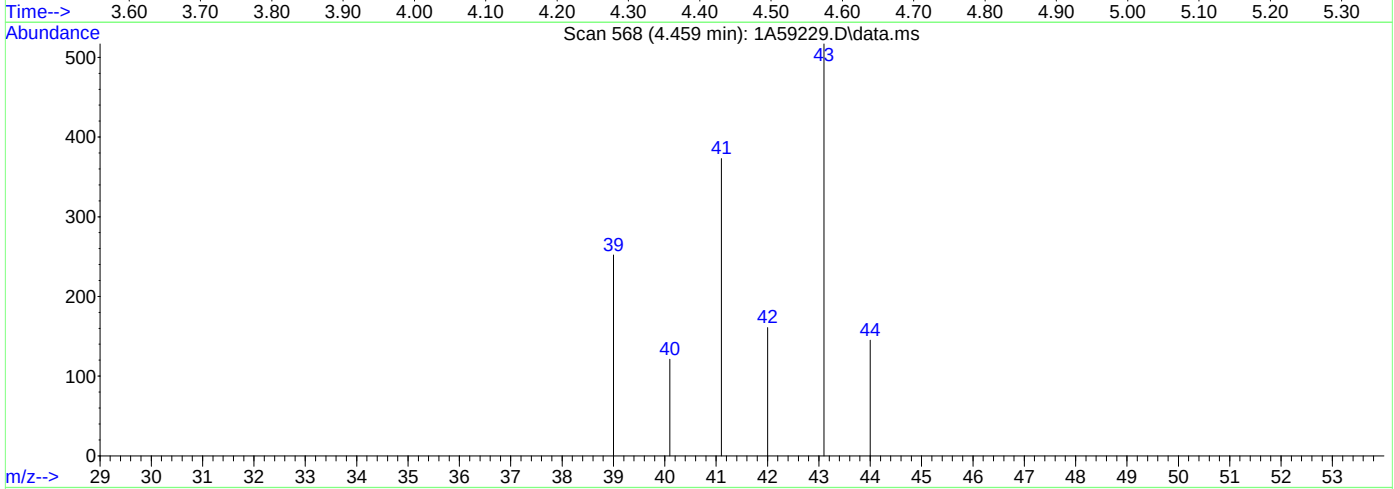
Ion	Exp%	Act%
59.00	100	100
55.00	59.30	176.76#
73.00	58.70	510.56#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59229.D
Acq On : 18 Sep 2024 8:10 am
Operator : jeniferw
Sample : IC3047-1 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 11:46:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59229.D\data.ms

(65) 2-Nitropropane

4.459min (-4.459) 0.00ug/L

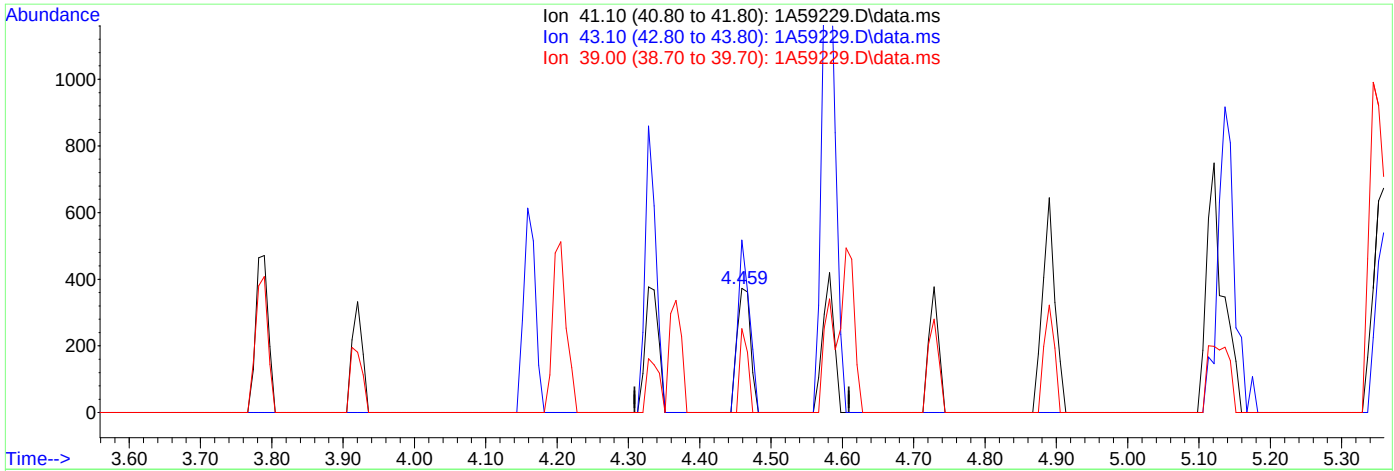
response 0

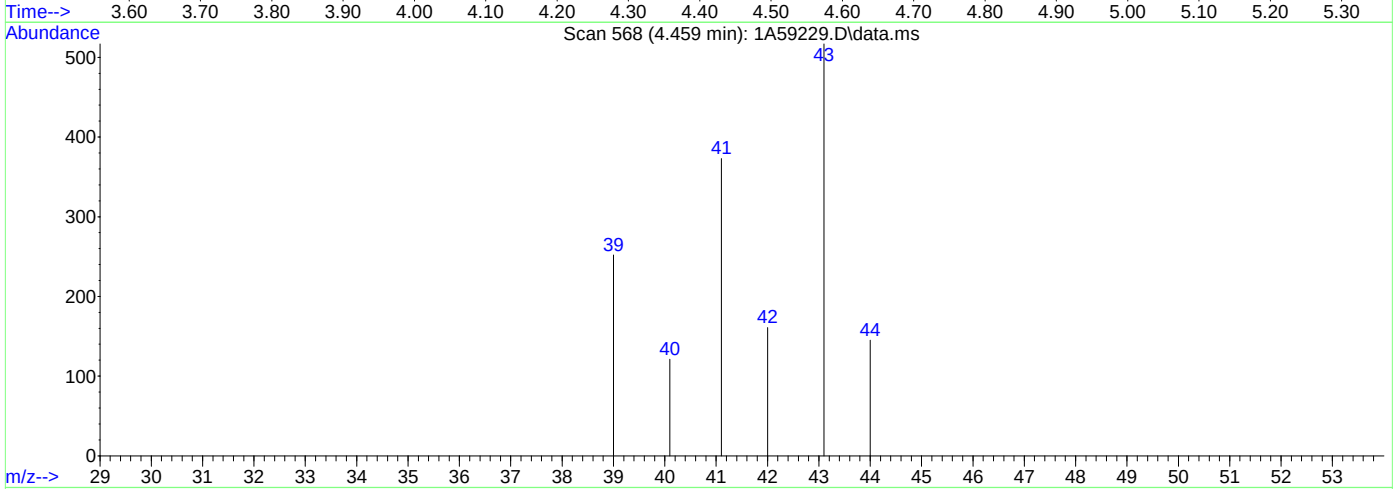
Ion	Exp%	Act%
41.10	100	0.00
43.10	111.50	0.00#
39.00	37.80	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59229.D
Acq On : 18 Sep 2024 8:10 am
Operator : jeniferw
Sample : IC3047-1 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 11:46:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59229.D\data.ms

(65) 2-Nitropropane

4.459min (+0.000) 3.58ug/L m

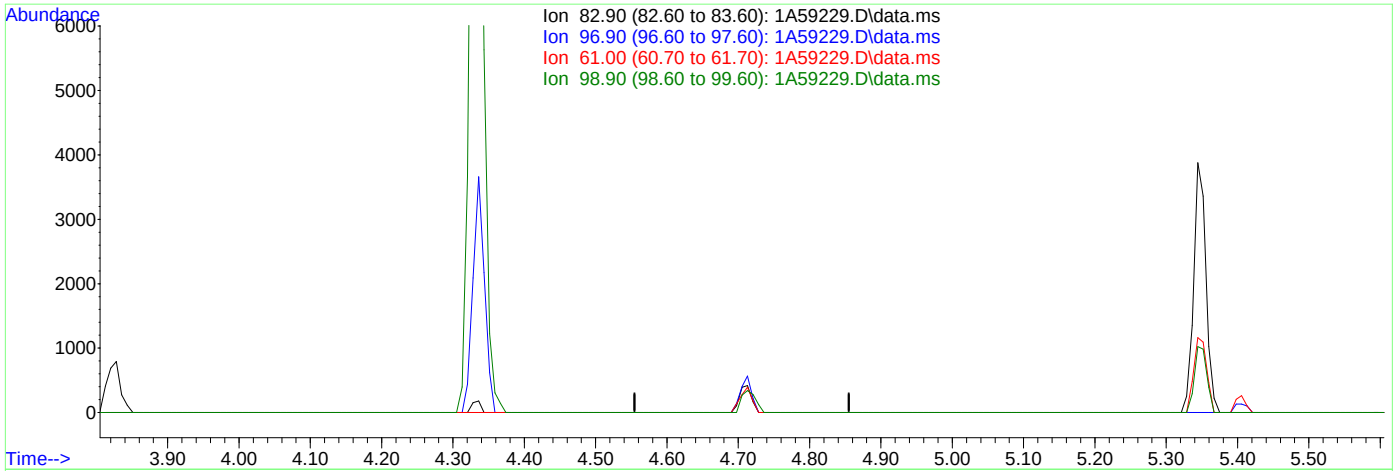
response 496

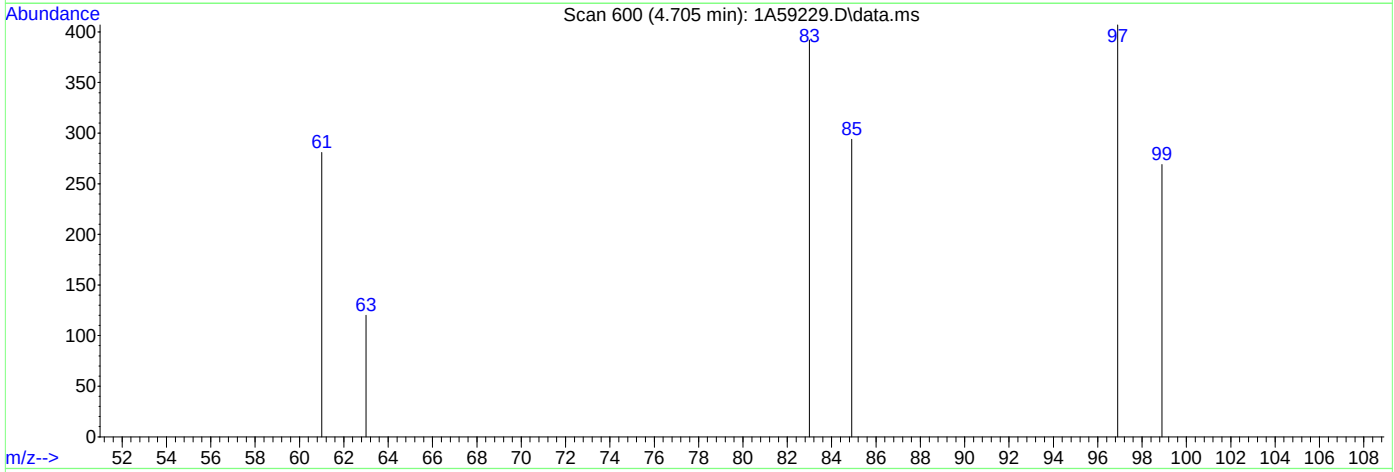
Ion	Exp%	Act%
41.10	100	100
43.10	111.50	138.61#
39.00	37.80	67.56#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59229.D
Acq On : 18 Sep 2024 8:10 am
Operator : jeniferw
Sample : IC3047-1 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 11:46:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59229.D\data.ms

(70) 1,1,2-Trichloroethane ( )

4.705min (-4.705) 0.00ug/L

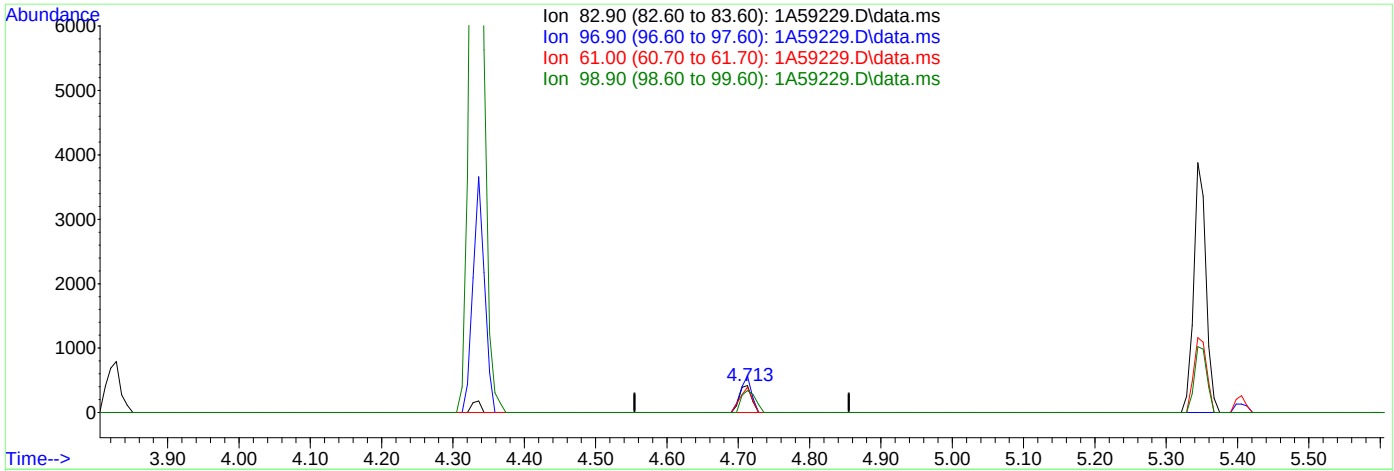
response 0

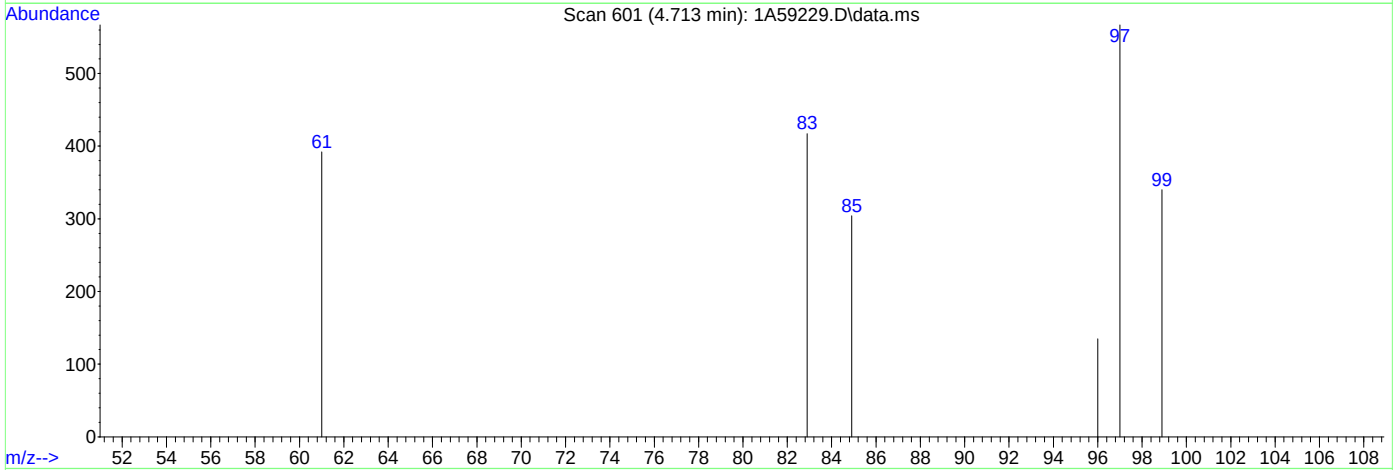
Ion	Exp%	Act%
82.90	100	0.00
96.90	113.30	0.00#
61.00	79.50	0.00#
98.90	69.10	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59229.D
Acq On : 18 Sep 2024 8:10 am
Operator : jeniferw
Sample : IC3047-1 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 11:46:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59229.D\data.ms

(70) 1,1,2-Trichloroethane ( )

4.713min (+0.008) 0.81ug/L m

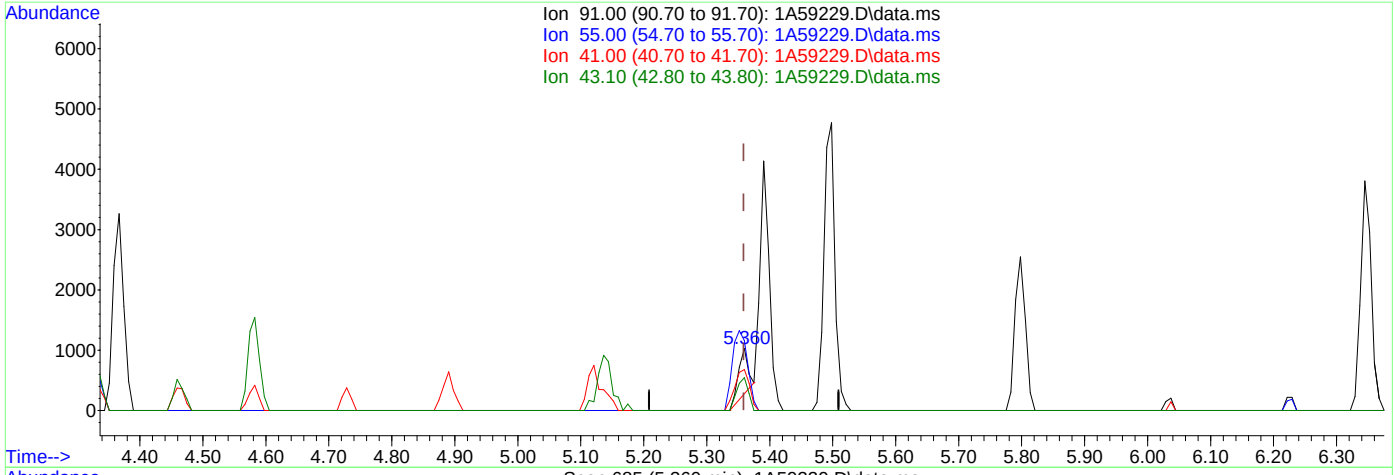
response 498

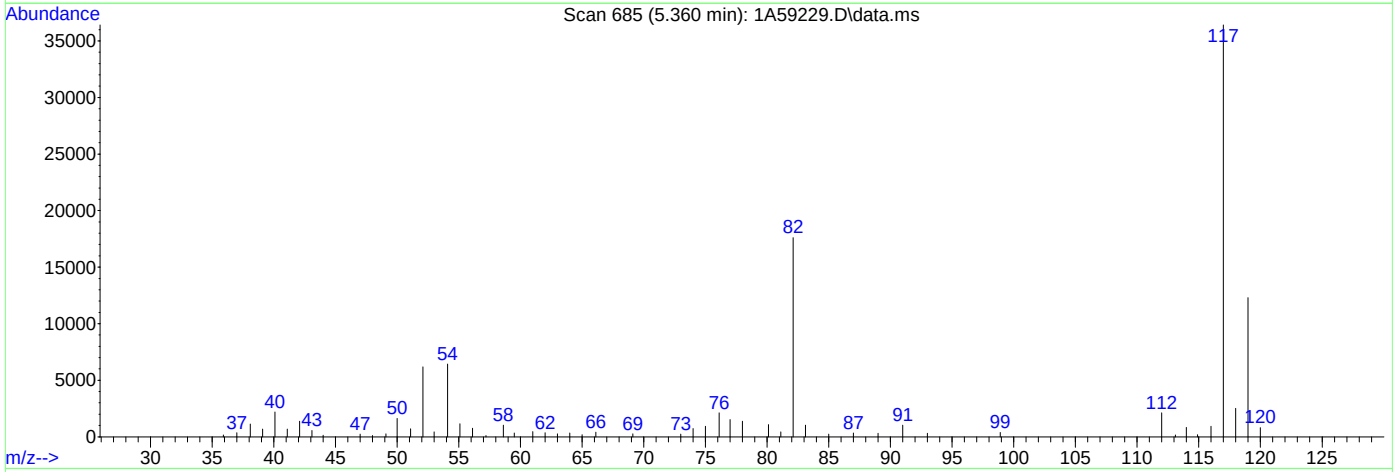
Ion	Exp%	Act%
82.90	100	100
96.90	113.30	135.97
61.00	79.50	94.00
98.90	69.10	81.53

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59229.D
Acq On : 18 Sep 2024 8:10 am
Operator : jeniferw
Sample : IC3047-1 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 11:46:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59229.D\data.ms

(76) 1-Chlorohexane

5.360min (+0.001) 0.57ug/L

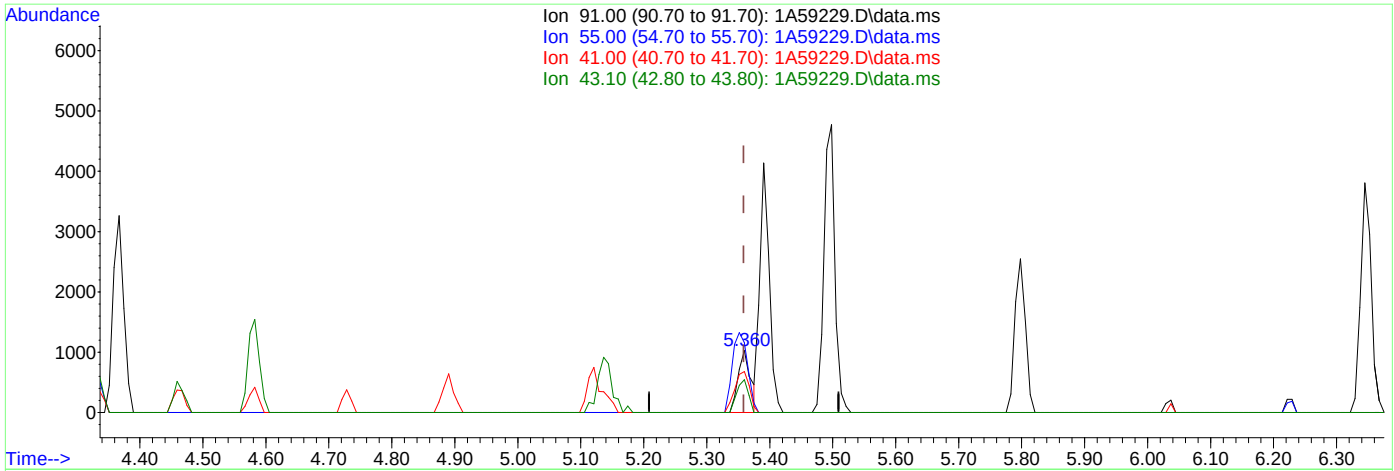
response 884

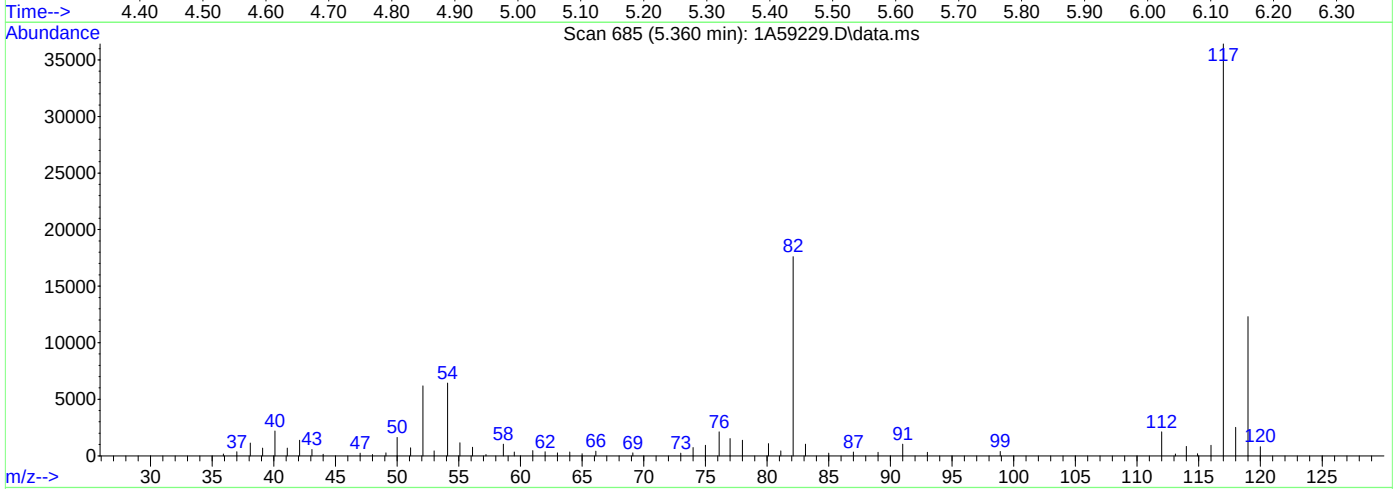
Ion	Exp%	Act%
91.00	100	100
55.00	77.50	96.98
41.00	62.80	55.74
43.10	51.70	53.11

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59229.D
Acq On : 18 Sep 2024 8:10 am
Operator : jeniferw
Sample : IC3047-1 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 11:46:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59229.D\data.ms

(76) 1-Chlorohexane

5.360min (+0.001) 0.91ug/L m

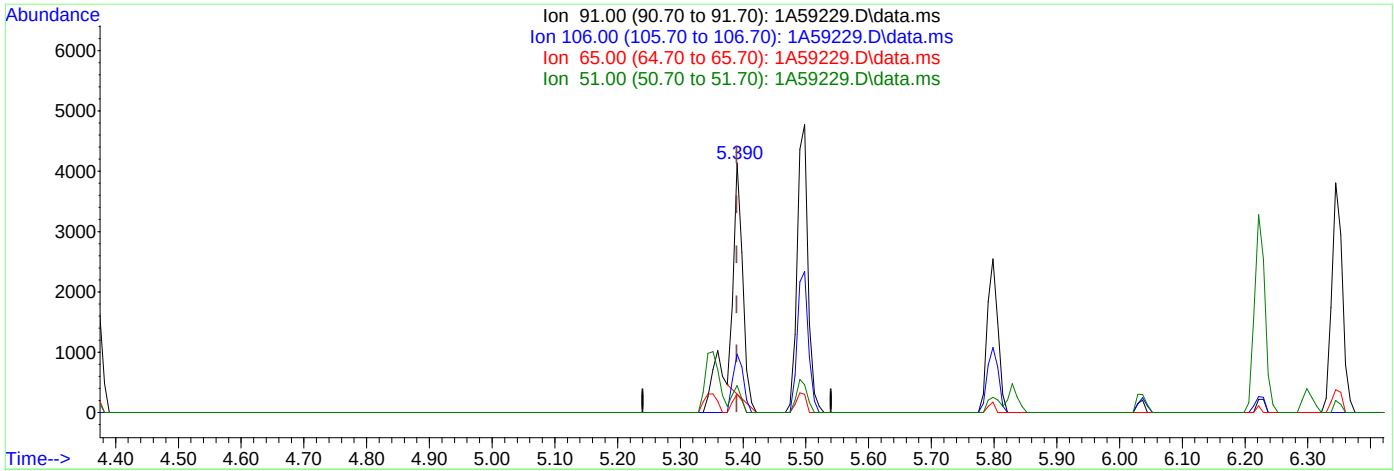
response 1420

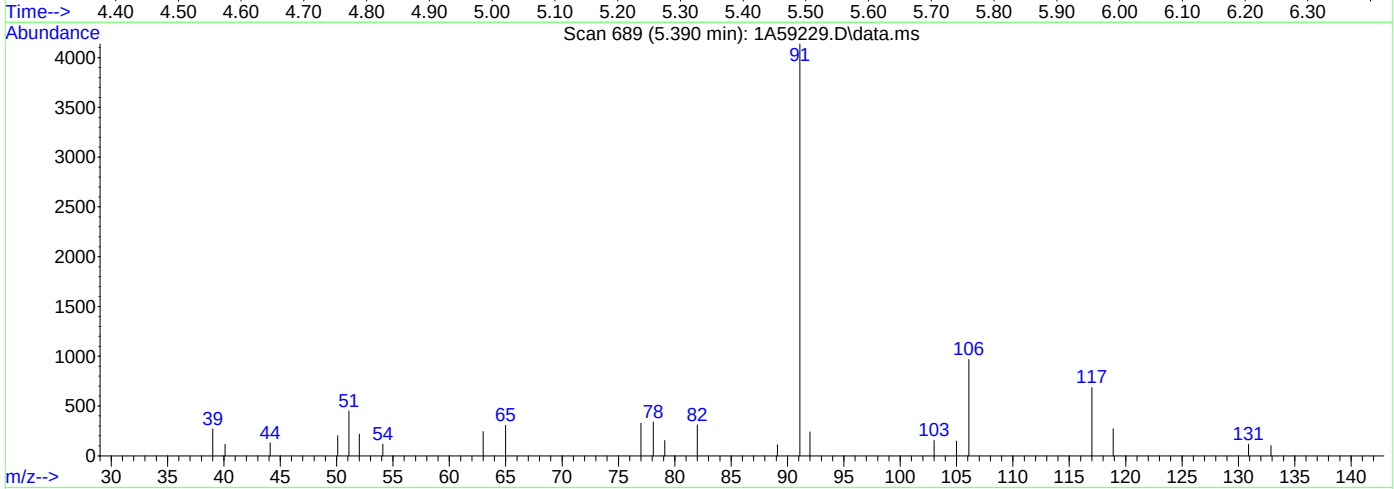
Ion	Exp%	Act%
91.00	100	100
55.00	77.50	112.55#
41.00	62.80	65.95
43.10	51.70	53.11

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59229.D
Acq On : 18 Sep 2024 8:10 am
Operator : jeniferw
Sample : IC3047-1 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 11:46:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59229.D\data.ms

(77) Ethylbenzene

5.390min (+0.000) 0.82ug/L

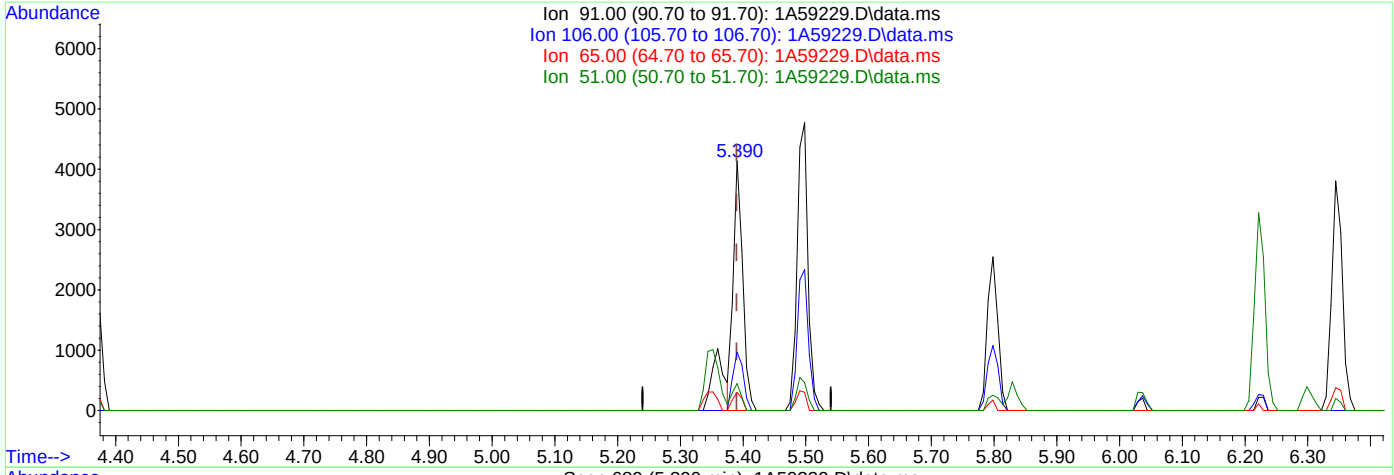
response 3722

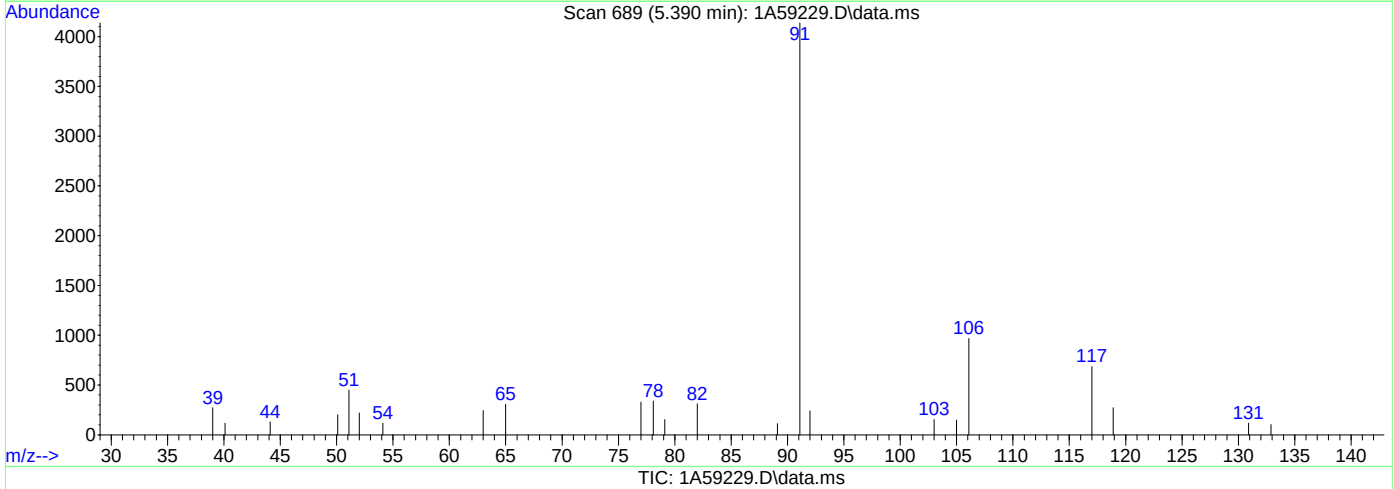
Ion	Exp%	Act%
91.00	100	100
106.00	29.70	23.39
65.00	9.20	7.39
51.00	10.90	10.85

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59229.D
Acq On : 18 Sep 2024 8:10 am
Operator : jeniferw
Sample : IC3047-1 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 11:46:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59229.D\data.ms

(77) Ethylbenzene

5.390min (+0.000) 0.96ug/L m

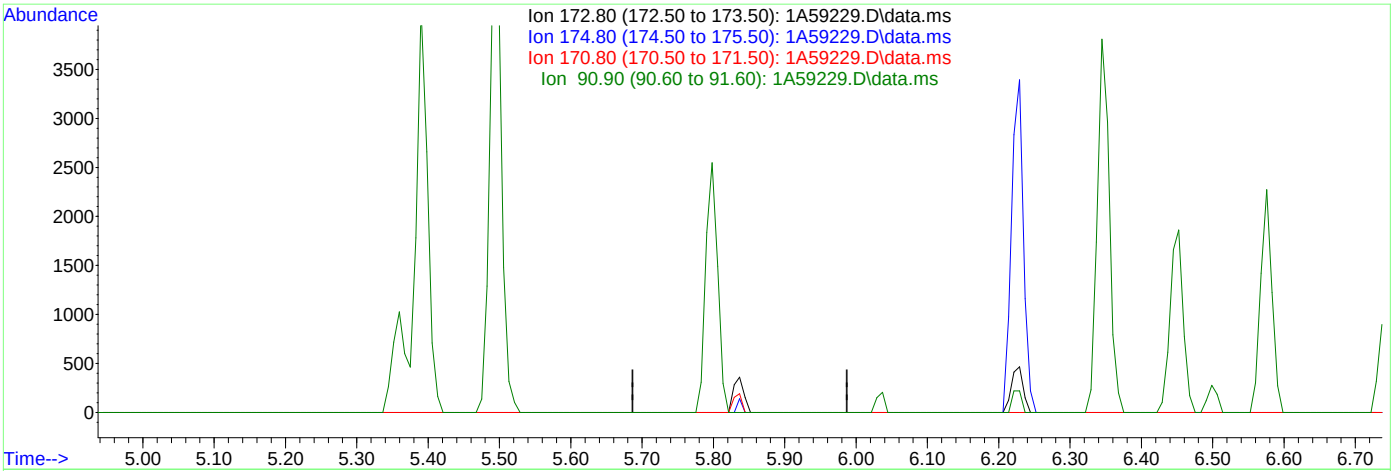
response 4364

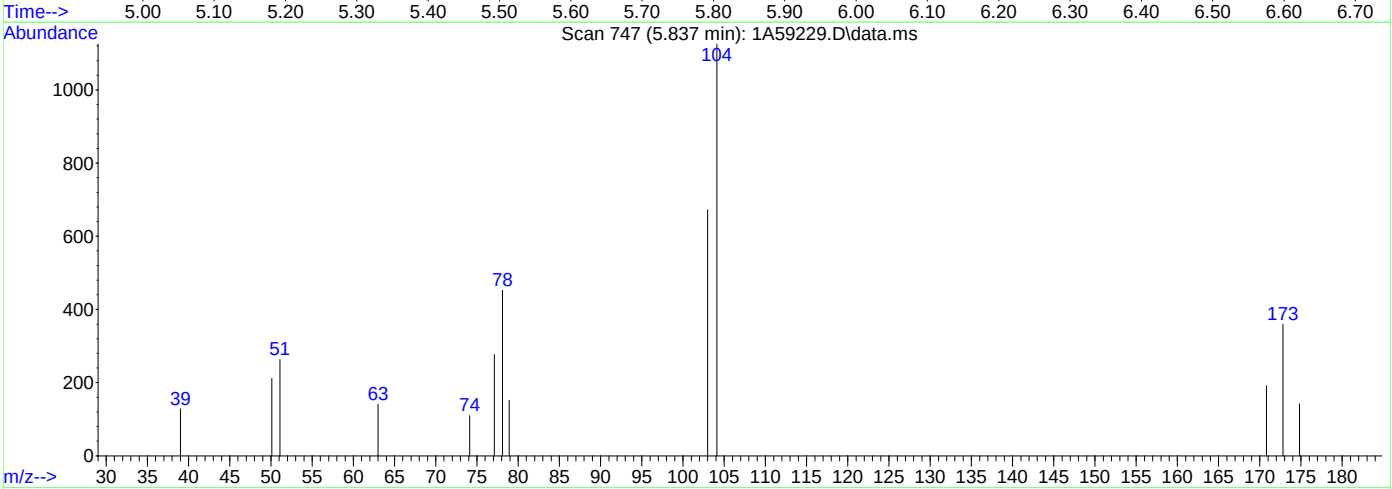
Ion	Exp%	Act%
91.00	100	100
106.00	29.70	23.39
65.00	9.20	7.39
51.00	10.90	10.85

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59229.D
Acq On : 18 Sep 2024 8:10 am
Operator : jeniferw
Sample : IC3047-1 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 11:46:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59229.D\data.ms

(83) Bromoform

5.837min (-5.837) 0.00ug/L

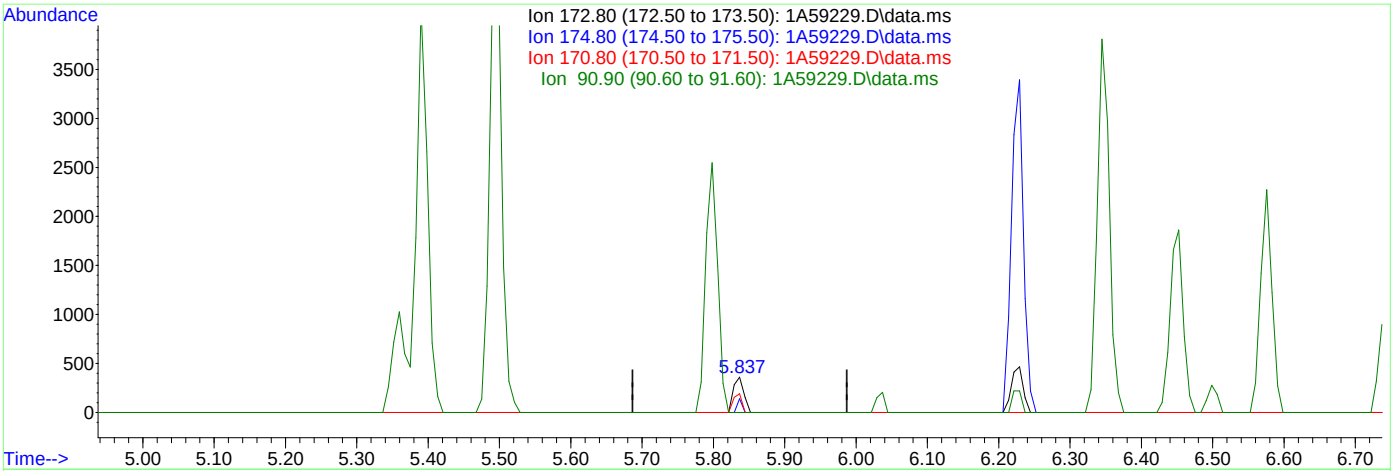
response 0

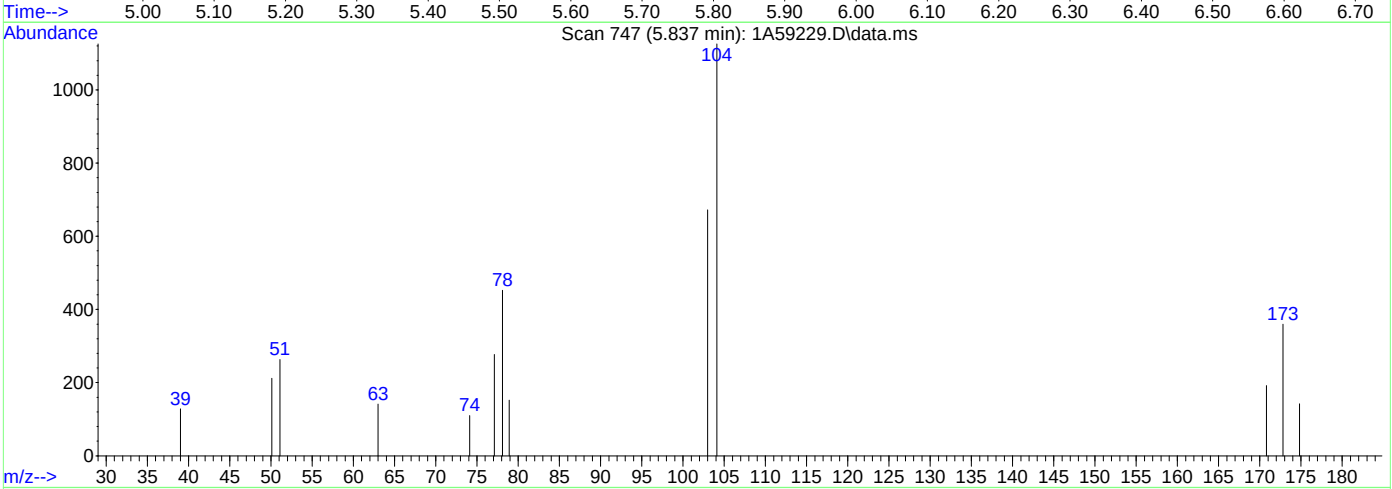
Ion	Exp%	Act%
172.80	100	0.00
174.80	48.10	0.00#
170.80	52.50	0.00#
90.90	20.40	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59229.D
Acq On : 18 Sep 2024 8:10 am
Operator : jeniferw
Sample : IC3047-1 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 11:46:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59229.D\data.ms

(83) Bromoform

5.837min (-0.000) 0.82ug/L m

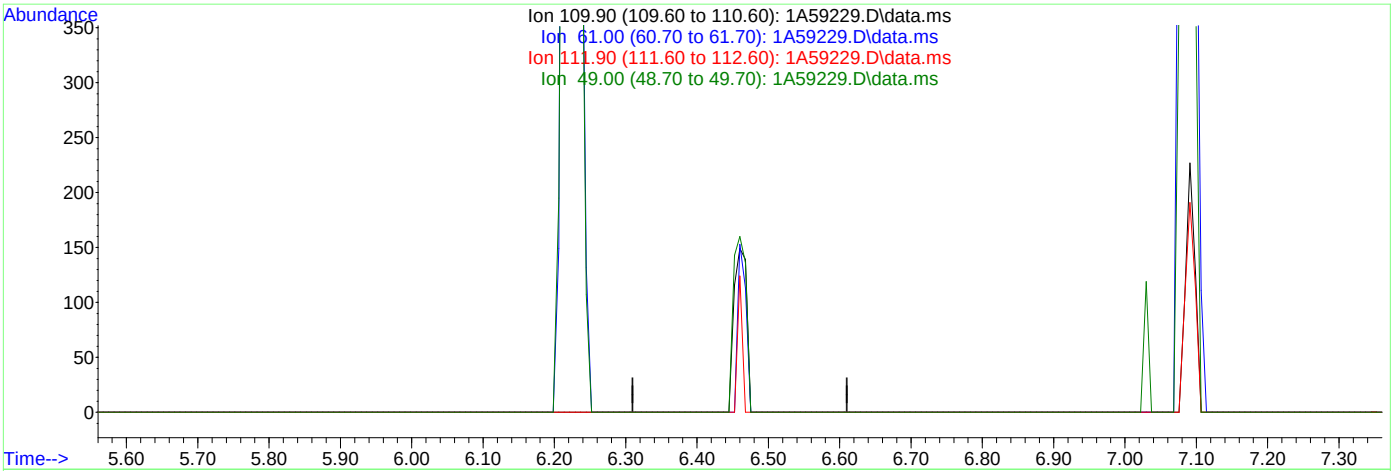
response 368

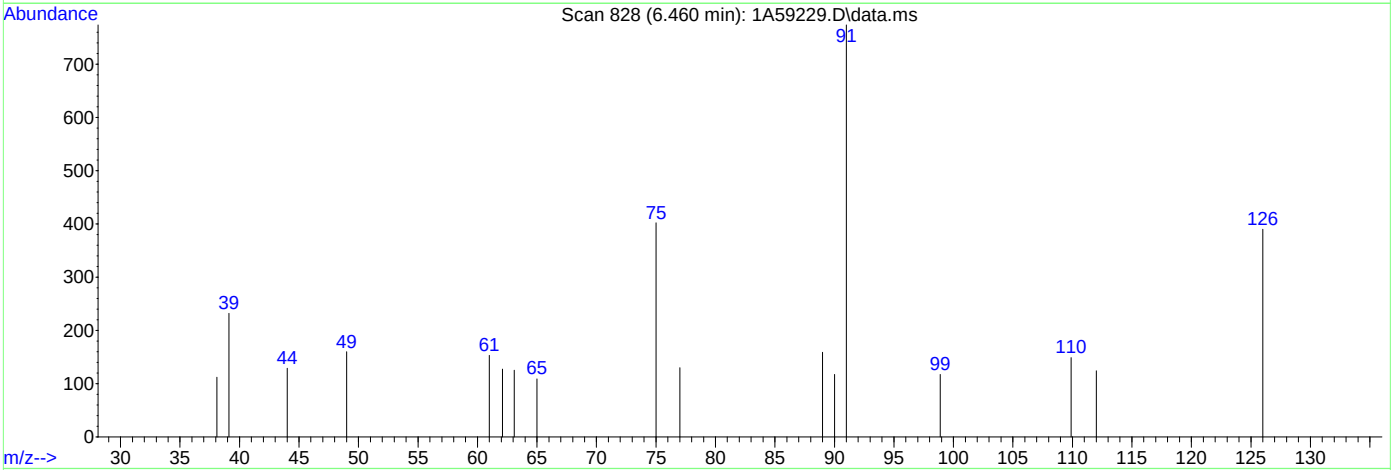
Ion	Exp%	Act%
172.80	100	100
174.80	48.10	39.44
170.80	52.50	53.33
90.90	20.40	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59229.D
Acq On : 18 Sep 2024 8:10 am
Operator : jeniferw
Sample : IC3047-1 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 11:46:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59229.D\data.ms

(94) 1,2,3-Trichloropropane ( )

6.460min (-6.460) 0.00ug/L

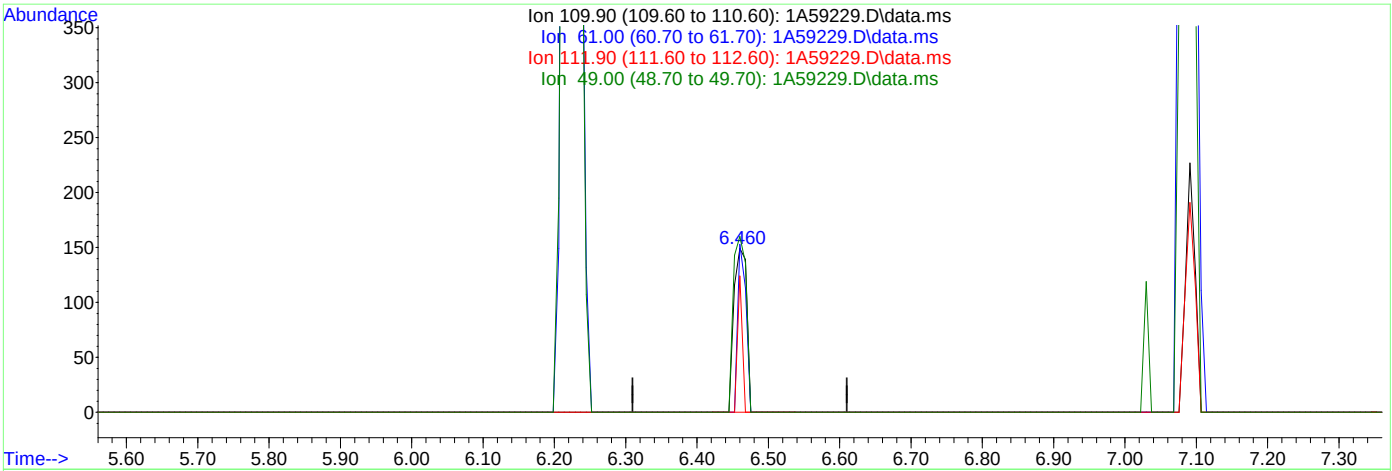
response 0

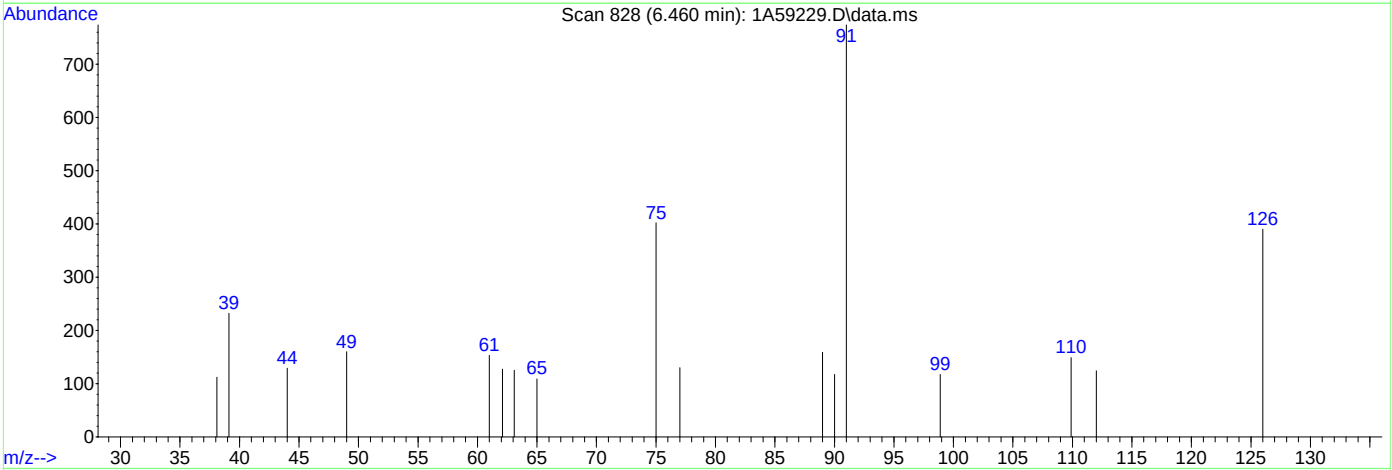
Ion	Exp%	Act%
109.90	100	0.00
61.00	84.10	0.00#
111.90	67.50	0.00#
49.00	69.70	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59229.D
Acq On : 18 Sep 2024 8:10 am
Operator : jeniferw
Sample : IC3047-1 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 11:46:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59229.D\data.ms

(94) 1,2,3-Trichloropropane ( )

6.460min (+0.000) 0.94ug/L m

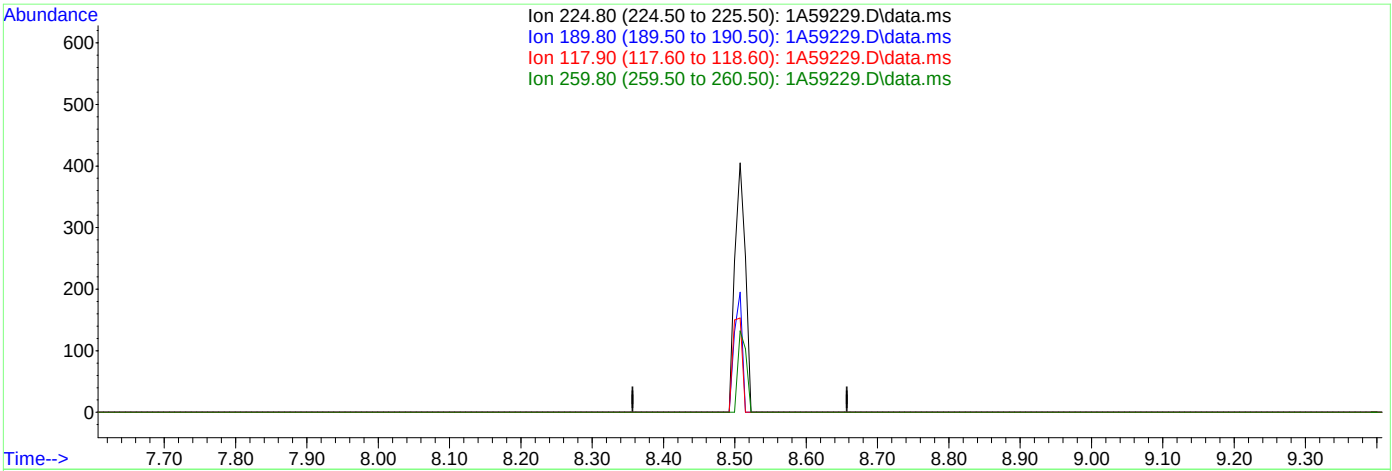
response 187

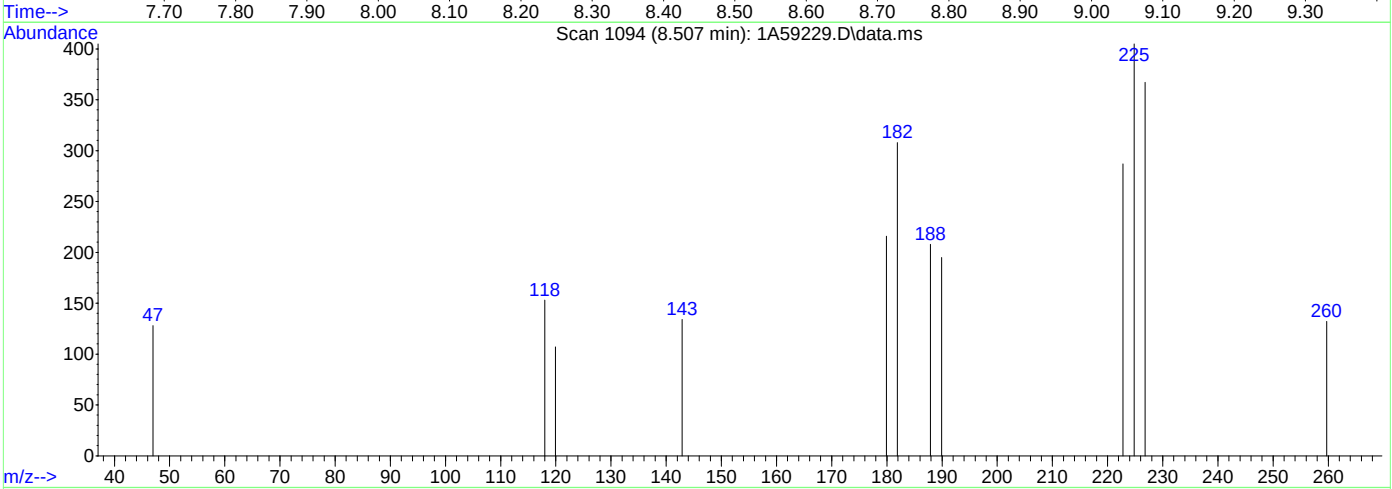
Ion	Exp%	Act%
109.90	100	100
61.00	84.10	102.68
111.90	67.50	83.22
49.00	69.70	107.38#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59229.D
Acq On : 18 Sep 2024 8:10 am
Operator : jeniferw
Sample : IC3047-1 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 11:46:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59229.D\data.ms

(109) Hexachlorobutadiene ( )

8.507min (-8.507) 0.00ug/L

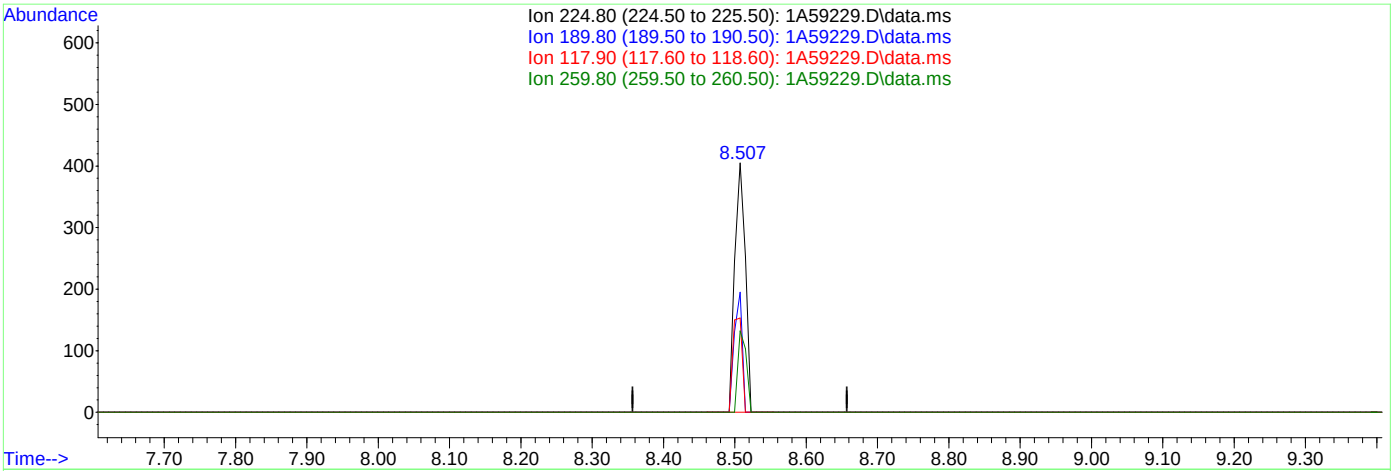
response 0

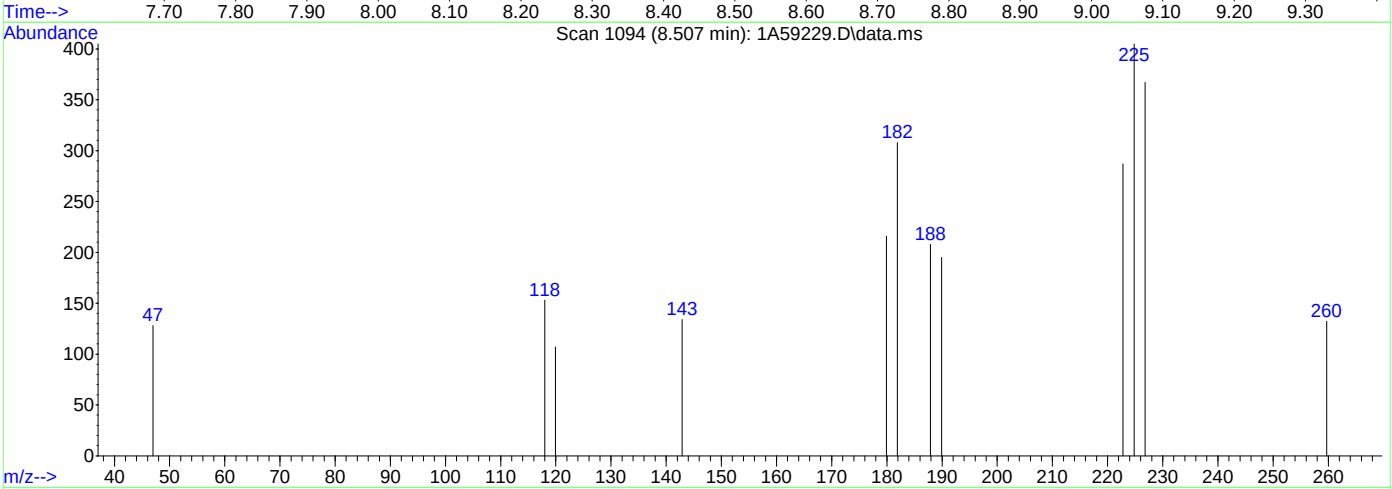
Ion	Exp%	Act%
224.80	100	0.00
189.80	42.00	0.00#
117.90	31.40	0.00#
259.80	31.50	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59229.D
Acq On : 18 Sep 2024 8:10 am
Operator : jeniferw
Sample : IC3047-1 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 11:46:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59229.D\data.ms

(109) Hexachlorobutadiene ( )

8.507min (+0.000) 0.99ug/L m

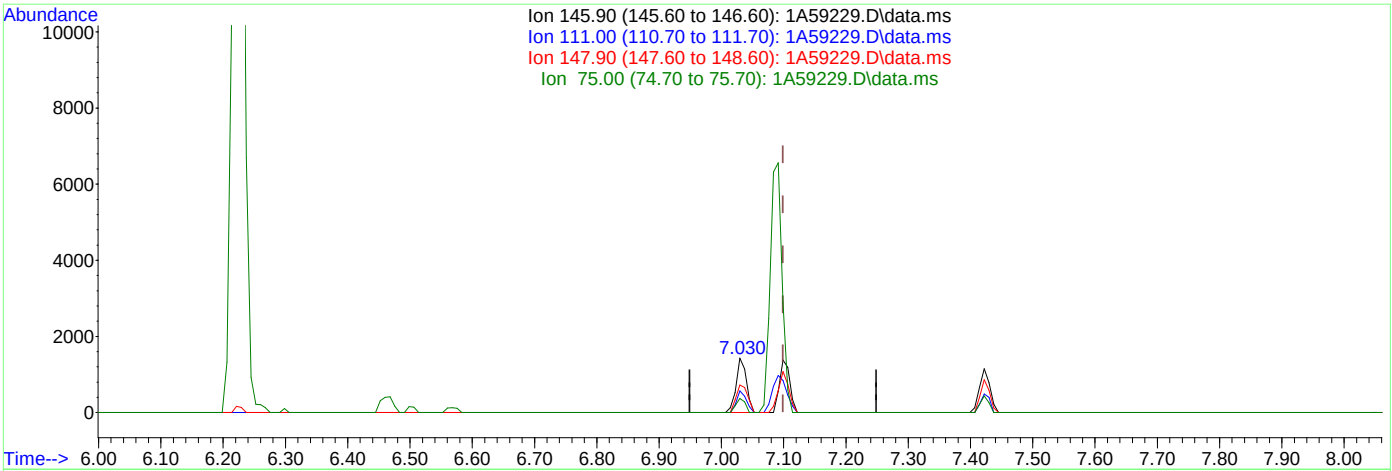
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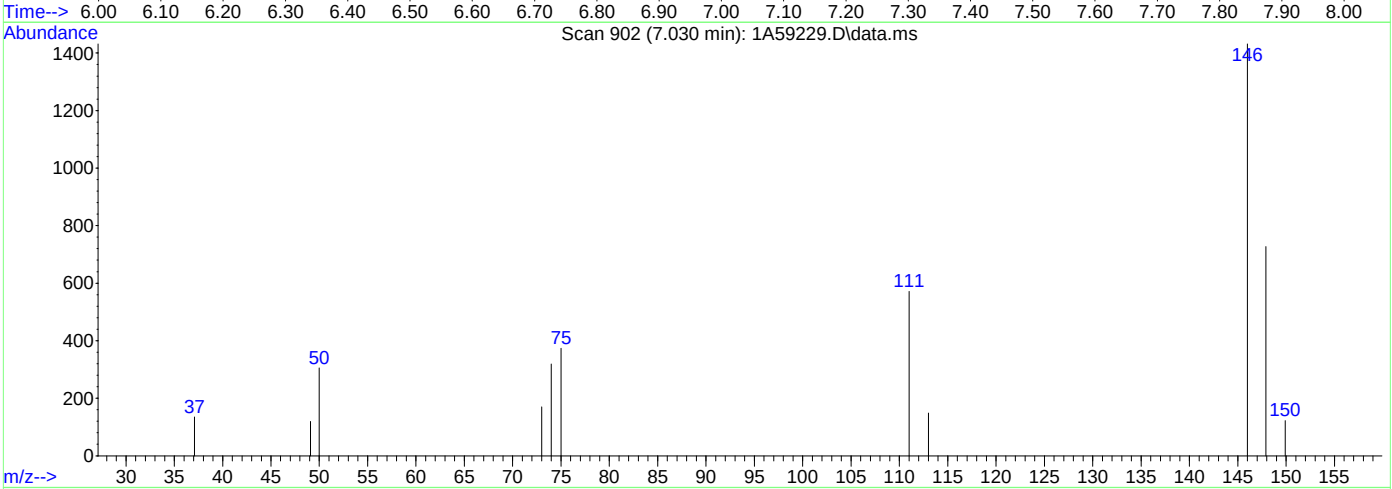
Ion	Exp%	Act%
224.80	100	100
189.80	42.00	48.15
117.90	31.40	37.78
259.80	31.50	32.59

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59229.D
Acq On : 18 Sep 2024 8:10 am
Operator : jeniferw
Sample : IC3047-1 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 11:46:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59229.D\data.ms

(104) 1,4-Dichlorobenzene

7.030min (-0.069) 0.93ug/L

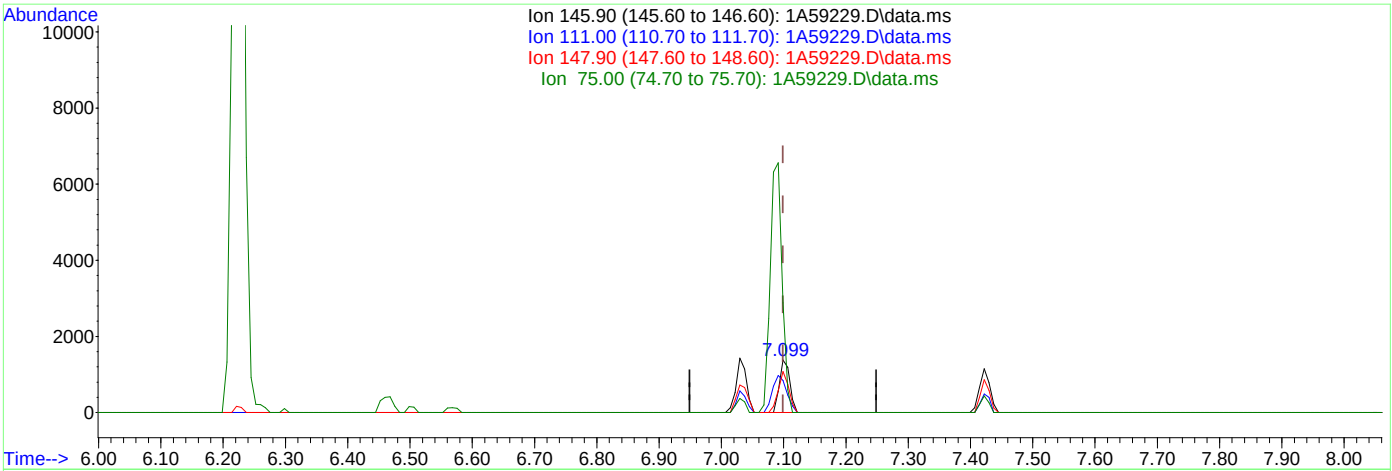
response 1652

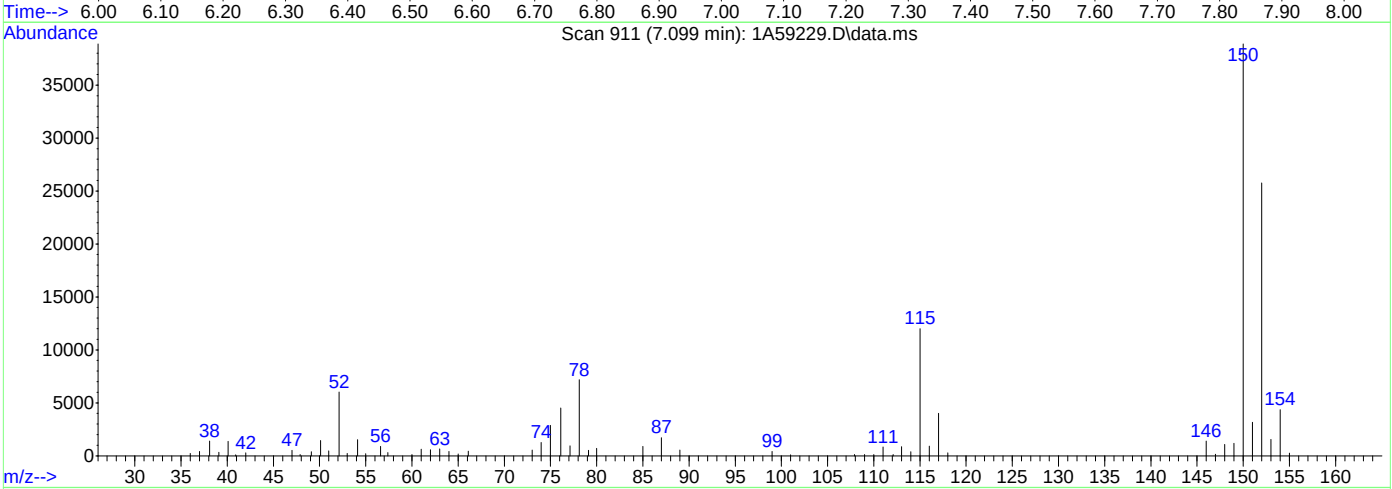
Ion	Exp%	Act%
145.90	100	100
111.00	41.10	39.87
147.90	64.40	50.77
75.00	33.80	26.12

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59229.D
Acq On : 18 Sep 2024 8:10 am
Operator : jeniferw
Sample : IC3047-1 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 11:46:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59229.D\data.ms

(104) 1,4-Dichlorobenzene

7.099min (-0.000) 0.91ug/L m

response 1602

Ion	Exp%	Act%
145.90	100	100
111.00	41.10	61.13
147.90	64.40	78.03
75.00	33.80	208.85#

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/18/24 15:09

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59231.D
Acq On : 18 Sep 2024 8:42 am
Operator : jeniferw
Sample : IC3047-8 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 12:09:41 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	3.397	96	190674	50.00	ug/L		0.00
62) Chlorobenzene-d5	5.344	117	135457	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	7.083	152	69429	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	2.950	113	55972	51.04	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.08%				
49) 1,2-Dichloroethane-d4	3.235	65	61584	49.00	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 98.00%				
63) Toluene-d8	4.328	98	189362	50.58	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 101.16%				
86) 4-Bromofluorobenzene	6.221	174	56777	49.67	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.34%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.019	85	2158	1.66	ug/L		98
3) Chloromethane	1.126	50	2172	1.71	ug/L		90
4) 1,3-butadiene	1.180	39	2038	1.75	ug/L		95
5) Vinyl Chloride	1.173	62	2322	1.85	ug/L		88
6) Bromomethane	1.342	94	965	1.88	ug/L		89
7) Chloroethane	1.411	64	1870	2.59	ug/L		95
8) Trichlorofluoromethane	1.496	101	3437	2.14	ug/L		91
9) Ethyl Ether	1.650	59	1426	1.84	ug/L		94
11) 1,2-Dichlorotrifluoroe...	1.742	67	2350	1.96	ug/L		94
12) 1,1-Dichloroethene	1.758	61	3108	1.99	ug/L		92
13) Freon 113	1.781	101	2058	2.12	ug/L		94
14) Carbon Disulfide	1.781	76	6186	2.04	ug/L		98
15) Iodomethane	1.827	142	725m	1.24	ug/L		
16) Acrolein	1.904	56	1047	8.05	ug/L		90
17) Allyl chloride	1.988	41	2659	1.66	ug/L		89
18) Methylene Chloride	2.042	49	9339	6.65	ug/L		90
19) Acetone	2.050	43	2072	10.84	ug/L		98
20) Methyl acetate	2.119	43	4961	8.85	ug/L		96
21) trans-1,2-Dichloroethene	2.135	61	2948	1.96	ug/L		89
22) Hexane	2.196	56	1835	1.83	ug/L	#	76
23) Methyl Tert Butyl Ether	2.189	73	4204	1.88	ug/L	#	75
24) Acetonitrile	2.273	41	2439	33.13	ug/L		93
25) Tert Butyl Alcohol	2.204	59	848	17.66	ug/L	#	28
26) Di-isopropyl ether	2.389	45	5470	1.66	ug/L		92
27) Chloroprene	2.435	53	5610	1.83	ug/L		99
28) 1,1-Dichloroethane	2.435	63	3938	2.02	ug/L		93
29) Acrylonitrile	2.435	52	2908	9.22	ug/L		96
30) ETBE	2.573	59	4724	1.64	ug/L		99
31) Vinyl acetate	2.558	43	15516	8.42	ug/L		93
32) cis-1,2-Dichloroethene	2.720	96	2185	2.05	ug/L	#	82
33) 2,2-Dichloropropane	2.781	77	2716	1.93	ug/L		96
34) Bromochloromethane	2.820	128	1066	2.03	ug/L		98
35) Cyclohexane	2.858	56	3454	1.79	ug/L	#	84
36) Chloroform	2.858	83	4061	2.10	ug/L		96
37) Ethyl acetate	2.912	43	6215	8.85	ug/L		96
38) Tetrahydrofuran	2.950	42	419m	1.92	ug/L		
40) Carbon Tetrachloride	2.958	117	2881m	2.03	ug/L		
41) 1,1,1-Trichloroethane	2.981	97	3160	1.99	ug/L		96
42) 2-Butanone	2.997	43	2983	9.39	ug/L		100
43) 1,1-Dichloropropene	3.051	75	2517	2.03	ug/L		97
44) tert-Butyl formate	3.089	59	3715	7.38	ug/L	#	79
45) Propionitrile	3.135	54	1716	17.85	ug/L		94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59231.D
Acq On : 18 Sep 2024 8:42 am
Operator : jeniferw
Sample : IC3047-8 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 12:09:41 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Methacrylonitrile	3.158	41	8383	17.29	ug/L		96
47) Benzene	3.174	78	7985	1.99	ug/L		96
48) TAME	3.243	73	4064	1.85	ug/L		93
50) 1,2-Dichloroethane	3.266	62	2799	1.99	ug/L		96
51) Isobutyl Alcohol	3.243	43	2215	36.47	ug/L		78
52) Tert Amyl Alcohol	3.320	59	438m	12.44	ug/L		
53) Trichloroethene	3.505	95	2361	2.13	ug/L		95
54) Methylcyclohexane	3.528	83	3250	1.91	ug/L		97
55) Dibromomethane	3.728	93	1234	2.08	ug/L		95
56) 1,2-Dichloropropane	3.789	63	2139	1.99	ug/L		94
57) Bromodichloromethane	3.820	83	2535	1.90	ug/L		96
58) Methyl methacrylate	3.913	41	1029	1.61	ug/L		92
60) 2-Chloroethyl vinyl ether	4.159	63	2516	6.21	ug/L		92
61) cis-1,3-Dichloropropene	4.205	75	2758	1.84	ug/L		97
64) Toluene	4.367	91	8638	2.08	ug/L		99
65) 2-Nitropropane	4.459	41	1305	9.29	ug/L		93
66) 4-Methyl-2-pentanone	4.574	43	5890	8.67	ug/L		97
67) trans-1,3-Dichloropropene	4.605	75	2240	1.76	ug/L		97
68) Tetrachloroethene	4.628	166	2245	2.13	ug/L		96
69) Ethyl methacrylate	4.721	69	1346	1.54	ug/L		85
70) 1,1,2-Trichloroethane	4.705	83	1333	2.15	ug/L		93
71) Dibromochloromethane	4.836	129	1570	1.86	ug/L		96
72) 1,3-Dichloropropane	4.890	76	2512	1.92	ug/L		90
73) 1,2-Dibromoethane	4.990	107	1497	2.08	ug/L		91
74) 3,3-Dimethyl-1-Butanol	5.113	57	4145	92.64	ug/L		95
75) 2-hexanone	5.136	43	4153	7.95	ug/L		89
76) 1-Chlorohexane	5.359	91	3043m	1.93	ug/L		
77) Ethylbenzene	5.390	91	9522m	2.08	ug/L		
78) Chlorobenzene	5.359	112	5598	2.13	ug/L		98
79) 1,1,1,2-Tetrachloroethane	5.406	131	1541	1.82	ug/L		91
80) m,p-Xylene	5.490	91	14170	3.90	ug/L		99
81) o-Xylene	5.798	91	6903	1.91	ug/L		98
82) Styrene	5.829	104	4552	1.78	ug/L		95
83) Bromoform	5.829	173	983	2.17	ug/L		88
84) Isopropylbenzene	6.037	105	8279	1.99	ug/L		96
88) n-Propylbenzene	6.345	91	10749	2.14	ug/L		97
89) Bromobenzene	6.298	156	2214	2.14	ug/L		90
90) 1,1,2,2-Tetrachloroethane	6.368	83	1572	2.04	ug/L		98
91) 1,3,5-Trimethylbenzene	6.499	105	6265	1.93	ug/L		99
92) 2-Chlorotoluene	6.445	91	5832	2.00	ug/L		97
94) 1,2,3-Trichloropropane	6.460	110	392m	1.90	ug/L		
96) 4-Chlorotoluene	6.575	91	5807	1.92	ug/L		99
97) tert-Butylbenzene	6.737	91	3994	2.00	ug/L		89
98) 1,2,4-Trimethylbenzene	6.791	105	5684	1.87	ug/L		95
99) Pentachloroethane	6.737	167	862	1.67	ug/L	#	74
100) sec-Butylbenzene	6.883	105	8338	2.03	ug/L		99
101) 4-Isopropyltoluene	6.999	119	6290	1.90	ug/L		97
102) 1,3-Dichlorobenzene	7.030	146	3825	2.12	ug/L		99
103) 1,2,3-Trimethylbenzene	7.130	105	5840	1.87	ug/L		98
104) 1,4-Dichlorobenzene	7.099	146	3926m	2.14	ug/L		
105) n-Butylbenzene	7.330	92	2905	1.90	ug/L		95
106) Benzyl Chloride	7.291	126	319m	1.71	ug/L		
107) 1,2-Dichlorobenzene	7.422	146	3460	2.18	ug/L		92
108) 1,2-Dibromo-3-Chloropr...	7.999	75	205m	1.95	ug/L		
109) Hexachlorobutadiene	8.507	225	990	2.28	ug/L		89
110) 1,2,4-Trichlorobenzene	8.500	180	1510	1.97	ug/L		97
111) Naphthalene	8.707	128	2272	2.08	ug/L		98
112) 1,2,3-Trichlorobenzene	8.831	180	1132	1.95	ug/L		92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59231.D
Acq On : 18 Sep 2024 8:42 am
Operator : jeniferw
Sample : IC3047-8 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 12:09:41 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration

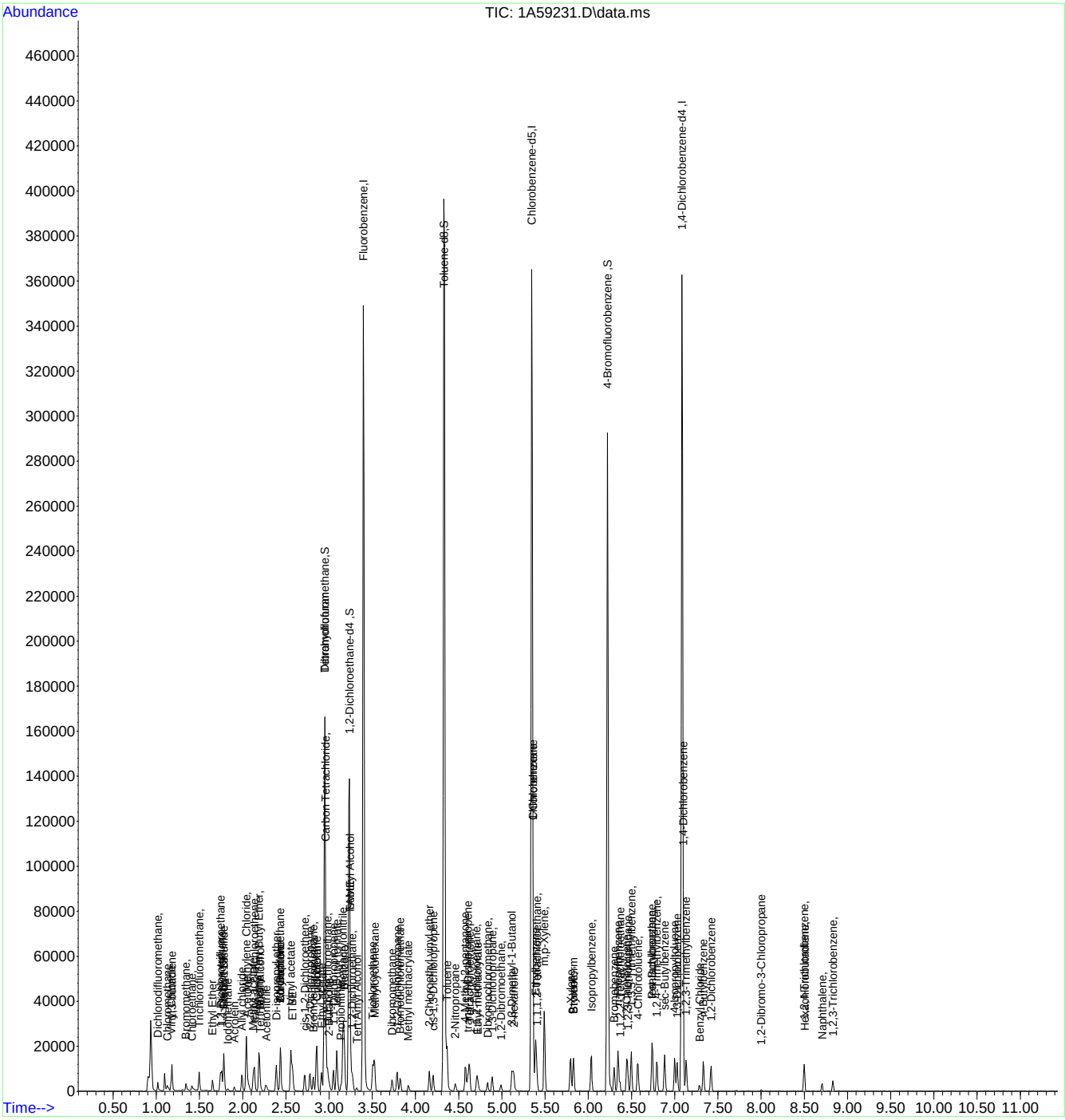
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59231.D
Acq On : 18 Sep 2024 8:42 am
Operator : jeniferw
Sample : IC3047-8 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 12:09:41 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration



Manual Integration Approval Summary

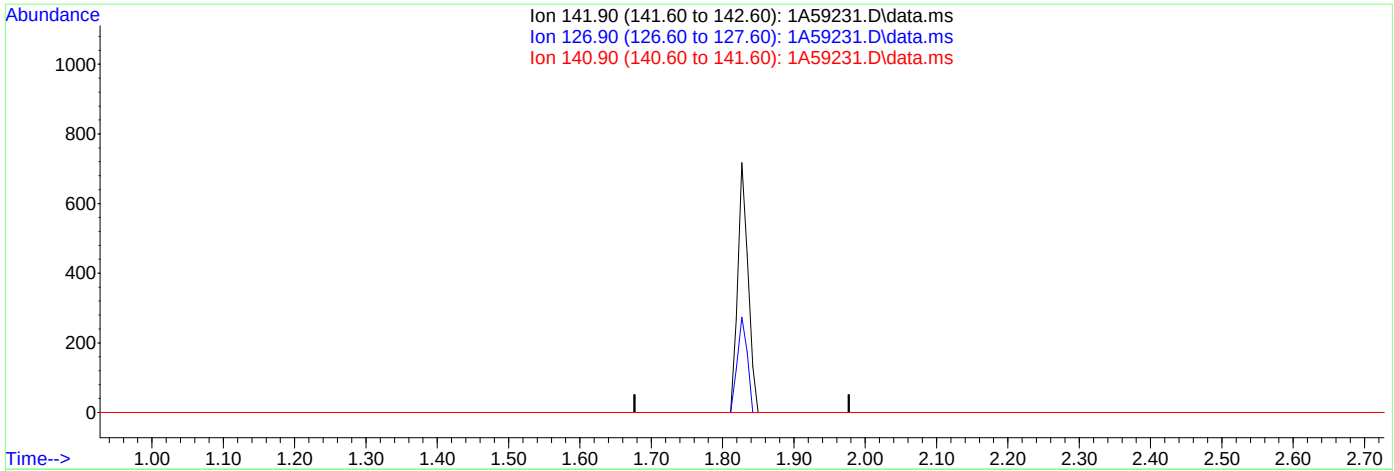
Sample Number: V1A3047-IC3047 **Method:** SW846 8260D
Lab FileID: 1A59231.D **Analyst approved:** 09/18/24 14:30 Jenifer Willis
Injection Time: 09/18/24 08:42 **Supervisor approved:** 09/18/24 15:09 Karen Watson

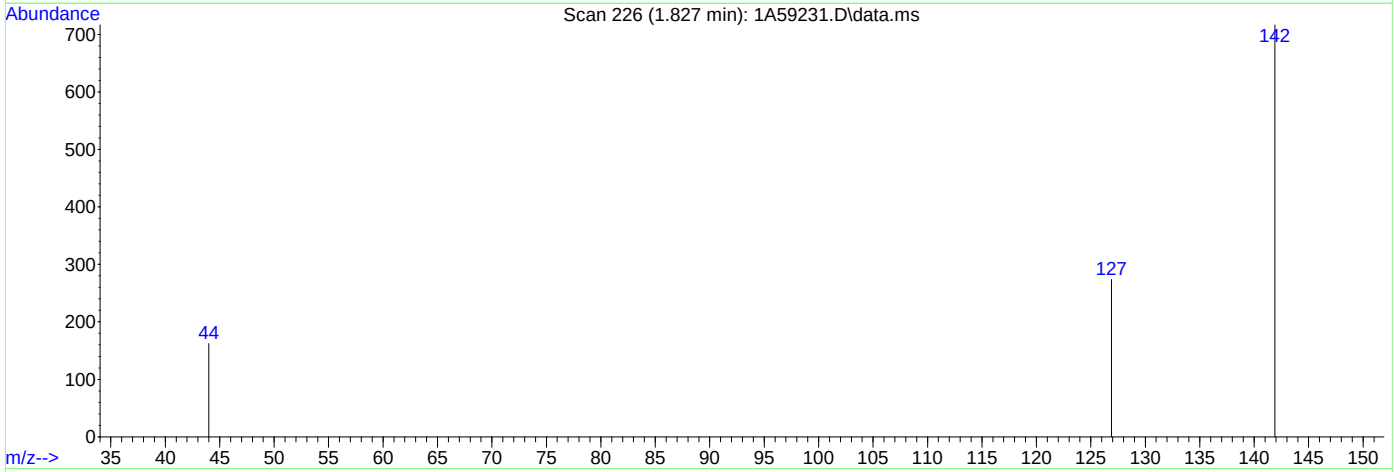
Parameter	CAS	Sig#	R.T. (min.)	Reason
Methyl Iodide	74-88-4		1.83	Missed peak
Tetrahydrofuran	109-99-9		2.95	Missed peak
Carbon Tetrachloride	56-23-5		2.96	Overlapping peak
Tert-Amyl Alcohol	75-85-4		3.32	Missed peak
1-Chlorohexane	544-10-5		5.36	Overlapping peak
Ethylbenzene	100-41-4		5.39	Overlapping peak
1,2,3-Trichloropropane	96-18-4		6.46	Missed peak
1,4-Dichlorobenzene	106-46-7		7.10	Missed peak
Benzyl Chloride	100-44-7		7.29	Missed peak
1,2-Dibromo-3-chloropropane	96-12-8		8.00	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59231.D
Acq On : 18 Sep 2024 8:42 am
Operator : jeniferw
Sample : IC3047-8 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 11:46:18 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59231.D\data.ms

(15) Iodomethane

1.827min (-1.827) 0.00ug/L

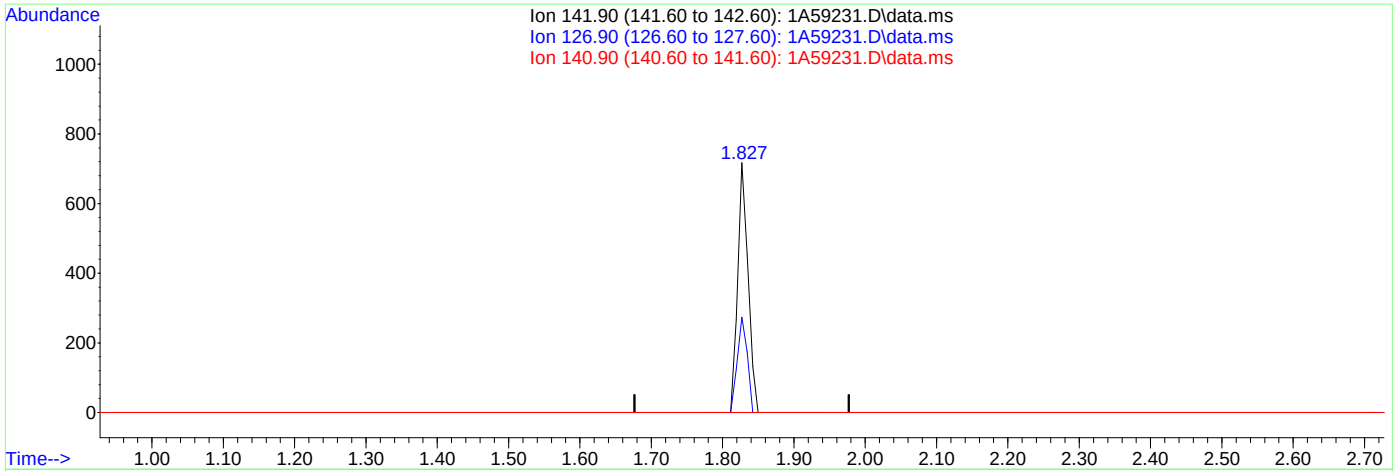
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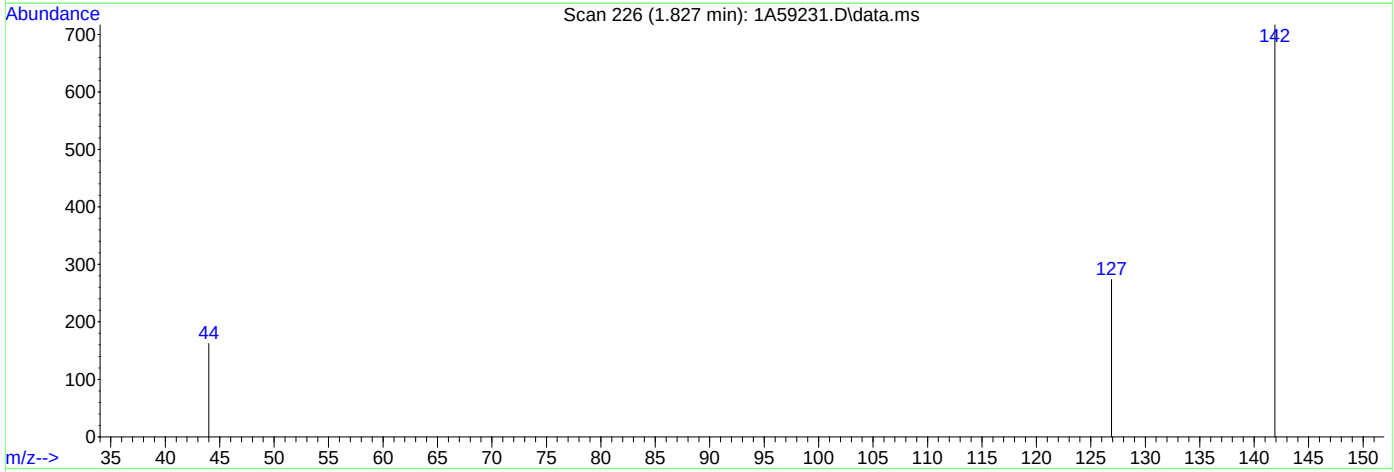
Ion	Exp%	Act%
141.90	100	0.00
126.90	44.30	0.00#
140.90	13.70	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59231.D
Acq On : 18 Sep 2024 8:42 am
Operator : jeniferw
Sample : IC3047-8 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 11:46:18 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59231.D\data.ms

(15) Iodomethane

1.827min (-0.000) 1.24ug/L m

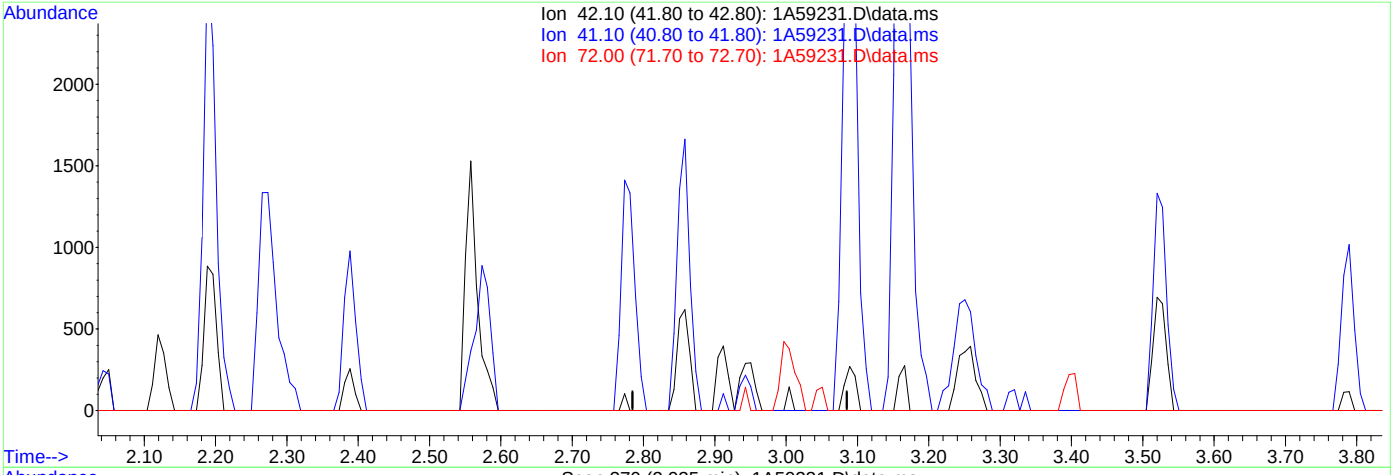
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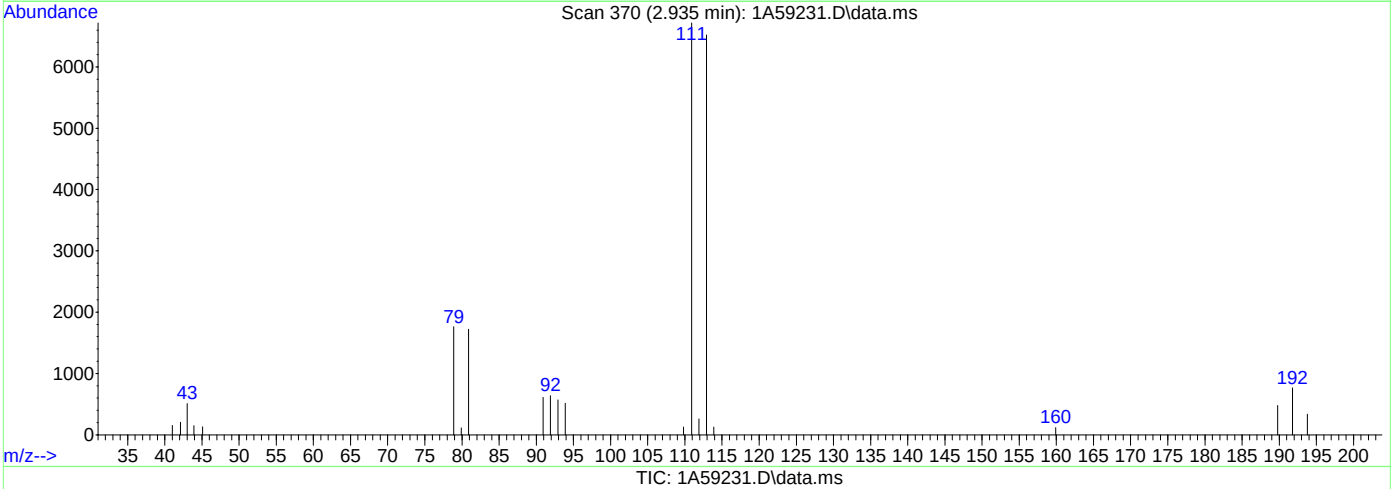
Ion	Exp%	Act%
141.90	100	100
126.90	44.30	38.21
140.90	13.70	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59231.D
Acq On : 18 Sep 2024 8:42 am
Operator : jeniferw
Sample : IC3047-8 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
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Response via : Initial Calibration





TIC: 1A59231.D\data.ms

(38) Tetrahydrofuran

2.935min (-2.935) 0.00ug/L

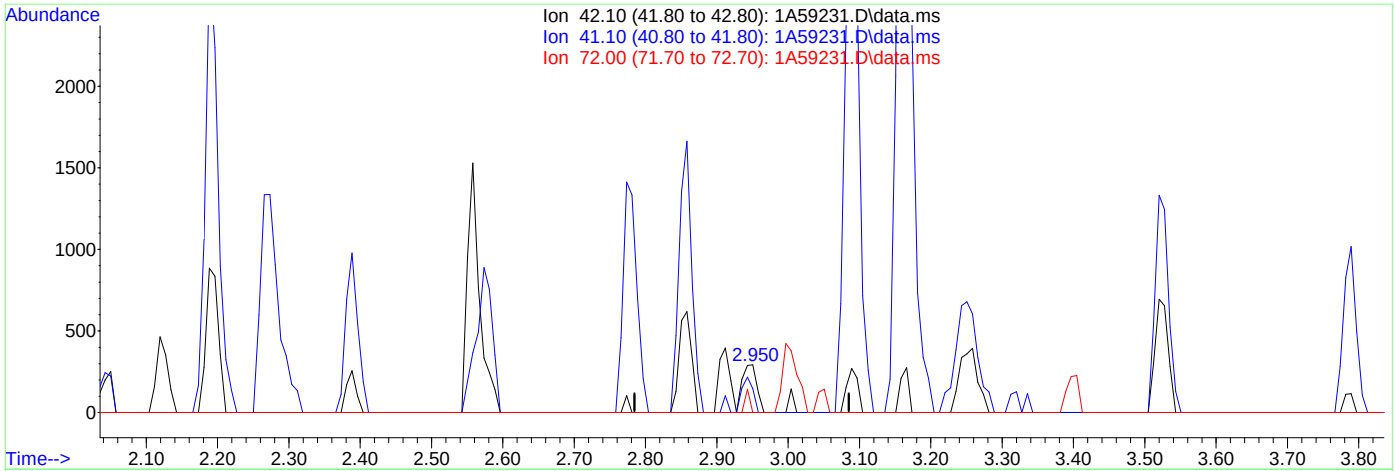
response 0

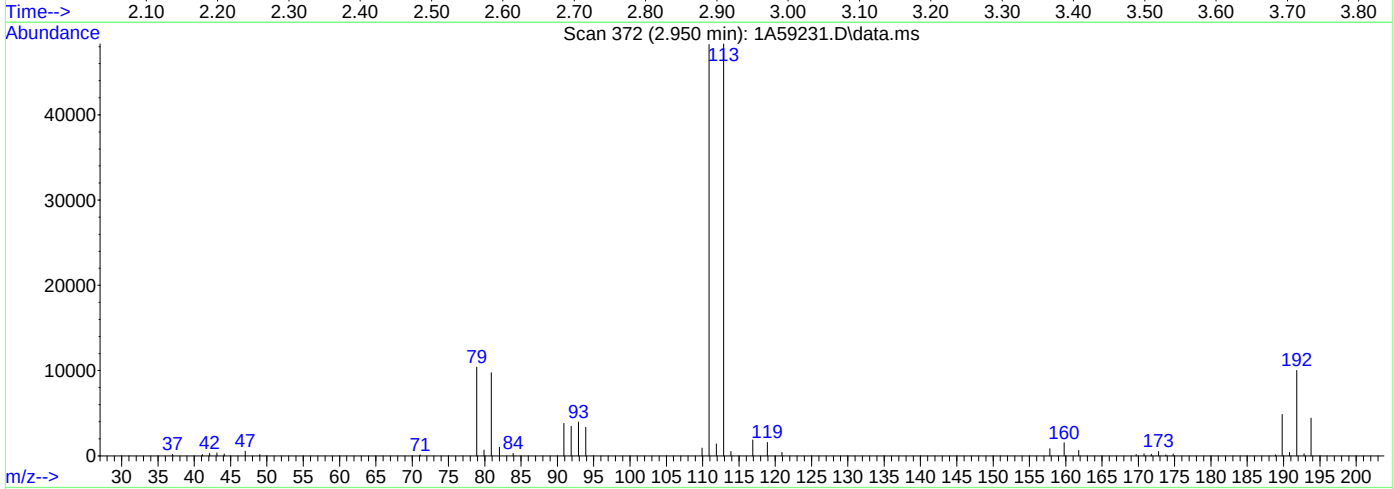
Ion	Exp%	Act%
42.10	100	0.00
41.10	53.20	0.00#
72.00	35.20	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59231.D
Acq On : 18 Sep 2024 8:42 am
Operator : jeniferw
Sample : IC3047-8 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 11:46:18 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59231.D\data.ms

(38) Tetrahydrofuran

2.950min (+0.015) 1.92ug/L m

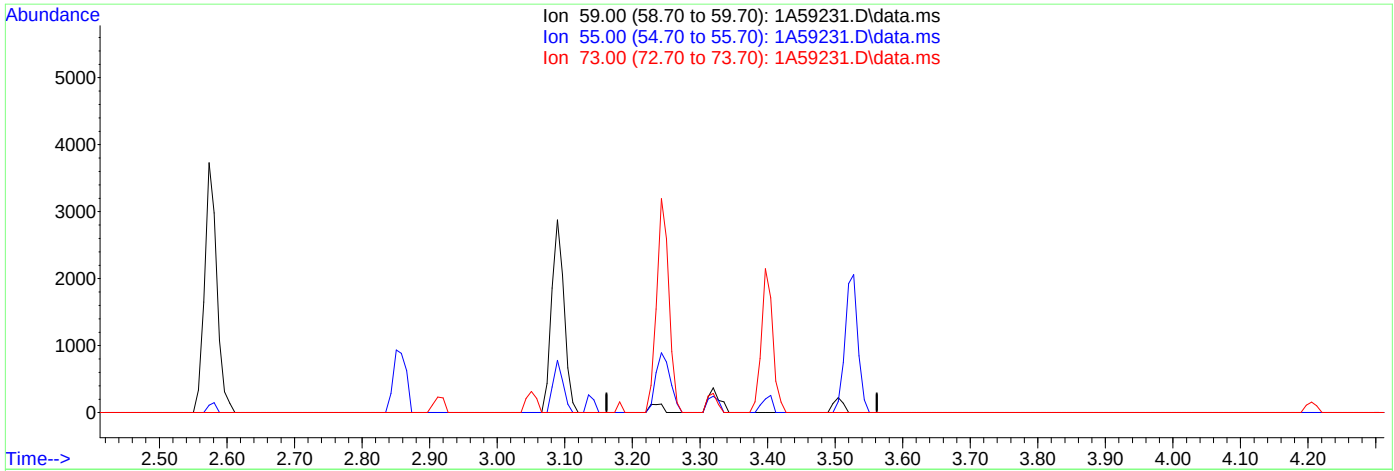
response 419

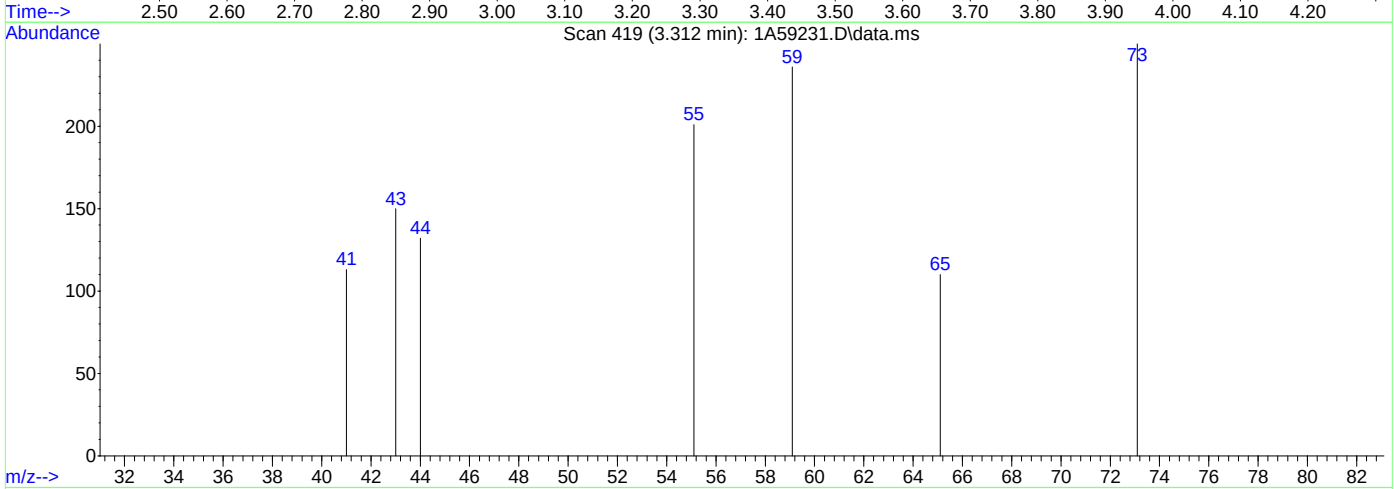
Ion	Exp%	Act%
42.10	100	100
41.10	53.20	49.83
72.00	35.20	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59231.D
Acq On : 18 Sep 2024 8:42 am
Operator : jeniferw
Sample : IC3047-8 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 11:46:18 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59231.D\data.ms

(52) Tert Amyl Alcohol

3.312min (-3.312) 0.00ug/L

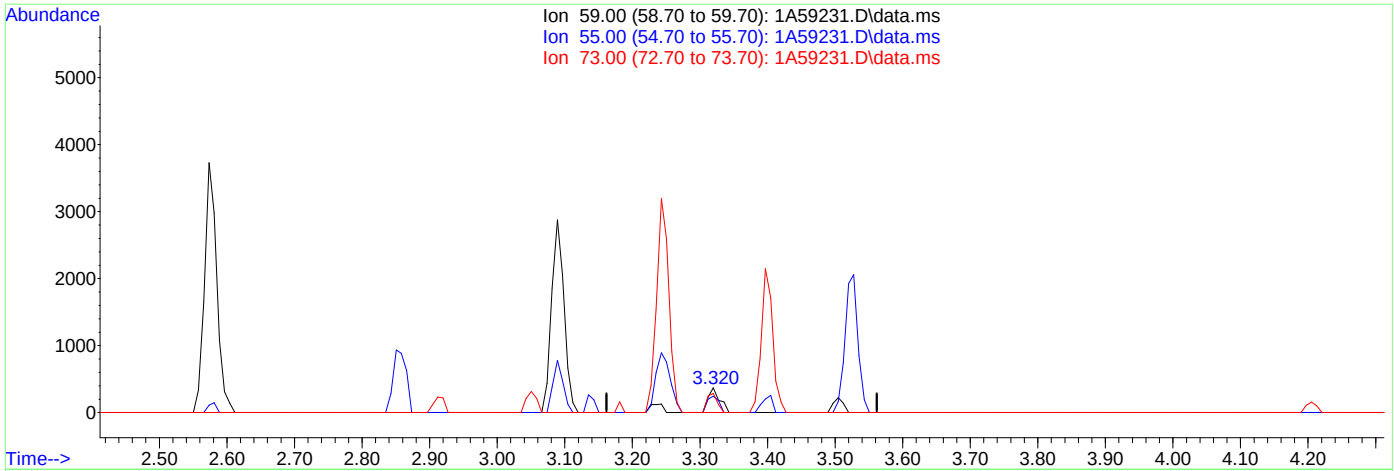
response 0

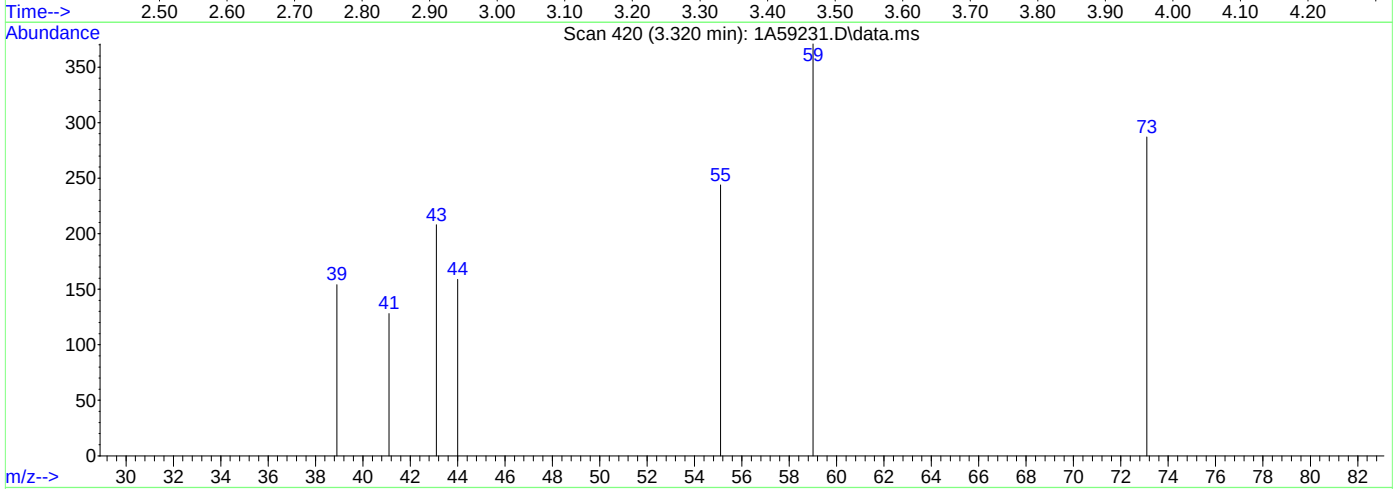
Ion	Exp%	Act%
59.00	100	0.00
55.00	59.30	0.00#
73.00	58.70	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59231.D
Acq On : 18 Sep 2024 8:42 am
Operator : jeniferw
Sample : IC3047-8 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 11:46:18 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59231.D\data.ms

(52) Tert Amyl Alcohol

3.320min (+0.008) 12.44ug/L m

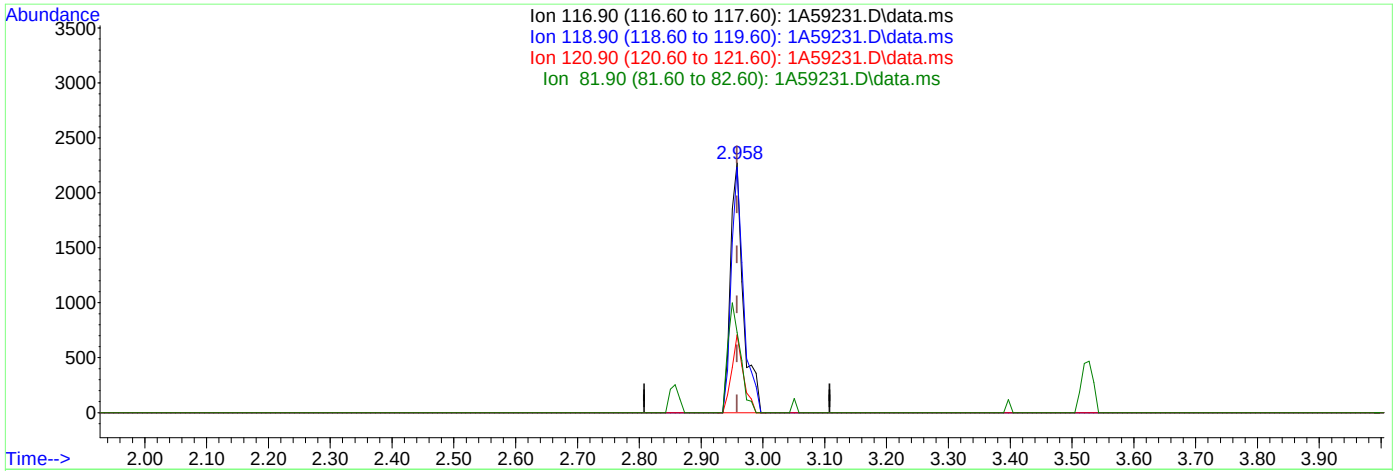
response 438

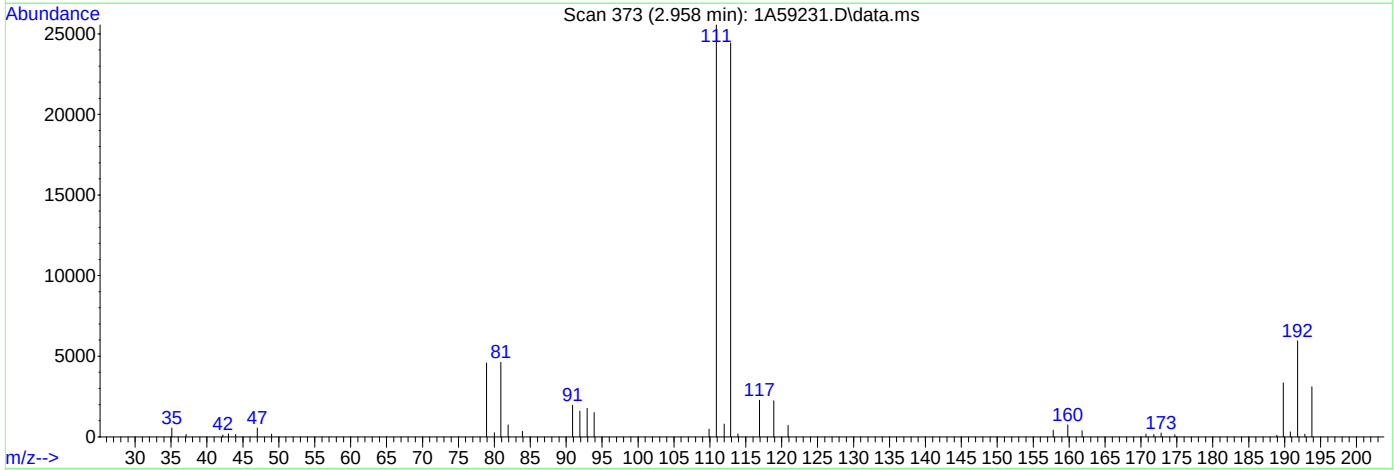
Ion	Exp%	Act%
59.00	100	100
55.00	59.30	65.77
73.00	58.70	77.36
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59231.D
Acq On : 18 Sep 2024 8:42 am
Operator : jeniferw
Sample : IC3047-8 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 11:46:18 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59231.D\data.ms

(40) Carbon Tetrachloride ( )

2.958min (+0.000) 2.29ug/L

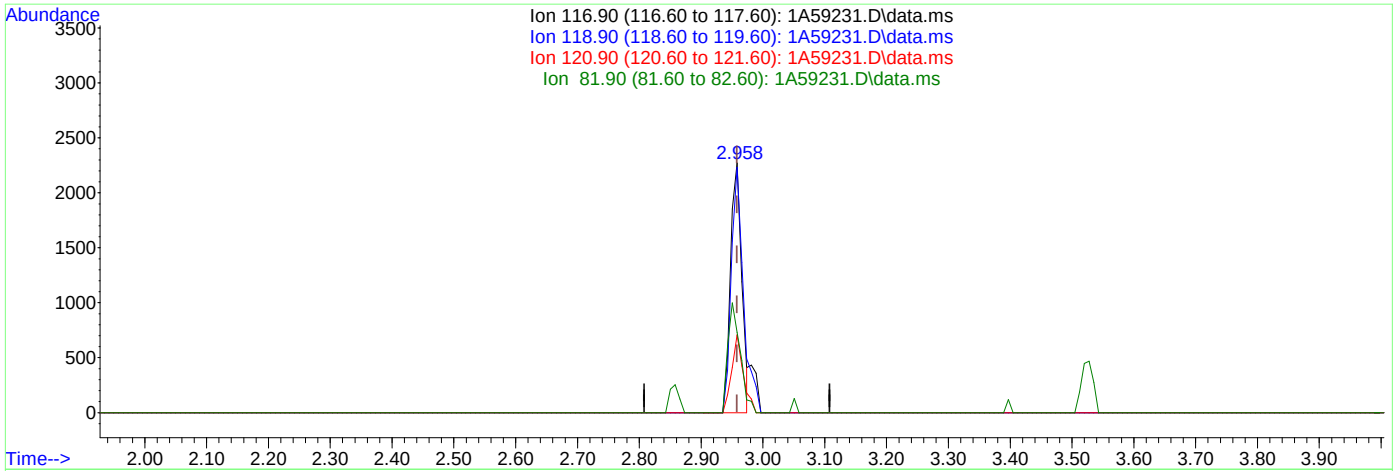
response 3246

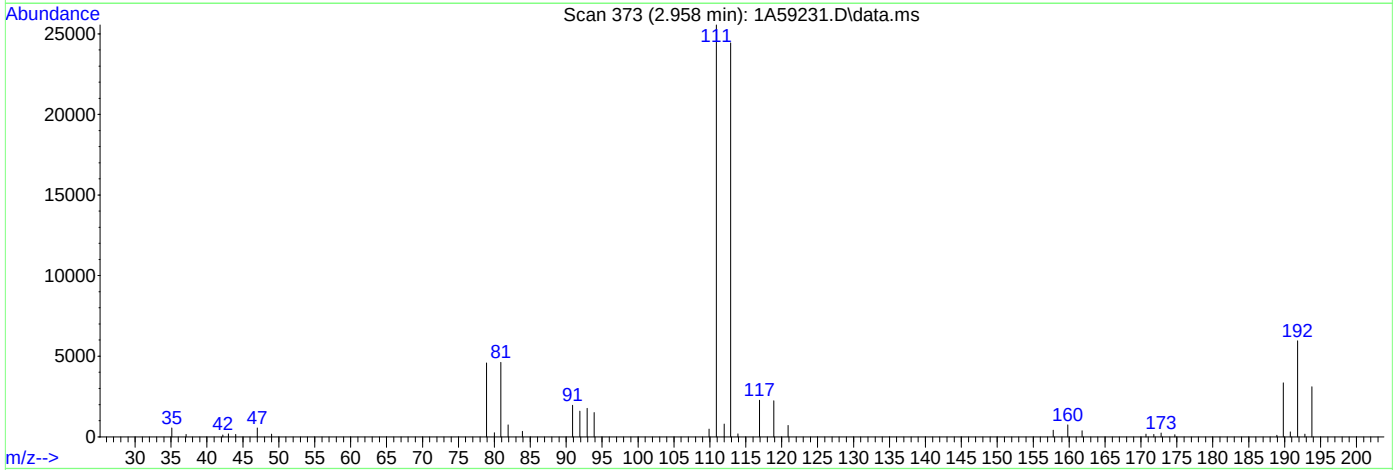
Ion	Exp%	Act%
116.90	100	100
118.90	96.70	98.24
120.90	32.00	31.21
81.90	24.70	32.17

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59231.D
Acq On : 18 Sep 2024 8:42 am
Operator : jeniferw
Sample : IC3047-8 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 11:46:18 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59231.D\data.ms

(40) Carbon Tetrachloride ( )

2.958min (+0.000) 2.03ug/L m

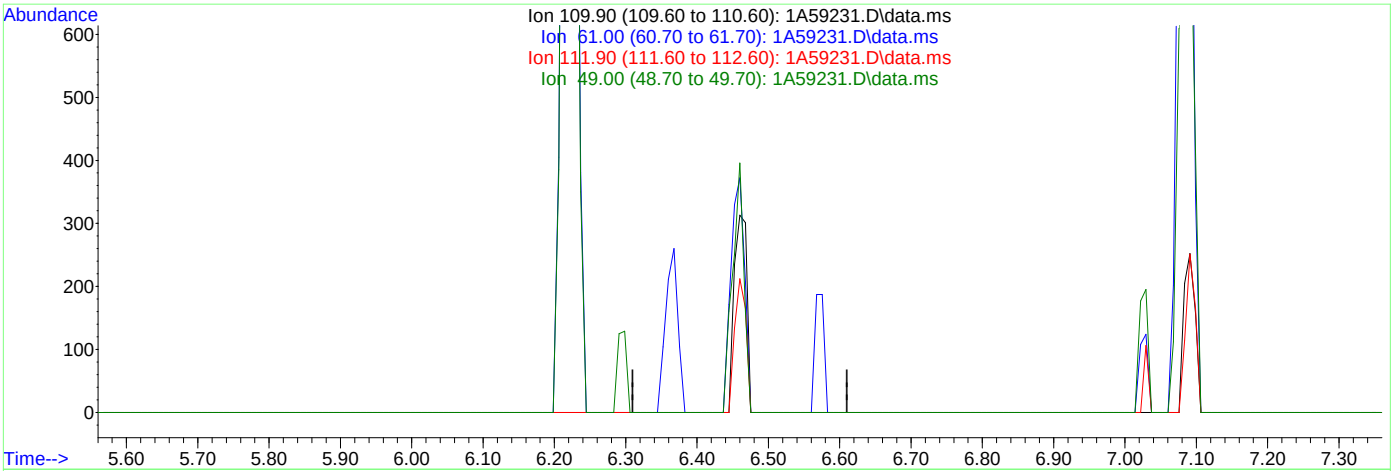
response 2881

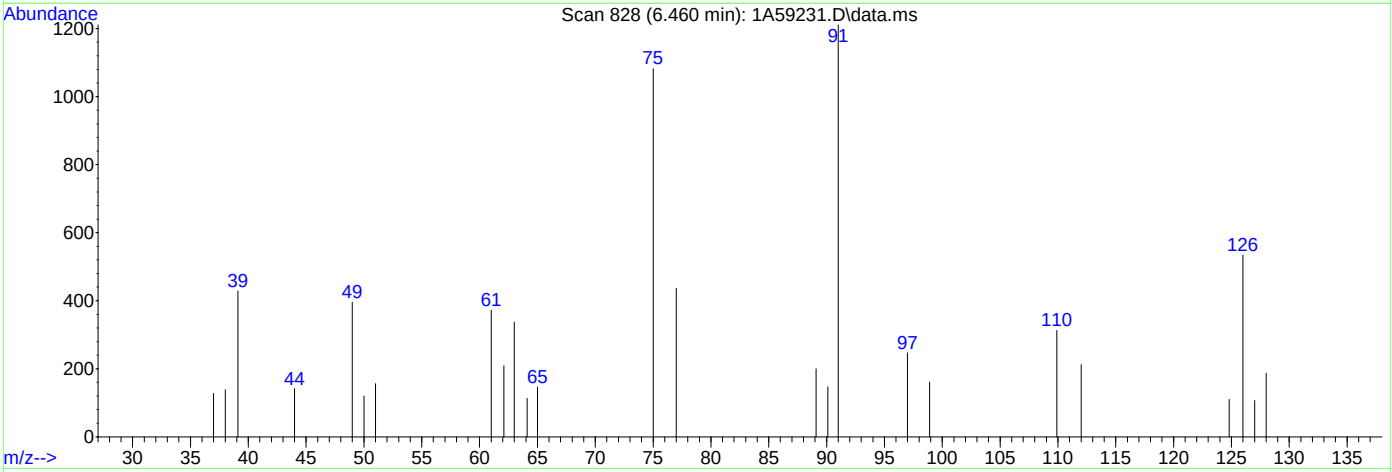
Ion	Exp%	Act%
116.90	100	100
118.90	96.70	98.24
120.90	32.00	31.21
81.90	24.70	32.17

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59231.D
Acq On : 18 Sep 2024 8:42 am
Operator : jeniferw
Sample : IC3047-8 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 11:46:18 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59231.D\data.ms

(94) 1,2,3-Trichloropropane ( )

6.460min (-6.460) 0.00ug/L

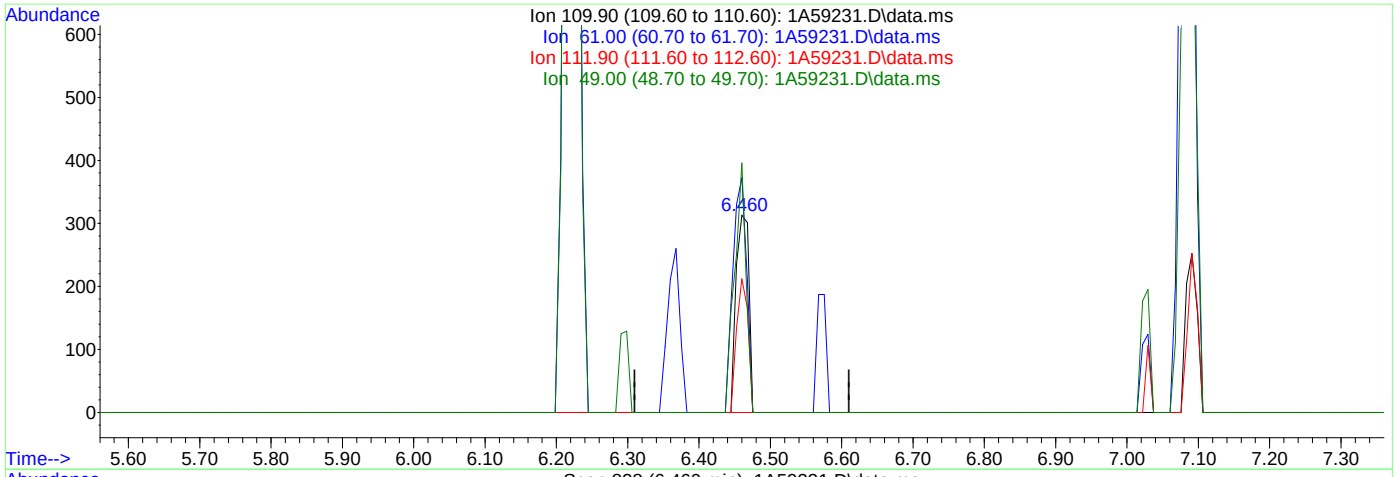
response 0

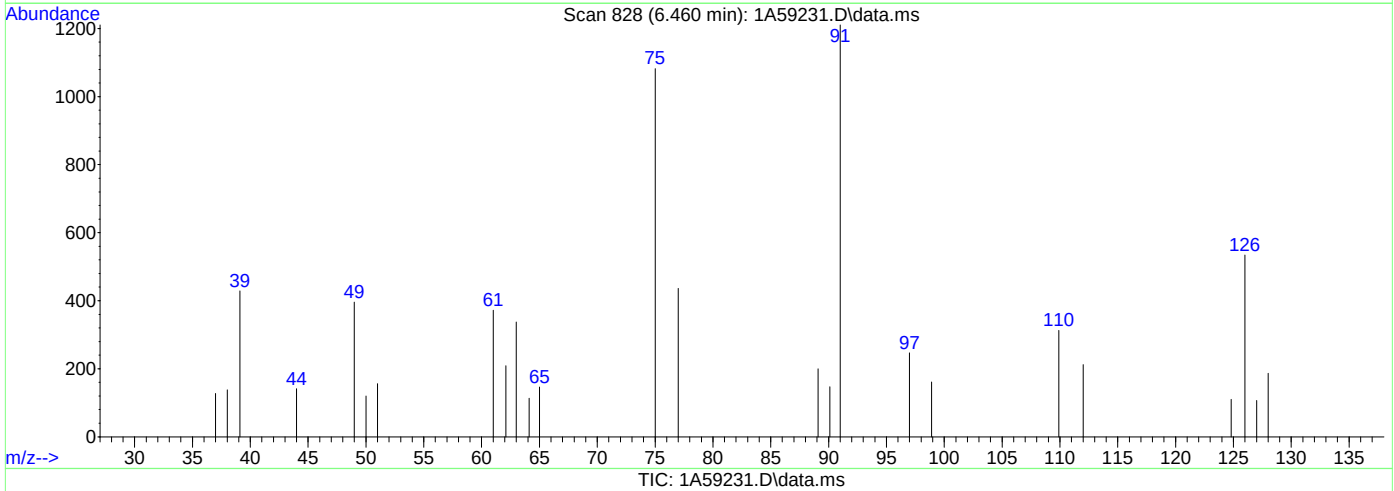
Ion	Exp%	Act%
109.90	100	0.00
61.00	84.10	0.00#
111.90	67.50	0.00#
49.00	69.70	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59231.D
Acq On : 18 Sep 2024 8:42 am
Operator : jeniferw
Sample : IC3047-8 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 11:46:18 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59231.D\data.ms

(94) 1,2,3-Trichloropropane ( )

6.460min (+0.000) 1.90ug/L m

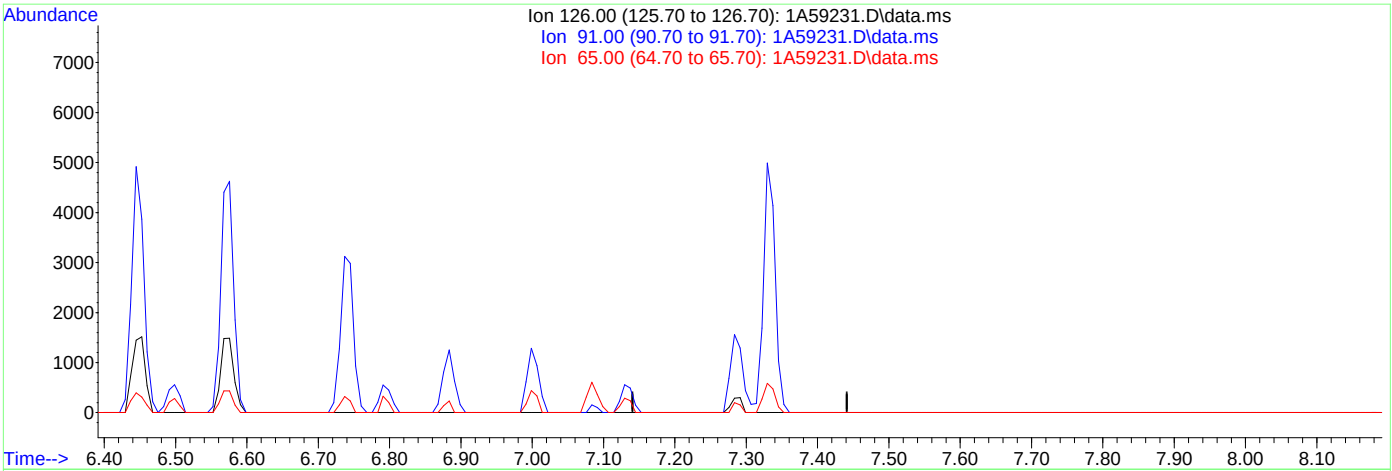
response 392

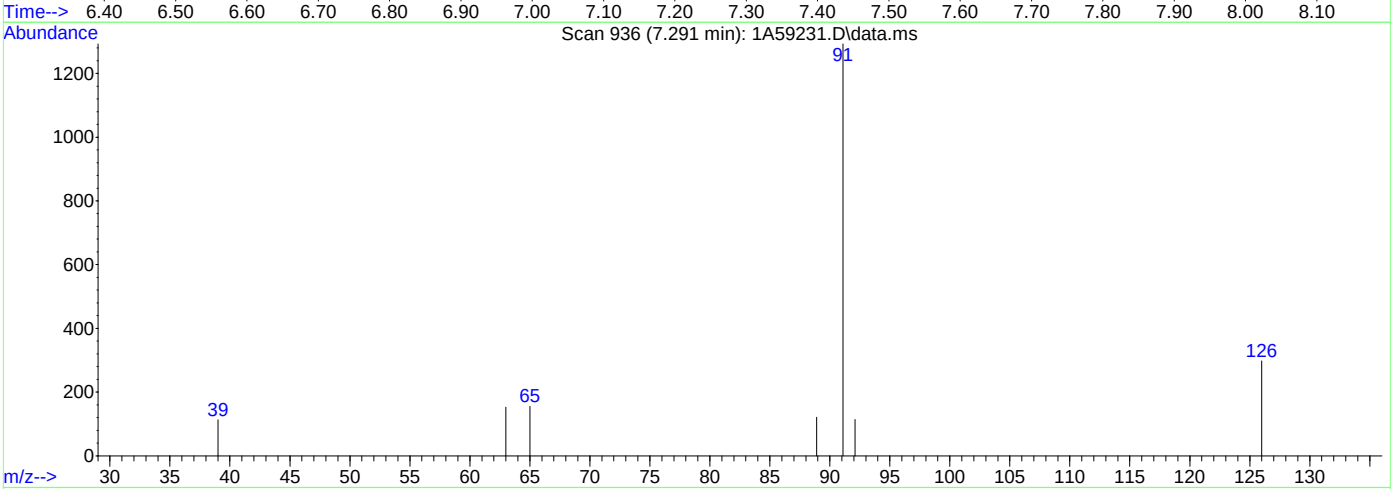
Ion	Exp%	Act%
109.90	100	100
61.00	84.10	118.85#
111.90	67.50	67.73
49.00	69.70	126.52#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59231.D
Acq On : 18 Sep 2024 8:42 am
Operator : jeniferw
Sample : IC3047-8 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 11:46:18 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59231.D\data.ms

(106) Benzyl Chloride

7.291min (-7.291) 0.00ug/L

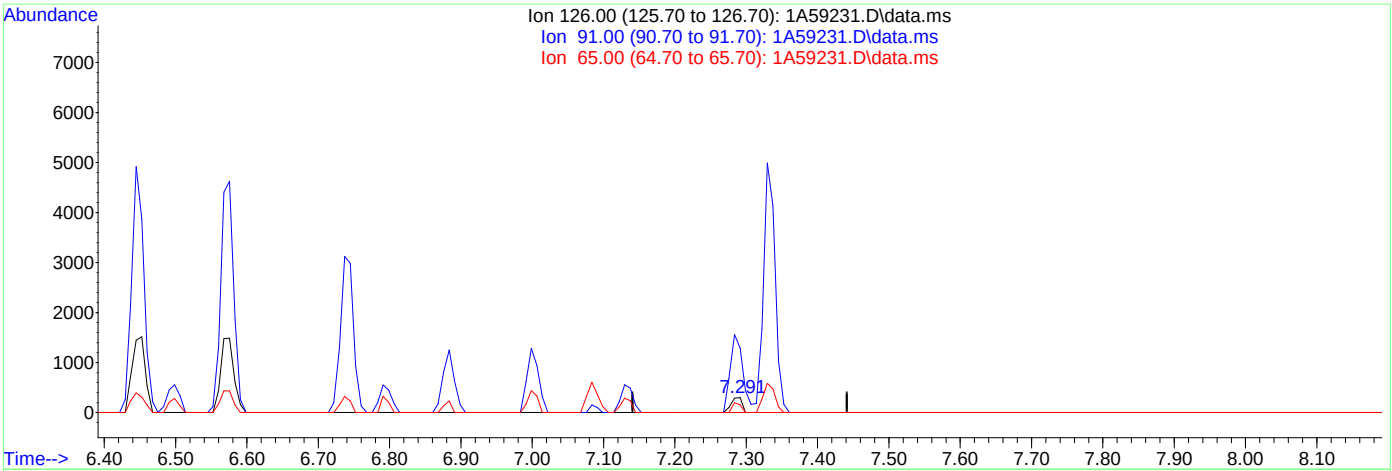
response 0

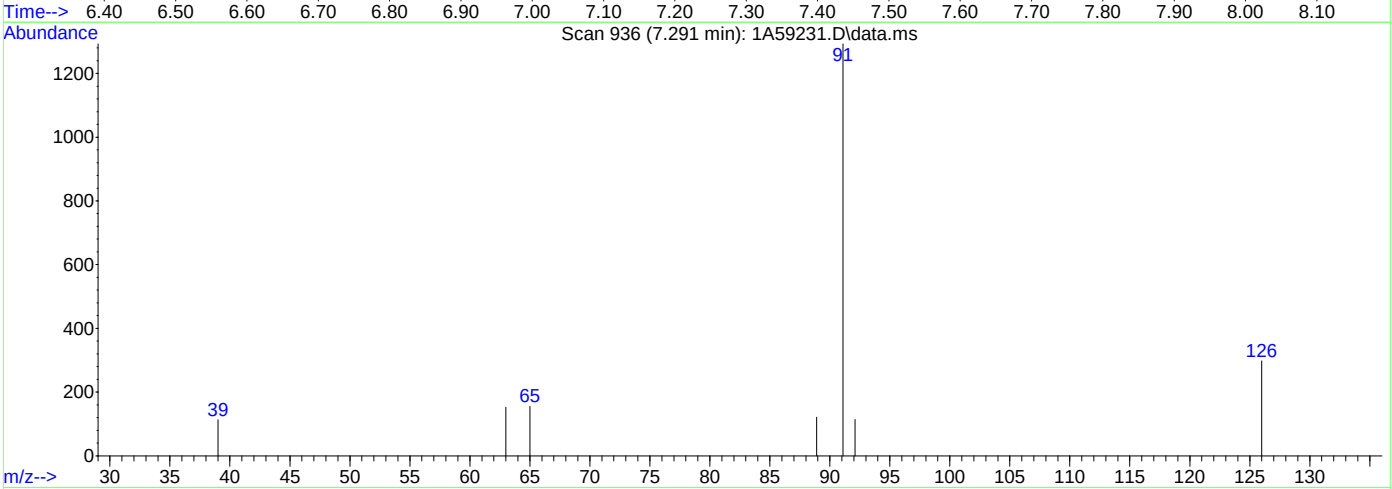
Ion	Exp%	Act%
126.00	100	0.00
91.00	481.00	0.00#
65.00	59.00	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59231.D
Acq On : 18 Sep 2024 8:42 am
Operator : jeniferw
Sample : IC3047-8 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 11:46:18 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59231.D\data.ms

(106) Benzyl Chloride

7.291min (+0.000) 1.71ug/L m

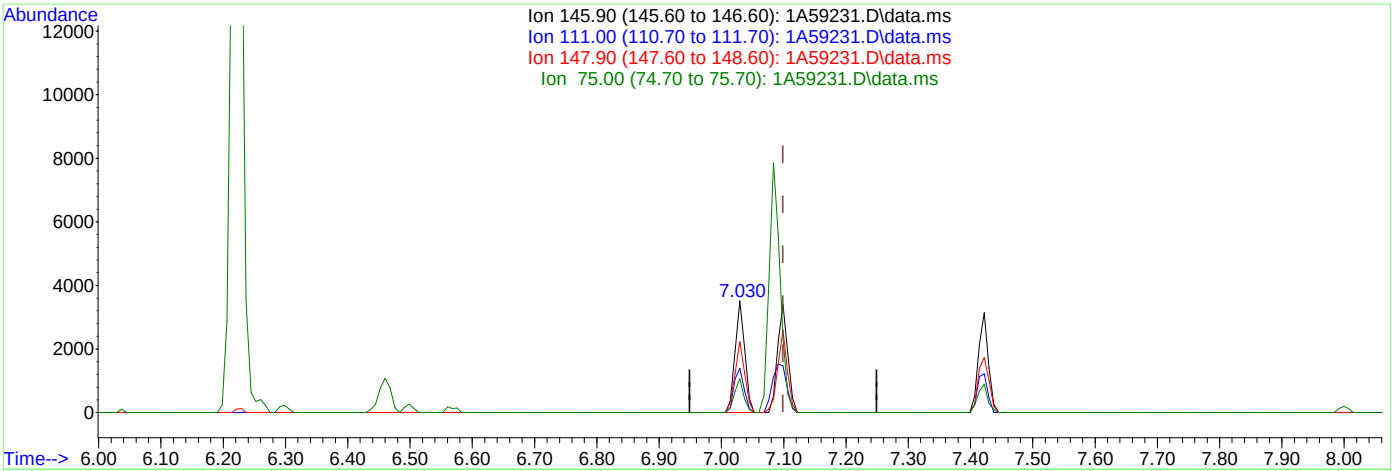
response 319

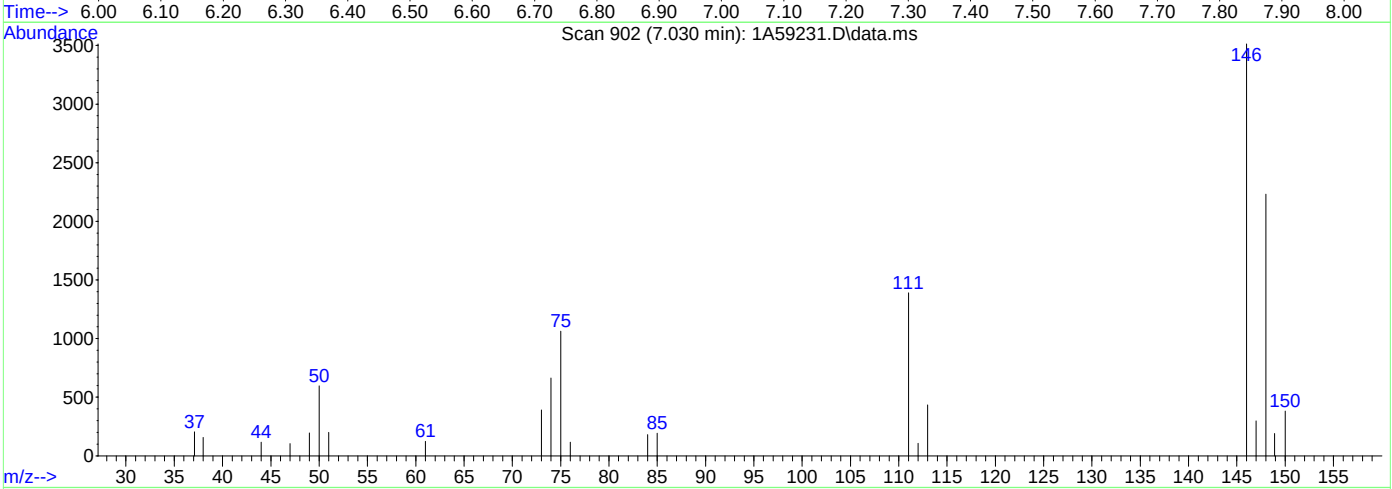
Ion	Exp%	Act%
126.00	100	100
91.00	481.00	433.89#
65.00	59.00	52.01
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59231.D
Acq On : 18 Sep 2024 8:42 am
Operator : jeniferw
Sample : IC3047-8 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 11:46:18 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59231.D\data.ms

(104) 1,4-Dichlorobenzene

7.030min (-0.069) 2.09ug/L

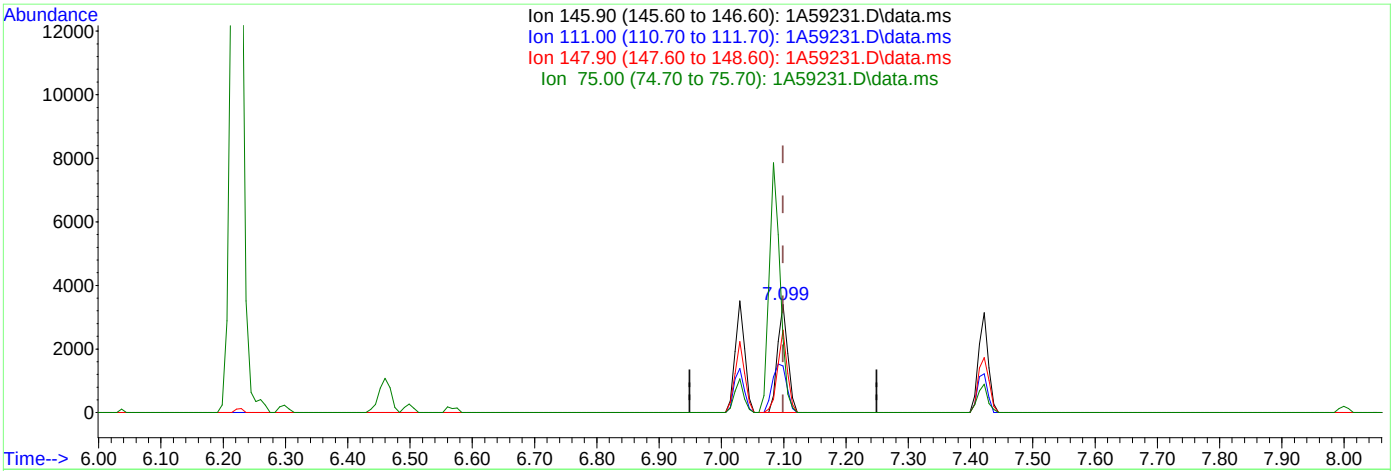
response 3825

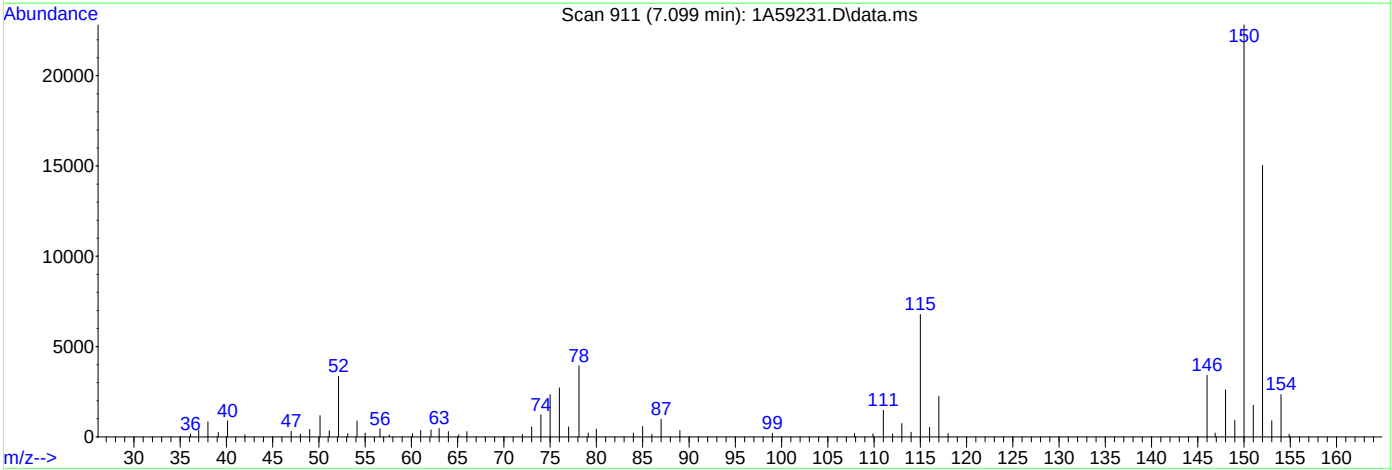
Ion	Exp%	Act%
145.90	100	100
111.00	41.10	39.53
147.90	64.40	63.52
75.00	33.80	30.25

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59231.D
Acq On : 18 Sep 2024 8:42 am
Operator : jeniferw
Sample : IC3047-8 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 11:46:18 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59231.D\data.ms

(104) 1,4-Dichlorobenzene

7.099min (-0.000) 2.14ug/L m

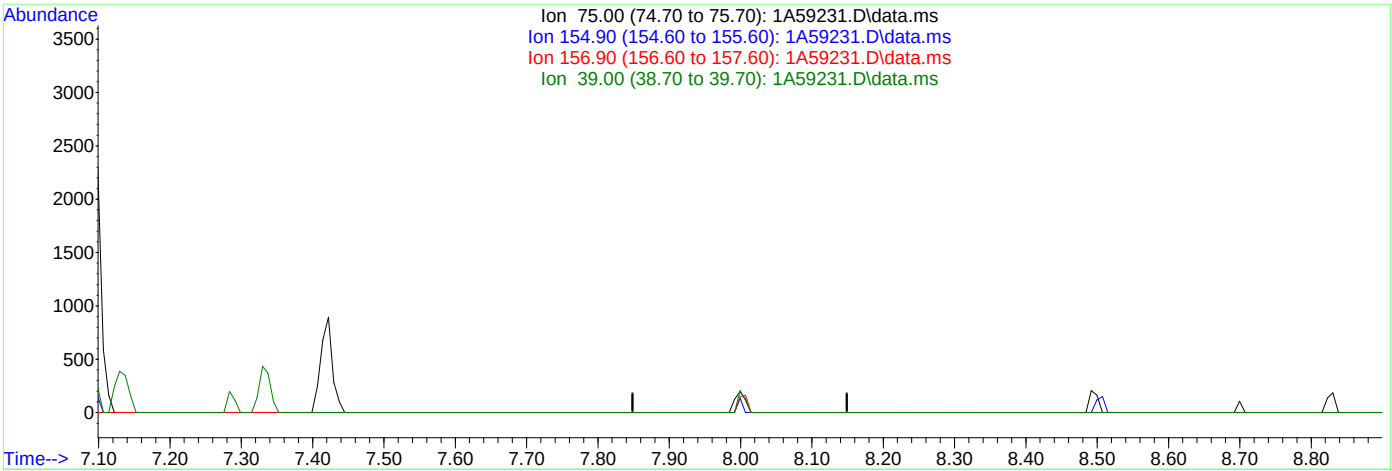
response 3926

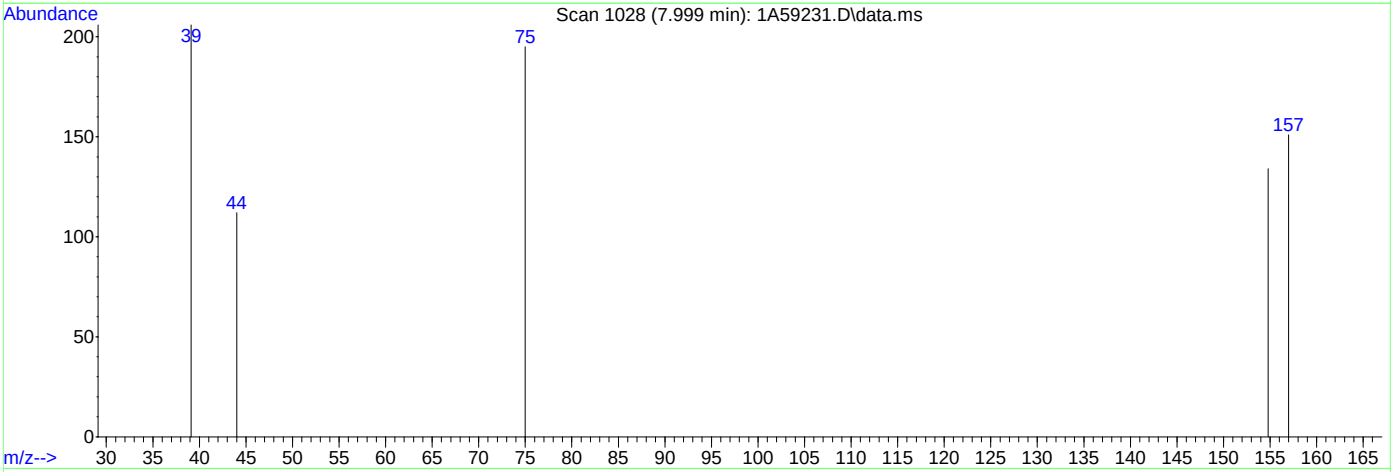
Ion	Exp%	Act%
145.90	100	100
111.00	41.10	43.21
147.90	64.40	76.25
75.00	33.80	68.78#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59231.D
Acq On : 18 Sep 2024 8:42 am
Operator : jeniferw
Sample : IC3047-8 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 11:46:18 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59231.D\data.ms

(108) 1,2-Dibromo-3-Chloropropane

7.999min (-7.999) 0.00ug/L

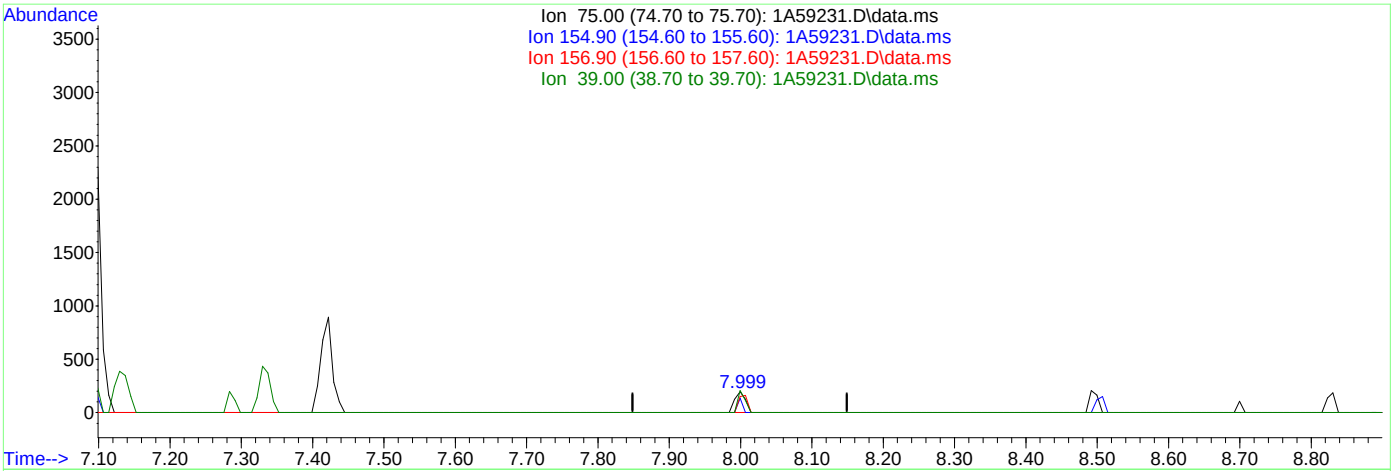
response 0

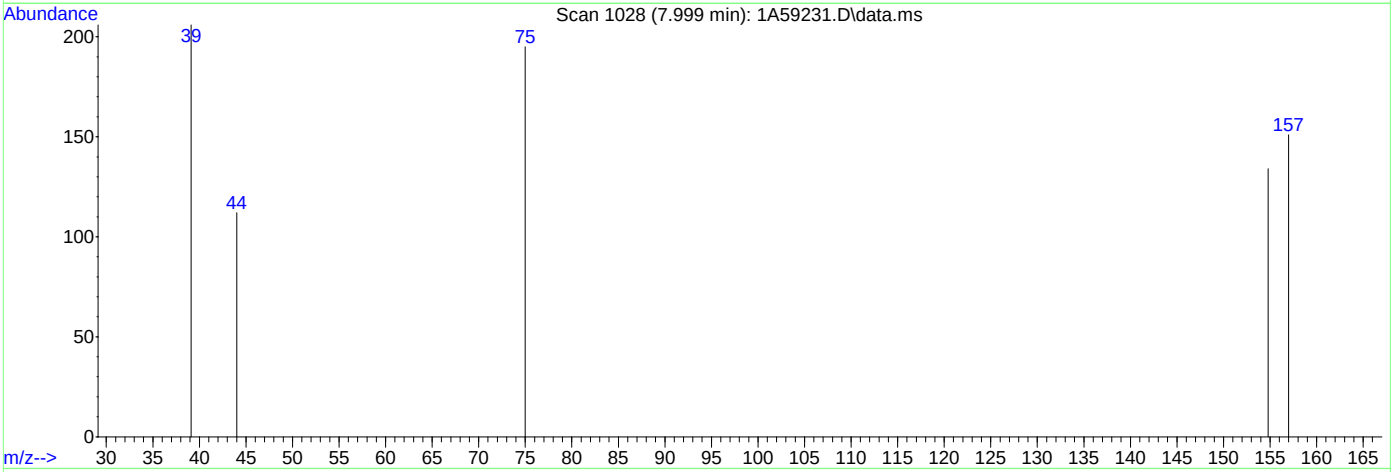
Ion	Exp%	Act%
75.00	100	0.00
154.90	75.30	0.00#
156.90	96.90	0.00#
39.00	77.50	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59231.D
Acq On : 18 Sep 2024 8:42 am
Operator : jeniferw
Sample : IC3047-8 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 11:46:18 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59231.D\data.ms

(108) 1,2-Dibromo-3-Chloropropane

7.999min (+0.000) 1.95ug/L m

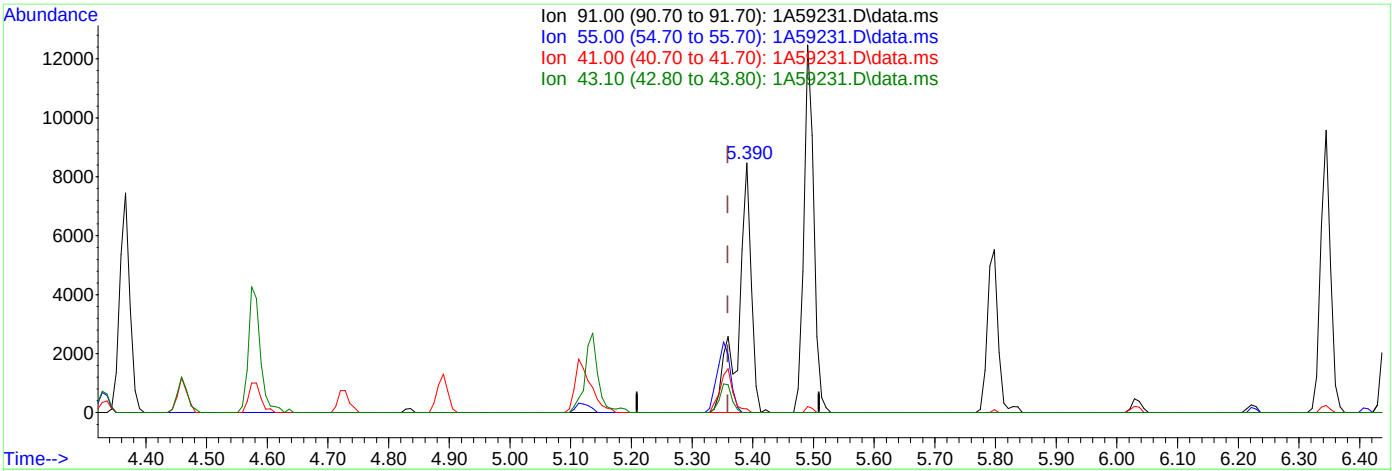
response 205

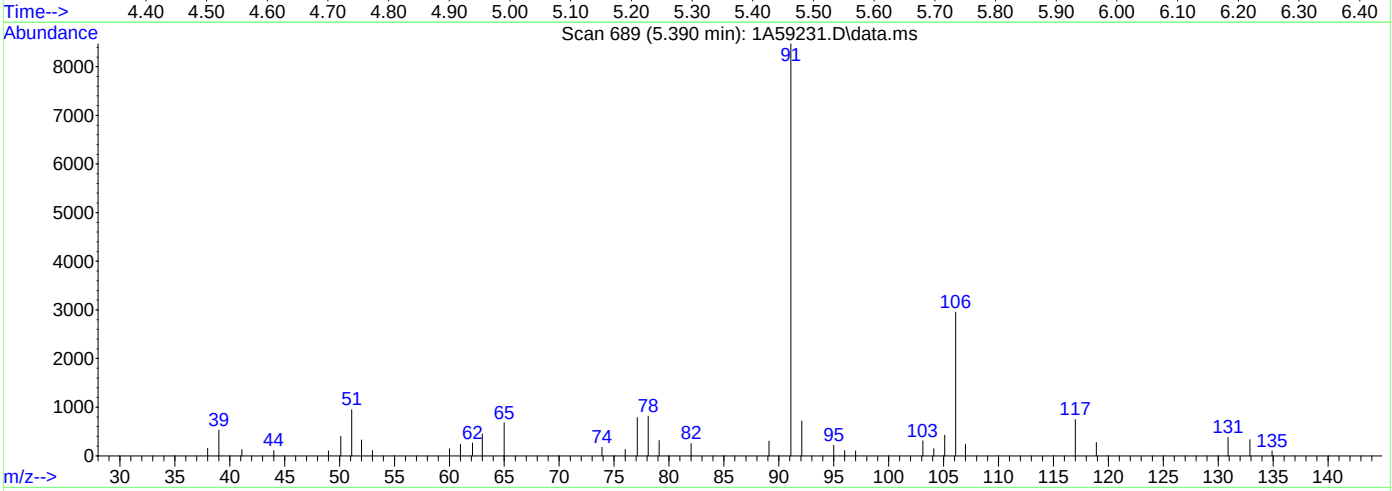
Ion	Exp%	Act%
75.00	100	100
154.90	75.30	68.72
156.90	96.90	77.44
39.00	77.50	105.64

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59231.D
Acq On : 18 Sep 2024 8:42 am
Operator : jeniferw
Sample : IC3047-8 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 11:46:18 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59231.D\data.ms

(76) 1-Chlorohexane

5.390min (+0.031) 7.97ug/L

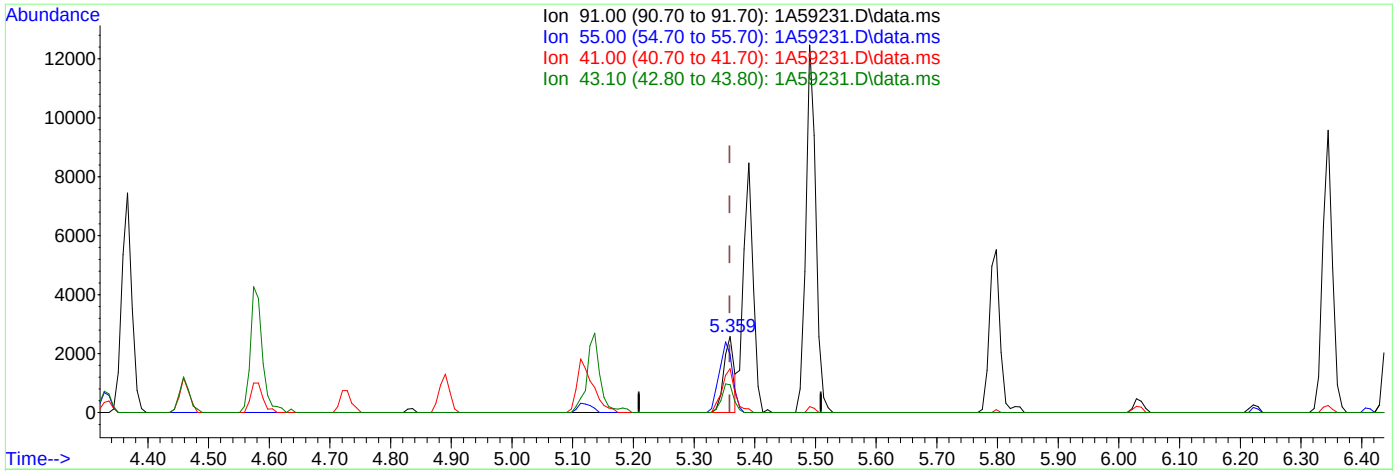
response 12566

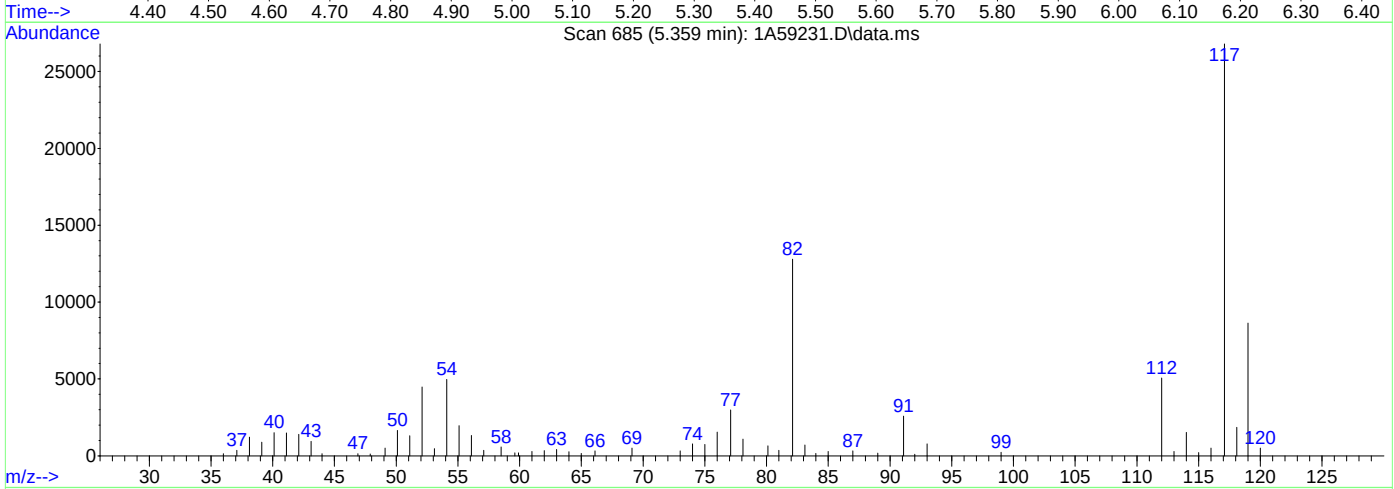
Ion	Exp%	Act%
91.00	100	100
55.00	77.50	0.00#
41.00	62.80	1.55#
43.10	51.70	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59231.D
Acq On : 18 Sep 2024 8:42 am
Operator : jeniferw
Sample : IC3047-8 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 11:46:18 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59231.D\data.ms

(76) 1-Chlorohexane

5.359min (+0.000) 1.93ug/L m

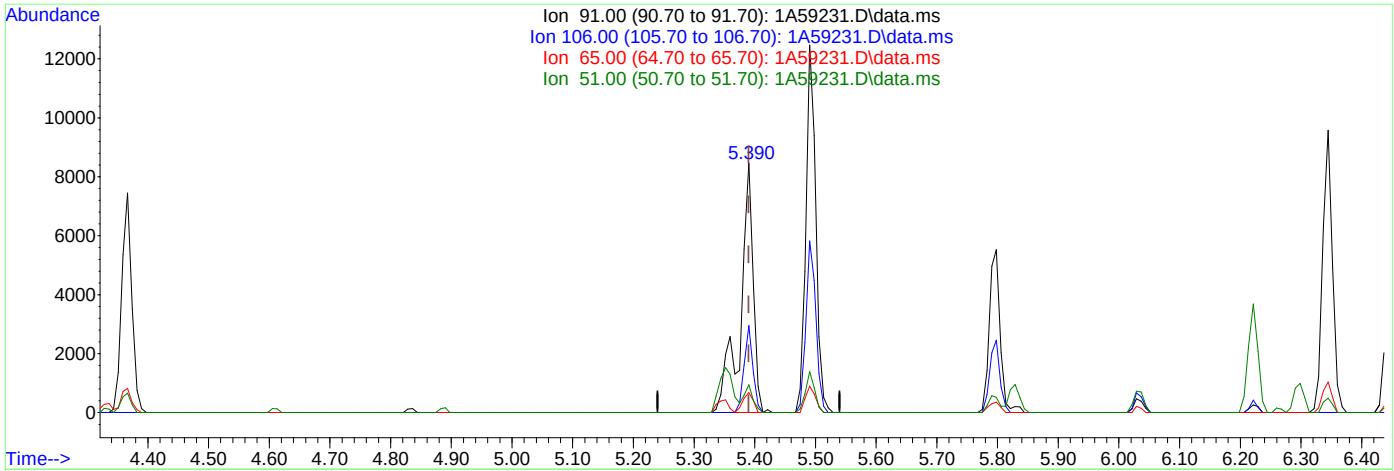
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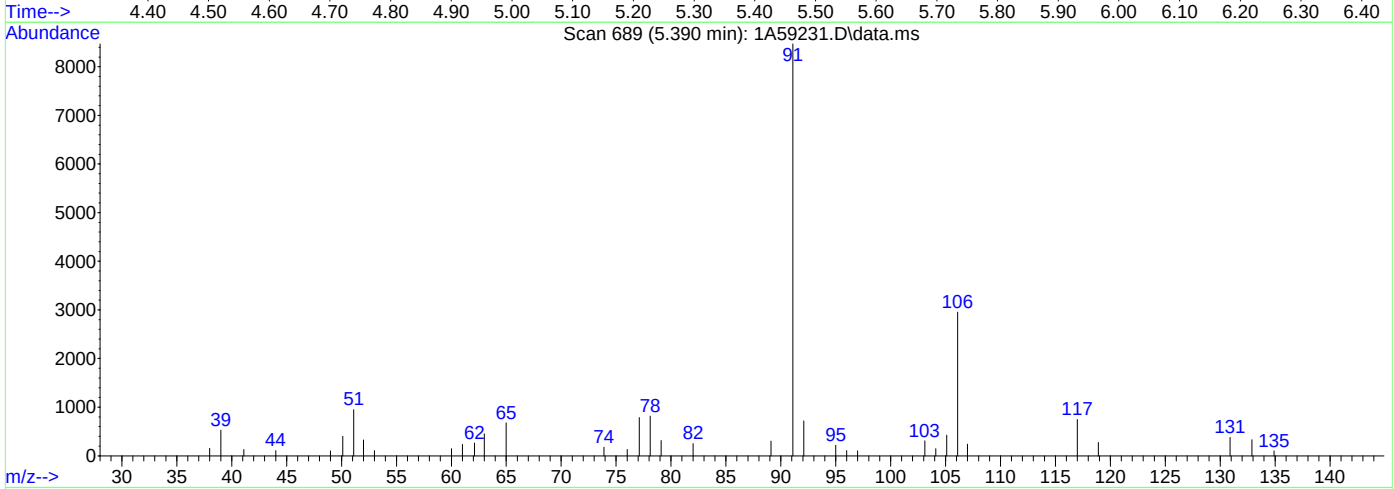
Ion	Exp%	Act%
91.00	100	100
55.00	77.50	76.11
41.00	62.80	57.61
43.10	51.70	36.47

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59231.D
Acq On : 18 Sep 2024 8:42 am
Operator : jeniferw
Sample : IC3047-8 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 11:46:18 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59231.D\data.ms

(77) Ethylbenzene

5.390min (+0.000) 2.74ug/L

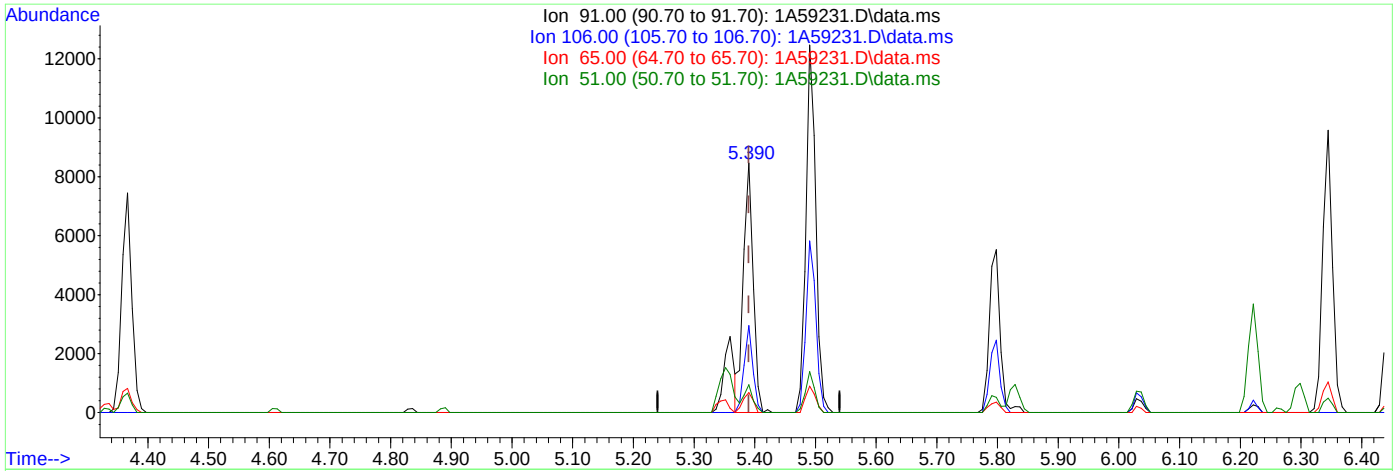
response 12566

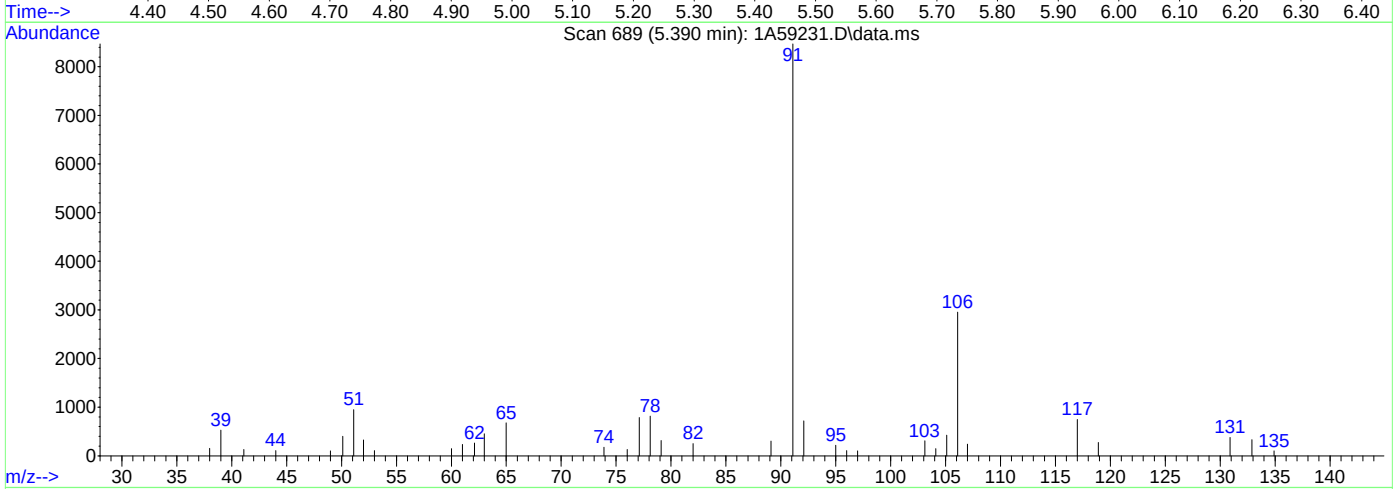
Ion	Exp%	Act%
91.00	100	100
106.00	29.70	34.85
65.00	9.20	8.00
51.00	10.90	11.19

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59231.D
Acq On : 18 Sep 2024 8:42 am
Operator : jeniferw
Sample : IC3047-8 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 11:46:18 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59231.D\data.ms

(77) Ethylbenzene

5.390min (+0.000) 2.08ug/L m

response 9522

Ion	Exp%	Act%
91.00	100	100
106.00	29.70	34.85
65.00	9.20	8.00
51.00	10.90	11.19

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/18/24 15:09

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59233.D
Acq On : 18 Sep 2024 9:14 am
Operator : jeniferw
Sample : IC3047-2 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 18 12:49:41 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	3.397	96	189941	50.00	ug/L		0.00
62) Chlorobenzene-d5	5.344	117	133802	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	7.084	152	69879	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	2.951	113	55843	51.12	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.24%				
49) 1,2-Dichloroethane-d4	3.228	65	60852	48.60	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 97.20%				
63) Toluene-d8	4.328	98	189642	51.28	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 102.56%				
86) 4-Bromofluorobenzene	6.222	174	56799	49.37	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.74%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.011	85	5508	4.24	ug/L		98
3) Chloromethane	1.119	50	5300	4.20	ug/L		98
4) 1,3-butadiene	1.173	39	4452	3.83	ug/L		94
5) Vinyl Chloride	1.165	62	5700	4.55	ug/L		91
6) Bromomethane	1.342	94	2574	5.03	ug/L		96
7) Chloroethane	1.411	64	4002	5.59	ug/L		98
8) Trichlorofluoromethane	1.488	101	8227	5.14	ug/L		98
9) Ethyl Ether	1.650	59	3498	4.53	ug/L		92
10) Ethanol	1.689	45	299m	51.25	ug/L		
11) 1,2-Dichlorotrifluoroe...	1.735	67	5699	4.78	ug/L		96
12) 1,1-Dichloroethene	1.750	61	6637	4.26	ug/L		95
13) Freon 113	1.781	101	4024	4.16	ug/L		94
14) Carbon Disulfide	1.773	76	13487	4.46	ug/L		98
15) Iodomethane	1.827	142	1832	3.11	ug/L		97
16) Acrolein	1.896	56	2336	18.02	ug/L		90
17) Allyl chloride	1.989	41	6006	3.77	ug/L		86
18) Methylene Chloride	2.035	49	13158	9.41	ug/L		94
19) Acetone	2.043	43	3829	20.10	ug/L		98
20) Methyl acetate	2.120	43	11548	20.69	ug/L		99
21) trans-1,2-Dichloroethene	2.127	61	6407	4.28	ug/L		88
22) Hexane	2.189	56	3605	3.61	ug/L		95
23) Methyl Tert Butyl Ether	2.181	73	9338	4.19	ug/L	#	52
24) Acetonitrile	2.266	41	4194	57.18	ug/L		96
25) Tert Butyl Alcohol	2.204	59	1856	38.67	ug/L	#	81
26) Di-isopropyl ether	2.381	45	12706	3.87	ug/L		96
27) Chloroprene	2.435	53	12457	4.08	ug/L		99
28) 1,1-Dichloroethane	2.435	63	8393	4.32	ug/L		98
29) Acrylonitrile	2.427	52	6607	21.02	ug/L		93
30) ETBE	2.574	59	11422	3.99	ug/L		98
31) Vinyl acetate	2.551	43	34567	18.84	ug/L		96
32) cis-1,2-Dichloroethene	2.712	96	4954	4.67	ug/L		95
33) 2,2-Dichloropropane	2.774	77	6387	4.55	ug/L		98
34) Bromochloromethane	2.812	128	2542	4.87	ug/L		94
35) Cyclohexane	2.851	56	7321	3.82	ug/L		92
36) Chloroform	2.851	83	8860	4.59	ug/L		98
37) Ethyl acetate	2.905	43	13852	19.80	ug/L		97
38) Tetrahydrofuran	2.943	42	937m	4.31	ug/L		
40) Carbon Tetrachloride	2.951	117	6274m	4.45	ug/L		
41) 1,1,1-Trichloroethane	2.982	97	7021	4.43	ug/L		98
42) 2-Butanone	2.997	43	6063	19.16	ug/L		92
43) 1,1-Dichloropropene	3.051	75	5496	4.45	ug/L		97
44) tert-Butyl formate	3.089	59	8931	17.69	ug/L		94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59233.D
Acq On : 18 Sep 2024 9:14 am
Operator : jeniferw
Sample : IC3047-2 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 18 12:49:41 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Propionitrile	3.135	54	3958	41.33	ug/L		97
46) Methacrylonitrile	3.159	41	18363	38.02	ug/L		98
47) Benzene	3.174	78	17930	4.49	ug/L		95
48) TAME	3.243	73	9020	4.13	ug/L		95
50) 1,2-Dichloroethane	3.266	62	6302	4.50	ug/L		96
51) Isobutyl Alcohol	3.243	43	4394	72.63	ug/L		92
52) Tert Amyl Alcohol	3.320	59	1129	32.19	ug/L		93
53) Trichloroethene	3.505	95	4990	4.52	ug/L		94
54) Methylcyclohexane	3.520	83	6818	4.03	ug/L		96
55) Dibromomethane	3.728	93	2827	4.78	ug/L		95
56) 1,2-Dichloropropane	3.782	63	4904	4.59	ug/L		94
57) Bromodichloromethane	3.820	83	6124	4.60	ug/L		97
58) Methyl methacrylate	3.913	41	2097	3.30	ug/L		82
59) 1,4-Dioxane	3.936	88	334m	70.60	ug/L		
60) 2-Chloroethyl vinyl ether	4.159	63	6880	17.05	ug/L		95
61) cis-1,3-Dichloropropene	4.205	75	6165	4.12	ug/L		98
64) Toluene	4.367	91	19847	4.84	ug/L		99
65) 2-Nitropropane	4.459	41	3103	22.17	ug/L		98
66) 4-Methyl-2-pentanone	4.575	43	12478	18.60	ug/L		98
67) trans-1,3-Dichloropropene	4.605	75	5169	4.10	ug/L		97
68) Tetrachloroethene	4.621	166	5214	5.01	ug/L		96
69) Ethyl methacrylate	4.721	69	3158	3.67	ug/L		88
70) 1,1,2-Trichloroethane	4.705	83	2947	4.80	ug/L		97
71) Dibromochloromethane	4.836	129	3707	4.44	ug/L		96
72) 1,3-Dichloropropane	4.890	76	5949	4.60	ug/L		94
73) 1,2-Dibromoethane	4.990	107	3399	4.78	ug/L		97
74) 3,3-Dimethyl-1-Butanol	5.113	57	8784	196.05	ug/L		97
75) 2-hexanone	5.136	43	9732	18.78	ug/L		82
76) 1-Chlorohexane	5.360	91	5855m	3.76	ug/L		
77) Ethylbenzene	5.390	91	22117m	4.89	ug/L		
78) Chlorobenzene	5.360	112	12657	4.88	ug/L		93
79) 1,1,1,2-Tetrachloroethane	5.406	131	3775	4.53	ug/L		99
80) m,p-Xylene	5.491	91	33136	9.24	ug/L		99
81) o-Xylene	5.798	91	16361	4.58	ug/L		96
82) Styrene	5.829	104	11594	4.59	ug/L		97
83) Bromoform	5.829	173	2042	4.56	ug/L		93
84) Isopropylbenzene	6.037	105	18757	4.56	ug/L		96
87) cis-1,4-Dichloro-2-butene	6.260	53	993m	3.84	ug/L		
88) n-Propylbenzene	6.345	91	24097	4.76	ug/L		97
89) Bromobenzene	6.299	156	5072	4.86	ug/L		96
90) 1,1,2,2-Tetrachloroethane	6.368	83	3454	4.45	ug/L		88
91) 1,3,5-Trimethylbenzene	6.499	105	14380	4.40	ug/L		100
92) 2-Chlorotoluene	6.445	91	13865	4.72	ug/L		98
93) trans-1,4-Dichloro-2-B...	6.499	53	1255	3.80	ug/L		94
94) 1,2,3-Trichloropropane	6.460	110	1005m	4.85	ug/L		
95) Cyclohexanone	6.406	55	471m	26.30	ug/L		
96) 4-Chlorotoluene	6.576	91	13568	4.46	ug/L		95
97) tert-Butylbenzene	6.737	91	9162	4.57	ug/L		95
98) 1,2,4-Trimethylbenzene	6.791	105	13689	4.47	ug/L		95
99) Pentachloroethane	6.737	167	2209	4.26	ug/L	#	79
100) sec-Butylbenzene	6.884	105	19187	4.64	ug/L		97
101) 4-Isopropyltoluene	6.999	119	15301	4.58	ug/L		98
102) 1,3-Dichlorobenzene	7.030	146	8960	4.93	ug/L		98
103) 1,2,3-Trimethylbenzene	7.130	105	14587	4.63	ug/L		98
104) 1,4-Dichlorobenzene	7.099	146	8859	4.80	ug/L		94
105) n-Butylbenzene	7.330	92	7038	4.57	ug/L		96
106) Benzyl Chloride	7.284	126	903m	4.74	ug/L		
107) 1,2-Dichlorobenzene	7.422	146	7380	4.63	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59233.D
Acq On : 18 Sep 2024 9:14 am
Operator : jeniferw
Sample : IC3047-2 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 18 12:49:41 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration

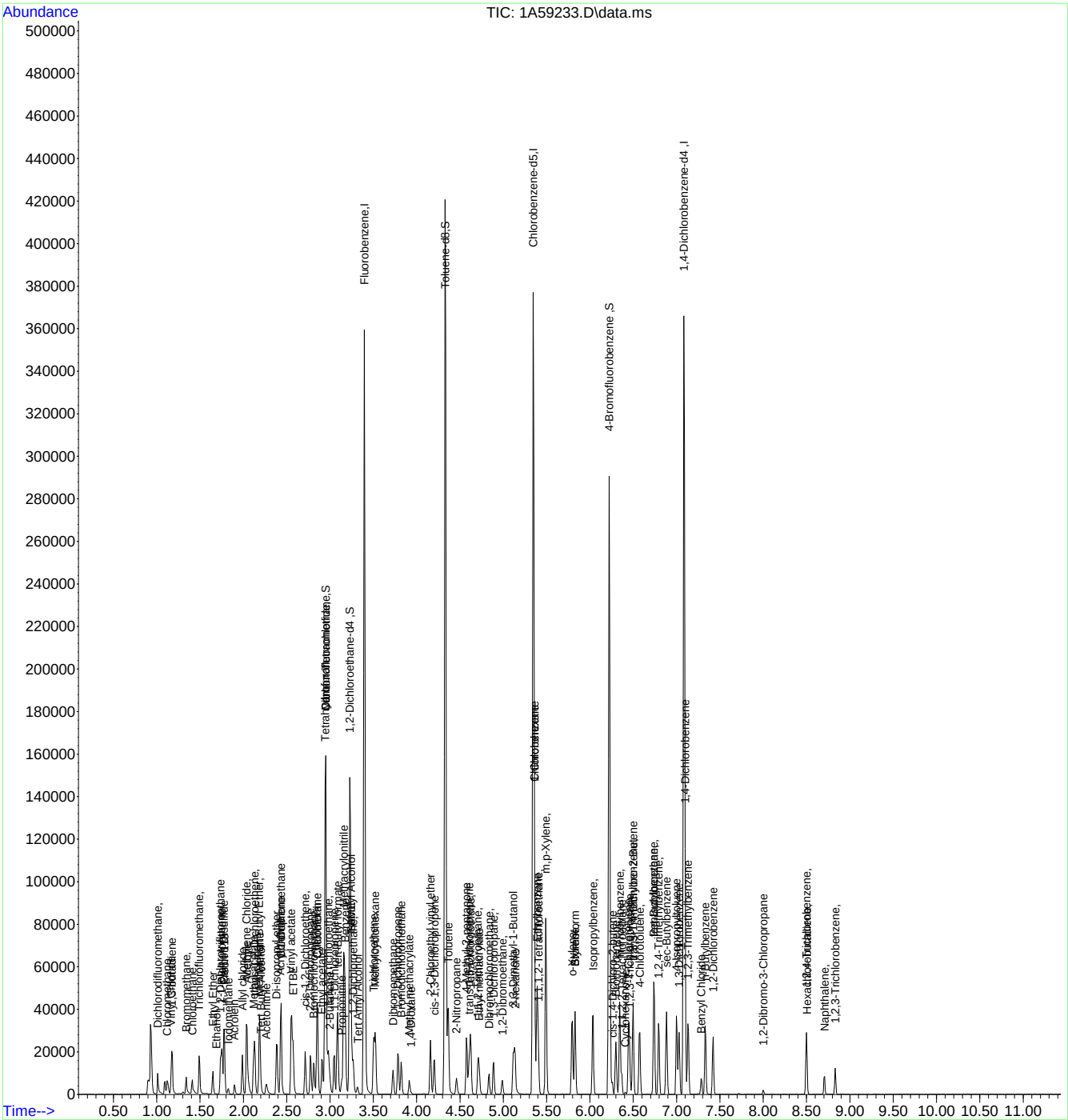
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) 1,2-Dibromo-3-Chloropr...	8.000	75	396m	3.74	ug/L	
109) Hexachlorobutadiene	8.508	225	2061	4.71	ug/L	86
110) 1,2,4-Trichlorobenzene	8.500	180	3313	4.29	ug/L	92
111) Naphthalene	8.708	128	4702	4.23	ug/L	97
112) 1,2,3-Trichlorobenzene	8.831	180	2546	4.36	ug/L	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59233.D
Acq On : 18 Sep 2024 9:14 am
Operator : jeniferw
Sample : IC3047-2 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 18 12:49:41 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration



Manual Integration Approval Summary

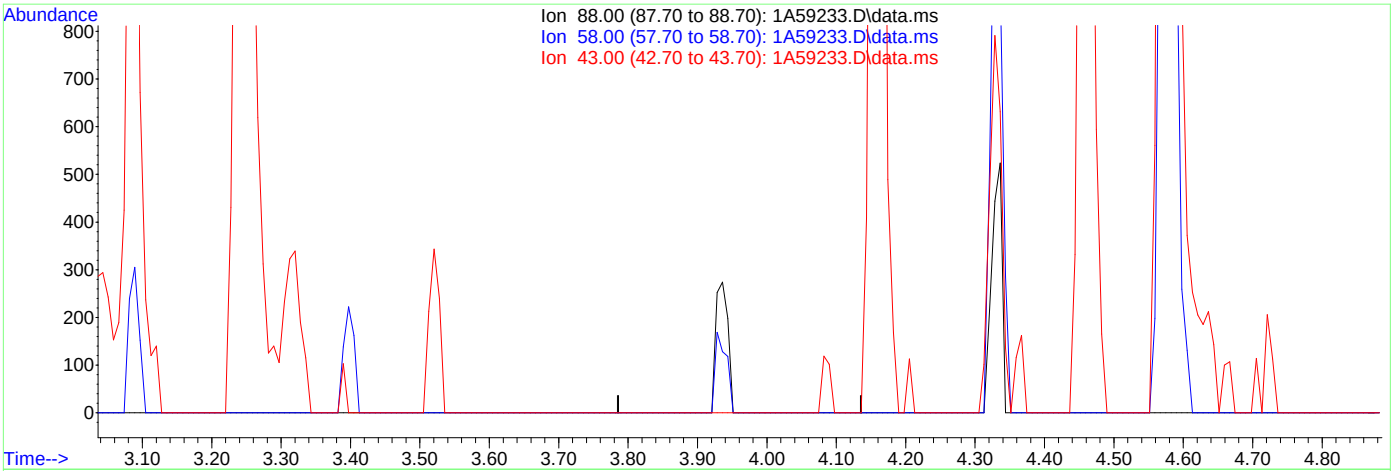
Sample Number: V1A3047-IC3047 **Method:** SW846 8260D
Lab FileID: 1A59233.D **Analyst approved:** 09/18/24 14:30 Jenifer Willis
Injection Time: 09/18/24 09:14 **Supervisor approved:** 09/18/24 15:09 Karen Watson

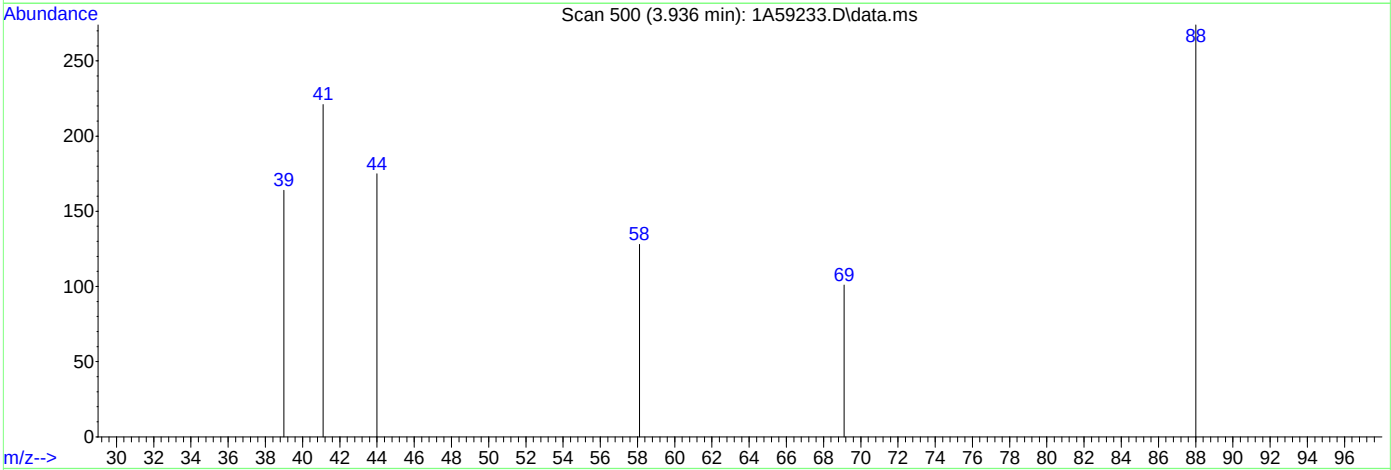
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		1.69	Poorly defined baseline
Tetrahydrofuran	109-99-9		2.94	Missed peak
Carbon Tetrachloride	56-23-5		2.95	Overlapping peak
1,4-Dioxane	123-91-1		3.94	Missed peak
1-Chlorohexane	544-10-5		5.36	Overlapping peak
Ethylbenzene	100-41-4		5.39	Overlapping peak
cis-1,4-Dichloro-2-Butene	1476-11-5		6.26	Missed peak
Cyclohexanone	108-94-1		6.41	Missed peak
1,2,3-Trichloropropane	96-18-4		6.46	Missed peak
Benzyl Chloride	100-44-7		7.28	Missed peak
1,2-Dibromo-3-chloropropane	96-12-8		8.00	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59233.D
Acq On : 18 Sep 2024 9:14 am
Operator : jeniferw
Sample : IC3047-2 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
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Quant Time: Sep 18 11:46:20 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59233.D\data.ms

(59) 1,4-Dioxane

3.936min (-3.936) 0.00ug/L

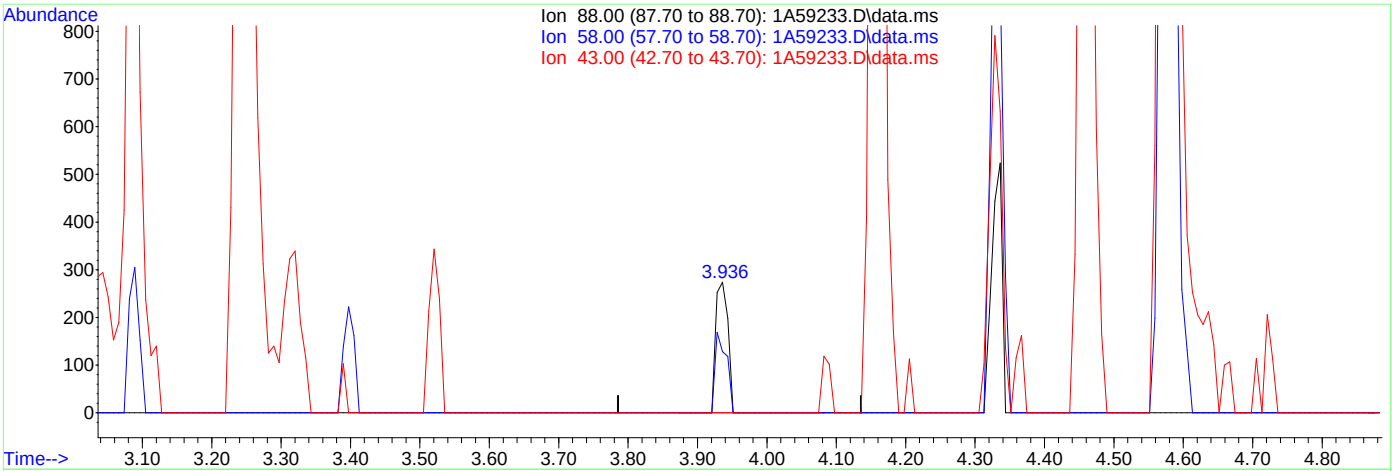
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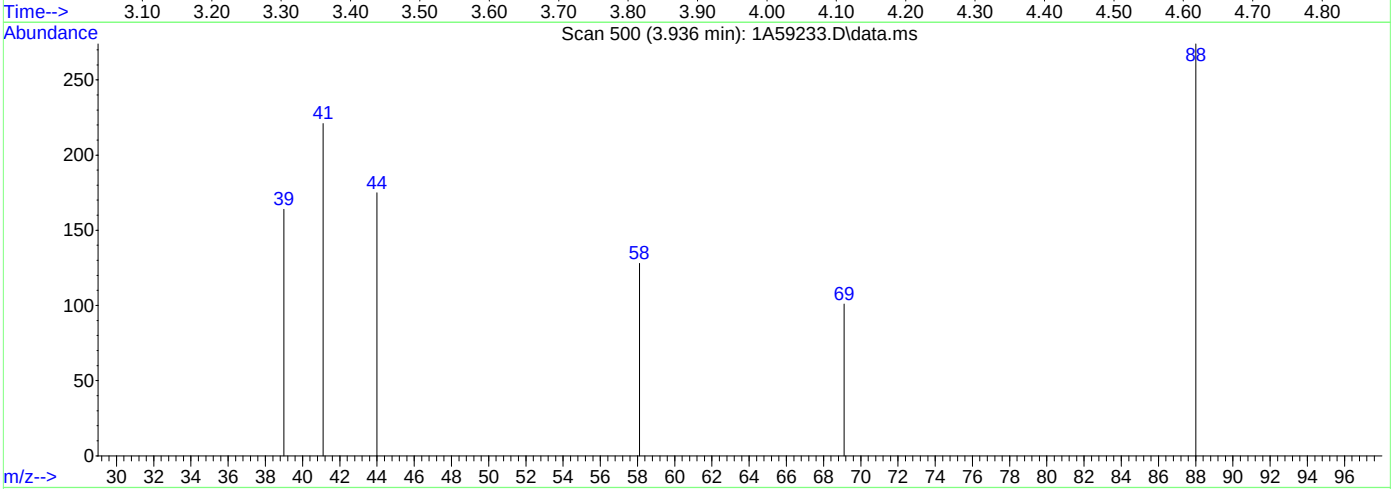
Ion	Exp%	Act%
88.00	100	0.00
58.00	68.90	0.00#
43.00	24.60	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59233.D
Acq On : 18 Sep 2024 9:14 am
Operator : jeniferw
Sample : IC3047-2 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 18 11:46:20 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59233.D\data.ms

(59) 1,4-Dioxane

3.936min (-0.000) 70.60ug/L m

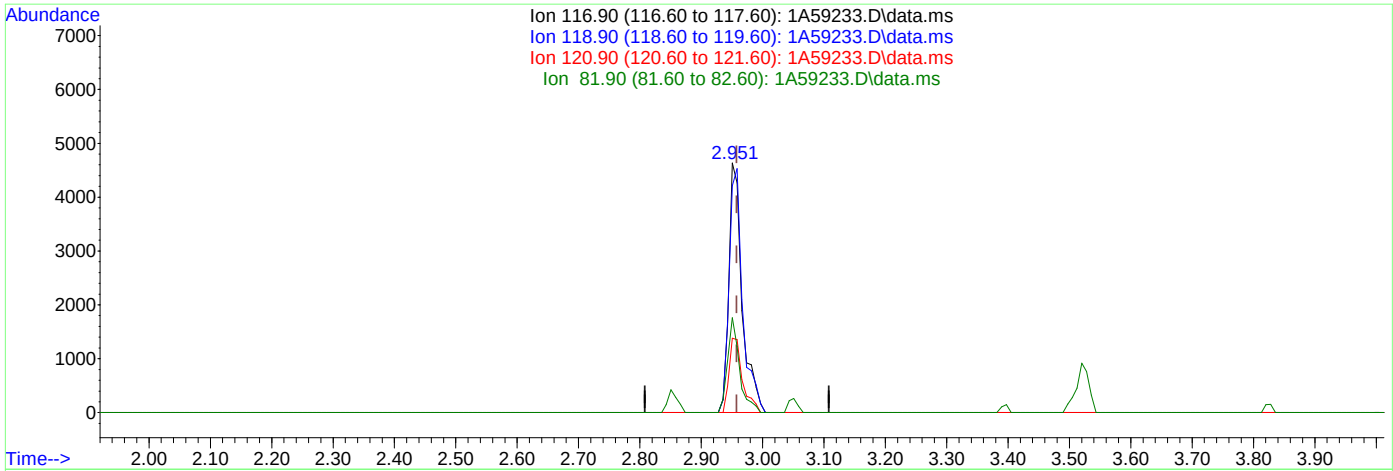
response 334

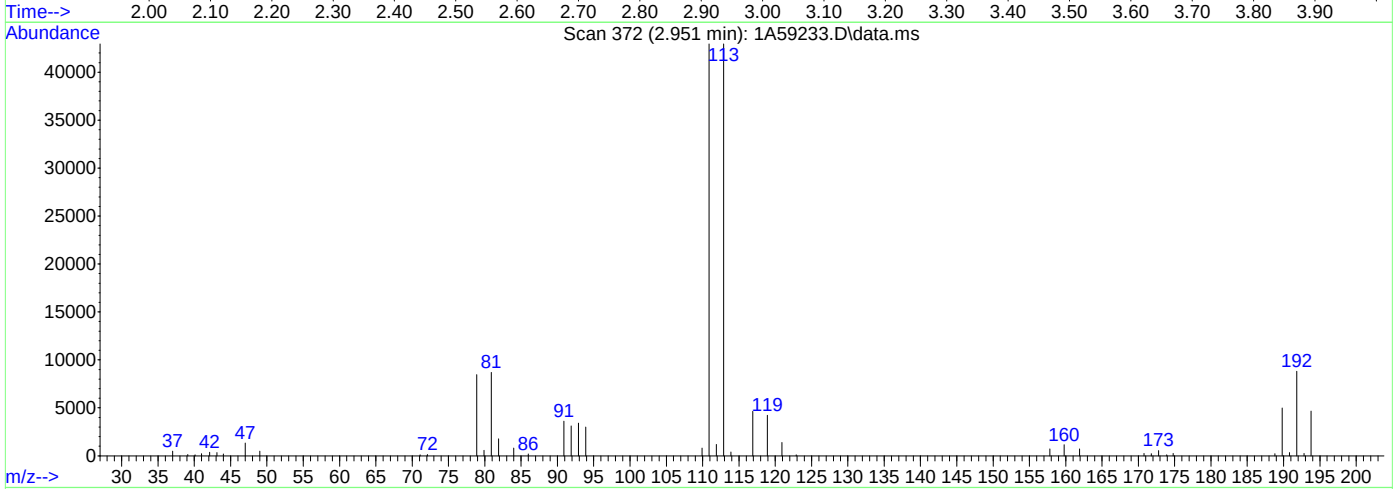
Ion	Exp%	Act%
88.00	100	100
58.00	68.90	46.72
43.00	24.60	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59233.D
Acq On : 18 Sep 2024 9:14 am
Operator : jeniferw
Sample : IC3047-2 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 18 11:46:20 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59233.D\data.ms

(40) Carbon Tetrachloride ( )

2.951min (-0.007) 4.95ug/L

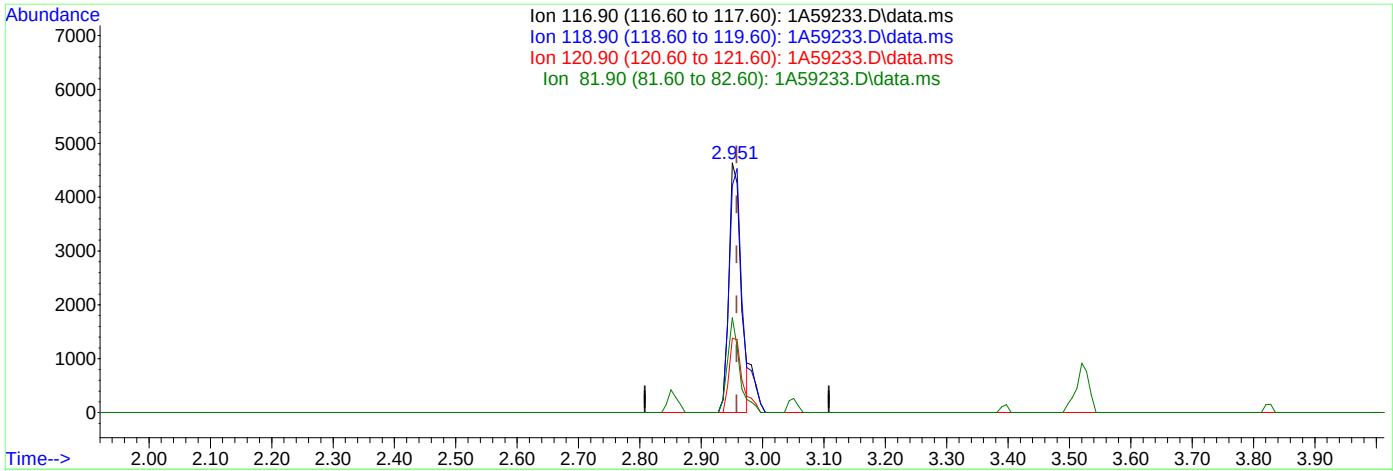
response 6978

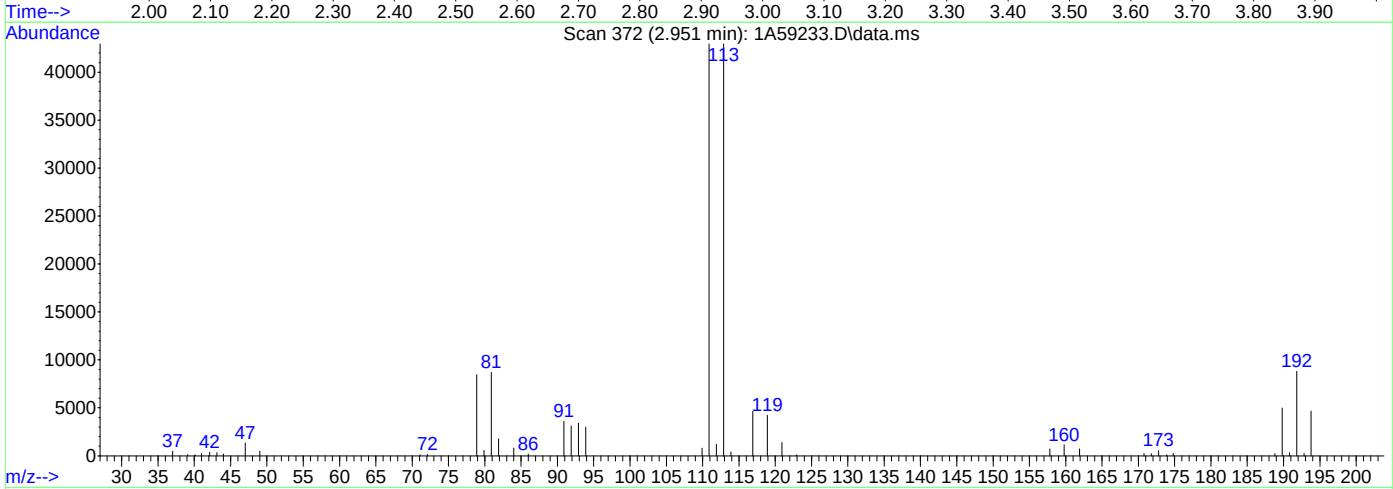
Ion	Exp%	Act%
116.90	100	100
118.90	96.70	90.81
120.90	32.00	29.77
81.90	24.70	38.03

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59233.D
Acq On : 18 Sep 2024 9:14 am
Operator : jeniferw
Sample : IC3047-2 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 18 11:46:20 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59233.D\data.ms

(40) Carbon Tetrachloride ( )

2.951min (-0.007) 4.45ug/L m

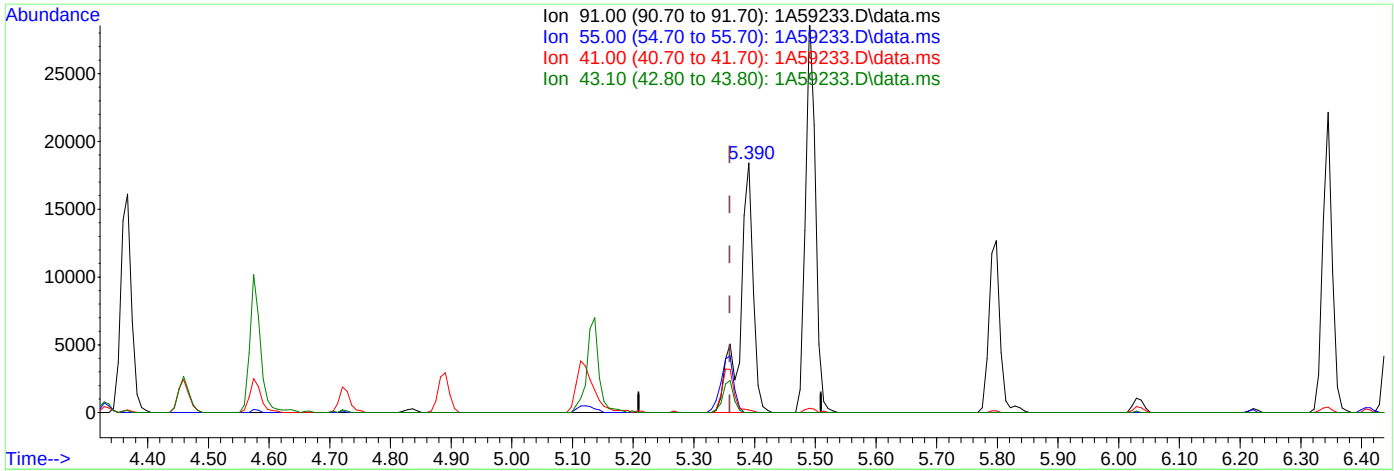
response 6274

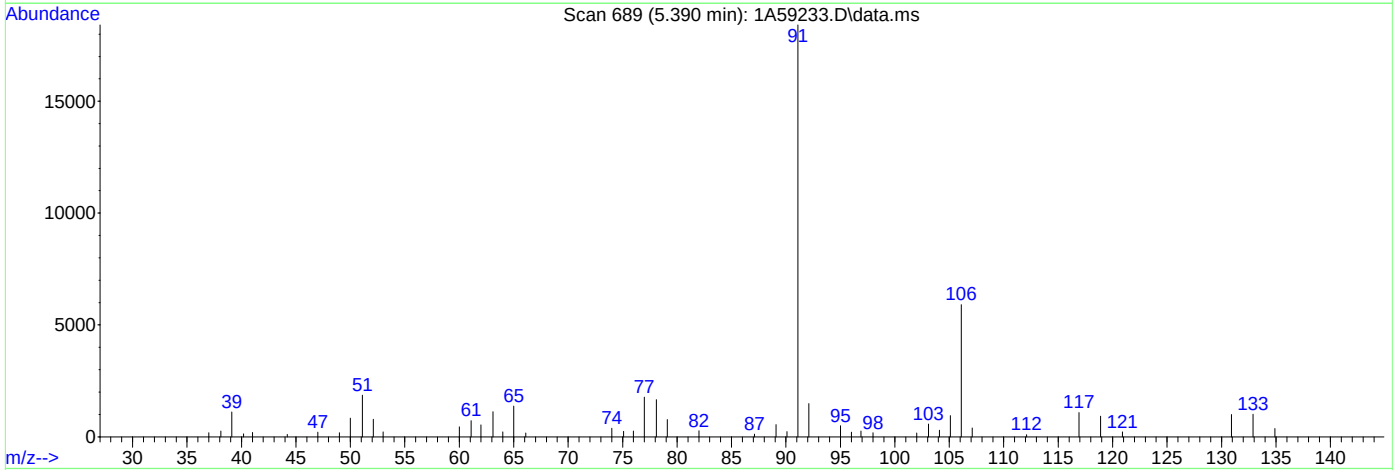
Ion	Exp%	Act%
116.90	100	100
118.90	96.70	90.81
120.90	32.00	29.77
81.90	24.70	38.03

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59233.D
Acq On : 18 Sep 2024 9:14 am
Operator : jeniferw
Sample : IC3047-2 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 18 11:46:20 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59233.D\data.ms

(76) 1-Chlorohexane

5.390min (+0.031) 17.95ug/L

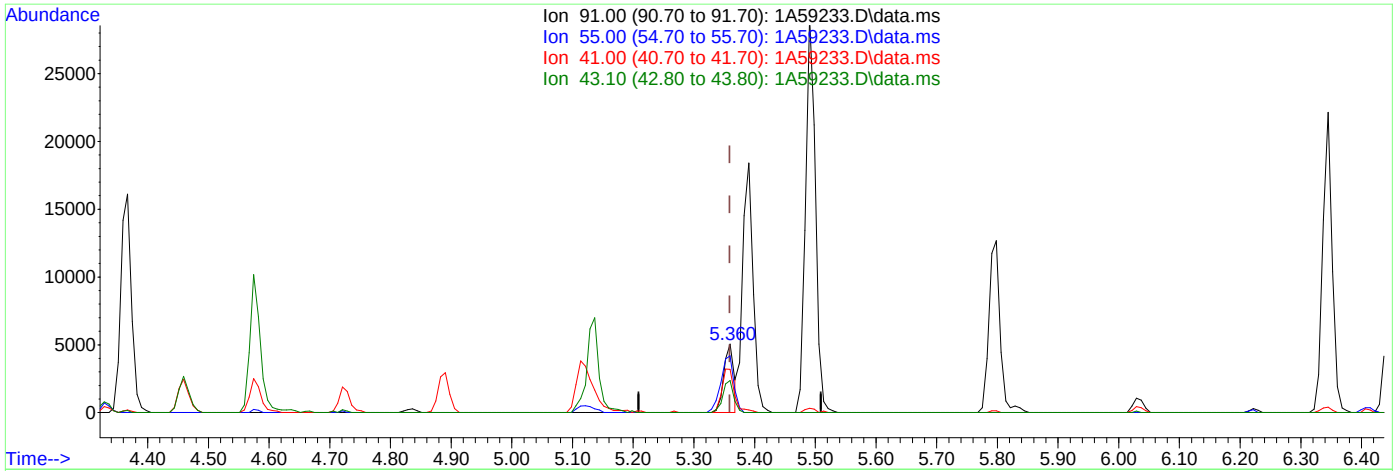
response 27977

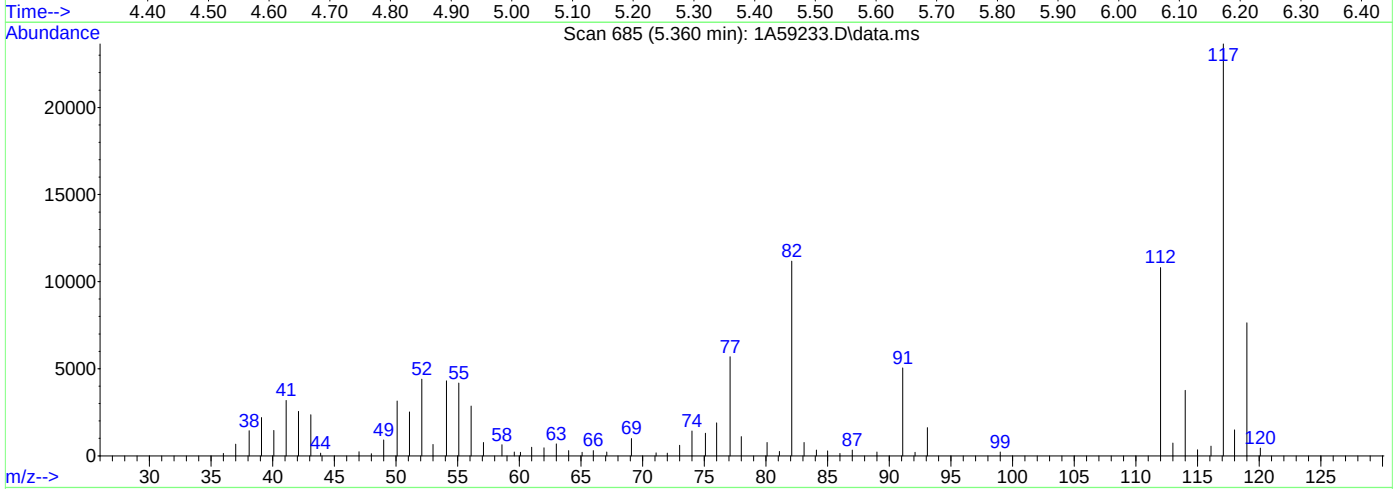
Ion	Exp%	Act%
91.00	100	100
55.00	77.50	0.00#
41.00	62.80	1.05#
43.10	51.70	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59233.D
Acq On : 18 Sep 2024 9:14 am
Operator : jeniferw
Sample : IC3047-2 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 18 11:46:20 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59233.D\data.ms

(76) 1-Chlorohexane

5.360min (+0.001) 3.76ug/L m

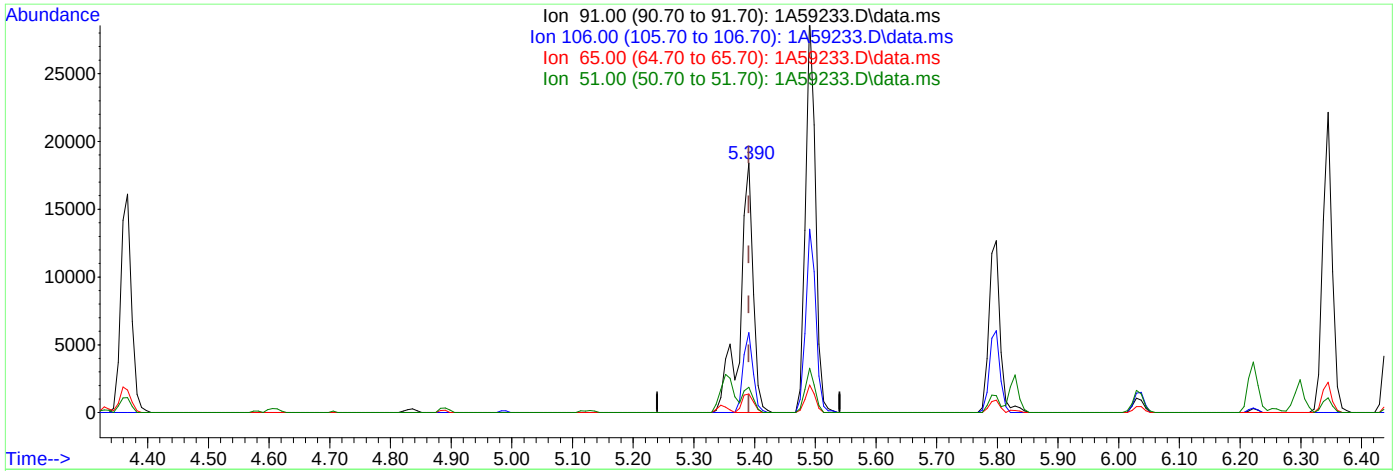
response 5855

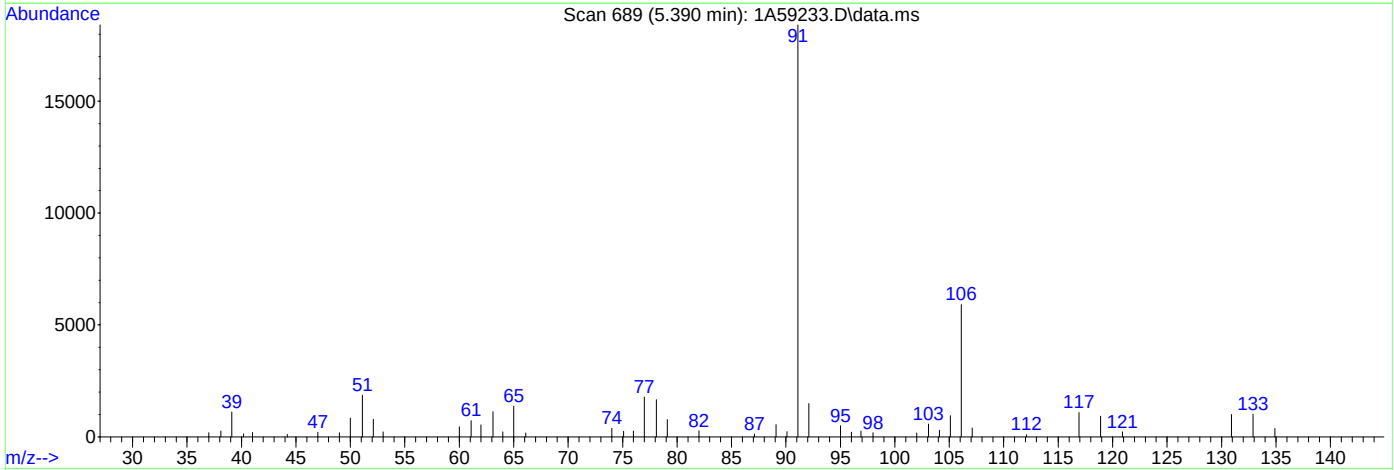
Ion	Exp%	Act%
91.00	100	100
55.00	77.50	82.89
41.00	62.80	63.09
43.10	51.70	46.86

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59233.D
Acq On : 18 Sep 2024 9:14 am
Operator : jeniferw
Sample : IC3047-2 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 18 11:46:20 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59233.D\data.ms

(77) Ethylbenzene

5.390min (+0.000) 6.18ug/L

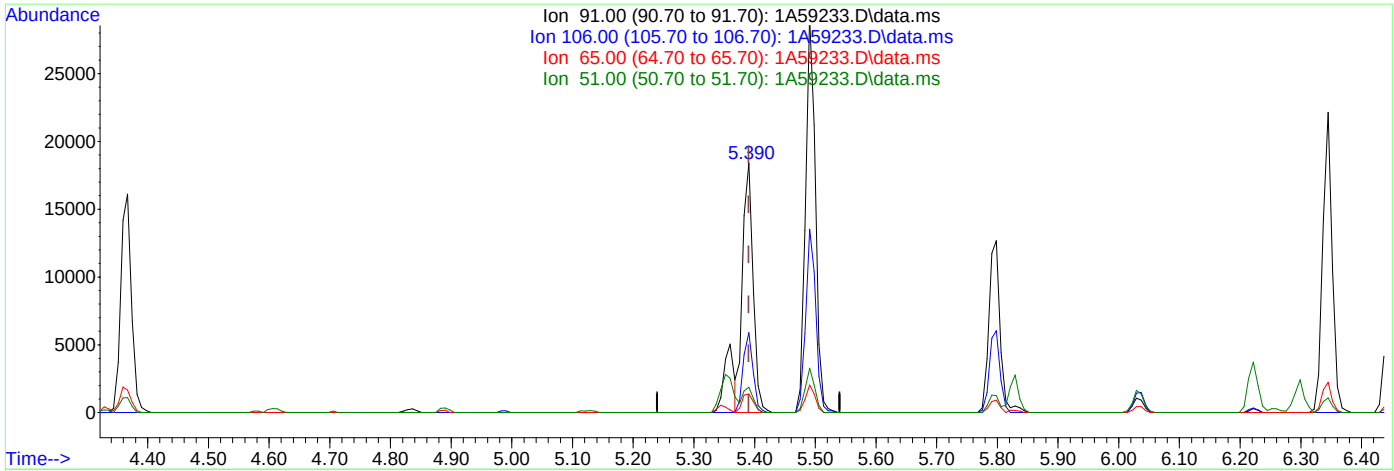
response 27977

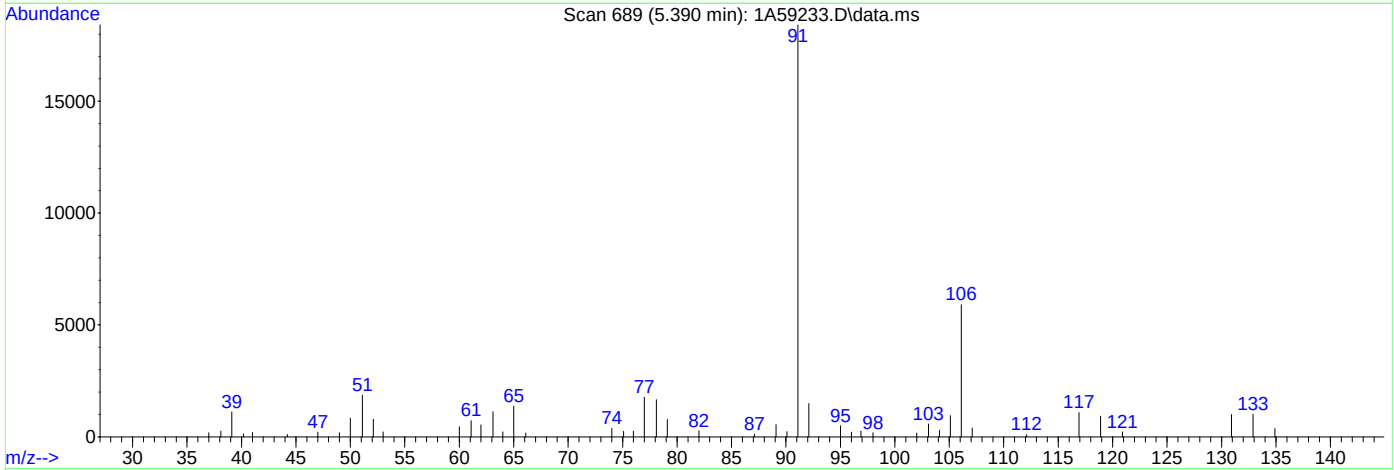
Ion	Exp%	Act%
91.00	100	100
106.00	29.70	32.09
65.00	9.20	7.44
51.00	10.90	10.13

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59233.D
Acq On : 18 Sep 2024 9:14 am
Operator : jeniferw
Sample : IC3047-2 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 18 11:46:20 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59233.D\data.ms

(77) Ethylbenzene

5.390min (+0.000) 4.89ug/L m

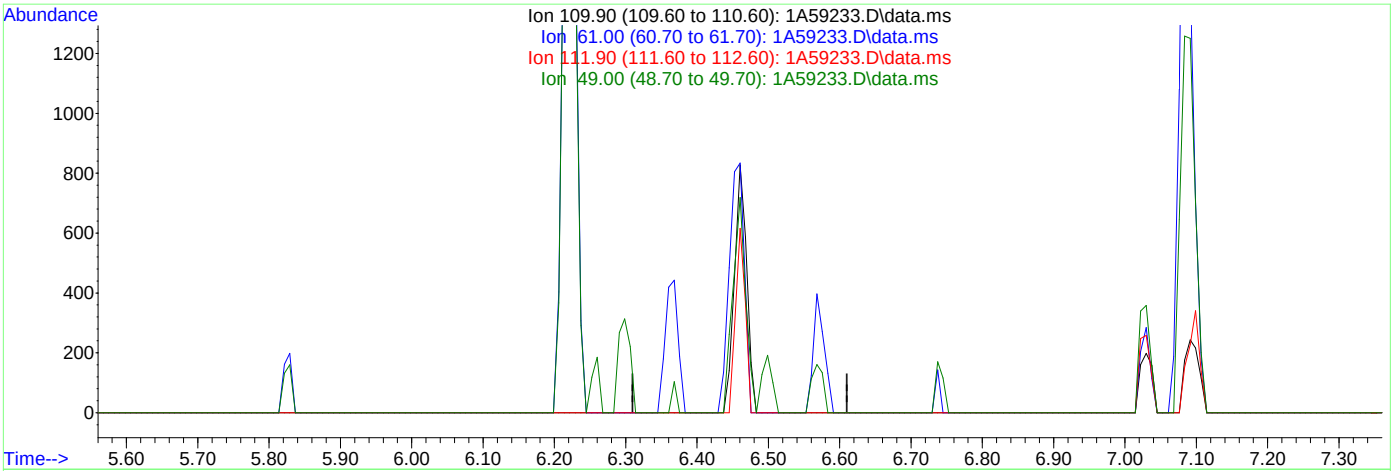
response 22117

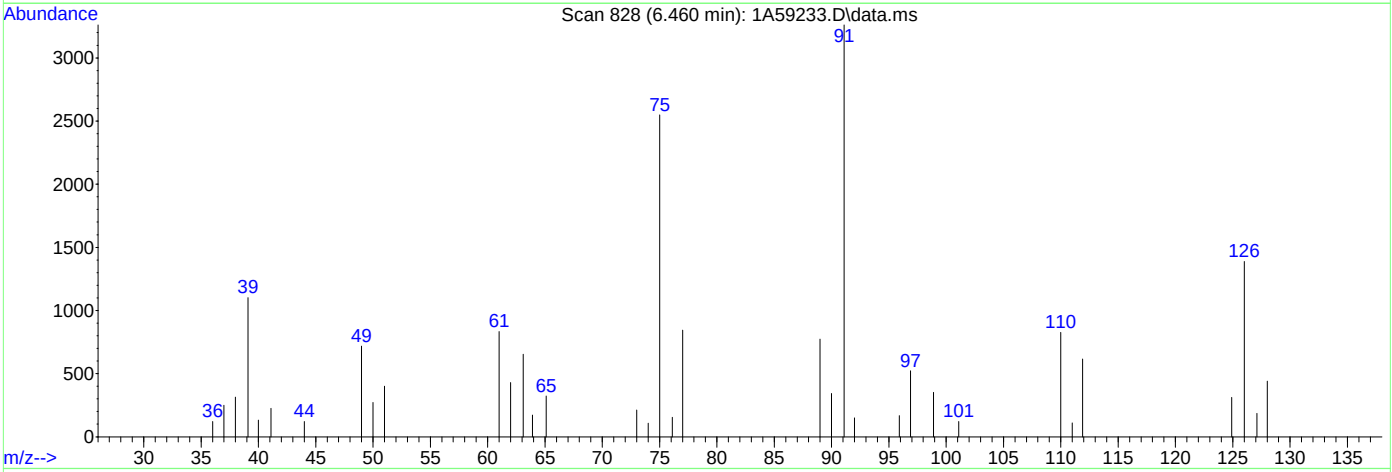
Ion	Exp%	Act%
91.00	100	100
106.00	29.70	32.09
65.00	9.20	7.44
51.00	10.90	10.13

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59233.D
Acq On : 18 Sep 2024 9:14 am
Operator : jeniferw
Sample : IC3047-2 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 18 11:46:20 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59233.D\data.ms

(94) 1,2,3-Trichloropropane ( )

6.460min (-6.460) 0.00ug/L

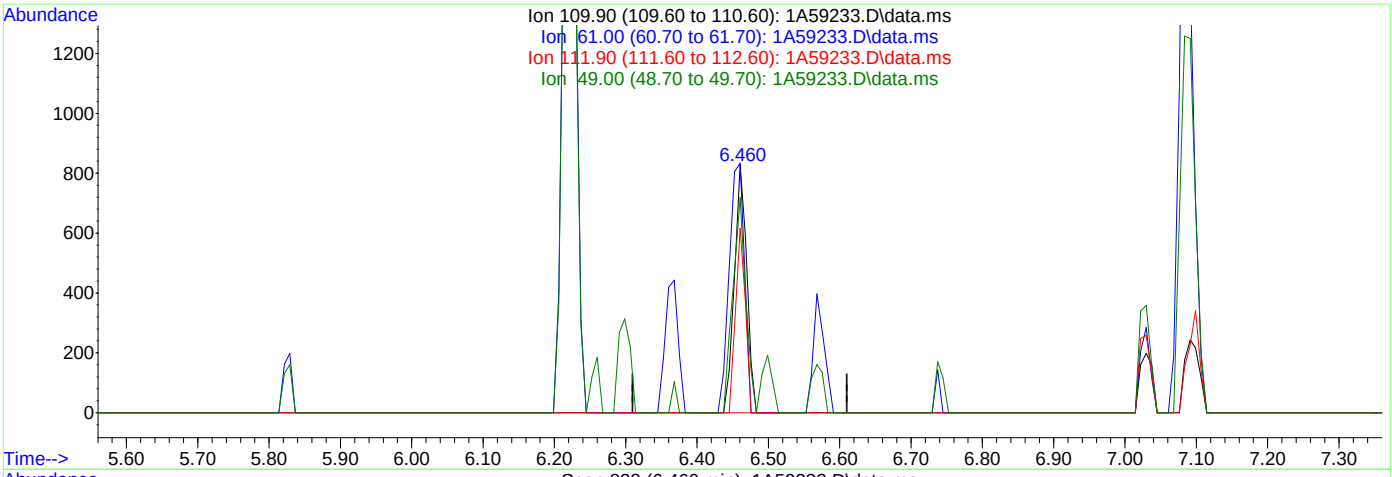
response 0

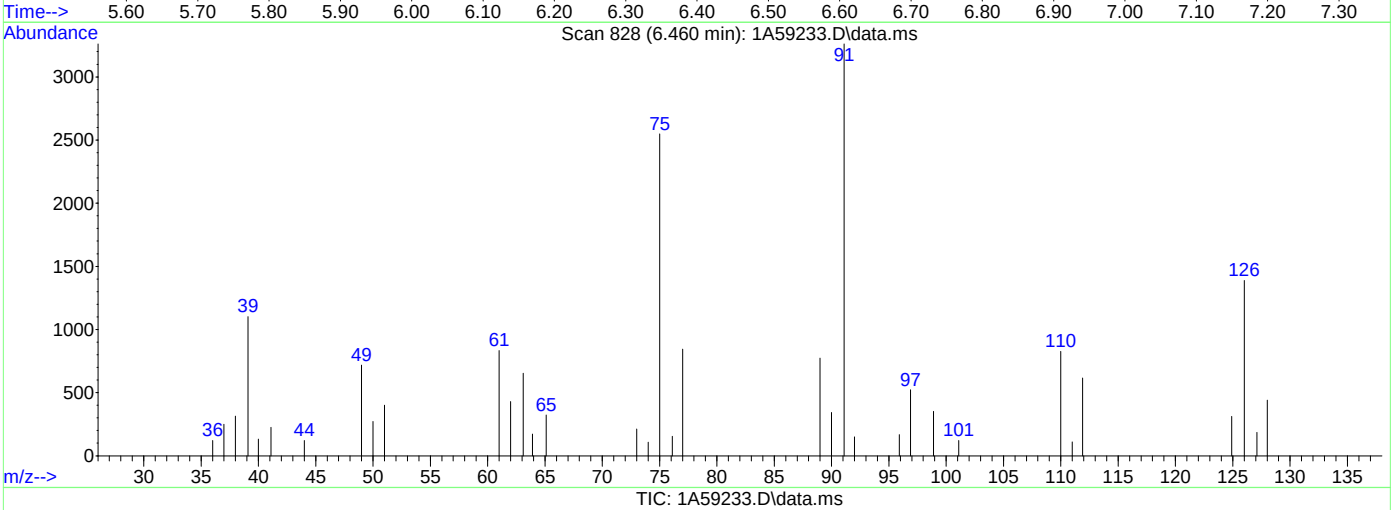
Ion	Exp%	Act%
109.90	100	0.00
61.00	84.10	0.00#
111.90	67.50	0.00#
49.00	69.70	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59233.D
Acq On : 18 Sep 2024 9:14 am
Operator : jeniferw
Sample : IC3047-2 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 18 11:46:20 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59233.D\data.ms

(94) 1,2,3-Trichloropropane ( )

6.460min (+0.000) 4.85ug/L m

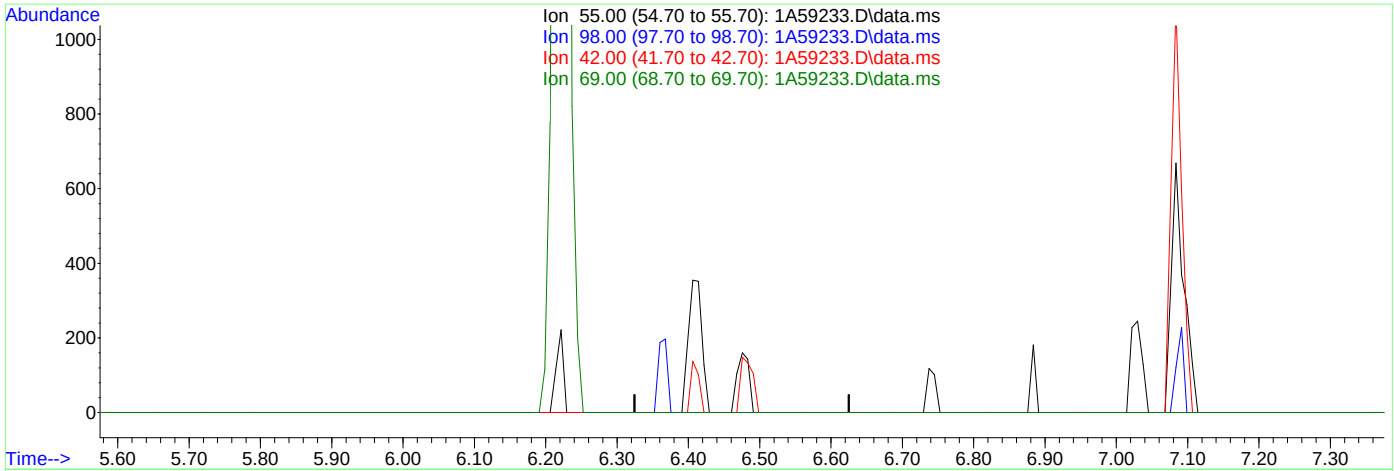
response 1005

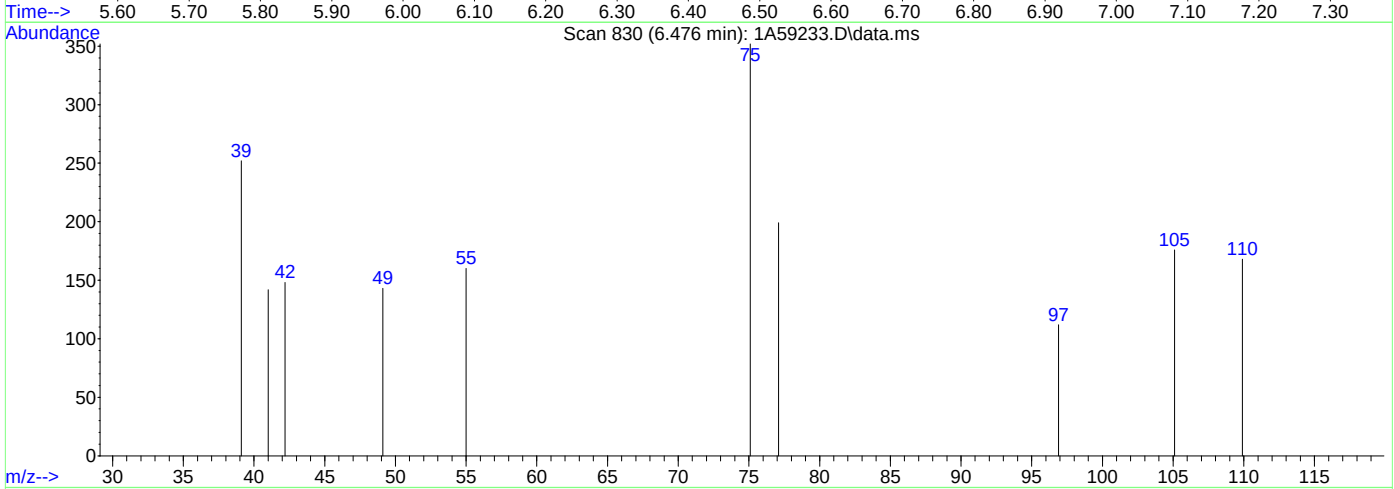
Ion	Exp%	Act%
109.90	100	100
61.00	84.10	100.85
111.90	67.50	74.49
49.00	69.70	86.94

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59233.D
Acq On : 18 Sep 2024 9:14 am
Operator : jeniferw
Sample : IC3047-2 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 18 11:46:20 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59233.D\data.ms

(95) Cyclohexanone

6.475min (-6.475) 0.00ug/L

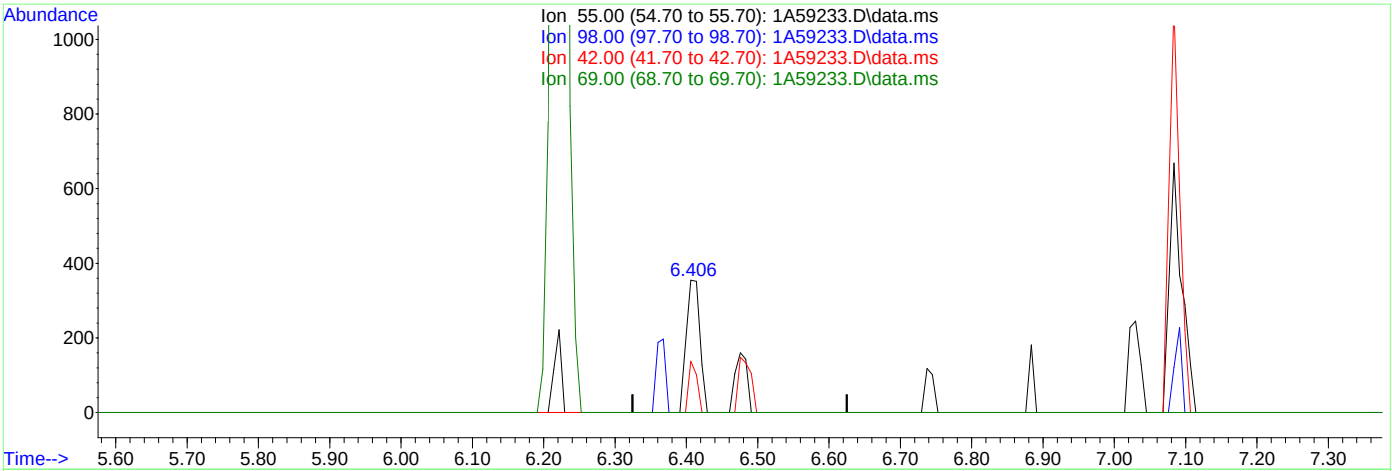
response 0

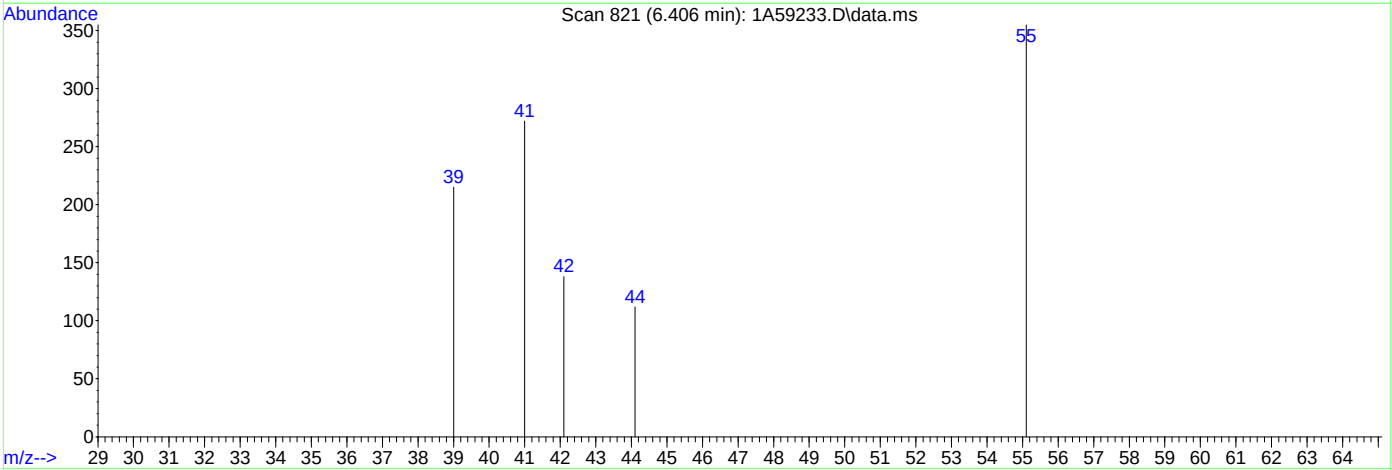
Ion	Exp%	Act%
55.00	100	0.00
98.00	41.70	0.00#
42.00	68.30	0.00#
69.00	29.80	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59233.D
Acq On : 18 Sep 2024 9:14 am
Operator : jeniferw
Sample : IC3047-2 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 18 11:46:20 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59233.D\data.ms

(95) Cyclohexanone

6.406min (-0.069) 26.30ug/L m

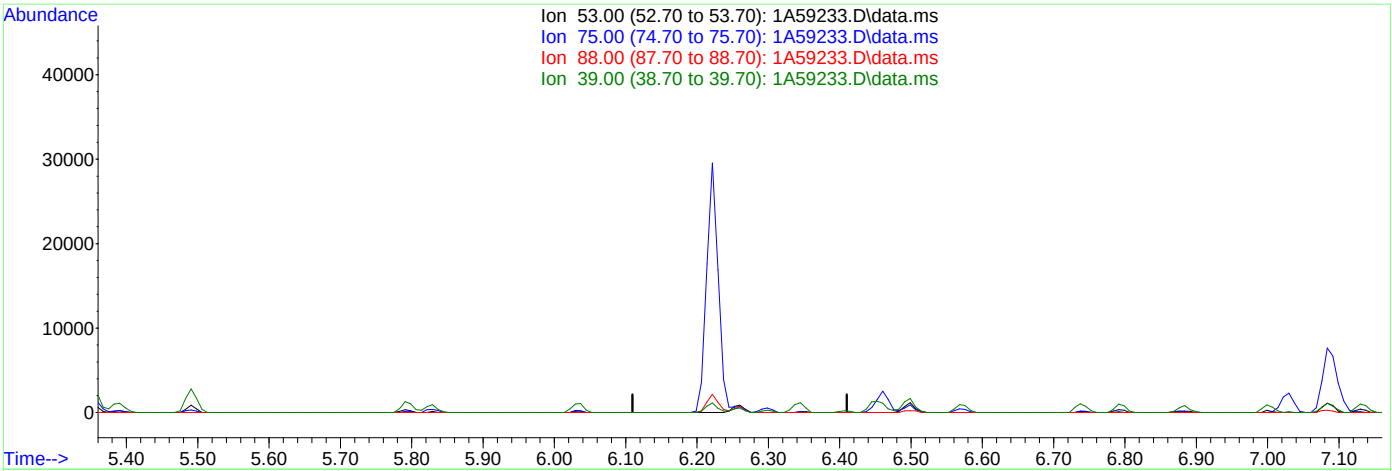
response 471

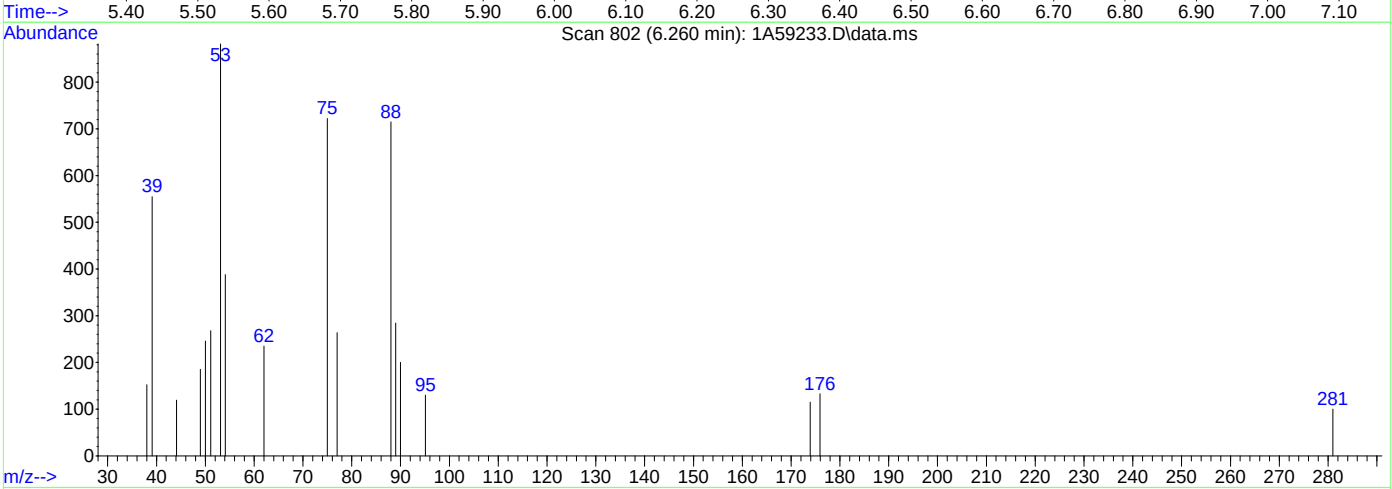
Ion	Exp%	Act%
55.00	100	100
98.00	41.70	0.00#
42.00	68.30	38.87#
69.00	29.80	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59233.D
Acq On : 18 Sep 2024 9:14 am
Operator : jeniferw
Sample : IC3047-2 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 18 11:46:20 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59233.D\data.ms

(87) cis-1,4-Dichloro-2-butene

6.260min (-6.260) 0.00ug/L

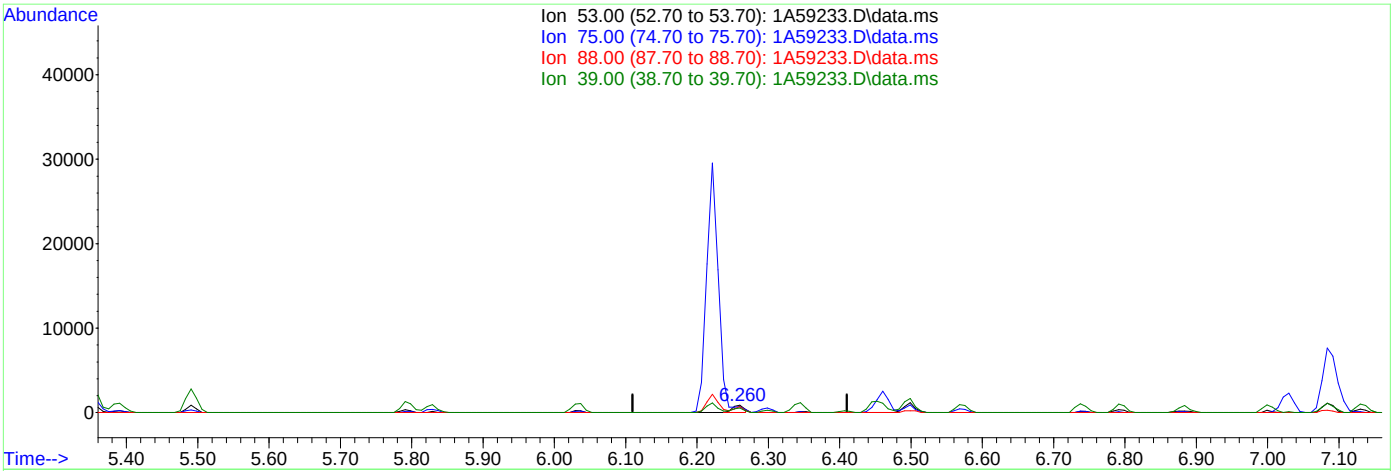
response 0

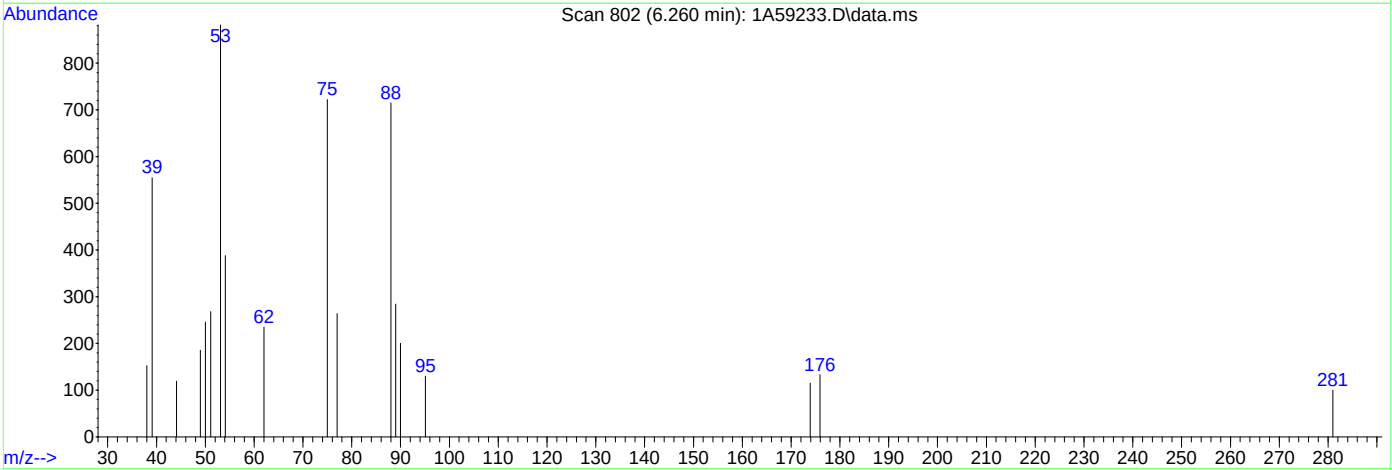
Ion	Exp%	Act%
53.00	100	0.00
75.00	40.30	0.00#
88.00	97.50	0.00#
39.00	39.80	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59233.D
Acq On : 18 Sep 2024 9:14 am
Operator : jeniferw
Sample : IC3047-2 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 18 11:46:20 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59233.D\data.ms

(87) cis-1,4-Dichloro-2-butene

6.260min (+0.000) 3.84ug/L m

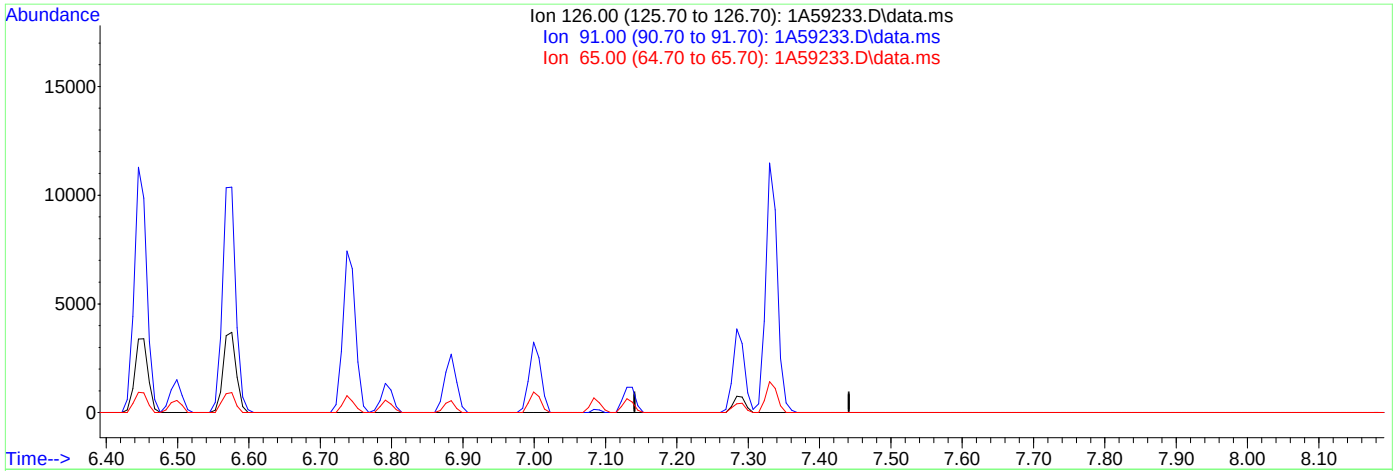
response 993

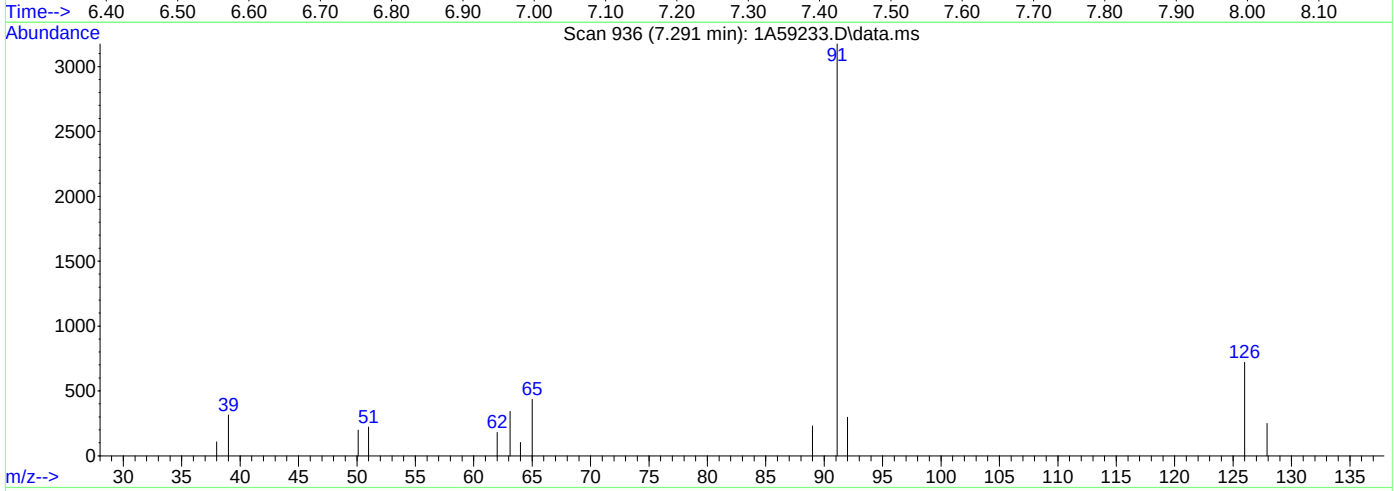
Ion	Exp%	Act%
53.00	100	100
75.00	40.30	81.86#
88.00	97.50	81.07
39.00	39.80	62.93#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59233.D
Acq On : 18 Sep 2024 9:14 am
Operator : jeniferw
Sample : IC3047-2 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 18 11:46:20 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59233.D\data.ms

(106) Benzyl Chloride

7.291min (-7.291) 0.00ug/L

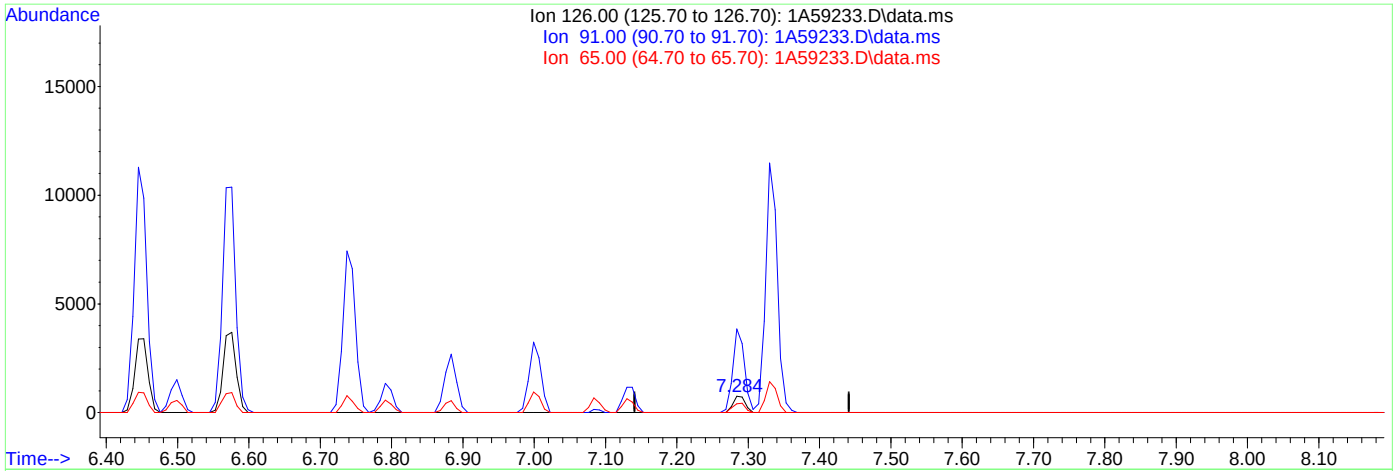
response 0

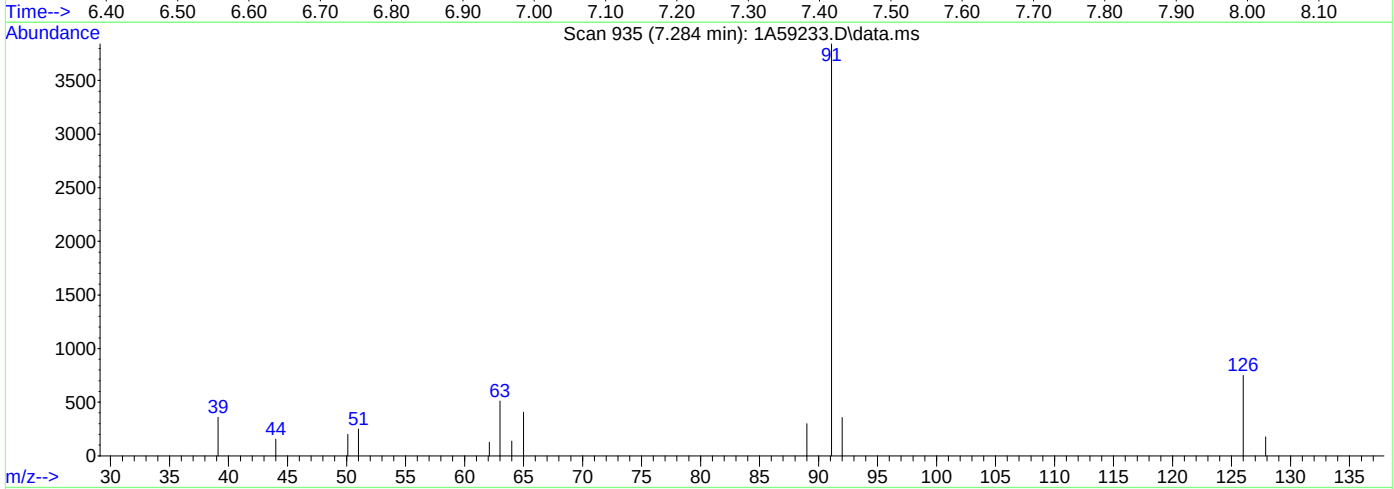
Ion	Exp%	Act%
126.00	100	0.00
91.00	481.00	0.00#
65.00	59.00	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59233.D
Acq On : 18 Sep 2024 9:14 am
Operator : jeniferw
Sample : IC3047-2 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 18 11:46:20 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59233.D\data.ms

(106) Benzyl Chloride

7.284min (-0.007) 4.74ug/L m

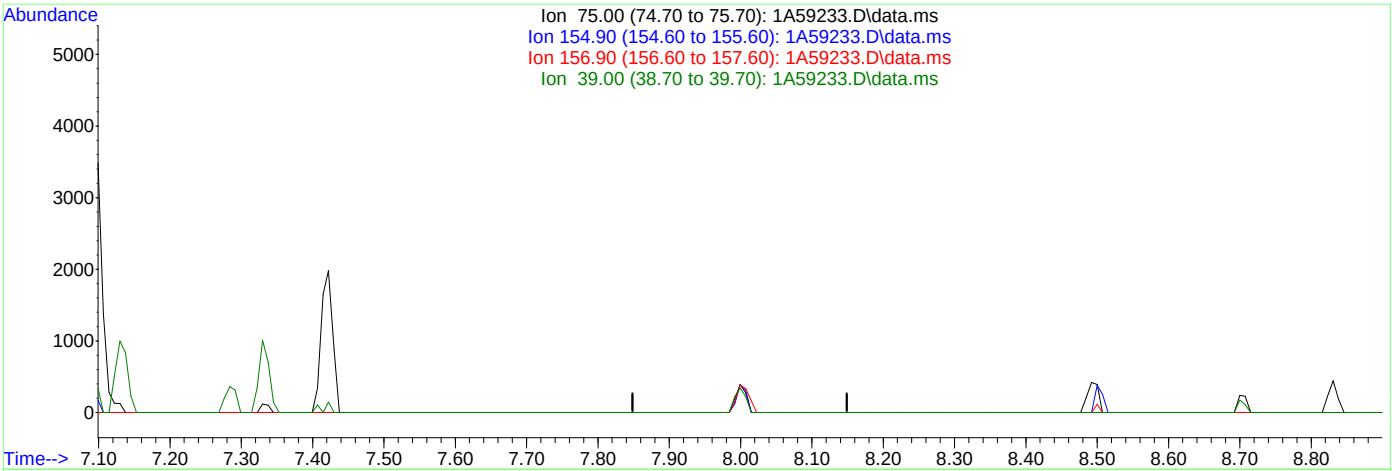
response 903

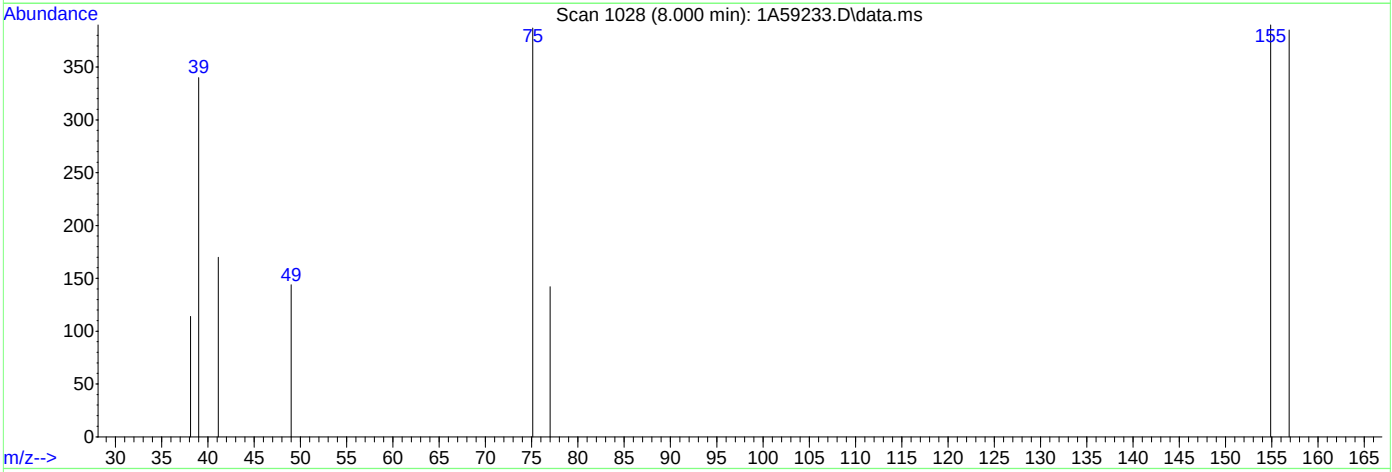
Ion	Exp%	Act%
126.00	100	100
91.00	481.00	512.95#
65.00	59.00	54.21
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59233.D
Acq On : 18 Sep 2024 9:14 am
Operator : jeniferw
Sample : IC3047-2 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 18 11:46:20 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59233.D\data.ms

(108) 1,2-Dibromo-3-Chloropropane

7.999min (-7.999) 0.00ug/L

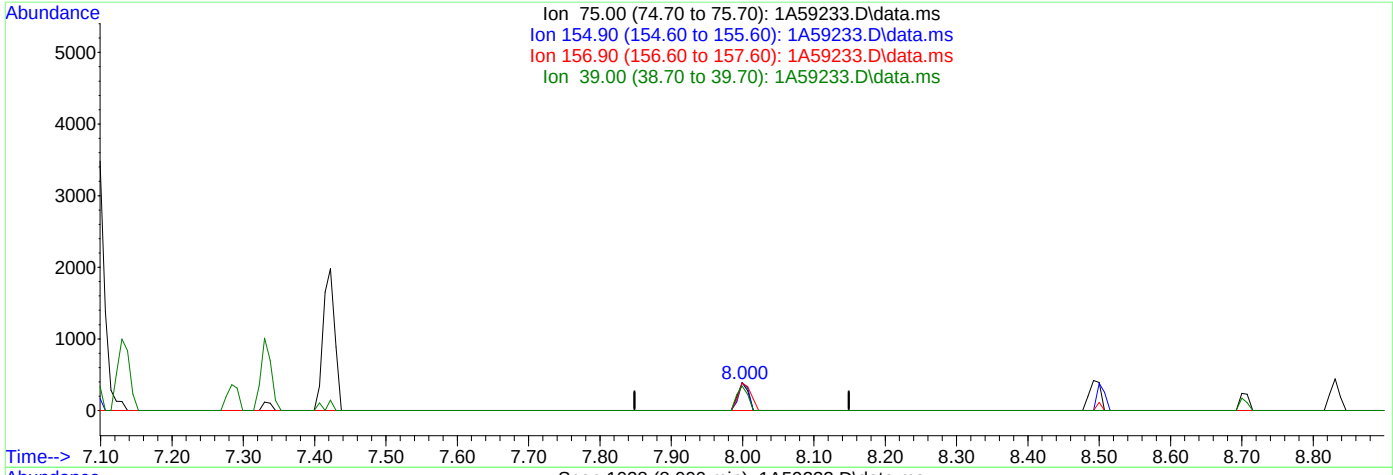
response 0

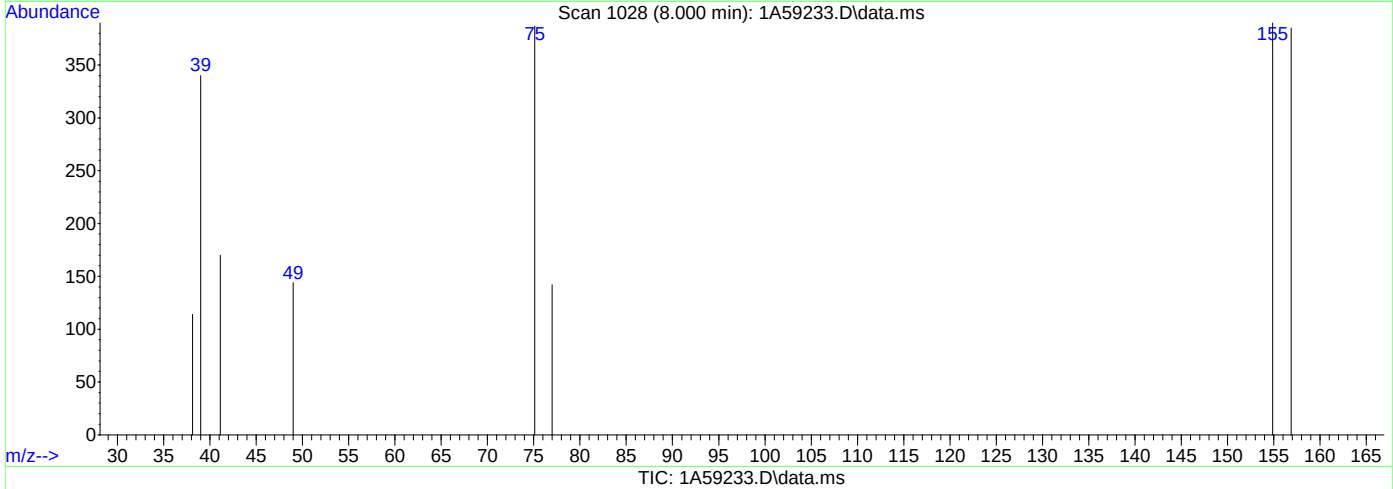
Ion	Exp%	Act%
75.00	100	0.00
154.90	75.30	0.00#
156.90	96.90	0.00#
39.00	77.50	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59233.D
Acq On : 18 Sep 2024 9:14 am
Operator : jeniferw
Sample : IC3047-2 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 18 11:46:20 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59233.D\data.ms

(108) 1,2-Dibromo-3-Chloropropane

8.000min (+0.001) 3.74ug/L m

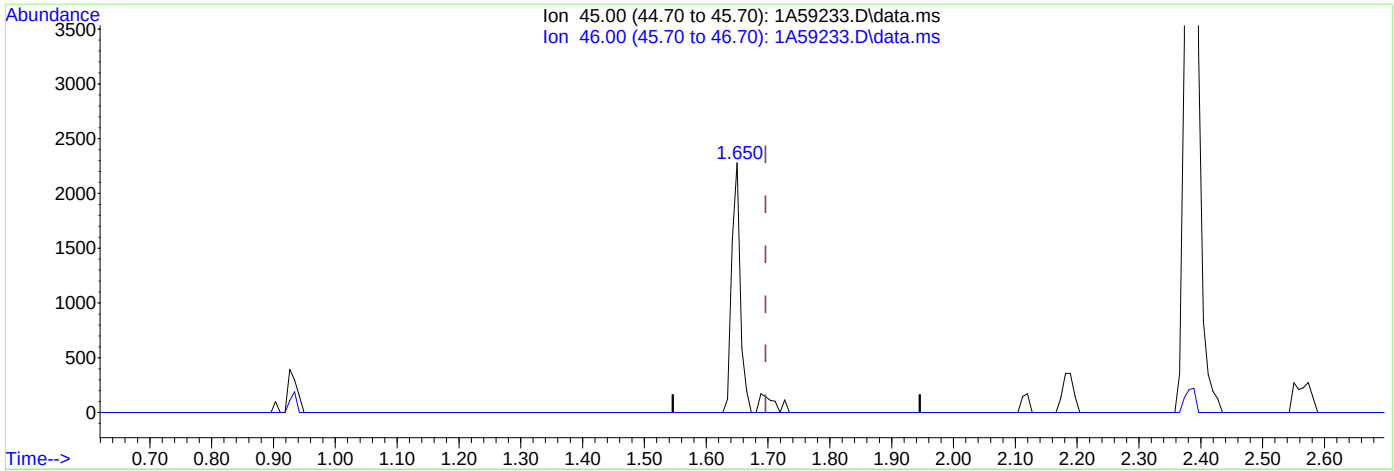
response 396

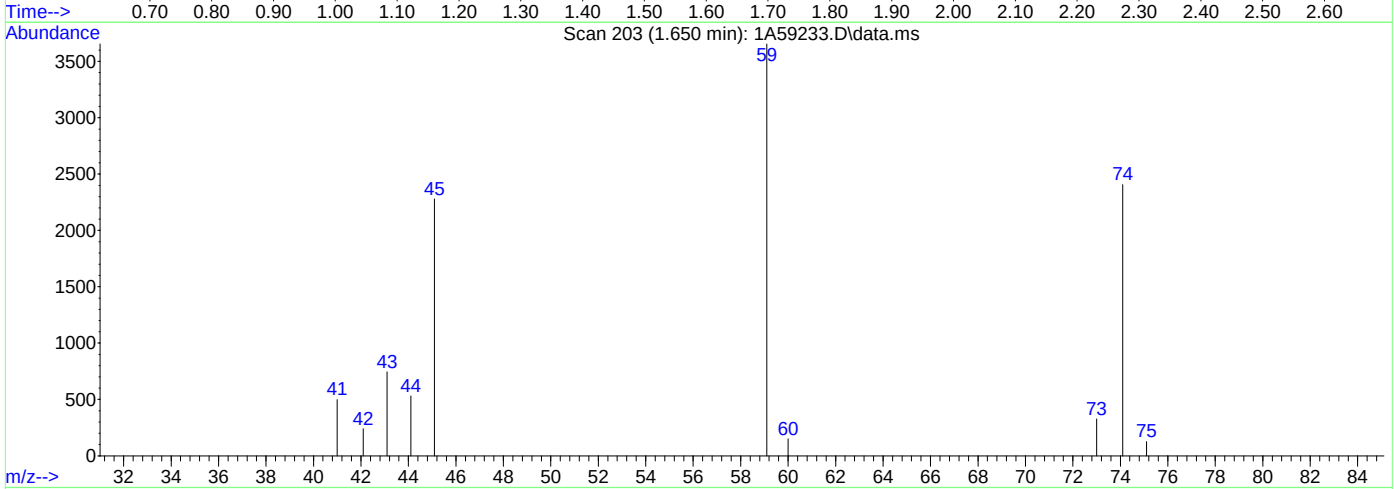
Ion	Exp%	Act%
75.00	100	100
154.90	75.30	100.78
156.90	96.90	99.48
39.00	77.50	87.86

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59233.D
Acq On : 18 Sep 2024 9:14 am
Operator : jeniferw
Sample : IC3047-2 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 18 11:46:20 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59233.D\data.ms

(10) Ethanol

1.650min (-0.046) 376.76ug/L

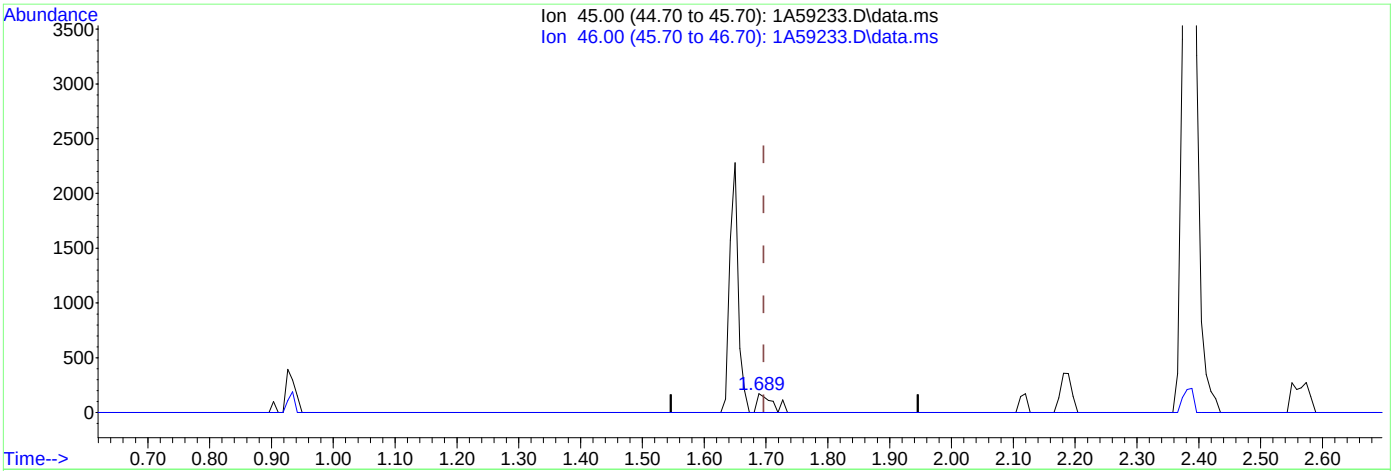
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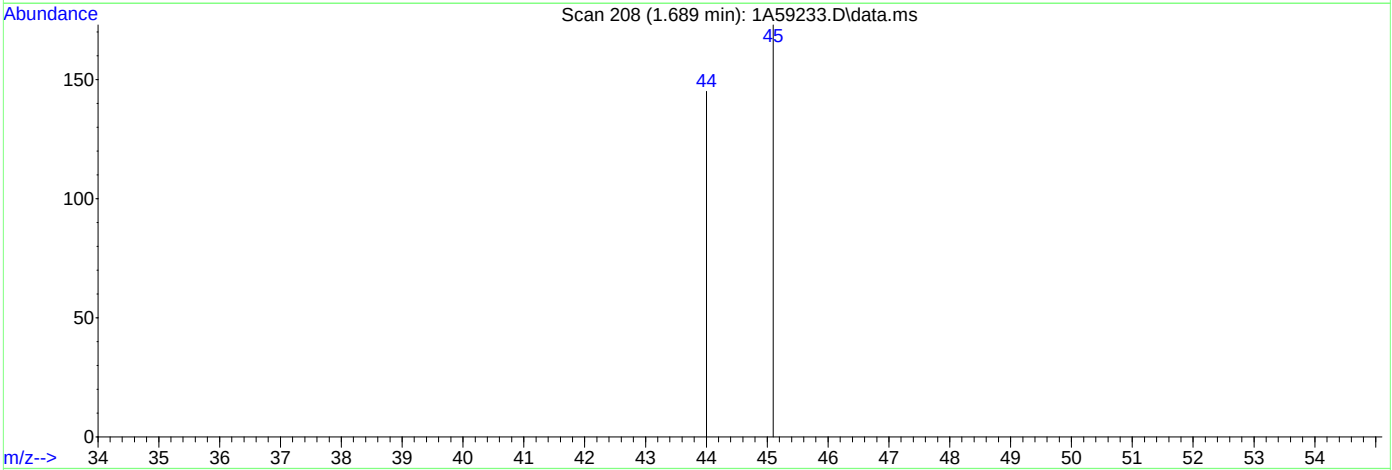
Ion	Exp%	Act%
45.00	100	100
46.00	34.40	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59233.D
Acq On : 18 Sep 2024 9:14 am
Operator : jeniferw
Sample : IC3047-2 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 18 11:46:20 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59233.D\data.ms

(10) Ethanol

1.689min (-0.007) 51.25ug/L m

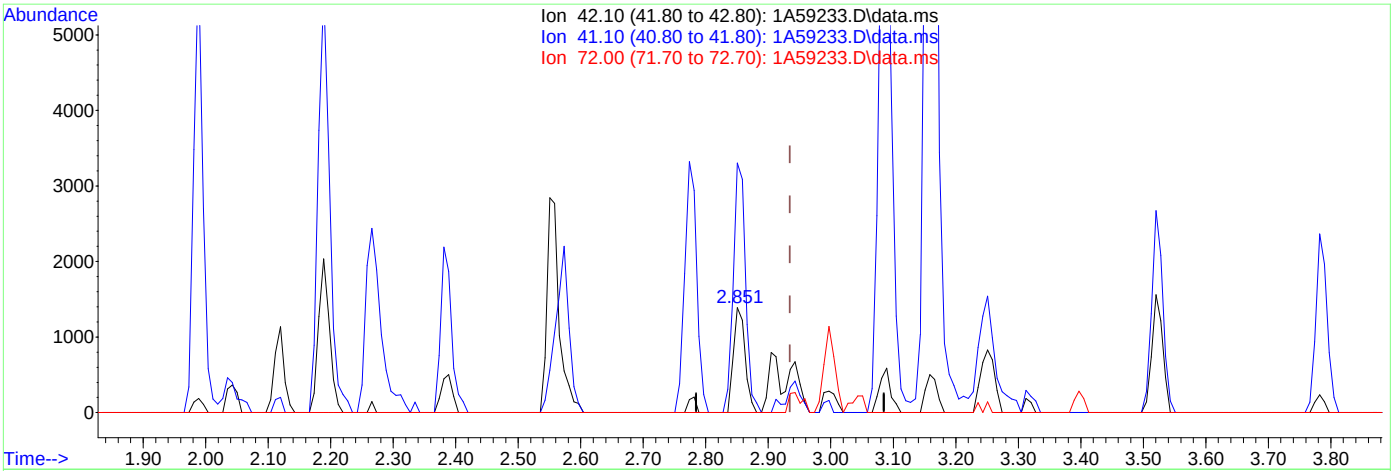
response 299

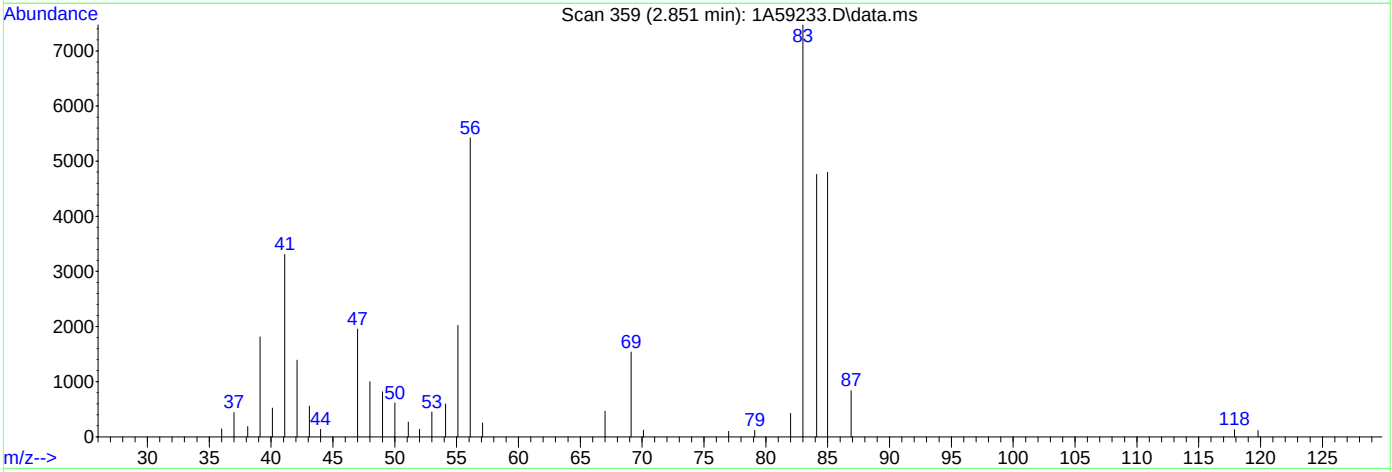
Ion	Exp%	Act%
45.00	100	100
46.00	34.40	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59233.D
Acq On : 18 Sep 2024 9:14 am
Operator : jeniferw
Sample : IC3047-2 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 18 12:09:27 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59233.D\data.ms

(38) Tetrahydrofuran

2.851min (-0.084) 8.19ug/L

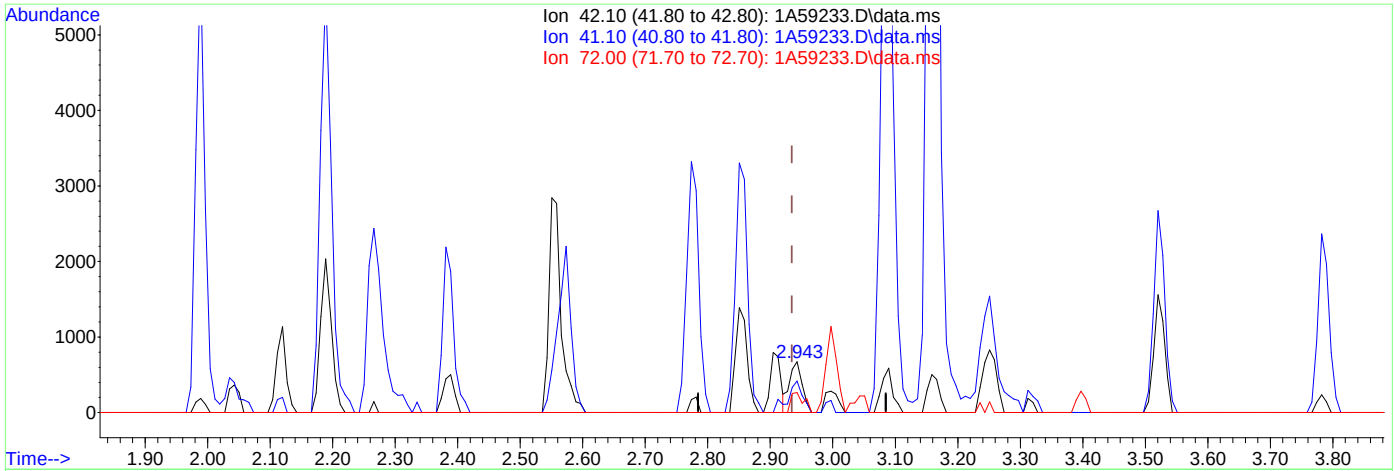
response 1780

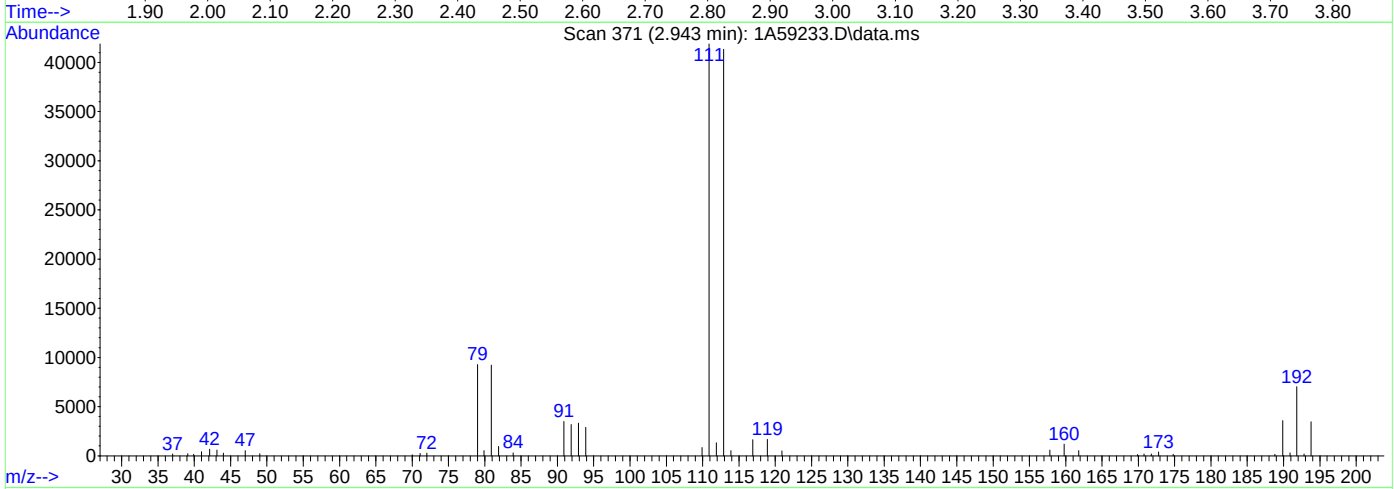
Ion	Exp%	Act%
42.10	100	100
41.10	53.20	237.94#
72.00	35.20	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59233.D
Acq On : 18 Sep 2024 9:14 am
Operator : jeniferw
Sample : IC3047-2 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 18 12:09:27 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59233.D\data.ms

(38) Tetrahydrofuran

2.943min (+0.008) 4.31ug/L m

response 937

Ion	Exp%	Act%
42.10	100	100
41.10	53.20	62.00
72.00	35.20	39.49
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/18/24 15:09

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59235.D
Acq On : 18 Sep 2024 9:46 am
Operator : jeniferw
Sample : IC3047-3 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 18 12:17:56 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	3.397	96	198656	50.00	ug/L		0.00
62) Chlorobenzene-d5	5.344	117	138864	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	7.084	152	72655	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	2.951	113	56787	49.70	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.40%				
49) 1,2-Dichloroethane-d4	3.235	65	63826	48.74	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 97.48%				
63) Toluene-d8	4.336	98	194083	50.57	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 101.14%				
86) 4-Bromofluorobenzene	6.222	174	59415	49.67	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.34%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.019	85	10570	7.78	ug/L		98
3) Chloromethane	1.134	50	8953	6.78	ug/L		99
4) 1,3-butadiene	1.188	39	8011	6.59	ug/L		92
5) Vinyl Chloride	1.173	62	10593	8.08	ug/L		96
6) Bromomethane	1.350	94	5070	9.48	ug/L		98
7) Chloroethane	1.419	64	6807	9.17	ug/L		95
8) Trichlorofluoromethane	1.496	101	15343	9.17	ug/L		96
9) Ethyl Ether	1.658	59	6748	8.36	ug/L		92
10) Ethanol	1.704	45	820m	134.39	ug/L		
11) 1,2-Dichlorotrifluoroe...	1.742	67	10684	8.57	ug/L		96
12) 1,1-Dichloroethene	1.758	61	12730	7.82	ug/L		96
13) Freon 113	1.789	101	8795	8.69	ug/L		99
14) Carbon Disulfide	1.781	76	25206	7.98	ug/L		98
15) Iodomethane	1.835	142	3718	5.95	ug/L		99
16) Acrolein	1.904	56	4872	35.93	ug/L		97
17) Allyl chloride	1.996	41	11191	6.72	ug/L		84
18) Methylene Chloride	2.043	49	18429	12.60	ug/L		93
19) Acetone	2.050	43	8331	41.82	ug/L		94
20) Methyl acetate	2.119	43	23174	39.70	ug/L		99
21) trans-1,2-Dichloroethene	2.135	61	12732	8.13	ug/L		92
22) Hexane	2.196	56	7996	7.65	ug/L		93
23) Methyl Tert Butyl Ether	2.189	73	19661	8.44	ug/L	#	62
24) Acetonitrile	2.266	41	7411	96.61	ug/L		96
25) Tert Butyl Alcohol	2.204	59	4516	89.29	ug/L	#	22
26) Di-isopropyl ether	2.389	45	25750	7.49	ug/L		94
27) Chloroprene	2.435	53	24345	7.63	ug/L		97
28) 1,1-Dichloroethane	2.443	63	16122	7.94	ug/L		99
29) Acrylonitrile	2.435	52	13058	39.72	ug/L		99
30) ETBE	2.574	59	24355	8.14	ug/L		99
31) Vinyl acetate	2.558	43	73398	38.25	ug/L		94
32) cis-1,2-Dichloroethene	2.720	96	9726	8.76	ug/L		92
33) 2,2-Dichloropropane	2.781	77	11712	7.98	ug/L		97
34) Bromochloromethane	2.820	128	4959	9.09	ug/L		87
35) Cyclohexane	2.858	56	15644	7.80	ug/L		97
36) Chloroform	2.858	83	17172	8.50	ug/L		99
37) Ethyl acetate	2.912	43	29949	40.92	ug/L		97
38) Tetrahydrofuran	2.943	42	1873	8.24	ug/L		96
40) Carbon Tetrachloride	2.958	117	11961m	8.11	ug/L		
41) 1,1,1-Trichloroethane	2.981	97	13331	8.05	ug/L		93
42) 2-Butanone	2.997	43	12948	39.11	ug/L		93
43) 1,1-Dichloropropene	3.051	75	10938	8.47	ug/L		98
44) tert-Butyl formate	3.089	59	19875	37.10	ug/L		91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59235.D
Acq On : 18 Sep 2024 9:46 am
Operator : jeniferw
Sample : IC3047-3 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 18 12:17:56 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Propionitrile	3.135	54	8358	83.45	ug/L		94
46) Methacrylonitrile	3.166	41	39208	77.63	ug/L		94
47) Benzene	3.182	78	35334	8.45	ug/L		89
48) TAME	3.243	73	19184	8.39	ug/L		94
50) 1,2-Dichloroethane	3.274	62	12323	8.42	ug/L		98
51) Isobutyl Alcohol	3.251	43	9901	156.49	ug/L		89
52) Tert Amyl Alcohol	3.320	59	2990	81.50	ug/L		93
53) Trichloroethene	3.505	95	9508	8.23	ug/L		98
54) Methylcyclohexane	3.528	83	15134	8.55	ug/L		95
55) Dibromomethane	3.728	93	5761	9.31	ug/L		93
56) 1,2-Dichloropropane	3.790	63	9031	8.08	ug/L		99
57) Bromodichloromethane	3.828	83	12074	8.68	ug/L		97
58) Methyl methacrylate	3.913	41	4982	7.50	ug/L		91
59) 1,4-Dioxane	3.936	88	731m	147.73	ug/L		
60) 2-Chloroethyl vinyl ether	4.159	63	15426	36.55	ug/L		93
61) cis-1,3-Dichloropropene	4.205	75	12867	8.23	ug/L		99
64) Toluene	4.367	91	38037	8.95	ug/L		100
65) 2-Nitropropane	4.459	41	6798	46.09	ug/L		96
66) 4-Methyl-2-pentanone	4.575	43	28200	40.50	ug/L		97
67) trans-1,3-Dichloropropene	4.605	75	10824	8.27	ug/L		95
68) Tetrachloroethene	4.628	166	10125	9.38	ug/L		99
69) Ethyl methacrylate	4.721	69	7181	8.03	ug/L		90
70) 1,1,2-Trichloroethane	4.713	83	5828	9.16	ug/L		90
71) Dibromochloromethane	4.836	129	7743	8.94	ug/L		96
72) 1,3-Dichloropropane	4.890	76	11841	8.82	ug/L		93
73) 1,2-Dibromoethane	4.990	107	6760	9.16	ug/L		98
74) 3,3-Dimethyl-1-Butanol	5.113	57	20444	426.78	ug/L		99
75) 2-hexanone	5.136	43	21942	40.45	ug/L		82
76) 1-Chlorohexane	5.360	91	11635m	7.19	ug/L		
77) Ethylbenzene	5.390	91	42757m	9.10	ug/L		
78) Chlorobenzene	5.360	112	24542	9.12	ug/L		96
79) 1,1,1,2-Tetrachloroethane	5.406	131	7843	9.06	ug/L		97
80) m,p-Xylene	5.490	91	64335	17.28	ug/L		99
81) o-Xylene	5.798	91	32688	8.82	ug/L		99
82) Styrene	5.829	104	23292	8.88	ug/L		98
83) Bromoform	5.829	173	4217	9.07	ug/L		94
84) Isopropylbenzene	6.037	105	37263	8.73	ug/L		98
87) cis-1,4-Dichloro-2-butene	6.260	53	1899	7.06	ug/L	#	89
88) n-Propylbenzene	6.345	91	46746	8.88	ug/L		97
89) Bromobenzene	6.299	156	9901	9.12	ug/L		94
90) 1,1,2,2-Tetrachloroethane	6.368	83	7352	9.10	ug/L		97
91) 1,3,5-Trimethylbenzene	6.499	105	29238	8.61	ug/L		97
92) 2-Chlorotoluene	6.445	91	26238	8.59	ug/L		96
93) trans-1,4-Dichloro-2-B...	6.499	53	2599	7.57	ug/L		97
94) 1,2,3-Trichloropropane	6.460	110	2138	9.91	ug/L		92
95) Cyclohexanone	6.476	55	678m	36.42	ug/L		
96) 4-Chlorotoluene	6.576	91	27023	8.55	ug/L		95
97) tert-Butylbenzene	6.737	91	17671	8.48	ug/L		96
98) 1,2,4-Trimethylbenzene	6.791	105	28294	8.89	ug/L		97
99) Pentachloroethane	6.737	167	4282	7.94	ug/L		94
100) sec-Butylbenzene	6.884	105	37620	8.75	ug/L		99
101) 4-Isopropyltoluene	6.999	119	30465	8.78	ug/L		99
102) 1,3-Dichlorobenzene	7.030	146	17313	9.17	ug/L		98
103) 1,2,3-Trimethylbenzene	7.130	105	28278	8.64	ug/L		100
104) 1,4-Dichlorobenzene	7.099	146	17399	9.07	ug/L		98
105) n-Butylbenzene	7.330	92	14083	8.79	ug/L		98
106) Benzyl Chloride	7.284	126	1778	8.82	ug/L		96
107) 1,2-Dichlorobenzene	7.422	146	15413	9.30	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59235.D
Acq On : 18 Sep 2024 9:46 am
Operator : jeniferw
Sample : IC3047-3 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 18 12:17:56 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration

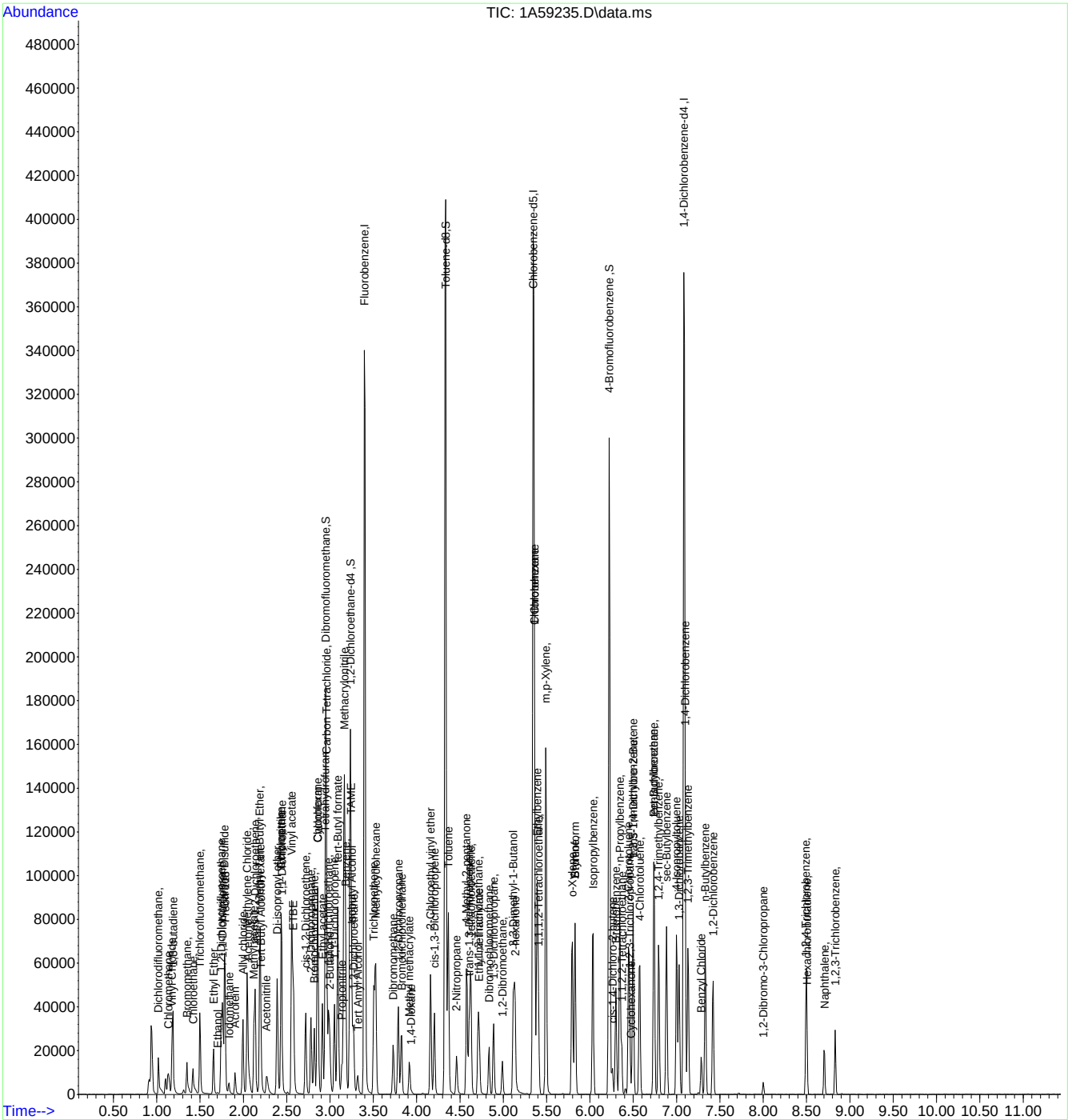
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) 1,2-Dibromo-3-Chloropr...	8.000	75	849m	7.72	ug/L	
109) Hexachlorobutadiene	8.507	225	3604	7.92	ug/L	96
110) 1,2,4-Trichlorobenzene	8.492	180	6835	8.51	ug/L	94
111) Naphthalene	8.708	128	11126	9.37	ug/L	99
112) 1,2,3-Trichlorobenzene	8.831	180	5173	8.52	ug/L	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59235.D
Acq On : 18 Sep 2024 9:46 am
Operator : jeniferw
Sample : IC3047-3 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 18 12:17:56 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration



Manual Integration Approval Summary

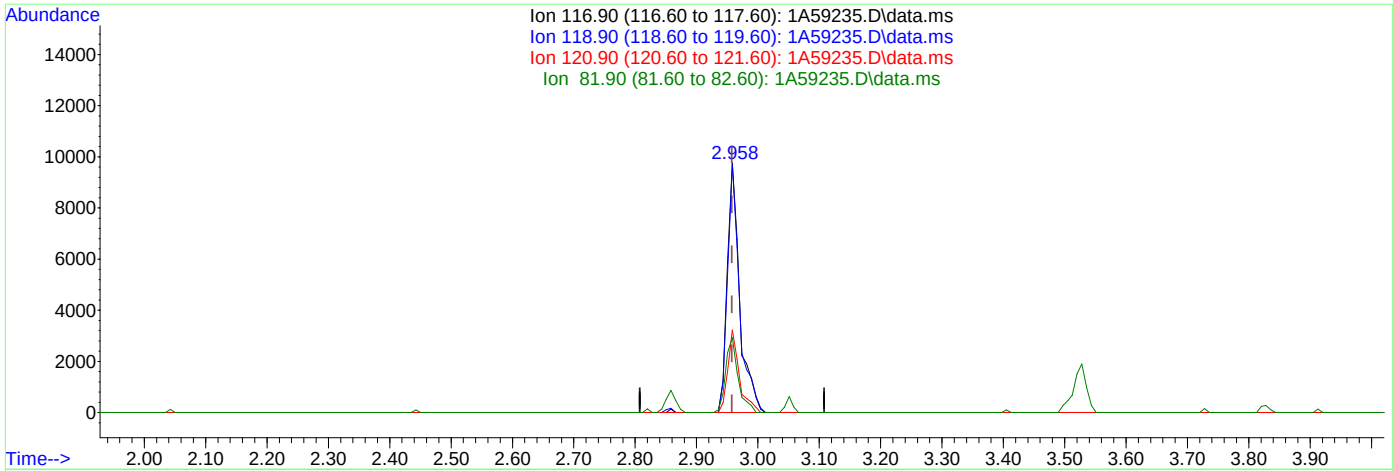
Sample Number: V1A3047-IC3047 **Method:** SW846 8260D
Lab FileID: 1A59235.D **Analyst approved:** 09/18/24 14:30 Jenifer Willis
Injection Time: 09/18/24 09:46 **Supervisor approved:** 09/18/24 15:09 Karen Watson

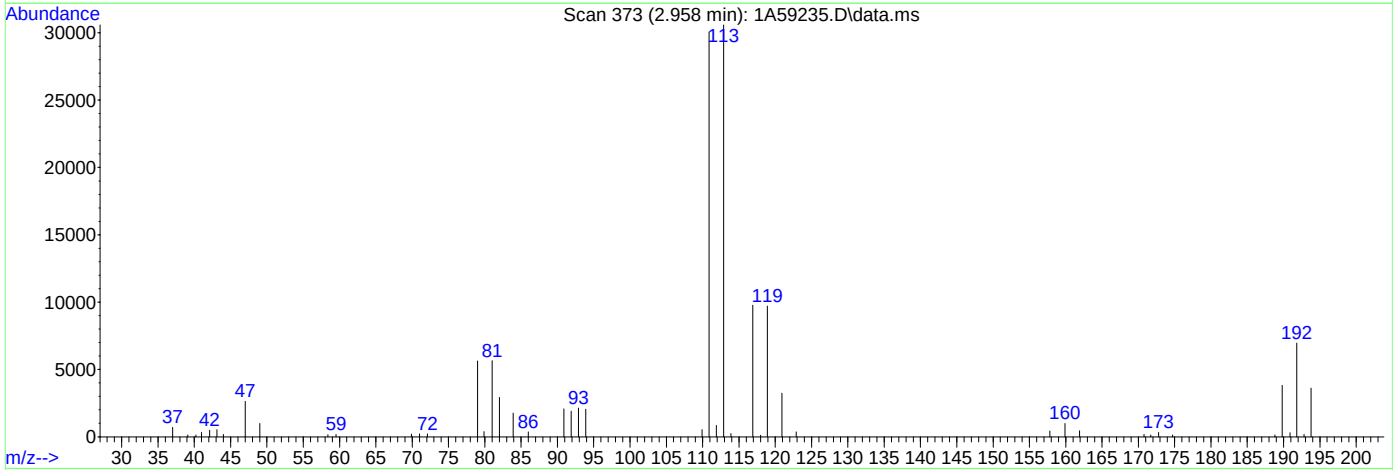
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		1.70	Poorly defined baseline
Carbon Tetrachloride	56-23-5		2.96	Overlapping peak
1,4-Dioxane	123-91-1		3.94	Missed peak
1-Chlorohexane	544-10-5		5.36	Overlapping peak
Ethylbenzene	100-41-4		5.39	Overlapping peak
Cyclohexanone	108-94-1		6.48	Missed peak
1,2-Dibromo-3-chloropropane	96-12-8		8.00	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59235.D
Acq On : 18 Sep 2024 9:46 am
Operator : jeniferw
Sample : IC3047-3 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 18 11:46:22 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59235.D\data.ms

(40) Carbon Tetrachloride ( )

2.958min (+0.000) 9.34ug/L

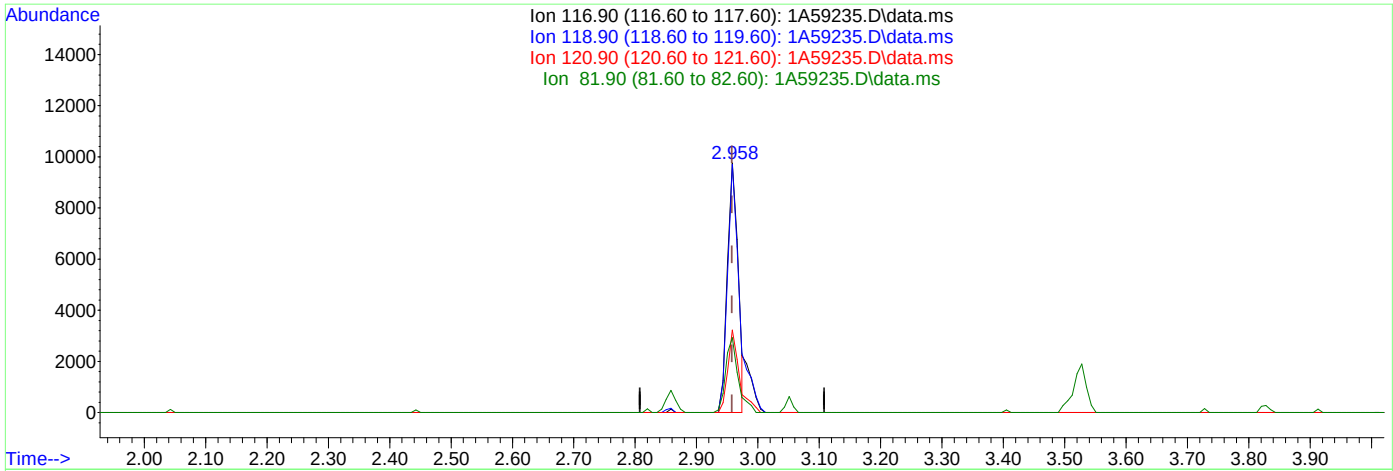
response 13785

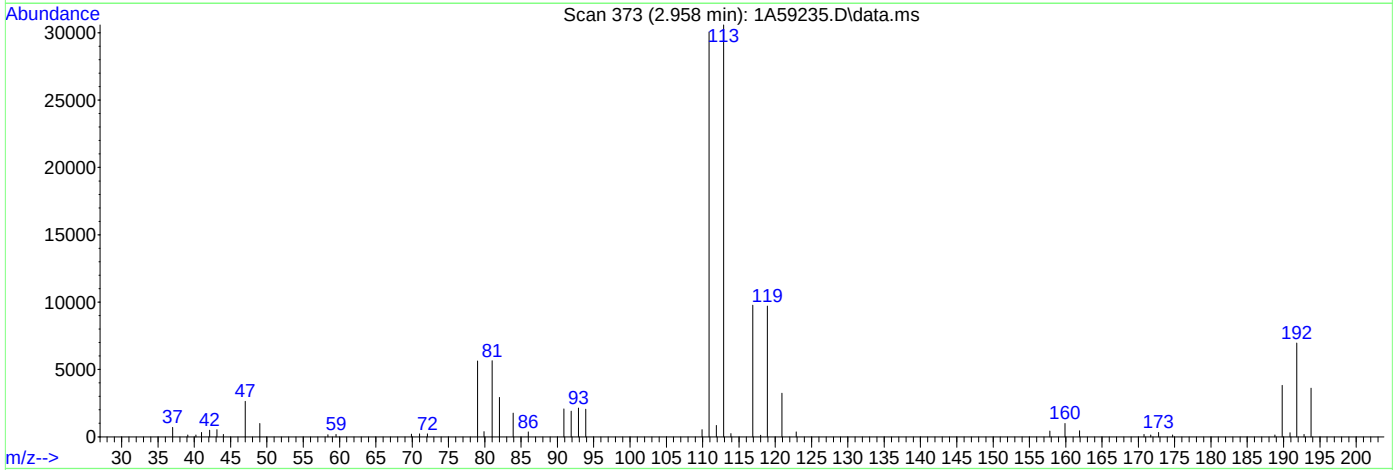
Ion	Exp%	Act%
116.90	100	100
118.90	96.70	99.44
120.90	32.00	33.10
81.90	24.70	30.01

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59235.D
Acq On : 18 Sep 2024 9:46 am
Operator : jeniferw
Sample : IC3047-3 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 18 11:46:22 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59235.D\data.ms

(40) Carbon Tetrachloride ( )

2.958min (+0.000) 8.11ug/L m

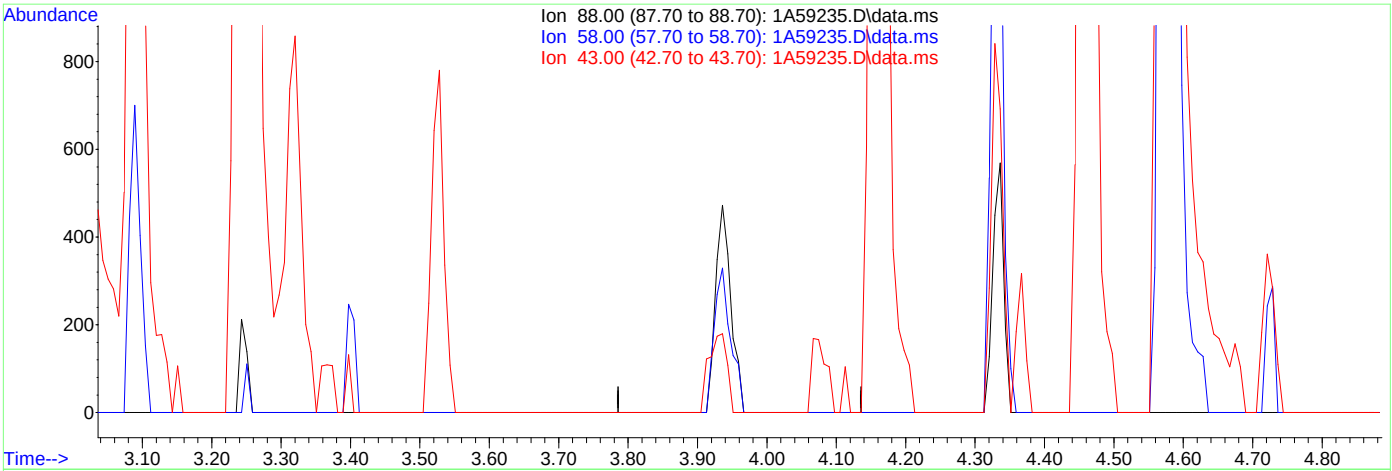
response 11961

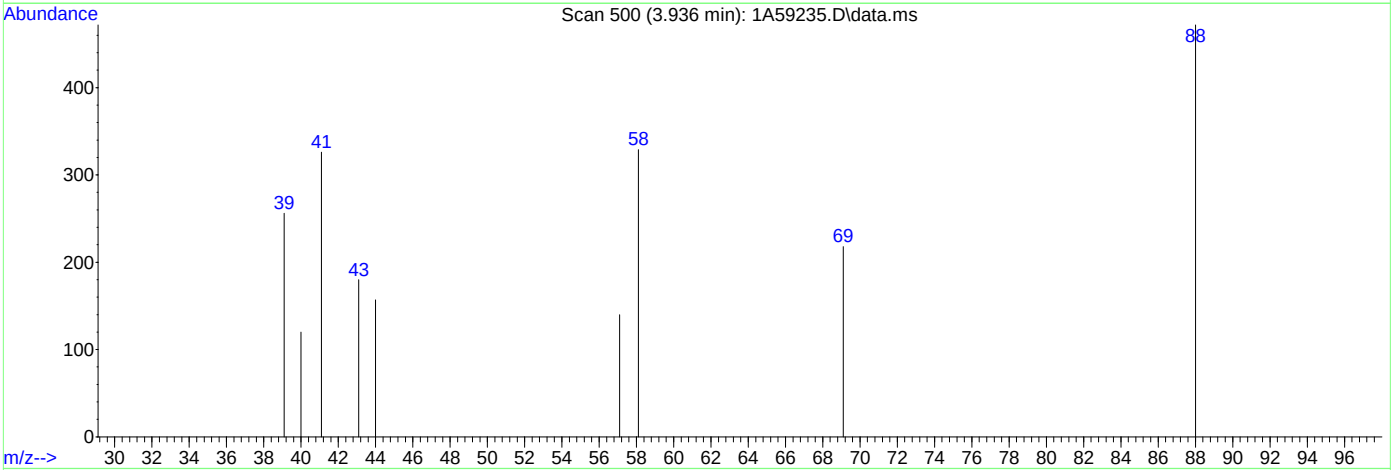
Ion	Exp%	Act%
116.90	100	100
118.90	96.70	99.44
120.90	32.00	33.10
81.90	24.70	30.01

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59235.D
Acq On : 18 Sep 2024 9:46 am
Operator : jeniferw
Sample : IC3047-3 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 18 11:46:22 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59235.D\data.ms

(59) 1,4-Dioxane

3.936min (-3.936) 0.00ug/L

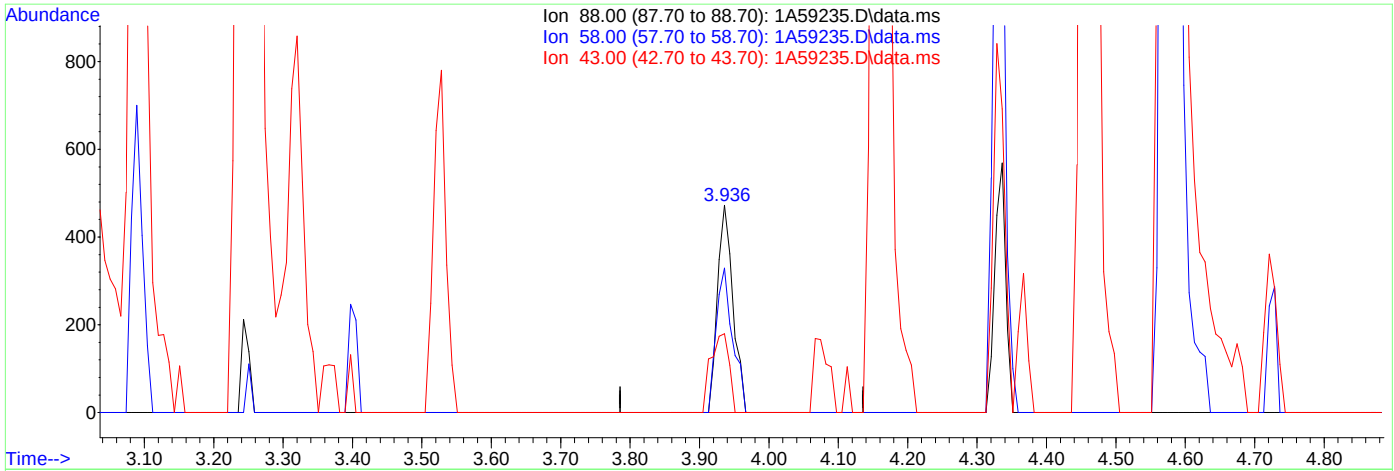
response 0

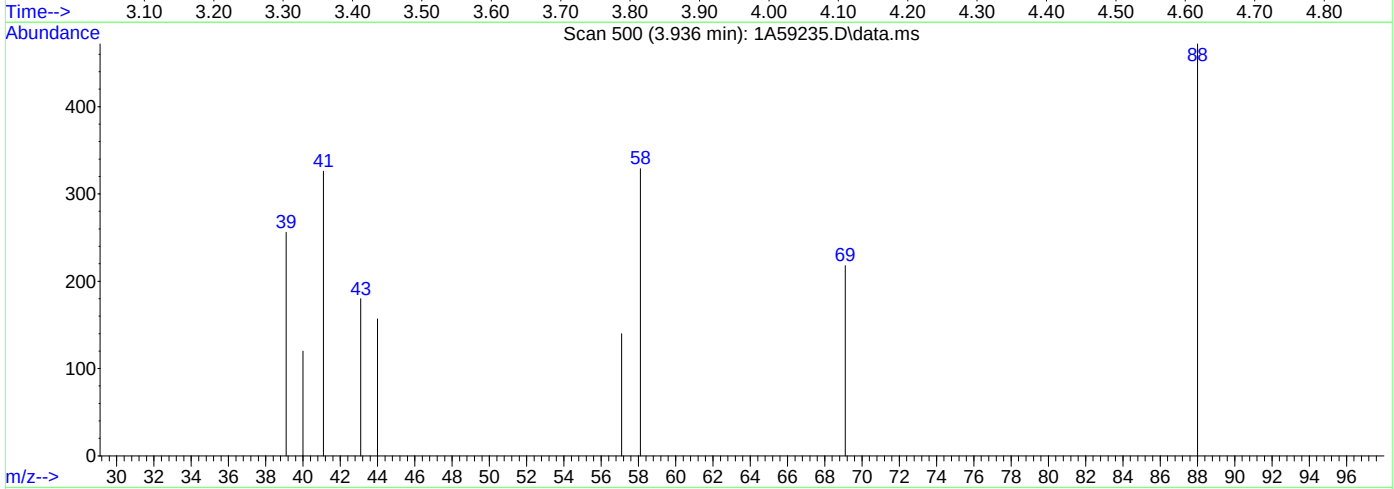
Ion	Exp%	Act%
88.00	100	0.00
58.00	68.90	0.00#
43.00	24.60	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59235.D
Acq On : 18 Sep 2024 9:46 am
Operator : jeniferw
Sample : IC3047-3 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 18 11:46:22 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59235.D\data.ms

(59) 1,4-Dioxane

3.936min (-0.000) 147.73ug/L m

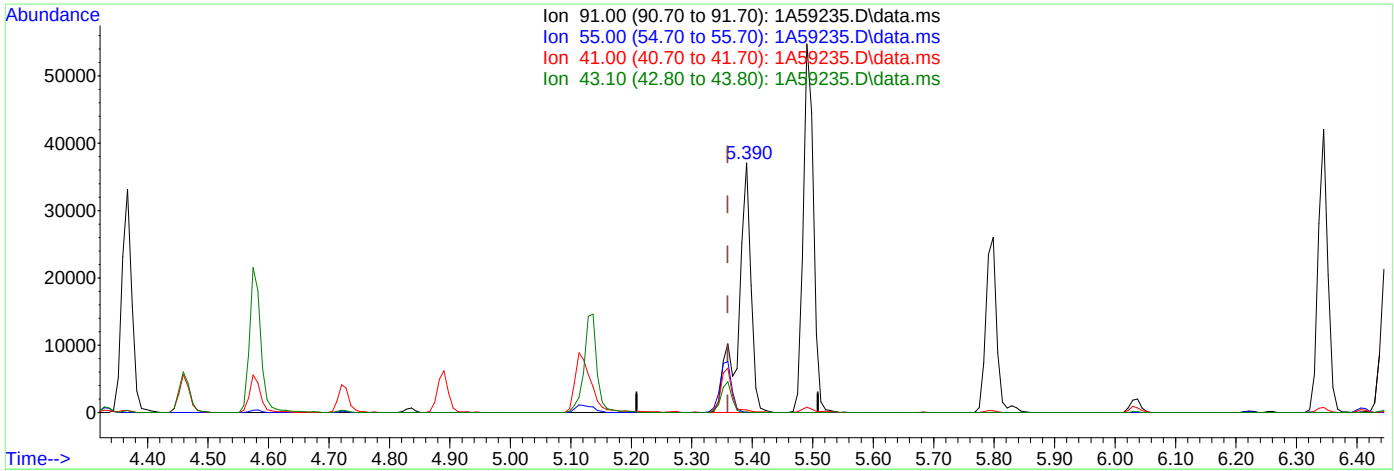
response 731

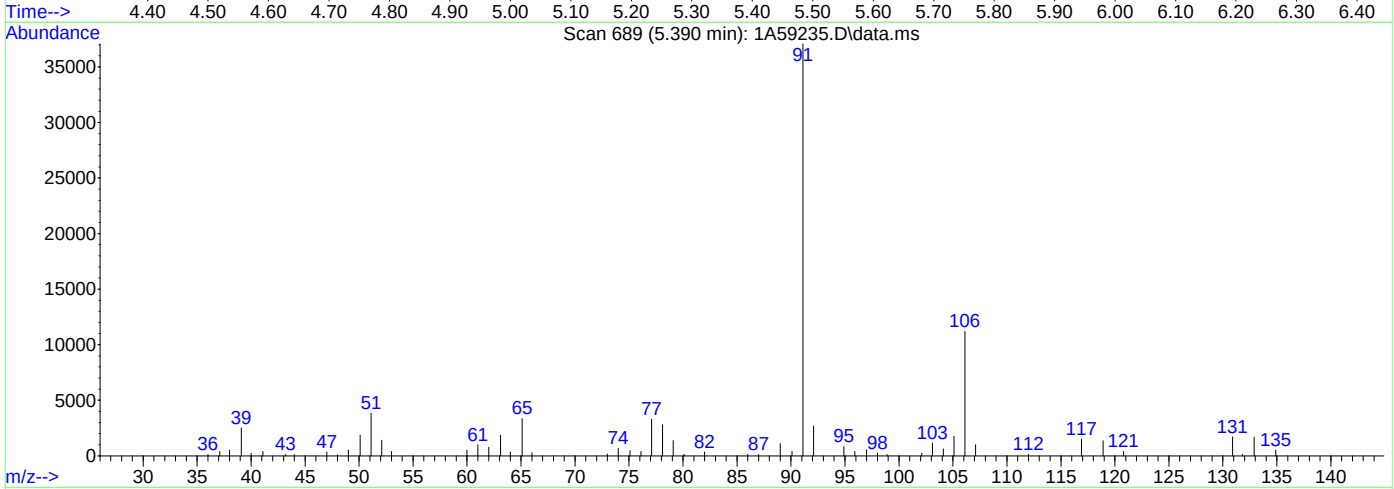
Ion	Exp%	Act%
88.00	100	100
58.00	68.90	69.70
43.00	24.60	38.14
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59235.D
Acq On : 18 Sep 2024 9:46 am
Operator : jeniferw
Sample : IC3047-3 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 18 11:46:22 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59235.D\data.ms

(76) 1-Chlorohexane

5.390min (+0.031) 33.63ug/L

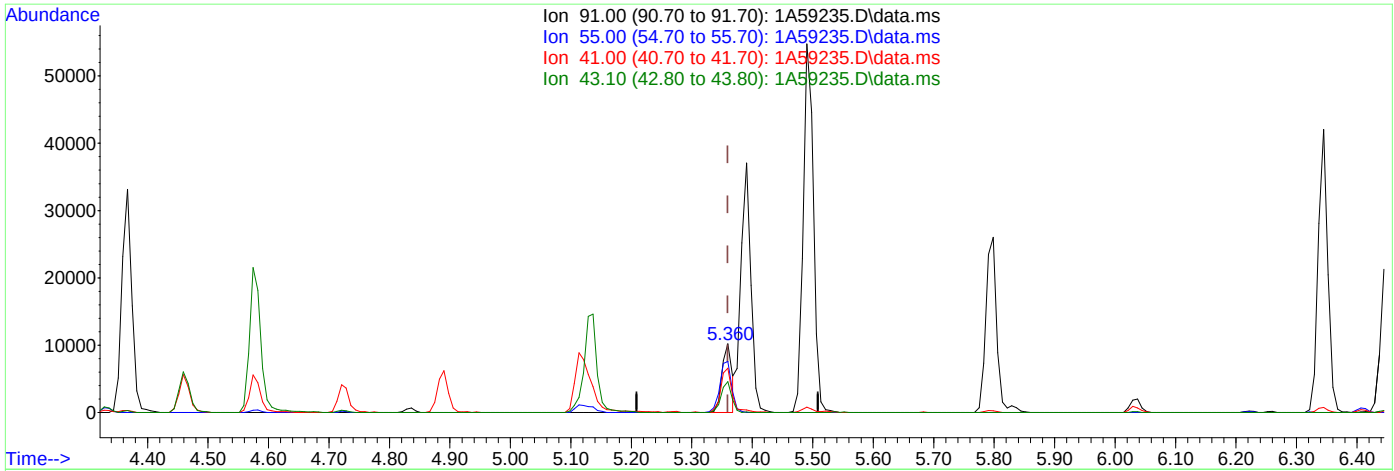
response 54389

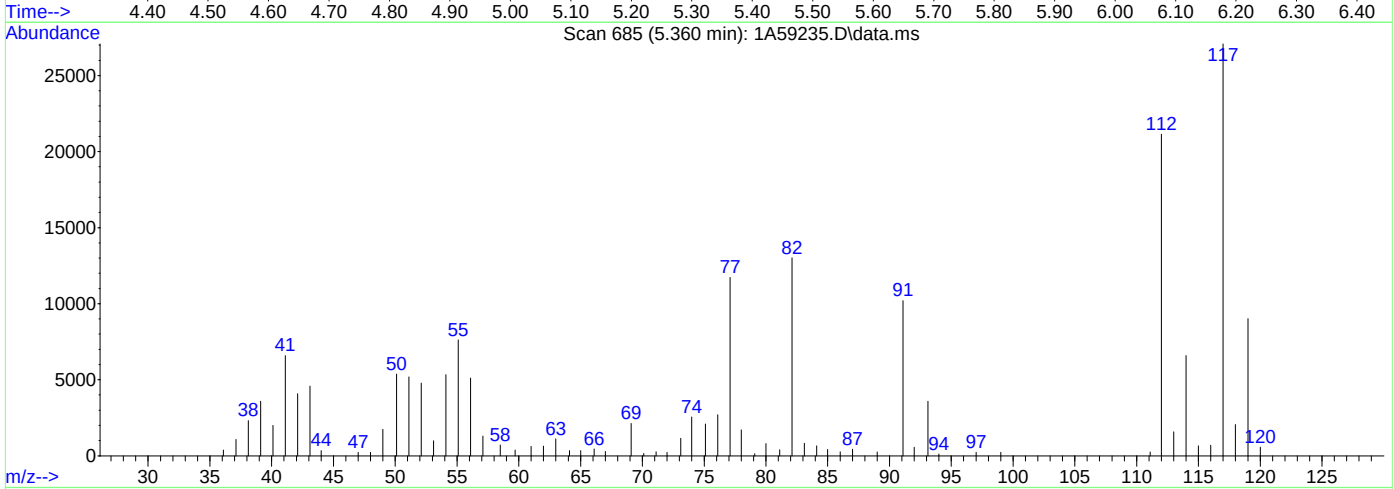
Ion	Exp%	Act%
91.00	100	100
55.00	77.50	0.00#
41.00	62.80	1.08#
43.10	51.70	0.33#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59235.D
Acq On : 18 Sep 2024 9:46 am
Operator : jeniferw
Sample : IC3047-3 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 18 11:46:22 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59235.D\data.ms

(76) 1-Chlorohexane

5.360min (+0.001) 7.19ug/L m

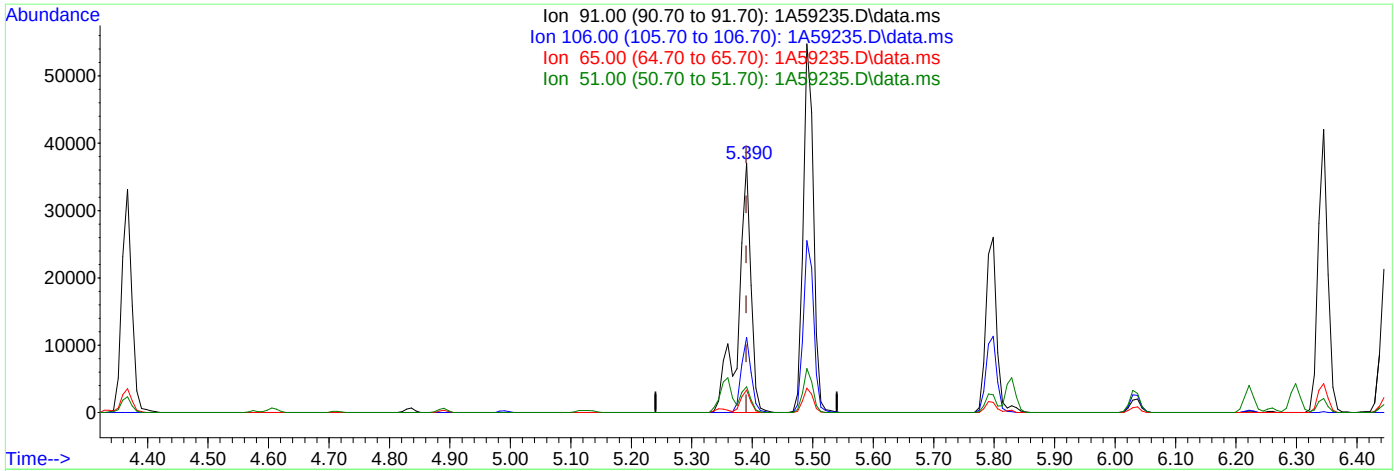
response 11635

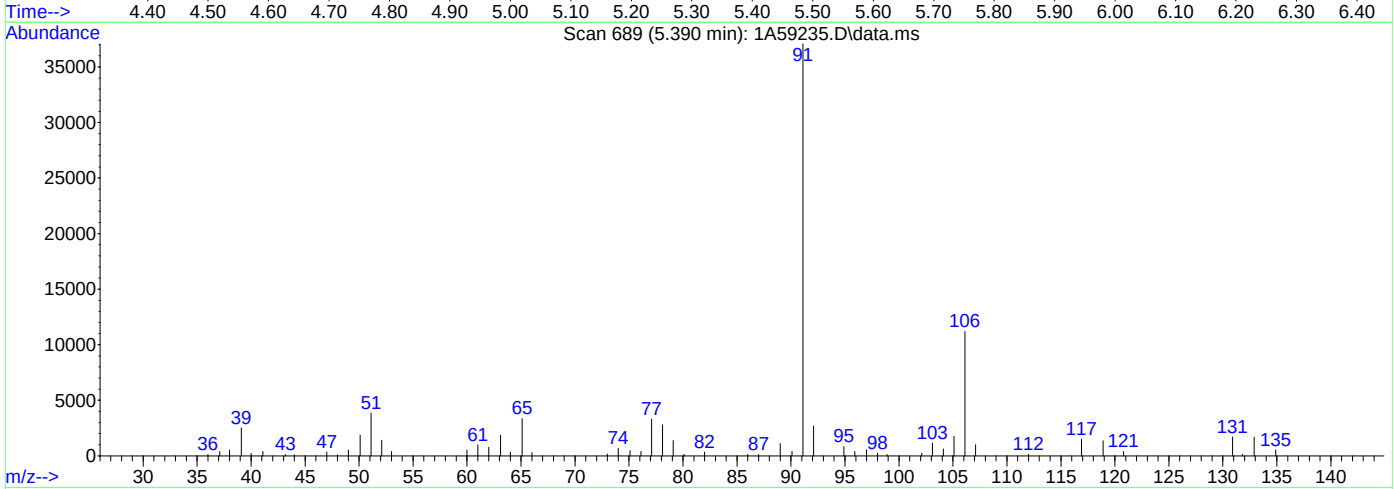
Ion	Exp%	Act%
91.00	100	100
55.00	77.50	74.68
41.00	62.80	64.55
43.10	51.70	44.97

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59235.D
Acq On : 18 Sep 2024 9:46 am
Operator : jeniferw
Sample : IC3047-3 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 18 11:46:22 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59235.D\data.ms

(77) Ethylbenzene

5.390min (+0.000) 11.58ug/L

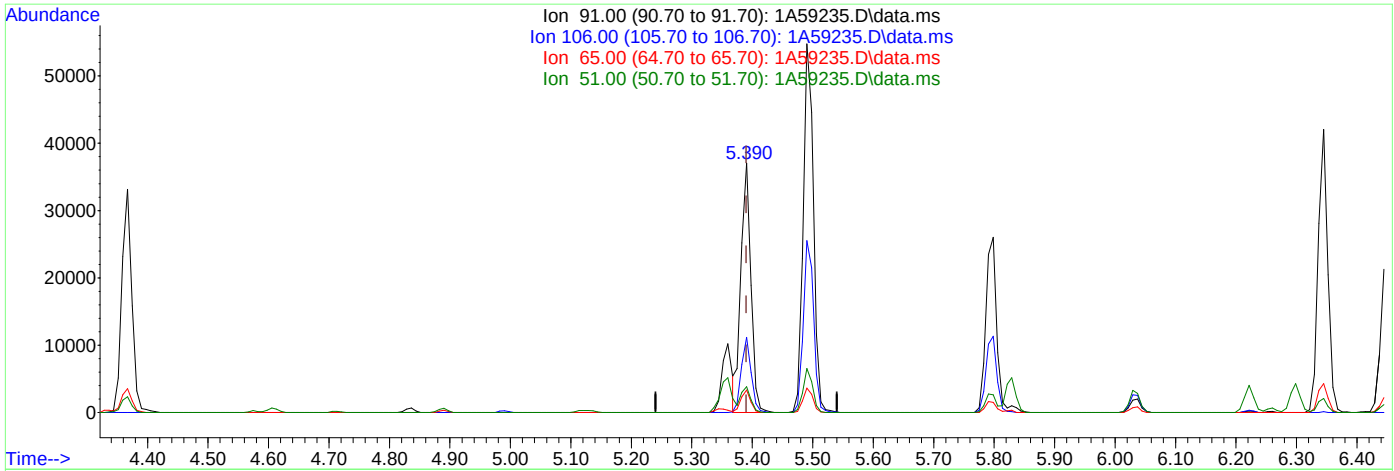
response 54389

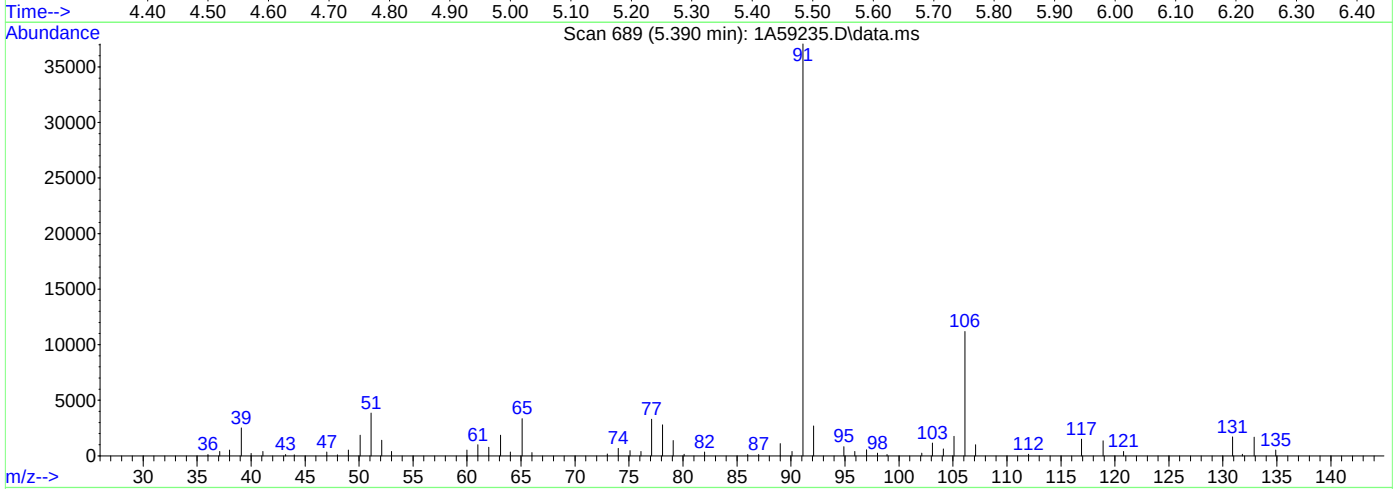
Ion	Exp%	Act%
91.00	100	100
106.00	29.70	30.18
65.00	9.20	9.04
51.00	10.90	10.37

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59235.D
Acq On : 18 Sep 2024 9:46 am
Operator : jeniferw
Sample : IC3047-3 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 18 11:46:22 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59235.D\data.ms

(77) Ethylbenzene

5.390min (+0.000) 9.10ug/L m

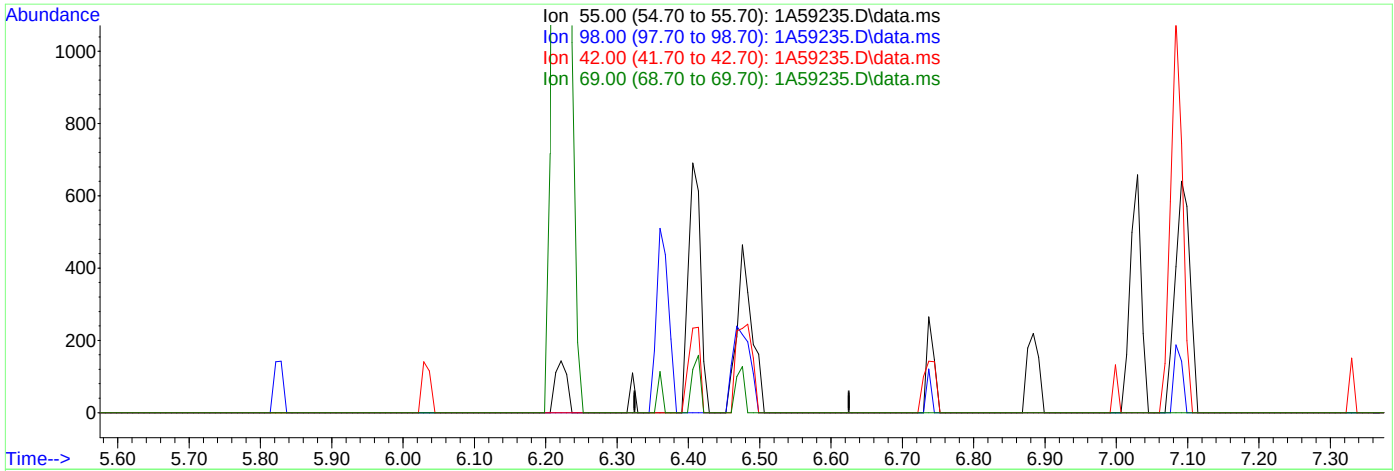
response 42757

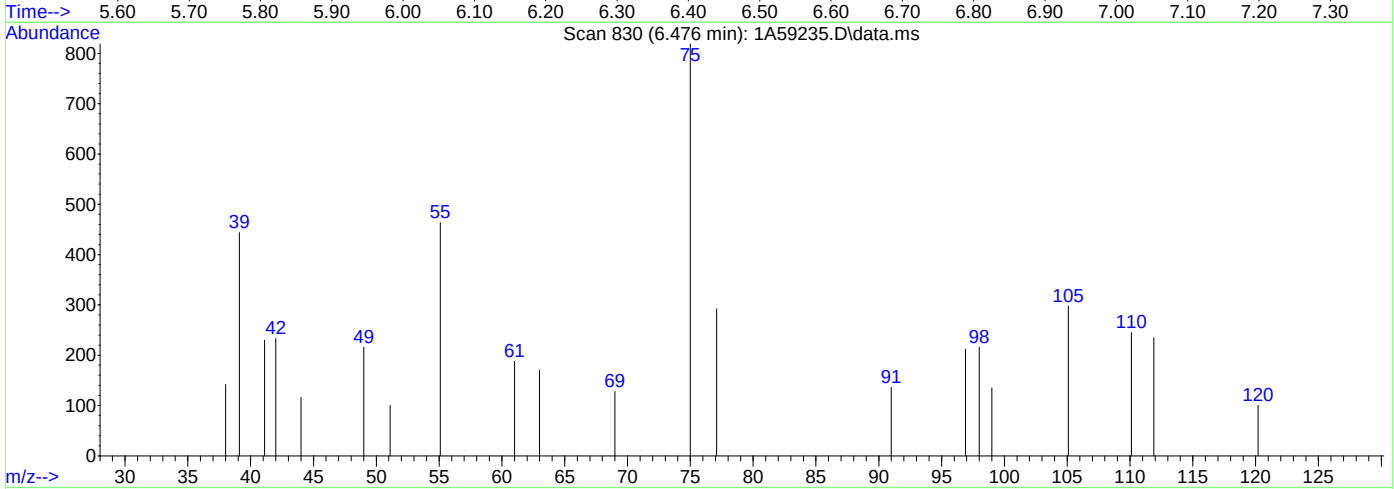
Ion	Exp%	Act%
91.00	100	100
106.00	29.70	30.18
65.00	9.20	9.04
51.00	10.90	10.37

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59235.D
Acq On : 18 Sep 2024 9:46 am
Operator : jeniferw
Sample : IC3047-3 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 18 11:46:22 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59235.D\data.ms

(95) Cyclohexanone

6.475min (-6.475) 0.00ug/L

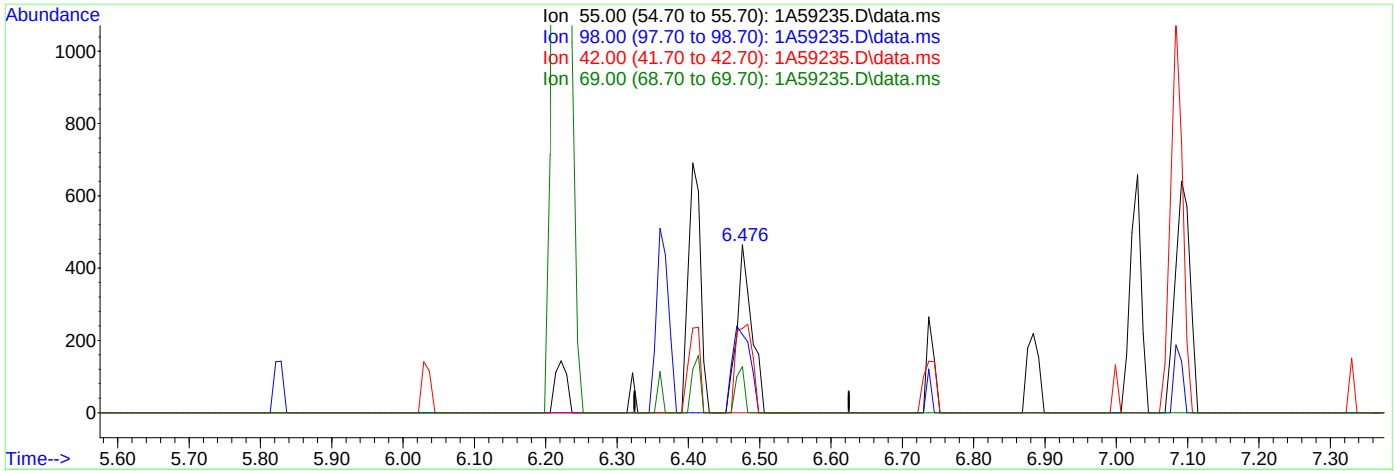
response 0

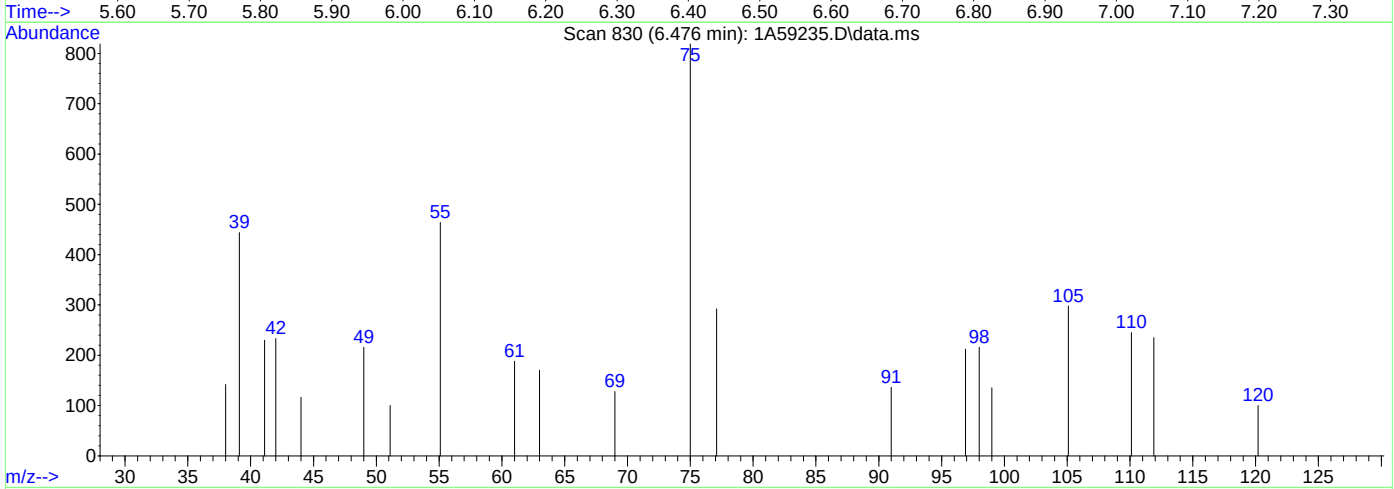
Ion	Exp%	Act%
55.00	100	0.00
98.00	41.70	0.00#
42.00	68.30	0.00#
69.00	29.80	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59235.D
Acq On : 18 Sep 2024 9:46 am
Operator : jeniferw
Sample : IC3047-3 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 18 11:46:22 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59235.D\data.ms

(95) Cyclohexanone

6.476min (+0.001) 36.42ug/L m

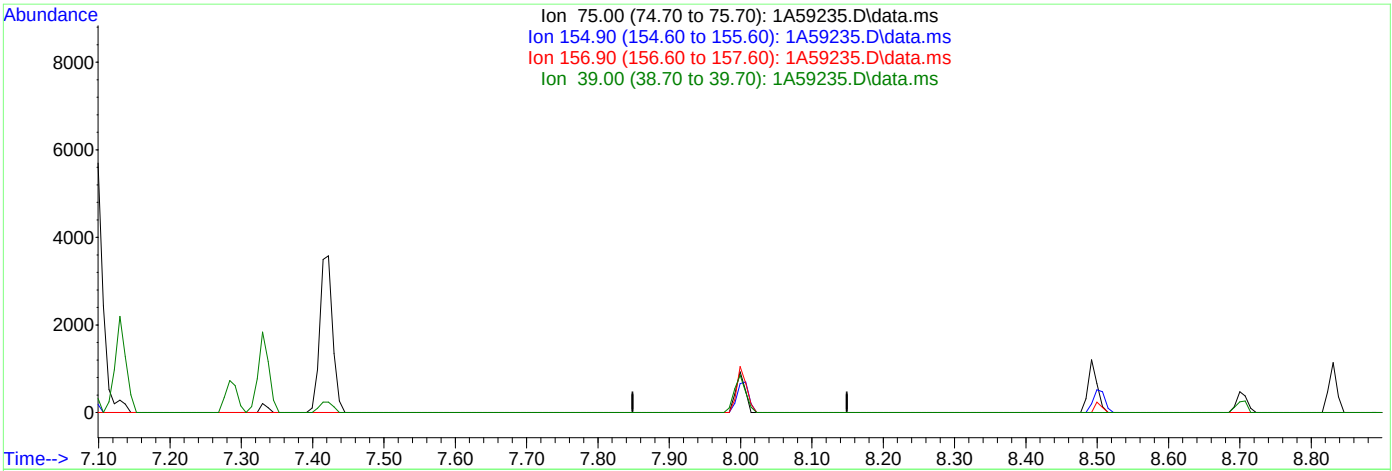
response 678

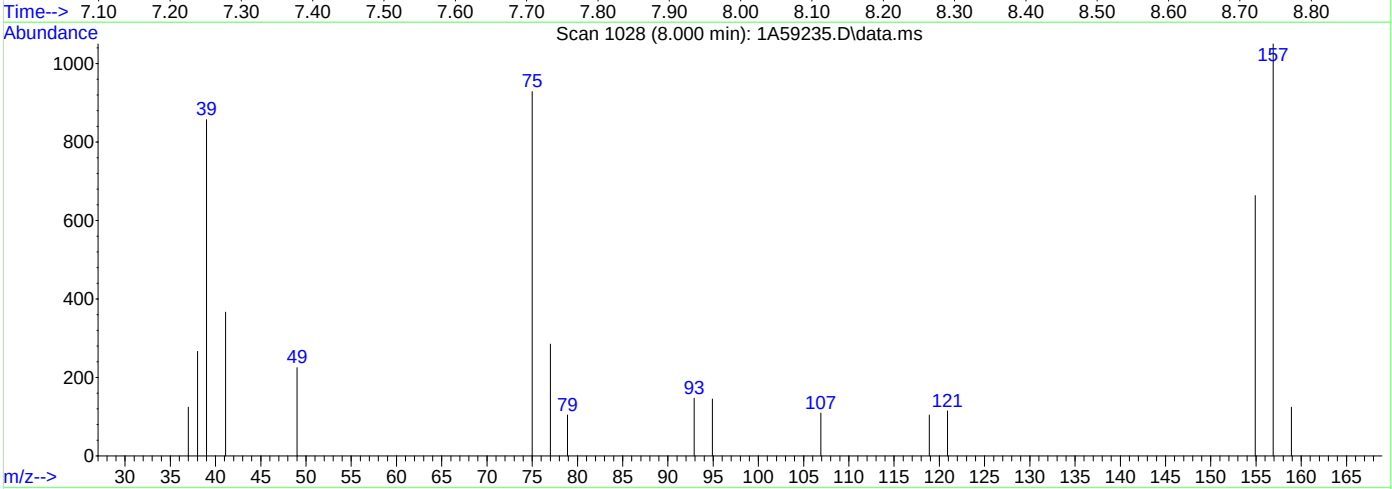
Ion	Exp%	Act%
55.00	100	100
98.00	41.70	46.55
42.00	68.30	50.22
69.00	29.80	27.59

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59235.D
Acq On : 18 Sep 2024 9:46 am
Operator : jeniferw
Sample : IC3047-3 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 18 11:46:22 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59235.D\data.ms

(108) 1,2-Dibromo-3-Chloropropane

7.999min (-7.999) 0.00ug/L

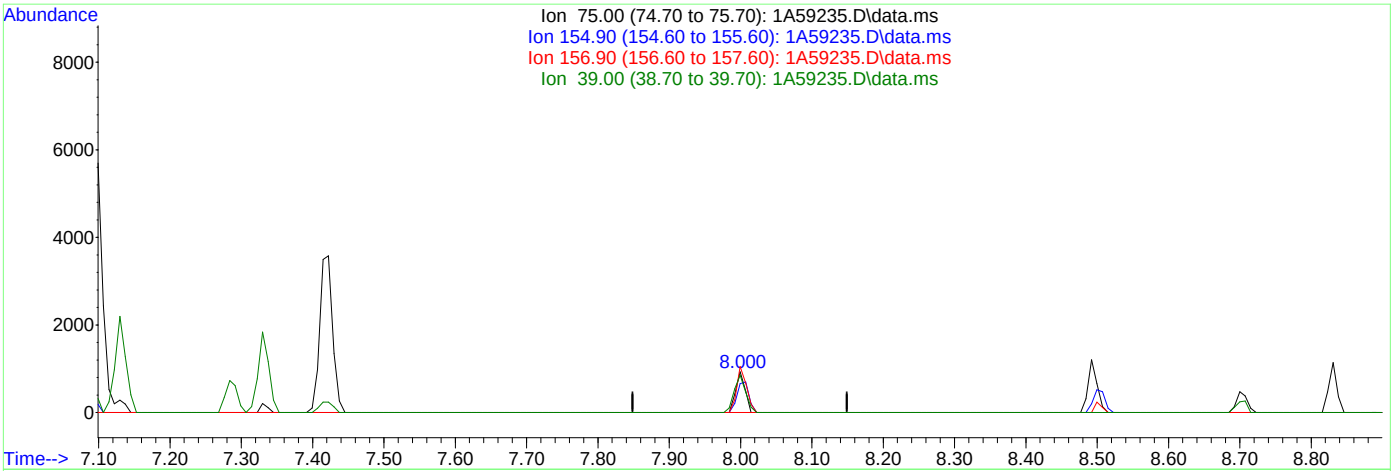
response 0

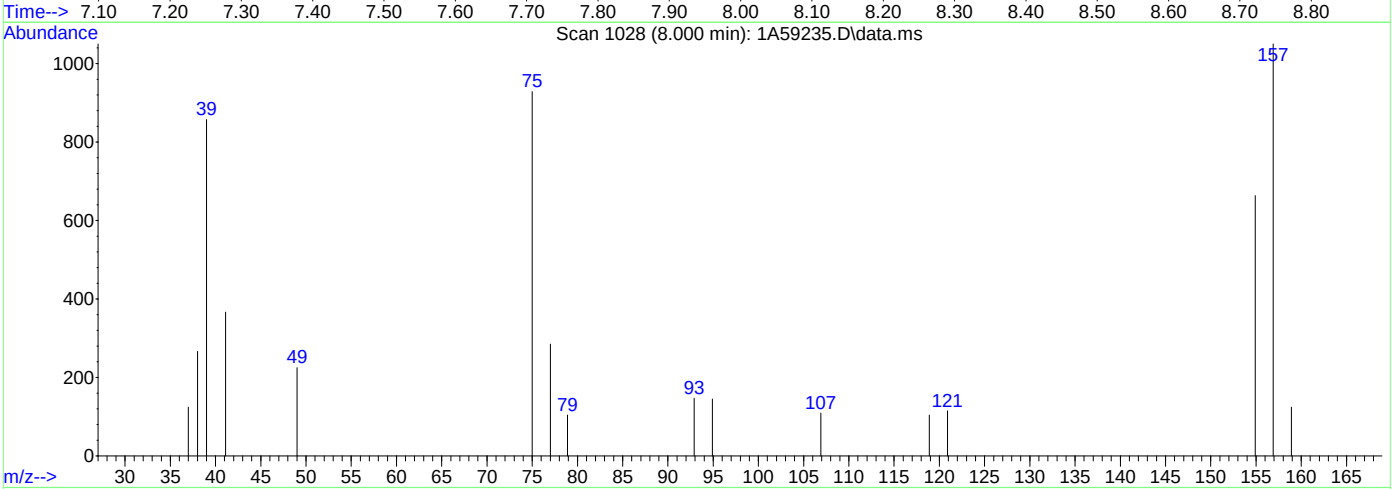
Ion	Exp%	Act%
75.00	100	0.00
154.90	75.30	0.00#
156.90	96.90	0.00#
39.00	77.50	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59235.D
Acq On : 18 Sep 2024 9:46 am
Operator : jeniferw
Sample : IC3047-3 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 18 11:46:22 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59235.D\data.ms

(108) 1,2-Dibromo-3-Chloropropane

8.000min (+0.001) 7.72ug/L m

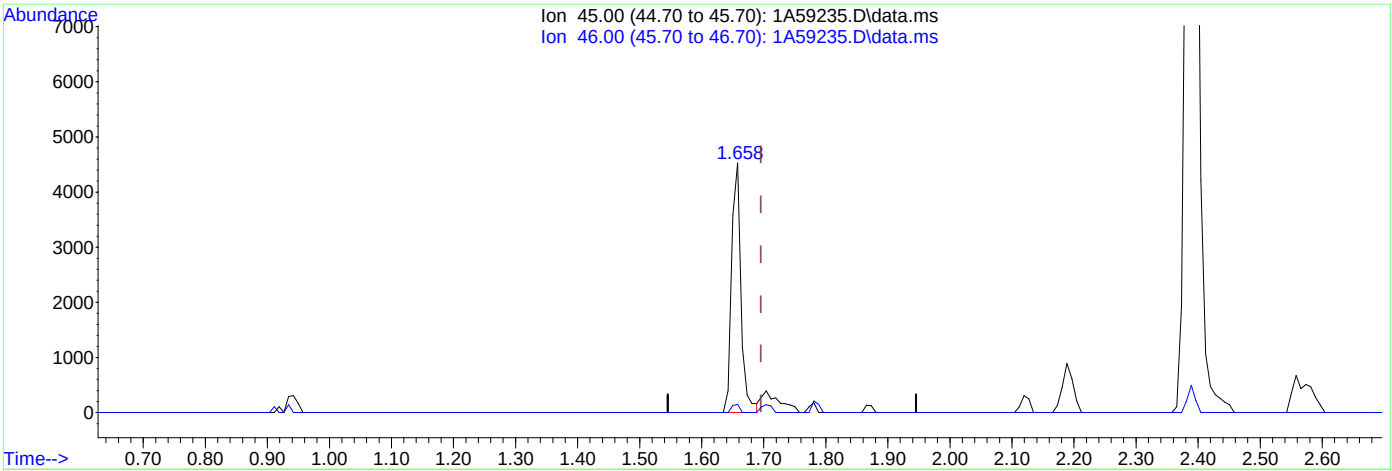
response 849

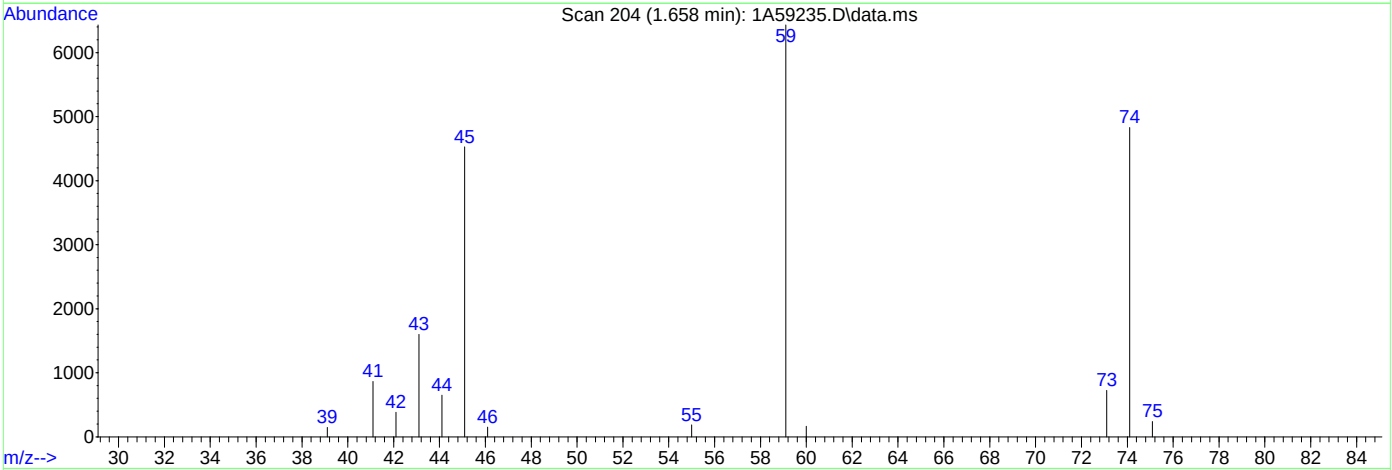
Ion	Exp%	Act%
75.00	100	100
154.90	75.30	71.44
156.90	96.90	113.15
39.00	77.50	92.35

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59235.D
Acq On : 18 Sep 2024 9:46 am
Operator : jeniferw
Sample : IC3047-3 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 18 12:11:34 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59235.D\data.ms

(10) Ethanol

1.658min (-0.038) 782.59ug/L

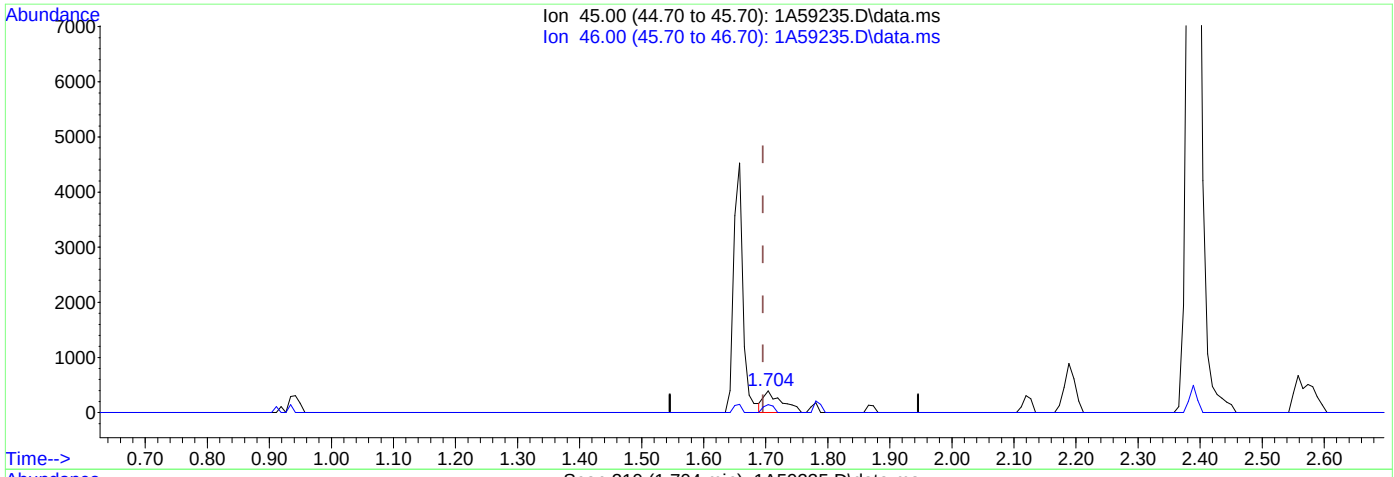
response 4775

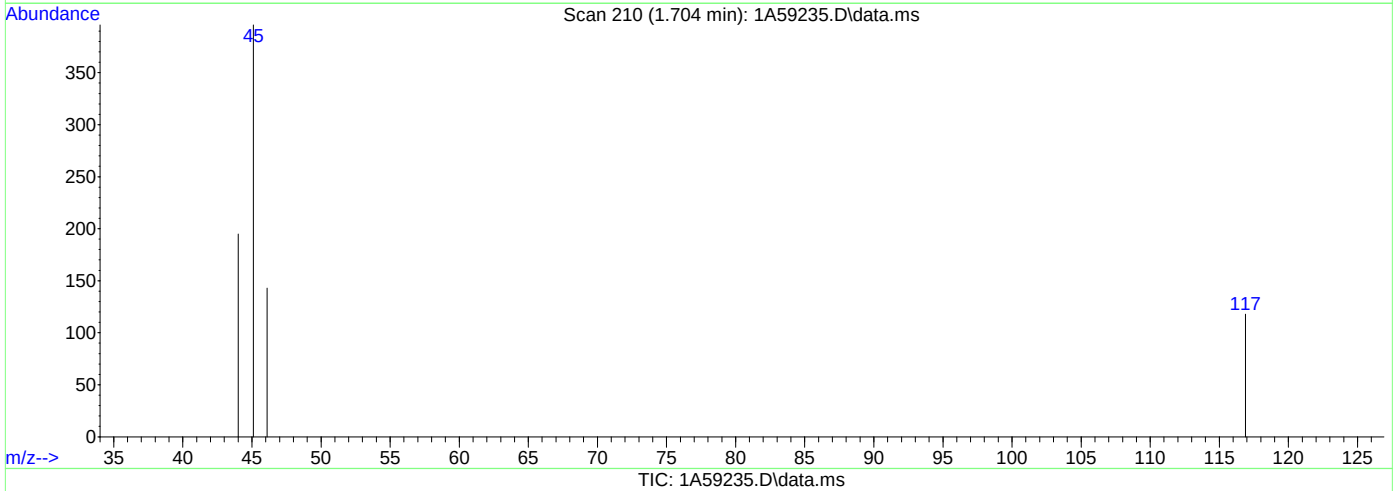
Ion	Exp%	Act%
45.00	100	100
46.00	34.40	3.31#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59235.D
Acq On : 18 Sep 2024 9:46 am
Operator : jeniferw
Sample : IC3047-3 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 18 12:11:34 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59235.D\data.ms

(10) Ethanol

1.704min (+0.008) 134.39ug/L m

response 820

Ion	Exp%	Act%
45.00	100	100
46.00	34.40	36.11
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/18/24 15:09

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59237.D
Acq On : 18 Sep 2024 10:18 am
Operator : jeniferw
Sample : IC3047-4 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 18 12:12:35 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	3.397	96	205384	50.00	ug/L		0.00
62) Chlorobenzene-d5	5.344	117	141045	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	7.091	152	75876	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	2.951	113	57462	48.65	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.30%				
49) 1,2-Dichloroethane-d4	3.235	65	65636	48.48	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 96.96%				
63) Toluene-d8	4.328	98	201119	51.59	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 103.18%				
86) 4-Bromofluorobenzene	6.222	174	61637	49.34	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.68%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.019	85	30222	21.53	ug/L		99
3) Chloromethane	1.127	50	26839	19.67	ug/L		100
4) 1,3-butadiene	1.180	39	23772	18.90	ug/L		99
5) Vinyl Chloride	1.173	62	29133	21.49	ug/L		95
6) Bromomethane	1.342	94	15608	28.23	ug/L		99
7) Chloroethane	1.411	64	18383	24.80	ug/L		97
8) Trichlorofluoromethane	1.496	101	44089	25.48	ug/L		96
9) Ethyl Ether	1.650	59	19203	23.01	ug/L		99
10) Ethanol	1.704	45	3162m	501.25	ug/L		
11) 1,2-Dichlorotrifluoroe...	1.742	67	30899	23.98	ug/L		94
12) 1,1-Dichloroethene	1.758	61	36851	21.89	ug/L		91
13) Freon 113	1.781	101	24859	23.77	ug/L		94
14) Carbon Disulfide	1.781	76	73625	22.53	ug/L		100
15) Iodomethane	1.827	142	15250	21.84	ug/L		99
16) Acrolein	1.904	56	13915	99.27	ug/L		99
17) Allyl chloride	1.989	41	33064	19.21	ug/L		88
18) Methylene Chloride	2.042	49	35119	23.22	ug/L		88
19) Acetone	2.042	43	23200	112.66	ug/L		96
20) Methyl acetate	2.119	43	65433	108.43	ug/L		96
21) trans-1,2-Dichloroethene	2.135	61	36201	22.37	ug/L		90
22) Hexane	2.196	56	23985	22.20	ug/L	#	86
23) Methyl Tert Butyl Ether	2.189	73	58643	24.35	ug/L	#	69
24) Acetonitrile	2.266	41	17966	226.54	ug/L		98
25) Tert Butyl Alcohol	2.204	59	13171	246.14	ug/L	#	70
26) Di-isopropyl ether	2.389	45	77508	21.81	ug/L		95
27) Chloroprene	2.435	53	71757	21.75	ug/L		98
28) 1,1-Dichloroethane	2.443	63	46980	22.38	ug/L		99
29) Acrylonitrile	2.435	52	38242	112.50	ug/L		95
30) ETBE	2.573	59	73230	23.67	ug/L		98
31) Vinyl acetate	2.558	43	223079	112.45	ug/L		97
32) cis-1,2-Dichloroethene	2.720	96	28009	24.41	ug/L		90
33) 2,2-Dichloropropane	2.781	77	34612	22.80	ug/L		98
34) Bromochloromethane	2.820	128	14073	24.94	ug/L		96
35) Cyclohexane	2.858	56	45699	22.03	ug/L		93
36) Chloroform	2.858	83	50209	24.05	ug/L		98
37) Ethyl acetate	2.912	43	86674	114.56	ug/L		97
38) Tetrahydrofuran	2.943	42	5090	21.67	ug/L		92
40) Carbon Tetrachloride	2.958	117	35903m	23.54	ug/L		
41) 1,1,1-Trichloroethane	2.981	97	40986	23.94	ug/L		98
42) 2-Butanone	2.997	43	37040	108.23	ug/L		95
43) 1,1-Dichloropropene	3.051	75	31445	23.55	ug/L		98
44) tert-Butyl formate	3.089	59	62280	106.97	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59237.D
Acq On : 18 Sep 2024 10:18 am
Operator : jeniferw
Sample : IC3047-4 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 18 12:12:35 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Propionitrile	3.135	54	23603	227.95	ug/L		97
46) Methacrylonitrile	3.158	41	112683	215.79	ug/L		97
47) Benzene	3.174	78	103615	23.98	ug/L		98
48) TAME	3.243	73	58011	24.54	ug/L		97
50) 1,2-Dichloroethane	3.266	62	35179	23.25	ug/L		100
51) Isobutyl Alcohol	3.243	43	30448	465.47	ug/L		96
52) Tert Amyl Alcohol	3.320	59	8871	233.89	ug/L		96
53) Trichloroethene	3.505	95	28435	23.80	ug/L		97
54) Methylcyclohexane	3.528	83	44479	24.29	ug/L		95
55) Dibromomethane	3.728	93	16226	25.36	ug/L		94
56) 1,2-Dichloropropane	3.789	63	26869	23.25	ug/L		98
57) Bromodichloromethane	3.820	83	35404	24.62	ug/L		98
58) Methyl methacrylate	3.913	41	14851	21.62	ug/L		92
59) 1,4-Dioxane	3.936	88	2406	470.31	ug/L		85
60) 2-Chloroethyl vinyl ether	4.159	63	48987	112.25	ug/L		93
61) cis-1,3-Dichloropropene	4.205	75	40070	24.78	ug/L		97
64) Toluene	4.367	91	109287	25.31	ug/L		100
65) 2-Nitropropane	4.459	41	22554	141.88	ug/L		97
66) 4-Methyl-2-pentanone	4.574	43	83768	118.44	ug/L		98
67) trans-1,3-Dichloropropene	4.605	75	34794	26.19	ug/L		98
68) Tetrachloroethene	4.628	166	30658	27.95	ug/L		99
69) Ethyl methacrylate	4.721	69	21913	24.14	ug/L		93
70) 1,1,2-Trichloroethane	4.713	83	17169	26.55	ug/L		94
71) Dibromochloromethane	4.836	129	23839	27.10	ug/L		99
72) 1,3-Dichloropropane	4.890	76	34726	25.46	ug/L		93
73) 1,2-Dibromoethane	4.990	107	20580	27.45	ug/L		95
74) 3,3-Dimethyl-1-Butanol	5.113	57	64451	1205.47	ug/L		100
75) 2-hexanone	5.129	43	67556	118.96	ug/L		93
76) 1-Chlorohexane	5.360	91	35236m	21.45	ug/L		
77) Ethylbenzene	5.390	91	127049m	26.63	ug/L		
78) Chlorobenzene	5.360	112	69661	25.48	ug/L		97
79) 1,1,1,2-Tetrachloroethane	5.406	131	23925	27.21	ug/L		98
80) m,p-Xylene	5.490	91	193019	51.05	ug/L		97
81) o-Xylene	5.798	91	98089	26.06	ug/L		99
82) Styrene	5.829	104	71988	27.03	ug/L		98
83) Bromoform	5.829	173	13379	28.32	ug/L		97
84) Isopropylbenzene	6.037	105	113886	26.27	ug/L		99
87) cis-1,4-Dichloro-2-butene	6.260	53	5778	20.58	ug/L		91
88) n-Propylbenzene	6.345	91	140606	25.58	ug/L		99
89) Bromobenzene	6.298	156	28581	25.22	ug/L		96
90) 1,1,2,2-Tetrachloroethane	6.368	83	21962	26.04	ug/L		98
91) 1,3,5-Trimethylbenzene	6.499	105	92051	25.95	ug/L		100
92) 2-Chlorotoluene	6.445	91	77490	24.29	ug/L		99
93) trans-1,4-Dichloro-2-B...	6.499	53	8193	22.85	ug/L		97
94) 1,2,3-Trichloropropane	6.460	110	6278	27.88	ug/L		94
95) Cyclohexanone	6.476	55	2057	105.80	ug/L		94
96) 4-Chlorotoluene	6.576	91	81017	24.53	ug/L		98
97) tert-Butylbenzene	6.737	91	53949	24.78	ug/L		97
98) 1,2,4-Trimethylbenzene	6.791	105	87792	26.41	ug/L		98
99) Pentachloroethane	6.737	167	13035	23.14	ug/L	#	88
100) sec-Butylbenzene	6.883	105	115958	25.81	ug/L		100
101) 4-Isopropyltoluene	6.999	119	95667	26.40	ug/L		98
102) 1,3-Dichlorobenzene	7.030	146	50841	25.78	ug/L		97
103) 1,2,3-Trimethylbenzene	7.130	105	85864	25.12	ug/L		99
104) 1,4-Dichlorobenzene	7.099	146	50319	25.11	ug/L		97
105) n-Butylbenzene	7.330	92	44369	26.52	ug/L		99
106) Benzyl Chloride	7.284	126	6209	27.25	ug/L	#	90
107) 1,2-Dichlorobenzene	7.422	146	44114	25.48	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59237.D
Acq On : 18 Sep 2024 10:18 am
Operator : jeniferw
Sample : IC3047-4 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 18 12:12:35 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration

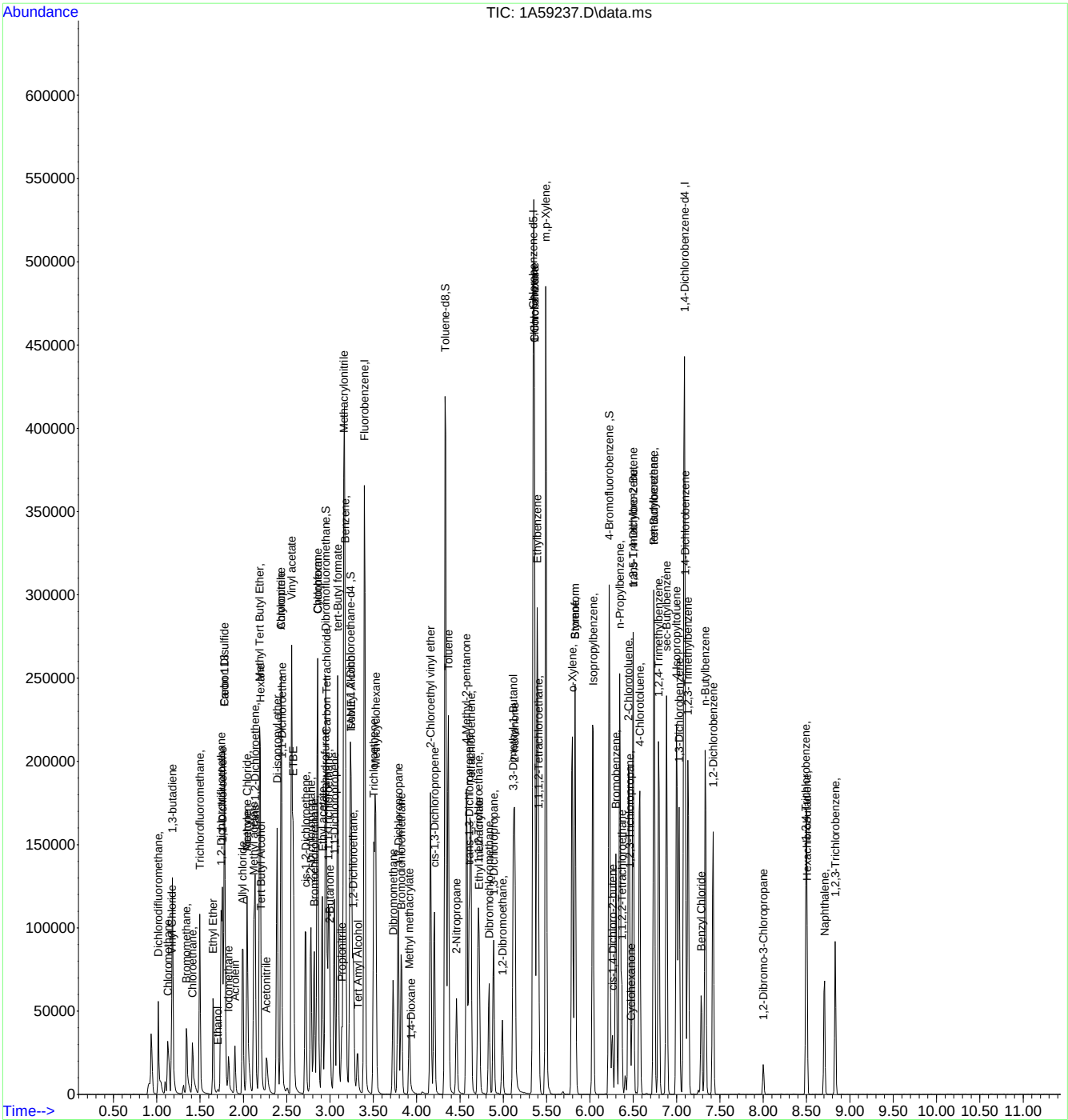
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) 1,2-Dibromo-3-Chloropr...	7.999	75	2754	23.97	ug/L	84
109) Hexachlorobutadiene	8.507	225	11210	23.58	ug/L	94
110) 1,2,4-Trichlorobenzene	8.492	180	21700	25.88	ug/L	96
111) Naphthalene	8.707	128	36538	26.90	ug/L	99
112) 1,2,3-Trichlorobenzene	8.831	180	16414	25.87	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
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Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration



Manual Integration Approval Summary

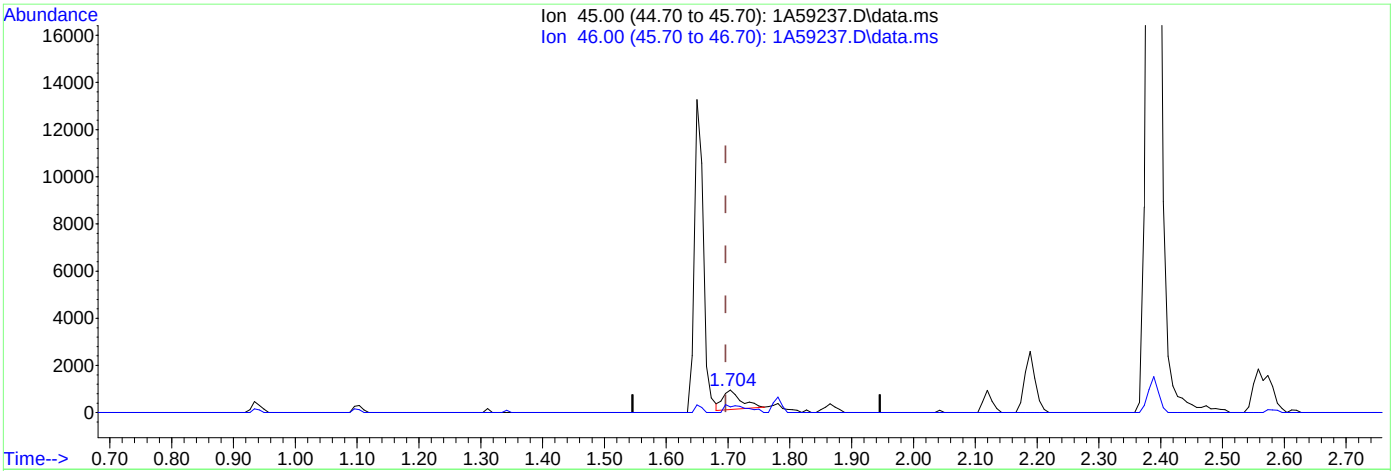
Sample Number: V1A3047-IC3047
Lab FileID: 1A59237.D
Injection Time: 09/18/24 10:18
Method: SW846 8260D
Analyst approved: 09/18/24 14:30 Jenifer Willis
Supervisor approved: 09/18/24 15:09 Karen Watson

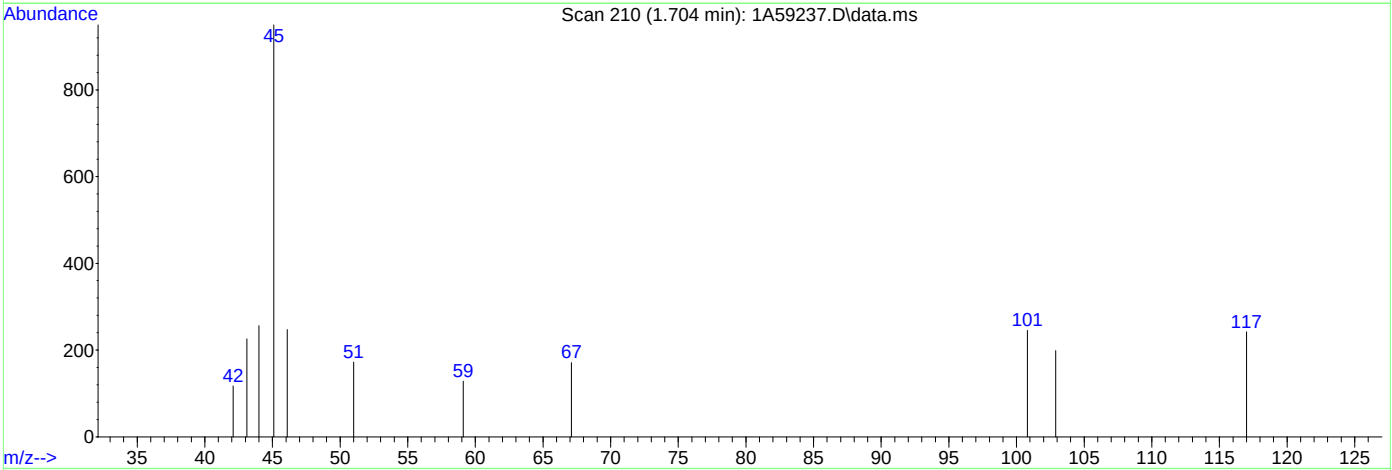
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		1.70	Poorly defined baseline
Carbon Tetrachloride	56-23-5		2.96	Overlapping peak
1-Chlorohexane	544-10-5		5.36	Overlapping peak
Ethylbenzene	100-41-4		5.39	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59237.D
Acq On : 18 Sep 2024 10:18 am
Operator : jeniferw
Sample : IC3047-4 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
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Quant Title : SW-846 Method 5030/8260D & EPA 624.1
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TIC: 1A59237.D\data.ms

(10) Ethanol

1.704min (+0.008) 267.75ug/L

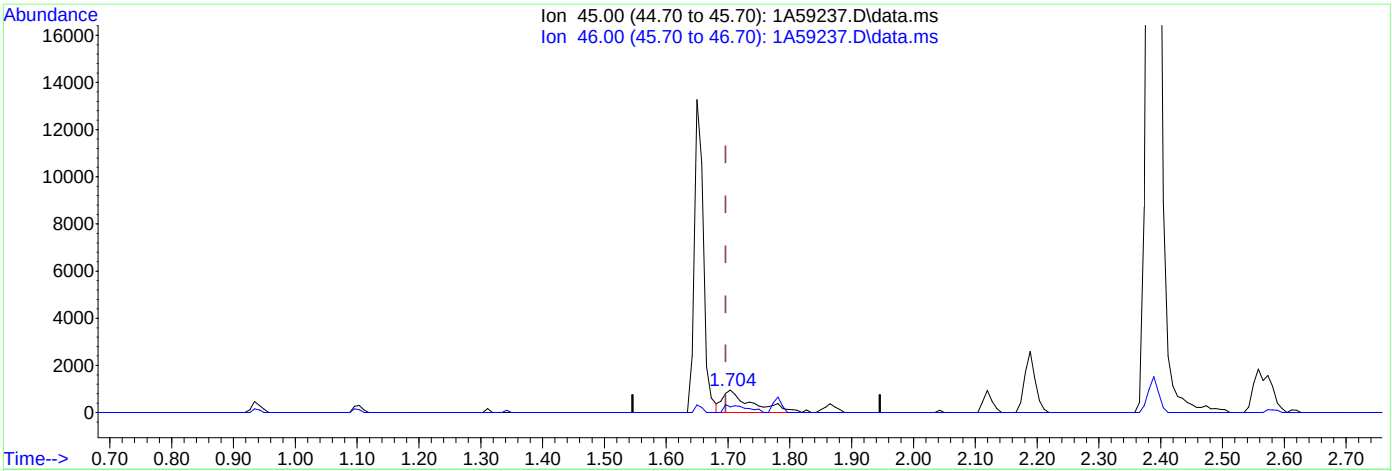
response 1689

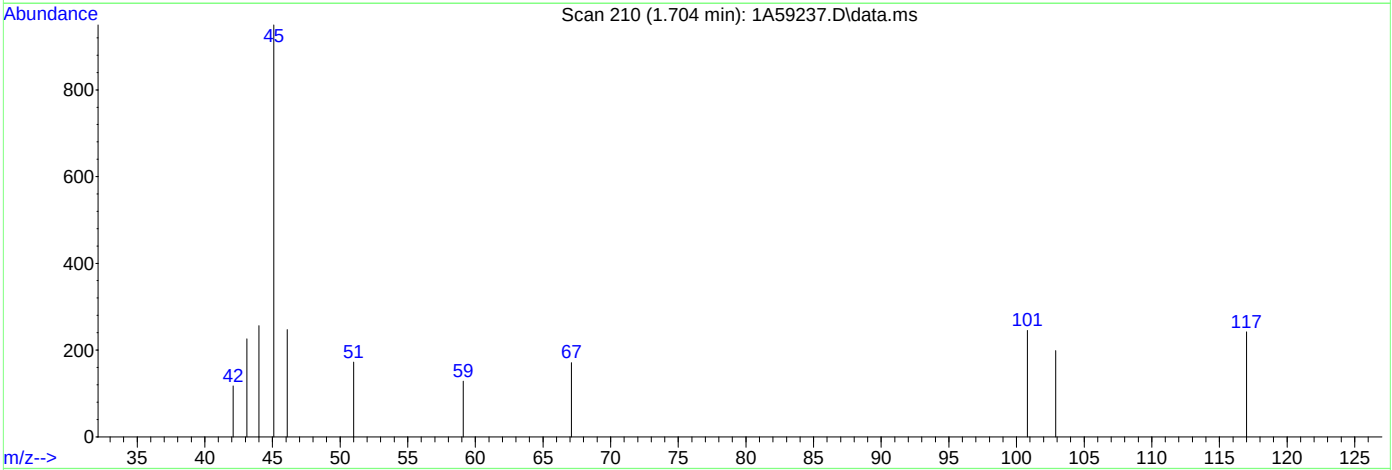
Ion	Exp%	Act%
45.00	100	100
46.00	34.40	34.07
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59237.D
Acq On : 18 Sep 2024 10:18 am
Operator : jeniferw
Sample : IC3047-4 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 18 11:46:24 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59237.D\data.ms

(10) Ethanol

1.704min (+0.008) 501.25ug/L m

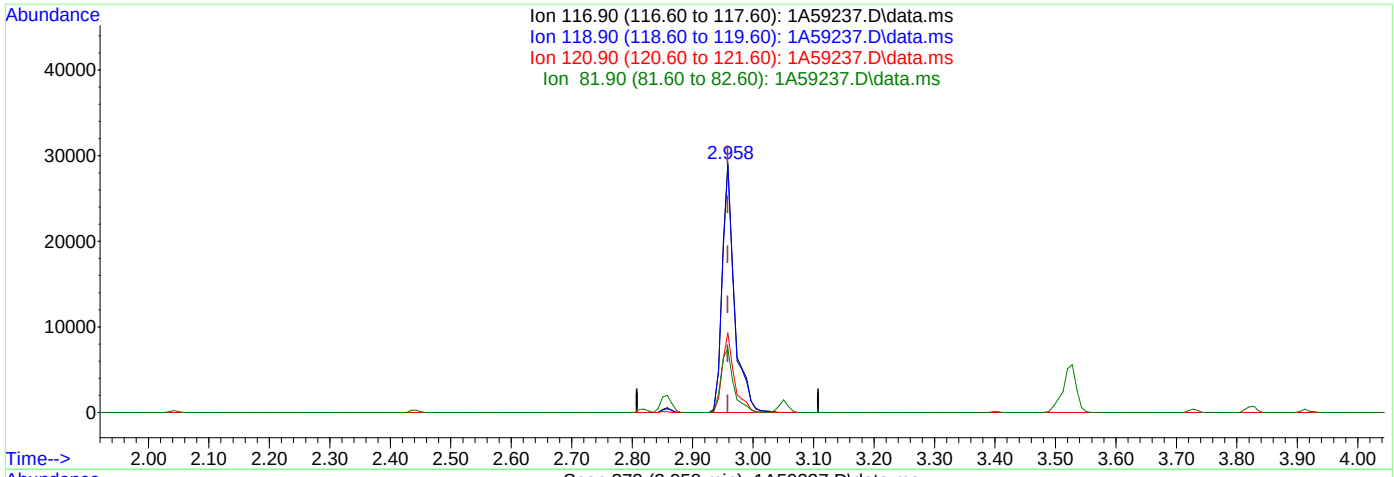
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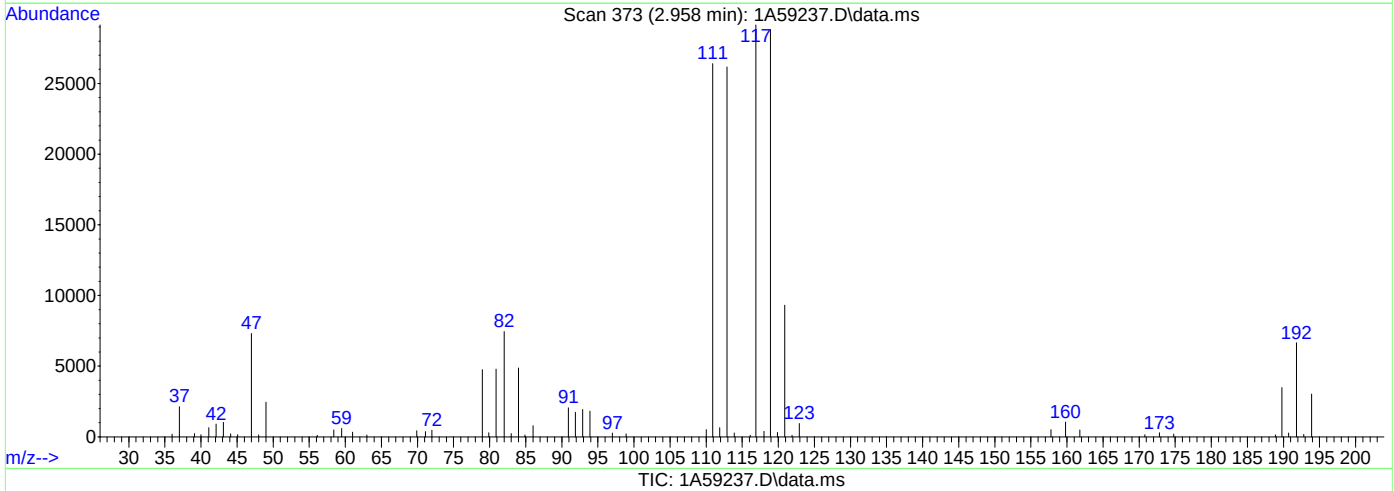
Ion	Exp%	Act%
45.00	100	100
46.00	34.40	26.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59237.D
Acq On : 18 Sep 2024 10:18 am
Operator : jeniferw
Sample : IC3047-4 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
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Quant Time: Sep 18 11:46:24 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59237.D\data.ms

(40) Carbon Tetrachloride ( )

2.958min (+0.000) 27.02ug/L

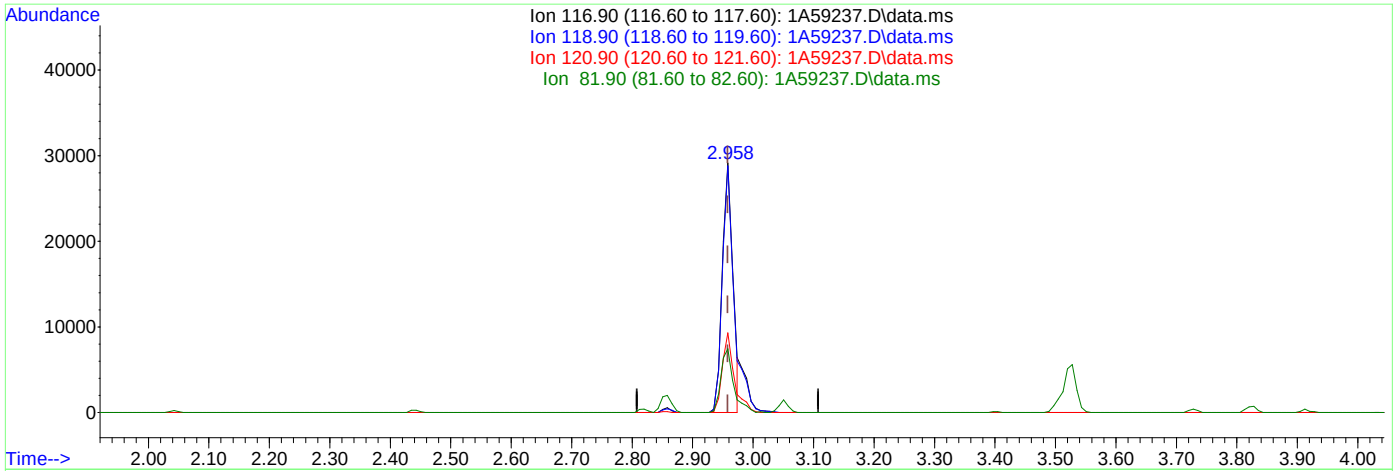
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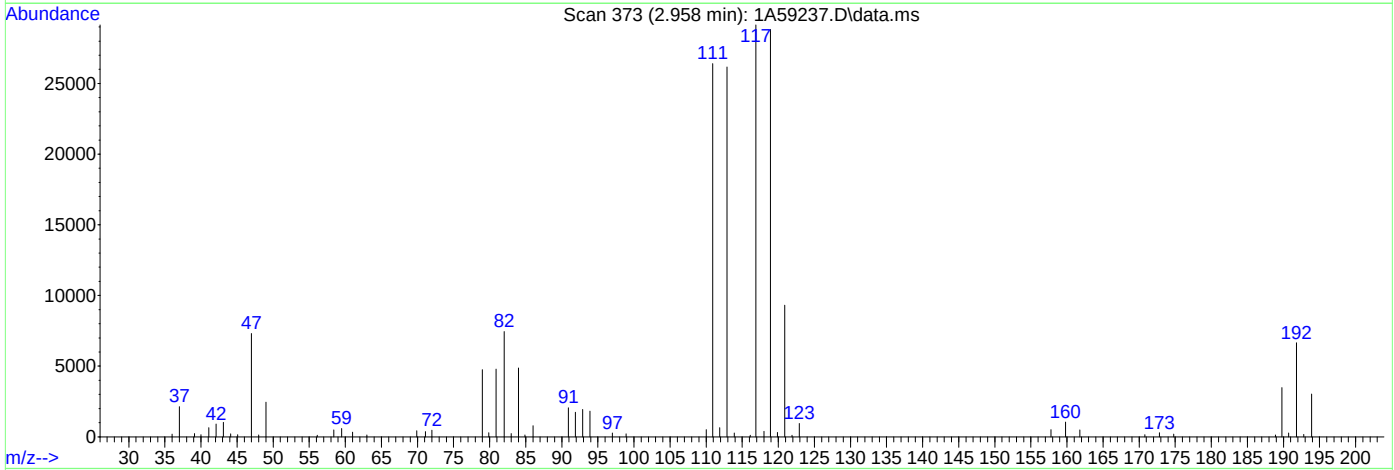
Ion	Exp%	Act%
116.90	100	100
118.90	96.70	98.85
120.90	32.00	31.95
81.90	24.70	25.58

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59237.D
Acq On : 18 Sep 2024 10:18 am
Operator : jeniferw
Sample : IC3047-4 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 18 11:46:24 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59237.D\data.ms

(40) Carbon Tetrachloride ( )

2.958min (+0.000) 23.54ug/L m

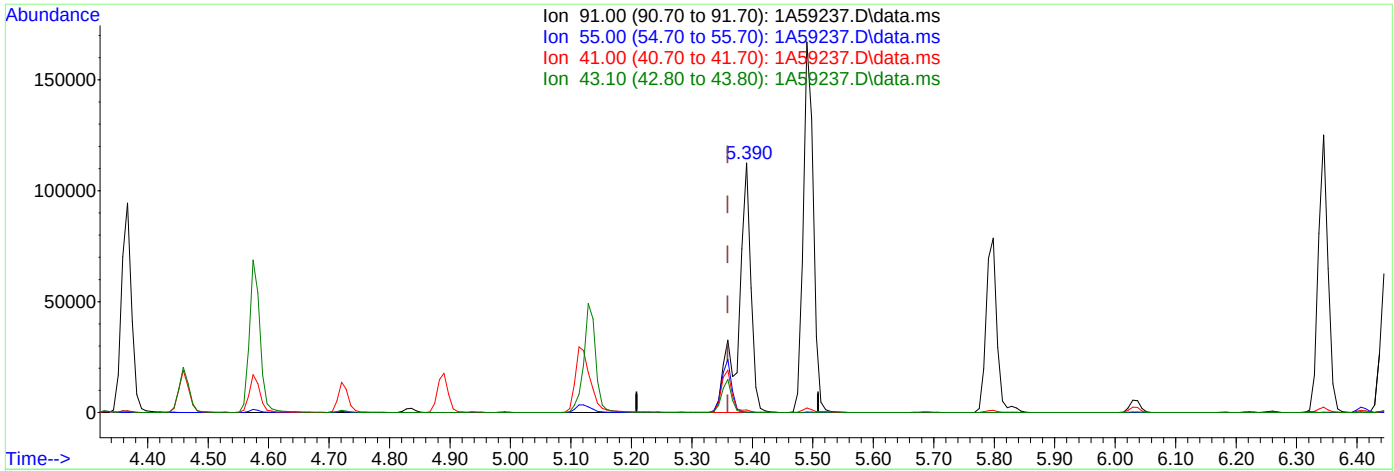
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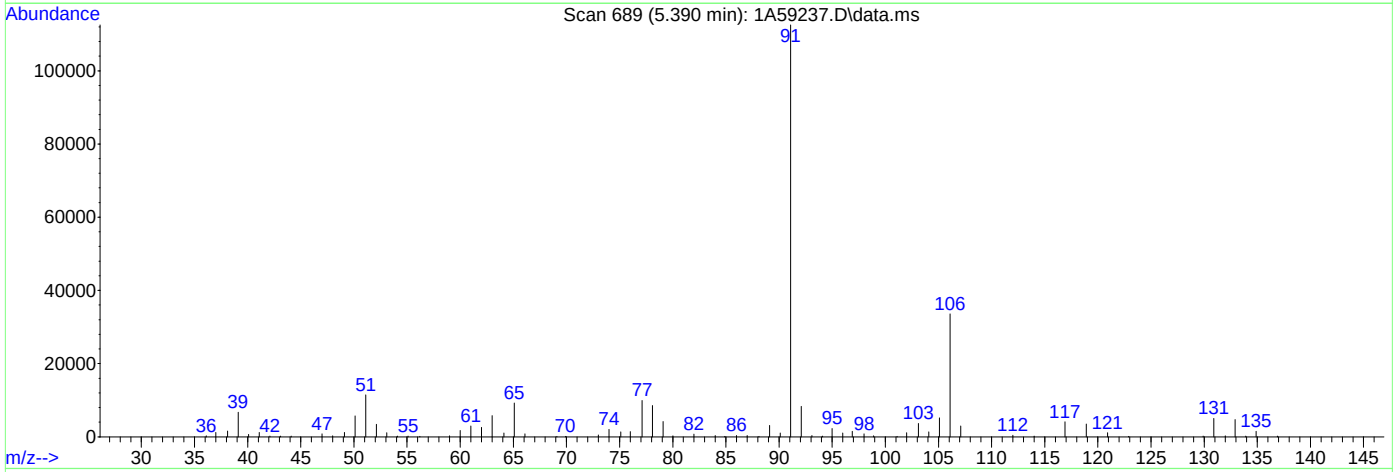
Ion	Exp%	Act%
116.90	100	100
118.90	96.70	98.85
120.90	32.00	31.95
81.90	24.70	25.58

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59237.D
Acq On : 18 Sep 2024 10:18 am
Operator : jeniferw
Sample : IC3047-4 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 18 11:46:24 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59237.D\data.ms

(76) 1-Chlorohexane

5.390min (+0.031) 98.80ug/L

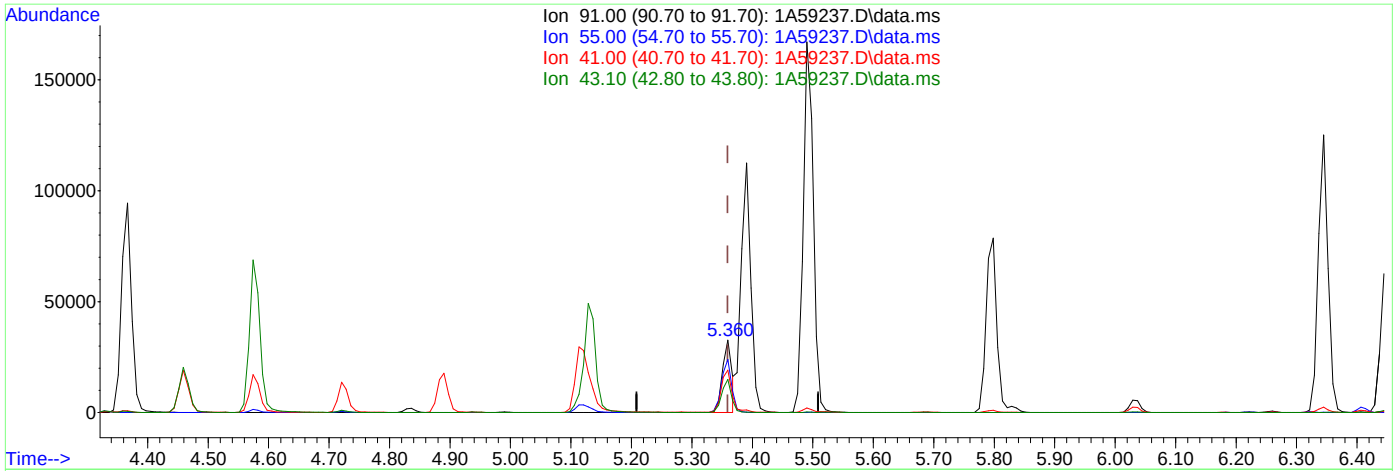
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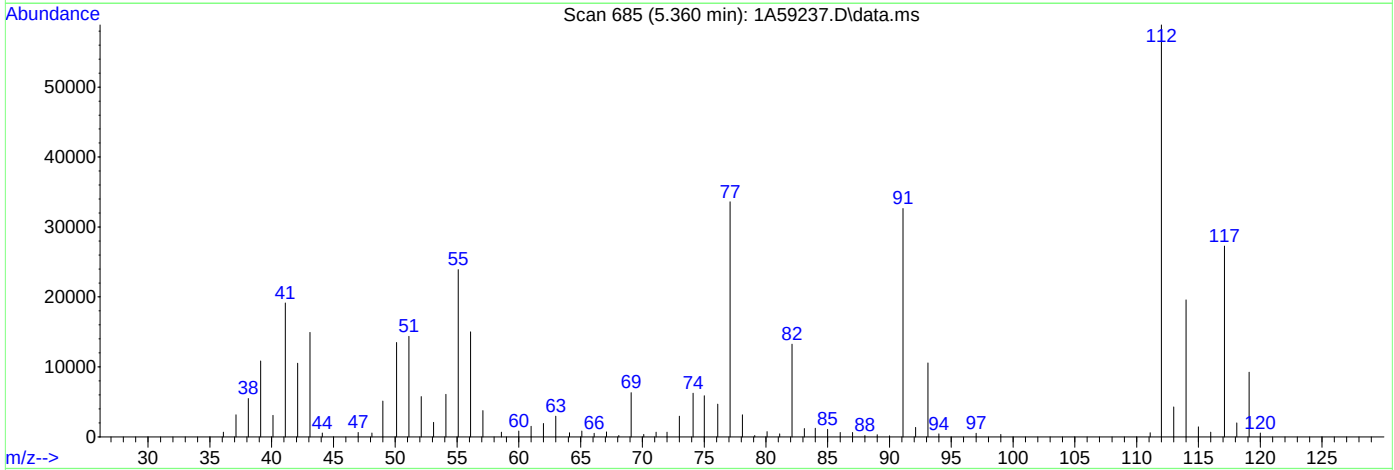
Ion	Exp%	Act%
91.00	100	100
55.00	77.50	0.21#
41.00	62.80	1.03#
43.10	51.70	0.17#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59237.D
Acq On : 18 Sep 2024 10:18 am
Operator : jeniferw
Sample : IC3047-4 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 18 11:46:24 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59237.D\data.ms

(76) 1-Chlorohexane

5.360min (+0.001) 21.45ug/L m

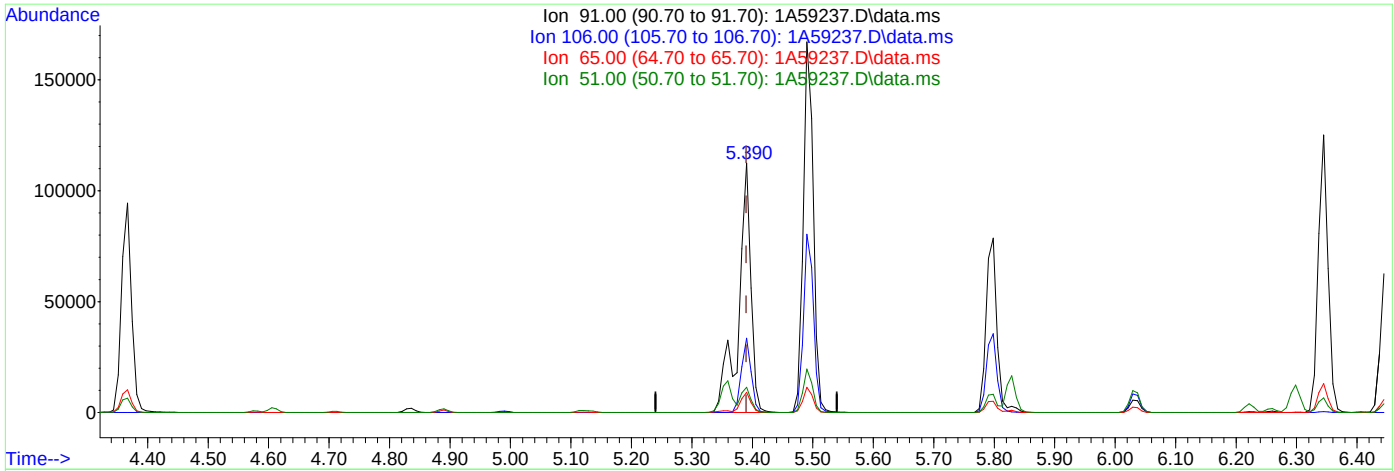
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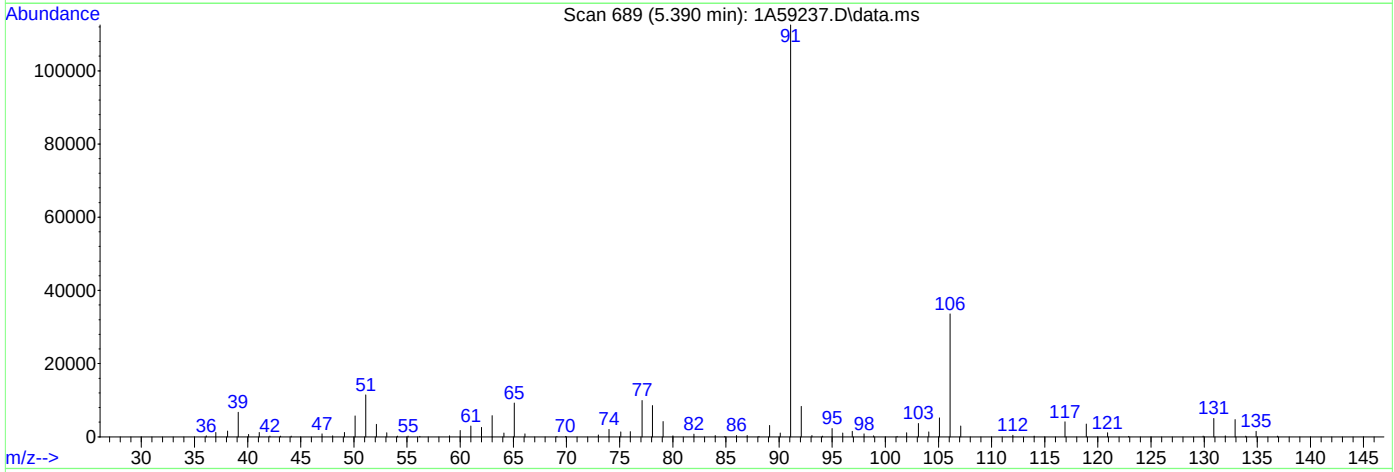
Ion	Exp%	Act%
91.00	100	100
55.00	77.50	73.32
41.00	62.80	58.61
43.10	51.70	45.76

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59237.D
Acq On : 18 Sep 2024 10:18 am
Operator : jeniferw
Sample : IC3047-4 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 18 11:46:24 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59237.D\data.ms

(77) Ethylbenzene

5.390min (+0.000) 34.01ug/L

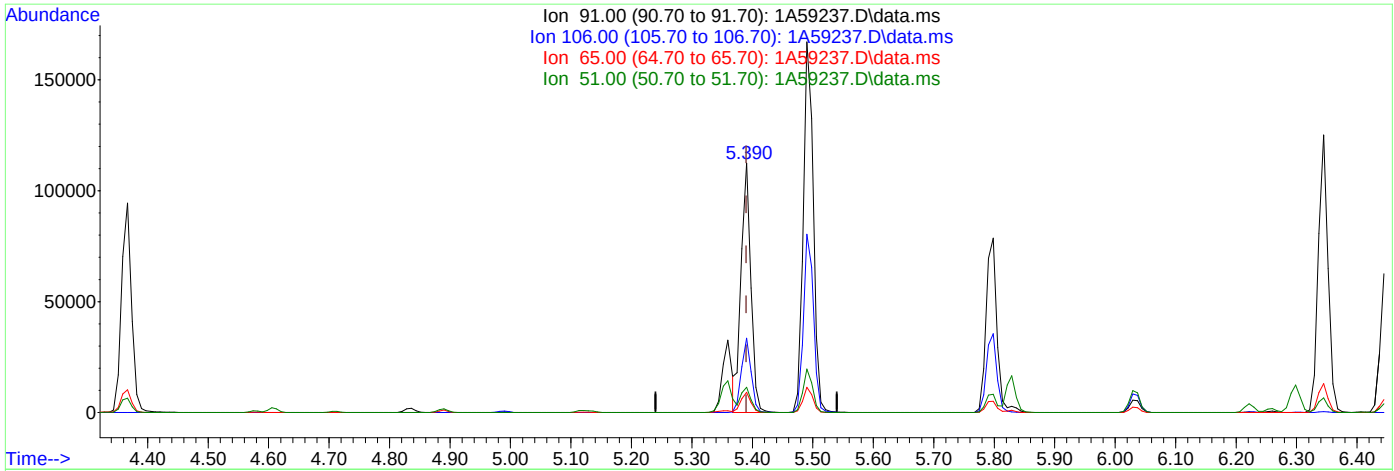
response 162291

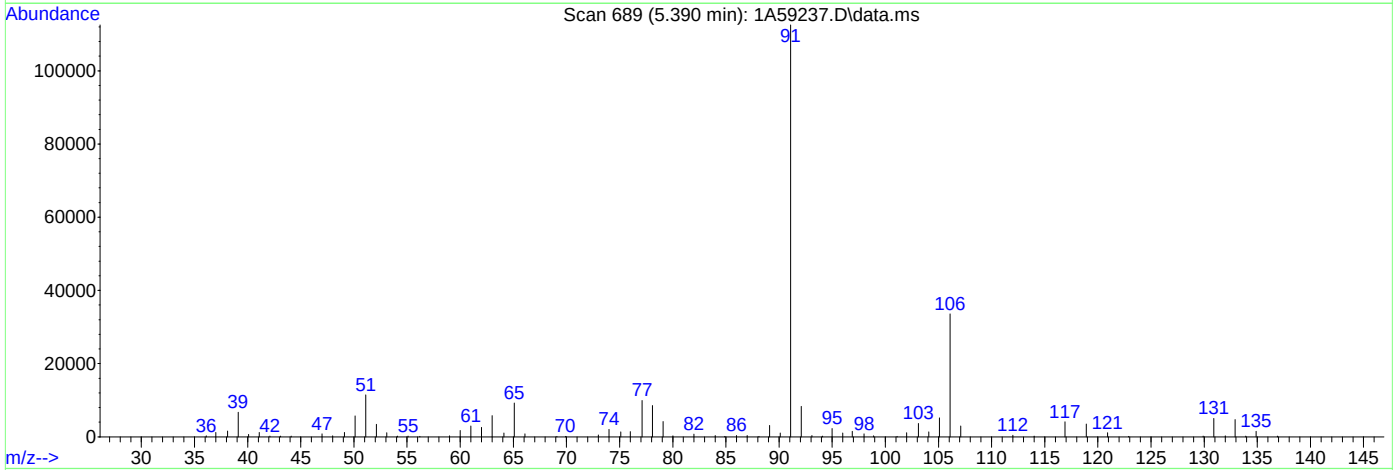
Ion	Exp%	Act%
91.00	100	100
106.00	29.70	29.83
65.00	9.20	8.19
51.00	10.90	10.17

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59237.D
Acq On : 18 Sep 2024 10:18 am
Operator : jeniferw
Sample : IC3047-4 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 18 11:46:24 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59237.D\data.ms

(77) Ethylbenzene

5.390min (+0.000) 26.63ug/L m

response 127049

Ion	Exp%	Act%
91.00	100	100
106.00	29.70	29.83
65.00	9.20	8.19
51.00	10.90	10.17

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/18/24 15:09

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59239.D
Acq On : 18 Sep 2024 10:51 am
Operator : jeniferw
Sample : ICC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 18 12:13:25 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.397	96	213708	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.344	117	146209	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.084	152	76819	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	2.951	113	60298	49.06	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.12%			
49) 1,2-Dichloroethane-d4	3.228	65	67747	48.09	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 96.18%			
63) Toluene-d8	4.328	98	205017	50.73	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 101.46%			
86) 4-Bromofluorobenzene	6.222	174	63550	50.25	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.50%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.019	85	47171	32.29	ug/L	100
3) Chloromethane	1.127	50	43635	30.74	ug/L	96
4) 1,3-butadiene	1.181	39	38310	29.27	ug/L	91
5) Vinyl Chloride	1.165	62	47280	33.52	ug/L	98
6) Bromomethane	1.342	94	27663	48.08	ug/L	99
7) Chloroethane	1.411	64	29751	39.96	ug/L	99
8) Trichlorofluoromethane	1.496	101	72123	40.05	ug/L	97
9) Ethyl Ether	1.650	59	30118	34.69	ug/L	98
10) Ethanol	1.696	45	4691m	714.67	ug/L	
11) 1,2-Dichlorotrifluoroe...	1.742	67	51030	38.07	ug/L	92
12) 1,1-Dichloroethene	1.758	61	61519	35.12	ug/L	89
13) Freon 113	1.781	101	41406	38.05	ug/L	98
14) Carbon Disulfide	1.781	76	122960	36.16	ug/L	96
15) Iodomethane	1.827	142	30755	39.16	ug/L	100
16) Acrolein	1.904	56	22787	156.23	ug/L	96
17) Allyl chloride	1.989	41	56208	31.38	ug/L	89
18) Methylene Chloride	2.043	49	54866	34.86	ug/L	88
19) Acetone	2.043	43	35127	163.93	ug/L	97
20) Methyl acetate	2.120	43	101887	162.26	ug/L	96
21) trans-1,2-Dichloroethene	2.135	61	60822	36.12	ug/L	88
22) Hexane	2.189	56	38322	34.08	ug/L	96
23) Methyl Tert Butyl Ether	2.189	73	95806	38.24	ug/L	81
24) Acetonitrile	2.266	41	27092	328.30	ug/L	96
25) Tert Butyl Alcohol	2.204	59	21350	376.32	ug/L	92
26) Di-isopropyl ether	2.389	45	127462	34.47	ug/L	95
27) Chloroprene	2.435	53	116069	33.81	ug/L	98
28) 1,1-Dichloroethane	2.435	63	79527	36.41	ug/L	99
29) Acrylonitrile	2.435	52	59827	169.15	ug/L	89
30) ETBE	2.574	59	120840	37.53	ug/L	97
31) Vinyl acetate	2.558	43	353479	171.24	ug/L	97
32) cis-1,2-Dichloroethene	2.712	96	45677	38.26	ug/L	96
33) 2,2-Dichloropropane	2.781	77	58629	37.11	ug/L	96
34) Bromochloromethane	2.820	128	22985	39.14	ug/L	92
35) Cyclohexane	2.858	56	77462	35.89	ug/L	95
36) Chloroform	2.858	83	81425	37.49	ug/L	98
37) Ethyl acetate	2.905	43	135723	172.40	ug/L	99
38) Tetrahydrofuran	2.943	42	7422	30.37	ug/L	89
40) Carbon Tetrachloride	2.958	117	61912m	39.00	ug/L	
41) 1,1,1-Trichloroethane	2.982	97	68202	38.28	ug/L	98
42) 2-Butanone	2.997	43	57147	160.48	ug/L	96
43) 1,1-Dichloropropene	3.051	75	54032	38.89	ug/L	97
44) tert-Butyl formate	3.089	59	103856	164.79	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59239.D
Acq On : 18 Sep 2024 10:51 am
Operator : jeniferw
Sample : ICC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 18 12:13:25 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Propionitrile	3.135	54	35893	333.14	ug/L		97
46) Methacrylonitrile	3.159	41	177352	326.40	ug/L		96
47) Benzene	3.174	78	173322	38.55	ug/L		98
48) TAME	3.243	73	95359	38.77	ug/L		95
50) 1,2-Dichloroethane	3.266	62	55505	35.25	ug/L		98
51) Isobutyl Alcohol	3.243	43	48028	705.62	ug/L		96
52) Tert Amyl Alcohol	3.312	59	15270	386.92	ug/L		96
53) Trichloroethene	3.505	95	46847	37.68	ug/L		96
54) Methylcyclohexane	3.520	83	75971	39.88	ug/L		97
55) Dibromomethane	3.728	93	26158	39.29	ug/L		96
56) 1,2-Dichloropropane	3.790	63	44440	36.96	ug/L		98
57) Bromodichloromethane	3.820	83	57981	38.75	ug/L		95
58) Methyl methacrylate	3.913	41	24026	33.62	ug/L		91
59) 1,4-Dioxane	3.936	88	3904	733.41	ug/L		93
60) 2-Chloroethyl vinyl ether	4.159	63	80263	176.76	ug/L		91
61) cis-1,3-Dichloropropene	4.205	75	65515	38.94	ug/L		98
64) Toluene	4.367	91	180994	40.43	ug/L		98
65) 2-Nitropropane	4.459	41	35991	209.83	ug/L		99
66) 4-Methyl-2-pentanone	4.575	43	135270	184.51	ug/L		96
67) trans-1,3-Dichloropropene	4.605	75	56297	40.87	ug/L		98
68) Tetrachloroethene	4.629	166	54683	48.09	ug/L		97
69) Ethyl methacrylate	4.721	69	36883	39.19	ug/L		92
70) 1,1,2-Trichloroethane	4.706	83	27849	41.55	ug/L		97
71) Dibromochloromethane	4.836	129	39032	42.80	ug/L		96
72) 1,3-Dichloropropane	4.890	76	55843	39.50	ug/L		94
73) 1,2-Dibromoethane	4.990	107	32189	41.42	ug/L		99
74) 3,3-Dimethyl-1-Butanol	5.113	57	115910	1929.84	ug/L		97
75) 2-hexanone	5.129	43	109673	181.95	ug/L		93
76) 1-Chlorohexane	5.360	91	60219m	35.37	ug/L		
77) Ethylbenzene	5.391	91	210161m	42.49	ug/L		
78) Chlorobenzene	5.360	112	116634	41.16	ug/L		96
79) 1,1,1,2-Tetrachloroethane	5.406	131	38871	42.64	ug/L		98
80) m,p-Xylene	5.491	91	321713	82.08	ug/L		99
81) o-Xylene	5.798	91	163179	41.82	ug/L		98
82) Styrene	5.829	104	120845	43.78	ug/L		97
83) Bromoform	5.829	173	21700	44.31	ug/L		95
84) Isopropylbenzene	6.029	105	191136	42.53	ug/L		98
87) cis-1,4-Dichloro-2-butene	6.260	53	9421	33.15	ug/L		95
88) n-Propylbenzene	6.345	91	233284	41.92	ug/L		97
89) Bromobenzene	6.299	156	47724	41.60	ug/L		93
90) 1,1,2,2-Tetrachloroethane	6.368	83	34294	40.17	ug/L		99
91) 1,3,5-Trimethylbenzene	6.499	105	153196	42.65	ug/L		98
92) 2-Chlorotoluene	6.445	91	131609	40.75	ug/L		98
93) trans-1,4-Dichloro-2-B...	6.499	53	13325	36.70	ug/L		94
94) 1,2,3-Trichloropropane	6.460	110	9571	41.97	ug/L		98
95) Cyclohexanone	6.476	55	3279	166.58	ug/L		94
96) 4-Chlorotoluene	6.576	91	134837	40.33	ug/L		97
97) tert-Butylbenzene	6.737	91	91795	41.64	ug/L		97
98) 1,2,4-Trimethylbenzene	6.791	105	145725	43.30	ug/L		96
99) Pentachloroethane	6.737	167	20563	36.06	ug/L	#	70
100) sec-Butylbenzene	6.884	105	195788	43.05	ug/L		99
101) 4-Isopropyltoluene	6.999	119	161364	43.98	ug/L		99
102) 1,3-Dichlorobenzene	7.030	146	83993	42.07	ug/L		98
103) 1,2,3-Trimethylbenzene	7.130	105	142610	41.21	ug/L		100
104) 1,4-Dichlorobenzene	7.099	146	83881	41.34	ug/L		96
105) n-Butylbenzene	7.330	92	73908	43.64	ug/L		98
106) Benzyl Chloride	7.284	126	10287	42.03	ug/L	#	93
107) 1,2-Dichlorobenzene	7.422	146	73149	41.72	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59239.D
Acq On : 18 Sep 2024 10:51 am
Operator : jeniferw
Sample : ICC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 18 12:13:25 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration

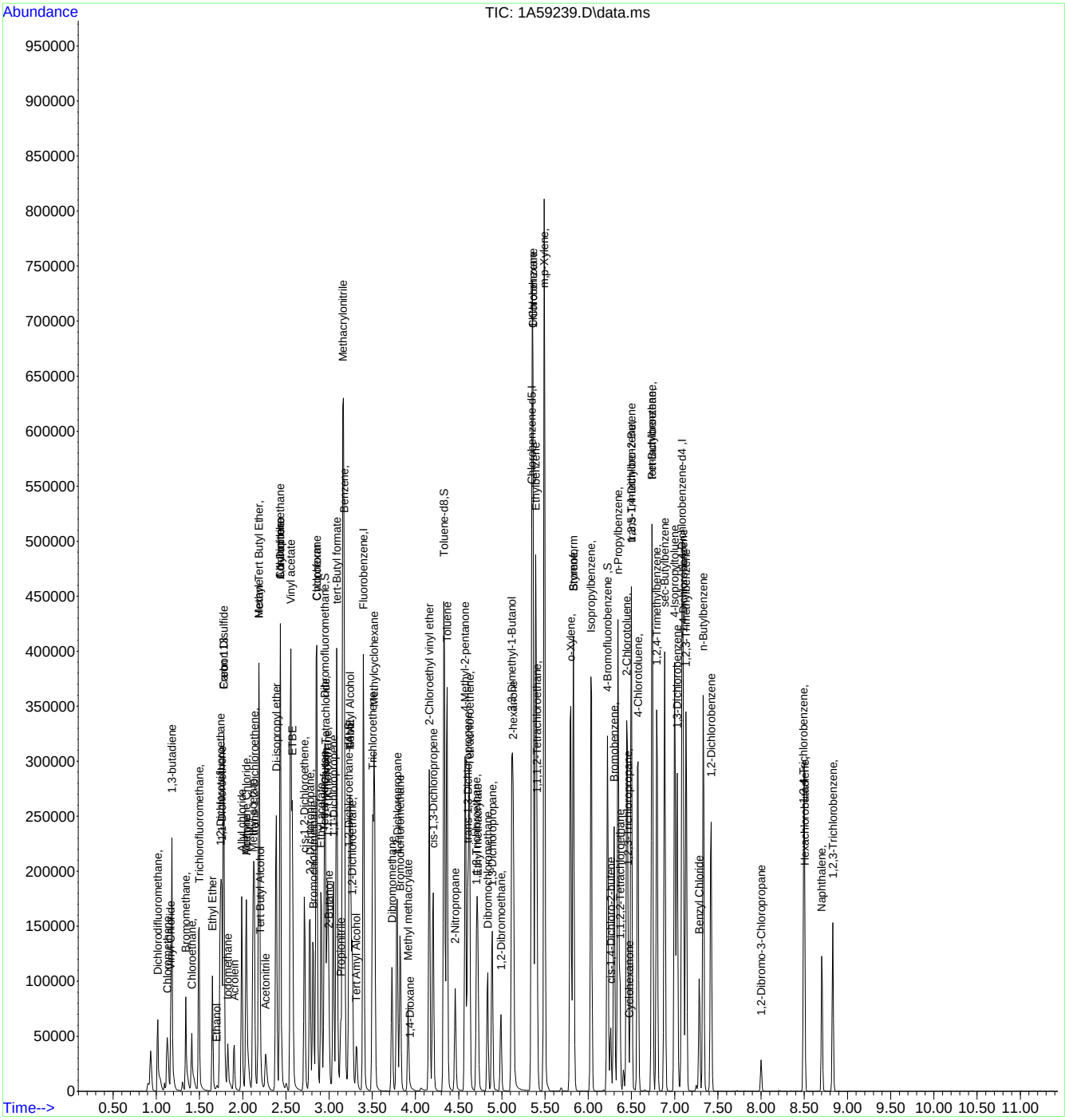
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) 1,2-Dibromo-3-Chloropr...	8.000	75	4228	36.35	ug/L	84
109) Hexachlorobutadiene	8.508	225	19813	41.17	ug/L	97
110) 1,2,4-Trichlorobenzene	8.492	180	36902	43.46	ug/L	94
111) Naphthalene	8.700	128	62506	42.25	ug/L	99
112) 1,2,3-Trichlorobenzene	8.831	180	28501	44.37	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59239.D
Acq On : 18 Sep 2024 10:51 am
Operator : jeniferw
Sample : ICC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 18 12:13:25 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration



Manual Integration Approval Summary

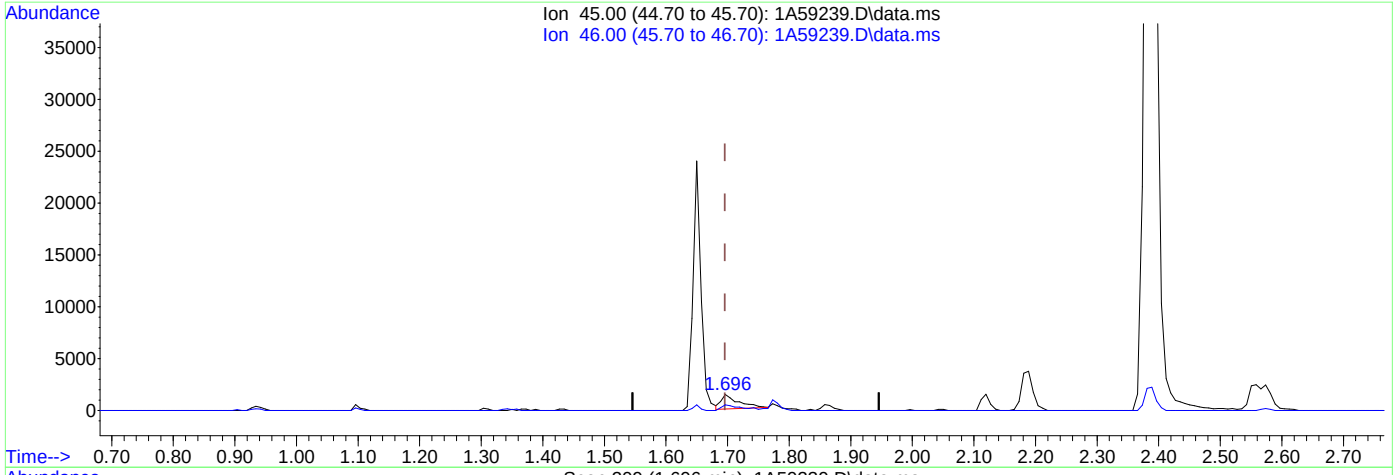
Sample Number: V1A3047-ICC3047 **Method:** SW846 8260D
Lab FileID: 1A59239.D **Analyst approved:** 09/18/24 14:56 Jenifer Willis
Injection Time: 09/18/24 10:51 **Supervisor approved:** 09/18/24 15:09 Karen Watson

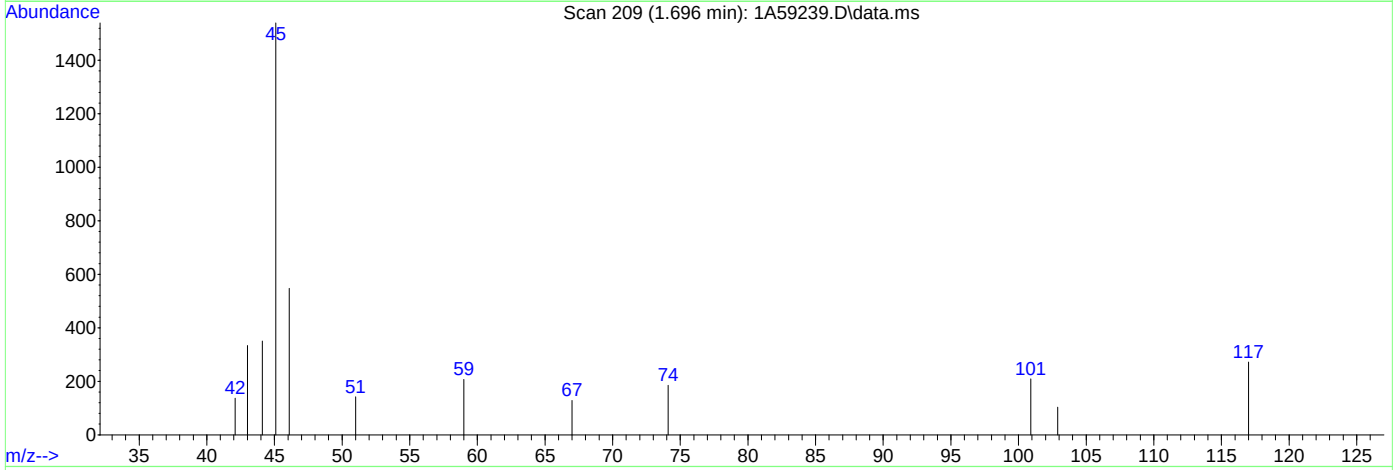
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		1.70	Poorly defined baseline
Carbon Tetrachloride	56-23-5		2.96	Overlapping peak
1-Chlorohexane	544-10-5		5.36	Overlapping peak
Ethylbenzene	100-41-4		5.39	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59239.D
Acq On : 18 Sep 2024 10:51 am
Operator : jeniferw
Sample : IC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 18 11:46:26 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59239.D\data.ms

(10) Ethanol

1.696min (+0.000) 420.03ug/L

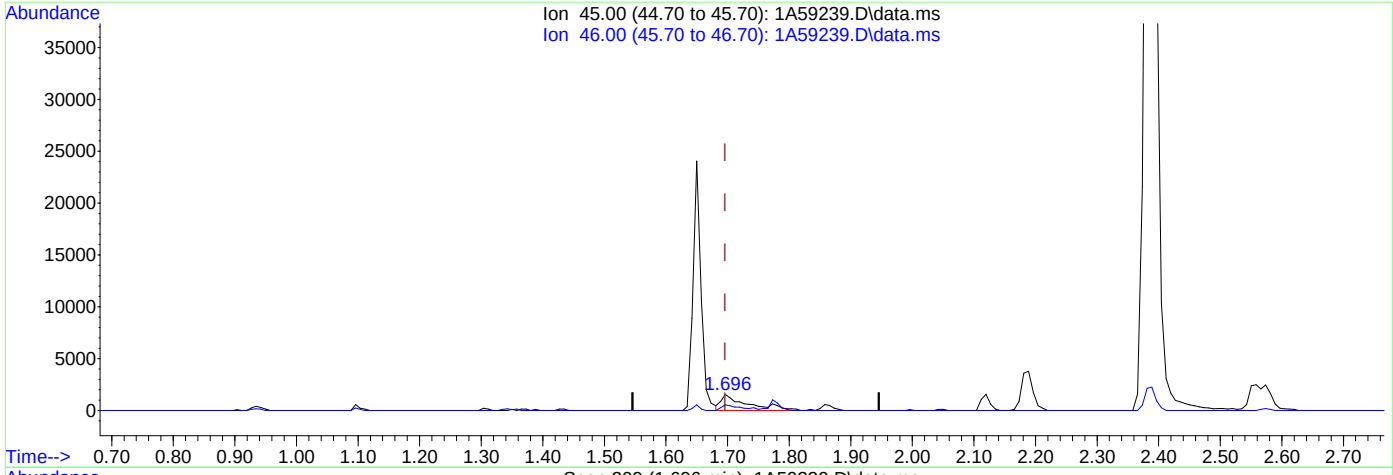
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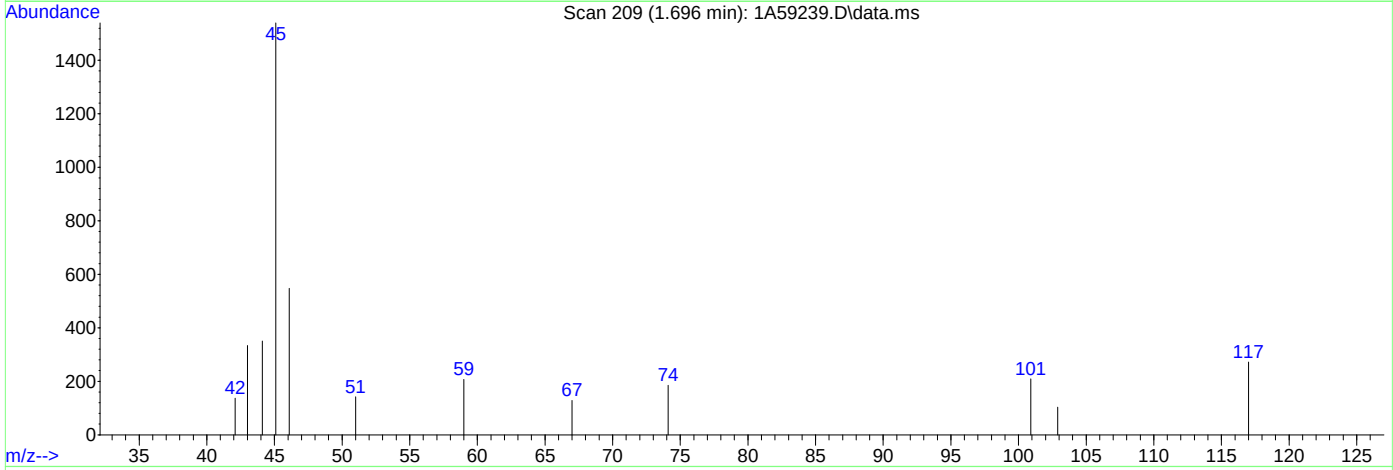
Ion	Exp%	Act%
45.00	100	100
46.00	34.40	44.04
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59239.D
Acq On : 18 Sep 2024 10:51 am
Operator : jeniferw
Sample : IC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 18 11:46:26 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59239.D\data.ms

(10) Ethanol

1.696min (+0.000) 714.67ug/L m

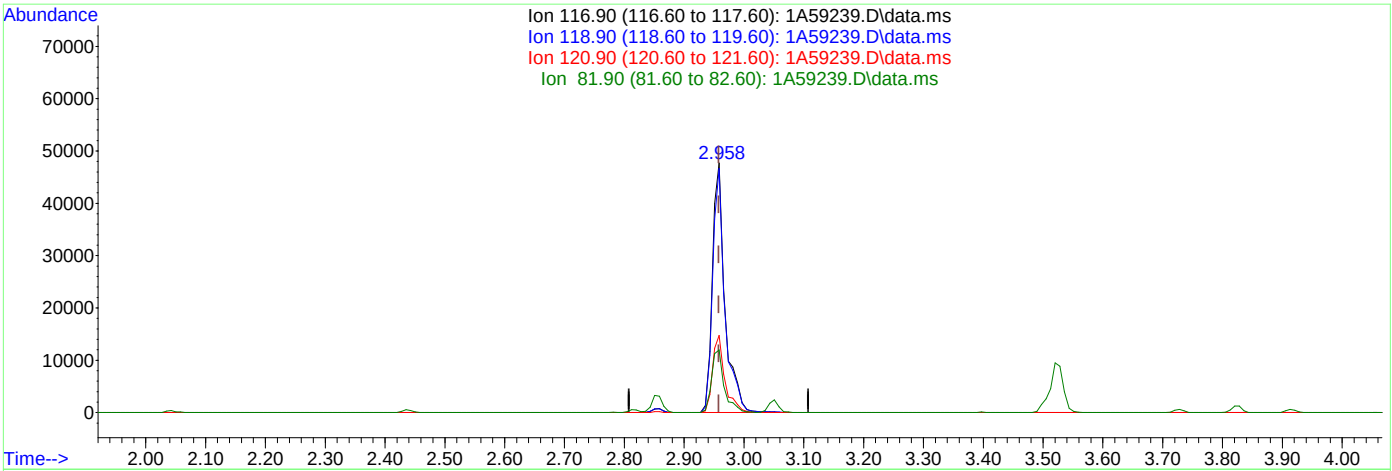
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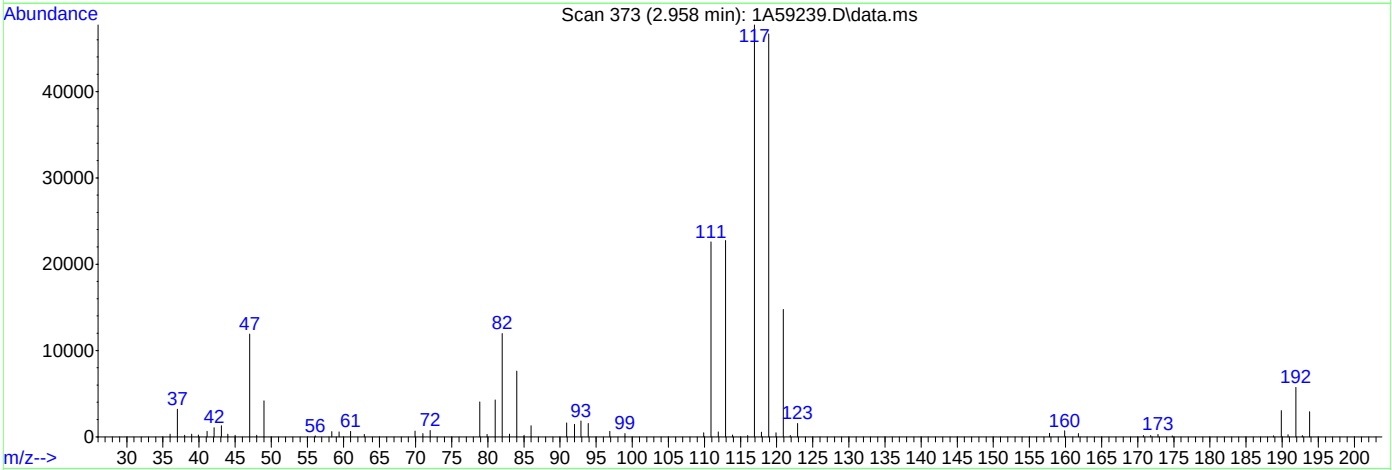
Ion	Exp%	Act%
45.00	100	100
46.00	34.40	35.52
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59239.D
Acq On : 18 Sep 2024 10:51 am
Operator : jeniferw
Sample : IC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 18 11:46:26 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59239.D\data.ms

(40) Carbon Tetrachloride ( )

2.958min (+0.000) 44.21ug/L

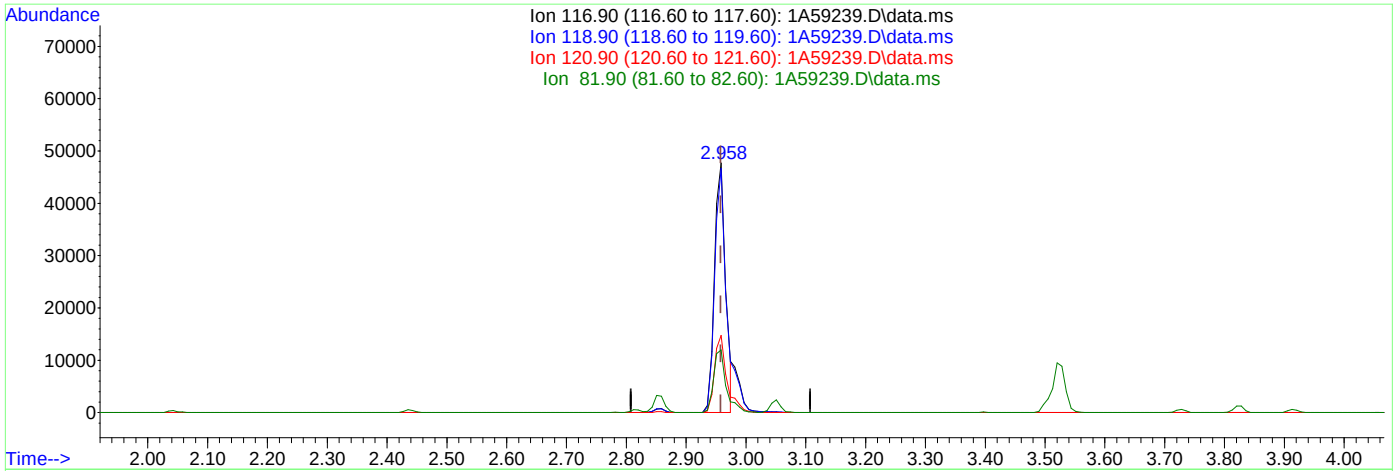
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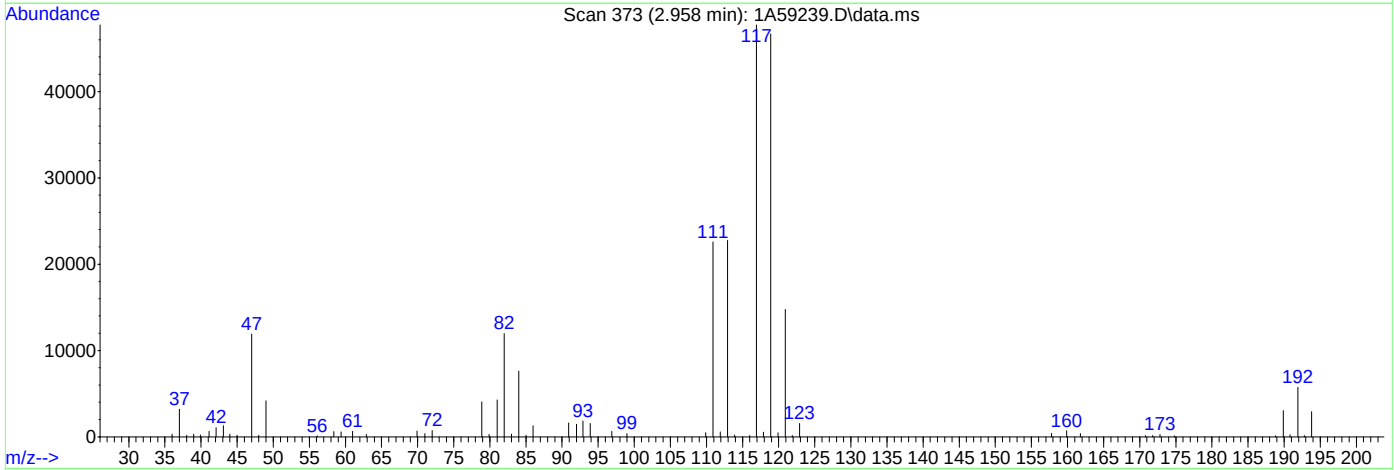
Ion	Exp%	Act%
116.90	100	100
118.90	96.70	97.79
120.90	32.00	30.90
81.90	24.70	25.06

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59239.D
Acq On : 18 Sep 2024 10:51 am
Operator : jeniferw
Sample : IC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 18 11:46:26 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59239.D\data.ms

(40) Carbon Tetrachloride ( )

2.958min (+0.000) 39.00ug/L m

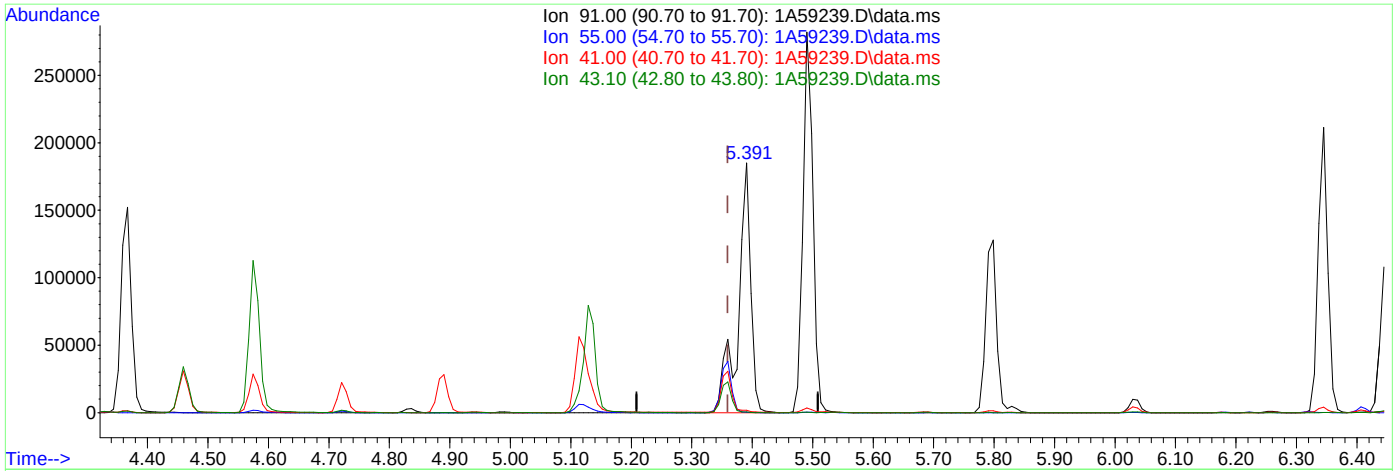
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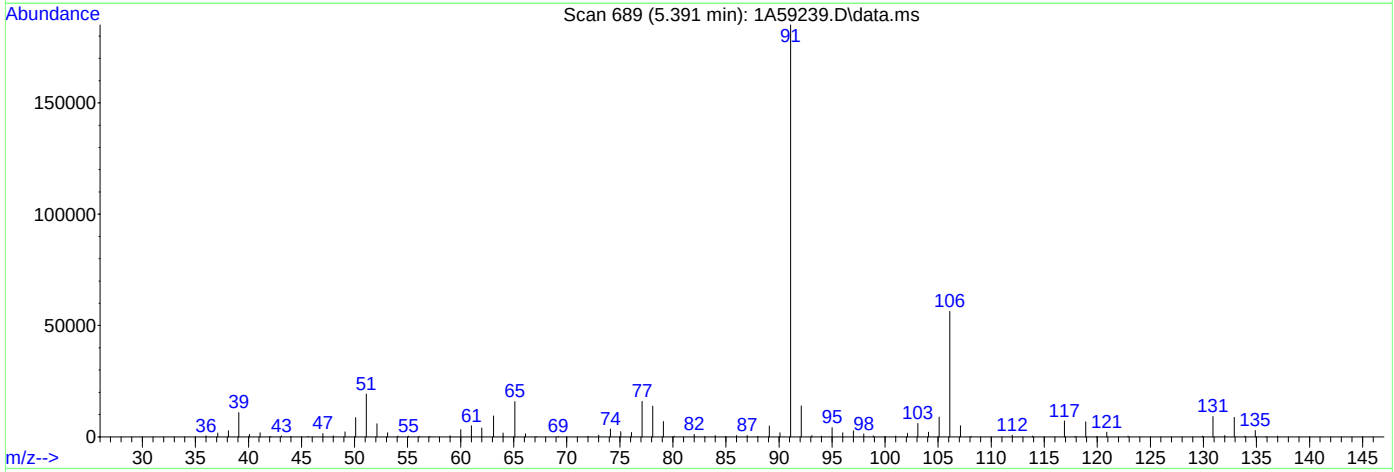
Ion	Exp%	Act%
116.90	100	100
118.90	96.70	97.79
120.90	32.00	30.90
81.90	24.70	25.06

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59239.D
Acq On : 18 Sep 2024 10:51 am
Operator : jeniferw
Sample : IC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 18 11:46:26 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59239.D\data.ms

(76) 1-Chlorohexane

5.391min (+0.032) 158.81ug/L

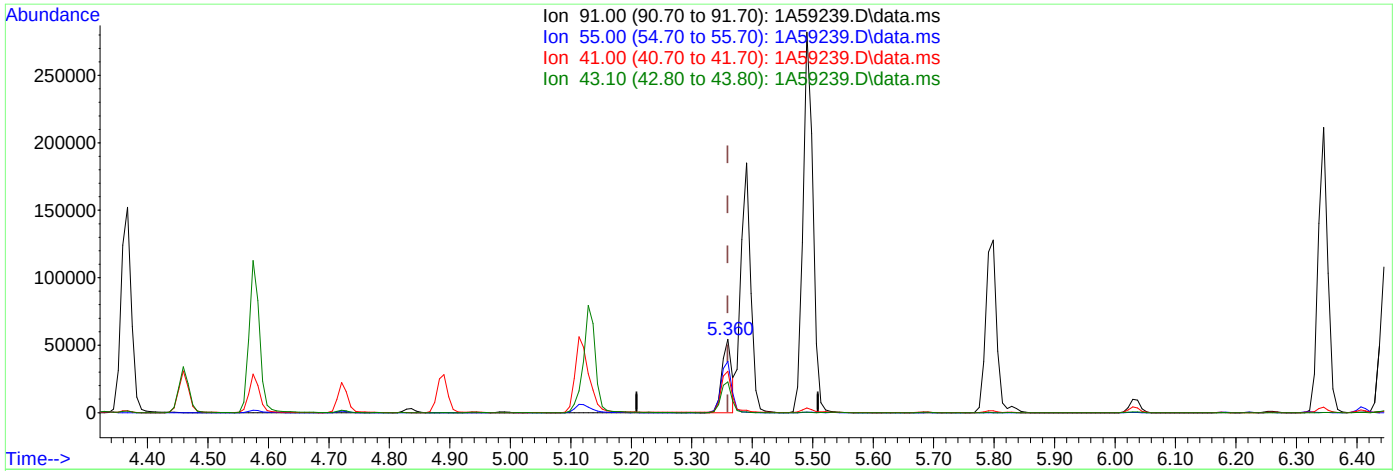
response 270413

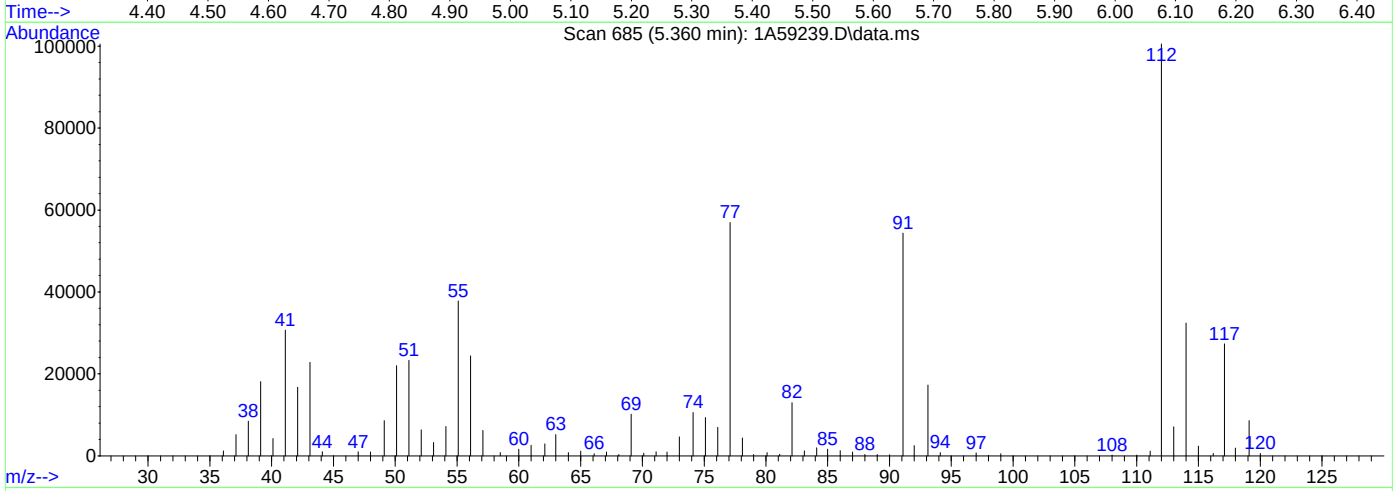
Ion	Exp%	Act%
91.00	100	100
55.00	77.50	0.18#
41.00	62.80	0.87#
43.10	51.70	0.22#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59239.D
Acq On : 18 Sep 2024 10:51 am
Operator : jeniferw
Sample : IC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 18 11:46:26 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59239.D\data.ms

(76) 1-Chlorohexane

5.360min (+0.001) 35.37ug/L m

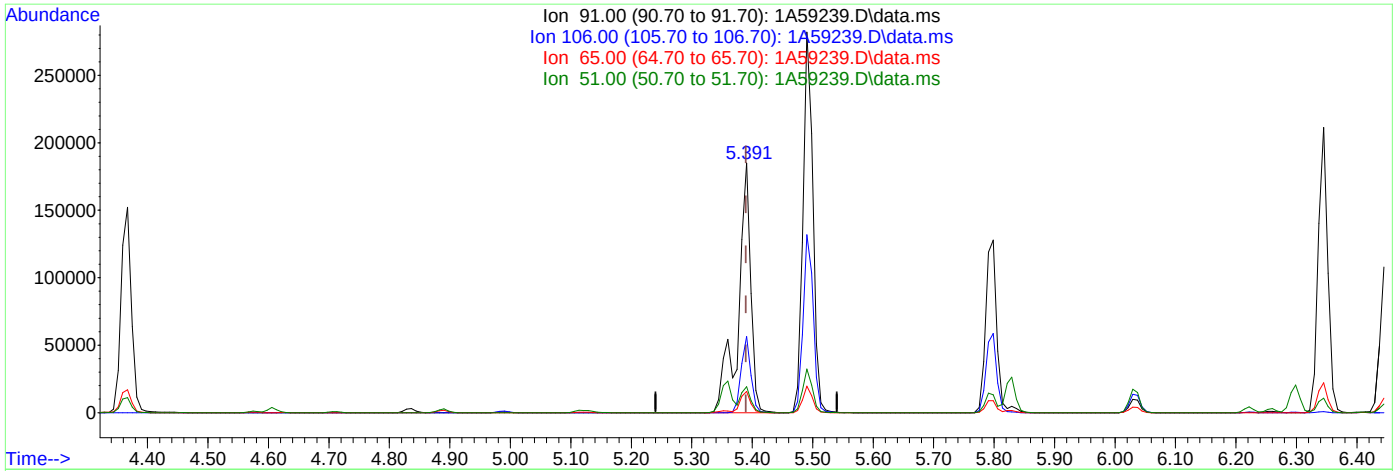
response 60219

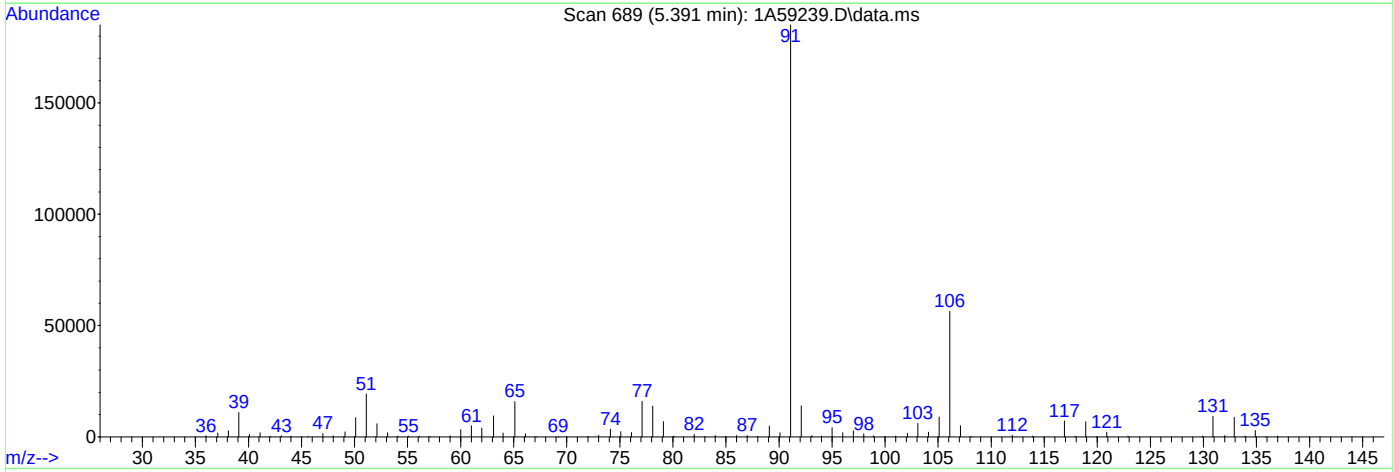
Ion	Exp%	Act%
91.00	100	100
55.00	77.50	69.57
41.00	62.80	56.42
43.10	51.70	42.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59239.D
Acq On : 18 Sep 2024 10:51 am
Operator : jeniferw
Sample : IC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 18 11:46:26 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59239.D\data.ms

(77) Ethylbenzene

5.391min (+0.001) 54.67ug/L

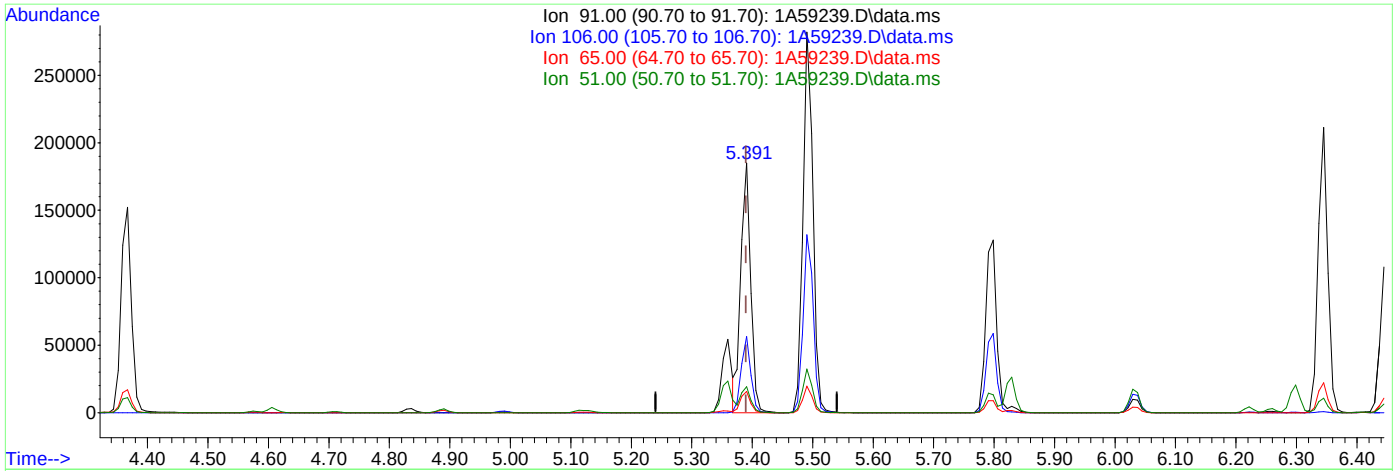
response 270413

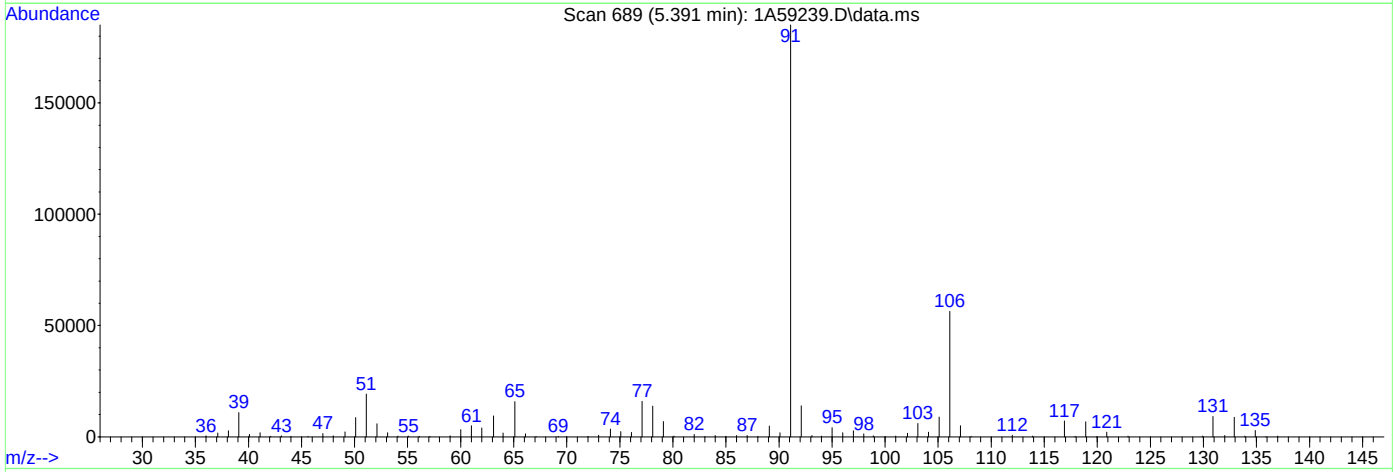
Ion	Exp%	Act%
91.00	100	100
106.00	29.70	30.44
65.00	9.20	8.52
51.00	10.90	10.34

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59239.D
Acq On : 18 Sep 2024 10:51 am
Operator : jeniferw
Sample : IC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 18 11:46:26 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59239.D\data.ms

(77) Ethylbenzene

5.391min (+0.001) 42.49ug/L m

response 210161

Ion	Exp%	Act%
91.00	100	100
106.00	29.70	30.44
65.00	9.20	8.52
51.00	10.90	10.34

1A59241.D

Manual Integrations APPROVED (compounds with "m" flag)

Karen Watson
09/18/24 15:09

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59241.D
Acq On : 18 Sep 2024 11:23 am
Operator : jeniferw
Sample : IC3047-6 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 18 12:18:50 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.397	96	222800	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.344	117	152093	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.084	152	79632	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	2.951	113	62675	48.91	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.82%			
49) 1,2-Dichloroethane-d4	3.228	65	71500	48.69	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 97.38%			
63) Toluene-d8	4.328	98	214500	51.03	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 102.06%			
86) 4-Bromofluorobenzene	6.222	174	67021	51.12	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.24%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.019	85	86313	56.67	ug/L	100
3) Chloromethane	1.127	50	76438	51.65	ug/L	97
4) 1,3-butadiene	1.180	39	74054	54.28	ug/L	94
5) Vinyl Chloride	1.165	62	86717	58.97	ug/L	97
6) Bromomethane	1.342	94	51251	85.44	ug/L	99
7) Chloroethane	1.411	64	55828	79.33	ug/L	98
8) Trichlorofluoromethane	1.488	101	135426	72.14	ug/L	100
9) Ethyl Ether	1.650	59	56008	61.88	ug/L	97
10) Ethanol	1.696	45	8971m	1310.95	ug/L	
11) 1,2-Dichlorotrifluoroe...	1.742	67	92981	66.53	ug/L	91
12) 1,1-Dichloroethene	1.758	61	112776	61.76	ug/L	89
13) Freon 113	1.781	101	75780	66.80	ug/L	98
14) Carbon Disulfide	1.781	76	222131	62.67	ug/L	98
15) Iodomethane	1.827	142	64110	69.30	ug/L	97
16) Acrolein	1.904	56	42571	279.96	ug/L	100
17) Allyl chloride	1.989	41	105354	56.42	ug/L	88
18) Methylene Chloride	2.042	49	96582	58.86	ug/L	87
19) Acetone	2.042	43	63086	282.39	ug/L	97
20) Methyl acetate	2.119	43	192106	293.45	ug/L	96
21) trans-1,2-Dichloroethene	2.135	61	110225	62.79	ug/L	87
22) Hexane	2.189	56	72545	61.89	ug/L	97
23) Methyl Tert Butyl Ether	2.189	73	181104	69.33	ug/L	78
24) Acetonitrile	2.266	41	49569	576.17	ug/L	98
25) Tert Butyl Alcohol	2.204	59	39403	641.88	ug/L	95
26) Di-isopropyl ether	2.389	45	240260	62.33	ug/L	96
27) Chloroprene	2.435	53	216106	60.38	ug/L	97
28) 1,1-Dichloroethane	2.435	63	143426	62.99	ug/L	99
29) Acrylonitrile	2.435	52	109815	297.81	ug/L	86
30) ETBE	2.573	59	227245	67.70	ug/L	98
31) Vinyl acetate	2.558	43	652806	303.34	ug/L	96
32) cis-1,2-Dichloroethene	2.712	96	83931	67.43	ug/L	96
33) 2,2-Dichloropropane	2.781	77	107871	65.50	ug/L	97
34) Bromochloromethane	2.820	128	43031	70.29	ug/L	92
35) Cyclohexane	2.858	56	141955	63.08	ug/L	95
36) Chloroform	2.858	83	149596	66.06	ug/L	98
37) Ethyl acetate	2.904	43	255253	311.00	ug/L	99
38) Tetrahydrofuran	2.943	42	13643	53.55	ug/L	92
40) Carbon Tetrachloride	2.958	117	114094m	68.95	ug/L	
41) 1,1,1-Trichloroethane	2.981	97	123693	66.60	ug/L	99
42) 2-Butanone	2.997	43	104450	281.34	ug/L	95
43) 1,1-Dichloropropene	3.051	75	97432	67.26	ug/L	98
44) tert-Butyl formate	3.089	59	199305	281.38	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59241.D
Acq On : 18 Sep 2024 11:23 am
Operator : jeniferw
Sample : IC3047-6 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 18 12:18:50 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Propionitrile	3.135	54	66929	595.84	ug/L		97
46) Methacrylonitrile	3.158	41	332395	586.78	ug/L		97
47) Benzene	3.174	78	316021	67.42	ug/L		99
48) TAME	3.243	73	183308	71.48	ug/L		93
50) 1,2-Dichloroethane	3.266	62	104400	63.59	ug/L		99
51) Isobutyl Alcohol	3.243	43	93468	1317.18	ug/L		95
52) Tert Amyl Alcohol	3.320	59	29094	707.12	ug/L		96
53) Trichloroethene	3.505	95	86645	66.85	ug/L		99
54) Methylcyclohexane	3.528	83	140897	70.94	ug/L		95
55) Dibromomethane	3.728	93	47978	69.12	ug/L		98
56) 1,2-Dichloropropane	3.789	63	82637	65.93	ug/L		98
57) Bromodichloromethane	3.820	83	108222	69.37	ug/L		96
58) Methyl methacrylate	3.913	41	44735	60.04	ug/L		92
59) 1,4-Dioxane	3.936	88	7724	1391.83	ug/L		91
60) 2-Chloroethyl vinyl ether	4.159	63	156253	330.06	ug/L		92
61) cis-1,3-Dichloropropene	4.205	75	124773	71.13	ug/L		98
64) Toluene	4.367	91	330570	70.99	ug/L		100
65) 2-Nitropropane	4.459	41	70517	363.05	ug/L		99
66) 4-Methyl-2-pentanone	4.575	43	247023	323.91	ug/L		97
67) trans-1,3-Dichloropropene	4.605	75	108065	75.43	ug/L		99
68) Tetrachloroethene	4.628	166	102002	86.24	ug/L		98
69) Ethyl methacrylate	4.721	69	71396	72.93	ug/L		92
70) 1,1,2-Trichloroethane	4.705	83	51822	74.33	ug/L		98
71) Dibromochloromethane	4.836	129	75765	79.87	ug/L		99
72) 1,3-Dichloropropane	4.890	76	103324	70.26	ug/L		94
73) 1,2-Dibromoethane	4.990	107	61095	75.57	ug/L		100
74) 3,3-Dimethyl-1-Butanol	5.113	57	241995	3360.56	ug/L		96
75) 2-hexanone	5.129	43	205462	312.54	ug/L		96
76) 1-Chlorohexane	5.360	91	130362m	73.60	ug/L		
77) Ethylbenzene	5.390	91	356843m	69.35	ug/L		
78) Chlorobenzene	5.360	112	210522	71.41	ug/L		97
79) 1,1,1,2-Tetrachloroethane	5.406	131	73479	77.49	ug/L		98
80) m,p-Xylene	5.490	91	590052	144.71	ug/L		99
81) o-Xylene	5.798	91	300141	73.95	ug/L		98
82) Styrene	5.829	104	223216	77.74	ug/L		98
83) Bromoform	5.829	173	41379	81.22	ug/L		96
84) Isopropylbenzene	6.037	105	349033	74.66	ug/L		99
87) cis-1,4-Dichloro-2-butene	6.260	53	17737	60.20	ug/L		95
88) n-Propylbenzene	6.345	91	426790	73.99	ug/L		98
89) Bromobenzene	6.299	156	86332	72.59	ug/L		96
90) 1,1,2,2-Tetrachloroethane	6.368	83	61553	69.55	ug/L		99
91) 1,3,5-Trimethylbenzene	6.499	105	279268	75.01	ug/L		99
92) 2-Chlorotoluene	6.445	91	235028	70.21	ug/L		98
93) trans-1,4-Dichloro-2-B...	6.499	53	24728	65.70	ug/L		94
94) 1,2,3-Trichloropropane	6.460	110	17734	75.03	ug/L		97
95) Cyclohexanone	6.476	55	6393	313.31	ug/L		92
96) 4-Chlorotoluene	6.576	91	245981	70.98	ug/L		98
97) tert-Butylbenzene	6.737	91	162513	71.12	ug/L		98
98) 1,2,4-Trimethylbenzene	6.791	105	266345	76.35	ug/L		97
99) Pentachloroethane	6.737	167	37617	63.64	ug/L	#	84
100) sec-Butylbenzene	6.883	105	348333	73.88	ug/L		99
101) 4-Isopropyltoluene	6.999	119	291067	76.53	ug/L		100
102) 1,3-Dichlorobenzene	7.030	146	152034	73.46	ug/L		98
103) 1,2,3-Trimethylbenzene	7.130	105	260970	72.74	ug/L		99
104) 1,4-Dichlorobenzene	7.099	146	149258	70.96	ug/L		97
105) n-Butylbenzene	7.330	92	134333	76.51	ug/L		99
106) Benzyl Chloride	7.284	126	19760	70.20	ug/L	#	86
107) 1,2-Dichlorobenzene	7.422	146	132745	73.04	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59241.D
Acq On : 18 Sep 2024 11:23 am
Operator : jeniferw
Sample : IC3047-6 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 18 12:18:50 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration

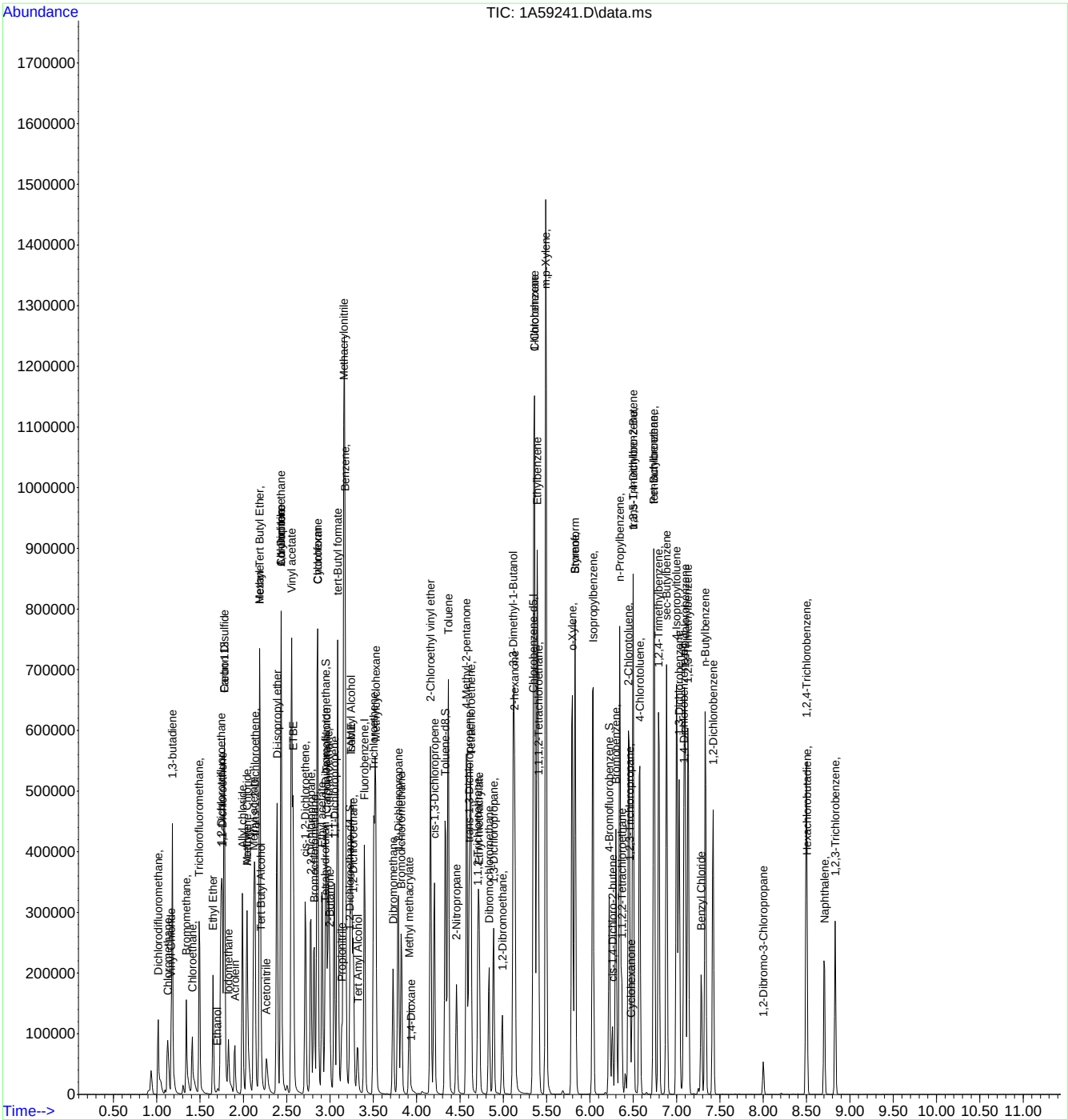
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) 1,2-Dibromo-3-Chloropr...	7.999	75	8076	66.99	ug/L	94
109) Hexachlorobutadiene	8.507	225	34961	70.08	ug/L	96
110) 1,2,4-Trichlorobenzene	8.500	180	67853	77.10	ug/L	99
111) Naphthalene	8.707	128	120781	69.89	ug/L	98
112) 1,2,3-Trichlorobenzene	8.831	180	52380	78.67	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59241.D
Acq On : 18 Sep 2024 11:23 am
Operator : jeniferw
Sample : IC3047-6 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
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Quant Time: Sep 18 12:18:50 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration



Manual Integration Approval Summary

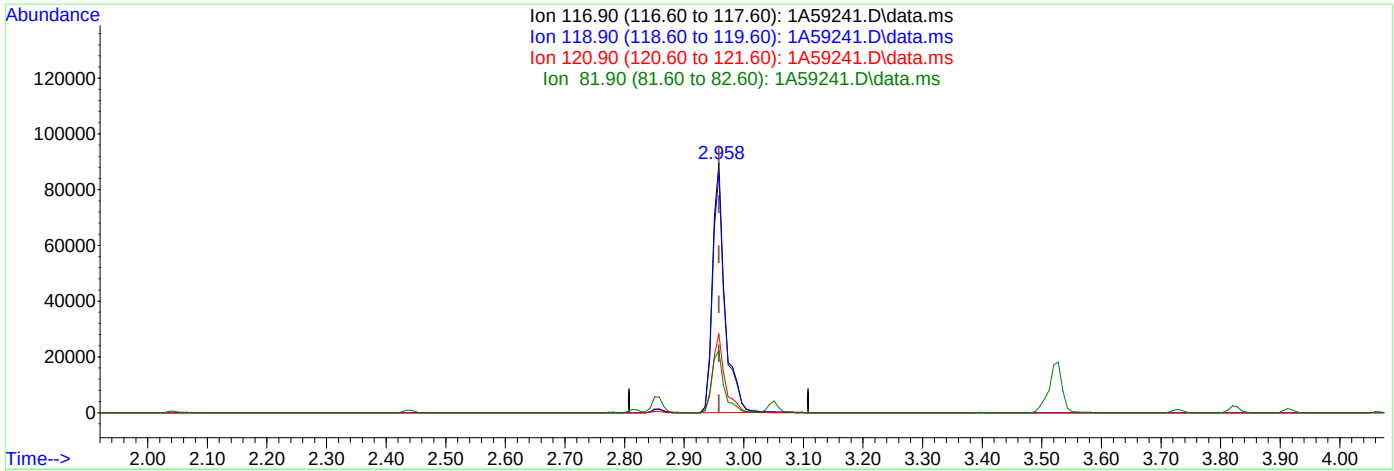
Sample Number: V1A3047-IC3047 **Method:** SW846 8260D
Lab FileID: 1A59241.D **Analyst approved:** 09/18/24 14:30 Jenifer Willis
Injection Time: 09/18/24 11:23 **Supervisor approved:** 09/18/24 15:09 Karen Watson

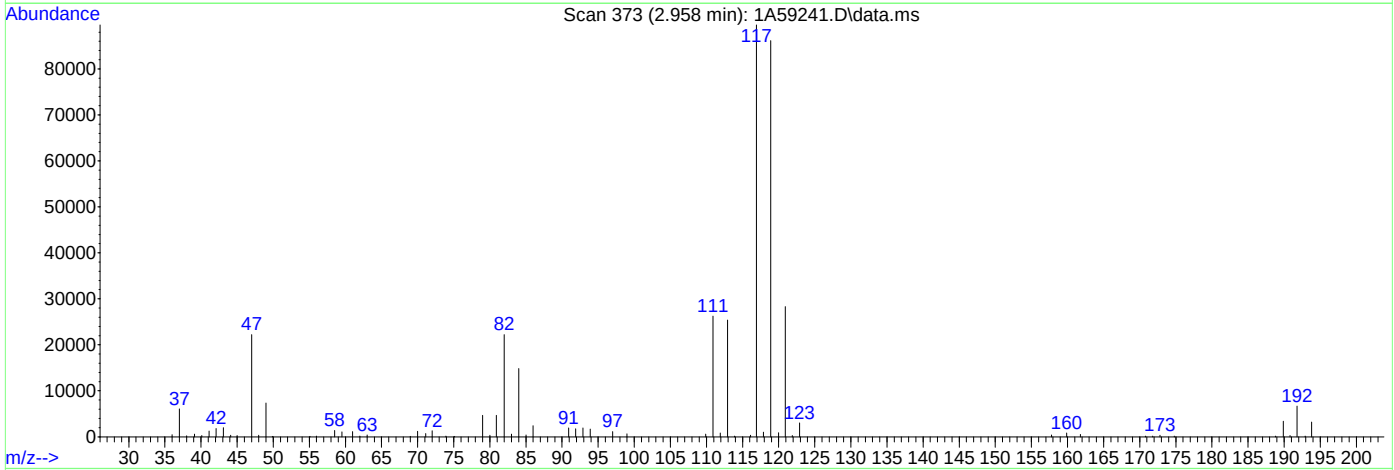
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		1.70	Poorly defined baseline
Carbon Tetrachloride	56-23-5		2.96	Overlapping peak
1-Chlorohexane	544-10-5		5.36	Overlapping peak
Ethylbenzene	100-41-4		5.39	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59241.D
Acq On : 18 Sep 2024 11:23 am
Operator : jeniferw
Sample : IC3047-6 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 18 11:46:28 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59241.D\data.ms

(40) Carbon Tetrachloride ( )

2.958min (+0.000) 78.23ug/L

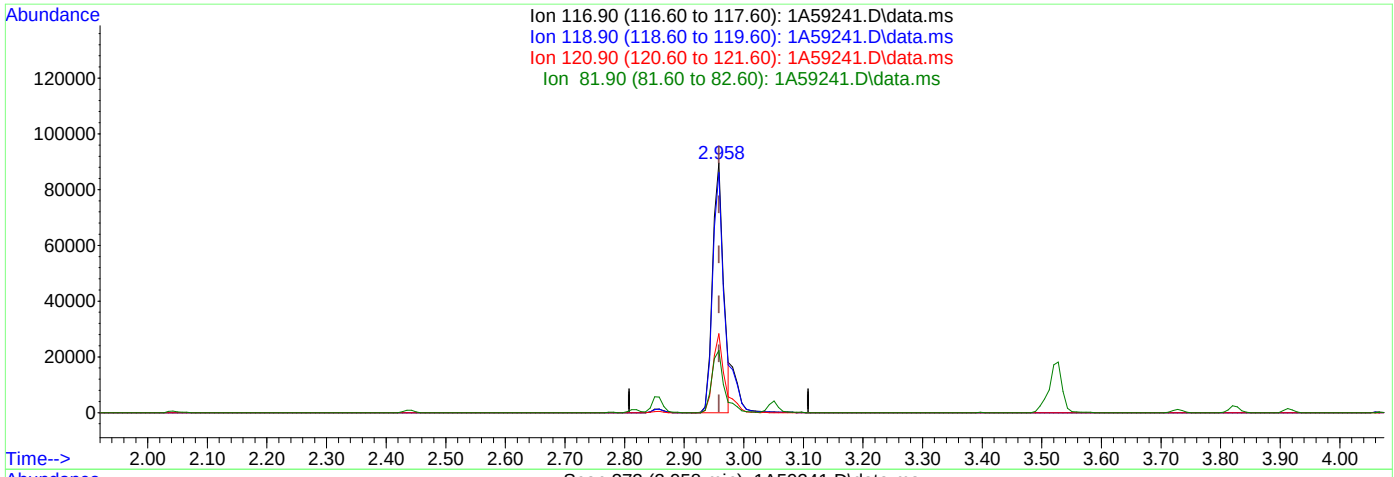
response 129456

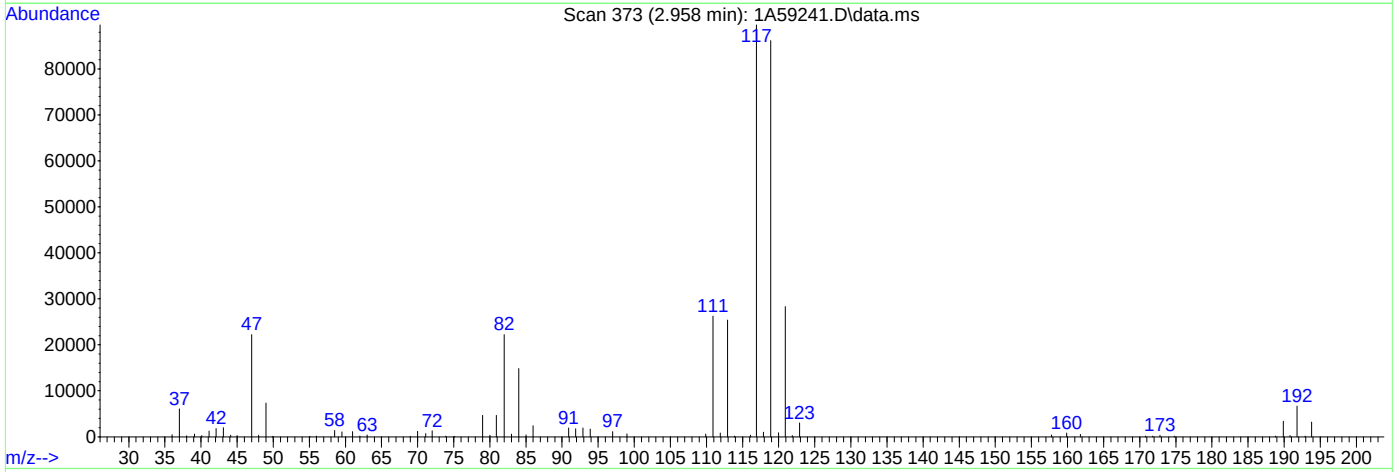
Ion	Exp%	Act%
116.90	100	100
118.90	96.70	96.15
120.90	32.00	31.59
81.90	24.70	24.82

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59241.D
Acq On : 18 Sep 2024 11:23 am
Operator : jeniferw
Sample : IC3047-6 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 18 11:46:28 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59241.D\data.ms

(40) Carbon Tetrachloride ( )

2.958min (+0.000) 68.95ug/L m

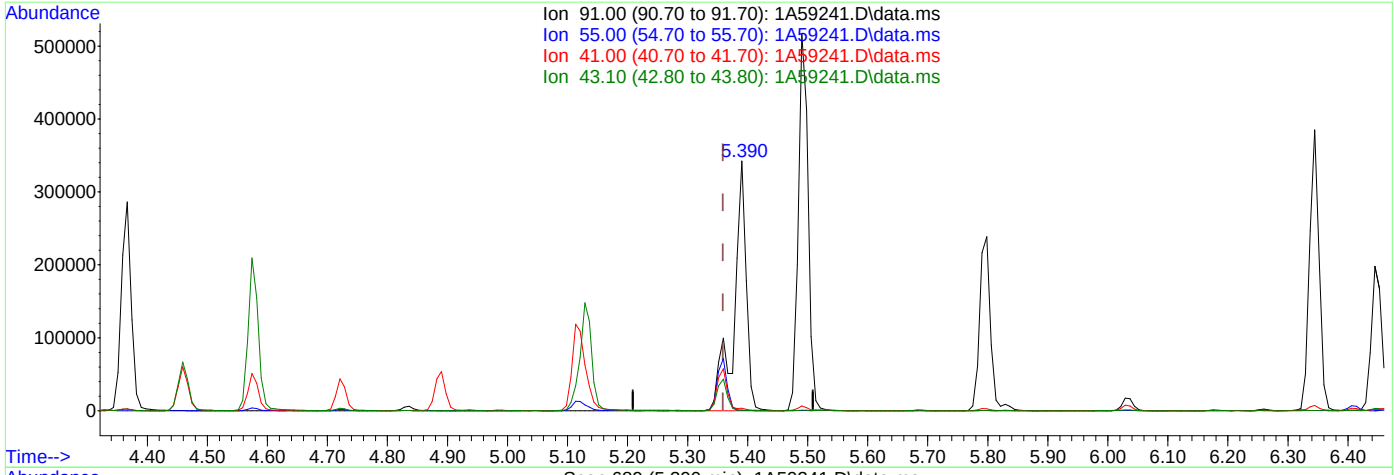
response 114094

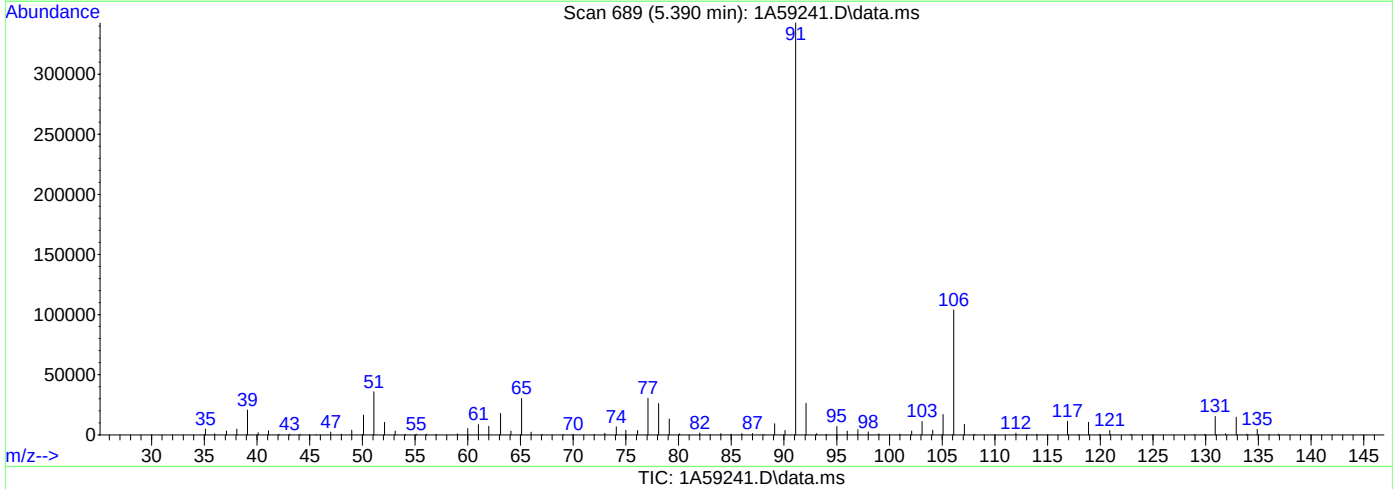
Ion	Exp%	Act%
116.90	100	100
118.90	96.70	96.15
120.90	32.00	31.59
81.90	24.70	24.82

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59241.D
Acq On : 18 Sep 2024 11:23 am
Operator : jeniferw
Sample : IC3047-6 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
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Quant Time: Sep 18 11:46:28 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59241.D\data.ms

(76) 1-Chlorohexane

5.390min (+0.031) 275.09ug/L

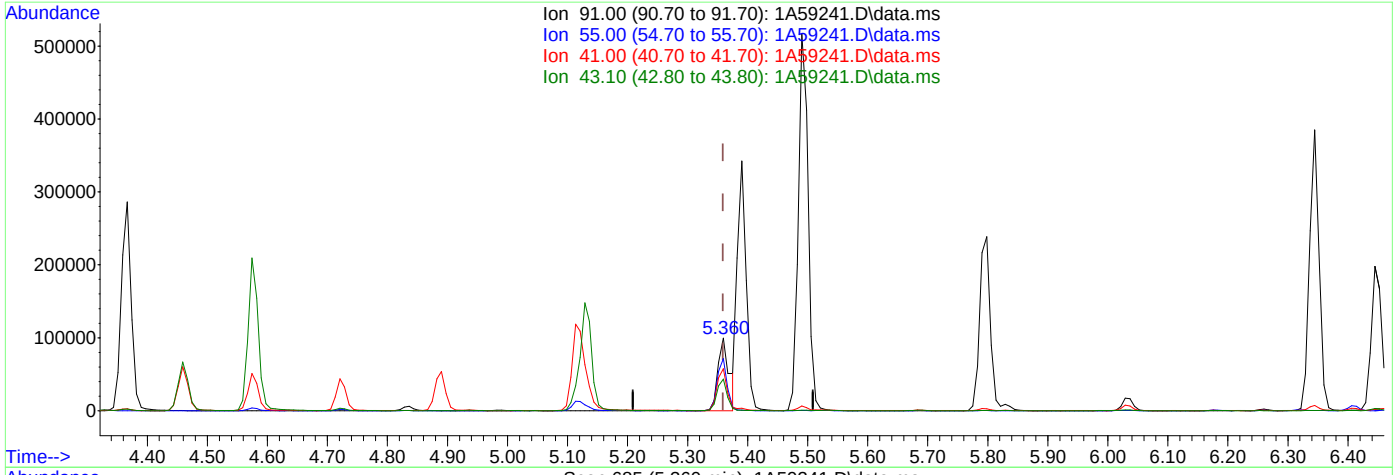
response 487252

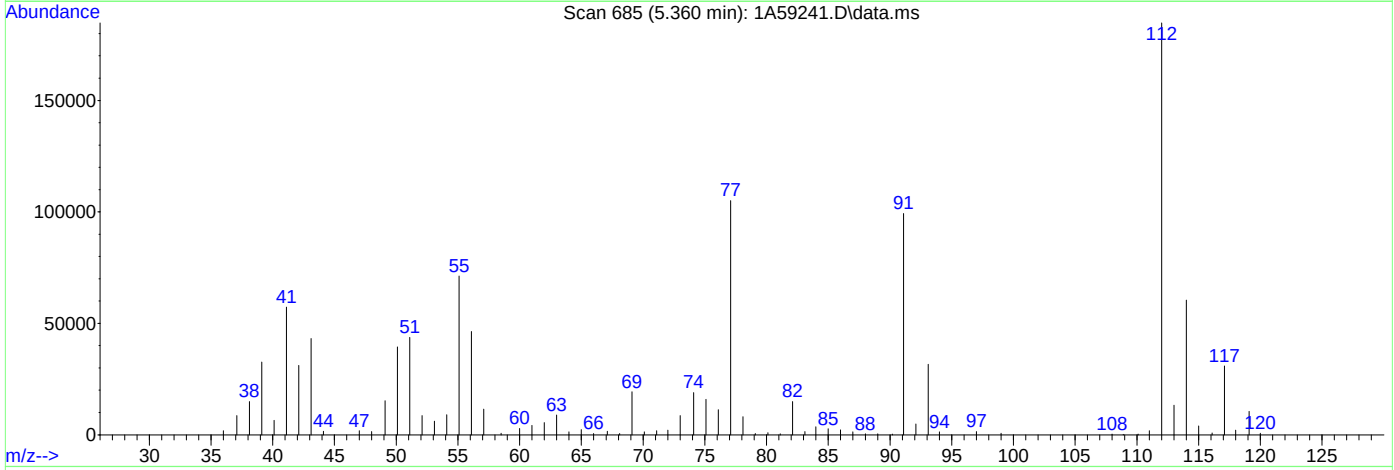
Ion	Exp%	Act%
91.00	100	100
55.00	77.50	0.18#
41.00	62.80	0.92#
43.10	51.70	0.18#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59241.D
Acq On : 18 Sep 2024 11:23 am
Operator : jeniferw
Sample : IC3047-6 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 18 11:46:28 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59241.D\data.ms

(76) 1-Chlorohexane

5.360min (+0.001) 73.60ug/L m

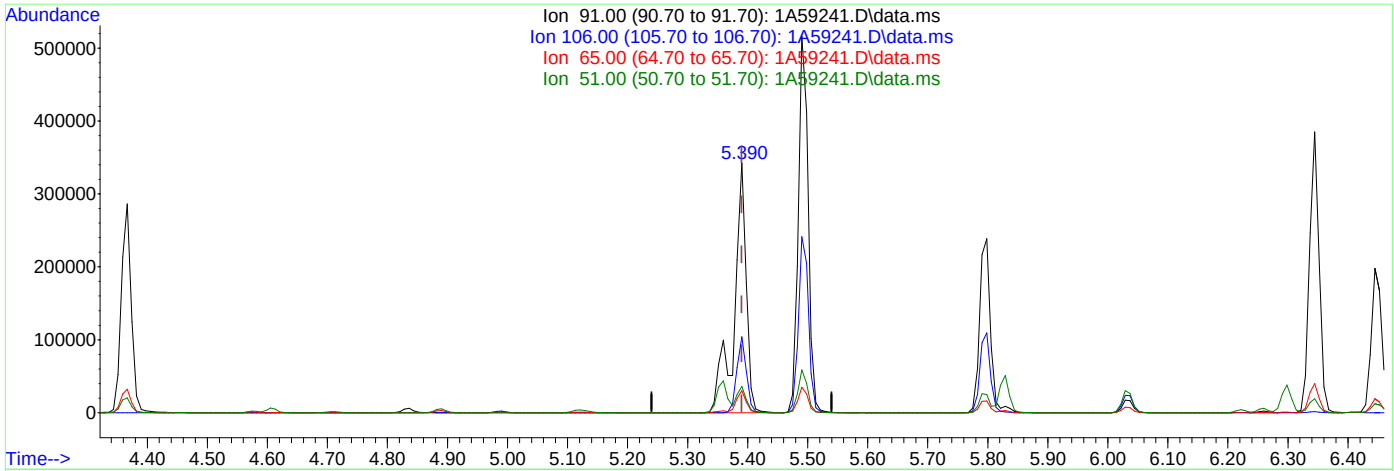
response 130362

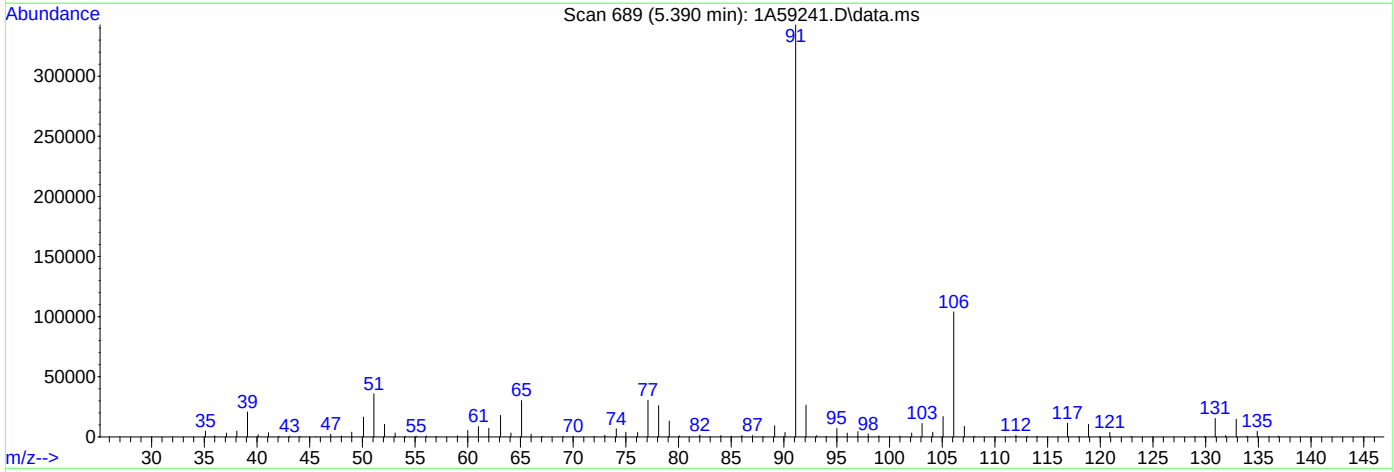
Ion	Exp%	Act%
91.00	100	100
55.00	77.50	71.75
41.00	62.80	57.78
43.10	51.70	43.53

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59241.D
Acq On : 18 Sep 2024 11:23 am
Operator : jeniferw
Sample : IC3047-6 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 18 11:46:28 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59241.D\data.ms

(77) Ethylbenzene

5.390min (+0.000) 94.70ug/L

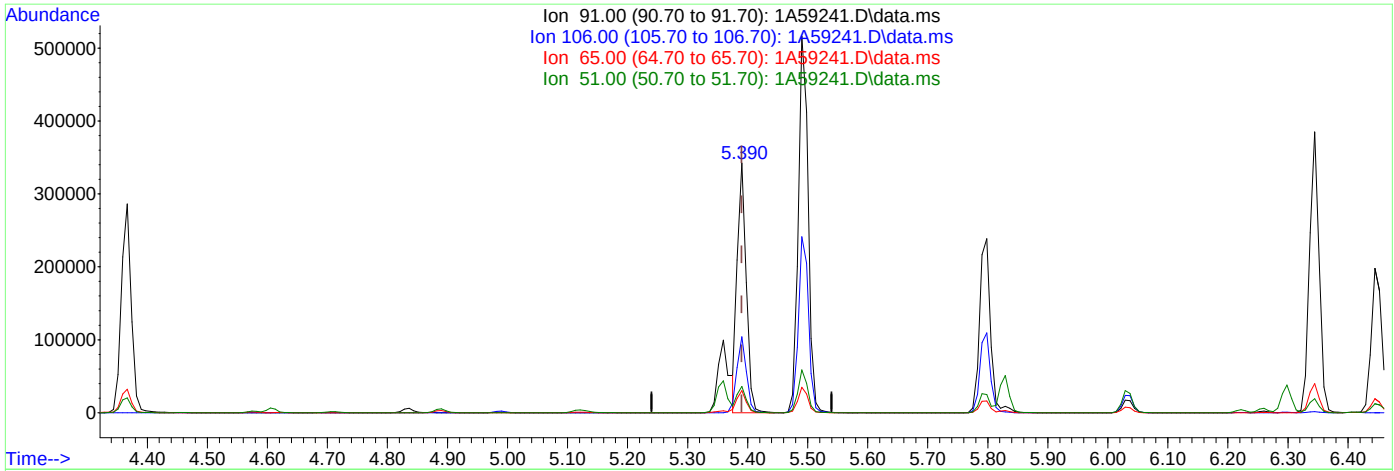
response 487252

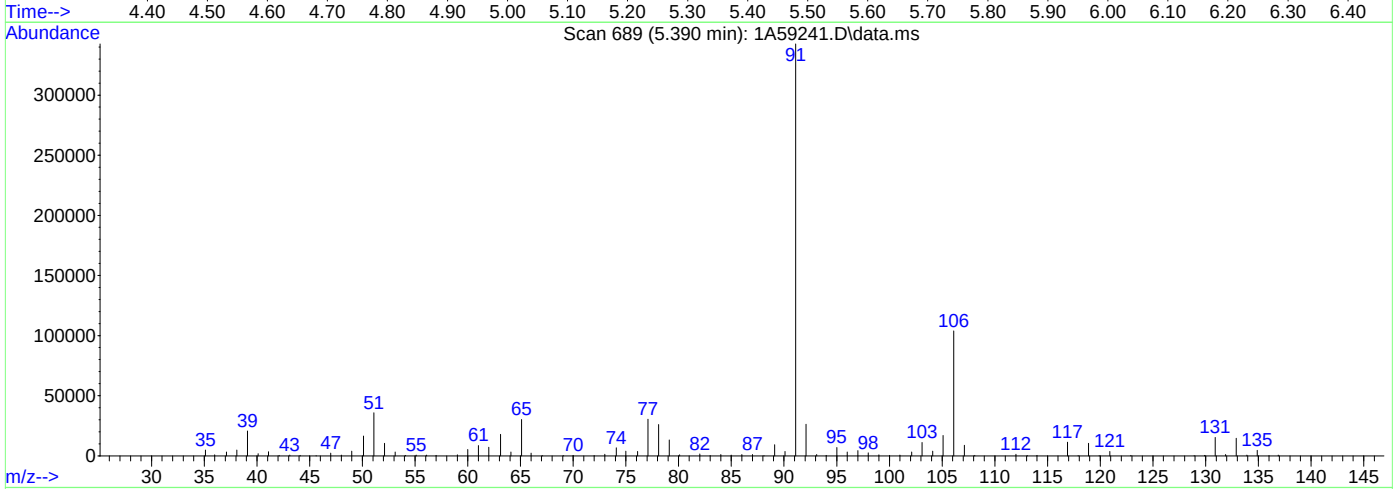
Ion	Exp%	Act%
91.00	100	100
106.00	29.70	30.33
65.00	9.20	8.83
51.00	10.90	10.45

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59241.D
Acq On : 18 Sep 2024 11:23 am
Operator : jeniferw
Sample : IC3047-6 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 18 11:46:28 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59241.D\data.ms

(77) Ethylbenzene

5.390min (+0.000) 69.35ug/L m

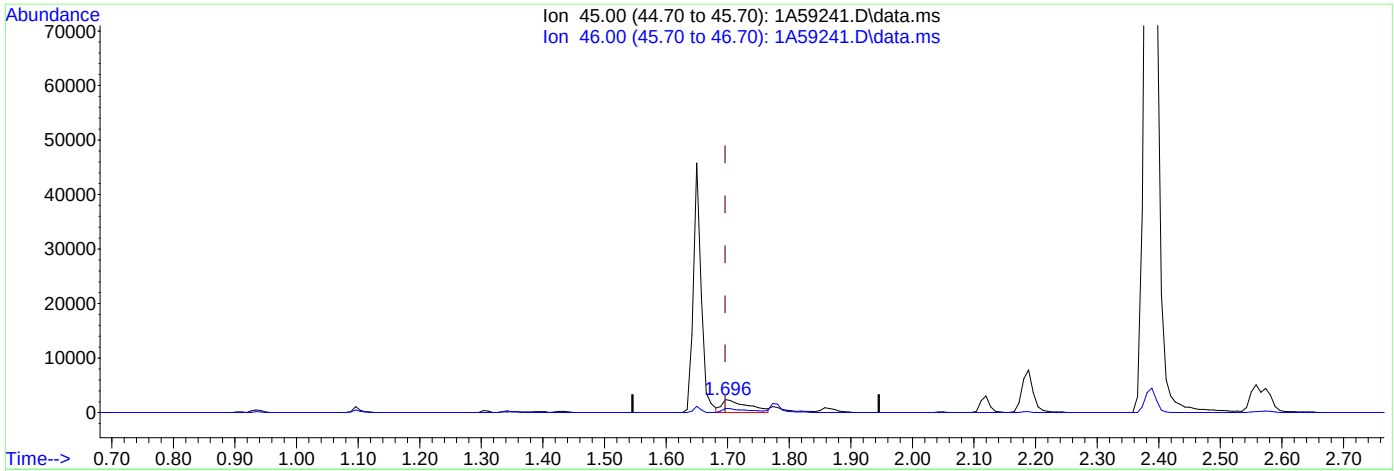
response 356843

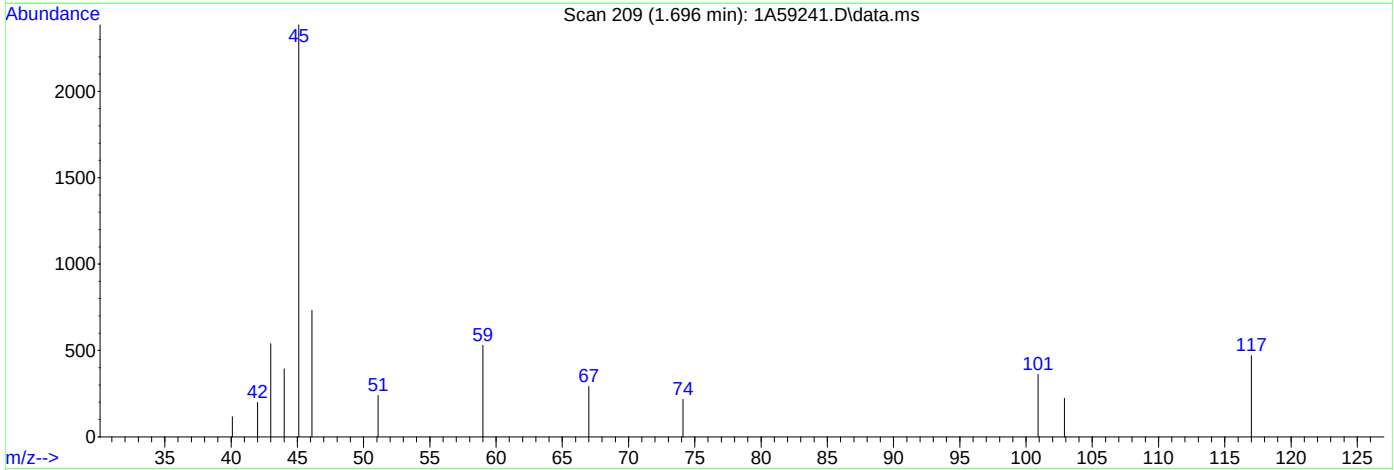
Ion	Exp%	Act%
91.00	100	100
106.00	29.70	30.33
65.00	9.20	8.83
51.00	10.90	10.45

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59241.D
Acq On : 18 Sep 2024 11:23 am
Operator : jeniferw
Sample : IC3047-6 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 18 12:14:00 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59241.D\data.ms

(10) Ethanol

1.696min (+0.000) 1030.67ug/L

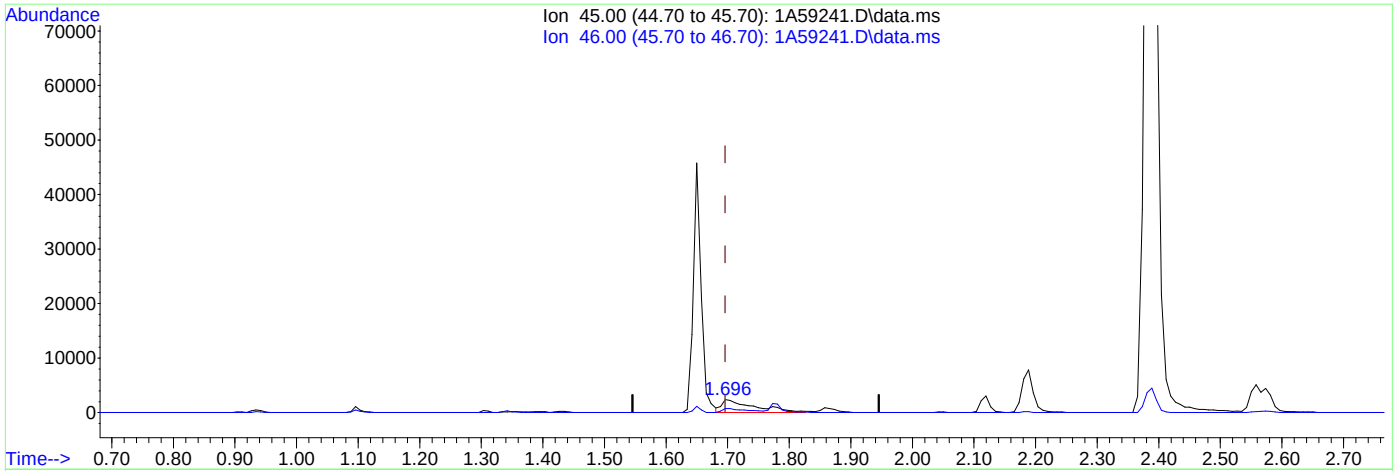
response 7053

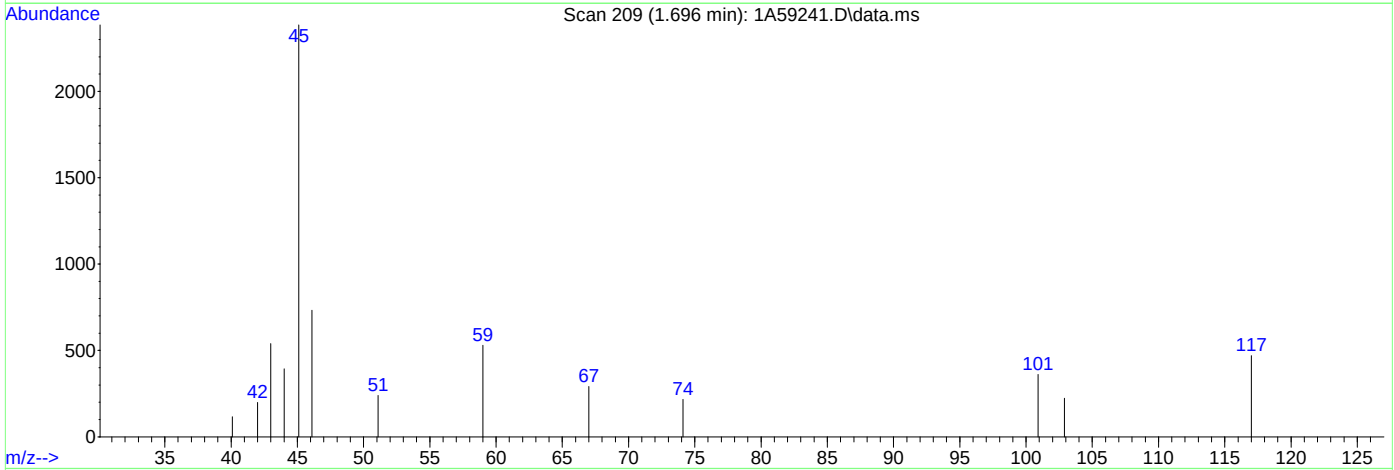
Ion	Exp%	Act%
45.00	100	100
46.00	34.40	42.99
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59241.D
Acq On : 18 Sep 2024 11:23 am
Operator : jeniferw
Sample : IC3047-6 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 18 12:14:00 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59241.D\data.ms

(10) Ethanol

1.696min (+0.000) 1310.95ug/L m

response 8971

Ion	Exp%	Act%
45.00	100	100
46.00	34.40	30.73
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/18/24 15:09

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59243.D
Acq On : 18 Sep 2024 11:55 am
Operator : jeniferw
Sample : IC3047-7 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 18 12:14:57 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.397	96	233137	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.344	117	157431	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.091	152	80589	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	2.951	113	65549	48.89	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.78%			
49) 1,2-Dichloroethane-d4	3.235	65	65975	42.93	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 85.86%			
63) Toluene-d8	4.328	98	221393	50.88	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 101.76%			
86) 4-Bromofluorobenzene	6.222	174	67071	50.55	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.10%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.019	85	123213	77.31	ug/L	100
3) Chloromethane	1.127	50	111937	72.28	ug/L	98
4) 1,3-butadiene	1.180	39	106545	74.63	ug/L	95
5) Vinyl Chloride	1.165	62	124975	81.22	ug/L	99
6) Bromomethane	1.342	94	74955	119.42	ug/L	99
7) Chloroethane	1.411	64	80970	124.78	ug/L	98
8) Trichlorofluoromethane	1.488	101	200942	102.29	ug/L	98
9) Ethyl Ether	1.650	59	82036	86.61	ug/L	97
10) Ethanol	1.704	45	12474m	1742.03	ug/L	
11) 1,2-Dichlorotrifluoroe...	1.742	67	134283	91.82	ug/L	91
12) 1,1-Dichloroethene	1.758	61	162923	85.27	ug/L	88
13) Freon 113	1.781	101	109249	92.03	ug/L	98
14) Carbon Disulfide	1.781	76	312460	84.24	ug/L	97
15) Iodomethane	1.827	142	98140	92.98	ug/L	99
16) Acrolein	1.904	56	61806	388.43	ug/L	98
17) Allyl chloride	1.989	41	158918	81.33	ug/L	91
18) Methylene Chloride	2.042	49	137831	80.27	ug/L	86
19) Acetone	2.042	43	93730	400.96	ug/L	97
20) Methyl acetate	2.119	43	289183	422.15	ug/L	96
21) trans-1,2-Dichloroethene	2.135	61	160421	87.33	ug/L	87
22) Hexane	2.189	56	99835	81.39	ug/L	97
23) Methyl Tert Butyl Ether	2.189	73	267857	97.99	ug/L	75
24) Acetonitrile	2.266	41	73507	816.53	ug/L	96
25) Tert Butyl Alcohol	2.204	59	59052	889.10	ug/L	99
26) Di-isopropyl ether	2.389	45	357158	88.55	ug/L	96
27) Chloroprene	2.435	53	320970	85.70	ug/L	97
28) 1,1-Dichloroethane	2.435	63	209826	88.06	ug/L	99
29) Acrylonitrile	2.435	52	165666	429.36	ug/L	90
30) ETBE	2.573	59	338848	96.47	ug/L	98
31) Vinyl acetate	2.558	43	965413	428.71	ug/L	97
32) cis-1,2-Dichloroethene	2.712	96	122366	93.94	ug/L	96
33) 2,2-Dichloropropane	2.781	77	158034	91.71	ug/L	97
34) Bromochloromethane	2.820	128	62734	97.93	ug/L	93
35) Cyclohexane	2.858	56	205152	87.12	ug/L	94
36) Chloroform	2.858	83	219538	92.65	ug/L	99
37) Ethyl acetate	2.912	43	385195	448.51	ug/L	97
38) Tetrahydrofuran	2.943	42	20273	76.04	ug/L	93
40) Carbon Tetrachloride	2.958	117	164760m	95.15	ug/L	
41) 1,1,1-Trichloroethane	2.981	97	182887	94.10	ug/L	99
42) 2-Butanone	2.997	43	158517	408.04	ug/L	94
43) 1,1-Dichloropropene	3.051	75	140773	92.88	ug/L	98
44) tert-Butyl formate	3.089	59	309598	391.08	ug/L	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59243.D
Acq On : 18 Sep 2024 11:55 am
Operator : jeniferw
Sample : IC3047-7 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 18 12:14:57 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45)	Propionitrile	3.135	54	99938	850.26	ug/L		98
46)	Methacrylonitrile	3.166	41	512183	864.07	ug/L		91
47)	Benzene	3.174	78	460513	93.89	ug/L		96
48)	TAME	3.243	73	273341	101.87	ug/L		93
50)	1,2-Dichloroethane	3.266	62	151829	88.38	ug/L		99
51)	Isobutyl Alcohol	3.243	43	139764	1882.27	ug/L		96
52)	Tert Amyl Alcohol	3.320	59	44086	1023.99	ug/L		96
53)	Trichloroethene	3.505	95	126028	92.92	ug/L		99
54)	Methylcyclohexane	3.520	83	200188	96.32	ug/L		97
55)	Dibromomethane	3.728	93	69605	95.83	ug/L		99
56)	1,2-Dichloropropane	3.789	63	121367	92.54	ug/L		99
57)	Bromodichloromethane	3.820	83	158923	97.35	ug/L		97
58)	Methyl methacrylate	3.913	41	70692	90.67	ug/L		93
59)	1,4-Dioxane	3.936	88	11302	1946.27	ug/L		95
60)	2-Chloroethyl vinyl ether	4.159	63	241848	488.22	ug/L		92
61)	cis-1,3-Dichloropropene	4.205	75	184026	100.25	ug/L		98
64)	Toluene	4.367	91	479804	99.55	ug/L		99
65)	2-Nitropropane	4.459	41	108339	501.86	ug/L		99
66)	4-Methyl-2-pentanone	4.574	43	380449	481.94	ug/L		97
67)	trans-1,3-Dichloropropene	4.605	75	160097	107.95	ug/L		99
68)	Tetrachloroethene	4.628	166	155197	126.76	ug/L		99
69)	Ethyl methacrylate	4.721	69	109766	108.32	ug/L		93
70)	1,1,2-Trichloroethane	4.713	83	75819	105.06	ug/L		90
71)	Dibromochloromethane	4.836	129	110936	112.98	ug/L		100
72)	1,3-Dichloropropane	4.890	76	151256	99.36	ug/L		94
73)	1,2-Dibromoethane	4.990	107	88695	105.99	ug/L		100
74)	3,3-Dimethyl-1-Butanol	5.121	57	373905	4527.53	ug/L		96
75)	2-hexanone	5.129	43	312052	438.95	ug/L		90
76)	1-Chlorohexane	5.360	91	185656m	101.26	ug/L		
77)	Ethylbenzene	5.390	91	519050m	97.46	ug/L		
78)	Chlorobenzene	5.360	112	305106	99.99	ug/L		97
79)	1,1,1,2-Tetrachloroethane	5.406	131	109612	111.67	ug/L		97
80)	m,p-Xylene	5.490	91	859044	203.54	ug/L		100
81)	o-Xylene	5.798	91	435345	103.62	ug/L		99
82)	Styrene	5.829	104	322609	108.54	ug/L		97
83)	Bromoform	5.837	173	62208	117.96	ug/L		98
84)	Isopropylbenzene	6.037	105	499500	103.22	ug/L		99
87)	cis-1,4-Dichloro-2-butene	6.260	53	27826	93.32	ug/L	#	85
88)	n-Propylbenzene	6.345	91	609415	104.40	ug/L		99
89)	Bromobenzene	6.298	156	124302	103.28	ug/L		96
90)	1,1,2,2-Tetrachloroethane	6.368	83	88713	99.04	ug/L		99
91)	1,3,5-Trimethylbenzene	6.499	105	401284	106.50	ug/L		100
92)	2-Chlorotoluene	6.445	91	336910	99.45	ug/L		98
93)	trans-1,4-Dichloro-2-B...	6.499	53	35589	93.43	ug/L		95
94)	1,2,3-Trichloropropane	6.460	110	25440	106.35	ug/L		97
95)	Cyclohexanone	6.476	55	9800	474.58	ug/L		94
96)	4-Chlorotoluene	6.576	91	354790	101.16	ug/L		98
97)	tert-Butylbenzene	6.737	91	232909	100.72	ug/L		97
98)	1,2,4-Trimethylbenzene	6.791	105	383171	108.53	ug/L		97
99)	Pentachloroethane	6.737	167	53600	89.60	ug/L	#	84
100)	sec-Butylbenzene	6.883	105	496258	104.00	ug/L		99
101)	4-Isopropyltoluene	6.999	119	415291	107.90	ug/L		99
102)	1,3-Dichlorobenzene	7.030	146	216238	103.24	ug/L		99
103)	1,2,3-Trimethylbenzene	7.130	105	377478	103.97	ug/L		99
104)	1,4-Dichlorobenzene	7.099	146	212559	99.85	ug/L		98
105)	n-Butylbenzene	7.330	92	191937	108.02	ug/L		100
106)	Benzyl Chloride	7.284	126	29515	95.26	ug/L	#	80
107)	1,2-Dichlorobenzene	7.422	146	189820	103.21	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59243.D
Acq On : 18 Sep 2024 11:55 am
Operator : jeniferw
Sample : IC3047-7 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 18 12:14:57 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) 1,2-Dibromo-3-Chloropr...	7.999	75	11885	97.41	ug/L	84
109) Hexachlorobutadiene	8.507	225	48238	95.54	ug/L	97
110) 1,2,4-Trichlorobenzene	8.500	180	97565	109.54	ug/L	99
111) Naphthalene	8.707	128	180058	93.82	ug/L	99
112) 1,2,3-Trichlorobenzene	8.831	180	75855	112.57	ug/L	98

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

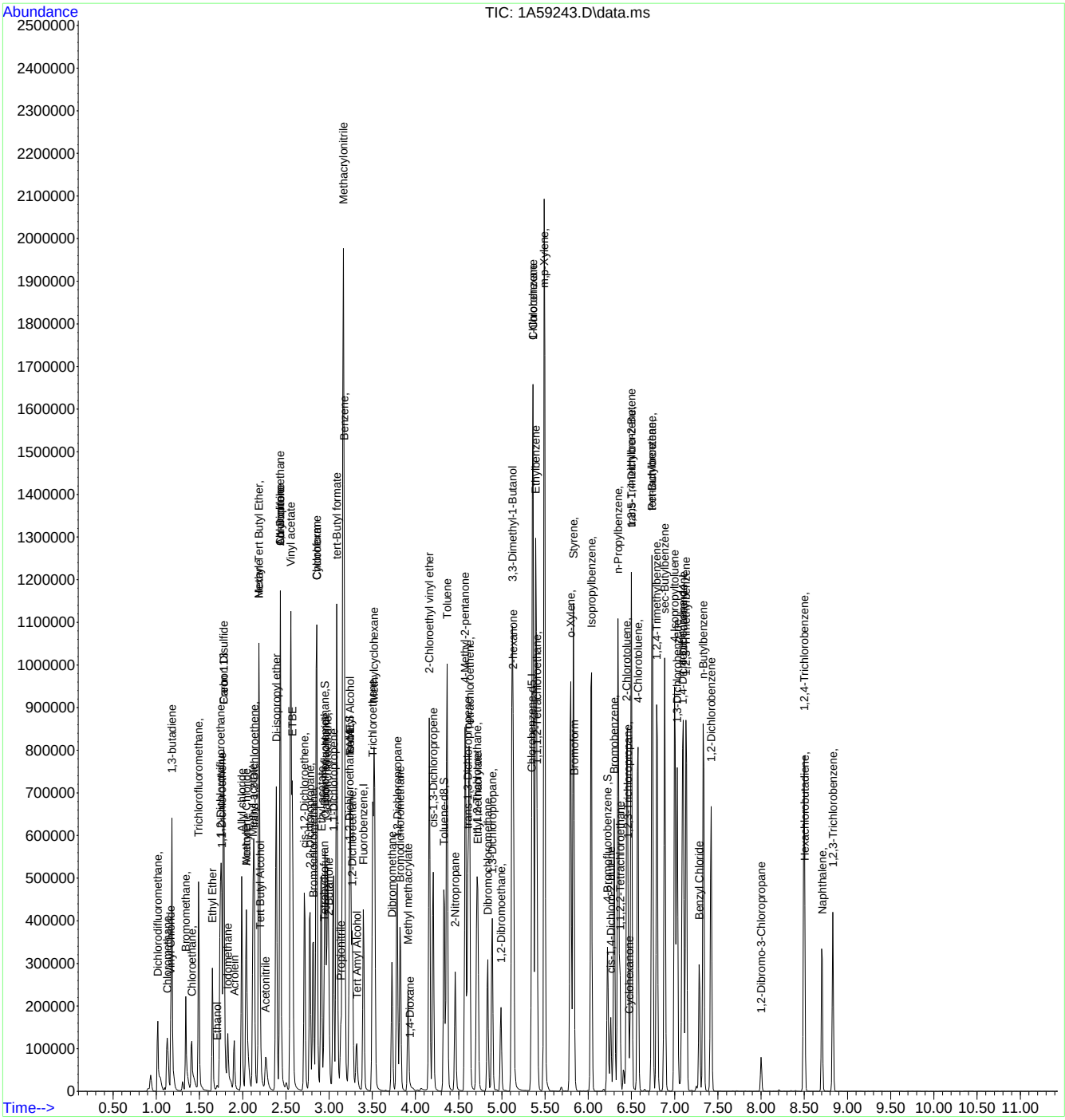
7.6.8

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59243.D
Acq On : 18 Sep 2024 11:55 am
Operator : jeniferw
Sample : IC3047-7 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 18 12:14:57 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration



Manual Integration Approval Summary

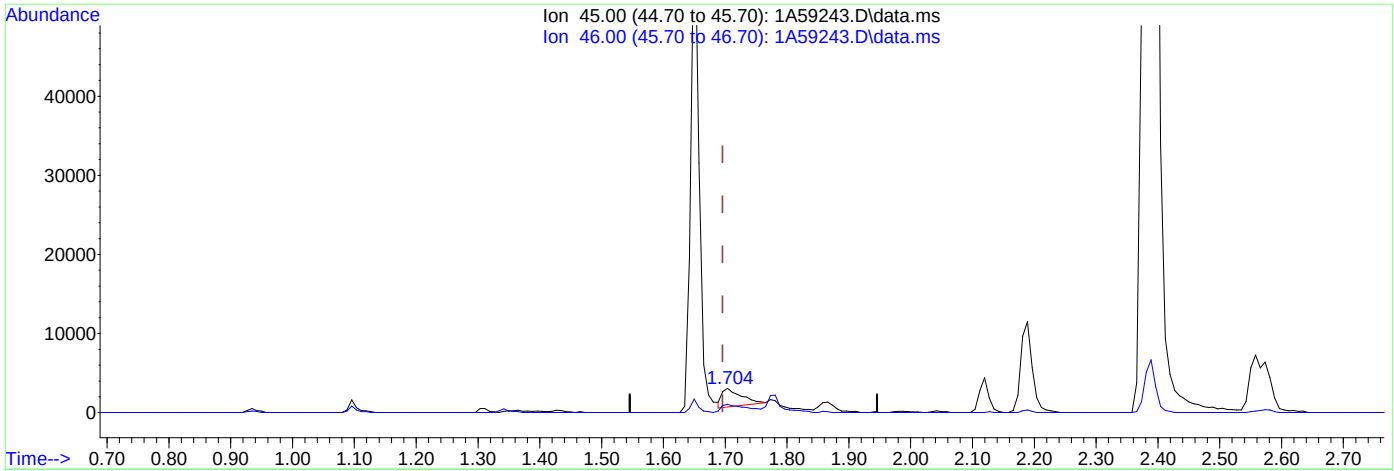
Sample Number: V1A3047-IC3047
Lab FileID: 1A59243.D
Injection Time: 09/18/24 11:55
Method: SW846 8260D
Analyst approved: 09/18/24 14:30 Jenifer Willis
Supervisor approved: 09/18/24 15:09 Karen Watson

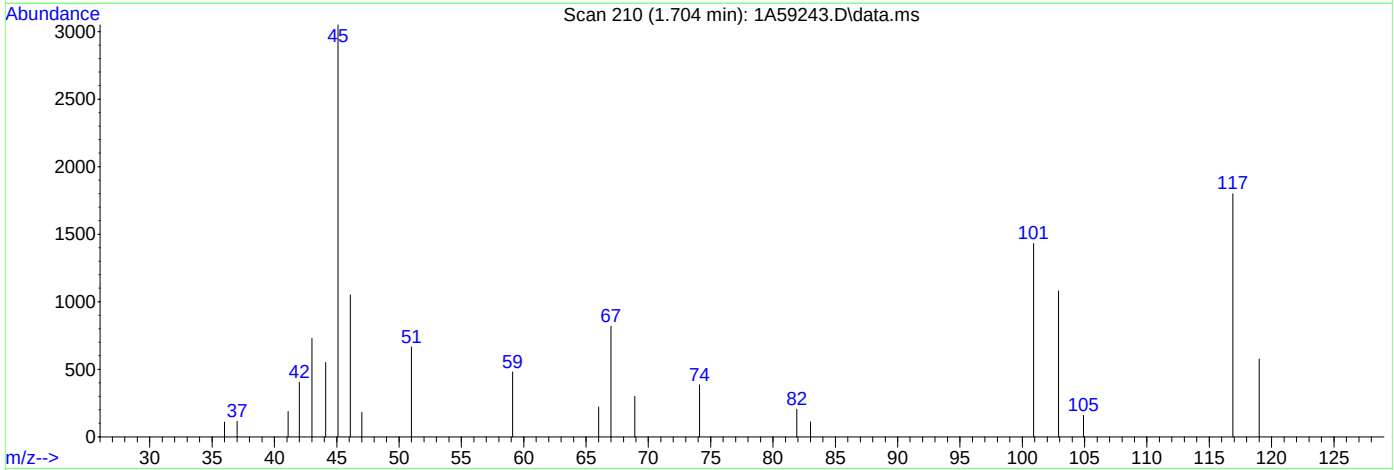
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		1.70	Poorly defined baseline
Carbon Tetrachloride	56-23-5		2.96	Overlapping peak
1-Chlorohexane	544-10-5		5.36	Overlapping peak
Ethylbenzene	100-41-4		5.39	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59243.D
Acq On : 18 Sep 2024 11:55 am
Operator : jeniferw
Sample : IC3047-7 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 18 12:14:09 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59243.D\data.ms

(10) Ethanol

1.704min (+0.008) 713.49ug/L

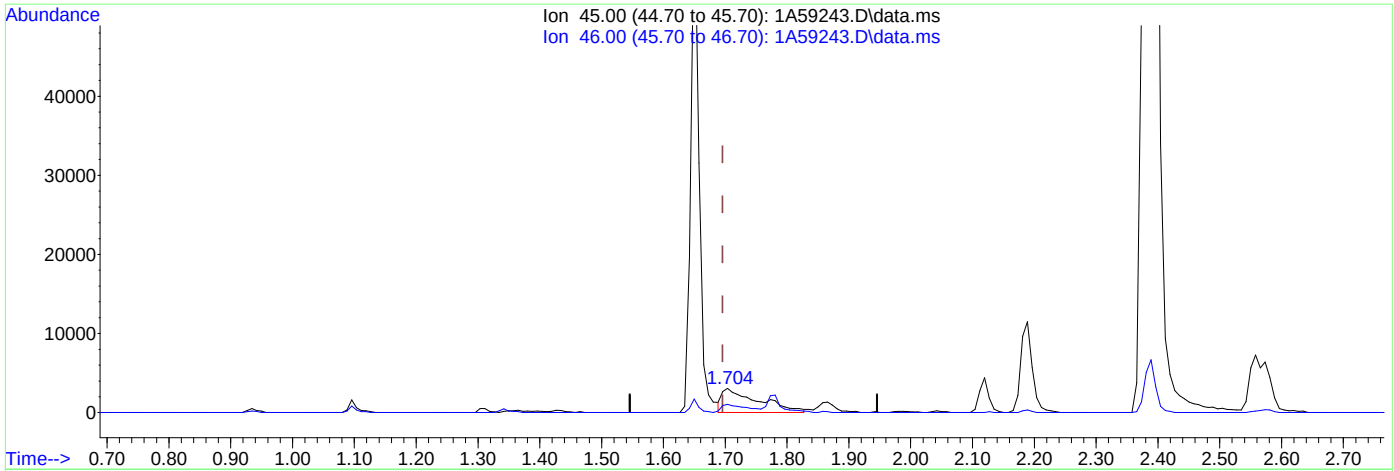
response 5109

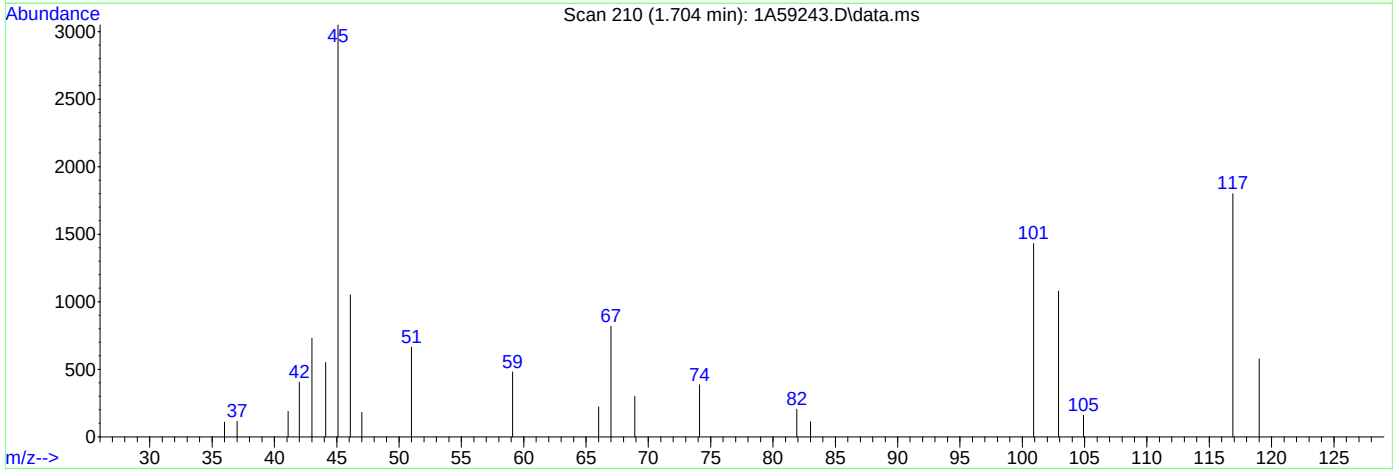
Ion	Exp%	Act%
45.00	100	100
46.00	34.40	46.94
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59243.D
Acq On : 18 Sep 2024 11:55 am
Operator : jeniferw
Sample : IC3047-7 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 18 12:14:09 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59243.D\data.ms

(10) Ethanol

1.704min (+0.008) 1742.03ug/L m

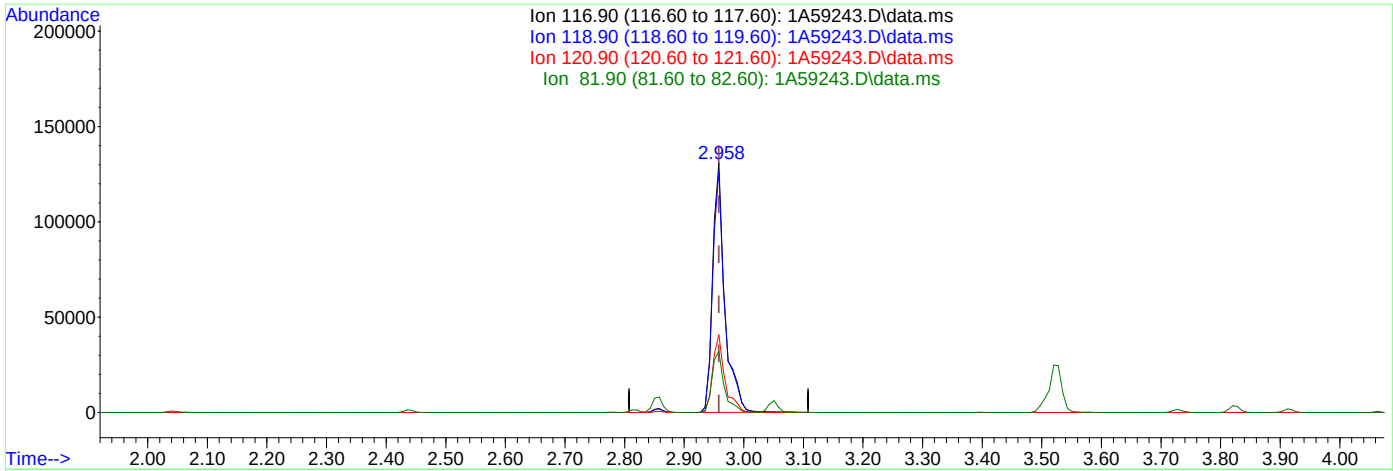
response 12474

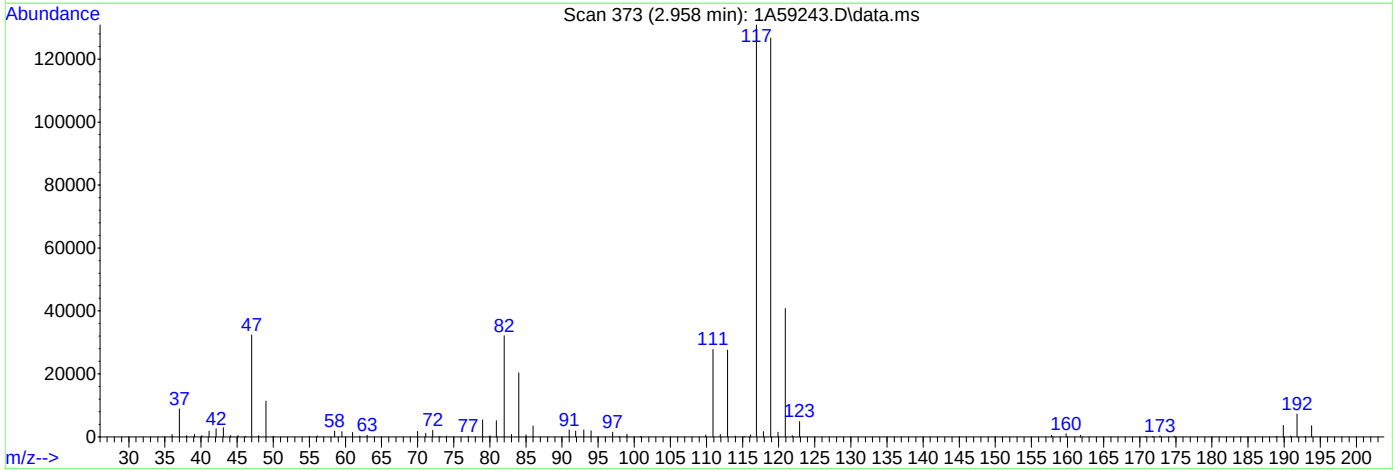
Ion	Exp%	Act%
45.00	100	100
46.00	34.40	34.46
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59243.D
Acq On : 18 Sep 2024 11:55 am
Operator : jeniferw
Sample : IC3047-7 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 18 12:14:09 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59243.D\data.ms

(40) Carbon Tetrachloride ( )

2.958min (+0.000) 107.77ug/L

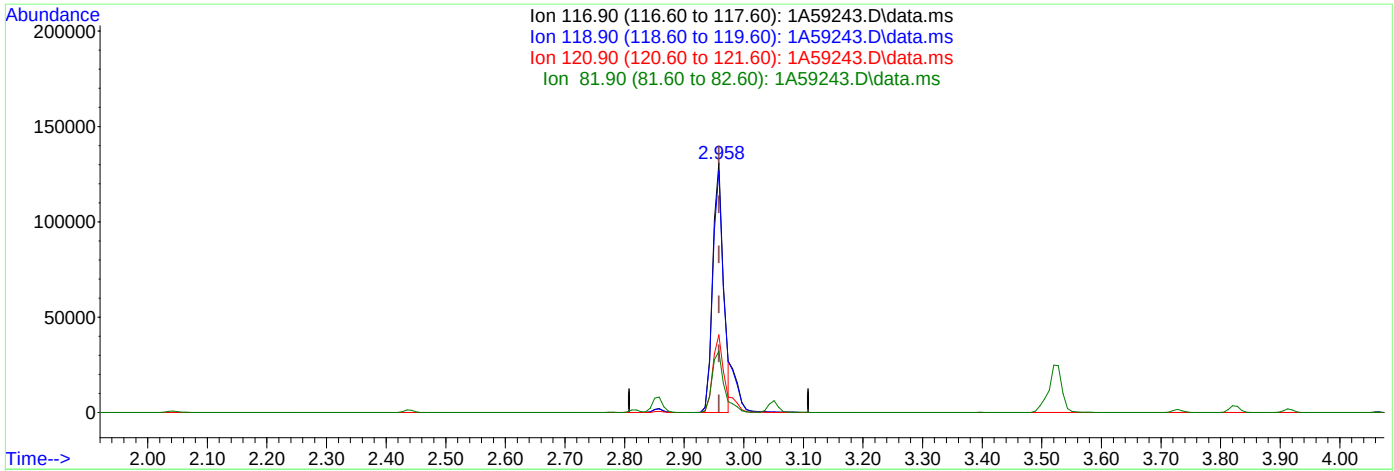
response 186619

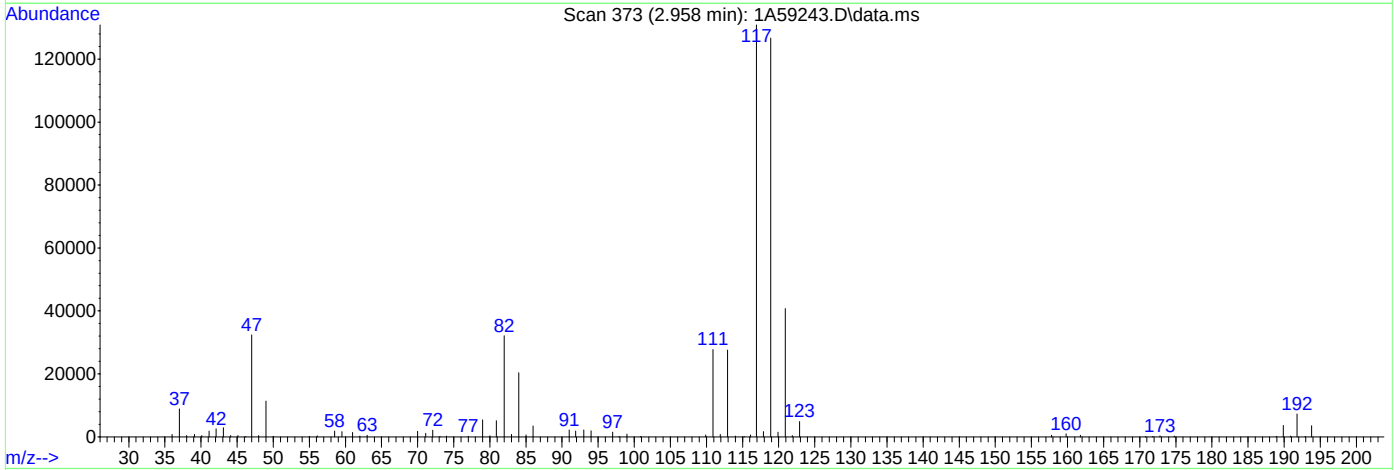
Ion	Exp%	Act%
116.90	100	100
118.90	96.70	96.79
120.90	32.00	31.13
81.90	24.70	24.54

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59243.D
Acq On : 18 Sep 2024 11:55 am
Operator : jeniferw
Sample : IC3047-7 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 18 12:14:09 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59243.D\data.ms

(40) Carbon Tetrachloride ( )

2.958min (+0.000) 95.15ug/L m

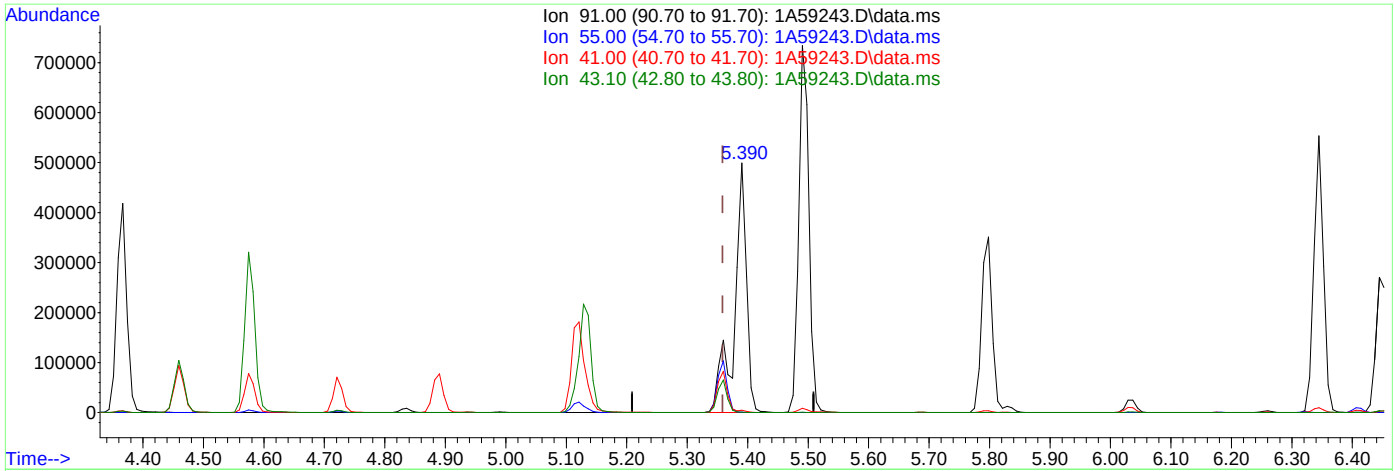
response 164760

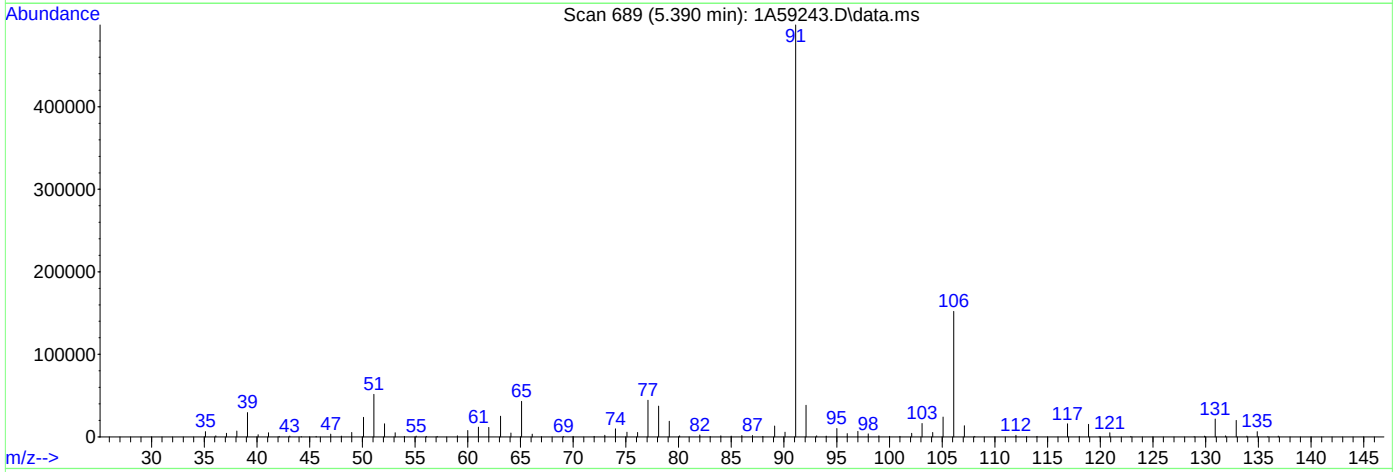
Ion	Exp%	Act%
116.90	100	100
118.90	96.70	96.79
120.90	32.00	31.13
81.90	24.70	24.54

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59243.D
Acq On : 18 Sep 2024 11:55 am
Operator : jeniferw
Sample : IC3047-7 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 18 12:14:09 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59243.D\data.ms

(76) 1-Chlorohexane

5.390min (+0.031) 384.14ug/L

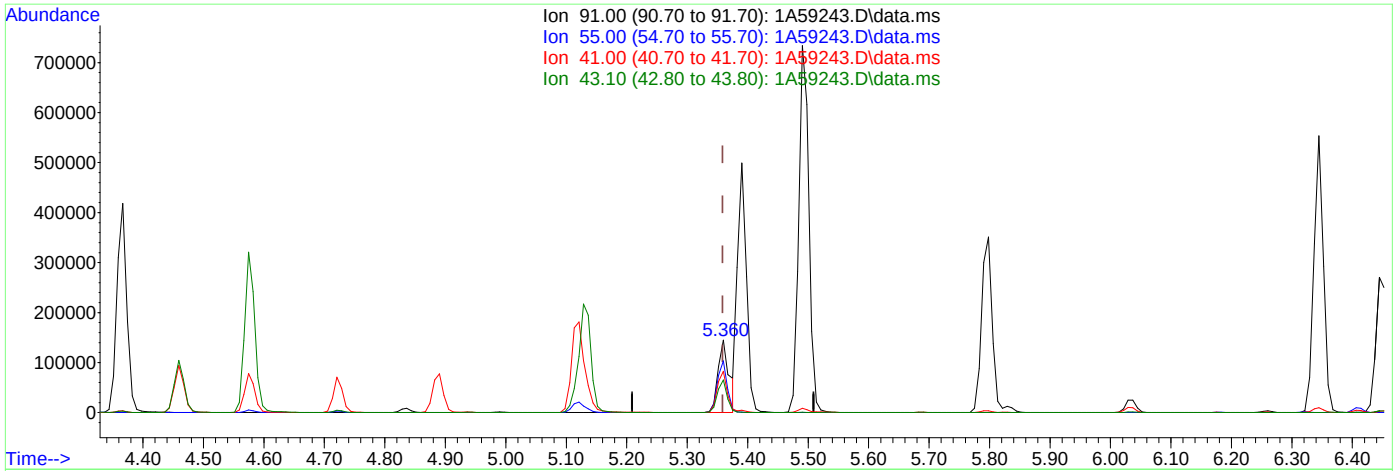
response 704267

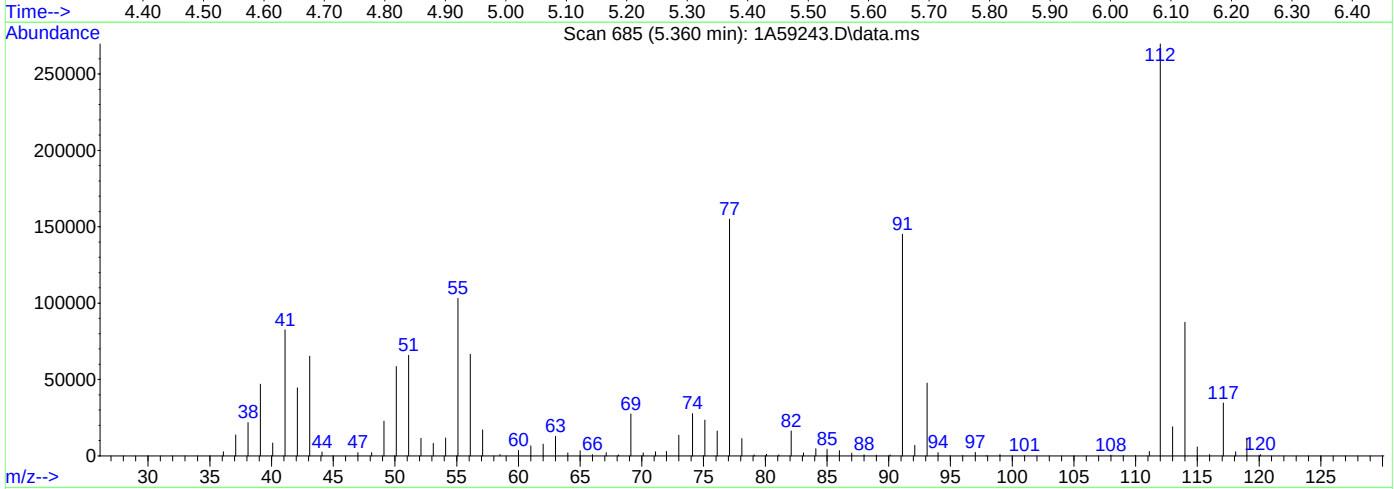
Ion	Exp%	Act%
91.00	100	100
55.00	77.50	0.16#
41.00	62.80	0.92#
43.10	51.70	0.13#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59243.D
Acq On : 18 Sep 2024 11:55 am
Operator : jeniferw
Sample : IC3047-7 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 18 12:14:09 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59243.D\data.ms

(76) 1-Chlorohexane

5.360min (+0.001) 101.26ug/L m

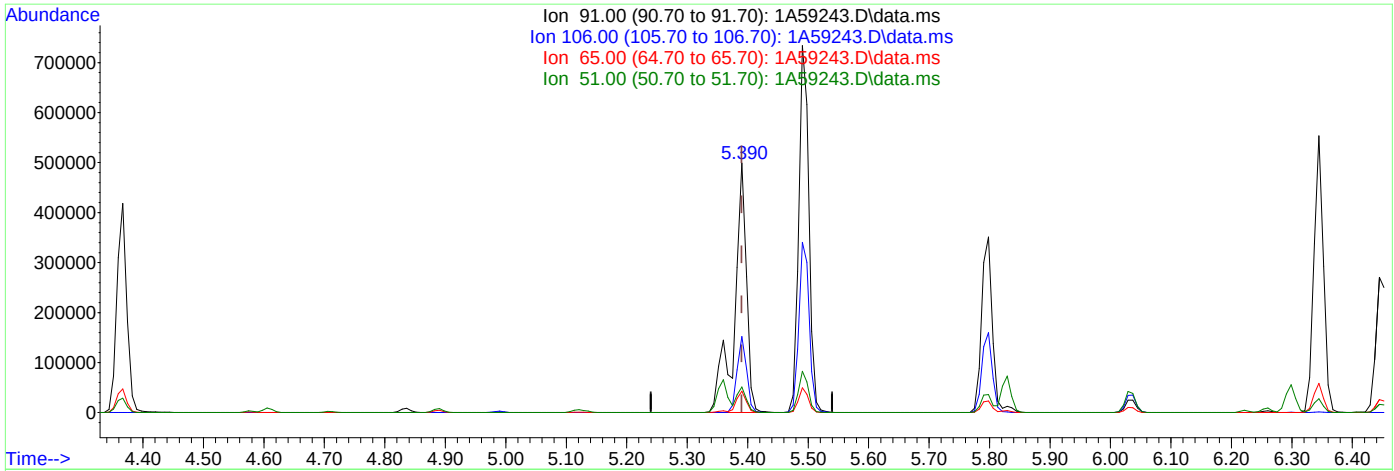
response 185656

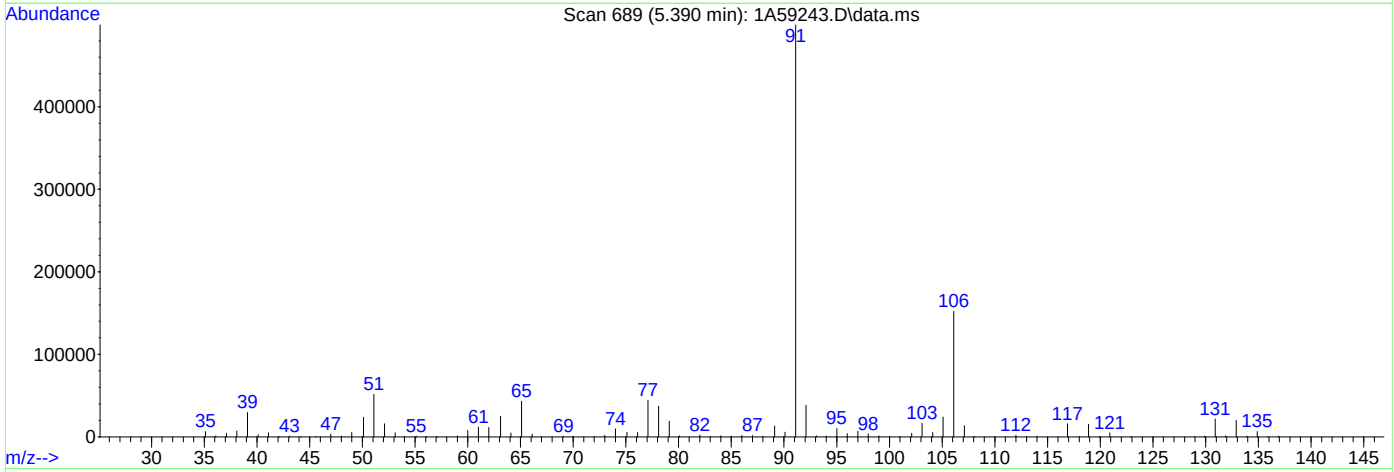
Ion	Exp%	Act%
91.00	100	100
55.00	77.50	71.11
41.00	62.80	56.85
43.10	51.70	45.02

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59243.D
Acq On : 18 Sep 2024 11:55 am
Operator : jeniferw
Sample : IC3047-7 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 18 12:14:09 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59243.D\data.ms

(77) Ethylbenzene

5.390min (+0.000) 132.24ug/L

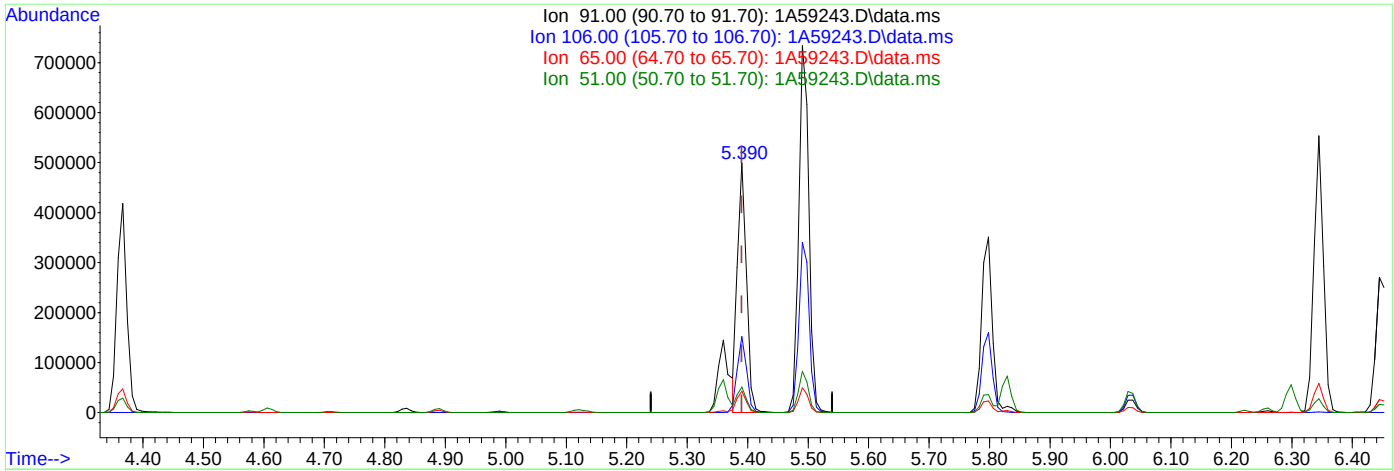
response 704267

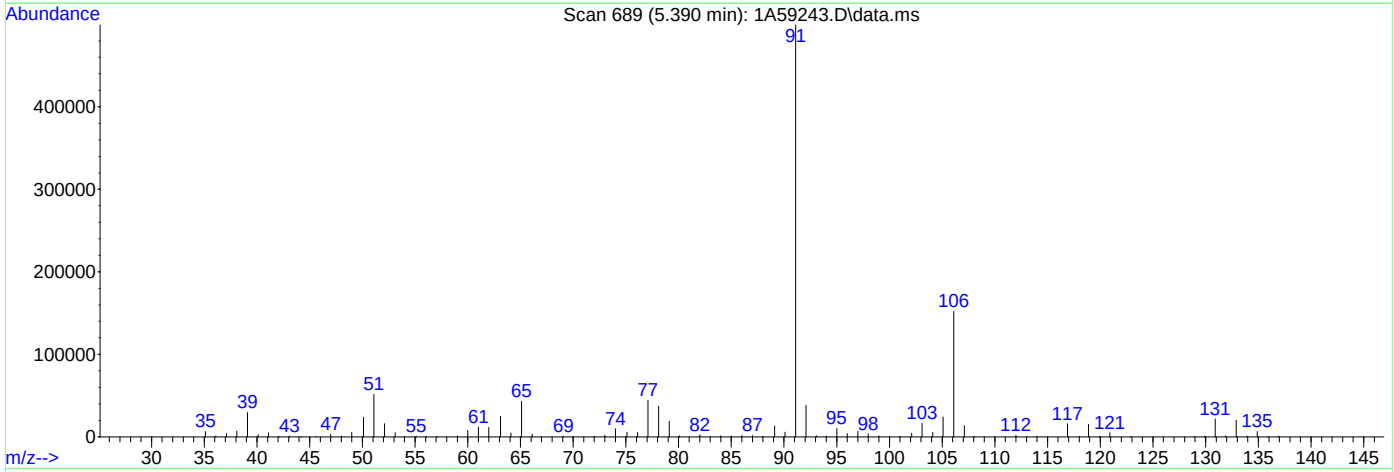
Ion	Exp%	Act%
91.00	100	100
106.00	29.70	30.46
65.00	9.20	8.62
51.00	10.90	10.31

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59243.D
Acq On : 18 Sep 2024 11:55 am
Operator : jeniferw
Sample : IC3047-7 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 18 12:14:09 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Sun Aug 18 15:26:25 2024
Response via : Initial Calibration





TIC: 1A59243.D\data.ms

(77) Ethylbenzene

5.390min (+0.000) 97.46ug/L m

response 519050

Ion	Exp%	Act%
91.00	100	100
106.00	29.70	30.46
65.00	9.20	8.62
51.00	10.90	10.31

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/18/24 15:09

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59249.D
Acq On : 18 Sep 2024 1:31 pm
Operator : jeniferw
Sample : ICV3047-5 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 18 14:19:50 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:58 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.397	96	217956	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.344	117	150371	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.084	152	79530	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	2.951	113	61678	49.61	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	99.22%		
49) 1,2-Dichloroethane-d4	3.228	65	68870	50.37	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery =	100.74%		
63) Toluene-d8	4.328	98	211076	49.85	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery =	99.70%		
86) 4-Bromofluorobenzene	6.222	174	65869	50.33	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	100.66%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.019	85	43991	36.35	ug/L	99
3) Chloromethane	1.127	50	38422	34.71	ug/L	97
4) 1,3-butadiene	1.180	39	43303	43.41	ug/L	95
5) Vinyl Chloride	1.165	62	43811	35.93	ug/L	98
6) Bromomethane	1.342	94	26056	39.76	ug/L	97
7) Chloroethane	1.411	64	28713	34.59	ug/L	98
8) Trichlorofluoromethane	1.496	101	65950	35.52	ug/L	100
9) Ethyl Ether	1.650	59	28122	36.45	ug/L	96
10) Ethanol	1.696	45	4591m	777.23	ug/L	
11) 1,2-Dichlorotrifluoroe...	1.742	67	48030	37.48	ug/L	98
12) 1,1-Dichloroethene	1.758	61	66707	43.44	ug/L	99
13) Freon 113	1.781	101	41831	40.95	ug/L	99
14) Carbon Disulfide	1.781	76	111239	35.96	ug/L	98
15) Iodomethane	1.827	142	26383	37.48	ug/L	97
16) Acrolein	1.904	56	22422	201.78	ug/L	95
17) Allyl chloride	1.989	41	59924	42.59	ug/L	99
18) Methylene Chloride	2.042	49	59985	42.62	ug/L	98
19) Acetone	2.042	43	38542	201.88	ug/L	97
20) Methyl acetate	2.119	43	99653	190.44	ug/L	100
21) trans-1,2-Dichloroethene	2.135	61	65123	42.70	ug/L	98
22) Hexane	2.189	56	37561	39.49	ug/L	98
23) Methyl Tert Butyl Ether	2.189	73	92463	39.52	ug/L	99
24) Acetonitrile	2.266	41	30440	404.70	ug/L	97
25) Tert Butyl Alcohol	2.204	59	17736	343.70	ug/L	93
26) Di-isopropyl ether	2.389	45	117575	38.18	ug/L	99
27) Chloroprene	2.435	53	124124	42.58	ug/L	98
28) 1,1-Dichloroethane	2.435	63	82035	41.53	ug/L	98
29) Acrylonitrile	2.435	52	63726	208.73	ug/L	98
30) ETBE	2.574	59	112053	39.41	ug/L	99
31) Vinyl acetate	2.558	43	400581	233.21	ug/L	99
32) cis-1,2-Dichloroethene	2.712	96	49503	42.70	ug/L	99
33) 2,2-Dichloropropane	2.781	77	65142	45.19	ug/L	99
34) Bromochloromethane	2.820	128	21948	38.18	ug/L	97
35) Cyclohexane	2.858	56	74571	40.76	ug/L	99
36) Chloroform	2.858	83	87171	42.63	ug/L	100
37) Ethyl acetate	2.904	43	140970	206.18	ug/L	99
38) Tetrahydrofuran	2.943	42	6718	32.53	ug/L	99
40) Carbon Tetrachloride	2.958	117	64567m	42.01	ug/L	
41) 1,1,1-Trichloroethane	2.981	97	72422	43.20	ug/L	99
42) 2-Butanone	2.997	43	54627	185.81	ug/L	98
45) Propionitrile	3.135	54	40191	438.06	ug/L	99
46) Methacrylonitrile	3.158	41	194956	432.59	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59249.D
Acq On : 18 Sep 2024 1:31 pm
Operator : jeniferw
Sample : ICV3047-5 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 18 14:19:50 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:58 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Benzene	3.174	78	181149	42.46	ug/L	98
48) TAME	3.243	73	88047	38.32	ug/L	99
50) 1,2-Dichloroethane	3.266	62	60692	42.27	ug/L	99
51) Isobutyl Alcohol	3.243	43	46580	793.49	ug/L	99
52) Tert Amyl Alcohol	3.312	59	13297	358.30	ug/L	97
53) Trichloroethene	3.505	95	50694	42.25	ug/L	98
54) Methylcyclohexane	3.528	83	75232	42.13	ug/L	93
55) Dibromomethane	3.728	93	27506	41.56	ug/L	99
56) 1,2-Dichloropropane	3.790	63	47585	42.32	ug/L	98
57) Bromodichloromethane	3.820	83	60151	42.47	ug/L	97
58) Methyl methacrylate	3.913	41	27096	45.76	ug/L	98
59) 1,4-Dioxane	3.936	88	3365	705.78	ug/L	85
60) 2-Chloroethyl vinyl ether	4.159	63	89018	219.42	ug/L	98
61) cis-1,3-Dichloropropene	4.205	75	67650	43.17	ug/L	100
64) Toluene	4.367	91	194410	42.90	ug/L	97
65) 2-Nitropropane	4.459	41	35842	183.48	ug/L	97
66) 4-Methyl-2-pentanone	4.575	43	144228	205.15	ug/L	98
67) trans-1,3-Dichloropropene	4.605	75	54546	36.73	ug/L	99
68) Tetrachloroethene	4.628	166	53173	41.58	ug/L	98
69) Ethyl methacrylate	4.721	69	45285	45.64	ug/L	99
70) 1,1,2-Trichloroethane	4.705	83	29874	43.48	ug/L	97
71) Dibromochloromethane	4.836	129	42095	45.12	ug/L	98
72) 1,3-Dichloropropane	4.890	76	60485	43.94	ug/L	99
73) 1,2-Dibromoethane	4.990	107	34658	43.58	ug/L	99
74) 3,3-Dimethyl-1-Butanol	5.113	57	117854	2030.49	ug/L	98
75) 2-hexanone	5.129	43	120326	209.37	ug/L	97
76) 1-Chlorohexane	5.360	91	57825m	36.94	ug/L	
77) Ethylbenzene	5.390	91	218793m	43.11	ug/L	
78) Chlorobenzene	5.360	112	121880	41.92	ug/L	99
79) 1,1,1,2-Tetrachloroethane	5.406	131	42396	45.87	ug/L	99
80) m,p-Xylene	5.490	91	340094	88.08	ug/L	99
81) o-Xylene	5.798	91	168132	43.14	ug/L	100
82) Styrene	5.829	104	126926	45.76	ug/L	99
83) Bromoform	5.837	173	21739	41.60	ug/L	95
84) Isopropylbenzene	6.037	105	201666	44.83	ug/L	98
87) cis-1,4-Dichloro-2-butene	6.260	53	10773	44.65	ug/L	95
88) n-Propylbenzene	6.345	91	248727	43.13	ug/L	98
89) Bromobenzene	6.299	156	50004	42.25	ug/L	95
90) 1,1,2,2-Tetrachloroethane	6.368	83	36161	42.89	ug/L	97
91) 1,3,5-Trimethylbenzene	6.499	105	166787	46.26	ug/L	98
92) 2-Chlorotoluene	6.445	91	135372	42.39	ug/L	99
93) trans-1,4-Dichloro-2-B...	6.499	53	13894	42.48	ug/L	95
94) 1,2,3-Trichloropropane	6.460	110	10572	43.95	ug/L	94
95) Cyclohexanone	6.476	55	7825	434.35	ug/L	97
96) 4-Chlorotoluene	6.576	91	142249	43.29	ug/L	99
97) tert-Butylbenzene	6.737	91	94814	43.61	ug/L	99
98) 1,2,4-Trimethylbenzene	6.791	105	156352	45.91	ug/L	99
100) sec-Butylbenzene	6.883	105	198265	42.92	ug/L	98
101) 4-Isopropyltoluene	6.999	119	167462	44.92	ug/L	100
102) 1,3-Dichlorobenzene	7.030	146	88557	42.43	ug/L	99
103) 1,2,3-Trimethylbenzene	7.130	105	144077	41.99	ug/L	99
104) 1,4-Dichlorobenzene	7.099	146	88747	42.82	ug/L	98
105) n-Butylbenzene	7.330	92	82591	44.02	ug/L	97
106) Benzyl Chloride	7.284	126	10491	40.81	ug/L	96
107) 1,2-Dichlorobenzene	7.422	146	76047	42.02	ug/L	98
108) 1,2-Dibromo-3-Chloropr...	7.999	75	4355	40.22	ug/L	98
109) Hexachlorobutadiene	8.507	225	20500	42.23	ug/L	98
110) 1,2,4-Trichlorobenzene	8.500	180	37660	43.65	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59249.D
Acq On : 18 Sep 2024 1:31 pm
Operator : jeniferw
Sample : ICV3047-5 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 18 14:19:50 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:58 2024
Response via : Initial Calibration

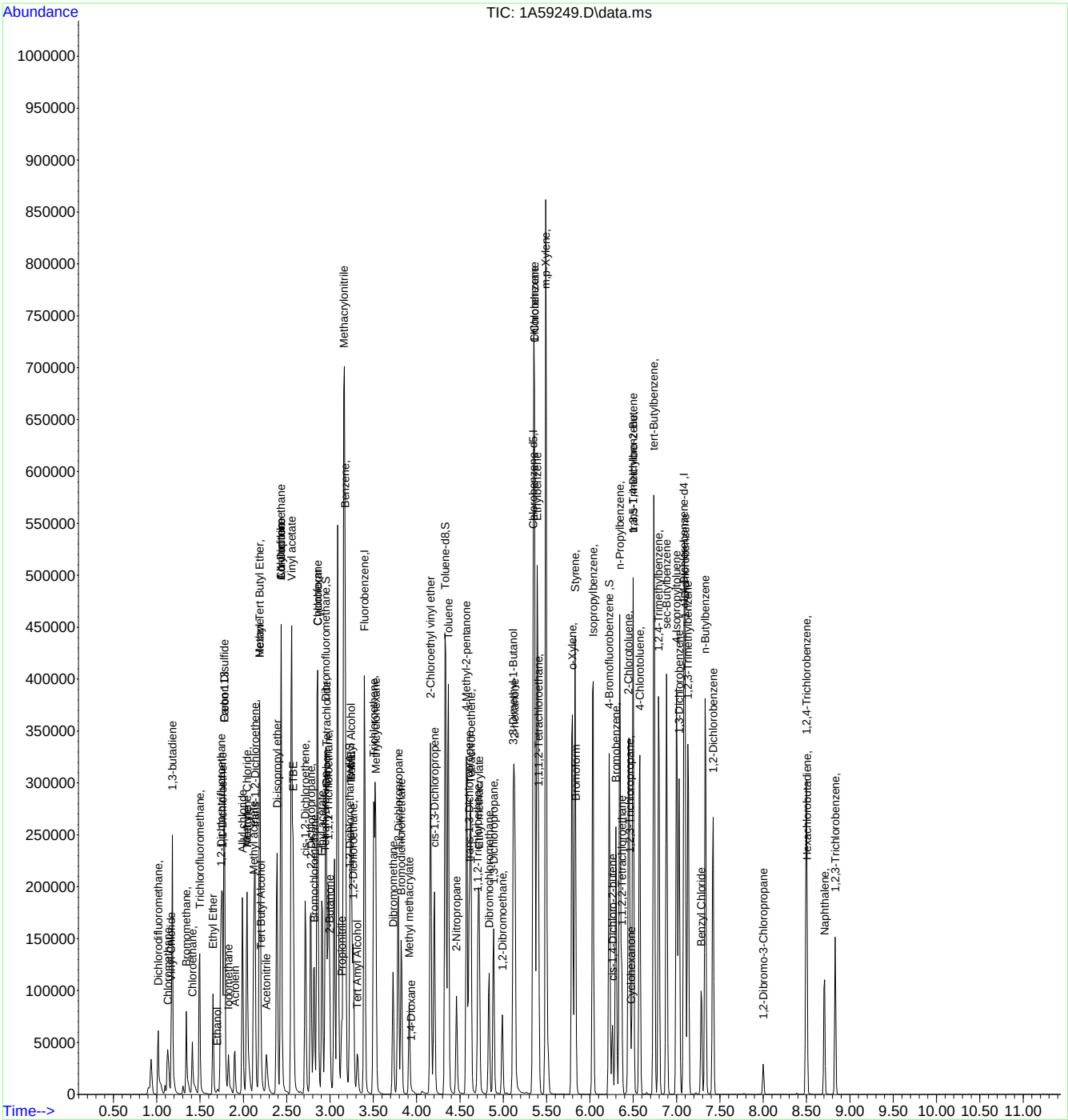
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
111) Naphthalene	8.708	128	59856	38.74	ug/L	100
112) 1,2,3-Trichlorobenzene	8.831	180	28079	41.85	ug/L	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59249.D
Acq On : 18 Sep 2024 1:31 pm
Operator : jeniferw
Sample : ICV3047-5 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 18 14:19:50 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:58 2024
Response via : Initial Calibration



Manual Integration Approval Summary

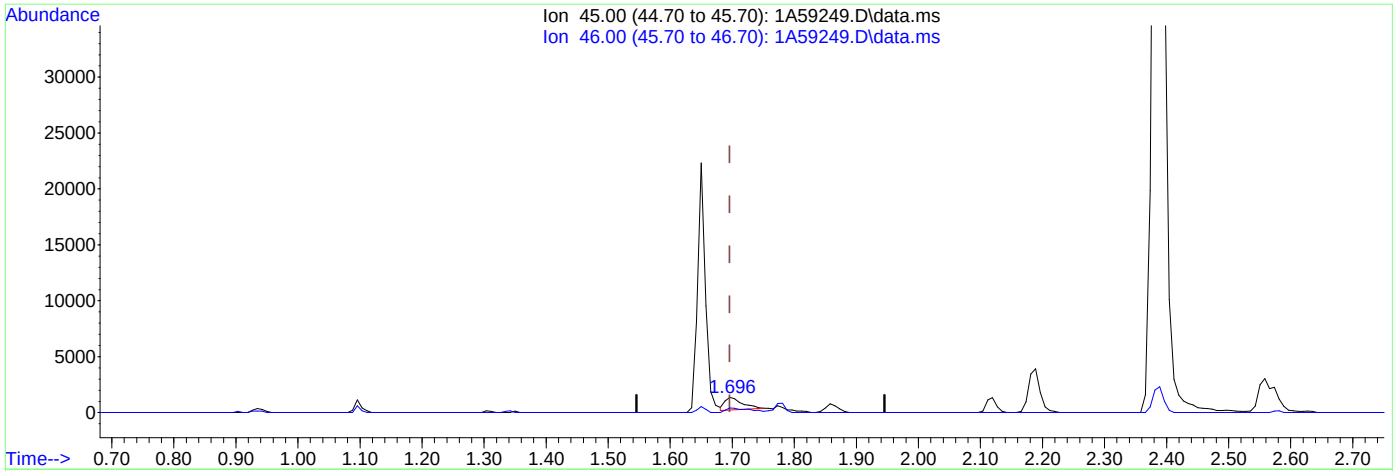
Sample Number: V1A3047-ICV3047 **Method:** SW846 8260D
Lab FileID: 1A59249.D **Analyst approved:** 09/18/24 14:30 Jenifer Willis
Injection Time: 09/18/24 13:31 **Supervisor approved:** 09/18/24 15:09 Karen Watson

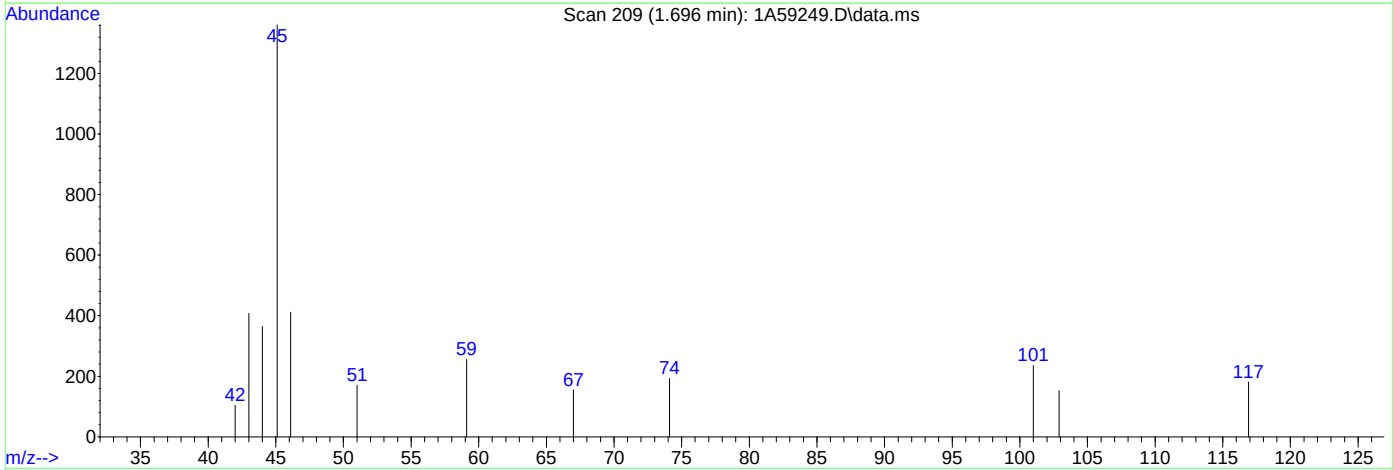
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		1.70	Poorly defined baseline
Carbon Tetrachloride	56-23-5		2.96	Overlapping peak
1-Chlorohexane	544-10-5		5.36	Overlapping peak
Ethylbenzene	100-41-4		5.39	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59249.D
Acq On : 18 Sep 2024 1:31 pm
Operator : jeniferw
Sample : ICV3047-5 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 18 14:18:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:58 2024
Response via : Initial Calibration





TIC: 1A59249.D\data.ms

(10) Ethanol

1.696min (+0.000) 379.61ug/L

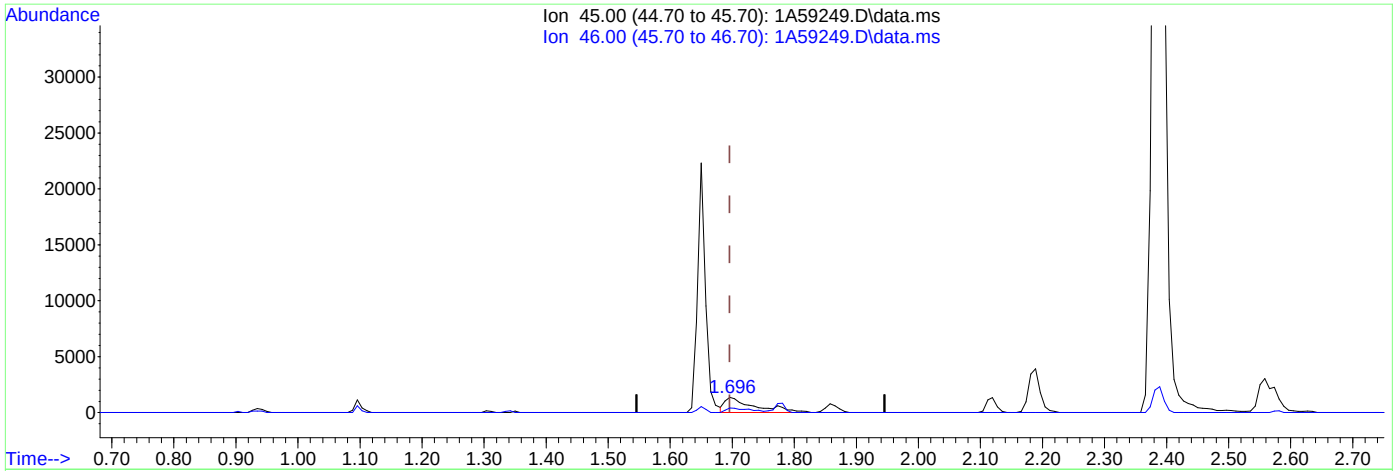
response 2228

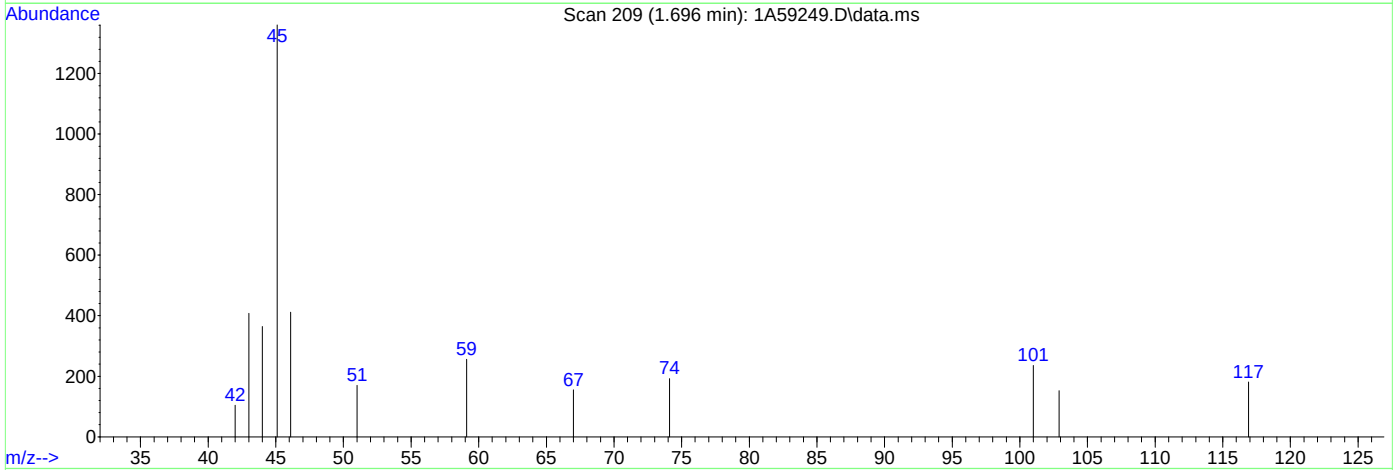
Ion	Exp%	Act%
45.00	100	100
46.00	35.50	41.83
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59249.D
Acq On : 18 Sep 2024 1:31 pm
Operator : jeniferw
Sample : ICV3047-5 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 18 14:18:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:58 2024
Response via : Initial Calibration





TIC: 1A59249.D\data.ms

(10) Ethanol

1.696min (+0.000) 777.23ug/L m

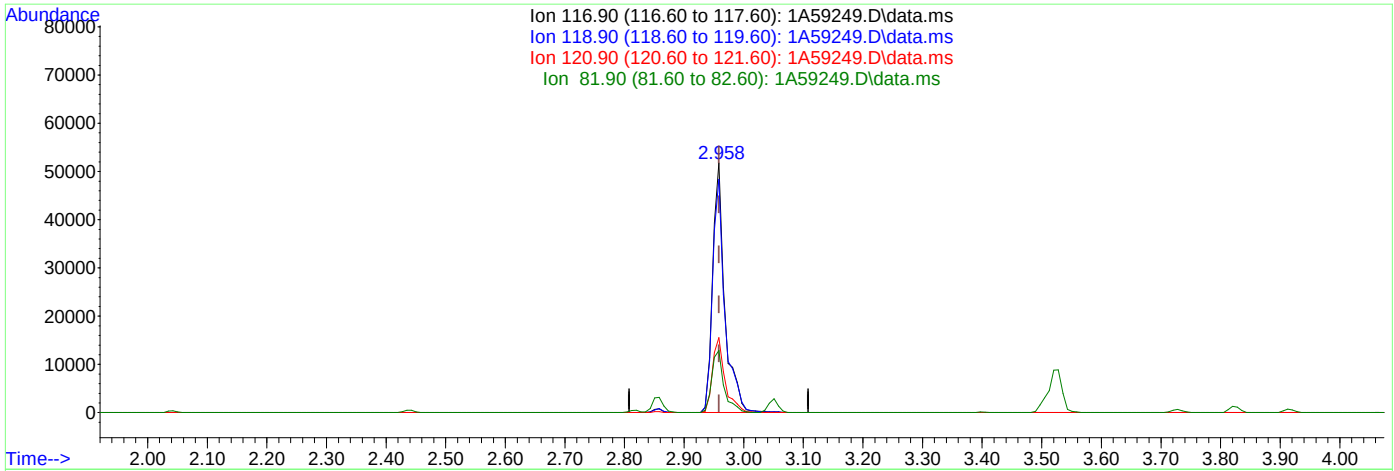
response 4591

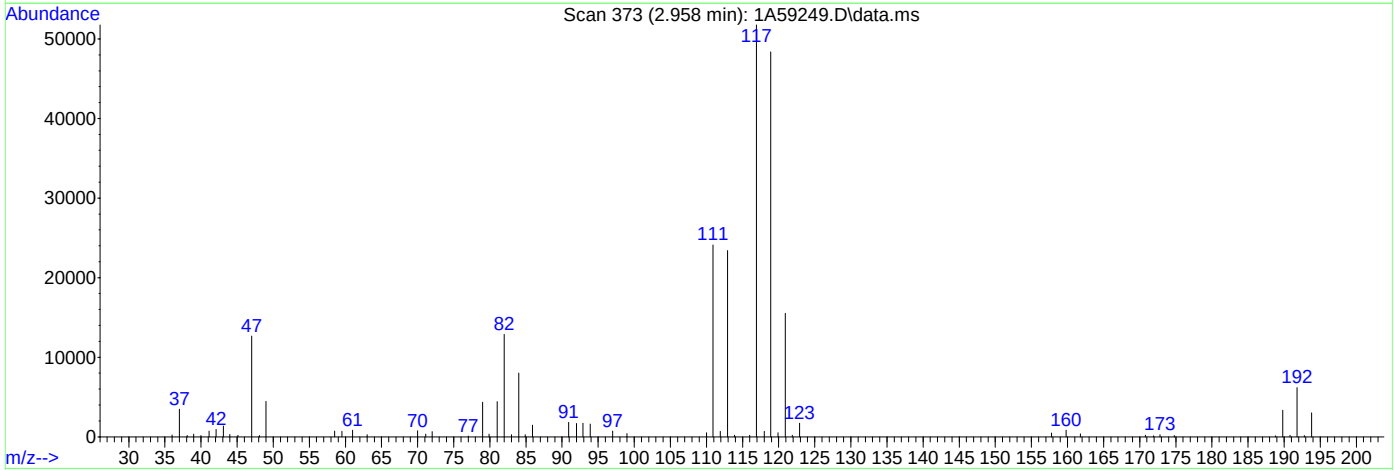
Ion	Exp%	Act%
45.00	100	100
46.00	35.50	30.27
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59249.D
Acq On : 18 Sep 2024 1:31 pm
Operator : jeniferw
Sample : ICV3047-5 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 18 14:18:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:58 2024
Response via : Initial Calibration





TIC: 1A59249.D\data.ms

(40) Carbon Tetrachloride ( )

2.958min (-0.000) 47.92ug/L

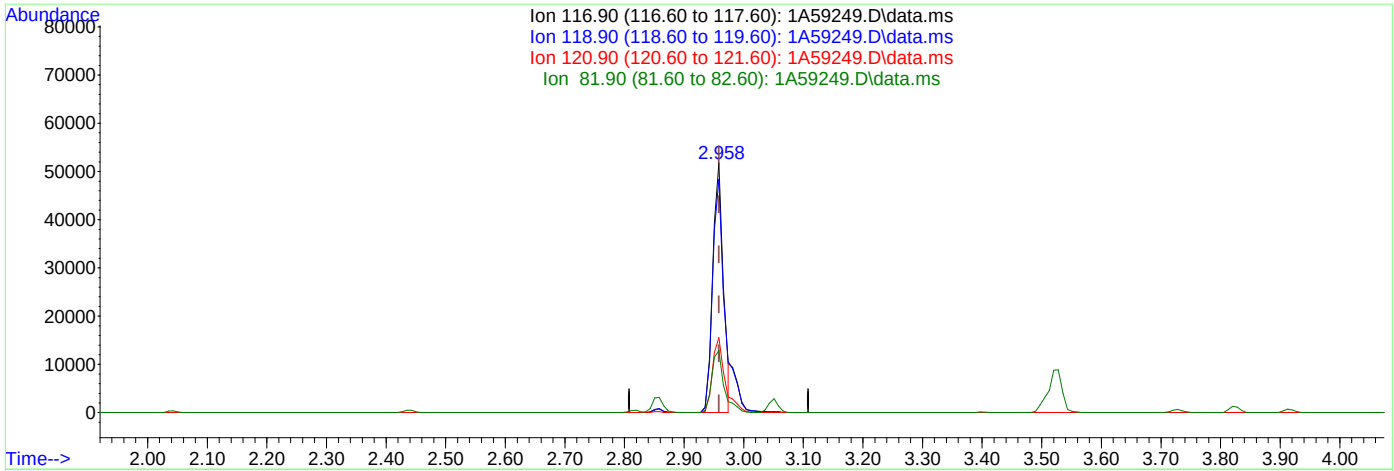
response 73643

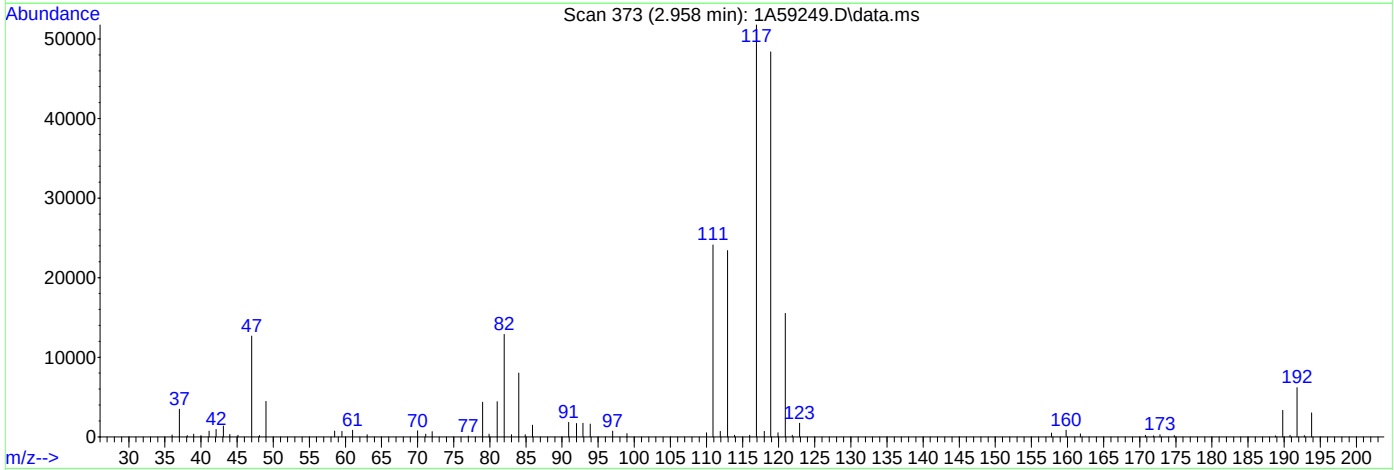
Ion	Exp%	Act%
116.90	100	100
118.90	97.80	93.43
120.90	30.90	29.97
81.90	25.10	24.86

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59249.D
Acq On : 18 Sep 2024 1:31 pm
Operator : jeniferw
Sample : ICV3047-5 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 18 14:18:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:58 2024
Response via : Initial Calibration





TIC: 1A59249.D\data.ms

(40) Carbon Tetrachloride ( )

2.958min (-0.000) 42.01ug/L m

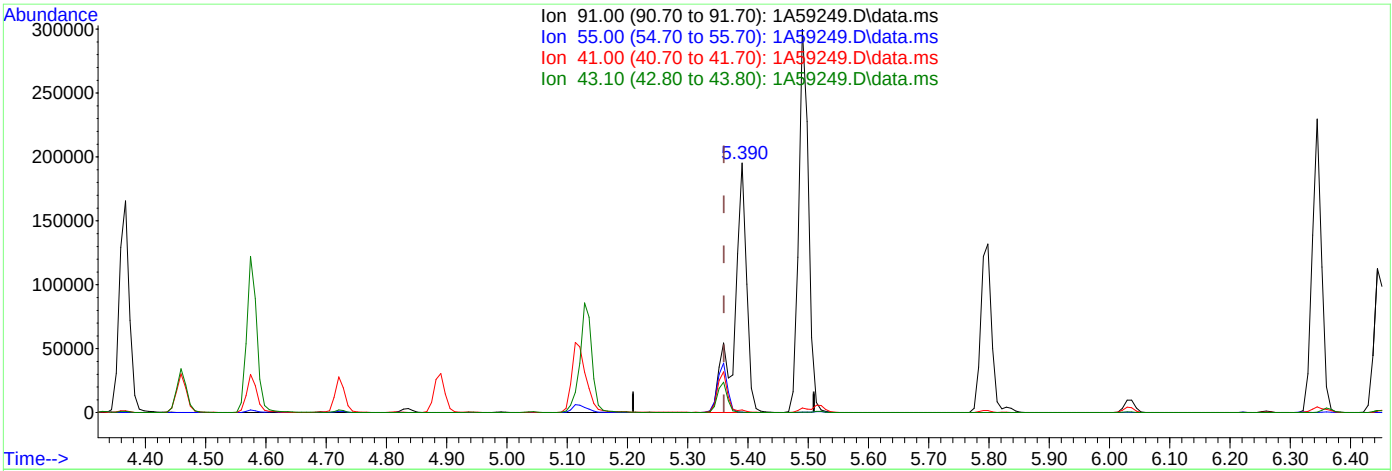
response 64567

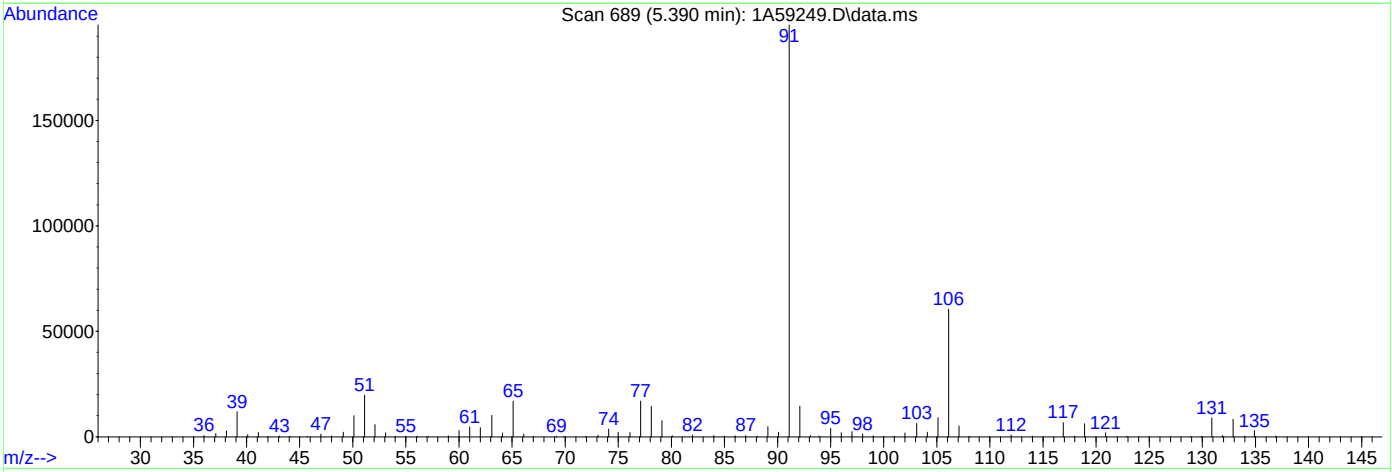
Ion	Exp%	Act%
116.90	100	100
118.90	97.80	93.43
120.90	30.90	29.97
81.90	25.10	24.86

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59249.D
Acq On : 18 Sep 2024 1:31 pm
Operator : jeniferw
Sample : ICV3047-5 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 18 14:18:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:58 2024
Response via : Initial Calibration





TIC: 1A59249.D\data.ms

(76) 1-Chlorohexane

5.390min (+0.030) 176.86ug/L

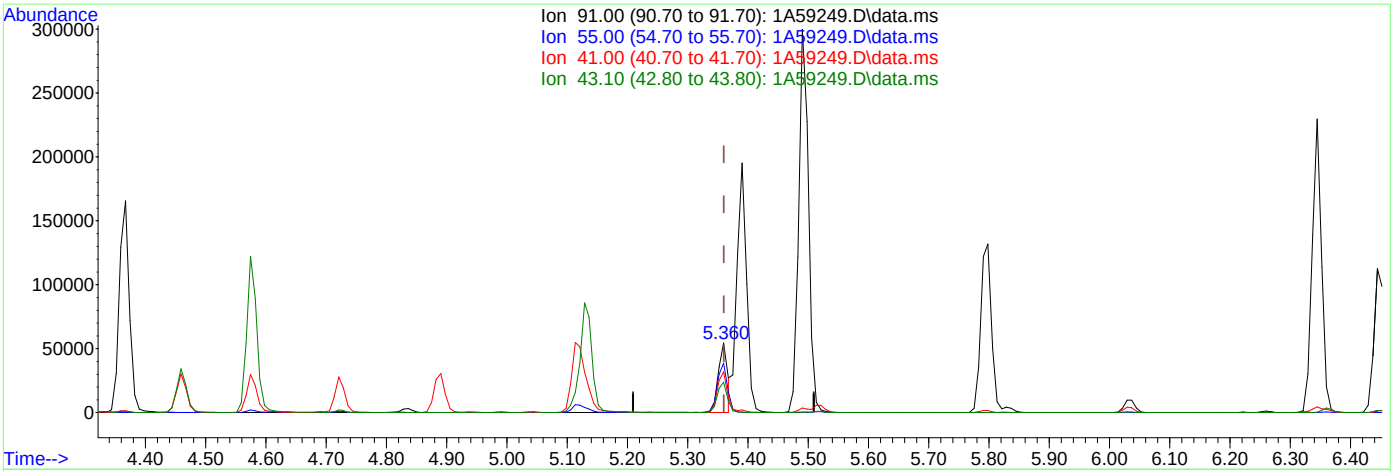
response 276842

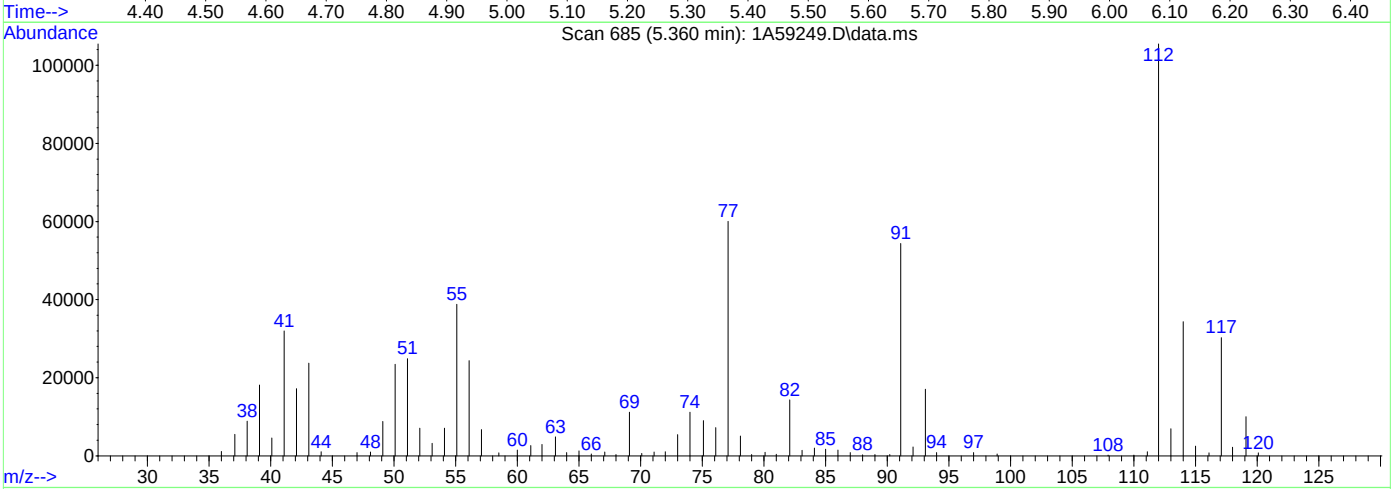
Ion	Exp%	Act%
91.00	100	100
55.00	69.60	0.17#
41.00	56.40	0.99#
43.10	42.00	0.18#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59249.D
Acq On : 18 Sep 2024 1:31 pm
Operator : jeniferw
Sample : ICV3047-5 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 18 14:18:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:58 2024
Response via : Initial Calibration





TIC: 1A59249.D\data.ms

(76) 1-Chlorohexane

5.360min (-0.000) 36.94ug/L m

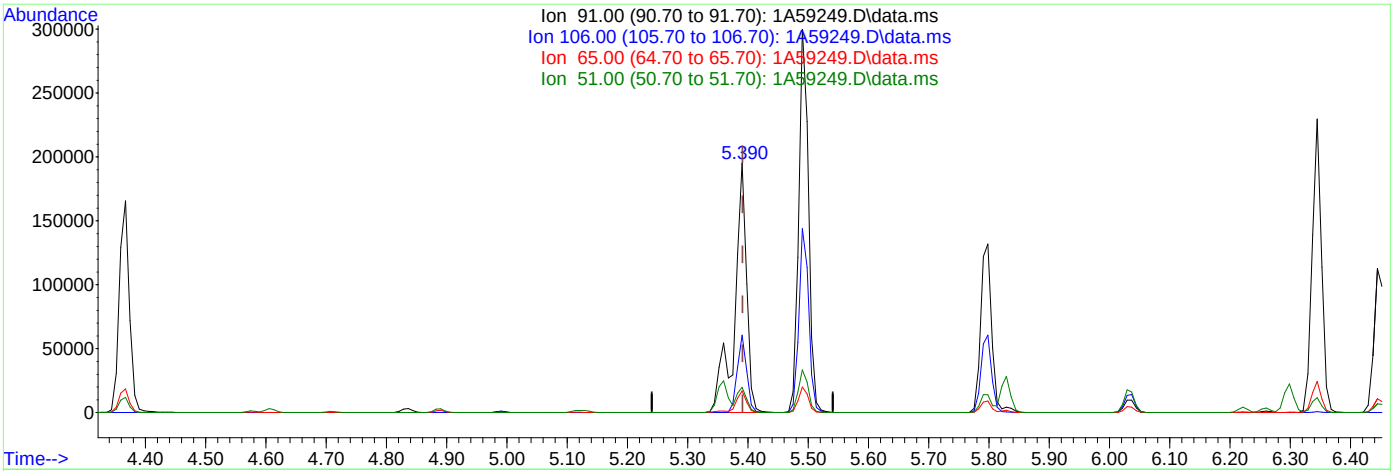
response 57825

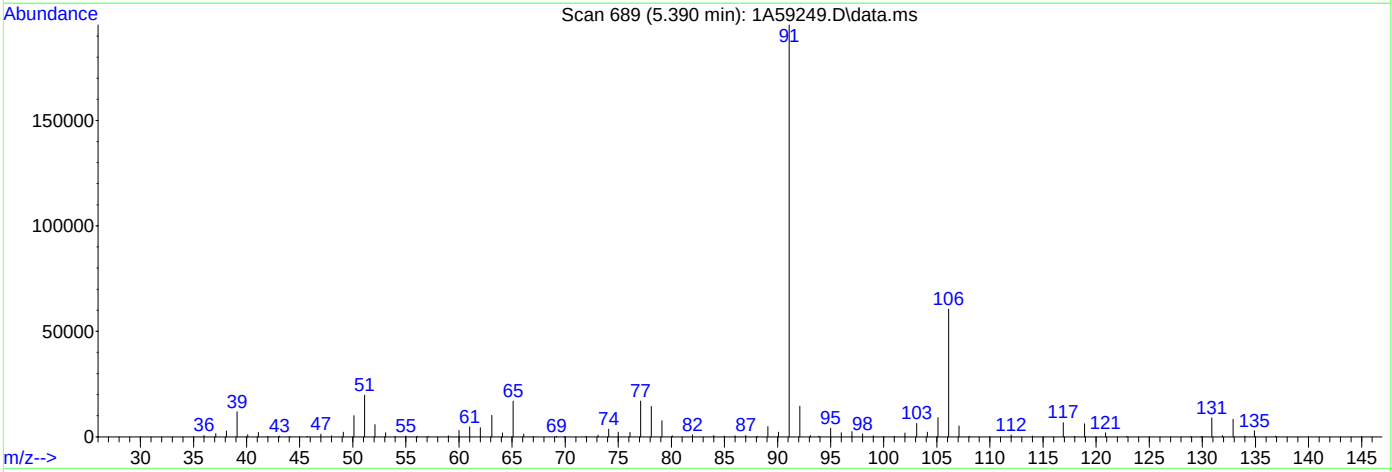
Ion	Exp%	Act%
91.00	100	100
55.00	69.60	71.31
41.00	56.40	58.85
43.10	42.00	43.62

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59249.D
Acq On : 18 Sep 2024 1:31 pm
Operator : jeniferw
Sample : ICV3047-5 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 18 14:18:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:58 2024
Response via : Initial Calibration





TIC: 1A59249.D\data.ms

(77) Ethylbenzene

5.390min (-0.001) 54.55ug/L

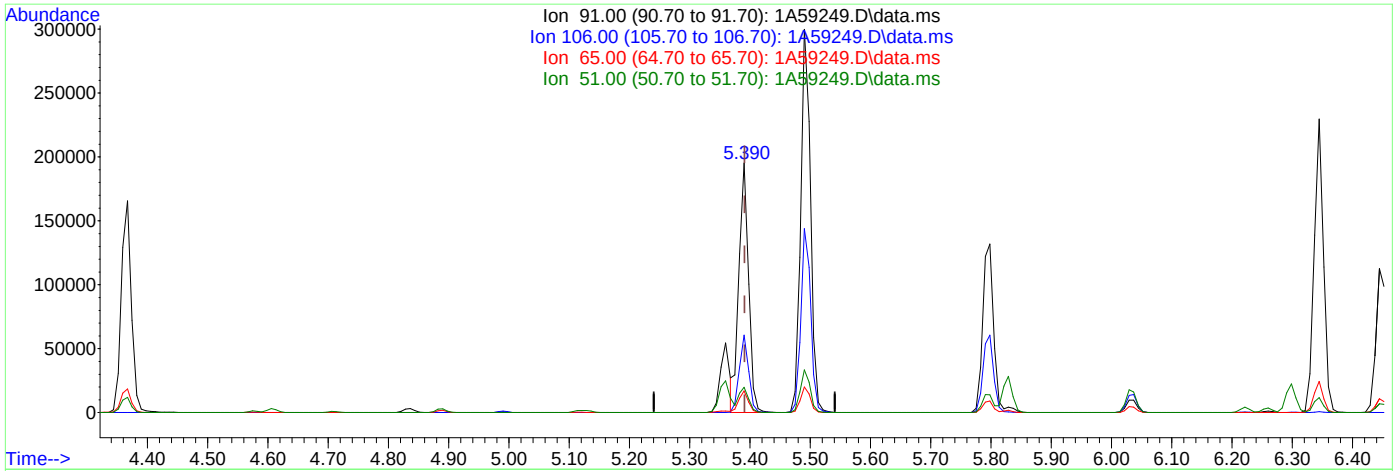
response 276842

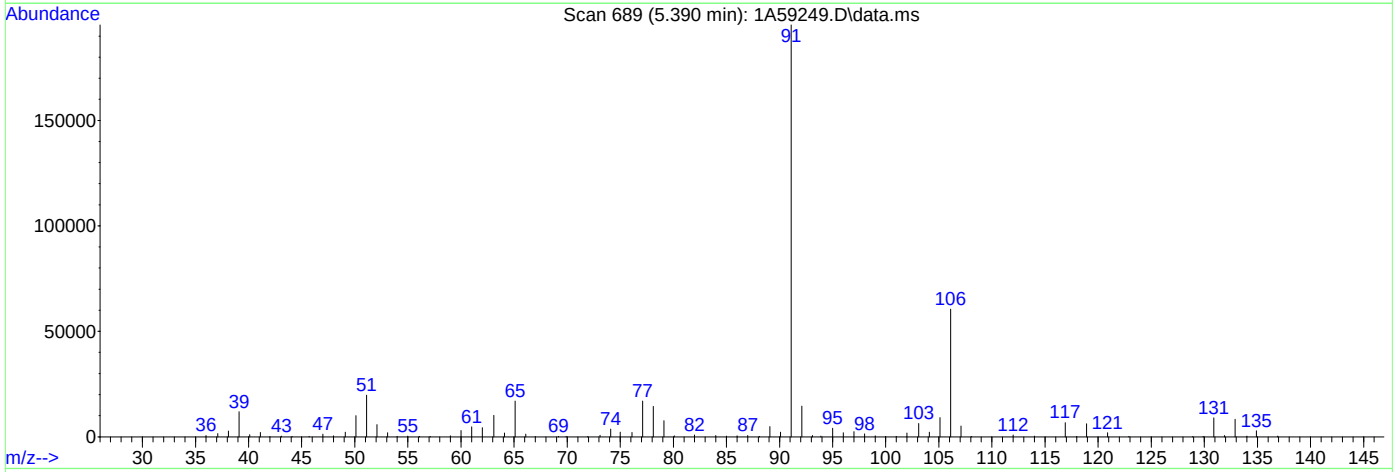
Ion	Exp%	Act%
91.00	100	100
106.00	30.40	31.01
65.00	8.50	8.69
51.00	10.30	10.12

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59249.D
Acq On : 18 Sep 2024 1:31 pm
Operator : jeniferw
Sample : ICV3047-5 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 18 14:18:16 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:58 2024
Response via : Initial Calibration





TIC: 1A59249.D\data.ms

(77) Ethylbenzene

5.390min (-0.001) 43.11ug/L m

response 218793

Ion	Exp%	Act%
91.00	100	100
106.00	30.40	31.01
65.00	8.50	8.69
51.00	10.30	10.12

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59251.D
Acq On : 18 Sep 2024 2:03 pm
Operator : jeniferw
Sample : ICV3047-4 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 18 14:21:42 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:58 2024
Response via : Initial Calibration

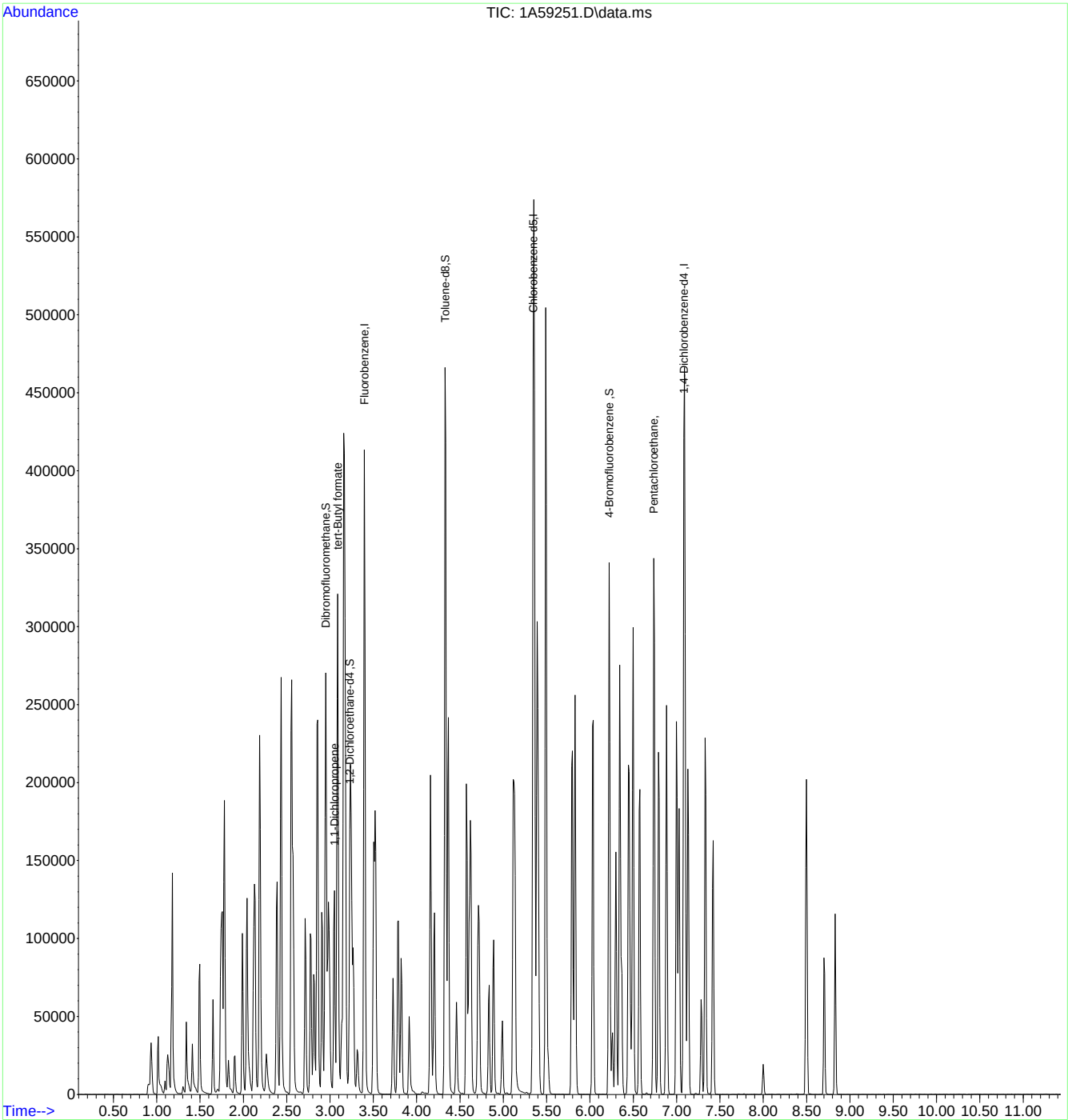
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.397	96	221791	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.344	117	154127	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.083	152	81119	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	2.951	113	62380	49.31	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.62%			
49) 1,2-Dichloroethane-d4	3.228	65	70294	50.52	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 101.04%			
63) Toluene-d8	4.328	98	215955	49.76	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 99.52%			
86) 4-Bromofluorobenzene	6.221	174	67153	50.31	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.62%			
Target Compounds						Qvalue
43) 1,1-Dichloropropene	3.051	75	37591	27.67	ug/L	99
44) tert-Butyl formate	3.089	59	85192	163.95	ug/L	97
99) Pentachloroethane	6.737	167	14800	27.37	ug/L #	84

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091824\
Data File : 1A59251.D
Acq On : 18 Sep 2024 2:03 pm
Operator : jeniferw
Sample : ICV3047-4 Inst : MSVOA17-1A_2A
Misc : MS57502,V1A3047,,,,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 18 14:21:42 2024
Quant Method : C:\msdchem\1\methods\V1A3037_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:58 2024
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
10/04/24 12:04

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100124\
Data File : 1A59592.D
Acq On : 1 Oct 2024 6:42 am
Operator : jeniferw
Sample : CC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57600,V1A3062,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 01 07:09:45 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.405	96	257075	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.352	117	182445	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.091	152	94937	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	2.950	113	71987	49.09	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	98.18%		
49) 1,2-Dichloroethane-d4	3.235	65	86303	53.51	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery =	107.02%		
63) Toluene-d8	4.336	98	254189	49.48	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery =	98.96%		
86) 4-Bromofluorobenzene	6.229	174	78058	49.96	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	99.92%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.019	85	68034	47.67	ug/L	98
3) Chloromethane	1.134	50	57121	43.74	ug/L	95
4) 1,3-butadiene	1.188	39	47038	39.98	ug/L	95
5) Vinyl Chloride	1.173	62	62125	43.19	ug/L	100
6) Bromomethane	1.350	94	30546	39.52	ug/L	98
7) Chloroethane	1.419	64	34204	34.94	ug/L	98
8) Trichlorofluoromethane	1.496	101	86618	39.55	ug/L	98
9) Ethyl Ether	1.658	59	38379	42.18	ug/L	97
10) Ethanol	1.704	45	5522	792.40	ug/L	99
11) 1,2-Dichlorotrifluoroe...	1.742	67	64052	42.38	ug/L	94
12) 1,1-Dichloroethene	1.758	61	82302	45.44	ug/L	91
13) Freon 113	1.788	101	51151	42.45	ug/L	98
14) Carbon Disulfide	1.781	76	154433	42.32	ug/L	94
15) Iodomethane	1.835	142	35940	42.16	ug/L	98
16) Acrolein	1.904	56	26957	205.67	ug/L	100
17) Allyl chloride	1.996	41	76648	46.19	ug/L	97
18) Methylene Chloride	2.042	49	69029	41.58	ug/L	93
19) Acetone	2.050	43	50024	222.15	ug/L	98
20) Methyl acetate	2.119	43	140408	227.49	ug/L	96
21) trans-1,2-Dichloroethene	2.135	61	80172	44.57	ug/L	94
22) Hexane	2.196	56	50892	45.36	ug/L	94
23) Methyl Tert Butyl Ether	2.189	73	122144	44.27	ug/L	78
24) Acetonitrile	2.273	41	36599	413.19	ug/L	95
25) Tert Butyl Alcohol	2.204	59	30090	494.37	ug/L #	1
26) Di-isopropyl ether	2.389	45	165115	45.46	ug/L	97
27) Chloroprene	2.435	53	157375	45.77	ug/L	94
28) 1,1-Dichloroethane	2.443	63	100408	43.10	ug/L	99
29) Acrylonitrile	2.435	52	82800	229.94	ug/L	91
30) ETBE	2.581	59	154306	46.01	ug/L	99
31) Vinyl acetate	2.558	43	510782	252.12	ug/L	99
32) cis-1,2-Dichloroethene	2.720	96	55525	40.60	ug/L	99
33) 2,2-Dichloropropane	2.781	77	78522	46.18	ug/L	98
34) Bromochloromethane	2.820	128	27122	40.00	ug/L #	83
35) Cyclohexane	2.858	56	98244	45.53	ug/L	97
36) Chloroform	2.858	83	102128	42.35	ug/L	98
37) Ethyl acetate	2.912	43	195184	242.04	ug/L	99
38) Tetrahydrofuran	2.943	42	11643	47.80	ug/L	92
40) Carbon Tetrachloride	2.958	117	78245m	43.16	ug/L	
41) 1,1,1-Trichloroethane	2.981	97	87415	44.21	ug/L	96
42) 2-Butanone	2.997	43	81538	235.14	ug/L	97
43) 1,1-Dichloropropene	3.051	75	69749	44.26	ug/L	93
44) tert-Butyl formate	3.089	59	179008	282.77	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100124\
Data File : 1A59592.D
Acq On : 1 Oct 2024 6:42 am
Operator : jeniferw
Sample : CC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57600,V1A3062,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 01 07:09:45 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Propionitrile	3.143	54	50167	463.59	ug/L		97
46) Methacrylonitrile	3.166	41	253135	476.21	ug/L		99
47) Benzene	3.181	78	216560	43.04	ug/L		95
48) TAME	3.251	73	123014	45.39	ug/L		90
50) 1,2-Dichloroethane	3.274	62	73745	43.54	ug/L		97
51) Isobutyl Alcohol	3.251	43	69965	1010.49	ug/L		91
52) Tert Amyl Alcohol	3.320	59	22482	499.27	ug/L		93
53) Trichloroethene	3.505	95	59303	41.90	ug/L		94
54) Methylcyclohexane	3.528	83	91953	43.65	ug/L		99
55) Dibromomethane	3.728	93	32453	41.57	ug/L		95
56) 1,2-Dichloropropane	3.789	63	55156	41.59	ug/L		93
57) Bromodichloromethane	3.828	83	73378	43.93	ug/L		97
58) Methyl methacrylate	3.913	41	34044	48.74	ug/L		93
59) 1,4-Dioxane	3.936	88	5863	1042.59	ug/L		72
60) 2-Chloroethyl vinyl ether	4.159	63	117695	243.30	ug/L		92
61) cis-1,3-Dichloropropene	4.205	75	83606	45.24	ug/L		94
64) Toluene	4.367	91	228731	41.60	ug/L		99
65) 2-Nitropropane	4.459	41	56101	236.70	ug/L		99
66) 4-Methyl-2-pentanone	4.582	43	192280	225.42	ug/L		99
67) trans-1,3-Dichloropropene	4.613	75	73569	40.83	ug/L		99
68) Tetrachloroethene	4.628	166	60922	39.26	ug/L		96
69) Ethyl methacrylate	4.728	69	48365	40.18	ug/L		95
70) 1,1,2-Trichloroethane	4.713	83	35630	42.74	ug/L		98
71) Dibromochloromethane	4.836	129	51239	45.27	ug/L		98
72) 1,3-Dichloropropane	4.890	76	71010	42.51	ug/L		94
73) 1,2-Dibromoethane	4.990	107	41401	42.91	ug/L		100
74) 3,3-Dimethyl-1-Butanol	5.121	57	173818	2392.62	ug/L		99
75) 2-hexanone	5.136	43	158430	227.21	ug/L		89
76) 1-Chlorohexane	5.359	91	78215m	41.18	ug/L		
77) Ethylbenzene	5.390	91	253225m	41.13	ug/L		
78) Chlorobenzene	5.359	112	142815	40.48	ug/L		96
79) 1,1,1,2-Tetrachloroethane	5.406	131	50286	44.84	ug/L		98
80) m,p-Xylene	5.498	91	400315	85.45	ug/L		99
81) o-Xylene	5.798	91	199067	42.10	ug/L		99
82) Styrene	5.829	104	144321	42.88	ug/L		97
83) Bromoform	5.837	173	29809	47.01	ug/L		96
84) Isopropylbenzene	6.037	105	229821	42.11	ug/L		99
87) cis-1,4-Dichloro-2-butene	6.260	53	15138	52.56	ug/L	#	77
88) n-Propylbenzene	6.345	91	282024	40.97	ug/L		97
89) Bromobenzene	6.306	156	56712	40.14	ug/L		91
90) 1,1,2,2-Tetrachloroethane	6.368	83	43875	43.59	ug/L		98
91) 1,3,5-Trimethylbenzene	6.499	105	183985	42.75	ug/L		97
92) 2-Chlorotoluene	6.452	91	156666	41.10	ug/L		99
93) trans-1,4-Dichloro-2-B...	6.499	53	18855	48.29	ug/L		94
94) 1,2,3-Trichloropropane	6.468	110	12692	44.20	ug/L		95
95) Cyclohexanone	6.475	55	5066	235.57	ug/L		88
96) 4-Chlorotoluene	6.575	91	165782	42.27	ug/L		97
97) tert-Butylbenzene	6.745	91	107894	41.57	ug/L		97
98) 1,2,4-Trimethylbenzene	6.799	105	172831	42.51	ug/L		98
99) Pentachloroethane	6.745	167	31720	50.12	ug/L	#	71
100) sec-Butylbenzene	6.883	105	225777	40.94	ug/L		98
101) 4-Isopropyltoluene	7.006	119	185286	41.64	ug/L		98
102) 1,3-Dichlorobenzene	7.030	146	98203	39.42	ug/L		96
103) 1,2,3-Trimethylbenzene	7.137	105	164644	40.20	ug/L		97
104) 1,4-Dichlorobenzene	7.099	146	97918	39.58	ug/L		95
105) n-Butylbenzene	7.337	92	85445	38.15	ug/L		96
106) Benzyl Chloride	7.291	126	14498	46.56	ug/L		98
107) 1,2-Dichlorobenzene	7.422	146	85549	39.60	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100124\
Data File : 1A59592.D
Acq On : 1 Oct 2024 6:42 am
Operator : jeniferw
Sample : CC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57600,V1A3062,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 01 07:09:45 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration

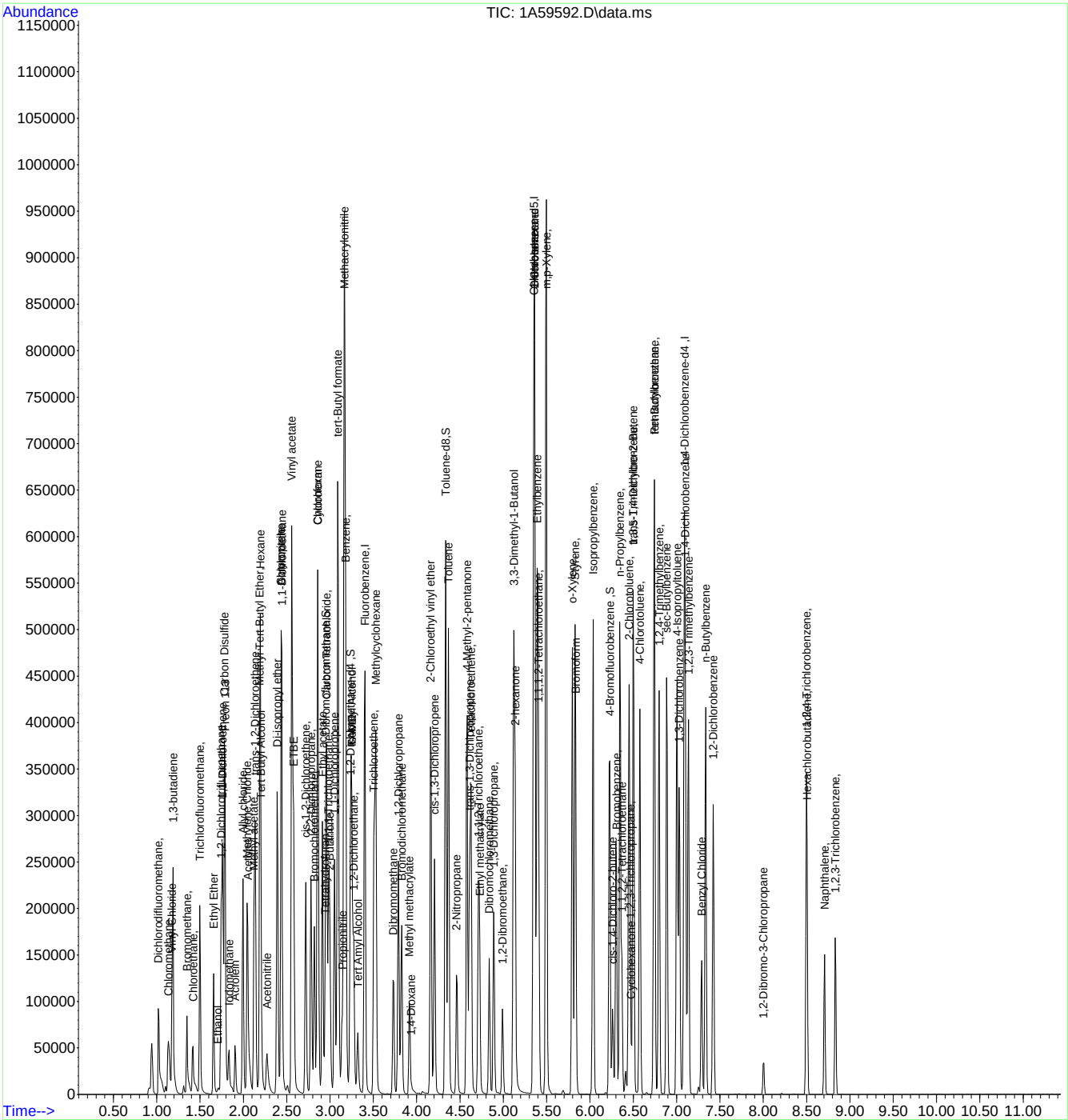
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) 1,2-Dibromo-3-Chloropr...	7.999	75	5763	44.59	ug/L	87
109) Hexachlorobutadiene	8.507	225	23318	40.24	ug/L	96
110) 1,2,4-Trichlorobenzene	8.500	180	41329	40.13	ug/L	97
111) Naphthalene	8.707	128	73651	39.81	ug/L	99
112) 1,2,3-Trichlorobenzene	8.831	180	32833	41.00	ug/L	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\100124\
Data File : 1A59592.D
Acq On : 1 Oct 2024 6:42 am
Operator : jeniferw
Sample : CC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57600,V1A3062,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 01 07:09:45 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: V1A3062-CC3047
Lab FileID: 1A59592.D
Injection Time: 10/01/24 06:42

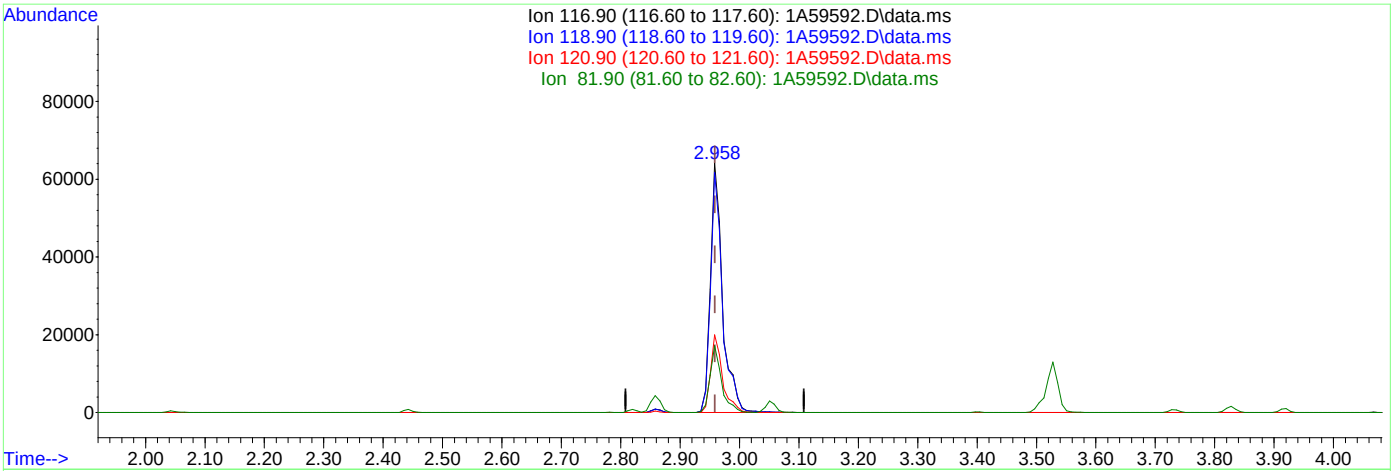
Method: SW846 8260D
Analyst approved: 10/01/24 08:33 Jenifer Willis
Supervisor approved: 10/04/24 12:04 Karen Watson

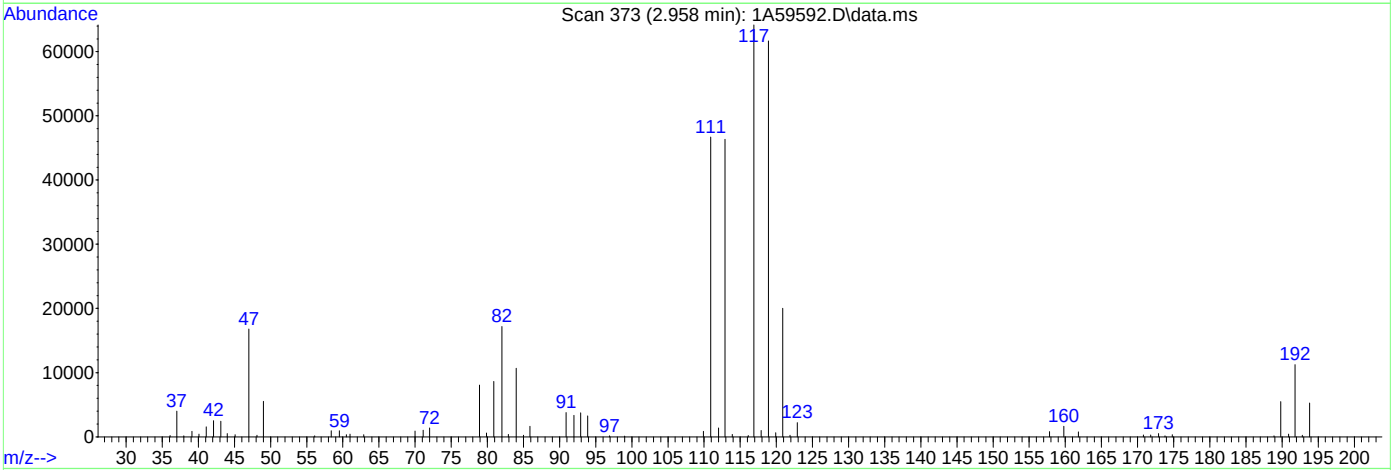
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		2.96	Overlapping peak
1-Chlorohexane	544-10-5		5.36	Overlapping peak
Ethylbenzene	100-41-4		5.39	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100124\
Data File : 1A59592.D
Acq On : 1 Oct 2024 6:42 am
Operator : jeniferw
Sample : CC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57600,V1A3062,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 01 07:09:12 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration





TIC: 1A59592.D\data.ms

(40) Carbon Tetrachloride ( )

2.958min (-0.000) 50.30ug/L

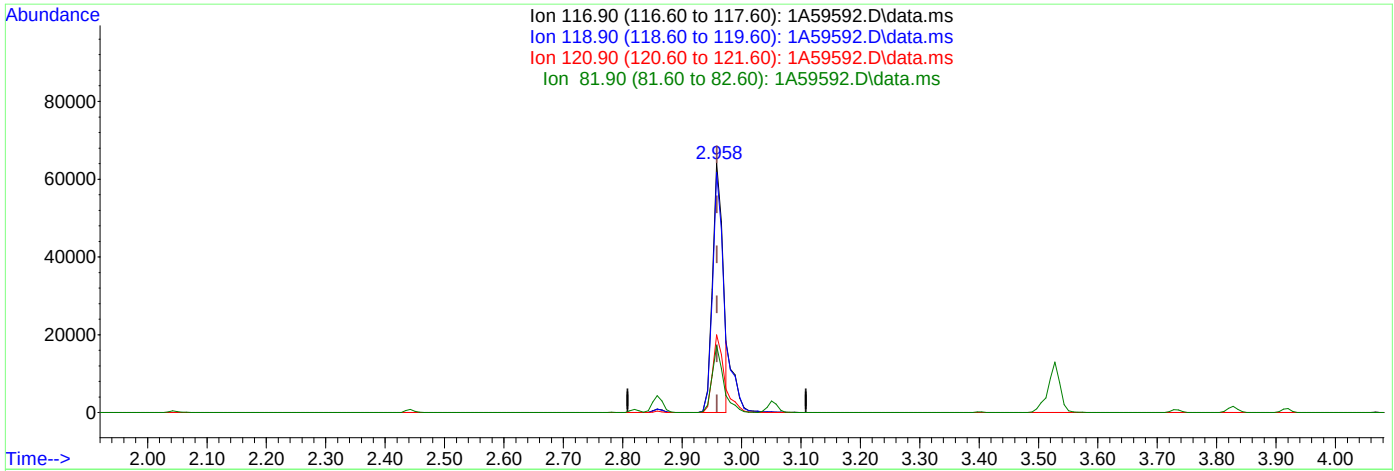
response 91178

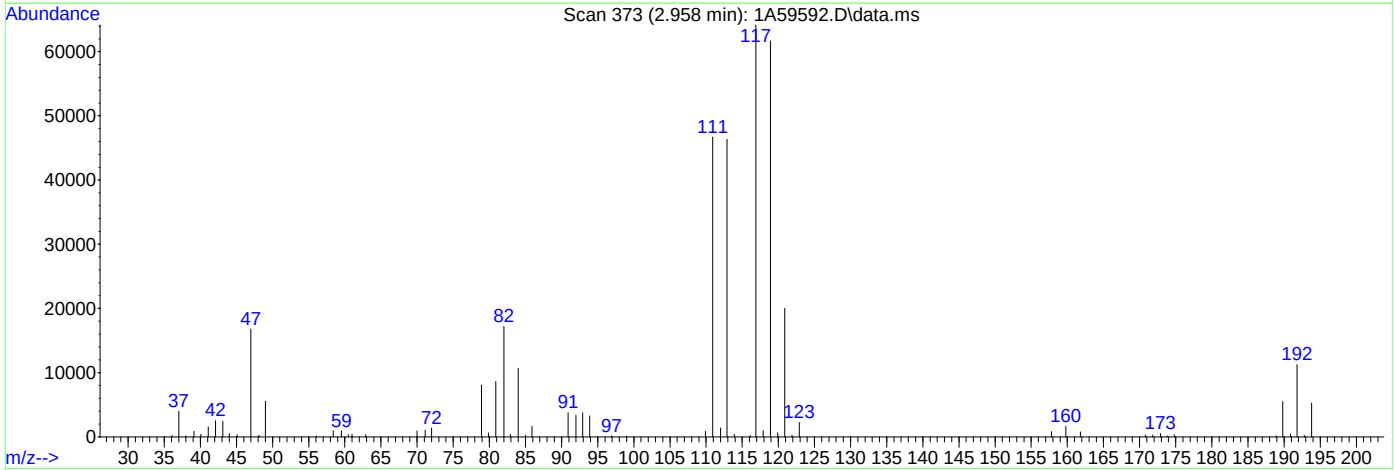
Ion	Exp%	Act%
116.90	100	100
118.90	97.80	96.12
120.90	30.90	31.17
81.90	25.10	26.77

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100124\
Data File : 1A59592.D
Acq On : 1 Oct 2024 6:42 am
Operator : jeniferw
Sample : CC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57600,V1A3062,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 01 07:09:12 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration





TIC: 1A59592.D\data.ms

(40) Carbon Tetrachloride ( )

2.958min (-0.000) 43.16ug/L m

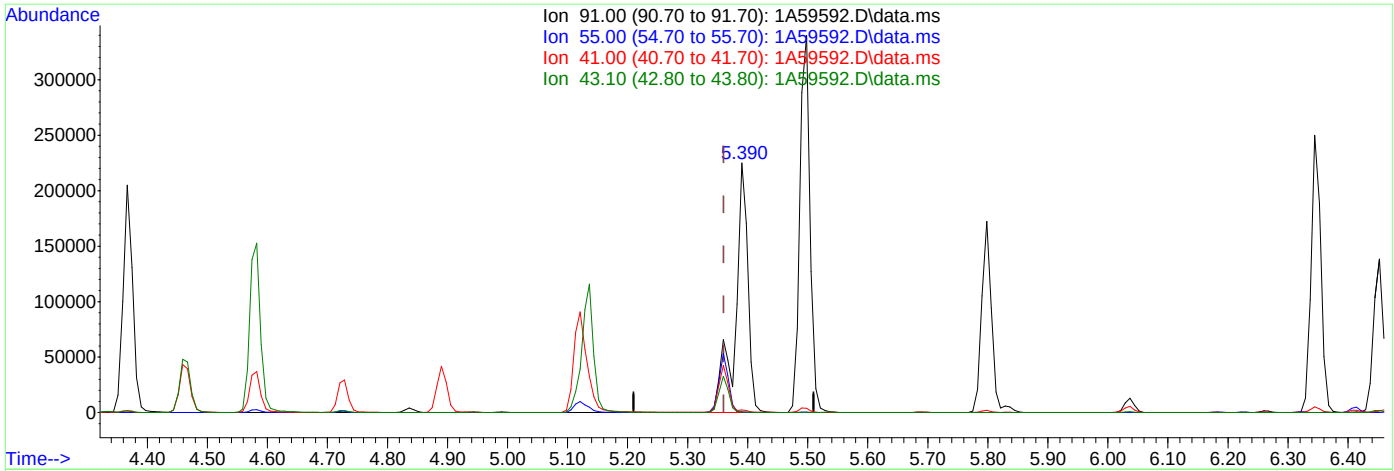
response 78245

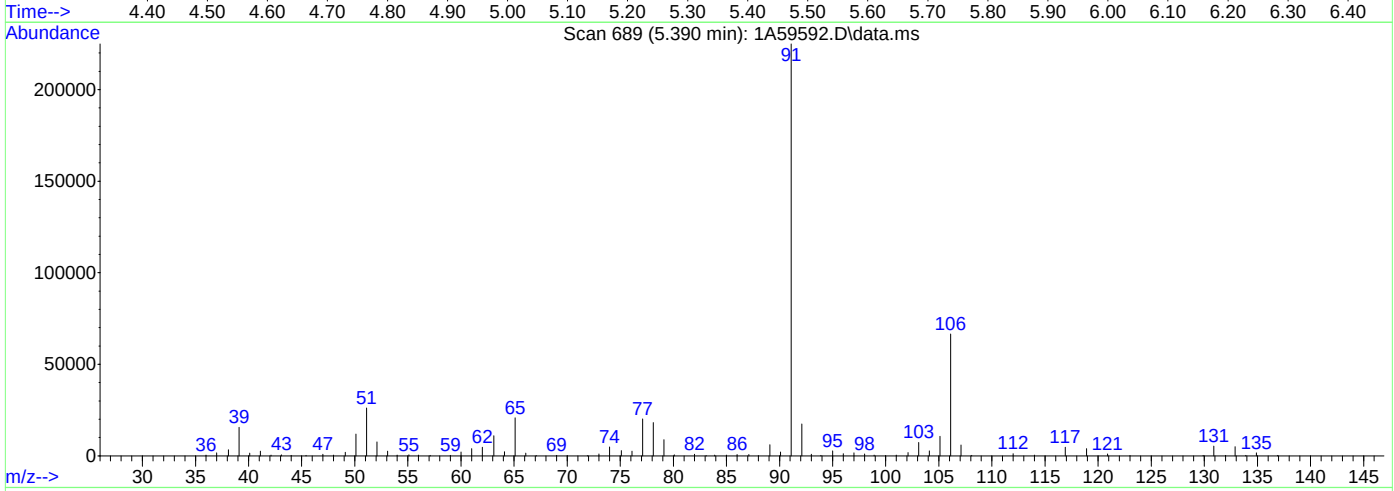
Ion	Exp%	Act%
116.90	100	100
118.90	97.80	96.12
120.90	30.90	31.17
81.90	25.10	26.77

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100124\
Data File : 1A59592.D
Acq On : 1 Oct 2024 6:42 am
Operator : jeniferw
Sample : CC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57600,V1A3062,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 01 07:09:12 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration





TIC: 1A59592.D\data.ms

(76) 1-Chlorohexane

5.390min (+0.030) 174.58ug/L

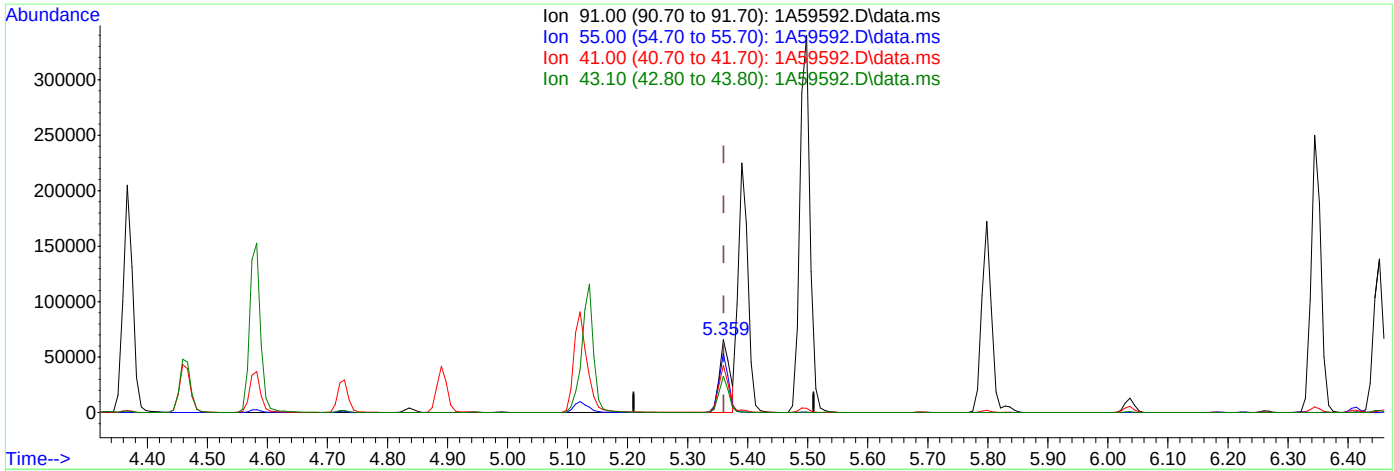
response 331556

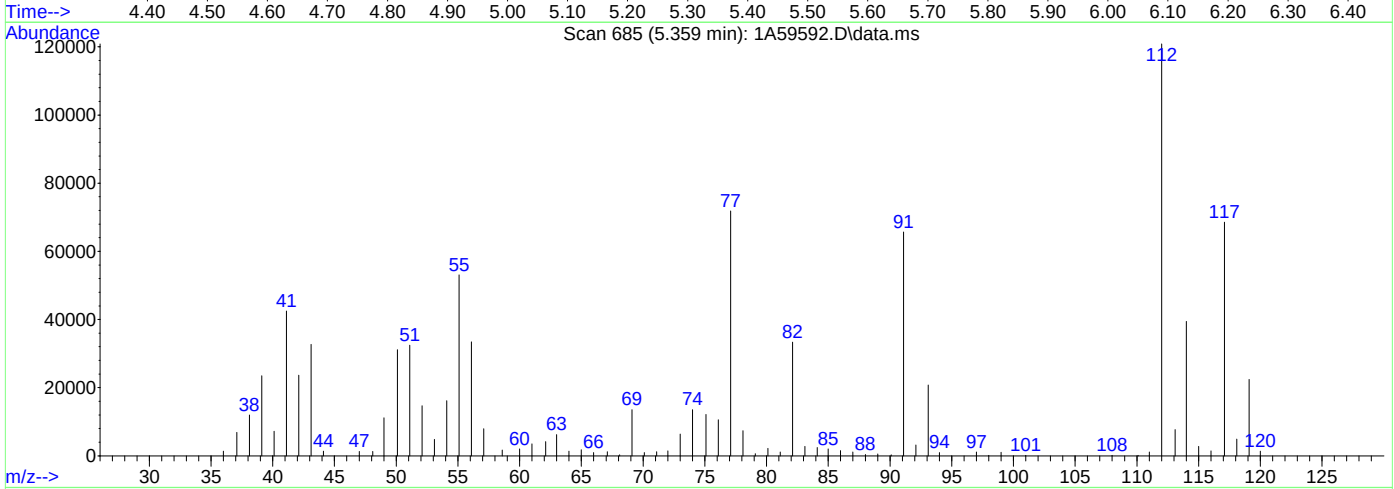
Ion	Exp%	Act%
91.00	100	100
55.00	69.60	0.22#
41.00	56.40	1.03#
43.10	42.00	0.28#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100124\
Data File : 1A59592.D
Acq On : 1 Oct 2024 6:42 am
Operator : jeniferw
Sample : CC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57600,V1A3062,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 01 07:09:12 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration





TIC: 1A59592.D\data.ms

(76) 1-Chlorohexane

5.359min (-0.001) 41.18ug/L m

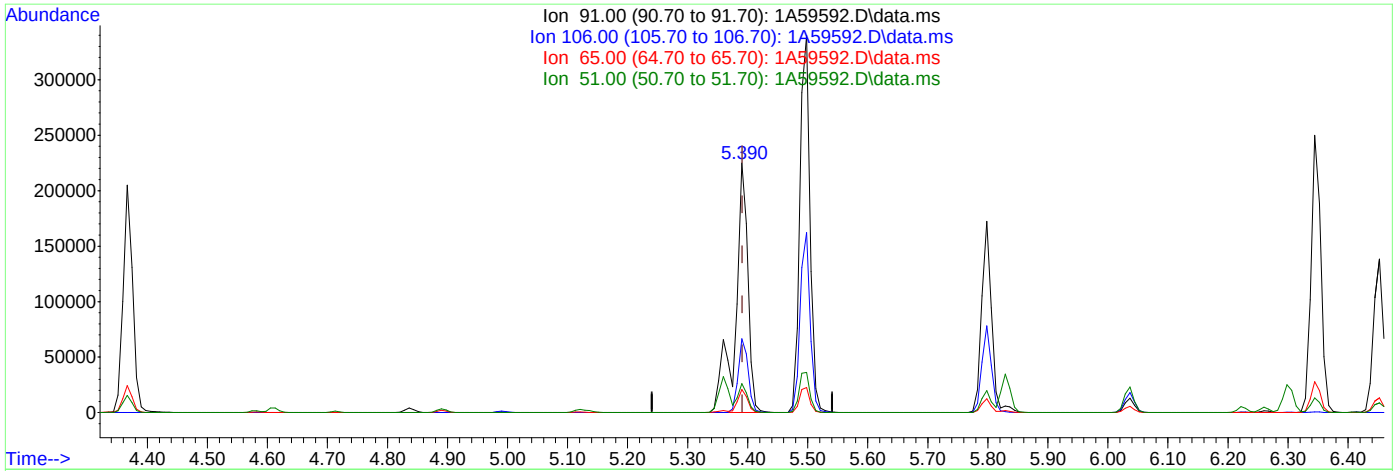
response 78215

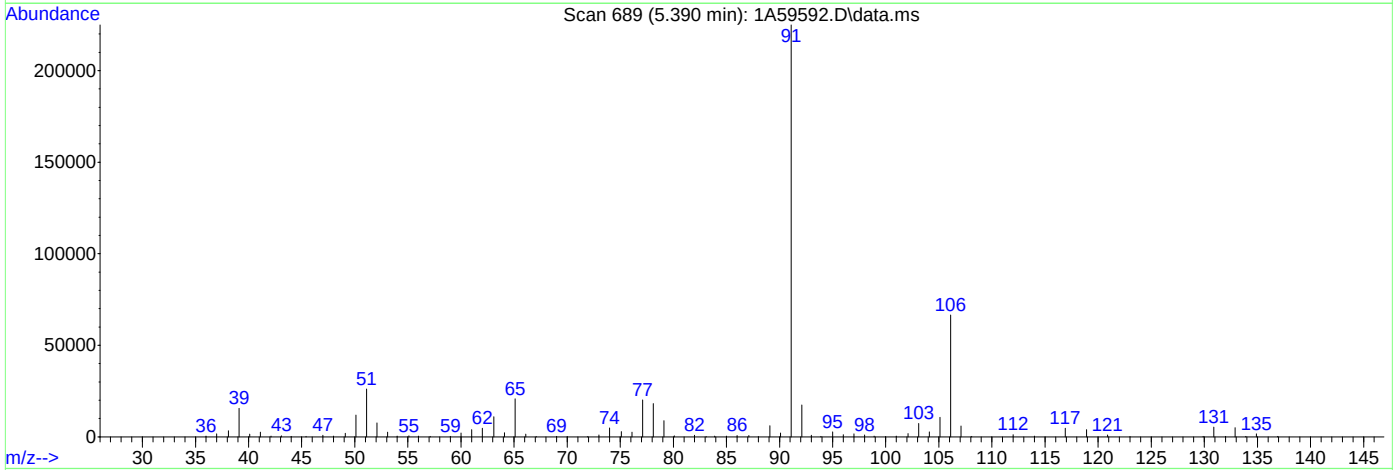
Ion	Exp%	Act%
91.00	100	100
55.00	69.60	80.78
41.00	56.40	64.66
43.10	42.00	49.73

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100124\
Data File : 1A59592.D
Acq On : 1 Oct 2024 6:42 am
Operator : jeniferw
Sample : CC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57600,V1A3062,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 01 07:09:12 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration





TIC: 1A59592.D\data.ms

(77) Ethylbenzene

5.390min (-0.001) 53.85ug/L

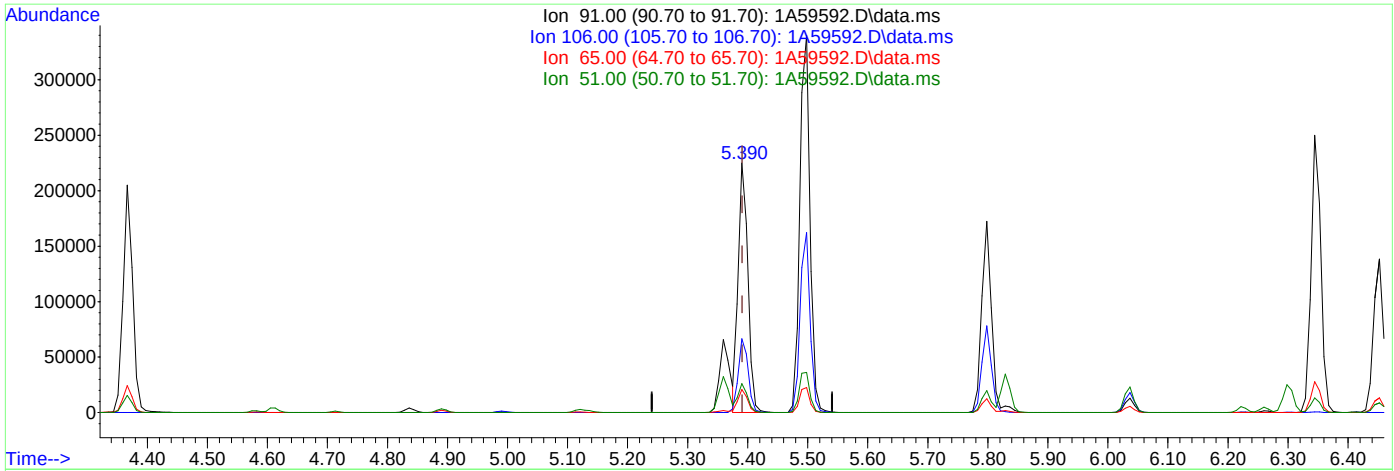
response 331556

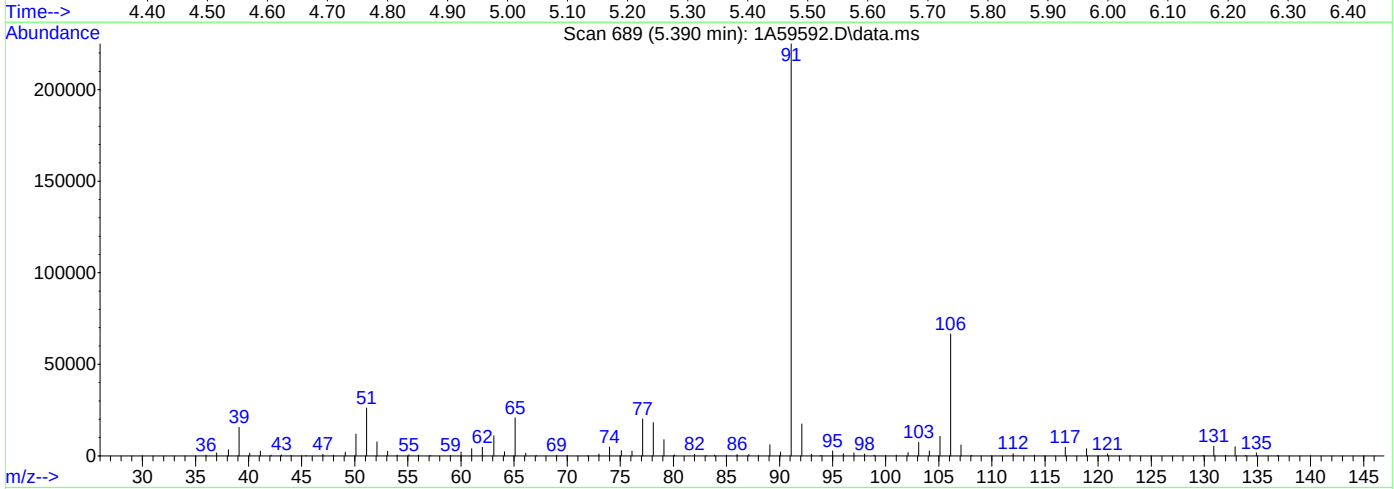
Ion	Exp%	Act%
91.00	100	100
106.00	30.40	29.55
65.00	8.50	9.25
51.00	10.30	11.59

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\100124\
Data File : 1A59592.D
Acq On : 1 Oct 2024 6:42 am
Operator : jeniferw
Sample : CC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57600,V1A3062,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 01 07:09:12 2024
Quant Method : C:\msdchem\1\methods\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration





TIC: 1A59592.D\data.ms

(77) Ethylbenzene

5.390min (-0.001) 41.13ug/L m

response 253225

Ion	Exp%	Act%
91.00	100	100
106.00	30.40	29.55
65.00	8.50	9.25
51.00	10.30	11.59

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
10/04/24 12:04

Quantitation Report (QT Reviewed)

Data Path : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\
Data File : 1A59621.d
Acq On : 1 Oct 2024 6:25 pm
Operator : jeniferw
Sample : ECC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 02 01:33:45 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\method\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.405	96	247216	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.352	117	175495	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.091	152	91092	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	2.951	113	69816	49.51	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.02%			
49) 1,2-Dichloroethane-d4	3.235	65	81278	52.40	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 104.80%			
63) Toluene-d8	4.336	98	241441	48.86	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 97.72%			
86) 4-Bromofluorobenzene	6.229	174	74940	49.99	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.98%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.019	85	69063	50.3194	ug/L	100
3) Chloromethane	1.127	50	59505	47.3874	ug/L	96
4) 1,3-butadiene	1.180	39	45915	40.5776	ug/L	83
5) Vinyl Chloride	1.173	62	60484	43.7276	ug/L	100
6) Bromomethane	1.350	94	32890	44.2500	ug/L	97
7) Chloroethane	1.419	64	34311	36.4450	ug/L	99
8) Trichlorofluoromethane	1.496	101	83409	39.6034	ug/L	99
9) Ethyl Ether	1.650	59	34590	39.5279	ug/L	96
10) Ethanol	1.696	45	5451m	813.1340	ug/L	
11) 1,2-Dichlorotrifluoroe...	1.742	67	60324	41.5030	ug/L	96
12) 1,1-Dichloroethene	1.758	61	78354	44.9892	ug/L	92
13) Freon 113	1.788	101	49713	42.9044	ug/L	96
14) Carbon Disulfide	1.781	76	148817	42.4109	ug/L	97
15) Iodomethane	1.835	142	43312	50.4868	ug/L	97
16) Acrolein	1.904	56	22221	176.3005	ug/L	100
17) Allyl chloride	1.996	41	72527	45.4501	ug/L	98
18) Methylene Chloride	2.042	49	68491	42.9012	ug/L	93
19) Acetone	2.042	43	41157	190.0637	ug/L	98
20) Methyl acetate	2.119	43	115601	194.7696	ug/L	96
21) trans-1,2-Dichloroethene	2.135	61	75576	43.6909	ug/L	96
22) Hexane	2.196	56	47330	43.8669	ug/L #	86
23) Methyl Tert Butyl Ether	2.189	73	107421	40.4821	ug/L	86
24) Acetonitrile	2.266	41	31059	361.1156	ug/L	96
25) Tert Butyl Alcohol	2.204	59	20458	349.5211	ug/L #	1
26) Di-isopropyl ether	2.389	45	158619	45.4117	ug/L	97
27) Chloroprene	2.435	53	143754	43.4766	ug/L	96
28) 1,1-Dichloroethane	2.443	63	97532	43.5355	ug/L	99
29) Acrylonitrile	2.435	52	72561	209.5375	ug/L	98
30) ETBE	2.573	59	144933	44.9408	ug/L	97
31) Vinyl acetate	2.558	43	419143	215.1346	ug/L	98
32) cis-1,2-Dichloroethene	2.720	96	54808	41.6787	ug/L	98
33) 2,2-Dichloropropane	2.781	77	71185	43.5379	ug/L	99
34) Bromochloromethane	2.820	128	26440	40.5532	ug/L	89
35) Cyclohexane	2.858	56	95007	45.7893	ug/L	96
36) Chloroform	2.858	83	100348	43.2672	ug/L	98
37) Ethyl acetate	2.912	43	157311	202.8517	ug/L	99
38) Tetrahydrofuran	2.943	42	8804	37.5881	ug/L	95
40) Carbon Tetrachloride	2.958	117	73579m	42.2091	ug/L	
41) 1,1,1-Trichloroethane	2.981	97	83342	43.8264	ug/L	98
42) 2-Butanone	2.997	43	65290	195.7907	ug/L	99
43) 1,1-Dichloropropene	3.051	75	65889	43.4775	ug/L	94
44) tert-Butyl formate	3.089	59	146656	244.7125	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\
Data File : 1A59621.d
Acq On : 1 Oct 2024 6:25 pm
Operator : jeniferw
Sample : ECC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 02 01:33:45 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\method\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45)	Propionitrile	3.135	54	39661	381.1212	ug/L		99
46)	Methacrylonitrile	3.166	41	207485	405.8992	ug/L		98
47)	Benzene	3.181	78	208560	43.1039	ug/L		94
48)	TAME	3.243	73	108669	41.6971	ug/L		96
50)	1,2-Dichloroethane	3.274	62	70339	43.1884	ug/L		97
51)	Isobutyl Alcohol	3.251	43	56433	847.5509	ug/L		92
52)	Tert Amyl Alcohol	3.320	59	13735	328.3030	ug/L		95
53)	Trichloroethene	3.505	95	57029	41.9026	ug/L		94
54)	Methylcyclohexane	3.528	83	89374	44.1223	ug/L		98
55)	Dibromomethane	3.728	93	30411	40.5071	ug/L		96
56)	1,2-Dichloropropane	3.789	63	54617	42.8285	ug/L		96
57)	Bromodichloromethane	3.828	83	71298	44.3842	ug/L		98
58)	Methyl methacrylate	3.913	41	28376	42.2487	ug/L		93
59)	1,4-Dioxane	3.936	88	3778	698.6196	ug/L		81
60)	2-Chloroethyl vinyl ether	4.159	63	100407	218.3126	ug/L		94
61)	cis-1,3-Dichloropropene	4.205	75	78594	44.2193	ug/L		94
64)	Toluene	4.367	91	218909	41.3877	ug/L		99
65)	2-Nitropropane	4.459	41	43782	192.0389	ug/L		97
66)	4-Methyl-2-pentanone	4.574	43	153998	187.6871	ug/L		98
67)	trans-1,3-Dichloropropene	4.613	75	67319	38.8383	ug/L		97
68)	Tetrachloroethene	4.628	166	67926	45.5116	ug/L		96
69)	Ethyl methacrylate	4.728	69	40647	35.1016	ug/L		95
70)	1,1,2-Trichloroethane	4.713	83	31709	39.5474	ug/L		98
71)	Dibromochloromethane	4.836	129	47195	43.3464	ug/L		96
72)	1,3-Dichloropropane	4.890	76	65465	40.7472	ug/L		95
73)	1,2-Dibromoethane	4.990	107	37762	40.6845	ug/L		95
74)	3,3-Dimethyl-1-Butanol	5.121	57	114850	1739.6015	ug/L		98
75)	2-hexanone	5.136	43	119729	178.5052	ug/L		89
76)	1-Chlorohexane	5.360	91	74508m	40.7846	ug/L		
77)	Ethylbenzene	5.390	91	242056m	40.8687	ug/L		
78)	Chlorobenzene	5.360	112	137693	40.5783	ug/L		97
79)	1,1,1,2-Tetrachloroethane	5.406	131	47666	44.1877	ug/L		97
80)	m,p-Xylene	5.498	91	385384	85.5254	ug/L		100
81)	o-Xylene	5.798	91	193053	42.4422	ug/L		97
82)	Styrene	5.829	104	141387	43.6745	ug/L		97
83)	Bromoform	5.837	173	25535	41.8647	ug/L		96
84)	Isopropylbenzene	6.037	105	222535	42.3854	ug/L		99
87)	cis-1,4-Dichloro-2-butene	6.260	53	12204	44.1612	ug/L		91
88)	n-Propylbenzene	6.345	91	276927	41.9263	ug/L		96
89)	Bromobenzene	6.298	156	54990	40.5674	ug/L		91
90)	1,1,2,2-Tetrachloroethane	6.368	83	36889	38.1993	ug/L		97
91)	1,3,5-Trimethylbenzene	6.499	105	183636	44.4650	ug/L		97
92)	2-Chlorotoluene	6.452	91	152726	41.7545	ug/L		98
93)	trans-1,4-Dichloro-2-B...	6.499	53	16636	44.4046	ug/L		96
94)	1,2,3-Trichloropropane	6.460	110	10963	39.7874	ug/L		88
95)	Cyclohexanone	6.476	55	3645	176.6470	ug/L		96
96)	4-Chlorotoluene	6.576	91	162503	43.1800	ug/L		96
97)	tert-Butylbenzene	6.745	91	109403	43.9354	ug/L		98
98)	1,2,4-Trimethylbenzene	6.799	105	172386	44.1950	ug/L		97
99)	Pentachloroethane	6.745	167	23183	38.1768	ug/L	#	81
100)	sec-Butylbenzene	6.883	105	225706	42.6550	ug/L		97
101)	4-Isopropyltoluene	7.007	119	186785	43.7462	ug/L		98
102)	1,3-Dichlorobenzene	7.030	146	95914	40.1220	ug/L		96
103)	1,2,3-Trimethylbenzene	7.137	105	165862	42.2057	ug/L		98
104)	1,4-Dichlorobenzene	7.099	146	95506	40.2304	ug/L		95
105)	n-Butylbenzene	7.338	92	85972	40.0045	ug/L		98
106)	Benzyl Chloride	7.291	126	10357	35.6464	ug/L		99
107)	1,2-Dichlorobenzene	7.422	146	83096	40.0835	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\
Data File : 1A59621.d
Acq On : 1 Oct 2024 6:25 pm
Operator : jeniferw
Sample : ECC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 02 01:33:45 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\method\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) 1,2-Dibromo-3-Chloropr...	7.999	75	5097	41.1014	ug/L #	83
109) Hexachlorobutadiene	8.507	225	22727	40.8718	ug/L	93
110) 1,2,4-Trichlorobenzene	8.500	180	39271	39.7404	ug/L	95
111) Naphthalene	8.707	128	65674	37.2649	ug/L	99
112) 1,2,3-Trichlorobenzene	8.831	180	30349	39.4954	ug/L	97

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

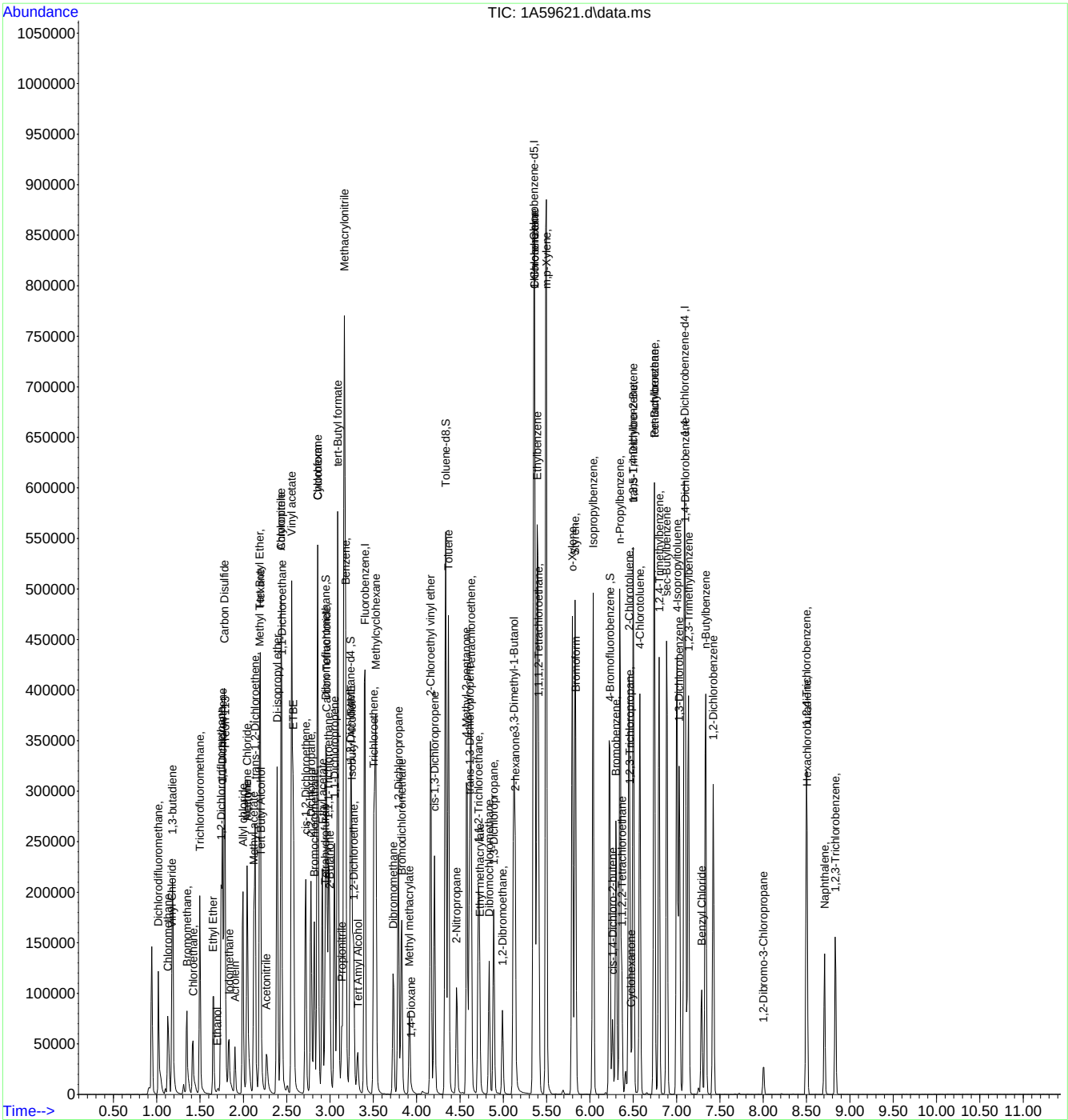
7.6.12

7

Quantitation Report (QT Reviewed)

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Data File : 1A59621.d
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Operator : jeniferw
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Misc : MS57609,V1A3062,,,,,
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 02 01:33:45 2024
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Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
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Manual Integration Approval Summary

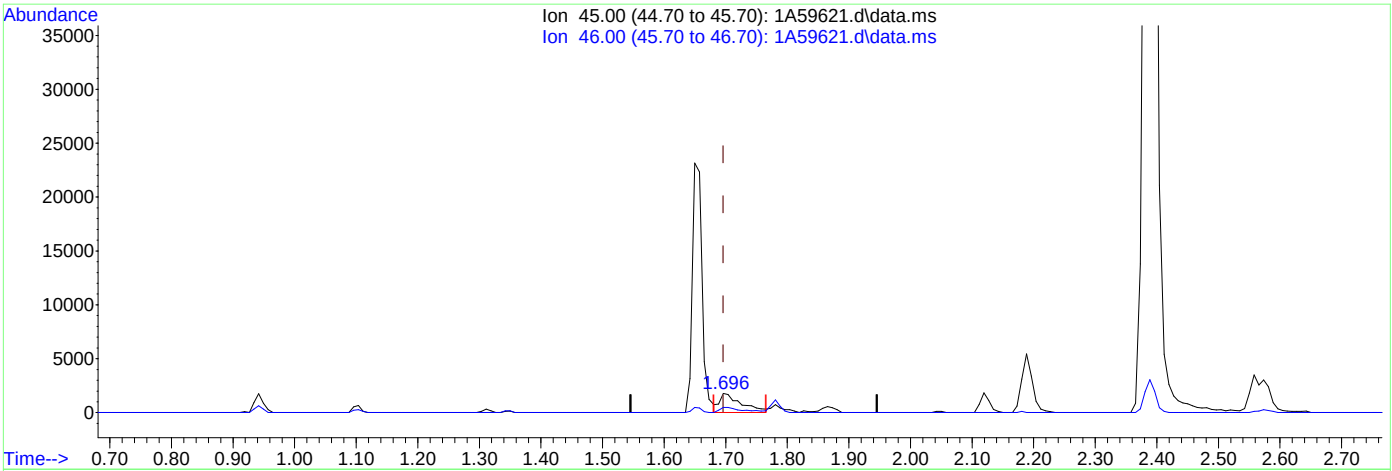
Sample Number: V1A3062-ECC3047 **Method:** SW846 8260D
Lab FileID: 1A59621.D **Analyst approved:** 10/01/24 21:57 Jhenelle Bondal
Injection Time: 10/01/24 18:25 **Supervisor approved:** 10/04/24 12:04 Karen Watson

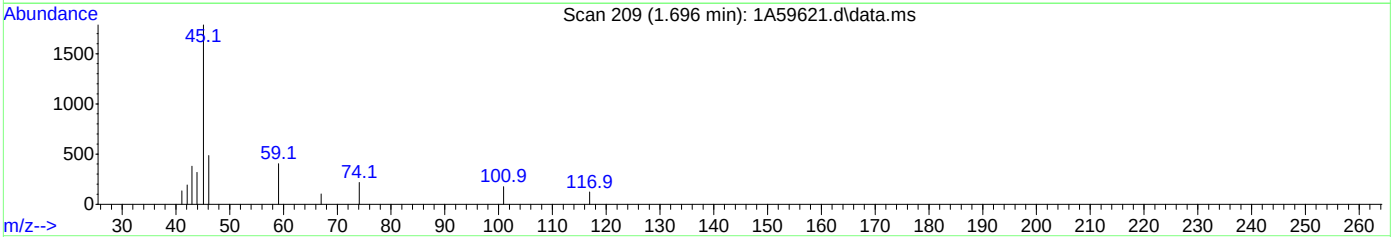
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		1.70	Poorly defined baseline
Carbon Tetrachloride	56-23-5		2.96	Overlapping peak
1-Chlorohexane	544-10-5		5.36	Poorly defined baseline
Ethylbenzene	100-41-4		5.39	Poorly defined baseline

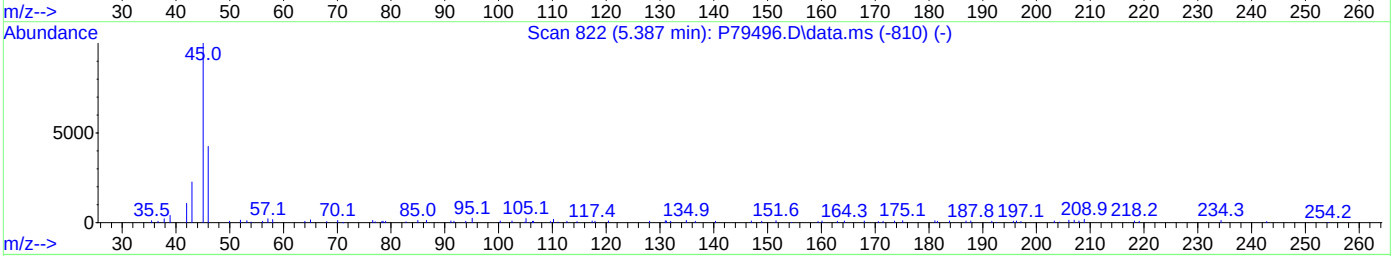
Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\
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Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
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TIC: 1A59621.d\data.ms

(10) Ethanol

1.696min (+0.000) 660.07ug/L

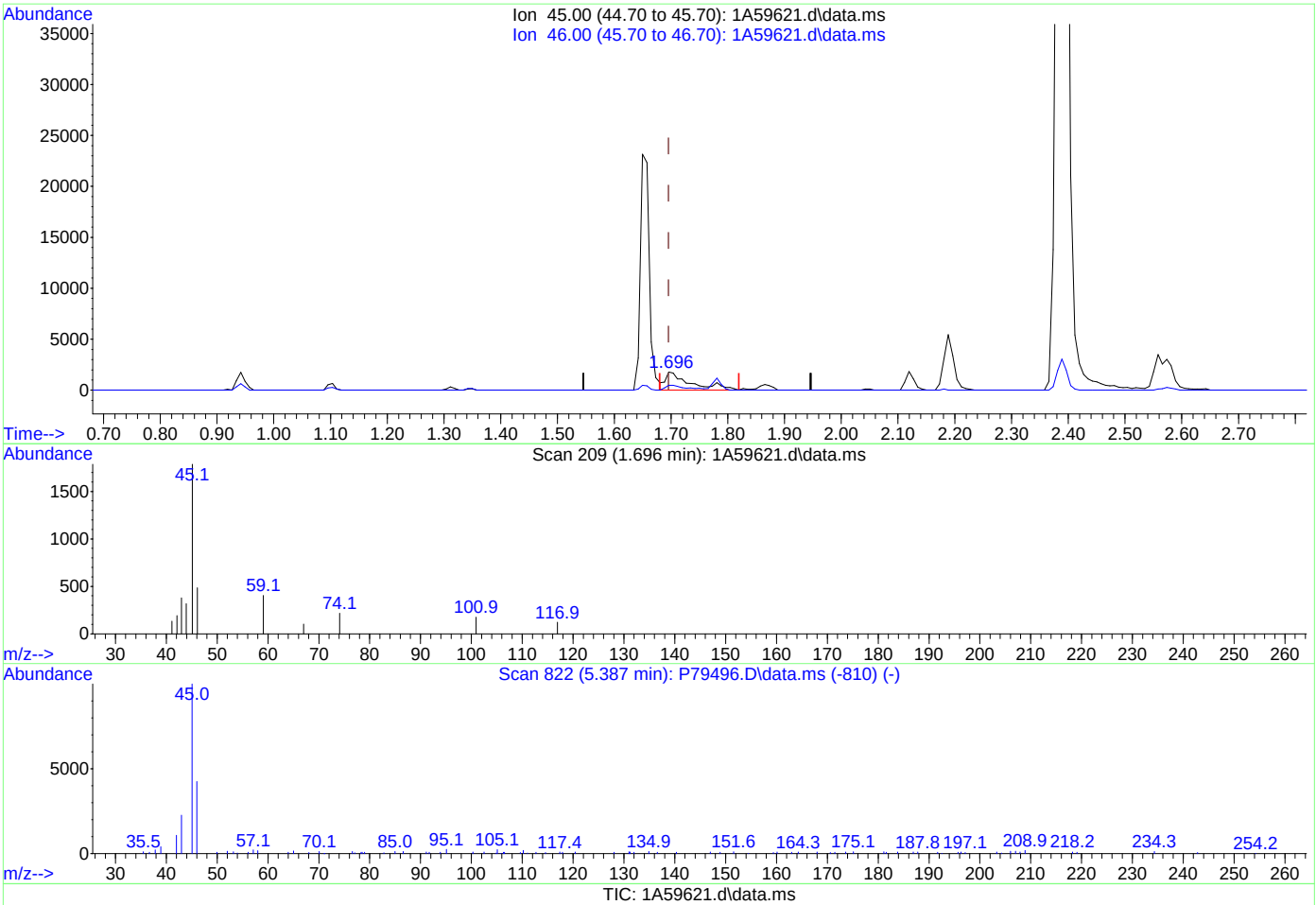
response 4414

Ion	Exp%	Act%
45.00	100	100
46.00	35.50	33.36
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\
Data File : 1A59621.d
Acq On : 1 Oct 2024 6:25 pm
Operator : jeniferw
Sample : ECC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 02 01:27:08 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\method\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration



TIC: 1A59621.d\data.ms

(10) Ethanol

1.696min (+0.000) 813.13ug/L m

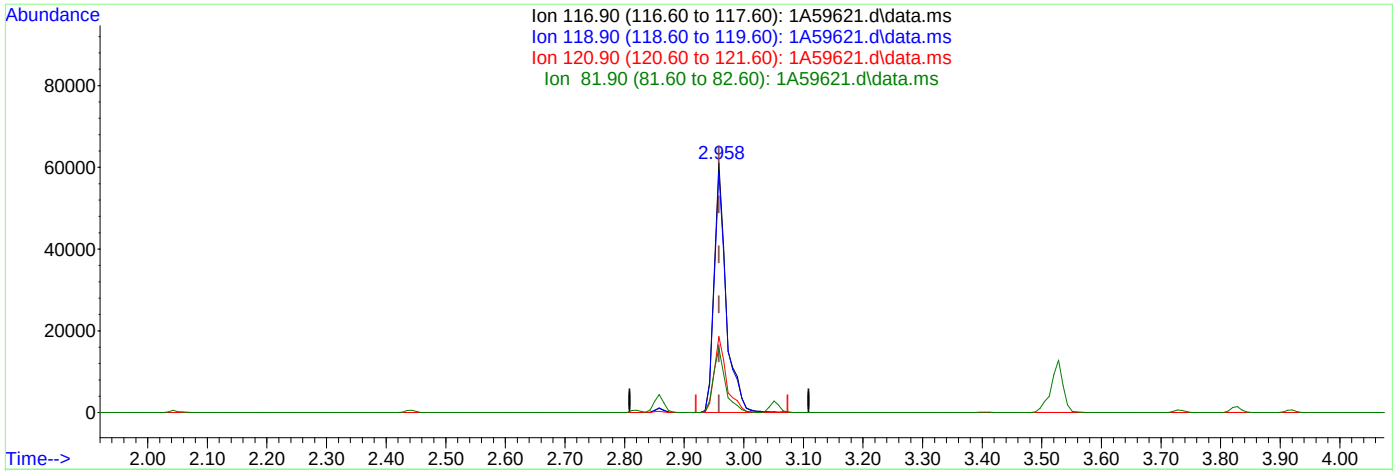
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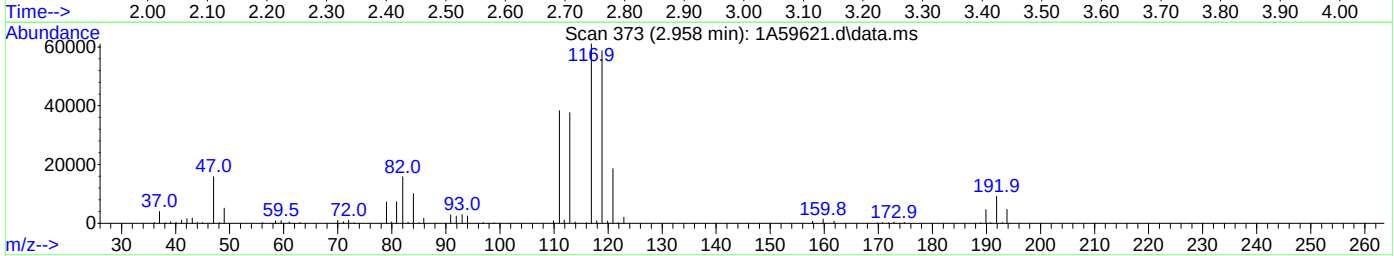
Ion	Exp%	Act%
45.00	100	100
46.00	35.50	27.18
0.00	0.00	0.00
0.00	0.00	0.00

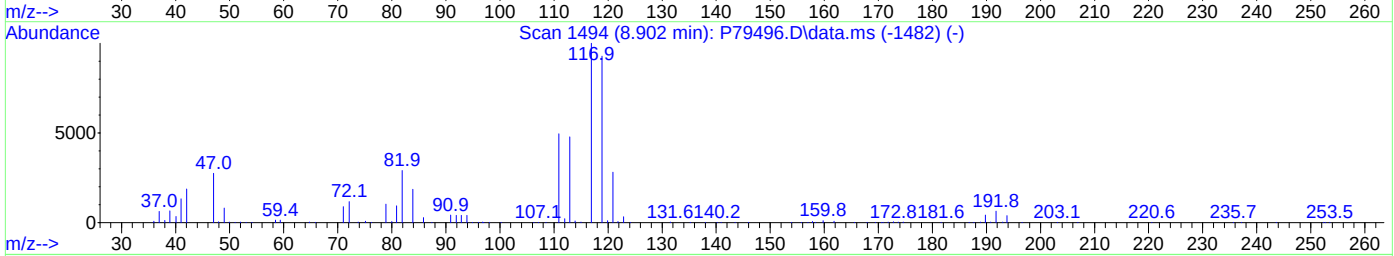
Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\
Data File : 1A59621.d
Acq On : 1 Oct 2024 6:25 pm
Operator : jeniferw
Sample : ECC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 02 01:27:08 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\method\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration







TIC: 1A59621.d\data.ms

(40) Carbon Tetrachloride ( )

2.958min (-0.000) 49.24ug/L

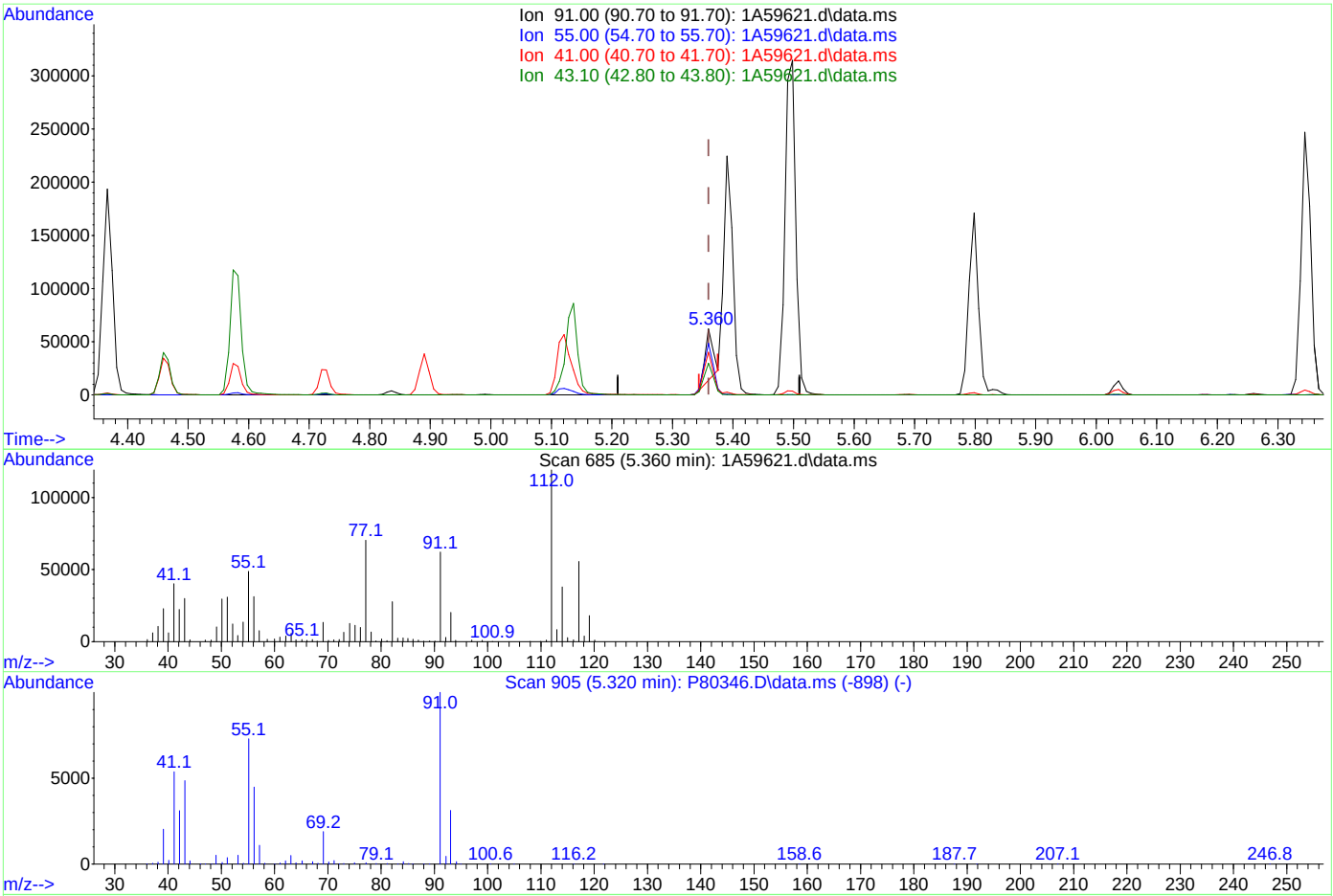
response 85840

Ion	Exp%	Act%
116.90	100	100
118.90	97.80	96.20
120.90	30.90	30.43
81.90	25.10	25.90

Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\
Data File : 1A59621.d
Acq On : 1 Oct 2024 6:25 pm
Operator : jeniferw
Sample : ECC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 02 01:27:08 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\method\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration



TIC: 1A59621.d\data.ms

(76) 1-Chlorohexane

5.360min (-0.000) 26.77ug/L

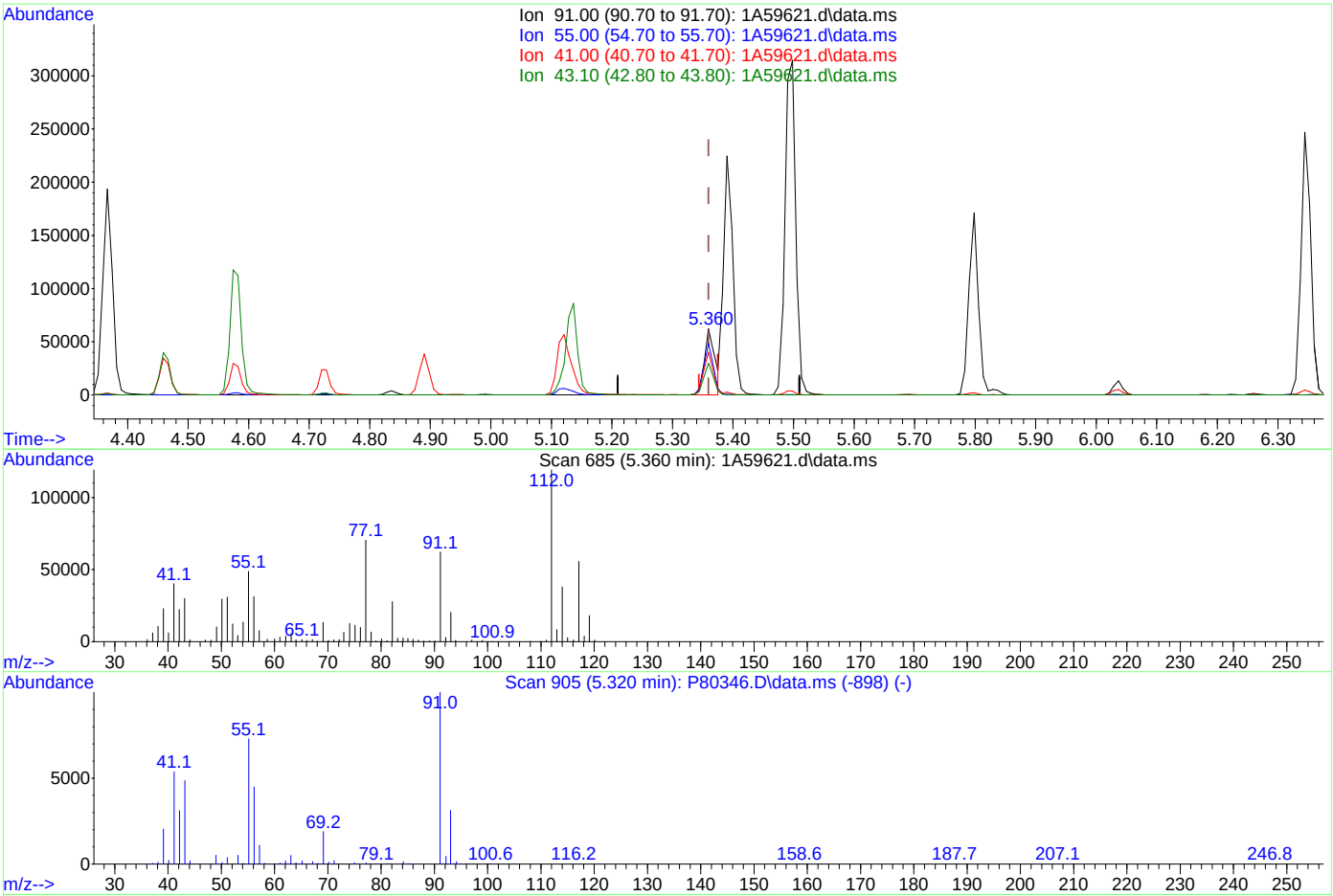
response 48901

Ion	Exp%	Act%
91.00	100	100
55.00	69.60	74.56
41.00	56.40	61.87
43.10	42.00	46.52

Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\
Data File : 1A59621.d
Acq On : 1 Oct 2024 6:25 pm
Operator : jeniferw
Sample : ECC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 02 01:27:08 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\method\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration



TIC: 1A59621.d\data.ms

(76) 1-Chlorohexane

5.360min (-0.000) 40.78ug/L m

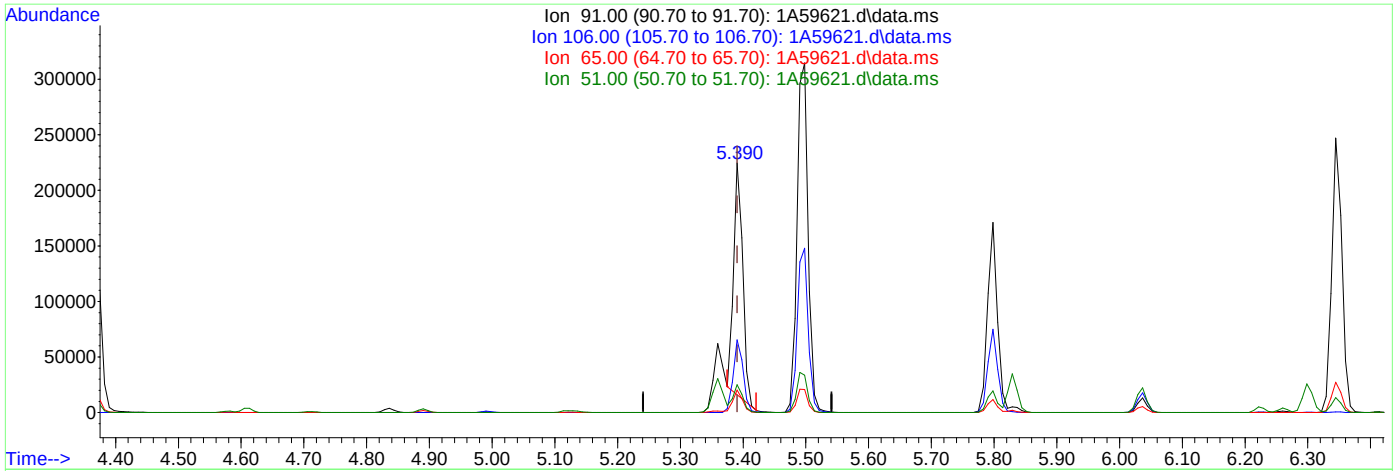
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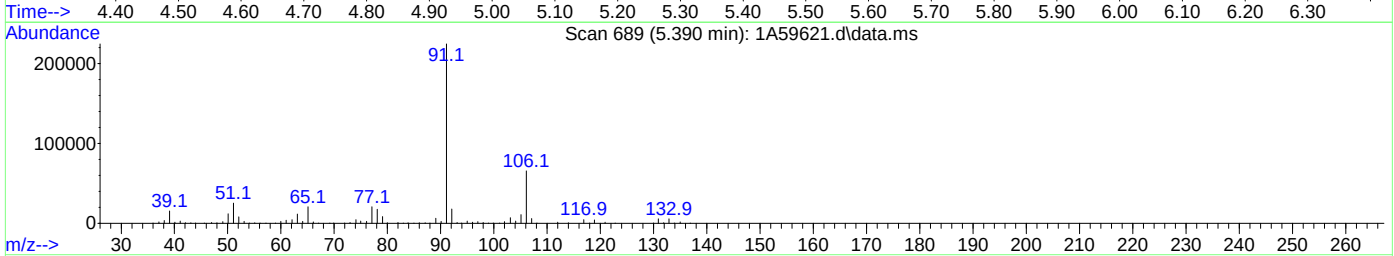
Ion	Exp%	Act%
91.00	100	100
55.00	69.60	78.29
41.00	56.40	64.62
43.10	42.00	48.29

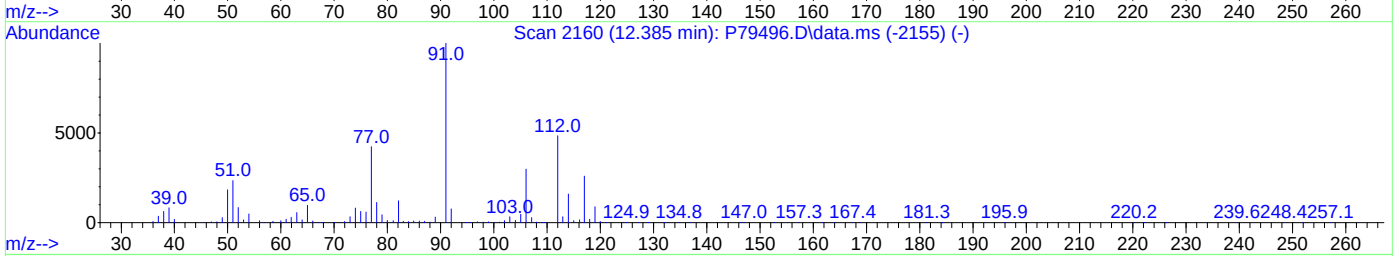
Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\
Data File : 1A59621.d
Acq On : 1 Oct 2024 6:25 pm
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Sample : ECC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 02 01:27:08 2024
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Quant Title : SW-846 Method 5030/8260D & EPA 624.1
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Response via : Initial Calibration







TIC: 1A59621.d\data.ms

(77) Ethylbenzene

5.390min (-0.001) 34.86ug/L

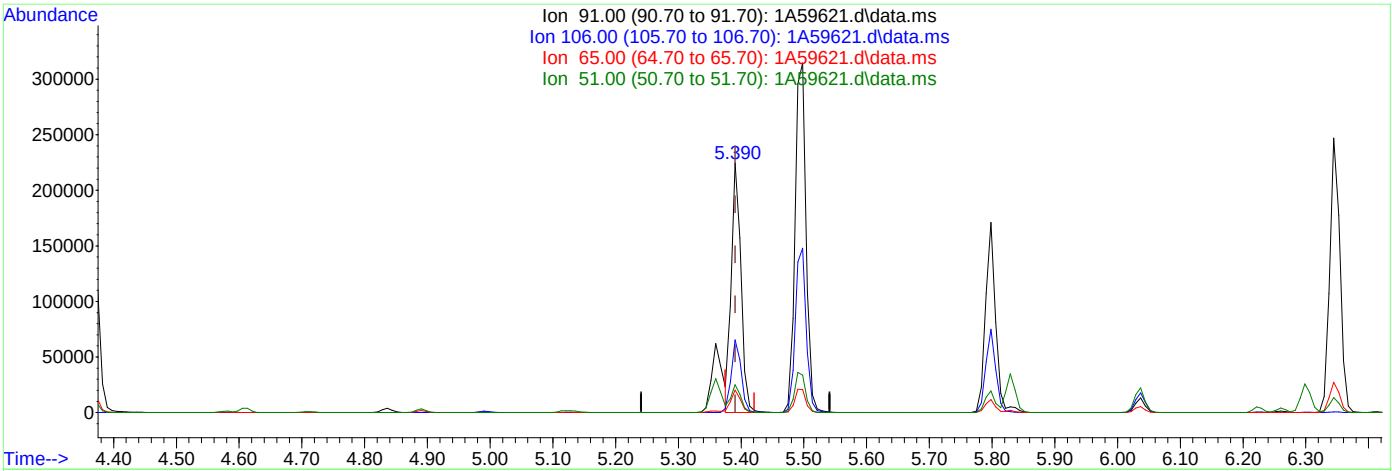
response 206443

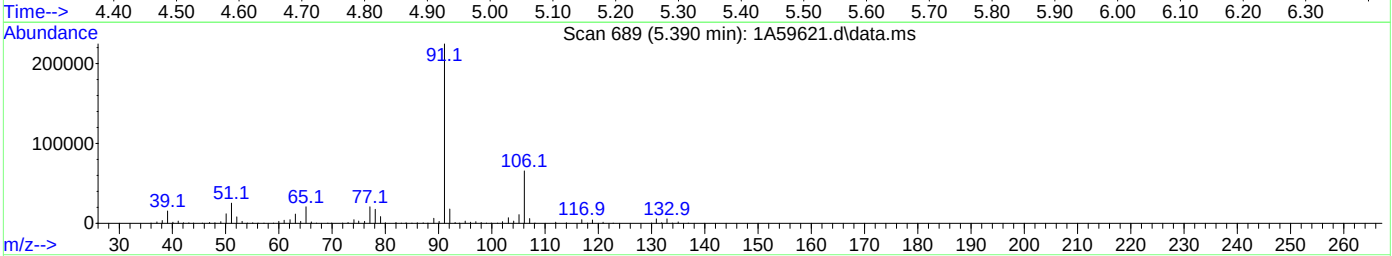
Ion	Exp%	Act%
91.00	100	100
106.00	30.40	29.15
65.00	8.50	9.07
51.00	10.30	11.04

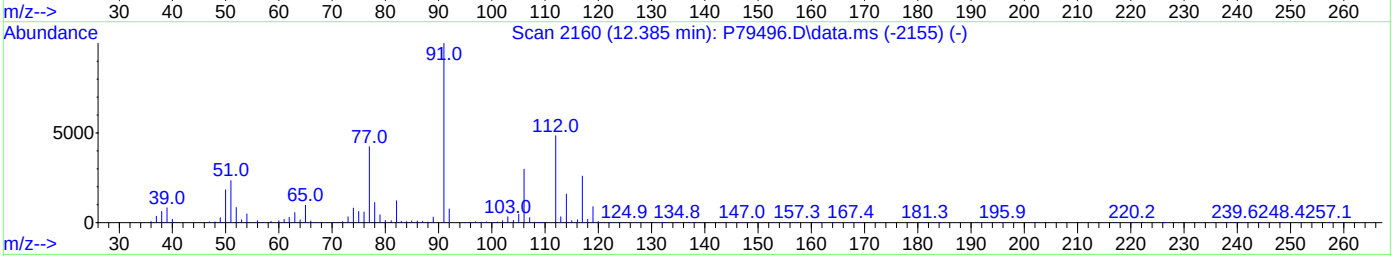
Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\
Data File : 1A59621.d
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Quant Time: Oct 02 01:27:08 2024
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TIC: 1A59621.d\data.ms

(77) Ethylbenzene

5.390min (-0.001) 40.87ug/L m

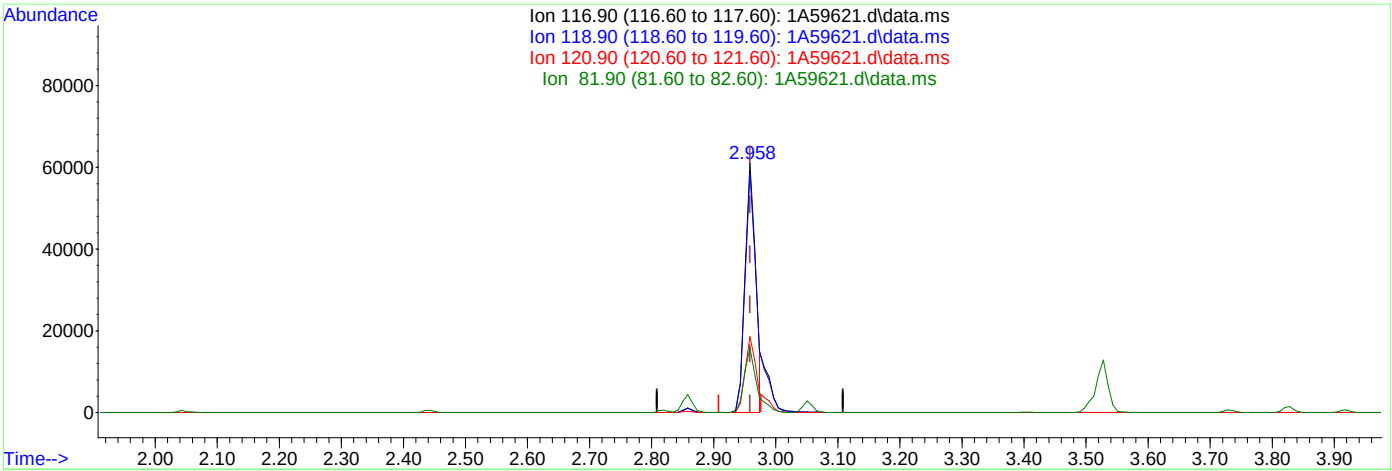
response 242056

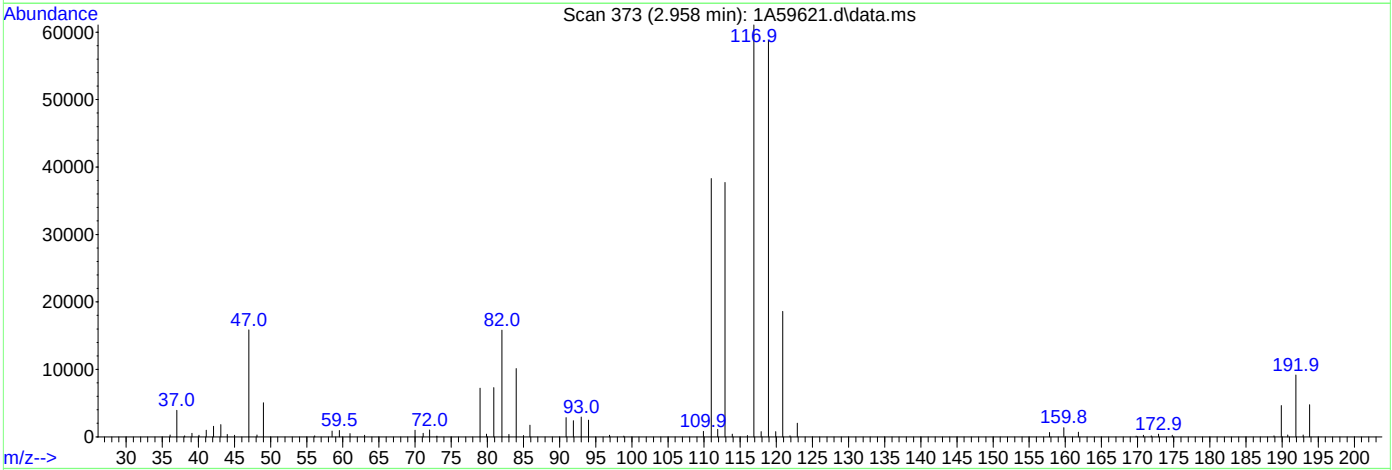
Ion	Exp%	Act%
91.00	100	100
106.00	30.40	29.15
65.00	8.50	9.08
51.00	10.30	11.12

Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\
Data File : 1A59621.d
Acq On : 1 Oct 2024 6:25 pm
Operator : jeniferw
Sample : ECC3047-5 Inst : MSVOA17-1A_2A
Misc : MS57609,V1A3062,,,,,
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 02 01:33:45 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-02-2024\V1A3062\method\V1A3047_09182024.M
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Wed Sep 18 13:49:10 2024
Response via : Initial Calibration





TIC: 1A59621.d\data.ms

(40) Carbon Tetrachloride ( )

2.958min (-0.000) 42.21ug/L m

response 73579

Ion	Exp%	Act%
116.90	100	100
118.90	97.80	96.20
120.90	30.90	30.43
81.90	25.10	25.90

SGS -ORLANDO **VOA-GCMS ANALYSIS LOG**

Instrument:	MSVOA17-1A
Date:	09/18/2024
Analyst:	Jenifer W
Column Type	RTXVMS
Detector	5975C-MSD
Purge Pressure	1.4 psi
Purge Volume	5mL

Method(s):	VMS8260
Method File:	V1A3047_09182024.M
Calibration Date:	09/18/2024
Acq. Method:	VA_8260.M
EM Voltage:	1576V
Run ID:	**V1A3047**

BFB:	VS4238
ICAL/CC:	VS4193, VS4237, VS4227
VS4248, VS4228, VS4247,VS4241,,	
ICV/BS:	VS4249, VS4240, VS4223
VS4213, VS4224, VS4242,	
ISTD/Surr.:	VS4238

pH Paper Lot#:	230320A/211623A
KI Paper Lot#:	14-860 03/13/23
AFA Lot#:	VS4236
Data processed by:	Jenifer W/Lotusa
Sample ID Ver. by:	Jenifer W
Date Verified:	09/18/2024

Data File	Sample ID	Dilution Factor	Vial #	Matrix	A.S. Pos.	Work Group	pH	CI? (Y/N)	RR	Comments and Manually Integrated Peaks (Peak # and Rational)
1A59227	BFB	-	-	Water	1	-	-	-	-	Autofind tune passed✓
1A59229	IC3047-1	-	-	Water	2	-	-	-	-	1uL→100mL PBL#75,76 MP#4,6,15,16,34,52,65,70,83,94,104,109
1A59231	IC3047-8	-	-	Water	3	-	-	-	-	2uL→100mL OP#40,76,77 MP#15,38,52,94,104,106,108
1A59233	IC3047-2	-	-	Water	4	-	-	-	-	5uL→100mL OP#40,76,77 MP#10,59,87,94,95,106,108
1A59235	IC3047-3	-	-	Water	5	-	-	-	-	10uL→100mL OP#40,76,77 MP#59,95,108
1A59237	IC3047-4	-	-	Water	6	-	-	-	-	25uL→100mL PBL#10 OP#40,76,77
1A59239	IC3047-5	-	-	Water	7	-	-	-	-	40uL→100mL PBL#10 OP#40,76,77
1A59241	IC3047-6	-	-	Water	8	-	-	-	-	70uL→100mL OP#40,76,77
1A59243	IC3047-7	-	-	Water	9	-	-	-	-	100uL→100mL PBL#10 OP#40,76,77
1A59245	rinse	-	-	Water	10	-	-	-	-	
1A59247	rinse	-	-	Water	11	-	-	-	-	
1A59249	ICV3047-5	-	-	Water	12	-	-	-	-	40uL→100mL PBL#10 OP#40,76,77 ✓
1A59251	ICV3047-4	-	-	Water	13	-	-	-	-	25uL→100mL
1A59251A	BS	-	-	Water	13	-	-	-	-	25uL→100mL PBL#10 OP#40,76,77 ✓
1A59253	rinse	-	-	Water	14	-	-	-	-	
1A59255	rinse	-	-	Water	15	-	-	-	-	
1A59257	MB	-	-	Water	16	-	-	-	-	AFA
1A59259	FC18845-2	250X	2	Water	17	MS57522	1	N	500x	200uL→50mL xylenes OR
1A59261	FC18845-3	200X	2	Water	18	MS57522	1	N	-	250uL→50mL Ecombine
1A59263	FC18845-4	250X	2	Water	19	MS57522	1	N	500x	200uL→50mL xylenes OR
1A59265	FC18845-6	250X	2	Water	20	MS57522	1	N	-	200uL→50mL Ecombine
1A59267	FC18845-16	100X	2	Water	21	MS57522	1	N	-	500uL→50mL Ecombine
1A59269	FC18845-17	200X	2	Water	22	MS57522	1	N	-	250uL→50mL Ecombine
1A59271	FC18845-2MS	250X	2	Water	23	MS57522	1	N	-	400uL→100mL spike 25uL→100mL PBL#10 OP#40,76,77
1A59273	FC18845-2MSD	250X	2	Water	24	MS57522	1	N	-	400uL→100mL spike 25uL→100mL PBL#10 OP#40,76,77
1A59275	ECC3047-5	-	-	Water	25	-	-	-	-	40uL→100mL PBL#10 OP#40,76,77

Matrix: Designate "W" for Water "S" for soil, "O" for Oil, "Liq" for Non-aquous Liquid, and "TCLP" or "SPLP" for Leachate
Manual Integration Rational SOP QA029: MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PII Poor Instrument

SGS -ORLANDO

VOA-GCMS ANALYSIS LOG

Instrument:	MSVOA17-1A
Date:	10/01/2024
Analyst:	Jenifer W
Column Type	RTXVMS
Detector	5975C-MSD
Purge Pressure	1.4 psi
Purge Volume	5mL

Method(s):	VMS8260
Method File:	V1A3047_09182024.M
Calibration Date:	09/18/2024
Acq. Method:	VA_8260.M
EM Voltage:	1576V
Run ID:	**V1A3062**

BFB:	VS4238
ICAL/CC:	VS4264, VS4271, VS4280
VS4248, VS4253, VS4277,VS4278,,	
ICV/BS:	VS4249, VS4240, VS4265
VS4250, VS4266, VS4279,	
ISTD/Surr.:	VS4238

pH Paper Lot#:	230320A/211623A
KI Paper Lot#:	14-860 03/13/23
AFA Lot#:	VS4236
Data processed by:	Jenifer W/LauraB/JhenelleB
Sample ID Ver. by:	Jenifer W
Date Verified:	10/01/2024

Data File	Sample ID	Dilution Factor	Vial #	Matrix	A.S. Pos.	Work Group	pH	CI? (Y/N)	RR	Comments and Manually Integrated Peaks (Peak # and Rational)
1A59591	BFB	-	-	Water	1	-	-	-	-	Autofind tune passed✓
1A59592	CC3047-5	-	-	Water	2	-	-	-	-	40uL→100mL OP#40,76,77 PBL✓
1A59593	BS	-	-	Water	3	-	-	-	-	25uL→100mL OP#40,76,77 PBL#10✓
1A59594	rinse	-	-	Water	4	-	-	-	-	
1A59595	rinse	-	-	Water	5	-	-	-	-	
1A59596	MB	-	-	Water	6	-	-	-	-	AFA, ND✓
1A59597	FC19141-9	-	1	Water	7	MS57609	1	N	-	ND✓
1A59598	FC19116-7	-	1	Water	8	MS57609	1	N	-	ND✓
1A59599	FC19164-5	-	1	Water	9	MS57609	1	N	-	ND✓
1A59600	**FC19116-1**	-	1	Water	10	MS57609	1	N	**1x**	**ND; Surr out; IS low- Autosampler error- did not pull enough sample from vial**
1A59601	FC19116-2	-	1	Water	11	MS57609	1	N	-	✓
1A59602	FC19116-3	2.5X	1	Water	12	MS57609	1	N	-	20mL→50mL✓
1A59603	FC19116-4	-	1	Water	13	MS57609	1	N	-	✓
1A59604	FC19116-5	-	1	Water	14	MS57609	1	N	-	✓
1A59605	FC19116-6	-	1	Water	15	MS57609	1	N	-	✓
1A59606	FC19116-8	-	1	Water	16	MS57609	1	N	-	ND✓
1A59607	FC19141-1	-	1	Water	17	MS57609	1	N	-	✓
1A59608	FC19141-2	-	1	Water	18	MS57609	1	N	-	✓
1A59609	FC19141-3	-	1	Water	19	MS57609	1	N	-	AFA, ND✓
1A59610	FC19141-4	-	1	Water	20	MS57609	1	N	-	✓
1A59611	FC19141-5	-	1	Water	21	MS57609	1	N	-	✓
1A59612	FC19141-6	-	1	Water	22	MS57609	1	N	-	✓
1A59613	FC19141-7	-	1	Water	23	MS57609	1	N	-	✓
1A59614	FC19141-8	-	1	Water	24	MS57609	1	N	-	✓
1A59615	FC19164-6	-	1	Water	25	MS57609	1	N	-	ND✓
1A59616	FC19164-7	-	1	Water	26	MS57609	1	N	-	ND✓
1A59617	FC19164-5MS	-	2	Water	27	MS57609	1	N	-	spike 10uL→40mL OP#40,76,77 PBL#10✓
1A59618	FC19164-5MSD	-	3	Water	28	MS57609	1	N	-	spike 10uL→40mL OP#40,76,77 PBL#10✓
1A59619	FC19116-7MS	-	2	Water	29	MS57609	1	N	-	spike 10uL→40mL OP#40,76,77 PBL#10✓
1A59620	FC19116-7MS	-	3	Water	30	MS57609	1	N	-	spike 10uL→40mL OP#40,76,77 PBL#10✓
1A59621	ECC3047-5	-	-	Water	31	-	-	-	-	40uL→100mL OP#40 PBL#10,76,77✓

Matrix: Designate "W" for Water "S" for soil, "O" for Oil, "Liq" for Non-aquous LIquid, and "TCLP" or "SPLP" for Leachate
Manual Integration Rational SOP QA029: MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PII Poor Instrument

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

e-Hardcopy 2.0
Automated Report

Technical Report for

Bhate Environmental

Griffiss AFB; Rome, NY

GRFIS-BECOS

SGS Job Number: FC19317A

Sampling Date: 09/27/24

Report to:

Bhate Environmental

tcalhoun@bhate.com
molive@bhate.com; atorres@bhate.com
ATTN: Marcia Olive

Total number of pages in report: **290**

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 unless noted in the narrative, comments or footnotes.

Norm Farmer
Technical Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL(E83510), LA(03051), KS(E-10327), NC(573), NJ(FL002), NY(12022), SC(96038001) DoD ELAP(ANAB L2229), AZ(AZ0806), CA(2937), TX(T104704404), PA(68-03573), VA(460177), AL, AK, AR, CT, IA, KY, MA, MI. MS, ND, NH, NV, OK, OR, IL, UT, VT, WA, WI, WV

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Please share your ideas about how we can serve you better at:
EHS.US.CustomerCare@sgs.com

October 17, 2024

Marcia Olive
Bhate Environmental
1608 13th Ave S Suite 300
Birmingham, AL 35205

RE: SGS North America Inc. - Orlando job FC19317A Reissue

Dear Ms. Olive,

The final report for job number FC19317A was revised in response to your requested changes. The following edits were made to this report.

The specific samples you requested were removed form the original report and re-issued on a separate report package.

Please feel free to contact us if we can be of further assistance.

Sincerely,

SGS North America Inc. - Orlando

CC: Dan Waterhouse, AECOM
Brian Rothmeyer, AECOM

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SGS North America Inc.

Sample Summary

Bhate Environmental

Job No: FC19317A

Griffiss AFB; Rome, NY
Project No: GRFIS-BECOS

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FC19317-1	09/27/24	09:14	AS	10/03/24	AQ	Ground Water	789VMW-251_0924

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Bhate Environmental **Job No:** FC19317A

Site: Griffiss AFB; Rome, NY **Report Date:** 10/17/2024 2:28:07

On 10/03/2024, 1 Sample(s), 0 Trip Blank(s), 0 Equip. Blank(s) and 0 Field Blank(s) were received at SGS North America Inc - Orlando. at a maximum corrected temperature of 3.2 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. - Orlando Job Number of FC19317A 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.

MS Volatiles By Method SW846 8260D

Matrix: AQ **Batch ID:** V3B23

Sample(s) FC19293-2MS, FC19293-2MSD were used as the QC samples indicated.

Matrix Spike Recovery(s) for 2-Hexanone, 4-Methyl-2-pentanone (MIBK) are outside control limits. Probable cause is due to matrix interference.

Matrix Spike Duplicate Recovery(s) for cis-1,2-Dichloroethylene are outside control limits. Probable cause is due to matrix interference.

V3B23-MB: Sample was treated with an anti-foaming agent.

SGS North America Inc. - Orlando 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.- Orlando is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety.

Narrative prepared by:

_____

Kim Benham, Report Generation (signature on file)

Summary of Hits

Job Number: FC19317A
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 09/27/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FC19317-1	**789VMW-251_0924**					
Benzene		11.1	1.0	0.50	ug/l	SW846 8260D
m,p-Xylene		0.61 J	2.0	1.0	ug/l	SW846 8260D
o-Xylene		0.28 J	1.0	0.50	ug/l	SW846 8260D
Xylene (total)		0.89 J	3.0	1.5	ug/l	SW846 8260D

Sample Results

Report of Analysis

SGS North America Inc.

Report of Analysis

Client Sample ID:	789VMW-251_0924		
Lab Sample ID:	FC19317-1	**Date Sampled:**	09/27/24
Matrix:	AQ - Ground Water	**Date Received:**	10/03/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3B000518.D	1	10/08/24 14:39	NMC	n/a	n/a	V3B23
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	11.1	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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: 789VMW-251_0924
Lab Sample ID: FC19317-1
Matrix: AQ - Ground Water
Method: SW846 8260D
Project: Griffiss AFB; Rome, NY

Date Sampled: 09/27/24
Date Received: 10/03/24
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	0.61	2.0	1.0	0.47	ug/l	J
95-47-6	o-Xylene	0.28	1.0	0.50	0.26	ug/l	J
1330-20-7	Xylene (total)	0.89	3.0	1.5	0.72	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		83-118%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789VMW-251_0924		
Lab Sample ID:	FC19317-1	**Date Sampled:**	09/27/24
Matrix:	AQ - Ground Water	**Date Received:**	10/03/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	96%		79-125%
2037-26-5	Toluene-D8	96%		85-112%
460-00-4	4-Bromofluorobenzene	104%		83-118%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5.x Limits

SGS North America Inc - Orlando
Chain of Custody

4405 Vineland Road, Suite C-15 Orlando, Fl 32811
TEL. 407-425-6700 FAX: 407-425-0707
www.sgs.com

SGS - ORLANDO JOB # : PAGE 1 OF 1

SGS - ORLANDO Quote # SKIFF FC19317

Client / Reporting Information

Company Name: FPM Remediations
Address: 181 Kenwood Ave
City: Oneida State: NY Zip: 13421
Project Contact: Joshua Werner Email: j.werner@fpmremediations.com
Phone #: (315) 219-~~6193~~ 6913
Sampler(s) Name(s) (Printed)
Sampler 1: Gavin Wilbert Sampler 2: Angelo Sinisgalli

Project Information

Project Name: Griffiss Former AFB
Street 660 Hangar Road
City Rome State NY
Project # 2017-24-01
Fax #
Client Purchase Order #

Analytical Information

SGS Orlando Sample #	Field ID / Point of Collection	COLLECTION DATE	TIME	SAMPLED BY:	CONTAINER INFORMATION MATRIX	TOTAL # OF BOTTLES	OTHER	NONE	HCl	MeOH	HNO3	H2SO4	NaOH+ZnAc	DI WATER	MEOH	8260D - VOCs	LAB USE ONLY
1	789MW-251_0924	9/27/24	0914	AS	GW	3			X						X	X	
2	AOC9MW-19_0924	10/1/24	0946	AS	GW	3			X						X	X	
3	AOC9-SW02_0924	10/2/24	0932	AS	GW	3			X						X	X	
4	AOC9-SW03_0924	10/2/24	0958	AS	GW	3			X						X	X	
5	AOC9MW-07_0924	10/2/24	1142	AS	GW	3			X						X	X	
6	AOC9MW-07_0924-A	10/2/24	1144	AS	GW	3			X						X	X	
7	AOC9-TB-6_0924	10/2/24	PRE	FILLED		2			X						X	X	

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid

Turnaround Time (Business days)

10 Day (Business) Approved By: / Date:
7 Day
5 Day
3 Day *RUSH*
2 Day *RUSH*
1 Day *RUSH*
Other
Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULLT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

Temp Blank included

INITIAL ASSESSMENT ZR
LABEL VERIFICATION TH

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

	Relinquished by Sampler/Affiliation	Date Time:	Received By/Affiliation	Relinquished By/Affiliation	Date Time:	Received By/Affiliation
1	Gavin Wilbert FPM	10/2/24 1455	2	3		4 10/3/24 930
5	Relinquished by/Affiliation	Date Time:	6	7		8

Lab Use Only : Cooler Temperature (s) Celsius (corrected): 3.4 FE-#1

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

ORLD-SMT-0001-03-FORM-COC (4).xls Rev 031318

FC19317A: Chain of Custody
Page 1 of 2

SGS - Orlando Sample Receipt Summary

Job Number: fc19317 **Client:** FPM REMEDIATIONS **Project:** GRIFFISS FORMER AFB

Date / Time Received: 10/3/2024 9:30:00 AM **Delivery Method:** FEDEX **Airbill #'s:** 400490023755

Cooler Temps (Raw Measured) °C: Cooler 1: (3.4);

Cooler Temps (Corrected) °C: Cooler 1: (3.2);

Cooler Information	Y	or	N
1. Custody Seals Present:	☑		☐
2. Custody Seals Intact:	☑		☐
3. Temp criteria achieved:	☑		☐
4. Cooler temp verification:	IR Gun		
5. Cooler media:	Ice (Bag)		

Trip Blank Information	Y	or	N	N/A
1. Trip Blank present / cooler:	☑		☐	☐
2. Trip Blank listed on COC:	☑		☐	☐

	W	or	S	N/A
3. Type of TB Received	☑		☐	☐

Sample Information	Y	or	N	N/A
1. Sample labels present on bottles:	☑		☐	
2. Samples presented properly	☑		☐	
3. Sufficient volume/containers recv'd for analysis	☑		☐	
4. Condition of sample:	Intact			
5. Sample recv'd within HT	☑		☐	
6. Dates/Times/IDs on COC match sample label	☐		☐	
7. VOCs have headspace	☐		☑	☐
8. Bottles received for unspecified tests	☐		☑	
9. Compositing instructions clear	☐		☐	☑
10. Voa Soil Kits/Jars received past 48hrs?	☐		☐	☐
11. % Solids Jar Received?	☐		☐	☐
12. Residual Chlorine Present?	☐		☐	☐

Misc Information

Number of Encores: 25 Gram 5 Gram

Test Strip Lot #s: pH 0-3: 226422 pH 10-12:

Residual Chlorine Test Strip Lot #

Number of Lab Filtered Metals:

Other: (Specify) pH 1.0 - 12.0 222221

Comments

Sample Receipt Summary 112723 EK Technician: ZANEB Date: 10/3/2024 6:18:03 PM Reviewer: Date:

QC Evaluation: DOD QSM5.x Limits

Job Number: FC19317A
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 09/27/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
V3B23	SW846 8260D						
V3B23-BS	67-64-1	Acetone	BSP	REC	94	%	39-160
V3B23-BS	71-43-2	Benzene	BSP	REC	102	%	79-120
V3B23-BS	108-86-1	Bromobenzene	BSP	REC	103	%	80-120
V3B23-BS	74-97-5	Bromochloromethane	BSP	REC	92	%	78-123
V3B23-BS	75-27-4	Bromodichloromethane	BSP	REC	97	%	79-125
V3B23-BS	75-25-2	Bromoform	BSP	REC	101	%	66-130
V3B23-BS	78-93-3	2-Butanone (MEK)	BSP	REC	97	%	56-143
V3B23-BS	104-51-8	n-Butylbenzene	BSP	REC	108	%	75-128
V3B23-BS	135-98-8	sec-Butylbenzene	BSP	REC	98	%	77-126
V3B23-BS	98-06-6	tert-Butylbenzene	BSP	REC	99	%	78-124
V3B23-BS	75-15-0	Carbon Disulfide	BSP	REC	91	%	64-133
V3B23-BS	56-23-5	Carbon Tetrachloride	BSP	REC	98	%	72-136
V3B23-BS	108-90-7	Chlorobenzene	BSP	REC	100	%	82-118
V3B23-BS	75-00-3	Chloroethane	BSP	REC	103	%	60-138
V3B23-BS	67-66-3	Chloroform	BSP	REC	96	%	79-124
V3B23-BS	95-49-8	o-Chlorotoluene	BSP	REC	99	%	79-122
V3B23-BS	106-43-4	p-Chlorotoluene	BSP	REC	100	%	78-122
V3B23-BS	124-48-1	Dibromochloromethane	BSP	REC	106	%	74-126
V3B23-BS	96-12-8	1,2-Dibromo-3-chloropropane	BSP	REC	97	%	62-128
V3B23-BS	106-93-4	1,2-Dibromoethane	BSP	REC	102	%	77-121
V3B23-BS	75-71-8	Dichlorodifluoromethane	BSP	REC	73	%	32-152
V3B23-BS	95-50-1	1,2-Dichlorobenzene	BSP	REC	98	%	80-119
V3B23-BS	541-73-1	1,3-Dichlorobenzene	BSP	REC	100	%	80-119
V3B23-BS	106-46-7	1,4-Dichlorobenzene	BSP	REC	100	%	79-118
V3B23-BS	75-34-3	1,1-Dichloroethane	BSP	REC	97	%	77-125
V3B23-BS	107-06-2	1,2-Dichloroethane	BSP	REC	93	%	73-128
V3B23-BS	75-35-4	1,1-Dichloroethylene	BSP	REC	96	%	71-131
V3B23-BS	156-59-2	cis-1,2-Dichloroethylene	BSP	REC	102	%	78-123
V3B23-BS	156-60-5	trans-1,2-Dichloroethylene	BSP	REC	102	%	75-124
V3B23-BS	540-59-0	1,2-Dichloroethene (total)	BSP	REC	102	%	79-121
V3B23-BS	78-87-5	1,2-Dichloropropane	BSP	REC	102	%	78-122
V3B23-BS	142-28-9	1,3-Dichloropropane	BSP	REC	101	%	80-119
V3B23-BS	594-20-7	2,2-Dichloropropane	BSP	REC	98	%	60-139
V3B23-BS	563-58-6	1,1-Dichloropropene	BSP	REC	110	%	79-125
V3B23-BS	10061-01-5	cis-1,3-Dichloropropene	BSP	REC	101	%	75-124
V3B23-BS	10061-02-6	trans-1,3-Dichloropropene	BSP	REC	100	%	73-127
V3B23-BS	100-41-4	Ethylbenzene	BSP	REC	98	%	79-121
V3B23-BS	87-68-3	Hexachlorobutadiene	BSP	REC	109	%	66-134
V3B23-BS	591-78-6	2-Hexanone	BSP	REC	96	%	57-139
V3B23-BS	98-82-8	Isopropylbenzene	BSP	REC	100	%	72-131
V3B23-BS	99-87-6	p-Isopropyltoluene	BSP	REC	101	%	77-127
V3B23-BS	74-83-9	Methyl Bromide	BSP	REC	104	%	53-141

* Sample used for QC is not from job FC19317A

QC Evaluation: DOD QSM5.x Limits

Job Number: FC19317A
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 09/27/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
V3B23-BS	74-87-3	Methyl Chloride	BSP	REC	83	%	50-139
V3B23-BS	74-95-3	Methylene Bromide	BSP	REC	96	%	79-123
V3B23-BS	75-09-2	Methylene Chloride	BSP	REC	106	%	74-124
V3B23-BS	108-10-1	4-Methyl-2-pentanone (MIBK)	BSP	REC	98	%	67-130
V3B23-BS	1634-04-4	Methyl Tert Butyl Ether	BSP	REC	94	%	71-124
V3B23-BS	91-20-3	Naphthalene	BSP	REC	104	%	61-128
V3B23-BS	103-65-1	n-Propylbenzene	BSP	REC	102	%	76-126
V3B23-BS	100-42-5	Styrene	BSP	REC	102	%	78-123
V3B23-BS	630-20-6	1,1,1,2-Tetrachloroethane	BSP	REC	107	%	78-124
V3B23-BS	79-34-5	1,1,2,2-Tetrachloroethane	BSP	REC	107	%	71-121
V3B23-BS	127-18-4	Tetrachloroethylene	BSP	REC	99	%	74-129
V3B23-BS	108-88-3	Toluene	BSP	REC	102	%	80-121
V3B23-BS	87-61-6	1,2,3-Trichlorobenzene	BSP	REC	106	%	69-129
V3B23-BS	120-82-1	1,2,4-Trichlorobenzene	BSP	REC	108	%	69-130
V3B23-BS	71-55-6	1,1,1-Trichloroethane	BSP	REC	97	%	74-131
V3B23-BS	79-00-5	1,1,2-Trichloroethane	BSP	REC	101	%	80-119
V3B23-BS	79-01-6	Trichloroethylene	BSP	REC	103	%	79-123
V3B23-BS	75-69-4	Trichlorofluoromethane	BSP	REC	94	%	65-141
V3B23-BS	96-18-4	1,2,3-Trichloropropane	BSP	REC	102	%	73-122
V3B23-BS	95-63-6	1,2,4-Trimethylbenzene	BSP	REC	101	%	76-124
V3B23-BS	108-67-8	1,3,5-Trimethylbenzene	BSP	REC	102	%	75-124
V3B23-BS	108-05-4	Vinyl Acetate	BSP	REC	114	%	54-146
V3B23-BS	75-01-4	Vinyl Chloride	BSP	REC	90	%	58-137
V3B23-BS		m,p-Xylene	BSP	REC	99	%	80-121
V3B23-BS	95-47-6	o-Xylene	BSP	REC	96	%	78-122
V3B23-BS	1330-20-7	Xylene (total)	BSP	REC	98	%	79-121
V3B23-BS	1868-53-7	Dibromofluoromethane	BSP	SURR	98	%	80-119
V3B23-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	94	%	81-118
V3B23-BS	2037-26-5	Toluene-D8	BSP	SURR	99	%	89-112
V3B23-BS	460-00-4	4-Bromofluorobenzene	BSP	SURR	104	%	85-114
FC19293-2MS*	67-64-1	Acetone	MS	REC	122	%	39-160
FC19293-2MS*	71-43-2	Benzene	MS	REC	110	%	79-120
FC19293-2MS*	108-86-1	Bromobenzene	MS	REC	99	%	80-120
FC19293-2MS*	74-97-5	Bromochloromethane	MS	REC	94	%	78-123
FC19293-2MS*	75-27-4	Bromodichloromethane	MS	REC	104	%	79-125
FC19293-2MS*	75-25-2	Bromoform	MS	REC	99	%	66-130
FC19293-2MS*	78-93-3	2-Butanone (MEK)	MS	REC	126	%	56-143
FC19293-2MS*	104-51-8	n-Butylbenzene	MS	REC	100	%	75-128
FC19293-2MS*	135-98-8	sec-Butylbenzene	MS	REC	92	%	77-126
FC19293-2MS*	98-06-6	tert-Butylbenzene	MS	REC	93	%	78-124
FC19293-2MS*	75-15-0	Carbon Disulfide	MS	REC	95	%	64-133
FC19293-2MS*	56-23-5	Carbon Tetrachloride	MS	REC	105	%	72-136
FC19293-2MS*	108-90-7	Chlorobenzene	MS	REC	99	%	82-118
FC19293-2MS*	75-00-3	Chloroethane	MS	REC	104	%	60-138
FC19293-2MS*	67-66-3	Chloroform	MS	REC	105	%	79-124

* Sample used for QC is not from job FC19317A

QC Evaluation: DOD QSM5.x Limits

Job Number: FC19317A
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 09/27/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FC19293-2MS*	95-49-8	o-Chlorotoluene	MS	REC	97	%	79-122
FC19293-2MS*	106-43-4	p-Chlorotoluene	MS	REC	96	%	78-122
FC19293-2MS*	124-48-1	Dibromochloromethane	MS	REC	104	%	74-126
FC19293-2MS*	96-12-8	1,2-Dibromo-3-chloropropane	MS	REC	113	%	62-128
FC19293-2MS*	106-93-4	1,2-Dibromoethane	MS	REC	104	%	77-121
FC19293-2MS*	75-71-8	Dichlorodifluoromethane	MS	REC	80	%	32-152
FC19293-2MS*	95-50-1	1,2-Dichlorobenzene	MS	REC	94	%	80-119
FC19293-2MS*	541-73-1	1,3-Dichlorobenzene	MS	REC	94	%	80-119
FC19293-2MS*	106-46-7	1,4-Dichlorobenzene	MS	REC	96	%	79-118
FC19293-2MS*	75-34-3	1,1-Dichloroethane	MS	REC	108	%	77-125
FC19293-2MS*	107-06-2	1,2-Dichloroethane	MS	REC	104	%	73-128
FC19293-2MS*	75-35-4	1,1-Dichloroethylene	MS	REC	107	%	71-131
FC19293-2MS*	156-59-2	cis-1,2-Dichloroethylene	MS	REC	108	%	78-123
FC19293-2MS*	156-60-5	trans-1,2-Dichloroethylene	MS	REC	109	%	75-124
FC19293-2MS*	540-59-0	1,2-Dichloroethene (total)	MS	REC	109	%	79-121
FC19293-2MS*	78-87-5	1,2-Dichloropropane	MS	REC	110	%	78-122
FC19293-2MS*	142-28-9	1,3-Dichloropropane	MS	REC	106	%	80-119
FC19293-2MS*	594-20-7	2,2-Dichloropropane	MS	REC	96	%	60-139
FC19293-2MS*	563-58-6	1,1-Dichloropropene	MS	REC	118	%	79-125
FC19293-2MS*	10061-01-5	cis-1,3-Dichloropropene	MS	REC	104	%	75-124
FC19293-2MS*	10061-02-6	trans-1,3-Dichloropropene	MS	REC	97	%	73-127
FC19293-2MS*	100-41-4	Ethylbenzene	MS	REC	88	%	79-121
FC19293-2MS*	87-68-3	Hexachlorobutadiene	MS	REC	92	%	66-134
FC19293-2MS*	591-78-6	2-Hexanone	MS	REC	134	%	57-139
FC19293-2MS*	98-82-8	Isopropylbenzene	MS	REC	97	%	72-131
FC19293-2MS*	99-87-6	p-Isopropyltoluene	MS	REC	92	%	77-127
FC19293-2MS*	74-83-9	Methyl Bromide	MS	REC	90	%	53-141
FC19293-2MS*	74-87-3	Methyl Chloride	MS	REC	99	%	50-139
FC19293-2MS*	74-95-3	Methylene Bromide	MS	REC	104	%	79-123
FC19293-2MS*	75-09-2	Methylene Chloride	MS	REC	109	%	74-124
FC19293-2MS*	108-10-1	4-Methyl-2-pentanone (MIBK)	MS	REC	128	%	67-130
FC19293-2MS*	1634-04-4	Methyl Tert Butyl Ether	MS	REC	99	%	71-124
FC19293-2MS*	91-20-3	Naphthalene	MS	REC	104	%	61-128
FC19293-2MS*	103-65-1	n-Propylbenzene	MS	REC	98	%	76-126
FC19293-2MS*	100-42-5	Styrene	MS	REC	99	%	78-123
FC19293-2MS*	630-20-6	1,1,1,2-Tetrachloroethane	MS	REC	105	%	78-124
FC19293-2MS*	79-34-5	1,1,2,2-Tetrachloroethane	MS	REC	117	%	71-121
FC19293-2MS*	127-18-4	Tetrachloroethylene	MS	REC	91	%	74-129
FC19293-2MS*	108-88-3	Toluene	MS	REC	102	%	80-121
FC19293-2MS*	87-61-6	1,2,3-Trichlorobenzene	MS	REC	99	%	69-129
FC19293-2MS*	120-82-1	1,2,4-Trichlorobenzene	MS	REC	99	%	69-130
FC19293-2MS*	71-55-6	1,1,1-Trichloroethane	MS	REC	104	%	74-131
FC19293-2MS*	79-00-5	1,1,2-Trichloroethane	MS	REC	106	%	80-119
FC19293-2MS*	79-01-6	Trichloroethylene	MS	REC	109	%	79-123
FC19293-2MS*	75-69-4	Trichlorofluoromethane	MS	REC	110	%	65-141

* Sample used for QC is not from job FC19317A

QC Evaluation: DOD QSM5.x Limits

Job Number: FC19317A
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 09/27/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FC19293-2MS*	96-18-4	1,2,3-Trichloropropane	MS	REC	111	%	73-122
FC19293-2MS*	95-63-6	1,2,4-Trimethylbenzene	MS	REC	96	%	76-124
FC19293-2MS*	108-67-8	1,3,5-Trimethylbenzene	MS	REC	97	%	75-124
FC19293-2MS*	108-05-4	Vinyl Acetate	MS	REC	112	%	54-146
FC19293-2MS*	75-01-4	Vinyl Chloride	MS	REC	99	%	58-137
FC19293-2MS*		m,p-Xylene	MS	REC	98	%	80-121
FC19293-2MS*	95-47-6	o-Xylene	MS	REC	96	%	78-122
FC19293-2MS*	1330-20-7	Xylene (total)	MS	REC	97	%	79-121
FC19293-2MS*	1868-53-7	Dibromofluoromethane	MS	SURR	105	%	80-119
FC19293-2MS*	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	102	%	81-118
FC19293-2MS*	2037-26-5	Toluene-D8	MS	SURR	97	%	89-112
FC19293-2MS*	460-00-4	4-Bromofluorobenzene	MS	SURR	102	%	85-114
FC19293-2MSD*	67-64-1	Acetone	MSD	REC	105	%	39-160
FC19293-2MSD*	67-64-1	Acetone	MSD	RPD	15	%	20
FC19293-2MSD*	71-43-2	Benzene	MSD	REC	112	%	79-120
FC19293-2MSD*	71-43-2	Benzene	MSD	RPD	1	%	20
FC19293-2MSD*	108-86-1	Bromobenzene	MSD	REC	102	%	80-120
FC19293-2MSD*	108-86-1	Bromobenzene	MSD	RPD	3	%	20
FC19293-2MSD*	74-97-5	Bromochloromethane	MSD	REC	96	%	78-123
FC19293-2MSD*	74-97-5	Bromochloromethane	MSD	RPD	2	%	20
FC19293-2MSD*	75-27-4	Bromodichloromethane	MSD	REC	105	%	79-125
FC19293-2MSD*	75-27-4	Bromodichloromethane	MSD	RPD	1	%	20
FC19293-2MSD*	75-25-2	Bromoform	MSD	REC	100	%	66-130
FC19293-2MSD*	75-25-2	Bromoform	MSD	RPD	2	%	20
FC19293-2MSD*	78-93-3	2-Butanone (MEK)	MSD	REC	108	%	56-143
FC19293-2MSD*	78-93-3	2-Butanone (MEK)	MSD	RPD	15	%	20
FC19293-2MSD*	104-51-8	n-Butylbenzene	MSD	REC	108	%	75-128
FC19293-2MSD*	104-51-8	n-Butylbenzene	MSD	RPD	8	%	20
FC19293-2MSD*	135-98-8	sec-Butylbenzene	MSD	REC	99	%	77-126
FC19293-2MSD*	135-98-8	sec-Butylbenzene	MSD	RPD	8	%	20
FC19293-2MSD*	98-06-6	tert-Butylbenzene	MSD	REC	99	%	78-124
FC19293-2MSD*	98-06-6	tert-Butylbenzene	MSD	RPD	6	%	20
FC19293-2MSD*	75-15-0	Carbon Disulfide	MSD	REC	94	%	64-133
FC19293-2MSD*	75-15-0	Carbon Disulfide	MSD	RPD	0	%	20
FC19293-2MSD*	56-23-5	Carbon Tetrachloride	MSD	REC	109	%	72-136
FC19293-2MSD*	56-23-5	Carbon Tetrachloride	MSD	RPD	3	%	20
FC19293-2MSD*	108-90-7	Chlorobenzene	MSD	REC	101	%	82-118
FC19293-2MSD*	108-90-7	Chlorobenzene	MSD	RPD	2	%	20
FC19293-2MSD*	75-00-3	Chloroethane	MSD	REC	116	%	60-138
FC19293-2MSD*	75-00-3	Chloroethane	MSD	RPD	11	%	20
FC19293-2MSD*	67-66-3	Chloroform	MSD	REC	104	%	79-124
FC19293-2MSD*	67-66-3	Chloroform	MSD	RPD	0	%	20
FC19293-2MSD*	95-49-8	o-Chlorotoluene	MSD	REC	100	%	79-122
FC19293-2MSD*	95-49-8	o-Chlorotoluene	MSD	RPD	3	%	20
FC19293-2MSD*	106-43-4	p-Chlorotoluene	MSD	REC	100	%	78-122

* Sample used for QC is not from job FC19317A

QC Evaluation: DOD QSM5.x Limits

Job Number: FC19317A
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 09/27/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FC19293-2MSD*	106-43-4	p-Chlorotoluene	MSD	RPD	3	%	20
FC19293-2MSD*	124-48-1	Dibromochloromethane	MSD	REC	110	%	74-126
FC19293-2MSD*	124-48-1	Dibromochloromethane	MSD	RPD	5	%	20
FC19293-2MSD*	96-12-8	1,2-Dibromo-3-chloropropane	MSD	REC	103	%	62-128
FC19293-2MSD*	96-12-8	1,2-Dibromo-3-chloropropane	MSD	RPD	9	%	20
FC19293-2MSD*	106-93-4	1,2-Dibromoethane	MSD	REC	107	%	77-121
FC19293-2MSD*	106-93-4	1,2-Dibromoethane	MSD	RPD	3	%	20
FC19293-2MSD*	75-71-8	Dichlorodifluoromethane	MSD	REC	80	%	32-152
FC19293-2MSD*	75-71-8	Dichlorodifluoromethane	MSD	RPD	1	%	20
FC19293-2MSD*	95-50-1	1,2-Dichlorobenzene	MSD	REC	97	%	80-119
FC19293-2MSD*	95-50-1	1,2-Dichlorobenzene	MSD	RPD	3	%	20
FC19293-2MSD*	541-73-1	1,3-Dichlorobenzene	MSD	REC	97	%	80-119
FC19293-2MSD*	541-73-1	1,3-Dichlorobenzene	MSD	RPD	3	%	20
FC19293-2MSD*	106-46-7	1,4-Dichlorobenzene	MSD	REC	99	%	79-118
FC19293-2MSD*	106-46-7	1,4-Dichlorobenzene	MSD	RPD	3	%	20
FC19293-2MSD*	75-34-3	1,1-Dichloroethane	MSD	REC	107	%	77-125
FC19293-2MSD*	75-34-3	1,1-Dichloroethane	MSD	RPD	1	%	20
FC19293-2MSD*	107-06-2	1,2-Dichloroethane	MSD	REC	104	%	73-128
FC19293-2MSD*	107-06-2	1,2-Dichloroethane	MSD	RPD	0	%	20
FC19293-2MSD*	75-35-4	1,1-Dichloroethylene	MSD	REC	108	%	71-131
FC19293-2MSD*	75-35-4	1,1-Dichloroethylene	MSD	RPD	1	%	20
FC19293-2MSD*	156-59-2	cis-1,2-Dichloroethylene	MSD	REC	129	%	78-123
FC19293-2MSD*	156-59-2	cis-1,2-Dichloroethylene	MSD	RPD	12	%	20
FC19293-2MSD*	156-60-5	trans-1,2-Dichloroethylene	MSD	REC	109	%	75-124
FC19293-2MSD*	156-60-5	trans-1,2-Dichloroethylene	MSD	RPD	0	%	20
FC19293-2MSD*	540-59-0	1,2-Dichloroethene (total)	MSD	REC	119	%	79-121
FC19293-2MSD*	540-59-0	1,2-Dichloroethene (total)	MSD	RPD	7	%	20
FC19293-2MSD*	78-87-5	1,2-Dichloropropane	MSD	REC	114	%	78-122
FC19293-2MSD*	78-87-5	1,2-Dichloropropane	MSD	RPD	4	%	20
FC19293-2MSD*	142-28-9	1,3-Dichloropropane	MSD	REC	111	%	80-119
FC19293-2MSD*	142-28-9	1,3-Dichloropropane	MSD	RPD	5	%	20
FC19293-2MSD*	594-20-7	2,2-Dichloropropane	MSD	REC	96	%	60-139
FC19293-2MSD*	594-20-7	2,2-Dichloropropane	MSD	RPD	0	%	20
FC19293-2MSD*	563-58-6	1,1-Dichloropropene	MSD	REC	125	%	79-125
FC19293-2MSD*	563-58-6	1,1-Dichloropropene	MSD	RPD	6	%	20
FC19293-2MSD*	10061-01-5	cis-1,3-Dichloropropene	MSD	REC	107	%	75-124
FC19293-2MSD*	10061-01-5	cis-1,3-Dichloropropene	MSD	RPD	3	%	20
FC19293-2MSD*	10061-02-6	trans-1,3-Dichloropropene	MSD	REC	104	%	73-127
FC19293-2MSD*	10061-02-6	trans-1,3-Dichloropropene	MSD	RPD	7	%	20
FC19293-2MSD*	100-41-4	Ethylbenzene	MSD	REC	90	%	79-121
FC19293-2MSD*	100-41-4	Ethylbenzene	MSD	RPD	3	%	20
FC19293-2MSD*	87-68-3	Hexachlorobutadiene	MSD	REC	106	%	66-134
FC19293-2MSD*	87-68-3	Hexachlorobutadiene	MSD	RPD	14	%	20
FC19293-2MSD*	591-78-6	2-Hexanone	MSD	REC	118	%	57-139
FC19293-2MSD*	591-78-6	2-Hexanone	MSD	RPD	13	%	20

* Sample used for QC is not from job FC19317A

QC Evaluation: DOD QSM5.x Limits

Job Number: FC19317A
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 09/27/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FC19293-2MSD*	98-82-8	Isopropylbenzene	MSD	REC	101	%	72-131
FC19293-2MSD*	98-82-8	Isopropylbenzene	MSD	RPD	4	%	20
FC19293-2MSD*	99-87-6	p-Isopropyltoluene	MSD	REC	100	%	77-127
FC19293-2MSD*	99-87-6	p-Isopropyltoluene	MSD	RPD	8	%	20
FC19293-2MSD*	74-83-9	Methyl Bromide	MSD	REC	103	%	53-141
FC19293-2MSD*	74-83-9	Methyl Bromide	MSD	RPD	13	%	20
FC19293-2MSD*	74-87-3	Methyl Chloride	MSD	REC	100	%	50-139
FC19293-2MSD*	74-87-3	Methyl Chloride	MSD	RPD	1	%	20
FC19293-2MSD*	74-95-3	Methylene Bromide	MSD	REC	104	%	79-123
FC19293-2MSD*	74-95-3	Methylene Bromide	MSD	RPD	0	%	20
FC19293-2MSD*	75-09-2	Methylene Chloride	MSD	REC	108	%	74-124
FC19293-2MSD*	75-09-2	Methylene Chloride	MSD	RPD	1	%	20
FC19293-2MSD*	108-10-1	4-Methyl-2-pentanone (MIBK)	MSD	REC	115	%	67-130
FC19293-2MSD*	108-10-1	4-Methyl-2-pentanone (MIBK)	MSD	RPD	11	%	20
FC19293-2MSD*	1634-04-4	Methyl Tert Butyl Ether	MSD	REC	102	%	71-124
FC19293-2MSD*	1634-04-4	Methyl Tert Butyl Ether	MSD	RPD	3	%	20
FC19293-2MSD*	91-20-3	Naphthalene	MSD	REC	105	%	61-128
FC19293-2MSD*	91-20-3	Naphthalene	MSD	RPD	1	%	20
FC19293-2MSD*	103-65-1	n-Propylbenzene	MSD	REC	103	%	76-126
FC19293-2MSD*	103-65-1	n-Propylbenzene	MSD	RPD	6	%	20
FC19293-2MSD*	100-42-5	Styrene	MSD	REC	102	%	78-123
FC19293-2MSD*	100-42-5	Styrene	MSD	RPD	3	%	20
FC19293-2MSD*	630-20-6	1,1,1,2-Tetrachloroethane	MSD	REC	111	%	78-124
FC19293-2MSD*	630-20-6	1,1,1,2-Tetrachloroethane	MSD	RPD	5	%	20
FC19293-2MSD*	79-34-5	1,1,2,2-Tetrachloroethane	MSD	REC	113	%	71-121
FC19293-2MSD*	79-34-5	1,1,2,2-Tetrachloroethane	MSD	RPD	3	%	20
FC19293-2MSD*	127-18-4	Tetrachloroethylene	MSD	REC	96	%	74-129
FC19293-2MSD*	127-18-4	Tetrachloroethylene	MSD	RPD	6	%	20
FC19293-2MSD*	108-88-3	Toluene	MSD	REC	106	%	80-121
FC19293-2MSD*	108-88-3	Toluene	MSD	RPD	3	%	20
FC19293-2MSD*	87-61-6	1,2,3-Trichlorobenzene	MSD	REC	106	%	69-129
FC19293-2MSD*	87-61-6	1,2,3-Trichlorobenzene	MSD	RPD	7	%	20
FC19293-2MSD*	120-82-1	1,2,4-Trichlorobenzene	MSD	REC	106	%	69-130
FC19293-2MSD*	120-82-1	1,2,4-Trichlorobenzene	MSD	RPD	7	%	20
FC19293-2MSD*	71-55-6	1,1,1-Trichloroethane	MSD	REC	106	%	74-131
FC19293-2MSD*	71-55-6	1,1,1-Trichloroethane	MSD	RPD	2	%	20
FC19293-2MSD*	79-00-5	1,1,2-Trichloroethane	MSD	REC	112	%	80-119
FC19293-2MSD*	79-00-5	1,1,2-Trichloroethane	MSD	RPD	6	%	20
FC19293-2MSD*	79-01-6	Trichloroethylene	MSD	REC	114	%	79-123
FC19293-2MSD*	79-01-6	Trichloroethylene	MSD	RPD	4	%	20
FC19293-2MSD*	75-69-4	Trichlorofluoromethane	MSD	REC	114	%	65-141
FC19293-2MSD*	75-69-4	Trichlorofluoromethane	MSD	RPD	3	%	20
FC19293-2MSD*	96-18-4	1,2,3-Trichloropropane	MSD	REC	106	%	73-122
FC19293-2MSD*	96-18-4	1,2,3-Trichloropropane	MSD	RPD	5	%	20
FC19293-2MSD*	95-63-6	1,2,4-Trimethylbenzene	MSD	REC	101	%	76-124

* Sample used for QC is not from job FC19317A

QC Evaluation: DOD QSM5.x Limits

Job Number: FC19317A
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 09/27/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FC19293-2MSD*	95-63-6	1,2,4-Trimethylbenzene	MSD	RPD	5	%	20
FC19293-2MSD*	108-67-8	1,3,5-Trimethylbenzene	MSD	REC	101	%	75-124
FC19293-2MSD*	108-67-8	1,3,5-Trimethylbenzene	MSD	RPD	4	%	20
FC19293-2MSD*	108-05-4	Vinyl Acetate	MSD	REC	112	%	54-146
FC19293-2MSD*	108-05-4	Vinyl Acetate	MSD	RPD	0	%	20
FC19293-2MSD*	75-01-4	Vinyl Chloride	MSD	REC	102	%	58-137
FC19293-2MSD*	75-01-4	Vinyl Chloride	MSD	RPD	3	%	20
FC19293-2MSD*		m,p-Xylene	MSD	REC	102	%	80-121
FC19293-2MSD*		m,p-Xylene	MSD	RPD	4	%	20
FC19293-2MSD*	95-47-6	o-Xylene	MSD	REC	99	%	78-122
FC19293-2MSD*	95-47-6	o-Xylene	MSD	RPD	3	%	20
FC19293-2MSD*	1330-20-7	Xylene (total)	MSD	REC	101	%	79-121
FC19293-2MSD*	1330-20-7	Xylene (total)	MSD	RPD	3	%	20
FC19293-2MSD*	1868-53-7	Dibromofluoromethane	MSD	SURR	102	%	80-119
FC19293-2MSD*	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	101	%	81-118
FC19293-2MSD*	2037-26-5	Toluene-D8	MSD	SURR	97	%	89-112
FC19293-2MSD*	460-00-4	4-Bromofluorobenzene	MSD	SURR	102	%	85-114
V3B23-MB	1868-53-7	Dibromofluoromethane	MB	SURR	94	%	80-119
V3B23-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	91	%	81-118
V3B23-MB	2037-26-5	Toluene-D8	MB	SURR	96	%	89-112
V3B23-MB	460-00-4	4-Bromofluorobenzene	MB	SURR	105	%	85-114
FC19317-1	1868-53-7	Dibromofluoromethane	SAMP	SURR	100	%	80-119
FC19317-1	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	96	%	81-118
FC19317-1	2037-26-5	Toluene-D8	SAMP	SURR	96	%	89-112
FC19317-1	460-00-4	4-Bromofluorobenzene	SAMP	SURR	104	%	85-114

* Sample used for QC is not from job FC19317A

MS Volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: FC19317A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3B23-MB [a]	3B000509.D	1	10/08/24	NMC	n/a	n/a	V3B23

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

FC19317-1

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.37	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.45	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.24	ug/l	
75-25-2	Bromoform	ND	1.0	0.41	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.0	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.23	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.24	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.31	ug/l	
75-15-0	Carbon Disulfide	ND	2.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	ND	1.0	0.36	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.67	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.22	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.31	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.34	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	2.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.43	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.31	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.24	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

Method Blank Summary

Job Number: FC19317A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3B23-MB [a]	3B000509.D	1	10/08/24	NMC	n/a	n/a	V3B23

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

FC19317-1

CAS No.	Compound	Result	RL	MDL	Units	Q
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.30	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.22	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
74-83-9	Methyl Bromide	ND	5.0	2.0	ug/l	
74-87-3	Methyl Chloride	ND	2.0	0.50	ug/l	
74-95-3	Methylene Bromide	ND	2.0	0.37	ug/l	
75-09-2	Methylene Chloride	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.23	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.29	ug/l	
100-42-5	Styrene	ND	1.0	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.47	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.35	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	0.27	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
75-01-4	Vinyl Chloride	ND	1.0	0.41	ug/l	
	m,p-Xylene	ND	2.0	0.47	ug/l	
95-47-6	o-Xylene	ND	1.0	0.26	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	

Method Blank Summary

Job Number: FC19317A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3B23-MB [a]	3B000509.D	1	10/08/24	NMC	n/a	n/a	V3B23

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

FC19317-1

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	94%	83-118%
17060-07-0	1,2-Dichloroethane-D4	91%	79-125%
2037-26-5	Toluene-D8	96%	85-112%
460-00-4	4-Bromofluorobenzene	105%	83-118%

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

(a) Sample was treated with an anti-foaming agent.

Blank Spike Summary

Job Number: FC19317A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3B23-BS	3B000507.D	1	10/08/24	NMC	n/a	n/a	V3B23

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

FC19317-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	118	94	50-147
71-43-2	Benzene	25	25.6	102	81-122
108-86-1	Bromobenzene	25	25.8	103	80-121
74-97-5	Bromochloromethane	25	23.1	92	76-123
75-27-4	Bromodichloromethane	25	24.2	97	79-123
75-25-2	Bromoform	25	25.2	101	66-123
78-93-3	2-Butanone (MEK)	125	121	97	56-143
104-51-8	n-Butylbenzene	25	27.0	108	79-126
135-98-8	sec-Butylbenzene	25	24.6	98	83-133
98-06-6	tert-Butylbenzene	25	24.7	99	80-133
75-15-0	Carbon Disulfide	25	22.7	91	66-148
56-23-5	Carbon Tetrachloride	25	24.4	98	76-136
108-90-7	Chlorobenzene	25	24.9	100	82-124
75-00-3	Chloroethane	25	25.7	103	62-144
67-66-3	Chloroform	25	24.1	96	80-124
95-49-8	o-Chlorotoluene	25	24.7	99	81-127
106-43-4	p-Chlorotoluene	25	24.9	100	83-130
124-48-1	Dibromochloromethane	25	26.6	106	78-122
96-12-8	1,2-Dibromo-3-chloropropane	25	24.2	97	64-123
106-93-4	1,2-Dibromoethane	25	25.4	102	75-120
75-71-8	Dichlorodifluoromethane	25	18.3	73	42-167
95-50-1	1,2-Dichlorobenzene	25	24.6	98	82-124
541-73-1	1,3-Dichlorobenzene	25	24.9	100	84-125
106-46-7	1,4-Dichlorobenzene	25	24.9	100	78-120
75-34-3	1,1-Dichloroethane	25	24.3	97	81-122
107-06-2	1,2-Dichloroethane	25	23.3	93	75-125
75-35-4	1,1-Dichloroethylene	25	24.0	96	78-137
156-59-2	cis-1,2-Dichloroethylene	25	25.5	102	78-120
156-60-5	trans-1,2-Dichloroethylene	25	25.6	102	76-127
540-59-0	1,2-Dichloroethene (total)	50	51.1	102	77-122
78-87-5	1,2-Dichloropropane	25	25.5	102	76-124
142-28-9	1,3-Dichloropropane	25	25.3	101	80-118
594-20-7	2,2-Dichloropropane	25	24.5	98	74-139
563-58-6	1,1-Dichloropropene	25	27.6	110	79-131
10061-01-5	cis-1,3-Dichloropropene	25	25.3	101	75-118
10061-02-6	trans-1,3-Dichloropropene	25	24.9	100	80-120

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FC19317A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3B23-BS	3B000507.D	1	10/08/24	NMC	n/a	n/a	V3B23

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

FC19317-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
100-41-4	Ethylbenzene	25	24.5	98	81-121
87-68-3	Hexachlorobutadiene	25	27.3	109	75-142
591-78-6	2-Hexanone	125	120	96	61-129
98-82-8	Isopropylbenzene	25	24.9	100	83-132
99-87-6	p-Isopropyltoluene	25	25.3	101	79-130
74-83-9	Methyl Bromide	25	26.1	104	59-143
74-87-3	Methyl Chloride	25	20.7	83	50-159
74-95-3	Methylene Bromide	25	24.1	96	78-119
75-09-2	Methylene Chloride	25	26.4	106	69-135
108-10-1	4-Methyl-2-pentanone (MIBK)	125	122	98	66-122
1634-04-4	Methyl Tert Butyl Ether	25	23.4	94	72-117
91-20-3	Naphthalene	25	26.0	104	63-132
103-65-1	n-Propylbenzene	25	25.5	102	82-133
100-42-5	Styrene	25	25.6	102	78-119
630-20-6	1,1,1,2-Tetrachloroethane	25	26.8	107	77-122
79-34-5	1,1,2,2-Tetrachloroethane	25	26.8	107	72-120
127-18-4	Tetrachloroethylene	25	24.7	99	76-135
108-88-3	Toluene	25	25.4	102	80-120
87-61-6	1,2,3-Trichlorobenzene	25	26.6	106	68-131
120-82-1	1,2,4-Trichlorobenzene	25	27.1	108	73-129
71-55-6	1,1,1-Trichloroethane	25	24.2	97	75-130
79-00-5	1,1,2-Trichloroethane	25	25.3	101	76-119
79-01-6	Trichloroethylene	25	25.8	103	81-126
75-69-4	Trichlorofluoromethane	25	23.5	94	71-156
96-18-4	1,2,3-Trichloropropane	25	25.5	102	77-120
95-63-6	1,2,4-Trimethylbenzene	25	25.2	101	79-120
108-67-8	1,3,5-Trimethylbenzene	25	25.6	102	79-120
108-05-4	Vinyl Acetate	125	142	114	43-154
75-01-4	Vinyl Chloride	25	22.5	90	69-159
	m,p-Xylene	50	49.3	99	79-126
95-47-6	o-Xylene	25	24.1	96	80-127
1330-20-7	Xylene (total)	75	73.4	98	80-126

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FC19317A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3B23-BS	3B000507.D	1	10/08/24	NMC	n/a	n/a	V3B23

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

FC19317-1

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	98%	83-118%
17060-07-0	1,2-Dichloroethane-D4	94%	79-125%
2037-26-5	Toluene-D8	99%	85-112%
460-00-4	4-Bromofluorobenzene	104%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FC19317A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FC19293-2MS	3B000530.D	1	10/08/24	NMC	n/a	n/a	V3B23
FC19293-2MSD	3B000531.D	1	10/08/24	NMC	n/a	n/a	V3B23
FC19293-2	3B000510.D	1	10/08/24	NMC	n/a	n/a	V3B23

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

FC19317-1

CAS No.	Compound	FC19293-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	25 U		125	152	122	125	131	105	15	50-147/21
71-43-2	Benzene	0.68	J	25	28.3	110	25	28.7	112	1	81-122/14
108-86-1	Bromobenzene	1.0 U		25	24.7	99	25	25.5	102	3	80-121/14
74-97-5	Bromochloromethane	1.0 U		25	23.4	94	25	23.9	96	2	76-123/14
75-27-4	Bromodichloromethane	1.0 U		25	25.9	104	25	26.2	105	1	79-123/19
75-25-2	Bromoform	1.0 U		25	24.7	99	25	25.1	100	2	66-123/21
78-93-3	2-Butanone (MEK)	5.0 U		125	157	126	125	135	108	15	56-143/18
104-51-8	n-Butylbenzene	1.0 U		25	25.0	100	25	27.1	108	8	79-126/16
135-98-8	sec-Butylbenzene	1.0 U		25	23.0	92	25	24.8	99	8	83-133/16
98-06-6	tert-Butylbenzene	1.0 U		25	23.3	93	25	24.7	99	6	80-133/16
75-15-0	Carbon Disulfide	2.0 U		25	23.7	95	25	23.6	94	0	66-148/23
56-23-5	Carbon Tetrachloride	1.0 U		25	26.3	105	25	27.2	109	3	76-136/23
108-90-7	Chlorobenzene	1.2		25	26.0	99	25	26.4	101	2	82-124/14
75-00-3	Chloroethane	2.0 U		25	26.0	104	25	29.1	116	11	62-144/20
67-66-3	Chloroform	1.0 U		25	26.2	105	25	26.1	104	0	80-124/15
95-49-8	o-Chlorotoluene	1.0 U		25	24.3	97	25	25.0	100	3	81-127/15
106-43-4	p-Chlorotoluene	1.0 U		25	24.1	96	25	24.9	100	3	83-130/15
124-48-1	Dibromochloromethane	1.0 U		25	26.0	104	25	27.4	110	5	78-122/19
96-12-8	1,2-Dibromo-3-chloropropane	5.0 U		25	28.2	113	25	25.8	103	9	64-123/18
106-93-4	1,2-Dibromoethane	2.0 U		25	26.0	104	25	26.7	107	3	75-120/13
75-71-8	Dichlorodifluoromethane	2.0 U		25	19.9	80	25	20.0	80	1	42-167/19
95-50-1	1,2-Dichlorobenzene	1.0 U		25	23.6	94	25	24.3	97	3	82-124/14
541-73-1	1,3-Dichlorobenzene	1.0 U		25	23.5	94	25	24.3	97	3	84-125/14
106-46-7	1,4-Dichlorobenzene	1.0 U		25	23.9	96	25	24.7	99	3	78-120/15
75-34-3	1,1-Dichloroethane	1.0 U		25	27.1	108	25	26.8	107	1	81-122/15
107-06-2	1,2-Dichloroethane	1.0 U		25	25.9	104	25	25.9	104	0	75-125/14
75-35-4	1,1-Dichloroethylene	1.0 U		25	26.8	107	25	27.0	108	1	78-137/18
156-59-2	cis-1,2-Dichloroethylene	12.0		25	39.1	108	25	44.2	129*	12	78-120/15
156-60-5	trans-1,2-Dichloroethylene	0.63	J	25	27.9	109	25	27.9	109	0	76-127/17
540-59-0	1,2-Dichloroethene (total)	12.6		50	66.9	109	50	72.1	119	7	77-122/15
78-87-5	1,2-Dichloropropane	1.0 U		25	27.6	110	25	28.6	114	4	76-124/14
142-28-9	1,3-Dichloropropane	1.0 U		25	26.4	106	25	27.7	111	5	80-118/13
594-20-7	2,2-Dichloropropane	1.0 U		25	24.0	96	25	24.1	96	0	74-139/17
563-58-6	1,1-Dichloropropene	1.0 U		25	29.6	118	25	31.3	125	6	79-131/16
10061-01-5	cis-1,3-Dichloropropene	1.0 U		25	25.9	104	25	26.8	107	3	75-118/23
10061-02-6	trans-1,3-Dichloropropene	1.0 U		25	24.3	97	25	26.0	104	7	80-120/22

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FC19317A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FC19293-2MS	3B000530.D	1	10/08/24	NMC	n/a	n/a	V3B23
FC19293-2MSD	3B000531.D	1	10/08/24	NMC	n/a	n/a	V3B23
FC19293-2	3B000510.D	1	10/08/24	NMC	n/a	n/a	V3B23

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

FC19317-1

CAS No.	Compound	FC19293-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
100-41-4	Ethylbenzene	1.0 U		25	21.9	88	25	22.6	90	3	81-121/14
87-68-3	Hexachlorobutadiene	2.0 U		25	23.1	92	25	26.5	106	14	75-142/19
591-78-6	2-Hexanone	10 U		125	167	134*	125	147	118	13	61-129/18
98-82-8	Isopropylbenzene	1.0 U		25	24.2	97	25	25.3	101	4	83-132/15
99-87-6	p-Isopropyltoluene	1.0 U		25	23.1	92	25	25.0	100	8	79-130/16
74-83-9	Methyl Bromide	5.0 U		25	22.6	90	25	25.7	103	13	59-143/19
74-87-3	Methyl Chloride	2.0 U		25	24.7	99	25	25.0	100	1	50-159/19
74-95-3	Methylene Bromide	2.0 U		25	26.1	104	25	26.0	104	0	78-119/14
75-09-2	Methylene Chloride	5.0 U		25	27.2	109	25	27.0	108	1	69-135/16
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0 U		125	160	128*	125	144	115	11	66-122/16
1634-04-4	Methyl Tert Butyl Ether	1.0 U		25	24.8	99	25	25.5	102	3	72-117/14
91-20-3	Naphthalene	5.0 U		25	25.9	104	25	26.2	105	1	63-132/25
103-65-1	n-Propylbenzene	1.0 U		25	24.4	98	25	25.8	103	6	82-133/15
100-42-5	Styrene	1.0 U		25	24.8	99	25	25.6	102	3	78-119/23
630-20-6	1,1,1,2-Tetrachloroethane	1.0 U		25	26.3	105	25	27.7	111	5	77-122/19
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U		25	29.2	117	25	28.3	113	3	72-120/14
127-18-4	Tetrachloroethylene	0.46	J	25	23.1	91	25	24.5	96	6	76-135/16
108-88-3	Toluene	1.0 U		25	25.6	102	25	26.4	106	3	80-120/14
87-61-6	1,2,3-Trichlorobenzene	2.0 U		25	24.7	99	25	26.4	106	7	68-131/25
120-82-1	1,2,4-Trichlorobenzene	2.0 U		25	24.8	99	25	26.5	106	7	73-129/20
71-55-6	1,1,1-Trichloroethane	1.0 U		25	26.1	104	25	26.6	106	2	75-130/16
79-00-5	1,1,2-Trichloroethane	1.0 U		25	26.5	106	25	28.1	112	6	76-119/14
79-01-6	Trichloroethylene	1.0 U		25	27.3	109	25	28.5	114	4	81-126/15
75-69-4	Trichlorofluoromethane	2.0 U		25	27.6	110	25	28.5	114	3	71-156/21
96-18-4	1,2,3-Trichloropropane	2.0 U		25	27.8	111	25	26.5	106	5	77-120/16
95-63-6	1,2,4-Trimethylbenzene	1.0 U		25	23.9	96	25	25.2	101	5	79-120/18
108-67-8	1,3,5-Trimethylbenzene	1.0 U		25	24.2	97	25	25.3	101	4	79-120/19
108-05-4	Vinyl Acetate	10 U		125	140	112	125	140	112	0	43-154/14
75-01-4	Vinyl Chloride	2.2		25	26.9	99	25	27.7	102	3	69-159/18
	m,p-Xylene	2.0 U		50	49.0	98	50	50.9	102	4	79-126/15
95-47-6	o-Xylene	1.0 U		25	24.0	96	25	24.7	99	3	80-127/14
1330-20-7	Xylene (total)	3.0 U		75	73.0	97	75	75.6	101	3	80-126/15

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FC19317A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FC19293-2MS	3B000530.D	1	10/08/24	NMC	n/a	n/a	V3B23
FC19293-2MSD	3B000531.D	1	10/08/24	NMC	n/a	n/a	V3B23
FC19293-2	3B000510.D	1	10/08/24	NMC	n/a	n/a	V3B23

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

FC19317-1

CAS No.	Surrogate Recoveries	MS	MSD	FC19293-2	Limits
1868-53-7	Dibromofluoromethane	105%	102%	96%	83-118%
17060-07-0	1,2-Dichloroethane-D4	102%	101%	95%	79-125%
2037-26-5	Toluene-D8	97%	97%	96%	85-112%
460-00-4	4-Bromofluorobenzene	102%	102%	104%	83-118%

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: FC19317A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V3B13-BFB
Lab File ID: 3B000245.D
Instrument ID: GCMS3B
Injection Date: 09/24/24
Injection Time: 11:28

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
95	Base peak, 100% relative abundance	397394	100.0		Pass
96	5.0 - 9.0% of mass 95	26484	6.66		Pass
173	Less than 2.0% of mass 174	2247	0.57	(0.80) [a]	Pass
174	50.0 - 200.0% of mass 95	281875	70.9		Pass
175	5.0 - 9.0% of mass 174	20328	5.12	(7.21) [a]	Pass
176	95.0 - 105.0% of mass 174	270592	68.1	(96.0) [a]	Pass
177	5.0 - 10.0% of mass 176	18285	4.60	(6.76) [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
V3B13-IC13	3B000246.D	09/24/24	12:01	00:33	Initial cal 1
V3B13-IC13	3B000247.D	09/24/24	12:34	01:06	Initial cal 8
V3B13-IC13	3B000248.D	09/24/24	12:58	01:30	Initial cal 2
V3B13-IC13	3B000249.D	09/24/24	13:21	01:53	Initial cal 3
V3B13-IC13	3B000250.D	09/24/24	13:45	02:17	Initial cal 4
V3B13-ICC13	3B000251.D	09/24/24	14:08	02:40	Initial cal 5
V3B13-IC13	3B000252.D	09/24/24	14:32	03:04	Initial cal 6
V3B13-IC13	3B000253.D	09/24/24	14:56	03:28	Initial cal 7
V3B13-ICV13	3B000255.D	09/24/24	15:43	04:15	Initial cal verification 5
V3B13-ICV13	3B000256.D	09/24/24	16:07	04:39	Initial cal verification 4

Instrument Performance Check (BFB)

Job Number: FC19317A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V3B23-BFB
Lab File ID: 3B000505.D
Instrument ID: GCMS3B
Injection Date: 10/08/24
Injection Time: 09:05

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
95	Base peak, 100% relative abundance	448859	100.0		Pass
96	5.0 - 9.0% of mass 95	30354	6.76		Pass
173	Less than 2.0% of mass 174	2363	0.53	(0.74) [a]	Pass
174	50.0 - 200.0% of mass 95	319168	71.1		Pass
175	5.0 - 9.0% of mass 174	22880	5.10	(7.17) [a]	Pass
176	95.0 - 105.0% of mass 174	307329	68.5	(96.3) [a]	Pass
177	5.0 - 10.0% of mass 176	19997	4.46	(6.51) [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
V3B23-CC13	3B000506.D	10/08/24	09:36	00:31	Continuing cal 5
V3B23-BS	3B000507.D	10/08/24	10:07	01:02	Blank Spike
V3B23-MB	3B000509.D	10/08/24	10:55	01:50	Method Blank
FC19293-2	3B000510.D	10/08/24	11:26	02:21	(used for QC only; not part of job FC19317A)
ZZZZZZ	3B000511.D	10/08/24	11:50	02:45	(unrelated sample)
ZZZZZZ	3B000512.D	10/08/24	12:14	03:09	(unrelated sample)
ZZZZZZ	3B000513.D	10/08/24	12:38	03:33	(unrelated sample)
ZZZZZZ	3B000514.D	10/08/24	13:03	03:58	(unrelated sample)
ZZZZZZ	3B000515.D	10/08/24	13:27	04:22	(unrelated sample)
ZZZZZZ	3B000516.D	10/08/24	13:51	04:46	(unrelated sample)
ZZZZZZ	3B000517.D	10/08/24	14:15	05:10	(unrelated sample)
FC19317-1	3B000518.D	10/08/24	14:39	05:34	789VMW-251_0924
ZZZZZZ	3B000519.D	10/08/24	15:03	05:58	(unrelated sample)
ZZZZZZ	3B000520.D	10/08/24	15:27	06:22	(unrelated sample)
ZZZZZZ	3B000521.D	10/08/24	15:51	06:46	(unrelated sample)
ZZZZZZ	3B000522.D	10/08/24	16:15	07:10	(unrelated sample)
ZZZZZZ	3B000523.D	10/08/24	16:39	07:34	(unrelated sample)
ZZZZZZ	3B000524.D	10/08/24	17:03	07:58	(unrelated sample)
ZZZZZZ	3B000525.D	10/08/24	17:27	08:22	(unrelated sample)
ZZZZZZ	3B000526.D	10/08/24	17:51	08:46	(unrelated sample)
ZZZZZZ	3B000527.D	10/08/24	18:15	09:10	(unrelated sample)
ZZZZZZ	3B000528.D	10/08/24	18:39	09:34	(unrelated sample)
ZZZZZZ	3B000529.D	10/08/24	19:03	09:58	(unrelated sample)
FC19293-2MS	3B000530.D	10/08/24	19:27	10:22	Matrix Spike
FC19293-2MSD	3B000531.D	10/08/24	19:52	10:47	Matrix Spike Duplicate
V3B23-ECC13	3B000532.D	10/08/24	20:15	11:10	Ending cal 5

Internal Standard Area Summary

Job Number: FC19317A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Check Std:	V3B23-CC13	**Injection Date:**	10/08/24
Lab File ID:	3B000506.D	**Injection Time:**	09:36
Instrument ID:	GCMS3B	**Method:**	SW846 8260D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Initial Cal [a]	1735079	3.78	1083347	5.76	559701	7.51
Check Std [b]	2180517	3.79	1355226	5.77	648925	7.52
Upper Limit [c]	4361034	3.96	2710452	5.94	1297850	7.69
Lower Limit [d]	1090259	3.62	677613	5.60	324463	7.35

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V3B23-BS	2145550	3.78	1363441	5.77	641982	7.51
V3B23-MB [e]	2258895	3.78	1408557	5.77	635724	7.51
FC19293-2	2089018	3.78	1307501	5.77	604056	7.51
ZZZZZZ	2179299	3.78	1387531	5.77	636408	7.51
ZZZZZZ	2146442	3.78	1356049	5.77	632814	7.51
ZZZZZZ	2010028	3.78	1291347	5.77	602452	7.51
ZZZZZZ	2109824	3.78	1307509	5.77	596001	7.51
ZZZZZZ	1920249	3.78	1238840	5.77	578651	7.51
ZZZZZZ	1980616	3.78	1255469	5.77	572749	7.51
ZZZZZZ	1828365	3.78	1166728	5.77	542720	7.51
FC19317-1	1824757	3.78	1166785	5.77	533183	7.51
ZZZZZZ	1794716	3.78	1137617	5.77	525039	7.51
ZZZZZZ	1929765	3.78	1218121	5.77	551784	7.51
ZZZZZZ	1871465	3.78	1189309	5.77	544023	7.51
ZZZZZZ	1842178	3.78	1193234	5.77	552759	7.51
ZZZZZZ	1793748	3.78	1130291	5.77	522930	7.51
ZZZZZZ	1790248	3.78	1152425	5.77	538719	7.51
ZZZZZZ	1738605	3.78	1118832	5.77	523493	7.51
ZZZZZZ	1571823	3.78	1015392	5.77	478277	7.51
ZZZZZZ	1777506	3.78	1166136	5.77	547478	7.51
ZZZZZZ	1684529	3.78	1079117	5.77	506966	7.51
ZZZZZZ	1674493	3.78	1076754	5.77	508266	7.51
FC19293-2MS	1586798	3.78	1058512	5.77	517905	7.51
FC19293-2MSD	1628991	3.78	1049713	5.77	509330	7.51
V3B23-ECC13	1644497	3.78	1081151	5.77	540755	7.51

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5
IS 3 = 1,4-Dichlorobenzene-d4

(a) Initial Cal is: V3B13-ICC13 3B000251.D 09/24/24 14:08
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.

Internal Standard Area Summary

Job Number: FC19317A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Check Std:	V3B23-CC13	**Injection Date:**	10/08/24
Lab File ID:	3B000506.D	**Injection Time:**	09:36
Instrument ID:	GCMS3B	**Method:**	SW846 8260D

Lab Sample ID	IS 1 AREA	IS 1 RT	IS 2 AREA	IS 2 RT	IS 3 AREA	IS 3 RT

(d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.
(e) Sample was treated with an anti-foaming agent.

Surrogate Recovery Summary

Job Number: FC19317A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, 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
FC19317-1	3B000518.D	100	96	96	104
FC19293-2MS	3B000530.D	105	102	97	102
FC19293-2MSD	3B000531.D	102	101	97	102
V3B23-BS	3B000507.D	98	94	99	104
V3B23-MB	3B000509.D	94	91	96	105

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	83-118%
S2 = 1,2-Dichloroethane-D4	79-125%
S3 = Toluene-D8	85-112%
S4 = 4-Bromofluorobenzene	83-118%

Initial Calibration Summary

Job Number: FC19317A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V3B13-ICC13
Lab FileID: 3B000251.D

Response Factor Report MSVOA22-3B

Method : C:\MassHunter\GC..._8260_09242024.M (RTE Integrator)
Title : SW-846 Method 5035A/8260D
Last Update : Wed Sep 25 06:45:21 2024
Response via : Initial Calibration

Calibration Files
1 =3B000246.D 2 =3B000248.D 3 =3B000249.D 4 =3B000250.D
5 =3B000251.D 6 =3B000252.D 7 =3B000253.D 8 =3B000247.D

Compound	1	2	3	4	5	6	7	8	Avg	%RSD
1) I Fluorobenzene	----------	----------	----------	----------	ISTD	----------	----------	----------		
2) Dichlorodifl	0.282	0.310	0.305	0.327	0.335	0.335	0.333	0.282	0.314	7.24
3) Chloromethan	0.264	0.294	0.303	0.311	0.333	0.321	0.329	0.283	0.305	7.71
4) 1,3-butadien	0.258	0.267	0.255	0.253	0.249	0.243	0.246	0.261	0.254	3.14
5) Vinyl Chlori	0.246	0.288	0.285	0.298	0.313	0.312	0.322	0.273	0.292	8.43
6) Bromomethane	0.055	0.052	0.056	0.063	0.072	0.075	0.082	0.051	0.063	18.78
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9991										
Response Ratio = 0.00000 + 0.05783 *A + 0.01245 *A^2										
7) Chloroethane	0.087	0.103	0.105	0.108	0.109	0.088	0.076	0.123	0.100	15.18
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9979										
Response Ratio = 0.00000 + 0.11836 *A + -0.02089 *A^2										
8) Trichloroflu	0.231	0.248	0.253	0.262	0.266	0.235	0.202	0.240	0.242	8.45
9) Ethyl Ether	0.242	0.266	0.253	0.248	0.253	0.241	0.225	0.259	0.248	5.15
10) Ethanol		0.002	0.002	0.002	0.002	0.001	0.001		0.002	19.70
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9921										
Response Ratio = 0.00000 + 0.00193 *A + -0.00002 *A^2										
11) 1,2-Dichloro	0.290	0.322	0.293	0.299	0.305	0.299	0.292	0.299	0.300	3.38
12) 1,1-Dichloro	0.373	0.433	0.399	0.408	0.416	0.404	0.394	0.405	0.404	4.30
13) Freon 113	0.217	0.260	0.233	0.237	0.242	0.234	0.229	0.249	0.238	5.47
14) Carbon Disul	0.683	0.756	0.688	0.701	0.716	0.699	0.677	0.729	0.706	3.75
15) Iodomethane	0.177	0.115	0.116	0.131	0.172	0.182	0.198	0.129	0.152	21.60
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9969										
Response Ratio = 0.00000 + 0.12645 *A + 0.03704 *A^2										
16) Acrolein	0.029	0.049	0.045	0.047	0.047	0.048	0.047	0.036	0.043	16.59
---- Linear regr., Force(0,0) ---- Coefficient = 0.9997										
Response Ratio = 0.00000 + 0.04717 *A										
17) Allyl chlori	0.381	0.451	0.429	0.447	0.439	0.449	0.439	0.413	0.431	5.45
18) Methylene Ch		0.530	0.447	0.385	0.378	0.356	0.343	0.840	0.468	37.53
---- Linear regr., Force(0,0) ---- Coefficient = 0.9994										
Response Ratio = 0.00000 + 0.36827 *A										
19) Acetone	0.068	0.091	0.083	0.085	0.082	0.083	0.075	0.073	0.080	9.33
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9991										
Response Ratio = 0.00000 + 0.08708 *A + -0.00106 *A^2										
20) Methyl aceta	0.209	0.281	0.262	0.264	0.259	0.257	0.248	0.233	0.251	8.75
21) trans-1,2-Di	0.346	0.420	0.386	0.389	0.395	0.380	0.369	0.412	0.387	6.05
22) Hexane	0.248	0.298	0.271	0.274	0.274	0.259	0.256	0.284	0.270	5.95
23) Methyl Tert	0.685	0.869	0.806	0.817	0.819	0.792	0.773	0.799	0.795	6.60
24) Acetonitrile	0.045	0.038	0.034	0.034	0.032	0.031	0.028	0.037	0.035	15.36
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9995										

```
              Response Ratio = 0.00000 + 0.03614 *A + -0.00041 *A^2

25) Tert Butyl A 0.021 0.038 0.031 0.036 0.034 0.038 0.037 0.024 0.032  20.61
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9977
              Response Ratio = 0.00000 + 0.03639 *A

26) Di-isopropyl 0.862 1.039 0.974 0.995 1.014 0.980 0.955 0.975 0.974   5.39
27) Chloroprene  0.576 0.758 0.680 0.689 0.678 0.677 0.668 0.591 0.665   8.66
28) 1,1-Dichloro 0.450 0.543 0.507 0.503 0.511 0.497 0.484 0.507 0.500   5.25
29) Acrylonitril 0.077 0.102 0.090 0.097 0.090 0.093 0.092 0.081 0.090   8.82
30) ETBE         0.792 0.994 0.929 0.931 0.944 0.890 0.853 0.934 0.908   6.85
31) Vinyl acetat 0.572 0.742 0.690 0.683 0.651 0.586 0.523 0.646 0.637  11.27
32) cis-1,2-Dich 0.247 0.293 0.268 0.276 0.279 0.273 0.269 0.270 0.272   4.83
33) 2,2-Dichloro 0.374 0.409 0.376 0.385 0.393 0.382 0.374 0.419 0.389   4.36
34) Bromochlorom 0.115 0.133 0.127 0.121 0.126 0.117 0.113 0.122 0.122   5.71
35) Cyclohexane  0.497 0.565 0.525 0.533 0.543 0.518 0.509 0.553 0.530   4.28
36) Chloroform   0.445 0.502 0.463 0.464 0.474 0.459 0.448 0.481 0.467   3.96
37) Ethyl acetat 0.574 0.745 0.693 0.685 0.654 0.589 0.526 0.650 0.640  11.26
38) Tetrahydrofu 0.093 0.123 0.111 0.118 0.115 0.115 0.107 0.092 0.109  10.28
39) Dibromofluor 0.221 0.224 0.223 0.228 0.228 0.226 0.223 0.220 0.224   1.28
40) Carbon Tetra 0.270 0.327 0.305 0.323 0.327 0.321 0.316 0.311 0.312   6.01
41) 1,1,1-Trichl 0.361 0.410 0.382 0.392 0.393 0.384 0.383 0.414 0.390   4.32
42) 2-Butanone   0.111 0.173 0.153 0.164 0.156 0.165 0.159 0.123 0.151  14.53
43) 1,1-Dichloro 0.301 0.358 0.325 0.327 0.335 0.325 0.319 0.345 0.329   5.17
44) tert-Butyl f 0.185 0.281 0.262 0.251 0.246 0.246 0.235 0.251 0.245  11.27
45) Propionitril 0.036 0.054 0.049 0.050 0.046 0.046 0.044 0.039 0.045  12.68
46) Methacryloni 0.177 0.232 0.216 0.217 0.201 0.194 0.178 0.197 0.202   9.62
47) Benzene      1.003 1.167 1.073 1.055 1.058 1.003 0.961 1.141 1.058   6.63
48) TAME         0.629 0.813 0.753 0.784 0.801 0.777 0.757 0.742 0.757   7.54
49) 1,2-Dichloro 0.286 0.280 0.279 0.286 0.288 0.253 0.247 0.282 0.275   5.76
50) 1,2-Dichloro 0.330 0.393 0.365 0.363 0.369 0.353 0.346 0.385 0.363   5.65
51) Isobutyl Alc 0.004 0.009 0.009 0.010 0.010 0.010 0.011 0.005 0.008  28.25
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9987
              Response Ratio = 0.00000 + 0.00887 *A + 0.00005 *A^2

52) Tert Amyl Al 0.010 0.021 0.017 0.022 0.021 0.024 0.024 0.012 0.019  28.39
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9976
              Response Ratio = 0.00000 + 0.01913 *A + 0.00027 *A^2

53) Trichloroeth 0.248 0.286 0.265 0.262 0.266 0.258 0.250 0.280 0.264   5.02
54) Methylcycloh 0.427 0.480 0.447 0.458 0.468 0.442 0.434 0.449 0.451   3.88
55) Dibromometha 0.146 0.163 0.152 0.156 0.160 0.155 0.153 0.155 0.155   3.36
56) 1,2-Dichloro 0.267 0.309 0.290 0.293 0.296 0.287 0.283 0.304 0.291   4.45
57) Bromodichlor 0.283 0.339 0.323 0.335 0.346 0.340 0.336 0.323 0.328   6.02
58) Methyl metha 0.200 0.270 0.260 0.290 0.279 0.301 0.291 0.217 0.264  13.85
59) 1,4-Dioxane  0.001 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002  13.99
60) 2-Chloroethy 0.145 0.232 0.210 0.201 0.193 0.191 0.182 0.197 0.194  12.80
61) cis-1,3-Dich 0.360 0.440 0.435 0.436 0.447 0.435 0.426 0.436 0.427   6.46

62) I   Chlorobenzene-d5      ----------------ISTD--------------------
63) Toluene-d8   1.462 1.481 1.490 1.491 1.512 1.529 1.549 1.465 1.497   2.05
64) Toluene      1.572 1.846 1.706 1.706 1.750 1.704 1.672 1.757 1.714   4.56
65) 2-Nitropropa 0.010 0.017 0.014 0.013 0.013 0.013 0.013 0.015 0.013  14.40
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9979
              Response Ratio = 0.00000 + 0.01392 *A + -0.00013 *A^2

66) 4-Methyl-2-p 0.323 0.515 0.467 0.502 0.489 0.527 0.495 0.363 0.460  16.34
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9985
              Response Ratio = 0.00000 + 0.48910 *A + 0.00177 *A^2
```

Initial Calibration Summary

Job Number: FC19317A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V3B13-ICC13
Lab FileID: 3B000251.D

```
 67) trans-1,3-Di 0.575 0.700 0.696 0.685 0.716 0.695 0.692 0.700 0.682   6.48
 68) Tetrachloroe 0.370 0.456 0.428 0.436 0.454 0.446 0.452 0.419 0.433   6.63
 69) Ethyl methac 0.351 0.487 0.483 0.515 0.513 0.544 0.535 0.408 0.480  13.96
 70) 1,1,2-Trichl 0.284 0.338 0.317 0.312 0.324 0.308 0.306 0.326 0.314   5.12
 71) Dibromochlor 0.264 0.347 0.345 0.358 0.382 0.375 0.378 0.317 0.346  11.38
 72) 1,3-Dichloro 0.603 0.732 0.693 0.674 0.698 0.675 0.674 0.695 0.680   5.42
 73) 1,2-Dibromoe 0.317 0.403 0.379 0.386 0.401 0.392 0.391 0.365 0.379   7.35
 74) 3,3-Dimethyl 0.020 0.044 0.038 0.044 0.042 0.051 0.050 0.026 0.039  28.02
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9973
              Response Ratio = 0.00000 + 0.03936 *A + 0.00012 *A^2

 75) 2-hexanone   0.237 0.434 0.380 0.413 0.397 0.447 0.426 0.286 0.378  20.07
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9980
              Response Ratio = 0.00000 + 0.39359 *A + 0.00422 *A^2

 76) 1-Chlorohexa 0.574 0.623 0.573 0.572 0.580 0.563 0.540 0.595 0.578   4.17
 77) Ethylbenzene 1.749 2.069 1.909 1.838 1.887 1.811 1.778 1.923 1.871   5.42
 78) Chlorobenzen 0.953 1.119 1.043 1.023 1.052 1.019 1.001 1.075 1.036   4.80
 79) 1,1,1,2-Tetr 0.281 0.346 0.338 0.345 0.364 0.356 0.354 0.321 0.338   7.82
 80) m,p-Xylene   1.278 1.584 1.463 1.457 1.474 1.391 1.323 1.511 1.435   6.96
 81) o-Xylene     1.238 1.561 1.456 1.479 1.529 1.485 1.473 1.446 1.458   6.64
 82) Styrene      0.874 1.170 1.117 1.168 1.215 1.188 1.189 0.994 1.114  10.69
 83) Bromoform    0.149 0.202 0.198 0.226 0.242 0.247 0.251 0.168 0.210  17.88
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9992
              Response Ratio = 0.00000 + 0.21391 *A + 0.02045 *A^2

 84) Isopropylben 1.440 1.838 1.706 1.747 1.813 1.746 1.729 1.682 1.713   7.10

 85) I   1,4-Dichlorobenzene-d ----------------ISTD---------------------
 86) 4-Bromofluor 0.780 0.771 0.774 0.767 0.755 0.770 0.771 0.777 0.771   1.00
 87) cis-1,4-Dich 0.262 0.360 0.353 0.379 0.358 0.389 0.385 0.289 0.347  13.47
 88) n-Propylbenz 3.734 4.462 4.149 4.208 4.129 4.010 3.903 4.222 4.102   5.38
 89) Bromobenzene 0.756 0.871 0.825 0.813 0.797 0.795 0.785 0.838 0.810   4.33
 90) 1,1,2,2-Tetr 0.744 1.062 0.972 1.018 0.975 1.005 0.983 0.865 0.953  10.64
 91) 1,3,5-Trimet 2.480 3.174 2.959 2.955 2.976 2.836 2.757 2.997 2.892   7.13
 92) 2-Chlorotolu 2.501 2.993 2.770 2.789 2.743 2.691 2.640 2.829 2.744   5.23
 93) trans-1,4-Di 0.171 0.291 0.264 0.283 0.269 0.291 0.287 0.209 0.258  17.23
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9990
              Response Ratio = 0.00000 + 0.26747 *A + 0.01124 *A^2

 94) 1,2,3-Trichl 0.245 0.358 0.321 0.327 0.307 0.311 0.301 0.316 0.311  10.23
 95) Cyclohexanon       0.032 0.029 0.029 0.027 0.028 0.028 0.022 0.028  10.86
 96) 4-Chlorotolu 2.297 2.824 2.659 2.657 2.625 2.567 2.529 2.664 2.603   5.80
 97) tert-Butylbe 1.442 1.780 1.647 1.666 1.669 1.611 1.577 1.624 1.627   5.88
 98) 1,2,4-Trimet 2.399 3.110 2.941 2.962 2.988 2.877 2.792 2.883 2.869   7.37
 99) Pentachloroe 0.314 0.352 0.343 0.355 0.348 0.362 0.335 0.325 0.342   4.66
100) sec-Butylben 2.956 3.737 3.514 3.572 3.604 3.464 3.370 3.557 3.472   6.74
101) 4-Isopropylt 2.452 3.107 2.980 3.034 3.064 2.912 2.812 2.822 2.898   7.25
102) 1,3-Dichloro 1.389 1.611 1.537 1.535 1.545 1.504 1.479 1.546 1.518   4.24
103) 1,2,3-Trimet 2.572 3.203 3.013 3.015 3.051 2.898 2.795 2.967 2.939   6.45
104) 1,4-Dichloro 1.416 1.645 1.543 1.526 1.544 1.482 1.460 1.569 1.523   4.64
105) n-Butylbenze 1.325 1.690 1.625 1.682 1.710 1.605 1.551 1.505 1.587   8.02
106) Benzyl Chlor 0.242 0.371 0.356 0.399 0.405 0.408 0.396 0.299 0.359  16.66
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9992
              Response Ratio = 0.00000 + 0.38586 *A + 0.00867 *A^2

107) 1,2-Dichloro 1.288 1.576 1.476 1.462 1.487 1.433 1.409 1.480 1.451   5.65
108) 1,2-Dibromo- 0.138 0.197 0.175 0.194 0.191 0.197 0.195 0.157 0.180  12.35
109) Hexachlorobu 0.389 0.379 0.373 0.374 0.372 0.331 0.318 0.401 0.367   7.71
110) 1,2,4-Trichl 0.844 1.048 0.992 1.002 0.999 0.929 0.889 0.969 0.959   6.99
```

Initial Calibration Summary

Job Number: FC19317A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V3B13-ICC13
Lab FileID: 3B000251.D

```
111) Naphthalene  2.424 3.265 3.086 3.171 3.113 2.949 2.831 2.784 2.953   9.16
112) 1,2,3-Trichl 0.854 1.024 0.981 0.954 0.946 0.876 0.847 0.988 0.934   7.16
 ------------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           V3B13_8260_09242024.M        Wed Sep 25 06:55:57 2024
```

Initial Calibration Verification

Job Number: FC19317A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V3B13-ICV13
Lab FileID: 3B000255.D

Evaluate Continuing Calibration Report

Data File : C:\MassHunter\GCMS\1\data\092424\3B000255.D Vial: 11
Acq On : 24 Sep 2024 03:43 pm Operator: davidb2
Sample : ICV13-5 Inst : MSVOA22-3B
Misc : ms57558,V3B13,,,,, Multiplr: 1.00
MS Integration Params: med.p

Method : C:\MassHunter\GC..._8260_09242024.M (RTE Integrator)
Title : SW-846 Method 5035A/8260D
Last Update : Wed Sep 25 06:45:21 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	101	0.00	3.78
2	Dichlorodifluoromethane	0.314	0.289	8.0	87	0.00	1.18
3	Chloromethane	0.305	0.280	8.2	85	0.00	1.32
4	1,3-butadiene	0.254	0.263	-3.5	107	0.00	1.37
5	Vinyl Chloride	0.292	0.277	5.1	90	0.00	1.36
		Amount	Calc.	%Drift			
6	Bromomethane	40.000	43.960	-9.9	106	0.00	1.57
7	Chloroethane	40.000	41.303	-3.3	97	0.00	1.65
		AvgRF	CCRF	%Dev			
8	Trichlorofluoromethane	0.242	0.228	5.8	87	0.00	1.73
9	Ethyl Ether	0.248	0.232	6.5	93	0.00	1.92
		Amount	Calc.	%Drift			
10	Ethanol			NA			
		AvgRF	CCRF	%Dev			
11	1,2-Dichlorotrifluoroetha	0.300	0.286	4.7	95	0.00	2.02
12	1,1-Dichloroethene	0.404	0.403	0.2	98	0.00	2.03
13	Freon 113	0.238	0.220	7.6	92	0.00	2.06
14	Carbon Disulfide	0.706	0.608	13.9	86	0.00	2.06
		Amount	Calc.	%Drift			
15	Iodomethane	40.000	39.255	1.9	90	0.00	2.12
16	Acrolein	200.000	212.341	-6.2	109	0.00	2.22
		AvgRF	CCRF	%Dev			
17	Allyl chloride	0.431	0.453	-5.1	105	0.00	2.30
		Amount	Calc.	%Drift			
18	Methylene Chloride	40.000	41.964	-4.9	104	0.00	2.36
19	Acetone	200.000	238.102	-19.1	121	0.00	2.38
		AvgRF	CCRF	%Dev			
20	Methyl acetate	0.251	0.268	-6.8	105	0.00	2.45
21	trans-1,2-Dichloroethene	0.387	0.401	-3.6	103	0.00	2.45
22	Hexane	0.270	0.232	14.1	86	0.00	2.49
23	Methyl Tert Butyl Ether	0.795	0.801	-0.8	99	0.00	2.50
		Amount	Calc.	%Drift			
24	Acetonitrile	400.000	476.821	-19.2	120	0.00	2.64

Initial Calibration Verification

Job Number: FC19317A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V3B13-ICV13
Lab FileID: 3B000255.D

25		Tert Butyl Alcohol	400.000	442.099	-10.5	119	0.00	2.54
			AvgRF	CCRF	%Dev			
26		Di-isopropyl ether	0.974	0.937	3.8	94	0.00	2.70
27		Chloroprene	0.665	0.692	-4.1	104	0.00	2.81
28		1,1-Dichloroethane	0.500	0.517	-3.4	103	0.00	2.78
29		Acrylonitrile	0.090	0.096	-6.7	108	0.00	2.81
30		ETBE	0.908	0.880	3.1	95	0.00	2.90
31		Vinyl acetate	0.637	0.679	-6.6	106	0.00	2.90
32		cis-1,2-Dichloroethene	0.272	0.290	-6.6	105	0.00	3.07
33		2,2-Dichloropropane	0.389	0.400	-2.8	103	0.00	3.14
34		Bromochloromethane	0.122	0.118	3.3	95	0.00	3.18
35		Cyclohexane	0.530	0.480	9.4	90	0.00	3.20
36		Chloroform	0.467	0.489	-4.7	105	0.00	3.22
37		Ethyl acetate	0.640	0.682	-6.6	106	0.00	2.90
38		Tetrahydrofuran	0.109	0.110	-0.9	97	0.00	3.31
39	S	Dibromofluoromethane	0.224	0.227	-1.3	101	0.00	3.32
40		Carbon Tetrachloride	0.312	0.326	-4.5	101	0.00	3.31
41		1,1,1-Trichloroethane	0.390	0.408	-4.6	105	0.00	3.34
42		2-Butanone	0.151	0.168	-11.3	109	0.00	3.39
43		1,1-Dichloropropene	0.329	0.374	-13.7	113	0.00	3.41
44		tert-Butyl formate		----------NA----------				
45		Propionitrile		----------NA----------				
46		Methacrylonitrile	0.202	0.224	-10.9	113	0.00	3.57
47		Benzene	1.058	1.081	-2.2	104	0.00	3.55
48		TAME	0.757	0.748	1.2	95	0.00	3.61
49	S	1,2-Dichloroethane-d4	0.275	0.289	-5.1	102	0.00	3.62
50		1,2-Dichloroethane	0.363	0.387	-6.6	106	0.00	3.66
			Amount	Calc.	%Drift			
51		Isobutyl Alcohol	800.000	941.149	-17.6	122	0.00	3.64
52		Tert Amyl Alcohol	400.000	472.900	-18.2	124	0.00	3.70
			AvgRF	CCRF	%Dev			
53		Trichloroethene	0.264	0.279	-5.7	106	0.00	3.88
54		Methylcyclohexane	0.451	0.429	4.9	93	0.00	3.89
55		Dibromomethane	0.155	0.165	-6.5	105	0.00	4.13
56		1,2-Dichloropropane	0.291	0.308	-5.8	106	0.00	4.19
57		Bromodichloromethane	0.328	0.351	-7.0	103	0.00	4.22
58		Methyl methacrylate	0.264	0.310	-17.4	113	0.00	4.30
59		1,4-Dioxane	0.002	0.002	0.0	112	0.00	4.34
60		2-Chloroethyl vinyl ether	0.194	0.212	-9.3	112	0.00	4.56
61		cis-1,3-Dichloropropene	0.427	0.448	-4.9	102	0.00	4.60
62	I	Chlorobenzene-d5	1.000	1.000	0.0	102	0.00	5.76
63	S	Toluene-d8	1.497	1.503	-0.4	101	0.00	4.73
64		Toluene	1.714	1.803	-5.2	105	0.00	4.76
			Amount	Calc.	%Drift			
65		2-Nitropropane	200.000	235.063	-17.5	119	0.00	4.56
66		4-Methyl-2-pentanone	200.000	220.724	-10.4	114	0.00	5.00
			AvgRF	CCRF	%Dev			
67		trans-1,3-Dichloropropene	0.682	0.714	-4.7	102	0.00	4.60
68		Tetrachloroethene	0.433	0.500	-15.5	112	0.00	5.01
69		Ethyl methacrylate		----------NA----------				
70		1,1,2-Trichloroethane	0.314	0.339	-8.0	107	0.00	5.13
71		Dibromochloromethane	0.346	0.400	-15.6	107	0.00	5.25
72		1,3-Dichloropropane	0.680	0.748	-10.0	109	0.00	5.31
73		1,2-Dibromoethane	0.379	0.424	-11.9	108	0.00	5.42

Initial Calibration Verification

Job Number: FC19317A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V3B13-ICV13
Lab FileID: 3B000255.D

			Amount	Calc.	%Drift			
74		3,3-Dimethyl-1-Butanol	2000.000	2235.033	-11.8	120	0.00	5.53
75		2-hexanone	200.000	223.752	-11.9	118	0.00	5.56
			AvgRF	CCRF	%Dev			
76		1-Chlorohexane	0.578	0.506	12.5	89	0.00	5.76
77		Ethylbenzene	1.871	1.890	-1.0	102	0.00	5.79
78		Chlorobenzene	1.036	1.073	-3.6	104	0.00	5.78
79		1,1,1,2-Tetrachloroethane	0.338	0.381	-12.7	107	0.00	5.82
80		m,p-Xylene	1.435	1.482	-3.3	102	0.00	5.90
81		o-Xylene	1.458	1.518	-4.1	101	0.00	6.21
82		Styrene	1.114	1.237	-11.0	104	0.00	6.24
			Amount	Calc.	%Drift			
83		Bromoform	40.000	43.062	-7.7	105	0.00	6.27
			AvgRF	CCRF	%Dev			
84		Isopropylbenzene	1.713	1.819	-6.2	102	0.00	6.44
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00	7.51
86	S	4-Bromofluorobenzene	0.771	0.759	1.6	101	0.00	6.65
87		cis-1,4-Dichloro-2-butene	0.347	0.413	-19.0	116	0.00	6.70
88		n-Propylbenzene	4.102	4.230	-3.1	103	0.00	6.76
89		Bromobenzene	0.810	0.845	-4.3	106	0.00	6.73
90		1,1,2,2-Tetrachloroethane	0.953	1.085	-13.9	111	0.00	6.80
91		1,3,5-Trimethylbenzene	2.892	3.084	-6.6	104	0.00	6.91
92		2-Chlorotoluene	2.744	2.829	-3.1	103	0.00	6.87
			Amount	Calc.	%Drift			
93		trans-1,4-Dichloro-2-Bute	40.000	43.571	-8.9	113	0.00	6.94
			AvgRF	CCRF	%Dev			
94		1,2,3-Trichloropropane	0.311	0.346	-11.3	113	0.00	6.91
95		Cyclohexanone	0.028	0.067	-139.3#	244#	0.00	6.94
96		4-Chlorotoluene	2.603	2.689	-3.3	103	0.00	7.00
97		tert-Butylbenzene	1.627	1.687	-3.7	101	0.00	7.15
98		1,2,4-Trimethylbenzene	2.869	3.091	-7.7	104	0.00	7.21
99		Pentachloroethane	0.342	0.337	1.5	97	0.00	7.17
100		sec-Butylbenzene	3.472	3.501	-0.8	97	0.00	7.29
101		4-Isopropyltoluene	2.898	3.038	-4.8	99	0.00	7.40
102		1,3-Dichlorobenzene	1.518	1.577	-3.9	102	0.00	7.46
103		1,2,3-Trimethylbenzene	2.939	3.074	-4.6	101	0.00	7.54
104		1,4-Dichlorobenzene	1.523	1.591	-4.5	103	0.00	7.53
105		n-Butylbenzene	1.587	1.782	-12.3	104	0.00	7.72
			Amount	Calc.	%Drift			
106		Benzyl Chloride	40.000	41.330	-3.3	100	0.00	7.71
			AvgRF	CCRF	%Dev			
107		1,2-Dichlorobenzene	1.451	1.521	-4.8	102	0.00	7.84
108		1,2-Dibromo-3-Chloropropa		----------NA----------				
109		Hexachlorobutadiene	0.367	0.360	1.9	97	0.00	8.85
110		1,2,4-Trichlorobenzene	0.959	1.018	-6.2	102	0.00	8.86
111		Naphthalene	2.953	3.266	-10.6	105	0.00	9.07
112		1,2,3-Trichlorobenzene	0.934	0.976	-4.5	103	0.00	9.20

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

Initial Calibration Verification

Job Number: FC19317A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V3B13-ICV13
Lab FileID: 3B000255.D

3B000251.D V3B13_8260_09242024.M Wed Sep 25 06:55:48 2024

Initial Calibration Verification

Job Number: FC19317A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V3B13-ICV13
Lab FileID: 3B000256.D

Evaluate Continuing Calibration Report

Data File : C:\MassHunter\GCMS\1\data\092424\3B000256.D Vial: 12
Acq On : 24 Sep 2024 04:07 pm Operator: davidb2
Sample : ICV13-4 Inst : MSVOA22-3B
Misc : ms57558,V3B13,,,,, Multiplr: 1.00
MS Integration Params: med.p

Method : C:\MassHunter\GC..._8260_09242024.M (RTE Integrator)
Title : SW-846 Method 5035A/8260D
Last Update : Wed Sep 25 06:45:21 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00	3.78
2	Dichlorodifluoromethane		----------	NA	----------		
3	Chloromethane		----------	NA	----------		
4	1,3-butadiene		----------	NA	----------		
5	Vinyl Chloride		----------	NA	----------		
	----------	Amount	Calc.	%Drift	----------		
6	Bromomethane		----------	NA	----------		
7	Chloroethane		----------	NA	----------		
	----------	AvgRF	CCRF	%Dev	----------		
8	Trichlorofluoromethane		----------	NA	----------		
9	Ethyl Ether		----------	NA	----------		
	----------	Amount	Calc.	%Drift	----------		
10	Ethanol	500.000	490.694	1.9	87	-0.01	1.99
	----------	AvgRF	CCRF	%Dev	----------		
11	1,2-Dichlorotrifluoroetha		----------	NA	----------		
12	1,1-Dichloroethene		----------	NA	----------		
13	Freon 113		----------	NA	----------		
14	Carbon Disulfide		----------	NA	----------		
	----------	Amount	Calc.	%Drift	----------		
15	Iodomethane		----------	NA	----------		
16	Acrolein		----------	NA	----------		
	----------	AvgRF	CCRF	%Dev	----------		
17	Allyl chloride		----------	NA	----------		
	----------	Amount	Calc.	%Drift	----------		
18	Methylene Chloride		----------	NA	----------		
19	Acetone		----------	NA	----------		
	----------	AvgRF	CCRF	%Dev	----------		
20	Methyl acetate		----------	NA	----------		
21	trans-1,2-Dichloroethene		----------	NA	----------		
22	Hexane		----------	NA	----------		
23	Methyl Tert Butyl Ether		----------	NA	----------		
	----------	Amount	Calc.	%Drift	----------		
24	Acetonitrile		----------	NA	----------		

Initial Calibration Verification

Job Number: FC19317A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V3B13-ICV13
Lab FileID: 3B000256.D

			AvgRF	CCRF	%Dev			
25		Tert Butyl Alcohol		----------NA----------				
			AvgRF	CCRF	%Dev			
26		Di-isopropyl ether		----------NA----------				
27		Chloroprene		----------NA----------				
28		1,1-Dichloroethane		----------NA----------				
29		Acrylonitrile		----------NA----------				
30		ETBE		----------NA----------				
31		Vinyl acetate		----------NA----------				
32		cis-1,2-Dichloroethene		----------NA----------				
33		2,2-Dichloropropane		----------NA----------				
34		Bromochloromethane		----------NA----------				
35		Cyclohexane		----------NA----------				
36		Chloroform		----------NA----------				
37		Ethyl acetate		----------NA----------				
38		Tetrahydrofuran		----------NA----------				
39	S	Dibromofluoromethane	0.224	0.226	-0.9	99	0.00	3.32
40		Carbon Tetrachloride		----------NA----------				
41		1,1,1-Trichloroethane		----------NA----------				
42		2-Butanone		----------NA----------				
43		1,1-Dichloropropene		----------NA----------				
44		tert-Butyl formate	0.245	0.315	-28.6#	126	0.00	3.46
45		Propionitrile	0.045	0.051	-13.3	102	0.00	3.55
46		Methacrylonitrile		----------NA----------				
47		Benzene		----------NA----------				
48		TAME		----------NA----------				
49	S	1,2-Dichloroethane-d4	0.275	0.286	-4.0	100	0.00	3.62
50		1,2-Dichloroethane		----------NA----------				
			Amount	Calc.	%Drift			
51		Isobutyl Alcohol		----------NA----------				
52		Tert Amyl Alcohol		----------NA----------				
			AvgRF	CCRF	%Dev			
53		Trichloroethene		----------NA----------				
54		Methylcyclohexane		----------NA----------				
55		Dibromomethane		----------NA----------				
56		1,2-Dichloropropane		----------NA----------				
57		Bromodichloromethane		----------NA----------				
58		Methyl methacrylate		----------NA----------				
59		1,4-Dioxane		----------NA----------				
60		2-Chloroethyl vinyl ether		----------NA----------				
61		cis-1,3-Dichloropropene		----------NA----------				
62	I	Chlorobenzene-d5	1.000	1.000	0.0	99	0.00	5.76
63	S	Toluene-d8	1.497	1.497	0.0	99	0.00	4.73
64		Toluene		----------NA----------				
			Amount	Calc.	%Drift			
65		2-Nitropropane		----------NA----------				
66		4-Methyl-2-pentanone		----------NA----------				
			AvgRF	CCRF	%Dev			
67		trans-1,3-Dichloropropene		----------NA----------				
68		Tetrachloroethene		----------NA----------				
69		Ethyl methacrylate	0.480	0.571	-19.0	110	0.00	5.12
70		1,1,2-Trichloroethane		----------NA----------				
71		Dibromochloromethane		----------NA----------				
72		1,3-Dichloropropane		----------NA----------				
73		1,2-Dibromoethane		----------NA----------				

Initial Calibration Verification

Job Number: FC19317A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V3B13-ICV13
Lab FileID: 3B000256.D

			Amount	Calc.	%Drift			
74		3,3-Dimethyl-1-Butanol		----------NA----------				
75		2-hexanone		----------NA----------				
			AvgRF	CCRF	%Dev			
76		1-Chlorohexane		----------NA----------				
77		Ethylbenzene		----------NA----------				
78		Chlorobenzene		----------NA----------				
79		1,1,1,2-Tetrachloroethane		----------NA----------				
80		m,p-Xylene		----------NA----------				
81		o-Xylene		----------NA----------				
82		Styrene		----------NA----------				
			Amount	Calc.	%Drift			
83		Bromoform		----------NA----------				
			AvgRF	CCRF	%Dev			
84		Isopropylbenzene		----------NA----------				
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	0.00	7.51
86	S	4-Bromofluorobenzene	0.771	0.763	1.0	100	0.00	6.65
87		cis-1,4-Dichloro-2-butene		----------NA----------				
88		n-Propylbenzene		----------NA----------				
89		Bromobenzene		----------NA----------				
90		1,1,2,2-Tetrachloroethane		----------NA----------				
91		1,3,5-Trimethylbenzene		----------NA----------				
92		2-Chlorotoluene		----------NA----------				
			Amount	Calc.	%Drift			
93		trans-1,4-Dichloro-2-Bute		----------NA----------				
			AvgRF	CCRF	%Dev			
94		1,2,3-Trichloropropane		----------NA----------				
95		Cyclohexanone		----------NA----------				
96		4-Chlorotoluene		----------NA----------				
97		tert-Butylbenzene		----------NA----------				
98		1,2,4-Trimethylbenzene		----------NA----------				
99		Pentachloroethane		----------NA----------				
100		sec-Butylbenzene		----------NA----------				
101		4-Isopropyltoluene		----------NA----------				
102		1,3-Dichlorobenzene		----------NA----------				
103		1,2,3-Trimethylbenzene		----------NA----------				
104		1,4-Dichlorobenzene		----------NA----------				
105		n-Butylbenzene		----------NA----------				
			Amount	Calc.	%Drift			
106		Benzyl Chloride		----------NA----------				
			AvgRF	CCRF	%Dev			
107		1,2-Dichlorobenzene		----------NA----------				
108		1,2-Dibromo-3-Chloropropa	0.180	0.188	-4.4	98	0.00	8.40
109		Hexachlorobutadiene		----------NA----------				
110		1,2,4-Trichlorobenzene		----------NA----------				
111		Naphthalene		----------NA----------				
112		1,2,3-Trichlorobenzene		----------NA----------				

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

Initial Calibration Verification

Job Number: FC19317A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V3B13-ICV13
Lab FileID: 3B000256.D

3B000250.D V3B13_8260_09242024.M Wed Sep 25 06:55:34 2024

Continuing Calibration Summary

Job Number: FC19317A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V3B23-CC13
Lab FileID: 3B000506.D

Evaluate Continuing Calibration Report

Data File : C:\MassHunter\GCMS\1\data\100824\3B000506.D Vial: 2
Acq On : 08 Oct 2024 09:36 am Operator: neilc1
Sample : cc13-5 Inst : MSVOA22-3B
Misc : ms57664,V3B23,,,,, Multiplr: 1.00
MS Integration Params: med.p

Method : C:\MassHunter\GC..._8260_09242024.M (RTE Integrator)
Title : SW-846 Method 5035A/8260D
Last Update : Wed Sep 25 06:45:21 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	126	0.00	3.79
2	Dichlorodifluoromethane	0.314	0.257	18.2	96	0.00	1.18
3	Chloromethane	0.305	0.289	5.2	109	0.00	1.34
4	1,3-butadiene	0.254	0.219	13.8	111	0.00	1.38
5	Vinyl Chloride	0.292	0.288	1.4	115	0.00	1.37
	----------	Amount	Calc.	%Drift	----------		
6	Bromomethane	40.000	35.002	12.5	101	0.00	1.57
7	Chloroethane	40.000	45.527	-13.8	131	0.00	1.65
	----------	AvgRF	CCRF	%Dev	----------		
8	Trichlorofluoromethane	0.242	0.255	-5.4	120	0.00	1.74
9	Ethyl Ether	0.248	0.240	3.2	119	0.00	1.92
	----------	Amount	Calc.	%Drift	----------		
10	Ethanol	800.000	874.557	-9.3	133	0.00	2.00
	----------	AvgRF	CCRF	%Dev	----------		
11	1,2-Dichlorotrifluoroetha	0.300	0.288	4.0	119	0.00	2.03
12	1,1-Dichloroethene	0.404	0.378	6.4	114	0.00	2.04
13	Freon 113	0.238	0.222	6.7	115	0.00	2.06
14	Carbon Disulfide	0.706	0.694	1.7	122	0.00	2.06
	----------	Amount	Calc.	%Drift	----------		
15	Iodomethane	40.000	43.540	-8.8	126	0.00	2.13
16	Acrolein	200.000	193.930	3.0	124	0.00	2.23
	----------	AvgRF	CCRF	%Dev	----------		
17	Allyl chloride	0.431	0.428	0.7	123	0.00	2.31
	----------	Amount	Calc.	%Drift	----------		
18	Methylene Chloride	40.000	42.641	-6.6	131	0.00	2.36
19	Acetone	200.000	174.693	12.7	112	0.00	2.39
	----------	AvgRF	CCRF	%Dev	----------		
20	Methyl acetate	0.251	0.251	0.0	122	0.00	2.45
21	trans-1,2-Dichloroethene	0.387	0.375	3.1	119	0.00	2.45
22	Hexane	0.270	0.260	3.7	120	0.00	2.50
23	Methyl Tert Butyl Ether	0.795	0.752	5.4	115	0.00	2.51
	----------	Amount	Calc.	%Drift	----------		
24	Acetonitrile	400.000	391.730	2.1	125	0.00	2.64

Continuing Calibration Summary

Job Number: FC19317A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V3B23-CC13
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25		Tert Butyl Alcohol	400.000	324.216	18.9	108	0.00	2.54
		----------	AvgRF	CCRF	%Dev	----------		
26		Di-isopropyl ether	0.974	0.994	-2.1	123	0.00	2.71
27		Chloroprene	0.665	0.617	7.2	114	0.00	2.81
28		1,1-Dichloroethane	0.500	0.467	6.6	115	0.00	2.79
29		Acrylonitrile	0.090	0.085	5.6	119	0.00	2.81
30		ETBE	0.908	0.891	1.9	119	0.00	2.91
31		Vinyl acetate	0.637	0.652	-2.4	126	0.00	2.91
32		cis-1,2-Dichloroethene	0.272	0.261	4.0	117	0.00	3.08
33		2,2-Dichloropropane	0.389	0.361	7.2	115	0.00	3.14
34		Bromochloromethane	0.122	0.114	6.6	114	0.00	3.19
35		Cyclohexane	0.530	0.502	5.3	116	0.00	3.20
36		Chloroform	0.467	0.425	9.0	113	0.00	3.23
37		Ethyl acetate	0.640	0.654	-2.2	126	0.00	2.91
38		Tetrahydrofuran	0.109	0.101	7.3	110	0.00	3.32
39	S	Dibromofluoromethane	0.224	0.220	1.8	121	0.00	3.32
40		Carbon Tetrachloride	0.312	0.293	6.1	113	0.00	3.31
41		1,1,1-Trichloroethane	0.390	0.357	8.5	114	0.00	3.35
42		2-Butanone	0.151	0.147	2.6	118	0.00	3.39
43		1,1-Dichloropropene	0.329	0.316	4.0	118	0.00	3.42
44		tert-Butyl formate	0.245	0.255	-4.1	130	0.00	3.47
45		Propionitrile	0.045	0.042	6.7	115	0.00	3.56
46		Methacrylonitrile	0.202	0.192	5.0	120	0.00	3.57
47		Benzene	1.058	1.000	5.5	119	0.00	3.56
48		TAME	0.757	0.759	-0.3	119	0.00	3.60
49	S	1,2-Dichloroethane-d4	0.275	0.257	6.5	112	0.00	3.63
50		1,2-Dichloroethane	0.363	0.313	13.8	106	0.00	3.67
		----------	Amount	Calc.	%Drift	----------		
51		Isobutyl Alcohol	800.000	757.134	5.4	119	0.00	3.64
52		Tert Amyl Alcohol	400.000	351.672	12.1	111	0.00	3.70
		----------	AvgRF	CCRF	%Dev	----------		
53		Trichloroethene	0.264	0.256	3.0	121	0.00	3.89
54		Methylcyclohexane	0.451	0.438	2.9	118	0.00	3.89
55		Dibromomethane	0.155	0.142	8.4	111	0.00	4.13
56		1,2-Dichloropropane	0.291	0.274	5.8	116	0.00	4.19
57		Bromodichloromethane	0.328	0.308	6.1	112	0.00	4.22
58		Methyl methacrylate	0.264	0.268	-1.5	121	0.00	4.31
59		1,4-Dioxane	0.002	0.002	0.0	97	0.00	4.34
60		2-Chloroethyl vinyl ether	0.194	0.187	3.6	122	0.00	4.56
61		cis-1,3-Dichloropropene	0.427	0.417	2.3	117	0.00	4.61
62	I	Chlorobenzene-d5	1.000	1.000	0.0	125	0.00	5.77
63	S	Toluene-d8	1.497	1.513	-1.1	125	0.00	4.73
64		Toluene	1.714	1.683	1.8	120	0.00	4.76
		----------	Amount	Calc.	%Drift	----------		
65		2-Nitropropane	200.000	182.000	9.0	115	0.00	4.56
66		4-Methyl-2-pentanone	200.000	189.963	5.0	121	0.00	4.99
		----------	AvgRF	CCRF	%Dev	----------		
67		trans-1,3-Dichloropropene	0.682	0.671	1.6	117	0.00	4.61
68		Tetrachloroethene	0.433	0.403	6.9	111	0.00	5.02
69		Ethyl methacrylate	0.480	0.496	-3.3	121	0.00	5.12
70		1,1,2-Trichloroethane	0.314	0.298	5.1	115	0.00	5.13
71		Dibromochloromethane	0.346	0.352	-1.7	115	0.00	5.25
72		1,3-Dichloropropane	0.680	0.637	6.3	114	0.00	5.32
73		1,2-Dibromoethane	0.379	0.368	2.9	115	0.00	5.42

Continuing Calibration Summary

Job Number: FC19317A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V3B23-CC13
Lab FileID: 3B000506.D

			Amount	Calc.	%Drift			
74		3,3-Dimethyl-1-Butanol	2000.000	1768.233	11.6	114	0.00	5.53
75		2-hexanone	200.000	182.851	8.6	118	0.00	5.56
			AvgRF	CCRF	%Dev			
76		1-Chlorohexane	0.578	0.541	6.4	117	0.00	5.76
77		Ethylbenzene	1.871	1.770	5.4	117	0.00	5.80
78		Chlorobenzene	1.036	0.985	4.9	117	0.00	5.78
79		1,1,1,2-Tetrachloroethane	0.338	0.342	-1.2	117	0.00	5.82
80		m,p-Xylene	1.435	1.340	6.6	114	0.00	5.90
81		o-Xylene	1.458	1.377	5.6	113	0.00	6.21
82		Styrene	1.114	1.032	7.4	106	0.00	6.25
			Amount	Calc.	%Drift			
83		Bromoform	40.000	40.232	-0.6	120	0.00	6.27
			AvgRF	CCRF	%Dev			
84		Isopropylbenzene	1.713	1.632	4.7	113	0.00	6.45
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	116	0.00	7.52
86	S	4-Bromofluorobenzene	0.771	0.794	-3.0	122	0.00	6.65
87		cis-1,4-Dichloro-2-butene	0.347	0.350	-0.9	113	0.00	6.70
88		n-Propylbenzene	4.102	3.947	3.8	111	0.00	6.76
89		Bromobenzene	0.810	0.789	2.6	115	0.00	6.74
90		1,1,2,2-Tetrachloroethane	0.953	0.954	-0.1	113	0.00	6.81
91		1,3,5-Trimethylbenzene	2.892	2.765	4.4	108	0.00	6.91
92		2-Chlorotoluene	2.744	2.557	6.8	108	0.00	6.88
			Amount	Calc.	%Drift			
93		trans-1,4-Dichloro-2-Bute	40.000	37.996	5.0	113	0.00	6.94
			AvgRF	CCRF	%Dev			
94		1,2,3-Trichloropropane	0.311	0.291	6.4	110	0.00	6.91
95		Cyclohexanone	0.028	0.025	10.7	108	0.00	6.95
96		4-Chlorotoluene	2.603	2.468	5.2	109	0.00	7.01
97		tert-Butylbenzene	1.627	1.543	5.2	107	0.00	7.16
98		1,2,4-Trimethylbenzene	2.869	2.736	4.6	106	0.00	7.21
99		Pentachloroethane	0.342	0.429	-25.4#	143	0.00	7.17
100		sec-Butylbenzene	3.472	3.386	2.5	109	0.00	7.30
101		4-Isopropyltoluene	2.898	2.880	0.6	109	0.00	7.41
102		1,3-Dichlorobenzene	1.518	1.449	4.5	109	0.00	7.46
103		1,2,3-Trimethylbenzene	2.939	2.852	3.0	108	0.00	7.54
104		1,4-Dichlorobenzene	1.523	1.449	4.9	109	0.00	7.52
105		n-Butylbenzene	1.587	1.585	0.1	107	0.00	7.73
			Amount	Calc.	%Drift			
106		Benzyl Chloride	40.000	40.095	-0.2	113	0.00	7.71
			AvgRF	CCRF	%Dev			
107		1,2-Dichlorobenzene	1.451	1.375	5.2	107	0.00	7.84
108		1,2-Dibromo-3-Chloropropa	0.180	0.169	6.1	102	0.00	8.40
109		Hexachlorobutadiene	0.367	0.384	-4.6	120	0.00	8.85
110		1,2,4-Trichlorobenzene	0.959	0.970	-1.1	113	0.00	8.87
111		Naphthalene	2.953	2.875	2.6	107	0.00	9.08
112		1,2,3-Trichlorobenzene	0.934	0.902	3.4	111	0.00	9.20

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

Continuing Calibration Summary

Job Number: FC19317A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V3B23-CC13
Lab FileID: 3B000506.D

3B000251.D V3B13_8260_09242024.M Tue Oct 08 10:30:50 2024

Continuing Calibration Summary

Job Number: FC19317A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V3B23-ECC13
Lab FileID: 3B000532.D

Evaluate Continuing Calibration Report

Data File : C:\MassHunter\GCMS\1\data\100824\3B000532.D Vial: 28
Acq On : 08 Oct 2024 08:15 pm Operator: neilc1
Sample : ecc13-5 Inst : MSVOA22-3B
Misc : ms57662,V3B23,,,,, Multiplr: 1.00
MS Integration Params: med.p

Method : C:\MassHunter\GC..._8260_09242024.M (RTE Integrator)
Title : SW-846 Method 5035A/8260D
Last Update : Wed Oct 09 05:14:10 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 50% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	95	0.00	3.78
2	Dichlorodifluoromethane	0.314	0.280	10.8	79	0.00	1.18
3	Chloromethane	0.305	0.338	-10.8	96	0.00	1.33
4	1,3-butadiene	0.254	0.250	1.6	95	0.00	1.37
5	Vinyl Chloride	0.292	0.317	-8.6	96	0.00	1.36
		Amount	Calc.	%Drift			
6	Bromomethane	40.000	45.661	-14.2	104	0.00	1.57
7	Chloroethane	40.000	38.743	3.1	86	0.00	1.65
		AvgRF	CCRF	%Dev			
8	Trichlorofluoromethane	0.242	0.270	-11.6	96	0.00	1.73
9	Ethyl Ether	0.248	0.265	-6.9	99	0.00	1.92
		Amount	Calc.	%Drift			
10	Ethanol	800.000	1587.210	-98.4#	147	0.00	2.00
		AvgRF	CCRF	%Dev			
11	1,2-Dichlorotrifluoroetha	0.300	0.314	-4.7	97	0.00	2.03
12	1,1-Dichloroethene	0.404	0.417	-3.2	95	0.00	2.03
13	Freon 113	0.238	0.230	3.4	90	0.00	2.06
14	Carbon Disulfide	0.706	0.729	-3.3	97	0.00	2.06
		Amount	Calc.	%Drift			
15	Iodomethane	40.000	46.128	-15.3	102	0.00	2.12
16	Acrolein	200.000	230.664	-15.3	111	0.00	2.22
		AvgRF	CCRF	%Dev			
17	Allyl chloride	0.431	0.478	-10.9	103	0.00	2.30
		Amount	Calc.	%Drift			
18	Methylene Chloride	40.000	45.708	-14.3	106	0.00	2.36
19	Acetone	200.000	237.042	-18.5	113	0.00	2.38
		AvgRF	CCRF	%Dev			
20	Methyl acetate	0.251	0.317	-26.3	116	0.00	2.45
21	trans-1,2-Dichloroethene	0.387	0.407	-5.2	97	0.00	2.45
22	Hexane	0.270	0.274	-1.5	95	0.00	2.49
23	Methyl Tert Butyl Ether	0.795	0.835	-5.0	97	0.00	2.51
		Amount	Calc.	%Drift			
24	Acetonitrile	400.000	579.138	-44.8	133	0.00	2.64

Continuing Calibration Summary

Job Number: FC19317A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V3B23-ECC13
Lab FileID: 3B000532.D

25		Tert Butyl Alcohol	400.000	451.026	-12.8	114	0.00	2.54
			AvgRF	CCRF	%Dev			
26		Di-isopropyl ether	0.974	1.123	-15.3	105	0.00	2.71
27		Chloroprene	0.665	0.814	-22.4	114	0.00	2.81
28		1,1-Dichloroethane	0.500	0.530	-6.0	98	0.00	2.78
29		Acrylonitrile	0.090	0.111	-23.3	116	0.00	2.81
30		ETBE	0.908	0.997	-9.8	100	0.00	2.90
31		Vinyl acetate	0.637	0.668	-4.9	97	0.00	2.91
32		cis-1,2-Dichloroethene	0.272	0.284	-4.4	96	0.00	3.07
33		2,2-Dichloropropane	0.389	0.356	8.5	86	0.00	3.14
34		Bromochloromethane	0.122	0.123	-0.8	92	0.00	3.19
35		Cyclohexane	0.530	0.554	-4.5	97	0.00	3.20
36		Chloroform	0.467	0.480	-2.8	96	0.00	3.22
37		Ethyl acetate	0.640	0.671	-4.8	97	0.00	2.91
38		Tetrahydrofuran	0.109	0.136	-24.8	112	0.00	3.31
39	S	Dibromofluoromethane	0.224	0.233	-4.0	97	0.00	3.32
40		Carbon Tetrachloride	0.312	0.268	14.1	78	0.00	3.31
41		1,1,1-Trichloroethane	0.390	0.387	0.8	93	0.00	3.35
42		2-Butanone	0.151	0.198	-31.1	120	0.00	3.39
43		1,1-Dichloropropene	0.329	0.342	-4.0	97	0.00	3.41
44		tert-Butyl formate	0.245	0.263	-7.3	101	0.00	3.46
45		Propionitrile	0.045	0.058	-28.9	118	0.00	3.56
46		Methacrylonitrile	0.202	0.239	-18.3	113	0.00	3.57
47		Benzene	1.058	1.124	-6.2	101	0.00	3.55
48		TAME	0.757	0.842	-11.2	100	0.00	3.60
49	S	1,2-Dichloroethane-d4	0.275	0.274	0.4	90	0.00	3.62
50		1,2-Dichloroethane	0.363	0.357	1.7	92	0.00	3.66
			Amount	Calc.	%Drift			
51		Isobutyl Alcohol	800.000	1017.873	-27.2	124	0.00	3.64
52		Tert Amyl Alcohol	400.000	510.288	-27.6	126	0.00	3.70
			AvgRF	CCRF	%Dev			
53		Trichloroethene	0.264	0.276	-4.5	98	0.00	3.88
54		Methylcyclohexane	0.451	0.467	-3.5	95	0.00	3.89
55		Dibromomethane	0.155	0.160	-3.2	95	0.00	4.13
56		1,2-Dichloropropane	0.291	0.314	-7.9	101	0.00	4.19
57		Bromodichloromethane	0.328	0.347	-5.8	95	0.00	4.22
58		Methyl methacrylate	0.264	0.330	-25.0	112	0.00	4.30
59		1,4-Dioxane	0.002	0.003	-50.0	111	0.00	4.34
60		2-Chloroethyl vinyl ether	0.194	0.222	-14.4	109	0.00	4.56
61		cis-1,3-Dichloropropene	0.427	0.457	-7.0	97	0.00	4.60
62	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00	5.77
63	S	Toluene-d8	1.497	1.483	0.9	98	0.00	4.73
64		Toluene	1.714	1.793	-4.6	102	0.00	4.76
			Amount	Calc.	%Drift			
65		2-Nitropropane	200.000	213.202	-6.6	106	0.00	4.56
66		4-Methyl-2-pentanone	200.000	232.373	-16.2	118	0.00	4.99
			AvgRF	CCRF	%Dev			
67		trans-1,3-Dichloropropene	0.682	0.695	-1.9	97	0.00	4.60
68		Tetrachloroethene	0.433	0.527	-21.7	116	0.00	5.01
69		Ethyl methacrylate	0.480	0.555	-15.6	108	0.00	5.12
70		1,1,2-Trichloroethane	0.314	0.322	-2.5	99	0.00	5.13
71		Dibromochloromethane	0.346	0.359	-3.8	94	0.00	5.25
72		1,3-Dichloropropane	0.680	0.690	-1.5	99	0.00	5.31
73		1,2-Dibromoethane	0.379	0.390	-2.9	97	0.00	5.42

Continuing Calibration Summary

Job Number: FC19317A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V3B23-ECC13
Lab FileID: 3B000532.D

			Amount	Calc.	%Drift			
74		3,3-Dimethyl-1-Butanol	2000.000	2393.224	-19.7	127	0.00	5.53
75		2-hexanone	200.000	233.717	-16.9	121	0.00	5.56
			AvgRF	CCRF	%Dev			
76		1-Chlorohexane	0.578	0.572	1.0	99	0.00	5.76
77		Ethylbenzene	1.871	1.883	-0.6	100	0.00	5.79
78		Chlorobenzene	1.036	1.050	-1.4	100	0.00	5.78
79		1,1,1,2-Tetrachloroethane	0.338	0.356	-5.3	98	0.00	5.82
80		m,p-Xylene	1.435	1.452	-1.2	98	0.00	5.90
81		o-Xylene	1.458	1.489	-2.1	97	0.00	6.21
82		Styrene	1.114	1.178	-5.7	97	0.00	6.24
			Amount	Calc.	%Drift			
83		Bromoform	40.000	41.495	-3.7	99	0.00	6.27
			AvgRF	CCRF	%Dev			
84		Isopropylbenzene	1.713	1.736	-1.3	96	0.00	6.44
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	97	0.00	7.51
86	S	4-Bromofluorobenzene	0.771	0.771	0.0	99	0.00	6.65
87		cis-1,4-Dichloro-2-butene	0.347	0.367	-5.8	99	0.00	6.70
88		n-Propylbenzene	4.102	4.132	-0.7	97	0.00	6.76
89		Bromobenzene	0.810	0.806	0.5	98	0.00	6.73
90		1,1,2,2-Tetrachloroethane	0.953	1.060	-11.2	105	0.00	6.81
91		1,3,5-Trimethylbenzene	2.892	2.859	1.1	93	0.00	6.91
92		2-Chlorotoluene	2.744	2.702	1.5	95	0.00	6.88
			Amount	Calc.	%Drift			
93		trans-1,4-Dichloro-2-Bute	40.000	40.636	-1.6	101	0.00	6.94
			AvgRF	CCRF	%Dev			
94		1,2,3-Trichloropropane	0.311	0.332	-6.8	105	0.00	6.91
95		Cyclohexanone	0.028	0.035	-25.0	124	0.00	6.95
96		4-Chlorotoluene	2.603	2.579	0.9	95	0.00	7.01
97		tert-Butylbenzene	1.627	1.590	2.3	92	0.00	7.16
98		1,2,4-Trimethylbenzene	2.869	2.864	0.2	93	0.00	7.21
99		Pentachloroethane	0.342	0.270	21.1	75	0.00	7.17
100		sec-Butylbenzene	3.472	3.484	-0.3	93	0.00	7.30
101		4-Isopropyltoluene	2.898	2.908	-0.3	92	0.00	7.41
102		1,3-Dichlorobenzene	1.518	1.493	1.6	93	0.00	7.46
103		1,2,3-Trimethylbenzene	2.939	2.985	-1.6	95	0.00	7.54
104		1,4-Dichlorobenzene	1.523	1.496	1.8	94	0.00	7.52
105		n-Butylbenzene	1.587	1.626	-2.5	92	0.00	7.73
			Amount	Calc.	%Drift			
106		Benzyl Chloride	40.000	35.440	11.4	83	0.00	7.71
			AvgRF	CCRF	%Dev			
107		1,2-Dichlorobenzene	1.451	1.420	2.1	92	0.00	7.84
108		1,2-Dibromo-3-Chloropropa	0.180	0.195	-8.3	98	0.00	8.40
109		Hexachlorobutadiene	0.367	0.363	1.1	94	0.00	8.85
110		1,2,4-Trichlorobenzene	0.959	0.983	-2.5	95	0.00	8.87
111		Naphthalene	2.953	3.052	-3.4	95	0.00	9.08
112		1,2,3-Trichlorobenzene	0.934	0.944	-1.1	96	0.00	9.20

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

Continuing Calibration Summary

Job Number: FC19317A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V3B23-ECC13
Lab FileID: 3B000532.D

3B000251.D V3B13_8260_09242024.M Wed Oct 09 06:28:31 2024

Run Sequence Report

Job Number: FC19317A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Run ID: V3B13	**Method:** SW846 8260D	**Instrument ID:** GCMS3B

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V3B13-BFB	3B000245.D	09/24/24 11:28	n/a	BFB Tune
V3B13-IC13	3B000246.D	09/24/24 12:01	n/a	Initial cal 1
V3B13-IC13	3B000247.D	09/24/24 12:34	n/a	Initial cal 8
V3B13-IC13	3B000248.D	09/24/24 12:58	n/a	Initial cal 2
V3B13-IC13	3B000249.D	09/24/24 13:21	n/a	Initial cal 3
V3B13-IC13	3B000250.D	09/24/24 13:45	n/a	Initial cal 4
V3B13-ICC13	3B000251.D	09/24/24 14:08	n/a	Initial cal 5
V3B13-IC13	3B000252.D	09/24/24 14:32	n/a	Initial cal 6
V3B13-IC13	3B000253.D	09/24/24 14:56	n/a	Initial cal 7
V3B13-ICV13	3B000255.D	09/24/24 15:43	n/a	Initial cal verification 5
V3B13-ICV13	3B000256.D	09/24/24 16:07	n/a	Initial cal verification 4

Run Sequence Report

Job Number: FC19317A
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Run ID: V3B23 **Method:** SW846 8260D **Instrument ID:** GCMS3B

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V3B23-BFB	3B000505.D	10/08/24 09:05	n/a	BFB Tune
V3B23-CC13	3B000506.D	10/08/24 09:36	n/a	Continuing cal 5
V3B23-BS	3B000507.D	10/08/24 10:07	n/a	Blank Spike
V3B23-MB	3B000509.D	10/08/24 10:55	n/a	Method Blank
FC19293-2	3B000510.D	10/08/24 11:26	n/a	(used for QC only; not part of job FC19317A)
ZZZZZZ	3B000511.D	10/08/24 11:50	n/a	(unrelated sample)
ZZZZZZ	3B000512.D	10/08/24 12:14	n/a	(unrelated sample)
ZZZZZZ	3B000513.D	10/08/24 12:38	n/a	(unrelated sample)
ZZZZZZ	3B000514.D	10/08/24 13:03	n/a	(unrelated sample)
ZZZZZZ	3B000515.D	10/08/24 13:27	n/a	(unrelated sample)
ZZZZZZ	3B000516.D	10/08/24 13:51	n/a	(unrelated sample)
ZZZZZZ	3B000517.D	10/08/24 14:15	n/a	(unrelated sample)
FC19317-1	3B000518.D	10/08/24 14:39	n/a	789VMW-251_0924
ZZZZZZ	3B000519.D	10/08/24 15:03	n/a	(unrelated sample)
ZZZZZZ	3B000520.D	10/08/24 15:27	n/a	(unrelated sample)
ZZZZZZ	3B000521.D	10/08/24 15:51	n/a	(unrelated sample)
ZZZZZZ	3B000522.D	10/08/24 16:15	n/a	(unrelated sample)
ZZZZZZ	3B000523.D	10/08/24 16:39	n/a	(unrelated sample)
ZZZZZZ	3B000524.D	10/08/24 17:03	n/a	(unrelated sample)
ZZZZZZ	3B000525.D	10/08/24 17:27	n/a	(unrelated sample)
ZZZZZZ	3B000526.D	10/08/24 17:51	n/a	(unrelated sample)
ZZZZZZ	3B000527.D	10/08/24 18:15	n/a	(unrelated sample)
ZZZZZZ	3B000528.D	10/08/24 18:39	n/a	(unrelated sample)
ZZZZZZ	3B000529.D	10/08/24 19:03	n/a	(unrelated sample)
FC19293-2MS	3B000530.D	10/08/24 19:27	n/a	Matrix Spike
FC19293-2MSD	3B000531.D	10/08/24 19:52	n/a	Matrix Spike Duplicate
V3B23-ECC13	3B000532.D	10/08/24 20:15	n/a	Ending cal 5

MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\MassHunter\GCMS\1\data\100824\
Data File : 3B000518.D
Acq On : 08 Oct 2024 02:39 pm
Operator : neilc1
Sample : fc19317-1 Inst : MSVOA22-3B
Misc : ms57662,V3B23,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 09 06:00:07 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Oct 09 05:14:10 2024
Response via : Initial Calibration

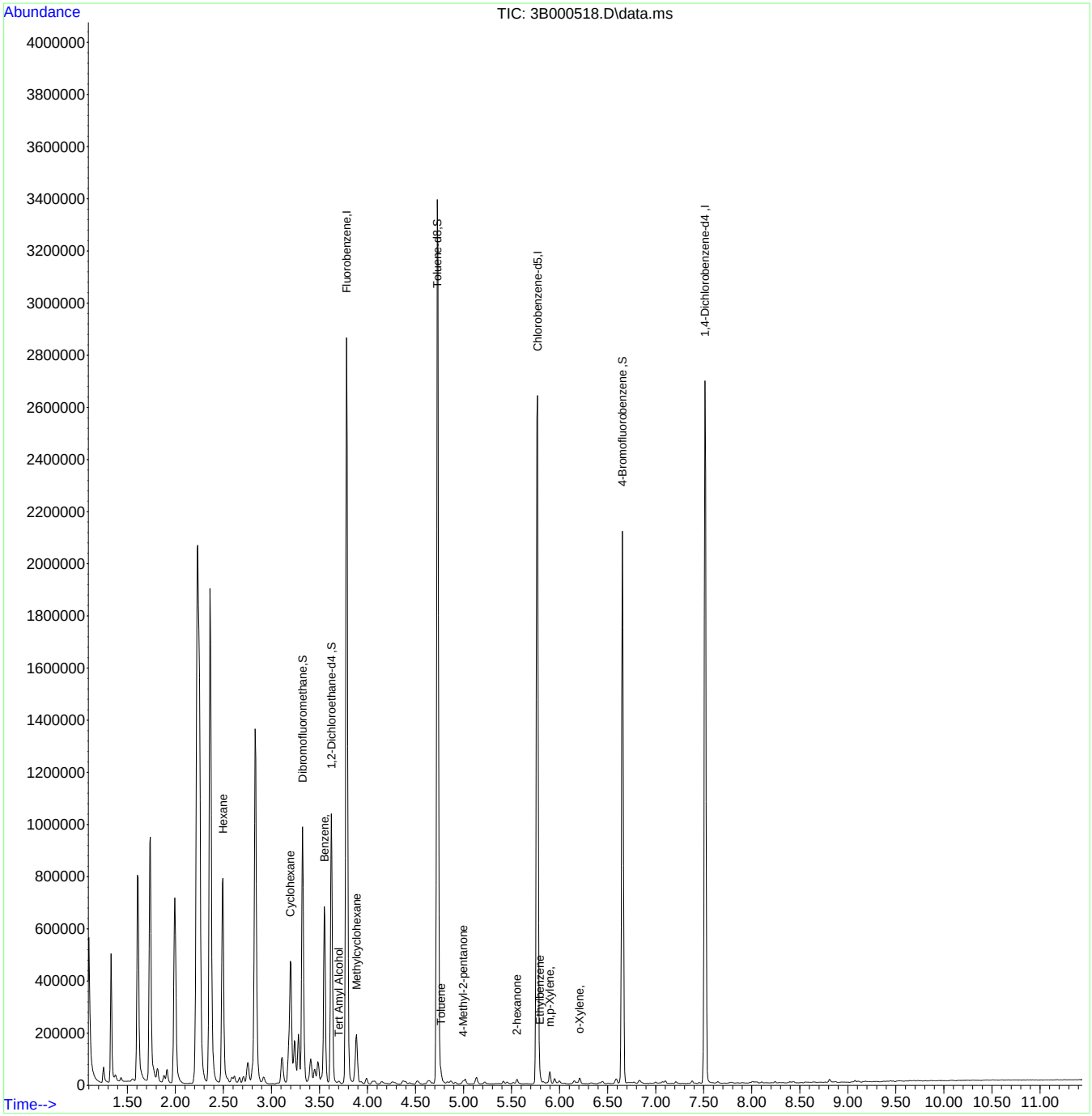
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.782	96	1824757	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.769	117	1166785	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.513	152	533183	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.324	113	407844	49.89	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.78%			
49) 1,2-Dichloroethane-d4	3.623	65	483845	48.19	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 96.38%			
63) Toluene-d8	4.727	98	1676339	47.97	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 95.94%			
86) 4-Bromofluorobenzene	6.653	174	429008	52.19	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 104.38%			
Target Compounds						Qvalue
22) Hexane	2.495	56	155228	15.72	ug/L #	79
35) Cyclohexane	3.196	56	149351	7.72	ug/L	95
47) Benzene	3.550	78	427137	11.07	ug/L	85
52) Tert Amyl Alcohol	3.702	59	2879	4.12	ug/L	84
54) Methylcyclohexane	3.885	83	51988	3.16	ug/L	95
64) Toluene	4.763	91	8765	0.22	ug/L	92
66) 4-Methyl-2-pentanone	4.995	43	2873	0.25	ug/L	94
75) 2-hexanone	5.556	43	7822	0.85	ug/L	91
77) Ethylbenzene	5.793	91	13956	0.32	ug/L	95
80) m,p-Xylene	5.897	91	20523	0.61	ug/L	97
81) o-Xylene	6.208	91	9506	0.28	ug/L	99

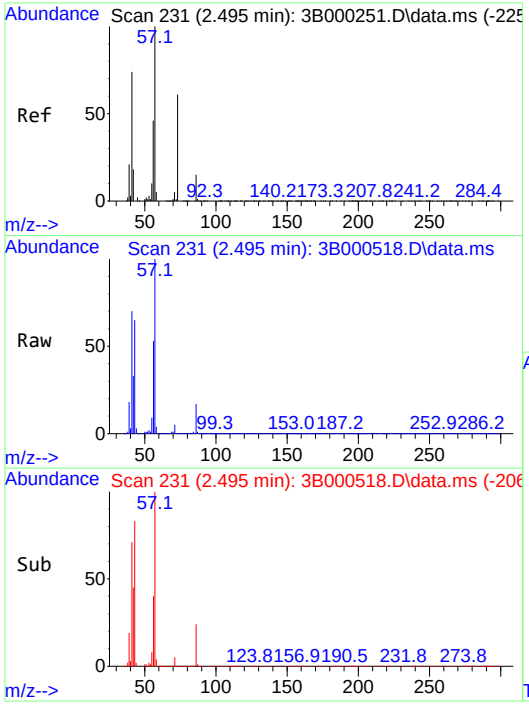
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MassHunter\GCMS\1\data\100824\
Data File : 3B000518.D
Acq On : 08 Oct 2024 02:39 pm
Operator : neilc1
Sample : fc19317-1 Inst : MSVOA22-3B
Misc : ms57662,V3B23,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 09 06:00:07 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Oct 09 05:14:10 2024
Response via : Initial Calibration

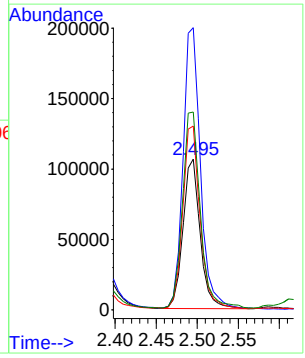


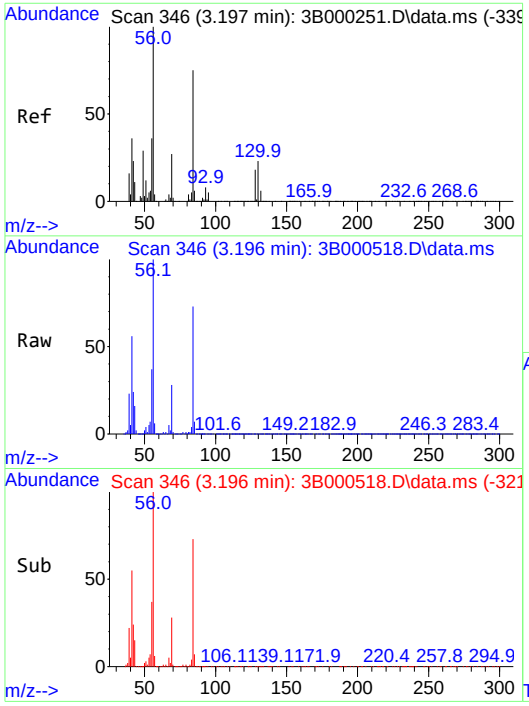


#22
Hexane
Concen: 15.72 ug/L
RT: 2.495 min Scan# 231
Delta R.T. -0.000 min
Lab File: 3B000518.D
Acq: 08 Oct 2024 02:39 pm

Tgt Ion: 56 Resp: 155228

Ion	Ratio	Lower	Upper
56	100		
57	187.7	195.1	235.1#
43	122.1	133.1	173.1#
41	131.0	140.8	180.8#

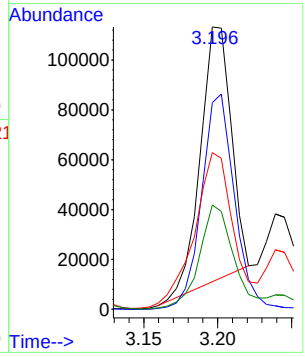


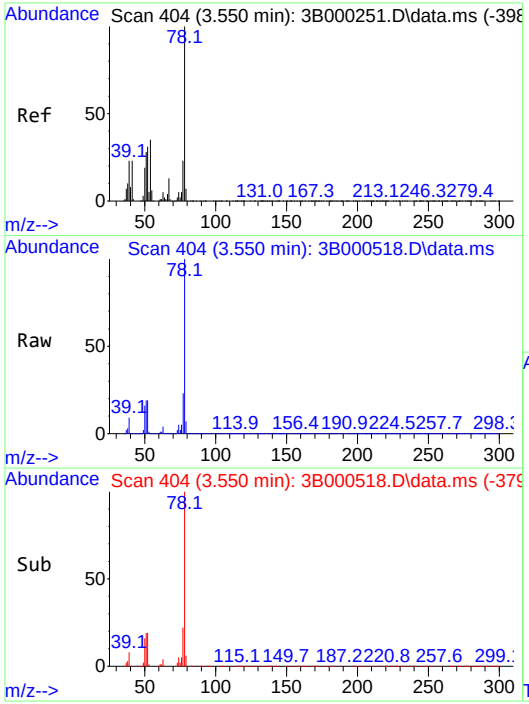


#35
Cyclohexane
Concen: 7.72 ug/L
RT: 3.196 min Scan# 346
Delta R.T. -0.000 min
Lab File: 3B000518.D
Acq: 08 Oct 2024 02:39 pm

Tgt Ion: 56 Resp: 149351

Ion	Ratio	Lower	Upper
56	100		
84	73.8	55.5	95.5
41	54.0	24.9	64.9
55	37.0	15.9	55.9

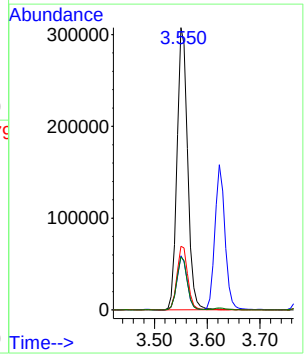


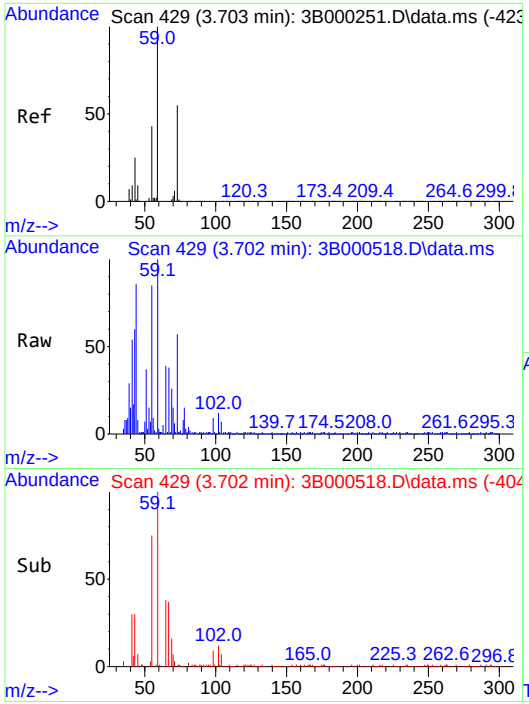


#47
Benzene
Concen: 11.07 ug/L
RT: 3.550 min Scan# 404
Delta R.T. -0.000 min
Lab File: 3B000518.D
Acq: 08 Oct 2024 02:39 pm

Tgt Ion: 78 Resp: 427137

Ion	Ratio	Lower	Upper
78	100		
51	19.1	0.0	57.5
77	22.5	0.0	53.3
52	18.8	1.3	61.3

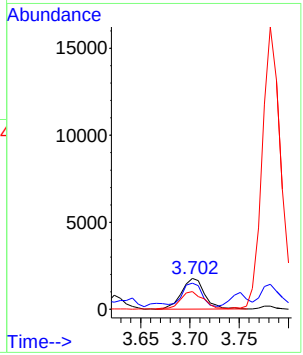


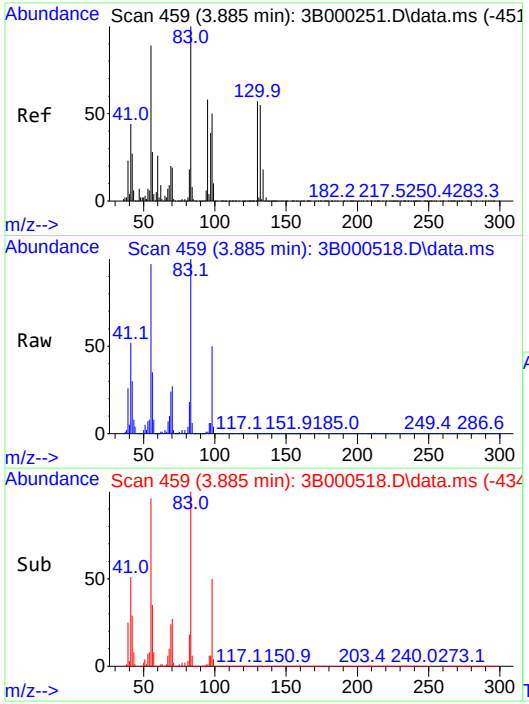


#52
Tert Amyl Alcohol
Concen: 4.12 ug/L
RT: 3.702 min Scan# 429
Delta R.T. -0.000 min
Lab File: 3B000518.D
Acq: 08 Oct 2024 02:39 pm

Tgt Ion: 59 Resp: 2879

Ion	Ratio	Lower	Upper
59	100		
55	65.3	13.9	73.9
73	56.4	25.2	85.2

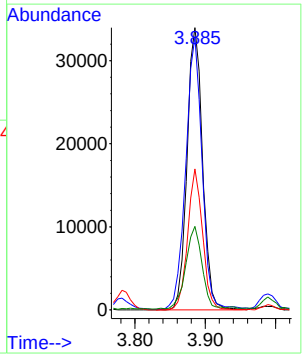


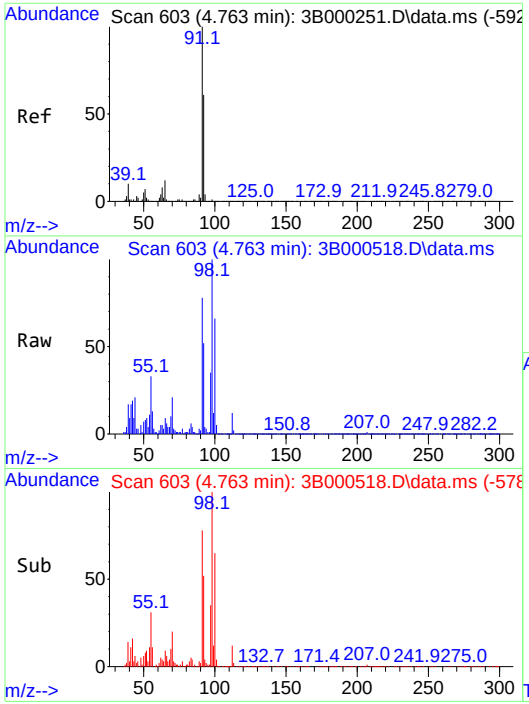


#54
Methylcyclohexane
Concen: 3.16 ug/L
RT: 3.885 min Scan# 459
Delta R.T. -0.000 min
Lab File: 3B000518.D
Acq: 08 Oct 2024 02:39 pm

Tgt Ion: 83 Resp: 51988

Ion	Ratio	Lower	Upper
83	100		
55	96.5	68.5	108.5
98	49.9	30.0	70.0
42	29.3	7.2	47.2

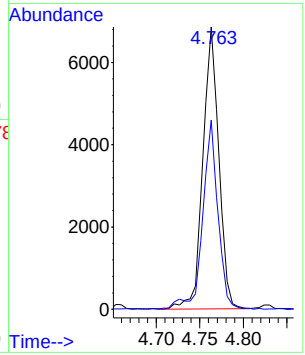


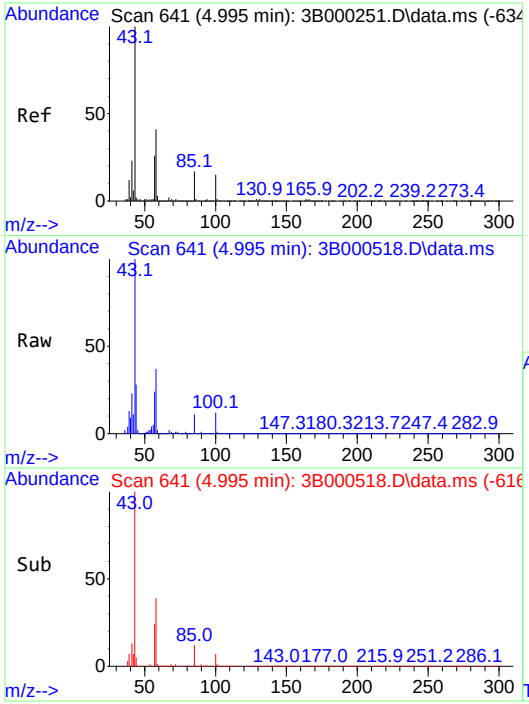


#64
Toluene
Concen: 0.22 ug/L
RT: 4.763 min Scan# 603
Delta R.T. -0.000 min
Lab File: 3B000518.D
Acq: 08 Oct 2024 02:39 pm

Tgt Ion: 91 Resp: 8765

Ion	Ratio	Lower	Upper
91	100		
92	66.9	30.9	90.9

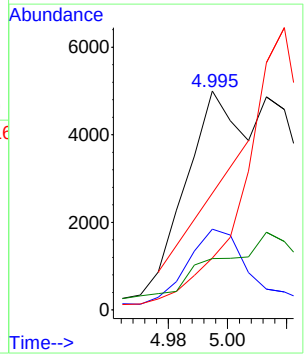


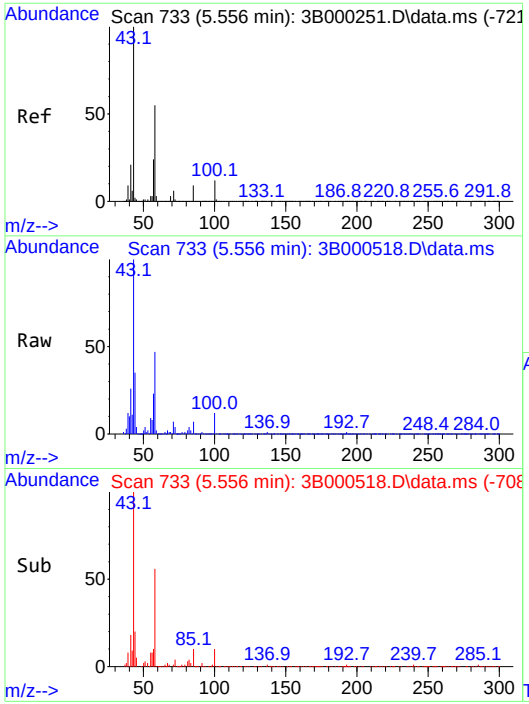


#66
4-Methyl-2-pentanone
Concen: 0.25 ug/L
RT: 4.995 min Scan# 641
Delta R.T. -0.000 min
Lab File: 3B000518.D
Acq: 08 Oct 2024 02:39 pm

Tgt Ion: 43 Resp: 2873

Ion	Ratio	Lower	Upper
43	100		
58	37.6	10.6	70.6
57	22.6	0.0	55.8
41	19.3	0.0	52.8

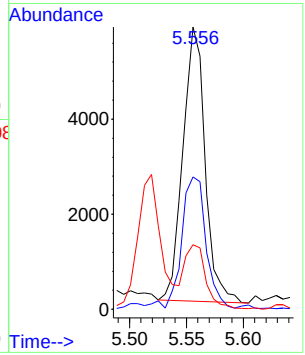


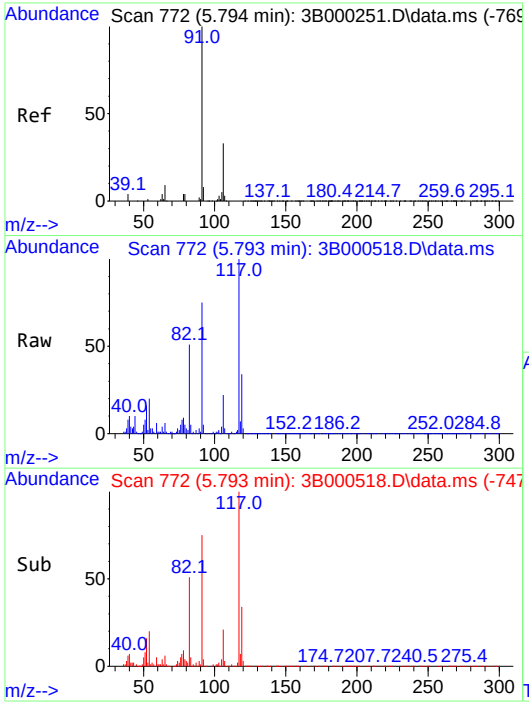


#75
2-hexanone
Concen: 0.85 ug/L
RT: 5.556 min Scan# 733
Delta R.T. -0.000 min
Lab File: 3B000518.D
Acq: 08 Oct 2024 02:39 pm

Tgt Ion: 43 Resp: 7822

Ion	Ratio	Lower	Upper
43	100		
58	46.4	25.4	85.4
57	23.1	0.0	54.3

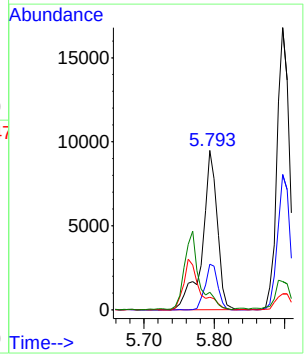


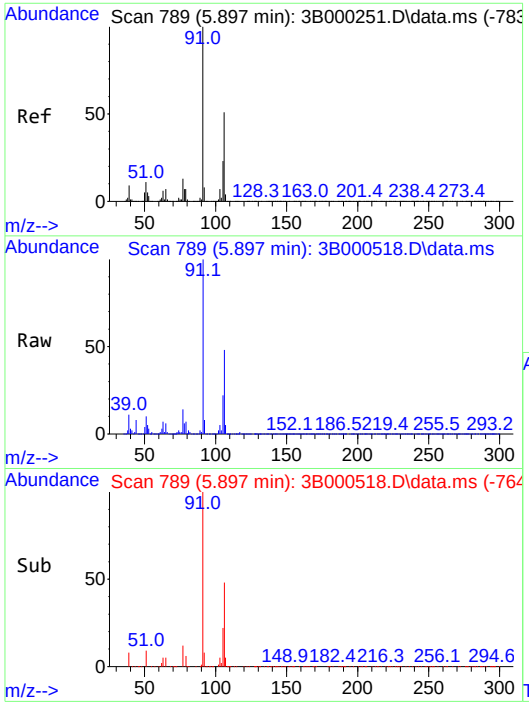


#77
Ethylbenzene
Concen: 0.32 ug/L
RT: 5.793 min Scan# 772
Delta R.T. -0.000 min
Lab File: 3B000518.D
Acq: 08 Oct 2024 02:39 pm

Tgt Ion: 91 Resp: 13956

Ion	Ratio	Lower	Upper
91	100		
106	28.6	1.6	61.6
65	8.0	0.0	39.3
51	10.6	0.0	42.7

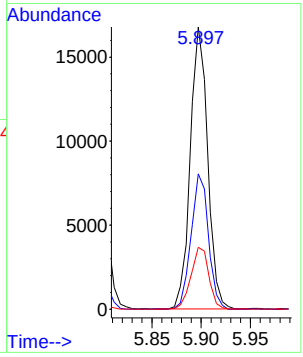


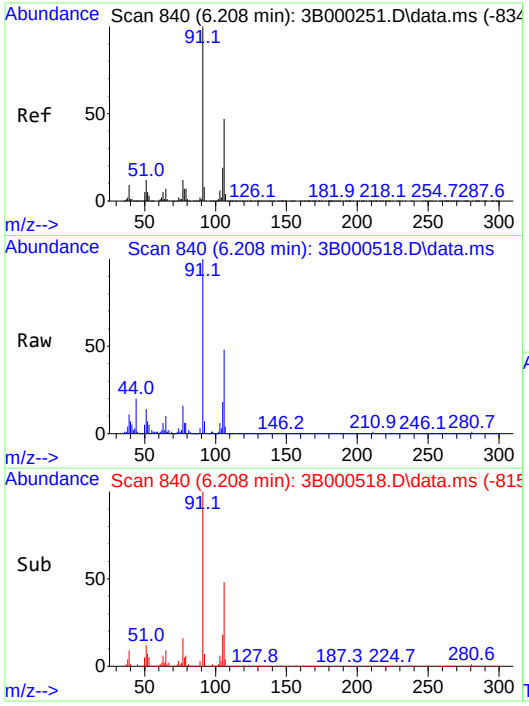


#80
m,p-Xylene
Concen: 0.61 ug/L
RT: 5.897 min Scan# 789
Delta R.T. -0.000 min
Lab File: 3B000518.D
Acq: 08 Oct 2024 02:39 pm

Tgt Ion: 91 Resp: 20523

Ion	Ratio	Lower	Upper
91	100		
106	47.9	20.5	80.5
105	22.0	0.0	52.5

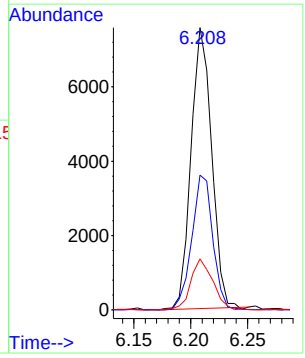




#81
o-Xylene
Concen: 0.28 ug/L
RT: 6.208 min Scan# 840
Delta R.T. -0.000 min
Lab File: 3B000518.D
Acq: 08 Oct 2024 02:39 pm

Tgt Ion: 91 Resp: 9506

Ion	Ratio	Lower	Upper
91	100		
106	47.8	16.9	76.9
105	18.0	0.0	48.8



Quantitation Report (QT/LSC Reviewed)

Data Path : C:\MassHunter\GCMS\1\data\100824\
Data File : 3B000509.D
Acq On : 08 Oct 2024 10:55 am
Operator : neilc1
Sample : mb Inst : MSVOA22-3B
Misc : ms57662,V3B23,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 08 11:07:11 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Sep 25 06:45:21 2024
Response via : Initial Calibration

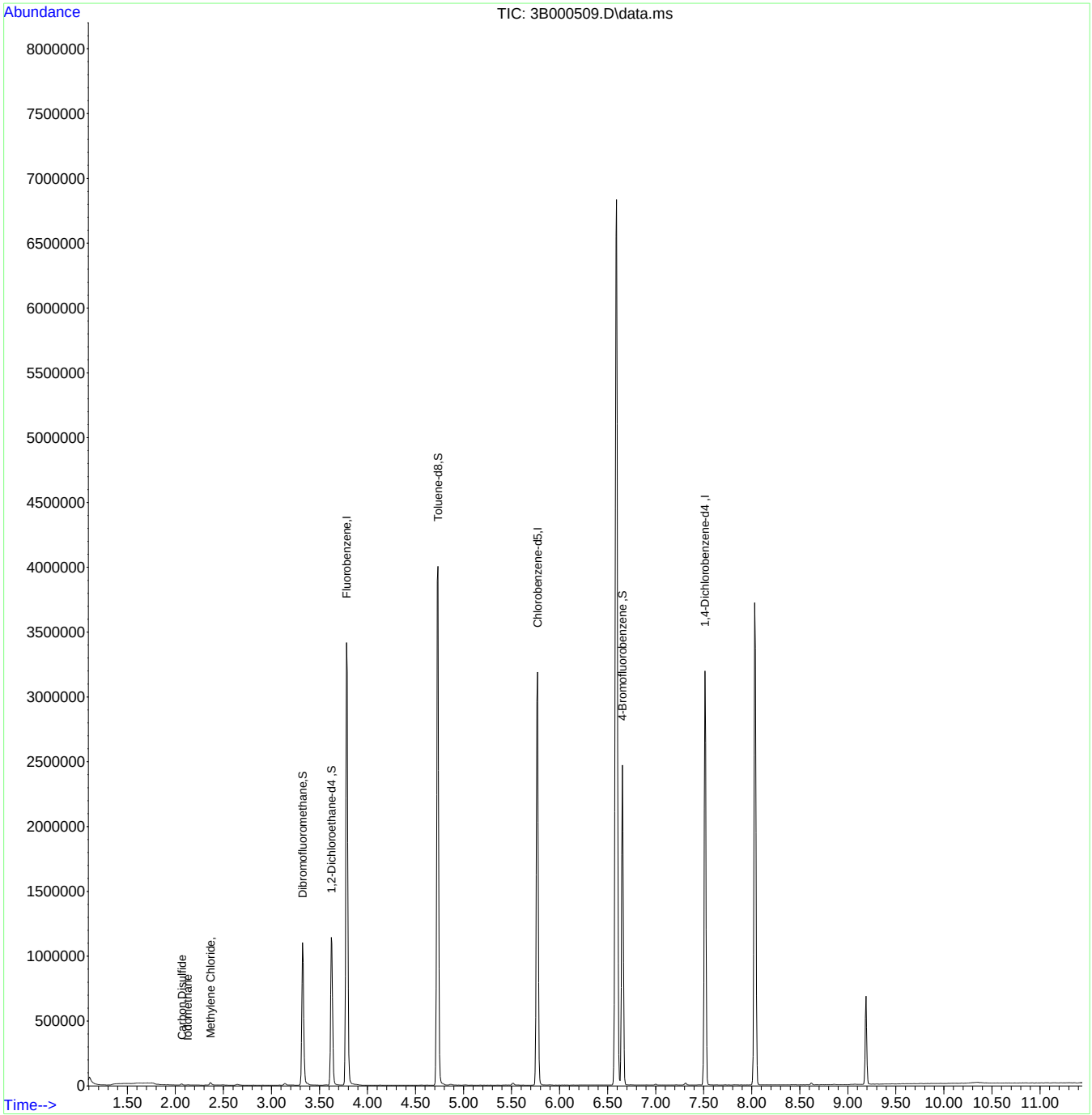
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.782	96	2258895	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.769	117	1408557	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.513	152	635724	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.325	113	474865	46.92	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 93.84%			
49) 1,2-Dichloroethane-d4	3.623	65	562795	45.28	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 90.56%			
63) Toluene-d8	4.733	98	2032995	48.19	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 96.38%			
86) 4-Bromofluorobenzene	6.653	174	512958	52.34	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 104.68%			
Target Compounds						Qvalue
14) Carbon Disulfide	2.069	76	8789	0.28	ug/L	100
15) Iodomethane	2.130	142	2792	0.49	ug/L	92
18) Methylene Chloride	2.367	49	10441	0.63	ug/L	95

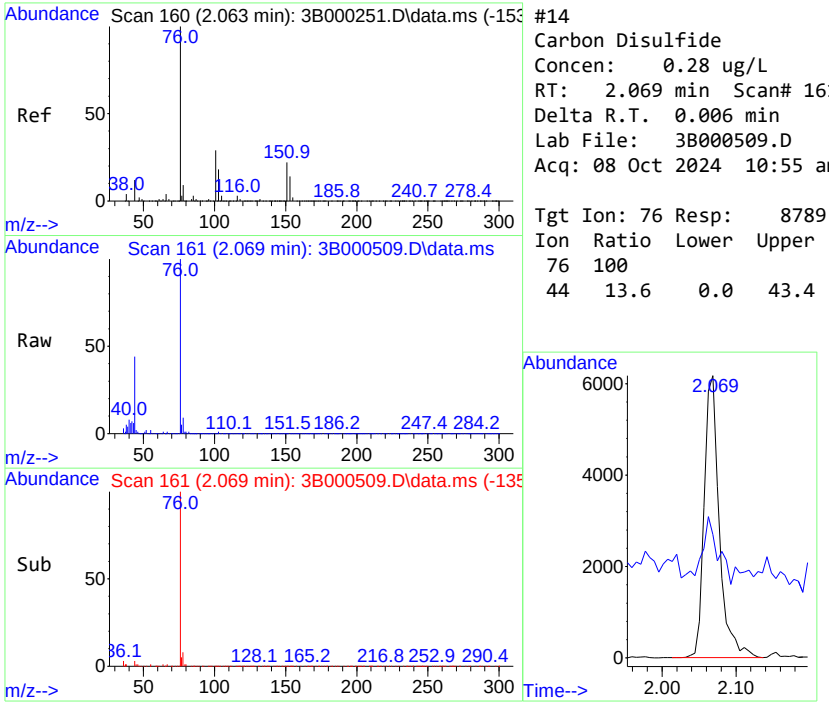
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\MassHunter\GCMS\1\data\100824\
Data File : 3B000509.D
Acq On : 08 Oct 2024 10:55 am
Operator : neilc1
Sample : mb Inst : MSVOA22-3B
Misc : ms57662,V3B23,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 08 11:07:11 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Sep 25 06:45:21 2024
Response via : Initial Calibration

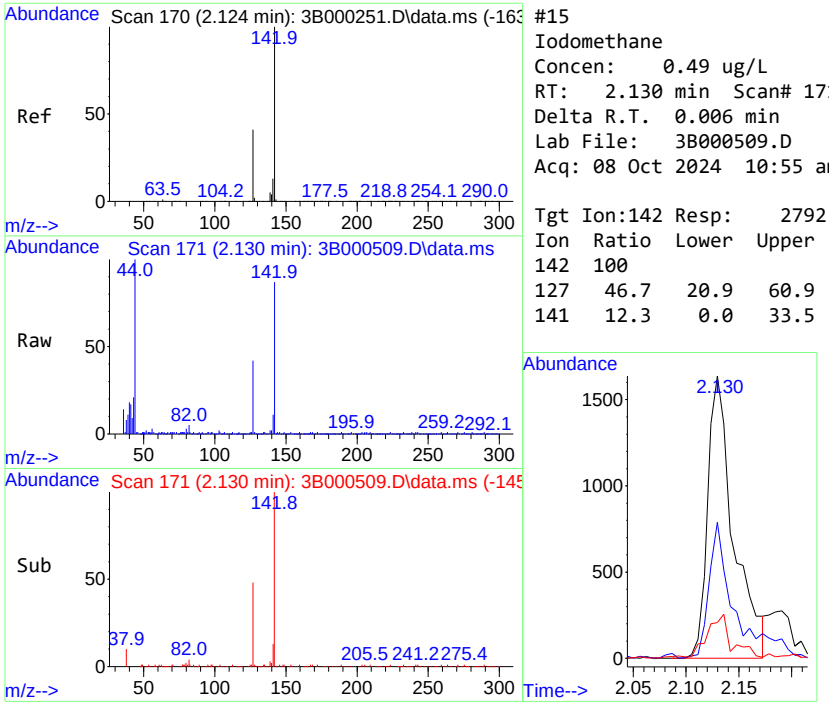




#14
Carbon Disulfide
Concen: 0.28 ug/L
RT: 2.069 min Scan# 161
Delta R.T. 0.006 min
Lab File: 3B000509.D
Acq: 08 Oct 2024 10:55 am

Tgt Ion: 76 Resp: 8789

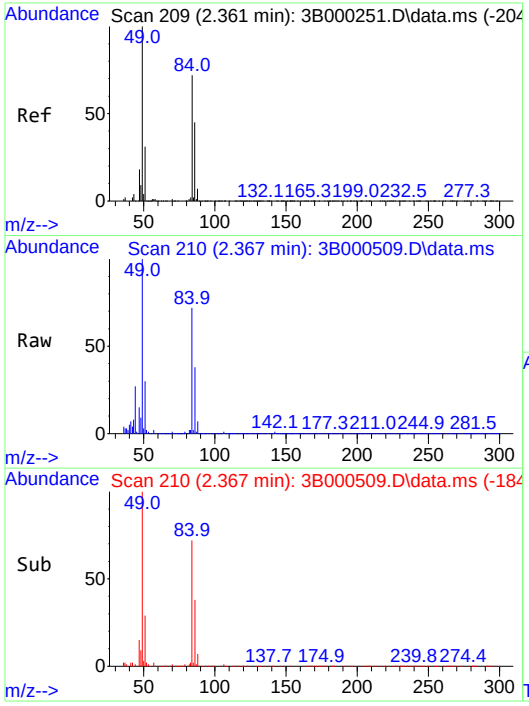
Ion	Ratio	Lower	Upper
76	100		
44	13.6	0.0	43.4



#15
Iodomethane
Concen: 0.49 ug/L
RT: 2.130 min Scan# 171
Delta R.T. 0.006 min
Lab File: 3B000509.D
Acq: 08 Oct 2024 10:55 am

Tgt Ion:142 Resp: 2792

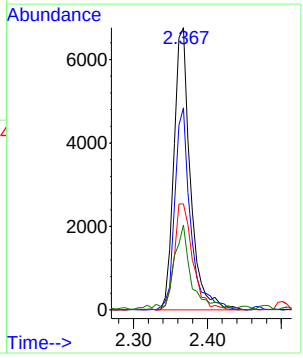
Ion	Ratio	Lower	Upper
142	100		
127	46.7	20.9	60.9
141	12.3	0.0	33.5



#18
Methylene Chloride
Concen: 0.63 ug/L
RT: 2.367 min Scan# 210
Delta R.T. 0.006 min
Lab File: 3B000509.D
Acq: 08 Oct 2024 10:55 am

Tgt Ion: 49 Resp: 10441

Ion	Ratio	Lower	Upper
49	100		
84	71.5	41.7	101.7
86	37.5	15.4	75.4
51	28.8	1.0	61.0



7.2.1

7

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
10/09/24 07:23

Quantitation Report (QT Reviewed)

Data Path : C:\MassHunter\GCMS\1\data\100824\
Data File : 3B000507.D
Acq On : 08 Oct 2024 10:07 am
Operator : neilc1
Sample : bs Inst : MSVOA22-3B
Misc : ms57664,V3B23,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 08 10:26:44 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Sep 25 06:45:21 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.782	96	2145550	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.769	117	1363441	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.513	152	641982	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.324	113	472544	49.16	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.32%			
49) 1,2-Dichloroethane-d4	3.623	65	552508	46.80	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 93.60%			
63) Toluene-d8	4.733	98	2021428	49.51	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 99.02%			
86) 4-Bromofluorobenzene	6.653	174	514538	51.99	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 103.98%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	246605	18.33	ug/L	97
3) Chloromethane	1.331	50	270317	20.67	ug/L	99
4) 1,3-butadiene	1.380	39	288547	26.46	ug/L	96
5) Vinyl Chloride	1.367	62	282755	22.55	ug/L	99
6) Bromomethane	1.575	94	72038	26.10	ug/L	97
7) Chloroethane	1.654	64	118515	25.66	ug/L	100
8) Trichlorofluoromethane	1.739	101	244486	23.53	ug/L	98
9) Ethyl Ether	1.922	59	244356	22.92	ug/L	98
10) Ethanol	1.995	45	32230m	429.59	ug/L	
11) 1,2-Dichlorotrifluoroe...	2.026	67	287557	22.34	ug/L	99
12) 1,1-Dichloroethene	2.038	61	416175	24.01	ug/L	97
13) Freon 113	2.063	101	231059	22.66	ug/L	99
14) Carbon Disulfide	2.063	76	687515	22.70	ug/L	98
15) Iodomethane	2.123	142	174770	27.71	ug/L	95
16) Acrolein	2.221	56	269270	133.02	ug/L	100
17) Allyl chloride	2.306	41	463899	25.08	ug/L	95
18) Methylene Chloride	2.361	49	417194	26.40	ug/L	100
19) Acetone	2.386	43	429211	118.29	ug/L	97
20) Methyl acetate	2.447	43	1362052	126.26	ug/L	100
21) trans-1,2-Dichloroethene	2.453	61	424716	25.56	ug/L	99
22) Hexane	2.495	56	269661	23.23	ug/L	98
23) Methyl Tert Butyl Ether	2.508	73	797000	23.36	ug/L	98
24) Acetonitrile	2.642	41	330243	224.34	ug/L	99
25) Tert Butyl Alcohol	2.544	59	317911	203.59	ug/L	98
26) Di-isopropyl ether	2.709	45	1018409	24.36	ug/L	99
27) Chloroprene	2.806	53	701519	24.60	ug/L	100
28) 1,1-Dichloroethane	2.788	63	522253	24.33	ug/L	100
29) Acrylonitrile	2.806	52	455824	117.85	ug/L	100
30) ETBE	2.904	59	925515	23.75	ug/L	99
31) Vinyl acetate	2.910	43	3865069	141.50	ug/L	98
32) cis-1,2-Dichloroethene	3.081	96	297675	25.51	ug/L	99
33) 2,2-Dichloropropane	3.142	77	409722	24.55	ug/L	98
34) Bromochloromethane	3.190	128	120714	23.14	ug/L	98
35) Cyclohexane	3.203	56	518021	22.77	ug/L	98
36) Chloroform	3.221	83	483035	24.11	ug/L	99
37) Ethyl acetate	2.910	43	3882959	141.50	ug/L	100
38) Tetrahydrofuran	3.318	42	97493	20.79	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\MassHunter\GCMS\1\data\100824\
Data File : 3B000507.D
Acq On : 08 Oct 2024 10:07 am
Operator : neilc1
Sample : bs Inst : MSVOA22-3B
Misc : ms57664,V3B23,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 08 10:26:44 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Sep 25 06:45:21 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
40) Carbon Tetrachloride	3.312	117	327691m	24.44	ug/L		
41) 1,1,1-Trichloroethane	3.349	97	405013	24.20	ug/L		98
42) 2-Butanone	3.385	43	784416	121.41	ug/L		99
43) 1,1-Dichloropropene	3.416	75	389454	27.56	ug/L		94
44) tert-Butyl formate	3.471	59	1653703	157.42	ug/L		98
45) Propionitrile	3.556	54	518317	265.61	ug/L		98
46) Methacrylonitrile	3.568	41	2305451	266.60	ug/L		99
47) Benzene	3.556	78	1161948	25.60	ug/L		86
48) TAME	3.605	73	760913	23.42	ug/L		99
50) 1,2-Dichloroethane	3.666	62	363219	23.31	ug/L		98
51) Isobutyl Alcohol	3.641	43	212402m	527.85	ug/L		
52) Tert Amyl Alcohol	3.702	59	199170	227.99	ug/L		98
53) Trichloroethene	3.885	95	292118	25.76	ug/L		94
54) Methylcyclohexane	3.885	83	464365	24.01	ug/L		99
55) Dibromomethane	4.129	93	160210	24.08	ug/L		98
56) 1,2-Dichloropropane	4.190	63	318311	25.48	ug/L		97
57) Bromodichloromethane	4.221	83	340228	24.17	ug/L		99
58) Methyl methacrylate	4.306	41	302515	26.75	ug/L		94
59) 1,4-Dioxane	4.343	88	38863	451.99	ug/L		97
60) 2-Chloroethyl vinyl ether	4.562	63	1074662	129.15	ug/L		99
61) cis-1,3-Dichloropropene	4.611	75	463622	25.32	ug/L		93
64) Toluene	4.763	91	1189340	25.44	ug/L		99
65) 2-Nitropropane	4.586	41	114836	322.12	ug/L	#	1
66) 4-Methyl-2-pentanone	4.995	43	1640065	121.90	ug/L		99
67) trans-1,3-Dichloropropene	4.611	75	463622	24.91	ug/L		94
68) Tetrachloroethene	5.019	166	291446	24.70	ug/L		97
69) Ethyl methacrylate	5.117	69	374509	28.64	ug/L		96
70) 1,1,2-Trichloroethane	5.129	83	217154	25.32	ug/L		98
71) Dibromochloromethane	5.251	129	250782	26.61	ug/L		98
72) 1,3-Dichloropropane	5.318	76	469797	25.32	ug/L		95
73) 1,2-Dibromoethane	5.422	107	262870	25.41	ug/L		98
74) 3,3-Dimethyl-1-Butanol	5.531	57	1312561	1143.05	ug/L		99
75) 2-hexanone	5.556	43	1320966	119.99	ug/L		99
76) 1-Chlorohexane	5.757	91	360196m	22.87	ug/L		
77) Ethylbenzene	5.794	91	1249241m	24.49	ug/L		
78) Chlorobenzene	5.781	112	704703	24.95	ug/L		98
79) 1,1,1,2-Tetrachloroethane	5.824	131	247415	26.83	ug/L		99
80) m,p-Xylene	5.897	91	1928063	49.27	ug/L		100
81) o-Xylene	6.208	91	960408	24.15	ug/L		98
82) Styrene	6.251	104	776998	25.57	ug/L		98
83) Bromoform	6.269	173	153905	25.17	ug/L		98
84) Isopropylbenzene	6.446	105	1161192	24.87	ug/L		98
87) cis-1,4-Dichloro-2-butene	6.702	53	122654	27.54	ug/L	#	82
88) n-Propylbenzene	6.757	91	1344330	25.52	ug/L		100
89) Bromobenzene	6.738	156	268470	25.82	ug/L		91
90) 1,1,2,2-Tetrachloroethane	6.806	83	328003	26.81	ug/L		98
91) 1,3,5-Trimethylbenzene	6.909	105	949972	25.59	ug/L		99
92) 2-Chlorotoluene	6.879	91	870537	24.71	ug/L		98
93) trans-1,4-Dichloro-2-B...	6.940	53	89575	25.54	ug/L		96
94) 1,2,3-Trichloropropane	6.909	110	101829	25.53	ug/L		96
95) Cyclohexanone	6.946	55	92422	258.15	ug/L		98
96) 4-Chlorotoluene	7.007	91	830786	24.86	ug/L		96
97) tert-Butylbenzene	7.159	91	515463	24.67	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : C:\MassHunter\GCMS\1\data\100824\
Data File : 3B000507.D
Acq On : 08 Oct 2024 10:07 am
Operator : neilc1
Sample : bs Inst : MSVOA22-3B
Misc : ms57664,V3B23,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 08 10:26:44 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Sep 25 06:45:21 2024
Response via : Initial Calibration

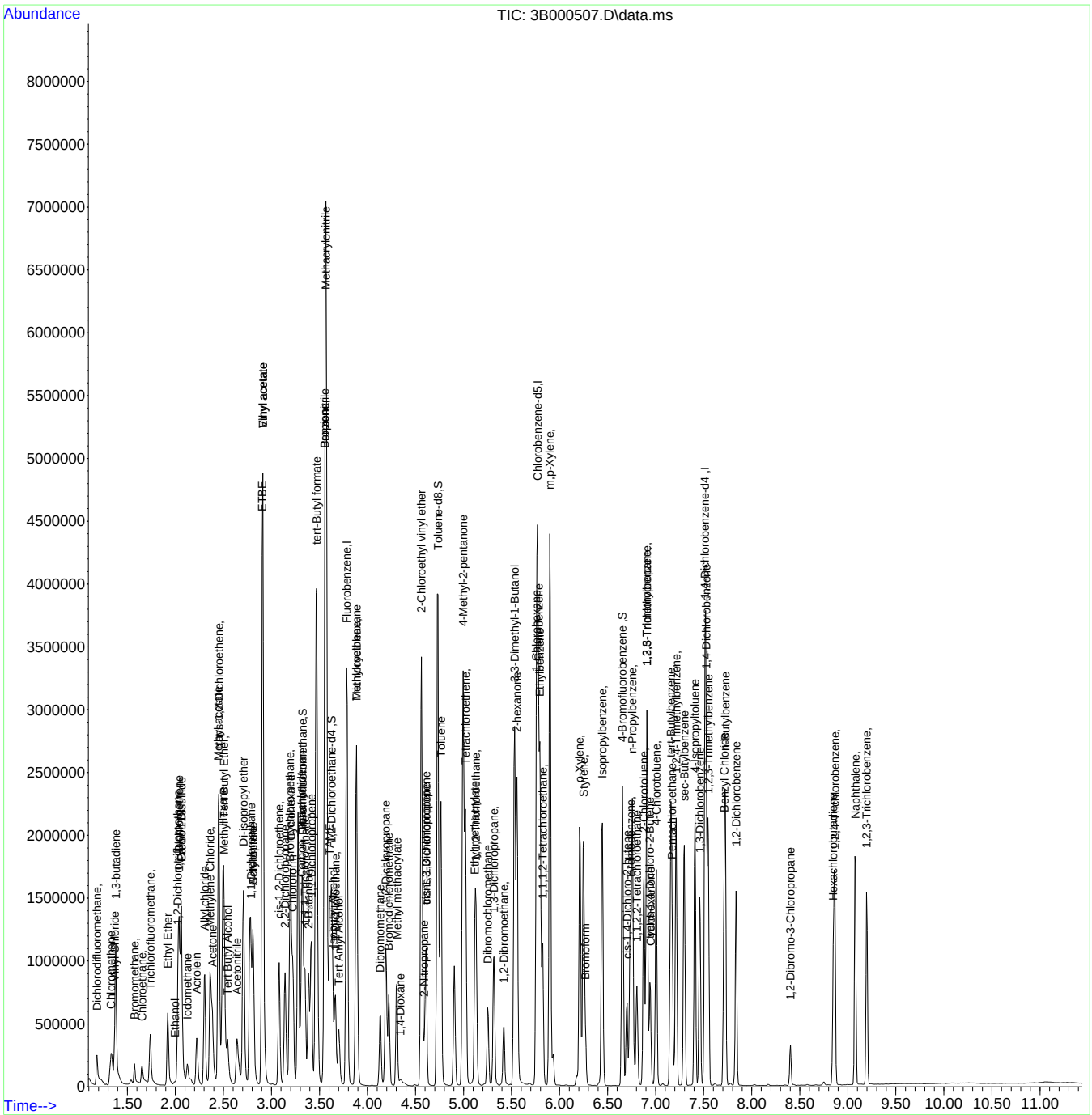
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
98) 1,2,4-Trimethylbenzene	7.214	105	929264	25.23	ug/L		98
99) Pentachloroethane	7.171	167	146131	33.30	ug/L	#	87
100) sec-Butylbenzene	7.299	105	1096583	24.60	ug/L		97
101) 4-Isopropyltoluene	7.409	119	940482	25.28	ug/L		98
102) 1,3-Dichlorobenzene	7.458	146	485693	24.92	ug/L		98
103) 1,2,3-Trimethylbenzene	7.549	105	914704	24.24	ug/L		97
104) 1,4-Dichlorobenzene	7.525	146	487764	24.94	ug/L		98
105) n-Butylbenzene	7.726	92	549886	26.99	ug/L		89
106) Benzyl Chloride	7.714	126	123557	24.67	ug/L	#	58
107) 1,2-Dichlorobenzene	7.836	146	458659	24.61	ug/L		99
108) 1,2-Dibromo-3-Chloropr...	8.403	75	56118	24.24	ug/L		88
109) Hexachlorobutadiene	8.848	225	128486	27.26	ug/L		98
110) 1,2,4-Trichlorobenzene	8.866	180	334299	27.15	ug/L		97
111) Naphthalene	9.080	128	985670	26.00	ug/L		98
112) 1,2,3-Trichlorobenzene	9.195	180	318327	26.55	ug/L		97

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

Quantitation Report (QT Reviewed)

Data Path : C:\MassHunter\GCMS\1\data\100824\
Data File : 3B000507.D
Acq On : 08 Oct 2024 10:07 am
Operator : neilc1
Sample : bs Inst : MSVOA22-3B
Misc : ms57664,V3B23,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 08 10:26:44 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Sep 25 06:45:21 2024
Response via : Initial Calibration



Manual Integration Approval Summary

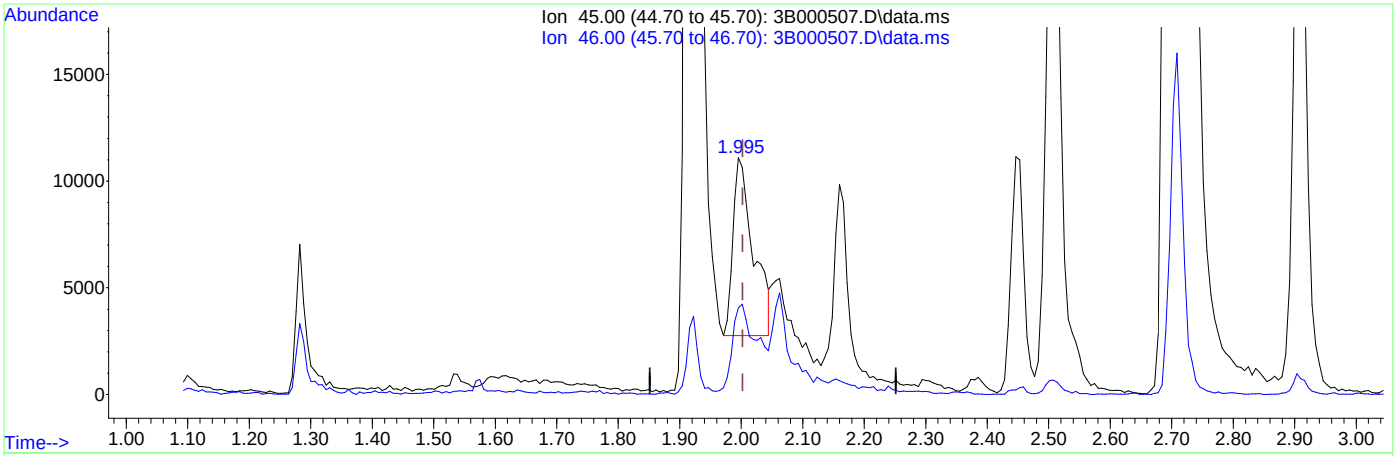
Sample Number: V3B23-BS
Lab FileID: 3B000507.D
Injection Time: 10/08/24 10:07
Method: SW846 8260D
Analyst approved: 10/08/24 10:57 Neil Christiana
Supervisor approved: 10/09/24 07:23 Karen Watson

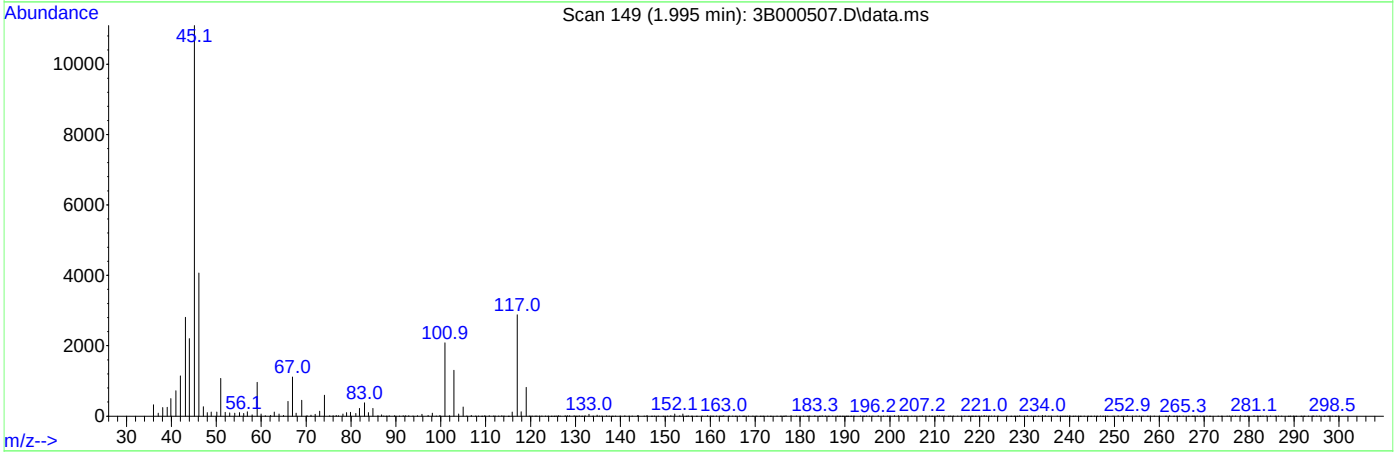
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		2.00	Poorly defined baseline
Carbon Tetrachloride	56-23-5		3.31	Overlapping peak
Isobutyl Alcohol	78-83-1		3.64	Poorly defined baseline
1-Chlorohexane	544-10-5		5.76	Poorly defined baseline
Ethylbenzene	100-41-4		5.79	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\100824\
Data File : 3B000507.D
Acq On : 08 Oct 2024 10:07 am
Operator : neilc1
Sample : bs Inst : MSVOA22-3B
Misc : ms57664,V3B23,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 08 10:26:44 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Sep 25 06:45:21 2024
Response via : Initial Calibration





TIC: 3B000507.D\data.ms

(10) Ethanol

1.995min (-0.007) 245.15ug/L

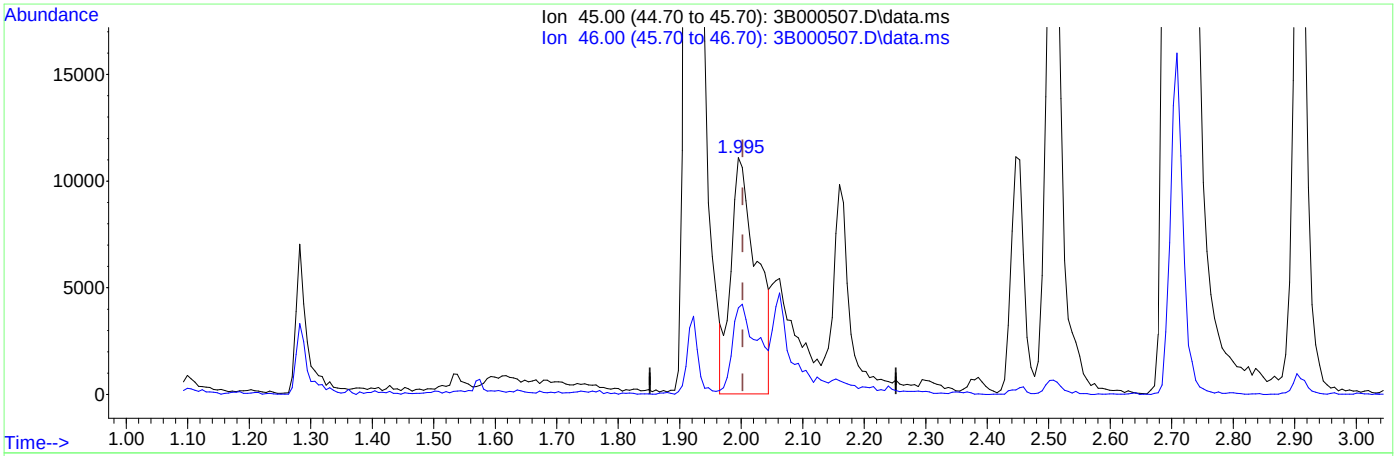
response 19225

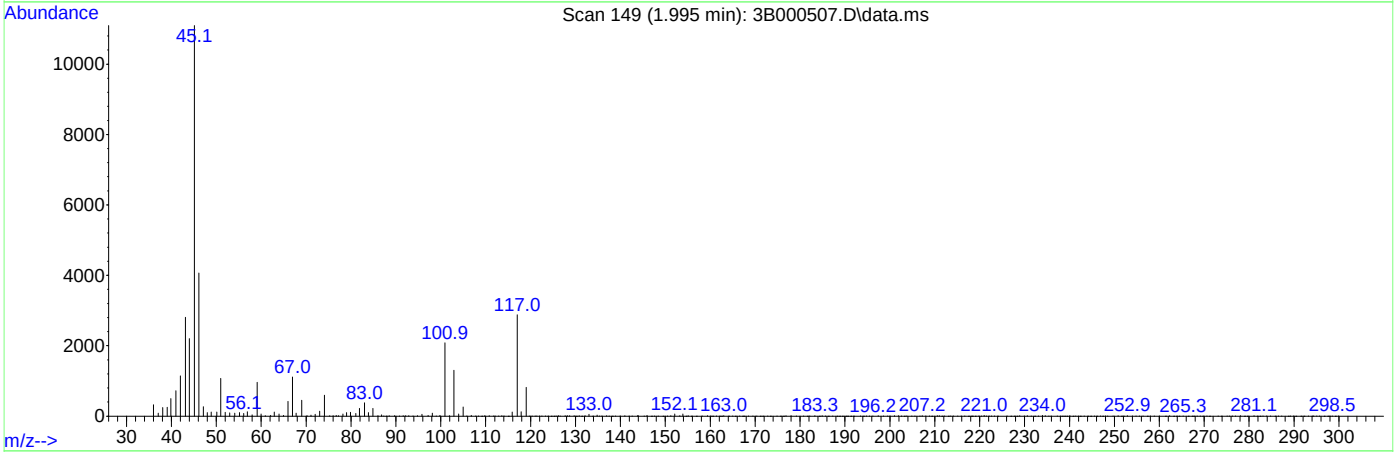
Ion	Exp%	Act%
45.00	100	100
46.00	38.00	44.99
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\100824\
Data File : 3B000507.D
Acq On : 08 Oct 2024 10:07 am
Operator : neilc1
Sample : bs Inst : MSVOA22-3B
Misc : ms57664,V3B23,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 08 10:26:44 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Sep 25 06:45:21 2024
Response via : Initial Calibration





TIC: 3B000507.D\data.ms

(10) Ethanol

1.995min (-0.007) 429.59ug/L m

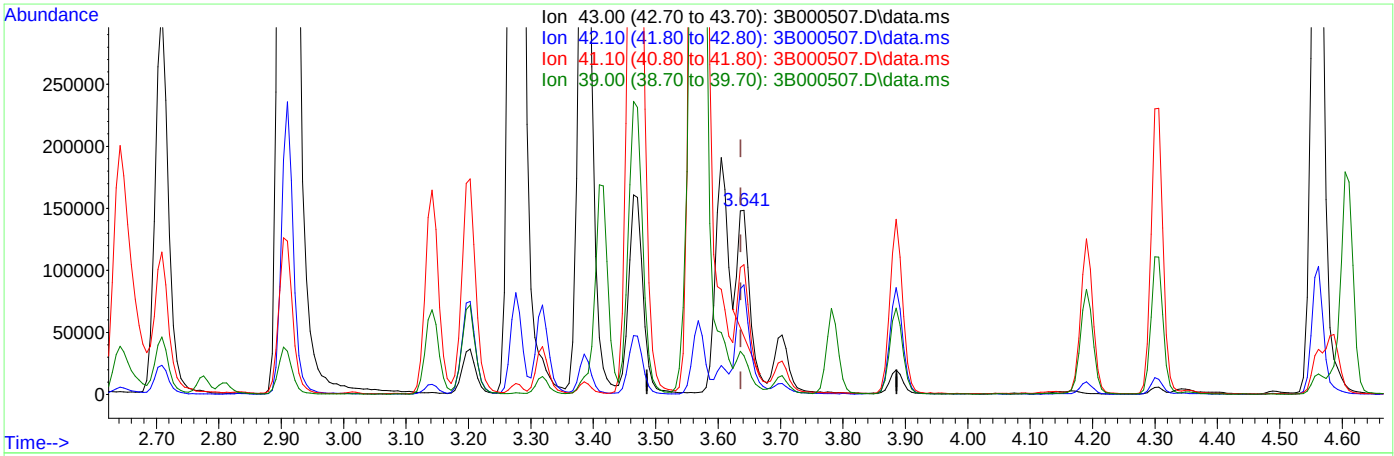
response 32230

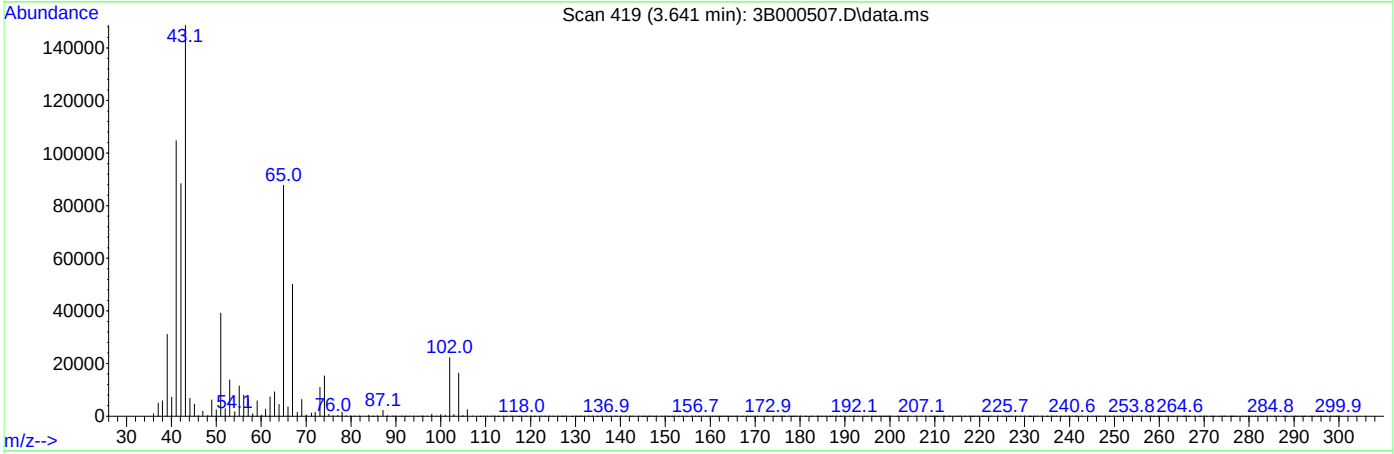
Ion	Exp%	Act%
45.00	100	100
46.00	38.00	36.62
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\100824\
Data File : 3B000507.D
Acq On : 08 Oct 2024 10:07 am
Operator : neilc1
Sample : bs Inst : MSVOA22-3B
Misc : ms57664,V3B23,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 08 10:26:44 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Sep 25 06:45:21 2024
Response via : Initial Calibration





TIC: 3B000507.D\data.ms

(51) Isobutyl Alcohol

3.641min (+0.005) 276.37ug/L

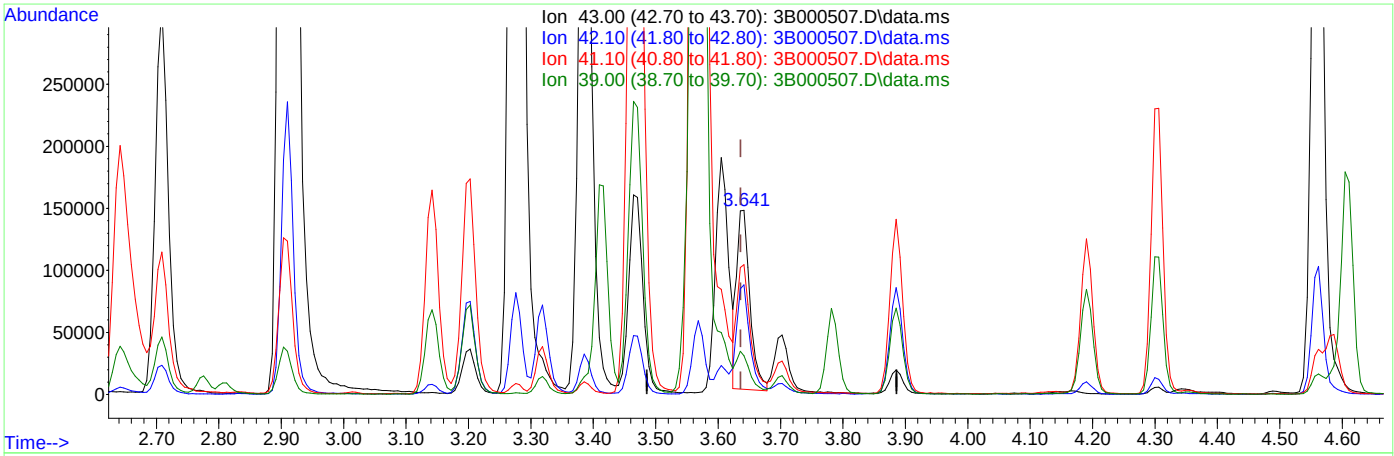
response 108362

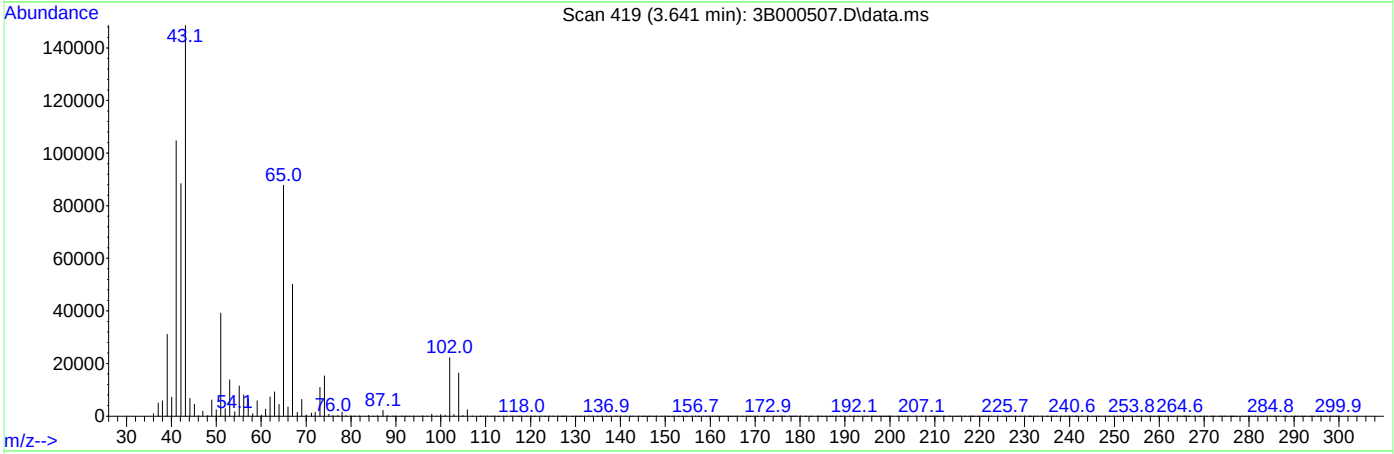
Ion	Exp%	Act%
43.00	100	100
42.10	58.30	59.64
41.10	72.80	68.23
39.00	24.70	19.13

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\100824\
Data File : 3B000507.D
Acq On : 08 Oct 2024 10:07 am
Operator : neilc1
Sample : bs Inst : MSVOA22-3B
Misc : ms57664,V3B23,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 08 10:26:44 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Sep 25 06:45:21 2024
Response via : Initial Calibration





TIC: 3B000507.D\data.ms

(51) Isobutyl Alcohol

3.641min (+0.005) 527.85ug/L m

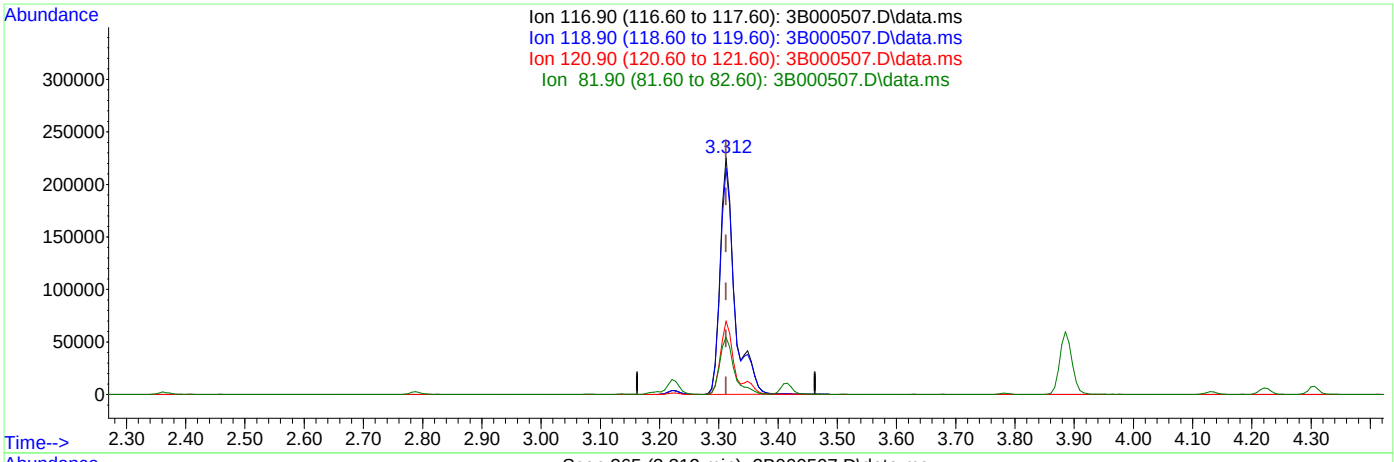
response 212402

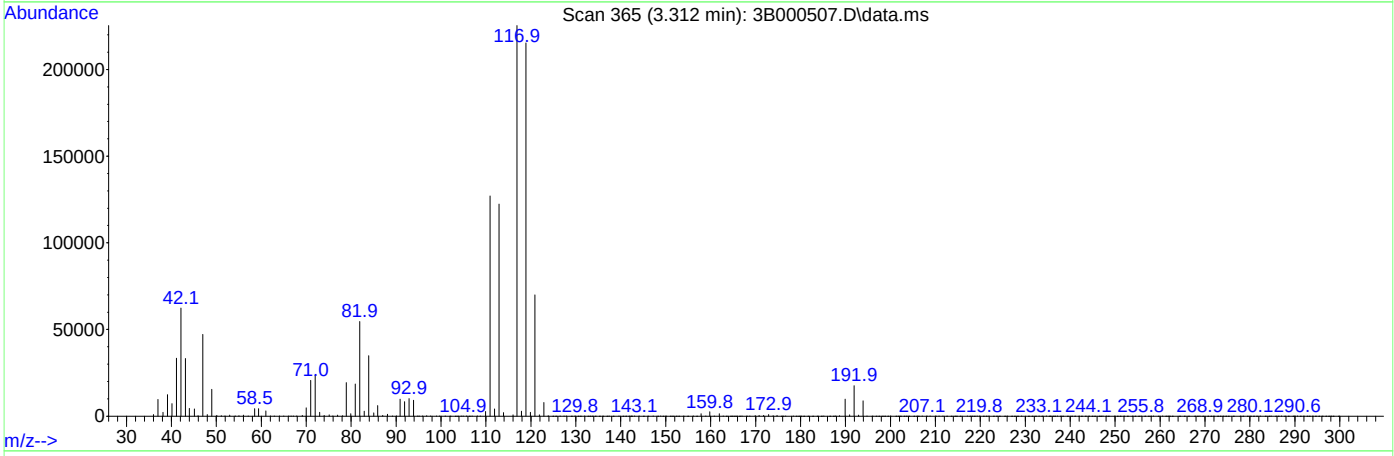
Ion	Exp%	Act%
43.00	100	100
42.10	58.30	59.48
41.10	72.80	70.49
39.00	24.70	20.92

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\100824\
Data File : 3B000507.D
Acq On : 08 Oct 2024 10:07 am
Operator : neilc1
Sample : bs Inst : MSVOA22-3B
Misc : ms57664,V3B23,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 08 10:26:44 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Sep 25 06:45:21 2024
Response via : Initial Calibration





TIC: 3B000507.D\data.ms

(40) Carbon Tetrachloride ( )

3.312min (+0.000) 28.28ug/L

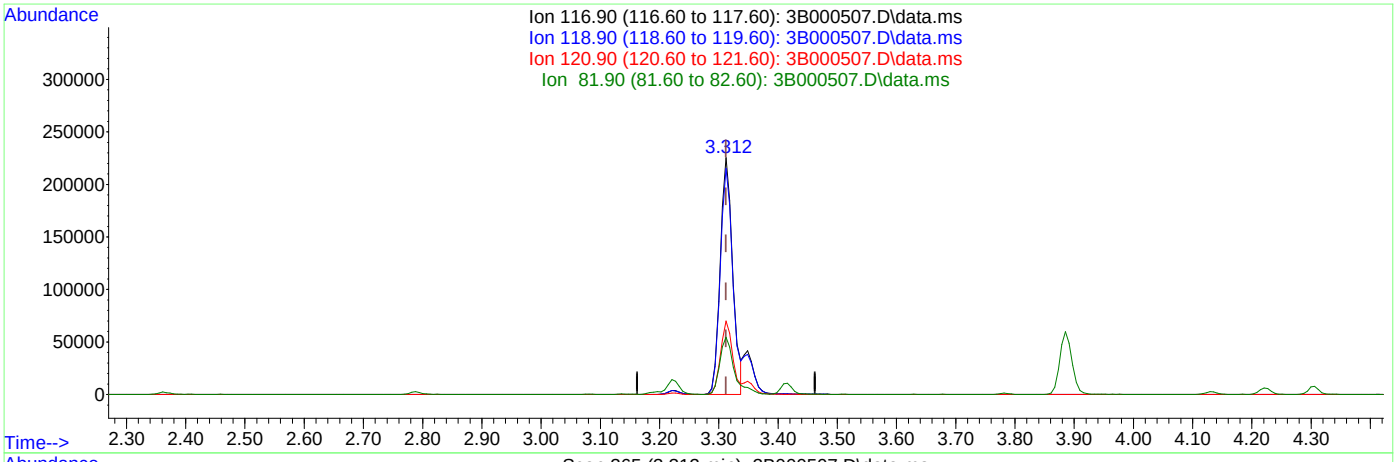
response 379216

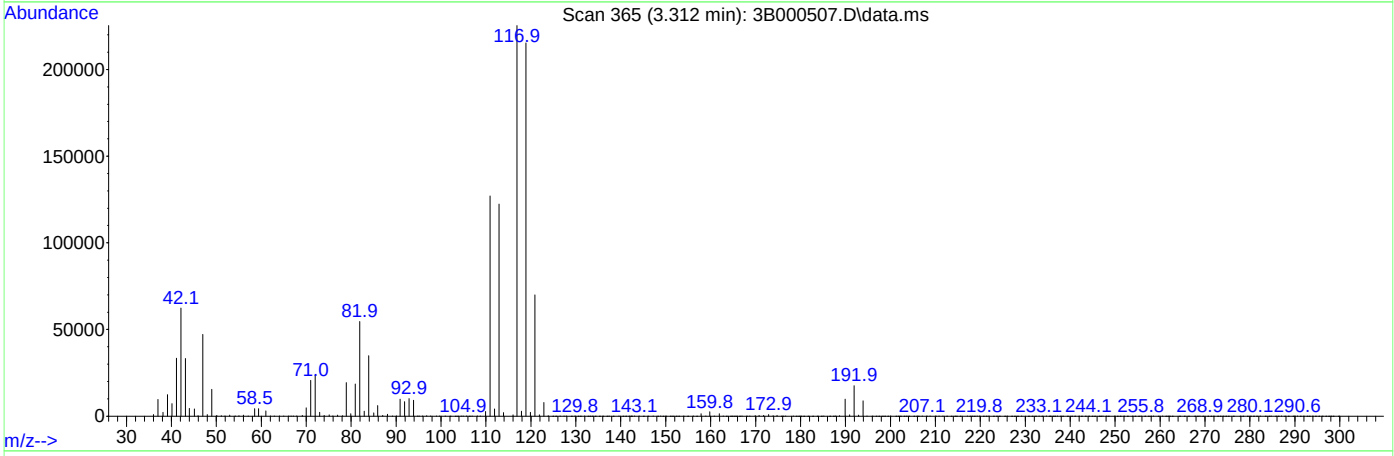
Ion	Exp%	Act%
116.90	100	100
118.90	97.60	95.52
120.90	30.80	31.03
81.90	24.50	24.13

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\100824\
Data File : 3B000507.D
Acq On : 08 Oct 2024 10:07 am
Operator : neilc1
Sample : bs Inst : MSVOA22-3B
Misc : ms57664,V3B23,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 08 10:26:44 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Sep 25 06:45:21 2024
Response via : Initial Calibration





TIC: 3B000507.D\data.ms

(40) Carbon Tetrachloride ( )

3.312min (+0.000) 24.44ug/L m

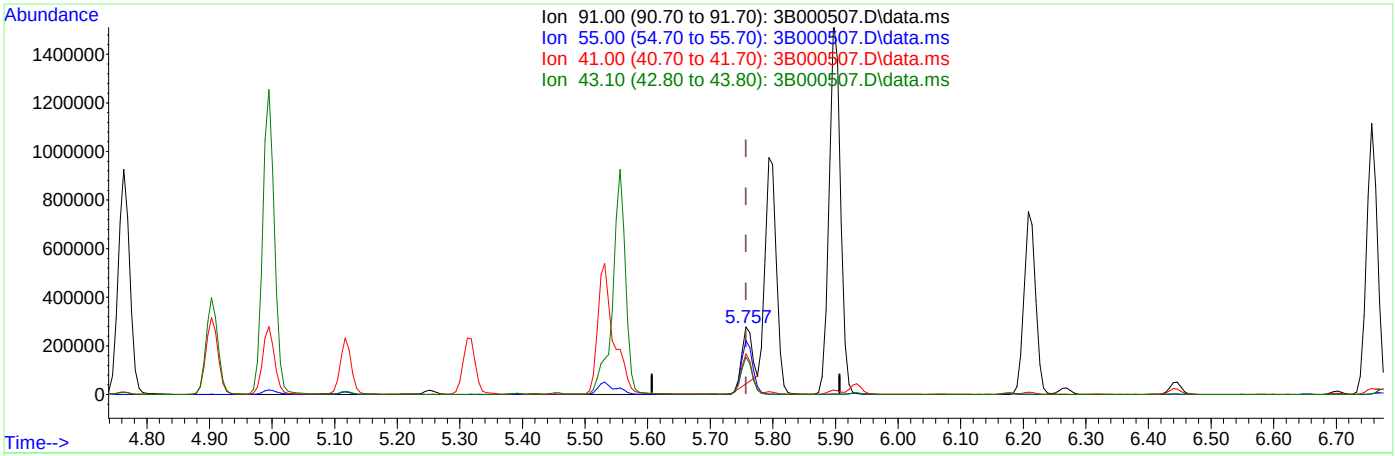
response 327691

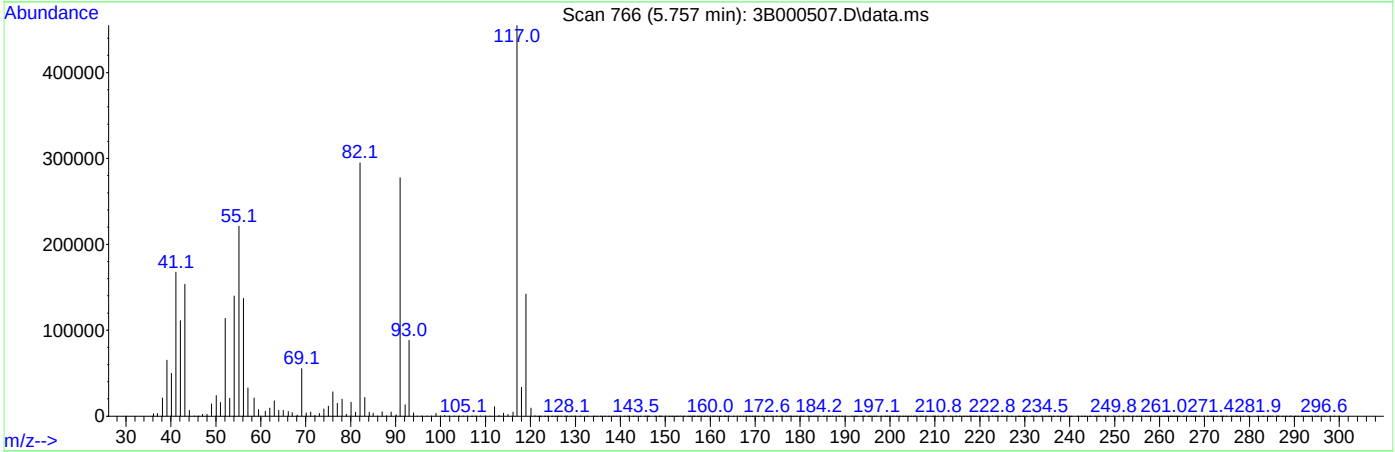
Ion	Exp%	Act%
116.90	100	100
118.90	97.60	95.54
120.90	30.80	31.04
81.90	24.50	24.18

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\100824\
Data File : 3B000507.D
Acq On : 08 Oct 2024 10:07 am
Operator : neilc1
Sample : bs Inst : MSVOA22-3B
Misc : ms57664,V3B23,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 08 10:26:44 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Sep 25 06:45:21 2024
Response via : Initial Calibration





TIC: 3B000507.D\data.ms

(76) 1-Chlorohexane

5.757min (-0.000) 16.78ug/L

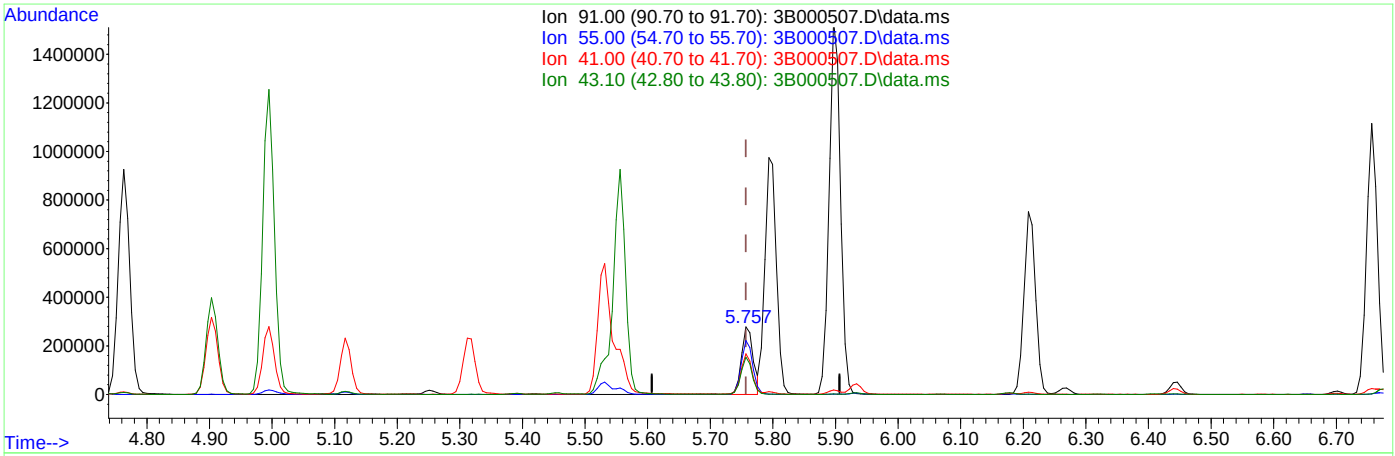
response 264290

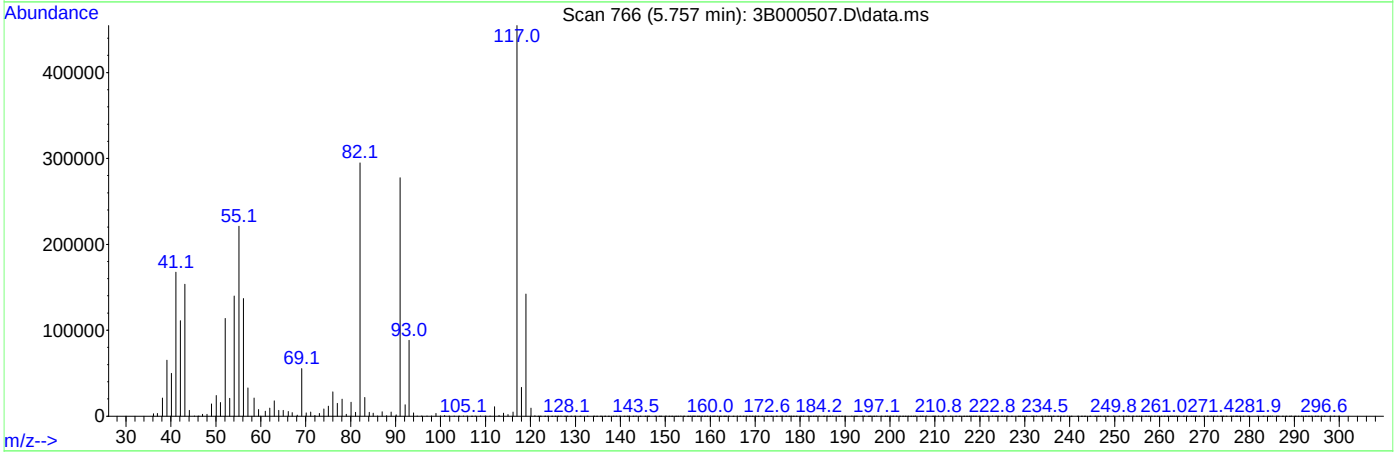
Ion	Exp%	Act%
91.00	100	100
55.00	79.50	78.69
41.00	60.40	58.64
43.10	52.20	54.31

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\100824\
Data File : 3B000507.D
Acq On : 08 Oct 2024 10:07 am
Operator : neilc1
Sample : bs Inst : MSVOA22-3B
Misc : ms57664,V3B23,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 08 10:26:44 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Sep 25 06:45:21 2024
Response via : Initial Calibration





TIC: 3B000507.D\data.ms

(76) 1-Chlorohexane

5.757min (-0.000) 22.87ug/L m

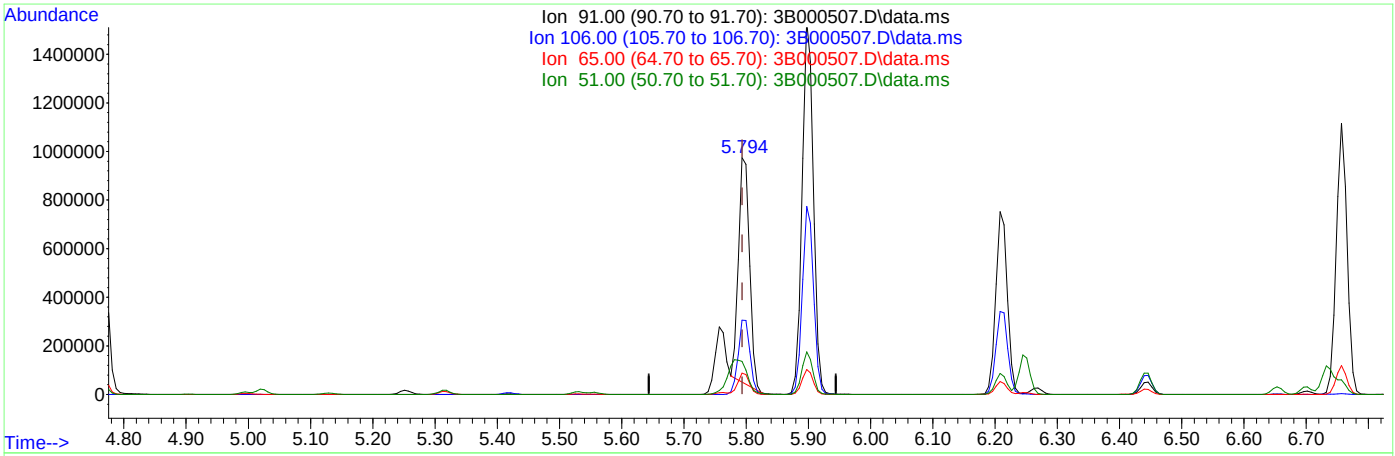
response 360196

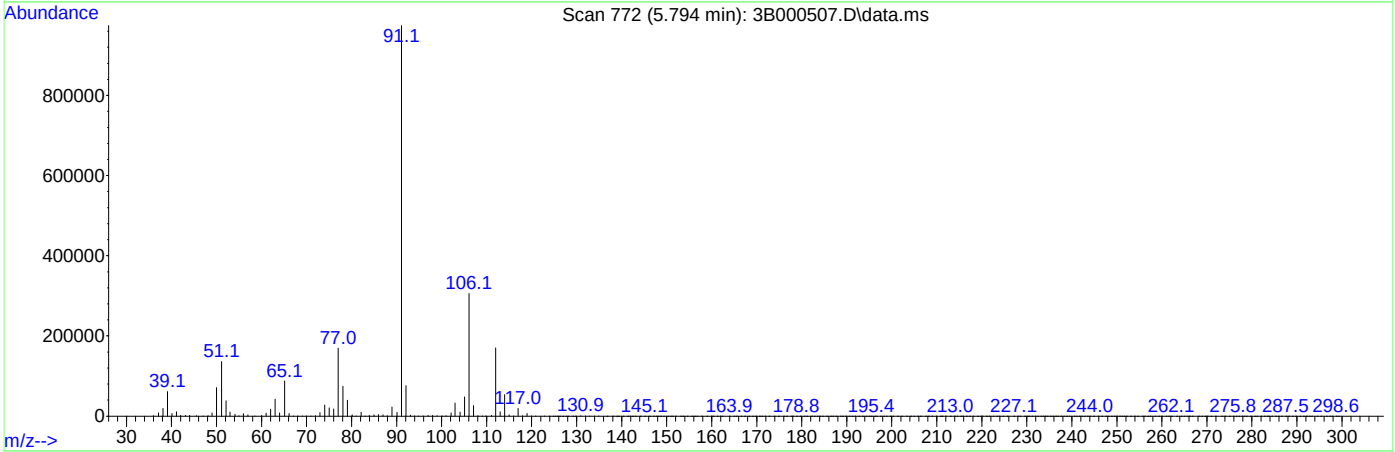
Ion	Exp%	Act%
91.00	100	100
55.00	79.50	79.67
41.00	60.40	60.40
43.10	52.20	55.35

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\100824\
Data File : 3B000507.D
Acq On : 08 Oct 2024 10:07 am
Operator : neilc1
Sample : bs Inst : MSVOA22-3B
Misc : ms57664,V3B23,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 08 10:26:44 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Sep 25 06:45:21 2024
Response via : Initial Calibration





TIC: 3B000507.D\data.ms

(77) Ethylbenzene

5.794min (-0.000) 22.06ug/L

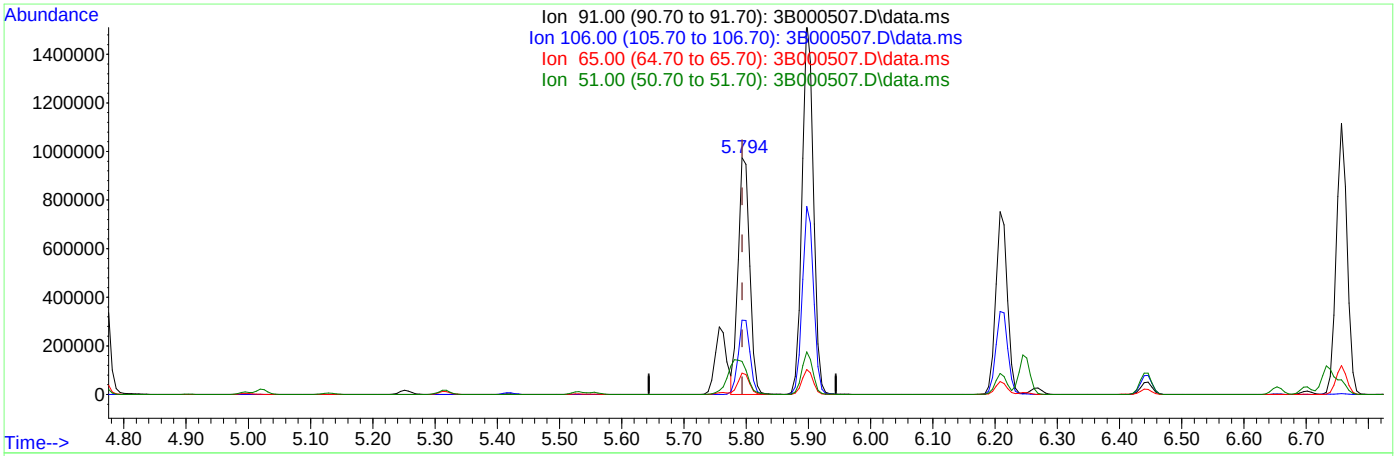
response 1125359

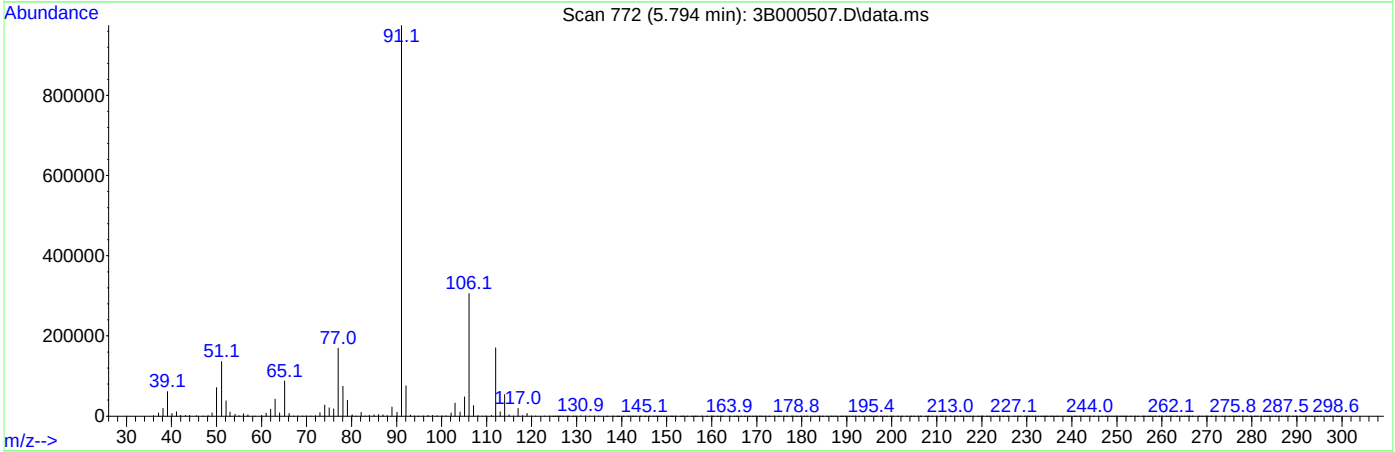
Ion	Exp%	Act%
91.00	100	100
106.00	31.60	31.33
65.00	9.30	8.94
51.00	12.70	13.59

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\100824\
Data File : 3B000507.D
Acq On : 08 Oct 2024 10:07 am
Operator : neilc1
Sample : bs Inst : MSVOA22-3B
Misc : ms57664,V3B23,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 08 10:26:44 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Sep 25 06:45:21 2024
Response via : Initial Calibration





TIC: 3B000507.D\data.ms

(77) Ethylbenzene

5.794min (-0.000) 24.49ug/L m

response 1249241

Ion	Exp%	Act%
91.00	100	100
106.00	31.60	31.35
65.00	9.30	9.02
51.00	12.70	13.95

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
10/09/24 07:23

Quantitation Report (QT Reviewed)

Data Path : C:\MassHunter\GCMS\1\data\100824\
Data File : 3B000530.D
Acq On : 08 Oct 2024 07:27 pm
Operator : neilc1
Sample : fc19293-2ms Inst : MSVOA22-3B
Misc : ms57662,V3B23,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 09 06:00:32 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Oct 09 05:14:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.782	96	1586798	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.769	117	1058512	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.513	152	517905	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.325	113	371840	52.30	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 104.60%			
49) 1,2-Dichloroethane-d4	3.623	65	446279	51.11	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 102.22%			
63) Toluene-d8	4.727	98	1532700	48.35	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 96.70%			
86) 4-Bromofluorobenzene	6.653	174	405682	50.81	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.62%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	197844	19.88	ug/L	97
3) Chloromethane	1.331	50	239210	24.73	ug/L	97
4) 1,3-butadiene	1.380	39	260712	32.33	ug/L	98
5) Vinyl Chloride	1.368	62	249048	26.85	ug/L	98
6) Bromomethane	1.575	94	45527	22.61	ug/L	99
7) Chloroethane	1.654	64	88848	26.05	ug/L	98
8) Trichlorofluoromethane	1.740	101	211724	27.56	ug/L	98
9) Ethyl Ether	1.922	59	208241	26.41	ug/L	97
10) Ethanol	1.996	45	49476	1052.63	ug/L	99
11) 1,2-Dichlorotrifluoroe...	2.026	67	244705	25.71	ug/L	97
12) 1,1-Dichloroethene	2.038	61	342937	26.75	ug/L	99
13) Freon 113	2.063	101	177077	23.48	ug/L	98
14) Carbon Disulfide	2.063	76	530212	23.67	ug/L	99
15) Iodomethane	2.124	142	84894	19.03	ug/L	99
16) Acrolein	2.221	56	234123	156.38	ug/L	98
17) Allyl chloride	2.300	41	374622	27.38	ug/L	96
18) Methylene Chloride	2.361	49	317546	27.17	ug/L	97
19) Acetone	2.386	43	405596	152.45	ug/L	99
20) Methyl acetate	2.447	43	1046977	131.23	ug/L	98
21) trans-1,2-Dichloroethene	2.453	61	342547	27.88	ug/L	98
22) Hexane	2.496	56	212744	24.78	ug/L	98
23) Methyl Tert Butyl Ether	2.508	73	626584	24.83	ug/L	99
24) Acetonitrile	2.642	41	353910	333.78	ug/L	98
25) Tert Butyl Alcohol	2.544	59	341498	295.71	ug/L	98
26) Di-isopropyl ether	2.709	45	794520	25.69	ug/L	99
27) Chloroprene	2.806	53	623196	29.55	ug/L	100
28) 1,1-Dichloroethane	2.788	63	429513	27.05	ug/L	99
29) Acrylonitrile	2.806	52	415073	145.10	ug/L	99
30) ETBE	2.904	59	727971	25.26	ug/L	99
31) Vinyl acetate	2.910	43	2820555	139.62	ug/L	98
32) cis-1,2-Dichloroethene	3.081	96	337166	39.07	ug/L	98
33) 2,2-Dichloropropane	3.142	77	296192	23.99	ug/L	99
34) Bromochloromethane	3.191	128	90155	23.37	ug/L	90
35) Cyclohexane	3.203	56	401453	23.86	ug/L	97
36) Chloroform	3.221	83	388731	26.24	ug/L	99
37) Ethyl acetate	2.910	43	2834019	139.64	ug/L	100
38) Tetrahydrofuran	3.319	42	96421	27.80	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : C:\MassHunter\GCMS\1\data\100824\
Data File : 3B000530.D
Acq On : 08 Oct 2024 07:27 pm
Operator : neilc1
Sample : fc19293-2ms Inst : MSVOA22-3B
Misc : ms57662,V3B23,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 09 06:00:32 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Oct 09 05:14:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
40) Carbon Tetrachloride	3.312	117	260564m	26.27	ug/L		
41) 1,1,1-Trichloroethane	3.349	97	323613	26.15	ug/L		99
42) 2-Butanone	3.386	43	750904	157.14	ug/L		100
43) 1,1-Dichloropropene	3.416	75	309782	29.64	ug/L		95
44) tert-Butyl formate	3.471	59	1205	0.16	ug/L		96
45) Propionitrile	3.556	54	504694	349.70	ug/L		90
46) Methacrylonitrile	3.568	41	2070493	323.74	ug/L		98
47) Benzene	3.556	78	951424	28.34	ug/L		80
48) TAME	3.605	73	583600	24.29	ug/L		97
50) 1,2-Dichloroethane	3.666	62	298724	25.93	ug/L		98
51) Isobutyl Alcohol	3.636	43	225698m	742.21	ug/L		
52) Tert Amyl Alcohol	3.703	59	220994	332.84	ug/L		95
53) Trichloroethene	3.879	95	228563	27.25	ug/L		98
54) Methylcyclohexane	3.886	83	338850	23.69	ug/L		98
55) Dibromomethane	4.129	93	128475	26.11	ug/L		98
56) 1,2-Dichloropropane	4.190	63	255154	27.62	ug/L		98
57) Bromodichloromethane	4.221	83	270145	25.95	ug/L		98
58) Methyl methacrylate	4.300	41	258025	30.85	ug/L		97
59) 1,4-Dioxane	4.343	88	40114	630.82	ug/L		95
60) 2-Chloroethyl vinyl ether	4.611	63	1948	0.32	ug/L	#	49
61) cis-1,3-Dichloropropene	4.605	75	350398	25.87	ug/L		99
64) Toluene	4.763	91	929666	25.62	ug/L		100
65) 2-Nitropropane	4.587	41	43936	153.54	ug/L	#	1
66) 4-Methyl-2-pentanone	4.995	43	1671616	159.60	ug/L		99
67) trans-1,3-Dichloropropene	4.605	75	350398	24.25	ug/L		99
68) Tetrachloroethene	5.013	166	211749	23.12	ug/L		99
69) Ethyl methacrylate	5.117	69	313832	30.91	ug/L		96
70) 1,1,2-Trichloroethane	5.129	83	176403	26.50	ug/L		98
71) Dibromochloromethane	5.251	129	190182	25.99	ug/L		98
72) 1,3-Dichloropropane	5.312	76	380936	26.44	ug/L		99
73) 1,2-Dibromoethane	5.416	107	208419	25.95	ug/L		100
74) 3,3-Dimethyl-1-Butanol	5.532	57	1699288	1833.74	ug/L		98
75) 2-hexanone	5.556	43	1445580	167.48	ug/L		100
76) 1-Chlorohexane	5.757	91	191765	15.68	ug/L		96
77) Ethylbenzene	5.794	91	866648	21.88	ug/L		99
78) Chlorobenzene	5.782	112	569214	25.96	ug/L		99
79) 1,1,1,2-Tetrachloroethane	5.824	131	188143	26.28	ug/L		99
80) m,p-Xylene	5.897	91	1488483	48.99	ug/L		99
81) o-Xylene	6.208	91	742485	24.05	ug/L		100
82) Styrene	6.245	104	586005	24.84	ug/L		99
83) Bromoform	6.269	173	116984	24.67	ug/L		97
84) Isopropylbenzene	6.440	105	878286	24.23	ug/L		99
87) cis-1,4-Dichloro-2-butene	6.696	53	94888	26.41	ug/L		96
88) n-Propylbenzene	6.757	91	1035198	24.36	ug/L		98
89) Bromobenzene	6.733	156	207421	24.72	ug/L		97
90) 1,1,2,2-Tetrachloroethane	6.806	83	288614	29.24	ug/L		99
91) 1,3,5-Trimethylbenzene	6.909	105	724752	24.20	ug/L		100
92) 2-Chlorotoluene	6.873	91	690438	24.29	ug/L		99
93) trans-1,4-Dichloro-2-B...	6.940	53	68457	24.22	ug/L		96
94) 1,2,3-Trichloropropane	6.909	110	89510	27.82	ug/L		96
95) Cyclohexanone	6.940	55	44772	155.02	ug/L		96
96) 4-Chlorotoluene	7.007	91	649489	24.09	ug/L		98
97) tert-Butylbenzene	7.159	91	392779	23.31	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : C:\MassHunter\GCMS\1\data\100824\
Data File : 3B000530.D
Acq On : 08 Oct 2024 07:27 pm
Operator : neilc1
Sample : fc19293-2ms Inst : MSVOA22-3B
Misc : ms57662,V3B23,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 09 06:00:32 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Oct 09 05:14:10 2024
Response via : Initial Calibration

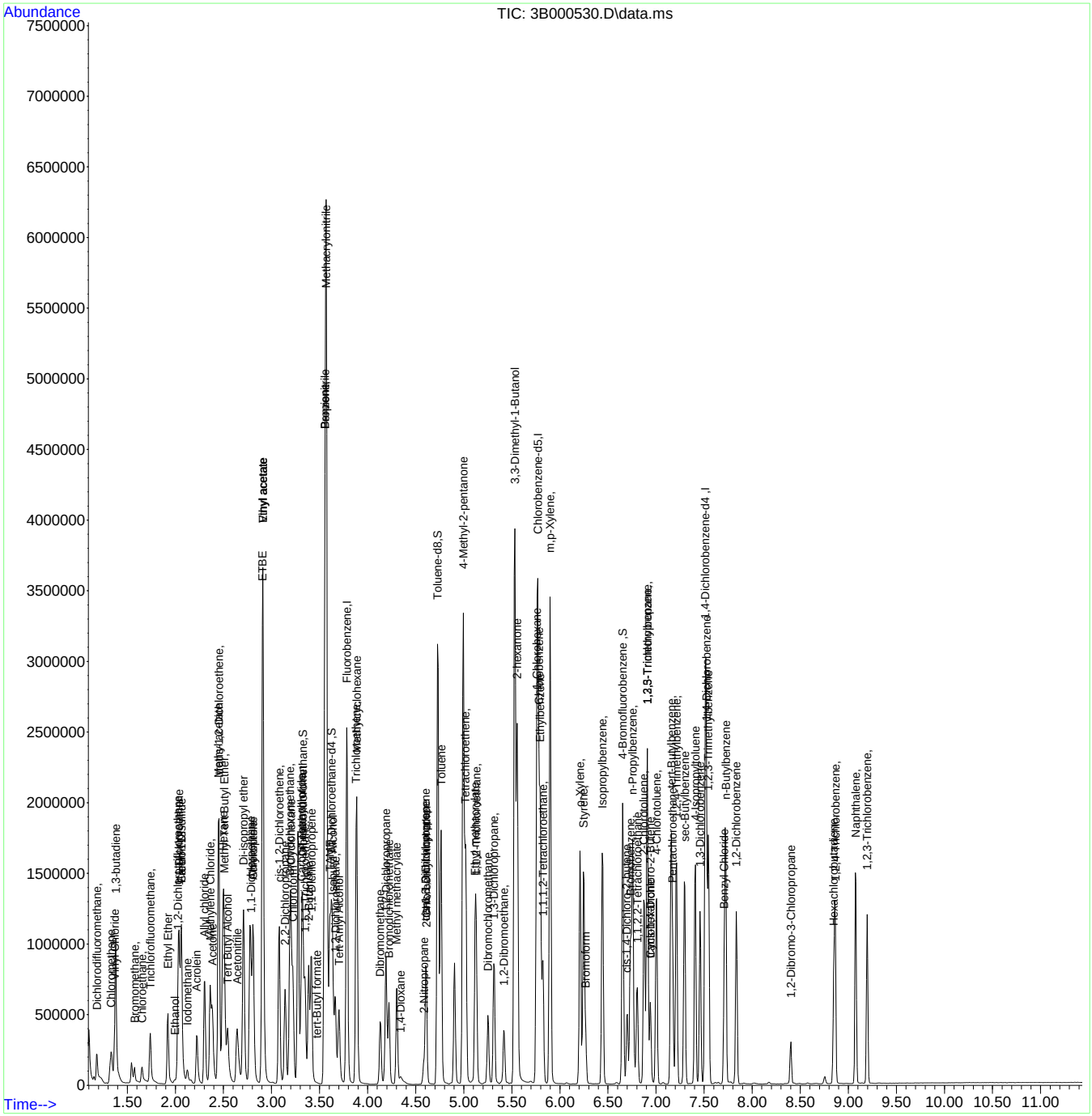
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
98)	1,2,4-Trimethylbenzene	7.214	105	710175	23.90	ug/L		99
99)	Pentachloroethane	7.172	167	119991	33.89	ug/L		95
100)	sec-Butylbenzene	7.300	105	826326	22.98	ug/L		98
101)	4-Isopropyltoluene	7.409	119	693012	23.09	ug/L		98
102)	1,3-Dichlorobenzene	7.458	146	369297	23.48	ug/L		99
103)	1,2,3-Trimethylbenzene	7.543	105	712325	23.40	ug/L		100
104)	1,4-Dichlorobenzene	7.525	146	376854	23.88	ug/L		97
105)	n-Butylbenzene	7.726	92	411376	25.03	ug/L		87
106)	Benzyl Chloride	7.708	126	84056	20.84	ug/L	#	93
107)	1,2-Dichlorobenzene	7.836	146	355069	23.62	ug/L		99
108)	1,2-Dibromo-3-Chloropr...	8.403	75	52711	28.23	ug/L		91
109)	Hexachlorobutadiene	8.848	225	87823	23.10	ug/L		96
110)	1,2,4-Trichlorobenzene	8.866	180	246074	24.77	ug/L		97
111)	Naphthalene	9.080	128	790983	25.86	ug/L		99
112)	1,2,3-Trichlorobenzene	9.196	180	239060	24.72	ug/L		99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MassHunter\GCMS\1\data\100824\
Data File : 3B000530.D
Acq On : 08 Oct 2024 07:27 pm
Operator : neilc1
Sample : fc19293-2ms Inst : MSVOA22-3B
Misc : ms57662,V3B23,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 09 06:00:32 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Oct 09 05:14:10 2024
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: FC19293-2MS
Lab FileID: 3B000530.D
Injection Time: 10/08/24 19:27

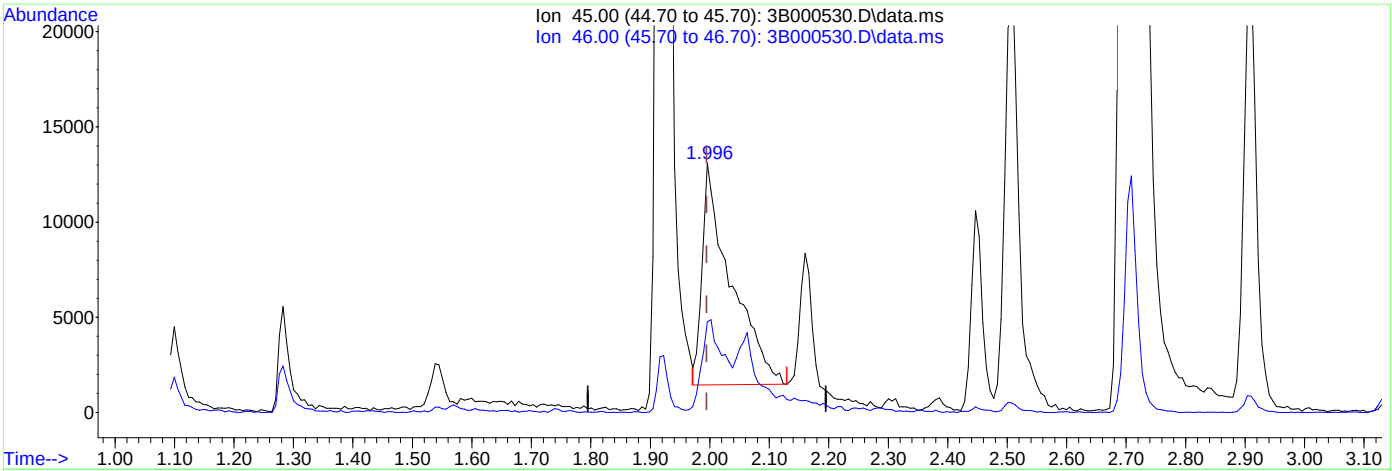
Method: SW846 8260D
Analyst approved: 10/09/24 07:05 Neil Christiana
Supervisor approved: 10/09/24 07:23 Karen Watson

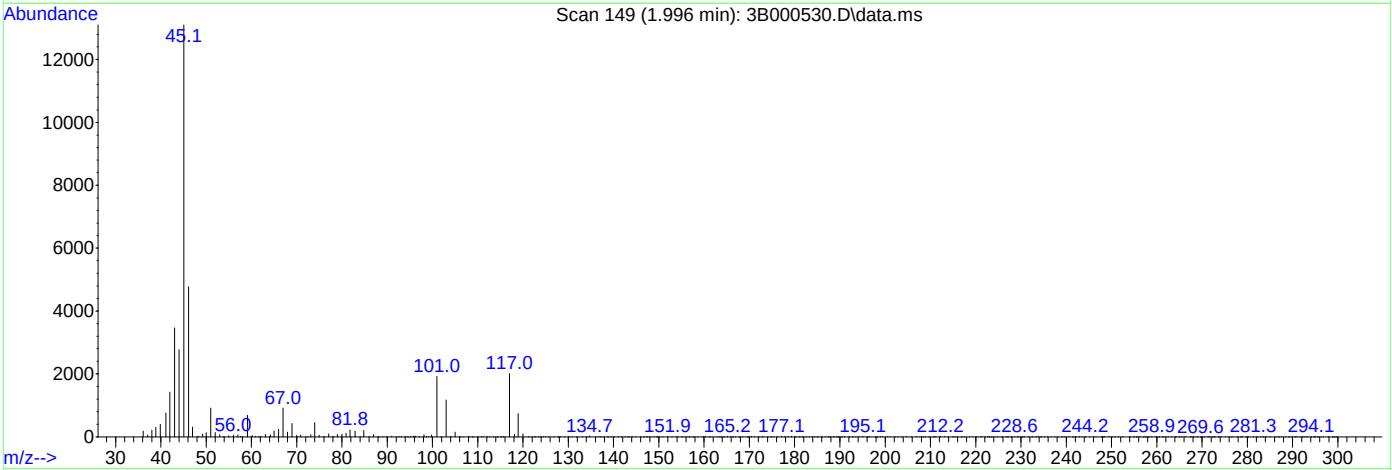
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.31	Overlapping peak
Isobutyl Alcohol	78-83-1		3.64	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-09-2024\v3b23\
Data File : 3B000530.D
Acq On : 08 Oct 2024 07:27 pm
Operator : neilc1
Sample : fc19293-2ms Inst : MSVOA22-3B
Misc : ms57662,V3B23,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 09 01:11:24 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-09-2024\v3b23\method\v3b_8260_092424.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 17 06:18:45 2024
Response via : Initial Calibration





TIC: 3B000530.D\data.ms

(8) Ethanol

1.996min (+0.001) 361.92ug/L

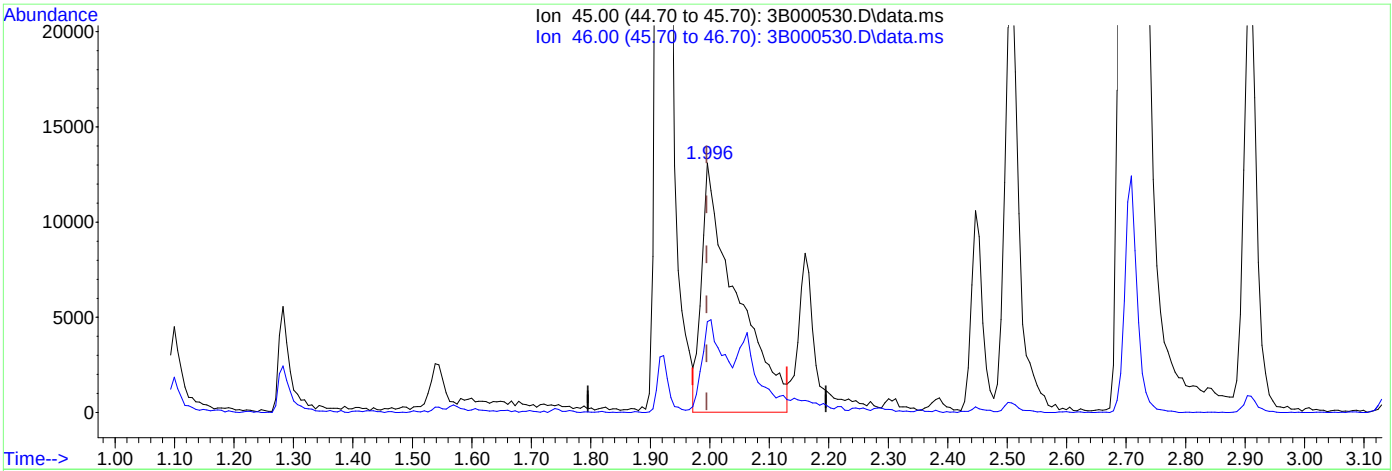
response 39020

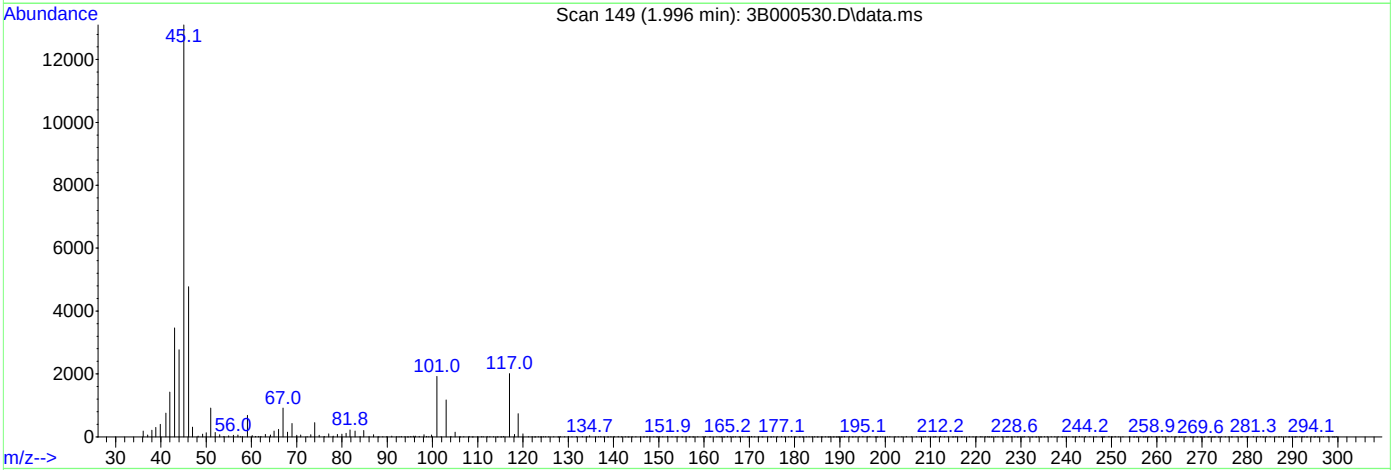
Ion	Exp%	Act%
45.00	100	100
46.00	34.10	30.97
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-09-2024\v3b23\
Data File : 3B000530.D
Acq On : 08 Oct 2024 07:27 pm
Operator : neilc1
Sample : fc19293-2ms Inst : MSVOA22-3B
Misc : ms57662,V3B23,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 09 01:11:24 2024
Quant Method : X:\Orlando VOA\jhenelleb\2024\Oct 2024\10-09-2024\v3b23\method\v3b_8260_092424.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 17 06:18:45 2024
Response via : Initial Calibration





TIC: 3B000530.D\data.ms

(8) Ethanol

1.996min (+0.001) 490.50ug/L m

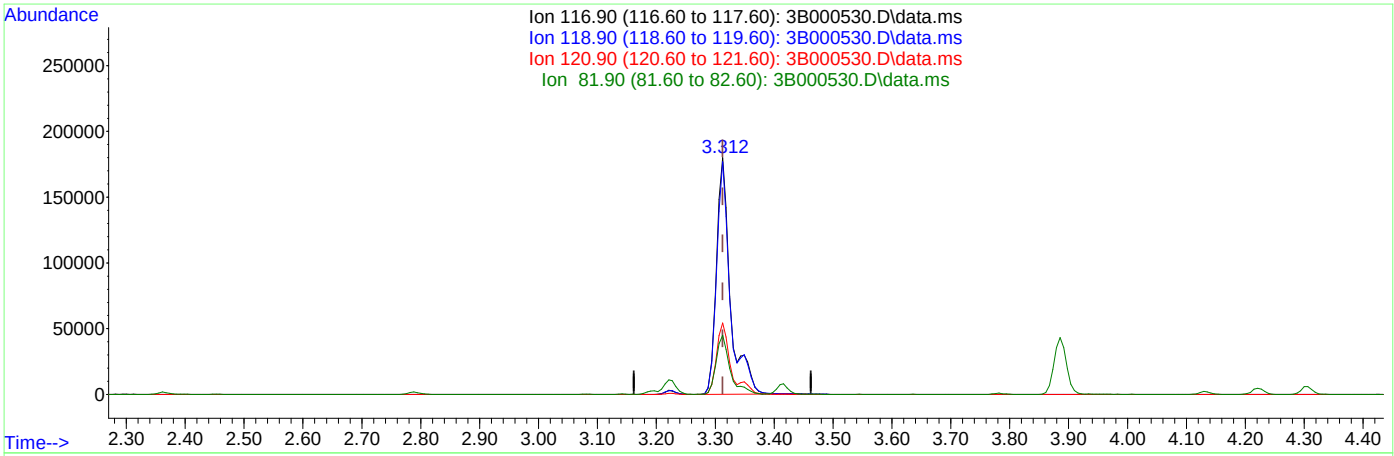
response 52804

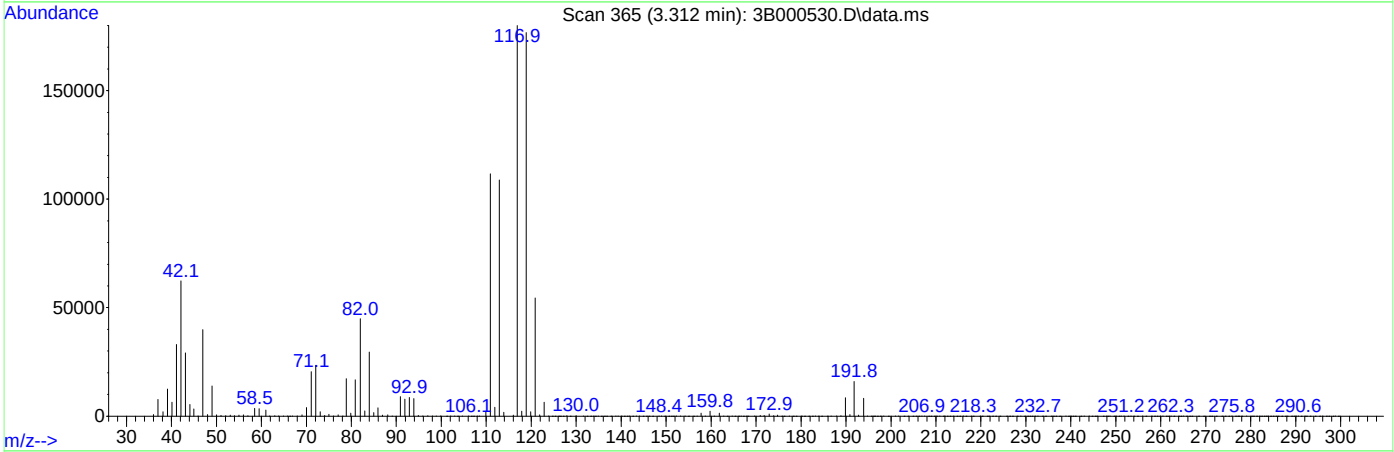
Ion	Exp%	Act%
45.00	100	100
46.00	34.10	22.89
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\100824\
Data File : 3B000530.D
Acq On : 08 Oct 2024 07:27 pm
Operator : neilc1
Sample : fc19293-2ms Inst : MSVOA22-3B
Misc : ms57662,V3B23,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 09 06:00:32 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Oct 09 05:14:10 2024
Response via : Initial Calibration





TIC: 3B000530.D\data.ms

(40) Carbon Tetrachloride ( )

3.312min (+0.000) 30.24ug/L

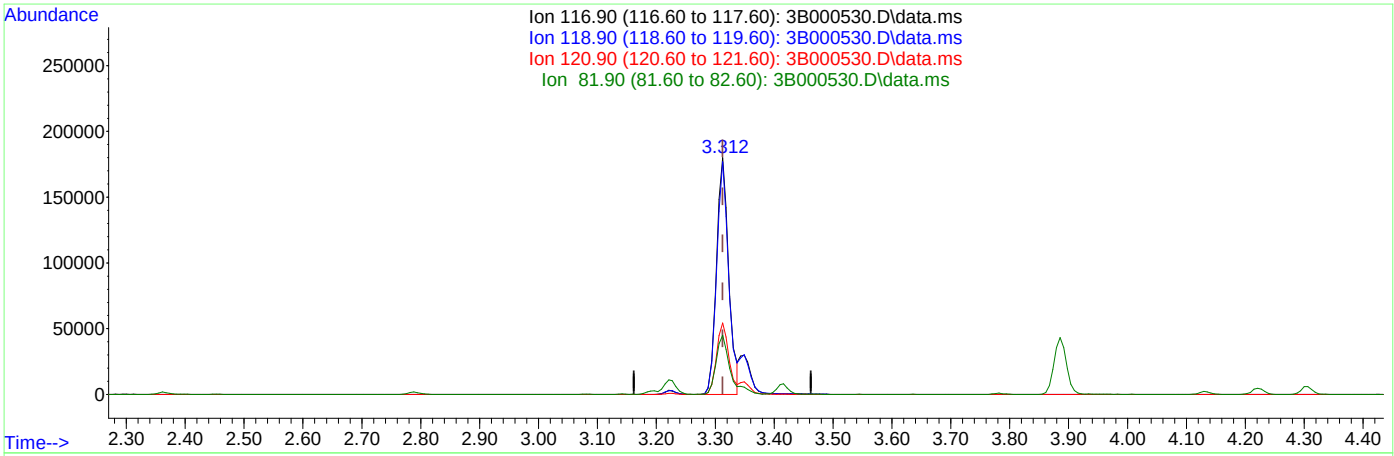
response 299921

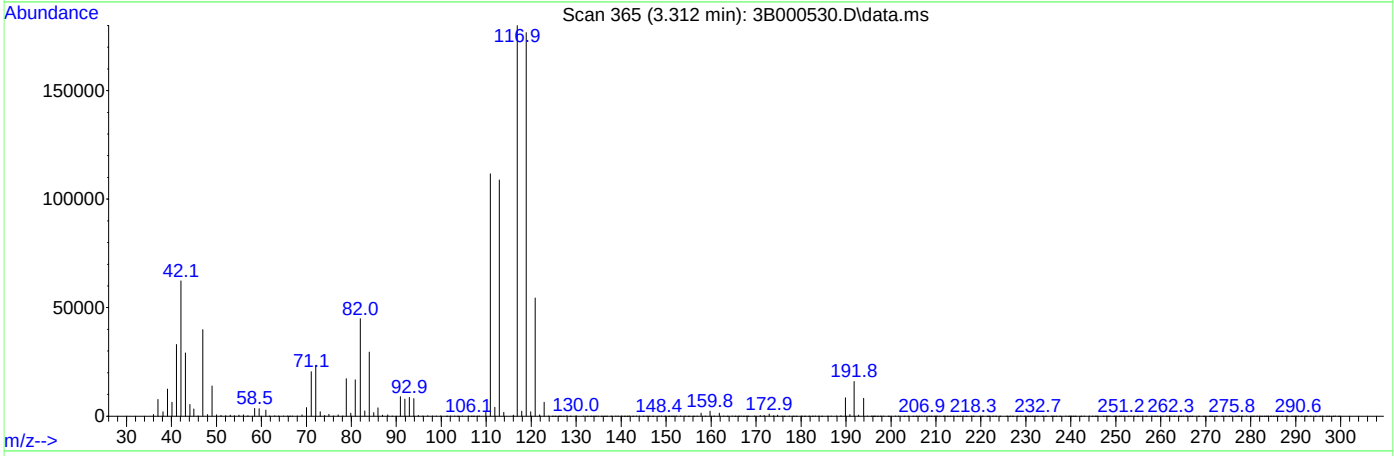
Ion	Exp%	Act%
116.90	100	100
118.90	97.60	98.18
120.90	30.80	30.21
81.90	24.50	24.85

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\100824\
Data File : 3B000530.D
Acq On : 08 Oct 2024 07:27 pm
Operator : neilc1
Sample : fc19293-2ms Inst : MSVOA22-3B
Misc : ms57662,V3B23,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 09 06:00:32 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Oct 09 05:14:10 2024
Response via : Initial Calibration





TIC: 3B000530.D\data.ms

(40) Carbon Tetrachloride ( )

3.312min (+0.000) 26.27ug/L m

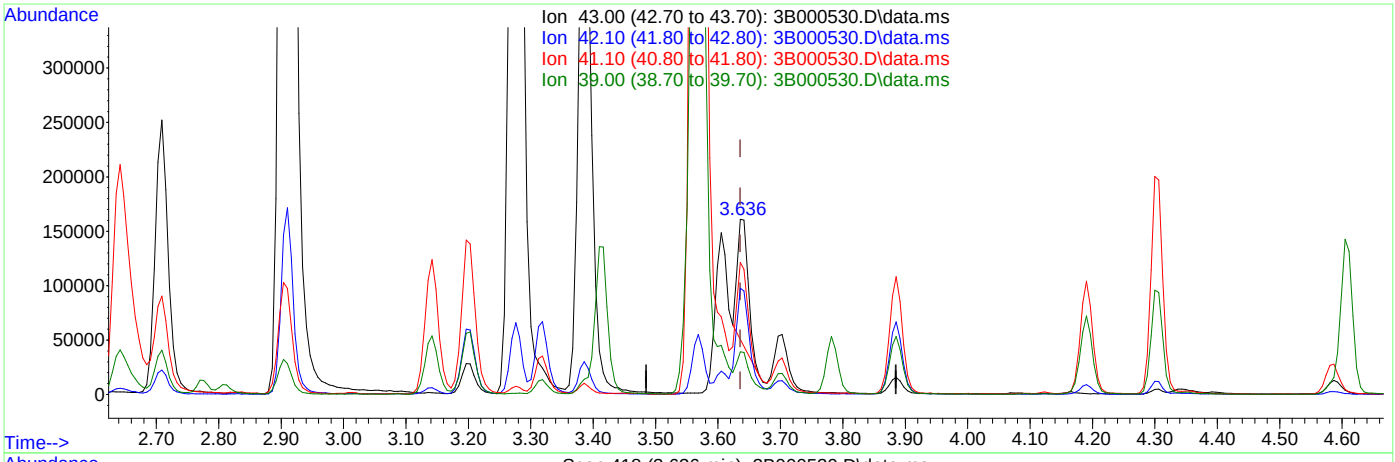
response 260564

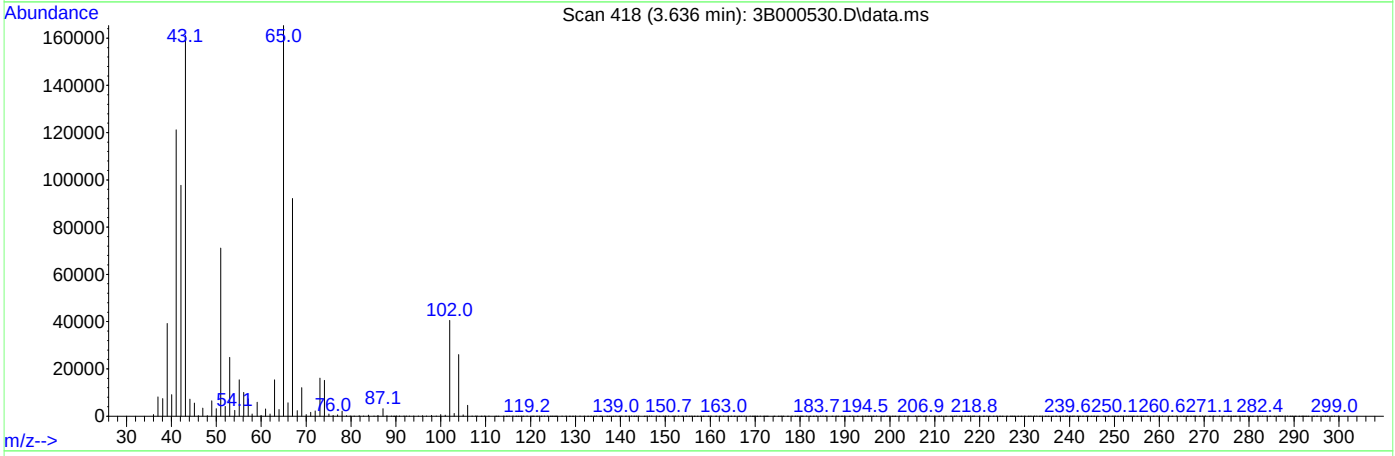
Ion	Exp%	Act%
116.90	100	100
118.90	97.60	98.19
120.90	30.80	30.21
81.90	24.50	24.93

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\100824\
Data File : 3B000530.D
Acq On : 08 Oct 2024 07:27 pm
Operator : neilc1
Sample : fc19293-2ms Inst : MSVOA22-3B
Misc : ms57662,V3B23,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 09 06:00:32 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Oct 09 05:14:10 2024
Response via : Initial Calibration





TIC: 3B000530.D\data.ms

(51) Isobutyl Alcohol

3.636min (+0.000) 442.32ug/L

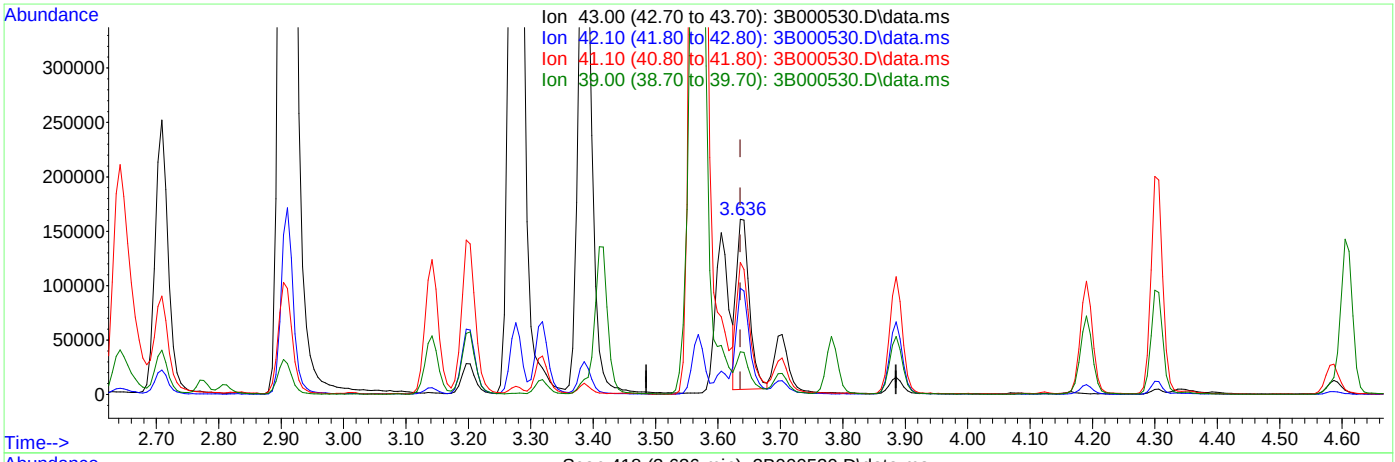
response 130490

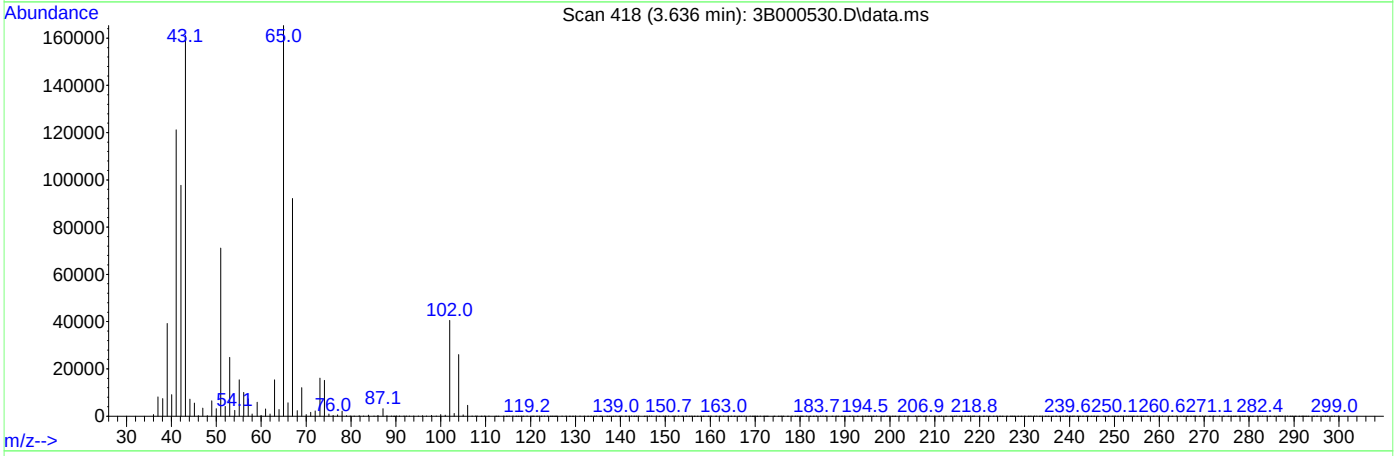
Ion	Exp%	Act%
43.00	100	100
42.10	58.30	60.97
41.10	72.80	72.58
39.00	24.70	22.41

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\100824\
Data File : 3B000530.D
Acq On : 08 Oct 2024 07:27 pm
Operator : neilc1
Sample : fc19293-2ms Inst : MSVOA22-3B
Misc : ms57662,V3B23,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 09 06:00:32 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Oct 09 05:14:10 2024
Response via : Initial Calibration





TIC: 3B000530.D\data.ms

(51) Isobutyl Alcohol

3.636min (+0.000) 742.21ug/L m

response 225698

Ion	Exp%	Act%
43.00	100	100
42.10	58.30	60.71
41.10	72.80	75.27
39.00	24.70	24.38

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
10/09/24 07:23

Quantitation Report (QT Reviewed)

Data Path : C:\MassHunter\GCMS\1\data\100824\
Data File : 3B000531.D
Acq On : 08 Oct 2024 07:52 pm
Operator : neilc1
Sample : fc19293-2msd Inst : MSVOA22-3B
Misc : ms57662,V3B23,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 09 06:00:35 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Oct 09 05:14:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.782	96	1628991	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.769	117	1049713	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.513	152	509330	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.325	113	370414	50.75	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.50%			
49) 1,2-Dichloroethane-d4	3.623	65	452816	50.52	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 101.04%			
63) Toluene-d8	4.727	98	1521640	48.40	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 96.80%			
86) 4-Bromofluorobenzene	6.653	174	399895	50.93	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.86%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.179	85	204722	20.04	ug/L	99
3) Chloromethane	1.331	50	248711	25.05	ug/L	100
4) 1,3-butadiene	1.380	39	271861	32.84	ug/L	97
5) Vinyl Chloride	1.368	62	263939	27.72	ug/L	99
6) Bromomethane	1.575	94	53692	25.66	ug/L	96
7) Chloroethane	1.654	64	100587	29.07	ug/L	98
8) Trichlorofluoromethane	1.740	101	225122	28.54	ug/L	98
9) Ethyl Ether	1.916	59	214868	26.55	ug/L	96
10) Ethanol	1.996	45	43368m	848.62	ug/L	
11) 1,2-Dichlorotrifluoroe...	2.026	67	252709	25.86	ug/L	98
12) 1,1-Dichloroethene	2.038	61	354929	26.97	ug/L	100
13) Freon 113	2.057	101	194005	25.06	ug/L	95
14) Carbon Disulfide	2.063	76	542615	23.59	ug/L	99
15) Iodomethane	2.124	142	123326	25.98	ug/L	96
16) Acrolein	2.221	56	219710	142.95	ug/L	99
17) Allyl chloride	2.300	41	371913	26.48	ug/L	96
18) Methylene Chloride	2.361	49	323826	26.99	ug/L	99
19) Acetone	2.380	43	359906	131.06	ug/L	97
20) Methyl acetate	2.447	43	1011080	123.45	ug/L	99
21) trans-1,2-Dichloroethene	2.453	61	352214	27.92	ug/L	99
22) Hexane	2.495	56	238563	27.07	ug/L	94
23) Methyl Tert Butyl Ether	2.508	73	661385	25.53	ug/L	99
24) Acetonitrile	2.642	41	315832	286.86	ug/L	99
25) Tert Butyl Alcohol	2.538	59	288501	243.35	ug/L	97
26) Di-isopropyl ether	2.709	45	840726	26.48	ug/L	98
27) Chloroprene	2.806	53	589573	27.23	ug/L	99
28) 1,1-Dichloroethane	2.788	63	437072	26.81	ug/L	99
29) Acrylonitrile	2.806	52	372947	127.00	ug/L	99
30) ETBE	2.904	59	770282	26.03	ug/L	99
31) Vinyl acetate	2.910	43	2905912	140.12	ug/L	98
32) cis-1,2-Dichloroethene	3.081	96	391737	44.21	ug/L	98
33) 2,2-Dichloropropane	3.142	77	305839	24.13	ug/L	100
34) Bromochloromethane	3.191	128	94527	23.87	ug/L	91
35) Cyclohexane	3.197	56	444895	25.76	ug/L	96
36) Chloroform	3.221	83	397366	26.13	ug/L	99
37) Ethyl acetate	2.910	43	2922568	140.27	ug/L	100
38) Tetrahydrofuran	3.312	42	87743	24.65	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : C:\MassHunter\GCMS\1\data\100824\
Data File : 3B000531.D
Acq On : 08 Oct 2024 07:52 pm
Operator : neilc1
Sample : fc19293-2msd Inst : MSVOA22-3B
Misc : ms57662,V3B23,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 09 06:00:35 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Oct 09 05:14:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
40) Carbon Tetrachloride	3.312	117	277252m	27.23	ug/L		
41) 1,1,1-Trichloroethane	3.349	97	337517	26.56	ug/L		99
42) 2-Butanone	3.386	43	661151	134.78	ug/L		100
43) 1,1-Dichloropropene	3.410	75	336022	31.32	ug/L		97
44) tert-Butyl formate	3.465	59	1093	0.14	ug/L	#	77
45) Propionitrile	3.556	54	454072	306.48	ug/L		93
46) Methacrylonitrile	3.568	41	1979667	301.52	ug/L		97
47) Benzene	3.550	78	990602	28.75	ug/L		97
48) TAME	3.605	73	610224	24.74	ug/L		99
50) 1,2-Dichloroethane	3.666	62	306686	25.93	ug/L		98
51) Isobutyl Alcohol	3.636	43	176396m	574.64	ug/L		
52) Tert Amyl Alcohol	3.696	59	181377	270.43	ug/L		95
53) Trichloroethene	3.879	95	245332	28.49	ug/L		98
54) Methylcyclohexane	3.885	83	389722	26.55	ug/L		99
55) Dibromomethane	4.129	93	131115	25.96	ug/L		99
56) 1,2-Dichloropropane	4.190	63	271050	28.58	ug/L		97
57) Bromodichloromethane	4.221	83	279817	26.18	ug/L		99
58) Methyl methacrylate	4.300	41	245786	28.63	ug/L		97
59) 1,4-Dioxane	4.343	88	38601	591.31	ug/L		93
60) 2-Chloroethyl vinyl ether	4.605	63	2118	0.34	ug/L	#	1
61) cis-1,3-Dichloropropene	4.605	75	372786	26.81	ug/L		97
64) Toluene	4.763	91	951483	26.44	ug/L		100
65) 2-Nitropropane	4.580	41	45790	161.62	ug/L	#	1
66) 4-Methyl-2-pentanone	4.995	43	1492116	143.82	ug/L		99
67) trans-1,3-Dichloropropene	4.605	75	372786	26.02	ug/L		98
68) Tetrachloroethene	5.013	166	222081	24.45	ug/L		99
69) Ethyl methacrylate	5.117	69	304045	30.20	ug/L		97
70) 1,1,2-Trichloroethane	5.129	83	185599	28.11	ug/L		98
71) Dibromochloromethane	5.251	129	199028	27.43	ug/L		99
72) 1,3-Dichloropropane	5.312	76	396041	27.72	ug/L		98
73) 1,2-Dibromoethane	5.416	107	212622	26.70	ug/L		99
74) 3,3-Dimethyl-1-Butanol	5.532	57	1481039	1629.89	ug/L		98
75) 2-hexanone	5.556	43	1254788	147.21	ug/L		99
76) 1-Chlorohexane	5.757	91	206283	17.01	ug/L		98
77) Ethylbenzene	5.794	91	886267	22.57	ug/L		99
78) Chlorobenzene	5.781	112	573722	26.38	ug/L		99
79) 1,1,1,2-Tetrachloroethane	5.824	131	196443	27.67	ug/L		100
80) m,p-Xylene	5.897	91	1533253	50.89	ug/L		99
81) o-Xylene	6.208	91	756135	24.70	ug/L		99
82) Styrene	6.245	104	598429	25.58	ug/L		99
83) Bromoform	6.269	173	118341	25.14	ug/L		99
84) Isopropylbenzene	6.440	105	910920	25.34	ug/L		99
87) cis-1,4-Dichloro-2-butene	6.702	53	89431	25.31	ug/L		94
88) n-Propylbenzene	6.757	91	1079171	25.82	ug/L		98
89) Bromobenzene	6.739	156	210114	25.47	ug/L		91
90) 1,1,2,2-Tetrachloroethane	6.806	83	274326	28.26	ug/L		98
91) 1,3,5-Trimethylbenzene	6.909	105	746352	25.34	ug/L		99
92) 2-Chlorotoluene	6.873	91	698948	25.00	ug/L		99
93) trans-1,4-Dichloro-2-B...	6.940	53	65463	23.56	ug/L		96
94) 1,2,3-Trichloropropane	6.909	110	83807	26.49	ug/L		96
95) Cyclohexanone	6.940	55	40031	140.94	ug/L		95
96) 4-Chlorotoluene	7.007	91	660249	24.90	ug/L		98
97) tert-Butylbenzene	7.159	91	409943	24.73	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\MassHunter\GCMS\1\data\100824\
Data File : 3B000531.D
Acq On : 08 Oct 2024 07:52 pm
Operator : neilc1
Sample : fc19293-2msd Inst : MSVOA22-3B
Misc : ms57662,V3B23,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 09 06:00:35 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Oct 09 05:14:10 2024
Response via : Initial Calibration

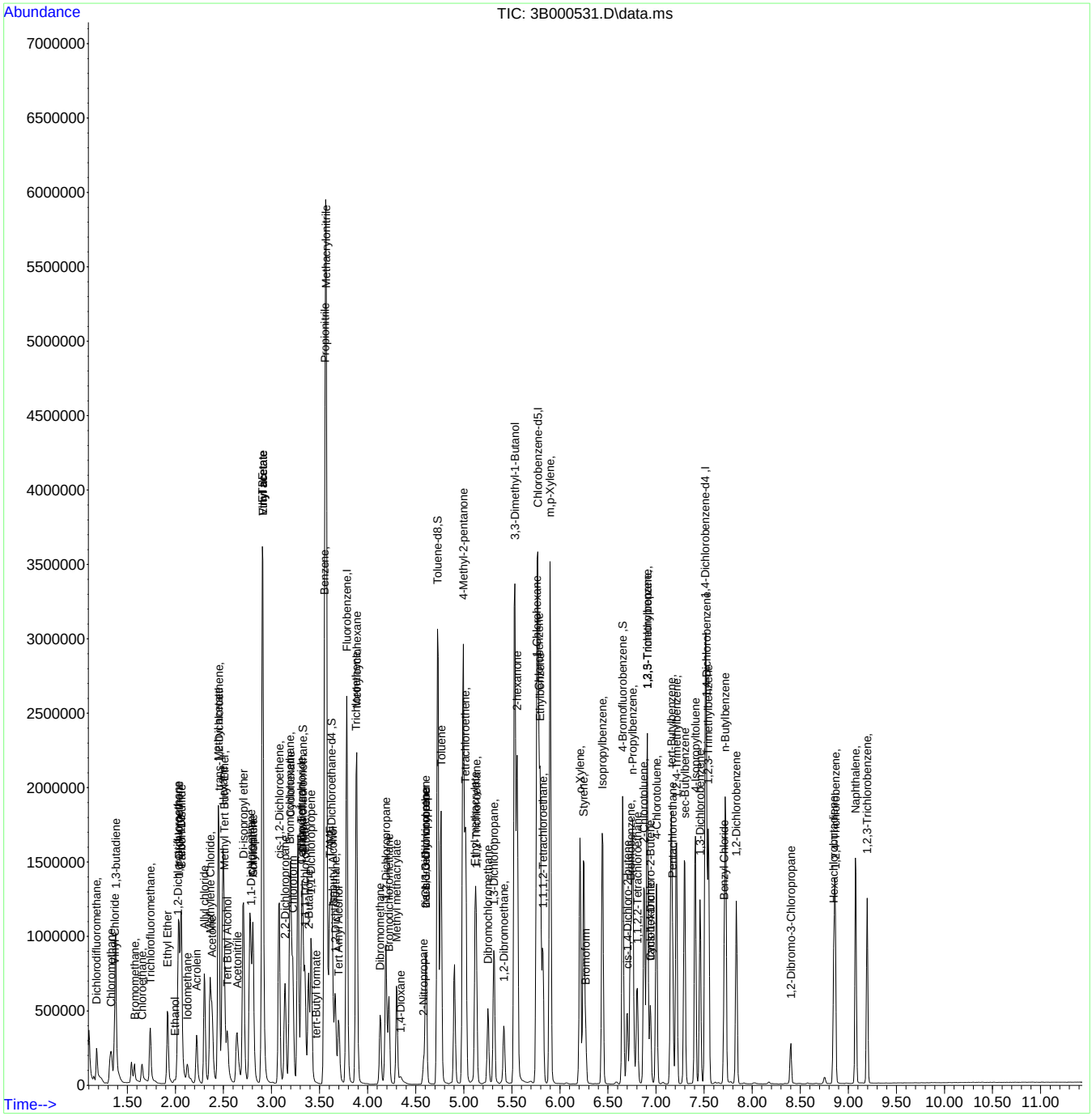
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
98)	1,2,4-Trimethylbenzene	7.214	105	737380	25.23	ug/L		99
99)	Pentachloroethane	7.171	167	116052	33.33	ug/L		96
100)	sec-Butylbenzene	7.300	105	878464	24.84	ug/L		97
101)	4-Isopropyltoluene	7.409	119	738906	25.03	ug/L		98
102)	1,3-Dichlorobenzene	7.458	146	375486	24.28	ug/L		99
103)	1,2,3-Trimethylbenzene	7.543	105	724882	24.21	ug/L		100
104)	1,4-Dichlorobenzene	7.525	146	383931	24.74	ug/L		98
105)	n-Butylbenzene	7.720	92	438522	27.13	ug/L		99
106)	Benzyl Chloride	7.708	126	78042	19.68	ug/L	#	89
107)	1,2-Dichlorobenzene	7.836	146	359770	24.34	ug/L		99
108)	1,2-Dibromo-3-Chloropr...	8.403	75	47440	25.83	ug/L		87
109)	Hexachlorobutadiene	8.848	225	99244	26.54	ug/L		99
110)	1,2,4-Trichlorobenzene	8.866	180	258954	26.51	ug/L		96
111)	Naphthalene	9.074	128	787280	26.17	ug/L		99
112)	1,2,3-Trichlorobenzene	9.195	180	251337	26.43	ug/L		99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MassHunter\GCMS\1\data\100824\
Data File : 3B000531.D
Acq On : 08 Oct 2024 07:52 pm
Operator : neilc1
Sample : fc19293-2msd Inst : MSVOA22-3B
Misc : ms57662,V3B23,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 09 06:00:35 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Oct 09 05:14:10 2024
Response via : Initial Calibration



Manual Integration Approval Summary

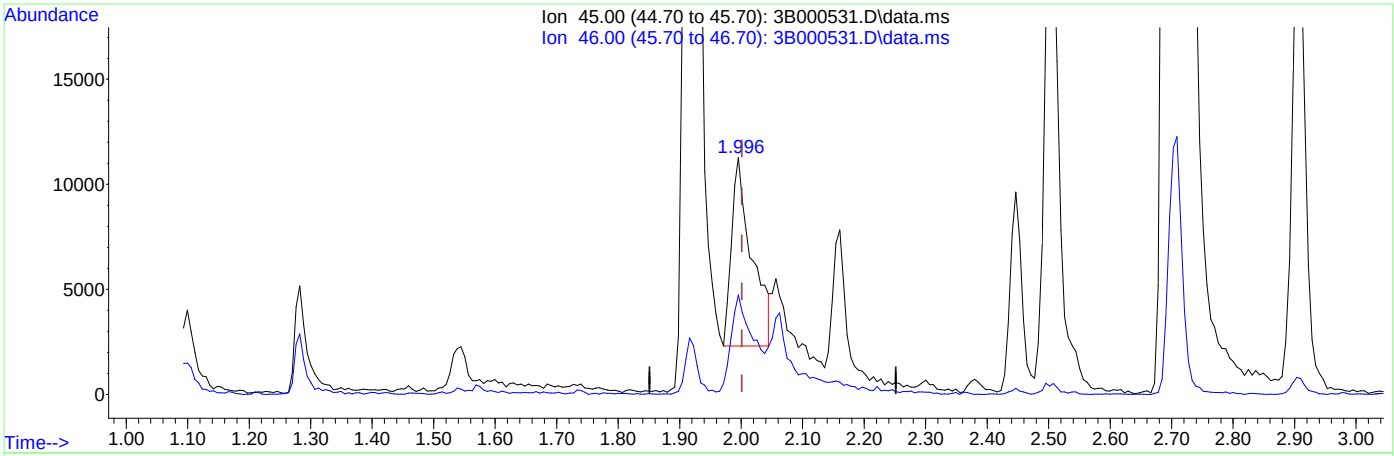
Sample Number: FC19293-2MSD
Lab FileID: 3B000531.D
Injection Time: 10/08/24 19:52
Method: SW846 8260D
Analyst approved: 10/09/24 07:05 Neil Christiana
Supervisor approved: 10/09/24 07:23 Karen Watson

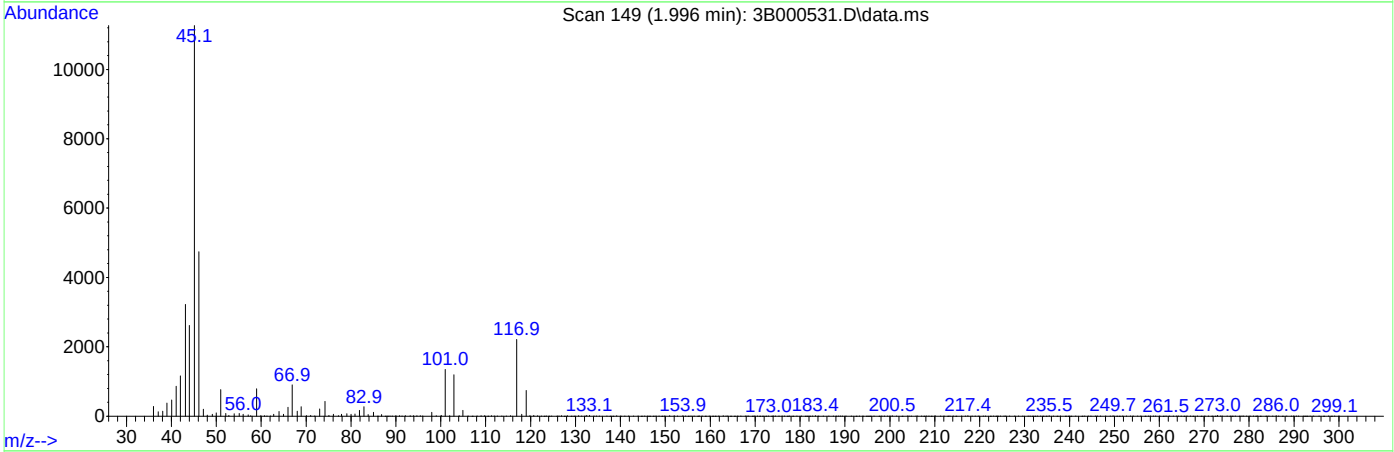
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		2.00	Poorly defined baseline
Carbon Tetrachloride	56-23-5		3.31	Overlapping peak
Isobutyl Alcohol	78-83-1		3.64	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\100824\
Data File : 3B000531.D
Acq On : 08 Oct 2024 07:52 pm
Operator : neilc1
Sample : fc19293-2msd Inst : MSVOA22-3B
Misc : ms57662,V3B23,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 09 06:00:35 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Oct 09 05:14:10 2024
Response via : Initial Calibration





TIC: 3B000531.D\data.ms

(10) Ethanol

1.996min (-0.006) 352.91ug/L

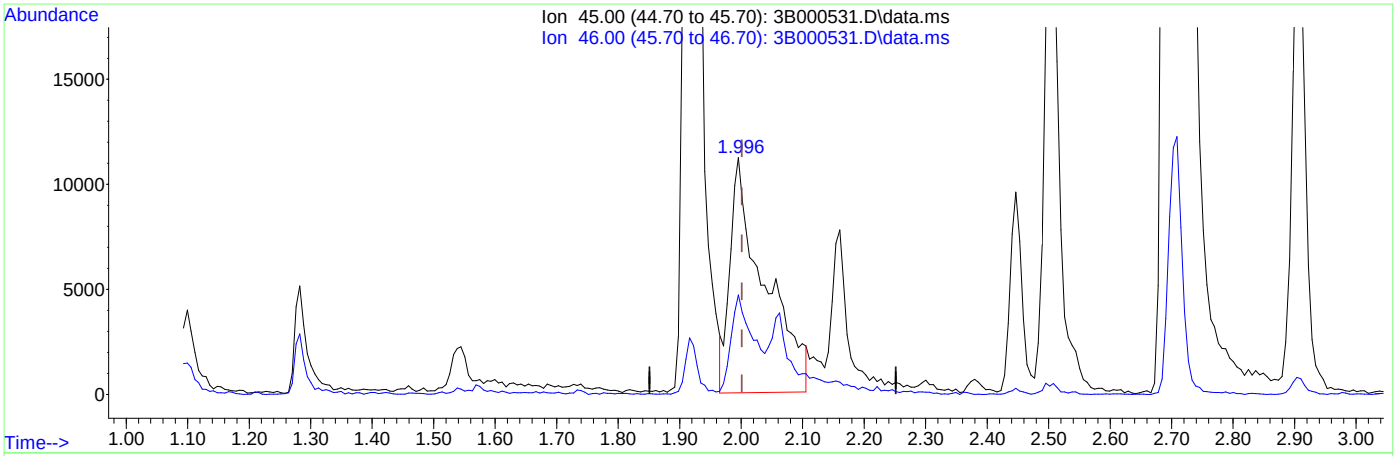
response 20481

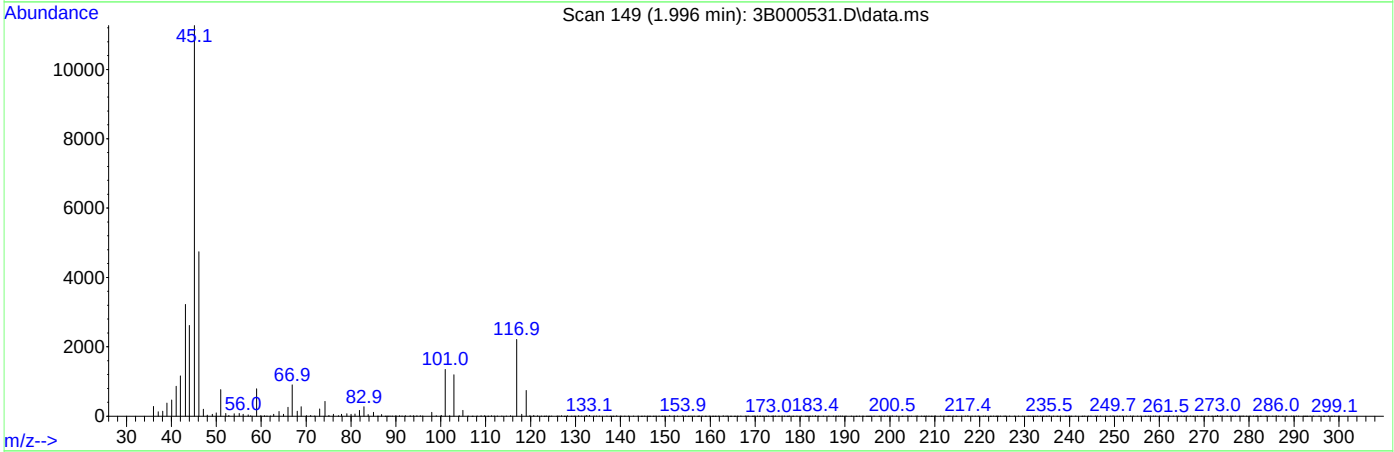
Ion	Exp%	Act%
45.00	100	100
46.00	38.00	47.11
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\100824\
Data File : 3B000531.D
Acq On : 08 Oct 2024 07:52 pm
Operator : neilc1
Sample : fc19293-2msd Inst : MSVOA22-3B
Misc : ms57662,V3B23,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 09 06:00:35 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Oct 09 05:14:10 2024
Response via : Initial Calibration





TIC: 3B000531.D\data.ms

(10) Ethanol

1.996min (-0.006) 848.62ug/L m

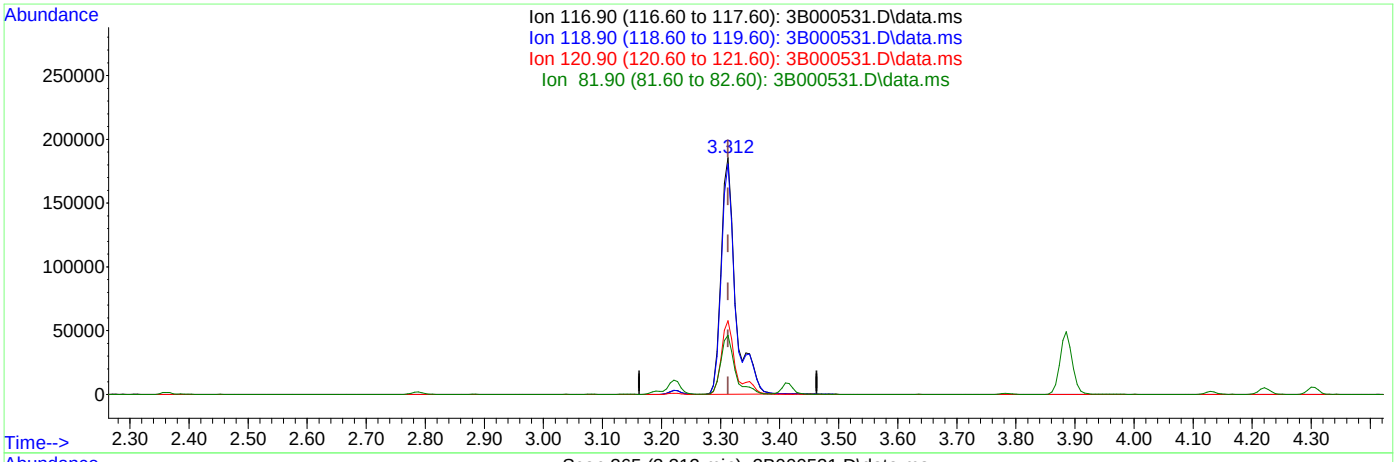
response 43368

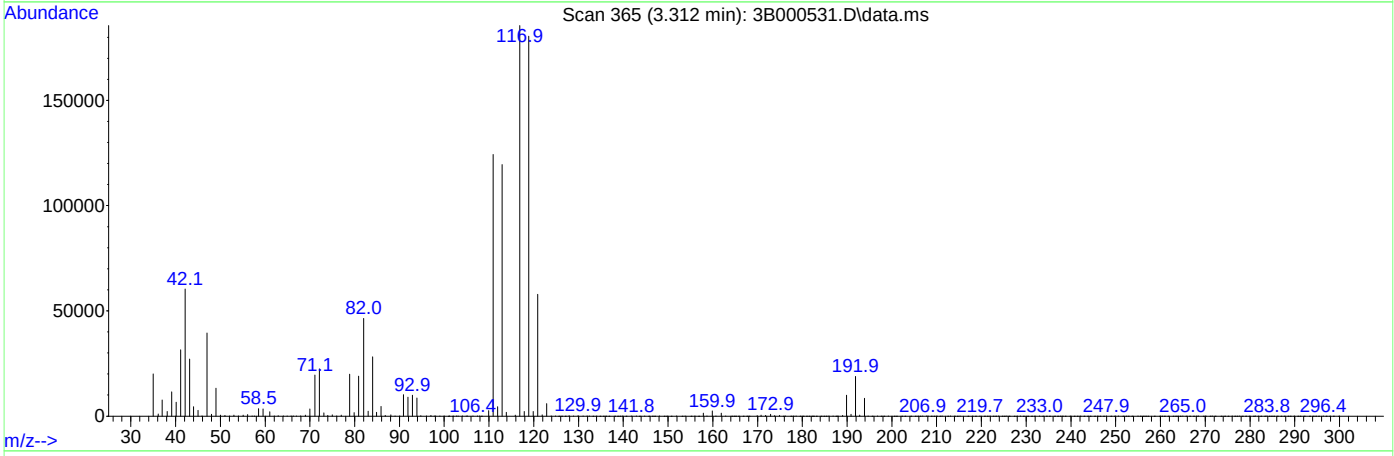
Ion	Exp%	Act%
45.00	100	100
46.00	38.00	42.08
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\100824\
Data File : 3B000531.D
Acq On : 08 Oct 2024 07:52 pm
Operator : neilc1
Sample : fc19293-2msd Inst : MSVOA22-3B
Misc : ms57662,V3B23,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 09 06:00:35 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Oct 09 05:14:10 2024
Response via : Initial Calibration





TIC: 3B000531.D\data.ms

(40) Carbon Tetrachloride ( )

3.312min (+0.000) 31.14ug/L

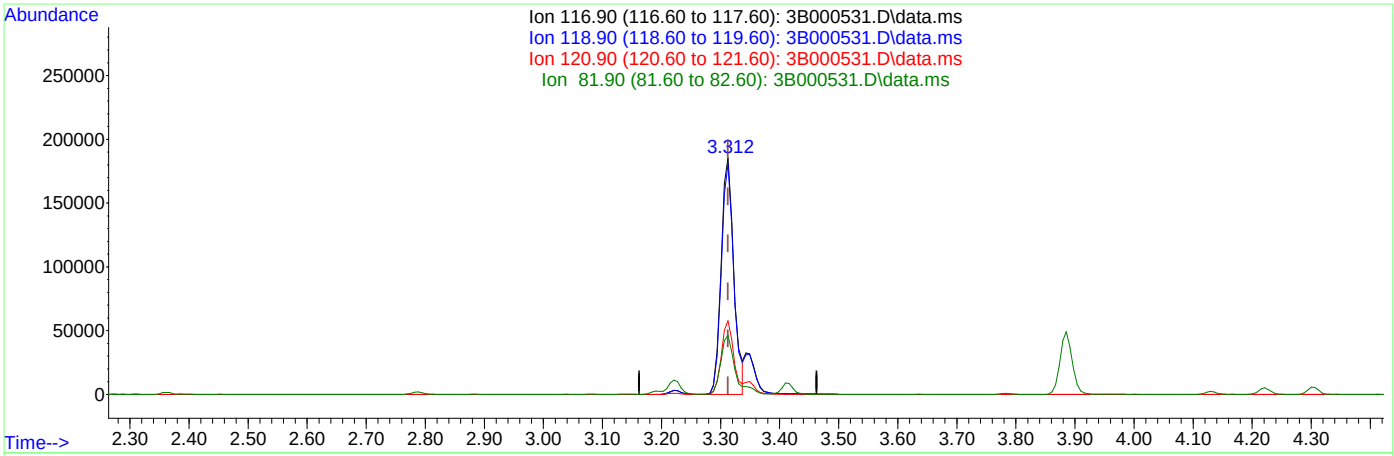
response 317017

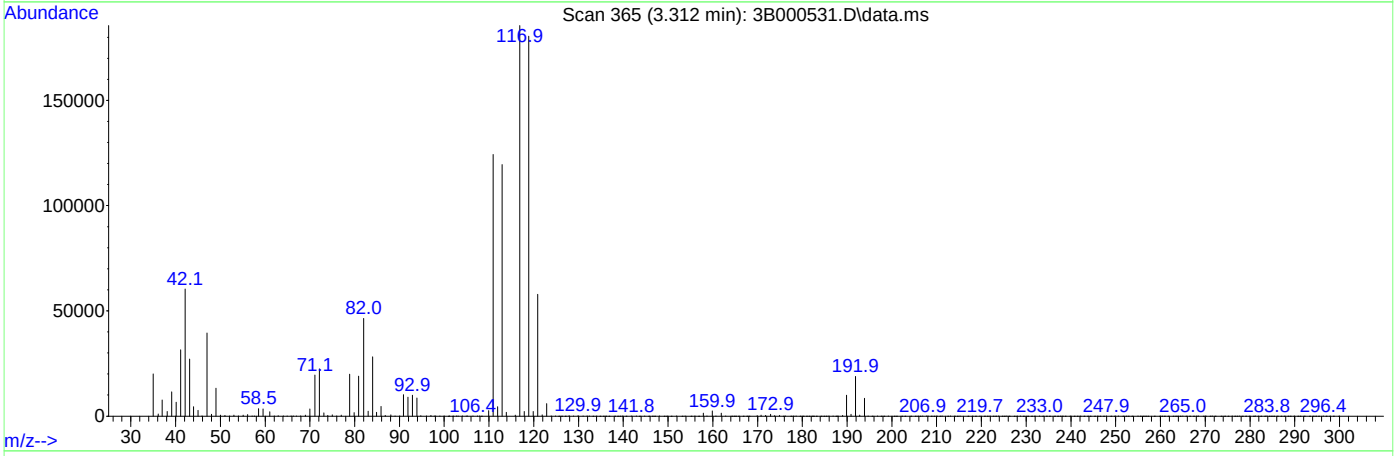
Ion	Exp%	Act%
116.90	100	100
118.90	97.60	97.29
120.90	30.80	31.14
81.90	24.50	24.89

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\100824\
Data File : 3B000531.D
Acq On : 08 Oct 2024 07:52 pm
Operator : neilc1
Sample : fc19293-2msd Inst : MSVOA22-3B
Misc : ms57662,V3B23,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 09 06:00:35 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Oct 09 05:14:10 2024
Response via : Initial Calibration





TIC: 3B000531.D\data.ms

(40) Carbon Tetrachloride ( )

3.312min (+0.000) 27.23ug/L m

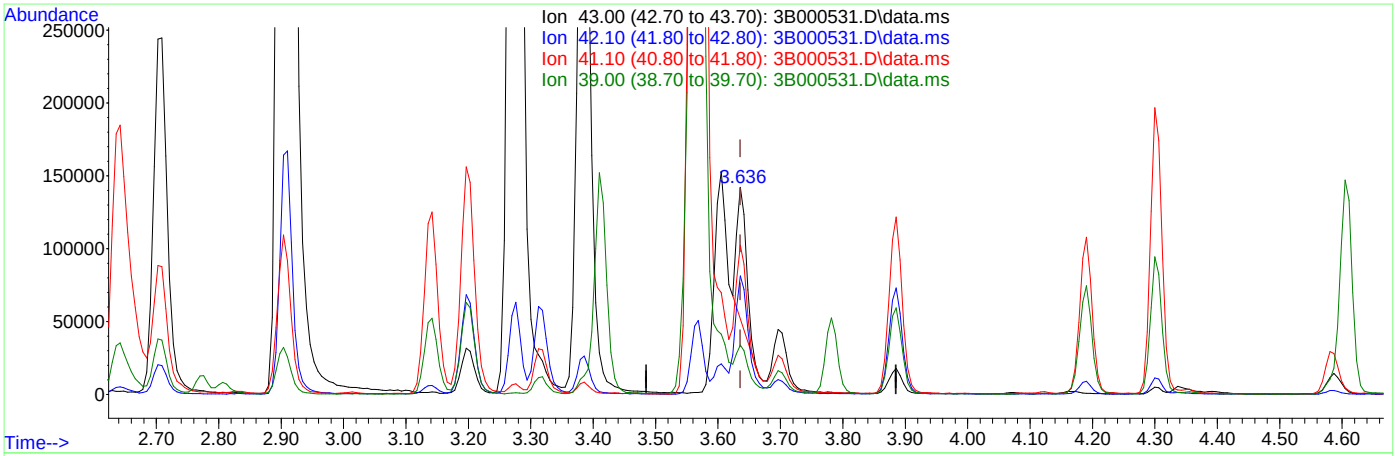
response 277252

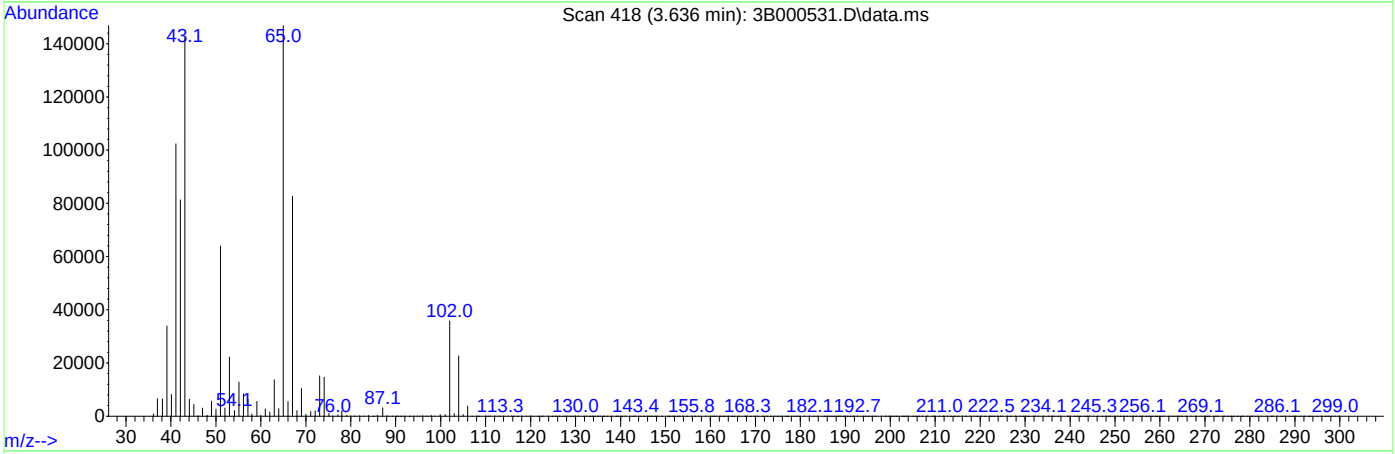
Ion	Exp%	Act%
116.90	100	100
118.90	97.60	97.28
120.90	30.80	31.15
81.90	24.50	24.97

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\100824\
Data File : 3B000531.D
Acq On : 08 Oct 2024 07:52 pm
Operator : neilc1
Sample : fc19293-2msd Inst : MSVOA22-3B
Misc : ms57662,V3B23,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 09 06:00:35 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Oct 09 05:14:10 2024
Response via : Initial Calibration





TIC: 3B000531.D\data.ms

(51) Isobutyl Alcohol

3.636min (+0.000) 292.73ug/L

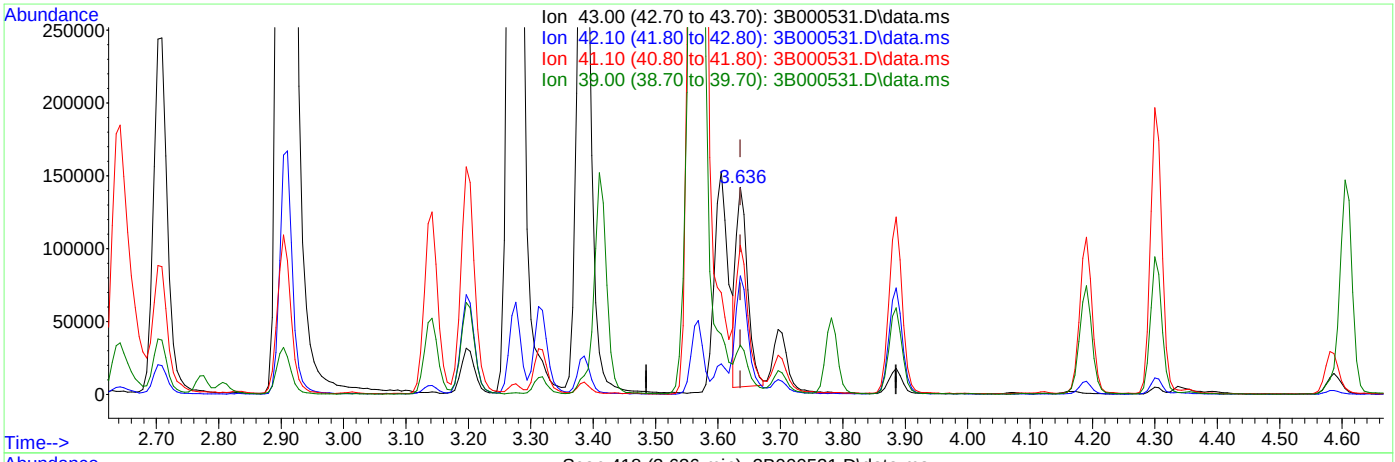
response 87293

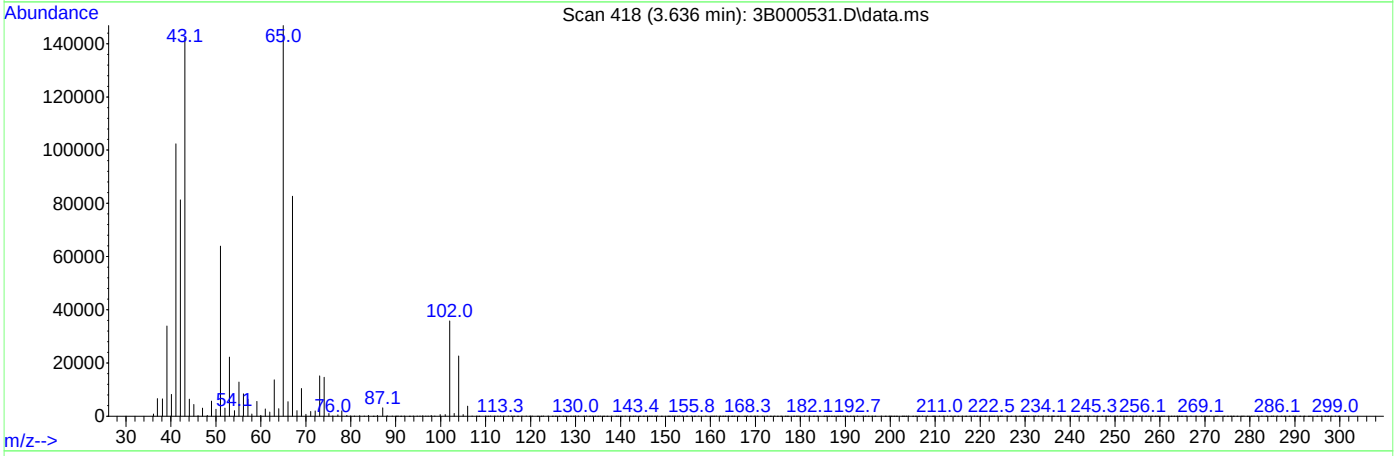
Ion	Exp%	Act%
43.00	100	100
42.10	58.30	56.64
41.10	72.80	69.15
39.00	24.70	22.19

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\100824\
Data File : 3B000531.D
Acq On : 08 Oct 2024 07:52 pm
Operator : neilc1
Sample : fc19293-2msd Inst : MSVOA22-3B
Misc : ms57662,V3B23,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 09 06:00:35 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Oct 09 05:14:10 2024
Response via : Initial Calibration





TIC: 3B000531.D\data.ms

(51) Isobutyl Alcohol

3.636min (+0.000) 574.64ug/L m

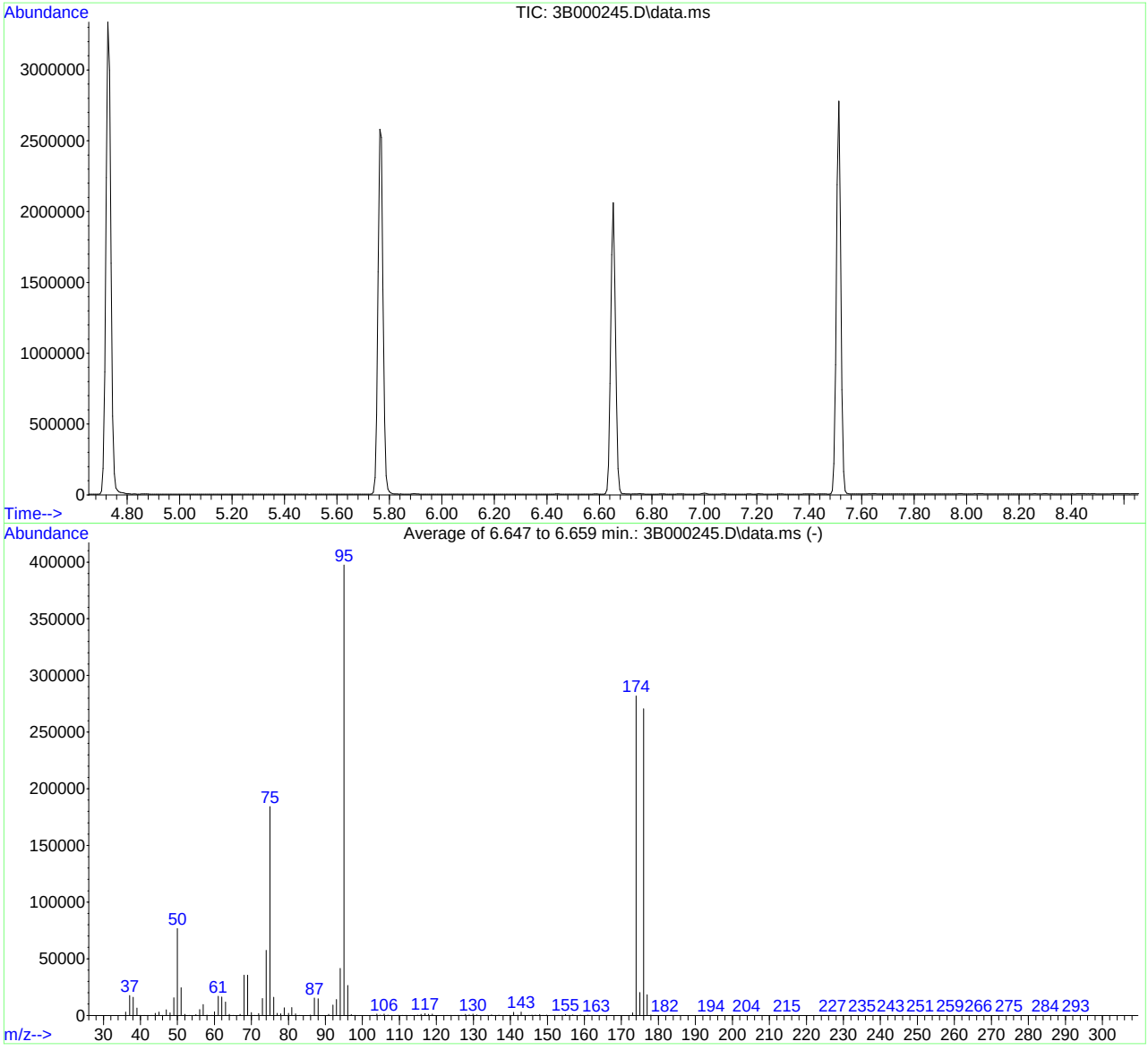
response 176396

Ion	Exp%	Act%
43.00	100	100
42.10	58.30	57.16
41.10	72.80	72.01
39.00	24.70	23.82

Methods: SW-846 8260D

```
Data File : C:\msdchem\1\data\tune xfer\3B000245.D       Vial: 1
Acq On    : 24 Sep 2024  11:28 am                    Operator: davidb2
Sample    : BFB                                      Inst    : MSVOA22-3B
Misc      : ms57534,V3B13,,,,,                       Multiplr: 1.00
MS Integration Params: med.p

Method    : C:\msdchem\1\met...A3037_09182024.M (RTE Integrator)
Title     : SW-846 Method 5030/8260D & EPA 624.1
```



AutoFind: Scans 912, 913, 914; Background Corrected with Scan 905

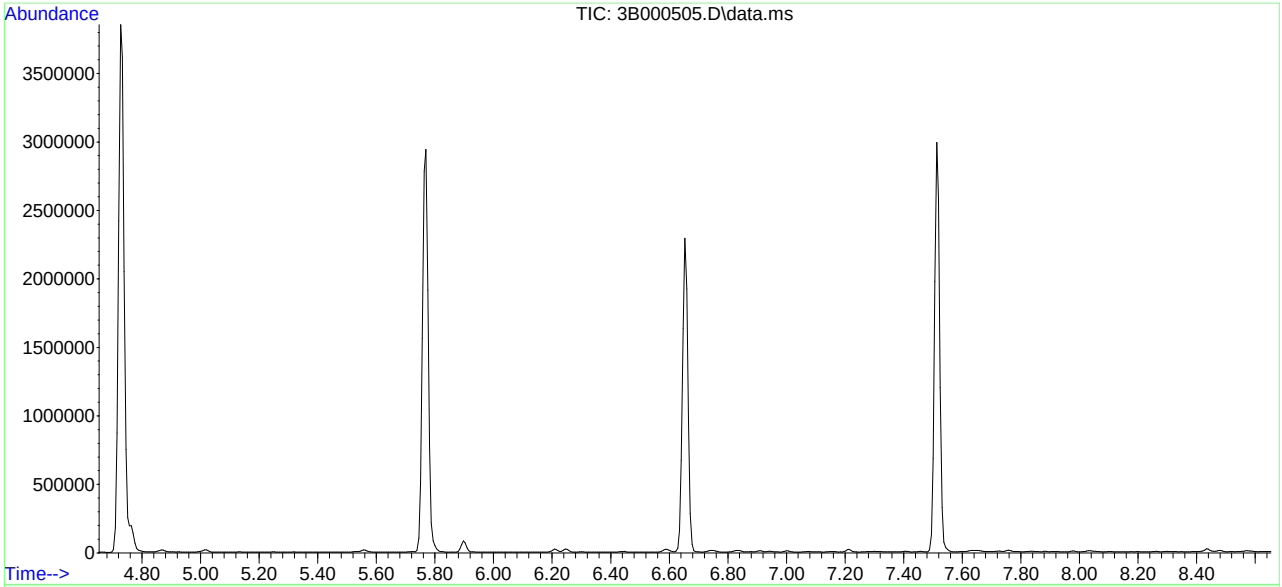
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	95	100	100	100.0	397394	PASS
96	95	5	9	6.7	26484	PASS
173	174	0.00	2	0.8	2247	PASS
174	95	50	200	70.9	281875	PASS
175	174	5	9	7.2	20328	PASS
176	174	95	105	96.0	270592	PASS
177	176	5	10	6.8	18285	PASS

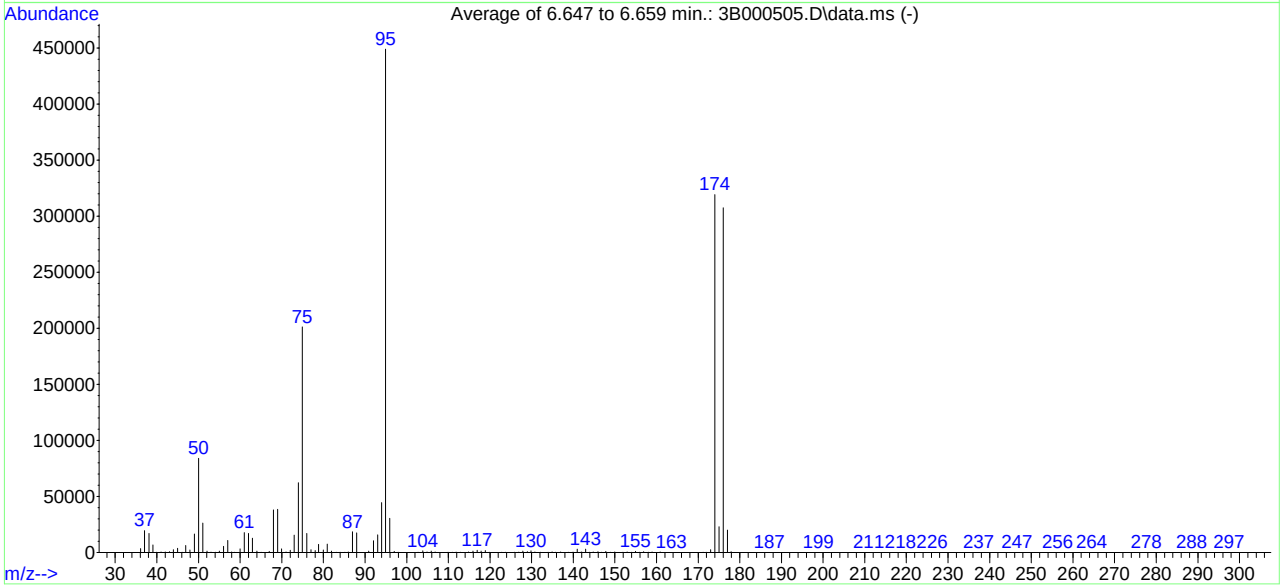
3B000245.D V1A3037_09182024.M Tue Sep 24 11:44:32 2024

Methods: SW-846 8260D

```
Data File : C:\msdchem\1\data\tune xfer\3B000505.D       Vial: 1
Acq On    : 08 Oct 2024  09:05 am                    Operator: neilc1
Sample    : bfb                                      Inst    : MSVOA22-3B
Misc      : ms57664,V3B23,,,,,                       Multiplr: 1.00
MS Integration Params: med.p

Method    : C:\msdchem\1\met...A2001_09182024.M (RTE Integrator)
Title     : SW-846 Method 5035A/8260D
```





AutoFind: Scans 912, 913, 914; Background Corrected with Scan 904

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	95	100	100	100.0	448859	PASS
96	95	5	9	6.8	30354	PASS
173	174	0.00	2	0.7	2363	PASS
174	95	50	200	71.1	319168	PASS
175	174	5	9	7.2	22880	PASS
176	174	95	105	96.3	307329	PASS
177	176	5	10	6.5	19997	PASS

3B000505.D V2A2001_09182024.M Tue Oct 08 09:19:39 2024

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/25/24 07:51

Quantitation Report (QT Reviewed)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000246.D
Acq On : 24 Sep 2024 12:01 pm
Operator : davidb2
Sample : IC13-1 Inst : MSVOA22-3B
Misc : ms57558,V3B13,,,,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 25 06:13:23 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	3.782	96	1805786	50.00	ug/L		0.00
62) Chlorobenzene-d5	5.769	117	1130253	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	7.513	152	539347	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	3.325	113	399829	38.35	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 76.70%#				
49) 1,2-Dichloroethane-d4	3.623	65	515770	42.21	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 84.42%				
63) Toluene-d8	4.727	98	1652000	53.56	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 107.12%				
86) 4-Bromofluorobenzene	6.653	174	420913	50.60	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.20%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.185	85	10181	0.94	ug/L		97
3) Chloromethane	1.331	50	9550	0.94	ug/L		88
4) 1,3-butadiene	1.380	39	9322	1.07	ug/L		98
5) Vinyl Chloride	1.374	62	8899	0.84	ug/L		93
6) Bromomethane	1.575	94	1975	0.31	ug/L		82
7) Chloroethane	1.654	64	3143	0.44	ug/L		93
8) Trichlorofluoromethane	1.740	101	8351	0.53	ug/L		96
9) Ethyl Ether	1.922	59	8736	1.22	ug/L		96
11) 1,2-Dichlorotrifluoroe...	2.026	67	10467	1.01	ug/L		86
12) 1,1-Dichloroethene	2.038	61	13456	1.08	ug/L		86
13) Freon 113	2.063	101	7847	0.95	ug/L		92
14) Carbon Disulfide	2.063	76	24652	0.96	ug/L		98
15) Iodomethane	2.130	142	6383	1.03	ug/L		97
16) Acrolein	2.227	56	5185	2.96	ug/L		91
17) Allyl chloride	2.306	41	13774	1.23	ug/L		84
18) Methylene Chloride	2.361	49	48330	4.02	ug/L		98
19) Acetone	2.386	43	12201	3.86	ug/L		91
20) Methyl acetate	2.453	43	37742	4.41	ug/L		98
21) trans-1,2-Dichloroethene	2.453	61	12507	1.03	ug/L		93
22) Hexane	2.495	56	8969	1.06	ug/L	#	87
23) Methyl Tert Butyl Ether	2.508	73	24749	1.08	ug/L	#	66
24) Acetonitrile	2.642	41	16398	12.86	ug/L		95
25) Tert Butyl Alcohol	2.544	59	7473	5.62	ug/L	#	54
26) Di-isopropyl ether	2.709	45	31121	1.24	ug/L		96
27) Chloroprene	2.812	53	20809	0.62	ug/L		83
28) 1,1-Dichloroethane	2.788	63	16264	1.02	ug/L		96
29) Acrylonitrile	2.812	52	13956	3.32	ug/L	#	70
30) ETBE	2.910	59	28590	1.16	ug/L		94
31) Vinyl acetate	2.910	43	103204	5.68	ug/L		98
32) cis-1,2-Dichloroethene	3.081	96	8905	0.96	ug/L		94
33) 2,2-Dichloropropane	3.142	77	13490	1.14	ug/L		97
34) Bromochloromethane	3.190	128	4138	0.87	ug/L		83
35) Cyclohexane	3.197	56	17943	1.18	ug/L		91
36) Chloroform	3.221	83	16073	0.96	ug/L		98
37) Ethyl acetate	2.910	43	103709	9.29	ug/L		68
38) Tetrahydrofuran	3.325	42	3362	0.86	ug/L		84
40) Carbon Tetrachloride	3.312	117	9757m	0.79	ug/L		

Quantitation Report (QT Reviewed)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000246.D
Acq On : 24 Sep 2024 12:01 pm
Operator : davidb2
Sample : IC13-1 Inst : MSVOA22-3B
Misc : ms57558,V3B13,,,,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 25 06:13:23 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) 1,1,1-Trichloroethane	3.349	97	13033	0.98	ug/L		95
42) 2-Butanone	3.386	43	19994	3.73	ug/L		99
43) 1,1-Dichloropropene	3.410	75	10878	1.05	ug/L		94
44) tert-Butyl formate	3.465	59	33479	6.11	ug/L		94
45) Propionitrile	3.556	54	13075	7.97	ug/L	#	1
46) Methacrylonitrile	3.568	41	63950	10.14	ug/L		95
47) Benzene	3.550	78	36234	1.05	ug/L		89
48) TAME	3.605	73	22720	1.07	ug/L	#	78
50) 1,2-Dichloroethane	3.666	62	11909	0.96	ug/L		95
51) Isobutyl Alcohol	3.635	43	3193m	4.01	ug/L		
52) Tert Amyl Alcohol	3.703	59	3643	3.69	ug/L		83
53) Trichloroethene	3.879	95	8940	0.94	ug/L		96
54) Methylcyclohexane	3.885	83	15431	1.02	ug/L		92
55) Dibromomethane	4.129	93	5257	0.86	ug/L		92
56) 1,2-Dichloropropane	4.190	63	9655	1.06	ug/L		95
57) Bromodichloromethane	4.221	83	10234	0.88	ug/L		97
58) Methyl methacrylate	4.300	41	7239	0.95	ug/L		87
59) 1,4-Dioxane	4.343	88	1010	11.79	ug/L		96
60) 2-Chloroethyl vinyl ether	4.562	63	26178	4.89	ug/L		92
61) cis-1,3-Dichloropropene	4.605	75	13002	1.04	ug/L		91
64) Toluene	4.763	91	35541	1.11	ug/L		96
65) 2-Nitropropane	4.562	41	1150	0.49	ug/L	#	1
66) 4-Methyl-2-pentanone	4.995	43	36522	3.96	ug/L		98
67) trans-1,3-Dichloropropene	4.605	75	13002	1.28	ug/L		93
68) Tetrachloroethene	5.013	166	8358	0.89	ug/L		94
69) Ethyl methacrylate	5.117	69	7924	0.90	ug/L		88
70) 1,1,2-Trichloroethane	5.129	83	6425	1.11	ug/L		96
71) Dibromochloromethane	5.251	129	5964	0.82	ug/L		97
72) 1,3-Dichloropropane	5.312	76	13623	1.22	ug/L		94
73) 1,2-Dibromoethane	5.416	107	7169	1.02	ug/L		93
74) 3,3-Dimethyl-1-Butanol	5.531	57	22960	20.42	ug/L		91
75) 2-hexanone	5.556	43	26737	2.98	ug/L	#	66
76) 1-Chlorohexane	5.757	91	12975m	1.07	ug/L		
77) Ethylbenzene	5.794	91	39530m	1.10	ug/L		
78) Chlorobenzene	5.781	112	21551	1.02	ug/L		88
79) 1,1,1,2-Tetrachloroethane	5.818	131	6359	0.95	ug/L		89
80) m,p-Xylene	5.897	91	57789	2.00	ug/L		94
81) o-Xylene	6.208	91	27987	0.95	ug/L		97
82) Styrene	6.245	104	19762	0.95	ug/L		95
83) Bromoform	6.263	173	3379	0.67	ug/L		93
84) Isopropylbenzene	6.440	105	32558	0.97	ug/L		97
87) cis-1,4-Dichloro-2-butene	6.702	53	2821	1.28	ug/L	#	76
88) n-Propylbenzene	6.757	91	40278	1.12	ug/L		98
89) Bromobenzene	6.732	156	8157	1.10	ug/L	#	83
90) 1,1,2,2-Tetrachloroethane	6.800	83	8024	0.98	ug/L		96
91) 1,3,5-Trimethylbenzene	6.909	105	26747	1.17	ug/L		98
92) 2-Chlorotoluene	6.873	91	26980	1.36	ug/L		98
93) trans-1,4-Dichloro-2-B...	6.940	53	1841	0.66	ug/L		93
94) 1,2,3-Trichloropropane	6.909	110	2643	1.10	ug/L		92
96) 4-Chlorotoluene	7.001	91	24778	1.20	ug/L		91
97) tert-Butylbenzene	7.153	91	15552	1.14	ug/L		94
98) 1,2,4-Trimethylbenzene	7.208	105	25875	1.21	ug/L		99
99) Pentachloroethane	7.171	167	3392	1.03	ug/L	#	1

Quantitation Report (QT Reviewed)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000246.D
Acq On : 24 Sep 2024 12:01 pm
Operator : davidb2
Sample : IC13-1 Inst : MSVOA22-3B
Misc : ms57558,V3B13,,,,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 25 06:13:23 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration

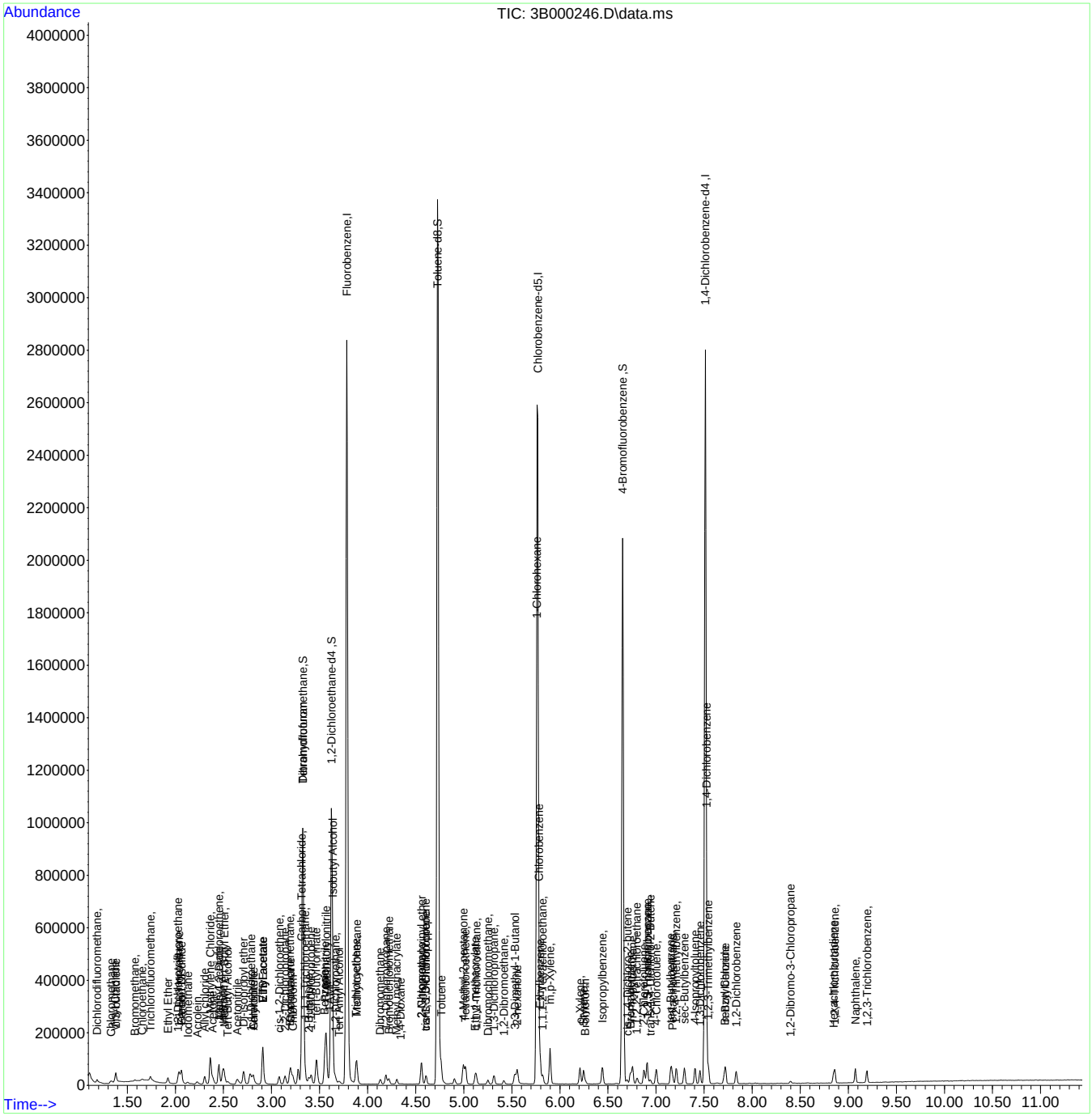
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
100) sec-Butylbenzene	7.293	105	31890	1.09	ug/L		99
101) 4-Isopropyltoluene	7.403	119	26448	1.10	ug/L		99
102) 1,3-Dichlorobenzene	7.458	146	14988	1.12	ug/L		97
103) 1,2,3-Trimethylbenzene	7.543	105	27745	1.27	ug/L		99
104) 1,4-Dichlorobenzene	7.525	146	15274m	1.11	ug/L		
105) n-Butylbenzene	7.720	92	14290	1.28	ug/L		91
106) Benzyl Chloride	7.714	126	2607	1.14	ug/L	#	1
107) 1,2-Dichlorobenzene	7.836	146	13896	1.11	ug/L		95
108) 1,2-Dibromo-3-Chloropr...	8.397	75	1485	0.97	ug/L		89
109) Hexachlorobutadiene	8.848	225	4192	1.27	ug/L		81
110) 1,2,4-Trichlorobenzene	8.860	180	9106	1.34	ug/L		95
111) Naphthalene	9.074	128	26146	1.49	ug/L		98
112) 1,2,3-Trichlorobenzene	9.195	180	9209	1.52	ug/L		94

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

Quantitation Report (QT Reviewed)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000246.D
Acq On : 24 Sep 2024 12:01 pm
Operator : davidb2
Sample : IC13-1 Inst : MSVOA22-3B
Misc : ms57558,V3B13,,,,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 25 06:13:23 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: V3B13-IC13
Lab FileID: 3B000246.D
Injection Time: 09/24/24 12:01

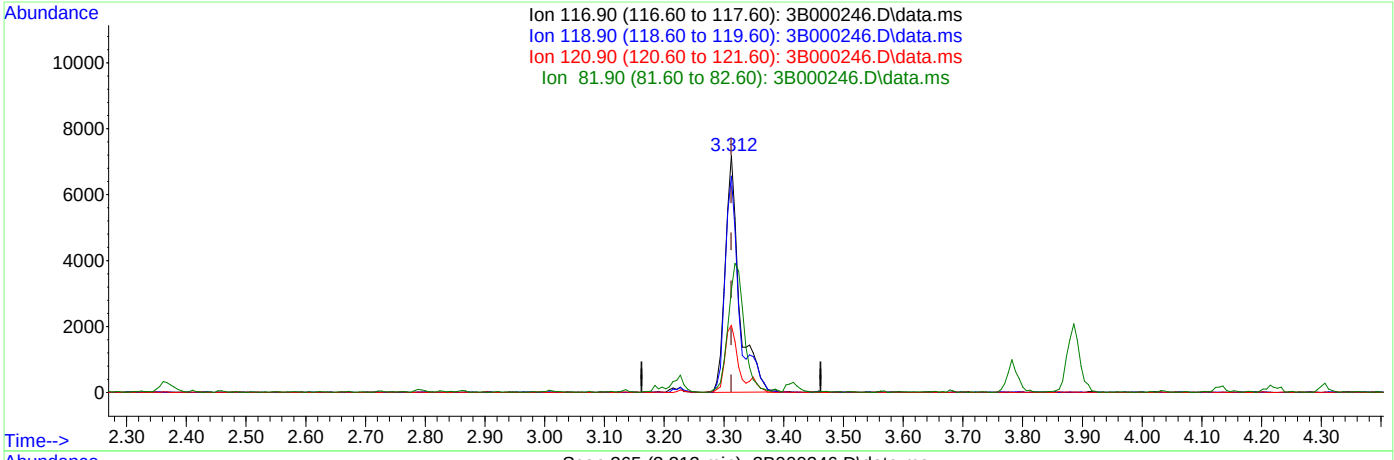
Method: SW846 8260D
Analyst approved: 09/25/24 07:00 Neil Christiana
Supervisor approved: 09/25/24 07:51 Karen Watson

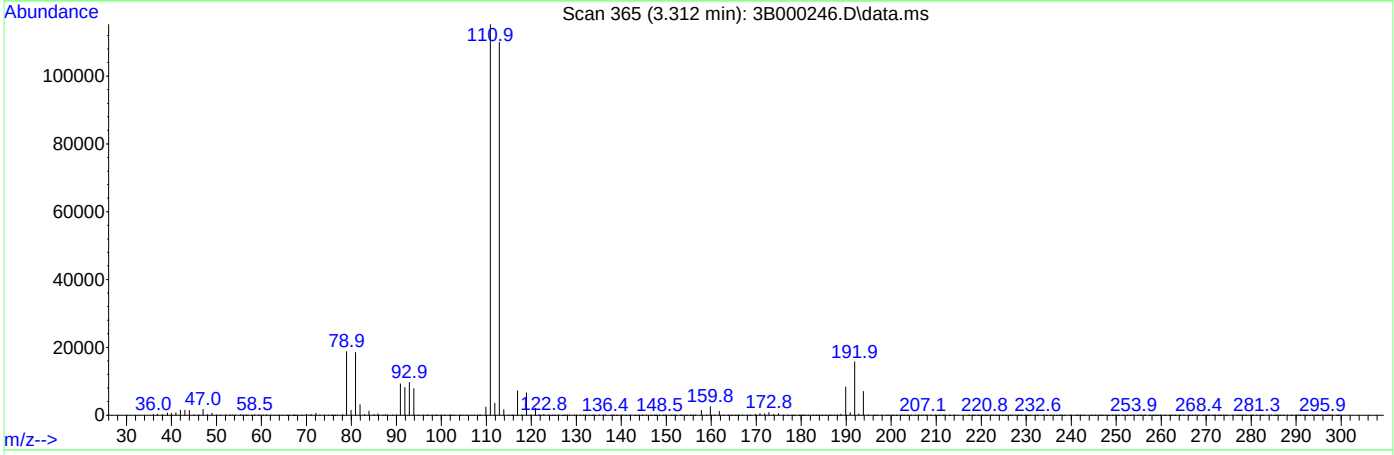
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.31	Overlapping peak
Isobutyl Alcohol	78-83-1		3.64	Poorly defined baseline
1-Chlorohexane	544-10-5		5.76	Poorly defined baseline
Ethylbenzene	100-41-4		5.79	Poorly defined baseline
1,4-Dichlorobenzene	106-46-7		7.53	Missed peak

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000246.D
Acq On : 24 Sep 2024 12:01 pm
Operator : davidb2
Sample : IC13-1 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 25 06:13:23 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000246.D\data.ms

(40) Carbon Tetrachloride ( )

3.312min (+0.000) 0.96ug/L

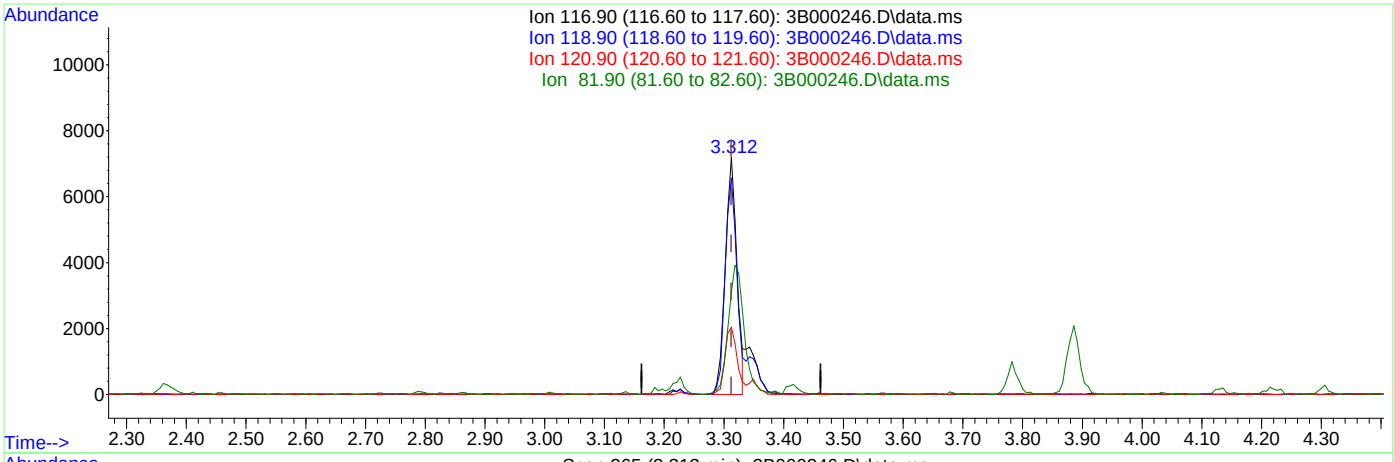
response 11865

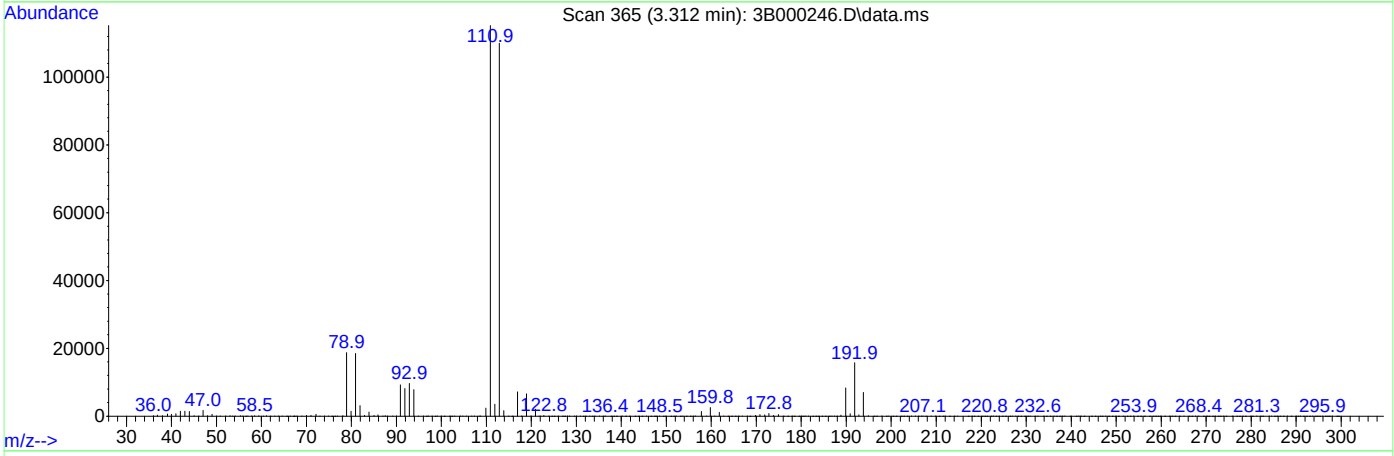
Ion	Exp%	Act%
116.90	100	100
118.90	94.70	91.34
120.90	29.70	28.38
81.90	27.10	43.02

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000246.D
Acq On : 24 Sep 2024 12:01 pm
Operator : davidb2
Sample : IC13-1 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 25 06:13:23 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000246.D\data.ms

(40) Carbon Tetrachloride ( )

3.312min (+0.000) 0.79ug/L m

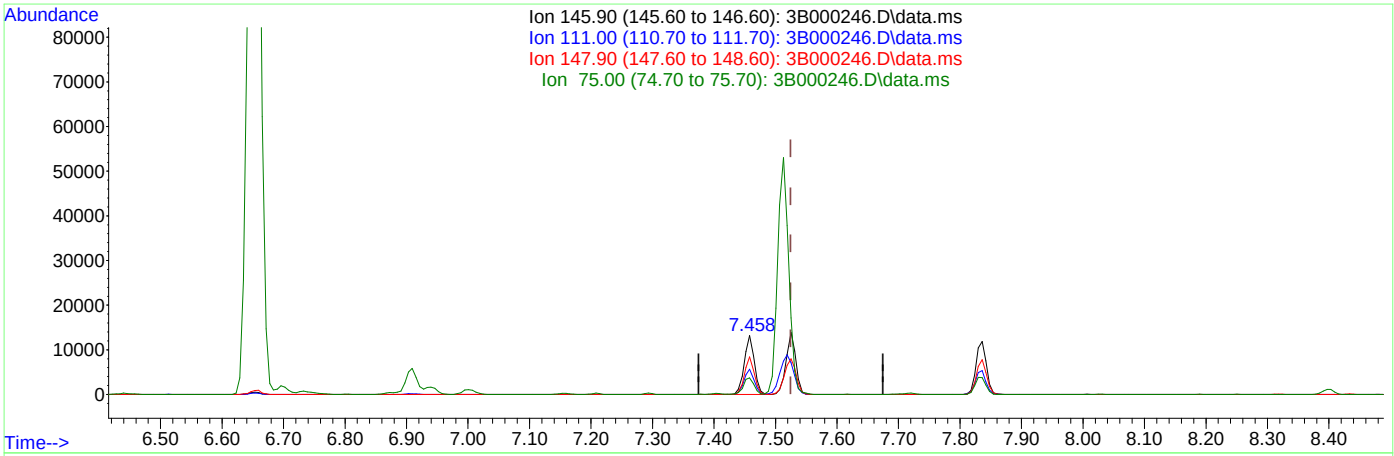
response 9757

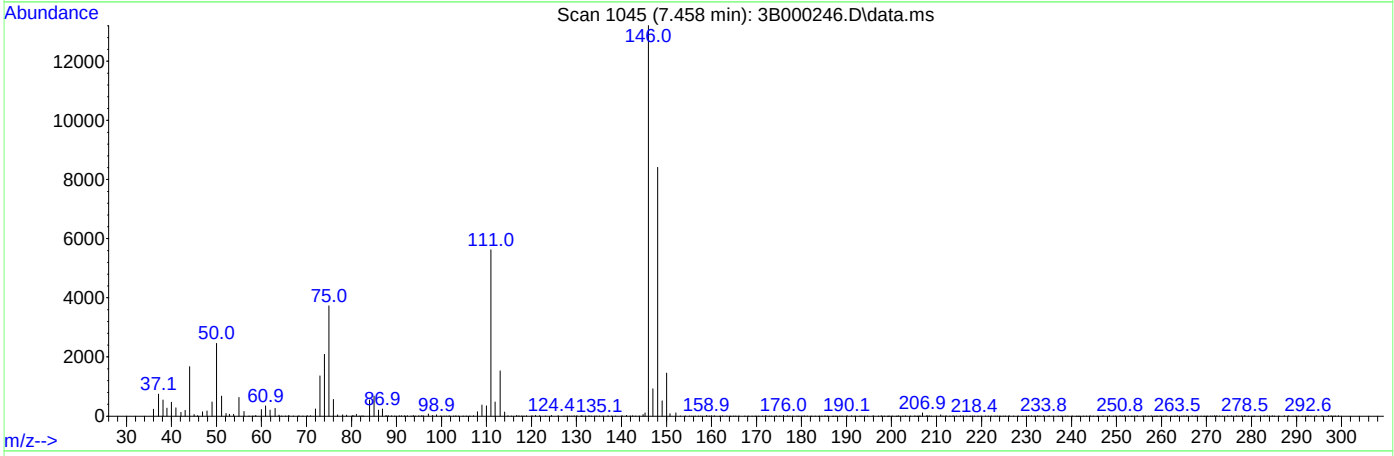
Ion	Exp%	Act%
116.90	100	100
118.90	94.70	91.35
120.90	29.70	28.46
81.90	27.10	43.16

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000246.D
Acq On : 24 Sep 2024 12:01 pm
Operator : davidb2
Sample : IC13-1 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 25 06:13:23 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000246.D\data.ms

(104) 1,4-Dichlorobenzene

7.458min (-0.067) 1.09ug/L

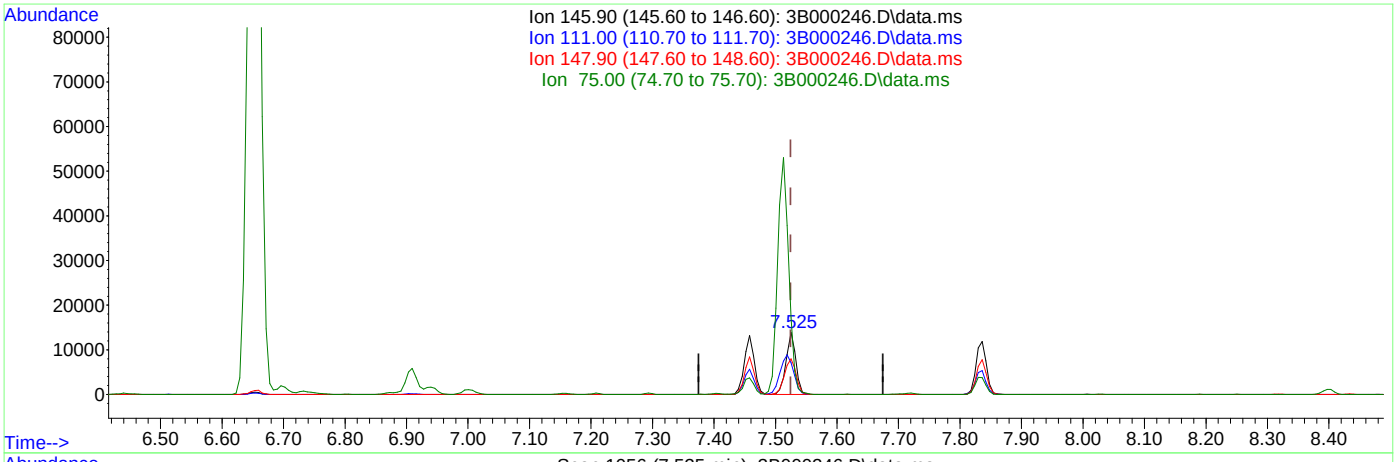
response 14988

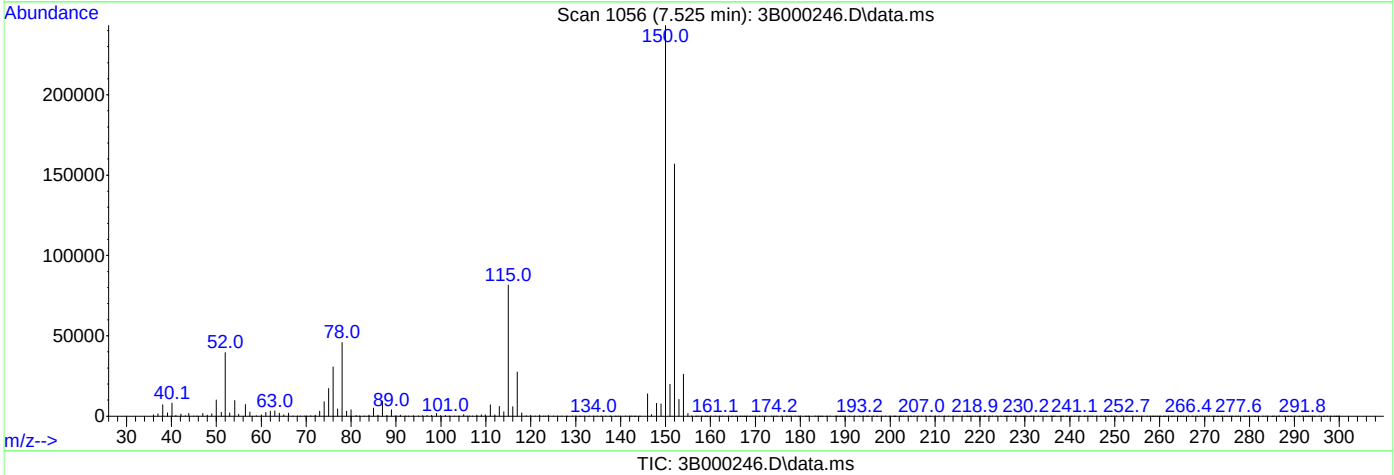
Ion	Exp%	Act%
145.90	100	100
111.00	39.50	42.43
147.90	63.90	63.48
75.00	31.50	27.56

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000246.D
Acq On : 24 Sep 2024 12:01 pm
Operator : davidb2
Sample : IC13-1 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 25 06:13:23 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000246.D\data.ms

(104) 1,4-Dichlorobenzene

7.525min (+0.000) 1.11ug/L m

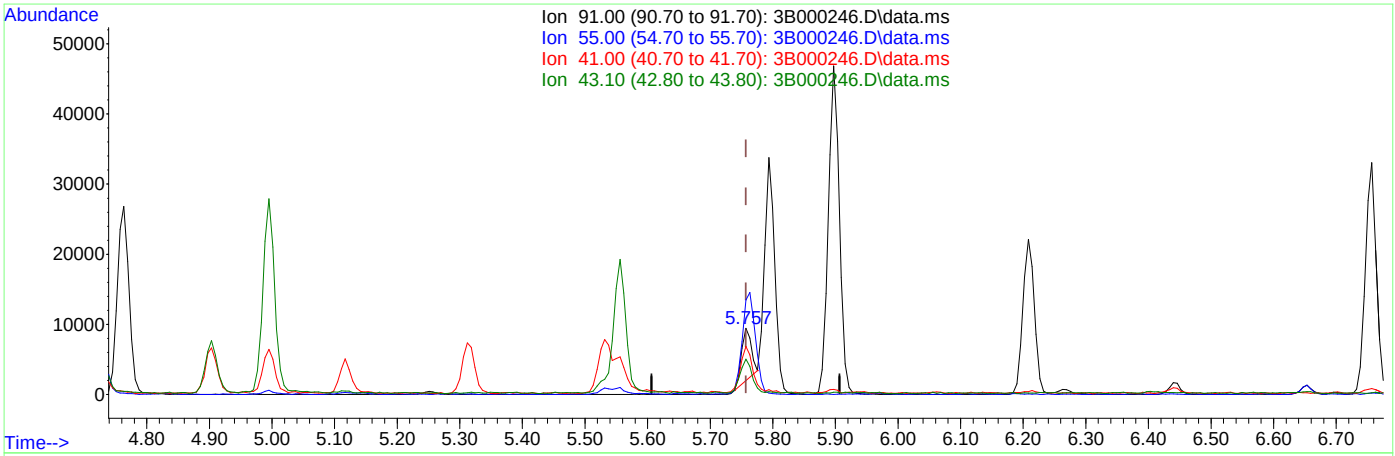
response 15274

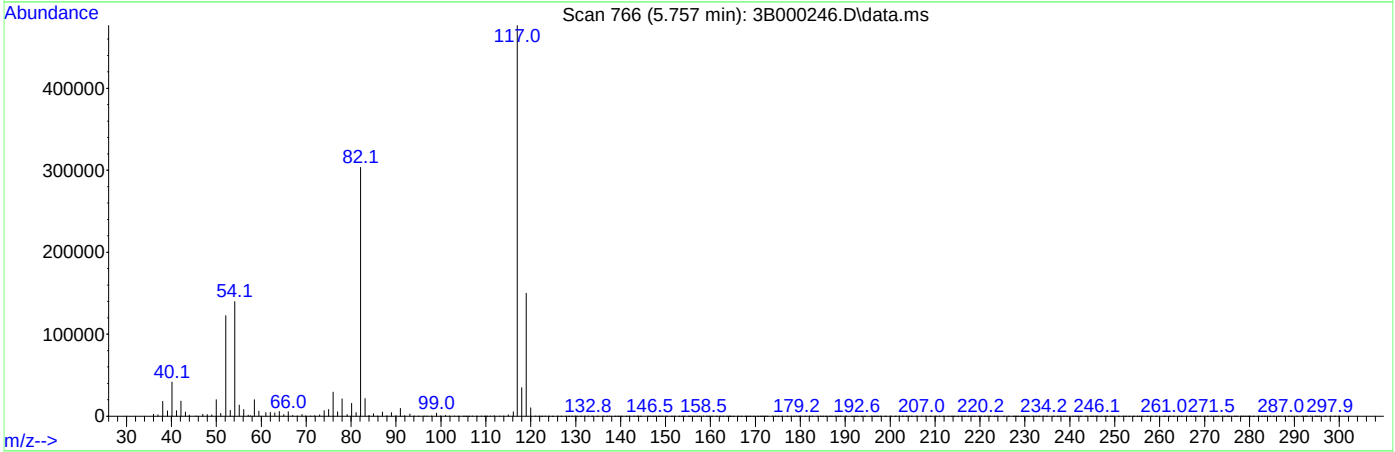
Ion	Exp%	Act%
145.90	100	100
111.00	39.50	50.99
147.90	63.90	57.62
75.00	31.50	123.47#

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000246.D
Acq On : 24 Sep 2024 12:01 pm
Operator : davidb2
Sample : IC13-1 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 25 06:13:23 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000246.D\data.ms

(76) 1-Chlorohexane

5.757min (+0.000) 0.70ug/L

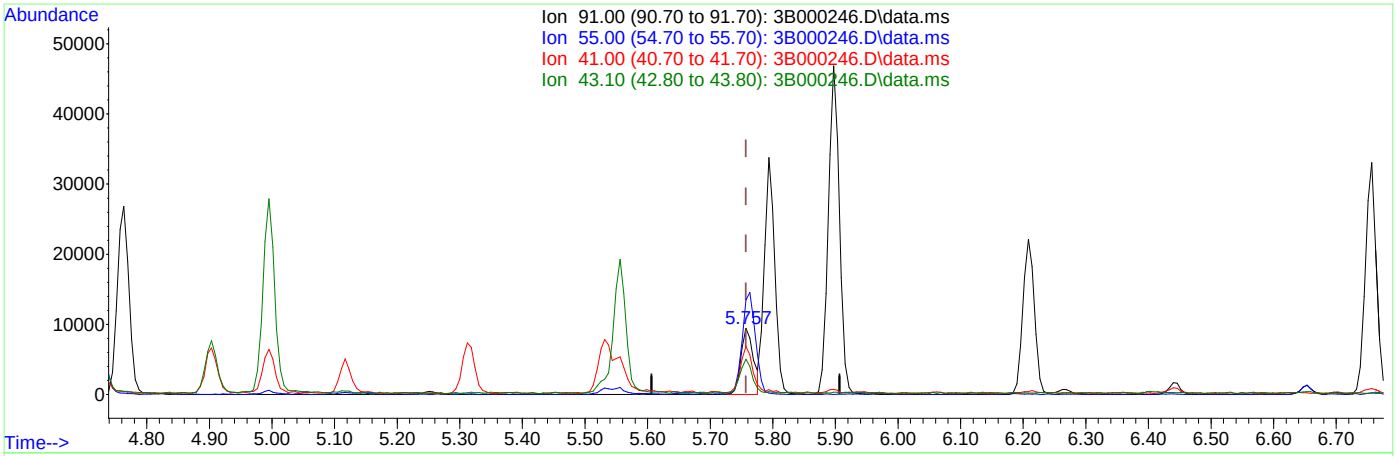
response 8569

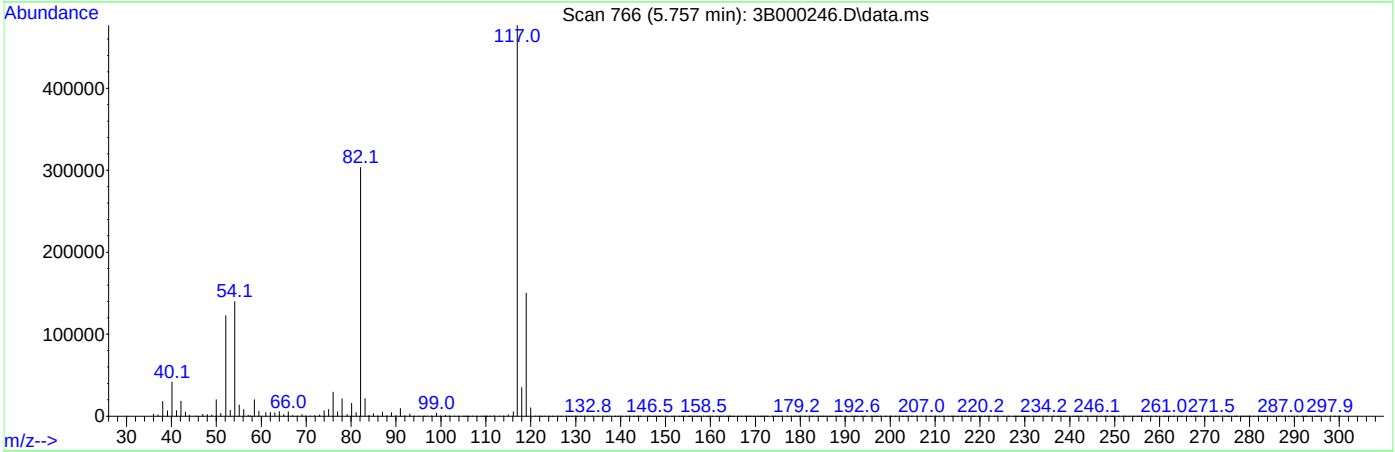
Ion	Exp%	Act%
91.00	100	100
55.00	72.90	144.66#
41.00	59.60	66.90
43.10	44.70	49.27

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000246.D
Acq On : 24 Sep 2024 12:01 pm
Operator : davidb2
Sample : IC13-1 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 25 06:13:23 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000246.D\data.ms

(76) 1-Chlorohexane

5.757min (+0.000) 1.07ug/L m

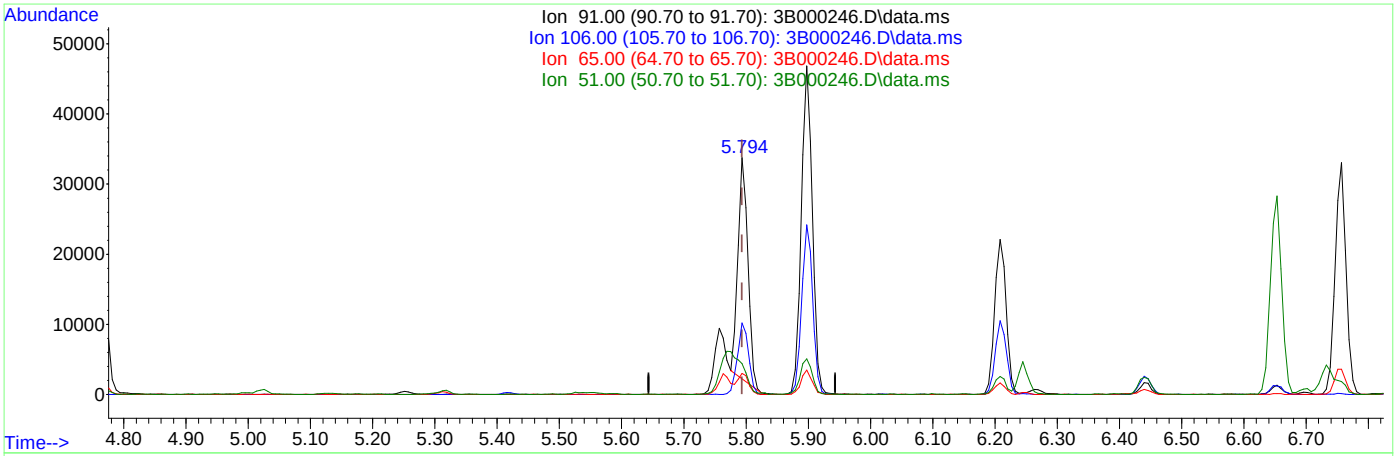
response 12975

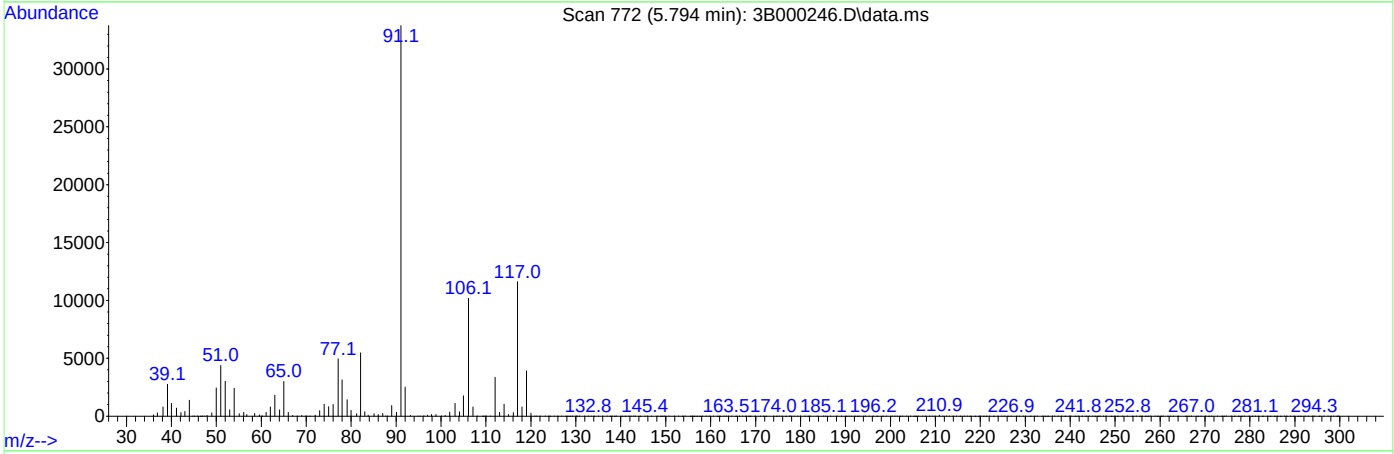
Ion	Exp%	Act%
91.00	100	100
55.00	72.90	142.68#
41.00	59.60	72.57
43.10	44.70	53.20

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000246.D
Acq On : 24 Sep 2024 12:01 pm
Operator : davidb2
Sample : IC13-1 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 25 06:13:23 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000246.D\data.ms

(77) Ethylbenzene

5.794min (+0.000) 0.95ug/L

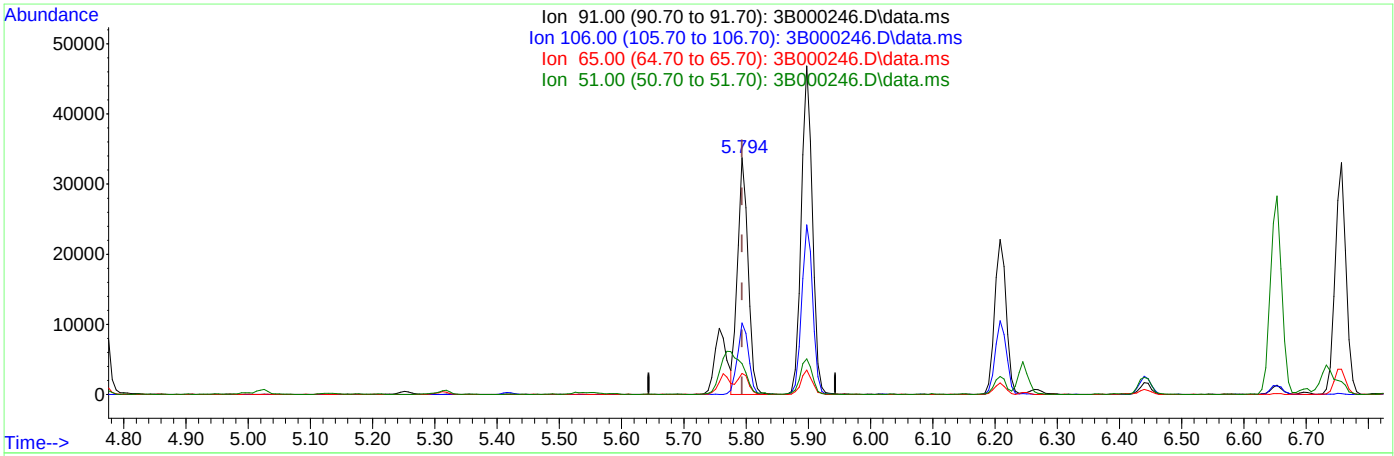
response 34104

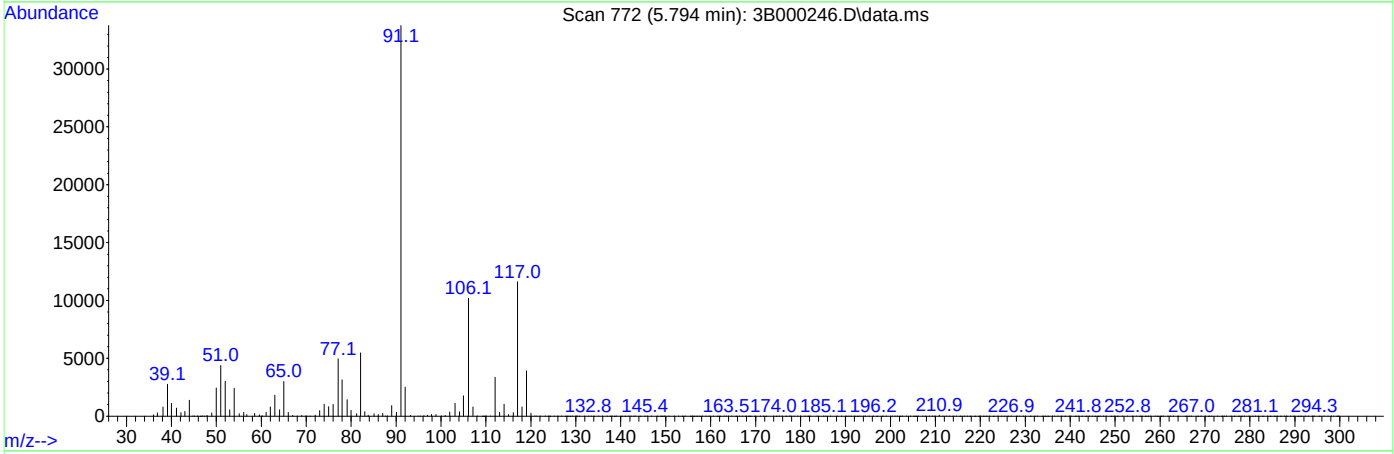
Ion	Exp%	Act%
91.00	100	100
106.00	30.40	30.33
65.00	9.00	8.90
51.00	10.80	12.52

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000246.D
Acq On : 24 Sep 2024 12:01 pm
Operator : davidb2
Sample : IC13-1 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 25 06:13:23 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000246.D\data.ms

(77) Ethylbenzene

5.794min (+0.000) 1.10ug/L m

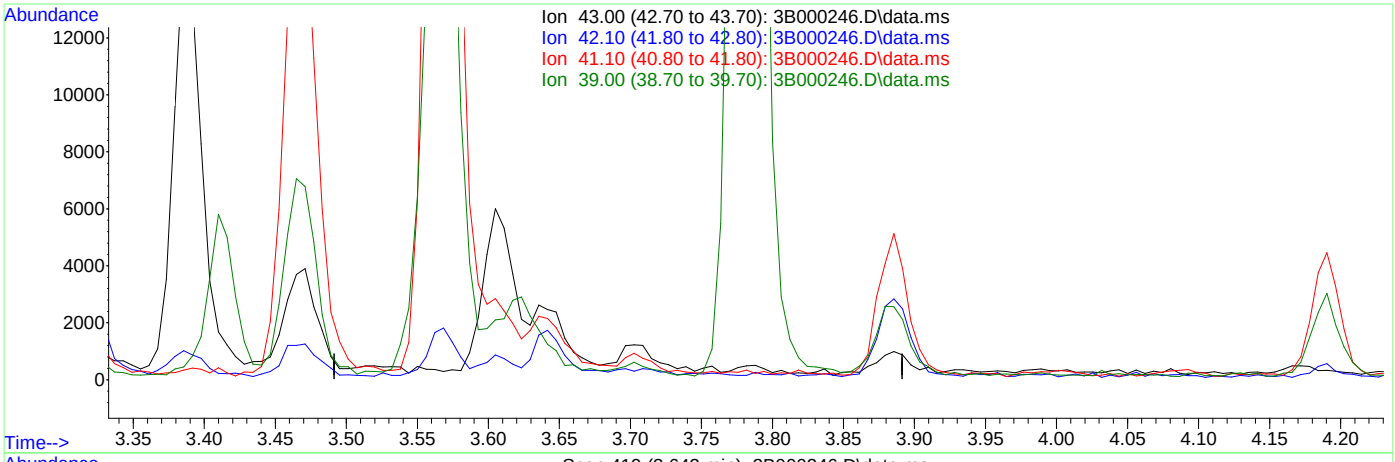
response 39530

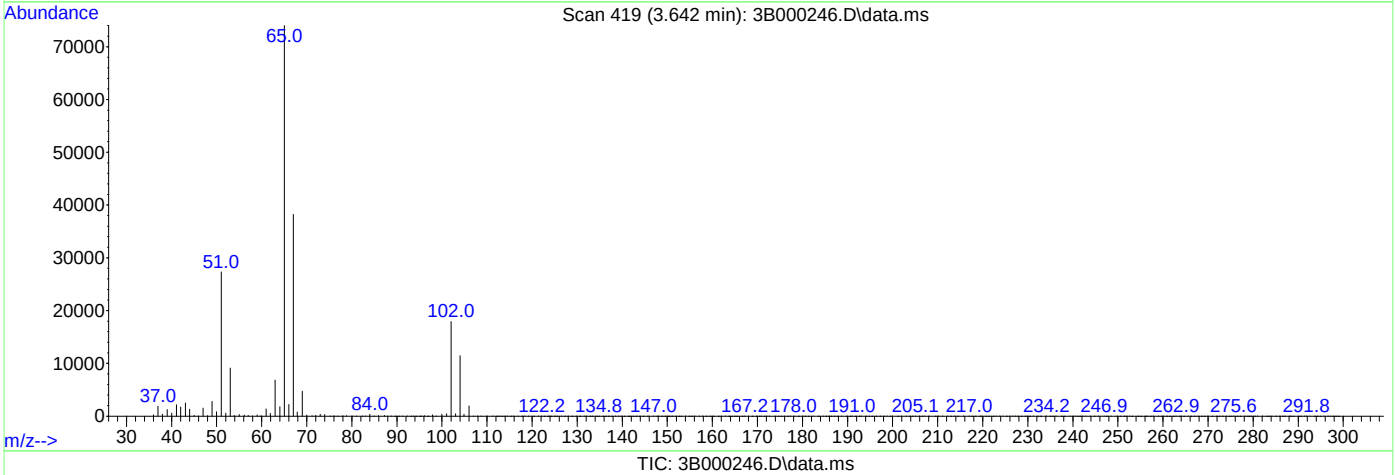
Ion	Exp%	Act%
91.00	100	100
106.00	30.40	30.19
65.00	9.00	8.87
51.00	10.80	12.99

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000246.D
Acq On : 24 Sep 2024 12:01 pm
Operator : davidb2
Sample : IC13-1 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 25 06:13:23 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000246.D\data.ms

(51) Isobutyl Alcohol

3.641min 0.00ug/L d

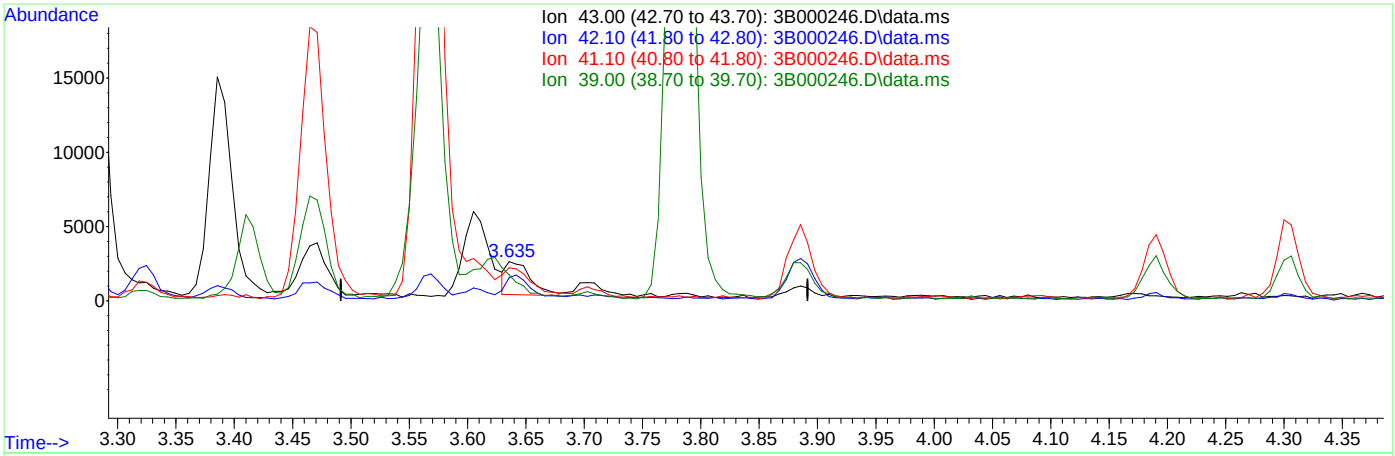
response 0

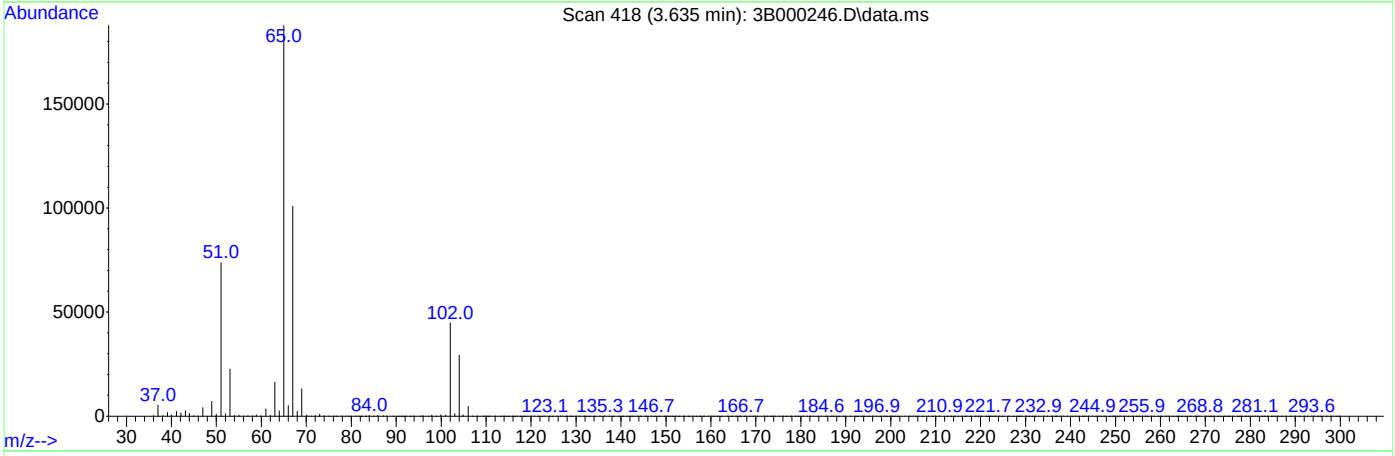
Ion	Exp%	Act%
43.00	100	0.00
42.10	33.00	0.00
41.10	49.00	0.00
39.00	31.10	0.00

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000246.D
Acq On : 24 Sep 2024 12:01 pm
Operator : davidb2
Sample : IC13-1 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 25 06:13:23 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000246.D\data.ms

(51) Isobutyl Alcohol

3.635min (-0.006) 4.01ug/L m

response 3193

Ion	Exp%	Act%
43.00	100	100
42.10	33.00	59.57
41.10	49.00	84.89
39.00	31.10	66.31#

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/25/24 07:51

Quantitation Report (QT Reviewed)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000247.D
Acq On : 24 Sep 2024 12:34 pm
Operator : davidb2
Sample : IC13-8 Inst : MSVOA22-3B
Misc : ms57558,V3B13,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 25 06:13:27 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	3.782	96	1791941	50.00	ug/L		0.00
62) Chlorobenzene-d5	5.769	117	1116008	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	7.513	152	531647	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	3.324	113	393793	38.07	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 76.14%#				
49) 1,2-Dichloroethane-d4	3.623	65	506129	41.74	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 83.48%				
63) Toluene-d8	4.727	98	1634750	53.67	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 107.34%				
86) 4-Bromofluorobenzene	6.653	174	413277	50.40	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.80%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.185	85	20178	1.88	ug/L		100
3) Chloromethane	1.331	50	20306	2.01	ug/L		97
4) 1,3-butadiene	1.380	39	18717	2.16	ug/L		98
5) Vinyl Chloride	1.367	62	19601	1.87	ug/L		97
6) Bromomethane	1.575	94	3658	0.58	ug/L		99
7) Chloroethane	1.654	64	8842	1.26	ug/L		96
8) Trichlorofluoromethane	1.739	101	17210	1.10	ug/L		99
9) Ethyl Ether	1.922	59	18574	2.60	ug/L		96
11) 1,2-Dichlorotrifluoroe...	2.032	67	21466	2.10	ug/L		89
12) 1,1-Dichloroethene	2.038	61	29047	2.35	ug/L		89
13) Freon 113	2.062	101	17882	2.18	ug/L		95
14) Carbon Disulfide	2.062	76	52261	2.06	ug/L		99
15) Iodomethane	2.130	142	9241	1.50	ug/L		87
16) Acrolein	2.227	56	12917	7.43	ug/L		98
17) Allyl chloride	2.306	41	29636	2.66	ug/L	#	82
18) Methylene Chloride	2.361	49	60186	5.04	ug/L		96
19) Acetone	2.386	43	26246	8.37	ug/L		94
20) Methyl acetate	2.447	43	83403	9.82	ug/L		95
21) trans-1,2-Dichloroethene	2.453	61	29556	2.45	ug/L		95
22) Hexane	2.495	56	20387	2.42	ug/L	#	83
23) Methyl Tert Butyl Ether	2.507	73	57282	2.51	ug/L	#	61
24) Acetonitrile	2.642	41	26674	21.13	ug/L		97
25) Tert Butyl Alcohol	2.544	59	17247	13.06	ug/L	#	48
26) Di-isopropyl ether	2.709	45	69886	2.80	ug/L		99
27) Chloroprene	2.806	53	42333	1.27	ug/L		85
28) 1,1-Dichloroethane	2.788	63	36318	2.29	ug/L		96
29) Acrylonitrile	2.806	52	28867	6.93	ug/L	#	72
30) ETBE	2.904	59	66925	2.74	ug/L		97
31) Vinyl acetate	2.910	43	231348	12.83	ug/L		96
32) cis-1,2-Dichloroethene	3.081	96	19371	2.10	ug/L		90
33) 2,2-Dichloropropane	3.142	77	30021	2.55	ug/L		98
34) Bromochloromethane	3.190	128	8709	1.85	ug/L		87
35) Cyclohexane	3.196	56	39620	2.64	ug/L		92
36) Chloroform	3.221	83	34447	2.08	ug/L		99
37) Ethyl acetate	2.910	43	232972	21.04	ug/L		68
38) Tetrahydrofuran	3.318	42	6609	1.70	ug/L		99
40) Carbon Tetrachloride	3.312	117	22302m	1.82	ug/L		

Quantitation Report (QT Reviewed)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000247.D
Acq On : 24 Sep 2024 12:34 pm
Operator : davidb2
Sample : IC13-8 Inst : MSVOA22-3B
Misc : ms57558,V3B13,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 25 06:13:27 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) 1,1,1-Trichloroethane	3.349	97	29695	2.25	ug/L		99
42) 2-Butanone	3.385	43	44195	8.30	ug/L		95
43) 1,1-Dichloropropene	3.410	75	24701	2.41	ug/L		96
44) tert-Butyl formate	3.471	59	90045	16.57	ug/L		93
45) Propionitrile	3.556	54	27954	17.18	ug/L	#	1
46) Methacrylonitrile	3.568	41	140937	22.52	ug/L		97
47) Benzene	3.550	78	81798	2.40	ug/L		89
48) TAME	3.605	73	53169	2.53	ug/L	#	80
50) 1,2-Dichloroethane	3.666	62	27594	2.25	ug/L		100
51) Isobutyl Alcohol	3.641	43	7367m	9.32	ug/L		
52) Tert Amyl Alcohol	3.702	59	8466	8.64	ug/L		100
53) Trichloroethene	3.879	95	20039	2.13	ug/L		95
54) Methylcyclohexane	3.885	83	32191	2.15	ug/L		94
55) Dibromomethane	4.129	93	11142	1.83	ug/L		99
56) 1,2-Dichloropropane	4.190	63	21789	2.41	ug/L		94
57) Bromodichloromethane	4.221	83	23171	2.00	ug/L		94
58) Methyl methacrylate	4.300	41	15540	2.05	ug/L		87
59) 1,4-Dioxane	4.343	88	2605	30.64	ug/L		89
60) 2-Chloroethyl vinyl ether	4.556	63	70556	13.28	ug/L		92
61) cis-1,3-Dichloropropene	4.605	75	31227	2.52	ug/L		97
64) Toluene	4.763	91	78425	2.48	ug/L		97
65) 2-Nitropropane	4.556	41	3393	1.47	ug/L	#	1
66) 4-Methyl-2-pentanone	4.995	43	80930	8.88	ug/L		98
67) trans-1,3-Dichloropropene	4.605	75	31227	3.11	ug/L		98
68) Tetrachloroethene	5.013	166	18707	2.01	ug/L		98
69) Ethyl methacrylate	5.117	69	18230	2.09	ug/L		95
70) 1,1,2-Trichloroethane	5.129	83	14543	2.55	ug/L		97
71) Dibromochloromethane	5.251	129	14161	1.96	ug/L		97
72) 1,3-Dichloropropane	5.312	76	31036	2.81	ug/L		93
73) 1,2-Dibromoethane	5.415	107	16294	2.34	ug/L		97
74) 3,3-Dimethyl-1-Butanol	5.531	57	57132	51.47	ug/L		93
75) 2-hexanone	5.556	43	63896	7.22	ug/L	#	65
76) 1-Chlorohexane	5.757	91	26566m	2.21	ug/L		
77) Ethylbenzene	5.793	91	85846m	2.42	ug/L		
78) Chlorobenzene	5.781	112	47995	2.31	ug/L		88
79) 1,1,1,2-Tetrachloroethane	5.818	131	14308	2.17	ug/L		90
80) m,p-Xylene	5.897	91	134924	4.72	ug/L		97
81) o-Xylene	6.208	91	64539	2.21	ug/L		98
82) Styrene	6.245	104	44357	2.15	ug/L		97
83) Bromoform	6.269	173	7511	1.50	ug/L		95
84) Isopropylbenzene	6.440	105	75073	2.25	ug/L		98
87) cis-1,4-Dichloro-2-butene	6.702	53	6144	2.82	ug/L		90
88) n-Propylbenzene	6.757	91	89780	2.54	ug/L		98
89) Bromobenzene	6.732	156	17811	2.44	ug/L	#	76
90) 1,1,2,2-Tetrachloroethane	6.805	83	18397	2.27	ug/L		97
91) 1,3,5-Trimethylbenzene	6.909	105	63733	2.83	ug/L		97
92) 2-Chlorotoluene	6.873	91	60163	3.07	ug/L		97
93) trans-1,4-Dichloro-2-B...	6.940	53	4441	1.62	ug/L		93
94) 1,2,3-Trichloropropane	6.909	110	6712	2.84	ug/L		86
95) Cyclohexanone	6.946	55	2322	9.48	ug/L	#	82
96) 4-Chlorotoluene	7.001	91	56651	2.78	ug/L		95
97) tert-Butylbenzene	7.153	91	34539	2.56	ug/L		97
98) 1,2,4-Trimethylbenzene	7.208	105	61308	2.90	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000247.D
Acq On : 24 Sep 2024 12:34 pm
Operator : davidb2
Sample : IC13-8 Inst : MSVOA22-3B
Misc : ms57558,V3B13,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 25 06:13:27 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration

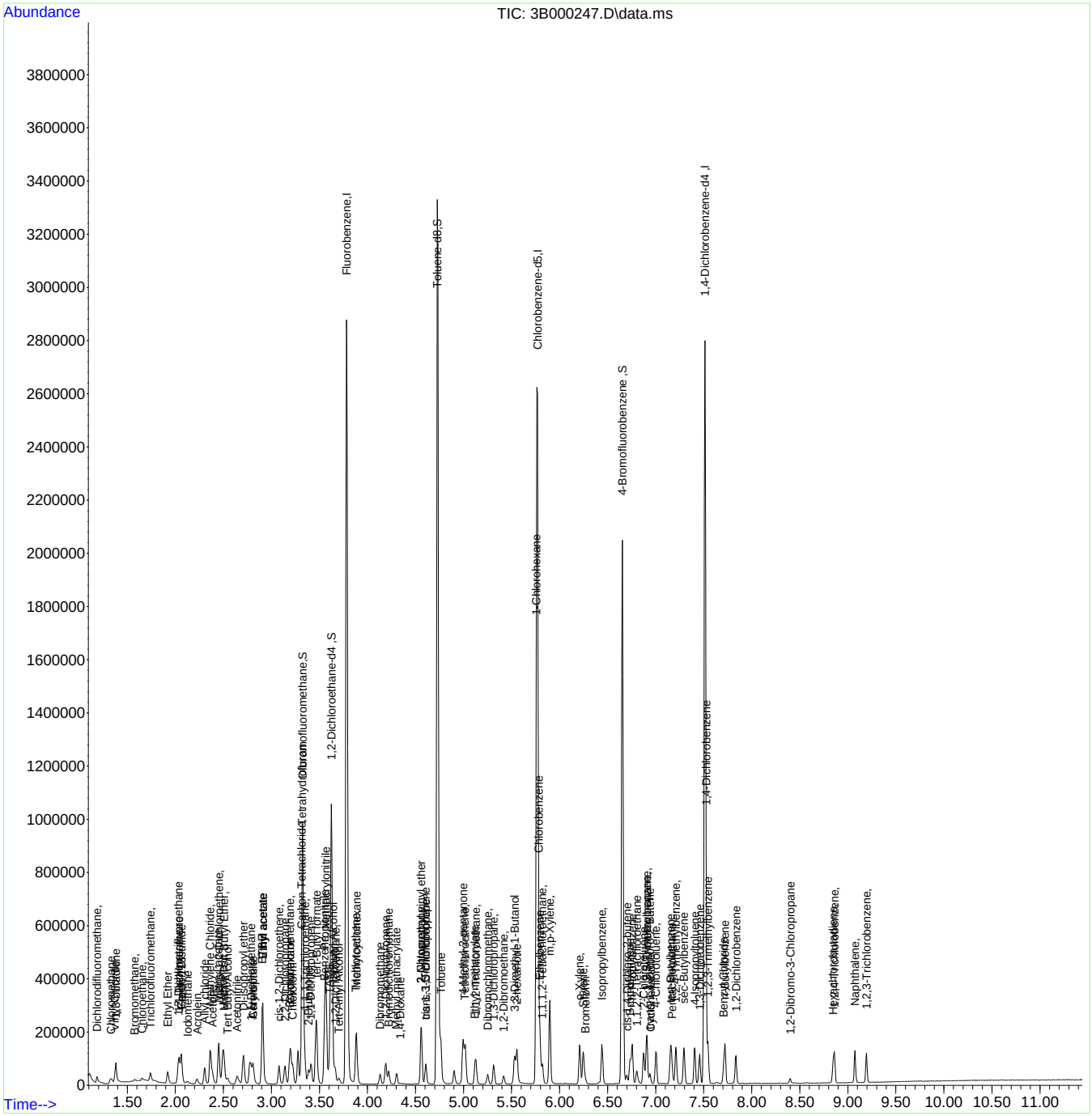
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
99) Pentachloroethane	7.171	167	6920	2.14	ug/L #	1
100) sec-Butylbenzene	7.293	105	75647	2.61	ug/L	97
101) 4-Isopropyltoluene	7.409	119	60016	2.53	ug/L	97
102) 1,3-Dichlorobenzene	7.458	146	32875	2.49	ug/L	94
103) 1,2,3-Trimethylbenzene	7.543	105	63093	2.92	ug/L	99
104) 1,4-Dichlorobenzene	7.525	146	33373m	2.45	ug/L	
105) n-Butylbenzene	7.720	92	32010	2.92	ug/L	88
106) Benzyl Chloride	7.708	126	6348	2.80	ug/L #	39
107) 1,2-Dichlorobenzene	7.836	146	31469	2.56	ug/L	98
108) 1,2-Dibromo-3-Chloropr...	8.403	75	3330	2.20	ug/L	86
109) Hexachlorobutadiene	8.848	225	8529	2.62	ug/L	89
110) 1,2,4-Trichlorobenzene	8.860	180	20609	3.07	ug/L	95
111) Naphthalene	9.073	128	59194	3.41	ug/L	100
112) 1,2,3-Trichlorobenzene	9.195	180	21004	3.52	ug/L	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000247.D
Acq On : 24 Sep 2024 12:34 pm
Operator : davidb2
Sample : IC13-8 Inst : MSVOA22-3B
Misc : ms57558,V3B13,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 25 06:13:27 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
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Manual Integration Approval Summary

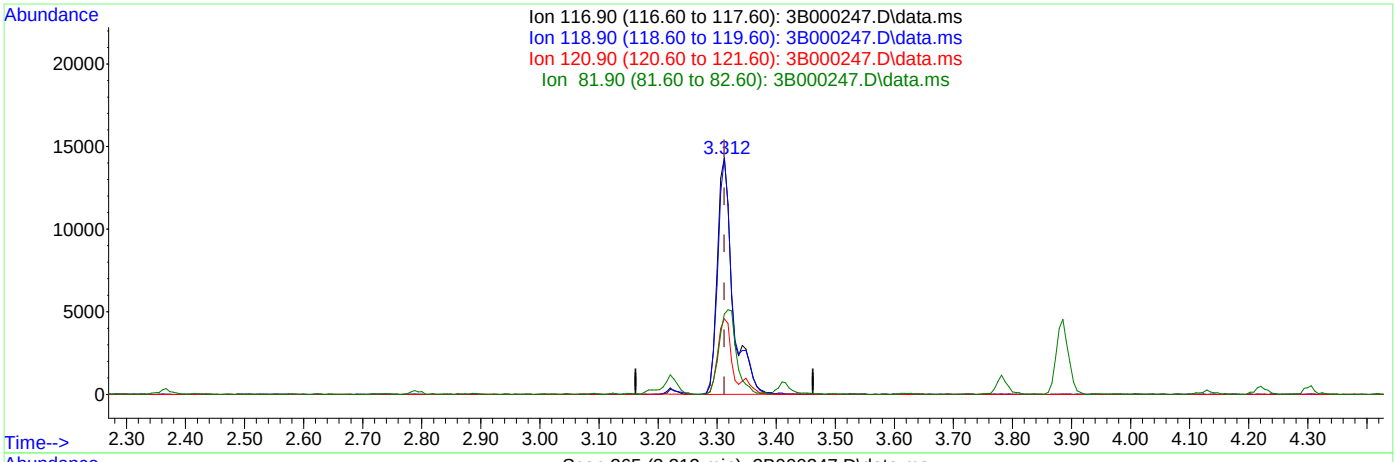
Sample Number: V3B13-IC13
Lab FileID: 3B000247.D
Injection Time: 09/24/24 12:34
Method: SW846 8260D
Analyst approved: 09/25/24 07:00 Neil Christiana
Supervisor approved: 09/25/24 07:51 Karen Watson

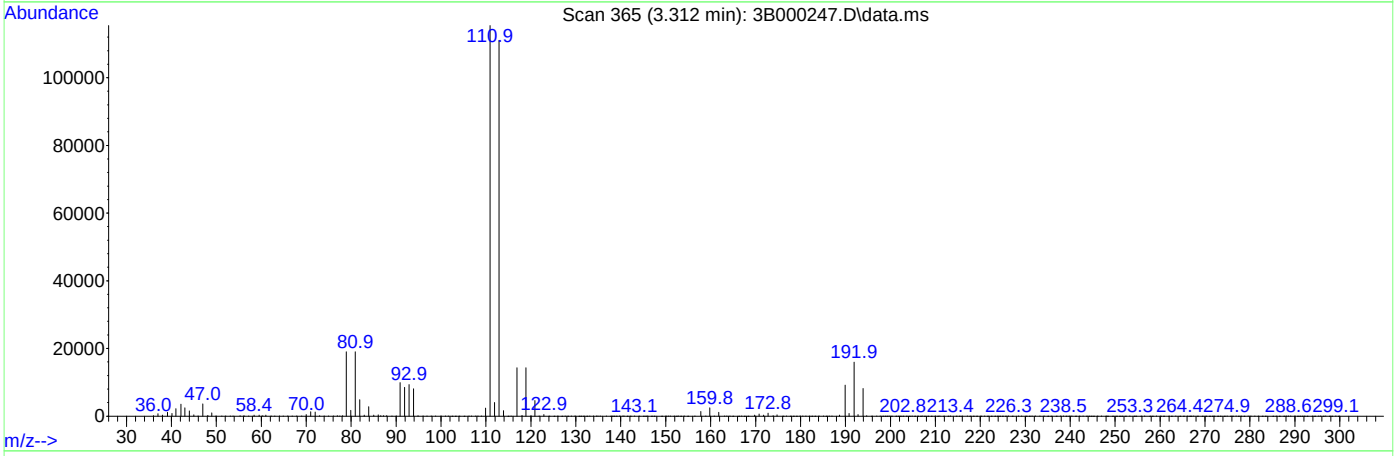
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.31	Overlapping peak
Isobutyl Alcohol	78-83-1		3.64	Poorly defined baseline
1-Chlorohexane	544-10-5		5.76	Poorly defined baseline
Ethylbenzene	100-41-4		5.79	Poorly defined baseline
1,4-Dichlorobenzene	106-46-7		7.52	Missed peak

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000247.D
Acq On : 24 Sep 2024 12:34 pm
Operator : davidb2
Sample : IC13-8 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 25 06:13:27 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000247.D\data.ms

(40) Carbon Tetrachloride ( )

3.312min (0.000) 2.11ug/L

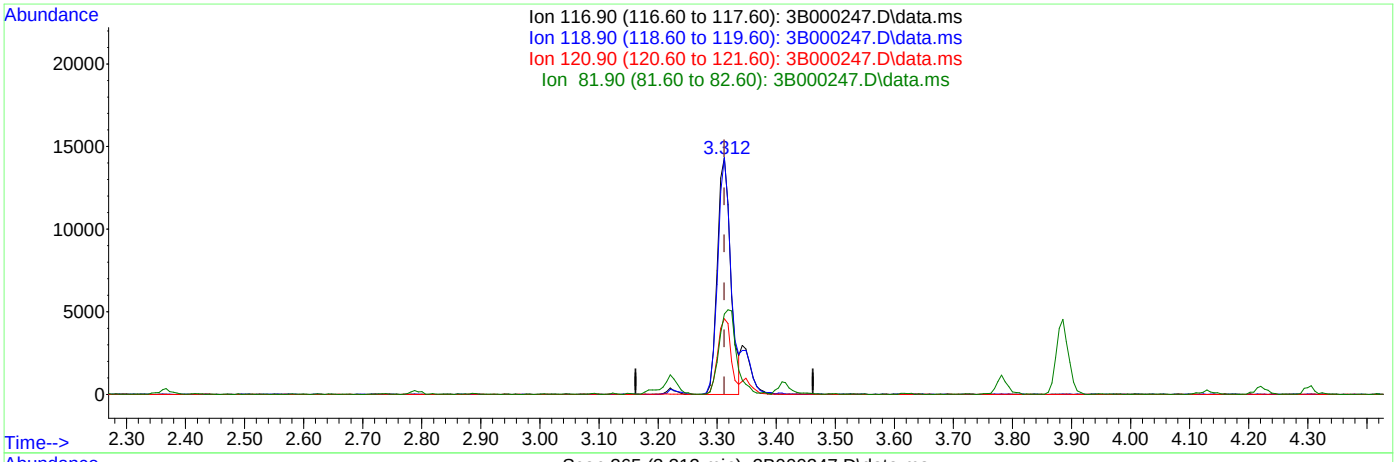
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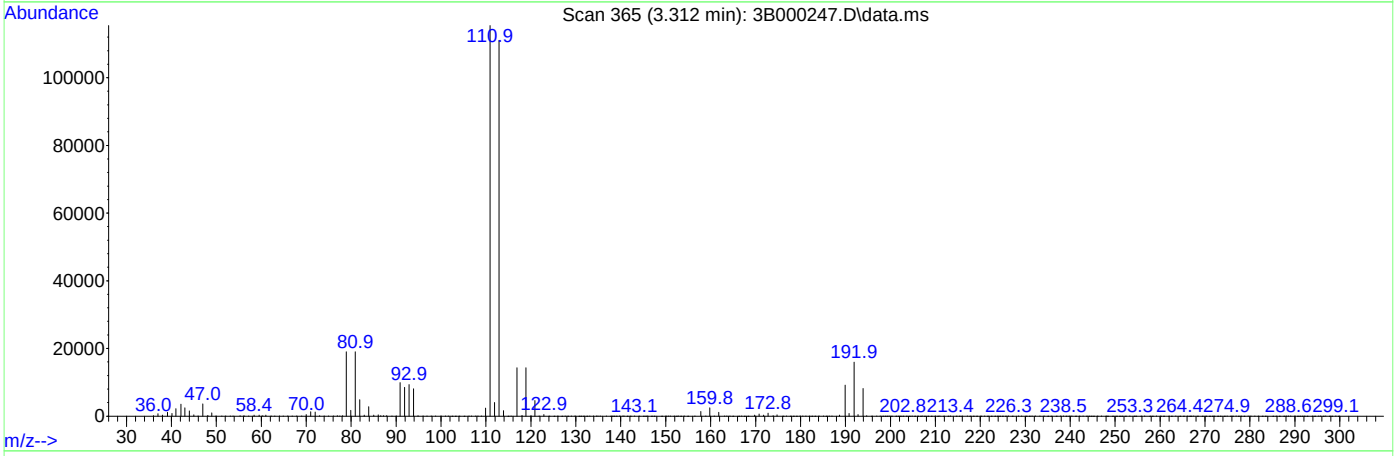
Ion	Exp%	Act%
116.90	100	100
118.90	94.70	100.05
120.90	29.70	32.05
81.90	27.10	33.84

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000247.D
Acq On : 24 Sep 2024 12:34 pm
Operator : davidb2
Sample : IC13-8 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 25 06:13:27 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000247.D\data.ms

(40) Carbon Tetrachloride ( )

3.312min (0.000) 1.82ug/L m

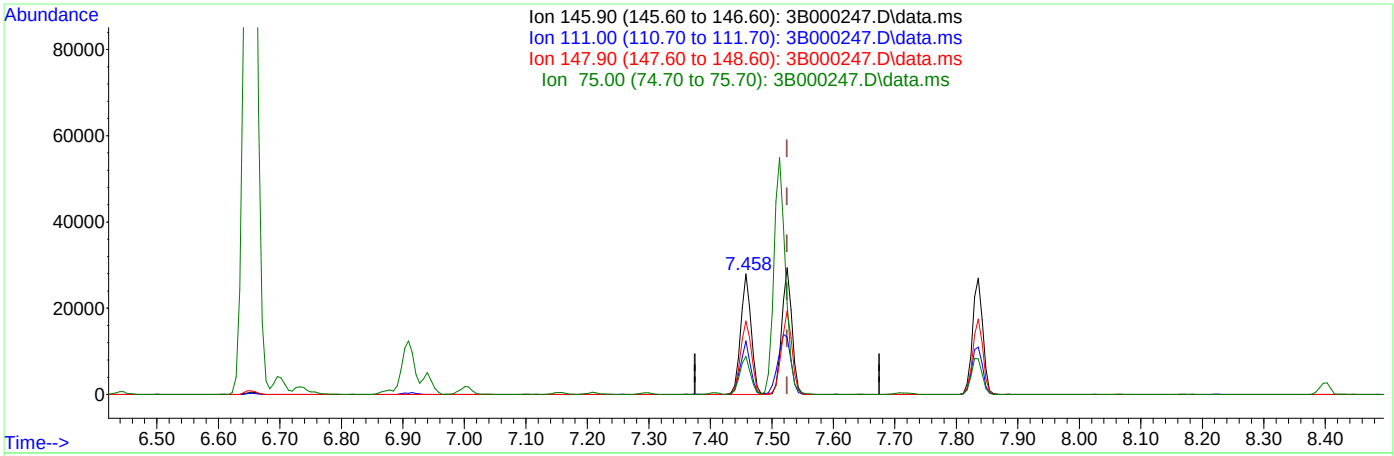
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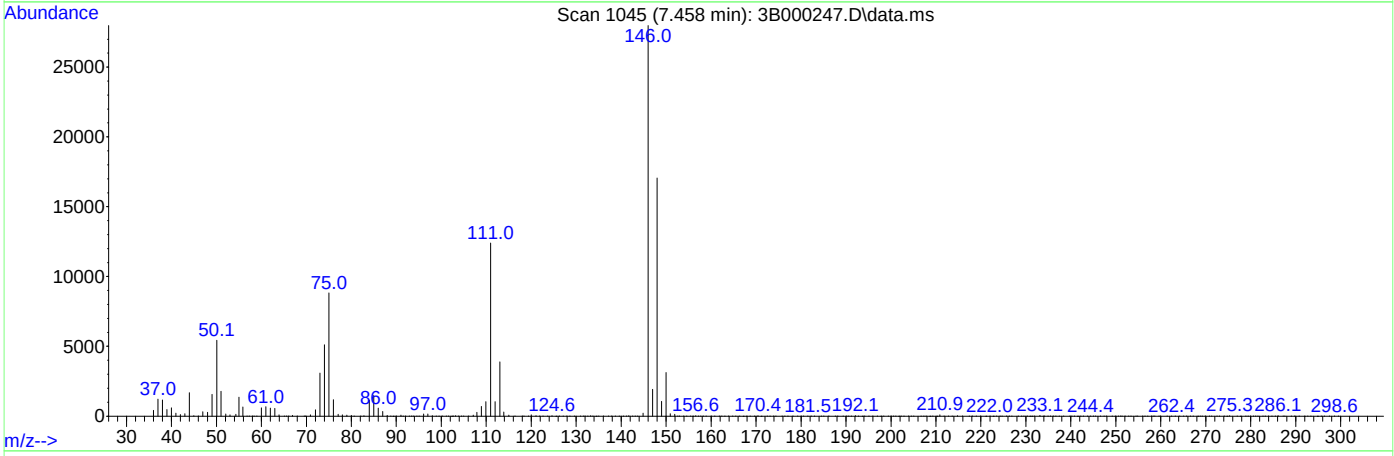
Ion	Exp%	Act%
116.90	100	100
118.90	94.70	100.10
120.90	29.70	32.05
81.90	27.10	33.97

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000247.D
Acq On : 24 Sep 2024 12:34 pm
Operator : davidb2
Sample : IC13-8 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 25 06:13:27 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000247.D\data.ms

(104) 1,4-Dichlorobenzene

7.458min (-0.067) 2.42ug/L

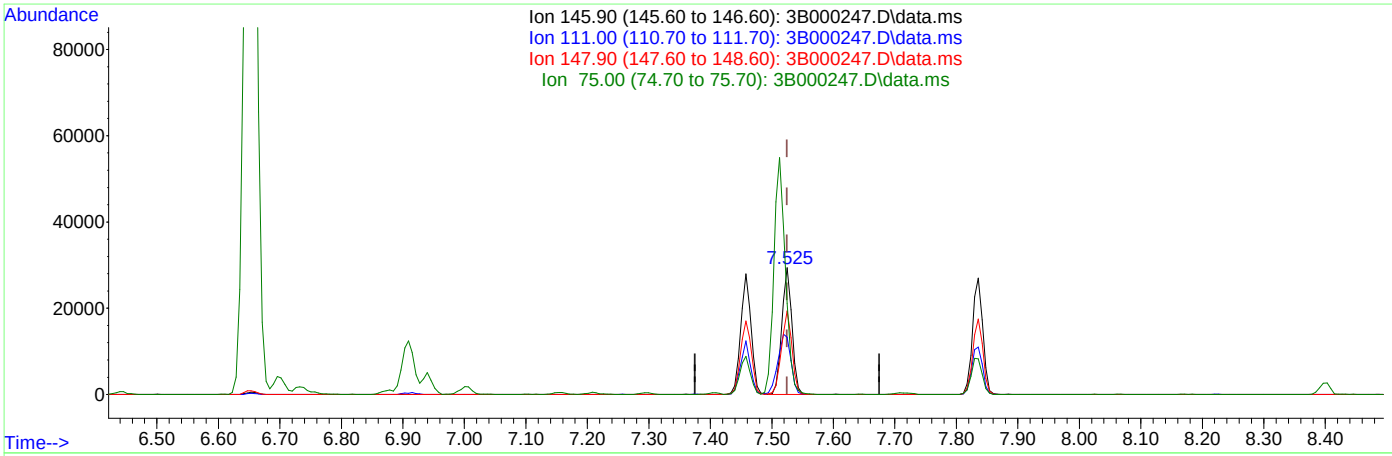
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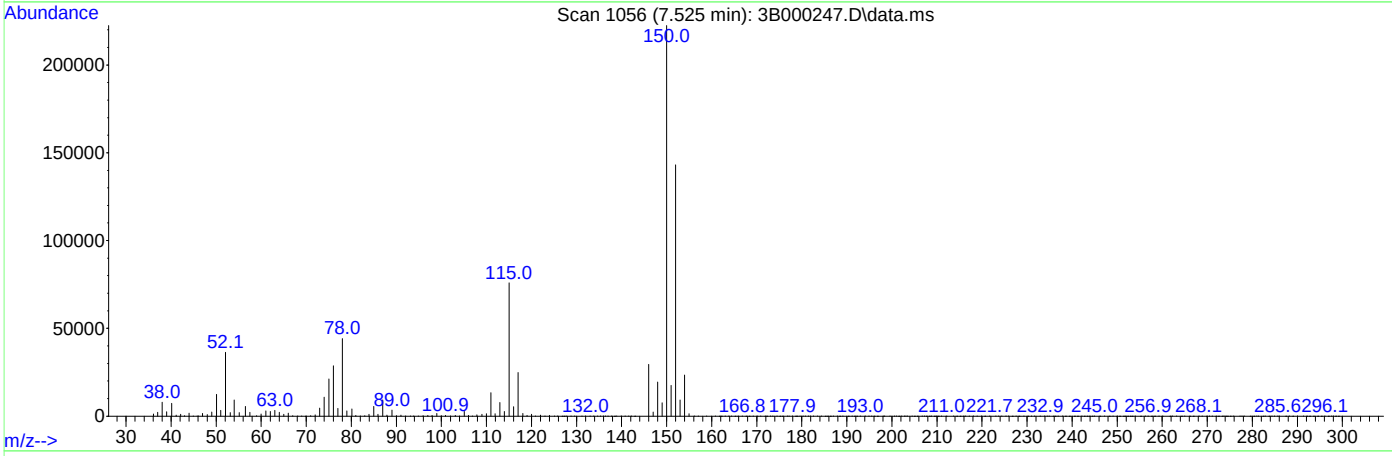
Ion	Exp%	Act%
145.90	100	100
111.00	39.50	44.24
147.90	63.90	60.86
75.00	31.50	31.44

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000247.D
Acq On : 24 Sep 2024 12:34 pm
Operator : davidb2
Sample : IC13-8 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 25 06:13:27 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000247.D\data.ms

(104) 1,4-Dichlorobenzene

7.525min (0.000) 2.45ug/L m

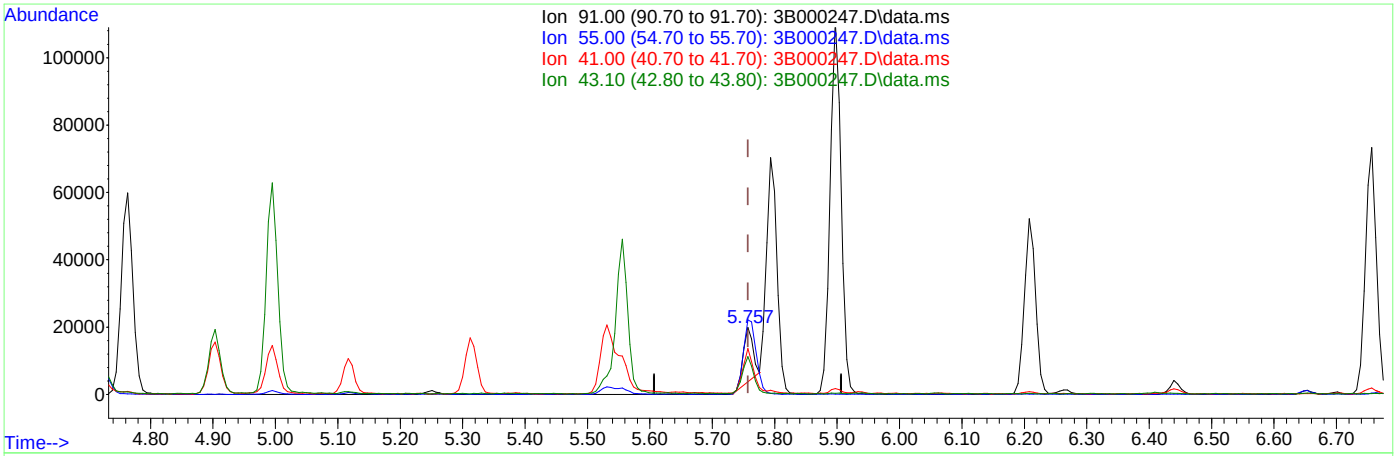
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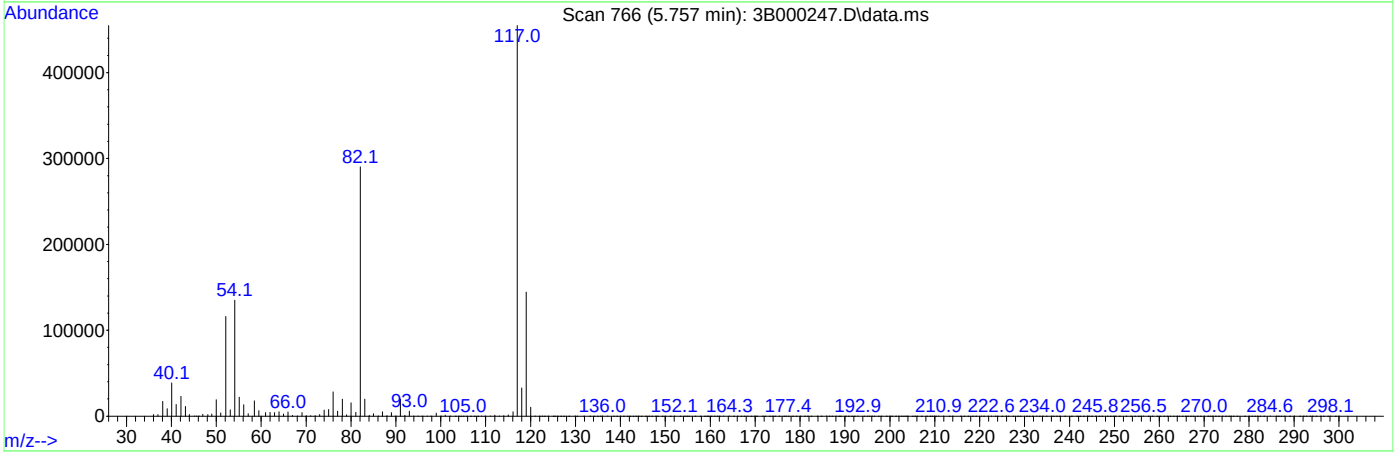
Ion	Exp%	Act%
145.90	100	100
111.00	39.50	45.22
147.90	63.90	65.80
75.00	31.50	71.84#

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000247.D
Acq On : 24 Sep 2024 12:34 pm
Operator : davidb2
Sample : IC13-8 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 25 06:13:27 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000247.D\data.ms

(76) 1-Chlorohexane

5.757min (0.000) 1.50ug/L

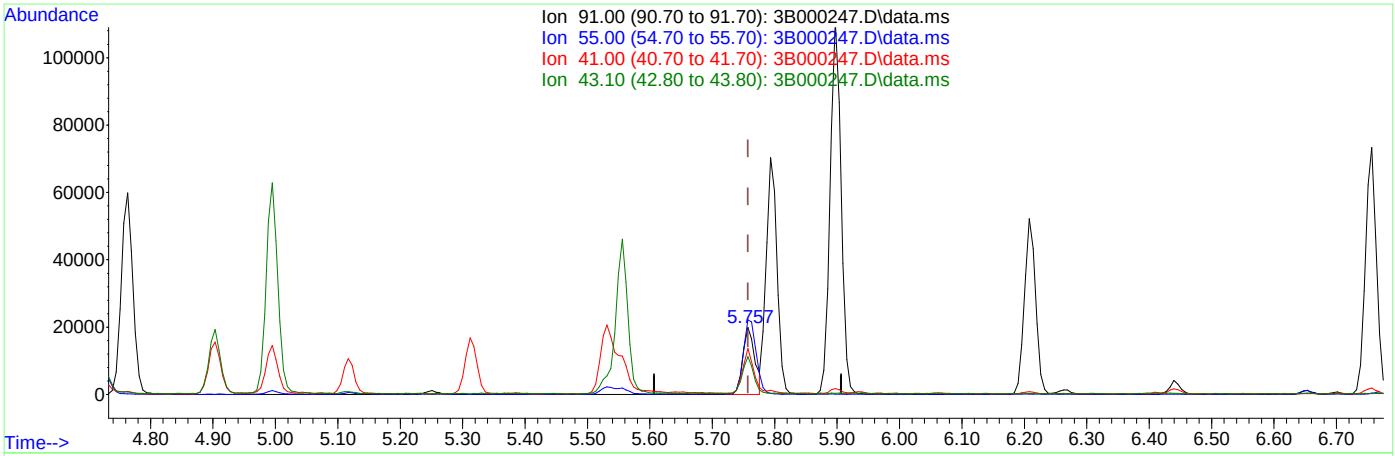
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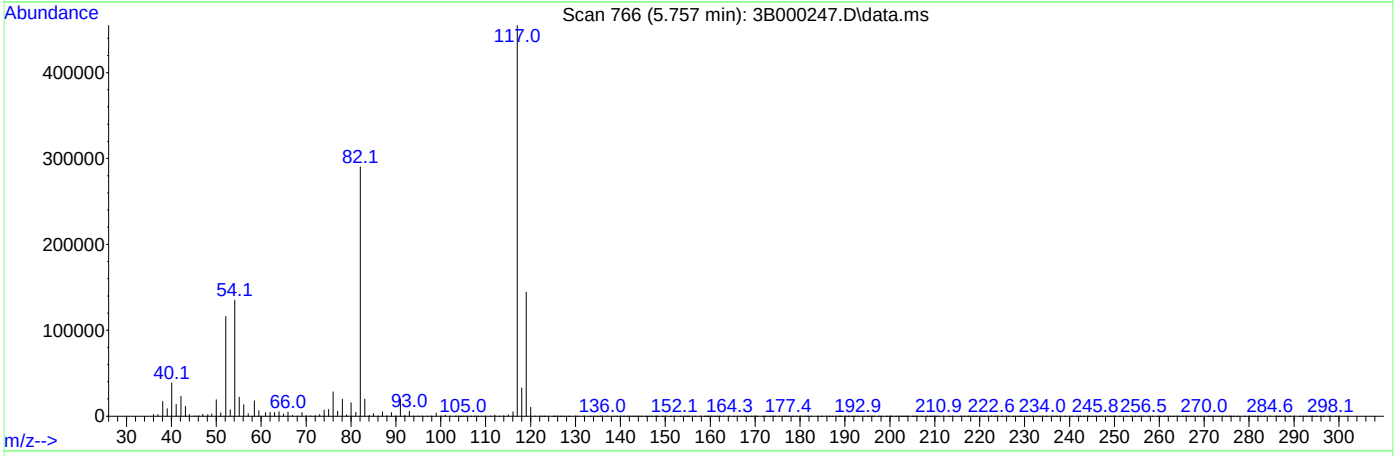
Ion	Exp%	Act%
91.00	100	100
55.00	72.90	111.19#
41.00	59.60	66.81
43.10	44.70	54.60

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000247.D
Acq On : 24 Sep 2024 12:34 pm
Operator : davidb2
Sample : IC13-8 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 25 06:13:27 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000247.D\data.ms

(76) 1-Chlorohexane

5.757min (0.000) 2.21ug/L m

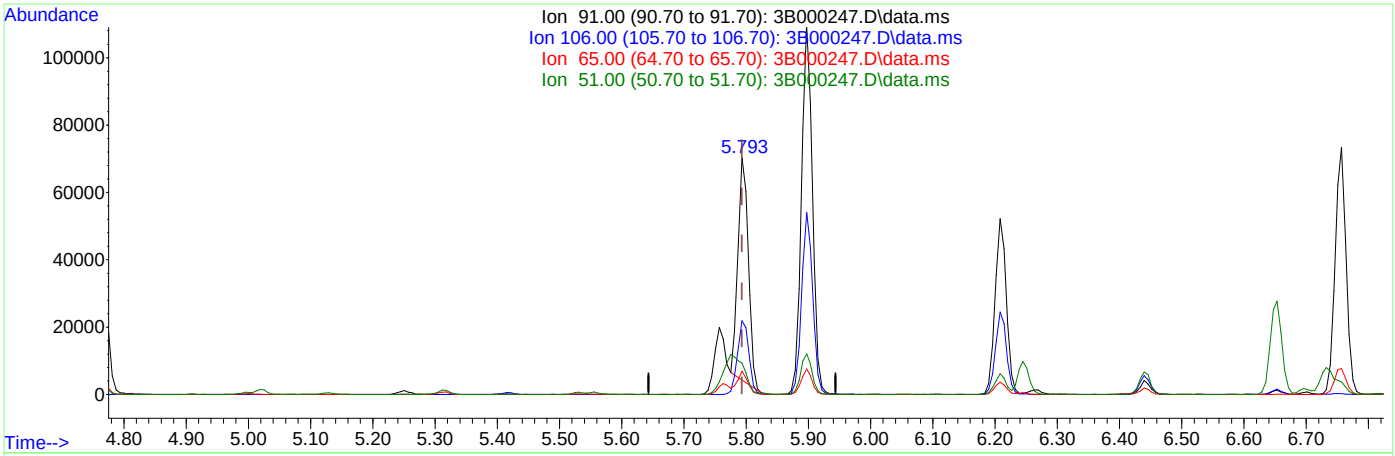
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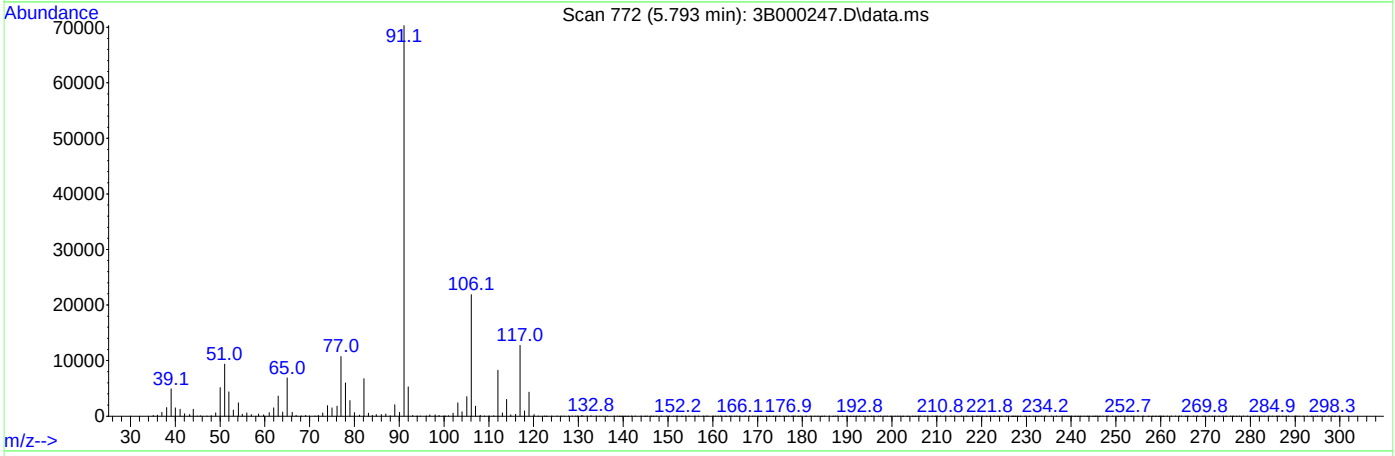
Ion	Exp%	Act%
91.00	100	100
55.00	72.90	111.23#
41.00	59.60	68.61
43.10	44.70	56.40

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000247.D
Acq On : 24 Sep 2024 12:34 pm
Operator : davidb2
Sample : IC13-8 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 25 06:13:27 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000247.D\data.ms

(77) Ethylbenzene

5.793min (0.000) 2.12ug/L

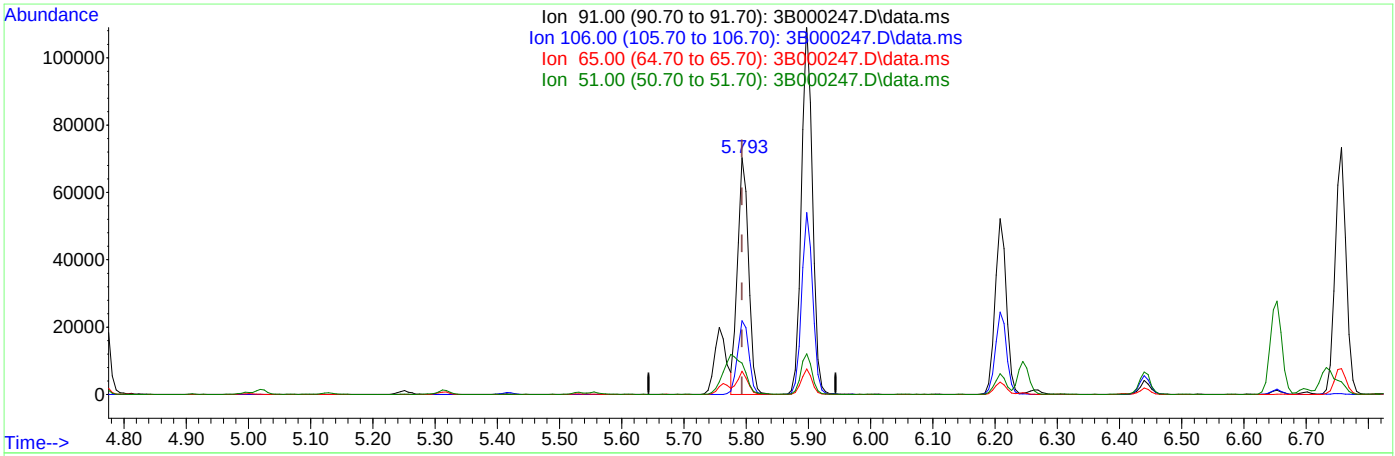
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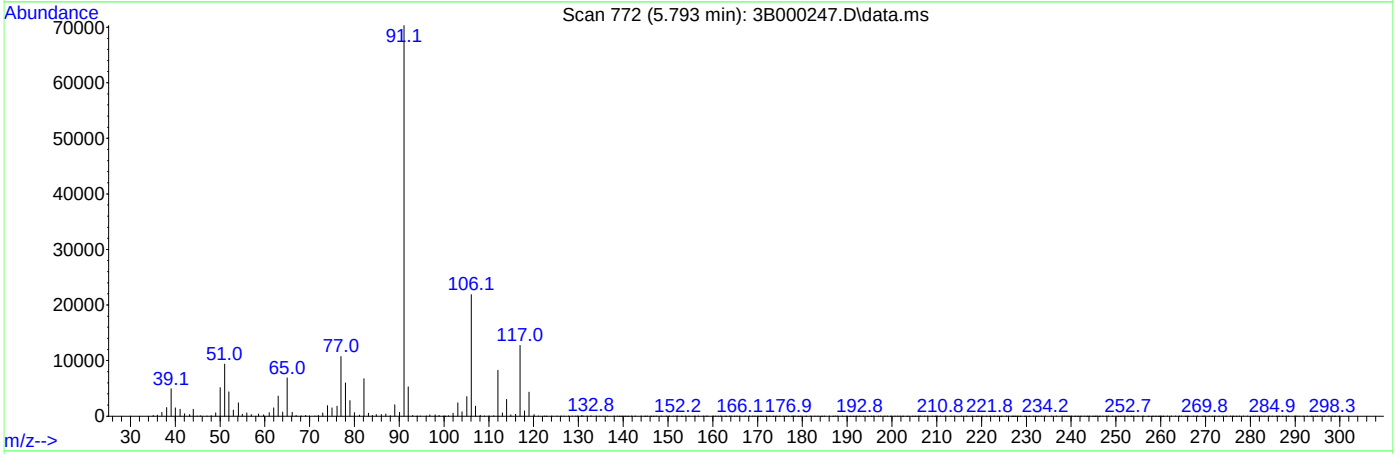
Ion	Exp%	Act%
91.00	100	100
106.00	30.40	30.95
65.00	9.00	9.70
51.00	10.80	12.99

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000247.D
Acq On : 24 Sep 2024 12:34 pm
Operator : davidb2
Sample : IC13-8 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 25 06:13:27 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000247.D\data.ms

(77) Ethylbenzene

5.793min (0.000) 2.42ug/L m

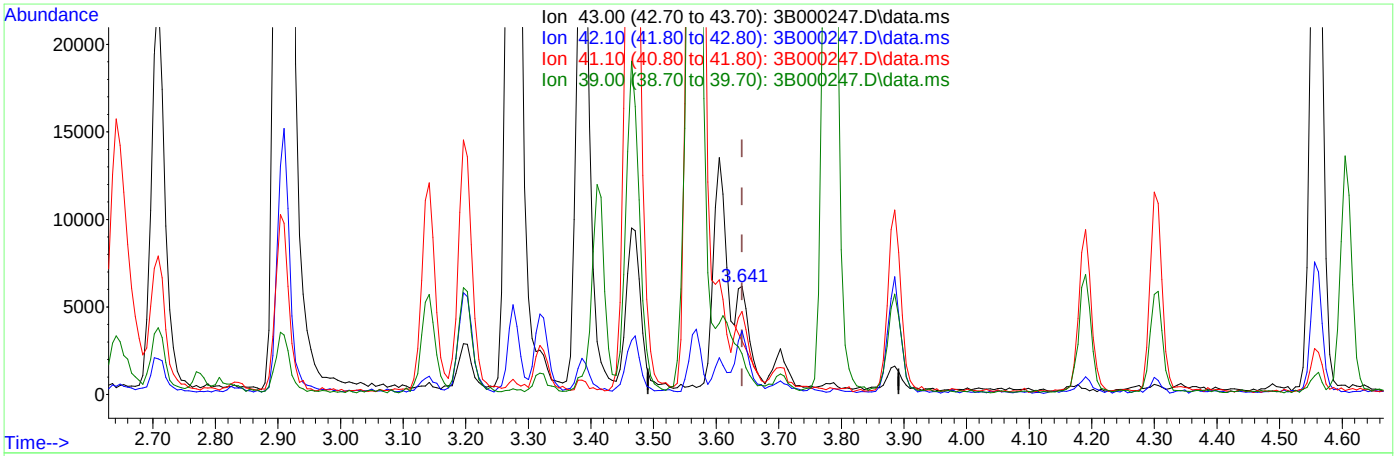
response 85846

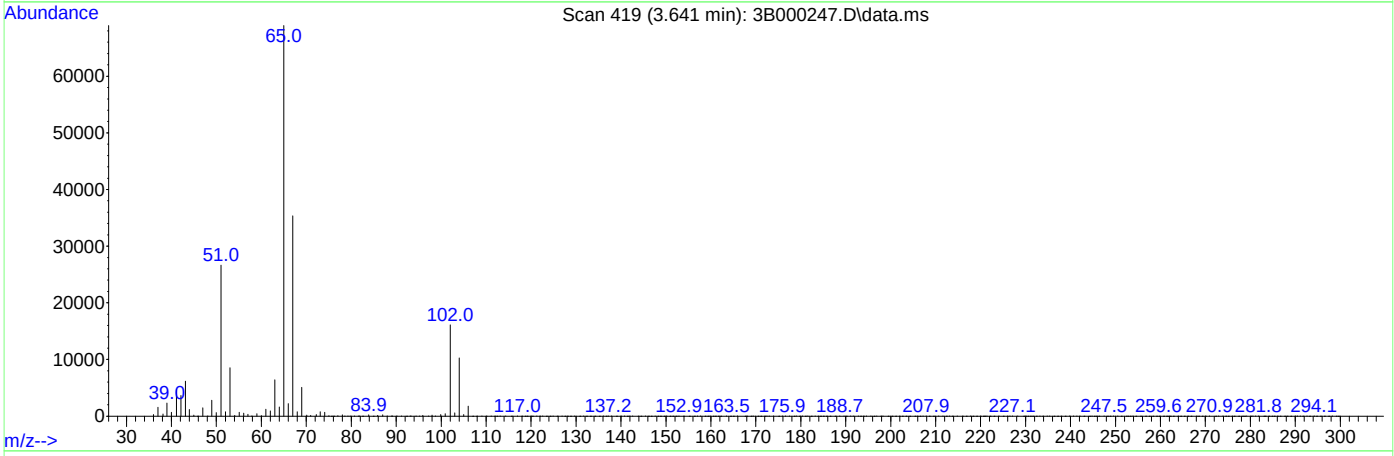
Ion	Exp%	Act%
91.00	100	100
106.00	30.40	31.10
65.00	9.00	9.82
51.00	10.80	13.31

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000247.D
Acq On : 24 Sep 2024 12:34 pm
Operator : davidb2
Sample : IC13-8 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 25 06:13:27 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000247.D\data.ms

(51) Isobutyl Alcohol

3.641min (0.000) 3.65ug/L

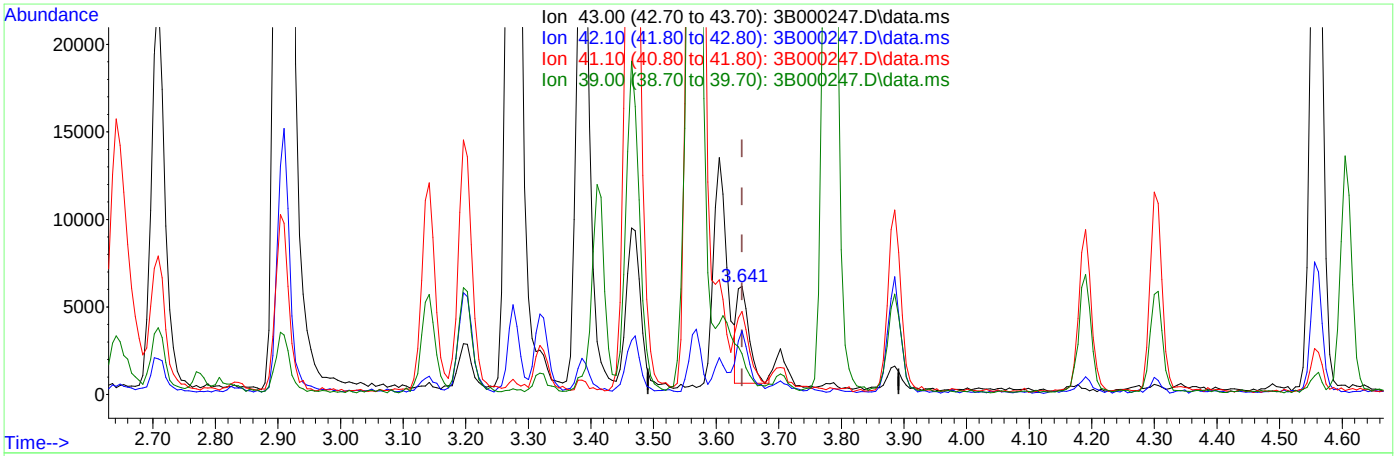
response 2886

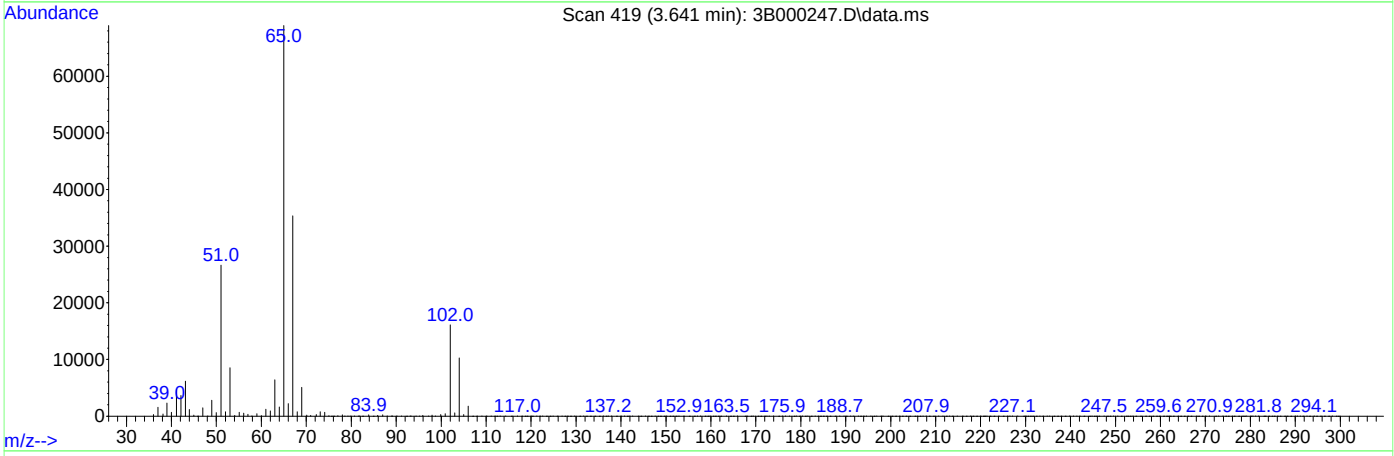
Ion	Exp%	Act%
43.00	100	100
42.10	33.00	61.30
41.10	49.00	70.73
39.00	31.10	36.73

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000247.D
Acq On : 24 Sep 2024 12:34 pm
Operator : davidb2
Sample : IC13-8 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 25 06:13:27 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000247.D\data.ms

(51) Isobutyl Alcohol

3.641min (0.000) 9.32ug/L m

response 7367

Ion	Exp%	Act%
43.00	100	100
42.10	33.00	58.85
41.10	49.00	76.73
39.00	31.10	37.62

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/25/24 07:51

Quantitation Report (QT Reviewed)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000248.D
Acq On : 24 Sep 2024 12:58 pm
Operator : davidb2
Sample : IC13-2 Inst : MSVOA22-3B
Misc : ms57558,V3B13,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 25 06:13:30 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	3.782	96	1697780	50.00	ug/L		0.00
62) Chlorobenzene-d5	5.763	117	1067366	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	7.513	152	515465	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	3.325	113	379577	38.73	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 77.46%#				
49) 1,2-Dichloroethane-d4	3.623	65	474697	41.32	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 82.64%				
63) Toluene-d8	4.727	98	1581148	54.28	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 108.56%				
86) 4-Bromofluorobenzene	6.653	174	397415	49.98	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.96%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.179	85	52641	5.18	ug/L		100
3) Chloromethane	1.331	50	49916	5.22	ug/L		98
4) 1,3-butadiene	1.380	39	45397	5.52	ug/L		97
5) Vinyl Chloride	1.368	62	48950	4.93	ug/L		100
6) Bromomethane	1.575	94	8754	1.46	ug/L		95
7) Chloroethane	1.648	64	17533	2.64	ug/L		98
8) Trichlorofluoromethane	1.739	101	42047	2.84	ug/L		97
9) Ethyl Ether	1.922	59	45233	6.69	ug/L		99
10) Ethanol	1.996	45	5218m	56.78	ug/L		
11) 1,2-Dichlorotrifluoroe...	2.026	67	54642	5.63	ug/L		90
12) 1,1-Dichloroethene	2.038	61	73488	6.28	ug/L		91
13) Freon 113	2.056	101	44134	5.68	ug/L		96
14) Carbon Disulfide	2.063	76	128277	5.34	ug/L		99
15) Iodomethane	2.124	142	19531	3.34	ug/L		90
16) Acrolein	2.221	56	41507	25.19	ug/L		97
17) Allyl chloride	2.300	41	76529	7.24	ug/L		84
18) Methylene Chloride	2.361	49	89982	7.96	ug/L		97
19) Acetone	2.386	43	77098	25.96	ug/L		95
20) Methyl acetate	2.447	43	238701	29.66	ug/L		96
21) trans-1,2-Dichloroethene	2.453	61	71293	6.24	ug/L		96
22) Hexane	2.495	56	50611	6.35	ug/L	#	86
23) Methyl Tert Butyl Ether	2.508	73	147589	6.83	ug/L	#	55
24) Acetonitrile	2.642	41	64797	54.73	ug/L		98
25) Tert Butyl Alcohol	2.544	59	64719	51.72	ug/L	#	50
26) Di-isopropyl ether	2.709	45	176454	7.45	ug/L		96
27) Chloroprene	2.806	53	128703	4.06	ug/L		84
28) 1,1-Dichloroethane	2.788	63	92261	6.15	ug/L		99
29) Acrylonitrile	2.806	52	86235	21.84	ug/L	#	74
30) ETBE	2.904	59	168707	7.30	ug/L		99
31) Vinyl acetate	2.910	43	630173	36.90	ug/L		96
32) cis-1,2-Dichloroethene	3.081	96	49819	5.70	ug/L		96
33) 2,2-Dichloropropane	3.142	77	69471	6.22	ug/L		99
34) Bromochloromethane	3.190	128	22593	5.05	ug/L		94
35) Cyclohexane	3.197	56	95846	6.73	ug/L		91
36) Chloroform	3.221	83	85194	5.42	ug/L		99
37) Ethyl acetate	2.910	43	632826	60.31	ug/L		68
38) Tetrahydrofuran	3.318	42	20861	5.67	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000248.D
Acq On : 24 Sep 2024 12:58 pm
Operator : davidb2
Sample : IC13-2 Inst : MSVOA22-3B
Misc : ms57558,V3B13,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 25 06:13:30 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
40) Carbon Tetrachloride	3.312	117	55569m	4.79	ug/L		
41) 1,1,1-Trichloroethane	3.349	97	69553	5.57	ug/L		97
42) 2-Butanone	3.386	43	147227	29.19	ug/L		99
43) 1,1-Dichloropropene	3.410	75	60766	6.26	ug/L		98
44) tert-Butyl formate	3.465	59	238656	46.36	ug/L		91
45) Propionitrile	3.556	54	91347	59.24	ug/L	#	1
46) Methacrylonitrile	3.568	41	394365	66.51	ug/L		96
47) Benzene	3.550	78	198173	6.13	ug/L		86
48) TAME	3.605	73	138063	6.94	ug/L	#	81
50) 1,2-Dichloroethane	3.660	62	66805	5.74	ug/L		98
51) Isobutyl Alcohol	3.642	43	29670m	39.63	ug/L		
52) Tert Amyl Alcohol	3.703	59	36168	38.96	ug/L		94
53) Trichloroethene	3.879	95	48506	5.43	ug/L		98
54) Methylcyclohexane	3.885	83	81520	5.74	ug/L		96
55) Dibromomethane	4.129	93	27648	4.80	ug/L		96
56) 1,2-Dichloropropane	4.190	63	52516	6.14	ug/L		97
57) Bromodichloromethane	4.221	83	57475	5.23	ug/L		98
58) Methyl methacrylate	4.300	41	45823	6.38	ug/L		89
59) 1,4-Dioxane	4.343	88	7765	96.39	ug/L		94
60) 2-Chloroethyl vinyl ether	4.556	63	196887	39.11	ug/L		92
61) cis-1,3-Dichloropropene	4.605	75	74754	6.37	ug/L		97
64) Toluene	4.763	91	197087	6.50	ug/L		97
65) 2-Nitropropane	4.562	41	8961	4.04	ug/L	#	1
66) 4-Methyl-2-pentanone	4.995	43	274729	31.52	ug/L		97
67) trans-1,3-Dichloropropene	4.605	75	74754	7.78	ug/L		99
68) Tetrachloroethene	5.013	166	48716	5.47	ug/L		98
69) Ethyl methacrylate	5.117	69	52017	6.24	ug/L		92
70) 1,1,2-Trichloroethane	5.129	83	36118	6.63	ug/L		96
71) Dibromochloromethane	5.251	129	37083	5.38	ug/L		96
72) 1,3-Dichloropropane	5.312	76	78149	7.39	ug/L		94
73) 1,2-Dibromoethane	5.416	107	43046	6.48	ug/L		95
74) 3,3-Dimethyl-1-Butanol	5.531	57	233951	220.36	ug/L		94
75) 2-hexanone	5.556	43	231735	27.37	ug/L	#	65
76) 1-Chlorohexane	5.757	91	66520m	5.79	ug/L		
77) Ethylbenzene	5.794	91	220818m	6.50	ug/L		
78) Chlorobenzene	5.775	112	119468	6.01	ug/L		91
79) 1,1,1,2-Tetrachloroethane	5.818	131	36896	5.86	ug/L		97
80) m,p-Xylene	5.897	91	338227	12.37	ug/L		96
81) o-Xylene	6.208	91	166662	5.97	ug/L		98
82) Styrene	6.245	104	124897	6.34	ug/L		97
83) Bromoform	6.263	173	21539	4.50	ug/L		96
84) Isopropylbenzene	6.440	105	196132	6.16	ug/L		99
87) cis-1,4-Dichloro-2-butene	6.696	53	18577	8.81	ug/L		88
88) n-Propylbenzene	6.757	91	229990	6.72	ug/L		100
89) Bromobenzene	6.732	156	44899	6.34	ug/L	#	75
90) 1,1,2,2-Tetrachloroethane	6.800	83	54718	6.97	ug/L		98
91) 1,3,5-Trimethylbenzene	6.903	105	163627	7.49	ug/L		98
92) 2-Chlorotoluene	6.873	91	154258	8.12	ug/L		99
93) trans-1,4-Dichloro-2-B...	6.940	53	15012	5.64	ug/L		92
94) 1,2,3-Trichloropropane	6.909	110	18460	8.07	ug/L		93
95) Cyclohexanone	6.940	55	8212	34.56	ug/L		86
96) 4-Chlorotoluene	7.001	91	145575	7.36	ug/L		93
97) tert-Butylbenzene	7.153	91	91727	7.01	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000248.D
Acq On : 24 Sep 2024 12:58 pm
Operator : davidb2
Sample : IC13-2 Inst : MSVOA22-3B
Misc : ms57558,V3B13,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 25 06:13:30 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration

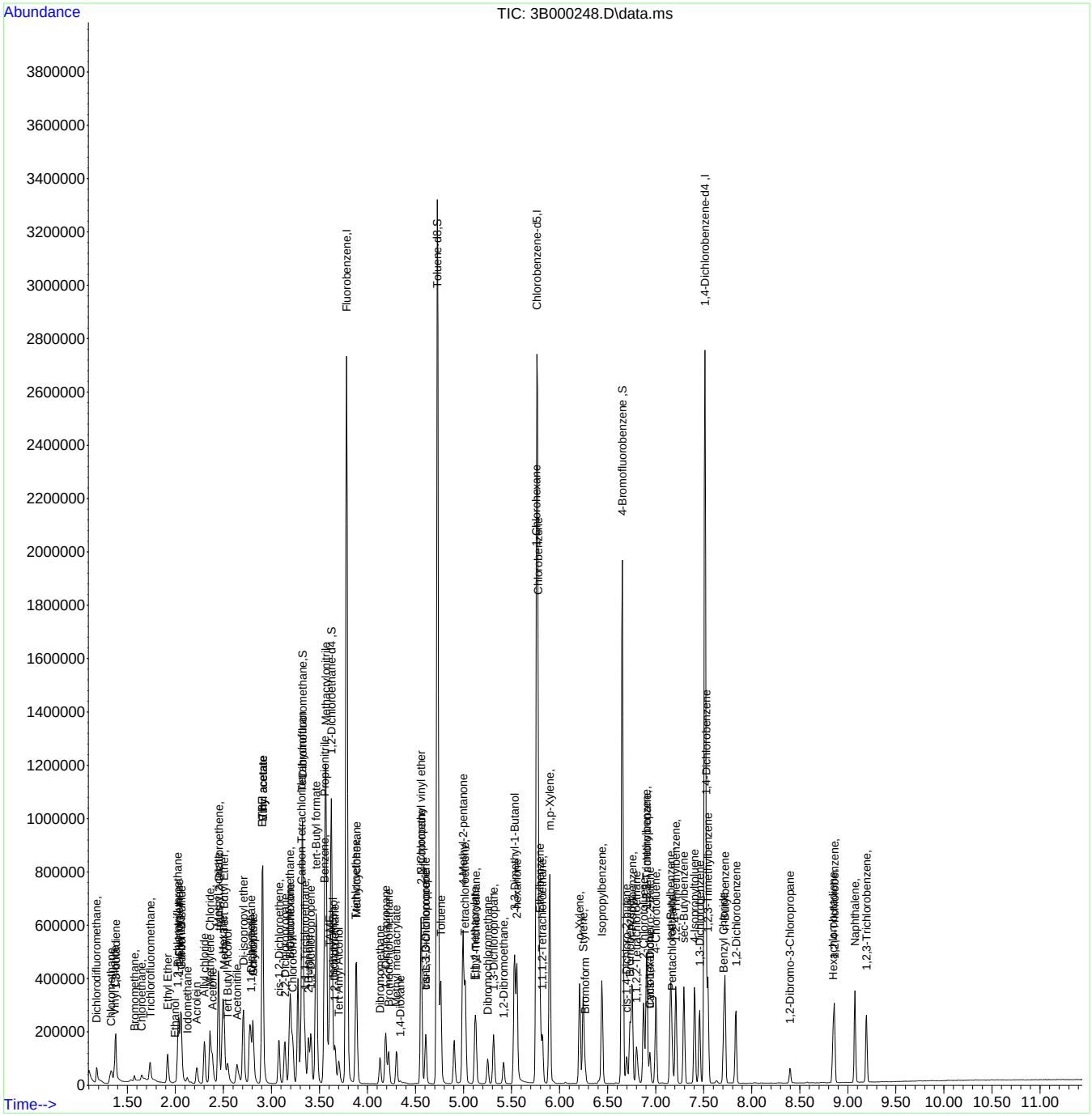
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
98)	1,2,4-Trimethylbenzene	7.208	105	160297	7.83	ug/L		98
99)	Pentachloroethane	7.171	167	18167	5.81	ug/L	#	1
100)	sec-Butylbenzene	7.293	105	192641	6.87	ug/L		99
101)	4-Isopropyltoluene	7.403	119	160154	6.96	ug/L		99
102)	1,3-Dichlorobenzene	7.458	146	83052	6.48	ug/L		98
103)	1,2,3-Trimethylbenzene	7.543	105	165123	7.88	ug/L		99
104)	1,4-Dichlorobenzene	7.525	146	84788	6.43	ug/L		92
105)	n-Butylbenzene	7.720	92	87131	8.20	ug/L		89
106)	Benzyl Chloride	7.708	126	19146	8.59	ug/L	#	59
107)	1,2-Dichlorobenzene	7.836	146	81235	6.81	ug/L		96
108)	1,2-Dibromo-3-Chloropr...	8.397	75	10134	6.90	ug/L	#	78
109)	Hexachlorobutadiene	8.848	225	19527	6.18	ug/L		89
110)	1,2,4-Trichlorobenzene	8.860	180	54015	8.29	ug/L		99
111)	Naphthalene	9.073	128	168287	10.01	ug/L		100
112)	1,2,3-Trichlorobenzene	9.195	180	52807	9.13	ug/L		97

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

Quantitation Report (QT Reviewed)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000248.D
Acq On : 24 Sep 2024 12:58 pm
Operator : davidb2
Sample : IC13-2 Inst : MSVOA22-3B
Misc : ms57558,V3B13,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 25 06:13:30 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: V3B13-IC13
Lab FileID: 3B000248.D
Injection Time: 09/24/24 12:58

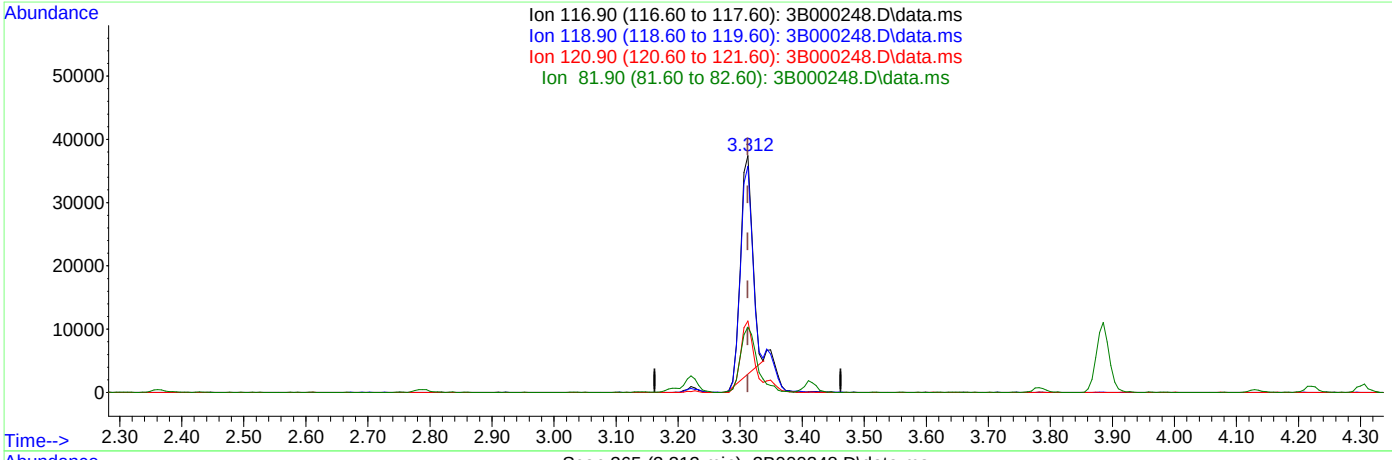
Method: SW846 8260D
Analyst approved: 09/25/24 07:00 Neil Christiana
Supervisor approved: 09/25/24 07:51 Karen Watson

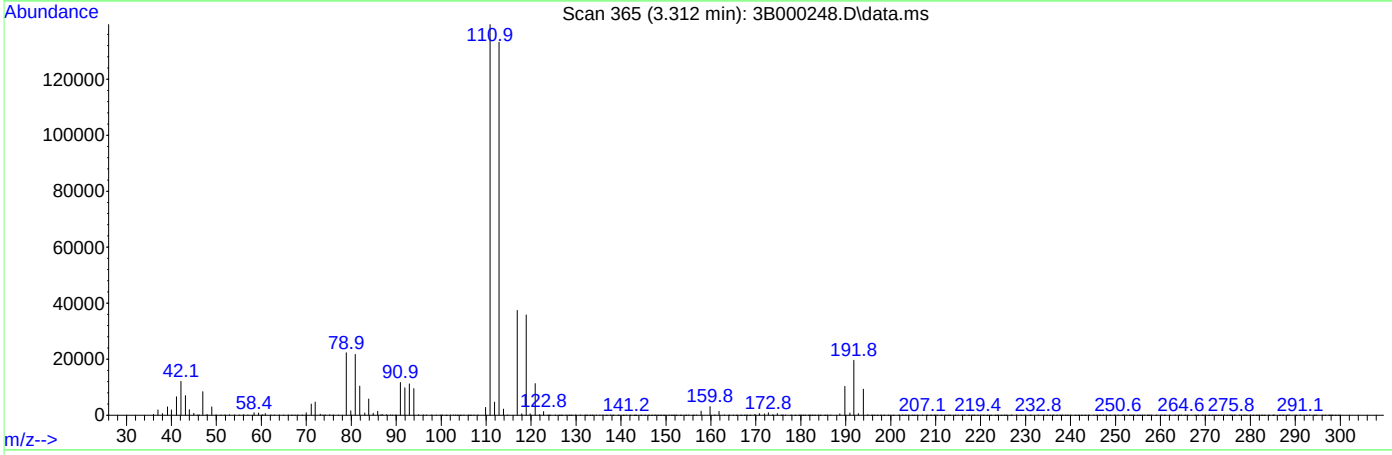
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		2.00	Poorly defined baseline
Carbon Tetrachloride	56-23-5		3.31	Overlapping peak
Isobutyl Alcohol	78-83-1		3.64	Poorly defined baseline
1-Chlorohexane	544-10-5		5.76	Poorly defined baseline
Ethylbenzene	100-41-4		5.79	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000248.D
Acq On : 24 Sep 2024 12:58 pm
Operator : davidb2
Sample : IC13-2 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 25 06:13:30 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000248.D\data.ms

(40) Carbon Tetrachloride ( )

3.312min (+0.000) 4.05ug/L

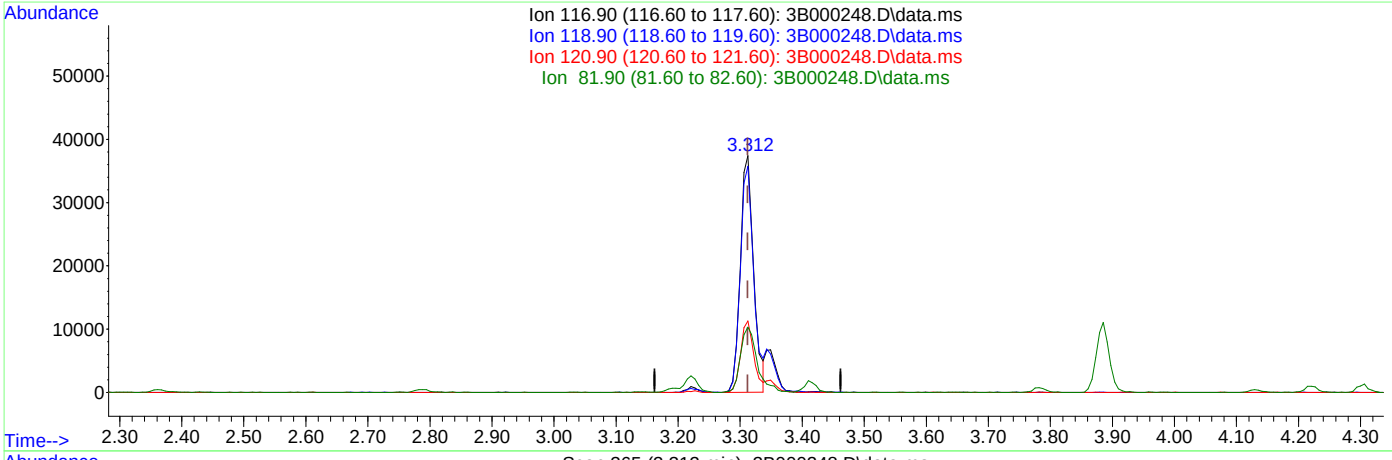
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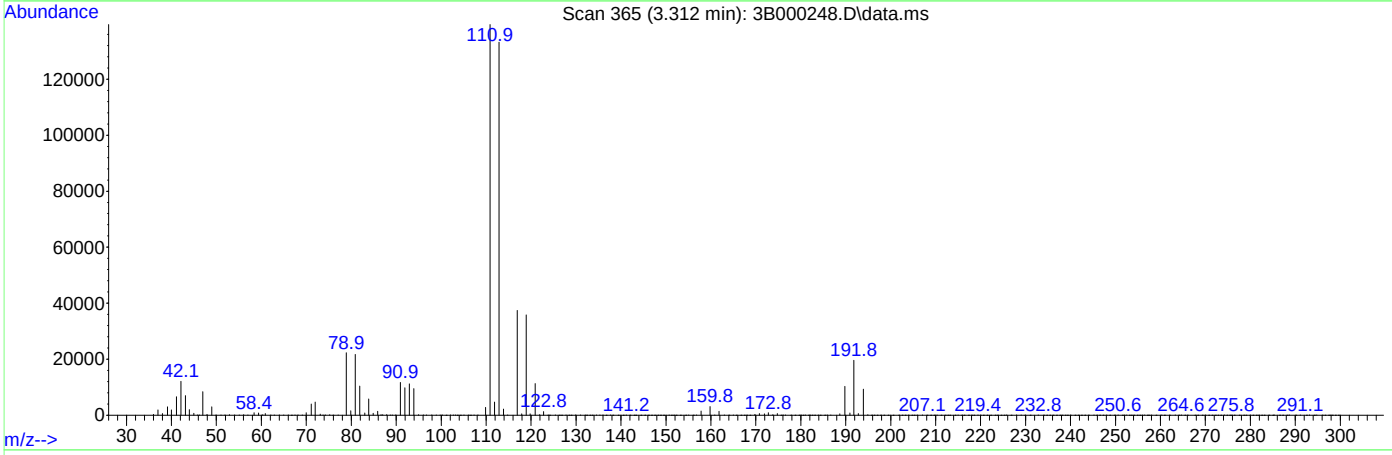
Ion	Exp%	Act%
116.90	100	100
118.90	94.70	95.73
120.90	29.70	30.34
81.90	27.10	27.36

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000248.D
Acq On : 24 Sep 2024 12:58 pm
Operator : davidb2
Sample : IC13-2 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 25 06:13:30 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000248.D\data.ms

(40) Carbon Tetrachloride ( )

3.312min (+0.000) 4.79ug/L m

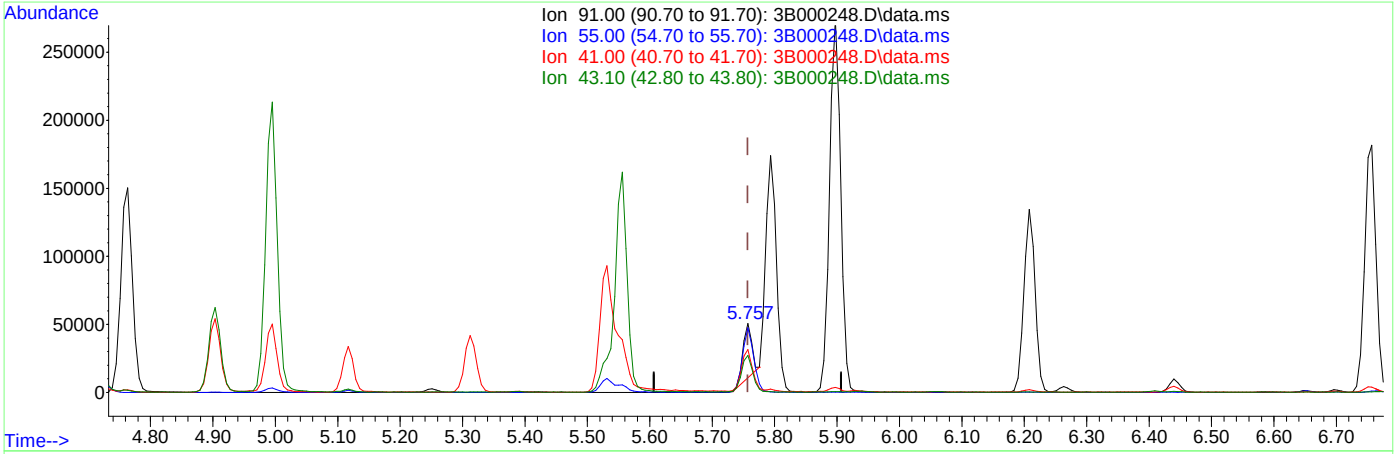
response 55569

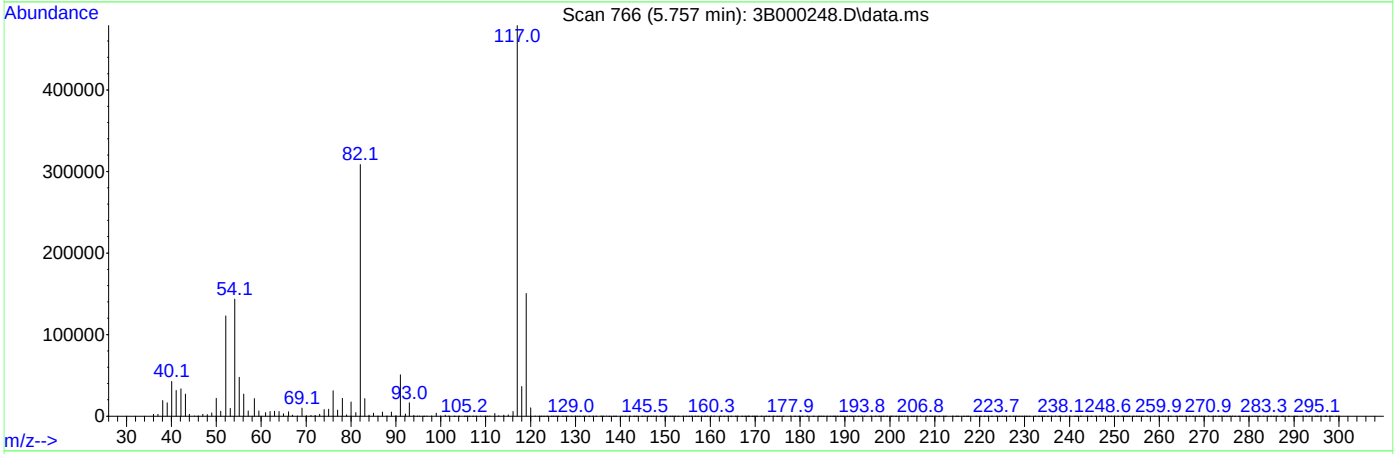
Ion	Exp%	Act%
116.90	100	100
118.90	94.70	95.55
120.90	29.70	30.13
81.90	27.10	27.60

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000248.D
Acq On : 24 Sep 2024 12:58 pm
Operator : davidb2
Sample : IC13-2 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 25 06:13:30 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000248.D\data.ms

(76) 1-Chlorohexane

5.757min (+0.000) 3.69ug/L

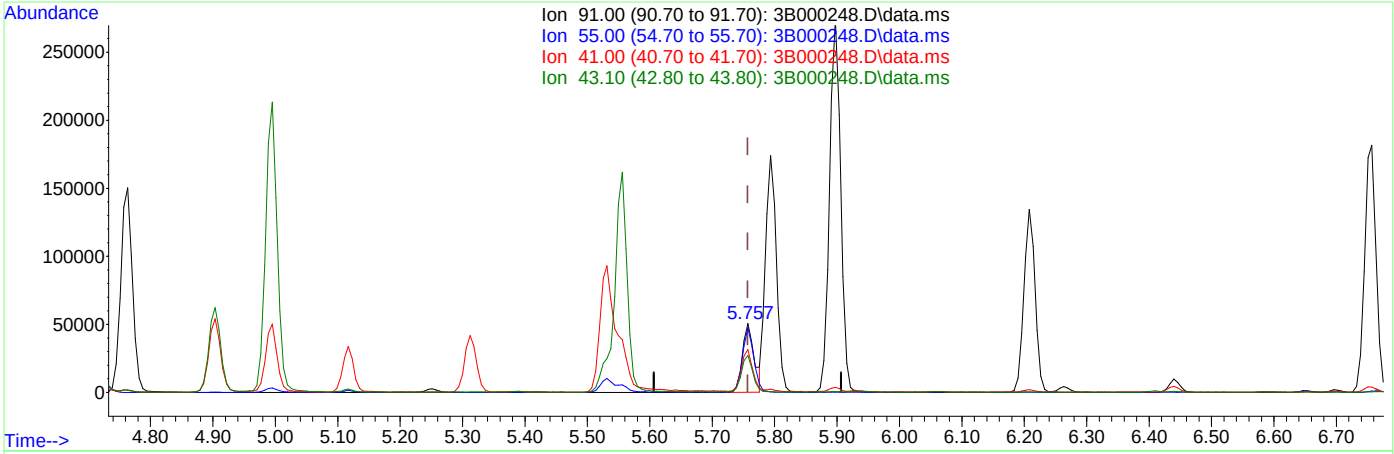
response 42385

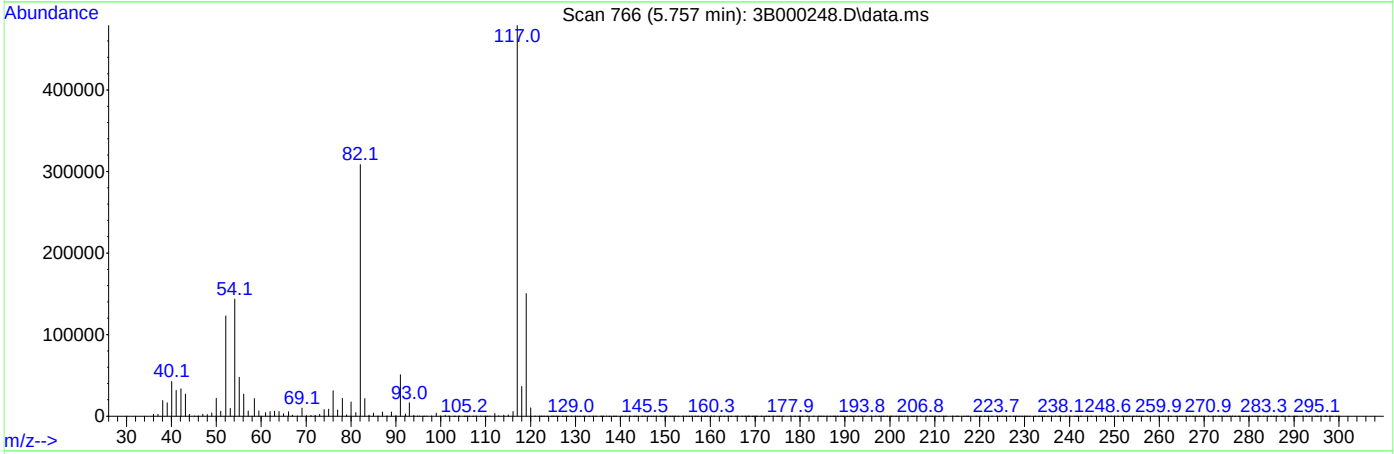
Ion	Exp%	Act%
91.00	100	100
55.00	72.90	93.61#
41.00	59.60	60.41
43.10	44.70	52.68

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000248.D
Acq On : 24 Sep 2024 12:58 pm
Operator : davidb2
Sample : IC13-2 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 25 06:13:30 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000248.D\data.ms

(76) 1-Chlorohexane

5.757min (+0.000) 5.79ug/L m

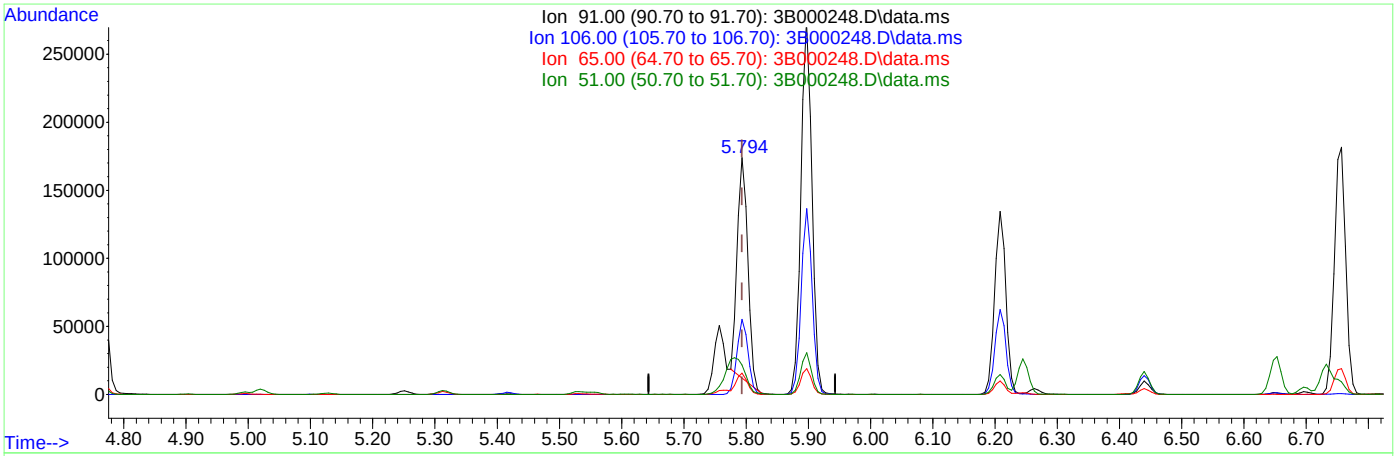
response 66520

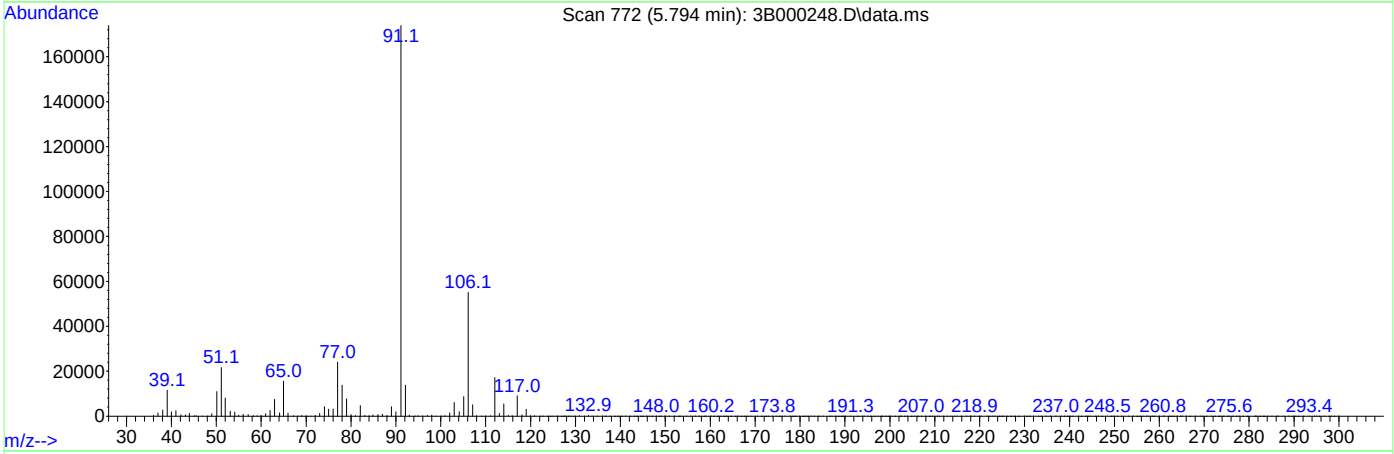
Ion	Exp%	Act%
91.00	100	100
55.00	72.90	93.95#
41.00	59.60	62.36
43.10	44.70	53.56

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000248.D
Acq On : 24 Sep 2024 12:58 pm
Operator : davidb2
Sample : IC13-2 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 25 06:13:30 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000248.D\data.ms

(77) Ethylbenzene

5.794min (+0.000) 5.44ug/L

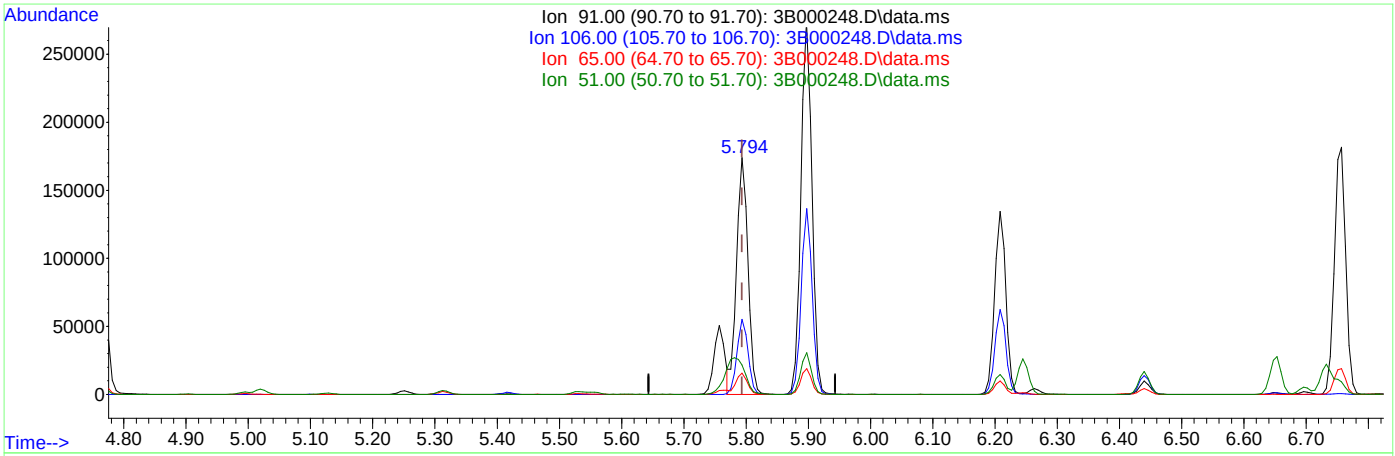
response 184993

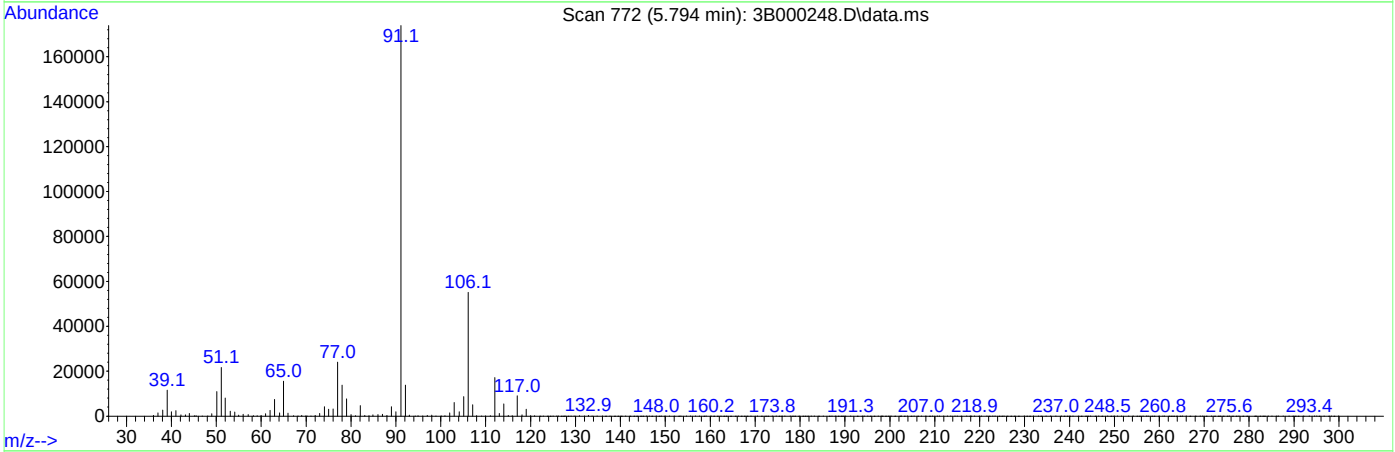
Ion	Exp%	Act%
91.00	100	100
106.00	30.40	31.67
65.00	9.00	8.95
51.00	10.80	12.09

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000248.D
Acq On : 24 Sep 2024 12:58 pm
Operator : davidb2
Sample : IC13-2 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 25 06:13:30 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000248.D\data.ms

(77) Ethylbenzene

5.794min (+0.000) 6.50ug/L m

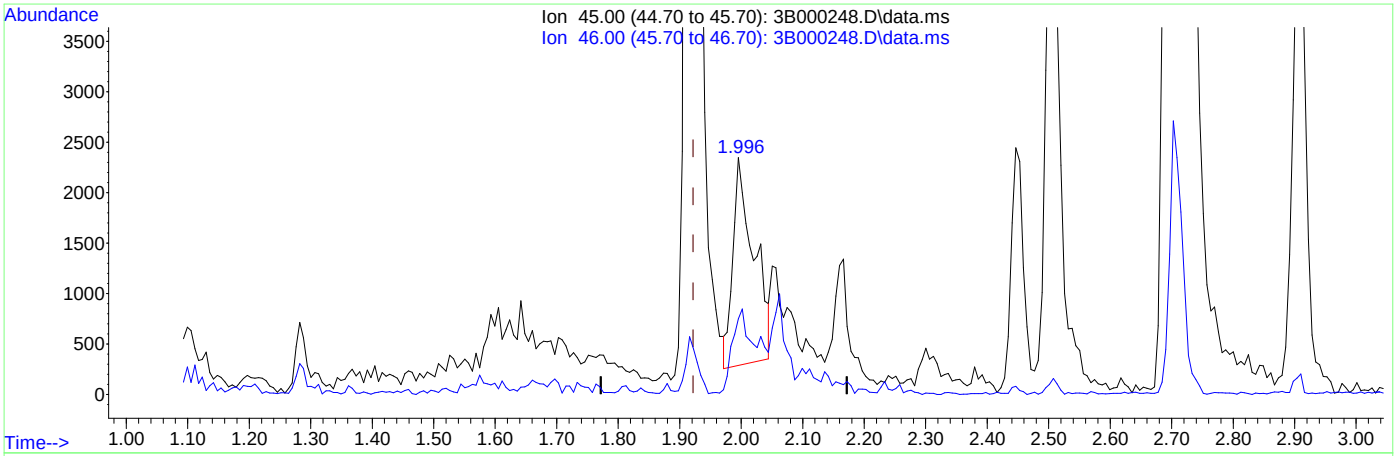
response 220818

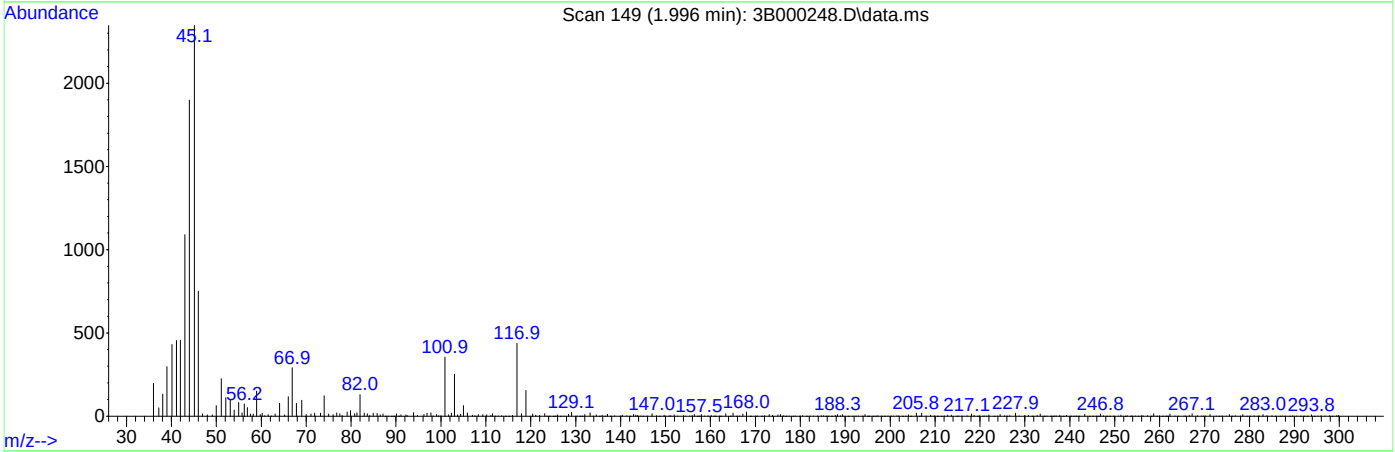
Ion	Exp%	Act%
91.00	100	100
106.00	30.40	31.67
65.00	9.00	8.97
51.00	10.80	12.43

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000248.D
Acq On : 24 Sep 2024 12:58 pm
Operator : davidb2
Sample : IC13-2 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 25 06:13:30 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000248.D\data.ms

(10) Ethanol

1.996min (+0.073) 52.62ug/L

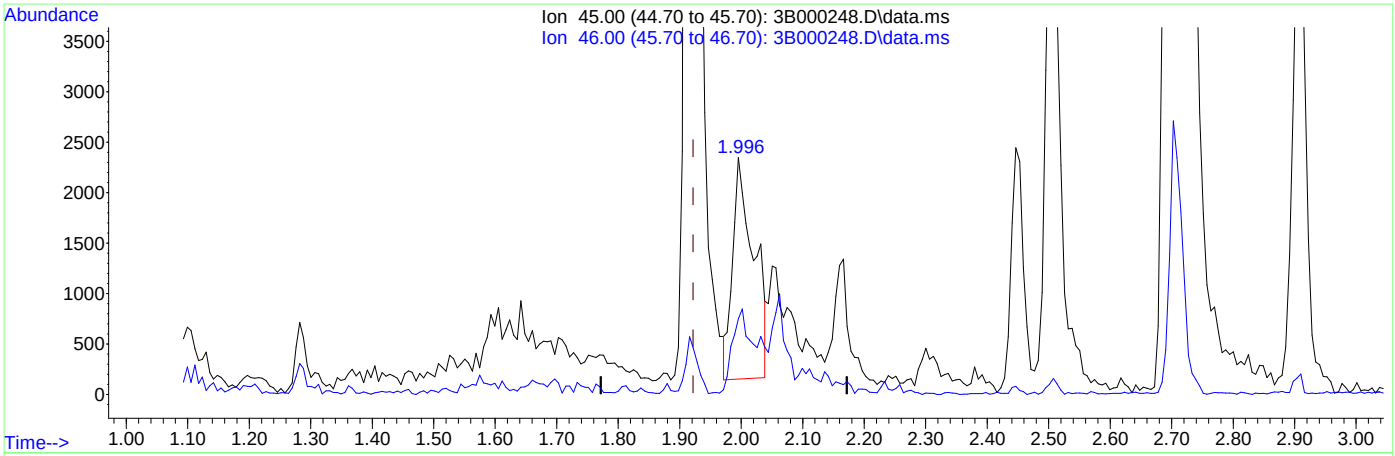
response 4837

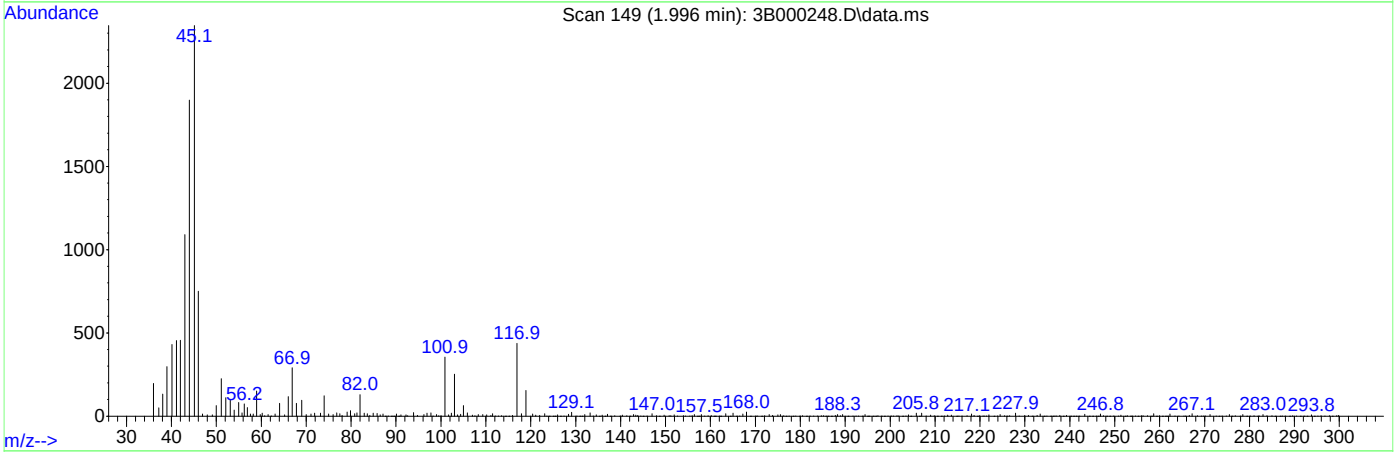
Ion	Exp%	Act%
45.00	100	100
46.00	40.60	39.71
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000248.D
Acq On : 24 Sep 2024 12:58 pm
Operator : davidb2
Sample : IC13-2 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 25 06:13:30 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000248.D\data.ms

(10) Ethanol

1.996min (+0.073) 56.78ug/L m

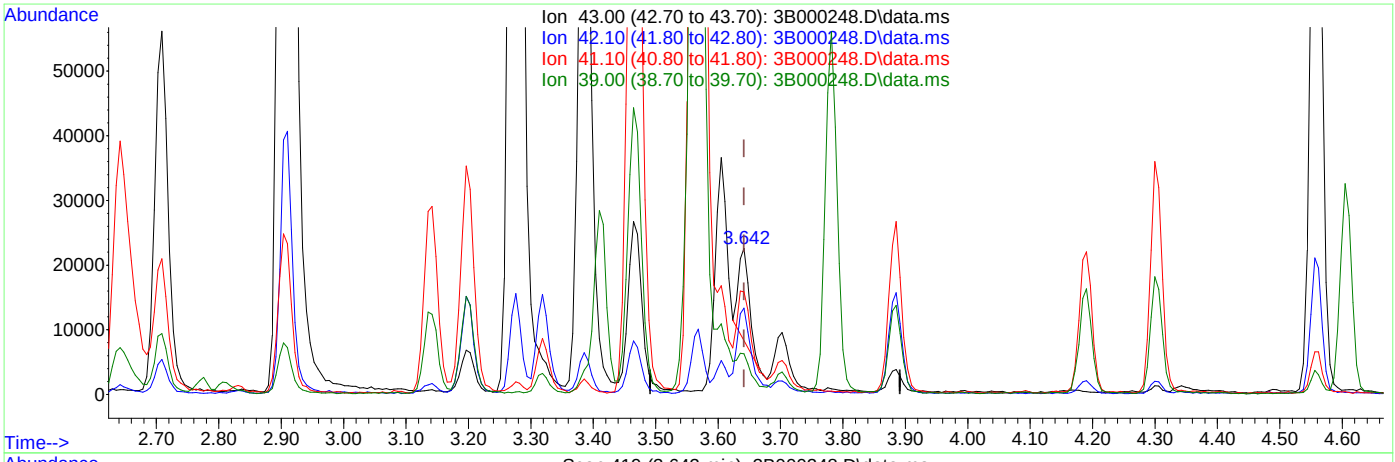
response 5218

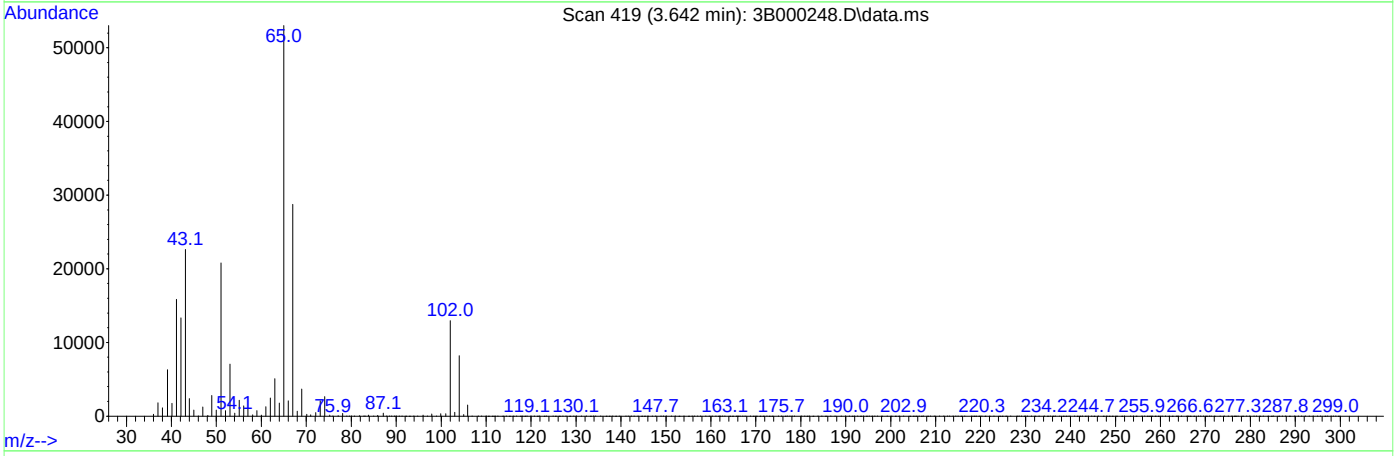
Ion	Exp%	Act%
45.00	100	100
46.00	40.60	31.96
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000248.D
Acq On : 24 Sep 2024 12:58 pm
Operator : davidb2
Sample : IC13-2 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 25 06:13:30 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000248.D\data.ms

(51) Isobutyl Alcohol

3.642min (+0.000) 20.44ug/L

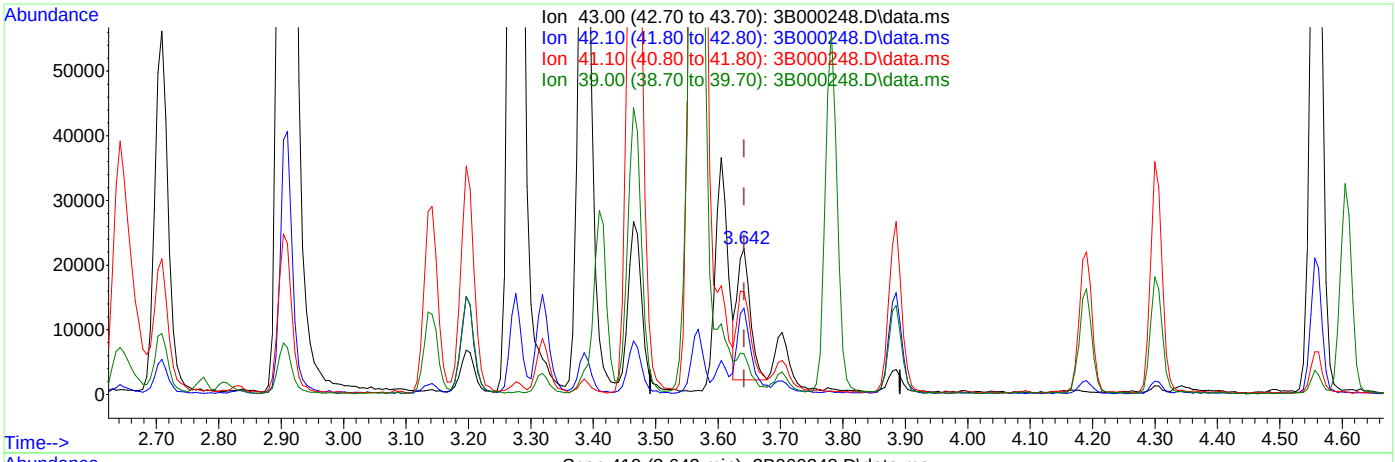
response 15301

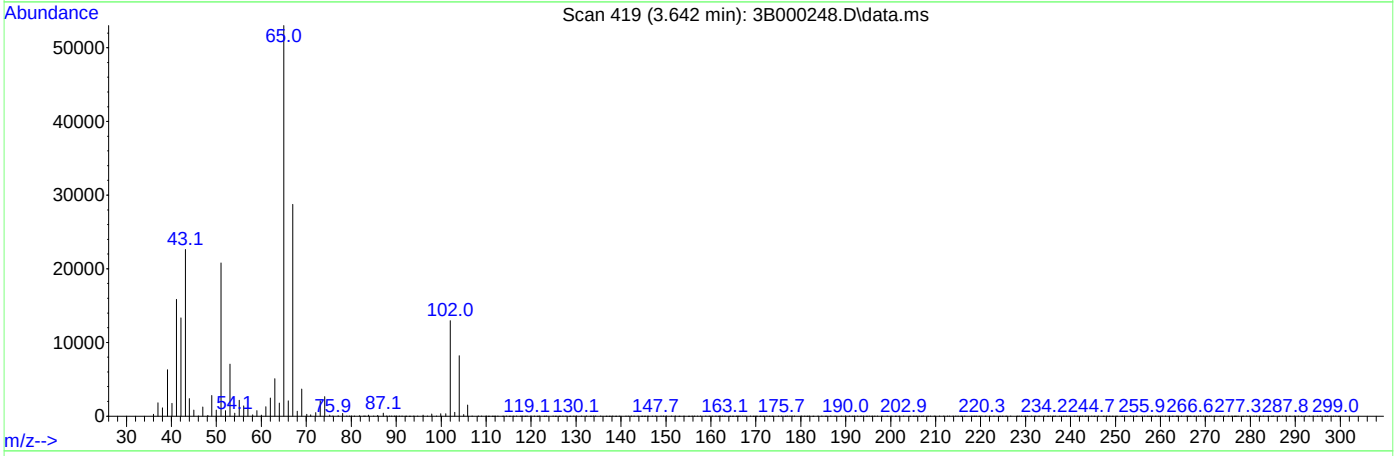
Ion	Exp%	Act%
43.00	100	100
42.10	33.00	59.31
41.10	49.00	66.84
39.00	31.10	27.05

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000248.D
Acq On : 24 Sep 2024 12:58 pm
Operator : davidb2
Sample : IC13-2 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 25 06:13:30 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000248.D\data.ms

(51) Isobutyl Alcohol

3.642min (+0.000) 39.63ug/L m

response 29670

Ion	Exp%	Act%
43.00	100	100
42.10	33.00	59.03
41.10	49.00	70.15
39.00	31.10	27.87

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/25/24 07:51

Quantitation Report (QT Reviewed)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000249.D
Acq On : 24 Sep 2024 01:21 pm
Operator : davidb2
Sample : IC13-3 Inst : MSVOA22-3B
Misc : ms57558,V3B13,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 25 06:13:33 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	3.782	96	1687391	50.00	ug/L		0.00
62) Chlorobenzene-d5	5.763	117	1053545	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	7.513	152	507749	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	3.325	113	376405	38.64	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 77.28%#				
49) 1,2-Dichloroethane-d4	3.623	65	471256	41.27	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 82.54%				
63) Toluene-d8	4.727	98	1570128	54.61	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 109.22%				
86) 4-Bromofluorobenzene	6.653	174	393233	50.21	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.42%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.185	85	102816	10.18	ug/L		97
3) Chloromethane	1.331	50	102172	10.75	ug/L		99
4) 1,3-butadiene	1.380	39	85898	10.51	ug/L		95
5) Vinyl Chloride	1.368	62	96036	9.74	ug/L		95
6) Bromomethane	1.575	94	19002	3.19	ug/L		99
7) Chloroethane	1.654	64	35521	5.38	ug/L		96
8) Trichlorofluoromethane	1.740	101	85353	5.79	ug/L		99
9) Ethyl Ether	1.922	59	85401	12.71	ug/L		97
10) Ethanol	2.002	45	10255m	112.52	ug/L		
11) 1,2-Dichlorotrifluoroe...	2.026	67	98853	10.26	ug/L		91
12) 1,1-Dichloroethene	2.038	61	134631	11.58	ug/L		93
13) Freon 113	2.057	101	78488	10.17	ug/L		95
14) Carbon Disulfide	2.063	76	232231	9.73	ug/L		99
15) Iodomethane	2.124	142	39104	6.67	ug/L		91
16) Acrolein	2.221	56	75865	46.33	ug/L		97
17) Allyl chloride	2.300	41	144900	13.80	ug/L		84
18) Methylene Chloride	2.361	49	150849	13.42	ug/L		100
19) Acetone	2.386	43	140473	47.60	ug/L		99
20) Methyl acetate	2.447	43	441294	55.18	ug/L		97
21) trans-1,2-Dichloroethene	2.453	61	130259	11.46	ug/L		94
22) Hexane	2.495	56	91304	11.53	ug/L	#	86
23) Methyl Tert Butyl Ether	2.508	73	272097	12.68	ug/L	#	56
24) Acetonitrile	2.642	41	113471	97.71	ug/L		99
25) Tert Butyl Alcohol	2.544	59	105458	84.80	ug/L	#	49
26) Di-isopropyl ether	2.709	45	328817	13.97	ug/L		96
27) Chloroprene	2.806	53	229562	7.29	ug/L		84
28) 1,1-Dichloroethane	2.788	63	171039	11.47	ug/L		98
29) Acrylonitrile	2.806	52	151910	38.71	ug/L	#	74
30) ETBE	2.904	59	313412	13.65	ug/L		99
31) Vinyl acetate	2.910	43	1163643	68.55	ug/L		96
32) cis-1,2-Dichloroethene	3.081	96	90305	10.39	ug/L		96
33) 2,2-Dichloropropane	3.142	77	126952	11.44	ug/L		100
34) Bromochloromethane	3.190	128	42949	9.66	ug/L		93
35) Cyclohexane	3.197	56	177086	12.51	ug/L		92
36) Chloroform	3.221	83	156204	10.00	ug/L		99
37) Ethyl acetate	2.910	43	1169413	112.13	ug/L		68
38) Tetrahydrofuran	3.318	42	37614	10.29	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000249.D
Acq On : 24 Sep 2024 01:21 pm
Operator : davidb2
Sample : IC13-3 Inst : MSVOA22-3B
Misc : ms57558,V3B13,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 25 06:13:33 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
40) Carbon Tetrachloride	3.312	117	102933m	8.92	ug/L		
41) 1,1,1-Trichloroethane	3.349	97	128905	10.40	ug/L		98
42) 2-Butanone	3.386	43	258622	51.59	ug/L		97
43) 1,1-Dichloropropene	3.410	75	109574	11.35	ug/L		96
44) tert-Butyl formate	3.465	59	442644	86.52	ug/L		91
45) Propionitrile	3.556	54	163980	107.00	ug/L	#	1
46) Methacrylonitrile	3.568	41	729452	123.77	ug/L		96
47) Benzene	3.550	78	361980	11.27	ug/L		85
48) TAME	3.605	73	254034	12.85	ug/L	#	81
50) 1,2-Dichloroethane	3.660	62	123186	10.66	ug/L		98
51) Isobutyl Alcohol	3.636	43	58351m	78.41	ug/L		
52) Tert Amyl Alcohol	3.703	59	57607	62.44	ug/L		90
53) Trichloroethene	3.879	95	89502	10.09	ug/L		98
54) Methylcyclohexane	3.885	83	150944	10.70	ug/L		95
55) Dibromomethane	4.129	93	51264	8.96	ug/L		95
56) 1,2-Dichloropropane	4.190	63	97968	11.53	ug/L		98
57) Bromodichloromethane	4.221	83	108945	9.98	ug/L		99
58) Methyl methacrylate	4.300	41	87733	12.29	ug/L		87
59) 1,4-Dioxane	4.343	88	14069	175.71	ug/L		96
60) 2-Chloroethyl vinyl ether	4.556	63	355176	70.98	ug/L		91
61) cis-1,3-Dichloropropene	4.605	75	146677	12.58	ug/L		96
64) Toluene	4.763	91	359483	12.02	ug/L		97
65) 2-Nitropropane	4.556	41	14698	6.71	ug/L	#	1
66) 4-Methyl-2-pentanone	4.995	43	492220	57.21	ug/L		98
67) trans-1,3-Dichloropropene	4.605	75	146677	15.46	ug/L		97
68) Tetrachloroethene	5.013	166	90109	10.26	ug/L		95
69) Ethyl methacrylate	5.117	69	101804	12.38	ug/L		92
70) 1,1,2-Trichloroethane	5.129	83	66768	12.42	ug/L		93
71) Dibromochloromethane	5.251	129	72615	10.67	ug/L		99
72) 1,3-Dichloropropane	5.312	76	145948	13.97	ug/L		94
73) 1,2-Dibromoethane	5.416	107	79930	12.18	ug/L		100
74) 3,3-Dimethyl-1-Butanol	5.532	57	400754	382.42	ug/L		95
75) 2-hexanone	5.556	43	400756	47.95	ug/L	#	63
76) 1-Chlorohexane	5.757	91	120815m	10.65	ug/L		
77) Ethylbenzene	5.794	91	402343m	11.99	ug/L		
78) Chlorobenzene	5.775	112	219861	11.21	ug/L		92
79) 1,1,1,2-Tetrachloroethane	5.818	131	71294	11.48	ug/L		94
80) m,p-Xylene	5.897	91	616385	22.84	ug/L		95
81) o-Xylene	6.208	91	306764	11.13	ug/L		98
82) Styrene	6.245	104	235446	12.10	ug/L		97
83) Bromoform	6.263	173	41769	8.84	ug/L		96
84) Isopropylbenzene	6.440	105	359424	11.43	ug/L		98
87) cis-1,4-Dichloro-2-butene	6.696	53	35849	17.25	ug/L		91
88) n-Propylbenzene	6.757	91	421373	12.49	ug/L		100
89) Bromobenzene	6.733	156	83734	12.01	ug/L	#	78
90) 1,1,2,2-Tetrachloroethane	6.800	83	98692	12.76	ug/L		97
91) 1,3,5-Trimethylbenzene	6.909	105	300490	13.96	ug/L		99
92) 2-Chlorotoluene	6.873	91	281244	15.03	ug/L		98
93) trans-1,4-Dichloro-2-B...	6.940	53	26828	10.23	ug/L		91
94) 1,2,3-Trichloropropane	6.909	110	32578	14.45	ug/L		89
95) Cyclohexanone	6.940	55	14506	61.98	ug/L		88
96) 4-Chlorotoluene	7.001	91	270056	13.85	ug/L		94
97) tert-Butylbenzene	7.153	91	167300	12.98	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000249.D
Acq On : 24 Sep 2024 01:21 pm
Operator : davidb2
Sample : IC13-3 Inst : MSVOA22-3B
Misc : ms57558,V3B13,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 25 06:13:33 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration

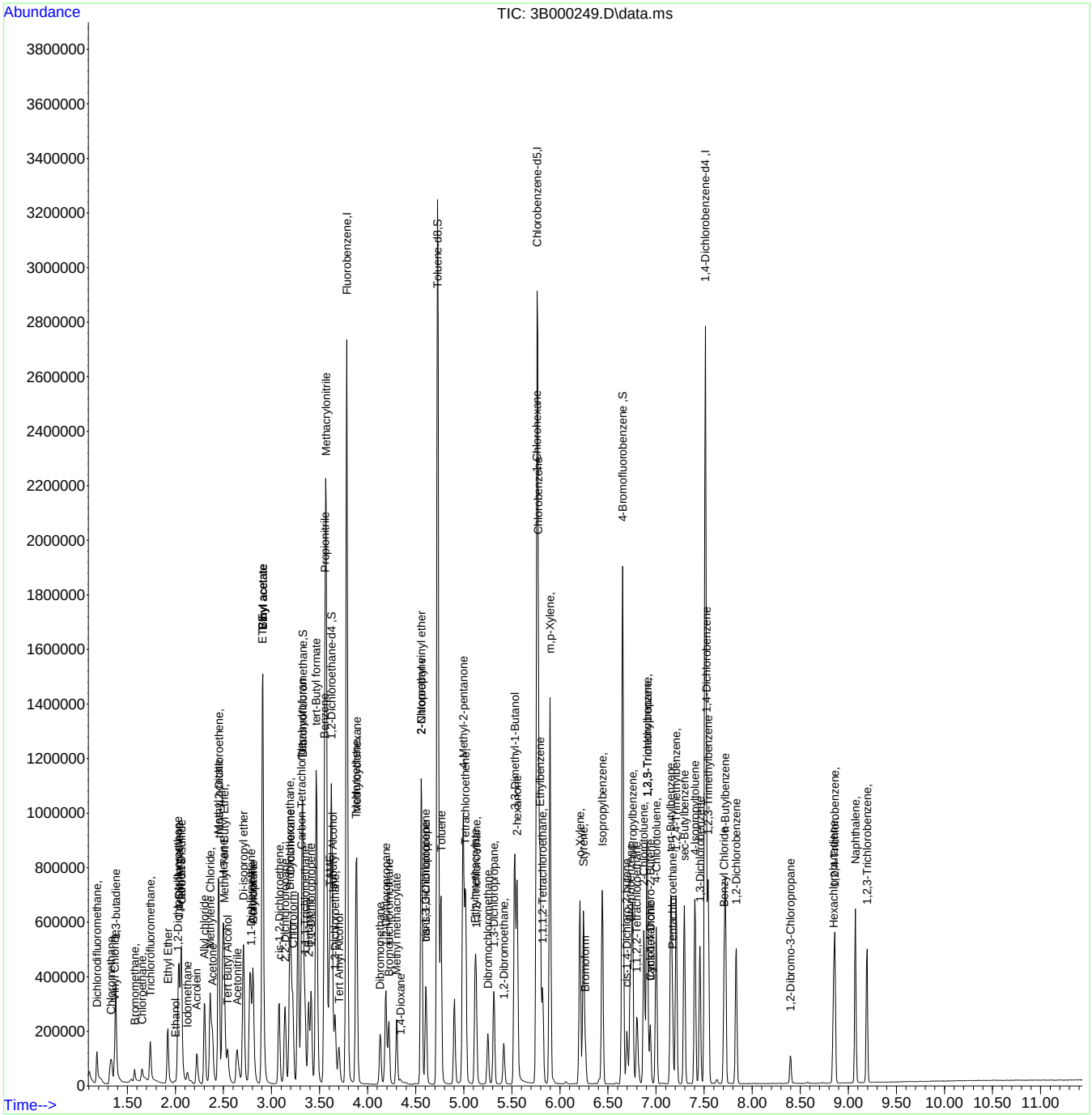
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
98)	1,2,4-Trimethylbenzene	7.208	105	298638	14.81	ug/L		99
99)	Pentachloroethane	7.171	167	34796	11.35	ug/L	#	1
100)	sec-Butylbenzene	7.293	105	356841	12.91	ug/L		99
101)	4-Isopropyltoluene	7.403	119	302627	13.36	ug/L		99
102)	1,3-Dichlorobenzene	7.458	146	156043	12.37	ug/L		98
103)	1,2,3-Trimethylbenzene	7.543	105	306002	14.83	ug/L		99
104)	1,4-Dichlorobenzene	7.525	146	156669	12.06	ug/L		95
105)	n-Butylbenzene	7.720	92	165020	15.76	ug/L		92
106)	Benzyl Chloride	7.708	126	36128	16.15	ug/L	#	63
107)	1,2-Dichlorobenzene	7.836	146	149867	12.76	ug/L		98
108)	1,2-Dibromo-3-Chloropr...	8.397	75	17725	12.25	ug/L		86
109)	Hexachlorobutadiene	8.848	225	37922	12.18	ug/L		91
110)	1,2,4-Trichlorobenzene	8.860	180	100737	15.69	ug/L		98
111)	Naphthalene	9.074	128	313358	18.93	ug/L		100
112)	1,2,3-Trichlorobenzene	9.195	180	99670	17.49	ug/L		99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000249.D
Acq On : 24 Sep 2024 01:21 pm
Operator : davidb2
Sample : IC13-3 Inst : MSVOA22-3B
Misc : ms57558,V3B13,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 25 06:13:33 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration



Manual Integration Approval Summary

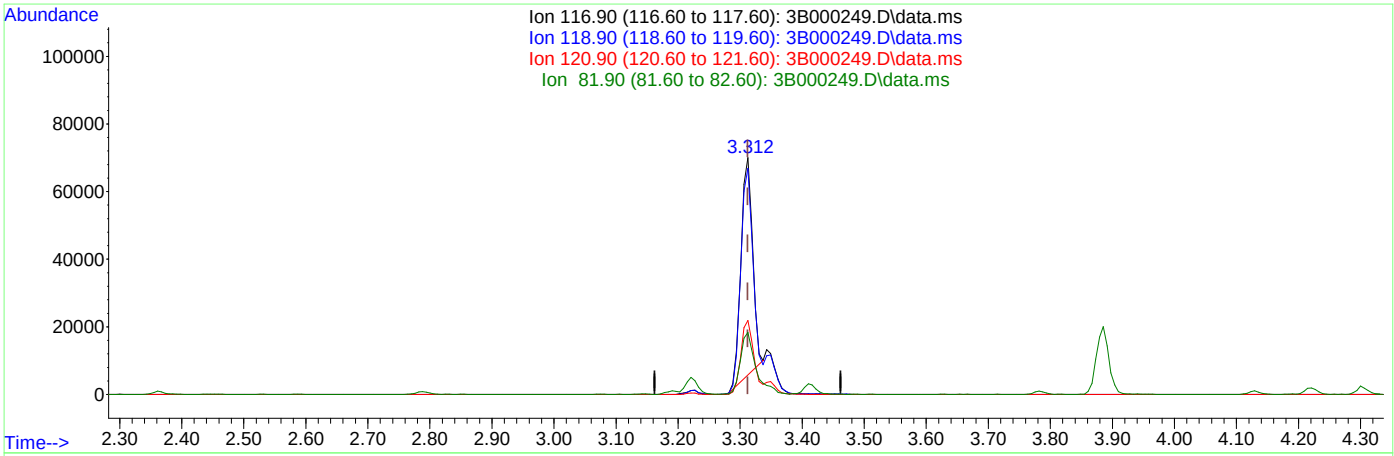
Sample Number: V3B13-IC13
Lab FileID: 3B000249.D
Injection Time: 09/24/24 13:21
Method: SW846 8260D
Analyst approved: 09/25/24 07:00 Neil Christiana
Supervisor approved: 09/25/24 07:51 Karen Watson

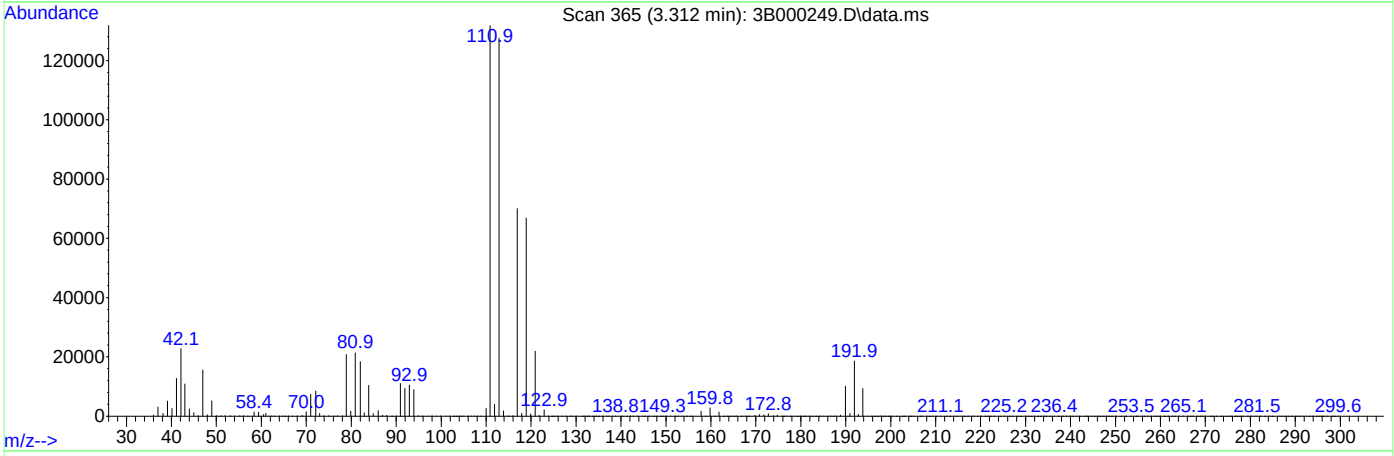
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		2.00	Poorly defined baseline
Carbon Tetrachloride	56-23-5		3.31	Overlapping peak
Isobutyl Alcohol	78-83-1		3.64	Poorly defined baseline
1-Chlorohexane	544-10-5		5.76	Poorly defined baseline
Ethylbenzene	100-41-4		5.79	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000249.D
Acq On : 24 Sep 2024 01:21 pm
Operator : davidb2
Sample : IC13-3 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 25 06:13:33 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000249.D\data.ms

(40) Carbon Tetrachloride ( )

3.312min (+0.000) 7.43ug/L

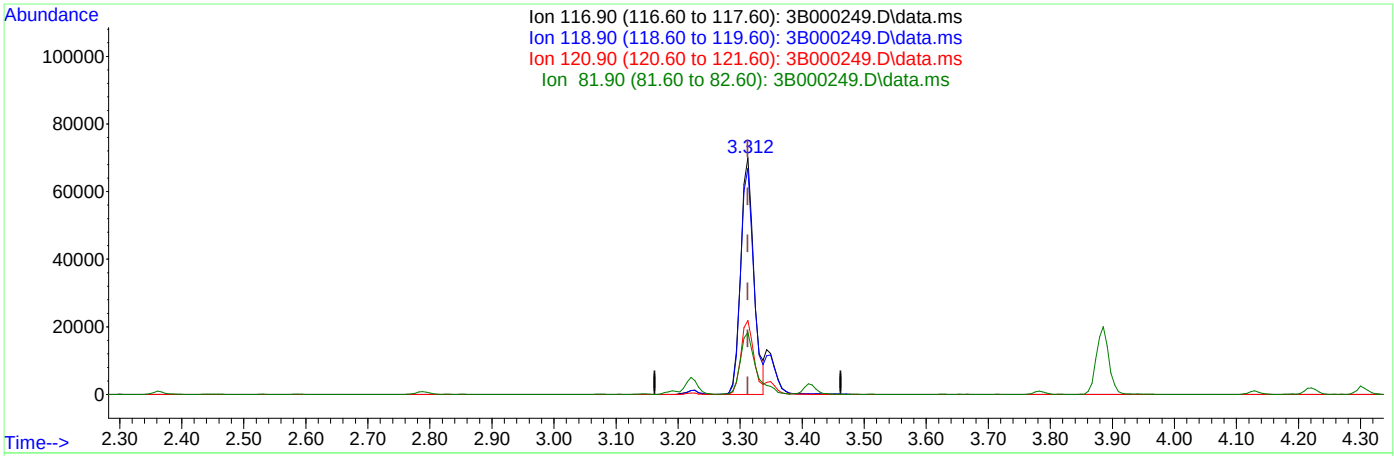
response 85714

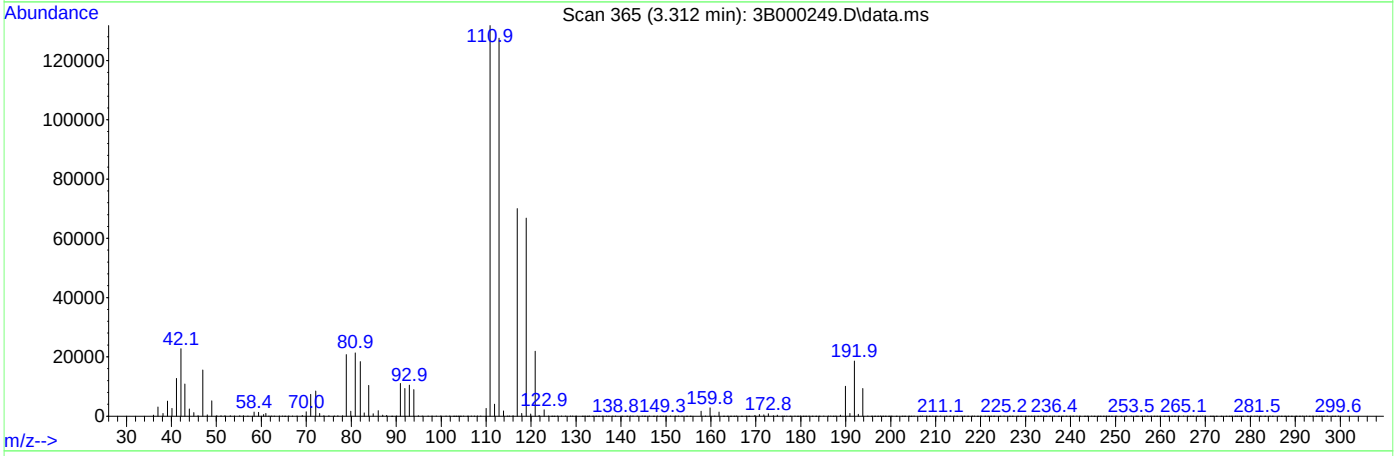
Ion	Exp%	Act%
116.90	100	100
118.90	94.70	95.54
120.90	29.70	31.32
81.90	27.10	26.12

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000249.D
Acq On : 24 Sep 2024 01:21 pm
Operator : davidb2
Sample : IC13-3 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 25 06:13:33 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000249.D\data.ms

(40) Carbon Tetrachloride ( )

3.312min (+0.000) 8.92ug/L m

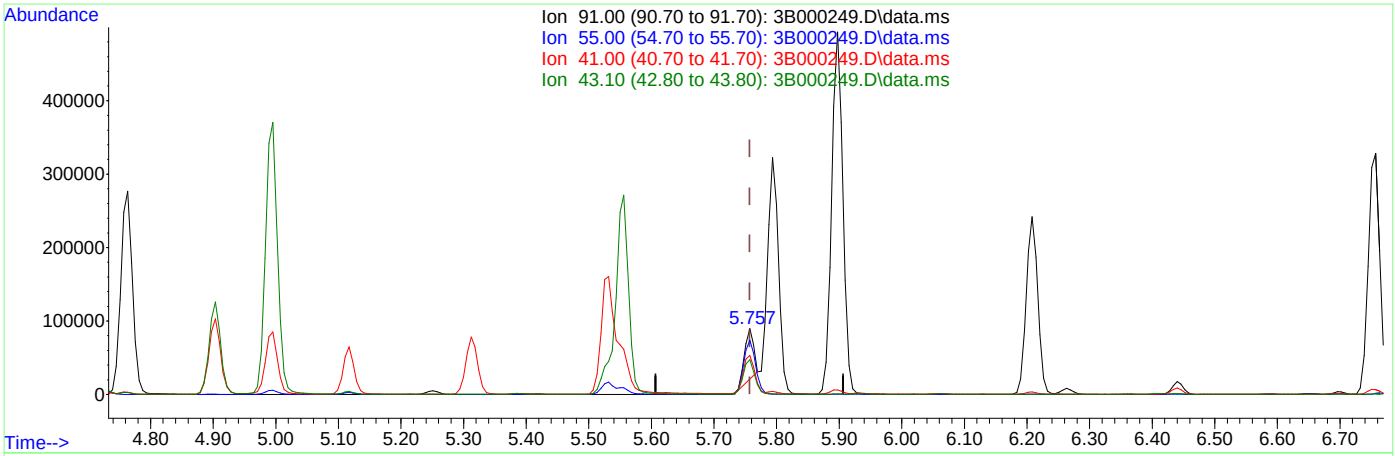
response 102933

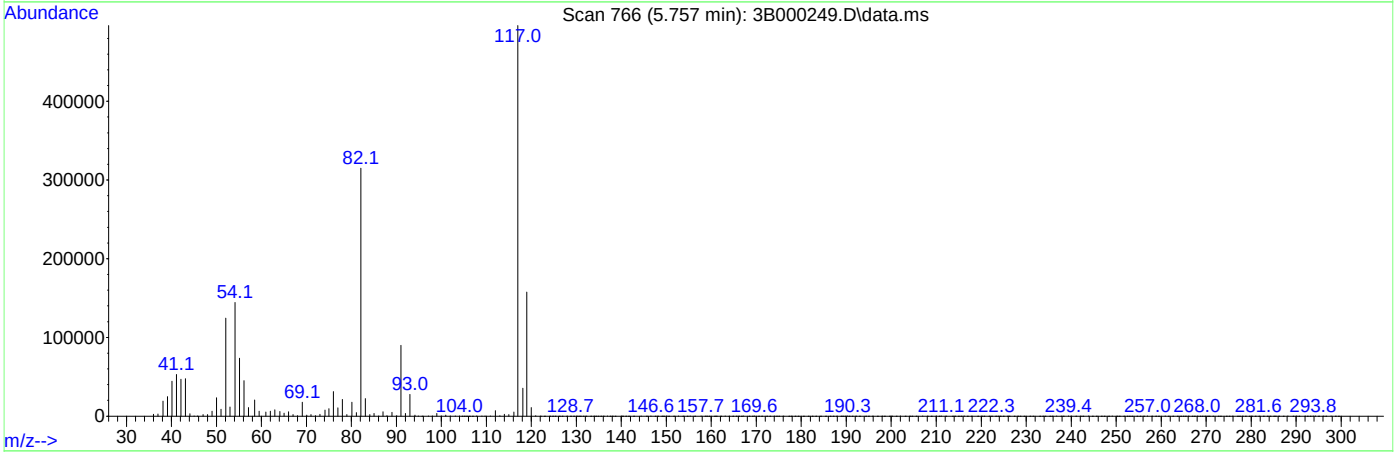
Ion	Exp%	Act%
116.90	100	100
118.90	94.70	95.49
120.90	29.70	31.27
81.90	27.10	26.22

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000249.D
Acq On : 24 Sep 2024 01:21 pm
Operator : davidb2
Sample : IC13-3 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 25 06:13:33 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000249.D\data.ms

(76) 1-Chlorohexane

5.757min (+0.000) 6.53ug/L

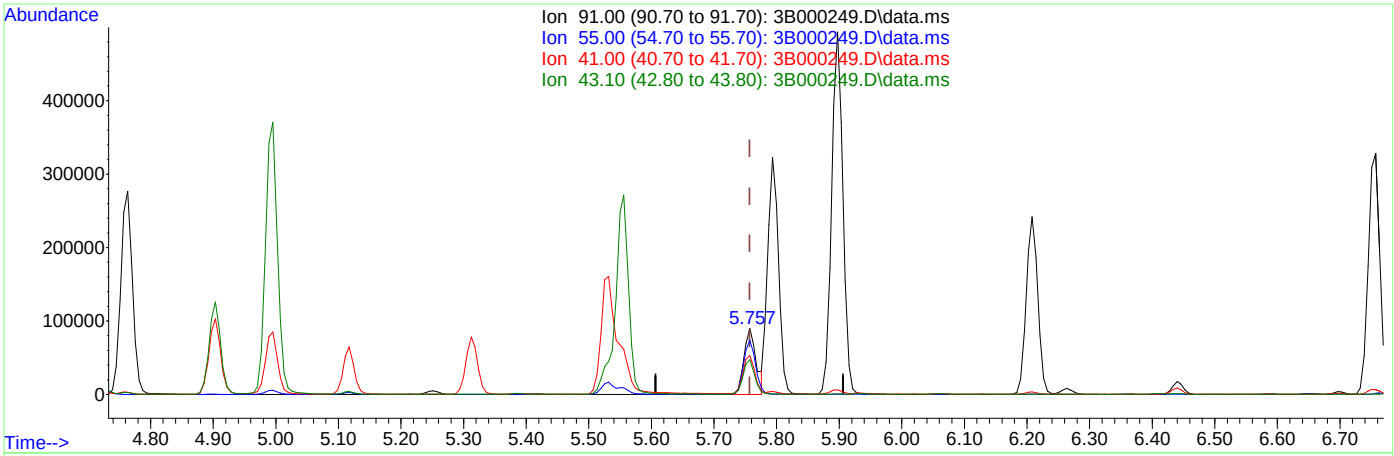
response 74024

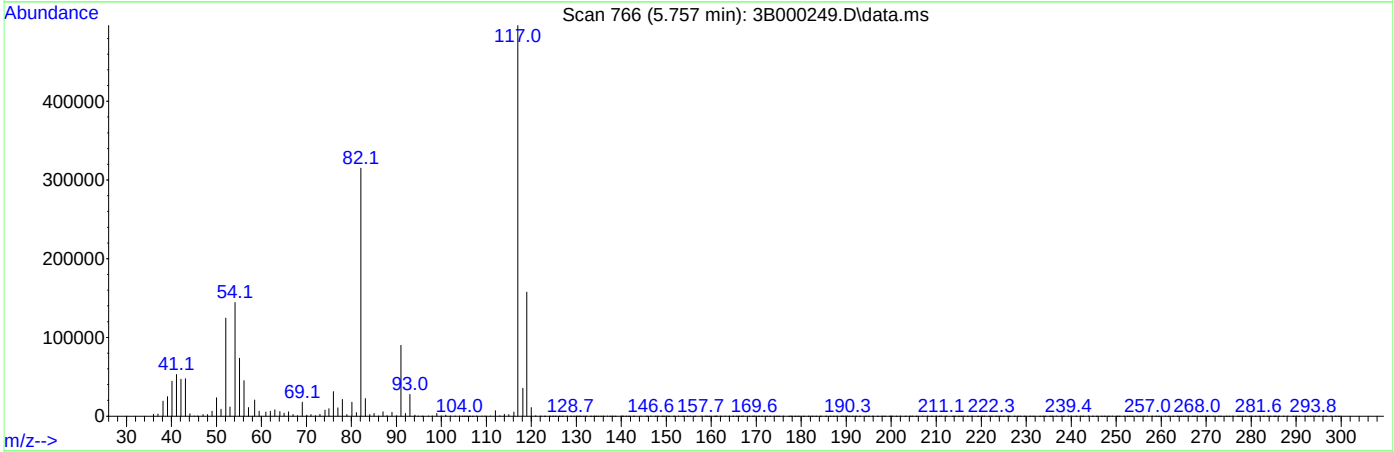
Ion	Exp%	Act%
91.00	100	100
55.00	72.90	81.41
41.00	59.60	57.29
43.10	44.70	51.69

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000249.D
Acq On : 24 Sep 2024 01:21 pm
Operator : davidb2
Sample : IC13-3 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 25 06:13:33 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000249.D\data.ms

(76) 1-Chlorohexane

5.757min (+0.000) 10.65ug/L m

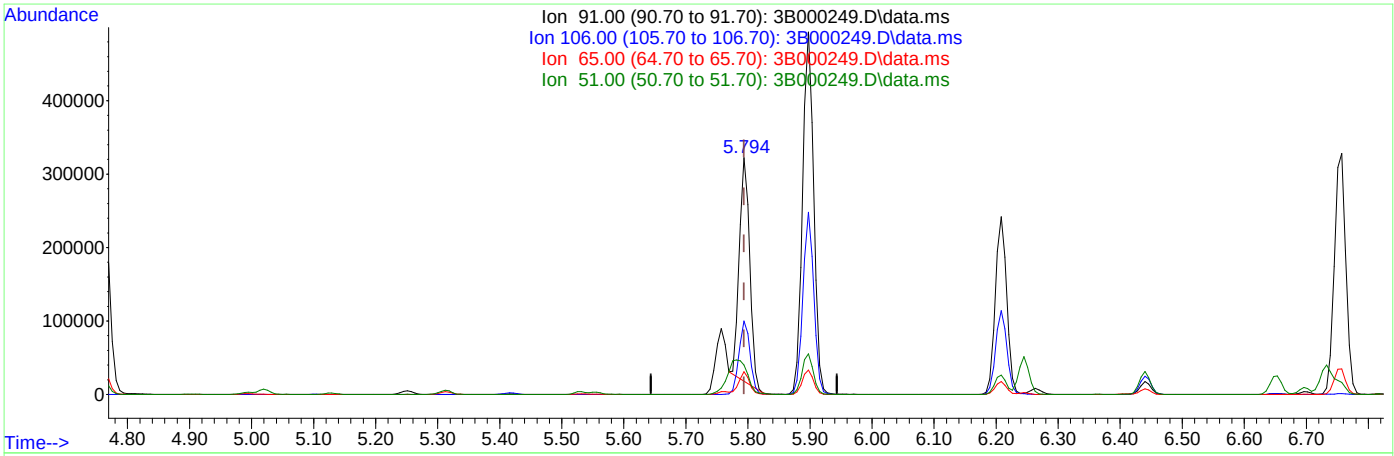
response 120815

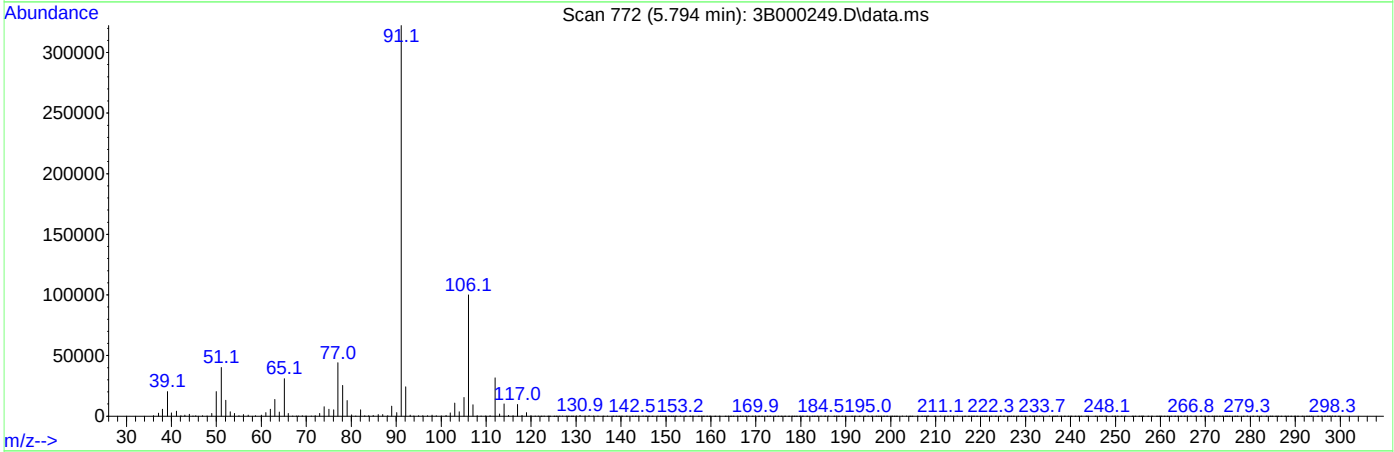
Ion	Exp%	Act%
91.00	100	100
55.00	72.90	81.98
41.00	59.60	58.98
43.10	44.70	52.83

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000249.D
Acq On : 24 Sep 2024 01:21 pm
Operator : davidb2
Sample : IC13-3 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 25 06:13:33 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000249.D\data.ms

(77) Ethylbenzene

5.794min (+0.000) 10.35ug/L

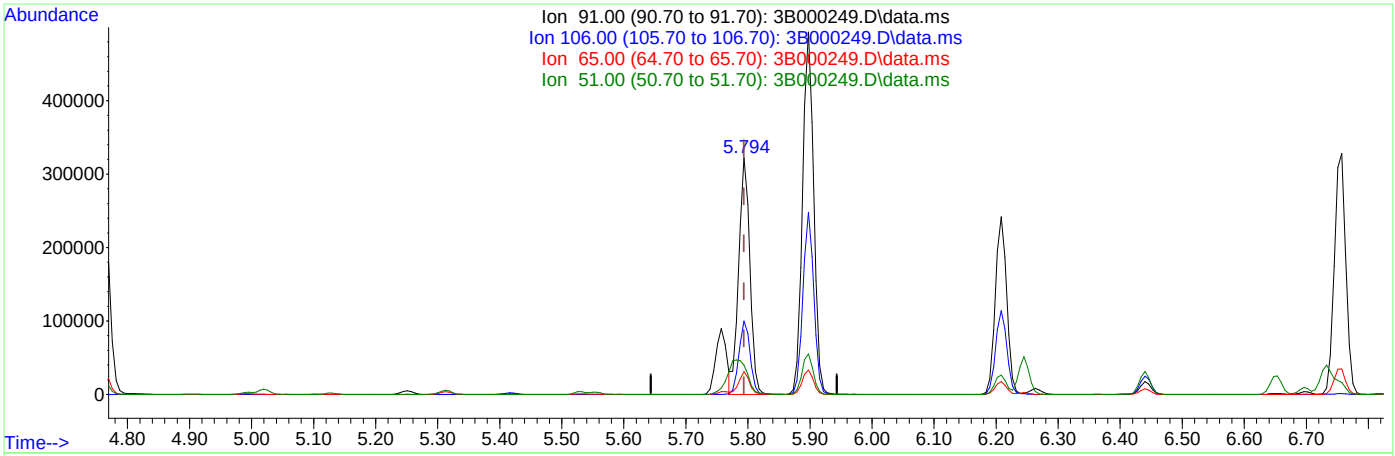
response 347085

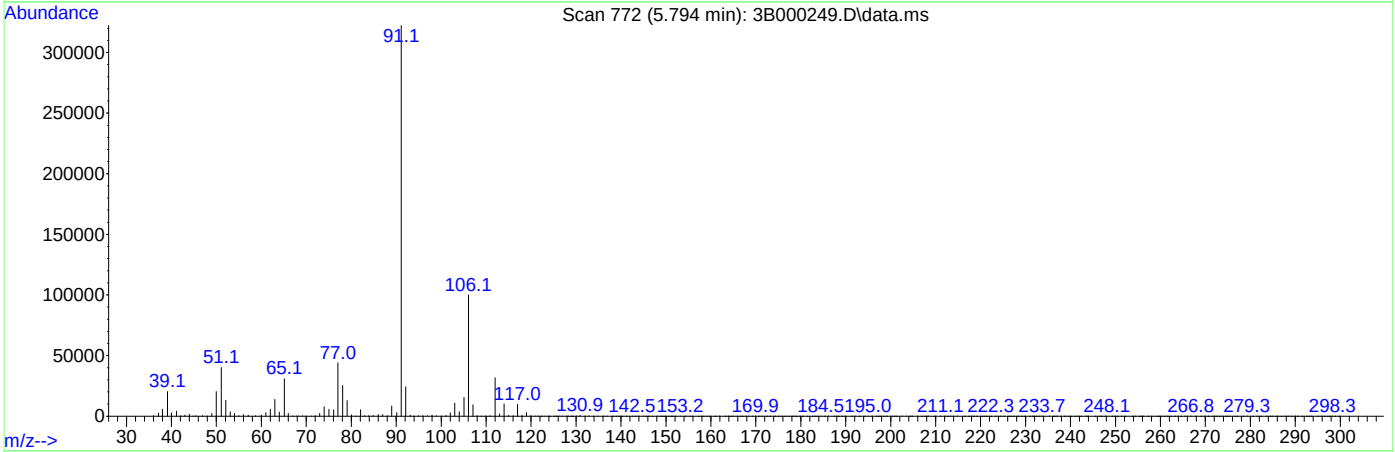
Ion	Exp%	Act%
91.00	100	100
106.00	30.40	31.00
65.00	9.00	9.53
51.00	10.80	12.09

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000249.D
Acq On : 24 Sep 2024 01:21 pm
Operator : davidb2
Sample : IC13-3 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 25 06:13:33 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000249.D\data.ms

(77) Ethylbenzene

5.794min (+0.000) 11.99ug/L m

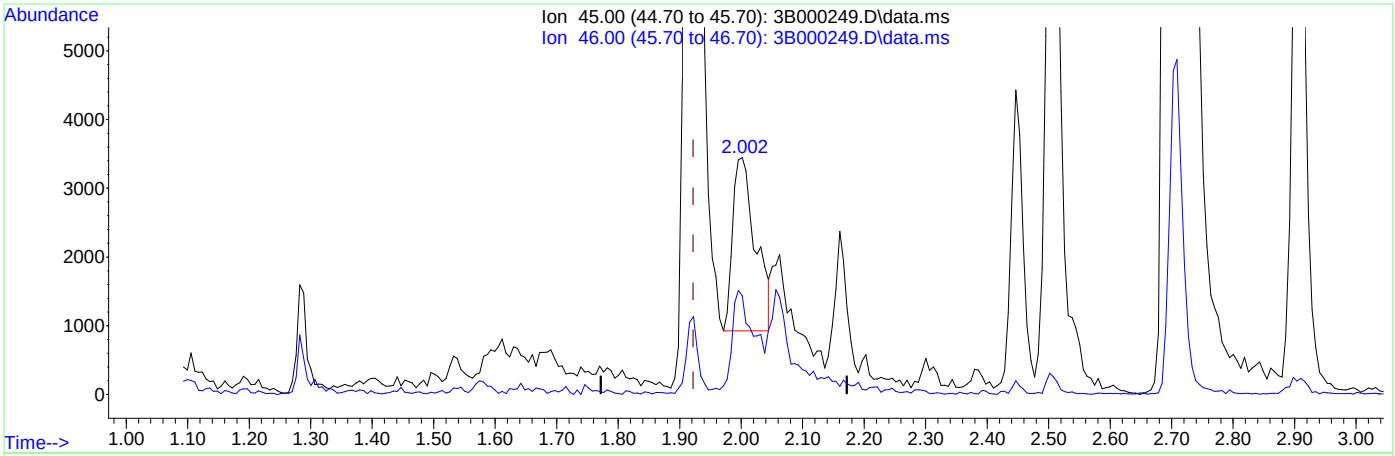
response 402343

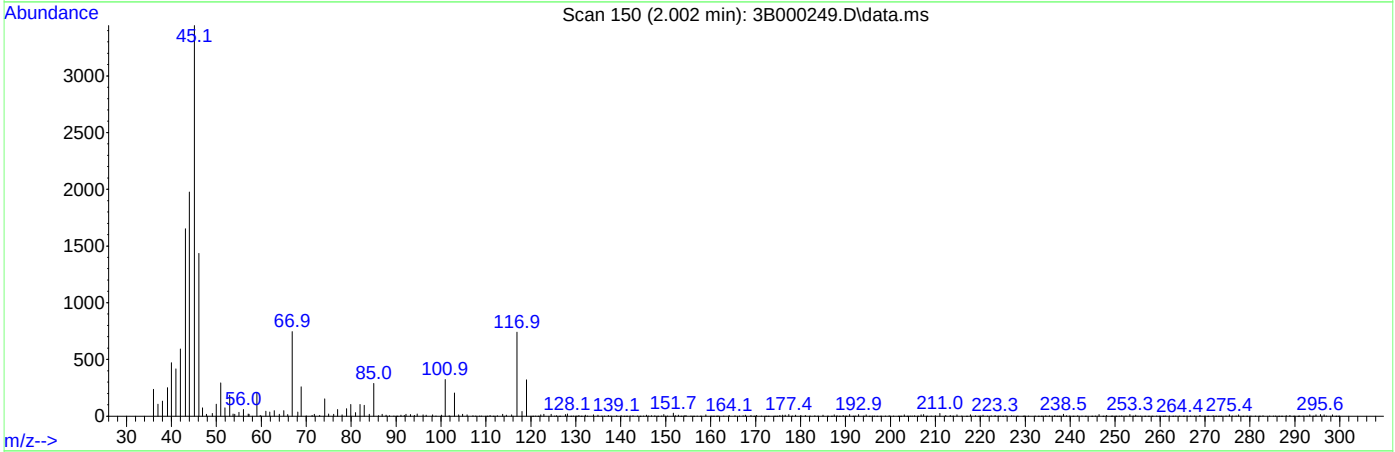
Ion	Exp%	Act%
91.00	100	100
106.00	30.40	31.00
65.00	9.00	9.61
51.00	10.80	12.45

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000249.D
Acq On : 24 Sep 2024 01:21 pm
Operator : davidb2
Sample : IC13-3 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 25 06:13:33 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000249.D\data.ms

(10) Ethanol

2.002min (+0.079) 71.18ug/L

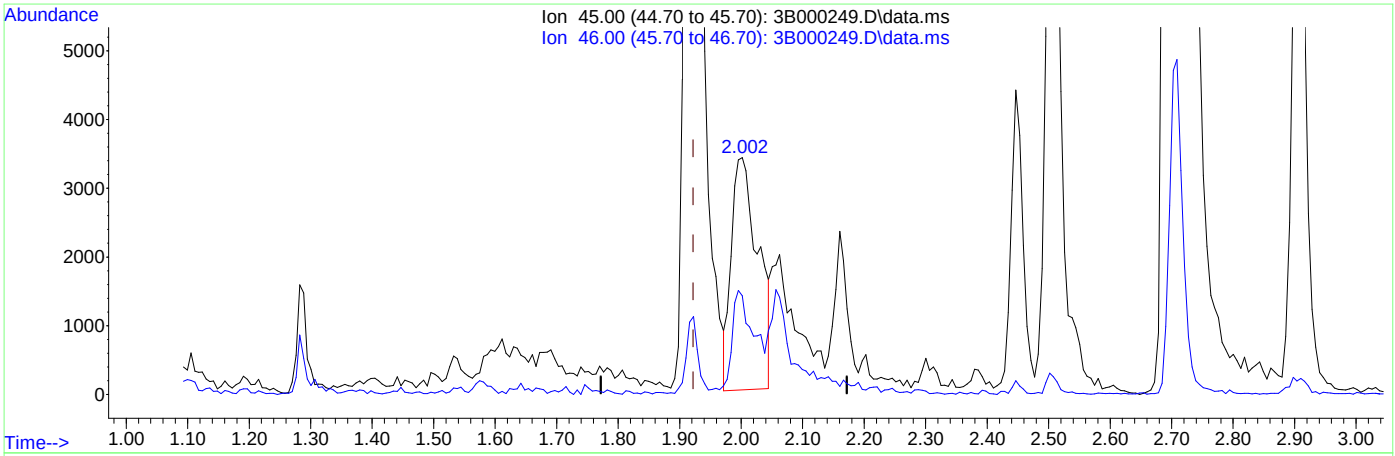
response 6498

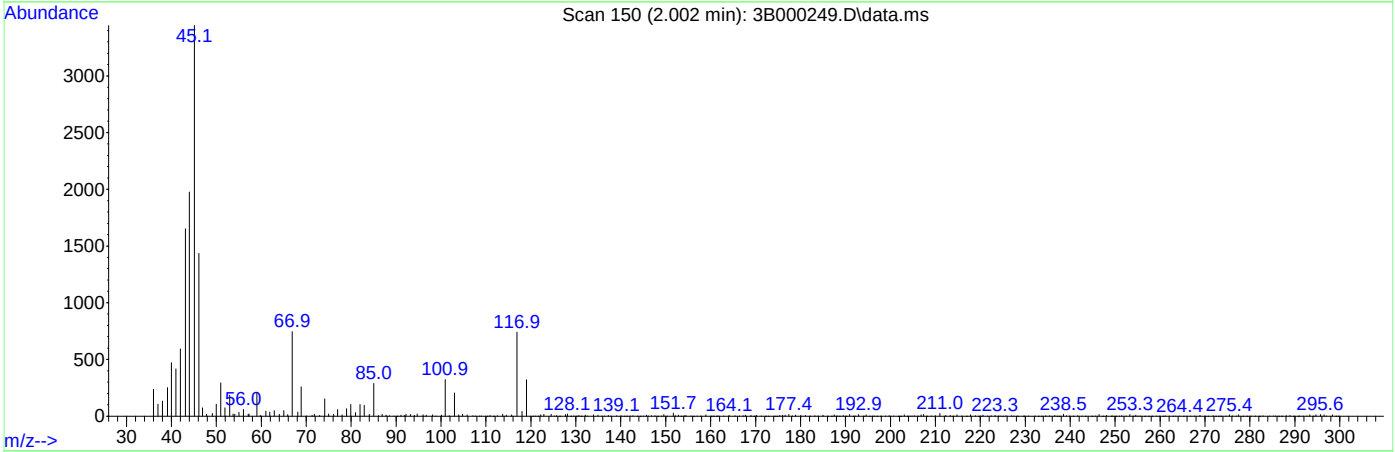
Ion	Exp%	Act%
45.00	100	100
46.00	40.60	51.87
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000249.D
Acq On : 24 Sep 2024 01:21 pm
Operator : davidb2
Sample : IC13-3 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 25 06:13:33 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000249.D\data.ms

(10) Ethanol

2.002min (+0.079) 112.52ug/L m

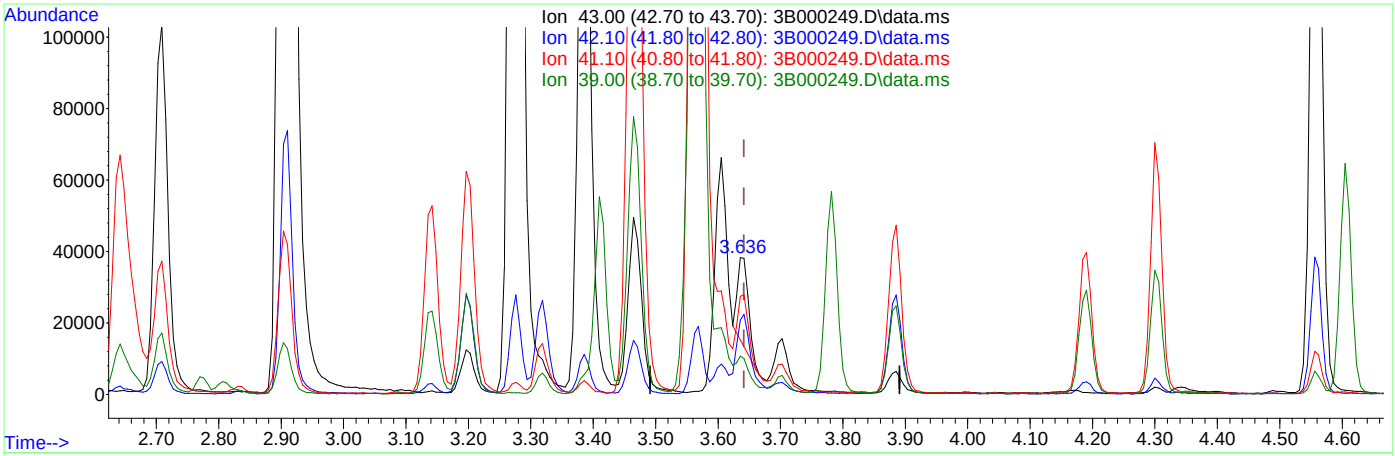
response 10255

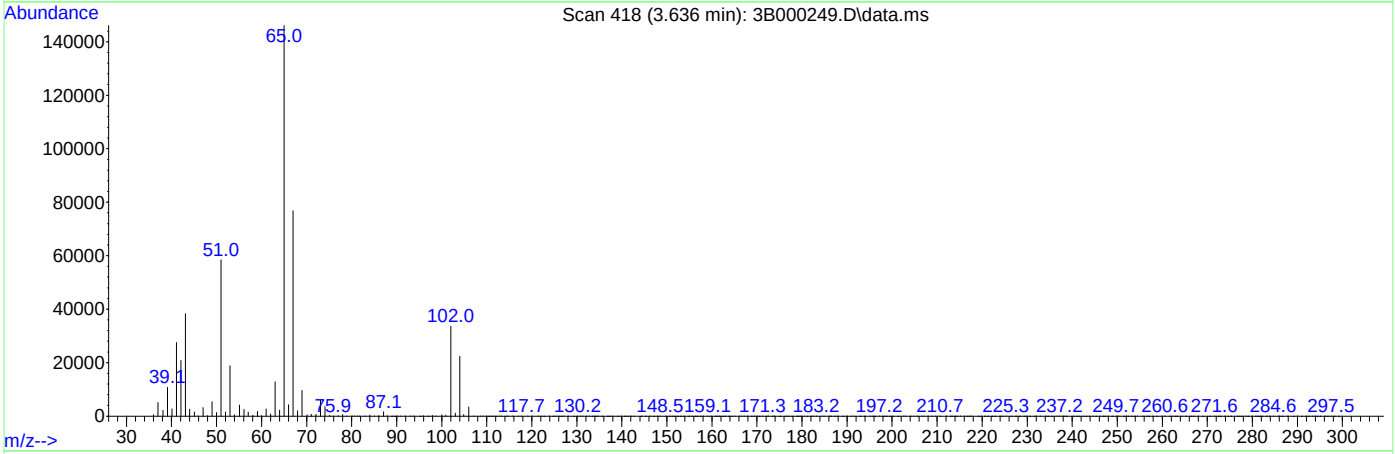
Ion	Exp%	Act%
45.00	100	100
46.00	40.60	41.63
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000249.D
Acq On : 24 Sep 2024 01:21 pm
Operator : davidb2
Sample : IC13-3 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 25 06:13:33 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000249.D\data.ms

(51) Isobutyl Alcohol

3.636min (-0.006) 36.61ug/L

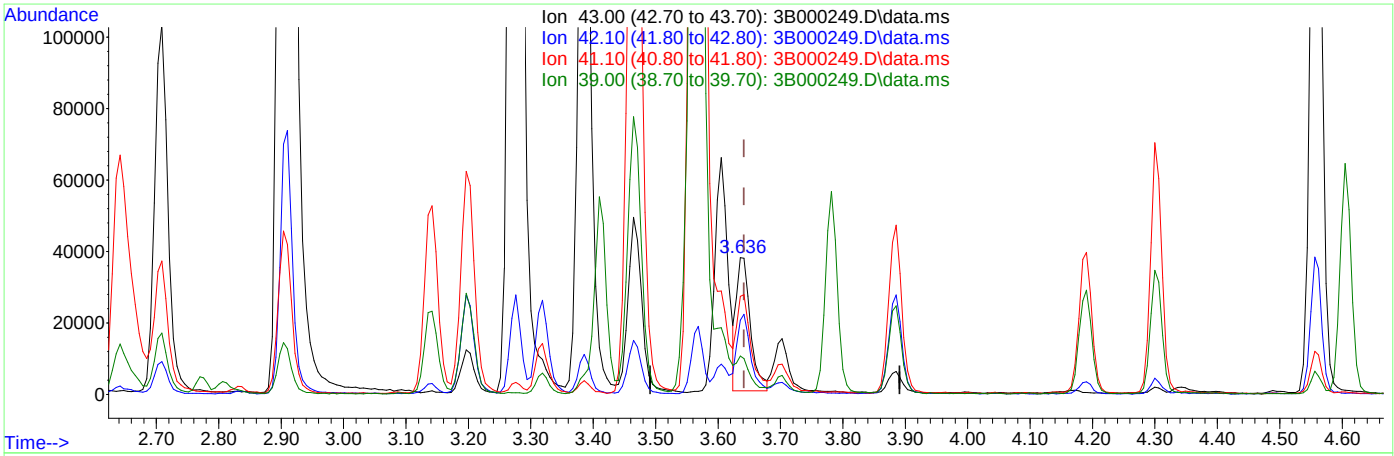
response 27243

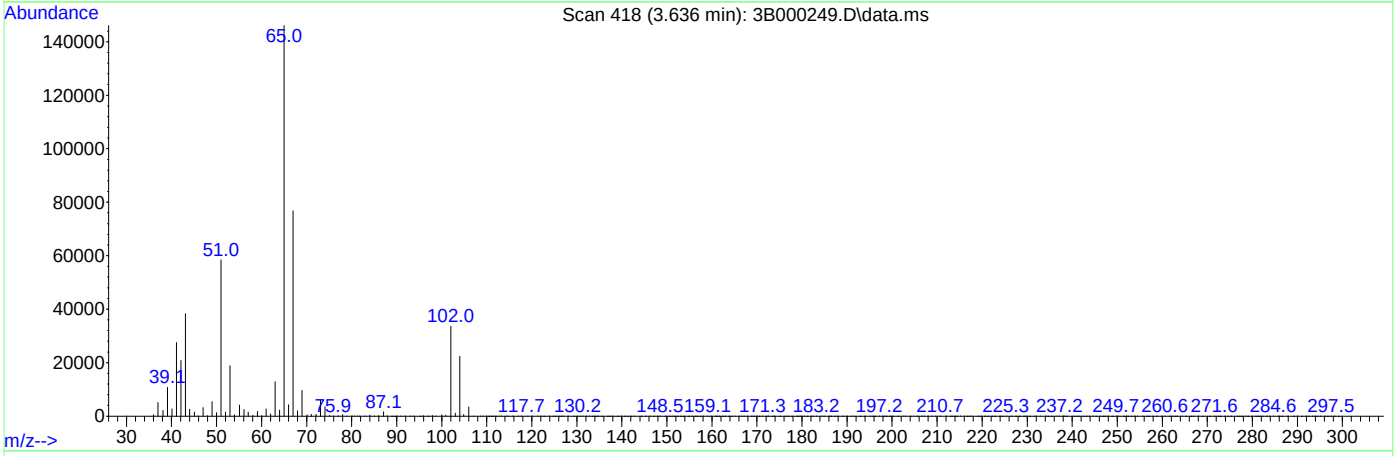
Ion	Exp%	Act%
43.00	100	100
42.10	33.00	52.40
41.10	49.00	66.69
39.00	31.10	26.61

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000249.D
Acq On : 24 Sep 2024 01:21 pm
Operator : davidb2
Sample : IC13-3 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 25 06:13:33 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000249.D\data.ms

(51) Isobutyl Alcohol

3.636min (-0.006) 78.41ug/L m

response 58351

Ion	Exp%	Act%
43.00	100	100
42.10	33.00	54.29
41.10	49.00	71.75
39.00	31.10	28.07

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/25/24 07:51

Quantitation Report (QT Reviewed)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000250.D
Acq On : 24 Sep 2024 01:45 pm
Operator : davidb2
Sample : IC13-4 Inst : MSVOA22-3B
Misc : ms57558,V3B13,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 25 06:13:36 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	3.782	96	1718859	50.00	ug/L		0.00
62) Chlorobenzene-d5	5.763	117	1093064	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	7.513	152	538857	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	3.318	113	391846	39.49	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 78.98%#				
49) 1,2-Dichloroethane-d4	3.623	65	490806	42.20	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 84.40%				
63) Toluene-d8	4.727	98	1629424	54.62	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 109.24%				
86) 4-Bromofluorobenzene	6.653	174	413437	49.74	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.48%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.179	85	281085	27.33	ug/L		99
3) Chloromethane	1.325	50	267504	27.64	ug/L		100
4) 1,3-butadiene	1.374	39	217619	26.15	ug/L		96
5) Vinyl Chloride	1.361	62	256438	25.52	ug/L		98
6) Bromomethane	1.569	94	54253	8.94	ug/L		99
7) Chloroethane	1.648	64	92957	13.82	ug/L		99
8) Trichlorofluoromethane	1.733	101	225269	15.01	ug/L		100
9) Ethyl Ether	1.916	59	213019	31.13	ug/L		98
10) Ethanol	1.996	45	33548	364.95	ug/L		98
11) 1,2-Dichlorotrifluoroe...	2.020	67	257137	26.19	ug/L		91
12) 1,1-Dichloroethene	2.032	61	350420	29.59	ug/L		93
13) Freon 113	2.057	101	203507	25.89	ug/L		97
14) Carbon Disulfide	2.057	76	602272	24.76	ug/L		98
15) Iodomethane	2.117	142	112765	18.39	ug/L		93
16) Acrolein	2.221	56	203518	122.00	ug/L		95
17) Allyl chloride	2.300	41	384046	35.90	ug/L		85
18) Methylene Chloride	2.355	49	330887	28.89	ug/L		99
19) Acetone	2.380	43	366615	121.95	ug/L		97
20) Methyl acetate	2.447	43	1133390	139.11	ug/L		97
21) trans-1,2-Dichloroethene	2.447	61	334369	28.88	ug/L		97
22) Hexane	2.489	56	235185	29.16	ug/L	#	78
23) Methyl Tert Butyl Ether	2.502	73	702158	32.11	ug/L	#	64
24) Acetonitrile	2.636	41	290334	258.17	ug/L		98
25) Tert Butyl Alcohol	2.544	59	313178	247.23	ug/L	#	47
26) Di-isopropyl ether	2.703	45	854756	35.65	ug/L		96
27) Chloroprene	2.806	53	592039	18.45	ug/L		83
28) 1,1-Dichloroethane	2.782	63	432236	28.45	ug/L		97
29) Acrylonitrile	2.806	52	415500	103.94	ug/L	#	73
30) ETBE	2.904	59	800155	34.21	ug/L		99
31) Vinyl acetate	2.904	43	2932808	169.61	ug/L		95
32) cis-1,2-Dichloroethene	3.075	96	237058	26.78	ug/L		95
33) 2,2-Dichloropropane	3.136	77	330857	29.28	ug/L		98
34) Bromochloromethane	3.184	128	103824	22.93	ug/L	#	82
35) Cyclohexane	3.197	56	457711	31.74	ug/L		89
36) Chloroform	3.221	83	398574	25.04	ug/L		99
37) Ethyl acetate	2.904	43	2944194	277.15	ug/L		68
38) Tetrahydrofuran	3.312	42	101234	27.19	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000250.D
Acq On : 24 Sep 2024 01:45 pm
Operator : davidb2
Sample : IC13-4 Inst : MSVOA22-3B
Misc : ms57558,V3B13,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 25 06:13:36 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
40) Carbon Tetrachloride	3.306	117	277222m	23.59	ug/L		
41) 1,1,1-Trichloroethane	3.343	97	337303	26.70	ug/L		97
42) 2-Butanone	3.386	43	705350	138.12	ug/L		99
43) 1,1-Dichloropropene	3.410	75	280881	28.56	ug/L		97
44) tert-Butyl formate	3.465	59	1077190	206.69	ug/L		88
45) Propionitrile	3.550	54	430659	275.86	ug/L	#	12
46) Methacrylonitrile	3.568	41	1865045	310.67	ug/L		95
47) Benzene	3.550	78	906646	27.70	ug/L		82
48) TAME	3.605	73	674204	33.47	ug/L	#	79
50) 1,2-Dichloroethane	3.660	62	312271	26.52	ug/L		98
51) Isobutyl Alcohol	3.635	43	172592m	227.69	ug/L		
52) Tert Amyl Alcohol	3.696	59	186955	198.92	ug/L		91
53) Trichloroethene	3.879	95	225232	24.92	ug/L		98
54) Methylcyclohexane	3.885	83	393647	27.40	ug/L		95
55) Dibromomethane	4.129	93	134475	23.08	ug/L		96
56) 1,2-Dichloropropane	4.190	63	251580	29.07	ug/L		98
57) Bromodichloromethane	4.221	83	287620	25.88	ug/L		99
58) Methyl methacrylate	4.300	41	249122	34.26	ug/L		89
59) 1,4-Dioxane	4.337	88	36578	448.47	ug/L		93
60) 2-Chloroethyl vinyl ether	4.556	63	861858	169.10	ug/L		92
61) cis-1,3-Dichloropropene	4.605	75	374396	31.52	ug/L		98
64) Toluene	4.763	91	932188	30.04	ug/L		98
65) 2-Nitropropane	4.556	41	35009	15.35	ug/L	#	1
66) 4-Methyl-2-pentanone	4.995	43	1371514	153.66	ug/L		97
67) trans-1,3-Dichloropropene	4.605	75	374396	38.05	ug/L		98
68) Tetrachloroethene	5.013	166	238422	26.16	ug/L		96
69) Ethyl methacrylate	5.117	69	281680	33.00	ug/L		91
70) 1,1,2-Trichloroethane	5.129	83	170768	30.63	ug/L		98
71) Dibromochloromethane	5.251	129	195594	27.69	ug/L		99
72) 1,3-Dichloropropane	5.312	76	368361	33.99	ug/L		94
73) 1,2-Dibromoethane	5.416	107	211191	31.03	ug/L		100
74) 3,3-Dimethyl-1-Butanol	5.531	57	1199556	1103.30	ug/L		95
75) 2-hexanone	5.556	43	1129216	130.23	ug/L	#	61
76) 1-Chlorohexane	5.757	91	312589m	26.56	ug/L		
77) Ethylbenzene	5.794	91	1004540m	28.86	ug/L		
78) Chlorobenzene	5.775	112	559374	27.48	ug/L		93
79) 1,1,1,2-Tetrachloroethane	5.818	131	188324	29.23	ug/L		97
80) m,p-Xylene	5.897	91	1592639	56.89	ug/L		96
81) o-Xylene	6.208	91	808181	28.27	ug/L		99
82) Styrene	6.245	104	638369	31.62	ug/L		98
83) Bromoform	6.263	173	123458	25.18	ug/L		97
84) Isopropylbenzene	6.440	105	954782	29.27	ug/L		98
87) cis-1,4-Dichloro-2-butene	6.696	53	102131	46.31	ug/L		90
88) n-Propylbenzene	6.757	91	1133823	31.67	ug/L		100
89) Bromobenzene	6.732	156	219114	29.61	ug/L	#	79
90) 1,1,2,2-Tetrachloroethane	6.800	83	274287	33.43	ug/L		97
91) 1,3,5-Trimethylbenzene	6.909	105	796031	34.84	ug/L		98
92) 2-Chlorotoluene	6.873	91	751362	37.84	ug/L		99
93) trans-1,4-Dichloro-2-B...	6.940	53	76211	27.38	ug/L	#	85
94) 1,2,3-Trichloropropane	6.909	110	88097	36.82	ug/L		90
95) Cyclohexanone	6.940	55	39175	157.72	ug/L		93
96) 4-Chlorotoluene	7.001	91	715850	34.60	ug/L		94
97) tert-Butylbenzene	7.153	91	448865	32.81	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000250.D
Acq On : 24 Sep 2024 01:45 pm
Operator : davidb2
Sample : IC13-4 Inst : MSVOA22-3B
Misc : ms57558,V3B13,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 25 06:13:36 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration

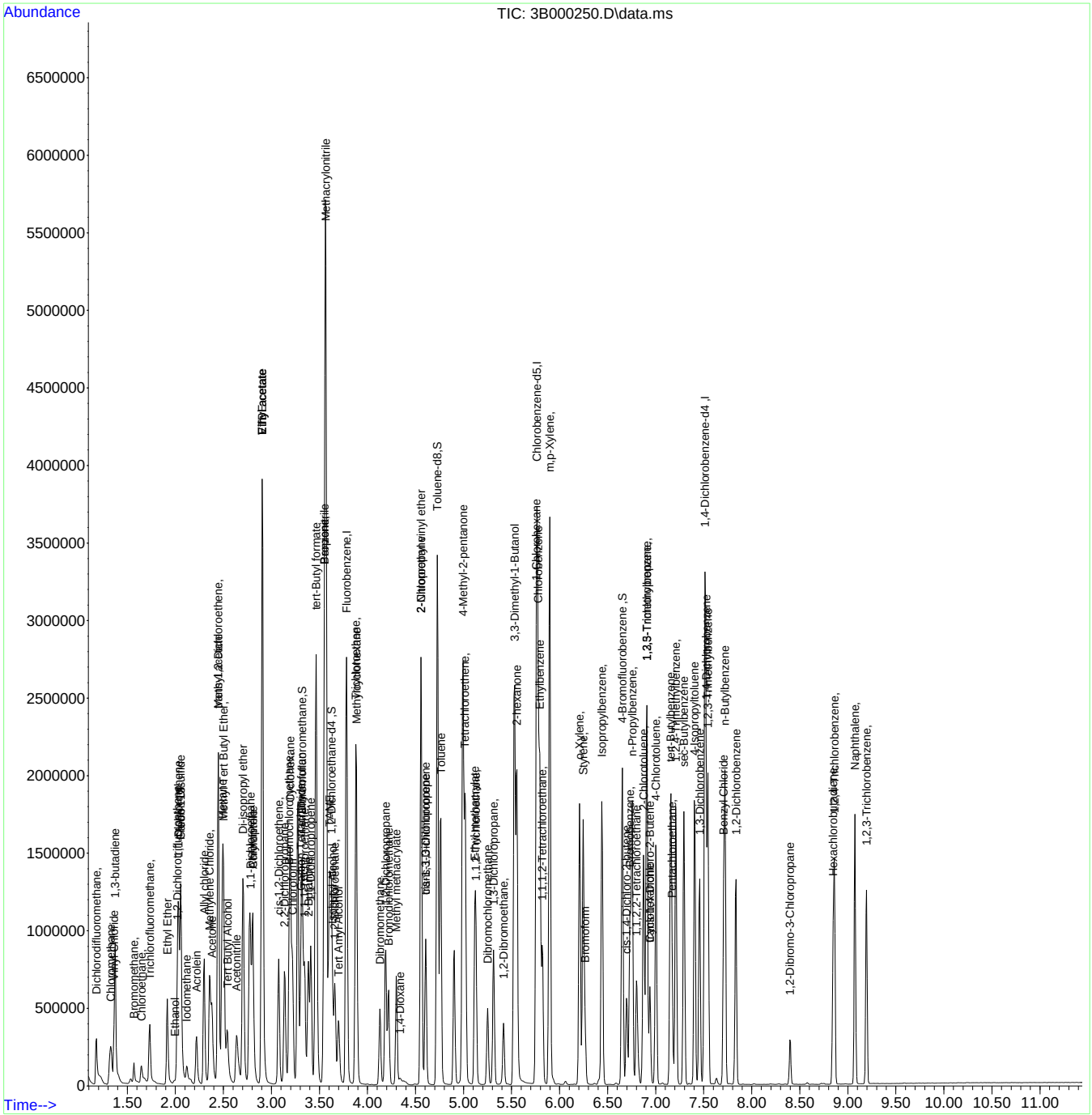
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
98) 1,2,4-Trimethylbenzene	7.208	105	797963	37.30	ug/L		99
99) Pentachloroethane	7.171	167	95527	29.89	ug/L	#	1
100) sec-Butylbenzene	7.293	105	962308	32.81	ug/L		99
101) 4-Isopropyltoluene	7.403	119	817324	33.99	ug/L		99
102) 1,3-Dichlorobenzene	7.458	146	413452	30.87	ug/L		97
103) 1,2,3-Trimethylbenzene	7.543	105	812296	37.10	ug/L		98
104) 1,4-Dichlorobenzene	7.525	146	411238	29.83	ug/L		97
105) n-Butylbenzene	7.720	92	453221	40.79	ug/L		92
106) Benzyl Chloride	7.708	126	107523	42.52	ug/L	#	65
107) 1,2-Dichlorobenzene	7.836	146	393889	31.60	ug/L		98
108) 1,2-Dibromo-3-Chloropr...	8.397	75	52295	34.06	ug/L		87
109) Hexachlorobutadiene	8.848	225	100769	30.49	ug/L		88
110) 1,2,4-Trichlorobenzene	8.860	180	269941	39.61	ug/L		99
111) Naphthalene	9.074	128	854249	48.62	ug/L		100
112) 1,2,3-Trichlorobenzene	9.195	180	257014	42.49	ug/L		98

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

Quantitation Report (QT Reviewed)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000250.D
Acq On : 24 Sep 2024 01:45 pm
Operator : davidb2
Sample : IC13-4 Inst : MSVOA22-3B
Misc : ms57558,V3B13,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 25 06:13:36 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: V3B13-IC13
Lab FileID: 3B000250.D
Injection Time: 09/24/24 13:45

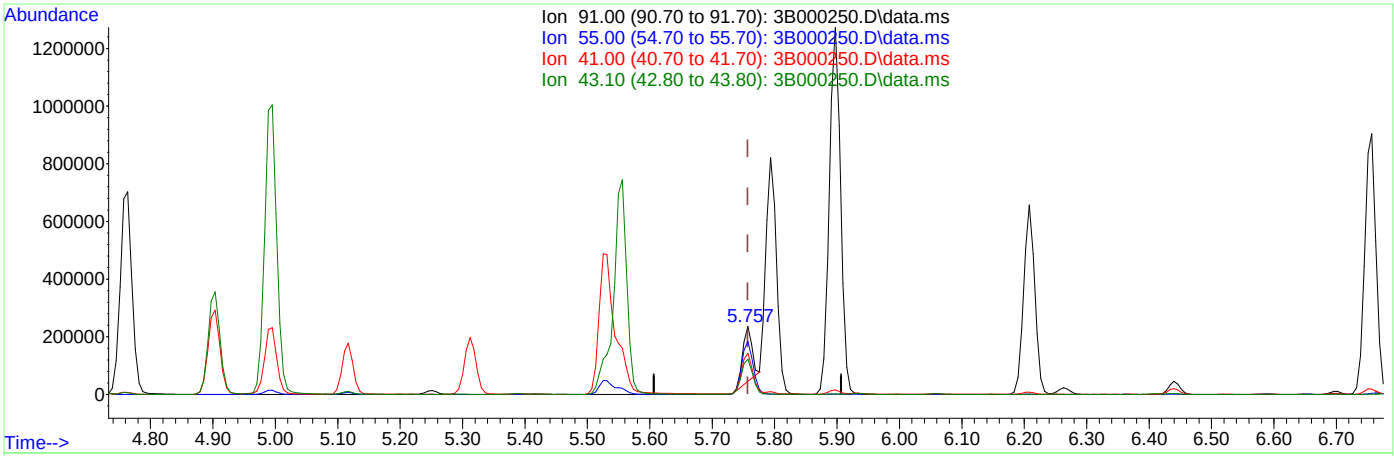
Method: SW846 8260D
Analyst approved: 09/25/24 07:00 Neil Christiana
Supervisor approved: 09/25/24 07:51 Karen Watson

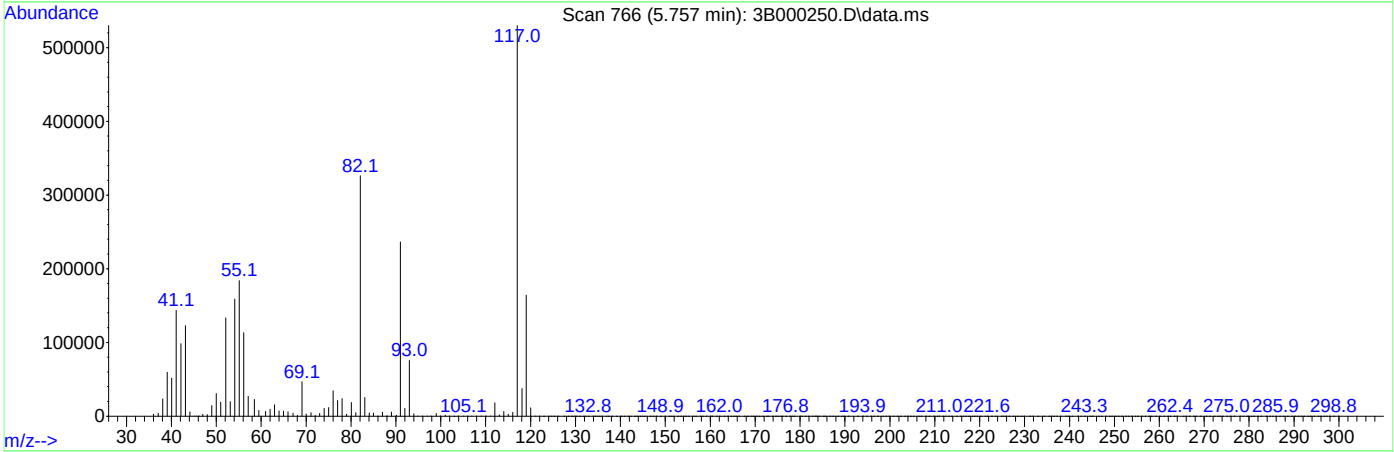
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.31	Overlapping peak
Isobutyl Alcohol	78-83-1		3.64	Poorly defined baseline
1-Chlorohexane	544-10-5		5.76	Poorly defined baseline
Ethylbenzene	100-41-4		5.79	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000250.D
Acq On : 24 Sep 2024 01:45 pm
Operator : davidb2
Sample : IC13-4 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 25 06:13:36 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000250.D\data.ms

(76) 1-Chlorohexane

5.757min (+0.000) 17.94ug/L

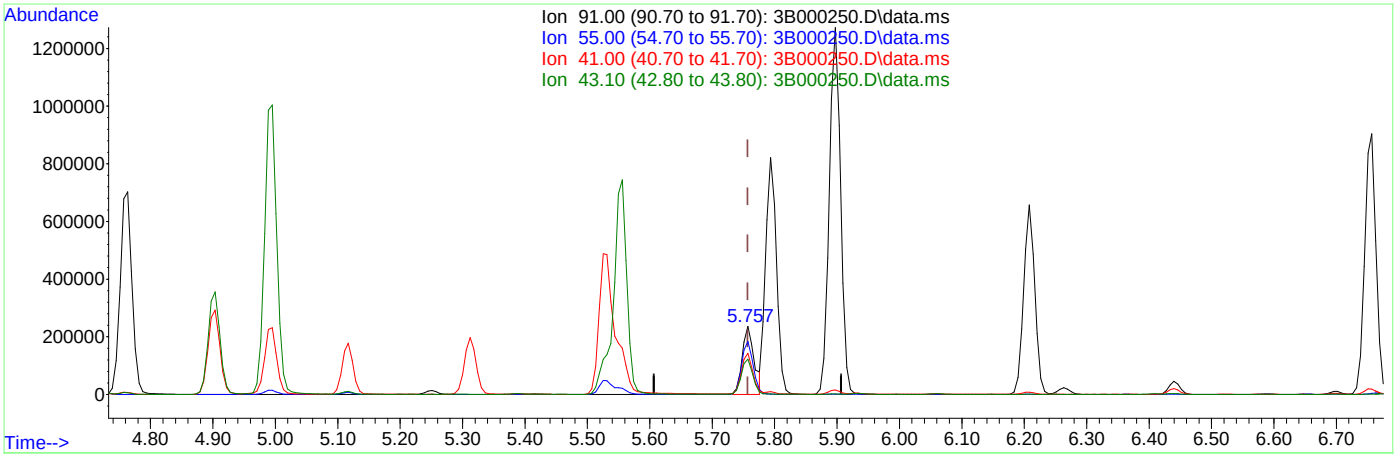
response 211124

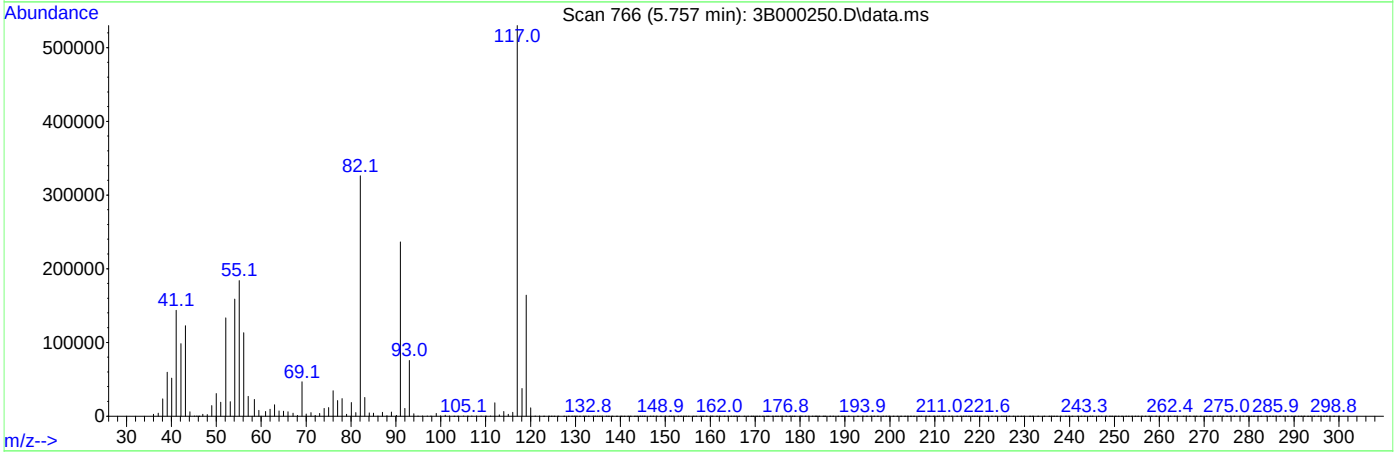
Ion	Exp%	Act%
91.00	100	100
55.00	72.90	77.32
41.00	59.60	59.65
43.10	44.70	51.23

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000250.D
Acq On : 24 Sep 2024 01:45 pm
Operator : davidb2
Sample : IC13-4 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 25 06:13:36 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000250.D\data.ms

(76) 1-Chlorohexane

5.757min (+0.000) 26.56ug/L m

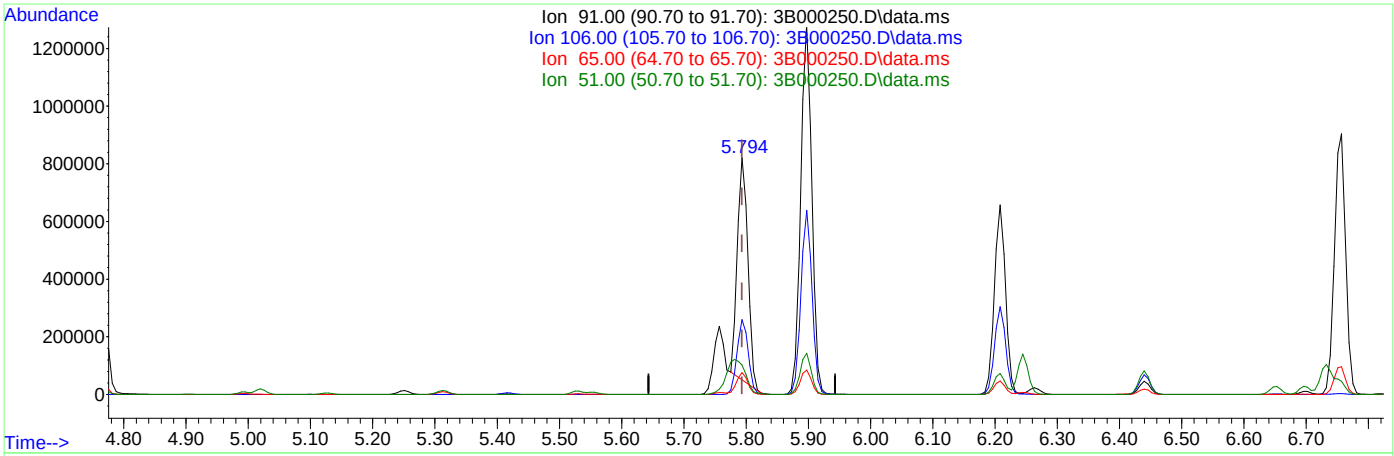
response 312589

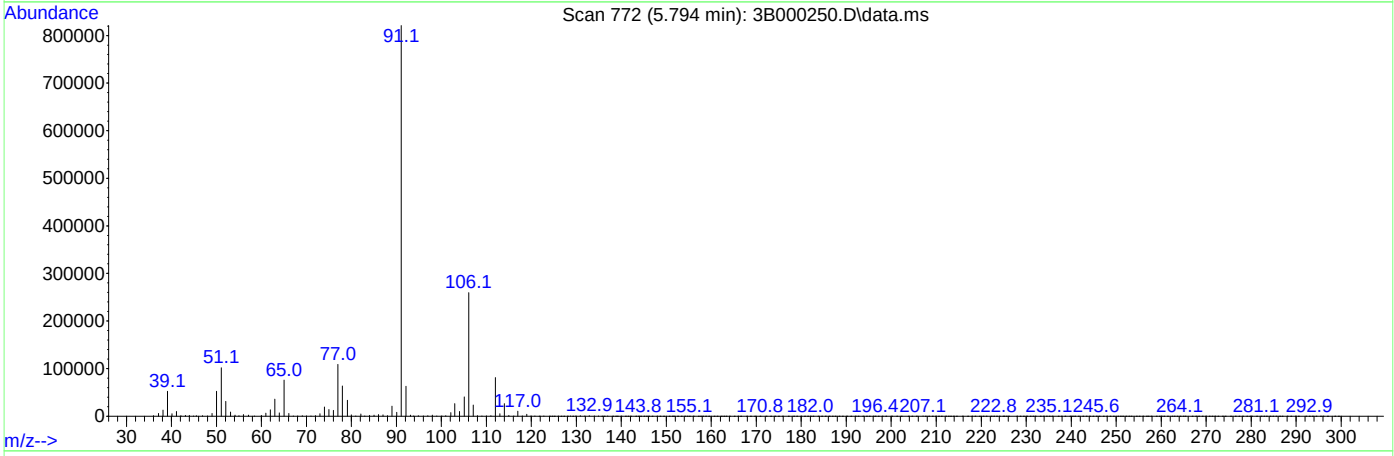
Ion	Exp%	Act%
91.00	100	100
55.00	72.90	77.77
41.00	59.60	60.68
43.10	44.70	51.93

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000250.D
Acq On : 24 Sep 2024 01:45 pm
Operator : davidb2
Sample : IC13-4 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 25 06:13:36 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000250.D\data.ms

(77) Ethylbenzene

5.794min (+0.000) 25.38ug/L

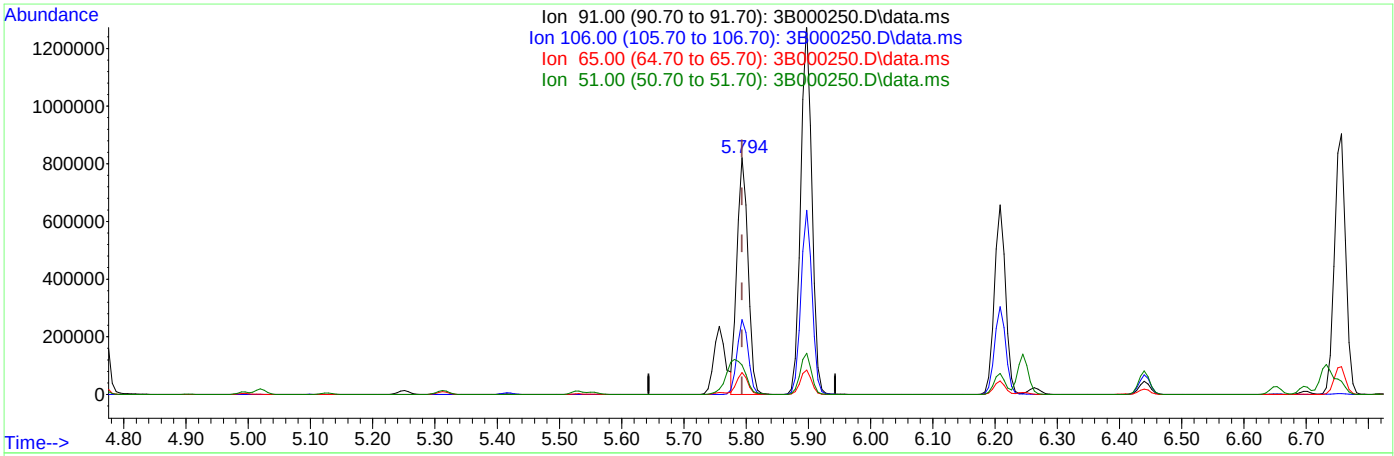
response 883323

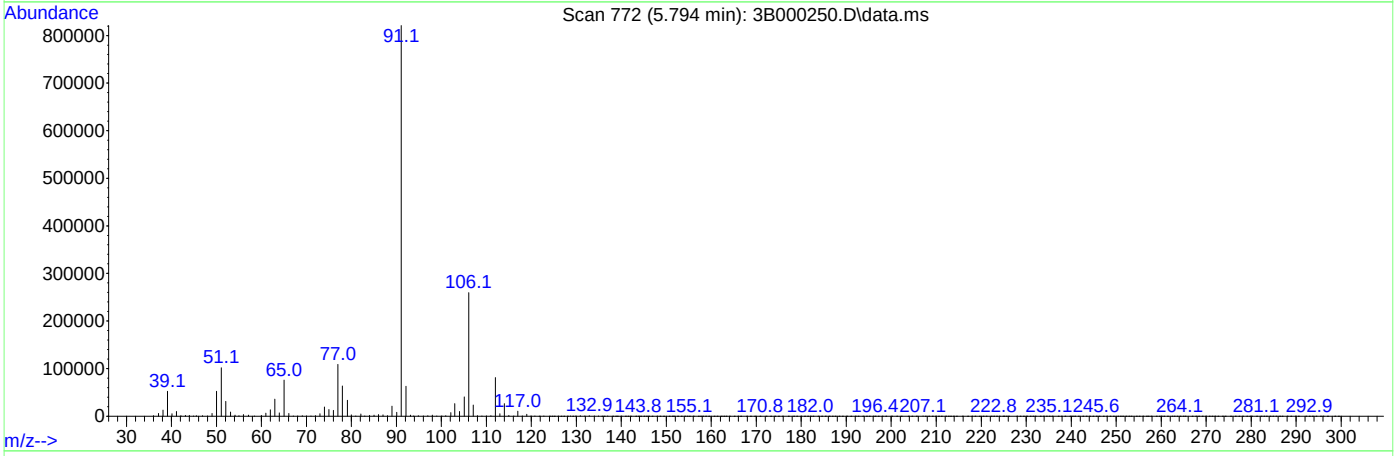
Ion	Exp%	Act%
91.00	100	100
106.00	30.40	31.58
65.00	9.00	9.19
51.00	10.80	12.09

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000250.D
Acq On : 24 Sep 2024 01:45 pm
Operator : davidb2
Sample : IC13-4 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 25 06:13:36 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000250.D\data.ms

(77) Ethylbenzene

5.794min (+0.000) 28.86ug/L m

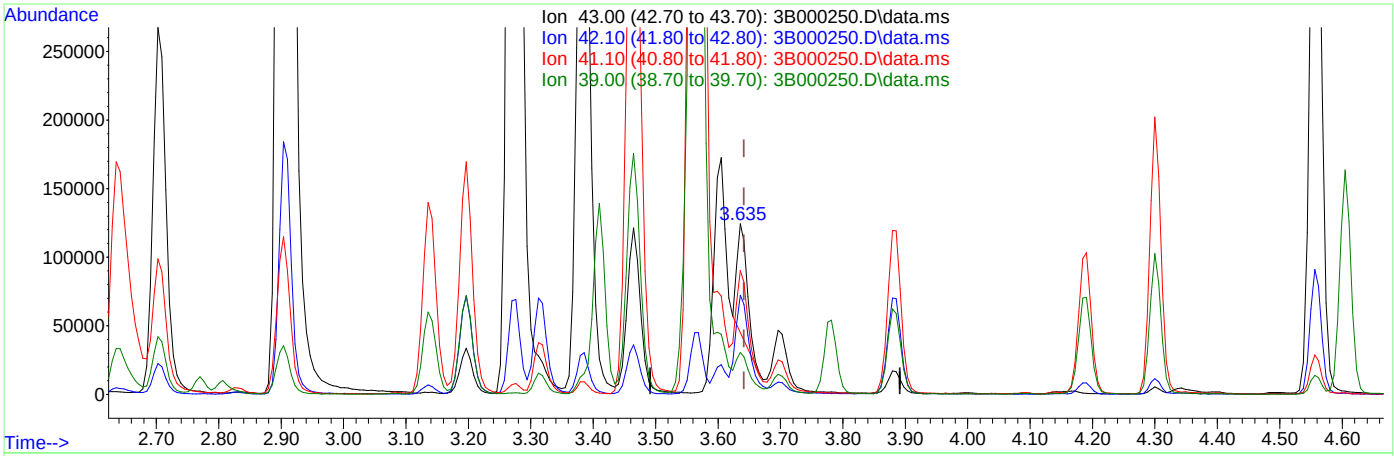
response 1004540

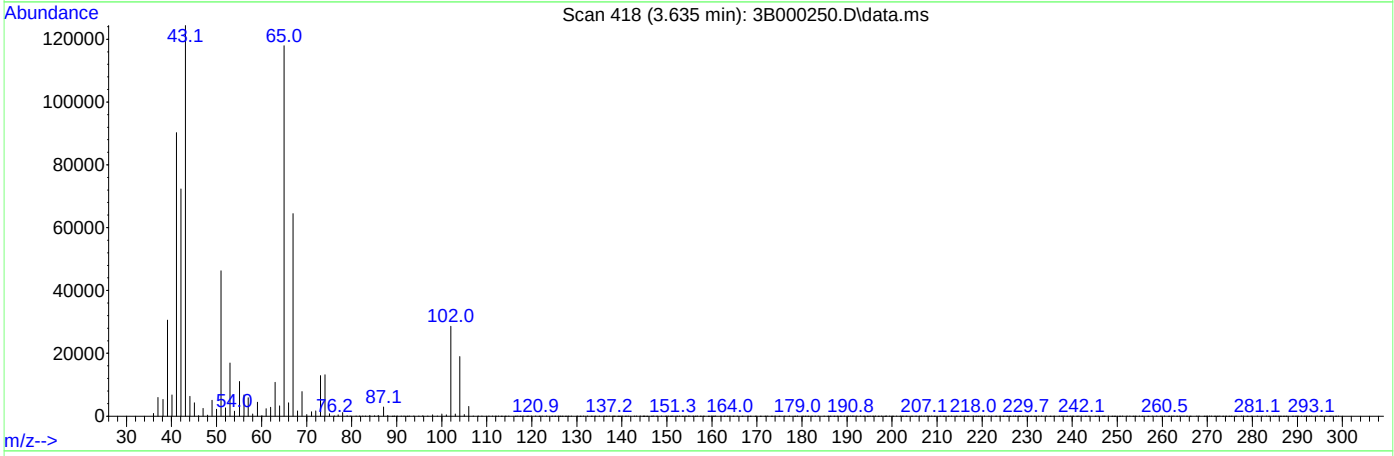
Ion	Exp%	Act%
91.00	100	100
106.00	30.40	31.59
65.00	9.00	9.24
51.00	10.80	12.41

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000250.D
Acq On : 24 Sep 2024 01:45 pm
Operator : davidb2
Sample : IC13-4 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 25 06:13:36 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000250.D\data.ms

(51) Isobutyl Alcohol

3.635min (-0.006) 110.43ug/L

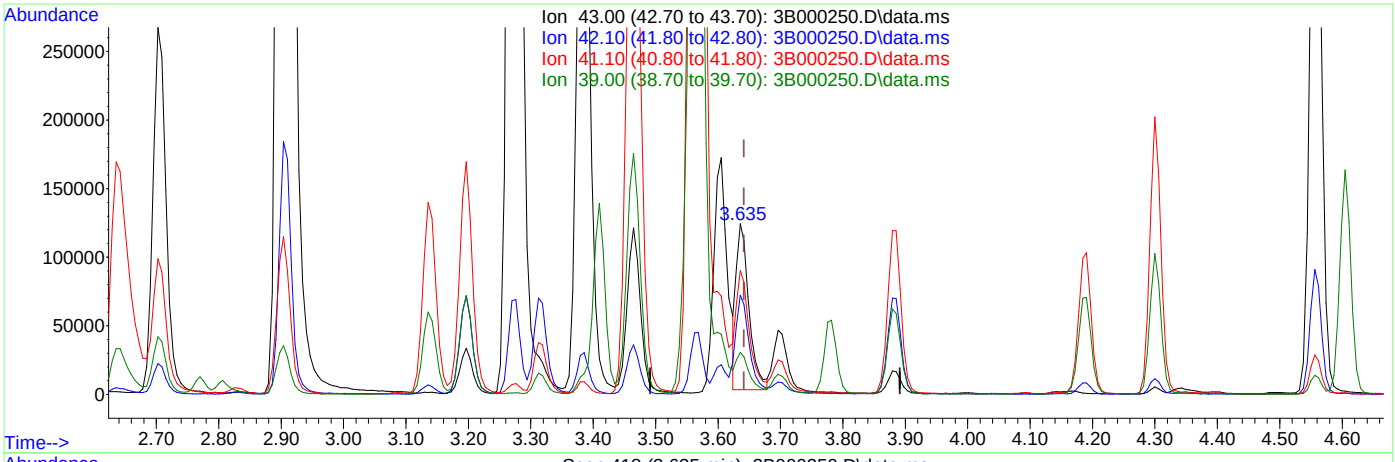
response 83709

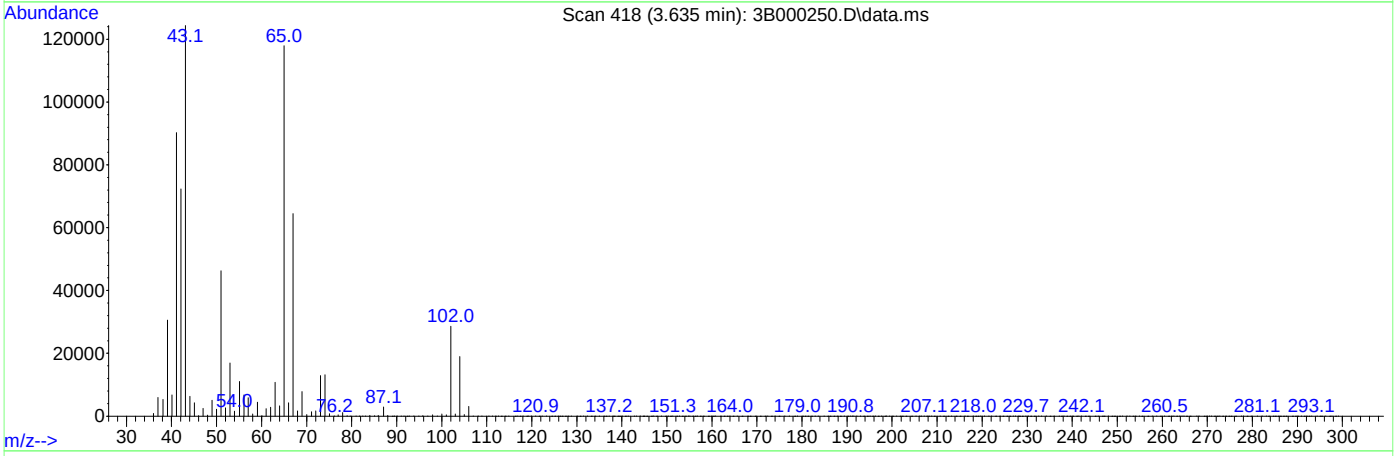
Ion	Exp%	Act%
43.00	100	100
42.10	33.00	58.46
41.10	49.00	70.15
39.00	31.10	22.88

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000250.D
Acq On : 24 Sep 2024 01:45 pm
Operator : davidb2
Sample : IC13-4 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 25 06:13:36 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000250.D\data.ms

(51) Isobutyl Alcohol

3.635min (-0.006) 227.69ug/L m

response 172592

Ion	Exp%	Act%
43.00	100	100
42.10	33.00	58.15
41.10	49.00	72.57
39.00	31.10	24.57

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/25/24 07:51

Quantitation Report (QT Reviewed)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000251.D
Acq On : 24 Sep 2024 02:08 pm
Operator : davidb2
Sample : ICC13-5 Inst : MSVOA22-3B
Misc : ms57558,V3B13,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 25 06:13:39 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	3.782	96	1735079	50.00	ug/L		0.00
62) Chlorobenzene-d5	5.763	117	1083347	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	7.513	152	559701	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	3.325	113	394848	39.42	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 78.84%#				
49) 1,2-Dichloroethane-d4	3.623	65	500358	42.62	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 85.24%				
63) Toluene-d8	4.727	98	1637951	55.40	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 110.80%				
86) 4-Bromofluorobenzene	6.653	174	422544	48.94	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.88%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.185	85	464972	44.79	ug/L		99
3) Chloromethane	1.331	50	461815	47.27	ug/L		99
4) 1,3-butadiene	1.380	39	345196	41.09	ug/L		96
5) Vinyl Chloride	1.368	62	435064	42.89	ug/L		97
6) Bromomethane	1.575	94	100078	16.34	ug/L		99
7) Chloroethane	1.654	64	151124	22.26	ug/L		97
8) Trichlorofluoromethane	1.740	101	369263	24.37	ug/L		100
9) Ethyl Ether	1.922	59	351533	50.89	ug/L		98
10) Ethanol	2.002	45	44565m	482.50	ug/L		
11) 1,2-Dichlorotrifluoroe...	2.026	67	423431	42.72	ug/L		90
12) 1,1-Dichloroethene	2.038	61	577629	48.33	ug/L		93
13) Freon 113	2.063	101	335627	42.30	ug/L		98
14) Carbon Disulfide	2.063	76	994067	40.49	ug/L		98
15) Iodomethane	2.124	142	238233	36.94	ug/L		94
16) Acrolein	2.221	56	322841	191.72	ug/L		98
17) Allyl chloride	2.300	41	609037	56.40	ug/L		84
18) Methylene Chloride	2.361	49	524664	45.39	ug/L		99
19) Acetone	2.386	43	566161	186.56	ug/L		97
20) Methyl acetate	2.447	43	1797103	218.52	ug/L		96
21) trans-1,2-Dichloroethene	2.453	61	548581	46.95	ug/L		96
22) Hexane	2.495	56	380170	46.70	ug/L	#	84
23) Methyl Tert Butyl Ether	2.508	73	1137499	51.53	ug/L	#	57
24) Acetonitrile	2.642	41	450696	418.78	ug/L		99
25) Tert Butyl Alcohol	2.544	59	474243	370.87	ug/L	#	48
26) Di-isopropyl ether	2.709	45	1407978	58.18	ug/L		96
27) Chloroprene	2.806	53	940854	29.05	ug/L		84
28) 1,1-Dichloroethane	2.788	63	709249	46.25	ug/L		98
29) Acrylonitrile	2.806	52	624929	154.87	ug/L	#	74
30) ETBE	2.904	59	1309718	55.47	ug/L		99
31) Vinyl acetate	2.910	43	4520202	258.97	ug/L		96
32) cis-1,2-Dichloroethene	3.081	96	387854	43.40	ug/L		97
33) 2,2-Dichloropropane	3.142	77	545841	47.85	ug/L		98
34) Bromochloromethane	3.190	128	174850	38.26	ug/L		91
35) Cyclohexane	3.197	56	753179	51.74	ug/L		89
36) Chloroform	3.221	83	657713	40.94	ug/L		100
37) Ethyl acetate	2.910	43	4537829	423.17	ug/L		68
38) Tetrahydrofuran	3.318	42	159538	42.45	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000251.D
Acq On : 24 Sep 2024 02:08 pm
Operator : davidb2
Sample : ICC13-5 Inst : MSVOA22-3B
Misc : ms57558,V3B13,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 25 06:13:39 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
40) Carbon Tetrachloride	3.312	117	454347m	38.30	ug/L		
41) 1,1,1-Trichloroethane	3.349	97	545860	42.81	ug/L		98
42) 2-Butanone	3.386	43	1081342	209.77	ug/L		97
43) 1,1-Dichloropropene	3.410	75	465527	46.89	ug/L		97
44) tert-Butyl formate	3.465	59	1708837	324.82	ug/L		88
45) Propionitrile	3.556	54	643899	408.59	ug/L	#	1
46) Methacrylonitrile	3.568	41	2791061	460.57	ug/L		97
47) Benzene	3.550	78	1469042	44.46	ug/L		89
48) TAME	3.605	73	1111392	54.66	ug/L	#	79
50) 1,2-Dichloroethane	3.666	62	512147	43.09	ug/L		98
51) Isobutyl Alcohol	3.636	43	265330m	346.76	ug/L		
52) Tert Amyl Alcohol	3.703	59	290546	306.25	ug/L		91
53) Trichloroethene	3.879	95	369785	40.53	ug/L		98
54) Methylcyclohexane	3.885	83	649278	44.77	ug/L		94
55) Dibromomethane	4.129	93	221816	37.72	ug/L		97
56) 1,2-Dichloropropane	4.190	63	410323	46.97	ug/L		98
57) Bromodichloromethane	4.221	83	480528	42.83	ug/L		99
58) Methyl methacrylate	4.300	41	387097	52.74	ug/L		90
59) 1,4-Dioxane	4.343	88	61267	744.16	ug/L		91
60) 2-Chloroethyl vinyl ether	4.562	63	1338888	260.23	ug/L		94
61) cis-1,3-Dichloropropene	4.605	75	620337	51.74	ug/L		98
64) Toluene	4.763	91	1517081	49.33	ug/L		97
65) 2-Nitropropane	4.556	41	57857	25.48	ug/L	#	1
66) 4-Methyl-2-pentanone	4.995	43	2117804	239.39	ug/L		97
67) trans-1,3-Dichloropropene	4.605	75	620337	63.60	ug/L		99
68) Tetrachloroethene	5.013	166	393404	43.56	ug/L		96
69) Ethyl methacrylate	5.117	69	444747	52.58	ug/L		91
70) 1,1,2-Trichloroethane	5.129	83	280392	50.74	ug/L		97
71) Dibromochloromethane	5.251	129	330798	47.26	ug/L		99
72) 1,3-Dichloropropane	5.312	76	605312	56.36	ug/L		93
73) 1,2-Dibromoethane	5.416	107	347241	51.48	ug/L		98
74) 3,3-Dimethyl-1-Butanol	5.532	57	1834912	1702.81	ug/L		95
75) 2-hexanone	5.556	43	1720381	200.18	ug/L	#	62
76) 1-Chlorohexane	5.757	91	502585m	43.09	ug/L		
77) Ethylbenzene	5.794	91	1635548m	47.41	ug/L		
78) Chlorobenzene	5.781	112	912109	45.21	ug/L		93
79) 1,1,1,2-Tetrachloroethane	5.818	131	315450	49.39	ug/L		97
80) m,p-Xylene	5.897	91	2554315	92.06	ug/L		95
81) o-Xylene	6.208	91	1325281	46.77	ug/L		98
82) Styrene	6.245	104	1052616	52.61	ug/L		97
83) Bromoform	6.269	173	209406	43.09	ug/L		98
84) Isopropylbenzene	6.440	105	1571588	48.62	ug/L		98
87) cis-1,4-Dichloro-2-butene	6.696	53	160110	69.90	ug/L		91
88) n-Propylbenzene	6.757	91	1849000	49.73	ug/L		100
89) Bromobenzene	6.732	156	356787	46.42	ug/L	#	78
90) 1,1,2,2-Tetrachloroethane	6.800	83	436417	51.21	ug/L		99
91) 1,3,5-Trimethylbenzene	6.909	105	1332726	56.16	ug/L		99
92) 2-Chlorotoluene	6.873	91	1228007	59.55	ug/L		99
93) trans-1,4-Dichloro-2-B...	6.940	53	120292	41.61	ug/L	#	83
94) 1,2,3-Trichloropropane	6.909	110	137291	55.25	ug/L		90
95) Cyclohexanone	6.940	55	60991	236.41	ug/L		91
96) 4-Chlorotoluene	7.001	91	1175153	54.69	ug/L		94
97) tert-Butylbenzene	7.153	91	747260	52.58	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000251.D
Acq On : 24 Sep 2024 02:08 pm
Operator : davidb2
Sample : ICC13-5 Inst : MSVOA22-3B
Misc : ms57558,V3B13,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 25 06:13:39 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration

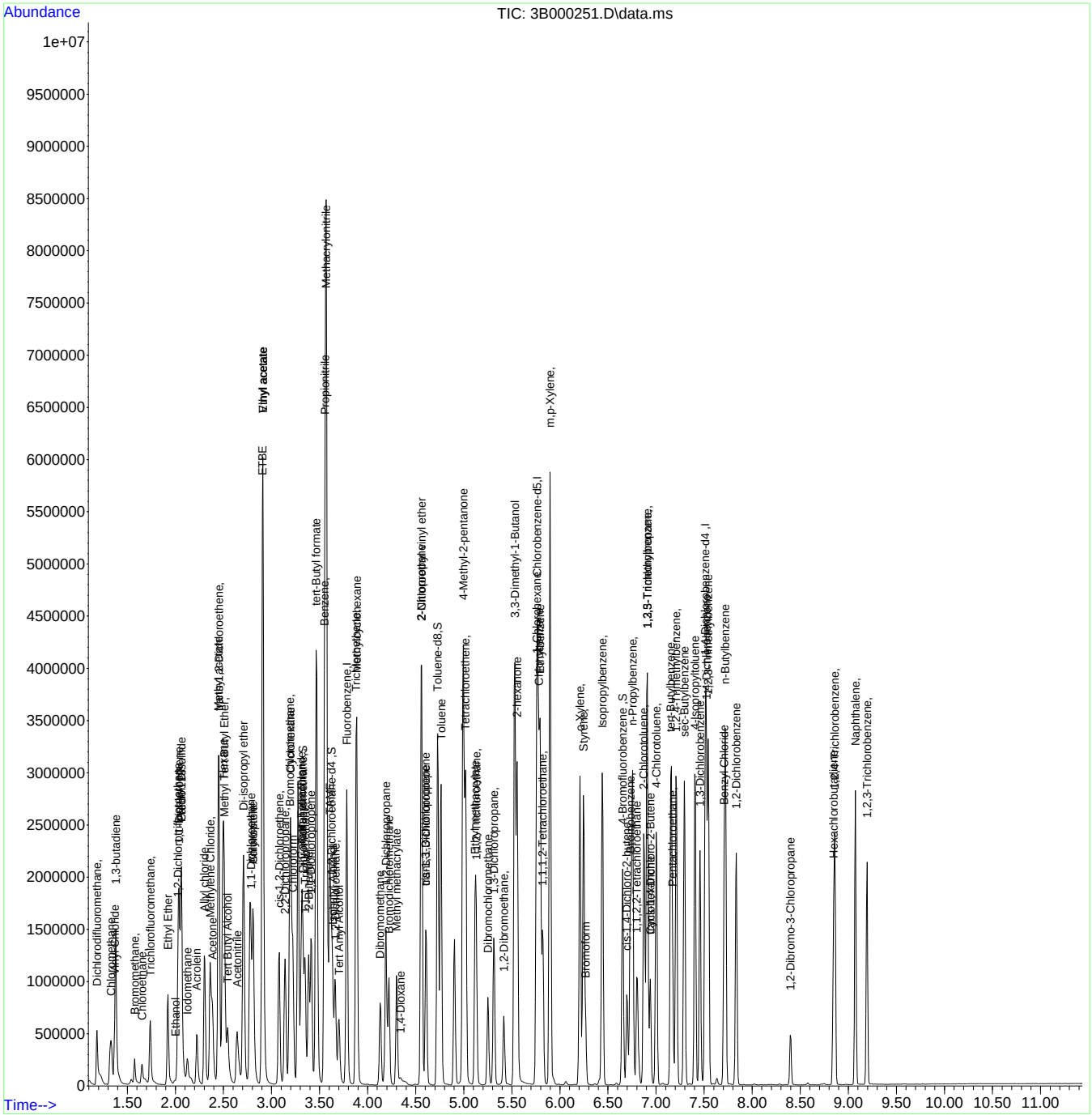
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
98) 1,2,4-Trimethylbenzene	7.208	105	1337955	60.21	ug/L		99
99) Pentachloroethane	7.171	167	155835	47.77	ug/L	#	1
100) sec-Butylbenzene	7.293	105	1613925	52.99	ug/L		99
101) 4-Isopropyltoluene	7.403	119	1371906	54.93	ug/L		99
102) 1,3-Dichlorobenzene	7.458	146	691908	49.74	ug/L		97
103) 1,2,3-Trimethylbenzene	7.543	105	1366069	60.06	ug/L		98
104) 1,4-Dichlorobenzene	7.525	146	691478	48.30	ug/L		98
105) n-Butylbenzene	7.720	92	765753	66.35	ug/L		90
106) Benzyl Chloride	7.708	126	181297	65.51	ug/L	#	68
107) 1,2-Dichlorobenzene	7.836	146	665638	51.41	ug/L		97
108) 1,2-Dibromo-3-Chloropr...	8.397	75	85636	53.70	ug/L		87
109) Hexachlorobutadiene	8.848	225	166475	48.49	ug/L		88
110) 1,2,4-Trichlorobenzene	8.860	180	447100	63.17	ug/L		98
111) Naphthalene	9.074	128	1393986	76.39	ug/L		100
112) 1,2,3-Trichlorobenzene	9.195	180	423397	67.39	ug/L		97

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

Quantitation Report (QT Reviewed)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000251.D
Acq On : 24 Sep 2024 02:08 pm
Operator : davidb2
Sample : ICC13-5 Inst : MSVOA22-3B
Misc : ms57558,V3B13,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 25 06:13:39 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: V3B13-ICC13
Lab FileID: 3B000251.D
Injection Time: 09/24/24 14:08

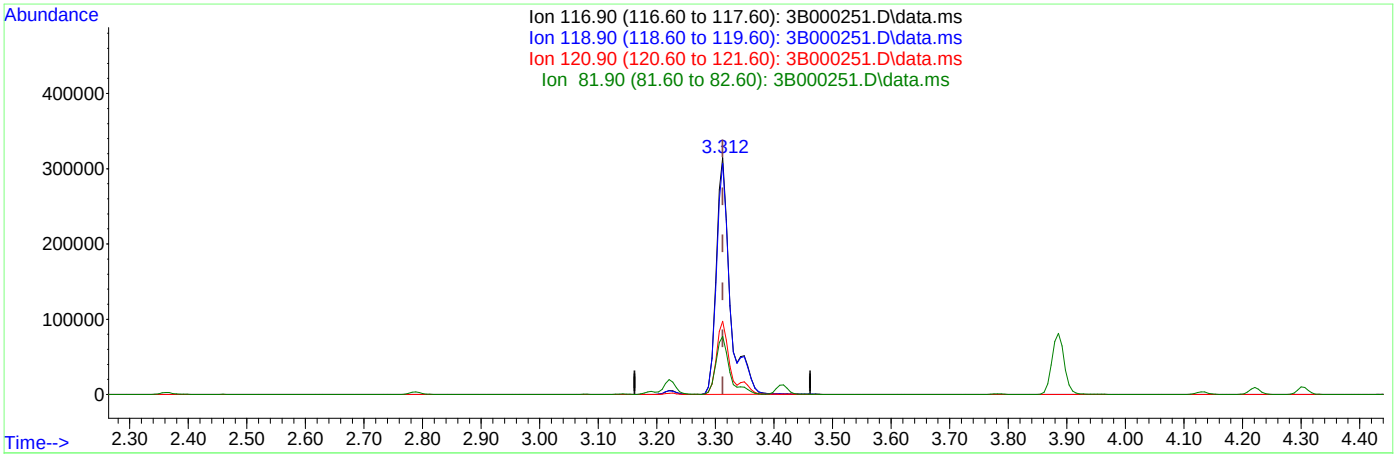
Method: SW846 8260D
Analyst approved: 09/25/24 07:00 Neil Christiana
Supervisor approved: 09/25/24 07:51 Karen Watson

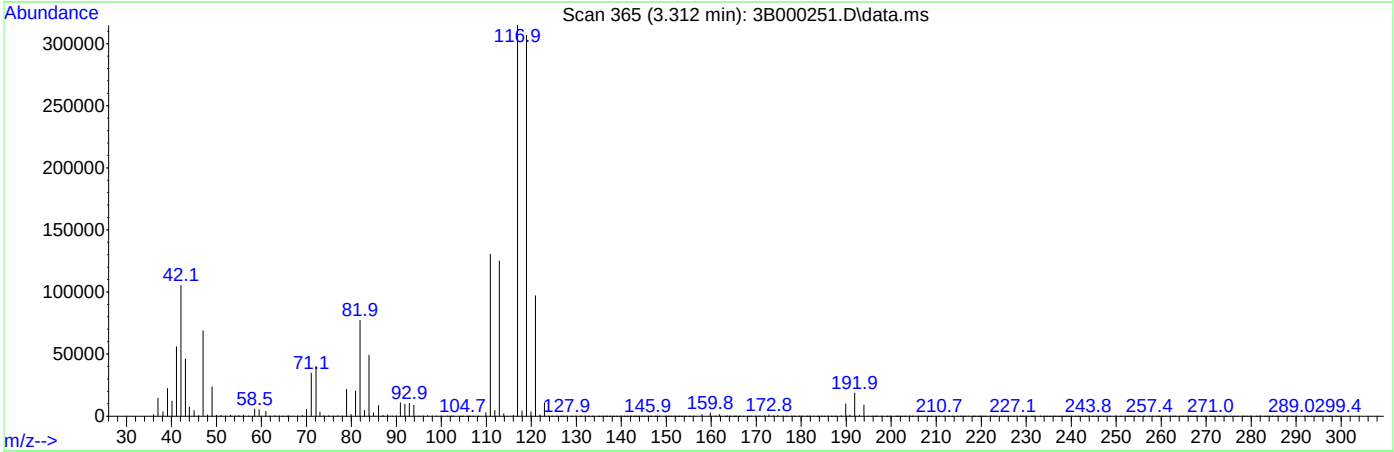
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		2.00	Poorly defined baseline
Carbon Tetrachloride	56-23-5		3.31	Overlapping peak
Isobutyl Alcohol	78-83-1		3.64	Poorly defined baseline
1-Chlorohexane	544-10-5		5.76	Poorly defined baseline
Ethylbenzene	100-41-4		5.79	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000251.D
Acq On : 24 Sep 2024 02:08 pm
Operator : davidb2
Sample : ICC13-5 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 25 06:13:39 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000251.D\data.ms

(40) Carbon Tetrachloride ( )

3.312min (+0.000) 43.83ug/L

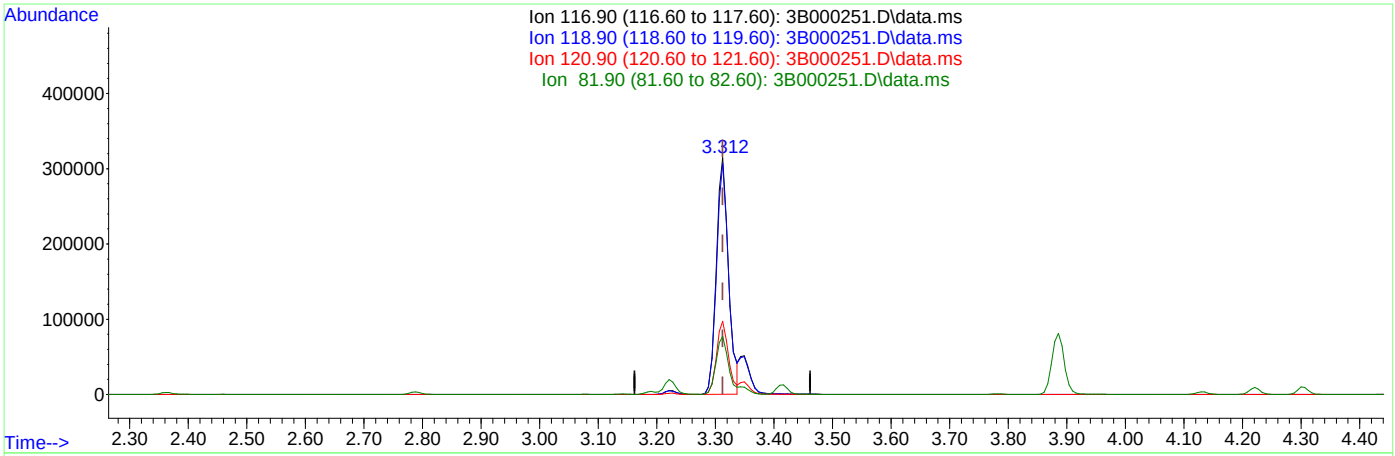
response 519877

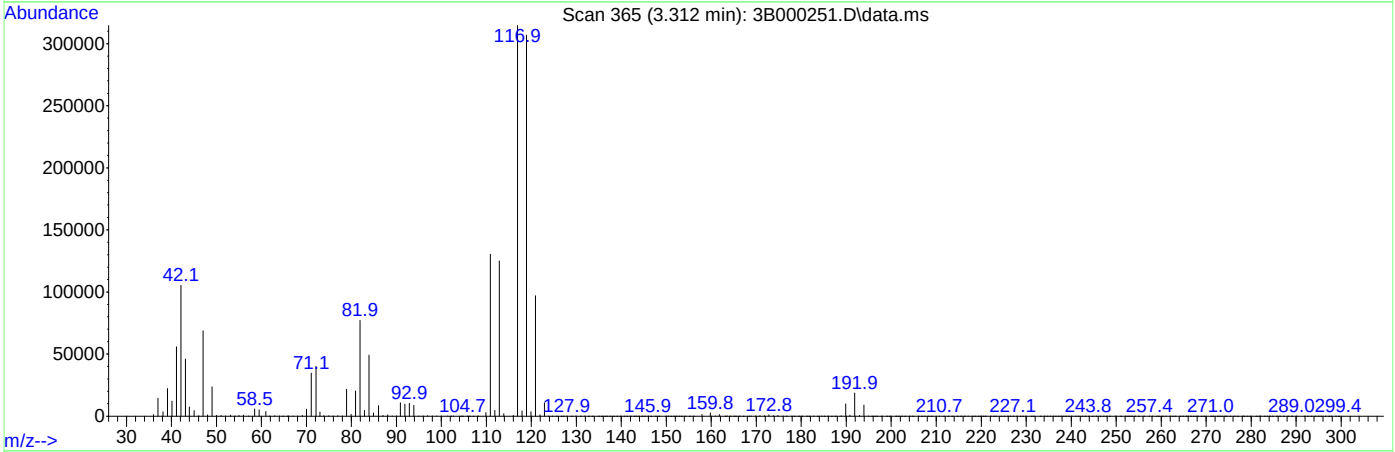
Ion	Exp%	Act%
116.90	100	100
118.90	94.70	97.55
120.90	29.70	30.84
81.90	27.10	24.39

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000251.D
Acq On : 24 Sep 2024 02:08 pm
Operator : davidb2
Sample : ICC13-5 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 25 06:13:39 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000251.D\data.ms

(40) Carbon Tetrachloride ( )

3.312min (+0.000) 38.30ug/L m

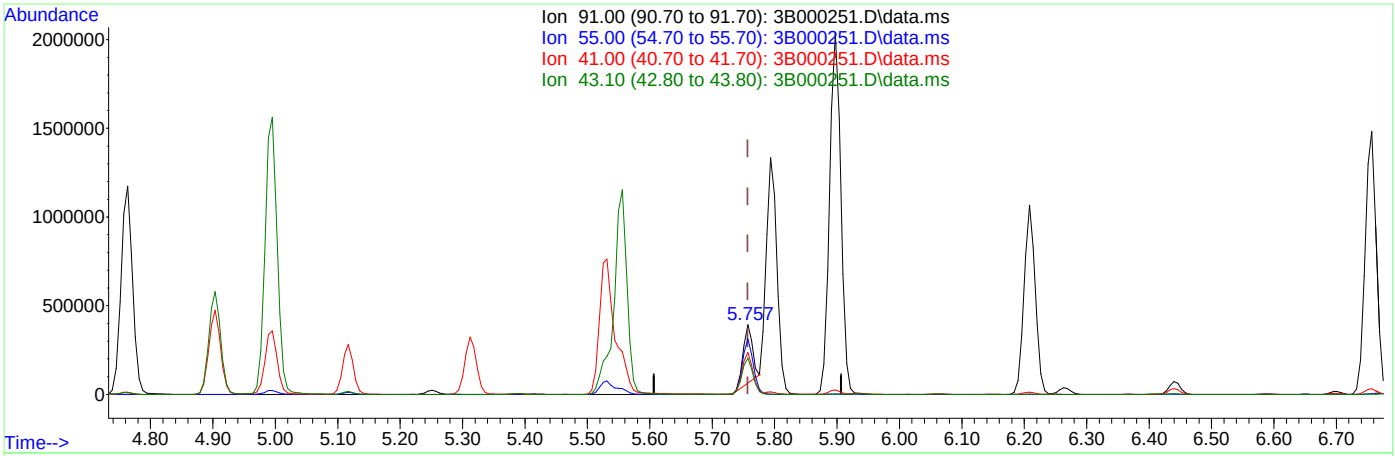
response 454347

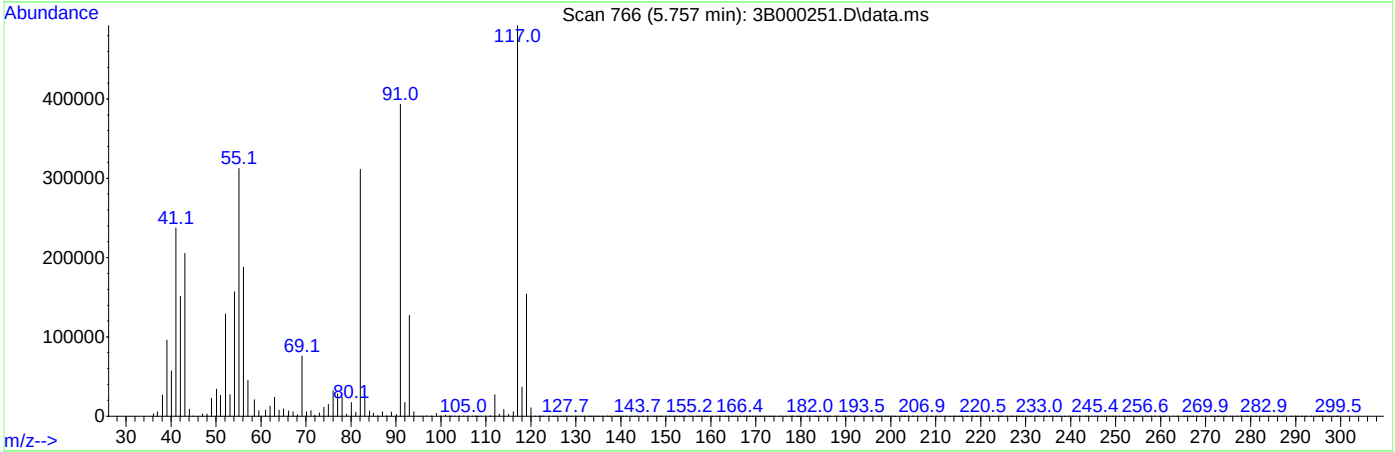
Ion	Exp%	Act%
116.90	100	100
118.90	94.70	97.56
120.90	29.70	30.85
81.90	27.10	24.49

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000251.D
Acq On : 24 Sep 2024 02:08 pm
Operator : davidb2
Sample : ICC13-5 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 25 06:13:39 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000251.D\data.ms

(76) 1-Chlorohexane

5.757min (+0.000) 30.59ug/L

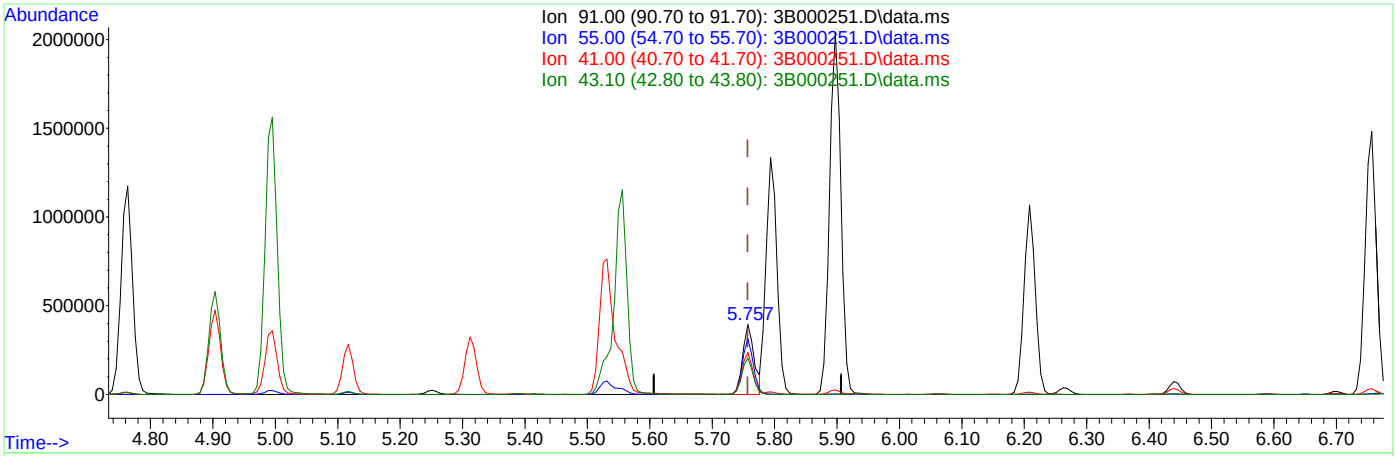
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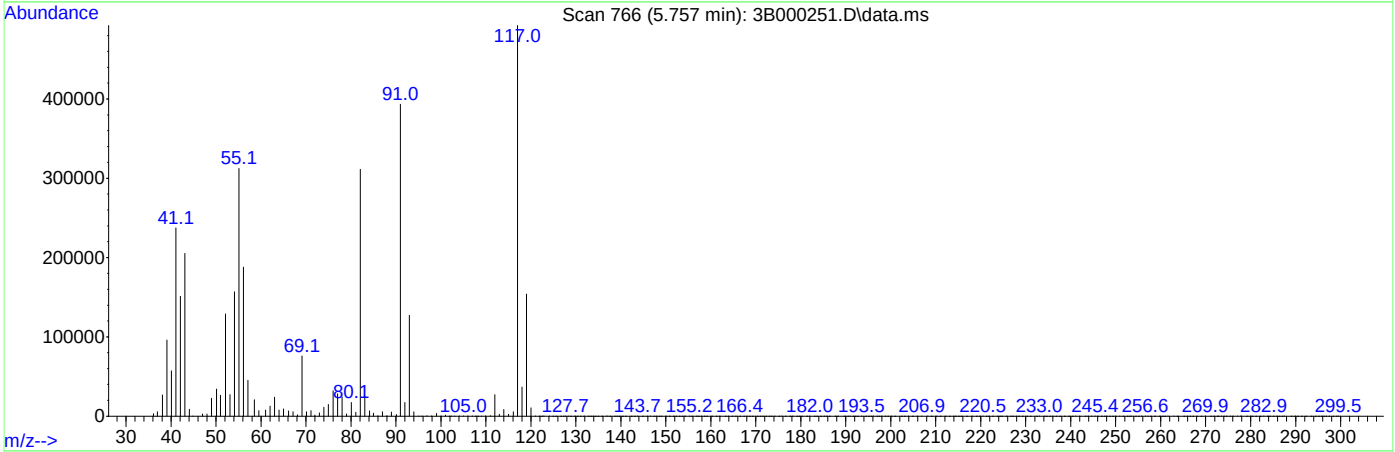
Ion	Exp%	Act%
91.00	100	100
55.00	72.90	79.18
41.00	59.60	59.53
43.10	44.70	51.80

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000251.D
Acq On : 24 Sep 2024 02:08 pm
Operator : davidb2
Sample : ICC13-5 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 25 06:13:39 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000251.D\data.ms

(76) 1-Chlorohexane

5.757min (+0.000) 43.09ug/L m

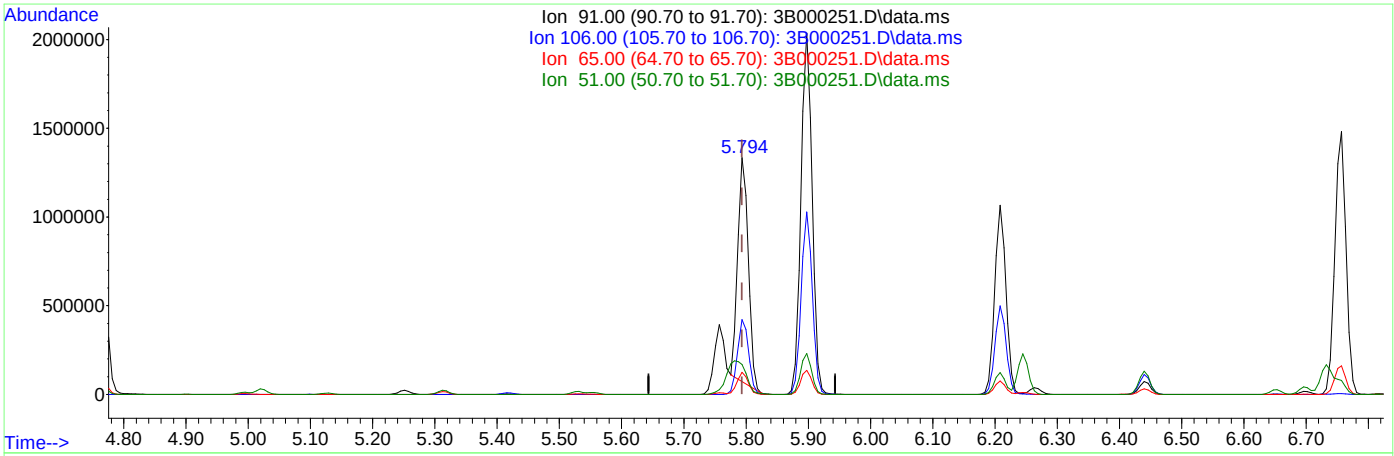
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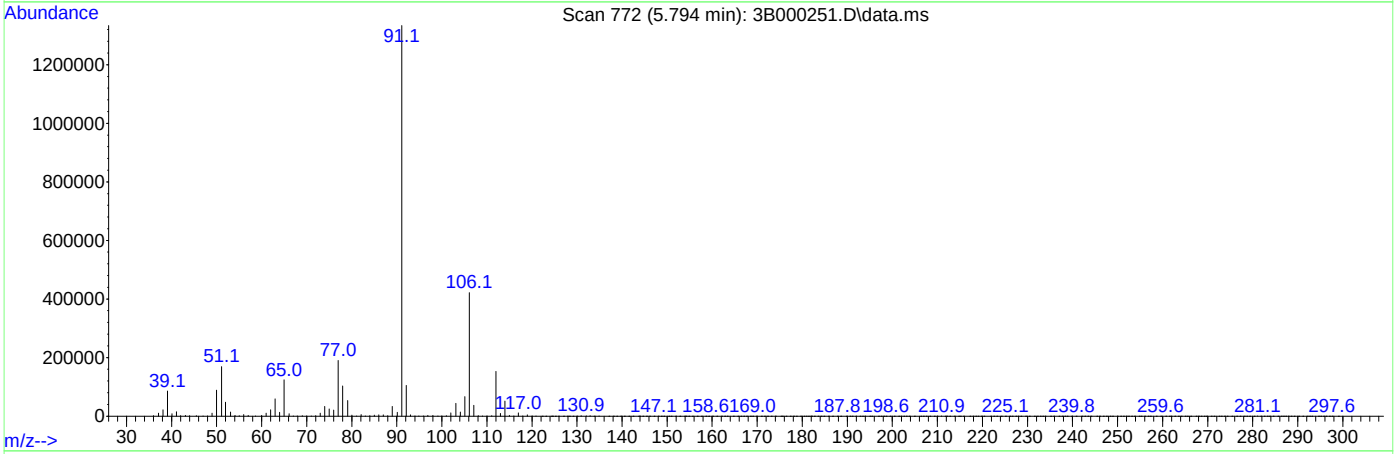
Ion	Exp%	Act%
91.00	100	100
55.00	72.90	79.48
41.00	59.60	60.35
43.10	44.70	52.21

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000251.D
Acq On : 24 Sep 2024 02:08 pm
Operator : davidb2
Sample : ICC13-5 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 25 06:13:39 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000251.D\data.ms

(77) Ethylbenzene

5.794min (+0.000) 42.28ug/L

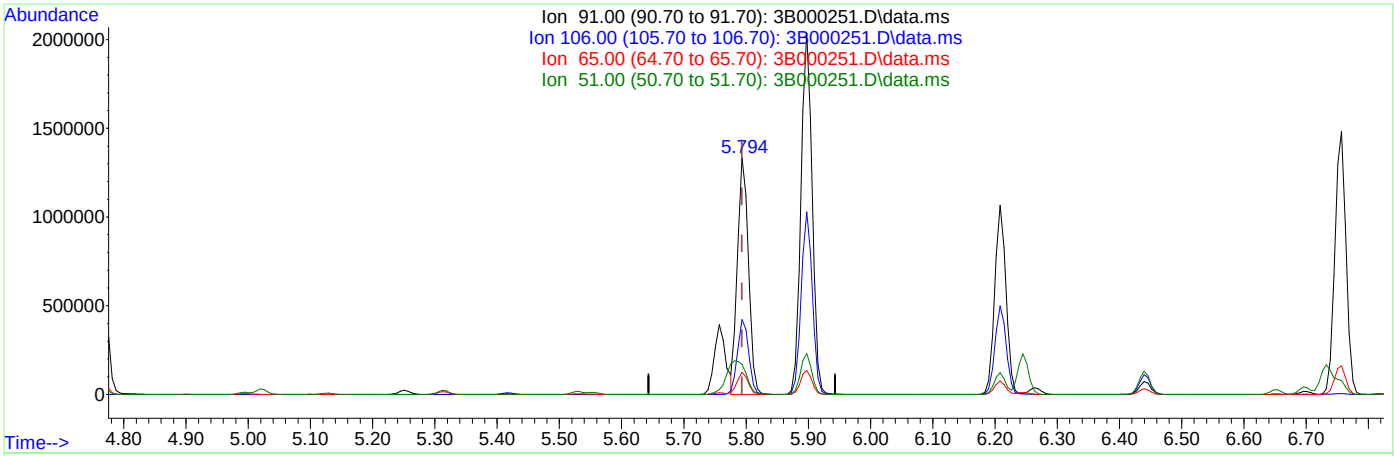
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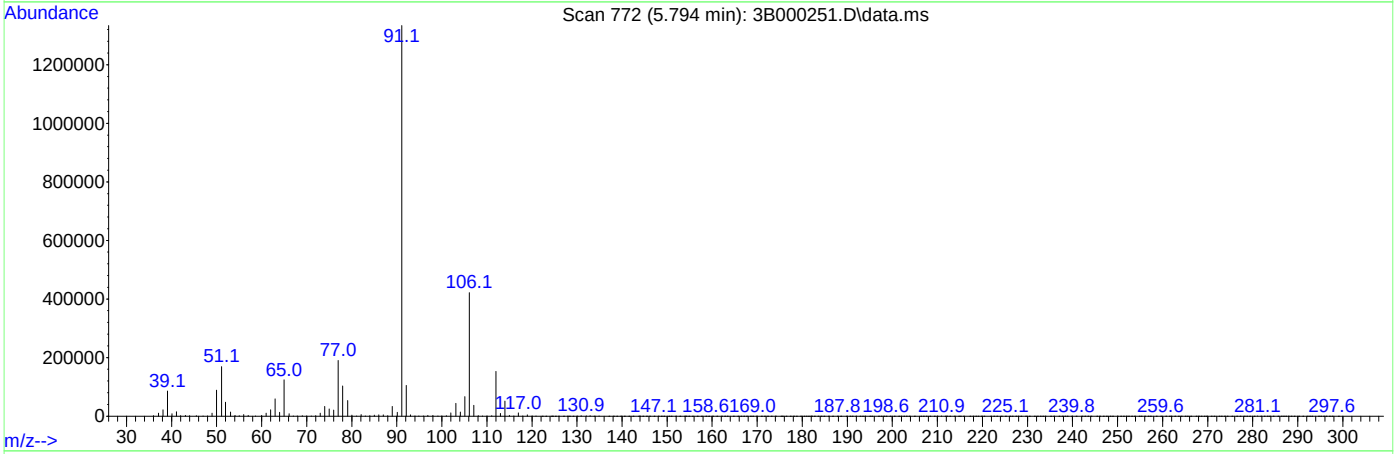
Ion	Exp%	Act%
91.00	100	100
106.00	30.40	31.60
65.00	9.00	9.24
51.00	10.80	12.37

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000251.D
Acq On : 24 Sep 2024 02:08 pm
Operator : davidb2
Sample : ICC13-5 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 25 06:13:39 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000251.D\data.ms

(77) Ethylbenzene

5.794min (+0.000) 47.41ug/L m

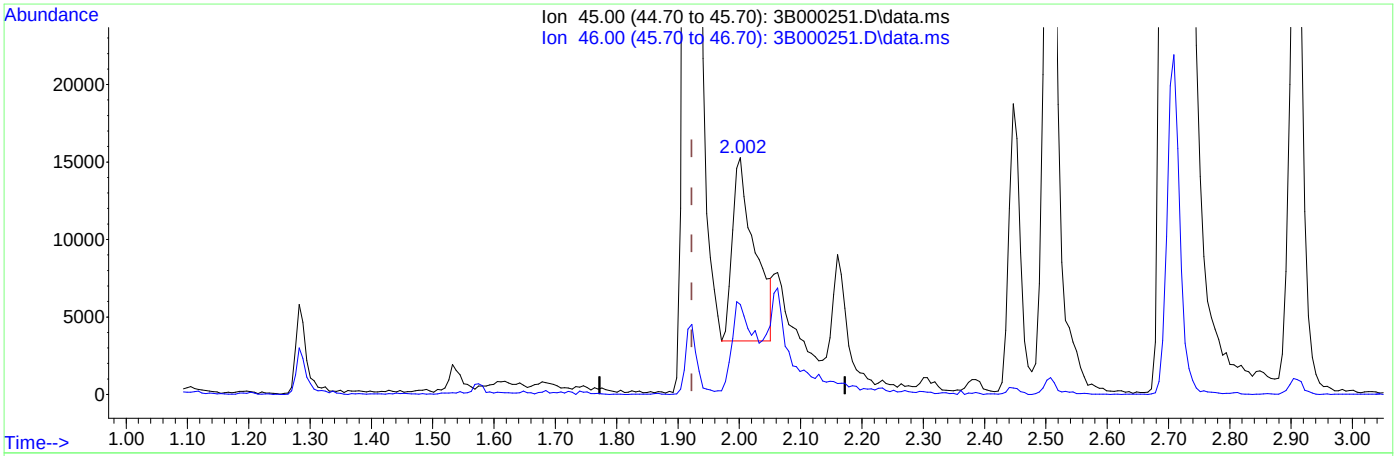
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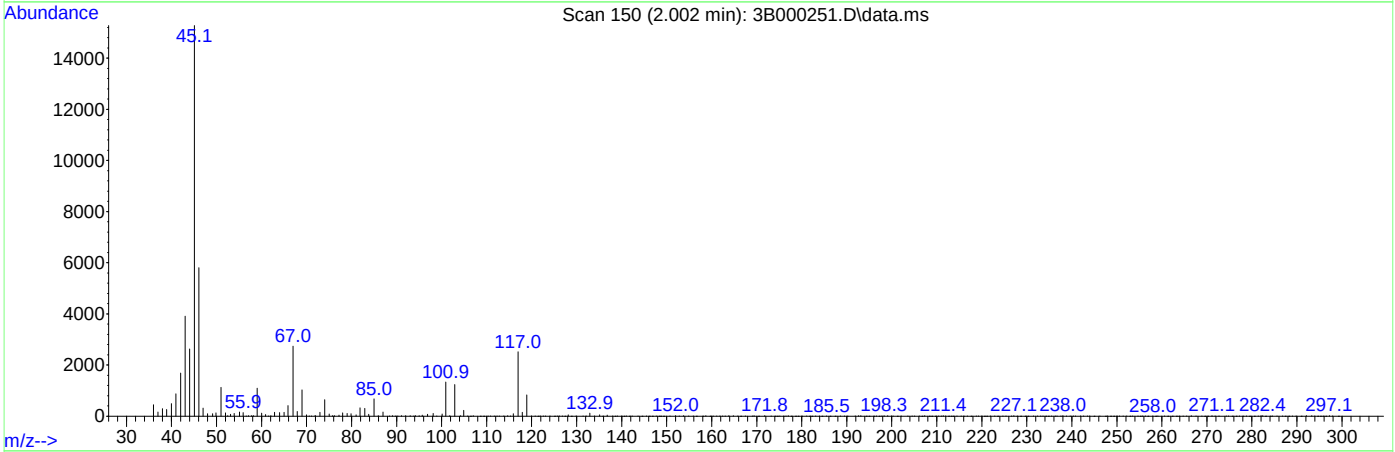
Ion	Exp%	Act%
91.00	100	100
106.00	30.40	31.62
65.00	9.00	9.31
51.00	10.80	12.69

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000251.D
Acq On : 24 Sep 2024 02:08 pm
Operator : davidb2
Sample : ICC13-5 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 25 06:13:39 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000251.D\data.ms

(10) Ethanol

2.002min (+0.079) 320.33ug/L

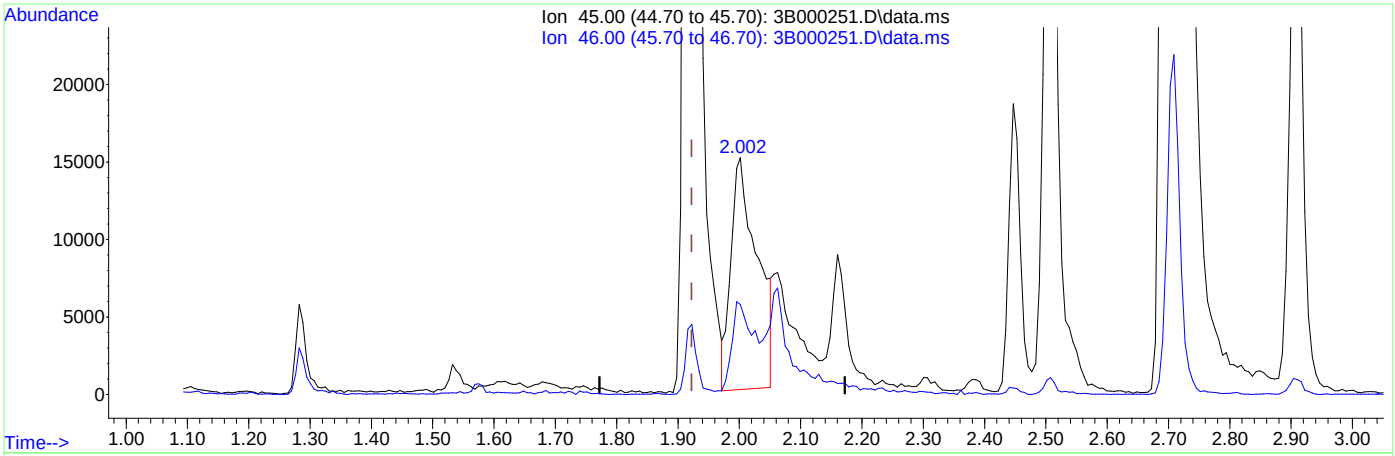
response 29777

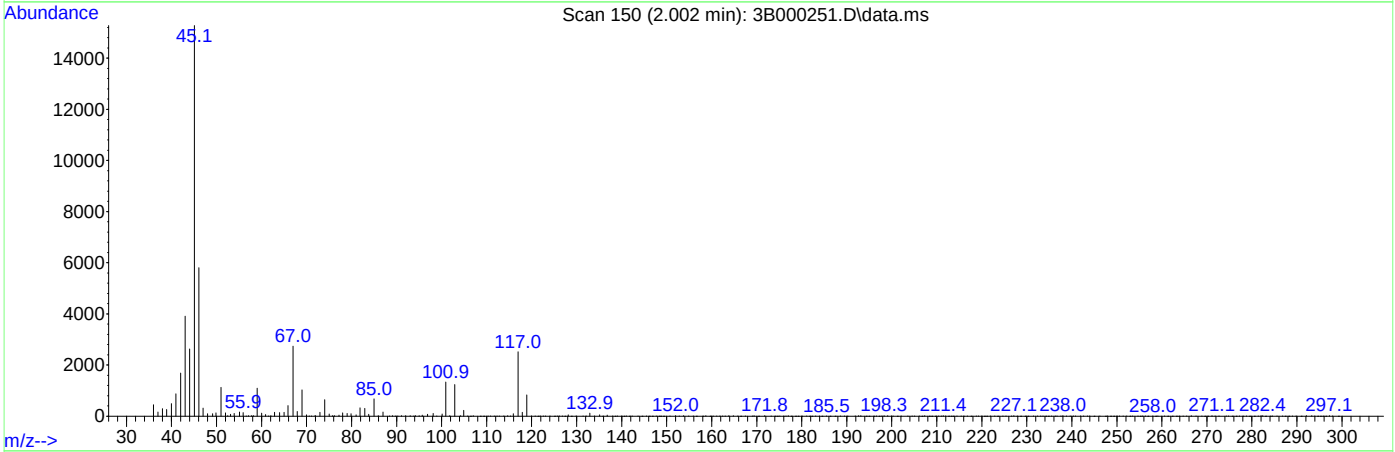
Ion	Exp%	Act%
45.00	100	100
46.00	40.60	47.11
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000251.D
Acq On : 24 Sep 2024 02:08 pm
Operator : davidb2
Sample : ICC13-5 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 25 06:13:39 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000251.D\data.ms

(10) Ethanol

2.002min (+0.079) 482.50ug/L m

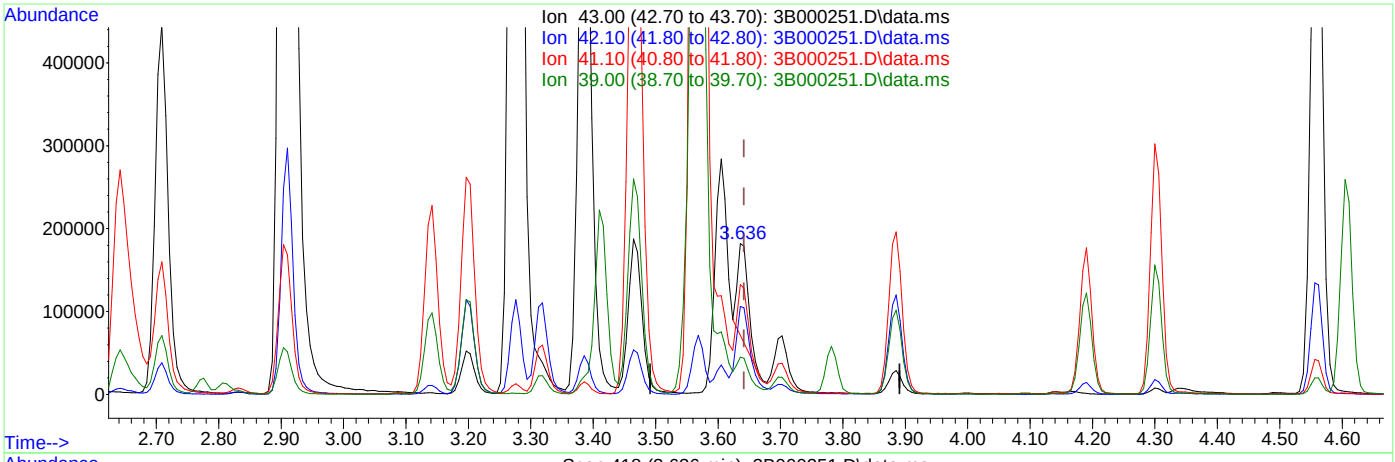
response 44565

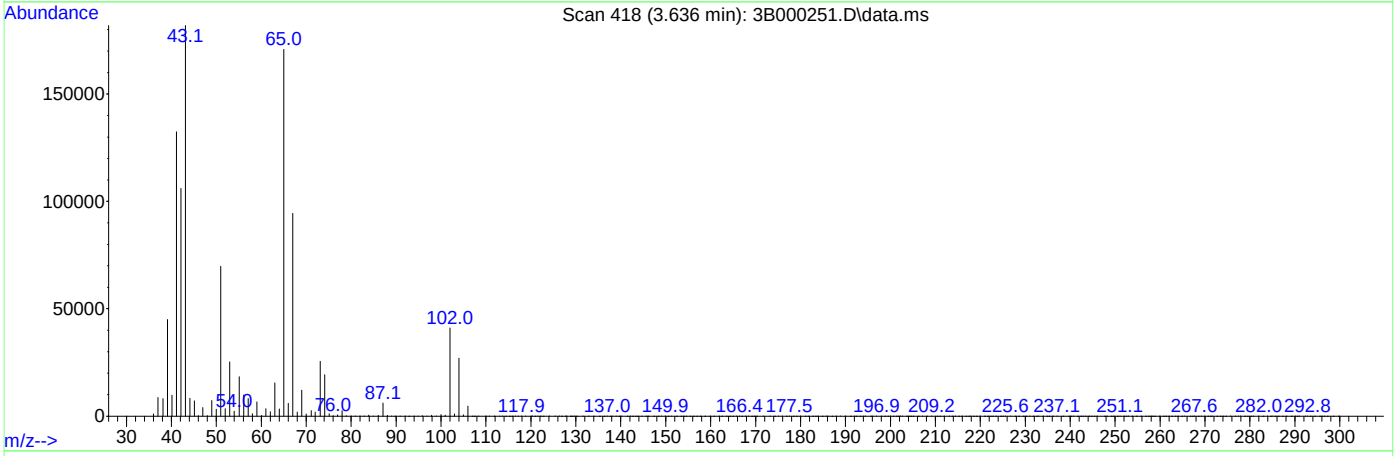
Ion	Exp%	Act%
45.00	100	100
46.00	40.60	37.99
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000251.D
Acq On : 24 Sep 2024 02:08 pm
Operator : davidb2
Sample : ICC13-5 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 25 06:13:39 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000251.D\data.ms

(51) Isobutyl Alcohol

3.636min (-0.006) 163.77ug/L

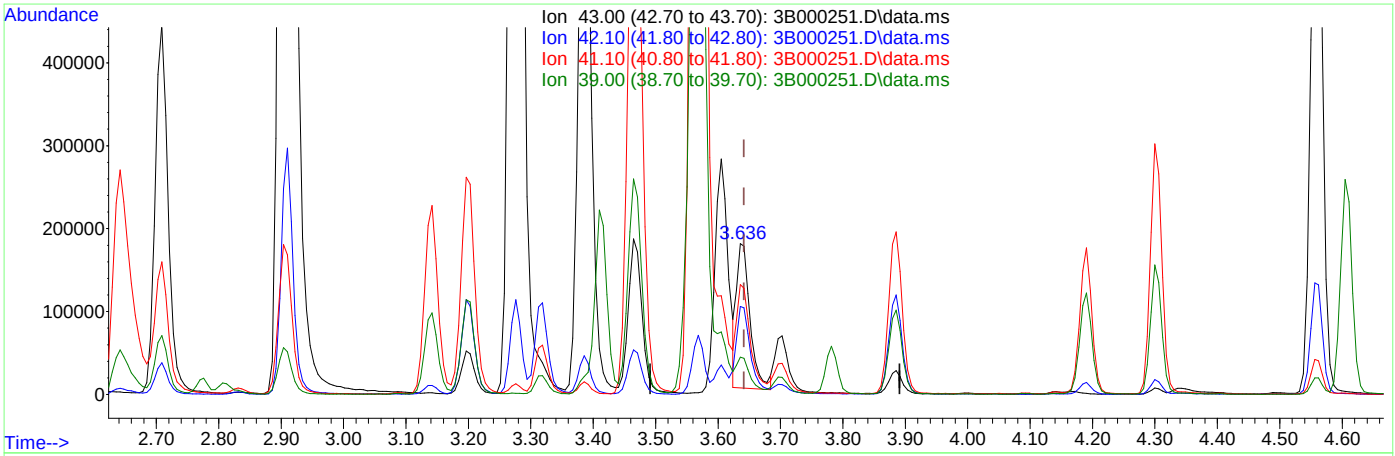
response 125314

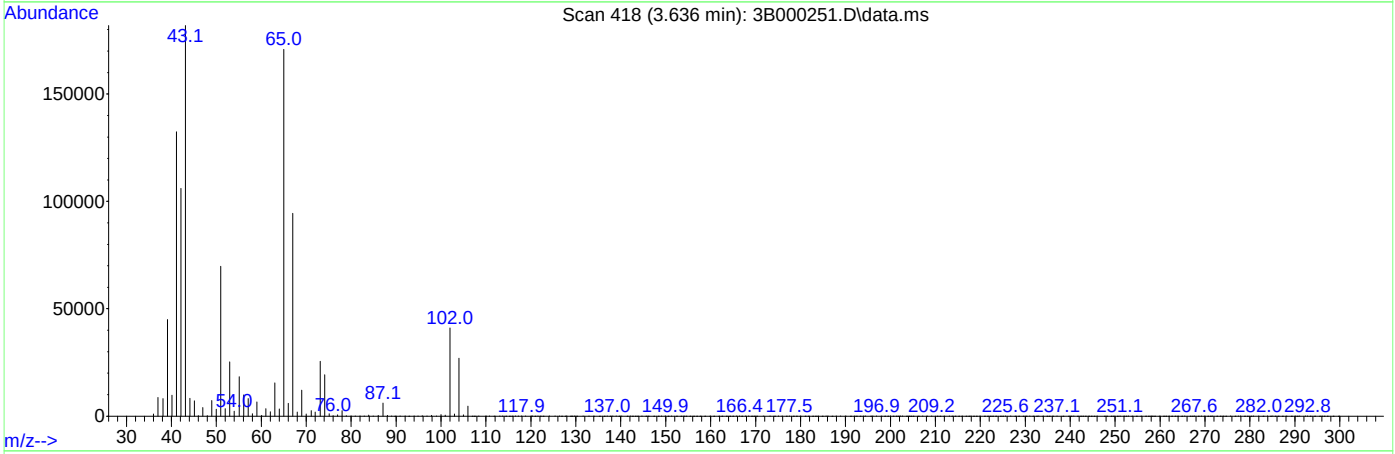
Ion	Exp%	Act%
43.00	100	100
42.10	33.00	58.18
41.10	49.00	71.11
39.00	31.10	23.20

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000251.D
Acq On : 24 Sep 2024 02:08 pm
Operator : davidb2
Sample : ICC13-5 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 25 06:13:39 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000251.D\data.ms

(51) Isobutyl Alcohol

3.636min (-0.006) 346.76ug/L m

response 265330

Ion	Exp%	Act%
43.00	100	100
42.10	33.00	58.25
41.10	49.00	72.81
39.00	31.10	24.69

3B000252.D

Manual Integrations APPROVED (compounds with "m" flag)

Karen Watson 09/25/24 07:51

Quantitation Report (QT Reviewed)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000252.D
Acq On : 24 Sep 2024 02:32 pm
Operator : davidb2
Sample : IC13-6 Inst : MSVOA22-3B
Misc : ms57558,V3B13,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 25 06:13:42 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	3.782	96	1725898	50.00	ug/L		0.00
62) Chlorobenzene-d5	5.769	117	1078724	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	7.513	152	552884	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	3.325	113	389305	39.07	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 78.14%#				
49) 1,2-Dichloroethane-d4	3.623	65	435891	37.33	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 74.66%#				
63) Toluene-d8	4.727	98	1649554	56.03	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 112.06%#				
86) 4-Bromofluorobenzene	6.653	174	425833	49.93	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.86%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.179	85	810098	78.45	ug/L		98
3) Chloromethane	1.331	50	776479	79.91	ug/L		98
4) 1,3-butadiene	1.380	39	588131	70.38	ug/L		97
5) Vinyl Chloride	1.368	62	753174	74.65	ug/L		98
6) Bromomethane	1.575	94	182234	29.91	ug/L		98
7) Chloroethane	1.648	64	213413	31.60	ug/L		97
8) Trichlorofluoromethane	1.733	101	567942	37.68	ug/L		99
9) Ethyl Ether	1.922	59	582911	84.84	ug/L		98
10) Ethanol	2.002	45	64059m	703.42	ug/L		
11) 1,2-Dichlorotrifluoroe...	2.026	67	721546	73.19	ug/L		92
12) 1,1-Dichloroethene	2.038	61	975659	82.06	ug/L		95
13) Freon 113	2.057	101	564594	71.54	ug/L		96
14) Carbon Disulfide	2.057	76	1688167	69.13	ug/L		100
15) Iodomethane	2.124	142	438564	64.50	ug/L		92
16) Acrolein	2.221	56	577723	344.90	ug/L		97
17) Allyl chloride	2.300	41	1085664	101.07	ug/L		84
18) Methylene Chloride	2.361	49	860732	74.86	ug/L		98
19) Acetone	2.386	43	998585	330.80	ug/L		96
20) Methyl acetate	2.447	43	3099096	378.84	ug/L		97
21) trans-1,2-Dichloroethene	2.453	61	917699	78.95	ug/L		94
22) Hexane	2.495	56	626692	77.40	ug/L	#	83
23) Methyl Tert Butyl Ether	2.508	73	1913674	87.16	ug/L	#	54
24) Acetonitrile	2.642	41	743559	797.72	ug/L		98
25) Tert Butyl Alcohol	2.544	59	924267	726.65	ug/L	#	48
26) Di-isopropyl ether	2.709	45	2368016	98.37	ug/L		96
27) Chloroprene	2.812	53	1635974	50.78	ug/L		84
28) 1,1-Dichloroethane	2.788	63	1201767	78.79	ug/L		98
29) Acrylonitrile	2.812	52	1122719	279.71	ug/L	#	73
30) ETBE	2.904	59	2150762	91.58	ug/L		99
31) Vinyl acetate	2.910	43	7084018	408.01	ug/L		98
32) cis-1,2-Dichloroethene	3.081	96	659799	74.23	ug/L		96
33) 2,2-Dichloropropane	3.142	77	922798	81.33	ug/L		98
34) Bromochloromethane	3.190	128	281627	61.95	ug/L		96
35) Cyclohexane	3.197	56	1251176	86.41	ug/L		91
36) Chloroform	3.221	83	1108785	69.38	ug/L		100
37) Ethyl acetate	2.910	43	7111521	666.70	ug/L		68
38) Tetrahydrofuran	3.318	42	277301	74.17	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000252.D
Acq On : 24 Sep 2024 02:32 pm
Operator : davidb2
Sample : IC13-6 Inst : MSVOA22-3B
Misc : ms57558,V3B13,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 25 06:13:42 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
40) Carbon Tetrachloride	3.312	117	774875m	65.67	ug/L		
41) 1,1,1-Trichloroethane	3.349	97	928439	73.20	ug/L		97
42) 2-Butanone	3.386	43	1993542	388.78	ug/L		98
43) 1,1-Dichloropropene	3.410	75	785407	79.54	ug/L		96
44) tert-Butyl formate	3.465	59	2977147	568.92	ug/L		88
45) Propionitrile	3.556	54	1112071	709.43	ug/L	#	1
46) Methacrylonitrile	3.568	41	4685674	777.33	ug/L		97
47) Benzene	3.550	78	2424041	73.76	ug/L		91
48) TAME	3.605	73	1877435	92.83	ug/L	#	80
50) 1,2-Dichloroethane	3.666	62	852631	72.12	ug/L		99
51) Isobutyl Alcohol	3.642	43	506388m	665.31	ug/L		
52) Tert Amyl Alcohol	3.703	59	578989	613.53	ug/L		89
53) Trichloroethene	3.879	95	623395	68.70	ug/L		97
54) Methylcyclohexane	3.885	83	1066817	73.96	ug/L		94
55) Dibromomethane	4.129	93	374929	64.09	ug/L		98
56) 1,2-Dichloropropane	4.190	63	693554	79.81	ug/L		99
57) Bromodichloromethane	4.221	83	821059	73.56	ug/L		99
58) Methyl methacrylate	4.300	41	727078	99.59	ug/L		89
59) 1,4-Dioxane	4.343	88	99301	1212.54	ug/L		89
60) 2-Chloroethyl vinyl ether	4.562	63	2311279	451.62	ug/L		93
61) cis-1,3-Dichloropropene	4.605	75	1049875	88.04	ug/L		98
64) Toluene	4.763	91	2573874	84.05	ug/L		97
65) 2-Nitropropane	4.562	41	98661	43.29	ug/L	#	1
66) 4-Methyl-2-pentanone	4.995	43	3977190	451.50	ug/L		96
67) trans-1,3-Dichloropropene	4.605	75	1049875	108.10	ug/L		99
68) Tetrachloroethene	5.013	166	673118	74.84	ug/L		96
69) Ethyl methacrylate	5.117	69	821001	97.47	ug/L		89
70) 1,1,2-Trichloroethane	5.129	83	465642	84.62	ug/L		96
71) Dibromochloromethane	5.251	129	565750	81.17	ug/L		99
72) 1,3-Dichloropropane	5.312	76	1018665	95.26	ug/L		93
73) 1,2-Dibromoethane	5.416	107	592272	88.18	ug/L		99
74) 3,3-Dimethyl-1-Butanol	5.532	57	3845258	3583.72	ug/L		95
75) 2-hexanone	5.556	43	3372610	394.11	ug/L	#	62
76) 1-Chlorohexane	5.757	91	850943m	73.27	ug/L		
77) Ethylbenzene	5.794	91	2735575m	79.64	ug/L		
78) Chlorobenzene	5.781	112	1538728	76.60	ug/L		92
79) 1,1,1,2-Tetrachloroethane	5.824	131	538134	84.62	ug/L		97
80) m,p-Xylene	5.897	91	4201929	152.09	ug/L		94
81) o-Xylene	6.208	91	2242720	79.49	ug/L		98
82) Styrene	6.245	104	1794886	90.10	ug/L		97
83) Bromoform	6.269	173	373132	77.12	ug/L		98
84) Isopropylbenzene	6.440	105	2636308	81.90	ug/L		98
87) cis-1,4-Dichloro-2-butene	6.696	53	301372	133.20	ug/L		90
88) n-Propylbenzene	6.757	91	3104181	84.52	ug/L		98
89) Bromobenzene	6.733	156	615097	81.02	ug/L	#	77
90) 1,1,2,2-Tetrachloroethane	6.800	83	777910	92.40	ug/L		99
91) 1,3,5-Trimethylbenzene	6.909	105	2195230	93.65	ug/L		99
92) 2-Chlorotoluene	6.873	91	2083027	102.25	ug/L		98
93) trans-1,4-Dichloro-2-B...	6.940	53	225046	78.81	ug/L	#	82
94) 1,2,3-Trichloropropane	6.909	110	240404	97.93	ug/L		90
95) Cyclohexanone	6.940	55	109604	430.07	ug/L		92
96) 4-Chlorotoluene	7.001	91	1987084	93.61	ug/L		94
97) tert-Butylbenzene	7.153	91	1247259	88.85	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000252.D
Acq On : 24 Sep 2024 02:32 pm
Operator : davidb2
Sample : IC13-6 Inst : MSVOA22-3B
Misc : ms57558,V3B13,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 25 06:13:42 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration

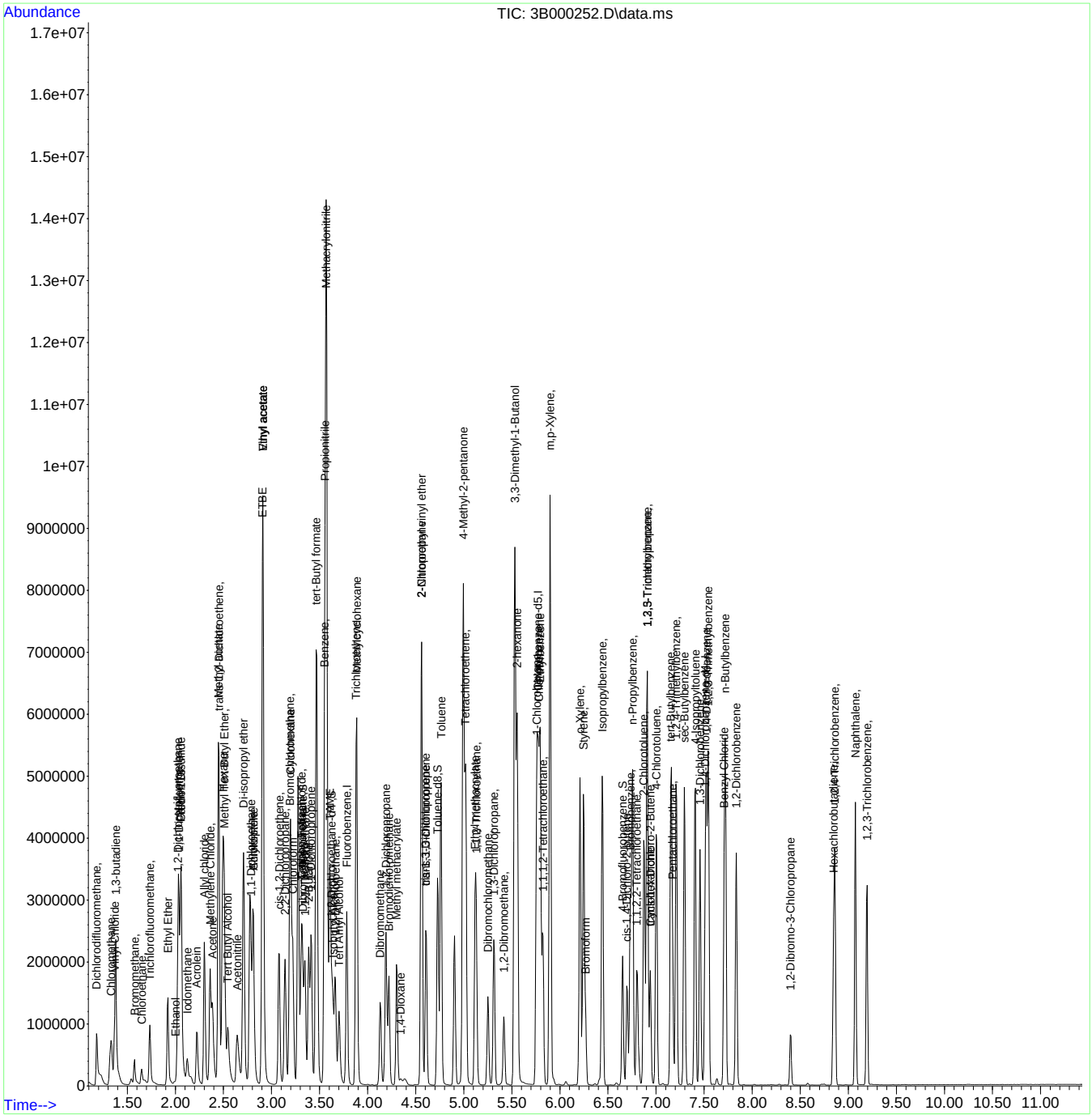
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
98)	1,2,4-Trimethylbenzene	7.208	105	2227122	101.46	ug/L		100
99)	Pentachloroethane	7.171	167	280110	90.81	ug/L	#	1
100)	sec-Butylbenzene	7.293	105	2681305	89.11	ug/L		99
101)	4-Isopropyltoluene	7.409	119	2253873	91.36	ug/L		98
102)	1,3-Dichlorobenzene	7.458	146	1164051	84.72	ug/L		97
103)	1,2,3-Trimethylbenzene	7.543	105	2243086	99.84	ug/L		99
104)	1,4-Dichlorobenzene	7.525	146	1147424	81.13	ug/L		98
105)	n-Butylbenzene	7.720	92	1242279	108.97	ug/L		90
106)	Benzyl Chloride	7.708	126	316080	106.11	ug/L	#	74
107)	1,2-Dichlorobenzene	7.836	146	1109450	86.74	ug/L		97
108)	1,2-Dibromo-3-Chloropr...	8.397	75	152146	96.58	ug/L		85
109)	Hexachlorobutadiene	8.848	225	256082	75.51	ug/L		89
110)	1,2,4-Trichlorobenzene	8.860	180	719105	102.85	ug/L		99
111)	Naphthalene	9.074	128	2282847	126.64	ug/L		100
112)	1,2,3-Trichlorobenzene	9.195	180	677868	109.23	ug/L		98

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

Quantitation Report (QT Reviewed)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000252.D
Acq On : 24 Sep 2024 02:32 pm
Operator : davidb2
Sample : IC13-6 Inst : MSVOA22-3B
Misc : ms57558,V3B13,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 25 06:13:42 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: V3B13-IC13
Lab FileID: 3B000252.D
Injection Time: 09/24/24 14:32

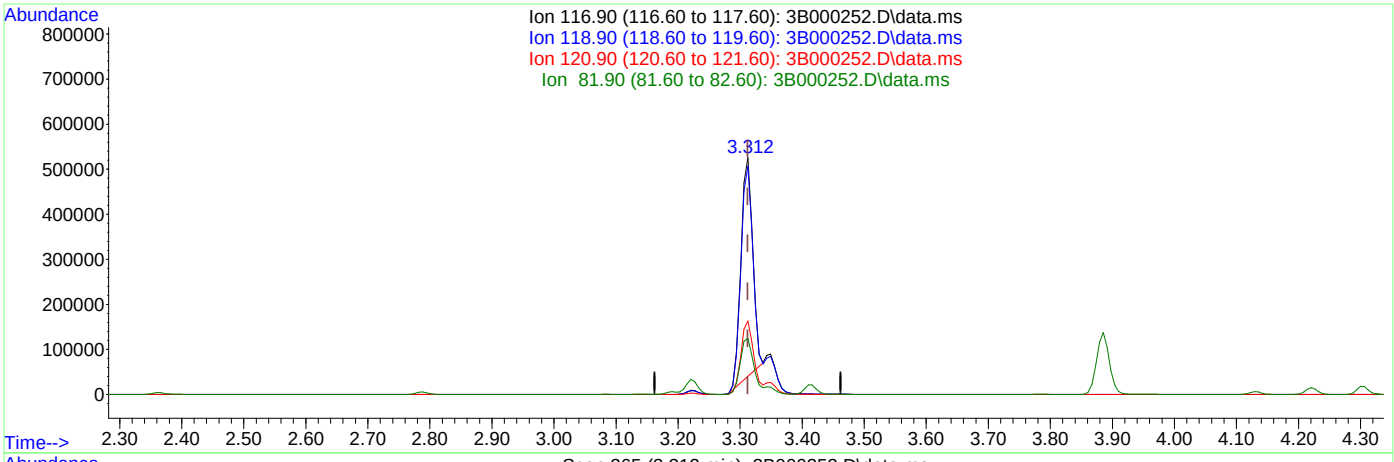
Method: SW846 8260D
Analyst approved: 09/25/24 07:00 Neil Christiana
Supervisor approved: 09/25/24 07:51 Karen Watson

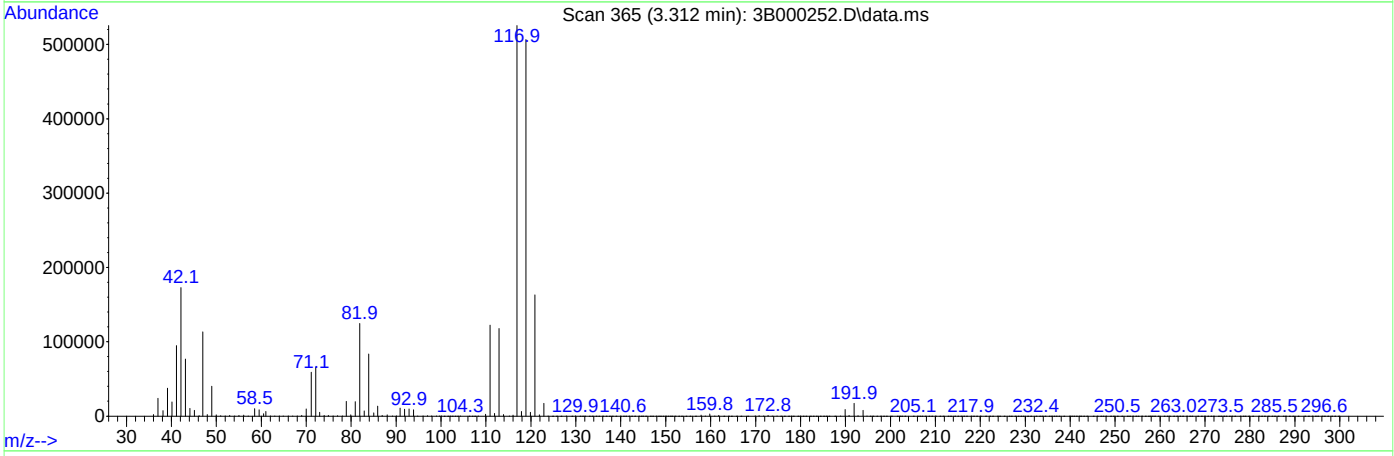
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		2.00	Poorly defined baseline
Carbon Tetrachloride	56-23-5		3.31	Overlapping peak
Isobutyl Alcohol	78-83-1		3.64	Poorly defined baseline
1-Chlorohexane	544-10-5		5.76	Poorly defined baseline
Ethylbenzene	100-41-4		5.79	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000252.D
Acq On : 24 Sep 2024 02:32 pm
Operator : davidb2
Sample : IC13-6 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 25 06:13:42 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000252.D\data.ms

(40) Carbon Tetrachloride ( )

3.312min (+0.000) 55.47ug/L

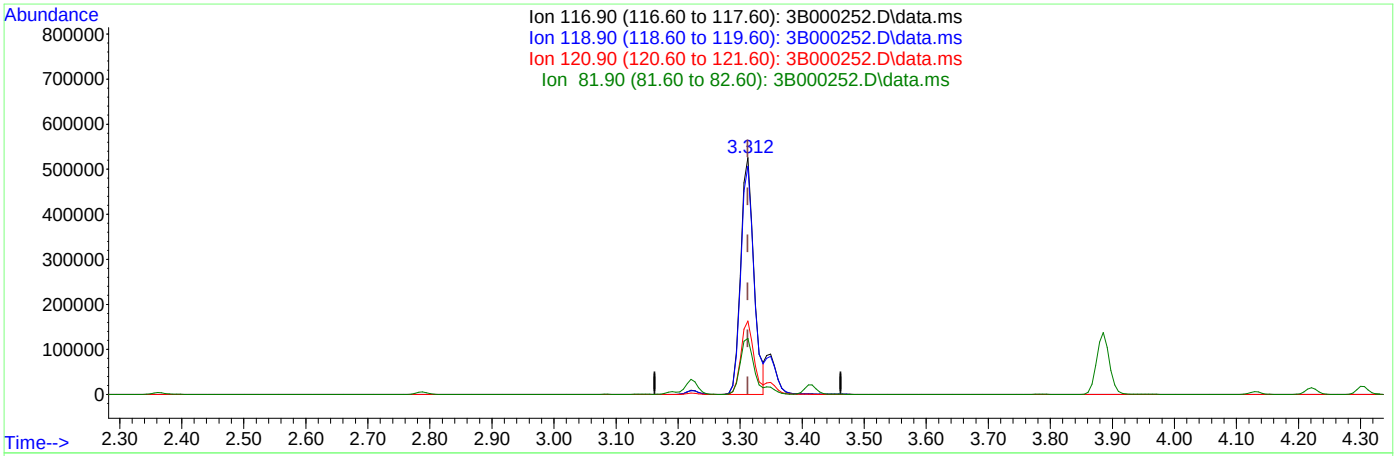
response 654556

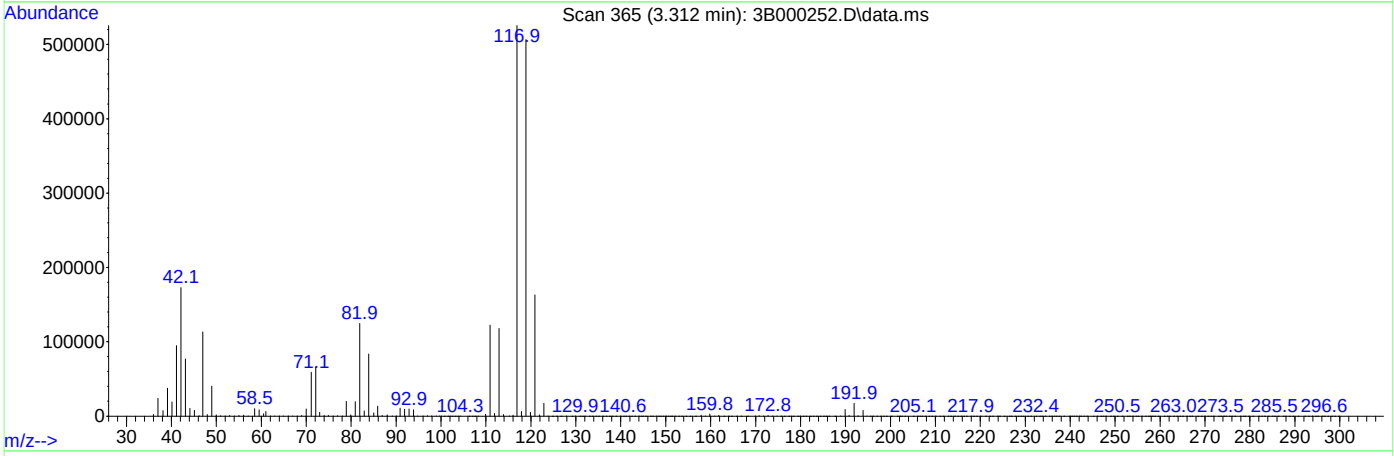
Ion	Exp%	Act%
116.90	100	100
118.90	94.70	96.39
120.90	29.70	31.03
81.90	27.10	23.63

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000252.D
Acq On : 24 Sep 2024 02:32 pm
Operator : davidb2
Sample : IC13-6 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 25 06:13:42 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000252.D\data.ms

(40) Carbon Tetrachloride ( )

3.312min (+0.000) 65.67ug/L m

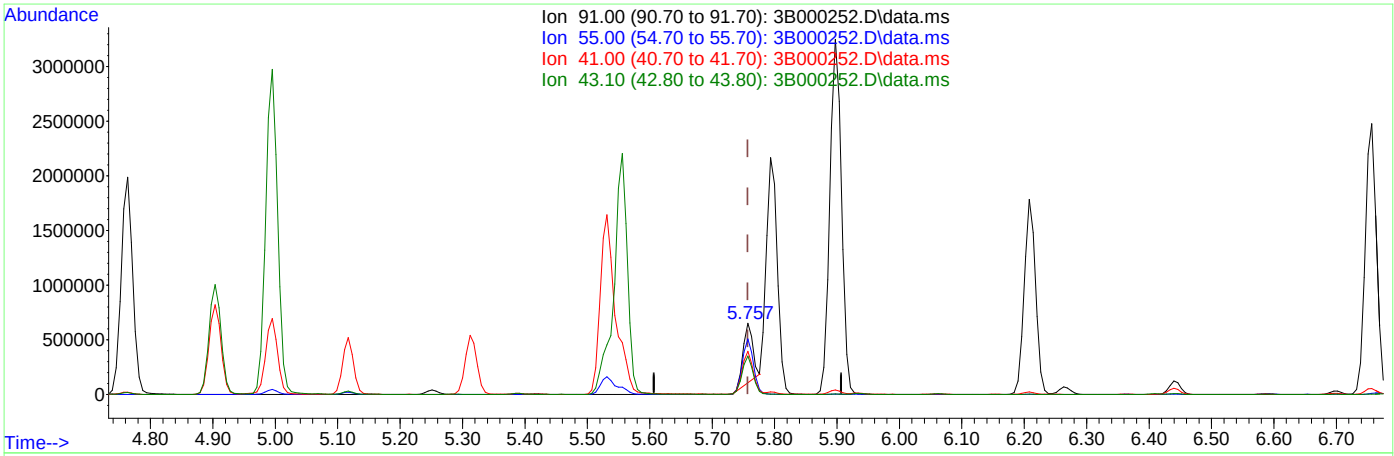
response 774875

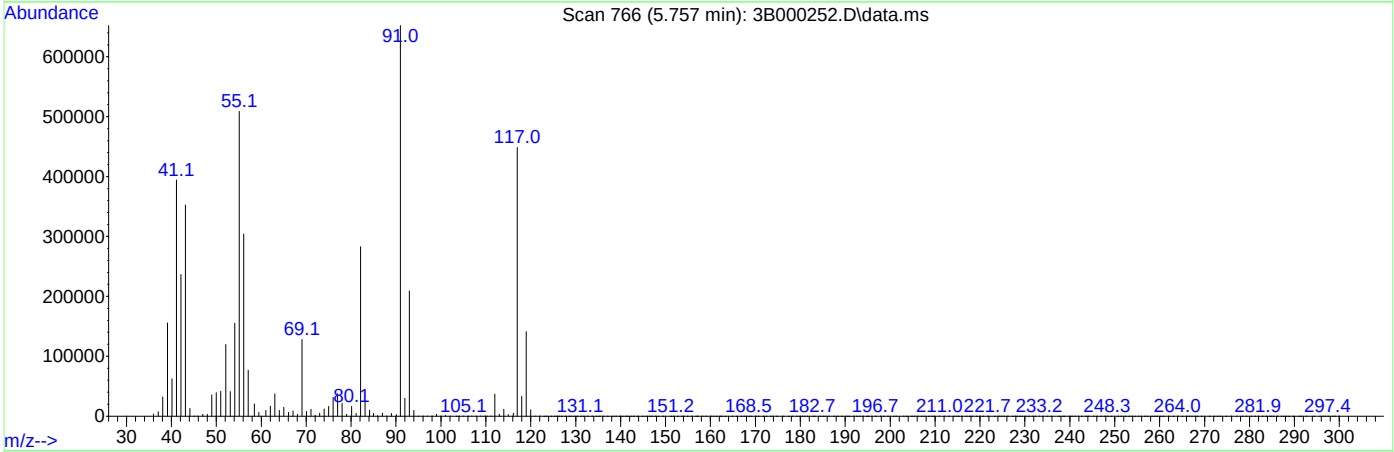
Ion	Exp%	Act%
116.90	100	100
118.90	94.70	96.40
120.90	29.70	31.03
81.90	27.10	23.71

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000252.D
Acq On : 24 Sep 2024 02:32 pm
Operator : davidb2
Sample : IC13-6 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 25 06:13:42 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000252.D\data.ms

(76) 1-Chlorohexane

5.757min (+0.000) 52.30ug/L

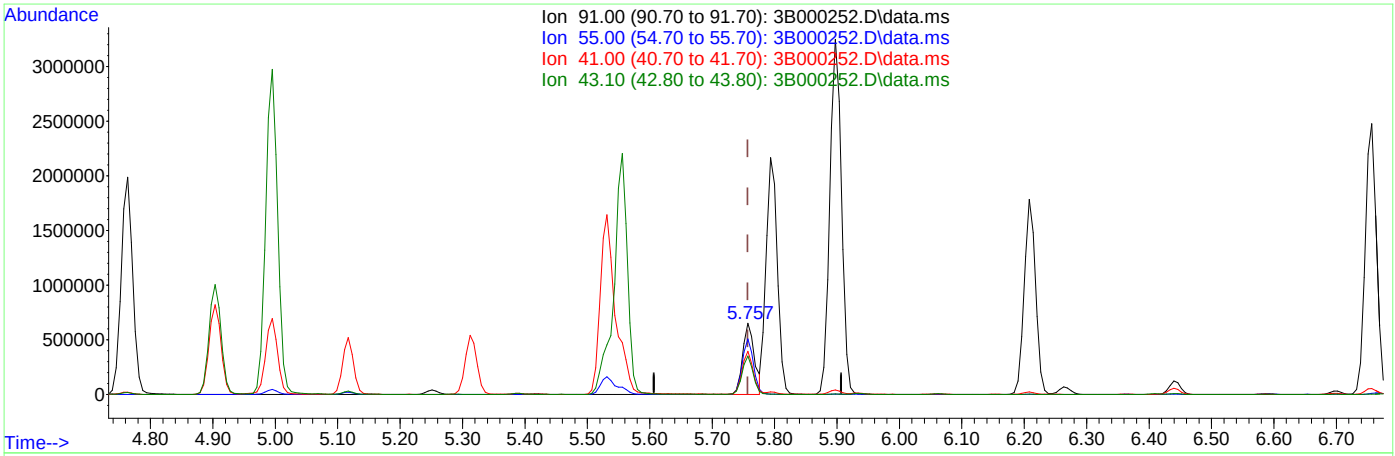
response 607401

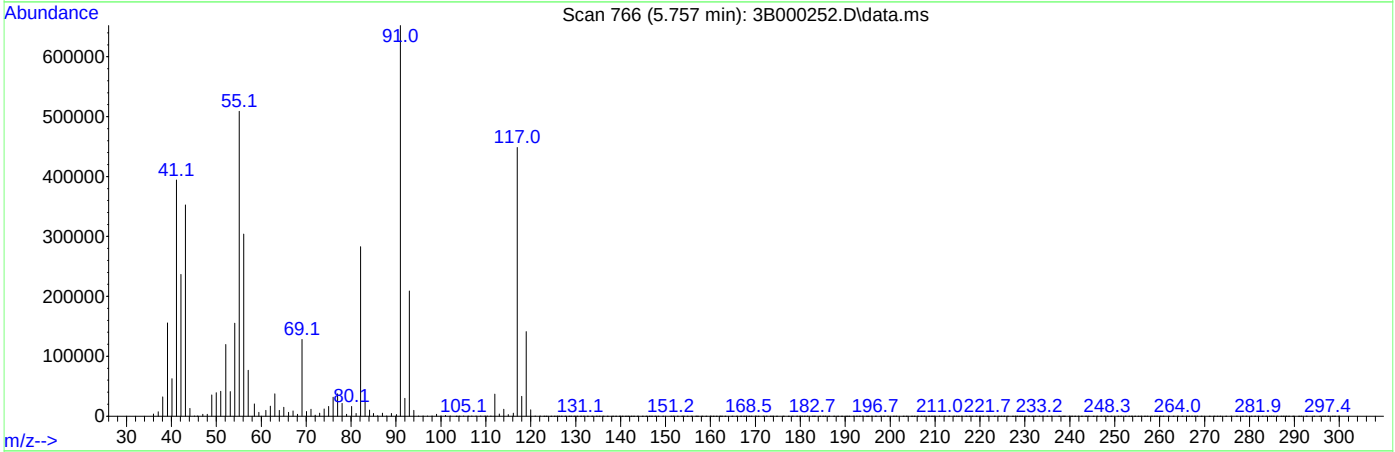
Ion	Exp%	Act%
91.00	100	100
55.00	72.90	77.81
41.00	59.60	59.86
43.10	44.70	53.59

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000252.D
Acq On : 24 Sep 2024 02:32 pm
Operator : davidb2
Sample : IC13-6 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 25 06:13:42 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000252.D\data.ms

(76) 1-Chlorohexane

5.757min (+0.000) 73.27ug/L m

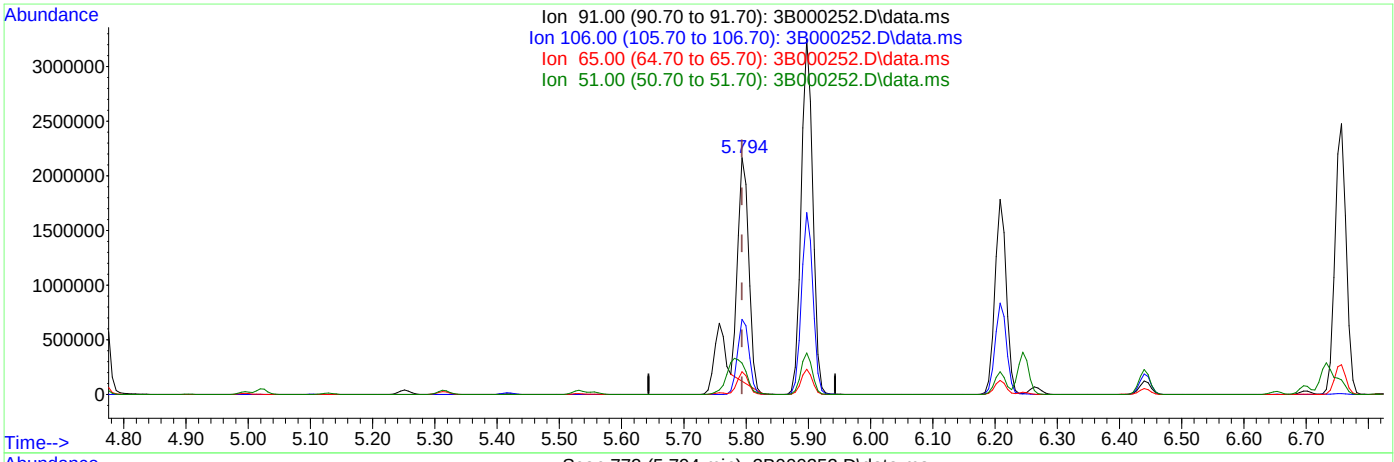
response 850943

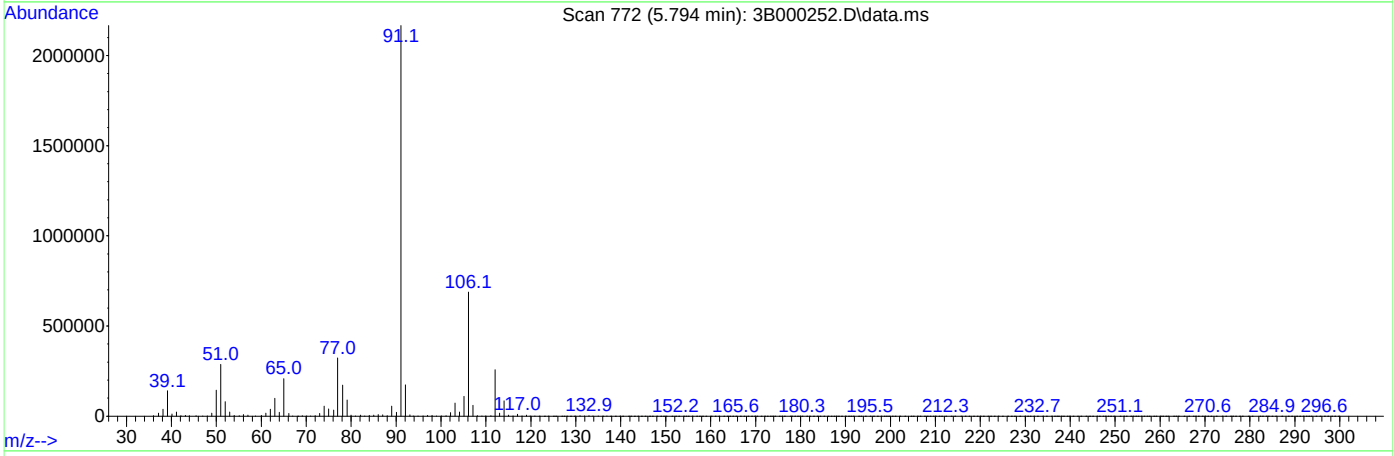
Ion	Exp%	Act%
91.00	100	100
55.00	72.90	78.03
41.00	59.60	60.47
43.10	44.70	54.04

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000252.D
Acq On : 24 Sep 2024 02:32 pm
Operator : davidb2
Sample : IC13-6 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 25 06:13:42 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000252.D\data.ms

(77) Ethylbenzene

5.794min (+0.000) 71.11ug/L

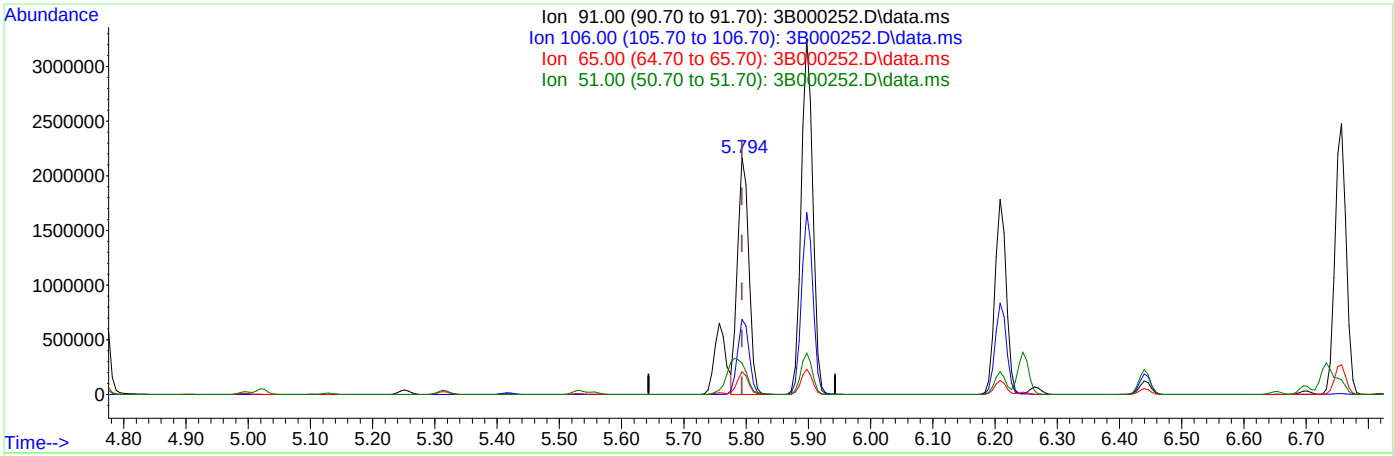
response 2442558

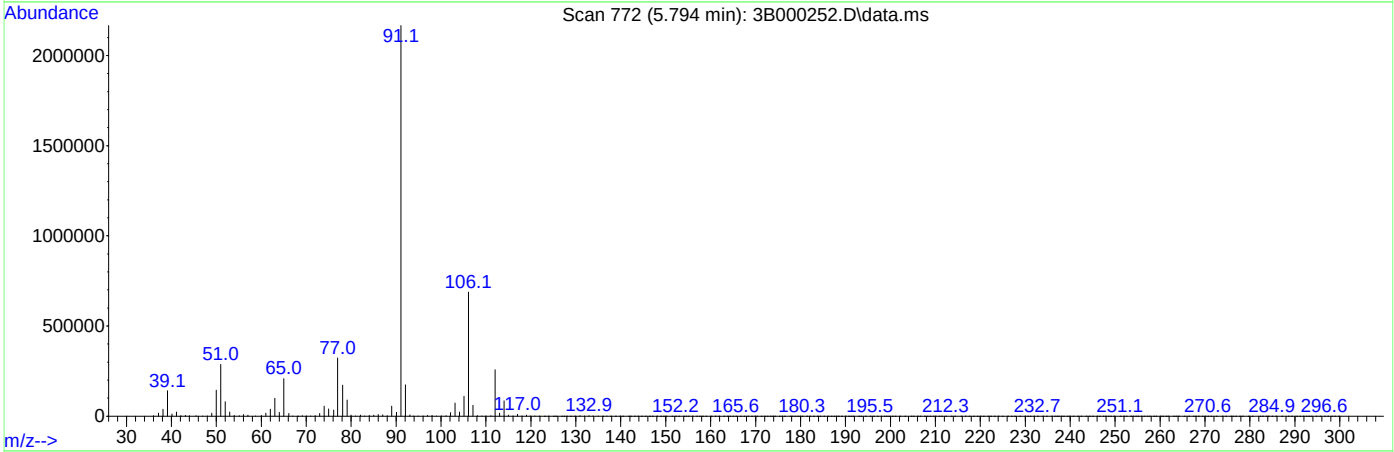
Ion	Exp%	Act%
91.00	100	100
106.00	30.40	31.71
65.00	9.00	9.50
51.00	10.80	12.89

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000252.D
Acq On : 24 Sep 2024 02:32 pm
Operator : davidb2
Sample : IC13-6 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 25 06:13:42 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000252.D\data.ms

(77) Ethylbenzene

5.794min (+0.000) 79.64ug/L m

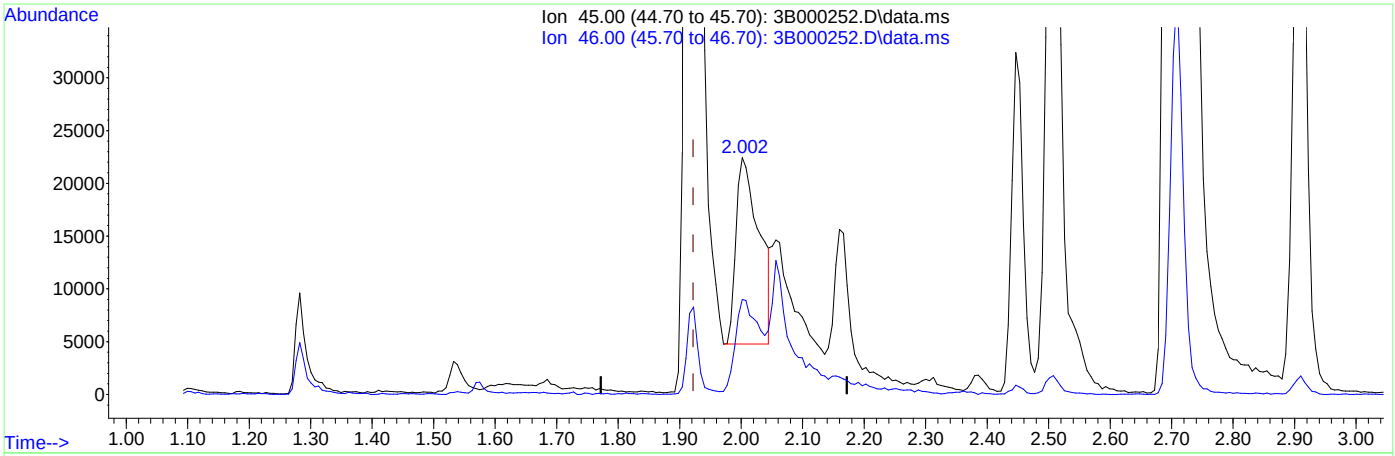
response 2735575

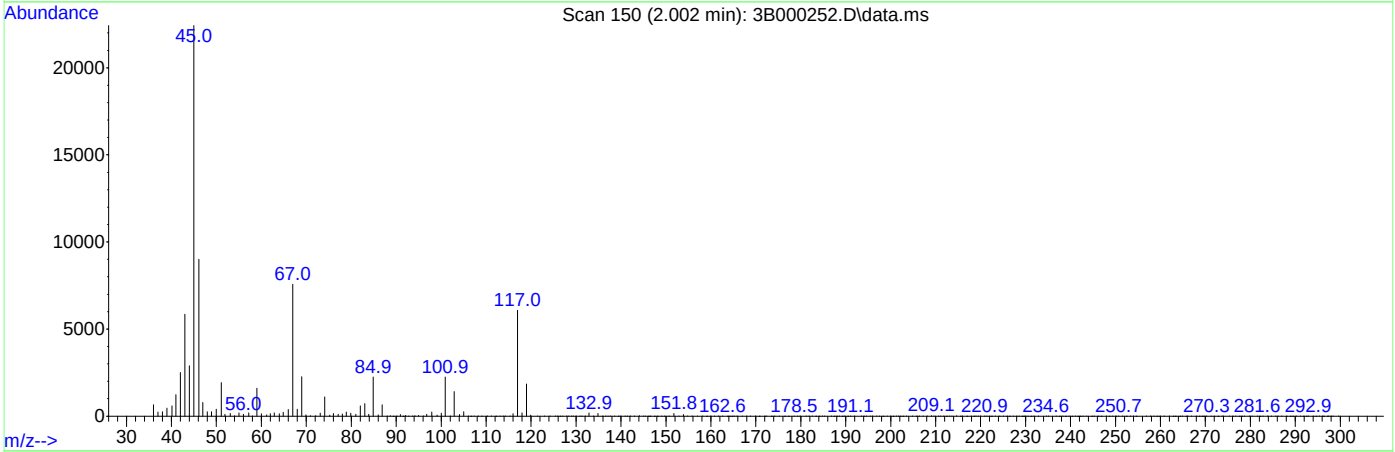
Ion	Exp%	Act%
91.00	100	100
106.00	30.40	31.73
65.00	9.00	9.56
51.00	10.80	13.25

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000252.D
Acq On : 24 Sep 2024 02:32 pm
Operator : davidb2
Sample : IC13-6 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 25 06:13:42 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000252.D\data.ms

(10) Ethanol

2.002min (+0.079) 503.19ug/L

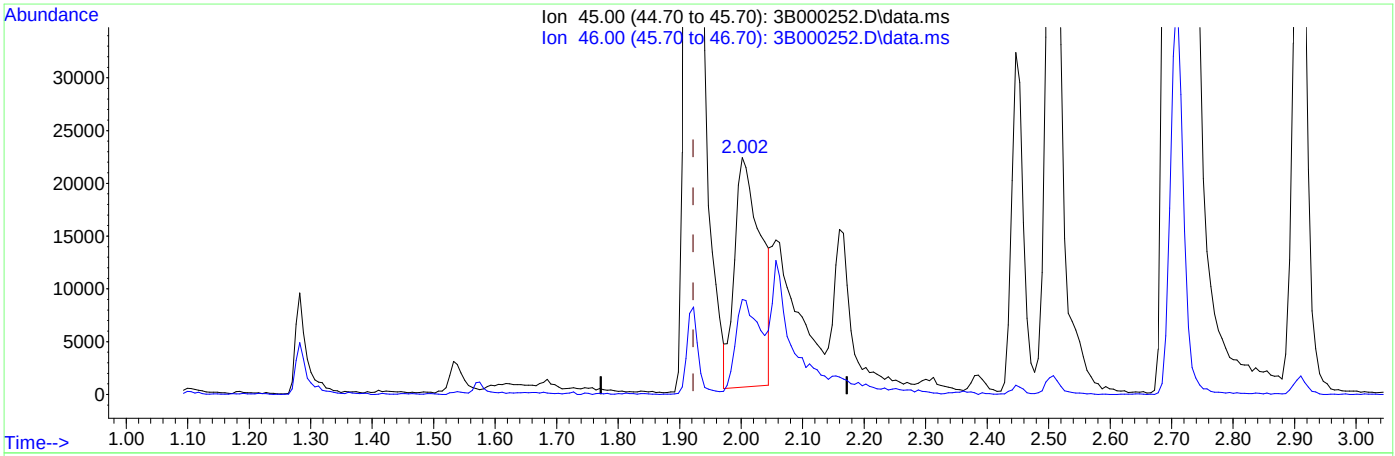
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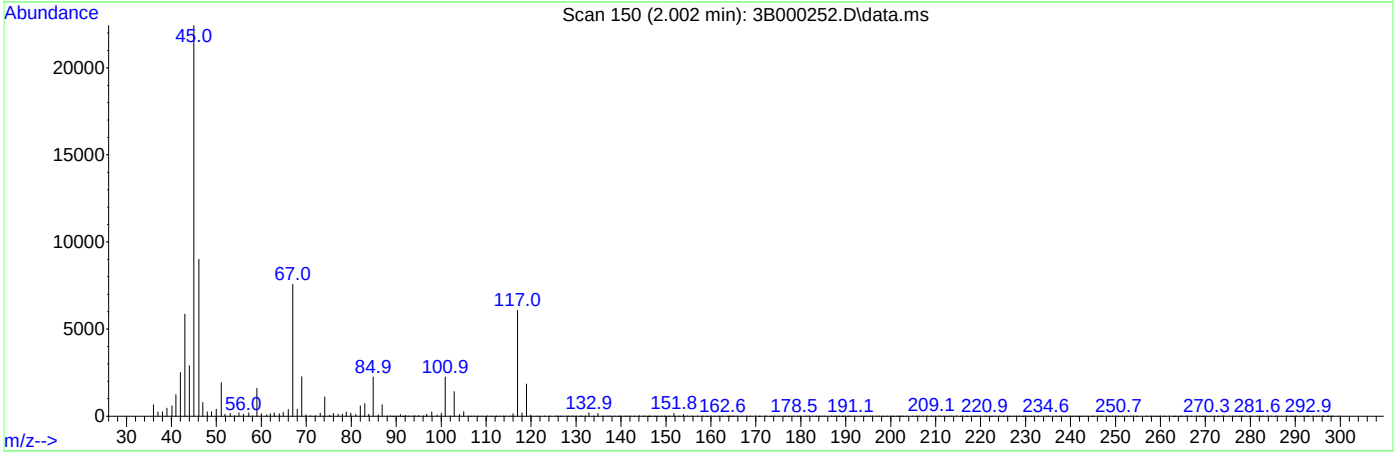
Ion	Exp%	Act%
45.00	100	100
46.00	40.60	49.32
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000252.D
Acq On : 24 Sep 2024 02:32 pm
Operator : davidb2
Sample : IC13-6 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 25 06:13:42 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000252.D\data.ms

(10) Ethanol

2.002min (+0.079) 703.42ug/L m

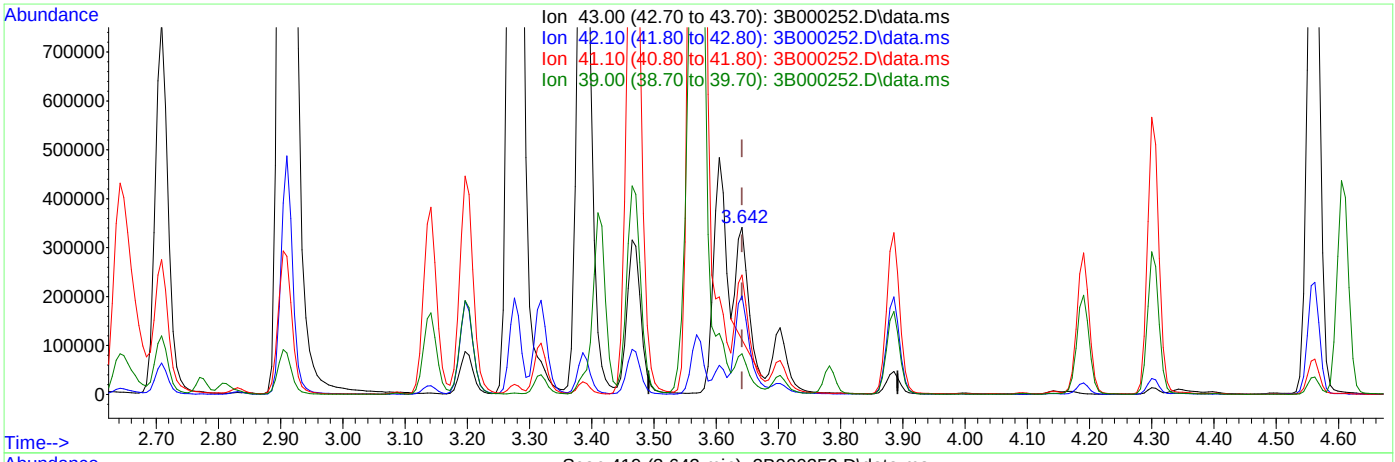
response 64059

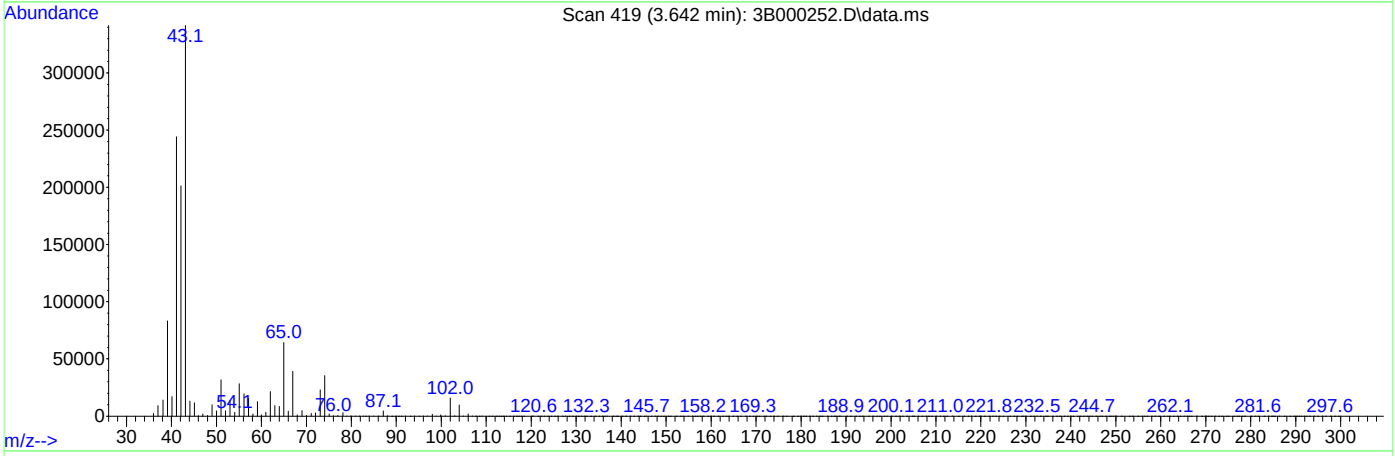
Ion	Exp%	Act%
45.00	100	100
46.00	40.60	40.14
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000252.D
Acq On : 24 Sep 2024 02:32 pm
Operator : davidb2
Sample : IC13-6 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 25 06:13:42 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000252.D\data.ms

(51) Isobutyl Alcohol

3.642min (+0.000) 333.99ug/L

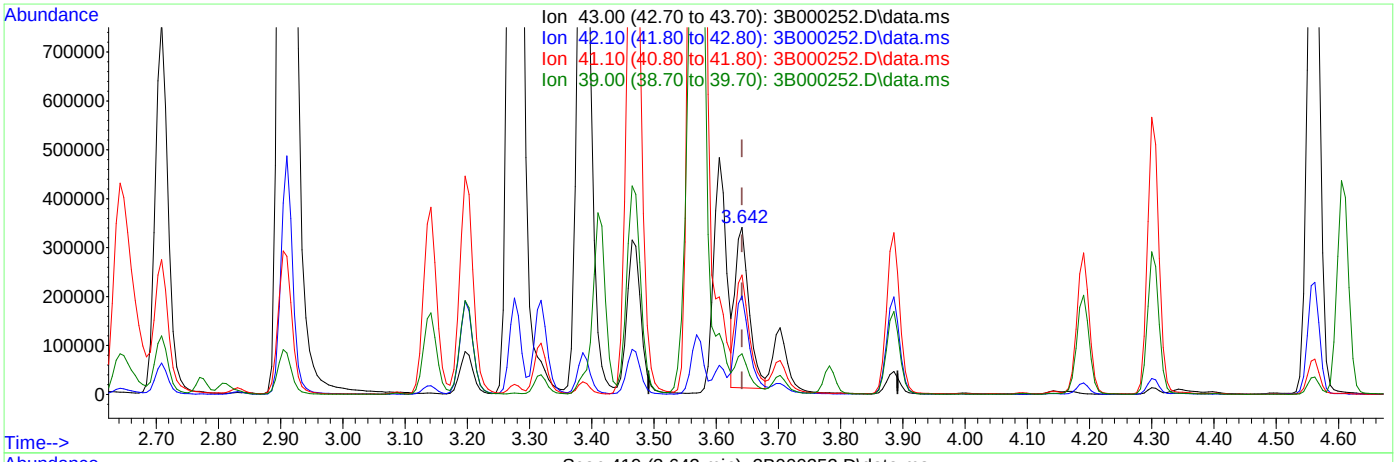
response 254208

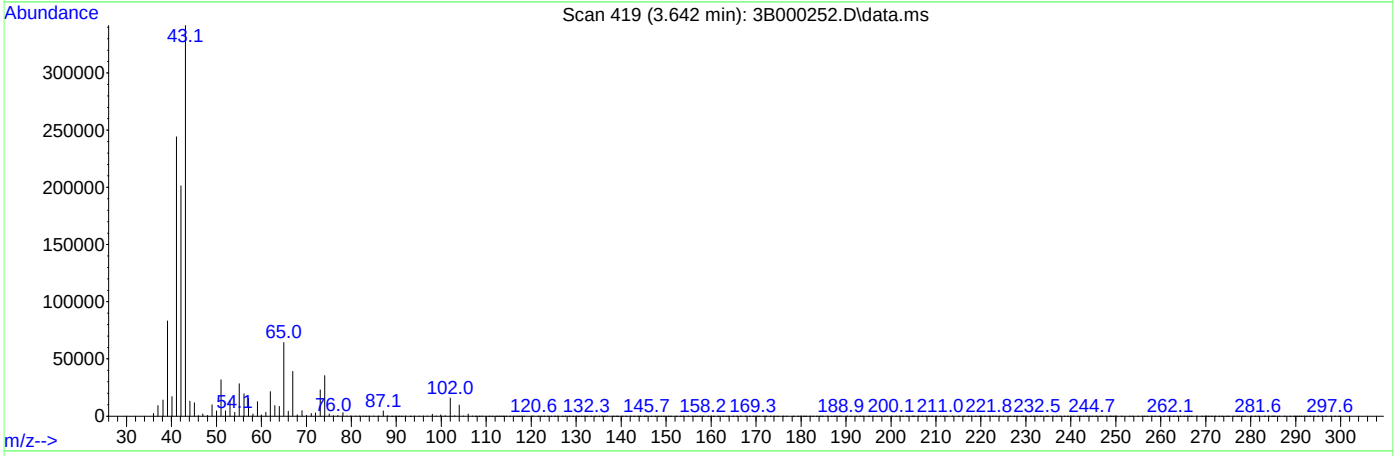
Ion	Exp%	Act%
43.00	100	100
42.10	33.00	58.92
41.10	49.00	69.67
39.00	31.10	23.38

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000252.D
Acq On : 24 Sep 2024 02:32 pm
Operator : davidb2
Sample : IC13-6 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 25 06:13:42 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000252.D\data.ms

(51) Isobutyl Alcohol

3.642min (+0.000) 665.31ug/L m

response 506388

Ion	Exp%	Act%
43.00	100	100
42.10	33.00	58.93
41.10	49.00	71.50
39.00	31.10	24.34

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/25/24 07:51

Quantitation Report (QT Reviewed)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000253.D
Acq On : 24 Sep 2024 02:56 pm
Operator : davidb2
Sample : IC13-7 Inst : MSVOA22-3B
Misc : ms57558,V3B13,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 25 06:13:45 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	3.782	96	1726589	50.00	ug/L		0.00
62) Chlorobenzene-d5	5.769	117	1063218	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	7.513	152	553395	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	3.324	113	385290	38.65	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 77.30%#				
49) 1,2-Dichloroethane-d4	3.623	65	427268	36.57	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 73.14%#				
63) Toluene-d8	4.727	98	1647237	56.77	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 113.54%#				
86) 4-Bromofluorobenzene	6.653	174	426562	49.97	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.94%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.185	85	1149725	111.29	ug/L		98
3) Chloromethane	1.331	50	1134379	116.69	ug/L		99
4) 1,3-butadiene	1.380	39	850886	101.78	ug/L		98
5) Vinyl Chloride	1.367	62	1110347	110.00	ug/L		98
6) Bromomethane	1.575	94	283454	46.50	ug/L		98
7) Chloroethane	1.648	64	262164	38.81	ug/L		96
8) Trichlorofluoromethane	1.733	101	696420	46.19	ug/L		100
9) Ethyl Ether	1.922	59	775472	112.82	ug/L		98
10) Ethanol	2.008	45	73530m	810.57	ug/L		
11) 1,2-Dichlorotrifluoroe...	2.026	67	1009438	102.35	ug/L		93
12) 1,1-Dichloroethene	2.038	61	1360716	114.40	ug/L		96
13) Freon 113	2.056	101	791864	100.29	ug/L		96
14) Carbon Disulfide	2.056	76	2336580	95.64	ug/L		99
15) Iodomethane	2.123	142	682138	94.47	ug/L		93
16) Acrolein	2.227	56	819797	489.23	ug/L		97
17) Allyl chloride	2.300	41	1514421	140.93	ug/L		84
18) Methylene Chloride	2.361	49	1185278	103.04	ug/L		98
19) Acetone	2.386	43	1297053	429.50	ug/L		95
20) Methyl acetate	2.447	43	4273403	522.18	ug/L		98
21) trans-1,2-Dichloroethene	2.453	61	1273652	109.53	ug/L		94
22) Hexane	2.495	56	882605	108.96	ug/L	#	81
23) Methyl Tert Butyl Ether	2.507	73	2668891	121.51	ug/L	#	54
24) Acetonitrile	2.648	41	962816	1262.44	ug/L		98
25) Tert Butyl Alcohol	2.550	59	1270521	998.48	ug/L	#	47
26) Di-isopropyl ether	2.709	45	3299233	137.00	ug/L		96
27) Chloroprene	2.812	53	2306769	71.58	ug/L		83
28) 1,1-Dichloroethane	2.788	63	1671126	109.52	ug/L		97
29) Acrylonitrile	2.812	52	1587996	395.46	ug/L	#	73
30) ETBE	2.904	59	2945985	125.39	ug/L		98
31) Vinyl acetate	2.910	43	9033289	520.07	ug/L		99
32) cis-1,2-Dichloroethene	3.081	96	930380	104.62	ug/L		96
33) 2,2-Dichloropropane	3.142	77	1290934	113.73	ug/L		98
34) Bromochloromethane	3.190	128	389186	85.58	ug/L		93
35) Cyclohexane	3.196	56	1756685	121.27	ug/L		89
36) Chloroform	3.221	83	1546159	96.71	ug/L		100
37) Ethyl acetate	2.910	43	9073919	850.34	ug/L		68
38) Tetrahydrofuran	3.318	42	369714	98.85	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000253.D
Acq On : 24 Sep 2024 02:56 pm
Operator : davidb2
Sample : IC13-7 Inst : MSVOA22-3B
Misc : ms57558,V3B13,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 25 06:13:45 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
40) Carbon Tetrachloride	3.312	117	1090281m	92.36	ug/L		
41) 1,1,1-Trichloroethane	3.349	97	1322960	104.27	ug/L		97
42) 2-Butanone	3.385	43	2742809	534.68	ug/L		98
43) 1,1-Dichloropropene	3.416	75	1101993	111.56	ug/L		97
44) tert-Butyl formate	3.471	59	4058555	775.26	ug/L		87
45) Propionitrile	3.562	54	1508465	961.91	ug/L	#	1
46) Methacrylonitrile	3.568	41	6147965	1019.51	ug/L		97
47) Benzene	3.550	78	3318895	100.95	ug/L		93
48) TAME	3.605	73	2614298	129.22	ug/L	#	80
50) 1,2-Dichloroethane	3.666	62	1194965	101.04	ug/L		99
51) Isobutyl Alcohol	3.641	43	733866m	963.80	ug/L		
52) Tert Amyl Alcohol	3.702	59	828218	877.28	ug/L		90
53) Trichloroethene	3.879	95	862593	95.02	ug/L		97
54) Methylcyclohexane	3.885	83	1498510	103.84	ug/L		95
55) Dibromomethane	4.129	93	528250	90.27	ug/L		98
56) 1,2-Dichloropropane	4.190	63	976264	112.30	ug/L		98
57) Bromodichloromethane	4.221	83	1160240	103.91	ug/L		98
58) Methyl methacrylate	4.300	41	1006514	137.81	ug/L		89
59) 1,4-Dioxane	4.343	88	141803	1730.82	ug/L		91
60) 2-Chloroethyl vinyl ether	4.562	63	3147590	614.79	ug/L		93
61) cis-1,3-Dichloropropene	4.611	75	1471622	123.35	ug/L		98
64) Toluene	4.763	91	3555794	117.80	ug/L		96
65) 2-Nitropropane	4.562	41	134183	59.31	ug/L	#	1
66) 4-Methyl-2-pentanone	4.995	43	5266265	606.56	ug/L		95
67) trans-1,3-Dichloropropene	4.611	75	1471622	153.74	ug/L		96
68) Tetrachloroethene	5.013	166	961991	108.52	ug/L		96
69) Ethyl methacrylate	5.117	69	1137906	137.07	ug/L		89
70) 1,1,2-Trichloroethane	5.129	83	651093	120.05	ug/L		96
71) Dibromochloromethane	5.251	129	803358	116.94	ug/L		99
72) 1,3-Dichloropropane	5.312	76	1433683	136.02	ug/L		94
73) 1,2-Dibromoethane	5.415	107	830789	125.50	ug/L		100
74) 3,3-Dimethyl-1-Butanol	5.531	57	5323973	5034.23	ug/L		95
75) 2-hexanone	5.556	43	4528848	536.94	ug/L	#	64
76) 1-Chlorohexane	5.757	91	1148421m	100.33	ug/L		
77) Ethylbenzene	5.793	91	3780540m	111.67	ug/L		
78) Chlorobenzene	5.781	112	2127883	107.47	ug/L		92
79) 1,1,1,2-Tetrachloroethane	5.824	131	753226	120.17	ug/L		97
80) m,p-Xylene	5.897	91	5626121	206.61	ug/L		92
81) o-Xylene	6.208	91	3133136	112.67	ug/L		98
82) Styrene	6.245	104	2528227	128.76	ug/L		97
83) Bromoform	6.269	173	533561	111.88	ug/L		97
84) Isopropylbenzene	6.440	105	3676714	115.89	ug/L		98
87) cis-1,4-Dichloro-2-butene	6.696	53	426114	188.16	ug/L		90
88) n-Propylbenzene	6.757	91	4320139	117.52	ug/L		98
89) Bromobenzene	6.732	156	869293	114.40	ug/L	#	76
90) 1,1,2,2-Tetrachloroethane	6.799	83	1088527	129.17	ug/L		98
91) 1,3,5-Trimethylbenzene	6.909	105	3051604	130.06	ug/L		99
92) 2-Chlorotoluene	6.879	91	2921422	143.28	ug/L		98
93) trans-1,4-Dichloro-2-B...	6.940	53	317560	111.10	ug/L	#	80
94) 1,2,3-Trichloropropane	6.909	110	333311	135.65	ug/L		91
95) Cyclohexanone	6.946	55	156454	613.34	ug/L		92
96) 4-Chlorotoluene	7.007	91	2798913	131.73	ug/L		97
97) tert-Butylbenzene	7.153	91	1745675	124.24	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000253.D
Acq On : 24 Sep 2024 02:56 pm
Operator : davidb2
Sample : IC13-7 Inst : MSVOA22-3B
Misc : ms57558,V3B13,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 25 06:13:45 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration

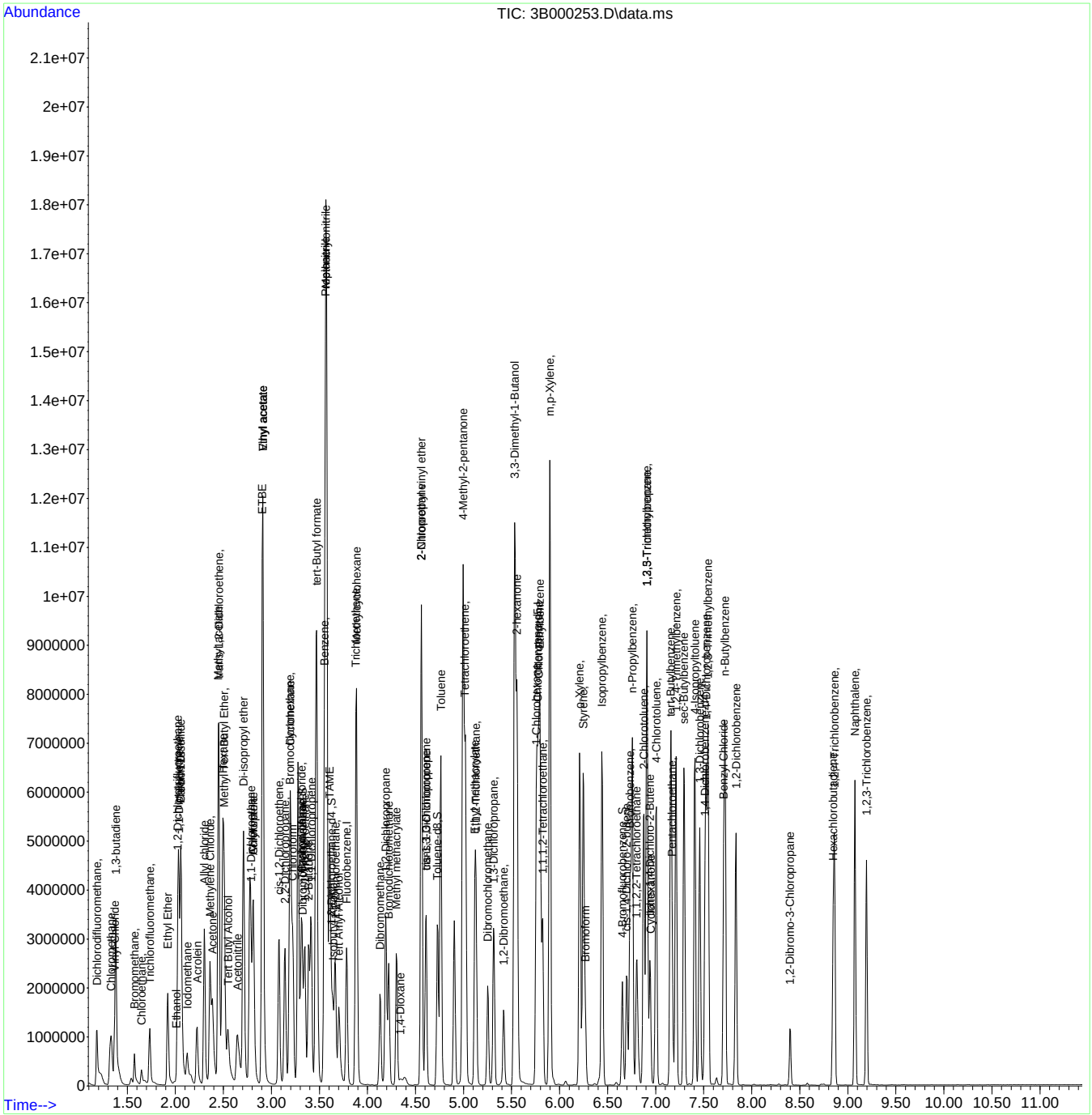
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
98)	1,2,4-Trimethylbenzene	7.214	105	3090019	140.63	ug/L		98
99)	Pentachloroethane	7.171	167	370976	124.50	ug/L	#	1
100)	sec-Butylbenzene	7.293	105	3730273	123.86	ug/L		100
101)	4-Isopropyltoluene	7.409	119	3111931	126.02	ug/L		98
102)	1,3-Dichlorobenzene	7.458	146	1637158	119.04	ug/L		96
103)	1,2,3-Trimethylbenzene	7.543	105	3093180	137.55	ug/L		99
104)	1,4-Dichlorobenzene	7.525	146	1615885	114.15	ug/L		98
105)	n-Butylbenzene	7.720	92	1716501	150.43	ug/L		90
106)	Benzyl Chloride	7.708	126	438352	138.07	ug/L	#	79
107)	1,2-Dichlorobenzene	7.836	146	1558950	121.78	ug/L		97
108)	1,2-Dibromo-3-Chloropr...	8.397	75	215783	136.84	ug/L		84
109)	Hexachlorobutadiene	8.848	225	351819	103.65	ug/L		87
110)	1,2,4-Trichlorobenzene	8.860	180	984469	140.68	ug/L		98
111)	Naphthalene	9.073	128	3132785	173.63	ug/L		99
112)	1,2,3-Trichlorobenzene	9.195	180	937040	150.85	ug/L		99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000253.D
Acq On : 24 Sep 2024 02:56 pm
Operator : davidb2
Sample : IC13-7 Inst : MSVOA22-3B
Misc : ms57558,V3B13,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 25 06:13:45 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: V3B13-IC13
Lab FileID: 3B000253.D
Injection Time: 09/24/24 14:56

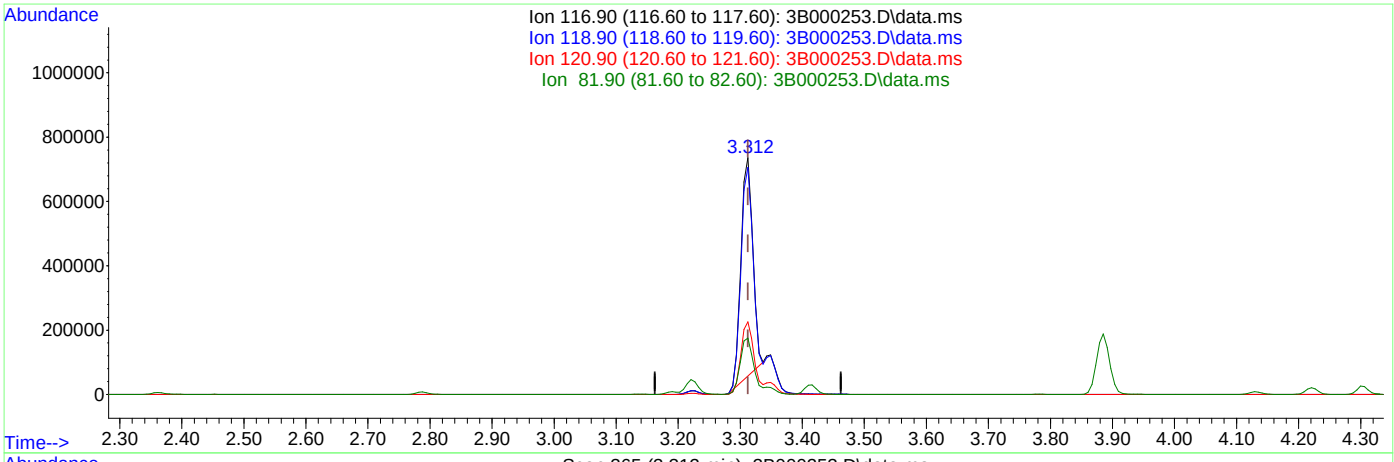
Method: SW846 8260D
Analyst approved: 09/25/24 07:00 Neil Christiana
Supervisor approved: 09/25/24 07:51 Karen Watson

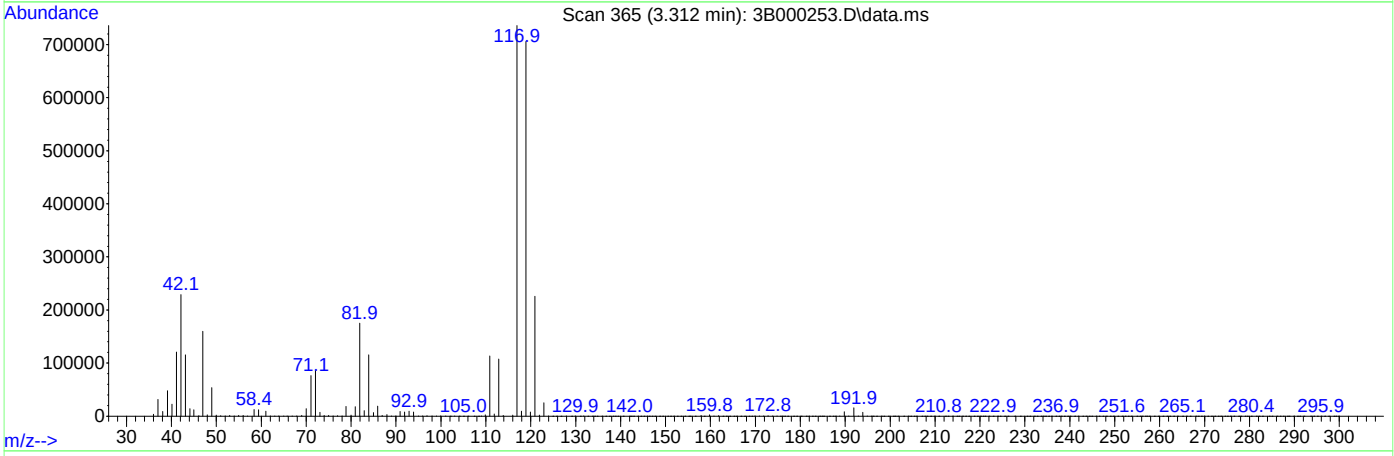
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		2.01	Poorly defined baseline
Carbon Tetrachloride	56-23-5		3.31	Overlapping peak
Isobutyl Alcohol	78-83-1		3.64	Poorly defined baseline
1-Chlorohexane	544-10-5		5.76	Poorly defined baseline
Ethylbenzene	100-41-4		5.79	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000253.D
Acq On : 24 Sep 2024 02:56 pm
Operator : davidb2
Sample : IC13-7 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 25 06:13:45 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000253.D\data.ms

(40) Carbon Tetrachloride ( )

3.312min (+0.000) 77.87ug/L

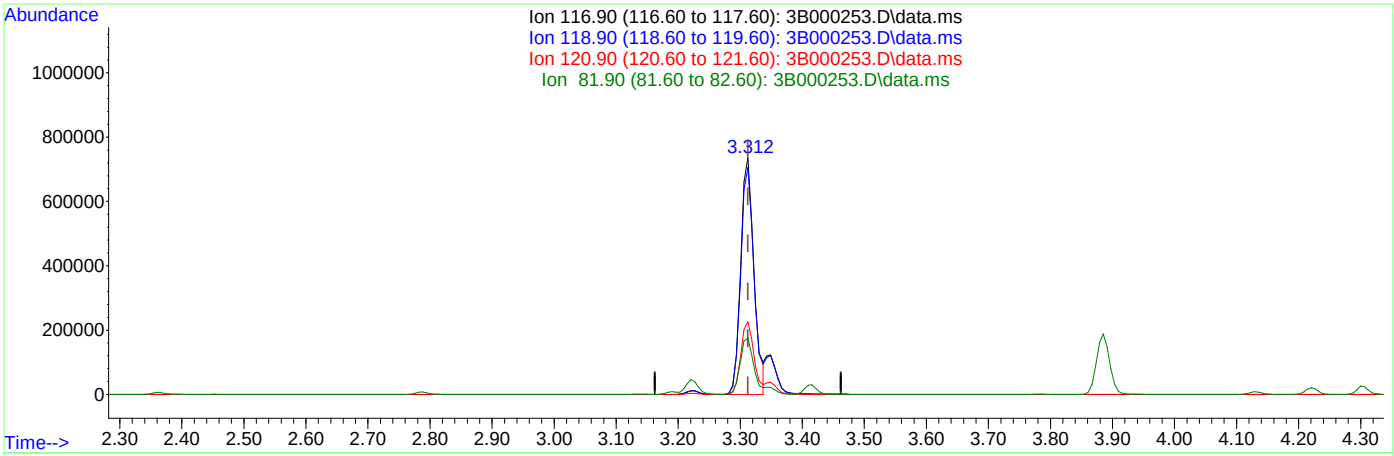
response 919212

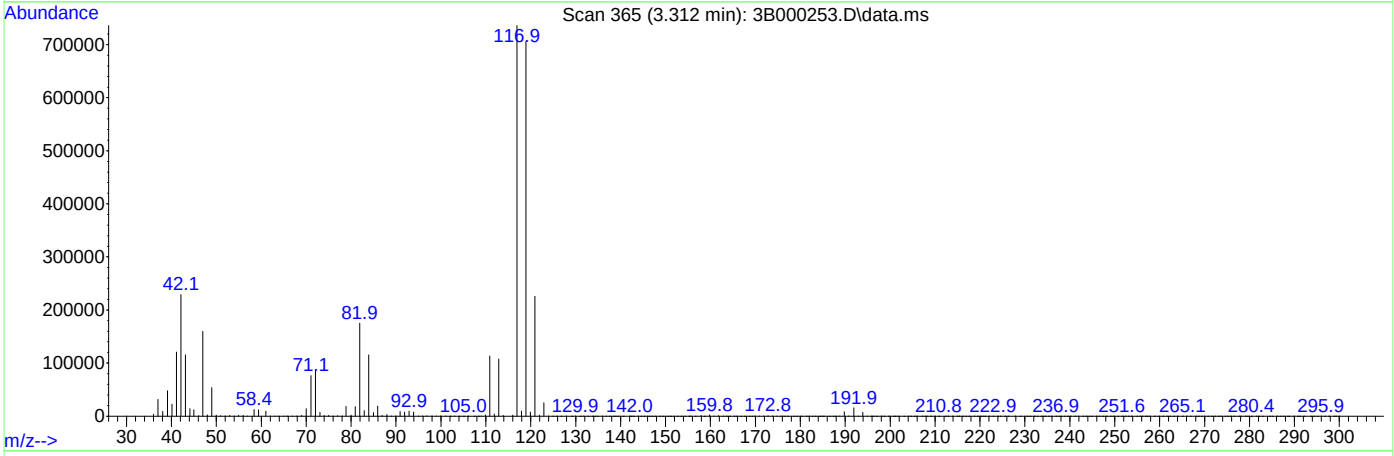
Ion	Exp%	Act%
116.90	100	100
118.90	94.70	95.92
120.90	29.70	30.72
81.90	27.10	23.70

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000253.D
Acq On : 24 Sep 2024 02:56 pm
Operator : davidb2
Sample : IC13-7 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 25 06:13:45 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000253.D\data.ms

(40) Carbon Tetrachloride ( )

3.312min (+0.000) 92.36ug/L m

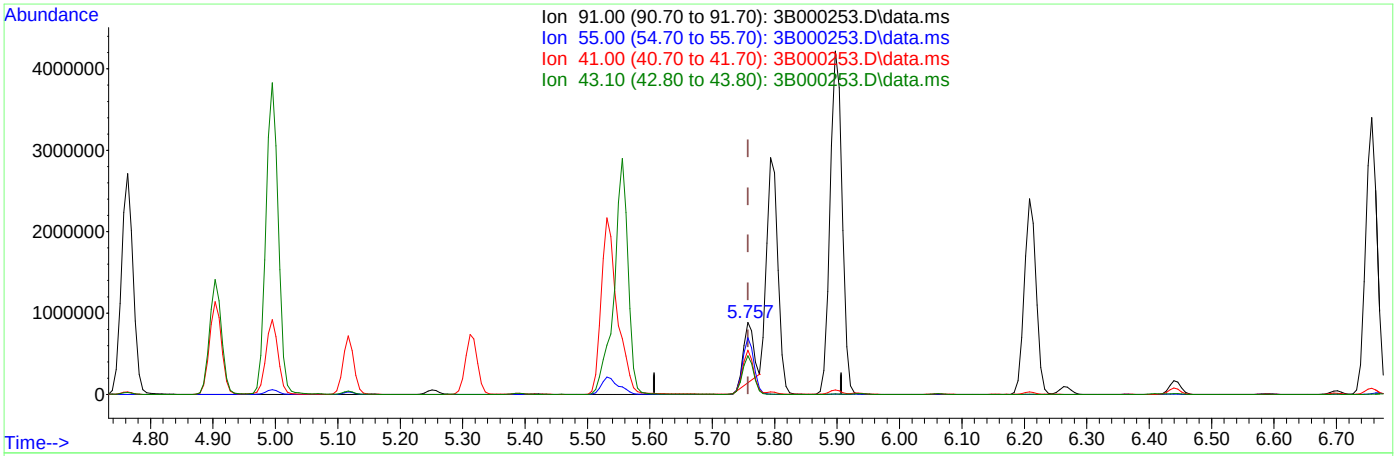
response 1090281

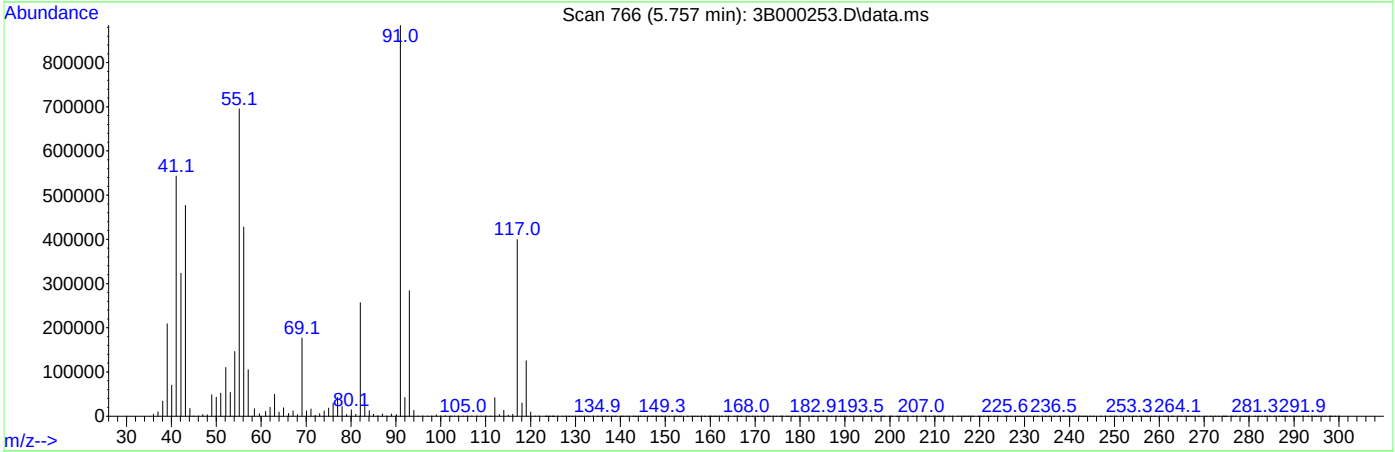
Ion	Exp%	Act%
116.90	100	100
118.90	94.70	95.90
120.90	29.70	30.71
81.90	27.10	23.77

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000253.D
Acq On : 24 Sep 2024 02:56 pm
Operator : davidb2
Sample : IC13-7 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 25 06:13:45 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000253.D\data.ms

(76) 1-Chlorohexane

5.757min (0.000) 73.70ug/L

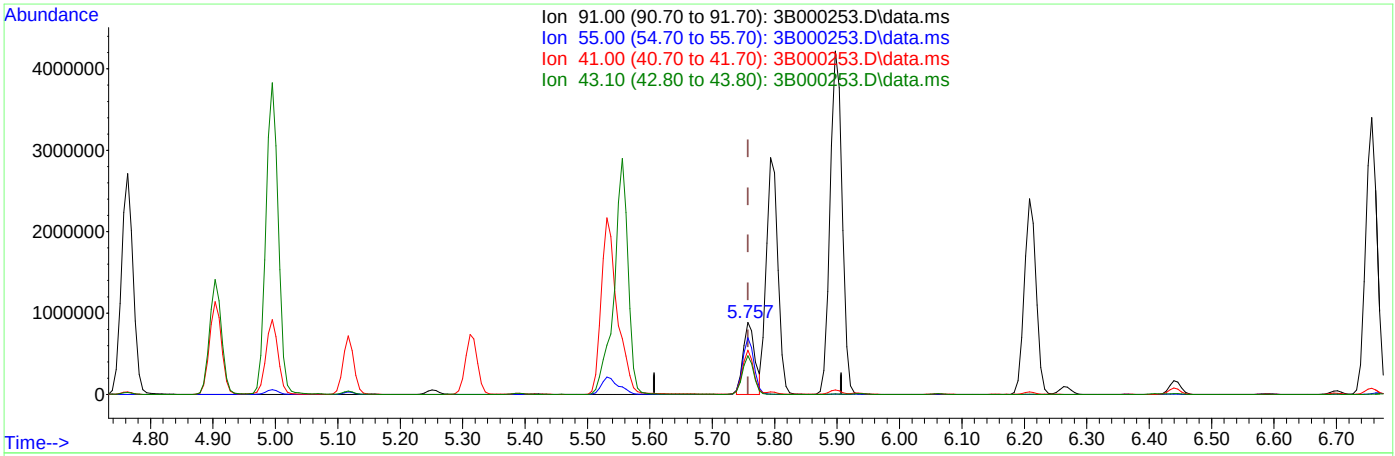
response 843600

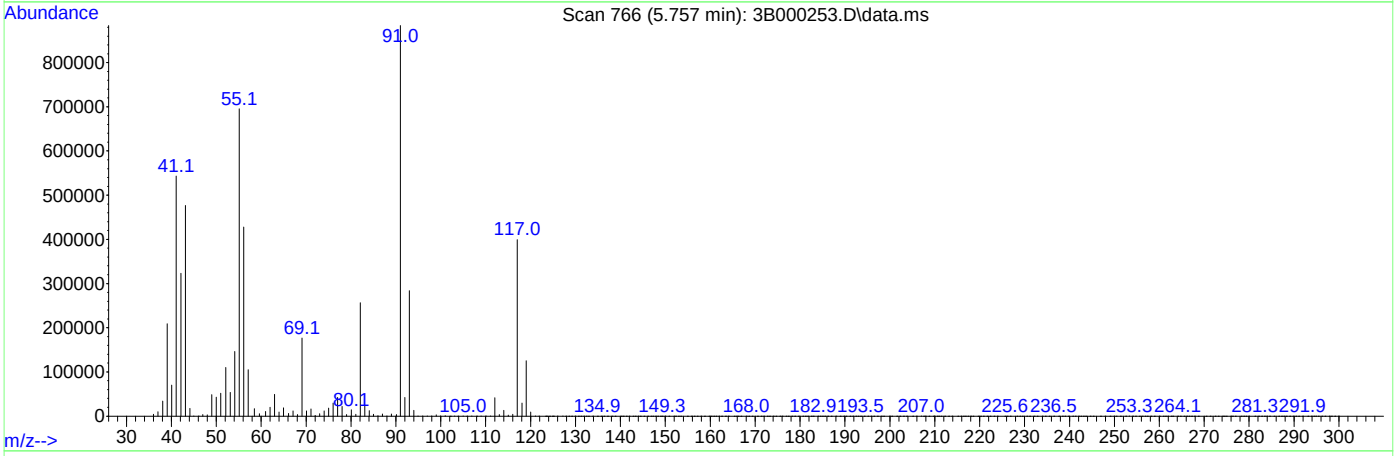
Ion	Exp%	Act%
91.00	100	100
55.00	72.90	78.48
41.00	59.60	60.83
43.10	44.70	53.53

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000253.D
Acq On : 24 Sep 2024 02:56 pm
Operator : davidb2
Sample : IC13-7 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 25 06:13:45 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000253.D\data.ms

(76) 1-Chlorohexane

5.757min (0.000) 100.33ug/L m

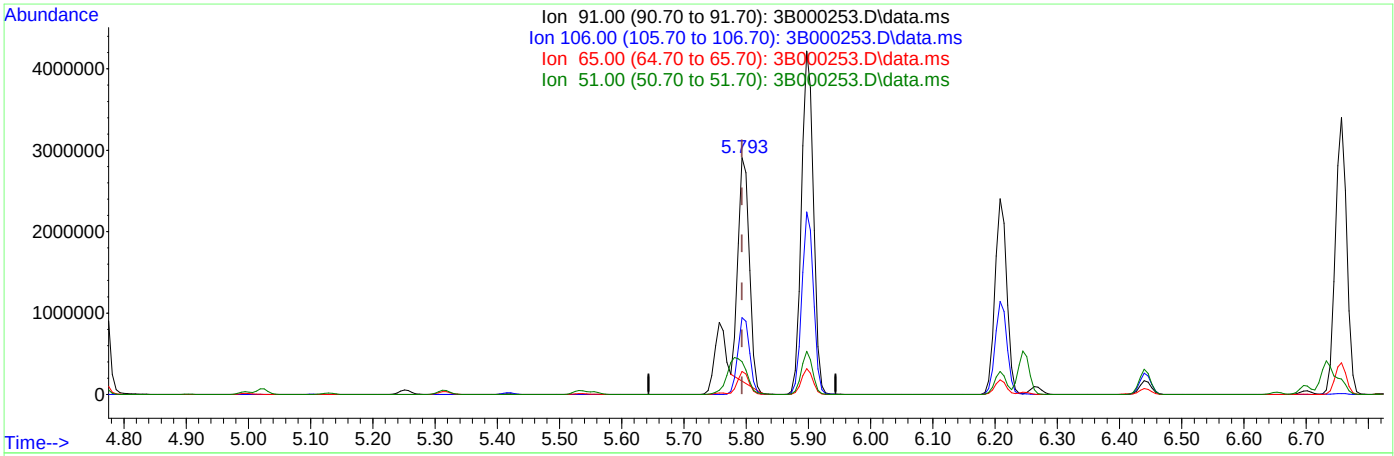
response 1148421

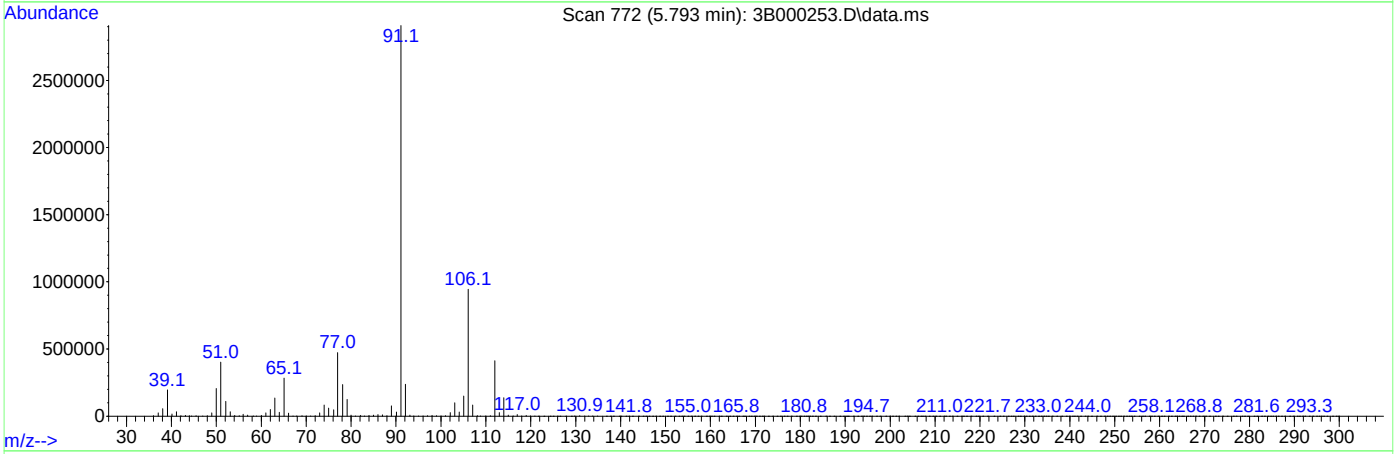
Ion	Exp%	Act%
91.00	100	100
55.00	72.90	78.69
41.00	59.60	61.43
43.10	44.70	53.89

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000253.D
Acq On : 24 Sep 2024 02:56 pm
Operator : davidb2
Sample : IC13-7 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 25 06:13:45 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000253.D\data.ms

(77) Ethylbenzene

5.793min (0.000) 99.92ug/L

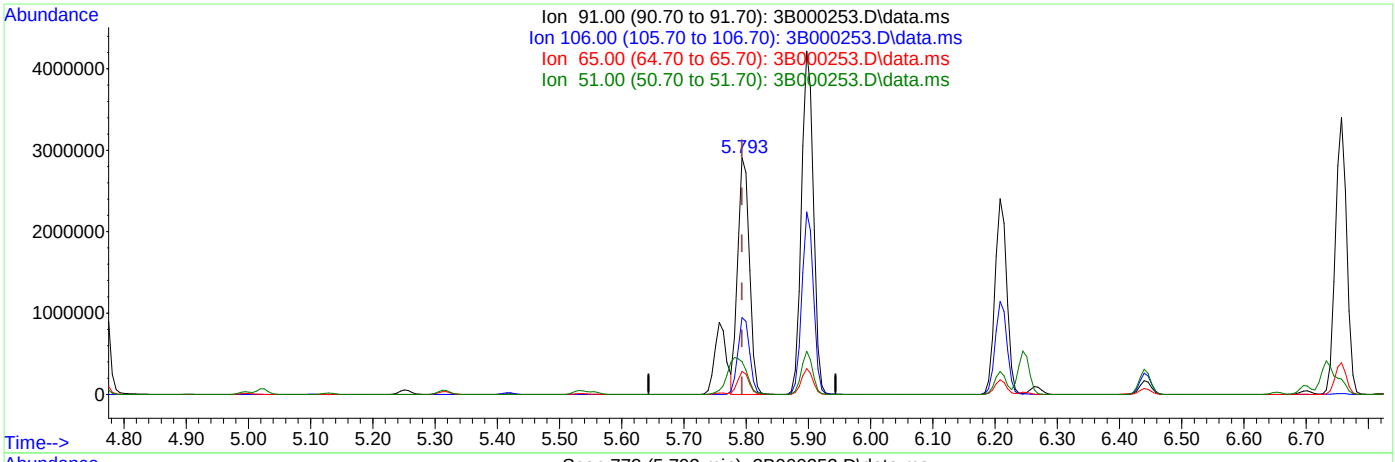
response 3382945

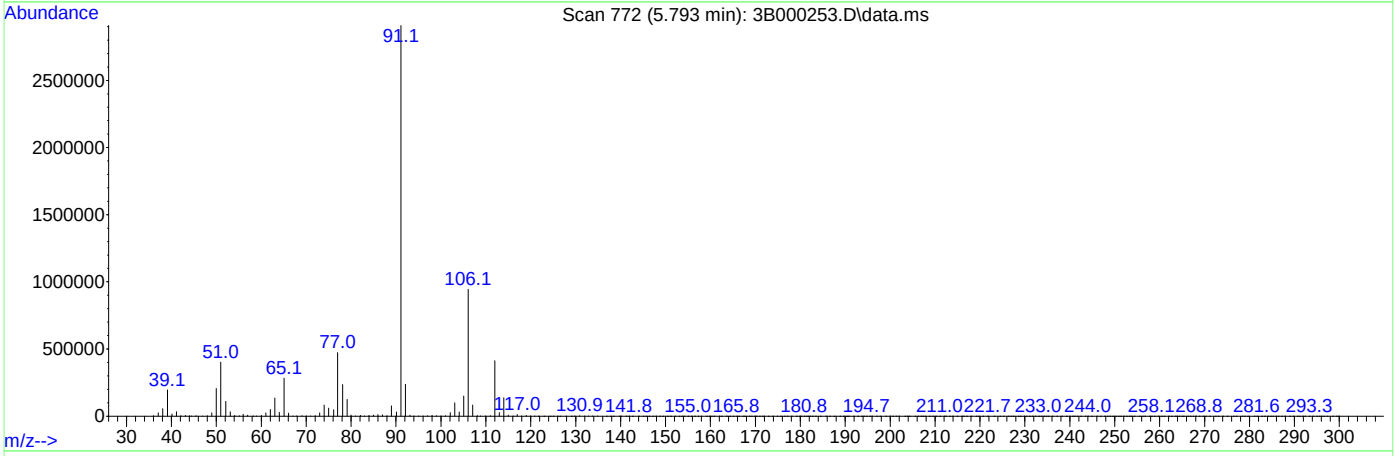
Ion	Exp%	Act%
91.00	100	100
106.00	30.40	32.46
65.00	9.00	9.61
51.00	10.80	13.45

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000253.D
Acq On : 24 Sep 2024 02:56 pm
Operator : davidb2
Sample : IC13-7 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 25 06:13:45 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000253.D\data.ms

(77) Ethylbenzene

5.793min (0.000) 111.67ug/L m

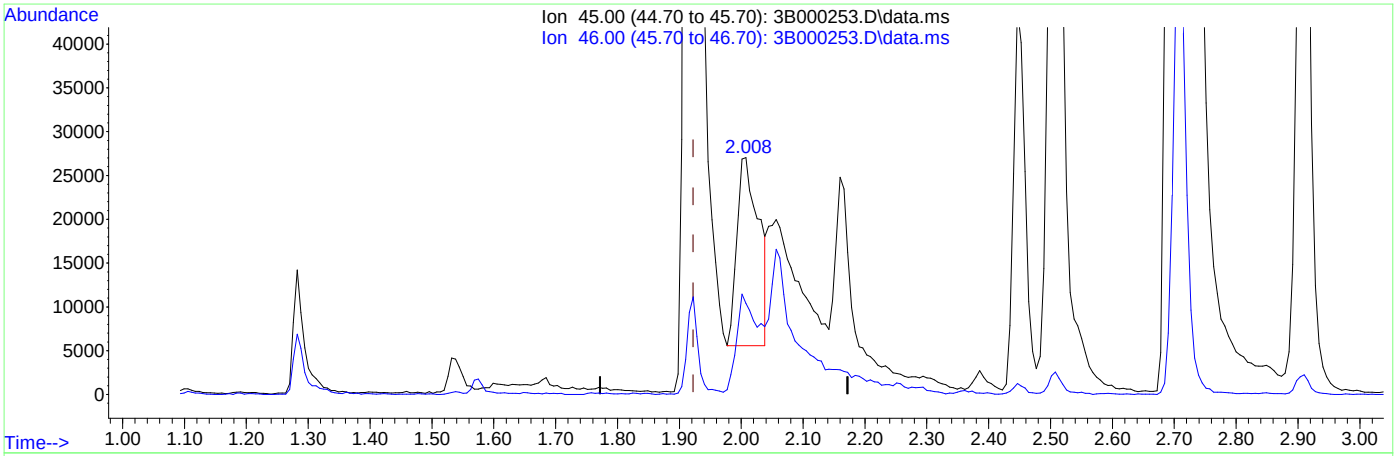
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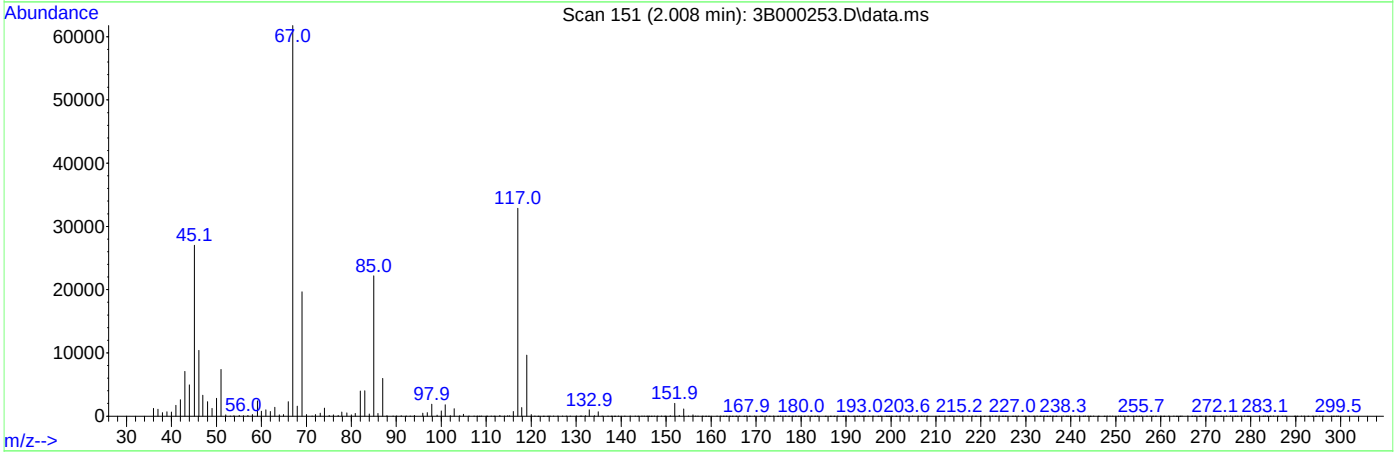
Ion	Exp%	Act%
91.00	100	100
106.00	30.40	32.46
65.00	9.00	9.70
51.00	10.80	13.82

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000253.D
Acq On : 24 Sep 2024 02:56 pm
Operator : davidb2
Sample : IC13-7 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 25 06:13:45 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000253.D\data.ms

(10) Ethanol

2.008min (+0.085) 574.20ug/L

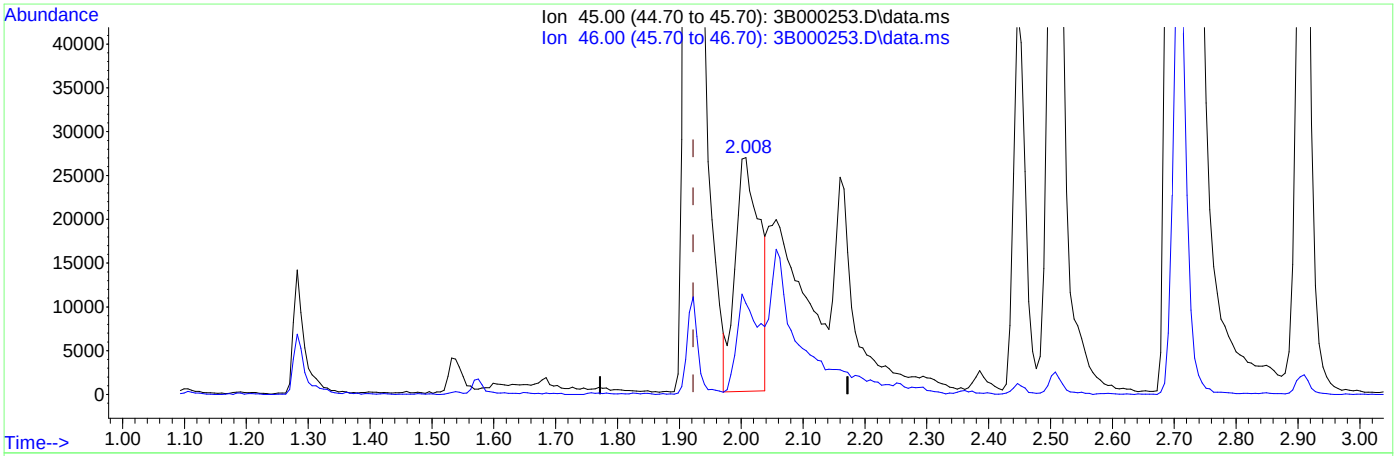
response 52583

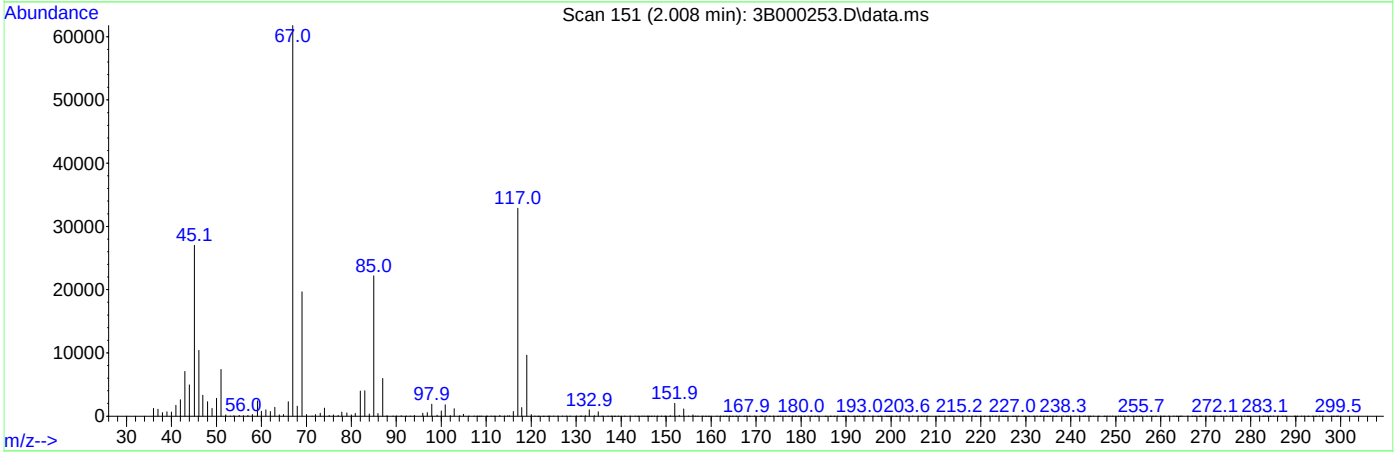
Ion	Exp%	Act%
45.00	100	100
46.00	40.60	45.93
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000253.D
Acq On : 24 Sep 2024 02:56 pm
Operator : davidb2
Sample : IC13-7 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 25 06:13:45 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000253.D\data.ms

(10) Ethanol

2.008min (+0.085) 810.57ug/L m

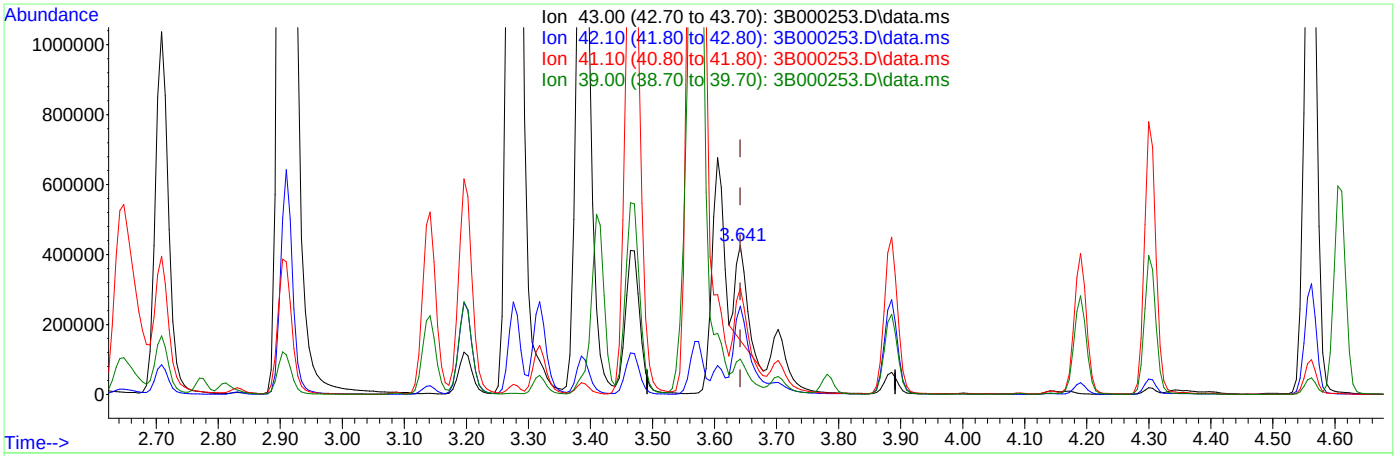
response 73530

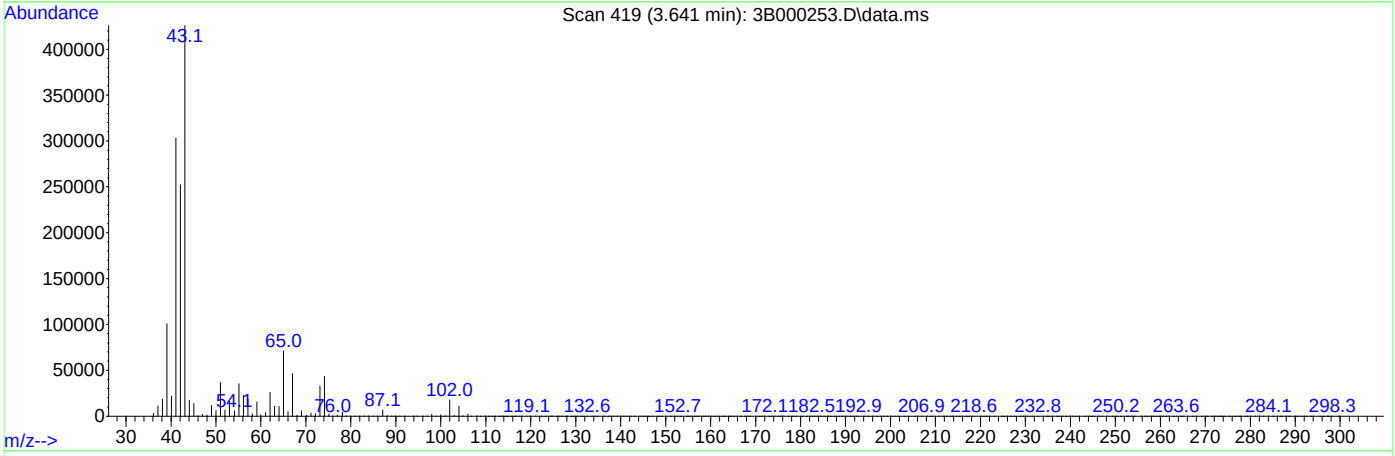
Ion	Exp%	Act%
45.00	100	100
46.00	40.60	38.51
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000253.D
Acq On : 24 Sep 2024 02:56 pm
Operator : davidb2
Sample : IC13-7 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 25 06:13:45 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000253.D\data.ms

(51) Isobutyl Alcohol

3.641min (0.000) 404.40ug/L

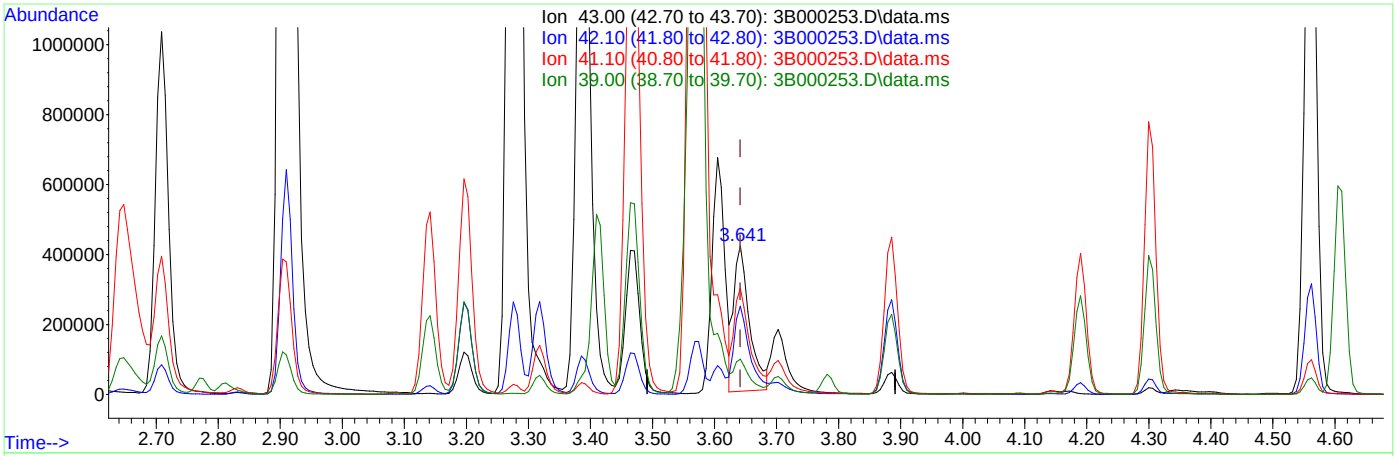
response 307925

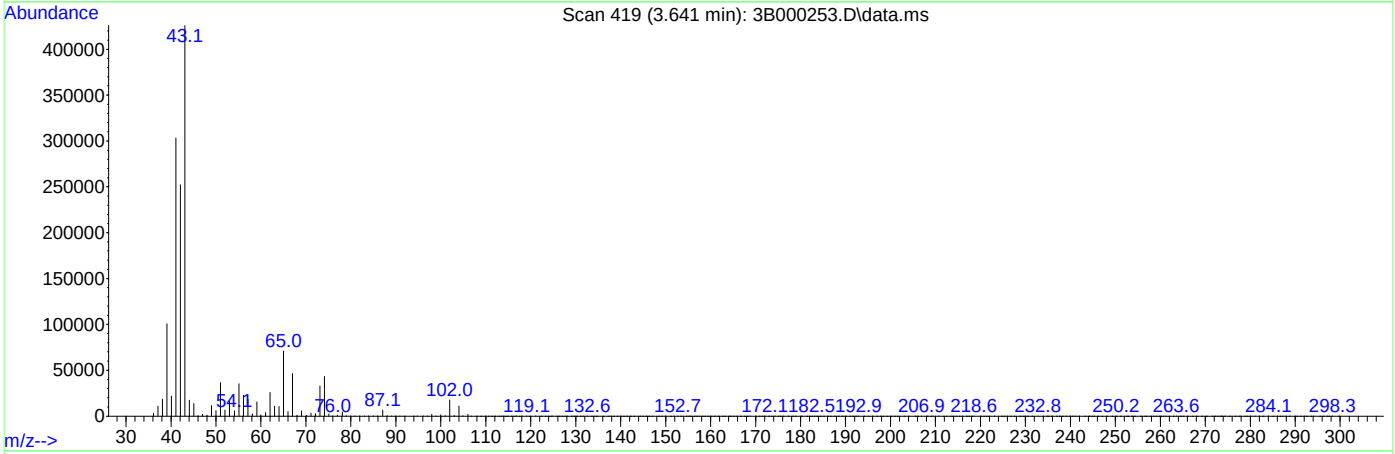
Ion	Exp%	Act%
43.00	100	100
42.10	33.00	60.12
41.10	49.00	69.53
39.00	31.10	22.51

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000253.D
Acq On : 24 Sep 2024 02:56 pm
Operator : davidb2
Sample : IC13-7 Inst : MSVOA22-3B
Misc : ms57534,V3B13,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 25 06:13:45 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Tue Sep 24 12:48:19 2024
Response via : Initial Calibration





TIC: 3B000253.D\data.ms

(51) Isobutyl Alcohol

3.641min (0.000) 963.80ug/L m

response 733866

Ion	Exp%	Act%
43.00	100	100
42.10	33.00	59.24
41.10	49.00	71.23
39.00	31.10	23.67

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/25/24 07:51

Quantitation Report (QT Reviewed)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000255.D
Acq On : 24 Sep 2024 03:43 pm
Operator : davidb2
Sample : ICV13-5 Inst : MSVOA22-3B
Misc : ms57558,V3B13,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 25 06:45:38 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Sep 25 06:45:21 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.782	96	1759571	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.763	117	1103503	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.513	152	560107	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.318	113	399638	50.70	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.40%			
49) 1,2-Dichloroethane-d4	3.623	65	508725	52.55	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 105.10%			
63) Toluene-d8	4.727	98	1659069	50.20	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.40%			
86) 4-Bromofluorobenzene	6.653	174	425098	49.23	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.46%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.179	85	406219	36.81	ug/L	100
3) Chloromethane	1.325	50	394766	36.80	ug/L	100
4) 1,3-butadiene	1.374	39	370280	41.41	ug/L	99
5) Vinyl Chloride	1.362	62	390031	37.93	ug/L	99
6) Bromomethane	1.569	94	106397	43.96	ug/L	100
7) Chloroethane	1.648	64	146957	41.30	ug/L	97
8) Trichlorofluoromethane	1.733	101	321595	37.75	ug/L	100
9) Ethyl Ether	1.916	59	326734	37.37	ug/L	96
11) 1,2-Dichlorotrifluoroe...	2.020	67	402809	38.17	ug/L	99
12) 1,1-Dichloroethene	2.032	61	566996	39.89	ug/L	100
13) Freon 113	2.057	101	309715	37.04	ug/L	98
14) Carbon Disulfide	2.057	76	855784	34.45	ug/L	99
15) Iodomethane	2.124	142	214850	39.26	ug/L	98
16) Acrolein	2.221	56	352511	212.34	ug/L	99
17) Allyl chloride	2.300	41	637527	42.03	ug/L	98
18) Methylene Chloride	2.355	49	543849	41.96	ug/L	99
19) Acetone	2.380	43	687178	238.10	ug/L	100
20) Methyl acetate	2.447	43	1886145	213.20	ug/L	99
21) trans-1,2-Dichloroethene	2.447	61	564752	41.45	ug/L	99
22) Hexane	2.489	56	326350	34.28	ug/L	99
23) Methyl Tert Butyl Ether	2.502	73	1127206	40.28	ug/L	92
24) Acetonitrile	2.636	41	541003	476.82	ug/L	99
25) Tert Butyl Alcohol	2.538	59	566146	442.10	ug/L	99
26) Di-isopropyl ether	2.703	45	1318356	38.45	ug/L	99
27) Chloroprene	2.806	53	974367	41.66	ug/L	99
28) 1,1-Dichloroethane	2.782	63	727169	41.30	ug/L	99
29) Acrylonitrile	2.806	52	674430	212.62	ug/L	99
30) ETBE	2.904	59	1239215	38.77	ug/L	99
31) Vinyl acetate	2.904	43	4778773	213.33	ug/L	100
32) cis-1,2-Dichloroethene	3.075	96	407659	42.60	ug/L	97
33) 2,2-Dichloropropane	3.136	77	563265	41.15	ug/L	100
34) Bromochloromethane	3.184	128	166733	38.98	ug/L	93
35) Cyclohexane	3.197	56	675081	36.19	ug/L	99
36) Chloroform	3.221	83	688395	41.90	ug/L	99
37) Ethyl acetate	2.904	43	4797158	213.16	ug/L	100
38) Tetrahydrofuran	3.312	42	154415	40.16	ug/L	100
40) Carbon Tetrachloride	3.306	117	459227m	41.76	ug/L	

Quantitation Report (QT Reviewed)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000255.D
Acq On : 24 Sep 2024 03:43 pm
Operator : davidb2
Sample : ICV13-5 Inst : MSVOA22-3B
Misc : ms57558,V3B13,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 25 06:45:38 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Sep 25 06:45:21 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,1,1-Trichloroethane	3.343	97	574573	41.87	ug/L	99
42) 2-Butanone	3.386	43	1178923	222.49	ug/L	97
43) 1,1-Dichloropropene	3.410	75	525852	45.37	ug/L	98
46) Methacrylonitrile	3.568	41	3159449	445.51	ug/L	99
47) Benzene	3.550	78	1521977	40.89	ug/L	95
48) TAME	3.605	73	1053333	39.54	ug/L	99
50) 1,2-Dichloroethane	3.660	62	544409	42.61	ug/L	99
51) Isobutyl Alcohol	3.636	43	323639m	941.15	ug/L	
52) Tert Amyl Alcohol	3.696	59	360702	472.90	ug/L	98
53) Trichloroethene	3.879	95	392678	42.22	ug/L	99
54) Methylcyclohexane	3.885	83	603579	38.06	ug/L	98
55) Dibromomethane	4.129	93	232536	42.62	ug/L	97
56) 1,2-Dichloropropane	4.190	63	433845	42.35	ug/L	99
57) Bromodichloromethane	4.221	83	493559	42.75	ug/L	99
58) Methyl methacrylate	4.300	41	436461	47.06	ug/L	99
59) 1,4-Dioxane	4.343	88	68314	968.81	ug/L	99
60) 2-Chloroethyl vinyl ether	4.556	63	1494603	219.01	ug/L	97
61) cis-1,3-Dichloropropene	4.605	75	630258	41.97	ug/L	100
64) Toluene	4.763	91	1591991	42.08	ug/L	100
65) 2-Nitropropane	4.562	41	69010m	235.06	ug/L	
66) 4-Methyl-2-pentanone	4.995	43	2420593	220.72	ug/L	100
67) trans-1,3-Dichloropropene	4.605	75	630258	41.85	ug/L	100
68) Tetrachloroethene	5.013	166	441528	46.24	ug/L	99
70) 1,1,2-Trichloroethane	5.129	83	299303	43.12	ug/L	100
71) Dibromochloromethane	5.251	129	352724	46.24	ug/L	99
72) 1,3-Dichloropropane	5.312	76	660510	43.98	ug/L	99
73) 1,2-Dibromoethane	5.416	107	374478	44.73	ug/L	100
74) 3,3-Dimethyl-1-Butanol	5.532	57	2206825	2235.03	ug/L	100
75) 2-hexanone	5.556	43	2036833	223.75	ug/L	99
76) 1-Chlorohexane	5.757	91	446532m	35.03	ug/L	
77) Ethylbenzene	5.794	91	1668304m	40.41	ug/L	
78) Chlorobenzene	5.781	112	947119	41.43	ug/L	100
79) 1,1,1,2-Tetrachloroethane	5.818	131	336291	45.07	ug/L	100
80) m,p-Xylene	5.897	91	2615993	82.59	ug/L	100
81) o-Xylene	6.208	91	1339799	41.62	ug/L	99
82) Styrene	6.245	104	1091705	44.39	ug/L	100
83) Bromoform	6.269	173	220036	43.06	ug/L	98
84) Isopropylbenzene	6.440	105	1605573	42.48	ug/L	100
87) cis-1,4-Dichloro-2-butene	6.696	53	185164	47.65	ug/L	97
88) n-Propylbenzene	6.757	91	1895597	41.25	ug/L	99
89) Bromobenzene	6.733	156	378579	41.73	ug/L	98
90) 1,1,2,2-Tetrachloroethane	6.800	83	486132	45.54	ug/L	100
91) 1,3,5-Trimethylbenzene	6.909	105	1381806	42.66	ug/L	100
92) 2-Chlorotoluene	6.873	91	1267839	41.24	ug/L	99
93) trans-1,4-Dichloro-2-B...	6.940	53	135329	43.57	ug/L	99
94) 1,2,3-Trichloropropane	6.909	110	155148	44.59	ug/L	98
95) Cyclohexanone	6.940	55	149108	477.37	ug/L	98
96) 4-Chlorotoluene	7.001	91	1205003	41.33	ug/L	100
97) tert-Butylbenzene	7.153	91	755831	41.47	ug/L	100
98) 1,2,4-Trimethylbenzene	7.208	105	1384867	43.09	ug/L	99
99) Pentachloroethane	7.171	167	150885	39.40	ug/L	93
100) sec-Butylbenzene	7.293	105	1568885	40.34	ug/L	100
101) 4-Isopropyltoluene	7.403	119	1361175	41.93	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000255.D
Acq On : 24 Sep 2024 03:43 pm
Operator : davidb2
Sample : ICV13-5 Inst : MSVOA22-3B
Misc : ms57558,V3B13,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 25 06:45:38 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Sep 25 06:45:21 2024
Response via : Initial Calibration

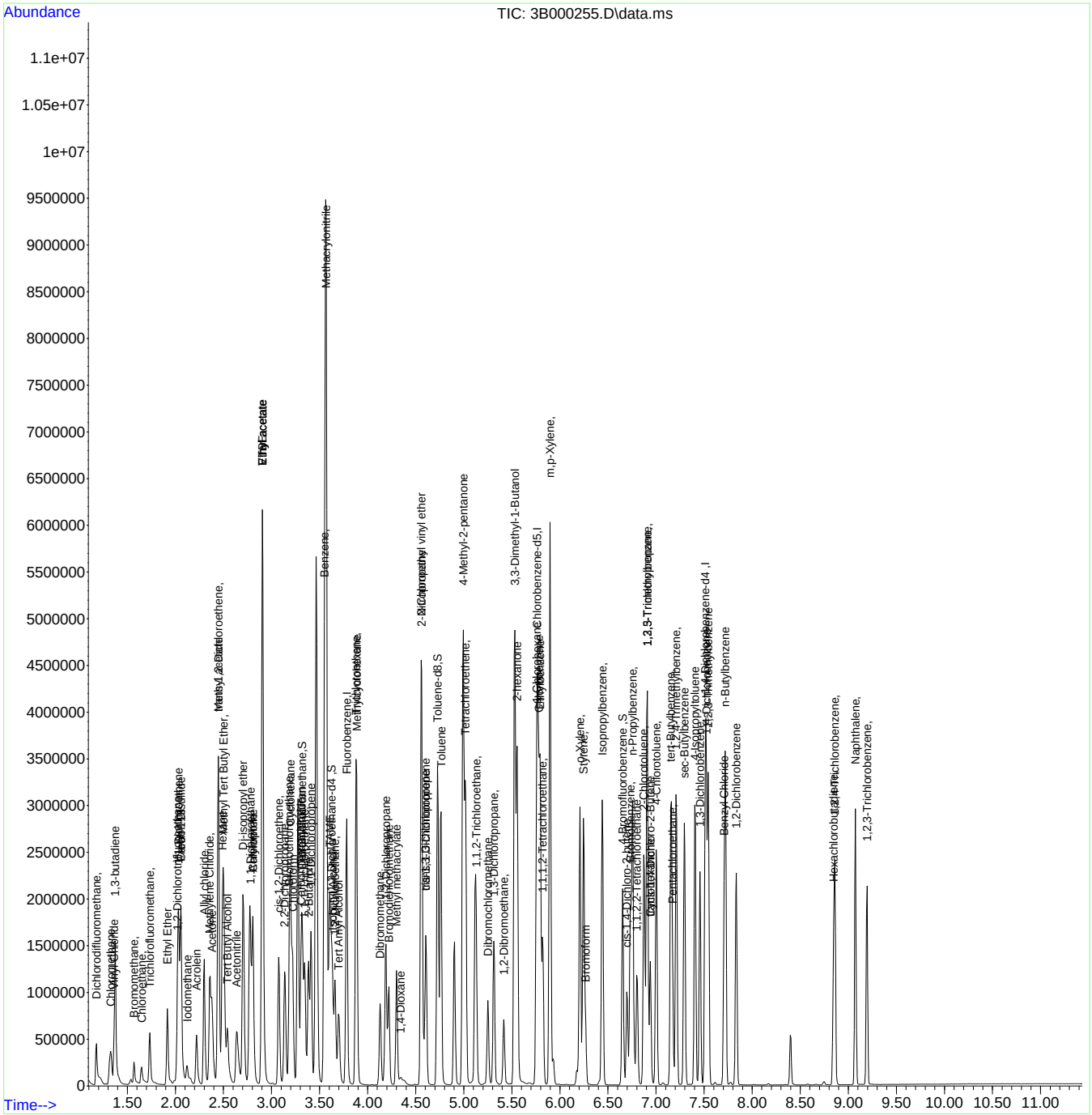
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) 1,3-Dichlorobenzene	7.458	146	706656	41.55	ug/L	99
103) 1,2,3-Trimethylbenzene	7.543	105	1377549	41.84	ug/L	100
104) 1,4-Dichlorobenzene	7.525	146	713097	41.79	ug/L	100
105) n-Butylbenzene	7.720	92	798364	44.92	ug/L	99
106) Benzyl Chloride	7.708	126	181970	41.33	ug/L	100
107) 1,2-Dichlorobenzene	7.836	146	681597	41.93	ug/L	99
109) Hexachlorobutadiene	8.848	225	161510	39.28	ug/L	98
110) 1,2,4-Trichlorobenzene	8.860	180	456263	42.47	ug/L	98
111) Naphthalene	9.074	128	1463352	44.24	ug/L	100
112) 1,2,3-Trichlorobenzene	9.195	180	437522	41.83	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000255.D
Acq On : 24 Sep 2024 03:43 pm
Operator : davidb2
Sample : ICV13-5 Inst : MSVOA22-3B
Misc : ms57558,V3B13,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 25 06:45:38 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Sep 25 06:45:21 2024
Response via : Initial Calibration



Manual Integration Approval Summary

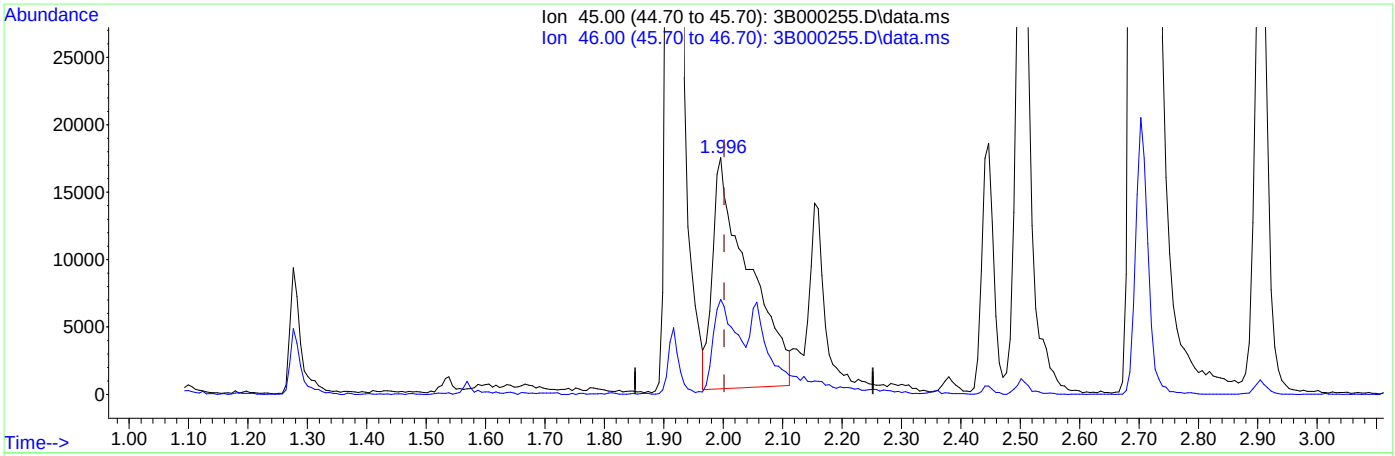
Sample Number: V3B13-ICV13 **Method:** SW846 8260D
Lab FileID: 3B000255.D **Analyst approved:** 09/25/24 07:00 Neil Christiana
Injection Time: 09/24/24 15:43 **Supervisor approved:** 09/25/24 07:51 Karen Watson

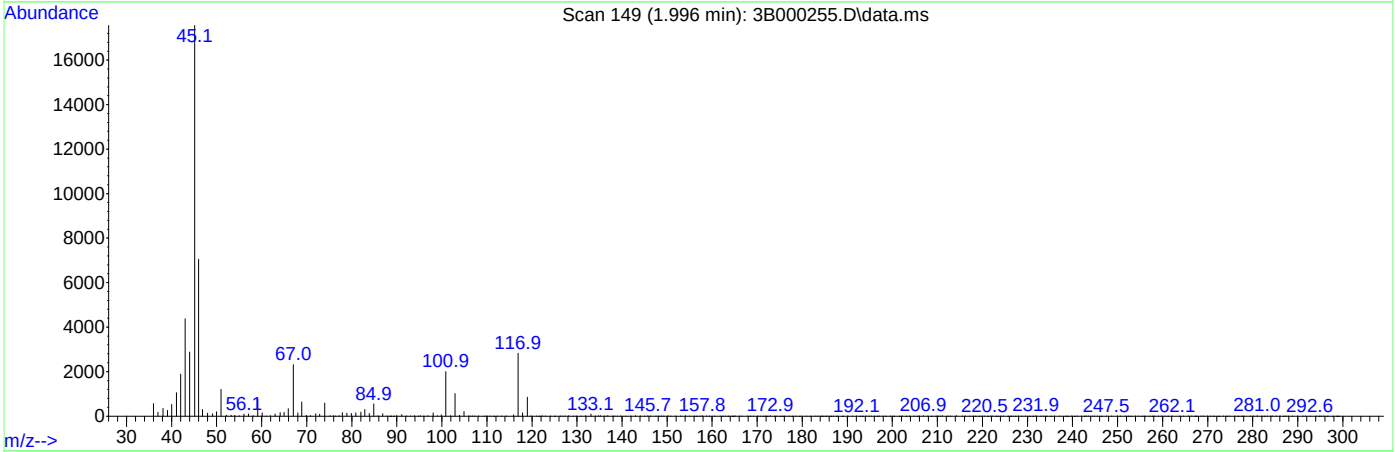
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.31	Overlapping peak
Isobutyl Alcohol	78-83-1		3.64	Poorly defined baseline
2-Nitropropane	79-46-9		4.56	Overlapping peak
1-Chlorohexane	544-10-5		5.76	Poorly defined baseline
Ethylbenzene	100-41-4		5.79	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000255.D
Acq On : 24 Sep 2024 03:43 pm
Operator : davidb2
Sample : ICV13-5 Inst : MSVOA22-3B
Misc : ms57558,V3B13,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 25 06:45:38 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
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Response via : Initial Calibration





TIC: 3B000255.D\data.ms

(10) Ethanol

1.996min (-0.006) 1748.19ug/L

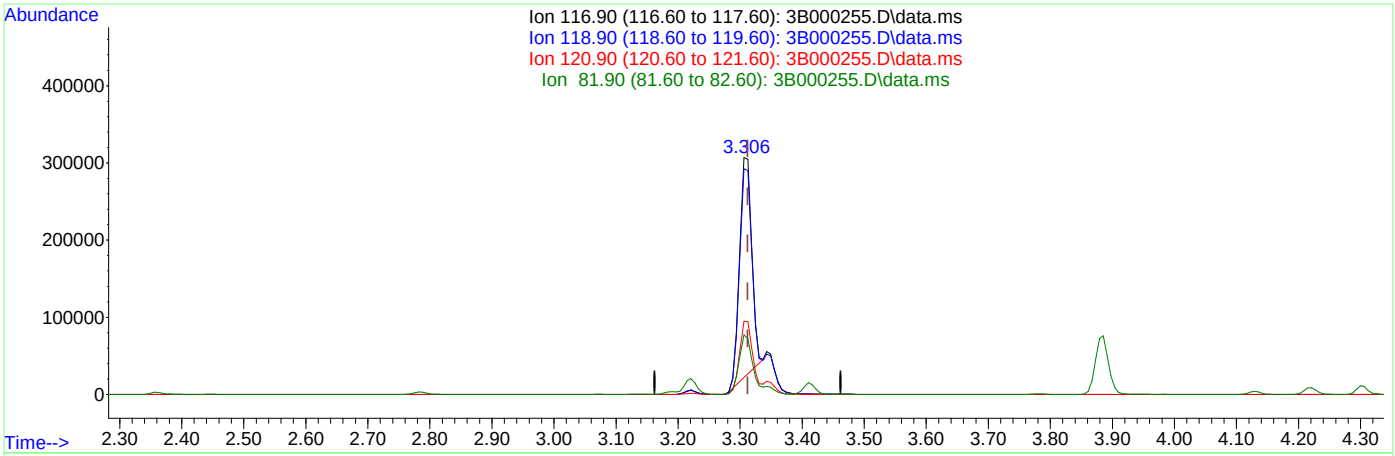
response 72753

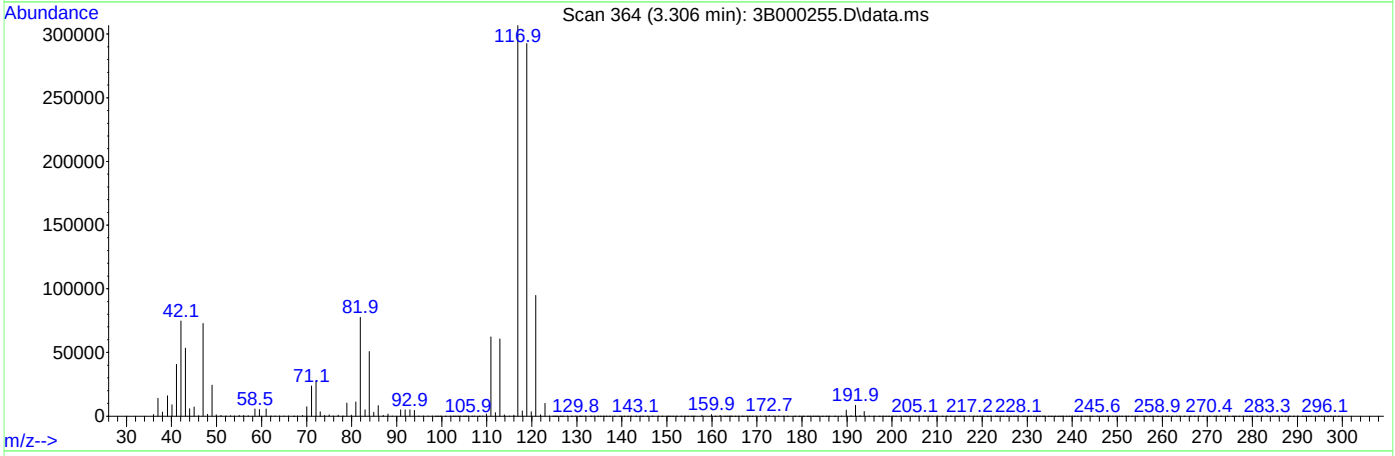
Ion	Exp%	Act%
45.00	100	100
46.00	38.00	47.75
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000255.D
Acq On : 24 Sep 2024 03:43 pm
Operator : davidb2
Sample : ICV13-5 Inst : MSVOA22-3B
Misc : ms57558,V3B13,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 25 06:45:38 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Sep 25 06:45:21 2024
Response via : Initial Calibration





TIC: 3B000255.D\data.ms

(40) Carbon Tetrachloride ( )

3.306min (-0.006) 35.97ug/L

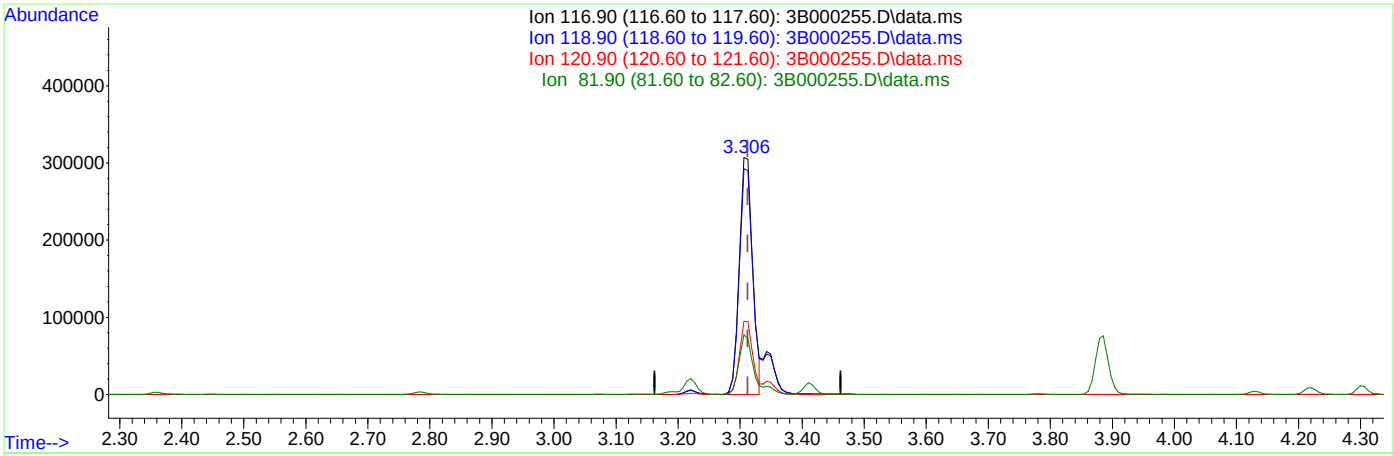
response 395534

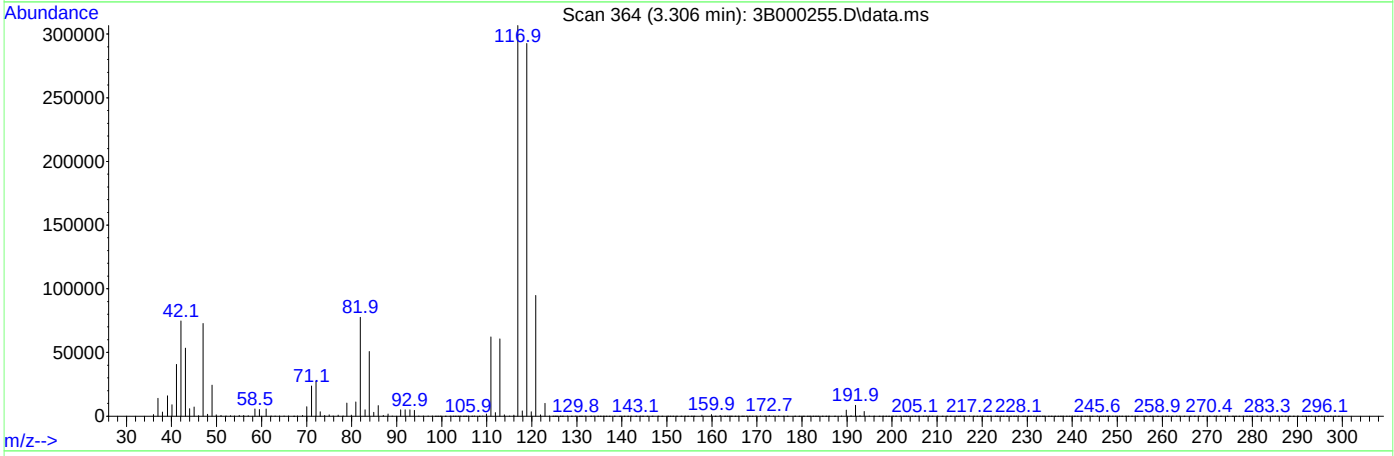
Ion	Exp%	Act%
116.90	100	100
118.90	97.60	95.35
120.90	30.80	30.89
81.90	24.50	25.14

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000255.D
Acq On : 24 Sep 2024 03:43 pm
Operator : davidb2
Sample : ICV13-5 Inst : MSVOA22-3B
Misc : ms57558,V3B13,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 25 06:45:38 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Sep 25 06:45:21 2024
Response via : Initial Calibration





TIC: 3B000255.D\data.ms

(40) Carbon Tetrachloride ( )

3.306min (-0.006) 41.76ug/L m

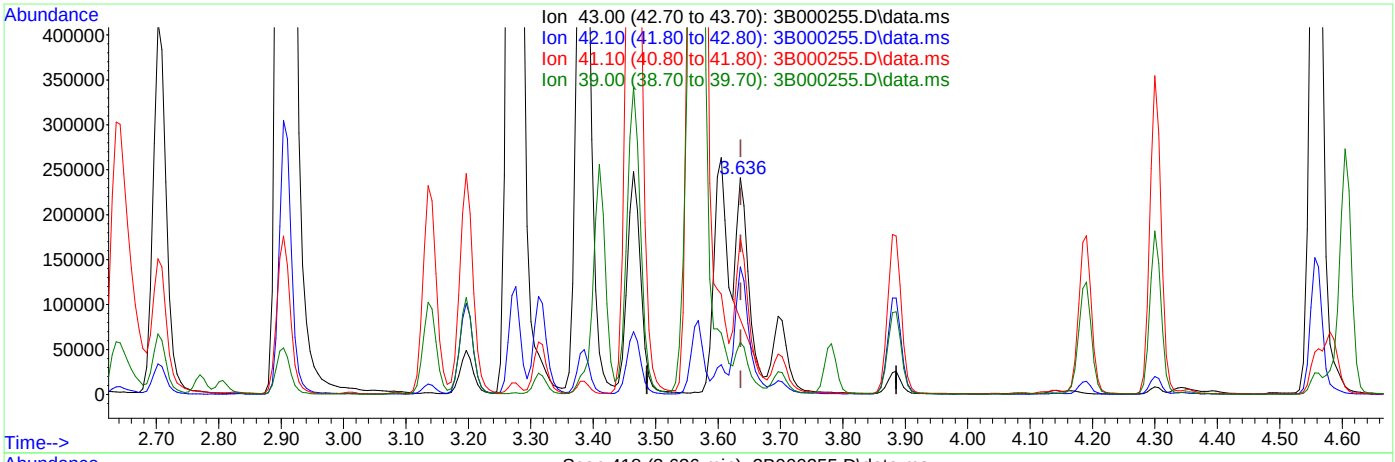
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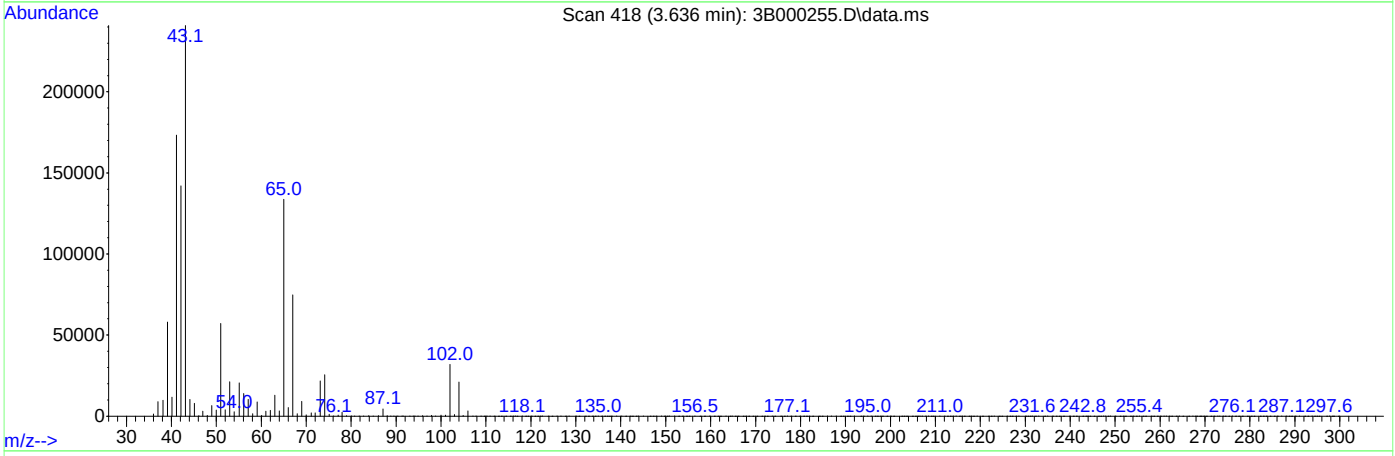
Ion	Exp%	Act%
116.90	100	100
118.90	97.60	95.35
120.90	30.80	30.87
81.90	24.50	25.26

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000255.D
Acq On : 24 Sep 2024 03:43 pm
Operator : davidb2
Sample : ICV13-5 Inst : MSVOA22-3B
Misc : ms57558,V3B13,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 25 06:45:38 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Sep 25 06:45:21 2024
Response via : Initial Calibration





TIC: 3B000255.D\data.ms

(51) Isobutyl Alcohol

3.636min (-0.000) 499.12ug/L

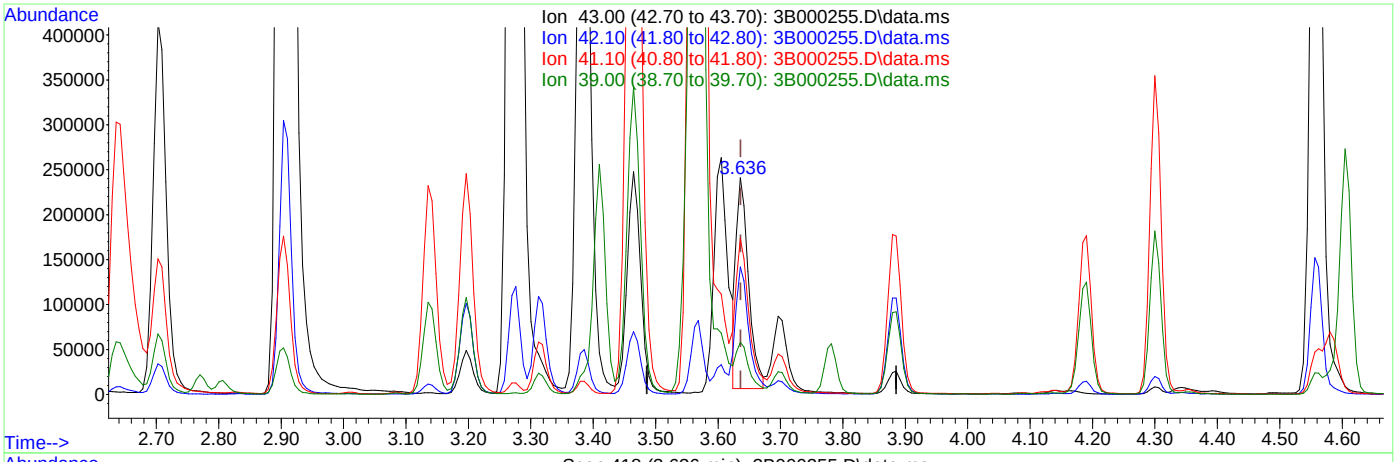
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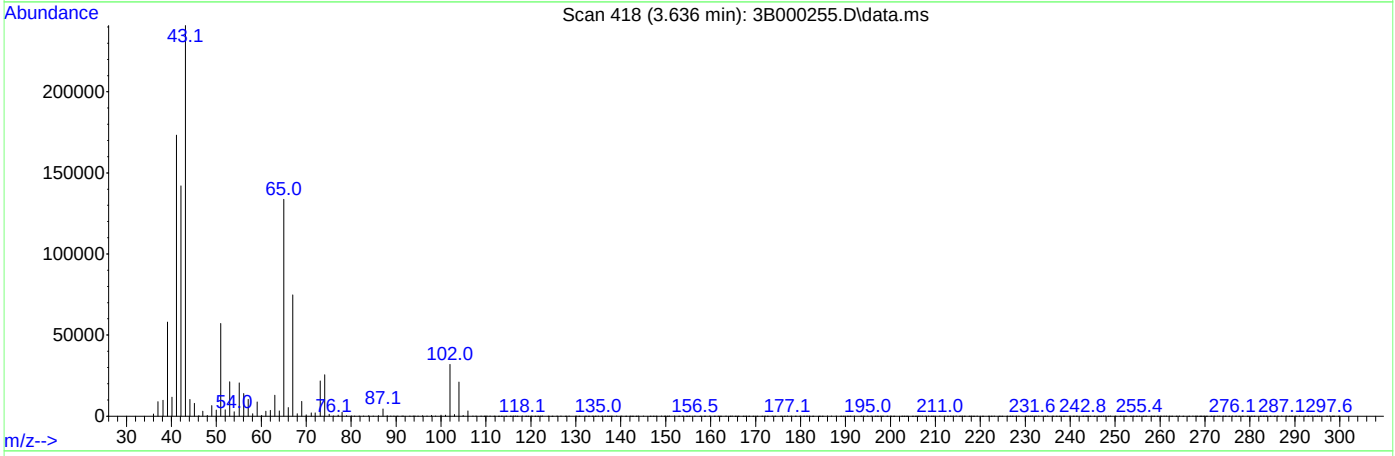
Ion	Exp%	Act%
43.00	100	100
42.10	58.30	58.72
41.10	72.80	70.62
39.00	24.70	22.64

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000255.D
Acq On : 24 Sep 2024 03:43 pm
Operator : davidb2
Sample : ICV13-5 Inst : MSVOA22-3B
Misc : ms57558,V3B13,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 25 06:45:38 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Sep 25 06:45:21 2024
Response via : Initial Calibration





TIC: 3B000255.D\data.ms

(51) Isobutyl Alcohol

3.636min (-0.000) 941.15ug/L m

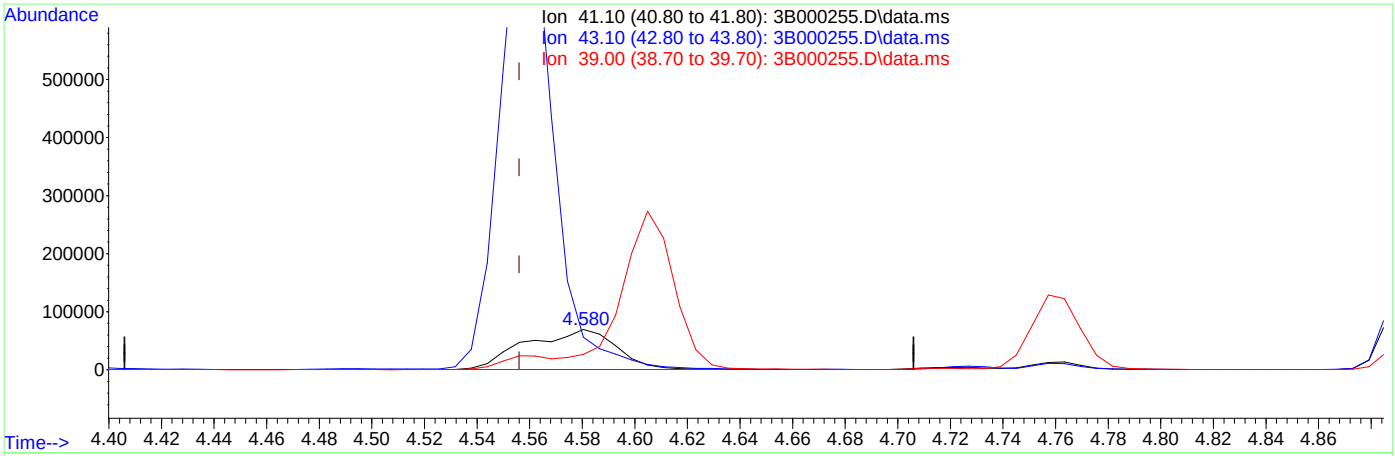
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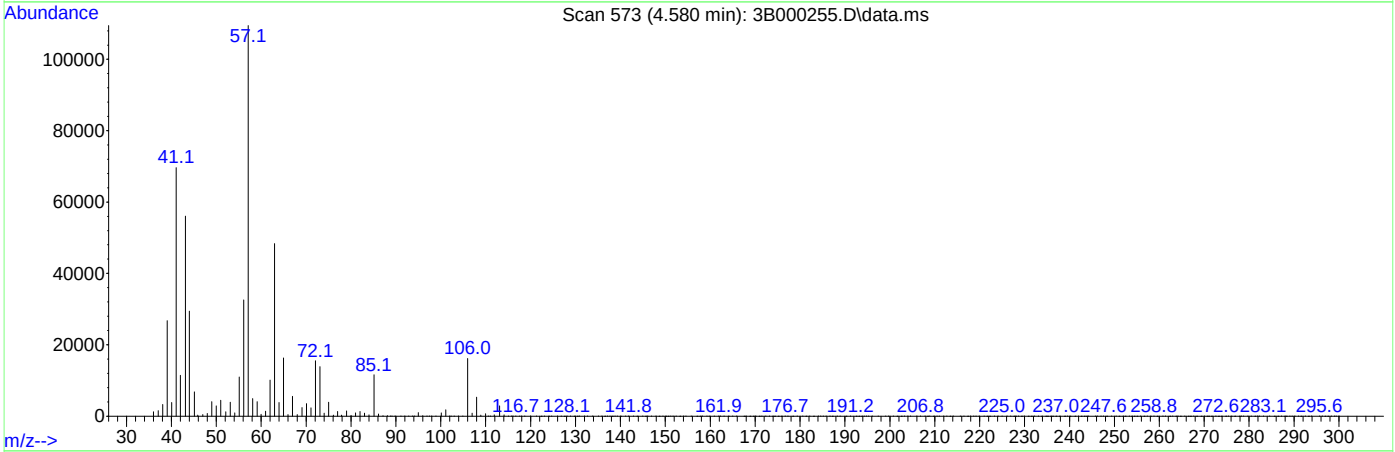
Ion	Exp%	Act%
43.00	100	100
42.10	58.30	58.94
41.10	72.80	71.95
39.00	24.70	24.07

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000255.D
Acq On : 24 Sep 2024 03:43 pm
Operator : davidb2
Sample : ICV13-5 Inst : MSVOA22-3B
Misc : ms57558,V3B13,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 25 06:45:38 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Sep 25 06:45:21 2024
Response via : Initial Calibration





TIC: 3B000255.D\data.ms

(65) 2-Nitropropane

4.580min (+0.024) 608.34ug/L

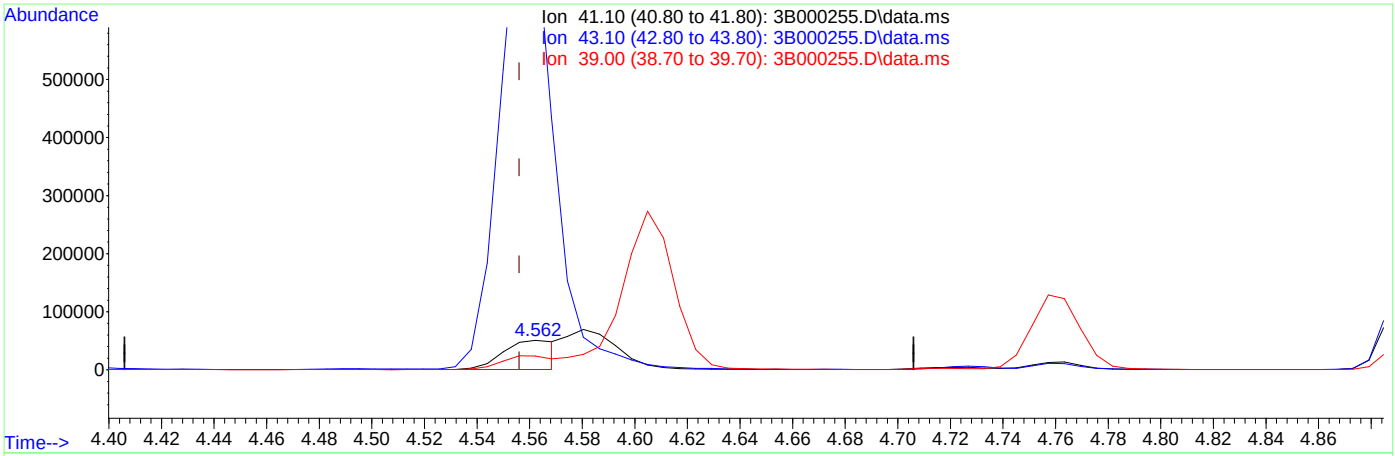
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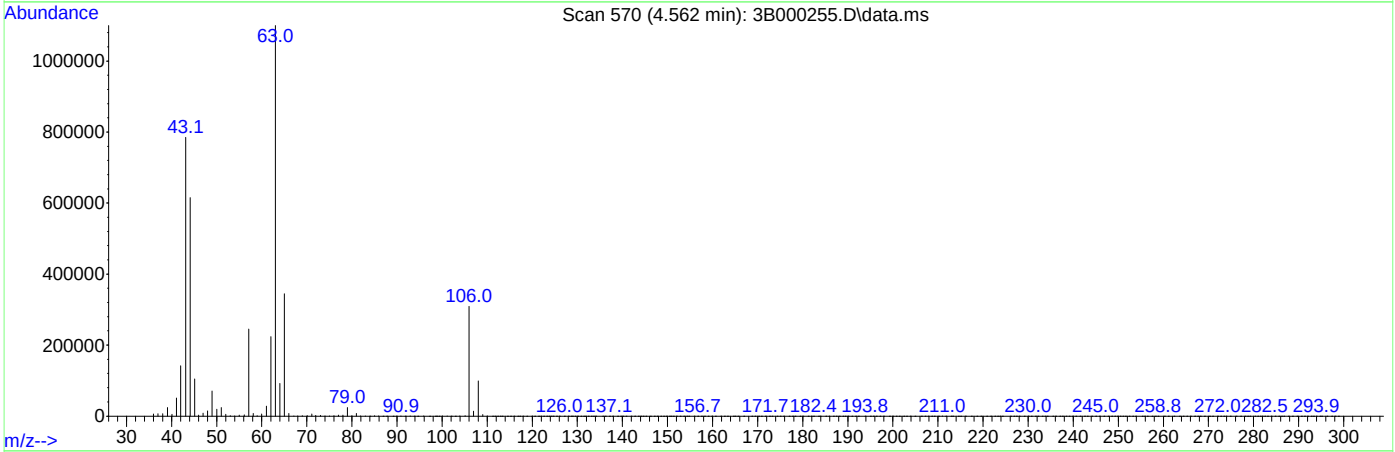
Ion	Exp%	Act%
41.10	100	100
43.10	1757.60	79.85#
39.00	46.40	38.17
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000255.D
Acq On : 24 Sep 2024 03:43 pm
Operator : davidb2
Sample : ICV13-5 Inst : MSVOA22-3B
Misc : ms57558,V3B13,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 25 06:45:38 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Sep 25 06:45:21 2024
Response via : Initial Calibration





TIC: 3B000255.D\data.ms

(65) 2-Nitropropane

4.562min (+0.006) 235.06ug/L m

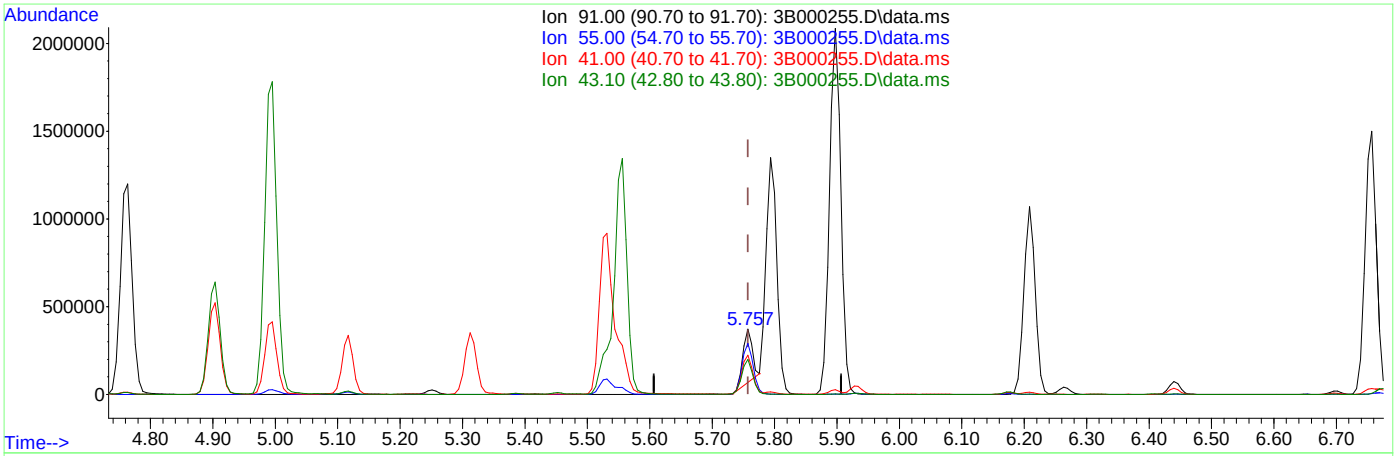
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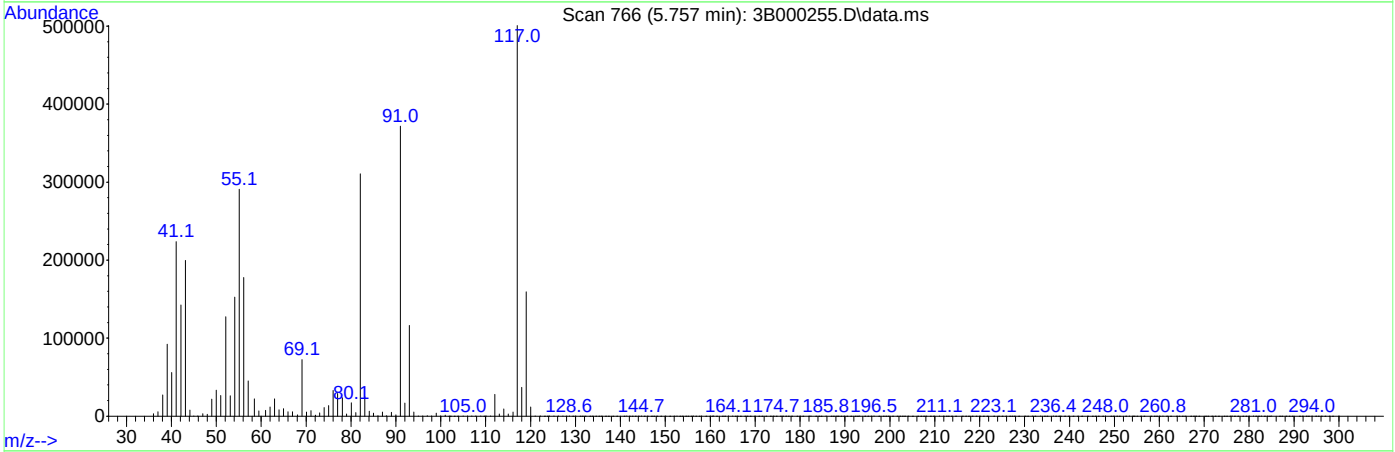
Ion	Exp%	Act%
41.10	100	100
43.10	1757.60	1542.79#
39.00	46.40	46.78
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000255.D
Acq On : 24 Sep 2024 03:43 pm
Operator : davidb2
Sample : ICV13-5 Inst : MSVOA22-3B
Misc : ms57558,V3B13,,,,,
ALS Vial : 11 Sample Multiplier: 1

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Response via : Initial Calibration





TIC: 3B000255.D\data.ms

(76) 1-Chlorohexane

5.757min (+0.000) 26.23ug/L

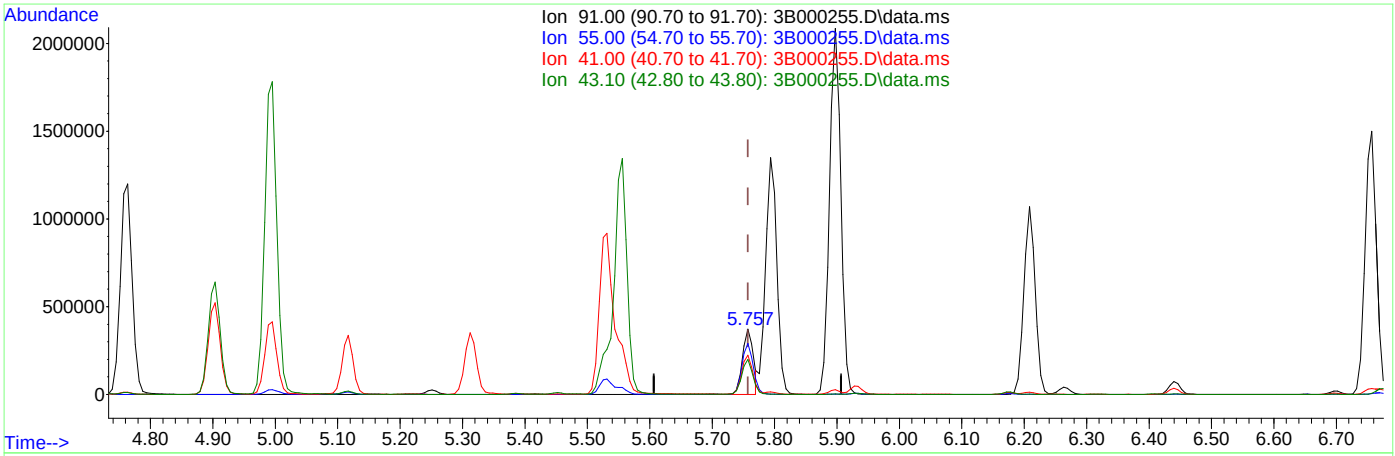
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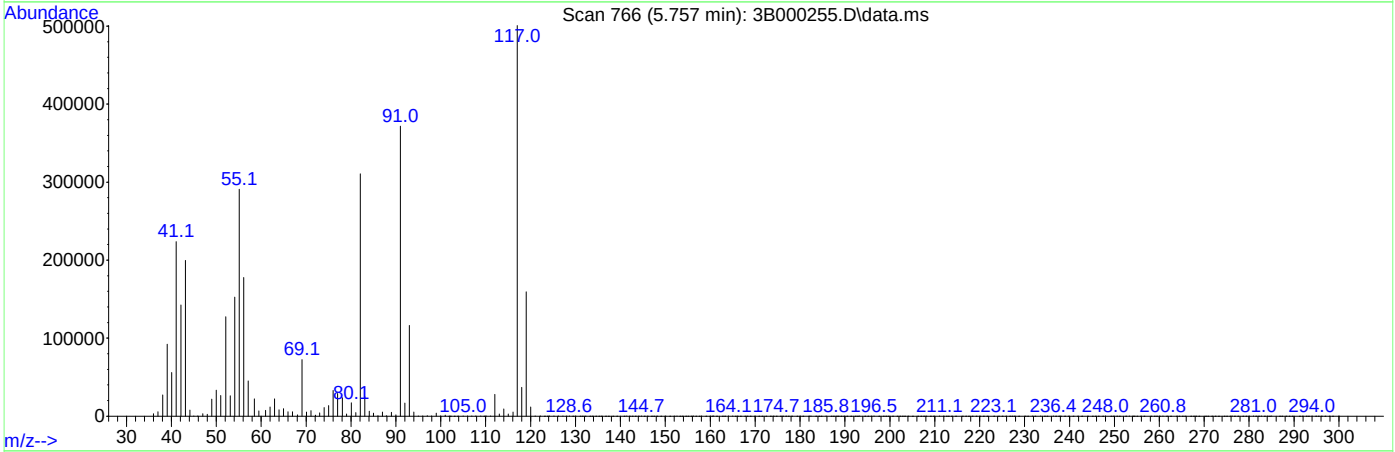
Ion	Exp%	Act%
91.00	100	100
55.00	79.50	77.83
41.00	60.40	59.25
43.10	52.20	53.06

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000255.D
Acq On : 24 Sep 2024 03:43 pm
Operator : davidb2
Sample : ICV13-5 Inst : MSVOA22-3B
Misc : ms57558,V3B13,,,,,
ALS Vial : 11 Sample Multiplier: 1

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Response via : Initial Calibration





TIC: 3B000255.D\data.ms

(76) 1-Chlorohexane

5.757min (+0.000) 35.03ug/L m

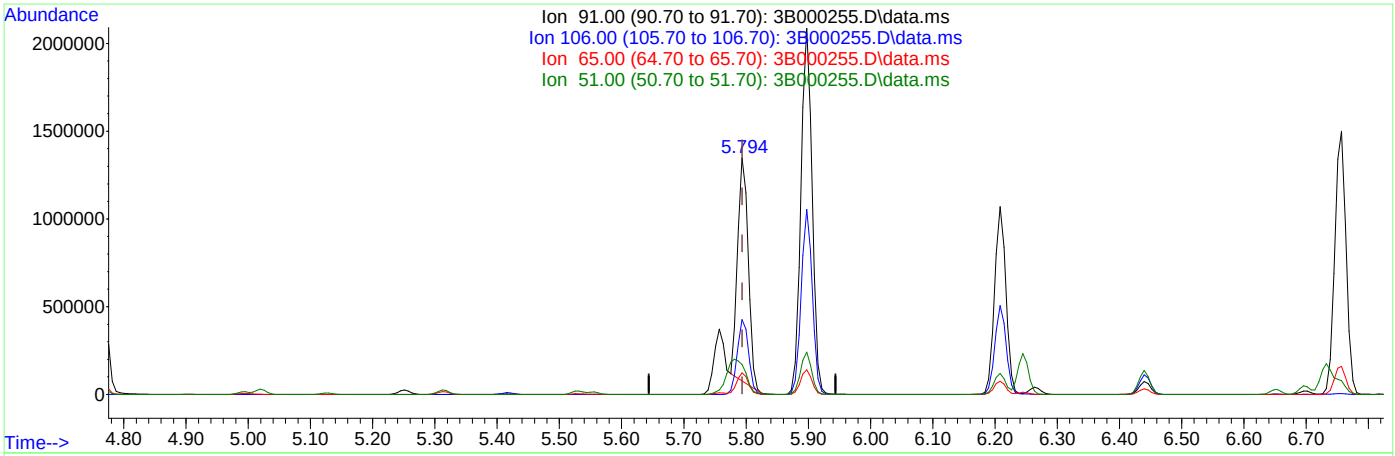
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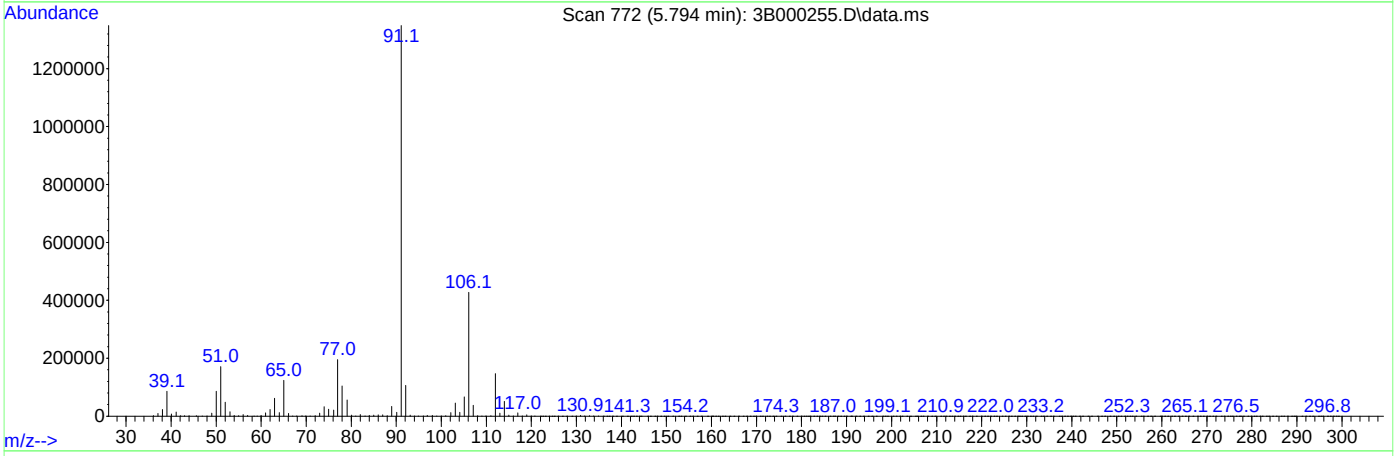
Ion	Exp%	Act%
91.00	100	100
55.00	79.50	78.22
41.00	60.40	60.15
43.10	52.20	53.68

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000255.D
Acq On : 24 Sep 2024 03:43 pm
Operator : davidb2
Sample : ICV13-5 Inst : MSVOA22-3B
Misc : ms57558,V3B13,,,,,
ALS Vial : 11 Sample Multiplier: 1

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Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Sep 25 06:45:21 2024
Response via : Initial Calibration





TIC: 3B000255.D\data.ms

(77) Ethylbenzene

5.794min (-0.000) 35.89ug/L

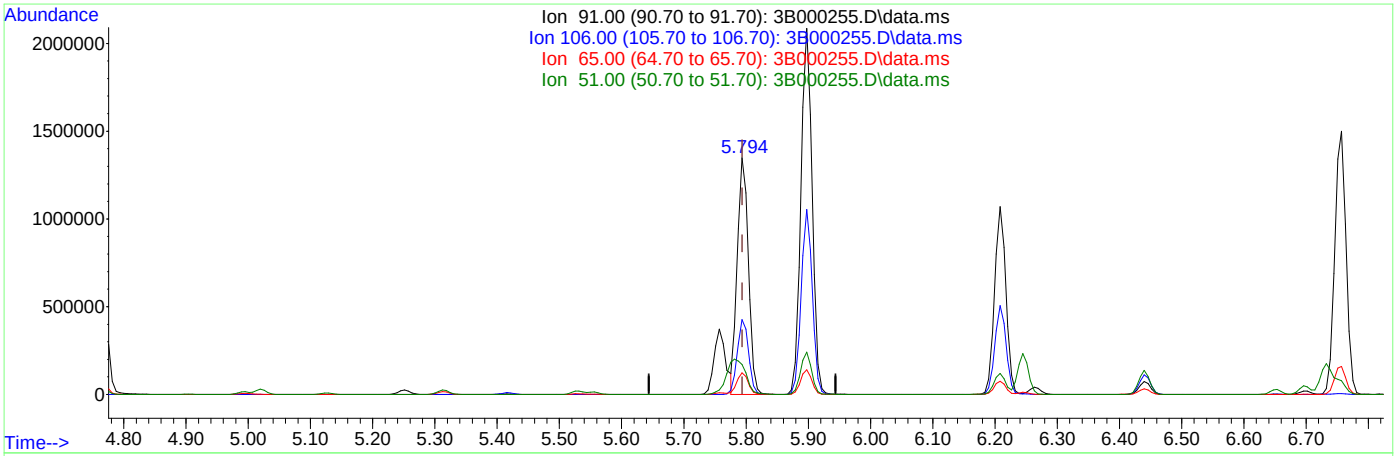
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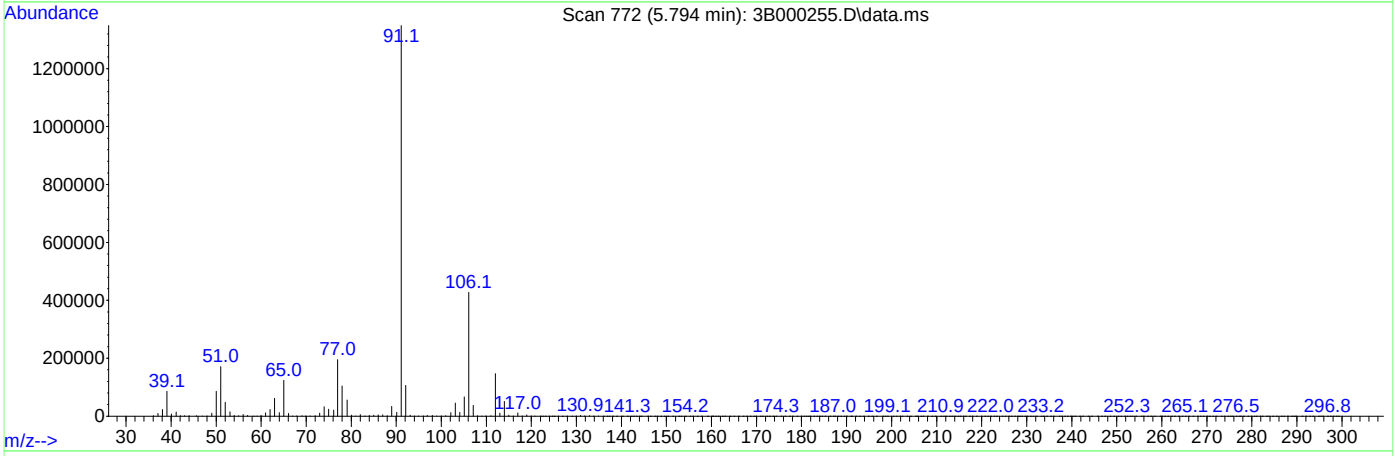
Ion	Exp%	Act%
91.00	100	100
106.00	31.60	31.66
65.00	9.30	9.10
51.00	12.70	12.34

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000255.D
Acq On : 24 Sep 2024 03:43 pm
Operator : davidb2
Sample : ICV13-5 Inst : MSVOA22-3B
Misc : ms57558,V3B13,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 25 06:45:38 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Sep 25 06:45:21 2024
Response via : Initial Calibration





TIC: 3B000255.D\data.ms

(77) Ethylbenzene

5.794min (-0.000) 40.41ug/L m

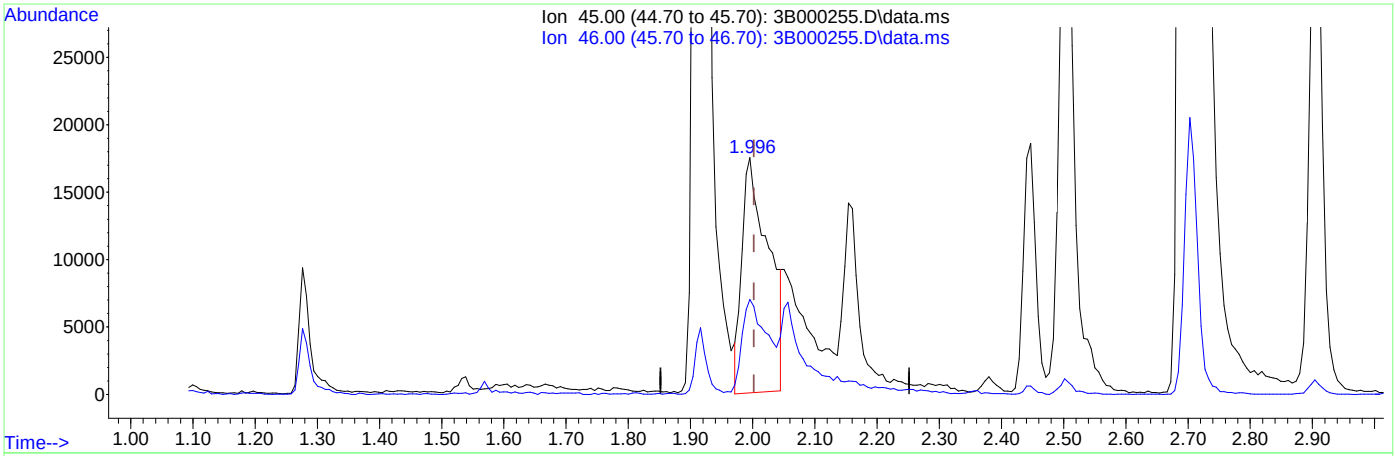
response 1668304

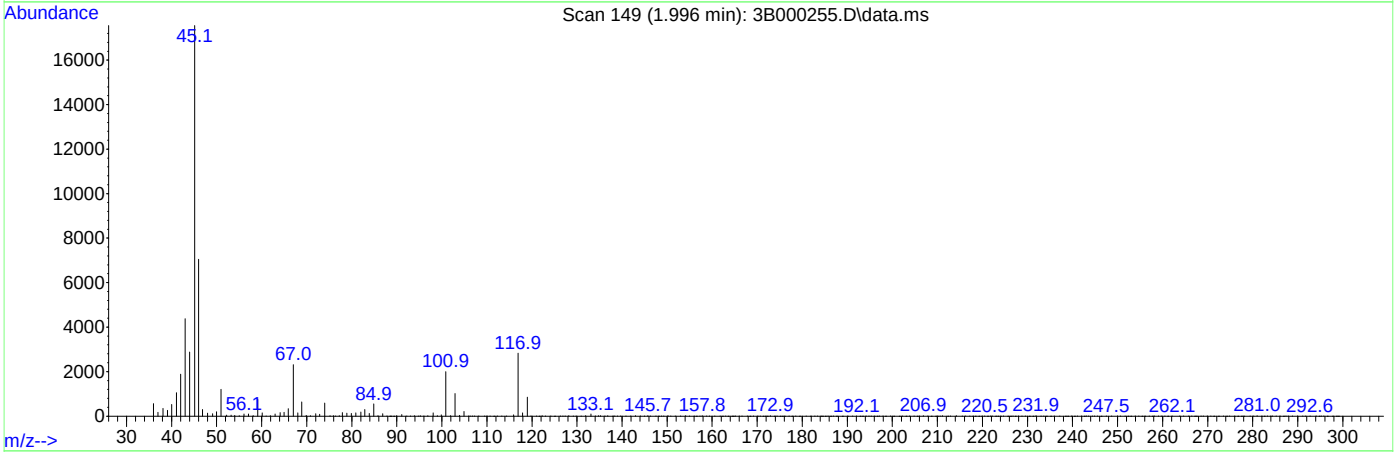
Ion	Exp%	Act%
91.00	100	100
106.00	31.60	31.65
65.00	9.30	9.18
51.00	12.70	12.69

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000255.D
Acq On : 24 Sep 2024 03:43 pm
Operator : davidb2
Sample : ICV13-5 Inst : MSVOA22-3B
Misc : ms57558,V3B13,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 25 06:45:38 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Sep 25 06:45:21 2024
Response via : Initial Calibration





TIC: 3B000255.D\data.ms

(10) Ethanol

1.996min (-0.006) 960.87ug/L m

response 51412

Ion	Exp%	Act%
45.00	100	100
46.00	38.00	40.11
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/25/24 07:51

Quantitation Report (QT Reviewed)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000256.D
Acq On : 24 Sep 2024 04:07 pm
Operator : davidb2
Sample : ICV13-4 Inst : MSVOA22-3B
Misc : ms57558,V3B13,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 25 06:45:41 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Sep 25 06:45:21 2024
Response via : Initial Calibration

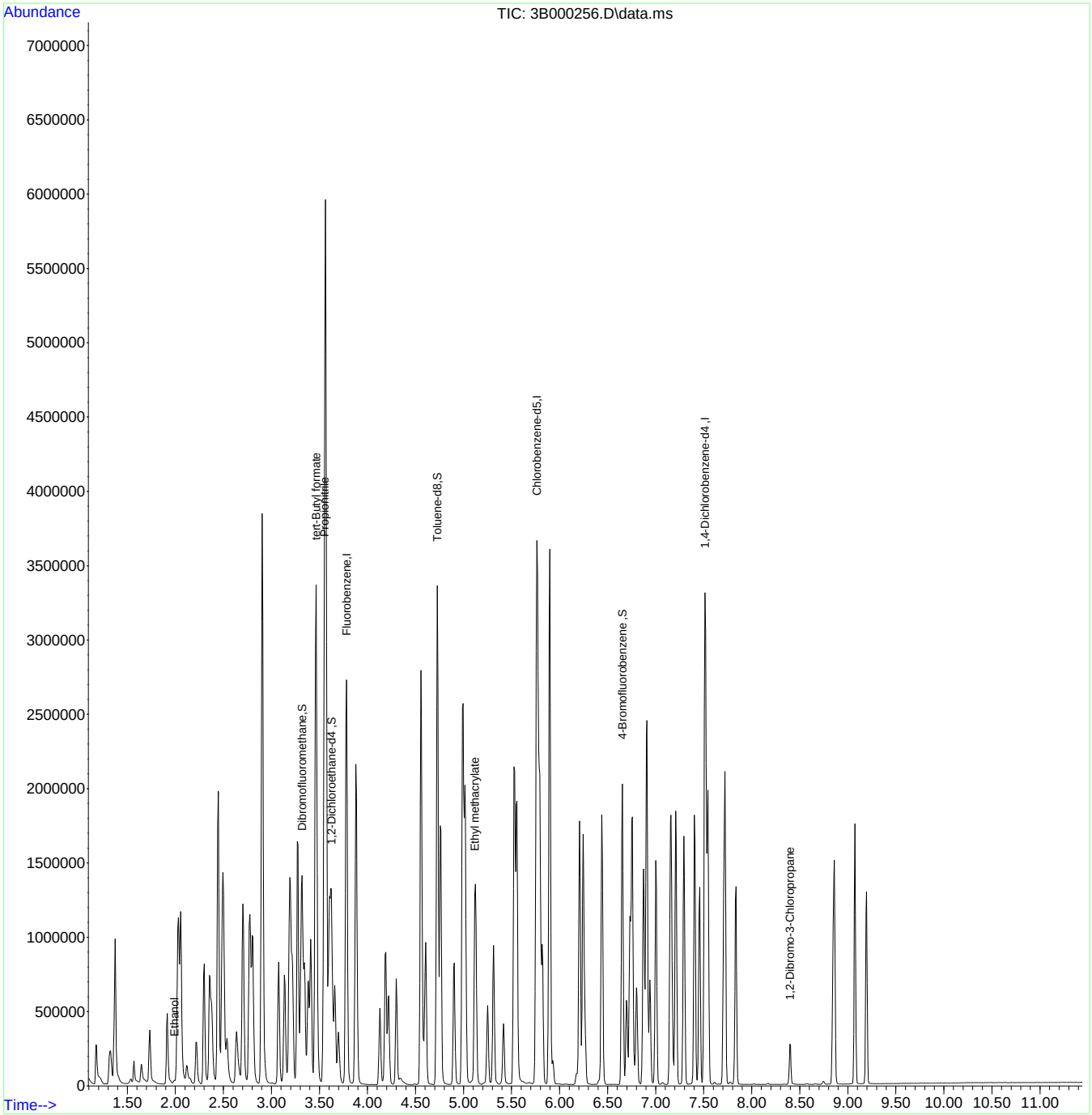
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.782	96	1720048	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.763	117	1079899	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.513	152	544480	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.318	113	389200	50.51	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.02%			
49) 1,2-Dichloroethane-d4	3.623	65	491887	51.97	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 103.94%			
63) Toluene-d8	4.727	98	1616273	49.98	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 99.96%			
86) 4-Bromofluorobenzene	6.653	174	415386	49.49	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.98%			
Target Compounds						Qvalue
10) Ethanol	1.989	45	29071m	490.69	ug/L	
44) tert-Butyl formate	3.465	59	1356648	161.09	ug/L	99
45) Propionitrile	3.550	54	437810	279.86	ug/L #	83
69) Ethyl methacrylate	5.117	69	308472	29.78	ug/L	98
108) 1,2-Dibromo-3-Chloropr...	8.397	75	51234	26.10	ug/L	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000256.D
Acq On : 24 Sep 2024 04:07 pm
Operator : davidb2
Sample : ICV13-4 Inst : MSVOA22-3B
Misc : ms57558,V3B13,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 25 06:45:41 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Sep 25 06:45:21 2024
Response via : Initial Calibration



Manual Integration Approval Summary

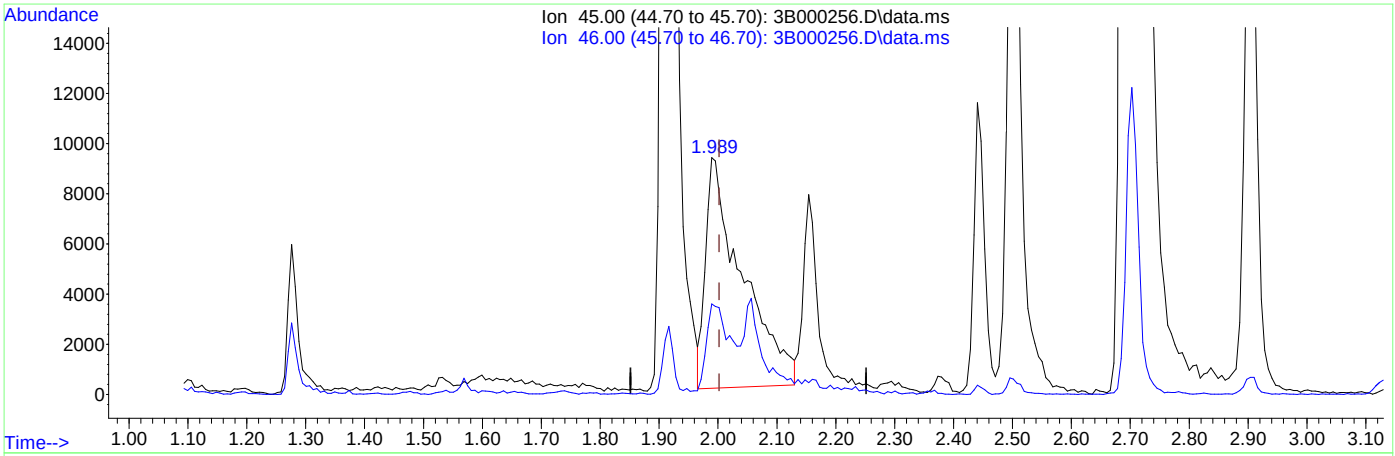
Sample Number: V3B13-ICV13
Lab FileID: 3B000256.D
Injection Time: 09/24/24 16:07
Method: SW846 8260D
Analyst approved: 09/25/24 07:00 Neil Christiana
Supervisor approved: 09/25/24 07:51 Karen Watson

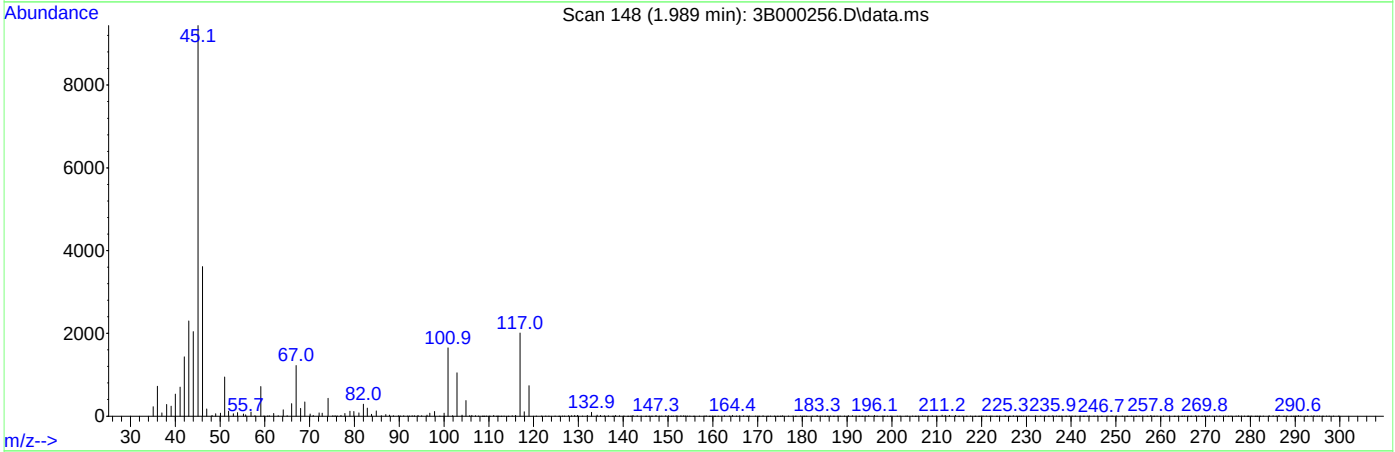
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		1.99	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000256.D
Acq On : 24 Sep 2024 04:07 pm
Operator : davidb2
Sample : ICV13-4 Inst : MSVOA22-3B
Misc : ms57558,V3B13,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 25 06:45:41 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Sep 25 06:45:21 2024
Response via : Initial Calibration





TIC: 3B000256.D\data.ms

(10) Ethanol

1.989min (-0.013) 712.20ug/L

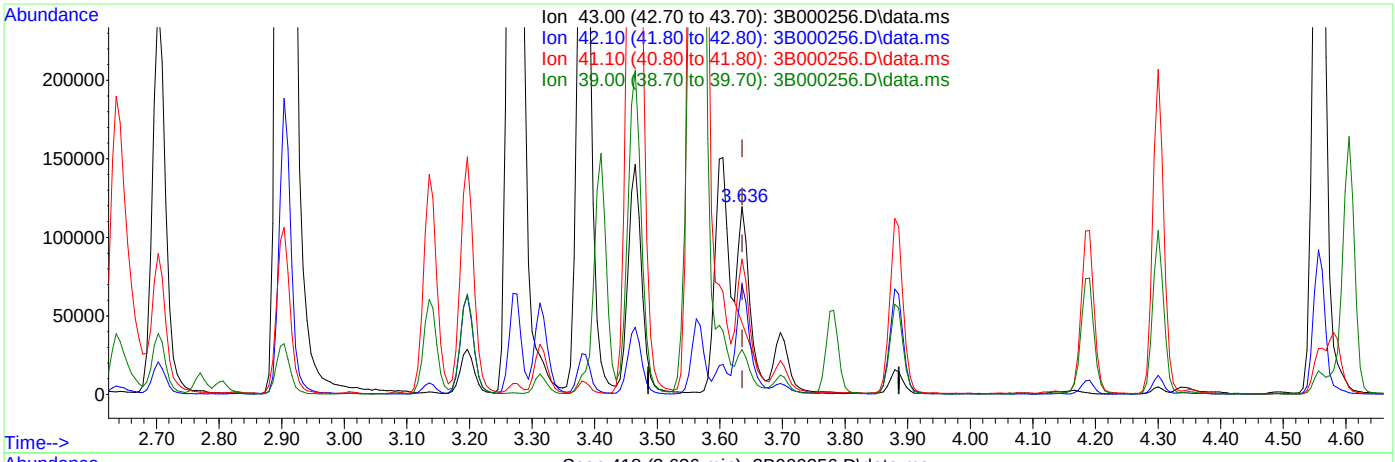
response 39865

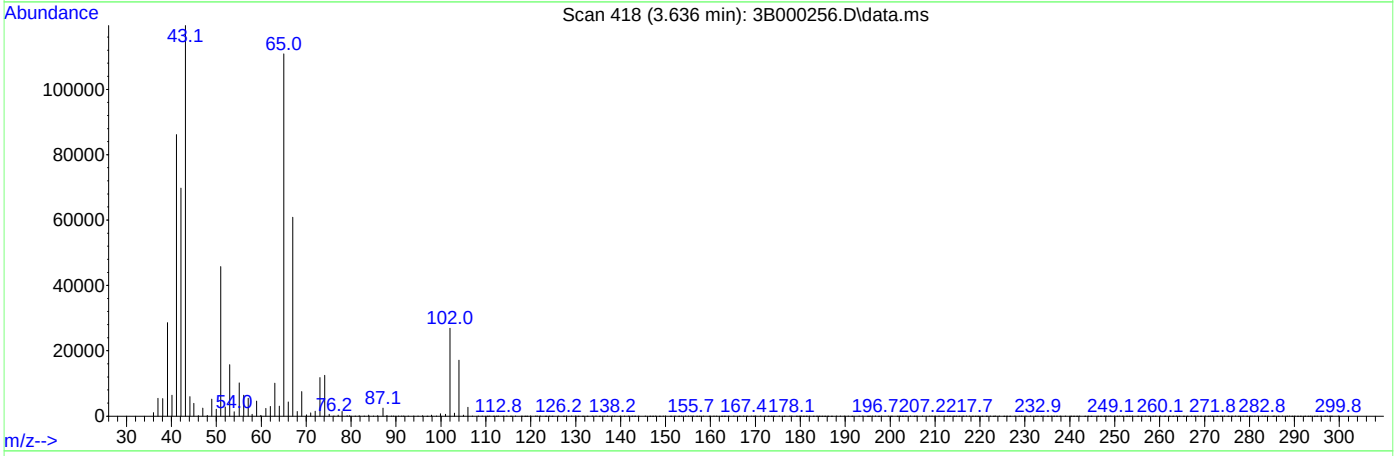
Ion	Exp%	Act%
45.00	100	100
46.00	38.00	42.83
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000256.D
Acq On : 24 Sep 2024 04:07 pm
Operator : davidb2
Sample : ICV13-4 Inst : MSVOA22-3B
Misc : ms57558,V3B13,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 25 06:45:41 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Sep 25 06:45:21 2024
Response via : Initial Calibration





TIC: 3B000256.D\data.ms

(51) Isobutyl Alcohol

3.636min (-0.000) 218.16ug/L

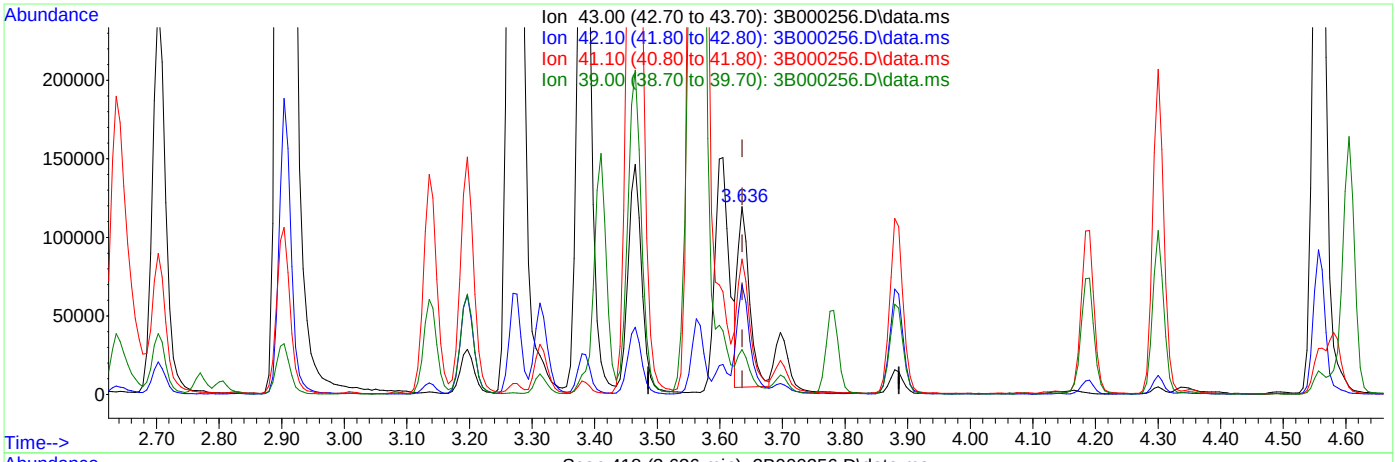
response 68159

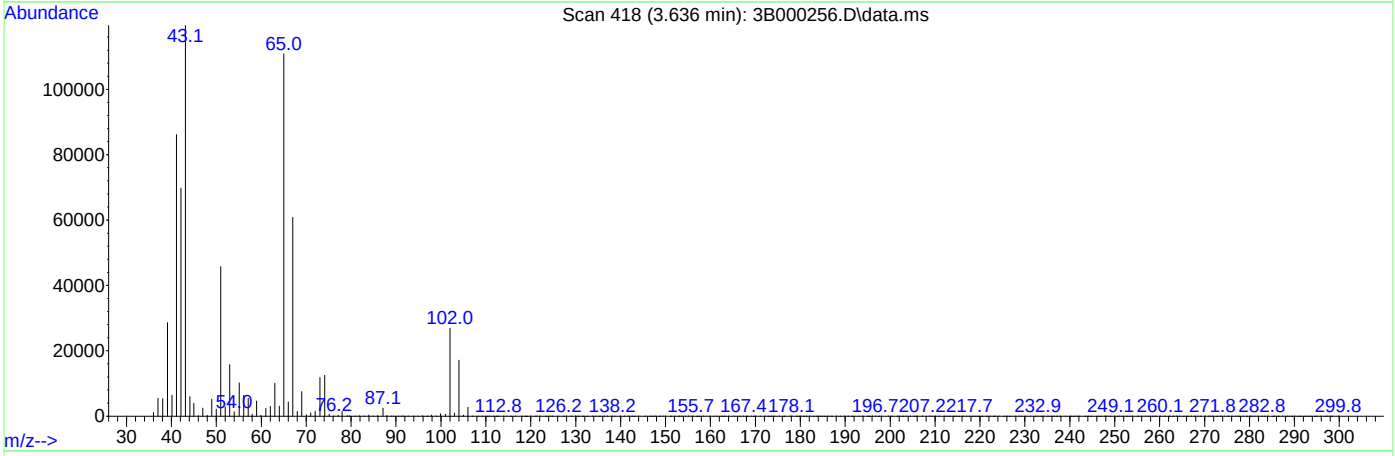
Ion	Exp%	Act%
43.00	100	100
42.10	58.30	57.94
41.10	72.80	69.81
39.00	24.70	22.39

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000256.D
Acq On : 24 Sep 2024 04:07 pm
Operator : davidb2
Sample : ICV13-4 Inst : MSVOA22-3B
Misc : ms57558,V3B13,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 25 06:45:41 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Sep 25 06:45:21 2024
Response via : Initial Calibration





TIC: 3B000256.D\data.ms

(51) Isobutyl Alcohol

3.636min (-0.000) 462.97ug/L m

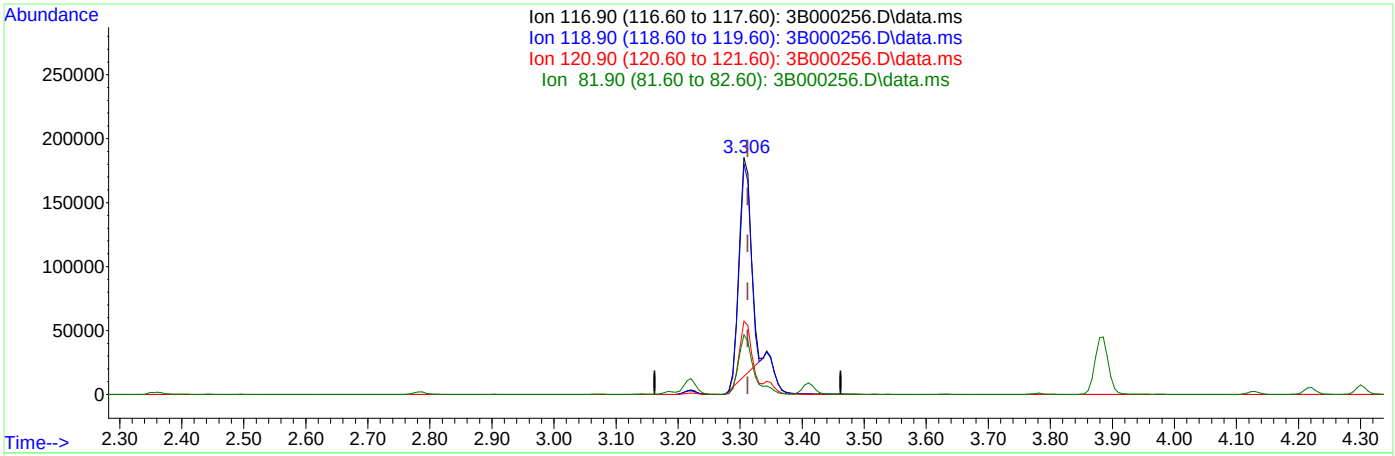
response 148363

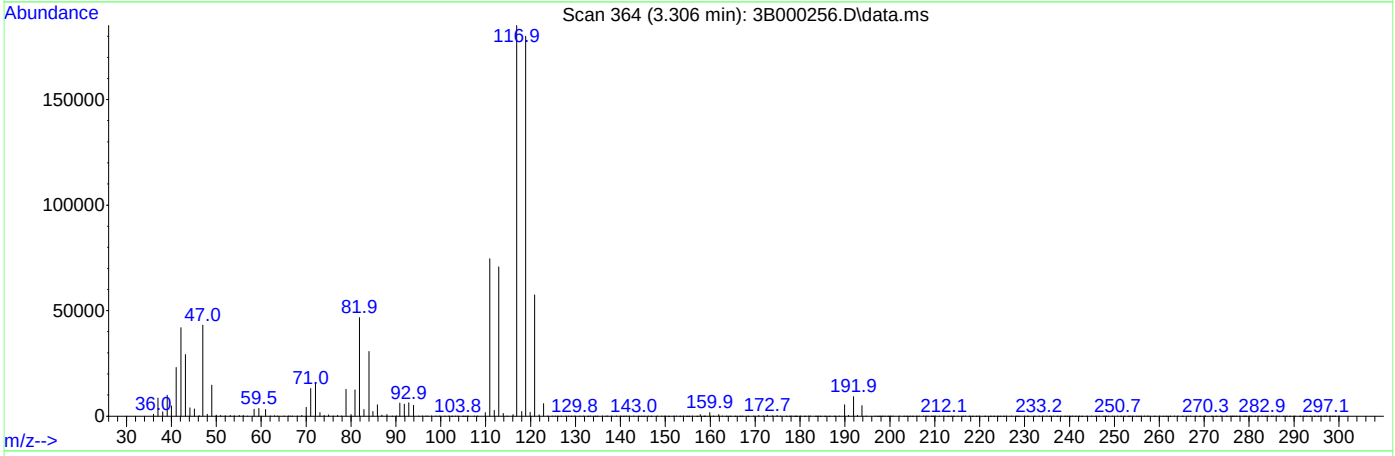
Ion	Exp%	Act%
43.00	100	100
42.10	58.30	58.35
41.10	72.80	72.08
39.00	24.70	23.93

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000256.D
Acq On : 24 Sep 2024 04:07 pm
Operator : davidb2
Sample : ICV13-4 Inst : MSVOA22-3B
Misc : ms57558,V3B13,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 25 06:45:41 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Sep 25 06:45:21 2024
Response via : Initial Calibration





TIC: 3B000256.D\data.ms

(40) Carbon Tetrachloride ( )

3.306min (-0.006) 21.71ug/L

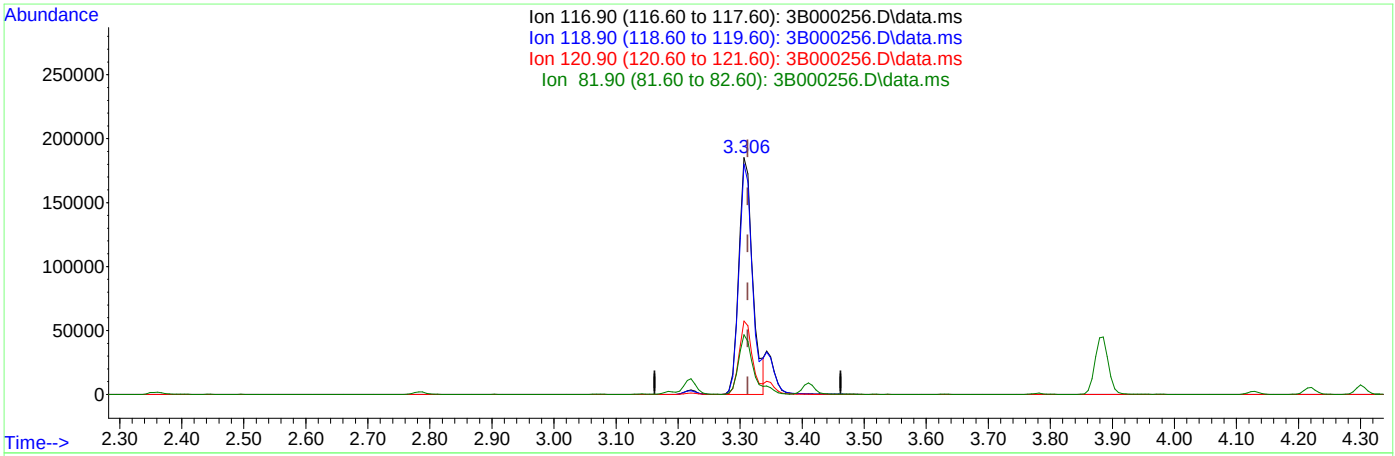
response 233402

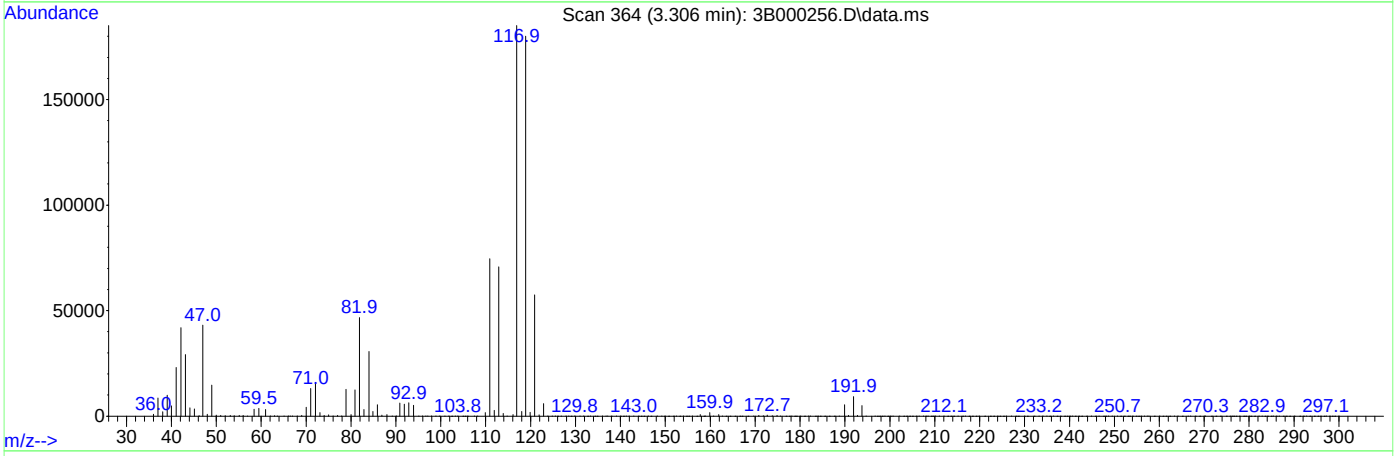
Ion	Exp%	Act%
116.90	100	100
118.90	97.60	97.46
120.90	30.80	31.11
81.90	24.50	25.02

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000256.D
Acq On : 24 Sep 2024 04:07 pm
Operator : davidb2
Sample : ICV13-4 Inst : MSVOA22-3B
Misc : ms57558,V3B13,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 25 06:45:41 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Sep 25 06:45:21 2024
Response via : Initial Calibration





TIC: 3B000256.D\data.ms

(40) Carbon Tetrachloride ( )

3.306min (-0.006) 26.48ug/L m

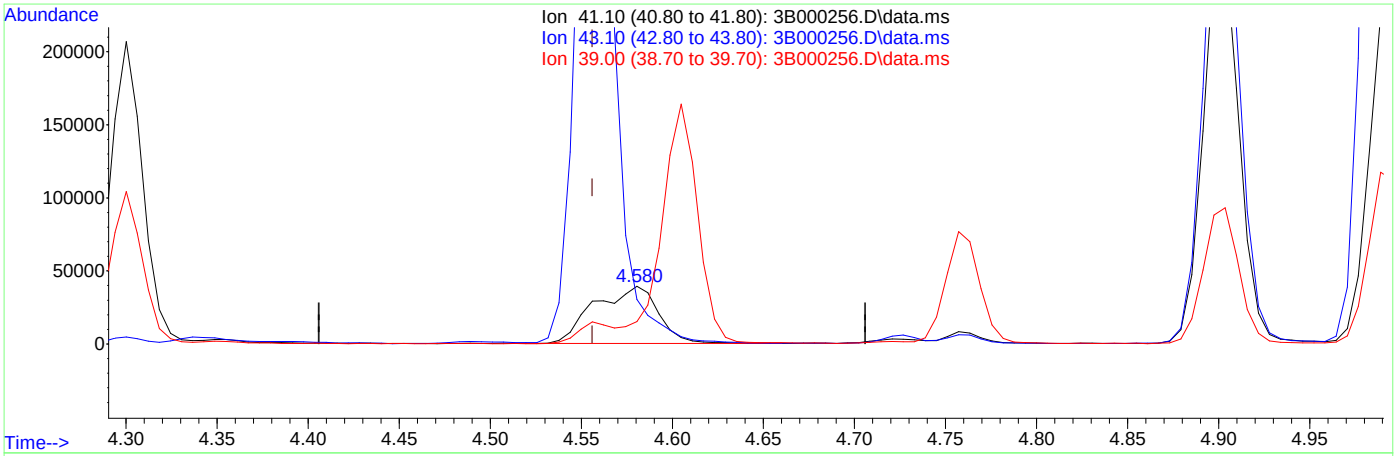
response 284710

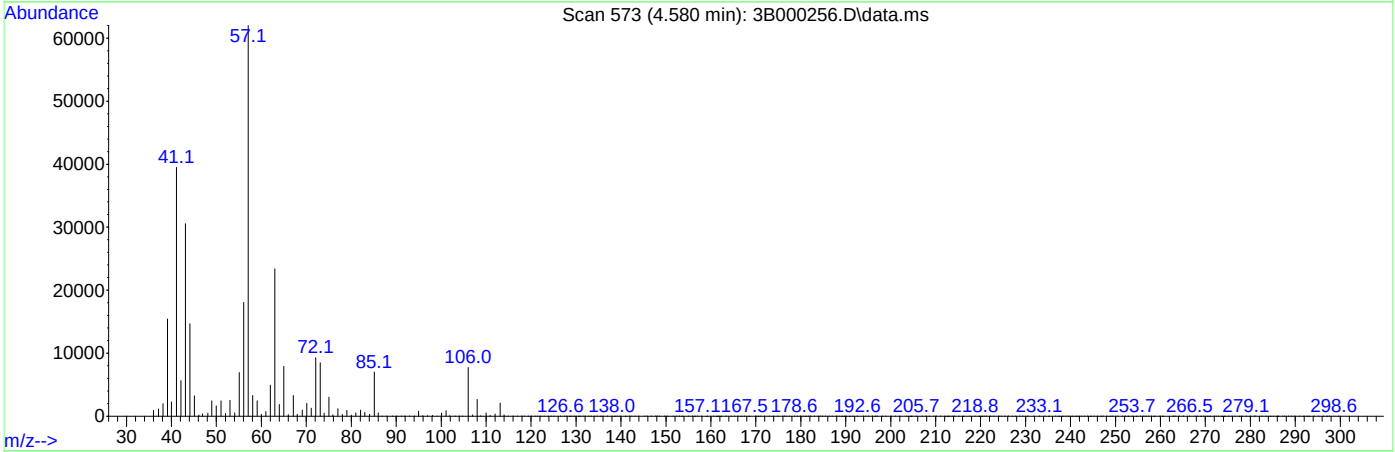
Ion	Exp%	Act%
116.90	100	100
118.90	97.60	97.27
120.90	30.80	31.00
81.90	24.50	25.24

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000256.D
Acq On : 24 Sep 2024 04:07 pm
Operator : davidb2
Sample : ICV13-4 Inst : MSVOA22-3B
Misc : ms57558,V3B13,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 25 06:45:41 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Sep 25 06:45:21 2024
Response via : Initial Calibration





TIC: 3B000256.D\data.ms

(65) 2-Nitropropane

4.580min (+0.024) 339.18ug/L

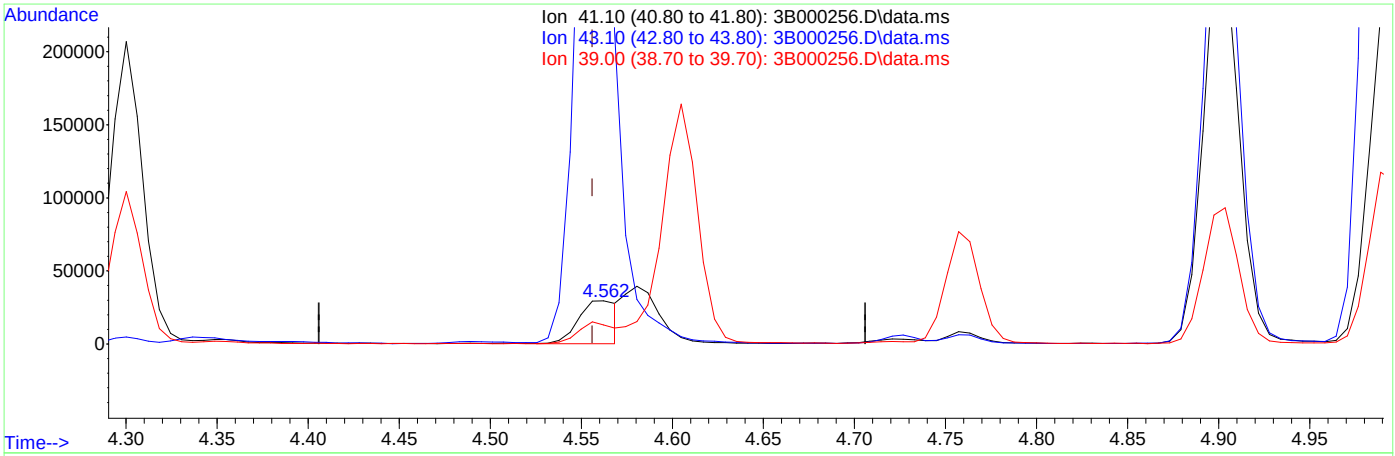
response 95442

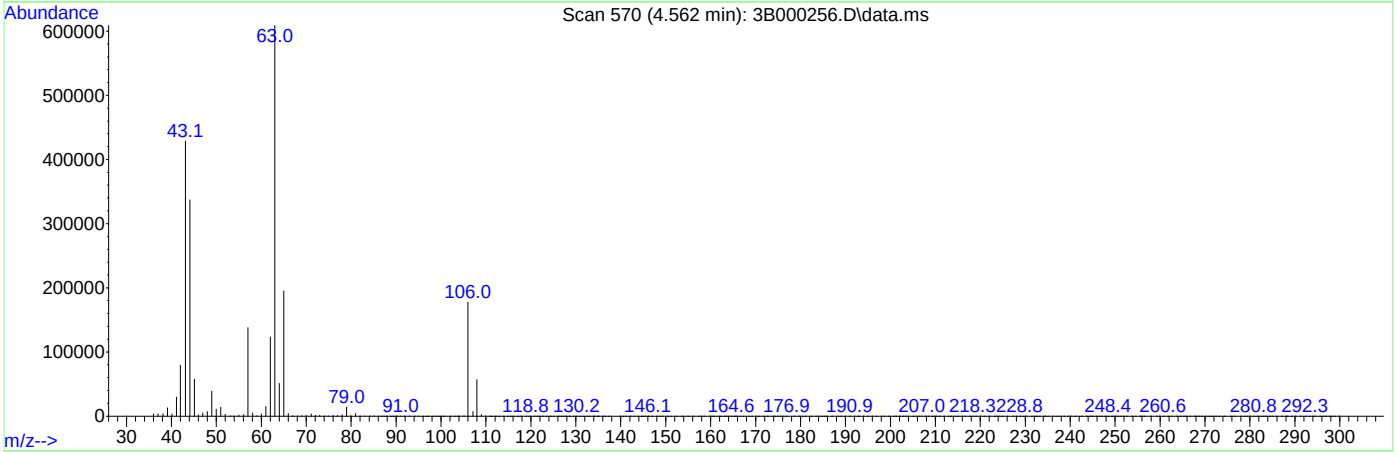
Ion	Exp%	Act%
41.10	100	100
43.10	1757.60	76.67#
39.00	46.40	38.68
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000256.D
Acq On : 24 Sep 2024 04:07 pm
Operator : davidb2
Sample : ICV13-4 Inst : MSVOA22-3B
Misc : ms57558,V3B13,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 25 06:45:41 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Sep 25 06:45:21 2024
Response via : Initial Calibration





TIC: 3B000256.D\data.ms

(65) 2-Nitropropane

4.562min (+0.006) 145.37ug/L m

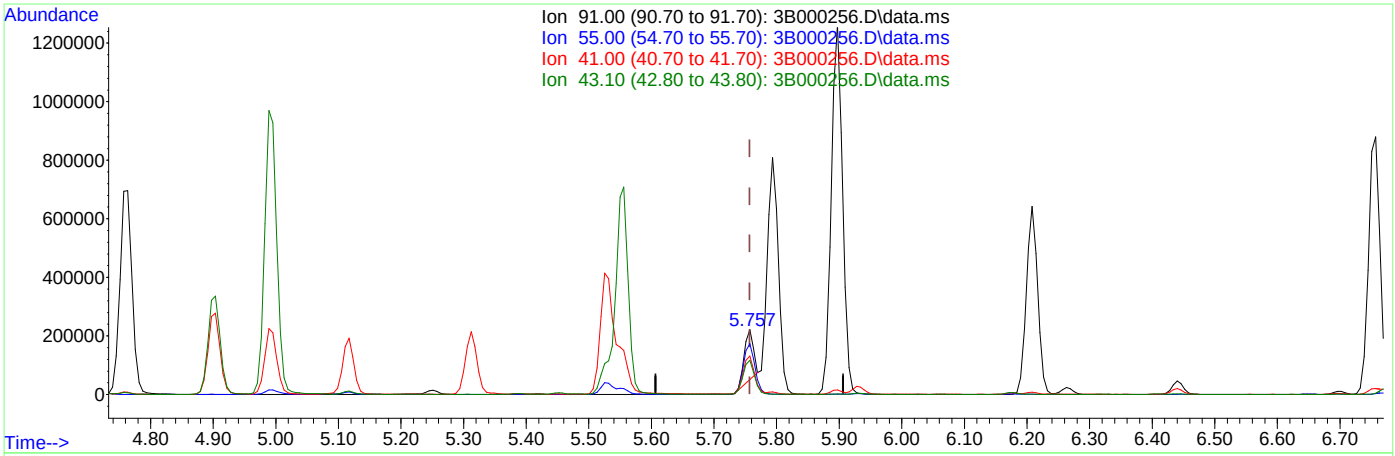
response 42505

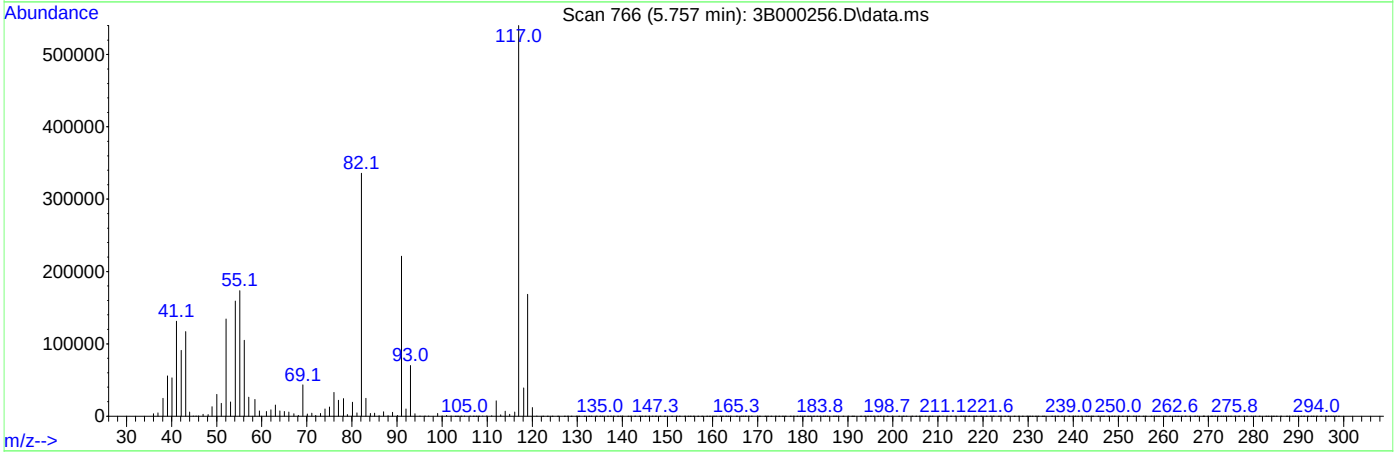
Ion	Exp%	Act%
41.10	100	100
43.10	1757.60	1455.12#
39.00	46.40	44.23
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000256.D
Acq On : 24 Sep 2024 04:07 pm
Operator : davidb2
Sample : ICV13-4 Inst : MSVOA22-3B
Misc : ms57558,V3B13,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 25 06:45:41 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Sep 25 06:45:21 2024
Response via : Initial Calibration





TIC: 3B000256.D\data.ms

(76) 1-Chlorohexane

5.757min (+0.000) 14.80ug/L

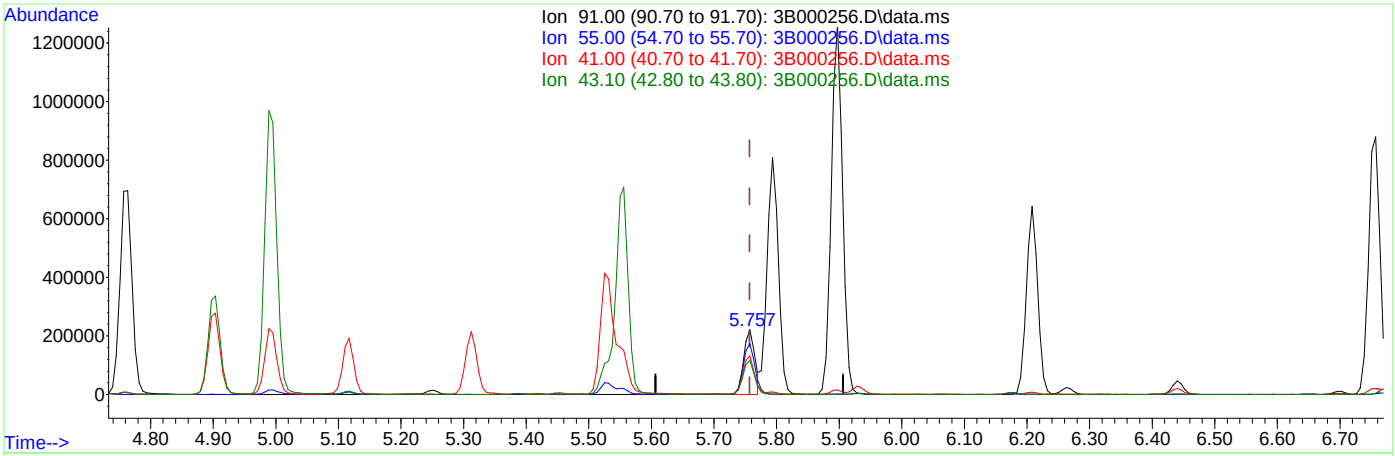
response 184680

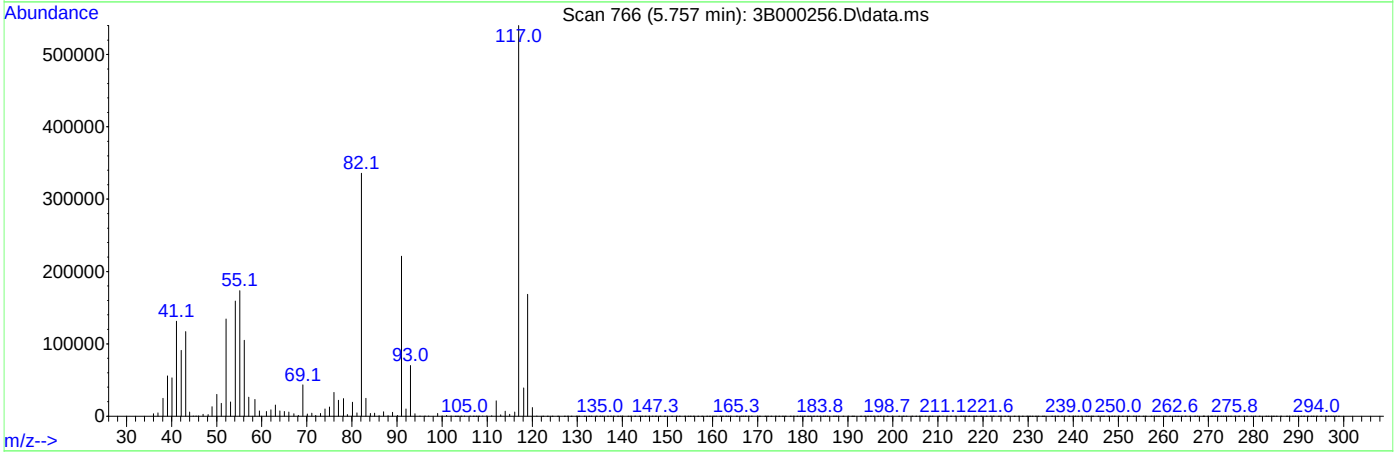
Ion	Exp%	Act%
91.00	100	100
55.00	79.50	77.84
41.00	60.40	58.11
43.10	52.20	52.06

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000256.D
Acq On : 24 Sep 2024 04:07 pm
Operator : davidb2
Sample : ICV13-4 Inst : MSVOA22-3B
Misc : ms57558,V3B13,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 25 06:45:41 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Sep 25 06:45:21 2024
Response via : Initial Calibration





TIC: 3B000256.D\data.ms

(76) 1-Chlorohexane

5.757min (+0.000) 21.61ug/L m

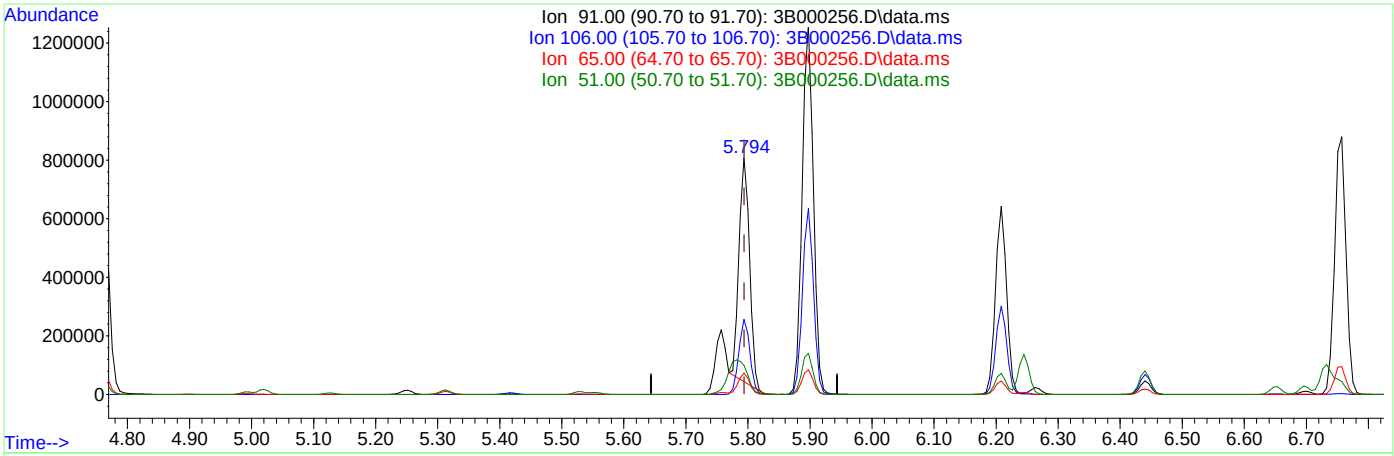
response 269572

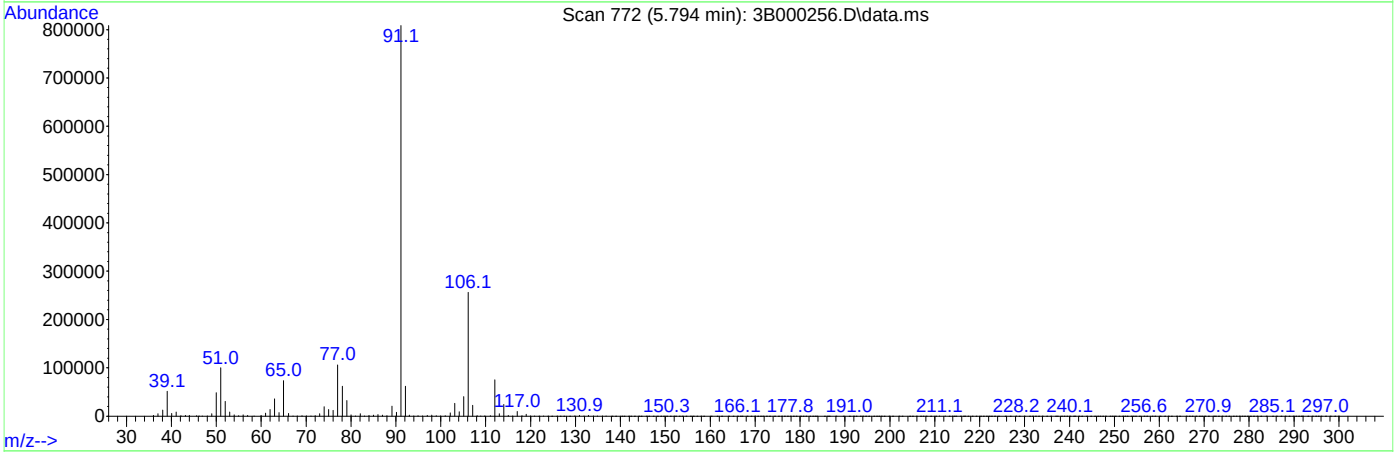
Ion	Exp%	Act%
91.00	100	100
55.00	79.50	78.42
41.00	60.40	59.36
43.10	52.20	52.78

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000256.D
Acq On : 24 Sep 2024 04:07 pm
Operator : davidb2
Sample : ICV13-4 Inst : MSVOA22-3B
Misc : ms57558,V3B13,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 25 06:45:41 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Sep 25 06:45:21 2024
Response via : Initial Calibration





TIC: 3B000256.D\data.ms

(77) Ethylbenzene

5.794min (-0.000) 21.97ug/L

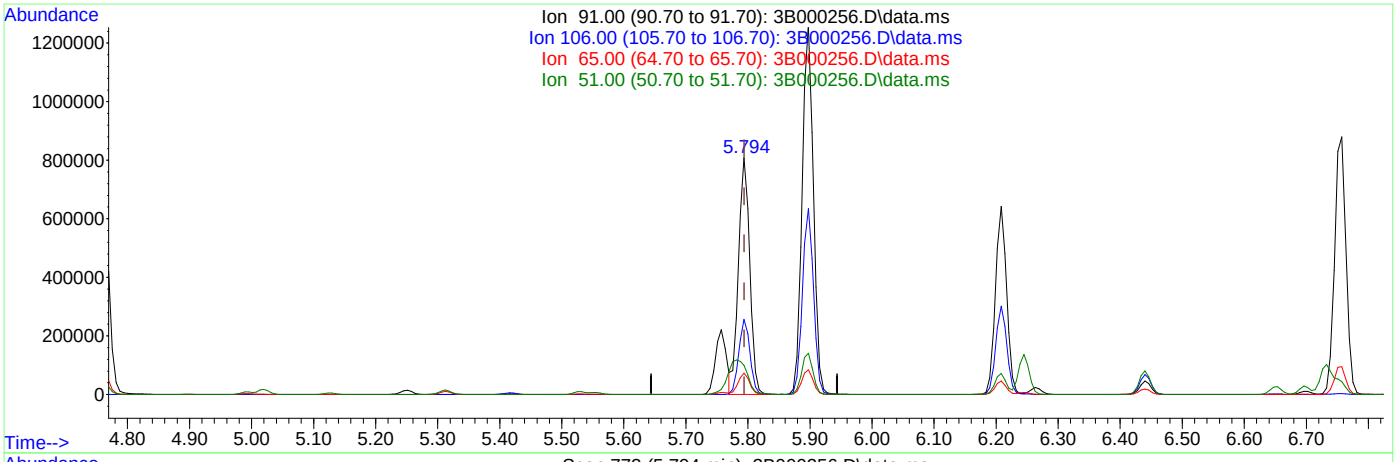
response 887755

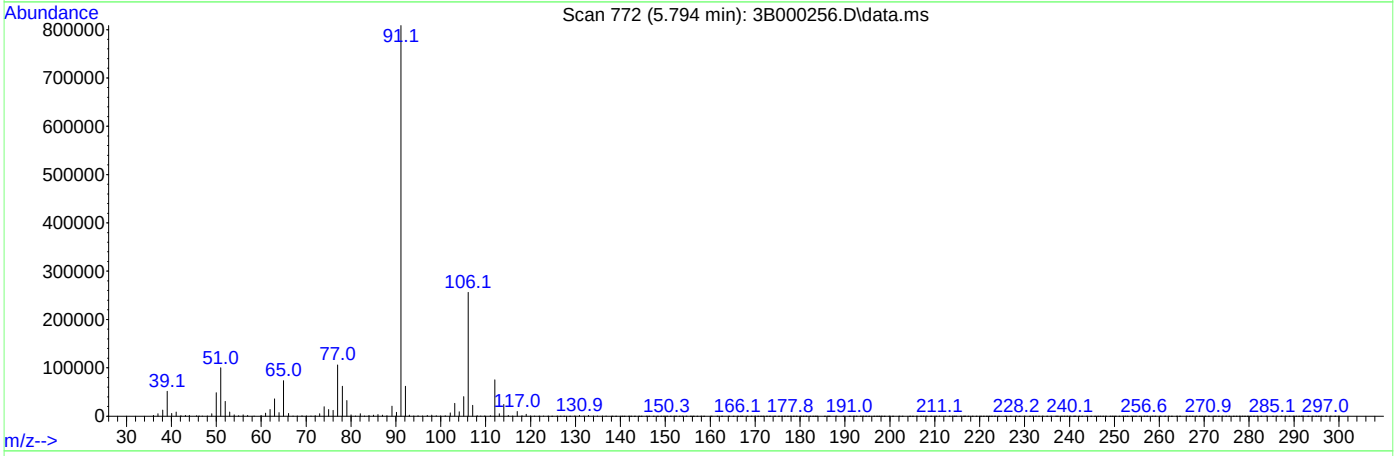
Ion	Exp%	Act%
91.00	100	100
106.00	31.60	31.74
65.00	9.30	8.98
51.00	12.70	12.00

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000256.D
Acq On : 24 Sep 2024 04:07 pm
Operator : davidb2
Sample : ICV13-4 Inst : MSVOA22-3B
Misc : ms57558,V3B13,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 25 06:45:41 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Sep 25 06:45:21 2024
Response via : Initial Calibration





TIC: 3B000256.D\data.ms

(77) Ethylbenzene

5.794min (-0.000) 25.24ug/L m

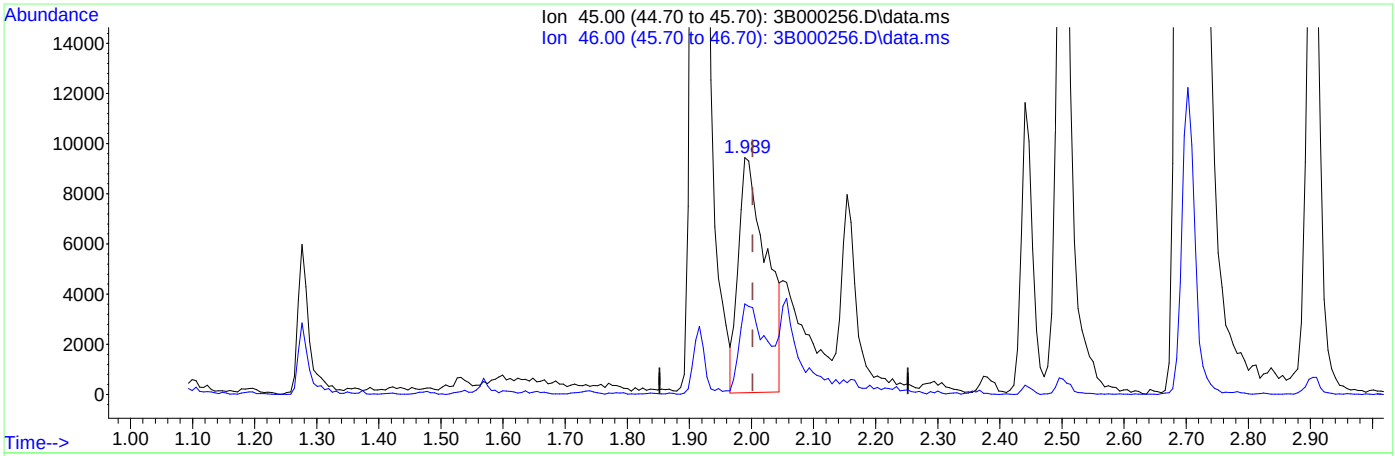
response 1019670

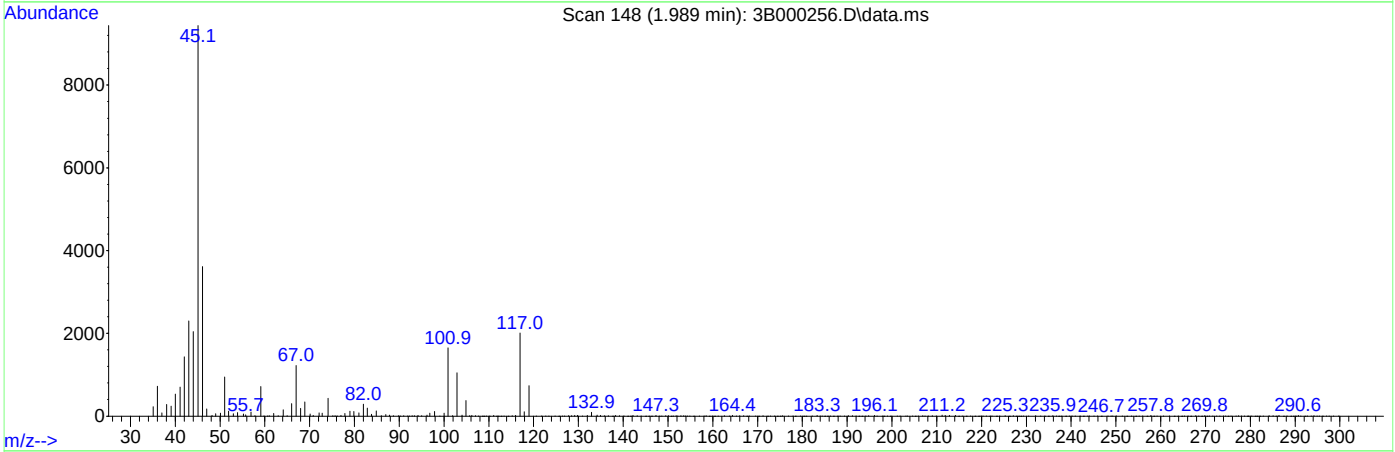
Ion	Exp%	Act%
91.00	100	100
106.00	31.60	31.70
65.00	9.30	9.06
51.00	12.70	12.36

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\092424\
Data File : 3B000256.D
Acq On : 24 Sep 2024 04:07 pm
Operator : davidb2
Sample : ICV13-4 Inst : MSVOA22-3B
Misc : ms57558,V3B13,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 25 06:45:41 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Sep 25 06:45:21 2024
Response via : Initial Calibration





TIC: 3B000256.D\data.ms

(10) Ethanol

1.989min (-0.013) 490.69ug/L m

response 29071

Ion	Exp%	Act%
45.00	100	100
46.00	38.00	38.29
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
10/09/24 07:23

Quantitation Report (QT Reviewed)

Data Path : C:\MassHunter\GCMS\1\data\100824\
Data File : 3B000506.D
Acq On : 08 Oct 2024 09:36 am
Operator : neilc1
Sample : cc13-5 Inst : MSVOA22-3B
Misc : ms57664,V3B23,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 08 10:28:25 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Sep 25 06:45:21 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.788	96	2180517	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.769	117	1355226	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.519	152	648925	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.324	113	479355	49.07	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.14%			
49) 1,2-Dichloroethane-d4	3.629	65	560747	46.74	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 93.48%			
63) Toluene-d8	4.733	98	2050483	50.52	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 101.04%			
86) 4-Bromofluorobenzene	6.653	174	514955	51.48	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.96%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	447648	32.74	ug/L	99
3) Chloromethane	1.337	50	503926	37.91	ug/L	99
4) 1,3-butadiene	1.380	39	381629	34.44	ug/L	99
5) Vinyl Chloride	1.367	62	501816	39.38	ug/L	98
6) Bromomethane	1.575	94	101577	35.00	ug/L	96
7) Chloroethane	1.654	64	197237	45.53	ug/L	99
8) Trichlorofluoromethane	1.739	101	444742	42.12	ug/L	100
9) Ethyl Ether	1.922	59	418513	38.63	ug/L	97
10) Ethanol	1.995	45	59401m	874.56	ug/L	
11) 1,2-Dichlorotrifluoroe...	2.032	67	502539	38.42	ug/L	96
12) 1,1-Dichloroethene	2.038	61	659934	37.46	ug/L	100
13) Freon 113	2.062	101	386665	37.32	ug/L	99
14) Carbon Disulfide	2.062	76	1210481	39.32	ug/L	99
15) Iodomethane	2.129	142	301340	43.54	ug/L	96
16) Acrolein	2.227	56	398968	193.93	ug/L	97
17) Allyl chloride	2.306	41	746541	39.71	ug/L	95
18) Methylene Chloride	2.361	49	684826	42.64	ug/L	98
19) Acetone	2.386	43	635072	174.69	ug/L	97
20) Methyl acetate	2.453	43	2185739	199.37	ug/L	98
21) trans-1,2-Dichloroethene	2.453	61	653626	38.71	ug/L	99
22) Hexane	2.495	56	454389	38.52	ug/L	96
23) Methyl Tert Butyl Ether	2.507	73	1311046	37.81	ug/L	88
24) Acetonitrile	2.642	41	562671m	391.73	ug/L	
25) Tert Butyl Alcohol	2.544	59	514512	324.22	ug/L	99
26) Di-isopropyl ether	2.709	45	1733616	40.80	ug/L	99
27) Chloroprene	2.812	53	1075694	37.11	ug/L	100
28) 1,1-Dichloroethane	2.788	63	814776	37.34	ug/L	100
29) Acrylonitrile	2.812	52	742099	188.79	ug/L	99
30) ETBE	2.910	59	1554456	39.25	ug/L	98
31) Vinyl acetate	2.910	43	5682641	204.71	ug/L	100
32) cis-1,2-Dichloroethene	3.081	96	455306	38.39	ug/L	99
33) 2,2-Dichloropropane	3.142	77	629046	37.08	ug/L	99
34) Bromochloromethane	3.190	128	199702	37.67	ug/L	94
35) Cyclohexane	3.202	56	875370	37.87	ug/L	98
36) Chloroform	3.227	83	742139	36.45	ug/L	98
37) Ethyl acetate	2.910	43	5707706	204.66	ug/L	100
38) Tetrahydrofuran	3.318	42	175375	36.80	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\MassHunter\GCMS\1\data\100824\
Data File : 3B000506.D
Acq On : 08 Oct 2024 09:36 am
Operator : neilc1
Sample : cc13-5 Inst : MSVOA22-3B
Misc : ms57664,V3B23,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 08 10:28:25 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Sep 25 06:45:21 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
40) Carbon Tetrachloride	3.312	117	511262m	37.52	ug/L		
41) 1,1,1-Trichloroethane	3.349	97	621901	36.57	ug/L		99
42) 2-Butanone	3.385	43	1278629	194.72	ug/L		100
43) 1,1-Dichloropropene	3.416	75	550759	38.35	ug/L		94
44) tert-Butyl formate	3.471	59	2222700	208.19	ug/L		98
45) Propionitrile	3.556	54	740048	373.16	ug/L		96
46) Methacrylonitrile	3.568	41	3353114	381.54	ug/L		99
47) Benzene	3.556	78	1744859	37.83	ug/L		91
48) TAME	3.605	73	1323346	40.09	ug/L		99
50) 1,2-Dichloroethane	3.666	62	545353	34.44	ug/L		98
51) Isobutyl Alcohol	3.641	43	316851m	757.13	ug/L		
52) Tert Amyl Alcohol	3.702	59	322418	351.67	ug/L		98
53) Trichloroethene	3.885	95	445904	38.69	ug/L		95
54) Methylcyclohexane	3.885	83	764624	38.91	ug/L		99
55) Dibromomethane	4.129	93	247016	36.54	ug/L		99
56) 1,2-Dichloropropane	4.190	63	477261	37.59	ug/L		97
57) Bromodichloromethane	4.221	83	537481	37.57	ug/L		99
58) Methyl methacrylate	4.306	41	468209	40.74	ug/L		95
59) 1,4-Dioxane	4.343	88	59256	678.12	ug/L		97
60) 2-Chloroethyl vinyl ether	4.562	63	1629060	192.63	ug/L		99
61) cis-1,3-Dichloropropene	4.611	75	727159	39.07	ug/L		95
64) Toluene	4.763	91	1824763	39.27	ug/L		99
65) 2-Nitropropane	4.562	41	66308	182.00	ug/L	#	77
66) 4-Methyl-2-pentanone	4.995	43	2552866	189.96	ug/L		99
67) trans-1,3-Dichloropropene	4.611	75	727159	39.31	ug/L		95
68) Tetrachloroethene	5.019	166	436970	37.26	ug/L		96
69) Ethyl methacrylate	5.117	69	537850	41.38	ug/L		96
70) 1,1,2-Trichloroethane	5.129	83	323182	37.92	ug/L		98
71) Dibromochloromethane	5.251	129	381258	40.70	ug/L		100
72) 1,3-Dichloropropane	5.318	76	690442	37.43	ug/L		95
73) 1,2-Dibromoethane	5.422	107	399255	38.83	ug/L		99
74) 3,3-Dimethyl-1-Butanol	5.531	57	2090339	1768.23	ug/L		99
75) 2-hexanone	5.556	43	2027114	182.85	ug/L		99
76) 1-Chlorohexane	5.757	91	586307m	37.45	ug/L		
77) Ethylbenzene	5.800	91	1918496m	37.84	ug/L		
78) Chlorobenzene	5.781	112	1067883	38.04	ug/L		99
79) 1,1,1,2-Tetrachloroethane	5.824	131	370585	40.44	ug/L		99
80) m,p-Xylene	5.897	91	2905756	74.70	ug/L		100
81) o-Xylene	6.208	91	1493258	37.78	ug/L		99
82) Styrene	6.251	104	1118833	37.04	ug/L		98
83) Bromoform	6.269	173	251205	40.23	ug/L		97
84) Isopropylbenzene	6.446	105	1769303	38.12	ug/L		98
87) cis-1,4-Dichloro-2-butene	6.702	53	181586	40.34	ug/L	#	82
88) n-Propylbenzene	6.757	91	2048843	38.48	ug/L		100
89) Bromobenzene	6.738	156	409486	38.96	ug/L		90
90) 1,1,2,2-Tetrachloroethane	6.805	83	495065	40.03	ug/L		98
91) 1,3,5-Trimethylbenzene	6.909	105	1435474	38.25	ug/L		99
92) 2-Chlorotoluene	6.879	91	1327334	37.27	ug/L		97
93) trans-1,4-Dichloro-2-B...	6.940	53	136109	38.00	ug/L		98
94) 1,2,3-Trichloropropane	6.909	110	151112	37.48	ug/L		96
95) Cyclohexanone	6.946	55	65829	181.91	ug/L		97
96) 4-Chlorotoluene	7.007	91	1280996	37.92	ug/L		97
97) tert-Butylbenzene	7.159	91	801114	37.94	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : C:\MassHunter\GCMS\1\data\100824\
Data File : 3B000506.D
Acq On : 08 Oct 2024 09:36 am
Operator : neilc1
Sample : cc13-5 Inst : MSVOA22-3B
Misc : ms57664,V3B23,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 08 10:28:25 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Sep 25 06:45:21 2024
Response via : Initial Calibration

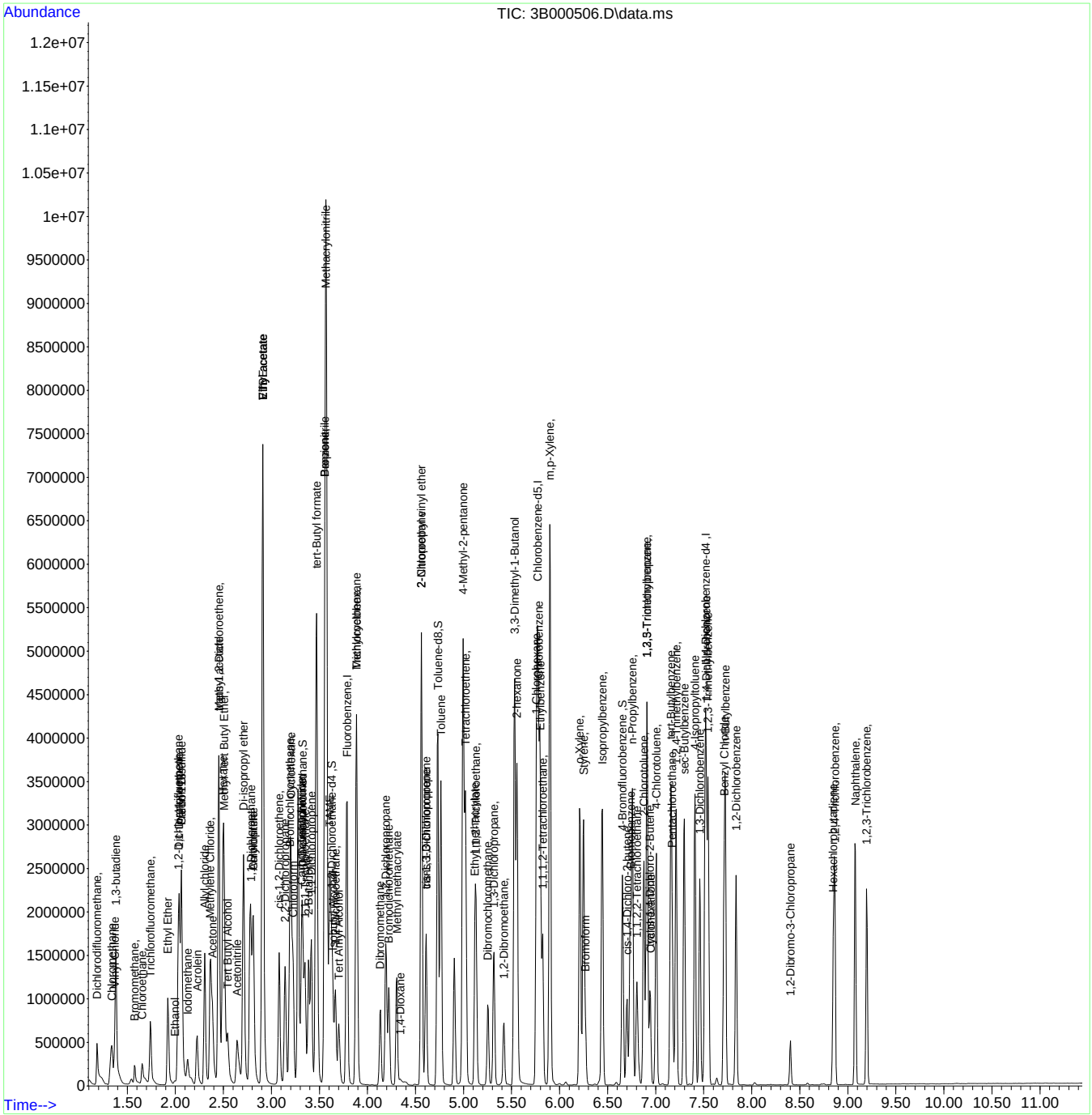
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
98)	1,2,4-Trimethylbenzene	7.214	105	1420599	38.15	ug/L		97
99)	Pentachloroethane	7.171	167	222759	50.21	ug/L	#	89
100)	sec-Butylbenzene	7.299	105	1757718	39.01	ug/L		98
101)	4-Isopropyltoluene	7.409	119	1495125	39.75	ug/L		98
102)	1,3-Dichlorobenzene	7.458	146	752132	38.17	ug/L		99
103)	1,2,3-Trimethylbenzene	7.543	105	1480739	38.82	ug/L		100
104)	1,4-Dichlorobenzene	7.525	146	752461	38.06	ug/L		99
105)	n-Butylbenzene	7.726	92	822638	39.95	ug/L		89
106)	Benzyl Chloride	7.714	126	204411	40.09	ug/L	#	66
107)	1,2-Dichlorobenzene	7.836	146	713894	37.90	ug/L		99
108)	1,2-Dibromo-3-Chloropr...	8.403	75	87610	37.44	ug/L		85
109)	Hexachlorobutadiene	8.848	225	199325	41.84	ug/L		99
110)	1,2,4-Trichlorobenzene	8.866	180	503500	40.45	ug/L		97
111)	Naphthalene	9.079	128	1492757	38.95	ug/L		100
112)	1,2,3-Trichlorobenzene	9.195	180	468253	38.64	ug/L		99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MassHunter\GCMS\1\data\100824\
Data File : 3B000506.D
Acq On : 08 Oct 2024 09:36 am
Operator : neilc1
Sample : cc13-5 Inst : MSVOA22-3B
Misc : ms57664,V3B23,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 08 10:28:25 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Sep 25 06:45:21 2024
Response via : Initial Calibration



Manual Integration Approval Summary

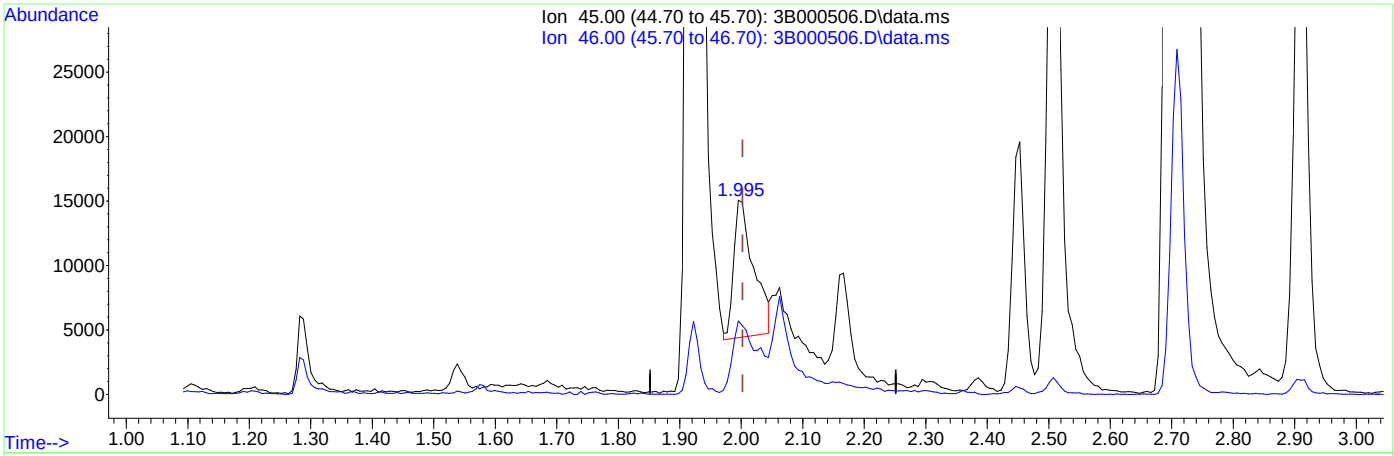
Sample Number: V3B23-CC13
Lab FileID: 3B000506.D
Injection Time: 10/08/24 09:36
Method: SW846 8260D
Analyst approved: 10/08/24 10:57 Neil Christiana
Supervisor approved: 10/09/24 07:23 Karen Watson

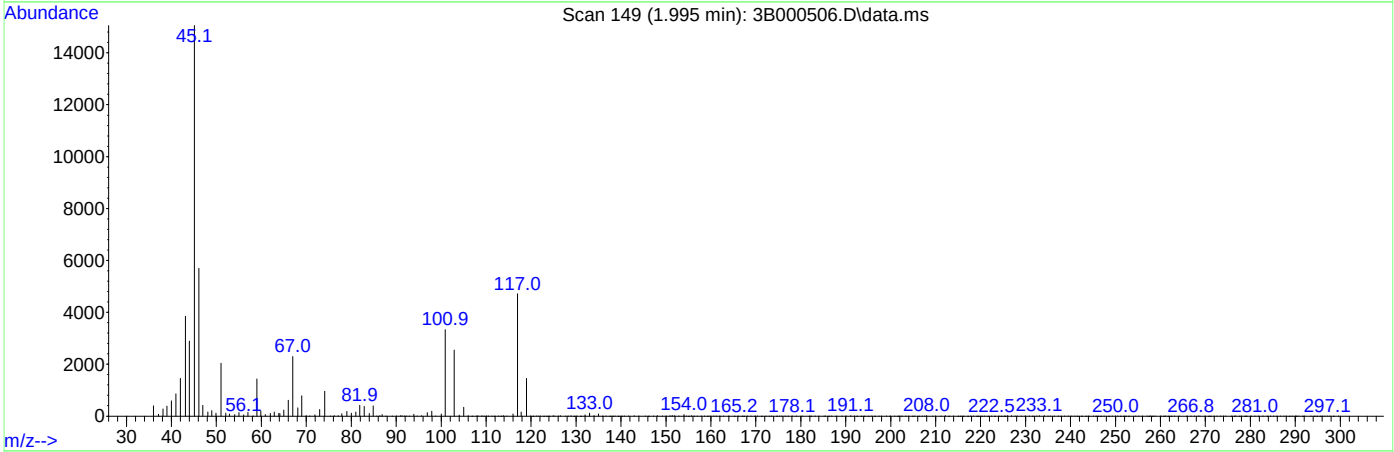
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		2.00	Poorly defined baseline
Acetonitrile	75-05-8		2.64	Poorly defined baseline
Carbon Tetrachloride	56-23-5		3.31	Overlapping peak
Isobutyl Alcohol	78-83-1		3.64	Poorly defined baseline
1-Chlorohexane	544-10-5		5.76	Poorly defined baseline
Ethylbenzene	100-41-4		5.80	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\100824\
Data File : 3B000506.D
Acq On : 08 Oct 2024 09:36 am
Operator : neilc1
Sample : cc13-5 Inst : MSVOA22-3B
Misc : ms57664,V3B23,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 08 10:28:25 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Sep 25 06:45:21 2024
Response via : Initial Calibration





TIC: 3B000506.D\data.ms

(10) Ethanol

1.995min (-0.007) 303.37ug/L

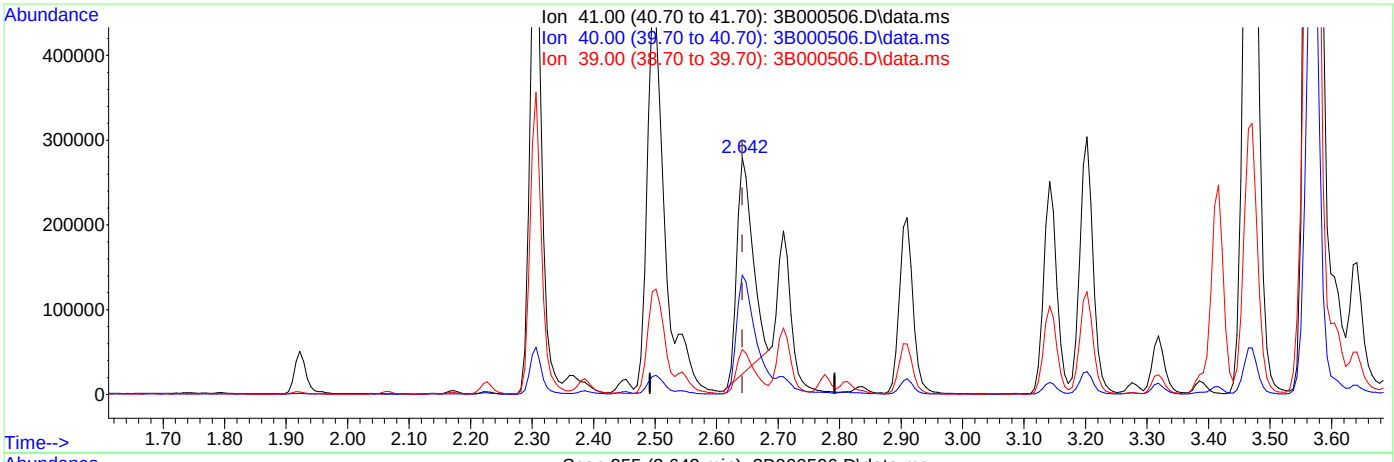
response 23848

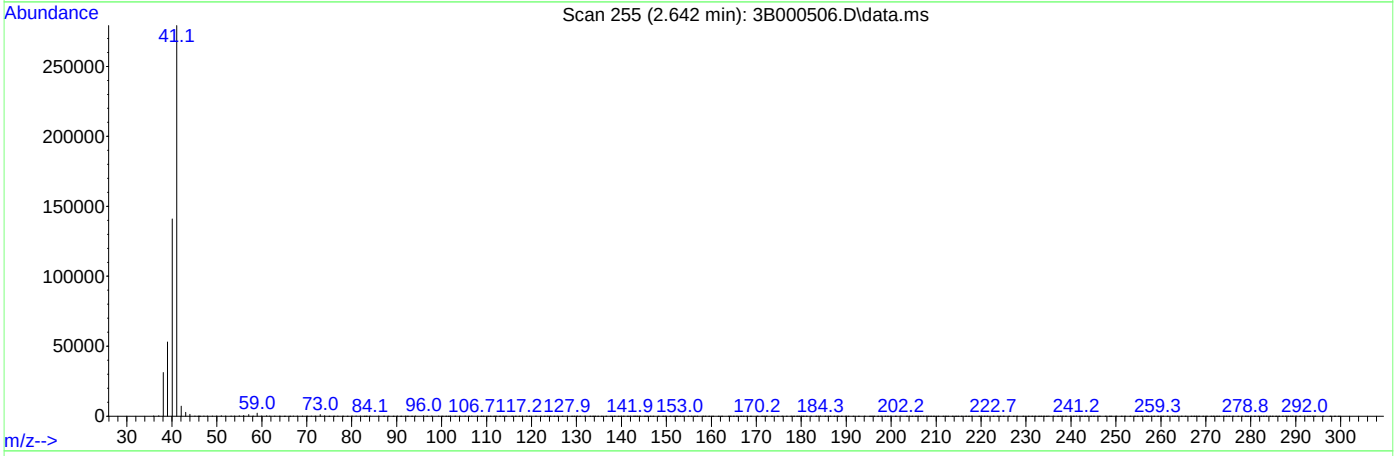
Ion	Exp%	Act%
45.00	100	100
46.00	38.00	51.92
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\100824\
Data File : 3B000506.D
Acq On : 08 Oct 2024 09:36 am
Operator : neilc1
Sample : cc13-5 Inst : MSVOA22-3B
Misc : ms57664,V3B23,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 08 10:28:25 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Sep 25 06:45:21 2024
Response via : Initial Calibration





TIC: 3B000506.D\data.ms

(24) Acetonitrile

2.642min (-0.000) 309.51ug/L

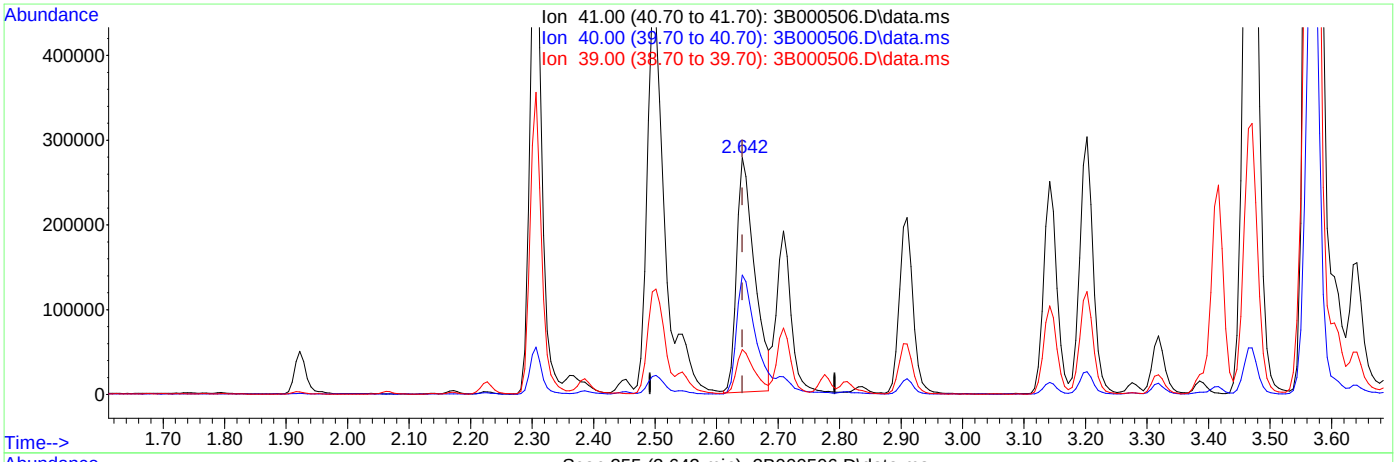
response 453646

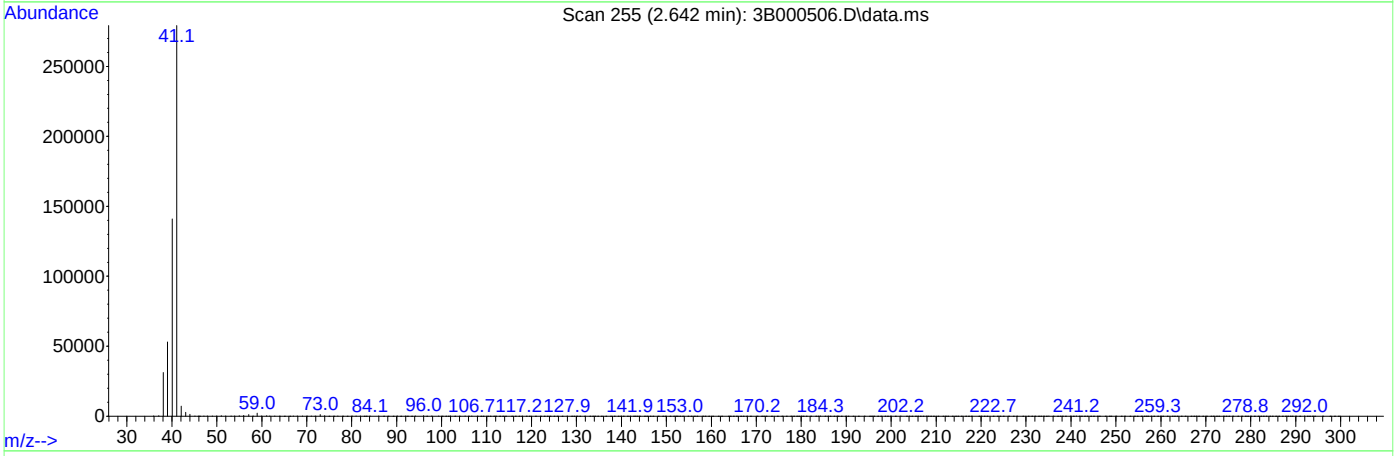
Ion	Exp%	Act%
41.00	100	100
40.00	52.90	50.85
39.00	19.60	18.74
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\100824\
Data File : 3B000506.D
Acq On : 08 Oct 2024 09:36 am
Operator : neilc1
Sample : cc13-5 Inst : MSVOA22-3B
Misc : ms57664,V3B23,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 08 10:28:25 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Sep 25 06:45:21 2024
Response via : Initial Calibration





TIC: 3B000506.D\data.ms

(24) Acetonitrile

2.642min (-0.000) 391.73ug/L m

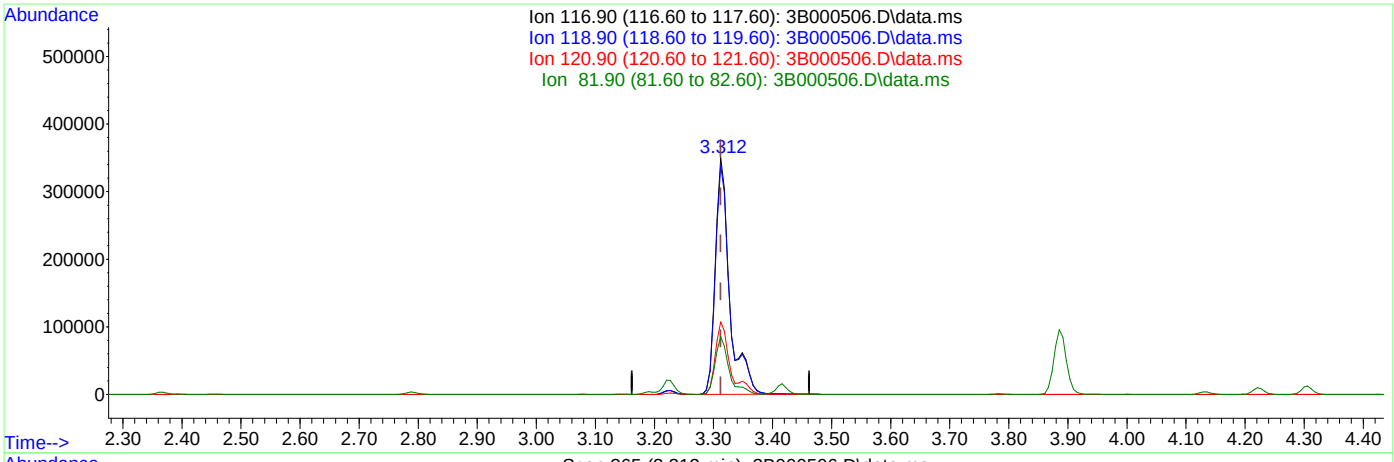
response 562671

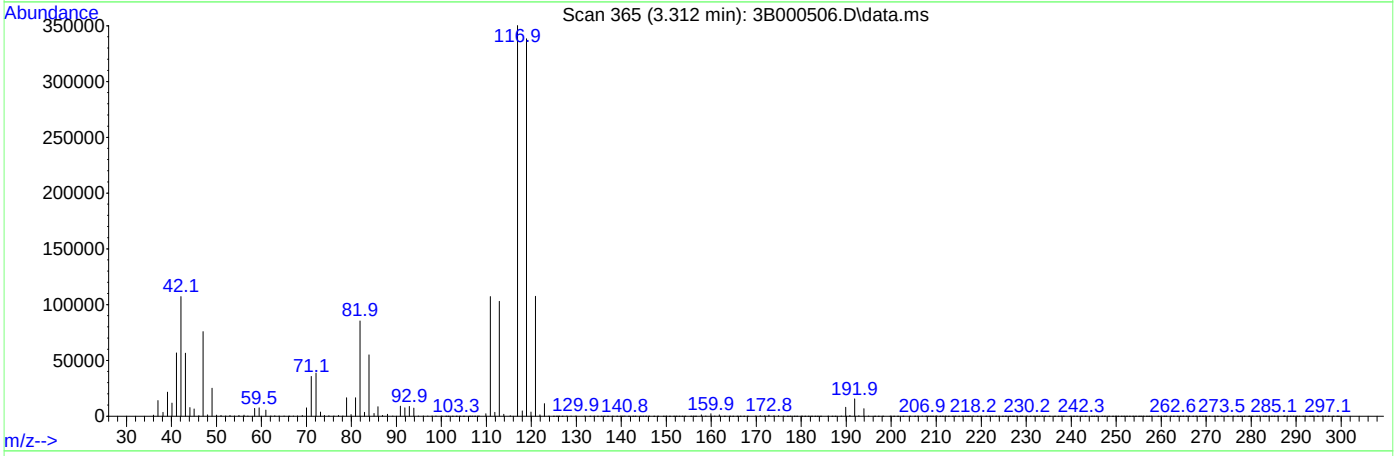
Ion	Exp%	Act%
41.00	100	100
40.00	52.90	50.44
39.00	19.60	18.97
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\100824\
Data File : 3B000506.D
Acq On : 08 Oct 2024 09:36 am
Operator : neilc1
Sample : cc13-5 Inst : MSVOA22-3B
Misc : ms57664,V3B23,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 08 10:28:25 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Sep 25 06:45:21 2024
Response via : Initial Calibration





TIC: 3B000506.D\data.ms

(40) Carbon Tetrachloride ( )

3.312min (+0.000) 43.45ug/L

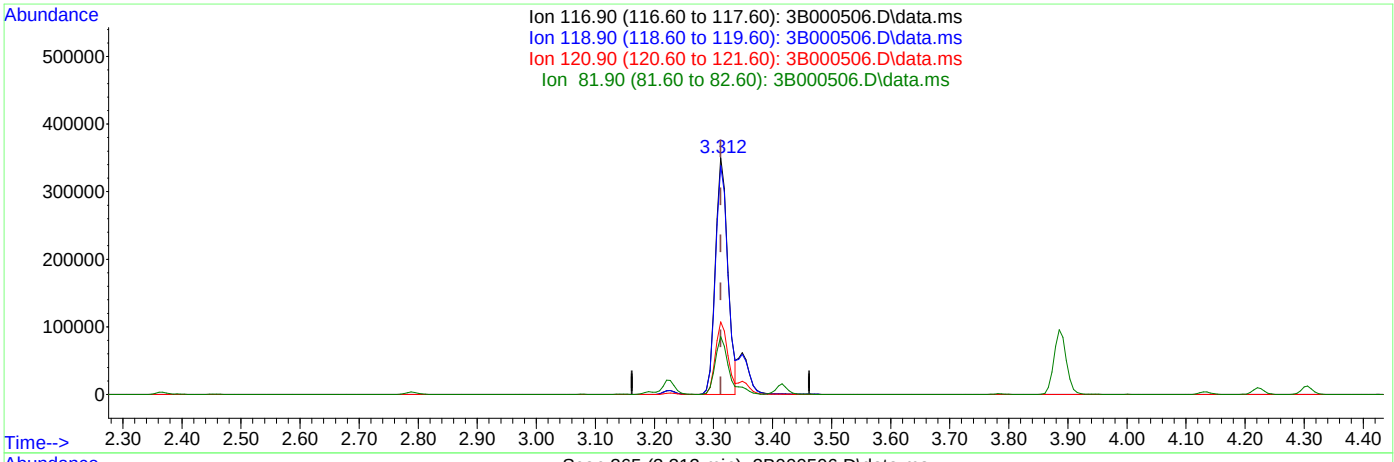
response 592104

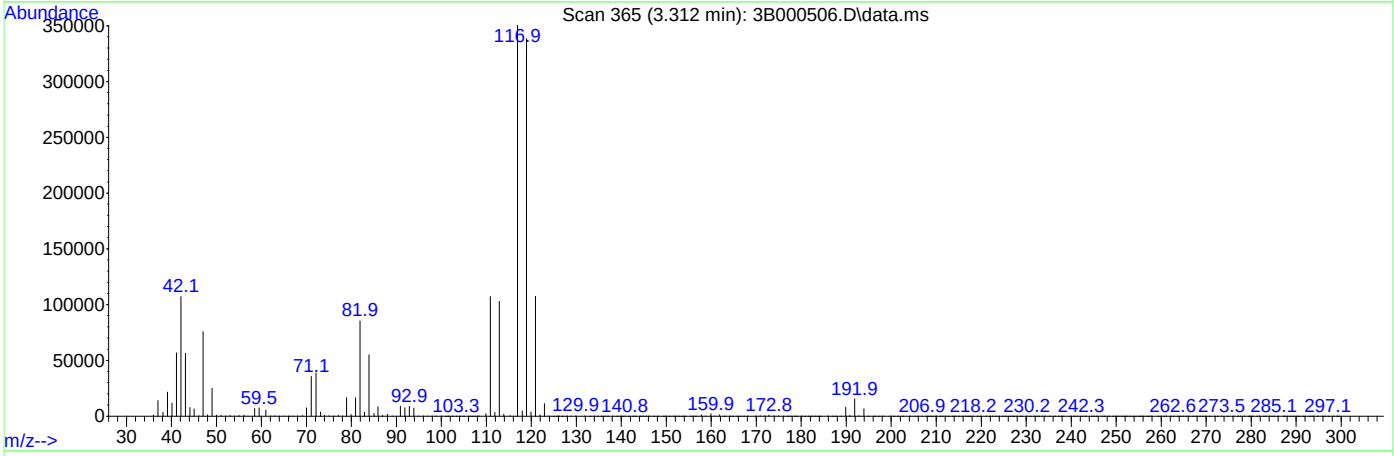
Ion	Exp%	Act%
116.90	100	100
118.90	97.60	96.59
120.90	30.80	30.65
81.90	24.50	24.34

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\100824\
Data File : 3B000506.D
Acq On : 08 Oct 2024 09:36 am
Operator : neilc1
Sample : cc13-5 Inst : MSVOA22-3B
Misc : ms57664,V3B23,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 08 10:28:25 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Sep 25 06:45:21 2024
Response via : Initial Calibration





TIC: 3B000506.D\data.ms

(40) Carbon Tetrachloride ( )

3.312min (+0.000) 37.52ug/L m

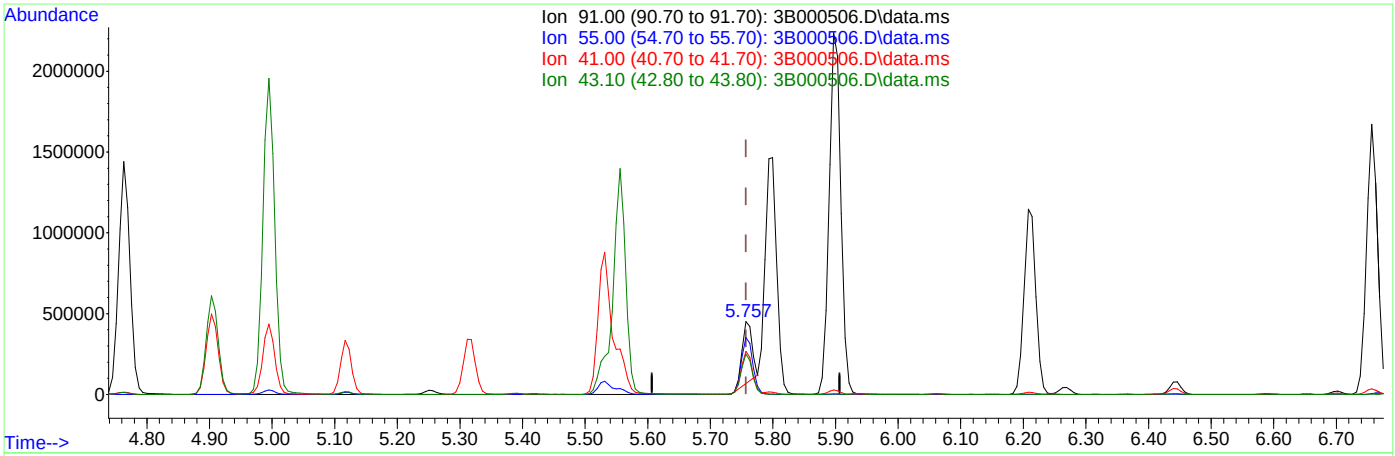
response 511262

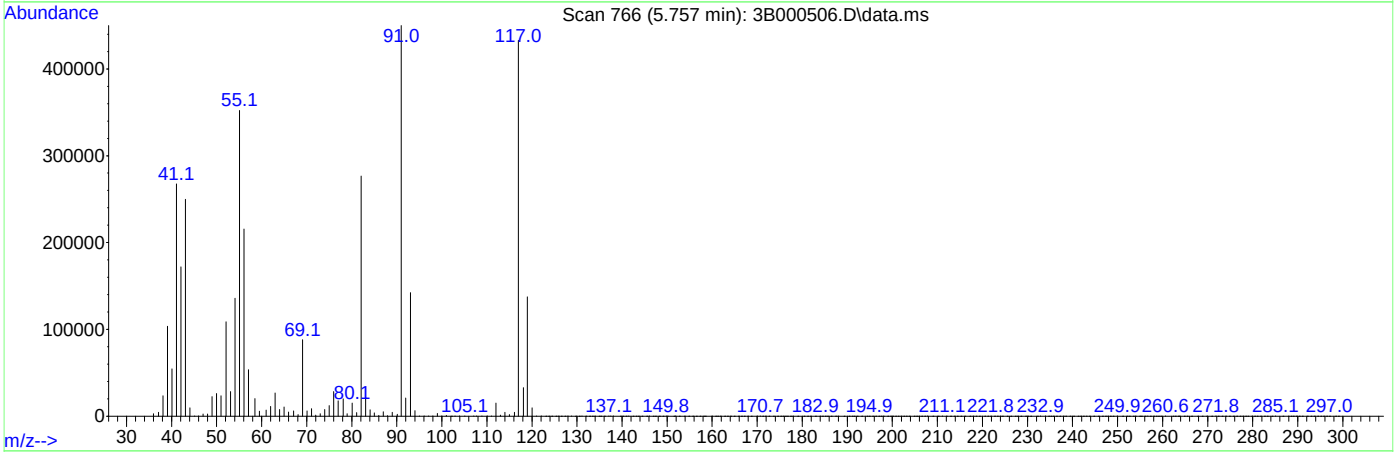
Ion	Exp%	Act%
116.90	100	100
118.90	97.60	96.60
120.90	30.80	30.66
81.90	24.50	24.39

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\100824\
Data File : 3B000506.D
Acq On : 08 Oct 2024 09:36 am
Operator : neilc1
Sample : cc13-5 Inst : MSVOA22-3B
Misc : ms57664,V3B23,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 08 10:28:25 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Sep 25 06:45:21 2024
Response via : Initial Calibration





TIC: 3B000506.D\data.ms

(76) 1-Chlorohexane

5.757min (-0.000) 27.83ug/L

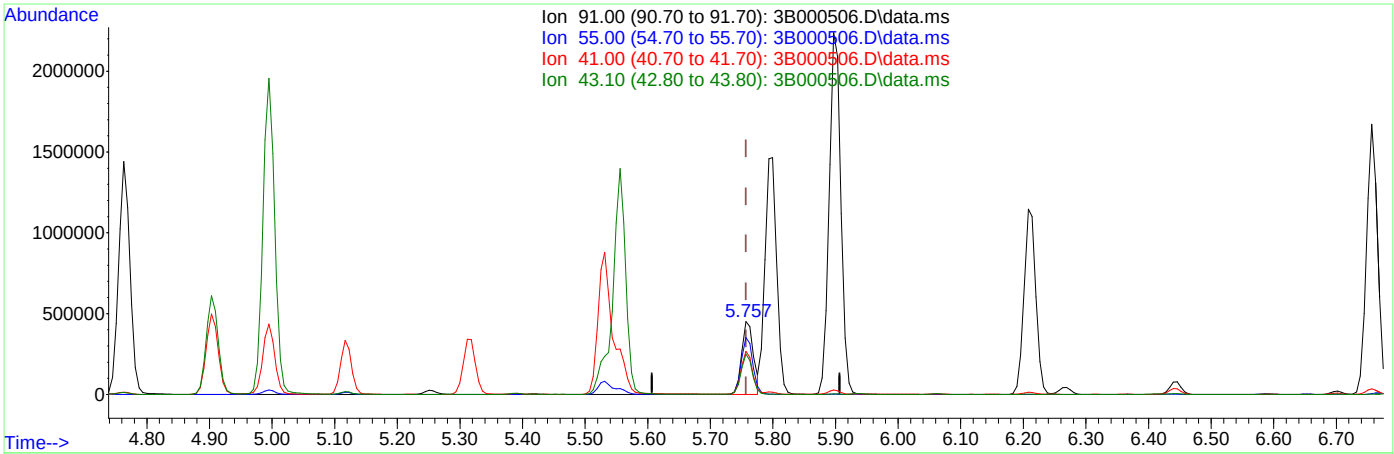
response 435795

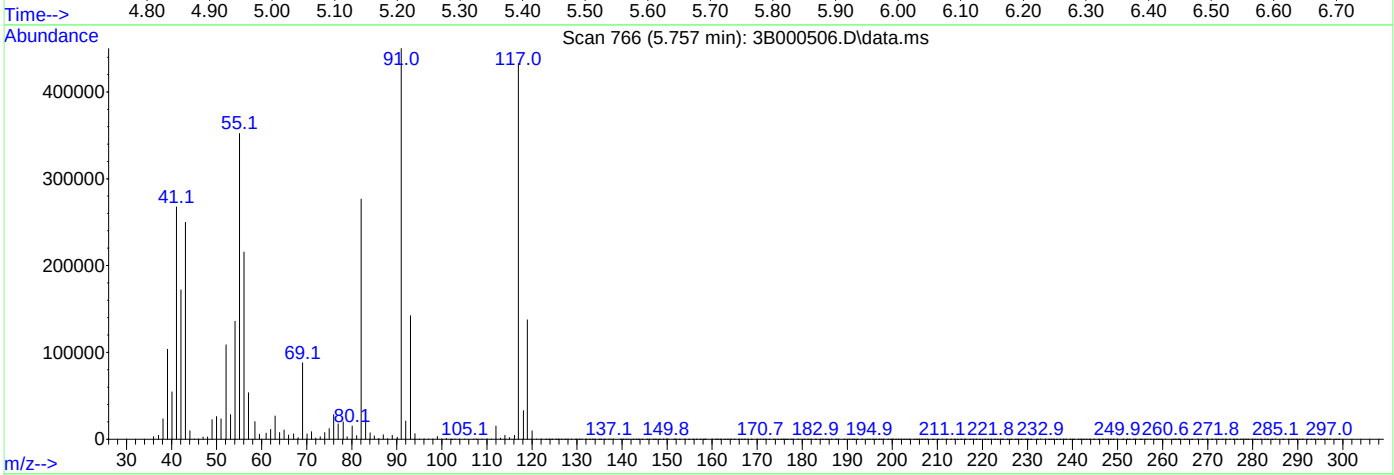
Ion	Exp%	Act%
91.00	100	100
55.00	79.50	77.45
41.00	60.40	57.84
43.10	52.20	54.44

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\100824\
Data File : 3B000506.D
Acq On : 08 Oct 2024 09:36 am
Operator : neilc1
Sample : cc13-5 Inst : MSVOA22-3B
Misc : ms57664,V3B23,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 08 10:28:25 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Sep 25 06:45:21 2024
Response via : Initial Calibration





TIC: 3B000506.D\data.ms

(76) 1-Chlorohexane

5.757min (-0.000) 37.45ug/L m

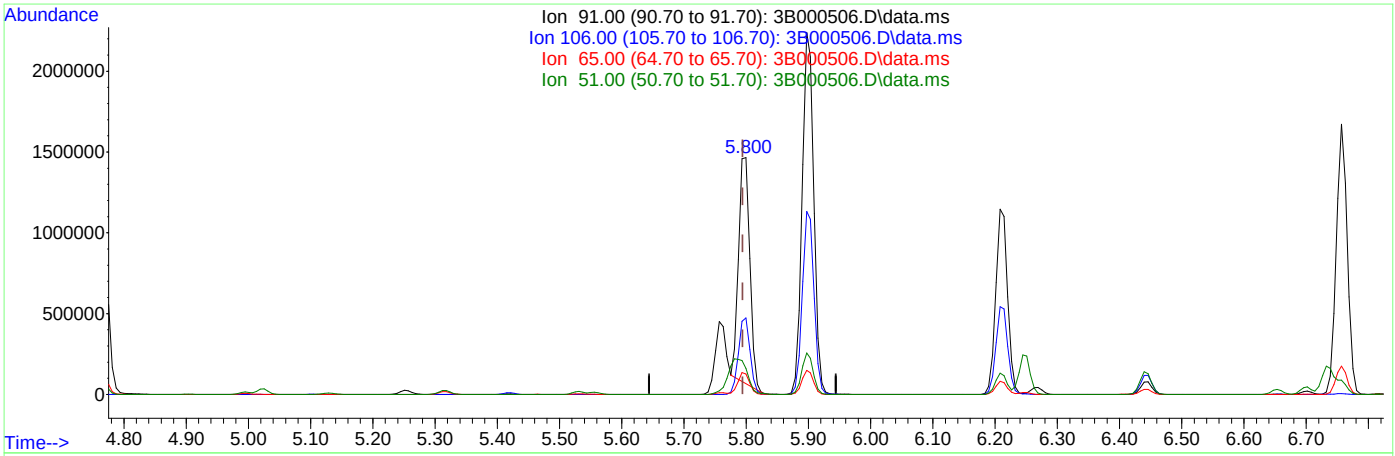
response 586307

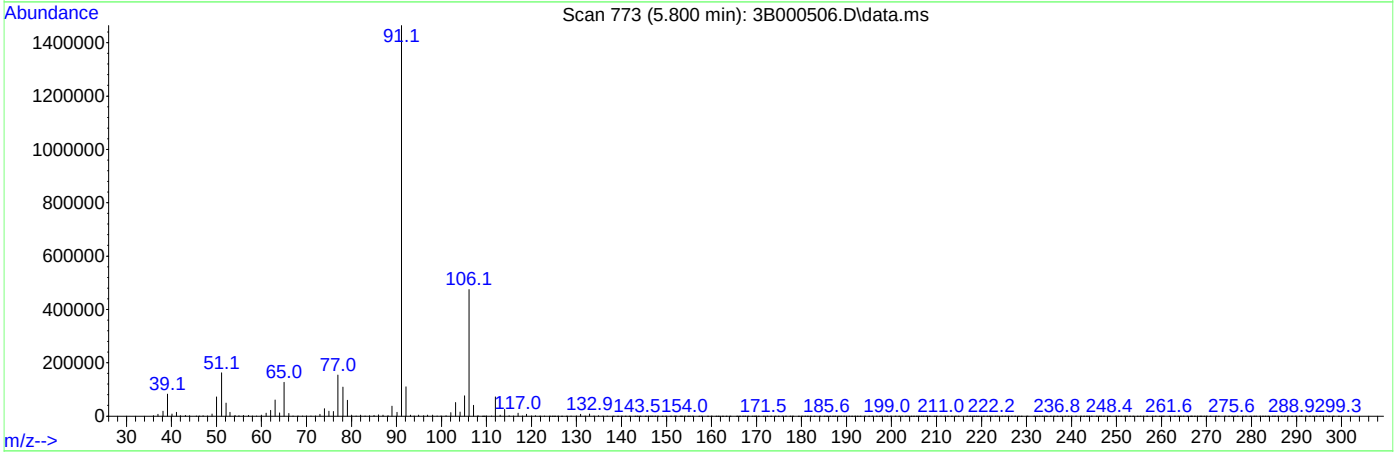
Ion	Exp%	Act%
91.00	100	100
55.00	79.50	78.22
41.00	60.40	59.41
43.10	52.20	55.49

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\100824\
Data File : 3B000506.D
Acq On : 08 Oct 2024 09:36 am
Operator : neilc1
Sample : cc13-5 Inst : MSVOA22-3B
Misc : ms57664,V3B23,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 08 10:28:25 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Sep 25 06:45:21 2024
Response via : Initial Calibration





TIC: 3B000506.D\data.ms

(77) Ethylbenzene

5.800min (+0.006) 33.91ug/L

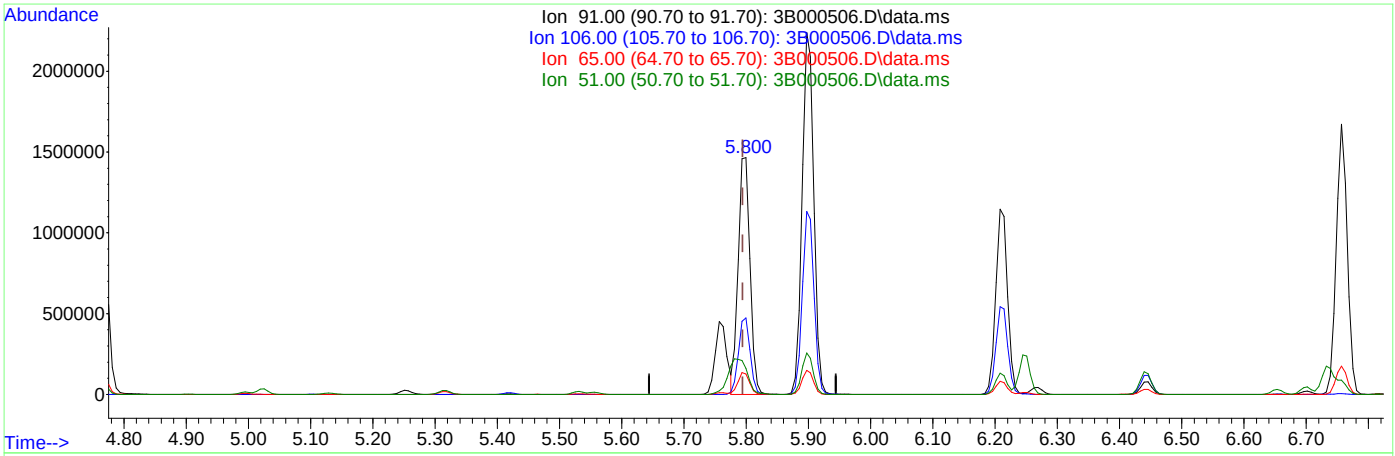
response 1719077

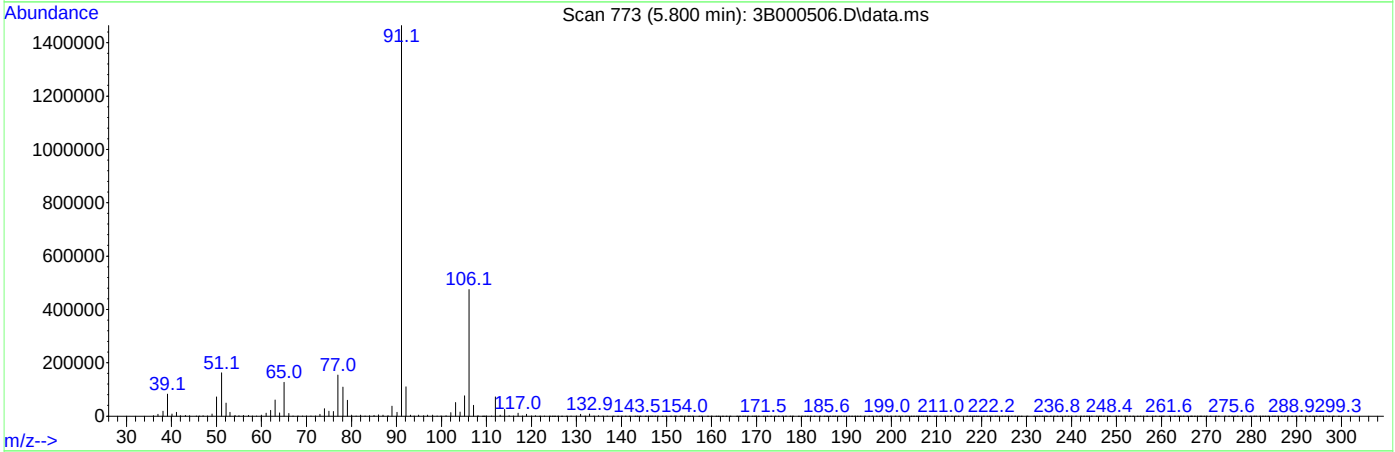
Ion	Exp%	Act%
91.00	100	100
106.00	31.60	32.40
65.00	9.30	8.60
51.00	12.70	10.66

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\100824\
Data File : 3B000506.D
Acq On : 08 Oct 2024 09:36 am
Operator : neilc1
Sample : cc13-5 Inst : MSVOA22-3B
Misc : ms57664,V3B23,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 08 10:28:25 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Sep 25 06:45:21 2024
Response via : Initial Calibration





TIC: 3B000506.D\data.ms

(77) Ethylbenzene

5.800min (+0.006) 37.84ug/L m

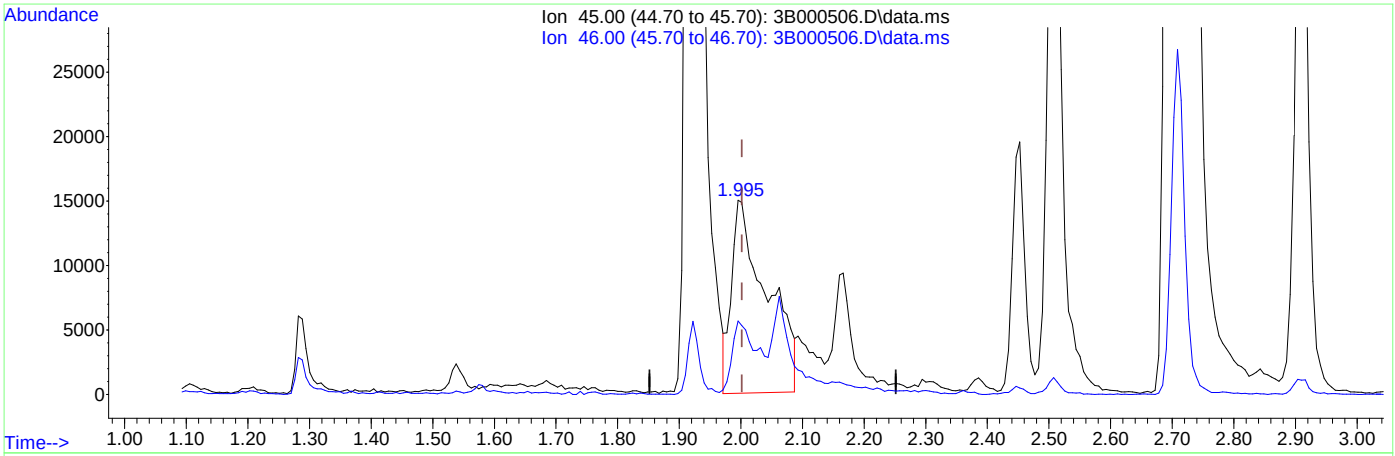
response 1918496

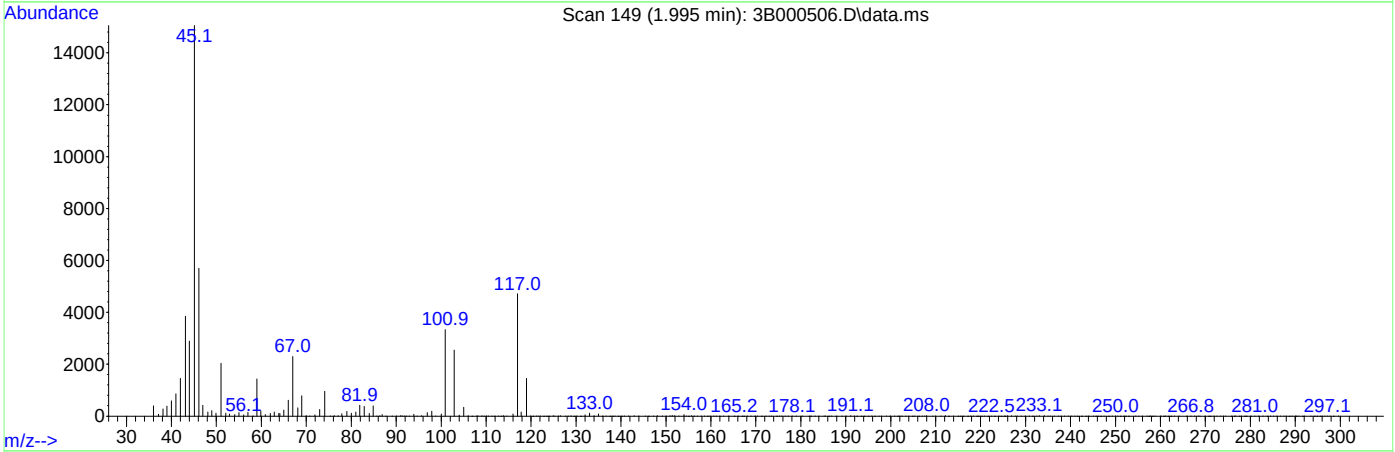
Ion	Exp%	Act%
91.00	100	100
106.00	31.60	32.38
65.00	9.30	8.67
51.00	12.70	11.06

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\100824\
Data File : 3B000506.D
Acq On : 08 Oct 2024 09:36 am
Operator : neilc1
Sample : cc13-5 Inst : MSVOA22-3B
Misc : ms57664,V3B23,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 08 10:28:25 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Sep 25 06:45:21 2024
Response via : Initial Calibration





TIC: 3B000506.D\data.ms

(10) Ethanol

1.995min (-0.007) 874.56ug/L m

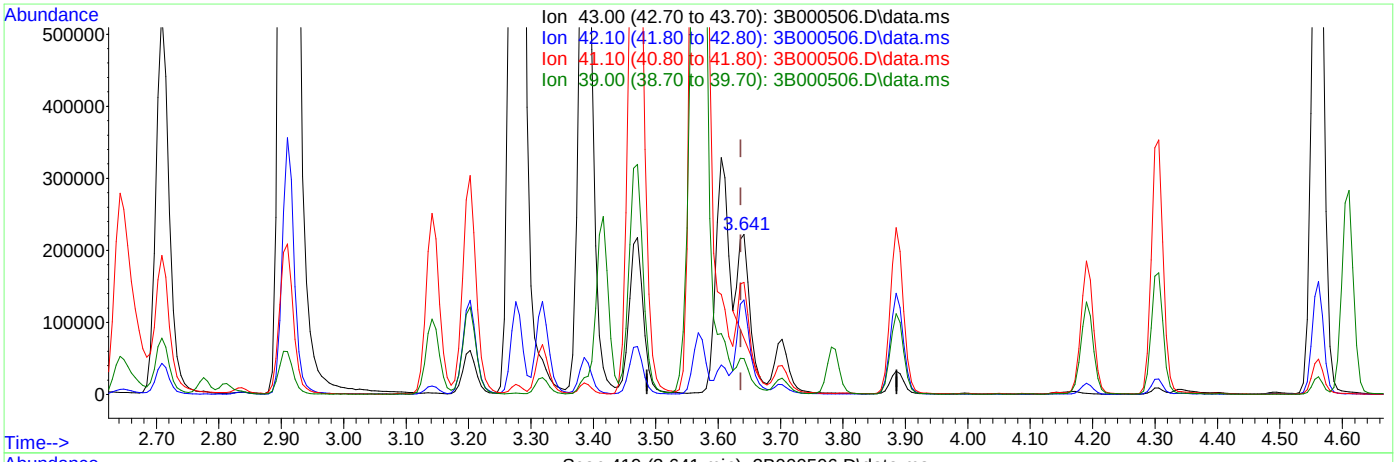
response 59401

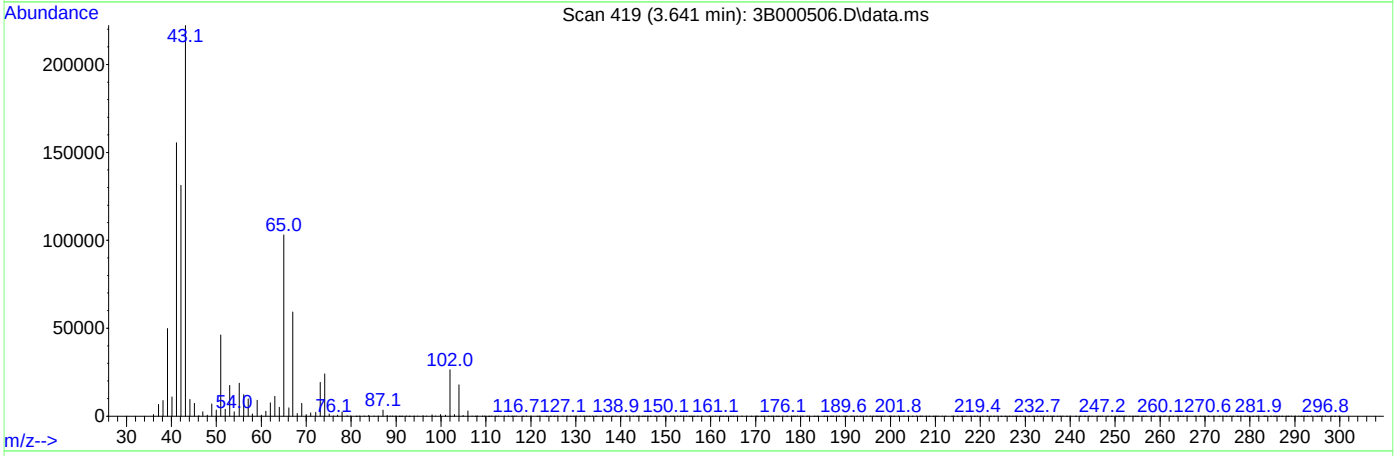
Ion	Exp%	Act%
45.00	100	100
46.00	38.00	37.87
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\100824\
Data File : 3B000506.D
Acq On : 08 Oct 2024 09:36 am
Operator : neilc1
Sample : cc13-5 Inst : MSVOA22-3B
Misc : ms57664,V3B23,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 08 10:28:25 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Sep 25 06:45:21 2024
Response via : Initial Calibration





TIC: 3B000506.D\data.ms

(51) Isobutyl Alcohol

3.641min (+0.005) 365.44ug/L

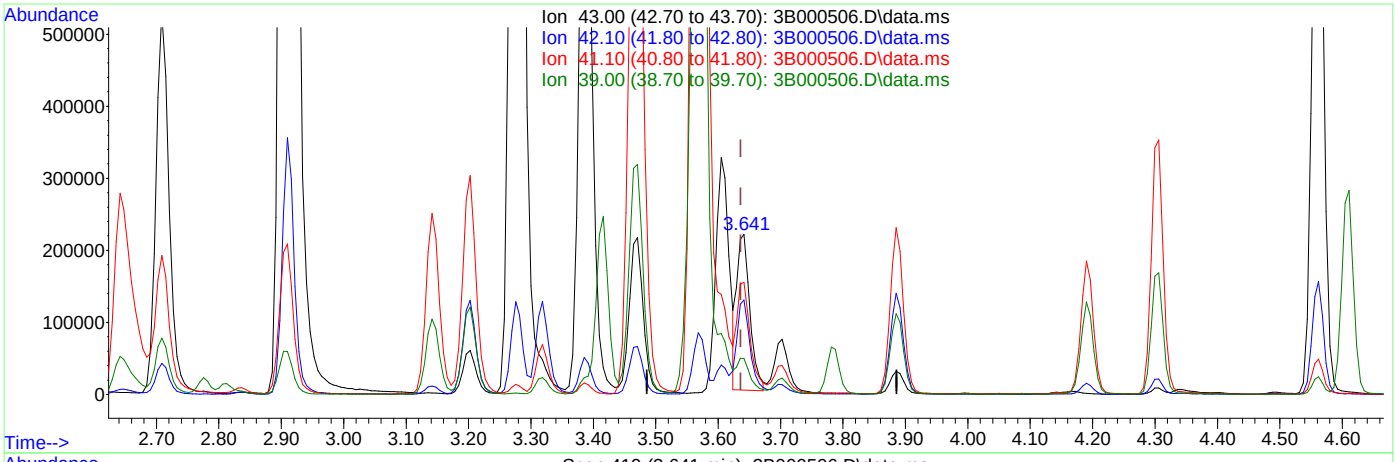
response 146978

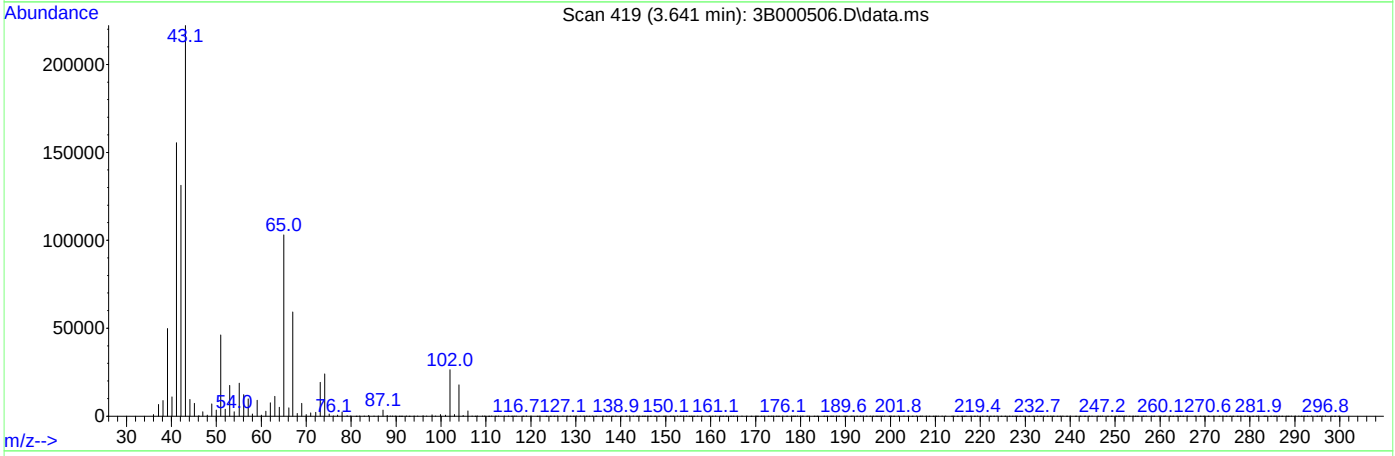
Ion	Exp%	Act%
43.00	100	100
42.10	58.30	59.00
41.10	72.80	67.26
39.00	24.70	20.99

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\100824\
Data File : 3B000506.D
Acq On : 08 Oct 2024 09:36 am
Operator : neilc1
Sample : cc13-5 Inst : MSVOA22-3B
Misc : ms57664,V3B23,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 08 10:28:25 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Sep 25 06:45:21 2024
Response via : Initial Calibration





TIC: 3B000506.D\data.ms

(51) Isobutyl Alcohol

3.641min (+0.005) 757.13ug/L m

response 316851

Ion	Exp%	Act%
43.00	100	100
42.10	58.30	59.04
41.10	72.80	69.96
39.00	24.70	22.45

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
10/09/24 07:23

Quantitation Report (QT Reviewed)

Data Path : C:\MassHunter\GCMS\1\data\100824\
Data File : 3B000532.D
Acq On : 08 Oct 2024 08:15 pm
Operator : neilc1
Sample : ecc13-5 Inst : MSVOA22-3B
Misc : ms57662,V3B23,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 09 06:26:27 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Oct 09 05:14:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.782	96	1644497	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.769	117	1081151	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.513	152	540755	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.325	113	383709	52.08	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 104.16%			
49) 1,2-Dichloroethane-d4	3.623	65	450349	49.77	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 99.54%			
63) Toluene-d8	4.727	98	1603811	49.53	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 99.06%			
86) 4-Bromofluorobenzene	6.653	174	416890	50.01	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.02%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.179	85	368796	35.76	ug/L	99
3) Chloromethane	1.331	50	444218	44.31	ug/L	100
4) 1,3-butadiene	1.374	39	328483	39.30	ug/L	100
5) Vinyl Chloride	1.361	62	417340	43.42	ug/L	99
6) Bromomethane	1.569	94	103923	45.66	ug/L	96
7) Chloroethane	1.648	64	130198	38.74	ug/L	97
8) Trichlorofluoromethane	1.733	101	355078	44.59	ug/L	99
9) Ethyl Ether	1.916	59	349132	42.73	ug/L	95
10) Ethanol	1.995	45	65340m	1587.21	ug/L	
11) 1,2-Dichlorotrifluoroe...	2.026	67	412775	41.85	ug/L	99
12) 1,1-Dichloroethene	2.032	61	548797	41.31	ug/L	99
13) Freon 113	2.056	101	302804	38.75	ug/L	97
14) Carbon Disulfide	2.056	76	959409	41.32	ug/L	100
15) Iodomethane	2.123	142	243680	46.13	ug/L	96
16) Acrolein	2.221	56	357887	230.66	ug/L	99
17) Allyl chloride	2.300	41	628317	44.32	ug/L	96
18) Methylene Chloride	2.361	49	553631	45.71	ug/L	99
19) Acetone	2.380	43	639554	237.04	ug/L	97
20) Methyl acetate	2.447	43	2085452	252.22	ug/L	99
21) trans-1,2-Dichloroethene	2.447	61	534865	42.00	ug/L	96
22) Hexane	2.489	56	361094	40.59	ug/L	95
23) Methyl Tert Butyl Ether	2.508	73	1098507	42.00	ug/L	94
24) Acetonitrile	2.642	41	598186m	579.14	ug/L	
25) Tert Butyl Alcohol	2.544	59	539805	451.03	ug/L	96
26) Di-isopropyl ether	2.709	45	1476841	46.09	ug/L	98
27) Chloroprene	2.806	53	1071072	49.00	ug/L	99
28) 1,1-Dichloroethane	2.782	63	697435	42.38	ug/L	99
29) Acrylonitrile	2.806	52	727416	245.37	ug/L	99
30) ETBE	2.904	59	1311659	43.91	ug/L	99
31) Vinyl acetate	2.910	43	4393769	209.87	ug/L	98
32) cis-1,2-Dichloroethene	3.075	96	374195	41.84	ug/L	95
33) 2,2-Dichloropropane	3.142	77	467704	36.56	ug/L	99
34) Bromochloromethane	3.190	128	161418	40.37	ug/L	97
35) Cyclohexane	3.196	56	728952	41.81	ug/L	99
36) Chloroform	3.221	83	630903	41.09	ug/L	98
37) Ethyl acetate	2.910	43	4411386	209.73	ug/L	100
38) Tetrahydrofuran	3.312	42	178715	49.73	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : C:\MassHunter\GCMS\1\data\100824\
Data File : 3B000532.D
Acq On : 08 Oct 2024 08:15 pm
Operator : neilc1
Sample : ecc13-5 Inst : MSVOA22-3B
Misc : ms57662,V3B23,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 09 06:26:27 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Oct 09 05:14:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
40) Carbon Tetrachloride	3.312	117	352629	34.31	ug/L		99
41) 1,1,1-Trichloroethane	3.349	97	509015	39.68	ug/L		98
42) 2-Butanone	3.385	43	1300201	262.55	ug/L		100
43) 1,1-Dichloropropene	3.410	75	450168	41.56	ug/L		96
44) tert-Butyl formate	3.465	59	1729486	214.79	ug/L		98
45) Propionitrile	3.556	54	756773	505.97	ug/L		98
46) Methacrylonitrile	3.568	41	3148409	475.01	ug/L		98
47) Benzene	3.550	78	1478557	42.50	ug/L		97
48) TAME	3.605	73	1107834	44.50	ug/L		99
50) 1,2-Dichloroethane	3.660	62	469084	39.28	ug/L		98
51) Isobutyl Alcohol	3.635	43	329582m	1017.87	ug/L		
52) Tert Amyl Alcohol	3.702	59	367136	510.29	ug/L		98
53) Trichloroethene	3.879	95	363193	41.78	ug/L		99
54) Methylcyclohexane	3.885	83	614713	41.48	ug/L		99
55) Dibromomethane	4.129	93	210564	41.30	ug/L		98
56) 1,2-Dichloropropane	4.190	63	412614	43.09	ug/L		97
57) Bromodichloromethane	4.221	83	456082	42.27	ug/L		99
58) Methyl methacrylate	4.300	41	434301	50.11	ug/L		98
59) 1,4-Dioxane	4.343	88	67943	1030.97	ug/L		99
60) 2-Chloroethyl vinyl ether	4.562	63	1458132	228.62	ug/L		98
61) cis-1,3-Dichloropropene	4.605	75	601491	42.86	ug/L		98
64) Toluene	4.763	91	1550985	41.84	ug/L		100
65) 2-Nitropropane	4.562	41	61589	213.20	ug/L	#	83
66) 4-Methyl-2-pentanone	4.995	43	2498795	232.37	ug/L		99
67) trans-1,3-Dichloropropene	4.605	75	601491	40.76	ug/L		98
68) Tetrachloroethene	5.013	166	456117	48.76	ug/L		99
69) Ethyl methacrylate	5.117	69	480078	46.29	ug/L		97
70) 1,1,2-Trichloroethane	5.129	83	278527	40.96	ug/L		100
71) Dibromochloromethane	5.251	129	310407	41.53	ug/L		100
72) 1,3-Dichloropropane	5.312	76	597019	40.57	ug/L		99
73) 1,2-Dibromoethane	5.416	107	337574	41.16	ug/L		99
74) 3,3-Dimethyl-1-Butanol	5.531	57	2334857	2393.22	ug/L		98
75) 2-hexanone	5.556	43	2088702	233.72	ug/L		100
76) 1-Chlorohexane	5.757	91	495076m	39.64	ug/L		
77) Ethylbenzene	5.794	91	1628685m	40.27	ug/L		
78) Chlorobenzene	5.781	112	908189	40.55	ug/L		99
79) 1,1,1,2-Tetrachloroethane	5.824	131	307884	42.11	ug/L		99
80) m,p-Xylene	5.897	91	2512506	80.96	ug/L		99
81) o-Xylene	6.208	91	1288171	40.85	ug/L		100
82) Styrene	6.245	104	1018992	42.29	ug/L		99
83) Bromoform	6.269	173	207156	41.49	ug/L		98
84) Isopropylbenzene	6.440	105	1501768	40.55	ug/L		100
87) cis-1,4-Dichloro-2-butene	6.696	53	158973	42.38	ug/L		95
88) n-Propylbenzene	6.757	91	1787593	40.29	ug/L		99
89) Bromobenzene	6.732	156	348463	39.78	ug/L		98
90) 1,1,2,2-Tetrachloroethane	6.806	83	458745	44.51	ug/L		98
91) 1,3,5-Trimethylbenzene	6.909	105	1236929	39.55	ug/L		100
92) 2-Chlorotoluene	6.879	91	1169110	39.39	ug/L		98
93) trans-1,4-Dichloro-2-B...	6.940	53	121562	40.64	ug/L		96
94) 1,2,3-Trichloropropane	6.909	110	143672	42.77	ug/L		97
95) Cyclohexanone	6.946	55	75897	251.68	ug/L		99
96) 4-Chlorotoluene	7.007	91	1115566	39.63	ug/L		98
97) tert-Butylbenzene	7.159	91	687999	39.10	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\MassHunter\GCMS\1\data\100824\
Data File : 3B000532.D
Acq On : 08 Oct 2024 08:15 pm
Operator : neilc1
Sample : ecc13-5 Inst : MSVOA22-3B
Misc : ms57662,V3B23,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 09 06:26:27 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Oct 09 05:14:10 2024
Response via : Initial Calibration

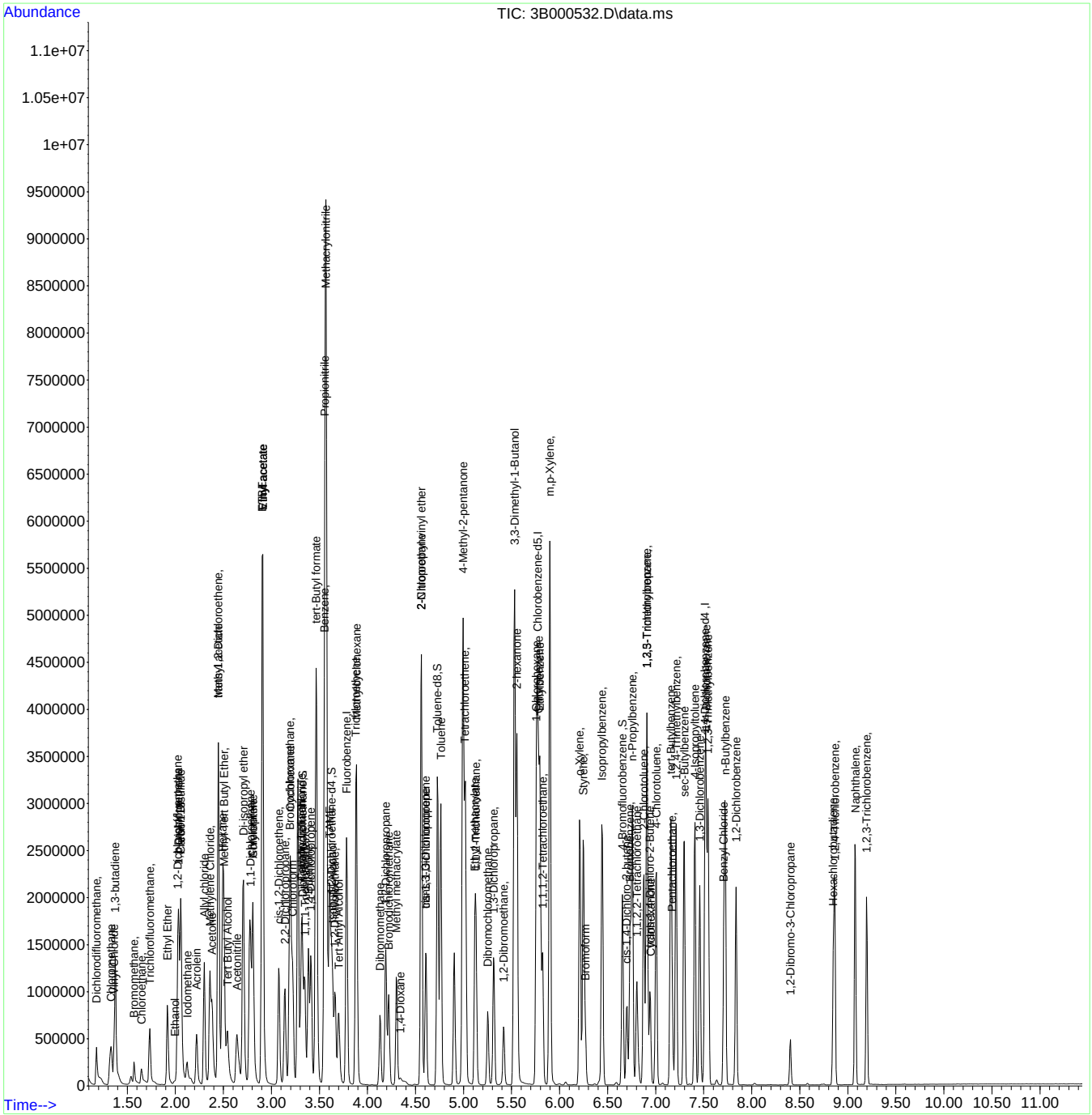
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
98)	1,2,4-Trimethylbenzene	7.214	105	1238847	39.93	ug/L		98
99)	Pentachloroethane	7.171	167	116658	31.56	ug/L	#	68
100)	sec-Butylbenzene	7.299	105	1507044	40.14	ug/L		98
101)	4-Isopropyltoluene	7.409	119	1257923	40.14	ug/L		98
102)	1,3-Dichlorobenzene	7.458	146	646074	39.35	ug/L		99
103)	1,2,3-Trimethylbenzene	7.543	105	1291140	40.62	ug/L		99
104)	1,4-Dichlorobenzene	7.525	146	646965	39.27	ug/L		99
105)	n-Butylbenzene	7.726	92	703555	41.00	ug/L		89
106)	Benzyl Chloride	7.708	126	150252	35.44	ug/L		98
107)	1,2-Dichlorobenzene	7.836	146	614367	39.14	ug/L		99
108)	1,2-Dibromo-3-Chloropr...	8.403	75	84316	43.24	ug/L		88
109)	Hexachlorobutadiene	8.848	225	156972	39.54	ug/L		99
110)	1,2,4-Trichlorobenzene	8.866	180	425037	40.98	ug/L		96
111)	Naphthalene	9.080	128	1320417	41.35	ug/L		100
112)	1,2,3-Trichlorobenzene	9.195	180	408526	40.46	ug/L		99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MassHunter\GCMS\1\data\100824\
Data File : 3B000532.D
Acq On : 08 Oct 2024 08:15 pm
Operator : neilc1
Sample : ecc13-5 Inst : MSVOA22-3B
Misc : ms57662,V3B23,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 09 06:26:27 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Oct 09 05:14:10 2024
Response via : Initial Calibration



Manual Integration Approval Summary

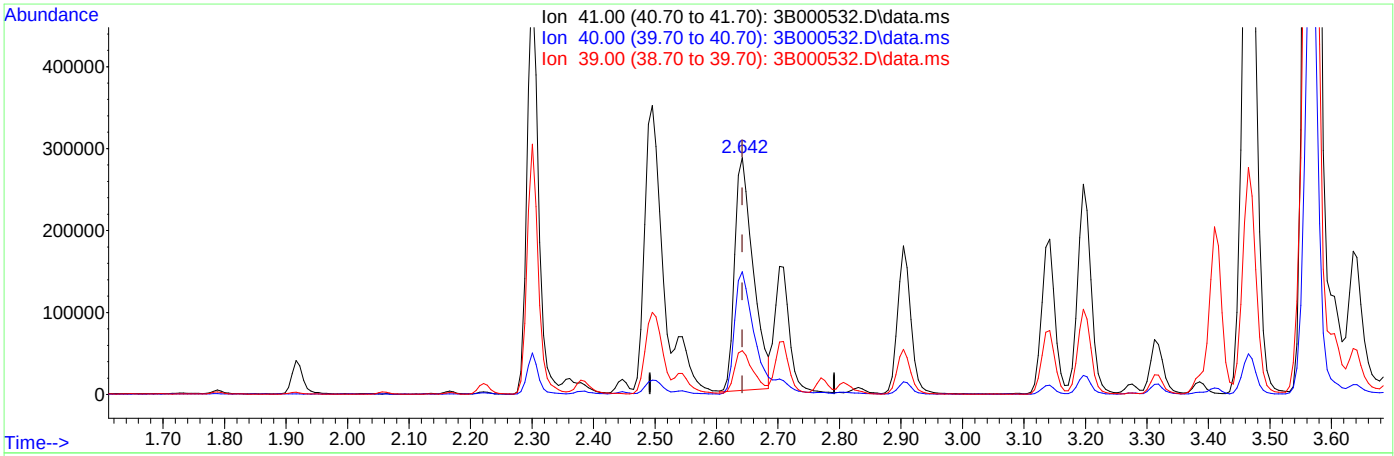
Sample Number: V3B23-ECC13 **Method:** SW846 8260D
Lab FileID: 3B000532.D **Analyst approved:** 10/09/24 07:05 Neil Christiana
Injection Time: 10/08/24 20:15 **Supervisor approved:** 10/09/24 07:23 Karen Watson

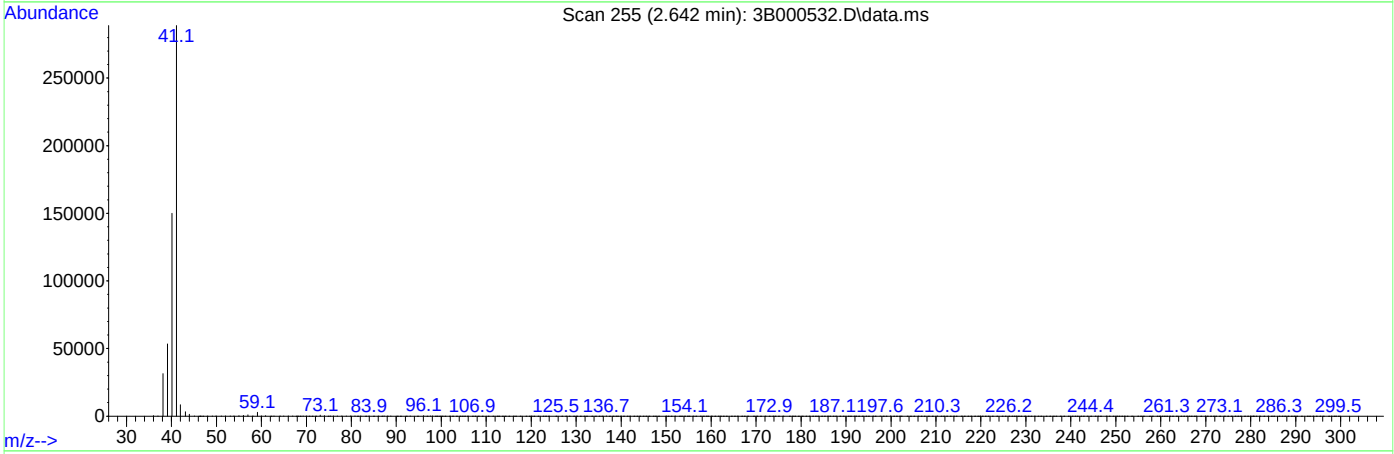
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		2.00	Poorly defined baseline
Acetonitrile	75-05-8		2.64	Poorly defined baseline
Isobutyl Alcohol	78-83-1		3.64	Poorly defined baseline
1-Chlorohexane	544-10-5		5.76	Poorly defined baseline
Ethylbenzene	100-41-4		5.79	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\100824\
Data File : 3B000532.D
Acq On : 08 Oct 2024 08:15 pm
Operator : neilc1
Sample : ecc13-5 Inst : MSVOA22-3B
Misc : ms57662,V3B23,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 09 06:26:27 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Oct 09 05:14:10 2024
Response via : Initial Calibration





TIC: 3B000532.D\data.ms

(24) Acetonitrile

2.642min (-0.000) 579.14ug/L m

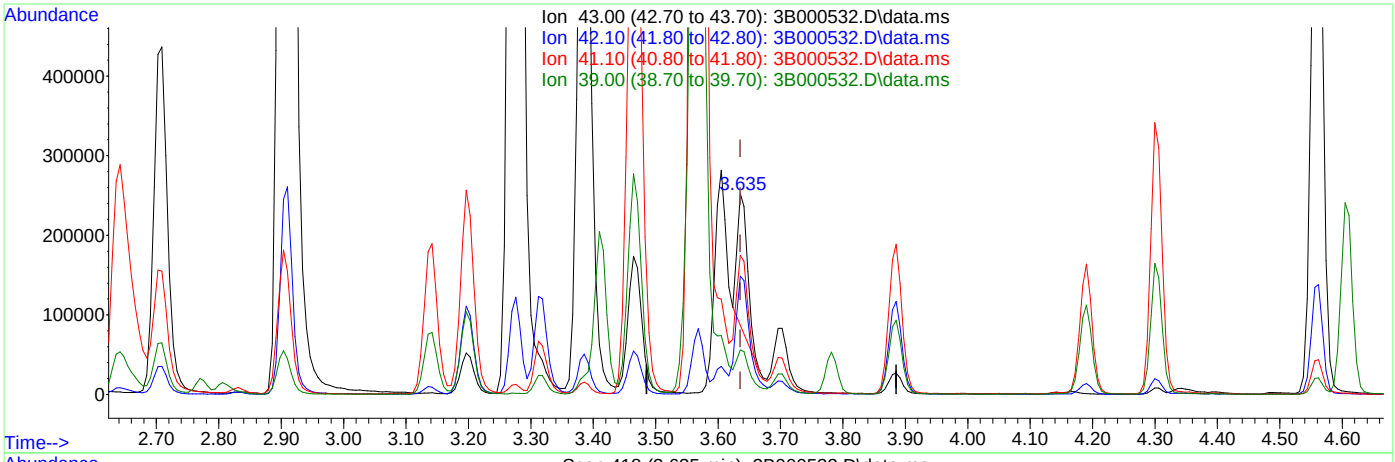
response 598186

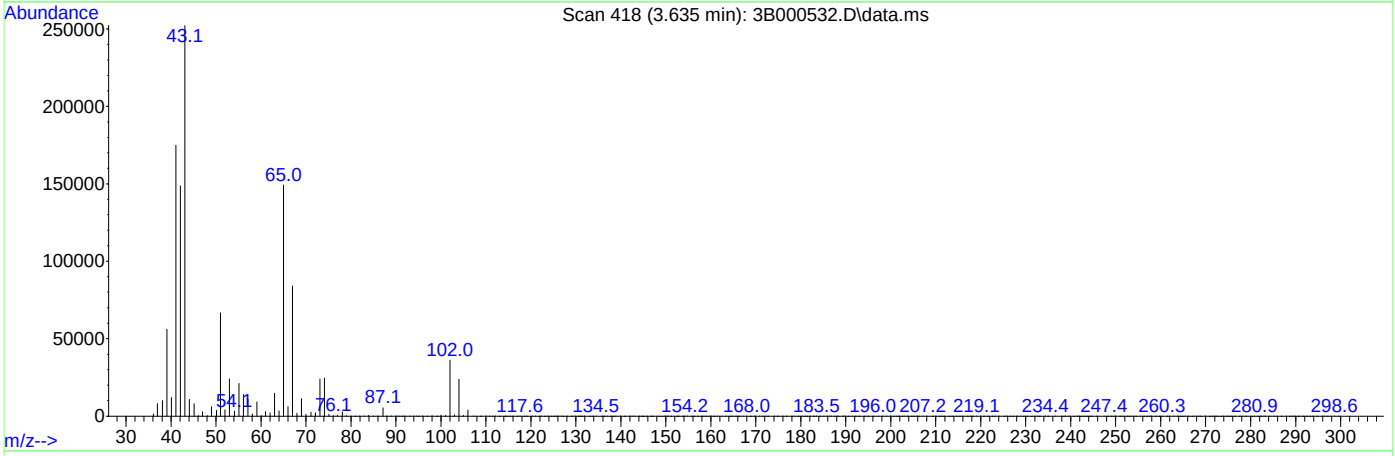
Ion	Exp%	Act%
41.00	100	100
40.00	52.90	51.89
39.00	19.60	18.48
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\100824\
Data File : 3B000532.D
Acq On : 08 Oct 2024 08:15 pm
Operator : neilc1
Sample : ecc13-5 Inst : MSVOA22-3B
Misc : ms57662,V3B23,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 09 06:26:27 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Oct 09 05:14:10 2024
Response via : Initial Calibration





TIC: 3B000532.D\data.ms

(51) Isobutyl Alcohol

3.635min (-0.000) 583.25ug/L

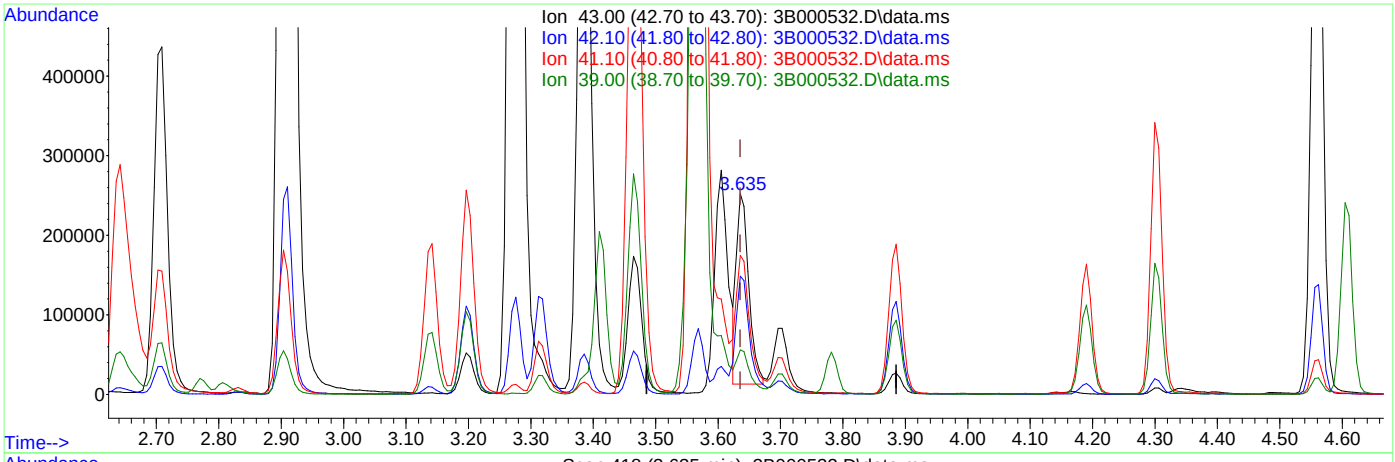
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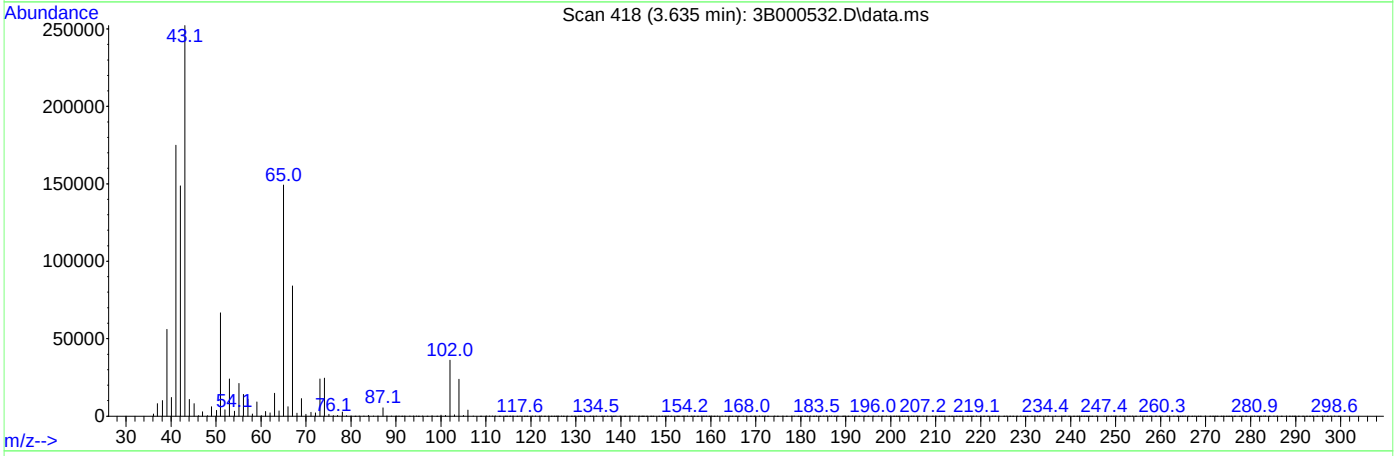
Ion	Exp%	Act%
43.00	100	100
42.10	58.30	59.08
41.10	72.80	67.67
39.00	24.70	21.00

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\100824\
Data File : 3B000532.D
Acq On : 08 Oct 2024 08:15 pm
Operator : neilc1
Sample : ecc13-5 Inst : MSVOA22-3B
Misc : ms57662,V3B23,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 09 06:26:27 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Oct 09 05:14:10 2024
Response via : Initial Calibration





TIC: 3B000532.D\data.ms

(51) Isobutyl Alcohol

3.635min (-0.000) 1017.87ug/L m

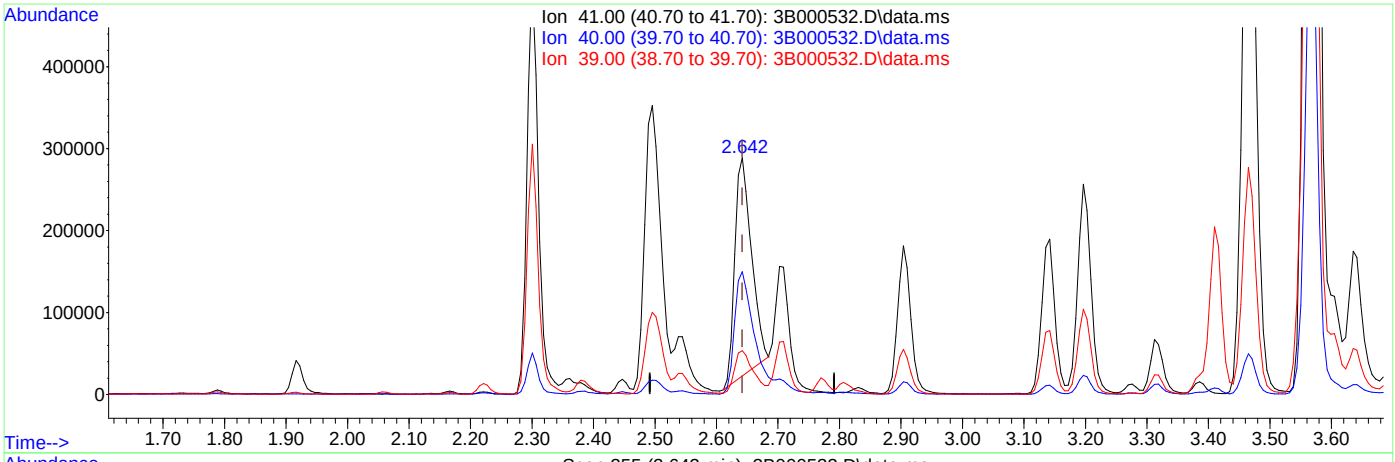
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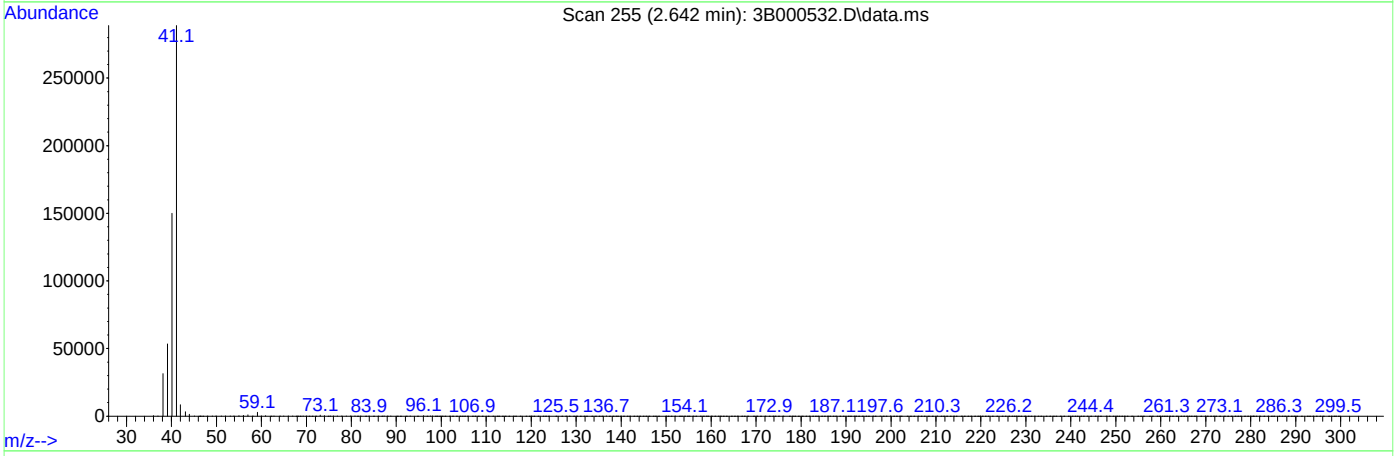
Ion	Exp%	Act%
43.00	100	100
42.10	58.30	58.95
41.10	72.80	69.30
39.00	24.70	22.23

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\100824\
Data File : 3B000532.D
Acq On : 08 Oct 2024 08:15 pm
Operator : neilc1
Sample : ecc13-5 Inst : MSVOA22-3B
Misc : ms57662,V3B23,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 09 06:26:27 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Oct 09 05:14:10 2024
Response via : Initial Calibration





TIC: 3B000532.D\data.ms

(24) Acetonitrile

2.642min (-0.000) 478.96ug/L

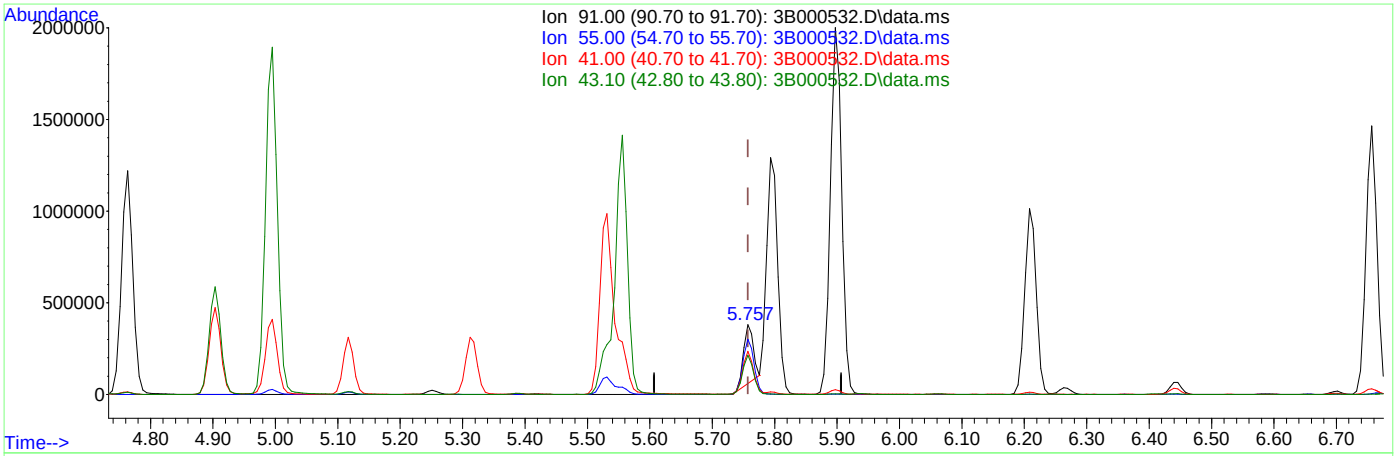
response 507617

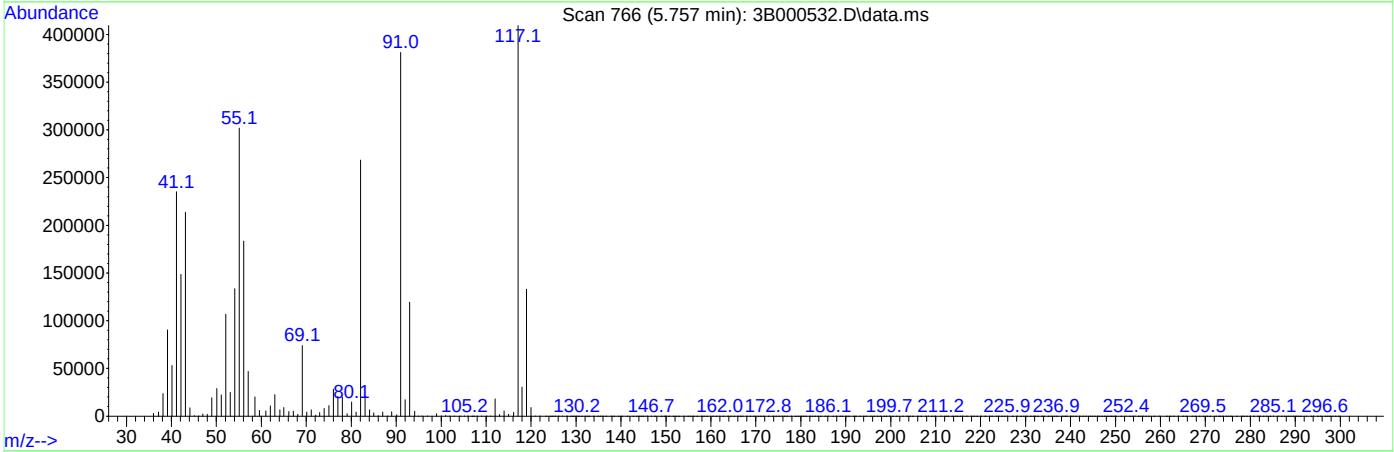
Ion	Exp%	Act%
41.00	100	100
40.00	52.90	52.37
39.00	19.60	18.20
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\100824\
Data File : 3B000532.D
Acq On : 08 Oct 2024 08:15 pm
Operator : neilc1
Sample : ecc13-5 Inst : MSVOA22-3B
Misc : ms57662,V3B23,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 09 06:26:27 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Oct 09 05:14:10 2024
Response via : Initial Calibration





TIC: 3B000532.D\data.ms

(76) 1-Chlorohexane

5.757min (-0.000) 28.80ug/L

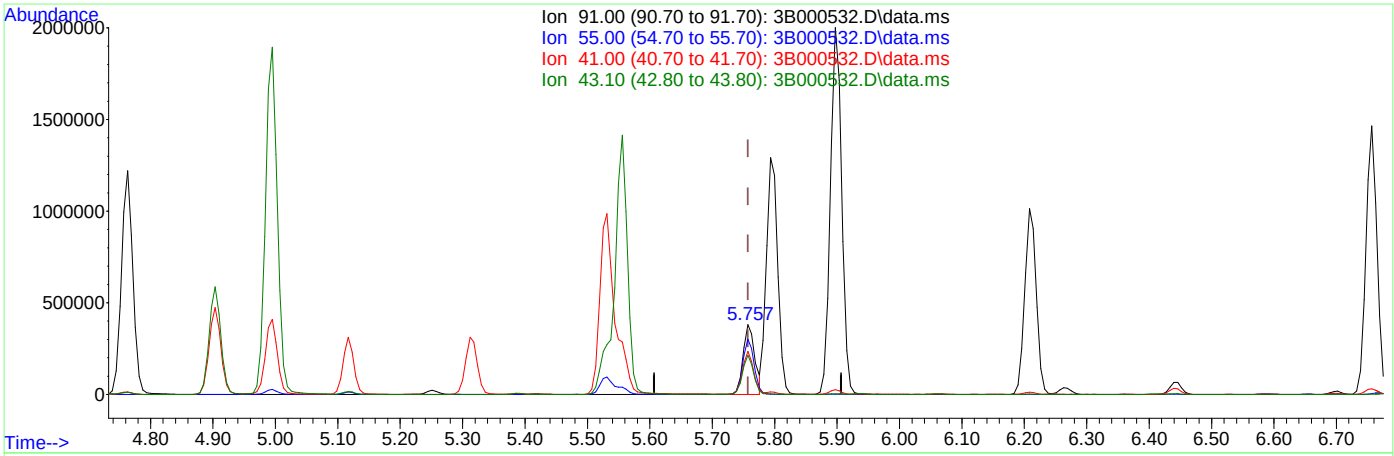
response 359674

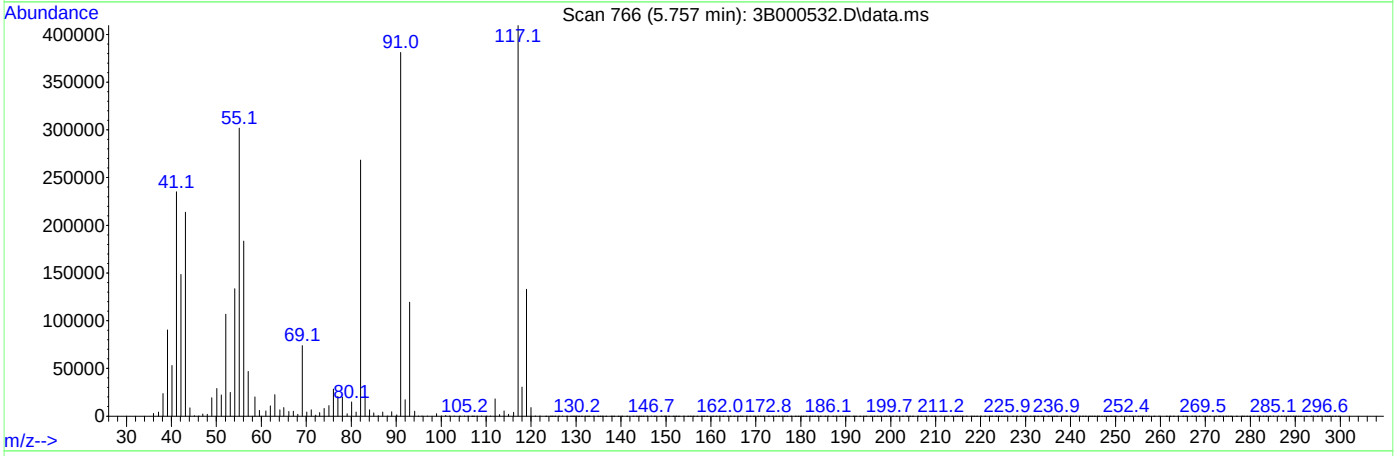
Ion	Exp%	Act%
91.00	100	100
55.00	79.50	78.94
41.00	60.40	60.92
43.10	52.20	55.67

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\100824\
Data File : 3B000532.D
Acq On : 08 Oct 2024 08:15 pm
Operator : neilc1
Sample : ecc13-5 Inst : MSVOA22-3B
Misc : ms57662,V3B23,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 09 06:26:27 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Oct 09 05:14:10 2024
Response via : Initial Calibration





TIC: 3B000532.D\data.ms

(76) 1-Chlorohexane

5.757min (-0.000) 39.64ug/L m

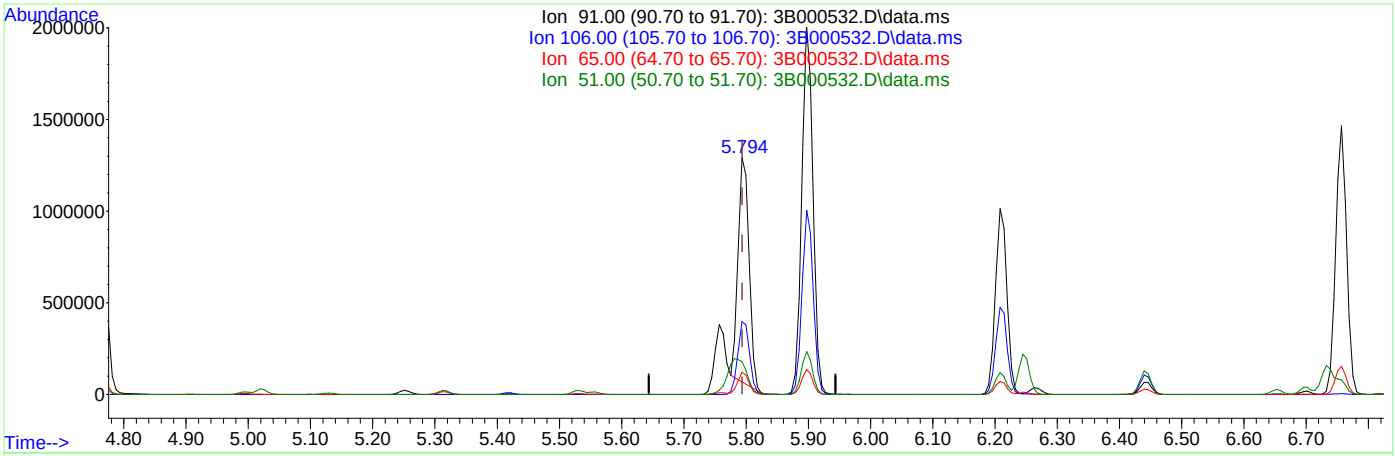
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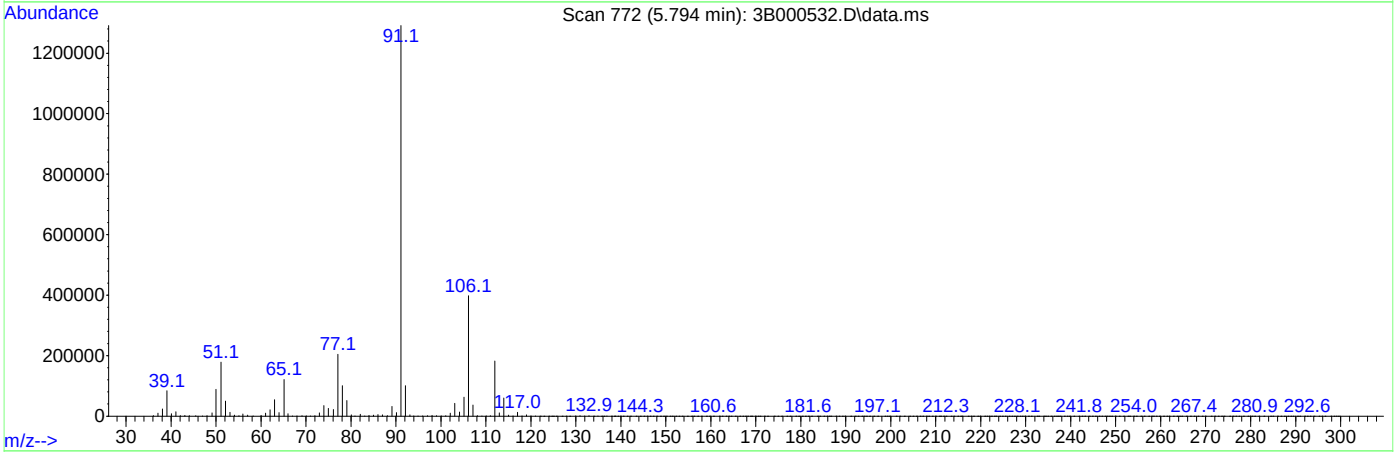
Ion	Exp%	Act%
91.00	100	100
55.00	79.50	79.18
41.00	60.40	61.70
43.10	52.20	56.03

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\100824\
Data File : 3B000532.D
Acq On : 08 Oct 2024 08:15 pm
Operator : neilc1
Sample : ecc13-5 Inst : MSVOA22-3B
Misc : ms57662,V3B23,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 09 06:26:27 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Oct 09 05:14:10 2024
Response via : Initial Calibration





TIC: 3B000532.D\data.ms

(77) Ethylbenzene

5.794min (-0.000) 36.48ug/L

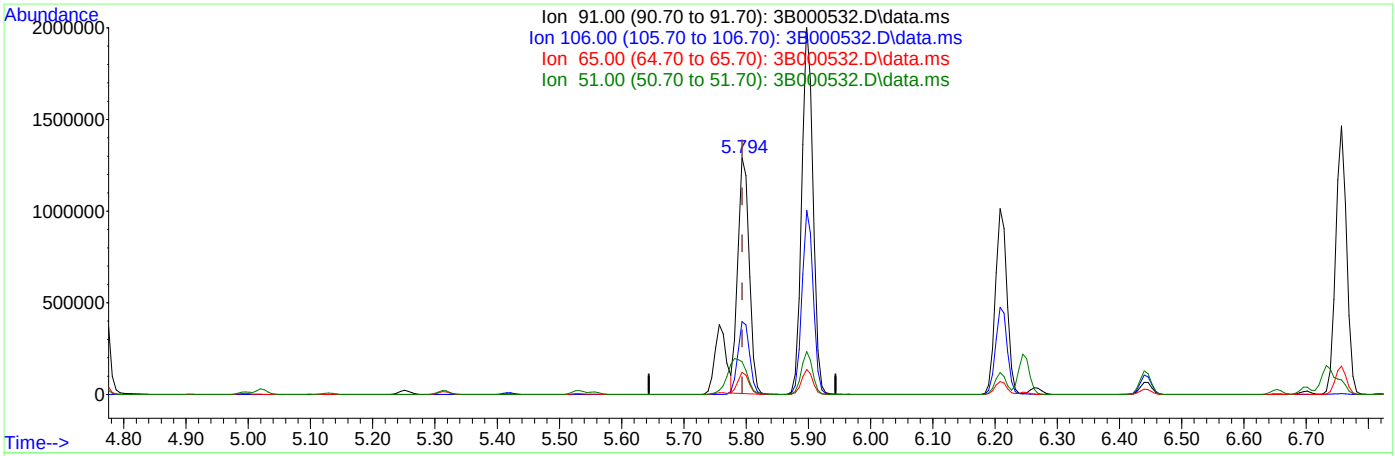
response 1475367

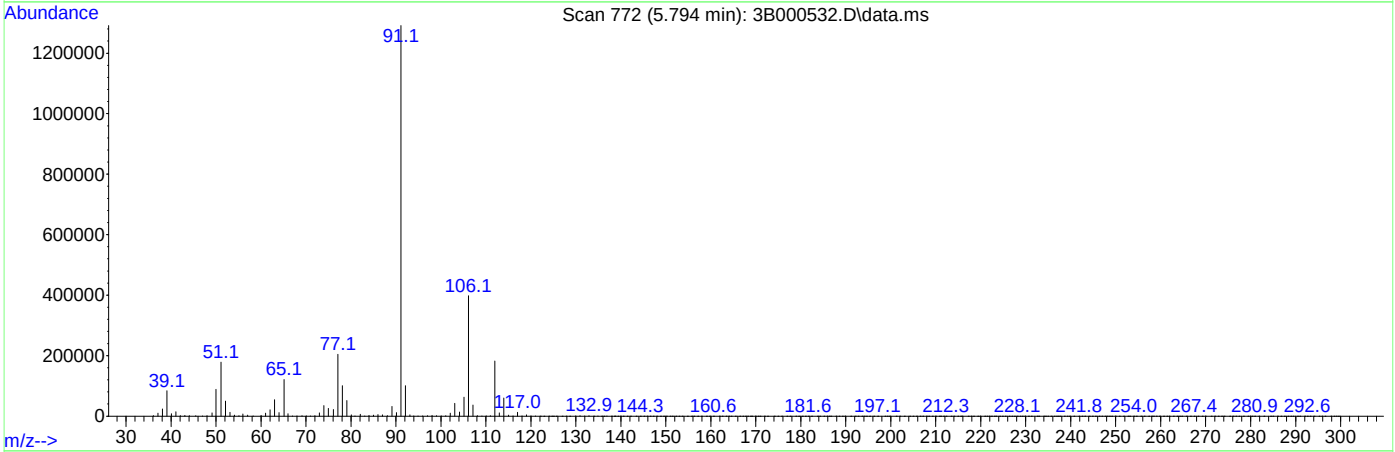
Ion	Exp%	Act%
91.00	100	100
106.00	31.60	30.80
65.00	9.30	9.27
51.00	12.70	13.45

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\100824\
Data File : 3B000532.D
Acq On : 08 Oct 2024 08:15 pm
Operator : neilc1
Sample : ecc13-5 Inst : MSVOA22-3B
Misc : ms57662,V3B23,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 09 06:26:27 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Oct 09 05:14:10 2024
Response via : Initial Calibration





TIC: 3B000532.D\data.ms

(77) Ethylbenzene

5.794min (-0.000) 40.27ug/L m

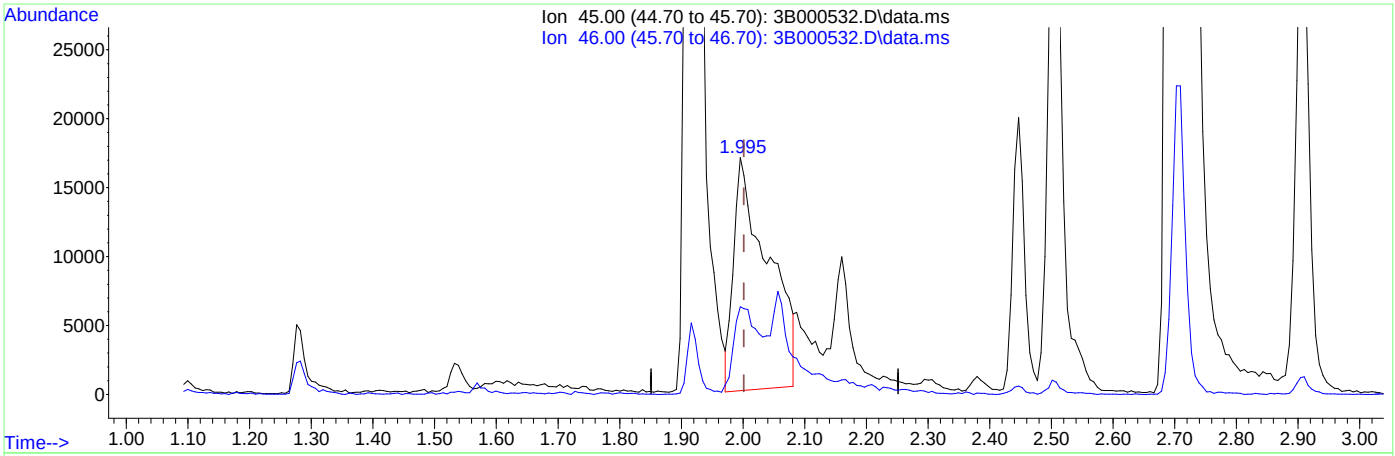
response 1628685

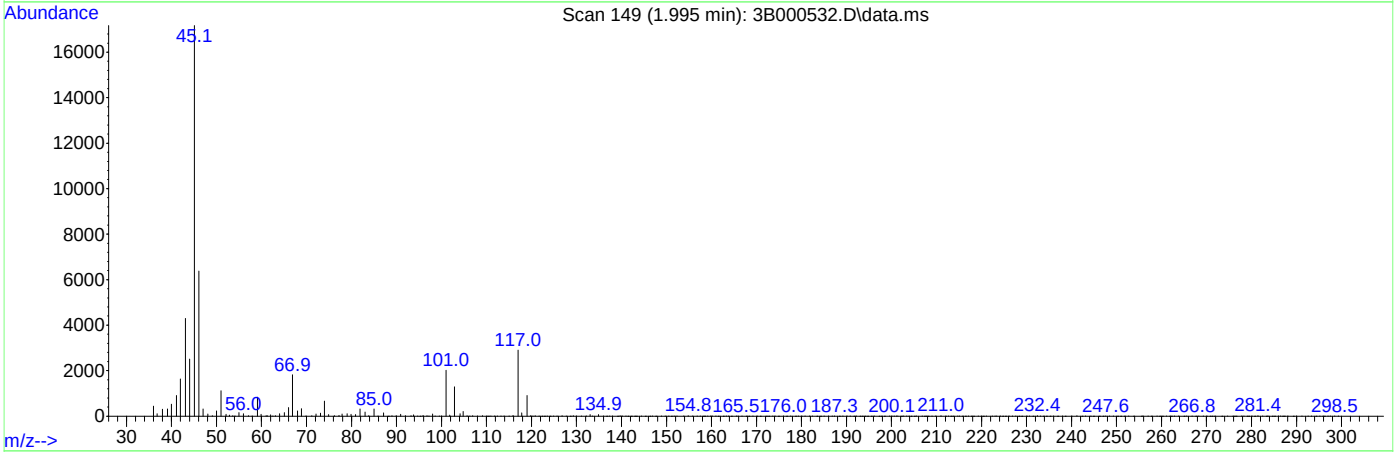
Ion	Exp%	Act%
91.00	100	100
106.00	31.60	30.83
65.00	9.30	9.34
51.00	12.70	13.84

Quantitation Report (Qedit)

Data Path : C:\MassHunter\GCMS\1\data\100824\
Data File : 3B000532.D
Acq On : 08 Oct 2024 08:15 pm
Operator : neilc1
Sample : ecc13-5 Inst : MSVOA22-3B
Misc : ms57662,V3B23,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 09 06:26:27 2024
Quant Method : C:\MassHunter\GCMS\1\methods\V3B13_8260_09242024.M
Quant Title : SW-846 Method 5035A/8260D
QLast Update : Wed Oct 09 05:14:10 2024
Response via : Initial Calibration





TIC: 3B000532.D\data.ms

(10) Ethanol

1.995min (-0.006) 1587.21ug/L m

response 65340

Ion	Exp%	Act%
45.00	100	100
46.00	38.00	37.10
0.00	0.00	0.00
0.00	0.00	0.00

SGS -ORLANDO

VOA-GCMS ANALYSIS LOG

Instrument:	MSVOA22-3B
Date:	09/24/2024
Analyst:	David B
Column Type	RTXVMS
Detector	5977A
Purge Pressure	
Purge Volume	5mL

Method(s):	VMS8260
Method File:	V3B13_8260_092424_.M
Calibration Date:	09/24/24
Acq. Method:	V3B_8260
EM Voltage:	916
Run ID:	**V3B13**

BFB:	VS4260
ICAL/CC:	VS4193, VS4237, VS4252
VS4248, VS4253, VS4247,VS4257	
ICV/BS:	VS4249, VS4240, VS4223
VS4250, VS4224, VS4258,	
ISTD/Surr.:	VS4260

pH Paper Lot#:	230320A/211623A
KI Paper Lot#:	14-860 03/13/23
AFA Lot#:	VS4092
Data processed by:	David B/nc
Sample ID Ver. by:	David B
Date Verified:	9/24/2024 0:00

Data File	Sample ID	Dilution Factor	Vial #	Matrix	A.S. Pos.	Work Group	pH	CI? (Y/N)	RR	Comments and Manually Integrated Peaks (Peak # and Rational)
3B000245	BFB	-	-	Water	1	-	-	-	-	Autofind Tune Passed✓
3B000246	IC13-1	-	-	Water	2	-	-	-	-	1uL→100mL w/ 275uL MeOH c40op c104mp c76,77 pdb c51mp
3B000247	IC13-8	-	-	Water	3	-	-	-	-	2uL→100mL w/ 265uL MeOH c40op c104mp c51,76,77 pdb
3B000248	IC13-2	-	-	Water	4	-	-	-	-	5uL→100mL w/ 245uL MeOH c40op c48,51,76,77 pdb
3B000249	IC13-3	-	-	Water	5	-	-	-	-	10uL→100mL w/ 200uL MeOH c40op c10,51,76,77 pdb
3B000250	IC13-4	-	-	Water	6	-	-	-	-	25uL→100mL w/ 100uL MeOH c40op c10,51,76,77 pdb
3B000251	ICC13-5	-	-	Water	7	-	-	-	-	40uL→100mL c40op c10,51,76,77 pdb
3B000252	IC13-6	-	-	Water	8	-	-	-	-	70uL→100mL c40op c51,76,77 pdb
3B000253	IC13-7	-	-	Water	9	-	-	-	-	100uL→100mL c40op c51,76,77 pdb
3B000254	rinse	-	-	Water	10	-	-	-	-	
3B000255	ICV13-5	-	-	Water	11	-	-	-	-	40uLà100mL c40op c10,51,76,77 pdb
3B000256	ICV13-4	-	-	Water	12	-	-	-	-	25uL→100mL w/ 100uL MeOH

Matrix: Designate "W" for Water "S" for soil, "O" for Oil, "Liq" for Non-aquous LIquid, and "TCLP" or "SPLP" for Leachate
Manual Integration Rational SOP QA029: MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PII Poor Instrument

SGS -ORLANDO

VOA-GCMS ANALYSIS LOG

Instrument:	msvoa22-3b
Date:	10/08/2024
Analyst:	neilc1
Column Type	RTXVMS
Detector	5977a
Purge Pressure	n/a
Purge Volume	5mL

Method(s):	8260
Method File:	v3b13_8260_0924
Calibration Date:	09/24/24
Acq. Method:	v2b_8260
EM Voltage:	916
Run ID:	**v3b23**

BFB:	vs4260
ICAL/CC:	vs4264, vs4286, VS4277
VS4280, VS4287, VS4292,VS4271	
ICV/BS:	, vs4295, VS4294
VS4240, VS4265, VS4266, VS4293	
ISTD/Surr.:	vs4260

pH Paper Lot#:	211623
KI Paper Lot#:	14-66
AFA Lot#:	vs4092
Data processed by:	neilc/Paula
Sample ID Ver. by:	n
Date Verified:	10/8

Run Sequence: V3B23

Data File	Sample ID	Dilution Factor	Vial #	Matrix	A.S. Pos.	Work Group	pH	CI? (Y/N)	RR	Comments and Manually Integrated Peaks (Peak # and Rational)
3b000505	BFB	-	-	W	1	-	-	-	-	autofind pass
3b000506	cc6-5	-	-	W	2	-	-	-	-	✓ 40uL-100mL
3b000507	bs	-	-	W	3	-	-	-	-	✓ 25uL-100mL
3b000508	rinse	-	-	W	4	-	-	-	-	
3b000509	mb	-	-	W	5	-	-	-	-	✓ ND
3b000510	fc19293-2	1X	1	W	6	ms57662	1	N	-	✓
3b000511	fc19293-1	1X	1	W	7	ms57662	1	N	-	✓
3b000512	fc19293-3	1X	1	W	8	ms57662	1	N	-	✓
3b000513	fc19293-4	1X	1	W	9	ms57662	1	N	-	✓
3b000514	fc19293-5	1X	1	W	10	ms57662	1	N	-	✓
3b000515	fc19293-6	1X	1	W	11	ms57662	1	N	-	✓
3b000516	fc19293-7	1X	1	W	12	ms57662	1	N	-	✓
3b000517	fc19293-8	1X	1	W	13	ms57662	1	N	-	✓
3b000518	fc19317-1	1X	1	W	14	ms57662	1	N	-	✓
3b000519	fc19317-2	20x	1	W	15	ms57662	1	N	2x	2.5mL-50mL; Surr out; O/D
3b000520	fc19317-3	1X	1	W	16	ms57662	1	N	-	✓
3b000521	fc19317-4	1X	1	W	17	ms57662	1	N	-	✓
3b000522	fc19317-5	1X	1	W	18	ms57662	1	N	-	✓
3b000523	fc19317-6	1X	1	W	19	ms57662	1	N	-	✓
3b000524	fc19317-7	1X	1	W	20	ms57662	1	N	-	✓
3b000525	fc19312-1	1X	1	W	21	ms57662	1	N	-	✓
3b000526	fc19312-2	1X	1	W	22	ms57662	1	N	-	✓
3b000527	fc19313-1	1X	1	W	23	ms57662	1	N	-	✓
3b000528	fc19313-2	1X	1	W	24	ms57662	1	N	-	✓
3b000529	fc19313-3	1X	1	W	25	ms57662	1	N	-	✓
3b000530	fc19293-2ms	1X	2	W	26	ms57662	1	N	-	✓ 10uL-40mL
3b000531	fc19293-2msd	1X	3	W	27	ms57662	1	N	-	✓ 10uL-40mL
3b000532	ecc13-5	-		W	28	-	-	-	-	✓

Matrix: Designate "W" for Water "S" for soil, "O" for Oil, "Liq" for Non-aquous Liquid, and "TCLP" or "SPLP" for Leachate
Manual Integration Rational SOP QA029: MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PII Poor Instrument

Appendix E-4
2024 Quarter 4 Laboratory Data Package

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

e-Hardcopy 2.0
Automated Report

Technical Report for

Bhate Environmental

Griffiss AFB; Rome, NY

GRFIS-BECOS

SGS Job Number: FC21423



Sampling Date: 12/17/24

Report to:

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Birmingham, AL 35205
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atorres@bhate.com
ATTN: Marcia Olive

Total number of pages in report: 212

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 unless noted in the narrative, comments or footnotes.

Norm Farmer
Technical Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL(E83510), LA(03051), KS(E-10327), NC(573), NJ(FL002), NY(12022), SC(96038001) DoD ELAP(ANAB L2229), AZ(AZ0806), CA(2937), TX(T104704404), PA(68-03573), VA(460177), AL, AK, AR, CT, IA, KY, MA, MI. MS, ND, NH, NV, OK, OR, IL, UT, VT, WA, WI, WV

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SGS North America Inc.

Sample Summary

Bhate Environmental

Job No: FC21423

Griffiss AFB; Rome, NY
Project No: GRFIS-BECOS

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FC21423-1	12/17/24	11:32	GW	12/19/24	AQ	Ground Water	789MW-135_1224
FC21423-2	12/17/24	13:32	GW	12/19/24	AQ	Ground Water	789MW-46R_1224
FC21423-3	12/17/24	12:14	GW	12/19/24	AQ	Ground Water	789MW-83_1224
FC21423-4	12/17/24	14:54	GW	12/19/24	AQ	Ground Water	789MW-95_1224
FC21423-5	12/17/24	10:38	GW	12/19/24	AQ	Ground Water	789MW-99_1224
FC21423-6	12/17/24	10:48	GW	12/19/24	AQ	Ground Water	789MW-99_1224-A
FC21423-7	12/17/24	14:28	GW	12/19/24	AQ	Ground Water	789MW-216_1224
FC21423-8	12/17/24	12:44	GW	12/19/24	AQ	Ground Water	789MW-222_1224
FC21423-8D	12/17/24	12:44	GW	12/19/24	AQ	Water Dup/MSD	789MW-222_1224
FC21423-8S	12/17/24	12:44	GW	12/19/24	AQ	Water Matrix Spike	789MW-222_1224
FC21423-9	12/17/24	15:25	GW	12/19/24	AQ	Ground Water	789MW-251_1224
FC21423-10	12/17/24	10:40	GW	12/19/24	AQ	Ground Water	789SW-02_1224
FC21423-11	12/17/24	10:30	GW	12/19/24	AQ	Ground Water	789SW-03_1224

Sample Summary
(continued)

Bhate Environmental

Job No: FC21423

Griffiss AFB; Rome, NY
Project No: GRFIS-BECOS

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FC21423-12	12/17/24	10:20	GW	12/19/24	AQ	Ground Water	789SW-04_1224
FC21423-13	12/17/24	13:45	GW	12/19/24	AQ	Ground Water	789-AB01_1224-D
FC21423-14	12/17/24	00:00	GW	12/19/24	AQ	Ground Water	789-TB01_1224-C

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Bhate Environmental **Job No:** FC21423

Site: Griffiss AFB; Rome, NY **Report Date** 12/30/2024 10:09:49 PM

On 12/19/2024, 14 Sample(s), 0 Trip Blank(s), 0 Equip. Blank(s) and 0 Field Blank(s) were received at SGS North America Inc - Orlando. at a maximum corrected temperature of 2.6 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. - Orlando Job Number of FC21423 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.

MS Volatiles By Method SW846 8260D

Matrix: AQ **Batch ID:** VI3447

Sample(s) FC21423-8MS, FC21423-8MSD were used as the QC samples indicated.

Matrix Spike Recovery(s) for Methyl Bromide are outside control limits. Probable cause is due to matrix interference.

RPD(s) for MSD for Methyl Bromide are outside control limits for sample FC21423-8MSD. Probable cause is due to sample non-homogeneity.

FC21423-1 for 1,1-Dichloroethylene: Associated CCV outside of DOD QSM control limits high, sample is ND.

FC21423-1 for 2-Butanone (MEK): Associated CCV outside of DOD QSM control limits high, sample is ND.

FC21423-1 for 2-Hexanone: Associated CCV outside of DOD QSM control limits high, sample is ND.

FC21423-1 for 4-Methyl-2-pentanone (MIBK): Associated CCV outside of DOD QSM control limits high, sample is ND.

FC21423-1 for Vinyl Acetate: Associated CCV outside of DOD QSM control limits high, sample is ND.

FC21423-2 for 1,1-Dichloroethylene: Associated CCV outside of DOD QSM control limits high, sample is ND.

FC21423-2 for 2-Butanone (MEK): Associated CCV outside of DOD QSM control limits high, sample is ND.

FC21423-2 for 2-Hexanone: Associated CCV outside of DOD QSM control limits high, sample is ND.

FC21423-2 for 4-Methyl-2-pentanone (MIBK): Associated CCV outside of DOD QSM control limits high, sample is ND.

FC21423-2 for Vinyl Acetate: Associated CCV outside of DOD QSM control limits high, sample is ND.

FC21423-3 for 1,1-Dichloroethylene: Associated CCV outside of DOD QSM control limits high, sample is ND.

FC21423-3 for 2-Butanone (MEK): Associated CCV outside of DOD QSM control limits high, sample is ND.

FC21423-3 for 2-Hexanone: Associated CCV outside of DOD QSM control limits high, sample is ND.

FC21423-3 for 4-Methyl-2-pentanone (MIBK): Associated CCV outside of DOD QSM control limits high, sample is ND.

FC21423-3 for Vinyl Acetate: Associated CCV outside of DOD QSM control limits high, sample is ND.

FC21423-4 for 1,1-Dichloroethylene: Associated CCV outside of DOD QSM control limits high, sample is ND.

FC21423-4 for 2-Butanone (MEK): Associated CCV outside of DOD QSM control limits high, sample is ND.

FC21423-4 for 2-Hexanone: Associated CCV outside of DOD QSM control limits high, sample is ND.

FC21423-4 for 4-Methyl-2-pentanone (MIBK): Associated CCV outside of DOD QSM control limits high, sample is ND.

FC21423-4 for Vinyl Acetate: Associated CCV outside of DOD QSM control limits high, sample is ND.

FC21423-5 for 1,1-Dichloroethylene: Associated CCV outside of DOD QSM control limits high, sample is ND.

FC21423-5 for 2-Butanone (MEK): Associated CCV outside of DOD QSM control limits high, sample is ND.

FC21423-5 for 2-Hexanone: Associated CCV outside of DOD QSM control limits high, sample is ND.

FC21423-5 for 4-Methyl-2-pentanone (MIBK): Associated CCV outside of DOD QSM control limits high, sample is ND.

FC21423-5 for Vinyl Acetate: Associated CCV outside of DOD QSM control limits high, sample is ND.

FC21423-6 for 1,1-Dichloroethylene: Associated CCV outside of DOD QSM control limits high, sample is ND.

FC21423-6 for 2-Butanone (MEK): Associated CCV outside of DOD QSM control limits high, sample is ND.

FC21423-6 for 2-Hexanone: Associated CCV outside of DOD QSM control limits high, sample is ND.

FC21423-6 for 4-Methyl-2-pentanone (MIBK): Associated CCV outside of DOD QSM control limits high, sample is ND.

FC21423-6 for Vinyl Acetate: Associated CCV outside of DOD QSM control limits high, sample is ND.

FC21423-7 for 1,1-Dichloroethylene: Associated CCV outside of DOD QSM control limits high, sample is ND.

FC21423-7 for 2-Butanone (MEK): Associated CCV outside of DOD QSM control limits high, sample is ND.

FC21423-7 for 2-Hexanone: Associated CCV outside of DOD QSM control limits high, sample is ND.

FC21423-7 for 4-Methyl-2-pentanone (MIBK): Associated CCV outside of DOD QSM control limits high, sample is ND.

FC21423-7 for Vinyl Acetate: Associated CCV outside of DOD QSM control limits high, sample is ND.

FC21423-8 for 1,1-Dichloroethylene: Associated CCV outside of DOD QSM control limits high, sample is ND.

FC21423-8 for 2-Butanone (MEK): Associated CCV outside of DOD QSM control limits high, sample is ND.

MS Volatiles By Method SW846 8260D

Matrix: AQ **Batch ID:** VI3447

FC21423-8 for 2-Hexanone: Associated CCV outside of DOD QSM control limits high, sample is ND.
FC21423-8 for 4-Methyl-2-pentanone (MIBK): Associated CCV outside of DOD QSM control limits high, sample is ND.
FC21423-8 for Vinyl Acetate: Associated CCV outside of DOD QSM control limits high, sample is ND.
FC21423-9 for 1,1-Dichloroethylene: Associated CCV outside of DOD QSM control limits high, sample is ND.
FC21423-9 for 2-Butanone (MEK): Associated CCV outside of DOD QSM control limits high, sample is ND.
FC21423-9 for 2-Hexanone: Associated CCV outside of DOD QSM control limits high, sample is ND.
FC21423-9 for 4-Methyl-2-pentanone (MIBK): Associated CCV outside of DOD QSM control limits high, sample is ND.
FC21423-9 for Vinyl Acetate: Associated CCV outside of DOD QSM control limits high, sample is ND.
FC21423-10 for 1,1-Dichloroethylene: Associated CCV outside of DOD QSM control limits high, sample is ND.
FC21423-10 for 2-Butanone (MEK): Associated CCV outside of DOD QSM control limits high, sample is ND.
FC21423-10 for 2-Hexanone: Associated CCV outside of DOD QSM control limits high, sample is ND.
FC21423-10 for 4-Methyl-2-pentanone (MIBK): Associated CCV outside of DOD QSM control limits high, sample is ND.
FC21423-10 for Vinyl Acetate: Associated CCV outside of DOD QSM control limits high, sample is ND.
FC21423-11 for 1,1-Dichloroethylene: Associated CCV outside of DOD QSM control limits high, sample is ND.
FC21423-11 for 2-Butanone (MEK): Associated CCV outside of DOD QSM control limits high, sample is ND.
FC21423-11 for 2-Hexanone: Associated CCV outside of DOD QSM control limits high, sample is ND.
FC21423-11 for 4-Methyl-2-pentanone (MIBK): Associated CCV outside of DOD QSM control limits high, sample is ND.
FC21423-11 for Vinyl Acetate: Associated CCV outside of DOD QSM control limits high, sample is ND.
FC21423-12 for 1,1-Dichloroethylene: Associated CCV outside of DOD QSM control limits high, sample is ND.
FC21423-12 for 2-Butanone (MEK): Associated CCV outside of DOD QSM control limits high, sample is ND.
FC21423-12 for 2-Hexanone: Associated CCV outside of DOD QSM control limits high, sample is ND.
FC21423-12 for 4-Methyl-2-pentanone (MIBK): Associated CCV outside of DOD QSM control limits high, sample is ND.
FC21423-12 for Vinyl Acetate: Associated CCV outside of DOD QSM control limits high, sample is ND.
FC21423-13 for 1,1-Dichloroethylene: Associated CCV outside of DOD QSM control limits high, sample is ND.
FC21423-13 for 2-Butanone (MEK): Associated CCV outside of DOD QSM control limits high, sample is ND.
FC21423-13 for 2-Hexanone: Associated CCV outside of DOD QSM control limits high, sample is ND.
FC21423-13 for 4-Methyl-2-pentanone (MIBK): Associated CCV outside of DOD QSM control limits high, sample is ND.
FC21423-13 for Vinyl Acetate: Associated CCV outside of DOD QSM control limits high, sample is ND.
FC21423-14 for 1,1-Dichloroethylene: Associated CCV outside of DOD QSM control limits high, sample is ND.
FC21423-14 for 2-Butanone (MEK): Associated CCV outside of DOD QSM control limits high, sample is ND.
FC21423-14 for 2-Hexanone: Associated CCV outside of DOD QSM control limits high, sample is ND.
FC21423-14 for 4-Methyl-2-pentanone (MIBK): Associated CCV outside of DOD QSM control limits high, sample is ND.
FC21423-14 for Vinyl Acetate: Associated CCV outside of DOD QSM control limits high, sample is ND.

SGS North America Inc. - Orlando 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.- Orlando is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety.

Narrative prepared by:

_____

Kim Benham, Report Generation (signature on file)

Summary of Hits

Job Number: FC21423
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 12/17/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FC21423-1	**789MW-135_1224**					
No hits reported in this sample.						
FC21423-2	**789MW-46R_1224**					
Carbon Disulfide		0.67 J	2.0	1.0	ug/l	SW846 8260D
FC21423-3	**789MW-83_1224**					
No hits reported in this sample.						
FC21423-4	**789MW-95_1224**					
No hits reported in this sample.						
FC21423-5	**789MW-99_1224**					
Benzene		1.4	1.0	0.50	ug/l	SW846 8260D
sec-Butylbenzene		0.66 J	1.0	0.50	ug/l	SW846 8260D
Ethylbenzene		0.62 J	1.0	0.50	ug/l	SW846 8260D
Isopropylbenzene		0.59 J	1.0	0.50	ug/l	SW846 8260D
Naphthalene		1.8 J	5.0	2.0	ug/l	SW846 8260D
n-Propylbenzene		0.95 J	1.0	0.50	ug/l	SW846 8260D
Toluene		0.48 J	1.0	0.50	ug/l	SW846 8260D
FC21423-6	**789MW-99_1224-A**					
Benzene		1.1	1.0	0.50	ug/l	SW846 8260D
sec-Butylbenzene		0.43 J	1.0	0.50	ug/l	SW846 8260D
Isopropylbenzene		0.40 J	1.0	0.50	ug/l	SW846 8260D
Naphthalene		1.5 J	5.0	2.0	ug/l	SW846 8260D
n-Propylbenzene		0.61 J	1.0	0.50	ug/l	SW846 8260D
Toluene		0.38 J	1.0	0.50	ug/l	SW846 8260D
FC21423-7	**789MW-216_1224**					
No hits reported in this sample.						
FC21423-8	**789MW-222_1224**					
No hits reported in this sample.						

Summary of Hits

Job Number: FC21423
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 12/17/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FC21423-9	**789MW-251_1224**					
Acetone		289	25	20	ug/l	SW846 8260D
Benzene		3.9	1.0	0.50	ug/l	SW846 8260D
Toluene		0.81 J	1.0	0.50	ug/l	SW846 8260D
1,2,4-Trimethylbenzene		0.59 J	1.0	0.50	ug/l	SW846 8260D
m,p-Xylene		0.63 J	2.0	1.0	ug/l	SW846 8260D
Xylene (total)		0.86 J	3.0	1.5	ug/l	SW846 8260D

FC21423-10 **789SW-02_1224**

No hits reported in this sample.

FC21423-11 **789SW-03_1224**

No hits reported in this sample.

FC21423-12 **789SW-04_1224**

No hits reported in this sample.

FC21423-13 **789-AB01_1224-D**

No hits reported in this sample.

FC21423-14 **789-TB01_1224-C**

No hits reported in this sample.

Sample Results

Report of Analysis

SGS North America Inc.

Report of Analysis

Client Sample ID:	789MW-135_1224		
Lab Sample ID:	FC21423-1	**Date Sampled:**	12/17/24
Matrix:	AQ - Ground Water	**Date Received:**	12/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I768790.D	1	12/23/24 12:28	DW	n/a	n/a	VI3447
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK) [a]	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene [a]	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789MW-135_1224		
Lab Sample ID:	FC21423-1	**Date Sampled:**	12/17/24
Matrix:	AQ - Ground Water	**Date Received:**	12/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone [a]	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIB [a]	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate [a]	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		83-118%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789MW-135_1224		
Lab Sample ID:	FC21423-1	**Date Sampled:**	12/17/24
Matrix:	AQ - Ground Water	**Date Received:**	12/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	107%		79-125%
2037-26-5	Toluene-D8	97%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

(a) Associated CCV outside of DOD QSM control limits high, sample is ND.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	789MW-46R_1224		
Lab Sample ID:	FC21423-2	**Date Sampled:**	12/17/24
Matrix:	AQ - Ground Water	**Date Received:**	12/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I768791.D	1	12/23/24 12:52	DW	n/a	n/a	VI3447
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK) [a]	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	0.67	2.0	1.0	0.53	ug/l	J
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene [a]	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789MW-46R_1224		
Lab Sample ID:	FC21423-2	**Date Sampled:**	12/17/24
Matrix:	AQ - Ground Water	**Date Received:**	12/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone [a]	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIB [a]	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate [a]	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		83-118%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789MW-46R_1224		
Lab Sample ID:	FC21423-2	**Date Sampled:**	12/17/24
Matrix:	AQ - Ground Water	**Date Received:**	12/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	107%		79-125%
2037-26-5	Toluene-D8	97%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

(a) Associated CCV outside of DOD QSM control limits high, sample is ND.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	789MW-83_1224		
Lab Sample ID:	FC21423-3	**Date Sampled:**	12/17/24
Matrix:	AQ - Ground Water	**Date Received:**	12/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I768792.D	1	12/23/24 13:16	DW	n/a	n/a	VI3447
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK) [a]	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene [a]	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789MW-83_1224		
Lab Sample ID:	FC21423-3	**Date Sampled:**	12/17/24
Matrix:	AQ - Ground Water	**Date Received:**	12/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone [a]	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIB [a]	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate [a]	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		83-118%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789MW-83_1224		
Lab Sample ID:	FC21423-3	**Date Sampled:**	12/17/24
Matrix:	AQ - Ground Water	**Date Received:**	12/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	108%		79-125%
2037-26-5	Toluene-D8	98%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

(a) Associated CCV outside of DOD QSM control limits high, sample is ND.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	789MW-95_1224		
Lab Sample ID:	FC21423-4	**Date Sampled:**	12/17/24
Matrix:	AQ - Ground Water	**Date Received:**	12/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I768793.D	1	12/23/24 13:40	DW	n/a	n/a	VI3447
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK) [a]	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene [a]	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789MW-95_1224		
Lab Sample ID:	FC21423-4	**Date Sampled:**	12/17/24
Matrix:	AQ - Ground Water	**Date Received:**	12/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone [a]	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIB [a]	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate [a]	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		83-118%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789MW-95_1224		
Lab Sample ID:	FC21423-4	**Date Sampled:**	12/17/24
Matrix:	AQ - Ground Water	**Date Received:**	12/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	106%		79-125%
2037-26-5	Toluene-D8	98%		85-112%
460-00-4	4-Bromofluorobenzene	101%		83-118%

(a) Associated CCV outside of DOD QSM control limits high, sample is ND.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: 789MW-99_1224
Lab Sample ID: FC21423-5
Matrix: AQ - Ground Water
Method: SW846 8260D
Project: Griffiss AFB; Rome, NY

Date Sampled: 12/17/24
Date Received: 12/19/24
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I768794.D	1	12/23/24 14:04	DW	n/a	n/a	VI3447
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	1.4	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK) [a]	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.66	1.0	0.50	0.24	ug/l	J
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene [a]	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation DL = Detection 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:	789MW-99_1224		
Lab Sample ID:	FC21423-5	**Date Sampled:**	12/17/24
Matrix:	AQ - Ground Water	**Date Received:**	12/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.62	1.0	0.50	0.36	ug/l	J
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone [a]	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.59	1.0	0.50	0.22	ug/l	J
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIB [a]	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	1.8	5.0	2.0	1.0	ug/l	J
103-65-1	n-Propylbenzene	0.95	1.0	0.50	0.29	ug/l	J
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.48	1.0	0.50	0.30	ug/l	J
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate [a]	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		83-118%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789MW-99_1224		
Lab Sample ID:	FC21423-5	**Date Sampled:**	12/17/24
Matrix:	AQ - Ground Water	**Date Received:**	12/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	107%		79-125%
2037-26-5	Toluene-D8	99%		85-112%
460-00-4	4-Bromofluorobenzene	99%		83-118%

(a) Associated CCV outside of DOD QSM control limits high, sample is ND.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	789MW-99_1224-A		
Lab Sample ID:	FC21423-6	**Date Sampled:**	12/17/24
Matrix:	AQ - Ground Water	**Date Received:**	12/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I768795.D	1	12/23/24 14:28	DW	n/a	n/a	VI3447
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	1.1	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK) [a]	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.43	1.0	0.50	0.24	ug/l	J
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene [a]	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789MW-99_1224-A		
Lab Sample ID:	FC21423-6	**Date Sampled:**	12/17/24
Matrix:	AQ - Ground Water	**Date Received:**	12/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone [a]	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.40	1.0	0.50	0.22	ug/l	J
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIB [a]	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	1.5	5.0	2.0	1.0	ug/l	J
103-65-1	n-Propylbenzene	0.61	1.0	0.50	0.29	ug/l	J
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.38	1.0	0.50	0.30	ug/l	J
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate [a]	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		83-118%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789MW-99_1224-A		
Lab Sample ID:	FC21423-6	**Date Sampled:**	12/17/24
Matrix:	AQ - Ground Water	**Date Received:**	12/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	107%		79-125%
2037-26-5	Toluene-D8	100%		85-112%
460-00-4	4-Bromofluorobenzene	101%		83-118%

(a) Associated CCV outside of DOD QSM control limits high, sample is ND.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	789MW-216_1224		
Lab Sample ID:	FC21423-7	**Date Sampled:**	12/17/24
Matrix:	AQ - Ground Water	**Date Received:**	12/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I768796.D	1	12/23/24 14:53	DW	n/a	n/a	VI3447
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK) [a]	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene [a]	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789MW-216_1224		
Lab Sample ID:	FC21423-7	**Date Sampled:**	12/17/24
Matrix:	AQ - Ground Water	**Date Received:**	12/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone [a]	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIB [a]	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate [a]	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		83-118%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789MW-216_1224		
Lab Sample ID:	FC21423-7	**Date Sampled:**	12/17/24
Matrix:	AQ - Ground Water	**Date Received:**	12/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	106%		79-125%
2037-26-5	Toluene-D8	97%		85-112%
460-00-4	4-Bromofluorobenzene	101%		83-118%

(a) Associated CCV outside of DOD QSM control limits high, sample is ND.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	789MW-222_1224		
Lab Sample ID:	FC21423-8	**Date Sampled:**	12/17/24
Matrix:	AQ - Ground Water	**Date Received:**	12/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I768797.D	1	12/23/24 15:17	DW	n/a	n/a	VI3447
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK) [a]	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene [a]	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789MW-222_1224		
Lab Sample ID:	FC21423-8	**Date Sampled:**	12/17/24
Matrix:	AQ - Ground Water	**Date Received:**	12/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone [a]	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIB [a]	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate [a]	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		83-118%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789MW-222_1224		
Lab Sample ID:	FC21423-8	**Date Sampled:**	12/17/24
Matrix:	AQ - Ground Water	**Date Received:**	12/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	108%		79-125%
2037-26-5	Toluene-D8	98%		85-112%
460-00-4	4-Bromofluorobenzene	101%		83-118%

(a) Associated CCV outside of DOD QSM control limits high, sample is ND.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	789MW-251_1224		
Lab Sample ID:	FC21423-9	**Date Sampled:**	12/17/24
Matrix:	AQ - Ground Water	**Date Received:**	12/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I768798.D	1	12/23/24 15:41	DW	n/a	n/a	VI3447
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	289	25	20	10	ug/l	
71-43-2	Benzene	3.9	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK) [a]	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene [a]	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789MW-251_1224		
Lab Sample ID:	FC21423-9	**Date Sampled:**	12/17/24
Matrix:	AQ - Ground Water	**Date Received:**	12/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone [a]	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIB [a]	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.81	1.0	0.50	0.30	ug/l	J
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.59	1.0	0.50	0.32	ug/l	J
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate [a]	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	0.63	2.0	1.0	0.47	ug/l	J
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	0.86	3.0	1.5	0.72	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		83-118%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789MW-251_1224		
Lab Sample ID:	FC21423-9	**Date Sampled:**	12/17/24
Matrix:	AQ - Ground Water	**Date Received:**	12/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	109%		79-125%
2037-26-5	Toluene-D8	97%		85-112%
460-00-4	4-Bromofluorobenzene	102%		83-118%

(a) Associated CCV outside of DOD QSM control limits high, sample is ND.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	789SW-02_1224		
Lab Sample ID:	FC21423-10	**Date Sampled:**	12/17/24
Matrix:	AQ - Ground Water	**Date Received:**	12/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I768799.D	1	12/23/24 16:05	DW	n/a	n/a	VI3447
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK) [a]	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene [a]	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789SW-02_1224		
Lab Sample ID:	FC21423-10	**Date Sampled:**	12/17/24
Matrix:	AQ - Ground Water	**Date Received:**	12/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone [a]	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIB [a]	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate [a]	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		83-118%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789SW-02_1224		
Lab Sample ID:	FC21423-10	**Date Sampled:**	12/17/24
Matrix:	AQ - Ground Water	**Date Received:**	12/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	106%		79-125%
2037-26-5	Toluene-D8	97%		85-112%
460-00-4	4-Bromofluorobenzene	101%		83-118%

(a) Associated CCV outside of DOD QSM control limits high, sample is ND.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	789SW-03_1224		
Lab Sample ID:	FC21423-11	**Date Sampled:**	12/17/24
Matrix:	AQ - Ground Water	**Date Received:**	12/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I768800.D	1	12/23/24 16:29	DW	n/a	n/a	VI3447
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK) [a]	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene [a]	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789SW-03_1224		
Lab Sample ID:	FC21423-11	**Date Sampled:**	12/17/24
Matrix:	AQ - Ground Water	**Date Received:**	12/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone [a]	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIB [a]	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate [a]	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		83-118%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789SW-03_1224		
Lab Sample ID:	FC21423-11	**Date Sampled:**	12/17/24
Matrix:	AQ - Ground Water	**Date Received:**	12/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	107%		79-125%
2037-26-5	Toluene-D8	98%		85-112%
460-00-4	4-Bromofluorobenzene	101%		83-118%

(a) Associated CCV outside of DOD QSM control limits high, sample is ND.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	789SW-04_1224		
Lab Sample ID:	FC21423-12	**Date Sampled:**	12/17/24
Matrix:	AQ - Ground Water	**Date Received:**	12/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I768801.D	1	12/23/24 16:53	DW	n/a	n/a	VI3447
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK) [a]	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene [a]	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789SW-04_1224		
Lab Sample ID:	FC21423-12	**Date Sampled:**	12/17/24
Matrix:	AQ - Ground Water	**Date Received:**	12/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone [a]	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIB [a]	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate [a]	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		83-118%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789SW-04_1224		
Lab Sample ID:	FC21423-12	**Date Sampled:**	12/17/24
Matrix:	AQ - Ground Water	**Date Received:**	12/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	106%		79-125%
2037-26-5	Toluene-D8	98%		85-112%
460-00-4	4-Bromofluorobenzene	101%		83-118%

(a) Associated CCV outside of DOD QSM control limits high, sample is ND.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	789-AB01_1224-D		
Lab Sample ID:	FC21423-13	**Date Sampled:**	12/17/24
Matrix:	AQ - Ground Water	**Date Received:**	12/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I768802.D	1	12/23/24 17:18	DW	n/a	n/a	VI3447
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK) [a]	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene [a]	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789-AB01_1224-D		
Lab Sample ID:	FC21423-13	**Date Sampled:**	12/17/24
Matrix:	AQ - Ground Water	**Date Received:**	12/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone [a]	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIB [a]	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate [a]	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		83-118%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789-AB01_1224-D		
Lab Sample ID:	FC21423-13	**Date Sampled:**	12/17/24
Matrix:	AQ - Ground Water	**Date Received:**	12/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	107%		79-125%
2037-26-5	Toluene-D8	98%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

(a) Associated CCV outside of DOD QSM control limits high, sample is ND.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	789-TB01_1224-C		
Lab Sample ID:	FC21423-14	**Date Sampled:**	12/17/24
Matrix:	AQ - Ground Water	**Date Received:**	12/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I768803.D	1	12/23/24 17:42	DW	n/a	n/a	VI3447
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK) [a]	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene [a]	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789-TB01_1224-C		
Lab Sample ID:	FC21423-14	**Date Sampled:**	12/17/24
Matrix:	AQ - Ground Water	**Date Received:**	12/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone [a]	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIB [a]	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate [a]	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		83-118%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection 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:	789-TB01_1224-C		
Lab Sample ID:	FC21423-14	**Date Sampled:**	12/17/24
Matrix:	AQ - Ground Water	**Date Received:**	12/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	107%		79-125%
2037-26-5	Toluene-D8	98%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

(a) Associated CCV outside of DOD QSM control limits high, sample is ND.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5.x Limits

CHAIN-OF-CUSTODY RECORD

BEAB
Todd Calhoun
445 Union Boulevard, Suite 129 Lakewood, CO 80228
Please add area code, 720.463.3906, , add e-mail

COC # SS067GW24Q4

Project Name: Griffiss Air Force Base, BECOS	Laboratory: SGS North America, Inc., Orlando, FL	Event: 2024 Griffiss Petro Q4
Project Number: GRFIS-BECOS	POC: Jean Dent-Smith, 407-425-6700 x 14911, jean.dent-smith@sgs.com	FC21423
WBS Code:	Ship to: 4405 Vineland Road, Suite C-15, Orlando FL 32811	

Comments:
SW8260D (A) = VOCs SGS

Equipment:

Code	Matrix
WG	Ground Water
WQ	Water Quality Control Matrix

Code	Container/Preservative
31	3x 40 mL glass volatile vials, HCl to pH < 2; Cool to 0-6 °C; no headspace

Event: 2024 Griffiss Petro Q4

	Sample ID	Matrix	Date	Time	Samp Init.	Analytical Test Method: SW8260D (A)	Location ID	Sample Type	Depth (ft bgs) Top	Depth (ft bgs) Bottom	Cooler	Comments
						31						
1	789MW-135_1224 (1)	WG	12/17/24	1132	GW	X	WL-789MW-135	N1	23.00	33.00	1	
2	789MW-46R_1224 (2)	WG	12/17/24	1332	GW	X	WL-789MW-46R	N1	14.00	29.00	1	
3	789MW-83_1224 (3)	WG	12/17/24	1214	GW	X	WL-789MW-83	N1	21.00	31.00	1	
4	789MW-95_1224 (4)	WG	12/17/24	1454	GW	X	WL-789MW-95	N1	10.50	20.50	1	
5	789MW-98_1224	WG	12/17/24		GW	X	WL-789MW-98	N1	10.00	20.00	1	Not sampled - Jet fuel
6	789MW-99_1224 (5)	WG	12/17/24	1038	GW	X	WL-789MW-99	N1	14.50	24.50	1	
7	789MW-99_1224-A (6)	WG	12/17/24	1048	GW	X	WL-789MW-99	FD1	14.50	24.50	1	
8	789MW-102_1224	WG				X	WL-789MW-102	N1	5	15	1	Not sampled - Jet fuel
9	789MW-216_1224 (7)	WG	12/17/24	1428	GW	X	WL-789MW-216	N1	19.00	29.00	1	
10	789MW-222_1224 (8)	WG	12/17/24	1244	GW	X	WL-789MW-222	N1	18.00	28.00	1	
11	789MW-222_1224-MS (8)	WG	12/17/24	1244	GW	X	WL-789MW-222	MS1	18.00	28.00	1	
12	789MW-222_1224-SD (8)	WG	12/17/24	1244	GW	X	WL-789MW-222	SD1	18.00	28.00	1	
13	789MW-251_1224 (9)	WG	12/17/24	1525	GW	X	WL-789MW-251	N1	4.80	29.80	1	
14	789SW-02_1224 (10)	WG	12/17/24	1040	GW	X	789SW-02	N1	0.00	0.00	1	

SP

INITIAL ASSESSMENT SP
LABEL VERIFICATION ZB

2.8 IR#1

Relinquished by: *(Signature)*
Date
Time
Received by: *(Signature)*

Date
Time
Shipping Date:
Received by Laboratory: *(Signature, Date, Time)* & conditio 12/19/24, 1045

GRFIS_COC_2024 Griffiss Petro 4Q - blank.xlsx

FC21423: Chain of Custody
Page 1 of 3

CHAIN-OF-CUSTODY RECORD

BEAB
Todd Calhoun
445 Union Boulevard, Suite 129 Lakewood, CO 80228
Please add area code, 720.463.3906, , add e-mail

COC # SS067GW24Q4

FC21423

15	789SW-03_1224	11	WG	12/17/24	1030	GW	X									789SW-03	N1	0.00	0.00	1	
16	789SW-04_1224	12	WG	12/17/24	1020	GW	X									789SW-04	N1	0.00	0.00	1	
17	789-AB01_1224-D	13	WQ	12/17/24	1345	GW	X									FIELDQC	AB1	0.00	0.00	1	
18	789-TB01_1224-C	14	WQ	12/17/24		GW	X									FIELDQC	TB1	0.00	0.00	1	Preserved

Turnaround Time: 21 days

Relinquished by: *(Signature)*
Date 12/18/24
Time 1030
Received by: *(Signature)*
GRFIS_COC_2024 Griffiss Petro 4Q - blank.xlsx

Date
Time
Shipping Date:
Received by Laboratory: ***(Signature, Date, Time)*** & conditio 12/19/24 1045

5.1
5

FC21423: Chain of Custody
Page 2 of 3

SGS - Orlando Sample Receipt Summary

Job Number: fc21423 **Client:** BEAB **Project:** GRIFFIS AFB

Date / Time Received: 12/19/2024 10:45:00 AM **Delivery Method:** FED EX **Airbill #'s:** 4004 9005 5783

Cooler Temps (Raw Measured) °C: Cooler 1: (2.8);

Cooler Temps (Corrected) °C: Cooler 1: (2.6);

Cooler Information	Y	or	N
1. Custody Seals Present:	☑		☐
2. Custody Seals Intact:	☑		☐
3. Temp criteria achieved:	☑		☐
4. Cooler temp verification:	IR Gun		
5. Cooler media:	Ice (Bag)		

Trip Blank Information	Y	or	N	N/A
1. Trip Blank present / cooler:	☑		☐	☐
2. Trip Blank listed on COC:	☑		☐	☐

	W	or	S	N/A
3. Type of TB Received	☑		☐	☐

Sample Information	Y	or	N	N/A
1. Sample labels present on bottles:	☑		☐	
2. Samples presented properly	☑		☐	
3. Sufficient volume/containers recv'd for analysis	☑		☐	
4. Condition of sample:	Intact			
5. Sample recv'd within HT	☑		☐	
6. Dates/Times/IDs on COC match sample label	☑		☐	
7. VOCs have headspace	☐		☑	☐
8. Bottles received for unspecified tests	☐		☑	
9. Compositing instructions clear	☐		☐	☑
10. Voa Soil Kits/Jars received past 48hrs?	☐		☐	☑
11. % Solids Jar Received?	☐		☐	☑
12. Residual Chlorine Present?	☐		☐	☑

Misc Information

Number of Encores: 25 Gram 5 Gram

Number of Lab Filtered Metals:

Test Strip Lot #s: pH 0-3: 226422 pH 10-12: Other: (Specify) 0-12 211623A

Residual Chlorine Test Strip Lot #

Comments

Sample Receipt Summary 112723 EK Technician: SHAYLAP Date: 12/19/2024 4:45:47 PM Reviewer: Date:

QC Evaluation: DOD QSM5.x Limits

Job Number: FC21423
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 12/17/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VI3447	SW846 8260D						
VI3447-BS	67-64-1	Acetone	BSP	REC	118	%	39-160
VI3447-BS	71-43-2	Benzene	BSP	REC	98	%	79-120
VI3447-BS	108-86-1	Bromobenzene	BSP	REC	96	%	80-120
VI3447-BS	74-97-5	Bromochloromethane	BSP	REC	95	%	78-123
VI3447-BS	75-27-4	Bromodichloromethane	BSP	REC	94	%	79-125
VI3447-BS	75-25-2	Bromoform	BSP	REC	81	%	66-130
VI3447-BS	78-93-3	2-Butanone (MEK)	BSP	REC	108	%	56-143
VI3447-BS	104-51-8	n-Butylbenzene	BSP	REC	107	%	75-128
VI3447-BS	135-98-8	sec-Butylbenzene	BSP	REC	91	%	77-126
VI3447-BS	98-06-6	tert-Butylbenzene	BSP	REC	94	%	78-124
VI3447-BS	75-15-0	Carbon Disulfide	BSP	REC	82	%	64-133
VI3447-BS	56-23-5	Carbon Tetrachloride	BSP	REC	89	%	72-136
VI3447-BS	108-90-7	Chlorobenzene	BSP	REC	98	%	82-118
VI3447-BS	75-00-3	Chloroethane	BSP	REC	82	%	60-138
VI3447-BS	67-66-3	Chloroform	BSP	REC	95	%	79-124
VI3447-BS	95-49-8	o-Chlorotoluene	BSP	REC	98	%	79-122
VI3447-BS	106-43-4	p-Chlorotoluene	BSP	REC	96	%	78-122
VI3447-BS	124-48-1	Dibromochloromethane	BSP	REC	94	%	74-126
VI3447-BS	96-12-8	1,2-Dibromo-3-chloropropane	BSP	REC	95	%	62-128
VI3447-BS	106-93-4	1,2-Dibromoethane	BSP	REC	98	%	77-121
VI3447-BS	75-71-8	Dichlorodifluoromethane	BSP	REC	87	%	32-152
VI3447-BS	95-50-1	1,2-Dichlorobenzene	BSP	REC	95	%	80-119
VI3447-BS	541-73-1	1,3-Dichlorobenzene	BSP	REC	95	%	80-119
VI3447-BS	106-46-7	1,4-Dichlorobenzene	BSP	REC	90	%	79-118
VI3447-BS	75-34-3	1,1-Dichloroethane	BSP	REC	96	%	77-125
VI3447-BS	107-06-2	1,2-Dichloroethane	BSP	REC	111	%	73-128
VI3447-BS	75-35-4	1,1-Dichloroethylene	BSP	REC	95	%	71-131
VI3447-BS	156-59-2	cis-1,2-Dichloroethylene	BSP	REC	90	%	78-123
VI3447-BS	156-60-5	trans-1,2-Dichloroethylene	BSP	REC	99	%	75-124
VI3447-BS	540-59-0	1,2-Dichloroethene (total)	BSP	REC	94	%	79-121
VI3447-BS	78-87-5	1,2-Dichloropropane	BSP	REC	107	%	78-122
VI3447-BS	142-28-9	1,3-Dichloropropane	BSP	REC	100	%	80-119
VI3447-BS	594-20-7	2,2-Dichloropropane	BSP	REC	98	%	60-139
VI3447-BS	563-58-6	1,1-Dichloropropene	BSP	REC	109	%	79-125
VI3447-BS	10061-01-5	cis-1,3-Dichloropropene	BSP	REC	98	%	75-124
VI3447-BS	10061-02-6	trans-1,3-Dichloropropene	BSP	REC	95	%	73-127
VI3447-BS	100-41-4	Ethylbenzene	BSP	REC	96	%	79-121
VI3447-BS	87-68-3	Hexachlorobutadiene	BSP	REC	104	%	66-134
VI3447-BS	591-78-6	2-Hexanone	BSP	REC	127	%	57-139
VI3447-BS	98-82-8	Isopropylbenzene	BSP	REC	96	%	72-131
VI3447-BS	99-87-6	p-Isopropyltoluene	BSP	REC	92	%	77-127
VI3447-BS	74-83-9	Methyl Bromide	BSP	REC	95	%	53-141

* Sample used for QC is not from job FC21423

QC Evaluation: DOD QSM5.x Limits

Job Number: FC21423
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 12/17/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VI3447-BS	74-87-3	Methyl Chloride	BSP	REC	91	%	50-139
VI3447-BS	74-95-3	Methylene Bromide	BSP	REC	100	%	79-123
VI3447-BS	75-09-2	Methylene Chloride	BSP	REC	97	%	74-124
VI3447-BS	108-10-1	4-Methyl-2-pentanone (MIBK)	BSP	REC	122	%	67-130
VI3447-BS	1634-04-4	Methyl Tert Butyl Ether	BSP	REC	90	%	71-124
VI3447-BS	91-20-3	Naphthalene	BSP	REC	91	%	61-128
VI3447-BS	103-65-1	n-Propylbenzene	BSP	REC	100	%	76-126
VI3447-BS	100-42-5	Styrene	BSP	REC	100	%	78-123
VI3447-BS	630-20-6	1,1,1,2-Tetrachloroethane	BSP	REC	94	%	78-124
VI3447-BS	79-34-5	1,1,2,2-Tetrachloroethane	BSP	REC	93	%	71-121
VI3447-BS	127-18-4	Tetrachloroethylene	BSP	REC	97	%	74-129
VI3447-BS	108-88-3	Toluene	BSP	REC	91	%	80-121
VI3447-BS	87-61-6	1,2,3-Trichlorobenzene	BSP	REC	98	%	69-129
VI3447-BS	120-82-1	1,2,4-Trichlorobenzene	BSP	REC	96	%	69-130
VI3447-BS	71-55-6	1,1,1-Trichloroethane	BSP	REC	92	%	74-131
VI3447-BS	79-00-5	1,1,2-Trichloroethane	BSP	REC	101	%	80-119
VI3447-BS	79-01-6	Trichloroethylene	BSP	REC	95	%	79-123
VI3447-BS	75-69-4	Trichlorofluoromethane	BSP	REC	77	%	65-141
VI3447-BS	96-18-4	1,2,3-Trichloropropane	BSP	REC	97	%	73-122
VI3447-BS	95-63-6	1,2,4-Trimethylbenzene	BSP	REC	99	%	76-124
VI3447-BS	108-67-8	1,3,5-Trimethylbenzene	BSP	REC	96	%	75-124
VI3447-BS	108-05-4	Vinyl Acetate	BSP	REC	120	%	54-146
VI3447-BS	75-01-4	Vinyl Chloride	BSP	REC	102	%	58-137
VI3447-BS		m,p-Xylene	BSP	REC	97	%	80-121
VI3447-BS	95-47-6	o-Xylene	BSP	REC	94	%	78-122
VI3447-BS	1330-20-7	Xylene (total)	BSP	REC	96	%	79-121
VI3447-BS	1868-53-7	Dibromofluoromethane	BSP	SURR	95	%	80-119
VI3447-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	111	%	81-118
VI3447-BS	2037-26-5	Toluene-D8	BSP	SURR	98	%	89-112
VI3447-BS	460-00-4	4-Bromofluorobenzene	BSP	SURR	104	%	85-114
FC21423-8MS	67-64-1	Acetone	MS	REC	108	%	39-160
FC21423-8MS	71-43-2	Benzene	MS	REC	96	%	79-120
FC21423-8MS	108-86-1	Bromobenzene	MS	REC	88	%	80-120
FC21423-8MS	74-97-5	Bromochloromethane	MS	REC	96	%	78-123
FC21423-8MS	75-27-4	Bromodichloromethane	MS	REC	90	%	79-125
FC21423-8MS	75-25-2	Bromoform	MS	REC	68	%	66-130
FC21423-8MS	78-93-3	2-Butanone (MEK)	MS	REC	106	%	56-143
FC21423-8MS	104-51-8	n-Butylbenzene	MS	REC	93	%	75-128
FC21423-8MS	135-98-8	sec-Butylbenzene	MS	REC	84	%	77-126
FC21423-8MS	98-06-6	tert-Butylbenzene	MS	REC	85	%	78-124
FC21423-8MS	75-15-0	Carbon Disulfide	MS	REC	76	%	64-133
FC21423-8MS	56-23-5	Carbon Tetrachloride	MS	REC	88	%	72-136
FC21423-8MS	108-90-7	Chlorobenzene	MS	REC	91	%	82-118
FC21423-8MS	75-00-3	Chloroethane	MS	REC	88	%	60-138
FC21423-8MS	67-66-3	Chloroform	MS	REC	94	%	79-124

* Sample used for QC is not from job FC21423

QC Evaluation: DOD QSM5.x Limits

Job Number: FC21423
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 12/17/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FC21423-8MS	95-49-8	o-Chlorotoluene	MS	REC	90	%	79-122
FC21423-8MS	106-43-4	p-Chlorotoluene	MS	REC	88	%	78-122
FC21423-8MS	124-48-1	Dibromochloromethane	MS	REC	84	%	74-126
FC21423-8MS	96-12-8	1,2-Dibromo-3-chloropropane	MS	REC	84	%	62-128
FC21423-8MS	106-93-4	1,2-Dibromoethane	MS	REC	89	%	77-121
FC21423-8MS	75-71-8	Dichlorodifluoromethane	MS	REC	93	%	32-152
FC21423-8MS	95-50-1	1,2-Dichlorobenzene	MS	REC	87	%	80-119
FC21423-8MS	541-73-1	1,3-Dichlorobenzene	MS	REC	86	%	80-119
FC21423-8MS	106-46-7	1,4-Dichlorobenzene	MS	REC	84	%	79-118
FC21423-8MS	75-34-3	1,1-Dichloroethane	MS	REC	95	%	77-125
FC21423-8MS	107-06-2	1,2-Dichloroethane	MS	REC	106	%	73-128
FC21423-8MS	75-35-4	1,1-Dichloroethylene	MS	REC	93	%	71-131
FC21423-8MS	156-59-2	cis-1,2-Dichloroethylene	MS	REC	83	%	78-123
FC21423-8MS	156-60-5	trans-1,2-Dichloroethylene	MS	REC	98	%	75-124
FC21423-8MS	540-59-0	1,2-Dichloroethene (total)	MS	REC	91	%	79-121
FC21423-8MS	78-87-5	1,2-Dichloropropane	MS	REC	103	%	78-122
FC21423-8MS	142-28-9	1,3-Dichloropropane	MS	REC	91	%	80-119
FC21423-8MS	594-20-7	2,2-Dichloropropane	MS	REC	90	%	60-139
FC21423-8MS	563-58-6	1,1-Dichloropropene	MS	REC	107	%	79-125
FC21423-8MS	10061-01-5	cis-1,3-Dichloropropene	MS	REC	86	%	75-124
FC21423-8MS	10061-02-6	trans-1,3-Dichloropropene	MS	REC	80	%	73-127
FC21423-8MS	100-41-4	Ethylbenzene	MS	REC	90	%	79-121
FC21423-8MS	87-68-3	Hexachlorobutadiene	MS	REC	86	%	66-134
FC21423-8MS	591-78-6	2-Hexanone	MS	REC	124	%	57-139
FC21423-8MS	98-82-8	Isopropylbenzene	MS	REC	90	%	72-131
FC21423-8MS	99-87-6	p-Isopropyltoluene	MS	REC	83	%	77-127
FC21423-8MS	74-83-9	Methyl Bromide	MS	REC	52	%	53-141
FC21423-8MS	74-87-3	Methyl Chloride	MS	REC	90	%	50-139
FC21423-8MS	74-95-3	Methylene Bromide	MS	REC	96	%	79-123
FC21423-8MS	75-09-2	Methylene Chloride	MS	REC	96	%	74-124
FC21423-8MS	108-10-1	4-Methyl-2-pentanone (MIBK)	MS	REC	119	%	67-130
FC21423-8MS	1634-04-4	Methyl Tert Butyl Ether	MS	REC	84	%	71-124
FC21423-8MS	91-20-3	Naphthalene	MS	REC	79	%	61-128
FC21423-8MS	103-65-1	n-Propylbenzene	MS	REC	92	%	76-126
FC21423-8MS	100-42-5	Styrene	MS	REC	91	%	78-123
FC21423-8MS	630-20-6	1,1,1,2-Tetrachloroethane	MS	REC	85	%	78-124
FC21423-8MS	79-34-5	1,1,2,2-Tetrachloroethane	MS	REC	90	%	71-121
FC21423-8MS	127-18-4	Tetrachloroethylene	MS	REC	88	%	74-129
FC21423-8MS	108-88-3	Toluene	MS	REC	85	%	80-121
FC21423-8MS	87-61-6	1,2,3-Trichlorobenzene	MS	REC	84	%	69-129
FC21423-8MS	120-82-1	1,2,4-Trichlorobenzene	MS	REC	82	%	69-130
FC21423-8MS	71-55-6	1,1,1-Trichloroethane	MS	REC	92	%	74-131
FC21423-8MS	79-00-5	1,1,2-Trichloroethane	MS	REC	94	%	80-119
FC21423-8MS	79-01-6	Trichloroethylene	MS	REC	90	%	79-123
FC21423-8MS	75-69-4	Trichlorofluoromethane	MS	REC	85	%	65-141

* Sample used for QC is not from job FC21423

QC Evaluation: DOD QSM5.x Limits

Job Number: FC21423
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 12/17/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FC21423-8MS	96-18-4	1,2,3-Trichloropropane	MS	REC	88	%	73-122
FC21423-8MS	95-63-6	1,2,4-Trimethylbenzene	MS	REC	91	%	76-124
FC21423-8MS	108-67-8	1,3,5-Trimethylbenzene	MS	REC	89	%	75-124
FC21423-8MS	108-05-4	Vinyl Acetate	MS	REC	119	%	54-146
FC21423-8MS	75-01-4	Vinyl Chloride	MS	REC	108	%	58-137
FC21423-8MS		m,p-Xylene	MS	REC	90	%	80-121
FC21423-8MS	95-47-6	o-Xylene	MS	REC	88	%	78-122
FC21423-8MS	1330-20-7	Xylene (total)	MS	REC	90	%	79-121
FC21423-8MS	1868-53-7	Dibromofluoromethane	MS	SURR	96	%	80-119
FC21423-8MS	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	108	%	81-118
FC21423-8MS	2037-26-5	Toluene-D8	MS	SURR	94	%	89-112
FC21423-8MS	460-00-4	4-Bromofluorobenzene	MS	SURR	101	%	85-114
FC21423-8MSD	67-64-1	Acetone	MSD	REC	110	%	39-160
FC21423-8MSD	67-64-1	Acetone	MSD	RPD	2	%	20
FC21423-8MSD	71-43-2	Benzene	MSD	REC	104	%	79-120
FC21423-8MSD	71-43-2	Benzene	MSD	RPD	9	%	20
FC21423-8MSD	108-86-1	Bromobenzene	MSD	REC	96	%	80-120
FC21423-8MSD	108-86-1	Bromobenzene	MSD	RPD	8	%	20
FC21423-8MSD	74-97-5	Bromochloromethane	MSD	REC	100	%	78-123
FC21423-8MSD	74-97-5	Bromochloromethane	MSD	RPD	4	%	20
FC21423-8MSD	75-27-4	Bromodichloromethane	MSD	REC	99	%	79-125
FC21423-8MSD	75-27-4	Bromodichloromethane	MSD	RPD	10	%	20
FC21423-8MSD	75-25-2	Bromoform	MSD	REC	76	%	66-130
FC21423-8MSD	75-25-2	Bromoform	MSD	RPD	12	%	20
FC21423-8MSD	78-93-3	2-Butanone (MEK)	MSD	REC	106	%	56-143
FC21423-8MSD	78-93-3	2-Butanone (MEK)	MSD	RPD	1	%	20
FC21423-8MSD	104-51-8	n-Butylbenzene	MSD	REC	106	%	75-128
FC21423-8MSD	104-51-8	n-Butylbenzene	MSD	RPD	13	%	20
FC21423-8MSD	135-98-8	sec-Butylbenzene	MSD	REC	92	%	77-126
FC21423-8MSD	135-98-8	sec-Butylbenzene	MSD	RPD	10	%	20
FC21423-8MSD	98-06-6	tert-Butylbenzene	MSD	REC	94	%	78-124
FC21423-8MSD	98-06-6	tert-Butylbenzene	MSD	RPD	10	%	20
FC21423-8MSD	75-15-0	Carbon Disulfide	MSD	REC	85	%	64-133
FC21423-8MSD	75-15-0	Carbon Disulfide	MSD	RPD	11	%	20
FC21423-8MSD	56-23-5	Carbon Tetrachloride	MSD	REC	96	%	72-136
FC21423-8MSD	56-23-5	Carbon Tetrachloride	MSD	RPD	9	%	20
FC21423-8MSD	108-90-7	Chlorobenzene	MSD	REC	100	%	82-118
FC21423-8MSD	108-90-7	Chlorobenzene	MSD	RPD	10	%	20
FC21423-8MSD	75-00-3	Chloroethane	MSD	REC	94	%	60-138
FC21423-8MSD	75-00-3	Chloroethane	MSD	RPD	7	%	20
FC21423-8MSD	67-66-3	Chloroform	MSD	REC	100	%	79-124
FC21423-8MSD	67-66-3	Chloroform	MSD	RPD	6	%	20
FC21423-8MSD	95-49-8	o-Chlorotoluene	MSD	REC	99	%	79-122
FC21423-8MSD	95-49-8	o-Chlorotoluene	MSD	RPD	10	%	20
FC21423-8MSD	106-43-4	p-Chlorotoluene	MSD	REC	96	%	78-122

* Sample used for QC is not from job FC21423

QC Evaluation: DOD QSM5.x Limits

Job Number: FC21423
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 12/17/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FC21423-8MSD	106-43-4	p-Chlorotoluene	MSD	RPD	10	%	20
FC21423-8MSD	124-48-1	Dibromochloromethane	MSD	REC	93	%	74-126
FC21423-8MSD	124-48-1	Dibromochloromethane	MSD	RPD	9	%	20
FC21423-8MSD	96-12-8	1,2-Dibromo-3-chloropropane	MSD	REC	96	%	62-128
FC21423-8MSD	96-12-8	1,2-Dibromo-3-chloropropane	MSD	RPD	13	%	20
FC21423-8MSD	106-93-4	1,2-Dibromoethane	MSD	REC	98	%	77-121
FC21423-8MSD	106-93-4	1,2-Dibromoethane	MSD	RPD	9	%	20
FC21423-8MSD	75-71-8	Dichlorodifluoromethane	MSD	REC	93	%	32-152
FC21423-8MSD	75-71-8	Dichlorodifluoromethane	MSD	RPD	0	%	20
FC21423-8MSD	95-50-1	1,2-Dichlorobenzene	MSD	REC	97	%	80-119
FC21423-8MSD	95-50-1	1,2-Dichlorobenzene	MSD	RPD	11	%	20
FC21423-8MSD	541-73-1	1,3-Dichlorobenzene	MSD	REC	94	%	80-119
FC21423-8MSD	541-73-1	1,3-Dichlorobenzene	MSD	RPD	9	%	20
FC21423-8MSD	106-46-7	1,4-Dichlorobenzene	MSD	REC	93	%	79-118
FC21423-8MSD	106-46-7	1,4-Dichlorobenzene	MSD	RPD	10	%	20
FC21423-8MSD	75-34-3	1,1-Dichloroethane	MSD	REC	104	%	77-125
FC21423-8MSD	75-34-3	1,1-Dichloroethane	MSD	RPD	8	%	20
FC21423-8MSD	107-06-2	1,2-Dichloroethane	MSD	REC	117	%	73-128
FC21423-8MSD	107-06-2	1,2-Dichloroethane	MSD	RPD	9	%	20
FC21423-8MSD	75-35-4	1,1-Dichloroethylene	MSD	REC	101	%	71-131
FC21423-8MSD	75-35-4	1,1-Dichloroethylene	MSD	RPD	8	%	20
FC21423-8MSD	156-59-2	cis-1,2-Dichloroethylene	MSD	REC	94	%	78-123
FC21423-8MSD	156-59-2	cis-1,2-Dichloroethylene	MSD	RPD	13	%	20
FC21423-8MSD	156-60-5	trans-1,2-Dichloroethylene	MSD	REC	106	%	75-124
FC21423-8MSD	156-60-5	trans-1,2-Dichloroethylene	MSD	RPD	8	%	20
FC21423-8MSD	540-59-0	1,2-Dichloroethene (total)	MSD	REC	100	%	79-121
FC21423-8MSD	540-59-0	1,2-Dichloroethene (total)	MSD	RPD	10	%	20
FC21423-8MSD	78-87-5	1,2-Dichloropropane	MSD	REC	112	%	78-122
FC21423-8MSD	78-87-5	1,2-Dichloropropane	MSD	RPD	9	%	20
FC21423-8MSD	142-28-9	1,3-Dichloropropane	MSD	REC	102	%	80-119
FC21423-8MSD	142-28-9	1,3-Dichloropropane	MSD	RPD	11	%	20
FC21423-8MSD	594-20-7	2,2-Dichloropropane	MSD	REC	96	%	60-139
FC21423-8MSD	594-20-7	2,2-Dichloropropane	MSD	RPD	7	%	20
FC21423-8MSD	563-58-6	1,1-Dichloropropene	MSD	REC	117	%	79-125
FC21423-8MSD	563-58-6	1,1-Dichloropropene	MSD	RPD	9	%	20
FC21423-8MSD	10061-01-5	cis-1,3-Dichloropropene	MSD	REC	95	%	75-124
FC21423-8MSD	10061-01-5	cis-1,3-Dichloropropene	MSD	RPD	10	%	20
FC21423-8MSD	10061-02-6	trans-1,3-Dichloropropene	MSD	REC	89	%	73-127
FC21423-8MSD	10061-02-6	trans-1,3-Dichloropropene	MSD	RPD	11	%	20
FC21423-8MSD	100-41-4	Ethylbenzene	MSD	REC	98	%	79-121
FC21423-8MSD	100-41-4	Ethylbenzene	MSD	RPD	8	%	20
FC21423-8MSD	87-68-3	Hexachlorobutadiene	MSD	REC	96	%	66-134
FC21423-8MSD	87-68-3	Hexachlorobutadiene	MSD	RPD	10	%	20
FC21423-8MSD	591-78-6	2-Hexanone	MSD	REC	125	%	57-139
FC21423-8MSD	591-78-6	2-Hexanone	MSD	RPD	1	%	20

* Sample used for QC is not from job FC21423

QC Evaluation: DOD QSM5.x Limits

Job Number: FC21423
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 12/17/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FC21423-8MSD	98-82-8	Isopropylbenzene	MSD	REC	98	%	72-131
FC21423-8MSD	98-82-8	Isopropylbenzene	MSD	RPD	9	%	20
FC21423-8MSD	99-87-6	p-Isopropyltoluene	MSD	REC	94	%	77-127
FC21423-8MSD	99-87-6	p-Isopropyltoluene	MSD	RPD	12	%	20
FC21423-8MSD	74-83-9	Methyl Bromide	MSD	REC	68	%	53-141
FC21423-8MSD	74-83-9	Methyl Bromide	MSD	RPD	27	%	20
FC21423-8MSD	74-87-3	Methyl Chloride	MSD	REC	96	%	50-139
FC21423-8MSD	74-87-3	Methyl Chloride	MSD	RPD	6	%	20
FC21423-8MSD	74-95-3	Methylene Bromide	MSD	REC	105	%	79-123
FC21423-8MSD	74-95-3	Methylene Bromide	MSD	RPD	9	%	20
FC21423-8MSD	75-09-2	Methylene Chloride	MSD	REC	100	%	74-124
FC21423-8MSD	75-09-2	Methylene Chloride	MSD	RPD	3	%	20
FC21423-8MSD	108-10-1	4-Methyl-2-pentanone (MIBK)	MSD	REC	122	%	67-130
FC21423-8MSD	108-10-1	4-Methyl-2-pentanone (MIBK)	MSD	RPD	2	%	20
FC21423-8MSD	1634-04-4	Methyl Tert Butyl Ether	MSD	REC	91	%	71-124
FC21423-8MSD	1634-04-4	Methyl Tert Butyl Ether	MSD	RPD	9	%	20
FC21423-8MSD	91-20-3	Naphthalene	MSD	REC	88	%	61-128
FC21423-8MSD	91-20-3	Naphthalene	MSD	RPD	11	%	20
FC21423-8MSD	103-65-1	n-Propylbenzene	MSD	REC	100	%	76-126
FC21423-8MSD	103-65-1	n-Propylbenzene	MSD	RPD	9	%	20
FC21423-8MSD	100-42-5	Styrene	MSD	REC	100	%	78-123
FC21423-8MSD	100-42-5	Styrene	MSD	RPD	10	%	20
FC21423-8MSD	630-20-6	1,1,1,2-Tetrachloroethane	MSD	REC	94	%	78-124
FC21423-8MSD	630-20-6	1,1,1,2-Tetrachloroethane	MSD	RPD	10	%	20
FC21423-8MSD	79-34-5	1,1,2,2-Tetrachloroethane	MSD	REC	100	%	71-121
FC21423-8MSD	79-34-5	1,1,2,2-Tetrachloroethane	MSD	RPD	10	%	20
FC21423-8MSD	127-18-4	Tetrachloroethylene	MSD	REC	94	%	74-129
FC21423-8MSD	127-18-4	Tetrachloroethylene	MSD	RPD	6	%	20
FC21423-8MSD	108-88-3	Toluene	MSD	REC	94	%	80-121
FC21423-8MSD	108-88-3	Toluene	MSD	RPD	10	%	20
FC21423-8MSD	87-61-6	1,2,3-Trichlorobenzene	MSD	REC	94	%	69-129
FC21423-8MSD	87-61-6	1,2,3-Trichlorobenzene	MSD	RPD	11	%	20
FC21423-8MSD	120-82-1	1,2,4-Trichlorobenzene	MSD	REC	91	%	69-130
FC21423-8MSD	120-82-1	1,2,4-Trichlorobenzene	MSD	RPD	11	%	20
FC21423-8MSD	71-55-6	1,1,1-Trichloroethane	MSD	REC	99	%	74-131
FC21423-8MSD	71-55-6	1,1,1-Trichloroethane	MSD	RPD	8	%	20
FC21423-8MSD	79-00-5	1,1,2-Trichloroethane	MSD	REC	103	%	80-119
FC21423-8MSD	79-00-5	1,1,2-Trichloroethane	MSD	RPD	9	%	20
FC21423-8MSD	79-01-6	Trichloroethylene	MSD	REC	97	%	79-123
FC21423-8MSD	79-01-6	Trichloroethylene	MSD	RPD	7	%	20
FC21423-8MSD	75-69-4	Trichlorofluoromethane	MSD	REC	83	%	65-141
FC21423-8MSD	75-69-4	Trichlorofluoromethane	MSD	RPD	2	%	20
FC21423-8MSD	96-18-4	1,2,3-Trichloropropane	MSD	REC	98	%	73-122
FC21423-8MSD	96-18-4	1,2,3-Trichloropropane	MSD	RPD	11	%	20
FC21423-8MSD	95-63-6	1,2,4-Trimethylbenzene	MSD	REC	100	%	76-124

* Sample used for QC is not from job FC21423

QC Evaluation: DOD QSM5.x Limits

Job Number: FC21423
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 12/17/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FC21423-8MSD	95-63-6	1,2,4-Trimethylbenzene	MSD	RPD	9	%	20
FC21423-8MSD	108-67-8	1,3,5-Trimethylbenzene	MSD	REC	97	%	75-124
FC21423-8MSD	108-67-8	1,3,5-Trimethylbenzene	MSD	RPD	9	%	20
FC21423-8MSD	108-05-4	Vinyl Acetate	MSD	REC	120	%	54-146
FC21423-8MSD	108-05-4	Vinyl Acetate	MSD	RPD	1	%	20
FC21423-8MSD	75-01-4	Vinyl Chloride	MSD	REC	116	%	58-137
FC21423-8MSD	75-01-4	Vinyl Chloride	MSD	RPD	8	%	20
FC21423-8MSD		m,p-Xylene	MSD	REC	100	%	80-121
FC21423-8MSD		m,p-Xylene	MSD	RPD	10	%	20
FC21423-8MSD	95-47-6	o-Xylene	MSD	REC	98	%	78-122
FC21423-8MSD	95-47-6	o-Xylene	MSD	RPD	10	%	20
FC21423-8MSD	1330-20-7	Xylene (total)	MSD	REC	99	%	79-121
FC21423-8MSD	1330-20-7	Xylene (total)	MSD	RPD	10	%	20
FC21423-8MSD	1868-53-7	Dibromofluoromethane	MSD	SURR	95	%	80-119
FC21423-8MSD	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	112	%	81-118
FC21423-8MSD	2037-26-5	Toluene-D8	MSD	SURR	95	%	89-112
FC21423-8MSD	460-00-4	4-Bromofluorobenzene	MSD	SURR	101	%	85-114
VI3447-MB	1868-53-7	Dibromofluoromethane	MB	SURR	99	%	80-119
VI3447-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	107	%	81-118
VI3447-MB	2037-26-5	Toluene-D8	MB	SURR	98	%	89-112
VI3447-MB	460-00-4	4-Bromofluorobenzene	MB	SURR	102	%	85-114
FC21423-1	1868-53-7	Dibromofluoromethane	SAMP	SURR	99	%	80-119
FC21423-1	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	107	%	81-118
FC21423-1	2037-26-5	Toluene-D8	SAMP	SURR	97	%	89-112
FC21423-1	460-00-4	4-Bromofluorobenzene	SAMP	SURR	100	%	85-114
FC21423-2	1868-53-7	Dibromofluoromethane	SAMP	SURR	100	%	80-119
FC21423-2	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	107	%	81-118
FC21423-2	2037-26-5	Toluene-D8	SAMP	SURR	97	%	89-112
FC21423-2	460-00-4	4-Bromofluorobenzene	SAMP	SURR	100	%	85-114
FC21423-3	1868-53-7	Dibromofluoromethane	SAMP	SURR	98	%	80-119
FC21423-3	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	108	%	81-118
FC21423-3	2037-26-5	Toluene-D8	SAMP	SURR	98	%	89-112
FC21423-3	460-00-4	4-Bromofluorobenzene	SAMP	SURR	100	%	85-114
FC21423-4	1868-53-7	Dibromofluoromethane	SAMP	SURR	99	%	80-119
FC21423-4	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	106	%	81-118
FC21423-4	2037-26-5	Toluene-D8	SAMP	SURR	98	%	89-112
FC21423-4	460-00-4	4-Bromofluorobenzene	SAMP	SURR	101	%	85-114
FC21423-5	1868-53-7	Dibromofluoromethane	SAMP	SURR	98	%	80-119
FC21423-5	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	107	%	81-118
FC21423-5	2037-26-5	Toluene-D8	SAMP	SURR	99	%	89-112
FC21423-5	460-00-4	4-Bromofluorobenzene	SAMP	SURR	99	%	85-114
FC21423-6	1868-53-7	Dibromofluoromethane	SAMP	SURR	100	%	80-119
FC21423-6	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	107	%	81-118
FC21423-6	2037-26-5	Toluene-D8	SAMP	SURR	100	%	89-112
FC21423-6	460-00-4	4-Bromofluorobenzene	SAMP	SURR	101	%	85-114

* Sample used for QC is not from job FC21423

QC Evaluation: DOD QSM5.x Limits

Job Number: FC21423
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 12/17/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FC21423-7	1868-53-7	Dibromofluoromethane	SAMP	SURR	99	%	80-119
FC21423-7	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	106	%	81-118
FC21423-7	2037-26-5	Toluene-D8	SAMP	SURR	97	%	89-112
FC21423-7	460-00-4	4-Bromofluorobenzene	SAMP	SURR	101	%	85-114
FC21423-8	1868-53-7	Dibromofluoromethane	SAMP	SURR	100	%	80-119
FC21423-8	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	108	%	81-118
FC21423-8	2037-26-5	Toluene-D8	SAMP	SURR	98	%	89-112
FC21423-8	460-00-4	4-Bromofluorobenzene	SAMP	SURR	101	%	85-114
FC21423-9	1868-53-7	Dibromofluoromethane	SAMP	SURR	100	%	80-119
FC21423-9	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	109	%	81-118
FC21423-9	2037-26-5	Toluene-D8	SAMP	SURR	97	%	89-112
FC21423-9	460-00-4	4-Bromofluorobenzene	SAMP	SURR	102	%	85-114
FC21423-10	1868-53-7	Dibromofluoromethane	SAMP	SURR	99	%	80-119
FC21423-10	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	106	%	81-118
FC21423-10	2037-26-5	Toluene-D8	SAMP	SURR	97	%	89-112
FC21423-10	460-00-4	4-Bromofluorobenzene	SAMP	SURR	101	%	85-114
FC21423-11	1868-53-7	Dibromofluoromethane	SAMP	SURR	98	%	80-119
FC21423-11	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	107	%	81-118
FC21423-11	2037-26-5	Toluene-D8	SAMP	SURR	98	%	89-112
FC21423-11	460-00-4	4-Bromofluorobenzene	SAMP	SURR	101	%	85-114
FC21423-12	1868-53-7	Dibromofluoromethane	SAMP	SURR	99	%	80-119
FC21423-12	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	106	%	81-118
FC21423-12	2037-26-5	Toluene-D8	SAMP	SURR	98	%	89-112
FC21423-12	460-00-4	4-Bromofluorobenzene	SAMP	SURR	101	%	85-114
FC21423-13	1868-53-7	Dibromofluoromethane	SAMP	SURR	98	%	80-119
FC21423-13	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	107	%	81-118
FC21423-13	2037-26-5	Toluene-D8	SAMP	SURR	98	%	89-112
FC21423-13	460-00-4	4-Bromofluorobenzene	SAMP	SURR	100	%	85-114
FC21423-14	1868-53-7	Dibromofluoromethane	SAMP	SURR	100	%	80-119
FC21423-14	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	107	%	81-118
FC21423-14	2037-26-5	Toluene-D8	SAMP	SURR	98	%	89-112
FC21423-14	460-00-4	4-Bromofluorobenzene	SAMP	SURR	100	%	85-114

* Sample used for QC is not from job FC21423

MS Volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: FC21423
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI3447-MB	I768786.D	1	12/23/24	DW	n/a	n/a	VI3447

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

FC21423-1, FC21423-2, FC21423-3, FC21423-4, FC21423-5, FC21423-6, FC21423-7, FC21423-8, FC21423-9, FC21423-10, FC21423-11, FC21423-12, FC21423-13, FC21423-14

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.37	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.45	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.24	ug/l	
75-25-2	Bromoform	ND	1.0	0.41	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.0	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.23	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.24	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.31	ug/l	
75-15-0	Carbon Disulfide	ND	2.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	ND	1.0	0.36	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.67	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.22	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.31	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.34	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	2.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.43	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.31	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.24	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

Method Blank Summary

Job Number: FC21423
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI3447-MB	I768786.D	1	12/23/24	DW	n/a	n/a	VI3447

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

FC21423-1, FC21423-2, FC21423-3, FC21423-4, FC21423-5, FC21423-6, FC21423-7, FC21423-8, FC21423-9, FC21423-10, FC21423-11, FC21423-12, FC21423-13, FC21423-14

CAS No.	Compound	Result	RL	MDL	Units	Q
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.30	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.22	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
74-83-9	Methyl Bromide	ND	5.0	2.0	ug/l	
74-87-3	Methyl Chloride	ND	2.0	0.50	ug/l	
74-95-3	Methylene Bromide	ND	2.0	0.37	ug/l	
75-09-2	Methylene Chloride	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.23	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.29	ug/l	
100-42-5	Styrene	ND	1.0	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.47	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.35	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	0.27	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
75-01-4	Vinyl Chloride	ND	1.0	0.41	ug/l	
	m,p-Xylene	ND	2.0	0.47	ug/l	
95-47-6	o-Xylene	ND	1.0	0.26	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	

Method Blank Summary

Job Number: FC21423
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI3447-MB	I768786.D	1	12/23/24	DW	n/a	n/a	VI3447

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

FC21423-1, FC21423-2, FC21423-3, FC21423-4, FC21423-5, FC21423-6, FC21423-7, FC21423-8, FC21423-9, FC21423-10, FC21423-11, FC21423-12, FC21423-13, FC21423-14

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	99%	83-118%
17060-07-0	1,2-Dichloroethane-D4	107%	79-125%
2037-26-5	Toluene-D8	98%	85-112%
460-00-4	4-Bromofluorobenzene	102%	83-118%

Blank Spike Summary

Job Number: FC21423
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI3447-BS	I768784.D	1	12/23/24	DW	n/a	n/a	VI3447

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

FC21423-1, FC21423-2, FC21423-3, FC21423-4, FC21423-5, FC21423-6, FC21423-7, FC21423-8, FC21423-9, FC21423-10, FC21423-11, FC21423-12, FC21423-13, FC21423-14

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	147	118	50-147
71-43-2	Benzene	25	24.6	98	81-122
108-86-1	Bromobenzene	25	23.9	96	80-121
74-97-5	Bromochloromethane	25	23.8	95	76-123
75-27-4	Bromodichloromethane	25	23.6	94	79-123
75-25-2	Bromoform	25	20.2	81	66-123
78-93-3	2-Butanone (MEK)	125	135	108	56-143
104-51-8	n-Butylbenzene	25	26.8	107	79-126
135-98-8	sec-Butylbenzene	25	22.8	91	83-133
98-06-6	tert-Butylbenzene	25	23.6	94	80-133
75-15-0	Carbon Disulfide	25	20.6	82	66-148
56-23-5	Carbon Tetrachloride	25	22.2	89	76-136
108-90-7	Chlorobenzene	25	24.4	98	82-124
75-00-3	Chloroethane	25	20.6	82	62-144
67-66-3	Chloroform	25	23.8	95	80-124
95-49-8	o-Chlorotoluene	25	24.5	98	81-127
106-43-4	p-Chlorotoluene	25	23.9	96	83-130
124-48-1	Dibromochloromethane	25	23.6	94	78-122
96-12-8	1,2-Dibromo-3-chloropropane	25	23.7	95	64-123
106-93-4	1,2-Dibromoethane	25	24.4	98	75-120
75-71-8	Dichlorodifluoromethane	25	21.7	87	42-167
95-50-1	1,2-Dichlorobenzene	25	23.8	95	82-124
541-73-1	1,3-Dichlorobenzene	25	23.7	95	84-125
106-46-7	1,4-Dichlorobenzene	25	22.5	90	78-120
75-34-3	1,1-Dichloroethane	25	24.0	96	81-122
107-06-2	1,2-Dichloroethane	25	27.7	111	75-125
75-35-4	1,1-Dichloroethylene	25	23.8	95	78-137
156-59-2	cis-1,2-Dichloroethylene	25	22.4	90	78-120
156-60-5	trans-1,2-Dichloroethylene	25	24.7	99	76-127
540-59-0	1,2-Dichloroethene (total)	50	47.2	94	77-122
78-87-5	1,2-Dichloropropane	25	26.8	107	76-124
142-28-9	1,3-Dichloropropane	25	25.0	100	80-118
594-20-7	2,2-Dichloropropane	25	24.4	98	74-139
563-58-6	1,1-Dichloropropene	25	27.3	109	79-131
10061-01-5	cis-1,3-Dichloropropene	25	24.4	98	75-118
10061-02-6	trans-1,3-Dichloropropene	25	23.7	95	80-120

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FC21423
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI3447-BS	I768784.D	1	12/23/24	DW	n/a	n/a	VI3447

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

FC21423-1, FC21423-2, FC21423-3, FC21423-4, FC21423-5, FC21423-6, FC21423-7, FC21423-8, FC21423-9, FC21423-10, FC21423-11, FC21423-12, FC21423-13, FC21423-14

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
100-41-4	Ethylbenzene	25	23.9	96	81-121
87-68-3	Hexachlorobutadiene	25	26.0	104	75-142
591-78-6	2-Hexanone	125	159	127	61-129
98-82-8	Isopropylbenzene	25	23.9	96	83-132
99-87-6	p-Isopropyltoluene	25	23.1	92	79-130
74-83-9	Methyl Bromide	25	23.8	95	59-143
74-87-3	Methyl Chloride	25	22.7	91	50-159
74-95-3	Methylene Bromide	25	25.0	100	78-119
75-09-2	Methylene Chloride	25	24.2	97	69-135
108-10-1	4-Methyl-2-pentanone (MIBK)	125	153	122	66-122
1634-04-4	Methyl Tert Butyl Ether	25	22.5	90	72-117
91-20-3	Naphthalene	25	22.8	91	63-132
103-65-1	n-Propylbenzene	25	24.9	100	82-133
100-42-5	Styrene	25	25.0	100	78-119
630-20-6	1,1,1,2-Tetrachloroethane	25	23.5	94	77-122
79-34-5	1,1,2,2-Tetrachloroethane	25	23.2	93	72-120
127-18-4	Tetrachloroethylene	25	24.2	97	76-135
108-88-3	Toluene	25	22.7	91	80-120
87-61-6	1,2,3-Trichlorobenzene	25	24.4	98	68-131
120-82-1	1,2,4-Trichlorobenzene	25	24.1	96	73-129
71-55-6	1,1,1-Trichloroethane	25	22.9	92	75-130
79-00-5	1,1,2-Trichloroethane	25	25.2	101	76-119
79-01-6	Trichloroethylene	25	23.8	95	81-126
75-69-4	Trichlorofluoromethane	25	19.2	77	71-156
96-18-4	1,2,3-Trichloropropane	25	24.2	97	77-120
95-63-6	1,2,4-Trimethylbenzene	25	24.8	99	79-120
108-67-8	1,3,5-Trimethylbenzene	25	24.0	96	79-120
108-05-4	Vinyl Acetate	125	150	120	43-154
75-01-4	Vinyl Chloride	25	25.4	102	69-159
	m,p-Xylene	50	48.6	97	79-126
95-47-6	o-Xylene	25	23.5	94	80-127
1330-20-7	Xylene (total)	75	72.1	96	80-126

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FC21423
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI3447-BS	I768784.D	1	12/23/24	DW	n/a	n/a	VI3447

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

FC21423-1, FC21423-2, FC21423-3, FC21423-4, FC21423-5, FC21423-6, FC21423-7, FC21423-8, FC21423-9, FC21423-10, FC21423-11, FC21423-12, FC21423-13, FC21423-14

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	95%	83-118%
17060-07-0	1,2-Dichloroethane-D4	111%	79-125%
2037-26-5	Toluene-D8	98%	85-112%
460-00-4	4-Bromofluorobenzene	104%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FC21423
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FC21423-8MS	I768807.D	1	12/23/24	DW	n/a	n/a	VI3447
FC21423-8MSD	I768808.D	1	12/23/24	DW	n/a	n/a	VI3447
FC21423-8	I768797.D	1	12/23/24	DW	n/a	n/a	VI3447

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

FC21423-1, FC21423-2, FC21423-3, FC21423-4, FC21423-5, FC21423-6, FC21423-7, FC21423-8, FC21423-9, FC21423-10, FC21423-11, FC21423-12, FC21423-13, FC21423-14

CAS No.	Compound	FC21423-8 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	25 U		125	135	108	125	138	110	2	50-147/21
71-43-2	Benzene	1.0 U		25	23.9	96	25	26.1	104	9	81-122/14
108-86-1	Bromobenzene	1.0 U		25	22.1	88	25	24.0	96	8	80-121/14
74-97-5	Bromochloromethane	1.0 U		25	24.0	96	25	25.0	100	4	76-123/14
75-27-4	Bromodichloromethane	1.0 U		25	22.5	90	25	24.8	99	10	79-123/19
75-25-2	Bromoform	1.0 U		25	17.0	68	25	19.1	76	12	66-123/21
78-93-3	2-Butanone (MEK)	5.0 U		125	132	106	125	133	106	1	56-143/18
104-51-8	n-Butylbenzene	1.0 U		25	23.3	93	25	26.6	106	13	79-126/16
135-98-8	sec-Butylbenzene	1.0 U		25	20.9	84	25	23.1	92	10	83-133/16
98-06-6	tert-Butylbenzene	1.0 U		25	21.2	85	25	23.4	94	10	80-133/16
75-15-0	Carbon Disulfide	2.0 U		25	19.0	76	25	21.2	85	11	66-148/23
56-23-5	Carbon Tetrachloride	1.0 U		25	21.9	88	25	24.0	96	9	76-136/23
108-90-7	Chlorobenzene	1.0 U		25	22.7	91	25	25.0	100	10	82-124/14
75-00-3	Chloroethane	2.0 U		25	22.1	88	25	23.6	94	7	62-144/20
67-66-3	Chloroform	1.0 U		25	23.5	94	25	25.0	100	6	80-124/15
95-49-8	o-Chlorotoluene	1.0 U		25	22.4	90	25	24.7	99	10	81-127/15
106-43-4	p-Chlorotoluene	1.0 U		25	21.9	88	25	24.1	96	10	83-130/15
124-48-1	Dibromochloromethane	1.0 U		25	21.1	84	25	23.2	93	9	78-122/19
96-12-8	1,2-Dibromo-3-chloropropane	5.0 U		25	21.1	84	25	24.0	96	13	64-123/18
106-93-4	1,2-Dibromoethane	2.0 U		25	22.3	89	25	24.4	98	9	75-120/13
75-71-8	Dichlorodifluoromethane	2.0 U		25	23.2	93	25	23.3	93	0	42-167/19
95-50-1	1,2-Dichlorobenzene	1.0 U		25	21.7	87	25	24.2	97	11	82-124/14
541-73-1	1,3-Dichlorobenzene	1.0 U		25	21.5	86	25	23.6	94	9	84-125/14
106-46-7	1,4-Dichlorobenzene	1.0 U		25	20.9	84	25	23.2	93	10	78-120/15
75-34-3	1,1-Dichloroethane	1.0 U		25	23.8	95	25	25.9	104	8	81-122/15
107-06-2	1,2-Dichloroethane	1.0 U		25	26.6	106	25	29.2	117	9	75-125/14
75-35-4	1,1-Dichloroethylene	1.0 U		25	23.3	93	25	25.3	101	8	78-137/18
156-59-2	cis-1,2-Dichloroethylene	1.0 U		25	20.8	83	25	23.6	94	13	78-120/15
156-60-5	trans-1,2-Dichloroethylene	1.0 U		25	24.6	98	25	26.6	106	8	76-127/17
540-59-0	1,2-Dichloroethene (total)	2.0 U		50	45.4	91	50	50.2	100	10	77-122/15
78-87-5	1,2-Dichloropropane	1.0 U		25	25.7	103	25	28.0	112	9	76-124/14
142-28-9	1,3-Dichloropropane	1.0 U		25	22.7	91	25	25.4	102	11	80-118/13
594-20-7	2,2-Dichloropropane	1.0 U		25	22.4	90	25	24.1	96	7	74-139/17
563-58-6	1,1-Dichloropropene	1.0 U		25	26.7	107	25	29.3	117	9	79-131/16
10061-01-5	cis-1,3-Dichloropropene	1.0 U		25	21.4	86	25	23.7	95	10	75-118/23
10061-02-6	trans-1,3-Dichloropropene	1.0 U		25	20.0	80	25	22.3	89	11	80-120/22

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FC21423
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FC21423-8MS	I768807.D	1	12/23/24	DW	n/a	n/a	VI3447
FC21423-8MSD	I768808.D	1	12/23/24	DW	n/a	n/a	VI3447
FC21423-8	I768797.D	1	12/23/24	DW	n/a	n/a	VI3447

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

FC21423-1, FC21423-2, FC21423-3, FC21423-4, FC21423-5, FC21423-6, FC21423-7, FC21423-8, FC21423-9, FC21423-10, FC21423-11, FC21423-12, FC21423-13, FC21423-14

CAS No.	Compound	FC21423-8 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
100-41-4	Ethylbenzene	1.0 U		25	22.6	90	25	24.6	98	8	81-121/14
87-68-3	Hexachlorobutadiene	2.0 U		25	21.6	86	25	23.9	96	10	75-142/19
591-78-6	2-Hexanone	10 U		125	155	124	125	156	125	1	61-129/18
98-82-8	Isopropylbenzene	1.0 U		25	22.5	90	25	24.5	98	9	83-132/15
99-87-6	p-Isopropyltoluene	1.0 U		25	20.8	83	25	23.4	94	12	79-130/16
74-83-9	Methyl Bromide	5.0 U		25	13.0	52*	25	17.0	68	27*	59-143/19
74-87-3	Methyl Chloride	2.0 U		25	22.5	90	25	23.9	96	6	50-159/19
74-95-3	Methylene Bromide	2.0 U		25	24.0	96	25	26.2	105	9	78-119/14
75-09-2	Methylene Chloride	5.0 U		25	24.1	96	25	24.9	100	3	69-135/16
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0 U		125	149	119	125	152	122	2	66-122/16
1634-04-4	Methyl Tert Butyl Ether	1.0 U		25	20.9	84	25	22.8	91	9	72-117/14
91-20-3	Naphthalene	5.0 U		25	19.7	79	25	22.0	88	11	63-132/25
103-65-1	n-Propylbenzene	1.0 U		25	22.9	92	25	25.1	100	9	82-133/15
100-42-5	Styrene	1.0 U		25	22.8	91	25	25.1	100	10	78-119/23
630-20-6	1,1,1,2-Tetrachloroethane	1.0 U		25	21.3	85	25	23.6	94	10	77-122/19
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U		25	22.6	90	25	24.9	100	10	72-120/14
127-18-4	Tetrachloroethylene	1.0 U		25	22.0	88	25	23.4	94	6	76-135/16
108-88-3	Toluene	1.0 U		25	21.3	85	25	23.6	94	10	80-120/14
87-61-6	1,2,3-Trichlorobenzene	2.0 U		25	21.0	84	25	23.4	94	11	68-131/25
120-82-1	1,2,4-Trichlorobenzene	2.0 U		25	20.5	82	25	22.8	91	11	73-129/20
71-55-6	1,1,1-Trichloroethane	1.0 U		25	22.9	92	25	24.7	99	8	75-130/16
79-00-5	1,1,2-Trichloroethane	1.0 U		25	23.6	94	25	25.8	103	9	76-119/14
79-01-6	Trichloroethylene	1.0 U		25	22.5	90	25	24.2	97	7	81-126/15
75-69-4	Trichlorofluoromethane	2.0 U		25	21.3	85	25	20.8	83	2	71-156/21
96-18-4	1,2,3-Trichloropropane	2.0 U		25	21.9	88	25	24.5	98	11	77-120/16
95-63-6	1,2,4-Trimethylbenzene	1.0 U		25	22.8	91	25	25.0	100	9	79-120/18
108-67-8	1,3,5-Trimethylbenzene	1.0 U		25	22.2	89	25	24.3	97	9	79-120/19
108-05-4	Vinyl Acetate	10 U		125	149	119	125	150	120	1	43-154/14
75-01-4	Vinyl Chloride	1.0 U		25	26.9	108	25	29.1	116	8	69-159/18
	m,p-Xylene	2.0 U		50	45.1	90	50	49.9	100	10	79-126/15
95-47-6	o-Xylene	1.0 U		25	22.1	88	25	24.4	98	10	80-127/14
1330-20-7	Xylene (total)	3.0 U		75	67.3	90	75	74.2	99	10	80-126/15

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FC21423
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FC21423-8MS	I768807.D	1	12/23/24	DW	n/a	n/a	VI3447
FC21423-8MSD	I768808.D	1	12/23/24	DW	n/a	n/a	VI3447
FC21423-8	I768797.D	1	12/23/24	DW	n/a	n/a	VI3447

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

FC21423-1, FC21423-2, FC21423-3, FC21423-4, FC21423-5, FC21423-6, FC21423-7, FC21423-8, FC21423-9, FC21423-10, FC21423-11, FC21423-12, FC21423-13, FC21423-14

CAS No.	Surrogate Recoveries	MS	MSD	FC21423-8	Limits
1868-53-7	Dibromofluoromethane	96%	95%	100%	83-118%
17060-07-0	1,2-Dichloroethane-D4	108%	112%	108%	79-125%
2037-26-5	Toluene-D8	94%	95%	98%	85-112%
460-00-4	4-Bromofluorobenzene	101%	101%	101%	83-118%

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: FC21423
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VI3431-BFB
Lab File ID: I768376.D
Instrument ID: GCMSI
Injection Date: 12/05/24
Injection Time: 05:50

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
95	Base peak, 100% relative abundance	55960	100.0		Pass
96	5.0 - 9.0% of mass 95	3651	6.52		Pass
173	Less than 2.0% of mass 174	436	0.78	(0.92) [a]	Pass
174	50.0 - 200.0% of mass 95	47160	84.3		Pass
175	5.0 - 9.0% of mass 174	3502	6.26	(7.43) [a]	Pass
176	95.0 - 105.0% of mass 174	45792	81.8	(97.1) [a]	Pass
177	5.0 - 10.0% of mass 176	2968	5.30	(6.48) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VI3431-IC3431	I768377.D	12/05/24	06:19	00:29	Initial cal 1
VI3431-IC3431	I768378.D	12/05/24	06:43	00:53	Initial cal 8
VI3431-IC3431	I768379.D	12/05/24	07:07	01:17	Initial cal 2
VI3431-IC3431	I768380.D	12/05/24	07:31	01:41	Initial cal 3
VI3431-IC3431	I768381.D	12/05/24	07:55	02:05	Initial cal 4
VI3431-ICC3431	I768382.D	12/05/24	08:19	02:29	Initial cal 5
VI3431-IC3431	I768383.D	12/05/24	08:43	02:53	Initial cal 6
VI3431-IC3431	I768384.D	12/05/24	09:07	03:17	Initial cal 7
VI3431-ICV3431	I768386.D	12/05/24	10:00	04:10	Initial cal verification 5

Instrument Performance Check (BFB)

Job Number: FC21423
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VI3447-BFB
Lab File ID: I768782.D
Instrument ID: GCMSI
Injection Date: 12/23/24
Injection Time: 08:38

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
95	Base peak, 100% relative abundance	53600	100.0		Pass
96	5.0 - 9.0% of mass 95	3441	6.42		Pass
173	Less than 2.0% of mass 174	386	0.72	(0.86) [a]	Pass
174	50.0 - 200.0% of mass 95	44915	83.8		Pass
175	5.0 - 9.0% of mass 174	3437	6.41	(7.65) [a]	Pass
176	95.0 - 105.0% of mass 174	43672	81.5	(97.2) [a]	Pass
177	5.0 - 10.0% of mass 176	3032	5.66	(6.94) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VI3447-CC3431	I768783.D	12/23/24	09:11	00:33	Continuing cal 4
VI3447-BS	I768784.D	12/23/24	09:51	01:13	Blank Spike
VI3447-MB	I768786.D	12/23/24	10:51	02:13	Method Blank
ZZZZZZ	I768788.D	12/23/24	11:39	03:01	(unrelated sample)
ZZZZZZ	I768789.D	12/23/24	12:03	03:25	(unrelated sample)
FC21423-1	I768790.D	12/23/24	12:28	03:50	789MW-135_1224
FC21423-2	I768791.D	12/23/24	12:52	04:14	789MW-46R_1224
FC21423-3	I768792.D	12/23/24	13:16	04:38	789MW-83_1224
FC21423-4	I768793.D	12/23/24	13:40	05:02	789MW-95_1224
FC21423-5	I768794.D	12/23/24	14:04	05:26	789MW-99_1224
FC21423-6	I768795.D	12/23/24	14:28	05:50	789MW-99_1224-A
FC21423-7	I768796.D	12/23/24	14:53	06:15	789MW-216_1224
FC21423-8	I768797.D	12/23/24	15:17	06:39	789MW-222_1224
FC21423-9	I768798.D	12/23/24	15:41	07:03	789MW-251_1224
FC21423-10	I768799.D	12/23/24	16:05	07:27	789SW-02_1224
FC21423-11	I768800.D	12/23/24	16:29	07:51	789SW-03_1224
FC21423-12	I768801.D	12/23/24	16:53	08:15	789SW-04_1224
FC21423-13	I768802.D	12/23/24	17:18	08:40	789-AB01_1224-D
FC21423-14	I768803.D	12/23/24	17:42	09:04	789-TB01_1224-C
ZZZZZZ	I768804.D	12/23/24	18:06	09:28	(unrelated sample)
ZZZZZZ	I768805.D	12/23/24	18:30	09:52	(unrelated sample)
ZZZZZZ	I768806.D	12/23/24	18:54	10:16	(unrelated sample)
FC21423-8MS	I768807.D	12/23/24	19:18	10:40	Matrix Spike
FC21423-8MSD	I768808.D	12/23/24	19:42	11:04	Matrix Spike Duplicate
VI3447-ECC3431	I768809.D	12/23/24	20:06	11:28	Ending cal 4

Internal Standard Area Summary

Job Number: FC21423
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Check Std:	VI3447-CC3431	**Injection Date:**	12/23/24
Lab File ID:	I768783.D	**Injection Time:**	09:11
Instrument ID:	GCMSI	**Method:**	SW846 8260D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Initial Cal [a]	293444	7.85	233181	11.01	125137	13.37
Check Std [b]	297015	7.85	240092	11.00	126200	13.36
Upper Limit [c]	594030	8.02	480184	11.17	252400	13.53
Lower Limit [d]	148508	7.68	120046	10.83	63100	13.19

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
VI3447-BS	310365	7.85	251270	11.00	129685	13.37
VI3447-MB	266398	7.85	219110	11.01	115595	13.37
ZZZZZZ	260599	7.85	215979	11.01	114325	13.37
ZZZZZZ	259907	7.85	217356	11.01	114847	13.37
FC21423-1	261652	7.85	217326	11.01	115598	13.37
FC21423-2	261032	7.85	216570	11.01	115810	13.37
FC21423-3	256168	7.85	213832	11.01	114710	13.37
FC21423-4	255622	7.85	212703	11.01	113994	13.37
FC21423-5	262412	7.85	214340	11.01	115700	13.37
FC21423-6	259415	7.85	212463	11.01	113845	13.37
FC21423-7	257487	7.85	214395	11.01	114021	13.37
FC21423-8	254684	7.85	213020	11.01	112449	13.37
FC21423-9	254986	7.85	214292	11.01	112302	13.37
FC21423-10	257876	7.85	215326	11.01	114415	13.37
FC21423-11	254797	7.85	210651	11.01	110207	13.37
FC21423-12	257346	7.85	214511	11.01	114082	13.37
FC21423-13	246402	7.85	202715	11.01	105717	13.37
FC21423-14	250101	7.85	208324	11.01	109619	13.37
ZZZZZZ	250605	7.85	208500	11.01	110003	13.37
ZZZZZZ	249105	7.85	207929	11.01	109919	13.37
ZZZZZZ	250466	7.85	207606	11.01	110599	13.37
FC21423-8MS	285824	7.85	239124	11.01	126255	13.37
FC21423-8MSD	298926	7.85	246487	11.01	129355	13.37
VI3447-ECC3431	312011	7.85	255183	11.01	133648	13.37

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5
IS 3 = 1,4-Dichlorobenzene-d4

(a) Initial Cal is: VI3431-ICC3431 I768382.D 12/05/24 08:19
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.

Surrogate Recovery Summary

Job Number: FC21423
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, 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
FC21423-1	I768790.D	99	107	97	100
FC21423-2	I768791.D	100	107	97	100
FC21423-3	I768792.D	98	108	98	100
FC21423-4	I768793.D	99	106	98	101
FC21423-5	I768794.D	98	107	99	99
FC21423-6	I768795.D	100	107	100	101
FC21423-7	I768796.D	99	106	97	101
FC21423-8	I768797.D	100	108	98	101
FC21423-9	I768798.D	100	109	97	102
FC21423-10	I768799.D	99	106	97	101
FC21423-11	I768800.D	98	107	98	101
FC21423-12	I768801.D	99	106	98	101
FC21423-13	I768802.D	98	107	98	100
FC21423-14	I768803.D	100	107	98	100
FC21423-8MS	I768807.D	96	108	94	101
FC21423-8MSD	I768808.D	95	112	95	101
VI3447-BS	I768784.D	95	111	98	104
VI3447-MB	I768786.D	99	107	98	102

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	83-118%
S2 = 1,2-Dichloroethane-D4	79-125%
S3 = Toluene-D8	85-112%
S4 = 4-Bromofluorobenzene	83-118%

Initial Calibration Summary

Job Number: FC21423
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VI3431-ICC3431
Lab FileID: I768382.D

Response Factor Report VOA16-MSI

Method : C:\msdchem\1\met...431_12-05-2024.m (RTE Integrator)
Title : SW-846 Method 5030/8260D & EPA 624.1
Last Update : Thu Dec 05 11:12:39 2024
Response via : Initial Calibration

Calibration Files
1 =I768377.D 2 =I768379.D 3 =I768380.D 4 =I768381.D
5 =I768382.D 6 =I768383.D 7 =I768384.D 8 =I768378.D

Compound	1	2	3	4	5	6	7	8	Avg	%RSD
1) I Fluorobenzene	----------ISTD----------									
2) Dichlorodifl	0.211	0.207	0.211	0.224	0.233	0.215	0.212	0.218	0.216	3.84
3) Chloromethan	0.147	0.152	0.153	0.154	0.152	0.148	0.148	0.165	0.152	3.70
4) Vinyl Chlori	0.161	0.169	0.167	0.171	0.172	0.166	0.166	0.172	0.168	2.37
5) 1,3-Butadien	0.080	0.099	0.089	0.099	0.101	0.095	0.098	0.094	0.094	7.24
6) Bromomethane		0.150	0.120	0.112	0.116	0.125	0.119		0.124	10.85
7) Chloroethane	0.149	0.113	0.101	0.100	0.101			0.126	0.115	16.99
---- Linear regr., Force(0,0) ---- Coefficient = 0.9996										
Response Ratio = 0.00000 + 0.10249 *A										
8) Trichloroflu	0.470	0.430	0.446	0.454	0.451	0.399	0.353	0.476	0.435	9.38
9) Ethyl Ether	0.141	0.152	0.138	0.141	0.141	0.143	0.161	0.153	0.146	5.45
10) 1,2-Dichloro	0.175	0.178	0.168	0.185	0.188	0.182	0.201	0.201	0.185	6.35
11) 1,1-Dichloro	0.198	0.222	0.201	0.222	0.224	0.219	0.246	0.236	0.221	7.27
12) Ethanol		0.003	0.004	0.005	0.005	0.005	0.004		0.004	12.95
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9971										
Response Ratio = 0.00000 + 0.00491 *A + -0.00002 *A^2										
13) Freon 113	0.129	0.167	0.145	0.183	0.186	0.185	0.206	0.192	0.174	14.76
14) Carbon Disul	0.494	0.466	0.422	0.467	0.482	0.473	0.522	0.503	0.479	6.21
15) Iodomethane		0.068	0.073	0.129	0.155	0.154	0.139		0.120	32.82
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9935										
Response Ratio = 0.00000 + 0.15300 *A + -0.00534 *A^2										
16) Acrolein	0.033	0.042	0.040	0.043	0.044	0.044	0.048	0.040	0.042	10.11
17) Allyl chlori	0.133	0.144	0.137	0.149	0.149	0.148	0.151	0.143	0.144	4.51
18) Methylene Ch		0.261	0.204	0.182	0.179	0.169	0.185		0.197	17.09
---- Linear regr., Force(0,0) ---- Coefficient = 0.9967										
Response Ratio = 0.00000 + 0.18154 *A										
19) Acetone	0.104	0.107	0.100	0.099	0.098	0.095	0.104	0.107	0.102	4.39
20) Methyl aceta	0.165	0.165	0.168	0.181	0.184	0.181	0.201	0.147	0.174	9.44
21) trans-1,2-Di	0.174	0.194	0.191	0.209	0.207	0.209	0.231	0.190	0.201	8.50
22) Hexane		0.076	0.100	0.088	0.109	0.112	0.108	0.119	0.101	0.102	13.47
23) Methyl Tert	0.570	0.530	0.517	0.539	0.539	0.531	0.570	0.562	0.545	3.65
24) Tert butyl a	0.097	0.079	0.079	0.080	0.078	0.076	0.073	0.092	0.082	9.97
25) Acetonitrile		0.040	0.035	0.033	0.032	0.028	0.028	0.053	0.036	24.76
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9972										
Response Ratio = 0.00000 + 0.03557 *A + -0.00041 *A^2										
26) Di-isopropyl	0.361	0.382	0.354	0.378	0.374	0.375	0.371	0.383	0.372	2.71
27) Chloroprene	0.128	0.156	0.156	0.173	0.175	0.185	0.186	0.156	0.164	11.75
28) 1,1-Dichloro	0.273	0.273	0.257	0.272	0.276	0.273	0.273	0.270	0.271	2.23
29) Acrylonitril		0.097	0.094	0.108	0.110	0.104	0.107	0.095	0.102	6.35
30) ETBE	0.495	0.478	0.449	0.475	0.472	0.475	0.484	0.478	0.476	2.73
31) Vinyl acetat		0.256	0.268	0.312	0.323	0.329	0.335	0.180	0.286	19.52

Initial Calibration Summary

Job Number: FC21423
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VI3431-ICC3431
Lab FileID: I768382.D

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            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9991
              Response Ratio = 0.00000 + 0.28883 *A + 0.00508 *A^2

32) cis-1,2-Dich 0.114 0.194 0.189 0.201 0.201 0.199 0.197 0.178 0.184  15.95
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9998
              Response Ratio = 0.00000 + 0.19765 *A

33) 2,2-Dichloro 0.212 0.252 0.234 0.260 0.259 0.256 0.254 0.270 0.250   7.25
34) Bromochlorom 0.075 0.100 0.097 0.114 0.112 0.101 0.100 0.080 0.097  14.03
35) Cyclohexane  0.161 0.204 0.174 0.221 0.221 0.216 0.221 0.214 0.204  11.50
36) Chloroform   0.313 0.333 0.314 0.339 0.339 0.333 0.333 0.351 0.332   3.88
37) Ethyl acetat 0.167 0.240 0.234 0.253 0.252 0.250 0.248 0.224 0.234  12.24
38) Tetrahydrofu 0.088 0.110 0.109 0.111 0.104 0.099 0.097 0.127 0.106  10.99
39) Dibromofluor 0.294 0.298 0.295 0.307 0.305 0.305 0.300 0.295 0.300   1.75
40) Carbon Tetra 0.220 0.260 0.234 0.273 0.279 0.279 0.278 0.262 0.261   8.56
41) 1,1,1-Trichl 0.276 0.297 0.271 0.296 0.301 0.292 0.293 0.306 0.291   4.07
42) 2-Butanone   0.115 0.140 0.144 0.149 0.150 0.148 0.146 0.219 0.151  19.47
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9976
              Response Ratio = 0.00000 + 0.14788 *A

43) 1,1-Dichloro 0.161 0.195 0.182 0.204 0.205 0.205 0.207 0.197 0.194   8.12
44) tert-Butyl F 0.122 0.149 0.136 0.148 0.152 0.149 0.146 0.138 0.143   6.96
45) Propionitril 0.034 0.047 0.049 0.051 0.052 0.052 0.052 0.047 0.048  12.10
46) Methacryloni 0.122 0.127 0.125 0.120 0.126 0.129 0.128 0.133 0.126   3.26
47) Benzene      0.636 0.687 0.631 0.679 0.677 0.677 0.669 0.677 0.667   3.18
48) TAME         0.583 0.543 0.514 0.524 0.531 0.507 0.509 0.543 0.532   4.68
49) 1,2-Dichloro 0.283 0.287 0.281 0.288 0.278 0.274 0.273 0.286 0.281   2.06
50) Isobutyl alc       0.012 0.012 0.012 0.012 0.015 0.015 0.011 0.013  10.77
51) 1,2-Dichloro 0.203 0.227 0.210 0.227 0.225 0.222 0.221 0.225 0.220   4.10
52) Tert Amyl Al 0.073 0.061 0.064 0.066 0.063 0.064 0.067 0.072 0.066   6.41
53) Trichloroeth 0.203 0.200 0.184 0.202 0.197 0.197 0.196 0.185 0.196   3.66
54) Methylcycloh 0.170 0.234 0.211 0.269 0.275 0.266 0.271 0.262 0.245  15.26
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9980
              Response Ratio = 0.00000 + 0.26629 *A

55) Dibromometha 0.106 0.130 0.132 0.139 0.143 0.137 0.139 0.105 0.129  11.67
56) 1,2-Dichloro 0.123 0.145 0.142 0.153 0.153 0.150 0.152 0.130 0.144   8.02
57) Bromodichlor 0.235 0.227 0.228 0.252 0.251 0.246 0.245 0.224 0.239   4.78
58) Methyl metha       0.092 0.113 0.131 0.139 0.140 0.139       0.126  15.36
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9998
              Response Ratio = 0.00000 + 0.13651 *A

59) 1,4-Dioxane        0.003 0.007 0.007 0.007 0.007 0.007       0.006  24.31
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9952
              Response Ratio = 0.00000 + 0.00645 *A + 0.00001 *A^2

60) 2-Chloroethy 0.014 0.056 0.061 0.072 0.069 0.066 0.061 0.034 0.054  36.85
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9996
              Response Ratio = 0.00000 + 0.07400 *A + -0.00126 *A^2

61) cis-1,3-Dich 0.246 0.248 0.253 0.273 0.276 0.276 0.277 0.208 0.257   9.25

62) I   Chlorobenzene-d5      ----------------ISTD--------------------
63) Toluene-d8   1.223 1.231 1.256 1.259 1.258 1.271 1.283 1.219 1.250   1.84
64) Toluene      0.989 0.920 0.894 0.937 0.945 0.936 0.957 0.971 0.944   3.14
65) 2-Nitropropa 0.099 0.079 0.086 0.095 0.098 0.101 0.105 0.088 0.094   9.38
66) 4-Methyl-2-p 0.282 0.325 0.307 0.312 0.311 0.309 0.315 0.307 0.309   3.94
67) trans-1,3-Di 0.171 0.272 0.293 0.324 0.330 0.338 0.348 0.239 0.289  20.83
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9991
              Response Ratio = 0.00000 + 0.33463 *A
```

Initial Calibration Summary

Job Number: FC21423
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VI3431-ICC3431
Lab FileID: I768382.D

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 68) Tetrachloroe 0.225 0.246 0.249 0.285 0.290 0.298 0.308 0.241 0.268  11.53
 69) Ethyl methac       0.245 0.288 0.303 0.320 0.332 0.330       0.303  10.81
 70) 1,1,2-Trichl 0.147 0.188 0.184 0.194 0.190 0.189 0.191 0.193 0.185   8.34
 71) Dibromochlor 0.239 0.247 0.262 0.289 0.294 0.293 0.303 0.254 0.273   9.04
 72) 1,3-Dichloro 0.320 0.334 0.329 0.348 0.352 0.349 0.352 0.318 0.338   4.27
 73) 1,2-Dibromoe 0.214 0.246 0.256 0.278 0.289 0.282 0.289 0.226 0.260  11.23
 74) 3,3-dimethyl 0.069 0.087 0.079 0.082 0.082 0.087 0.093 0.072 0.081   9.63
 75) 2-hexanone   0.162 0.258 0.256 0.265 0.263 0.279       0.209 0.242  17.16
             ---- Linear regr., Force(0,0) ----  Coefficient =  0.9992
               Response Ratio = 0.00000 + 0.26856 *A

 76) 1-Chlorohexa 0.322 0.251 0.259 0.296 0.308 0.310 0.316 0.292 0.294   8.94
 77) Ethylbenzene 1.256 1.045 1.002 1.057 1.069 1.056 1.069 1.119 1.084   7.05
 78) Chlorobenzen 0.721 0.651 0.632 0.650 0.661 0.656 0.662 0.656 0.661   3.91
 79) 1,1,1,2-Tetr 0.248 0.226 0.227 0.242 0.251 0.249 0.254 0.241 0.242   4.41
 80) m,p-Xylene   0.876 0.774 0.748 0.809 0.823 0.817 0.832 0.826 0.813   4.74
 81) o-Xylene     0.939 0.824 0.791 0.832 0.840 0.830 0.842 0.816 0.839   5.18
 82) Styrene      0.488 0.555 0.587 0.618 0.643 0.641 0.662 0.544 0.592  10.15
 83) Bromoform    0.143 0.167 0.179 0.203 0.218 0.225 0.236 0.173 0.193  16.79
             ---- Linear regr., Force(0,0) ----  Coefficient =  0.9964
               Response Ratio = 0.00000 + 0.22241 *A

 84) Isopropylben 1.106 0.981 0.982 1.033 1.052 1.035 1.049 1.019 1.032   3.92

 85) I   1,4-Dichlorobenzene-d ----------------ISTD--------------------
 86) 4-Bromofluor 0.778 0.782 0.773 0.800 0.794 0.798 0.797 0.761 0.785   1.79
 87) cis-1,4-Dich             0.143 0.163 0.172 0.185 0.187       0.170  10.67
 88) n-Propylbenz 2.521 2.257 2.102 2.251 2.236 2.197 2.193 2.279 2.254   5.37
 89) Bromobenzene 0.597 0.525 0.494 0.538 0.544 0.544 0.545 0.509 0.537   5.67
 90) 1,1,2,2-Tetr 0.822 0.715 0.678 0.703 0.704 0.690 0.700 0.781 0.724   6.94
 91) 1,3,5-Trimet 1.794 1.615 1.545 1.619 1.628 1.608 1.623 1.600 1.629   4.39
 92) 2-Chlorotolu 1.815 1.625 1.468 1.520 1.456 1.439 1.446 1.623 1.549   8.48
 93) trans-1,4-Di       0.123 0.140 0.168 0.160 0.168 0.177       0.156  13.12
 94) 1,2,3-Trichl 0.261 0.264 0.242 0.260 0.252 0.246 0.248 0.254 0.253   3.09
 95) Cyclohexanon       0.042 0.040 0.045 0.043 0.046 0.046 0.034 0.042  10.44
 96) 4-Chlorotolu 1.658 1.399 1.313 1.315 1.322 1.309 1.323 1.450 1.386   8.73
 97) tert-Butylbe 1.166 0.878 0.819 0.881 0.866 0.859 0.859 1.035 0.920  12.83
 98) 1,2,4-Trimet 1.603 1.563 1.475 1.560 1.577 1.569 1.573 1.608 1.566   2.60
 99) Pentachloroe       0.250 0.257 0.285 0.291 0.291 0.288 0.219 0.269  10.26
100) sec-Butylben 2.219 1.972 1.853 1.958 1.959 1.920 1.933 2.070 1.986   5.64
101) 4-Isopropylt 1.856 1.621 1.539 1.677 1.682 1.675 1.684 1.679 1.677   5.26
102) 1,3-Dichloro 1.007 0.905 0.861 0.928 0.933 0.944 0.957 0.940 0.934   4.45
103) 1,2,3-Trimet 1.933 1.671 1.600 1.675 1.671 1.651 1.676 1.770 1.706   6.03
104) 1,4-Dichloro 1.227 1.025 0.971 0.976 0.989 0.966 0.992 1.137 1.035   9.20
105) n-Butylbenze 0.627 0.769 0.750 0.824 0.823 0.834 0.846 0.698 0.771  10.02
106) Benzyl Chlor       0.185 0.217 0.264 0.285 0.300 0.311 0.152 0.245  24.98
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9984
               Response Ratio = 0.00000 + 0.23666 *A + 0.04000 *A^2

107) 1,2-Dichloro 0.925 0.876 0.859 0.923 0.909 0.919 0.935 0.914 0.907   2.90
108) 1,2-Dibromo-       0.155 0.163 0.185 0.183 0.191 0.198 0.150 0.175  10.74
109) Hexachlorobu 0.211 0.181 0.174 0.199 0.199 0.207 0.219 0.194 0.198   7.69
110) 1,2,4-Trichl       0.453 0.452 0.523 0.536 0.569 0.592 0.449 0.511  11.66
111) Naphthalene  1.747 1.767 1.719 1.962 2.012 2.110 2.196 1.747 1.907   9.81
112) 1,2,3-Trichl 0.411 0.452 0.431 0.499 0.504 0.535 0.550 0.398 0.472  12.16
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          VI3431_12-05-2024.m        Thu Dec 05 11:13:22 2024
```

Initial Calibration Verification

Job Number: FC21423
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VI3431-ICV3431
Lab FileID: I768386.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\12-05-24\I768386.D Vial: 11
Acq On : 5 Dec 2024 10:00 am Operator: jeniferw
Sample : ICV3431-5 Inst : VOA16-MSI
Misc : MS58055,VI3431,,,,, Multiplr: 1.00
MS Integration Params: tiny.p

Method : C:\msdchem\1\met...431_12-05-2024.m (RTE Integrator)
Title : SW-846 Method 5030/8260D & EPA 624.1
Last Update : Thu Dec 05 11:12:39 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	103	0.00	7.85
2	Dichlorodifluoromethane	0.216	0.178	17.6	79	0.00	2.35
3	Chloromethane	0.152	0.127	16.4	86	0.00	2.64
4	Vinyl Chloride	0.168	0.153	8.9	91	0.00	2.77
5	1,3-Butadiene	0.094	0.104	-10.6	106	0.00	2.79
6	Bromomethane	0.124	0.119	4.0	105	0.00	3.23
	----------	Amount	Calc.	%Drift	----------		
7	Chloroethane	40.000	36.406	9.0	95	0.00	3.39
	----------	AvgRF	CCRF	%Dev	----------		
8	Trichlorofluoromethane	0.435	0.365	16.1	83	0.00	3.58
9	Ethyl Ether	0.146	0.126	13.7	92	0.00	4.01
10	1,2-Dichlorotrifluoroetha	0.185	0.171	7.6	93	0.00	4.24
11	1,1-Dichloroethene	0.221	0.204	7.7	93	0.00	4.26
	----------	Amount	Calc.	%Drift	----------		
12	Ethanol	800.000	843.141	-5.4	101	-0.02	4.22
	----------	AvgRF	CCRF	%Dev	----------		
13	Freon 113	0.174	0.183	-5.2	101	0.00	4.31
14	Carbon Disulfide	0.479	0.451	5.8	96	0.00	4.32
	----------	Amount	Calc.	%Drift	----------		
15	Iodomethane	40.000	32.723	18.2	81	0.00	4.46
	----------	AvgRF	CCRF	%Dev	----------		
16	Acrolein	0.042	0.037	11.9	86	0.00	4.67
17	Allyl chloride	0.144	0.140	2.8	97	0.00	4.85
	----------	Amount	Calc.	%Drift	----------		
18	Methylene Chloride	40.000	36.097	9.8	94	0.00	4.97
	----------	AvgRF	CCRF	%Dev	----------		
19	Acetone	0.102	0.107	-4.9	112	0.00	5.02
20	Methyl acetate	0.174	0.174	0.0	97	0.00	5.16
21	trans-1,2-Dichloroethene	0.201	0.199	1.0	98	0.00	5.18
22	Hexane	0.102	0.102	0.0	94	0.00	5.27
23	Methyl Tert Butyl Ether	0.545	0.504	7.5	96	0.00	5.29
24	Tert butyl alcohol	0.082	0.078	4.9	102	0.00	5.40
	----------	Amount	Calc.	%Drift	----------		

Initial Calibration Verification

Job Number: FC21423
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY
Sample: VI3431-ICV3431
Lab FileID: I768386.D

25		Acetonitrile	400.000	410.393	-2.6	107	0.00	5.56
			AvgRF	CCRF	%Dev			
26		Di-isopropyl ether	0.372	0.341	8.3	94	0.00	5.72
27		Chloroprene	0.164	0.182	-11.0	107	0.00	5.86
28		1,1-Dichloroethane	0.271	0.257	5.2	96	0.00	5.88
29		Acrylonitrile	0.102	0.107	-4.9	100	0.00	5.92
30		ETBE	0.476	0.430	9.7	94	0.00	6.13
			Amount	Calc.	%Drift			
31		Vinyl acetate	200.000	202.437	-1.2	100	0.00	6.13
32		cis-1,2-Dichloroethene	40.000	39.238	1.9	99	0.00	6.50
			AvgRF	CCRF	%Dev			
33		2,2-Dichloropropane	0.250	0.257	-2.8	102	0.00	6.62
34		Bromochloromethane	0.097	0.104	-7.2	96	0.00	6.73
35		Cyclohexane	0.204	0.206	-1.0	96	0.00	6.75
36		Chloroform	0.332	0.330	0.6	100	0.00	6.79
37		Ethyl acetate	0.234	0.238	-1.7	97	0.00	6.88
38		Tetrahydrofuran	0.106	0.090	15.1	88	0.00	6.98
39	S	Dibromofluoromethane	0.300	0.306	-2.0	103	0.00	6.98
40		Carbon Tetrachloride	0.261	0.270	-3.4	99	0.00	6.97
41		1,1,1-Trichloroethane	0.291	0.291	0.0	99	0.00	7.03
			Amount	Calc.	%Drift			
42		2-Butanone	200.000	187.551	6.2	95	0.00	7.10
			AvgRF	CCRF	%Dev			
43		1,1-Dichloropropene	0.194	0.218	-12.4	109	0.00	7.16
44		tert-Butyl Formate	0.143	0.128	10.5	87	0.00	7.25
45		Propionitrile	0.048	0.052	-8.3	103	0.00	7.41
46		Methacrylonitrile	0.126	0.121	4.0	99	0.00	7.43
47		Benzene	0.667	0.642	3.7	97	0.00	7.43
48		TAME	0.532	0.476	10.5	92	0.00	7.52
49	S	1,2-Dichloroethane-d4	0.281	0.275	2.1	102	0.00	7.56
50		Isobutyl alcohol	0.013	0.012	7.7	102	0.00	7.59
51		1,2-Dichloroethane	0.220	0.217	1.4	99	0.00	7.63
52		Tert Amyl Alcohol	0.066	0.063	4.5	103	0.00	7.70
53		Trichloroethene	0.196	0.192	2.0	100	0.00	8.04
			Amount	Calc.	%Drift			
54		Methylcyclohexane	40.000	38.210	4.5	95	0.00	8.05
			AvgRF	CCRF	%Dev			
55		Dibromomethane	0.129	0.137	-6.2	98	0.00	8.48
56		1,2-Dichloropropane	0.144	0.148	-2.8	99	0.00	8.56
57		Bromodichloromethane	0.239	0.240	-0.4	98	0.00	8.62
			Amount	Calc.	%Drift			
58		Methyl methacrylate	40.000	40.345	-0.9	102	0.00	8.74
59		1,4-Dioxane	800.000	818.090	-2.3	101	0.00	8.82
60		2-Chloroethyl vinyl ether	200.000	192.048	4.0	99	0.00	9.15
			AvgRF	CCRF	%Dev			
61		cis-1,3-Dichloropropene	0.257	0.265	-3.1	99	0.00	9.25
62	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00	11.00
63	S	Toluene-d8	1.250	1.266	-1.3	101	0.00	9.44
64		Toluene	0.944	0.928	1.7	98	0.00	9.49
65		2-Nitropropane	0.094	0.101	-7.4	103	0.00	9.69

Initial Calibration Verification

Job Number: FC21423
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VI3431-ICV3431
Lab FileID: I768386.D

66		4-Methyl-2-pentanone	0.309	0.311	-0.6	100	0.00	9.82
			Amount	Calc.	%Drift			
67		trans-1,3-Dichloropropene	40.000	38.065	4.8	97	0.00	9.89
			AvgRF	CCRF	%Dev			
68		Tetrachloroethene	0.268	0.289	-7.8	100	0.00	9.90
69		Ethyl methacrylate	0.303	0.327	-7.9	102	0.00	10.01
70		1,1,2-Trichloroethane	0.185	0.190	-2.7	100	0.00	10.05
71		Dibromochloromethane	0.273	0.296	-8.4	101	0.00	10.26
72		1,3-Dichloropropane	0.338	0.342	-1.2	97	0.00	10.34
73		1,2-Dibromoethane	0.260	0.281	-8.1	97	0.00	10.51
74		3,3-dimethyl-1-butanol	0.081	0.088	-8.6	107	0.00	10.62
			Amount	Calc.	%Drift			
75		2-hexanone	200.000	196.966	1.5	101	0.00	10.65
			AvgRF	CCRF	%Dev			
76		1-Chlorohexane	0.294	0.299	-1.7	97	0.00	10.96
77		Ethylbenzene	1.084	1.040	4.1	97	0.00	11.02
78		Chlorobenzene	0.661	0.662	-0.2	100	0.00	11.02
79		1,1,1,2-Tetrachloroethane	0.242	0.251	-3.7	100	0.00	11.07
80		m,p-Xylene	0.813	0.804	1.1	98	0.00	11.16
81		o-Xylene	0.839	0.827	1.4	98	0.00	11.60
82		Styrene	0.592	0.631	-6.6	98	0.00	11.65
			Amount	Calc.	%Drift			
83		Bromoform	40.000	38.118	4.7	97	0.00	11.71
			AvgRF	CCRF	%Dev			
84		Isopropylbenzene	1.032	1.050	-1.7	100	0.00	11.91
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	98	0.00	13.37
86	S	4-Bromofluorobenzene	0.785	0.807	-2.8	99	0.00	12.22
87		cis-1,4-Dichloro-2-butene	0.170	0.174	-2.4	99	0.00	12.26
88		n-Propylbenzene	2.254	2.266	-0.5	99	0.00	12.33
89		Bromobenzene	0.537	0.553	-3.0	99	0.00	12.34
90		1,1,2,2-Tetrachloroethane	0.724	0.671	7.3	93	0.00	12.39
91		1,3,5-Trimethylbenzene	1.629	1.633	-0.2	98	0.00	12.51
92		2-Chlorotoluene	1.549	1.468	5.2	99	0.00	12.51
93		trans-1,4-Dichloro-2-Bute	0.156	0.172	-10.3	105	0.00	12.57
94		1,2,3-Trichloropropane	0.253	0.249	1.6	97	0.00	12.54
95		Cyclohexanone	0.042	0.048	-14.3	108	0.00	12.60
96		4-Chlorotoluene	1.386	1.355	2.2	100	0.00	12.68
97		tert-Butylbenzene	0.920	0.887	3.6	100	0.00	12.85
98		1,2,4-Trimethylbenzene	1.566	1.631	-4.2	101	0.00	12.92
99		Pentachloroethane	0.269	0.315	-17.1	106	0.00	12.90
100		sec-Butylbenzene	1.986	1.894	4.6	95	0.00	13.04
101		4-Isopropyltoluene	1.677	1.642	2.1	95	0.00	13.17
102		1,3-Dichlorobenzene	0.934	0.959	-2.7	101	0.00	13.30
103		1,2,3-Trimethylbenzene	1.706	1.672	2.0	98	0.00	13.38
104		1,4-Dichlorobenzene	1.035	1.017	1.7	101	0.00	13.38
105		n-Butylbenzene	0.771	0.865	-12.2	103	0.00	13.61
			Amount	Calc.	%Drift			
106		Benzyl Chloride	40.000	43.258	-8.1	101	0.00	13.62
			AvgRF	CCRF	%Dev			
107		1,2-Dichlorobenzene	0.907	0.928	-2.3	100	0.00	13.82
108		1,2-Dibromo-3-Chloropropa	0.175	0.185	-5.7	98	0.00	14.58

Initial Calibration Verification

Job Number: FC21423
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VI3431-ICV3431
Lab FileID: I768386.D

109	Hexachlorobutadiene	0.198	0.214	-8.1	105	0.00	15.15
110	1,2,4-Trichlorobenzene	0.511	0.541	-5.9	99	0.00	15.19
111	Naphthalene	1.907	2.028	-6.3	99	0.00	15.46
112	1,2,3-Trichlorobenzene	0.472	0.506	-7.2	98	0.00	15.63

(#) = Out of Range SPCC's out = 0 CCC's out = 0
I768382.D VI3431_12-05-2024.m Thu Dec 05 11:13:11 2024

Continuing Calibration Summary

Job Number: FC21423
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VI3447-CC3431
Lab FileID: I768783.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\12-23-24\I768783.D Vial: 2
Acq On : 23 Dec 2024 9:11 am Operator: davidw
Sample : CC3431-4 Inst : VOA16-MSI
Misc : MS58197,VI3447,,,,, Multiplr: 1.00
MS Integration Params: tiny.p

Method : C:\msdchem\1\met...431_12-05-2024.m (RTE Integrator)
Title : SW-846 Method 5030/8260D & EPA 624.1
Last Update : Thu Dec 05 11:12:39 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	105	0.00	7.85
2	Dichlorodifluoromethane	0.216	0.227	-5.1	107	0.00	2.35
3	Chloromethane	0.152	0.158	-3.9	108	0.00	2.64
4	Vinyl Chloride	0.168	0.186	-10.7	114	0.00	2.76
5	1,3-Butadiene	0.094	0.131	-39.4#	139	0.00	2.79
6	Bromomethane	0.124	0.127	-2.4	119	0.00	3.23
		Amount	Calc.	%Drift			
7	Chloroethane	25.000	21.464	14.1	93	0.00	3.39
		AvgRF	CCRF	%Dev			
8	Trichlorofluoromethane	0.435	0.395	9.2	92	0.00	3.59
9	Ethyl Ether	0.146	0.169	-15.8	126	-0.01	4.01
10	1,2-Dichlorotrifluoroetha	0.185	0.229	-23.8#	130	0.00	4.24
11	1,1-Dichloroethene	0.221	0.270	-22.2#	128	0.00	4.26
		Amount	Calc.	%Drift			
12	Ethanol	500.000	702.713	-40.5#	143	-0.01	4.23
		AvgRF	CCRF	%Dev			
13	Freon 113	0.174	0.183	-5.2	105	0.00	4.31
14	Carbon Disulfide	0.479	0.440	8.1	99	0.00	4.32
		Amount	Calc.	%Drift			
15	Iodomethane	25.000	19.755	21.0#	97	0.00	4.45
		AvgRF	CCRF	%Dev			
16	Acrolein	0.042	0.045	-7.1	111	0.00	4.67
17	Allyl chloride	0.144	0.168	-16.7	118	0.00	4.85
		Amount	Calc.	%Drift			
18	Methylene Chloride	25.000	25.645	-2.6	108	0.00	4.97
		AvgRF	CCRF	%Dev			
19	Acetone	0.102	0.120	-17.6	128	0.00	5.02
20	Methyl acetate	0.174	0.203	-16.7	118	0.00	5.16
21	trans-1,2-Dichloroethene	0.201	0.214	-6.5	108	0.00	5.18
22	Hexane	0.102	0.118	-15.7	115	0.00	5.27
23	Methyl Tert Butyl Ether	0.545	0.520	4.6	102	0.00	5.29
24	Tert butyl alcohol	0.082	0.078	4.9	103	-0.02	5.38
		Amount	Calc.	%Drift			

Continuing Calibration Summary

Job Number: FC21423
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VI3447-CC3431
Lab FileID: I768783.D

25		Acetonitrile	250.000	275.972	-10.4	118	0.00	5.56
			AvgRF	CCRF	%Dev			
26		Di-isopropyl ether	0.372	0.421	-13.2	117	0.00	5.72
27		Chloroprene	0.164	0.191	-16.5	116	0.00	5.86
28		1,1-Dichloroethane	0.271	0.286	-5.5	111	0.00	5.88
29		Acrylonitrile	0.102	0.121	-18.6	118	0.00	5.92
30		ETBE	0.476	0.507	-6.5	112	0.00	6.13
			Amount	Calc.	%Drift			
31		Vinyl acetate	125.000	150.612	-20.5#	124	0.00	6.13
32		cis-1,2-Dichloroethene	25.000	23.585	5.7	98	0.00	6.50
			AvgRF	CCRF	%Dev			
33		2,2-Dichloropropane	0.250	0.254	-1.6	103	0.00	6.62
34		Bromochloromethane	0.097	0.102	-5.2	94	0.00	6.73
35		Cyclohexane	0.204	0.238	-16.7	113	0.00	6.75
36		Chloroform	0.332	0.333	-0.3	103	0.00	6.79
37		Ethyl acetate	0.234	0.293	-25.2#	122	0.00	6.88
38		Tetrahydrofuran	0.106	0.123	-16.0	116	0.00	6.98
39	S	Dibromofluoromethane	0.300	0.288	4.0	99	0.00	6.98
40		Carbon Tetrachloride	0.261	0.242	7.3	93	0.00	6.97
41		1,1,1-Trichloroethane	0.291	0.286	1.7	102	0.00	7.03
			Amount	Calc.	%Drift			
42		2-Butanone	125.000	151.356	-21.1#	126	0.00	7.09
			AvgRF	CCRF	%Dev			
43		1,1-Dichloropropene	0.194	0.209	-7.7	108	0.00	7.16
44		tert-Butyl Formate	0.143	0.141	1.4	100	0.00	7.25
45		Propionitrile	0.048	0.058	-20.8#	121	0.00	7.40
46		Methacrylonitrile	0.126	0.163	-29.4#	143	0.00	7.43
47		Benzene	0.667	0.708	-6.1	110	0.00	7.43
48		TAME	0.532	0.555	-4.3	112	0.00	7.52
49	S	1,2-Dichloroethane-d4	0.281	0.316	-12.5	116	0.00	7.56
50		Isobutyl alcohol	0.013	0.014	-7.7	124	0.00	7.59
51		1,2-Dichloroethane	0.220	0.260	-18.2	121	0.00	7.63
52		Tert Amyl Alcohol	0.066	0.068	-3.0	109	-0.01	7.70
53		Trichloroethene	0.196	0.198	-1.0	103	0.00	8.04
			Amount	Calc.	%Drift			
54		Methylcyclohexane	25.000	26.238	-5.0	109	0.00	8.05
			AvgRF	CCRF	%Dev			
55		Dibromomethane	0.129	0.134	-3.9	102	0.00	8.48
56		1,2-Dichloropropane	0.144	0.159	-10.4	109	0.00	8.56
57		Bromodichloromethane	0.239	0.243	-1.7	102	0.00	8.62
			Amount	Calc.	%Drift			
58		Methyl methacrylate	25.000	29.297	-17.2	128	0.00	8.74
59		1,4-Dioxane	500.000	518.405	-3.7	103	-0.01	8.81
60		2-Chloroethyl vinyl ether	125.000	130.803	-4.6	109	0.00	9.16
			AvgRF	CCRF	%Dev			
61		cis-1,3-Dichloropropene	0.257	0.272	-5.8	105	0.00	9.25
62	I	Chlorobenzene-d5	1.000	1.000	0.0	108	0.00	11.00
63	S	Toluene-d8	1.250	1.221	2.3	104	0.00	9.44
64		Toluene	0.944	0.908	3.8	104	0.00	9.49
65		2-Nitropropane	0.094	0.073	22.3#	83	0.00	9.69

Continuing Calibration Summary

Job Number: FC21423
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VI3447-CC3431
Lab FileID: I768783.D

66		4-Methyl-2-pentanone	0.309	0.386	-24.9#	133	0.00	9.82
		----------	Amount	Calc.	%Drift	----------		
67		trans-1,3-Dichloropropene	25.000	24.916	0.3	111	0.00	9.89
		----------	AvgRF	CCRF	%Dev	----------		
68		Tetrachloroethene	0.268	0.263	1.9	99	0.00	9.91
69		Ethyl methacrylate	0.303	0.317	-4.6	113	0.00	10.01
70		1,1,2-Trichloroethane	0.185	0.196	-5.9	108	0.00	10.05
71		Dibromochloromethane	0.273	0.256	6.2	96	0.00	10.26
72		1,3-Dichloropropane	0.338	0.353	-4.4	109	0.00	10.34
73		1,2-Dibromoethane	0.260	0.265	-1.9	103	0.00	10.51
74		3,3-dimethyl-1-butanol	0.081	0.087	-7.4	115	0.00	10.61
		----------	Amount	Calc.	%Drift	----------		
75		2-hexanone	125.000	162.919	-30.3#	142	0.00	10.65
		----------	AvgRF	CCRF	%Dev	----------		
76		1-Chlorohexane	0.294	0.305	-3.7	111	0.00	10.96
77		Ethylbenzene	1.084	1.110	-2.4	113	0.00	11.02
78		Chlorobenzene	0.661	0.665	-0.6	110	0.00	11.02
79		1,1,1,2-Tetrachloroethane	0.242	0.237	2.1	106	0.00	11.07
80		m,p-Xylene	0.813	0.836	-2.8	111	0.00	11.16
81		o-Xylene	0.839	0.880	-4.9	114	0.00	11.60
82		Styrene	0.592	0.617	-4.2	108	0.00	11.65
		----------	Amount	Calc.	%Drift	----------		
83		Bromoform	25.000	21.275	14.9	100	0.00	11.71
		----------	AvgRF	CCRF	%Dev	----------		
84		Isopropylbenzene	1.032	1.020	1.2	106	0.00	11.91
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	108	0.00	13.36
86	S	4-Bromofluorobenzene	0.785	0.793	-1.0	107	0.00	12.22
87		cis-1,4-Dichloro-2-butene	0.170	0.181	-6.5	120	0.00	12.26
88		n-Propylbenzene	2.254	2.276	-1.0	109	0.00	12.33
89		Bromobenzene	0.537	0.517	3.7	104	0.00	12.35
90		1,1,2,2-Tetrachloroethane	0.724	0.729	-0.7	112	0.00	12.38
91		1,3,5-Trimethylbenzene	1.629	1.593	2.2	106	0.00	12.51
92		2-Chlorotoluene	1.549	1.514	2.3	107	0.00	12.52
93		trans-1,4-Dichloro-2-Bute	0.156	0.173	-10.9	111	0.00	12.57
94		1,2,3-Trichloropropane	0.253	0.252	0.4	104	0.00	12.54
95		Cyclohexanone	0.042	0.053	-26.2#	127	0.00	12.60
96		4-Chlorotoluene	1.386	1.324	4.5	109	0.00	12.68
97		tert-Butylbenzene	0.920	0.863	6.2	106	0.00	12.85
98		1,2,4-Trimethylbenzene	1.566	1.558	0.5	108	0.00	12.92
99		Pentachloroethane	0.269	0.268	0.4	101	0.00	12.90
100		sec-Butylbenzene	1.986	1.985	0.1	109	0.00	13.04
101		4-Isopropyltoluene	1.677	1.618	3.5	104	0.00	13.17
102		1,3-Dichlorobenzene	0.934	0.898	3.9	104	0.00	13.30
103		1,2,3-Trimethylbenzene	1.706	1.697	0.5	109	0.00	13.38
104		1,4-Dichlorobenzene	1.035	0.971	6.2	107	0.00	13.38
105		n-Butylbenzene	0.771	0.869	-12.7	114	0.00	13.61
		----------	Amount	Calc.	%Drift	----------		
106		Benzyl Chloride	25.000	24.389	2.4	102	0.00	13.63
		----------	AvgRF	CCRF	%Dev	----------		
107		1,2-Dichlorobenzene	0.907	0.965	-6.4	113	0.00	13.82
108		1,2-Dibromo-3-Chloropropa	0.175	0.198	-13.1	116	0.00	14.58

Continuing Calibration Summary

Job Number: FC21423
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VI3447-CC3431
Lab FileID: I768783.D

109	Hexachlorobutadiene	0.198	0.235	-18.7	127	0.00	15.15
110	1,2,4-Trichlorobenzene	0.511	0.570	-11.5	118	0.00	15.19
111	Naphthalene	1.907	1.956	-2.6	108	0.00	15.46
112	1,2,3-Trichlorobenzene	0.472	0.525	-11.2	114	0.00	15.63

(#) = Out of Range SPCC's out = 0 CCC's out = 0
I768381.D VI3431_12-05-2024.m Mon Dec 23 09:30:08 2024

Continuing Calibration Summary

Job Number: FC21423
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VI3447-ECC3431
Lab FileID: I768809.D

Evaluate Continuing Calibration Report

Data File : R:\GBS Manila Data V...3447\VI3447\I768809.d Vial: 28
Acq On : 23 Dec 2024 8:06 pm Operator: davidw
Sample : ECC3431-4 Inst : VOA16-MSI
Misc : MS58202,VI3447,,,,, Multiplr: 1.00
MS Integration Params: tiny.p

Method : R:\GBS Manila Da...431_12-05-2024.m (RTE Integrator)
Title : SW-846 Method 5030/8260D & EPA 624.1
Last Update : Thu Dec 05 11:12:39 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 50% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	111	0.00	7.85
2	Dichlorodifluoromethane	0.216	0.213	1.4	106	0.00	2.35
3	Chloromethane	0.152	0.162	-6.6	116	0.00	2.64
4	Vinyl Chloride	0.168	0.190	-13.1	123	0.00	2.77
5	1,3-Butadiene	0.094	0.146	-55.3#	162	0.00	2.79
6	Bromomethane	0.124	0.102	17.7	100	0.00	3.23
		True	Calc.	% Drift			
7	Chloroethane	25.000	20.367	18.5	92	0.00	3.40
		AvgRF	CCRF	% Dev			
8	Trichlorofluoromethane	0.435	0.355	18.4	87	0.01	3.59
9	Ethyl Ether	0.146	0.167	-14.4	131	0.00	4.02
10	1,2-Dichlorotrifluoroetha	0.185	0.192	-3.8	114	0.00	4.24
11	1,1-Dichloroethene	0.221	0.226	-2.3	112	0.00	4.27
		True	Calc.	% Drift			
12	Ethanol	500.000	602.485	-20.5	130	-0.03	4.21
		AvgRF	CCRF	% Dev			
13	Freon 113	0.174	0.166	4.6	100	0.00	4.32
14	Carbon Disulfide	0.479	0.404	15.7	96	0.00	4.32
		True	Calc.	% Drift			
15	Iodomethane	25.000	23.260	7.0	120	0.00	4.46
		AvgRF	CCRF	% Dev			
16	Acrolein	0.042	0.043	-2.4	111	0.00	4.68
17	Allyl chloride	0.144	0.160	-11.1	119	0.00	4.85
		True	Calc.	% Drift			
18	Methylene Chloride	25.000	25.652	-2.6	113	0.00	4.98
		AvgRF	CCRF	% Dev			
19	Acetone	0.102	0.121	-18.6	135	0.00	5.02
20	Methyl acetate	0.174	0.209	-20.1	128	0.00	5.17
21	trans-1,2-Dichloroethene	0.201	0.208	-3.5	110	0.00	5.18
22	Hexane	0.102	0.107	-4.9	109	0.00	5.28
23	Methyl Tert Butyl Ether	0.545	0.510	6.4	105	0.00	5.29
24	Tert butyl alcohol	0.082	0.083	-1.2	115	-0.01	5.39
		True	Calc.	% Drift			

Continuing Calibration Summary

Job Number: FC21423
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY
Sample: VI3447-ECC3431
Lab FileID: I768809.D

25		Acetonitrile	250.000	274.351	-9.7	124	0.00	5.56
		----------	AvgRF	CCRF	% Dev	----------		
26		Di-isopropyl ether	0.372	0.411	-10.5	120	0.00	5.73
27		Chloroprene	0.164	0.180	-9.8	115	0.00	5.87
28		1,1-Dichloroethane	0.271	0.275	-1.5	112	0.00	5.88
29		Acrylonitrile	0.102	0.119	-16.7	122	0.00	5.92
30		ETBE	0.476	0.498	-4.6	116	0.00	6.13
		----------	True	Calc.	% Drift	----------		
31		Vinyl acetate	125.000	148.780	-19.0	128	0.00	6.14
32		cis-1,2-Dichloroethene	25.000	23.026	7.9	100	0.00	6.51
		----------	AvgRF	CCRF	% Dev	----------		
33		2,2-Dichloropropane	0.250	0.229	8.4	97	0.00	6.62
34		Bromochloromethane	0.097	0.101	-4.1	98	0.00	6.73
35		Cyclohexane	0.204	0.228	-11.8	115	0.00	6.75
36		Chloroform	0.332	0.322	3.0	105	0.00	6.79
37		Ethyl acetate	0.234	0.297	-26.9	130	0.00	6.88
38		Tetrahydrofuran	0.106	0.126	-18.9	125	0.00	6.98
39	S	Dibromofluoromethane	0.300	0.279	7.0	101	0.00	6.99
40		Carbon Tetrachloride	0.261	0.235	10.0	95	0.00	6.97
41		1,1,1-Trichloroethane	0.291	0.271	6.9	101	0.00	7.04
		----------	True	Calc.	% Drift	----------		
42		2-Butanone	125.000	155.724	-24.6	136	0.00	7.10
		----------	AvgRF	CCRF	% Dev	----------		
43		1,1-Dichloropropene	0.194	0.201	-3.6	109	0.00	7.17
44		tert-Butyl Formate	0.143	0.137	4.2	102	0.00	7.25
45		Propionitrile	0.048	0.060	-25.0	131	0.00	7.41
46		Methacrylonitrile	0.126	0.167	-32.5	154	0.00	7.43
47		Benzene	0.667	0.696	-4.3	113	0.00	7.43
48		TAME	0.532	0.547	-2.8	115	0.00	7.52
49	S	1,2-Dichloroethane-d4	0.281	0.313	-11.4	120	0.00	7.56
50		Isobutyl alcohol	0.013	0.016	-23.1	142	0.00	7.59
51		1,2-Dichloroethane	0.220	0.252	-14.5	123	0.00	7.63
52		Tert Amyl Alcohol	0.066	0.071	-7.6	119	0.00	7.70
53		Trichloroethene	0.196	0.190	3.1	104	0.00	8.05
		----------	True	Calc.	% Drift	----------		
54		Methylcyclohexane	25.000	24.570	1.7	108	0.00	8.05
		----------	AvgRF	CCRF	% Dev	----------		
55		Dibromomethane	0.129	0.132	-2.3	105	0.00	8.48
56		1,2-Dichloropropane	0.144	0.163	-13.2	117	0.00	8.57
57		Bromodichloromethane	0.239	0.238	0.4	105	0.00	8.62
		----------	True	Calc.	% Drift	----------		
58		Methyl methacrylate	25.000	30.952	-23.8	143	0.00	8.74
59		1,4-Dioxane	500.000	508.392	-1.7	106	0.00	8.82
60		2-Chloroethyl vinyl ether	125.000	128.919	-3.1	113	0.00	9.16
		----------	AvgRF	CCRF	% Dev	----------		
61		cis-1,3-Dichloropropene	0.257	0.260	-1.2	106	0.00	9.25
62	I	Chlorobenzene-d5	1.000	1.000	0.0	114	0.00	11.01
63	S	Toluene-d8	1.250	1.214	2.9	110	0.00	9.44
64		Toluene	0.944	0.890	5.7	109	0.00	9.50
65		2-Nitropropane	0.094	0.072	23.4	87	0.00	9.69

Continuing Calibration Summary

Job Number: FC21423
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VI3447-ECC3431
Lab FileID: I768809.D

66		4-Methyl-2-pentanone	0.309	0.390	-26.2	143	0.00	9.82
			True	Calc.	% Drift			
67		trans-1,3-Dichloropropene	25.000	23.777	4.9	113	0.00	9.90
			AvgRF	CCRF	% Dev			
68		Tetrachloroethene	0.268	0.270	-0.7	108	0.00	9.91
69		Ethyl methacrylate	0.303	0.324	-6.9	123	0.00	10.01
70		1,1,2-Trichloroethane	0.185	0.191	-3.2	112	0.00	10.06
71		Dibromochloromethane	0.273	0.245	10.3	97	0.00	10.26
72		1,3-Dichloropropane	0.338	0.348	-3.0	114	0.00	10.34
73		1,2-Dibromoethane	0.260	0.261	-0.4	107	0.00	10.51
74		3,3-dimethyl-1-butanol	0.081	0.092	-13.6	129	0.00	10.61
			True	Calc.	% Drift			
75		2-hexanone	125.000	158.529	-26.8	147	0.00	10.65
			AvgRF	CCRF	% Dev			
76		1-Chlorohexane	0.294	0.275	6.5	106	0.00	10.96
77		Ethylbenzene	1.084	1.056	2.6	114	0.00	11.02
78		Chlorobenzene	0.661	0.642	2.9	113	0.00	11.02
79		1,1,1,2-Tetrachloroethane	0.242	0.226	6.6	107	0.00	11.07
80		m,p-Xylene	0.813	0.798	1.8	113	0.00	11.16
81		o-Xylene	0.839	0.817	2.6	112	0.00	11.60
82		Styrene	0.592	0.603	-1.9	112	0.00	11.66
			True	Calc.	% Drift			
83		Bromoform	25.000	19.562	21.8	98	0.00	11.71
			AvgRF	CCRF	% Dev			
84		Isopropylbenzene	1.032	0.982	4.8	109	0.00	11.91
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	114	0.00	13.37
86	S	4-Bromofluorobenzene	0.785	0.797	-1.5	114	0.00	12.22
87		cis-1,4-Dichloro-2-butene	0.170	0.164	3.5	115	0.00	12.26
88		n-Propylbenzene	2.254	2.173	3.6	110	0.00	12.33
89		Bromobenzene	0.537	0.508	5.4	108	0.00	12.35
90		1,1,2,2-Tetrachloroethane	0.724	0.728	-0.6	118	0.00	12.39
91		1,3,5-Trimethylbenzene	1.629	1.549	4.9	109	0.00	12.51
92		2-Chlorotoluene	1.549	1.466	5.4	110	0.00	12.52
93		trans-1,4-Dichloro-2-Bute	0.156	0.148	5.1	100	0.00	12.57
94		1,2,3-Trichloropropane	0.253	0.252	0.4	111	0.00	12.54
95		Cyclohexanone	0.042	0.053	-26.2	134	0.00	12.61
96		4-Chlorotoluene	1.386	1.281	7.6	111	0.00	12.68
97		tert-Butylbenzene	0.920	0.836	9.1	108	0.00	12.85
98		1,2,4-Trimethylbenzene	1.566	1.506	3.8	110	0.00	12.92
99		Pentachloroethane	0.269	0.230	14.5	92	0.00	12.90
100		sec-Butylbenzene	1.986	1.854	6.6	108	0.00	13.04
101		4-Isopropyltoluene	1.677	1.566	6.6	107	0.00	13.17
102		1,3-Dichlorobenzene	0.934	0.866	7.3	107	0.00	13.30
103		1,2,3-Trimethylbenzene	1.706	1.657	2.9	113	0.00	13.38
104		1,4-Dichlorobenzene	1.035	0.926	10.5	108	0.00	13.38
105		n-Butylbenzene	0.771	0.769	0.3	107	0.00	13.61
			True	Calc.	% Drift			
106		Benzyl Chloride	25.000	19.305	22.8	84	0.00	13.63
			AvgRF	CCRF	% Dev			
107		1,2-Dichlorobenzene	0.907	0.870	4.1	108	0.00	13.83
108		1,2-Dibromo-3-Chloropropa	0.175	0.172	1.7	106	0.00	14.58

Continuing Calibration Summary

Job Number: FC21423
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VI3447-ECC3431
Lab FileID: I768809.D

109	Hexachlorobutadiene	0.198	0.190	4.0	109	0.00	15.15
110	1,2,4-Trichlorobenzene	0.511	0.470	8.0	103	0.00	15.19
111	Naphthalene	1.907	1.719	9.9	100	0.00	15.46
112	1,2,3-Trichlorobenzene	0.472	0.453	4.0	104	0.00	15.63

(#) = Out of Range SPCC's out = 0 CCC's out = 0
I768381.D VI3431_12-05-2024.m Tue Dec 24 09:27:44 2024

Run Sequence Report

Job Number: FC21423
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Run ID: VI3431	**Method:** SW846 8260D	**Instrument ID:** GCMSI

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VI3431-BFB	I768376.D	12/05/24 05:50	n/a	BFB Tune
VI3431-IC3431	I768377.D	12/05/24 06:19	n/a	Initial cal 1
VI3431-IC3431	I768378.D	12/05/24 06:43	n/a	Initial cal 8
VI3431-IC3431	I768379.D	12/05/24 07:07	n/a	Initial cal 2
VI3431-IC3431	I768380.D	12/05/24 07:31	n/a	Initial cal 3
VI3431-IC3431	I768381.D	12/05/24 07:55	n/a	Initial cal 4
VI3431-ICC3431	I768382.D	12/05/24 08:19	n/a	Initial cal 5
VI3431-IC3431	I768383.D	12/05/24 08:43	n/a	Initial cal 6
VI3431-IC3431	I768384.D	12/05/24 09:07	n/a	Initial cal 7
VI3431-ICV3431	I768386.D	12/05/24 10:00	n/a	Initial cal verification 5

Run Sequence Report

Job Number: FC21423
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Run ID: VI3447 **Method:** SW846 8260D **Instrument ID:** GCMSI

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VI3447-BFB	I768782.D	12/23/24 08:38	n/a	BFB Tune
VI3447-CC3431	I768783.D	12/23/24 09:11	n/a	Continuing cal 4
VI3447-BS	I768784.D	12/23/24 09:51	n/a	Blank Spike
VI3447-MB	I768786.D	12/23/24 10:51	n/a	Method Blank
ZZZZZZ	I768788.D	12/23/24 11:39	n/a	(unrelated sample)
ZZZZZZ	I768789.D	12/23/24 12:03	n/a	(unrelated sample)
FC21423-1	I768790.D	12/23/24 12:28	n/a	789MW-135_1224
FC21423-2	I768791.D	12/23/24 12:52	n/a	789MW-46R_1224
FC21423-3	I768792.D	12/23/24 13:16	n/a	789MW-83_1224
FC21423-4	I768793.D	12/23/24 13:40	n/a	789MW-95_1224
FC21423-5	I768794.D	12/23/24 14:04	n/a	789MW-99_1224
FC21423-6	I768795.D	12/23/24 14:28	n/a	789MW-99_1224-A
FC21423-7	I768796.D	12/23/24 14:53	n/a	789MW-216_1224
FC21423-8	I768797.D	12/23/24 15:17	n/a	789MW-222_1224
FC21423-9	I768798.D	12/23/24 15:41	n/a	789MW-251_1224
FC21423-10	I768799.D	12/23/24 16:05	n/a	789SW-02_1224
FC21423-11	I768800.D	12/23/24 16:29	n/a	789SW-03_1224
FC21423-12	I768801.D	12/23/24 16:53	n/a	789SW-04_1224
FC21423-13	I768802.D	12/23/24 17:18	n/a	789-AB01_1224-D
FC21423-14	I768803.D	12/23/24 17:42	n/a	789-TB01_1224-C
ZZZZZZ	I768804.D	12/23/24 18:06	n/a	(unrelated sample)
ZZZZZZ	I768805.D	12/23/24 18:30	n/a	(unrelated sample)
ZZZZZZ	I768806.D	12/23/24 18:54	n/a	(unrelated sample)
FC21423-8MS	I768807.D	12/23/24 19:18	n/a	Matrix Spike
FC21423-8MSD	I768808.D	12/23/24 19:42	n/a	Matrix Spike Duplicate
VI3447-ECC3431	I768809.D	12/23/24 20:06	n/a	Ending cal 4

MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3447\
Data File : I768790.d
Acq On : 23 Dec 2024 12:28 pm
Operator : davidw
Sample : FC21423-1 Inst : VOA16-MSI
Misc : MS58202,VI3447,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 24 09:05:59 2024
Quant Method : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3431_12-05-20
... 24.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Dec 05 11:12:39 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.854	96	261652	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.006	117	217326	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.371	152	115598	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	6.988	113	77585	49.44	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.88%			
49) 1,2-Dichloroethane-d4	7.555	65	78772	53.52	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 107.04%			
63) Toluene-d8	9.445	98	263161	48.44	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 96.88%			
86) 4-Bromofluorobenzene	12.219	174	90565	49.88	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.76%			

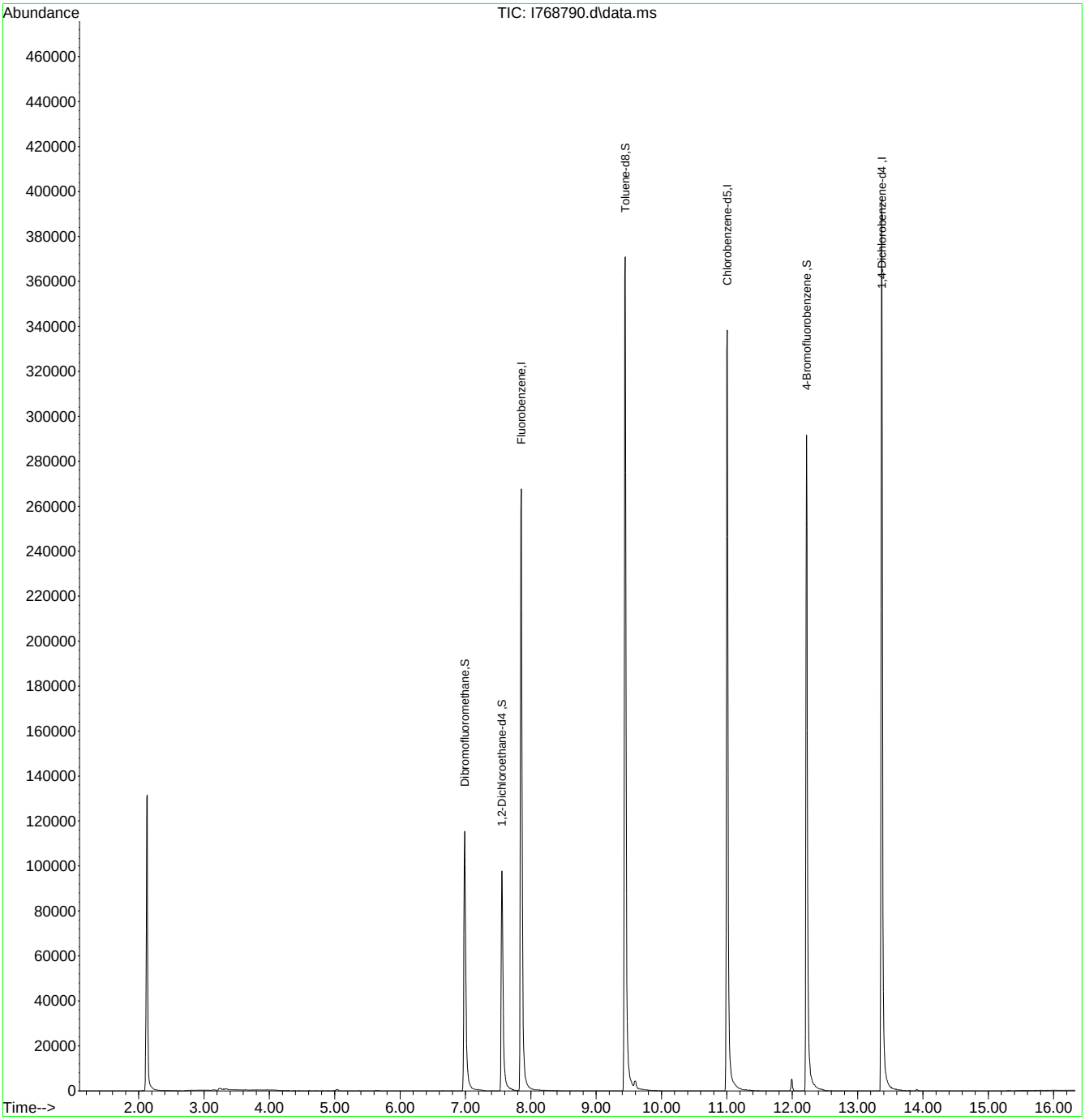
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3447\
Data File : I768790.d
Acq On : 23 Dec 2024 12:28 pm
Operator : davidw
Sample : FC21423-1 Inst : VOA16-MSI
Misc : MS58202,VI3447,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 24 09:05:59 2024
Quant Method : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3431_12-05-20
... 24.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Dec 05 11:12:39 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3447\
Data File : I768791.d
Acq On : 23 Dec 2024 12:52 pm
Operator : davidw
Sample : FC21423-2 Inst : VOA16-MSI
Misc : MS58202,VI3447,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 24 09:09:21 2024
Quant Method : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3431_12-05-20
... 24.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Dec 05 11:12:39 2024
Response via : Initial Calibration

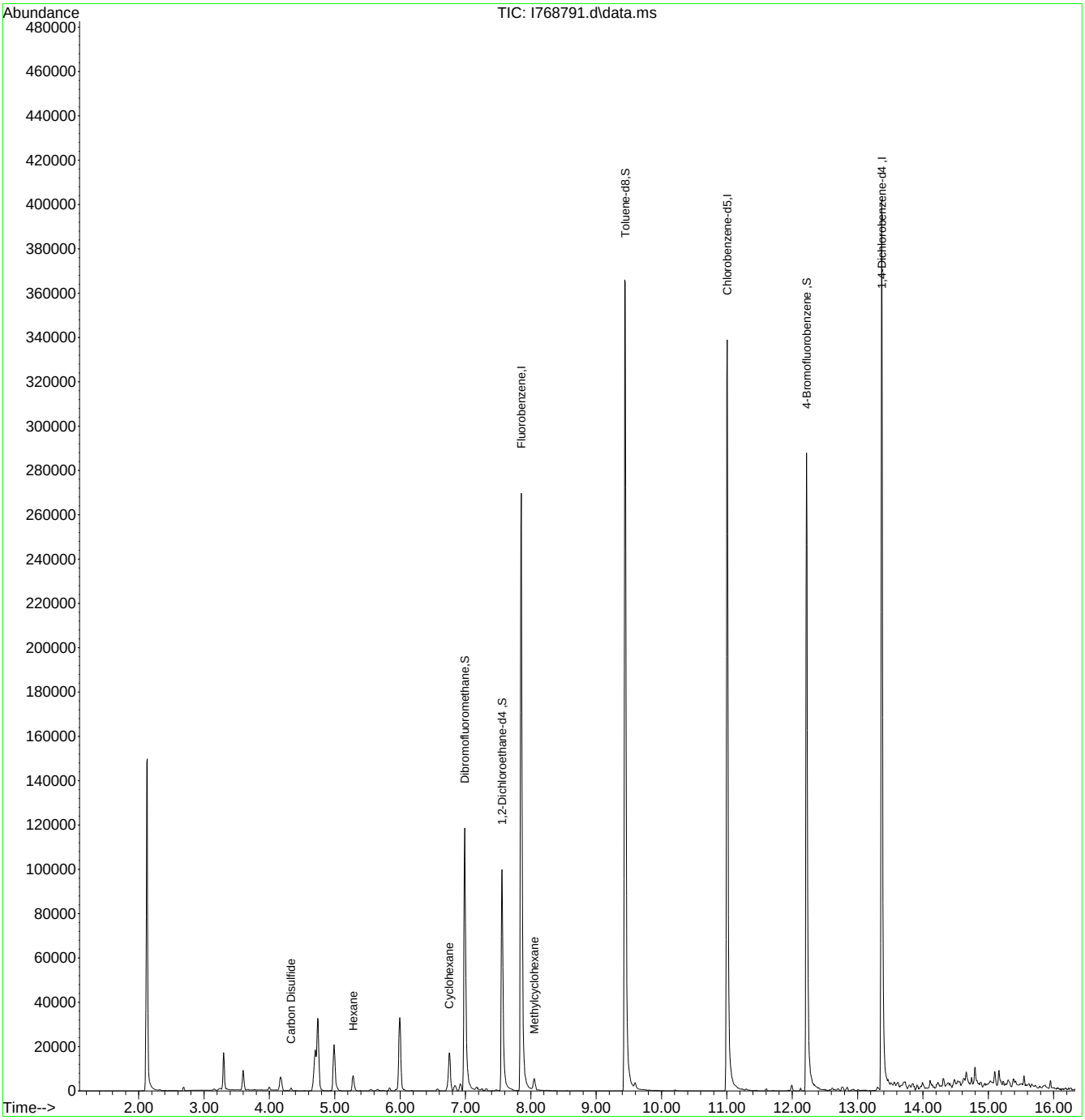
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.854	96	261032	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.006	117	216570	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.371	152	115810	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	6.988	113	77995	49.82	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.64%			
49) 1,2-Dichloroethane-d4	7.561	65	78198	53.26	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 106.52%			
63) Toluene-d8	9.445	98	262991	48.58	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 97.16%			
86) 4-Bromofluorobenzene	12.219	174	90981	50.02	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.04%			
Target Compounds						Qvalue
14) Carbon Disulfide	4.330	76	1677	0.6710	ug/L	78
22) Hexane	5.281	56	2215	4.1756	ug/L #	85
35) Cyclohexane	6.750	56	8542	8.0204	ug/L	93
54) Methylcyclohexane	8.055	83	2620	1.8846	ug/L	88

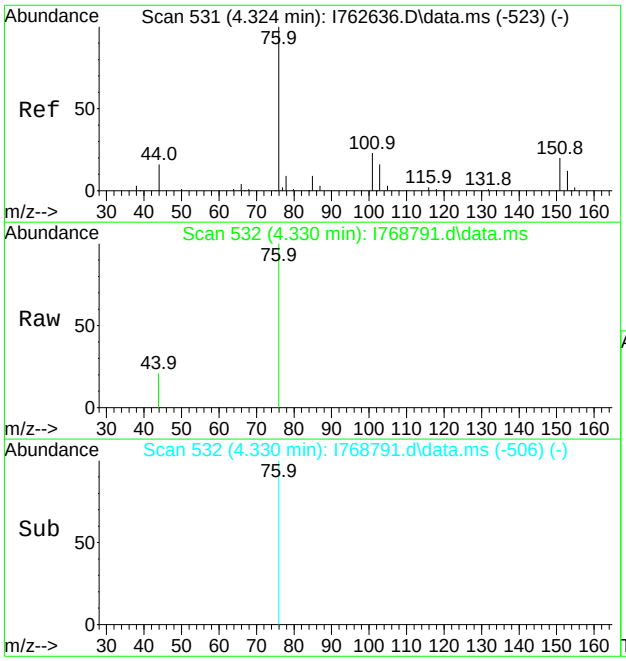
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3447\
Data File : I768791.d
Acq On : 23 Dec 2024 12:52 pm
Operator : davidw
Sample : FC21423-2 Inst : VOA16-MSI
Misc : MS58202,VI3447,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 24 09:09:21 2024
Quant Method : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3431_12-05-20
... 24.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Dec 05 11:12:39 2024
Response via : Initial Calibration

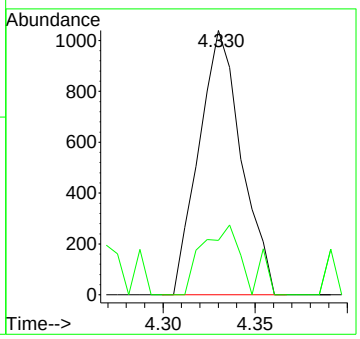


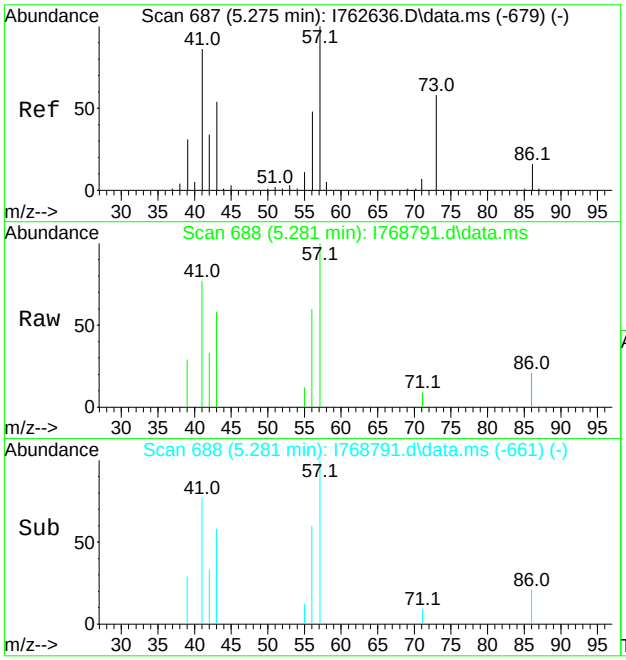


#14
Carbon Disulfide
Concen: 0.6710 ug/L
RT: 4.330 min Scan# 532
Delta R.T. 0.006 min
Lab File: I768791.d
Acq: 23 Dec 2024 12:52 pm

Tgt Ion: 76 Resp: 1677

Ion	Ratio	Lower	Upper
76	100		
44	20.6	0.0	41.9

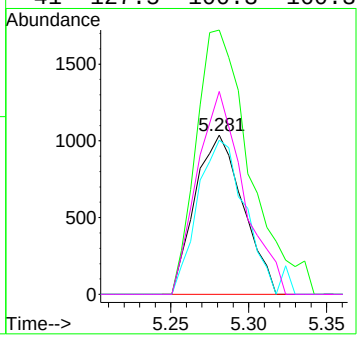


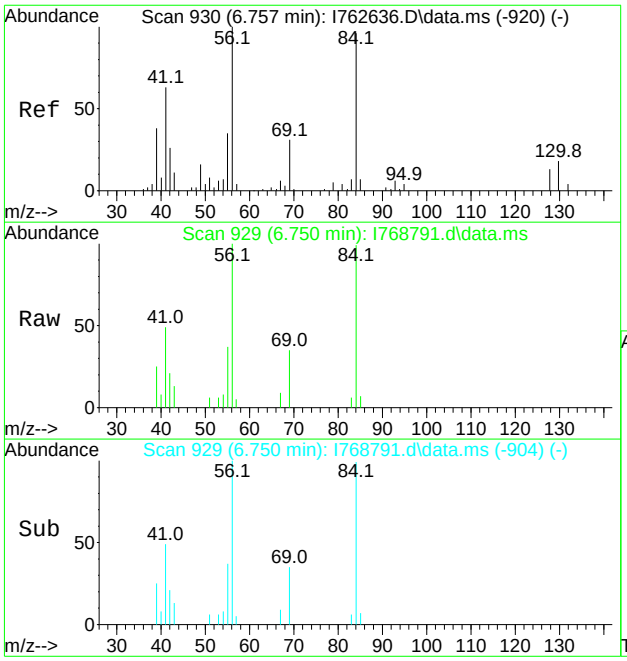


#22
Hexane
Concen: 4.1756 ug/L
RT: 5.281 min Scan# 688
Delta R.T. 0.012 min
Lab File: I768791.d
Acq: 23 Dec 2024 12:52 pm

Tgt Ion: 56 Resp: 2215

Ion	Ratio	Lower	Upper
56	100		
57	166.2	175.3	235.3#
43	96.8	77.9	137.9
41	127.5	100.3	160.3

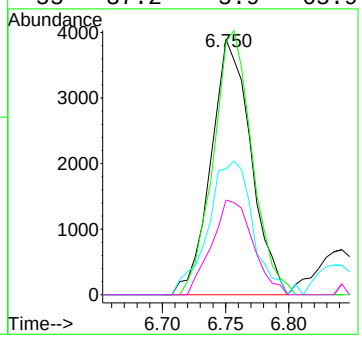


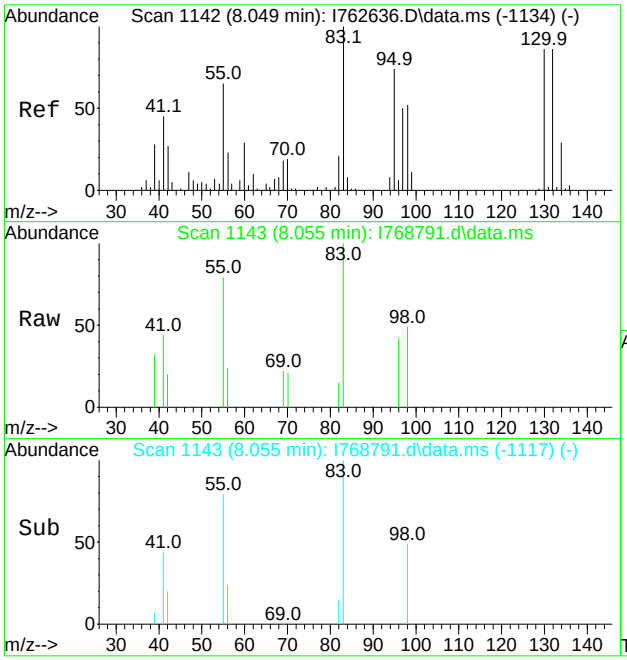


#35
Cyclohexane
Concen: 8.0204 ug/L
RT: 6.750 min Scan# 929
Delta R.T. 0.000 min
Lab File: I768791.d
Acq: 23 Dec 2024 12:52 pm

Tgt Ion: 56 Resp: 8542

Ion	Ratio	Lower	Upper
56	100		
84	99.0	79.9	139.9
41	49.3	18.3	78.3
55	37.2	5.9	65.9

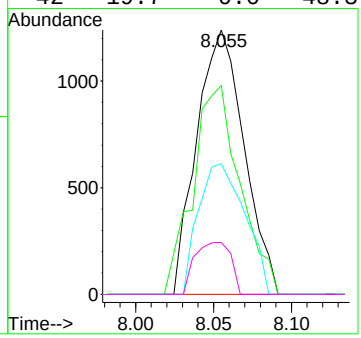




#54
Methylcyclohexane
Concen: 1.8846 ug/L
RT: 8.055 min Scan# 1143
Delta R.T. 0.006 min
Lab File: I768791.d
Acq: 23 Dec 2024 12:52 pm

Tgt Ion: 83 Resp: 2620

Ion	Ratio	Lower	Upper
83	100		
55	79.0	32.9	92.9
98	49.4	22.1	82.1
42	19.7	0.0	48.3



Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3447\
Data File : I768792.d
Acq On : 23 Dec 2024 1:16 pm
Operator : davidw
Sample : FC21423-3 Inst : VOA16-MSI
Misc : MS58202,VI3447,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 24 09:10:02 2024
Quant Method : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3431_12-05-20
... 24.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Dec 05 11:12:39 2024
Response via : Initial Calibration

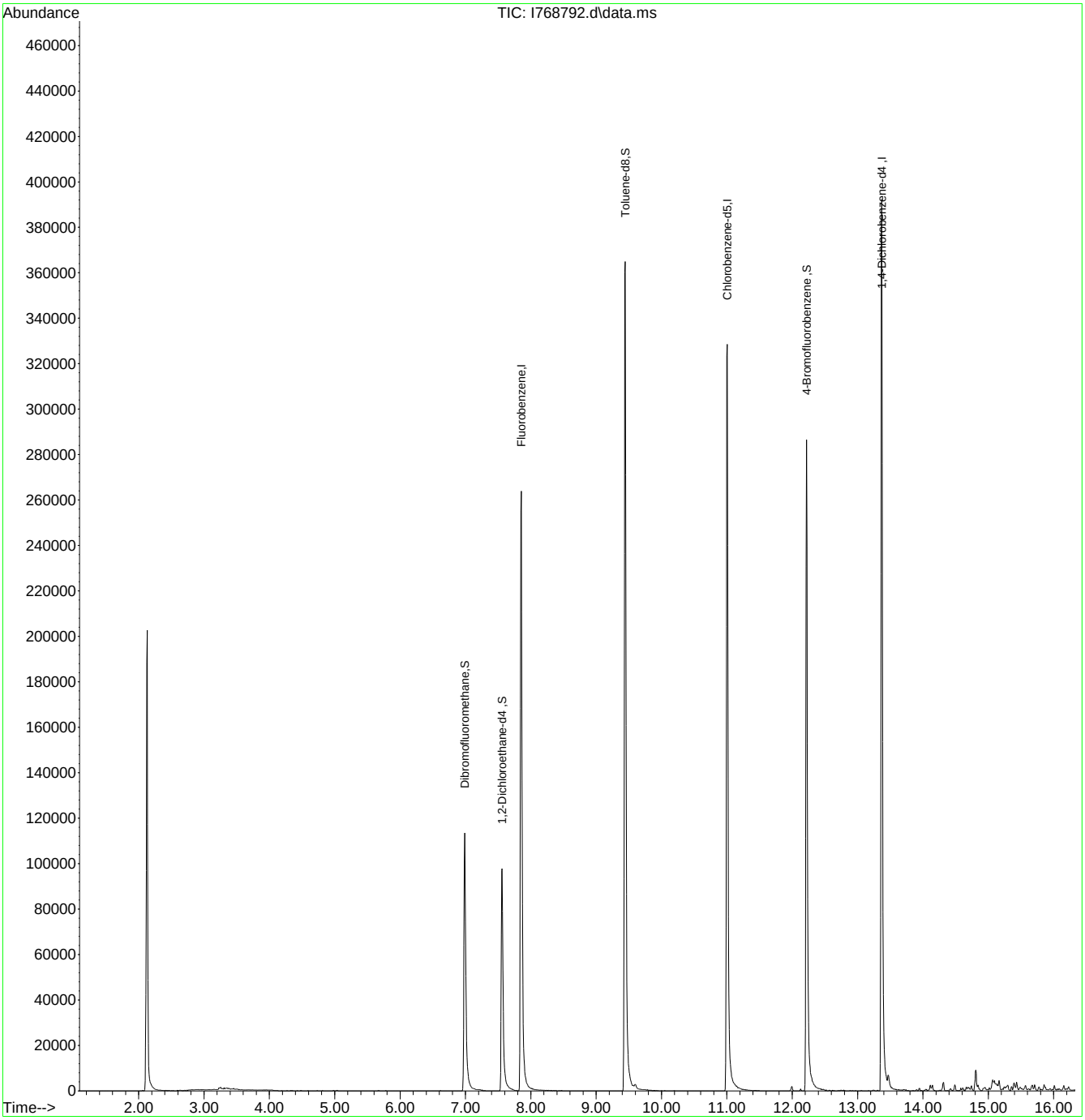
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.854	96	256168	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.006	117	213832	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.371	152	114710	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	6.988	113	75369	49.06	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.12%			
49) 1,2-Dichloroethane-d4	7.561	65	77629	53.87	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 107.74%			
63) Toluene-d8	9.445	98	261829	48.98	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 97.96%			
86) 4-Bromofluorobenzene	12.219	174	90107	50.01	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.02%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3447\
Data File : I768792.d
Acq On : 23 Dec 2024 1:16 pm
Operator : davidw
Sample : FC21423-3 Inst : VOA16-MSI
Misc : MS58202,VI3447,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 24 09:10:02 2024
Quant Method : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3431_12-05-20
... 24.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Dec 05 11:12:39 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3447\
Data File : I768793.d
Acq On : 23 Dec 2024 1:40 pm
Operator : davidw
Sample : FC21423-4 Inst : VOA16-MSI
Misc : MS58202,VI3447,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 24 09:10:54 2024
Quant Method : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3431_12-05-20
... 24.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Dec 05 11:12:39 2024
Response via : Initial Calibration

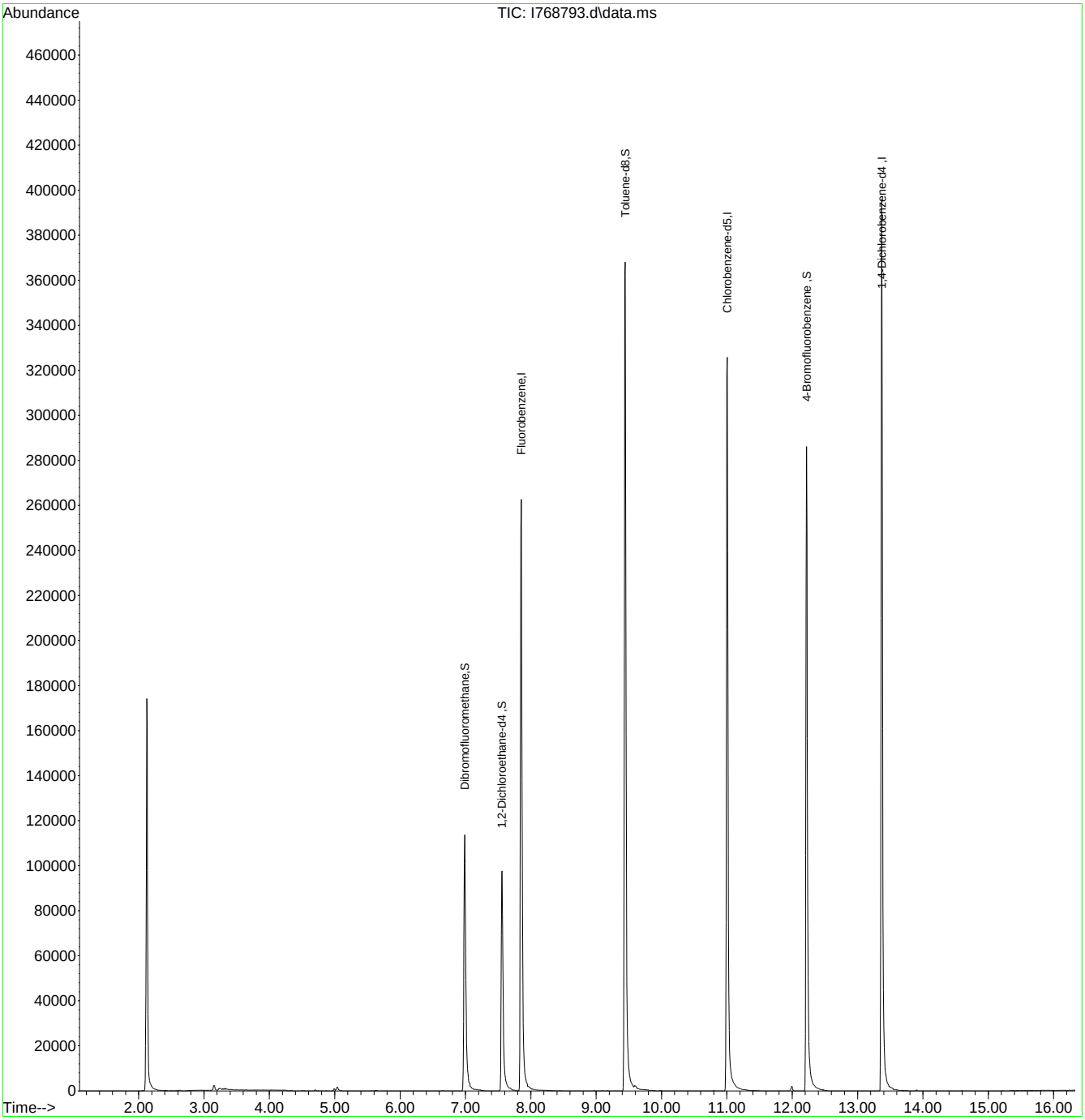
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.854	96	255622	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.006	117	212703	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.371	152	113994	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	6.988	113	76244	49.73	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.46%			
49) 1,2-Dichloroethane-d4	7.555	65	76488	53.20	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 106.40%			
63) Toluene-d8	9.445	98	260843	49.06	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 98.12%			
86) 4-Bromofluorobenzene	12.219	174	90223	50.39	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.78%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3447\
Data File : I768793.d
Acq On : 23 Dec 2024 1:40 pm
Operator : davidw
Sample : FC21423-4 Inst : VOA16-MSI
Misc : MS58202,VI3447,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 24 09:10:54 2024
Quant Method : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3431_12-05-20
... 24.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Dec 05 11:12:39 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3447\
Data File : I768794.d
Acq On : 23 Dec 2024 2:04 pm
Operator : davidw
Sample : FC21423-5 Inst : VOA16-MSI
Misc : MS58202,VI3447,,,,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 24 09:12:59 2024
Quant Method : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3431_12-05-20
... 24.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Dec 05 11:12:39 2024
Response via : Initial Calibration

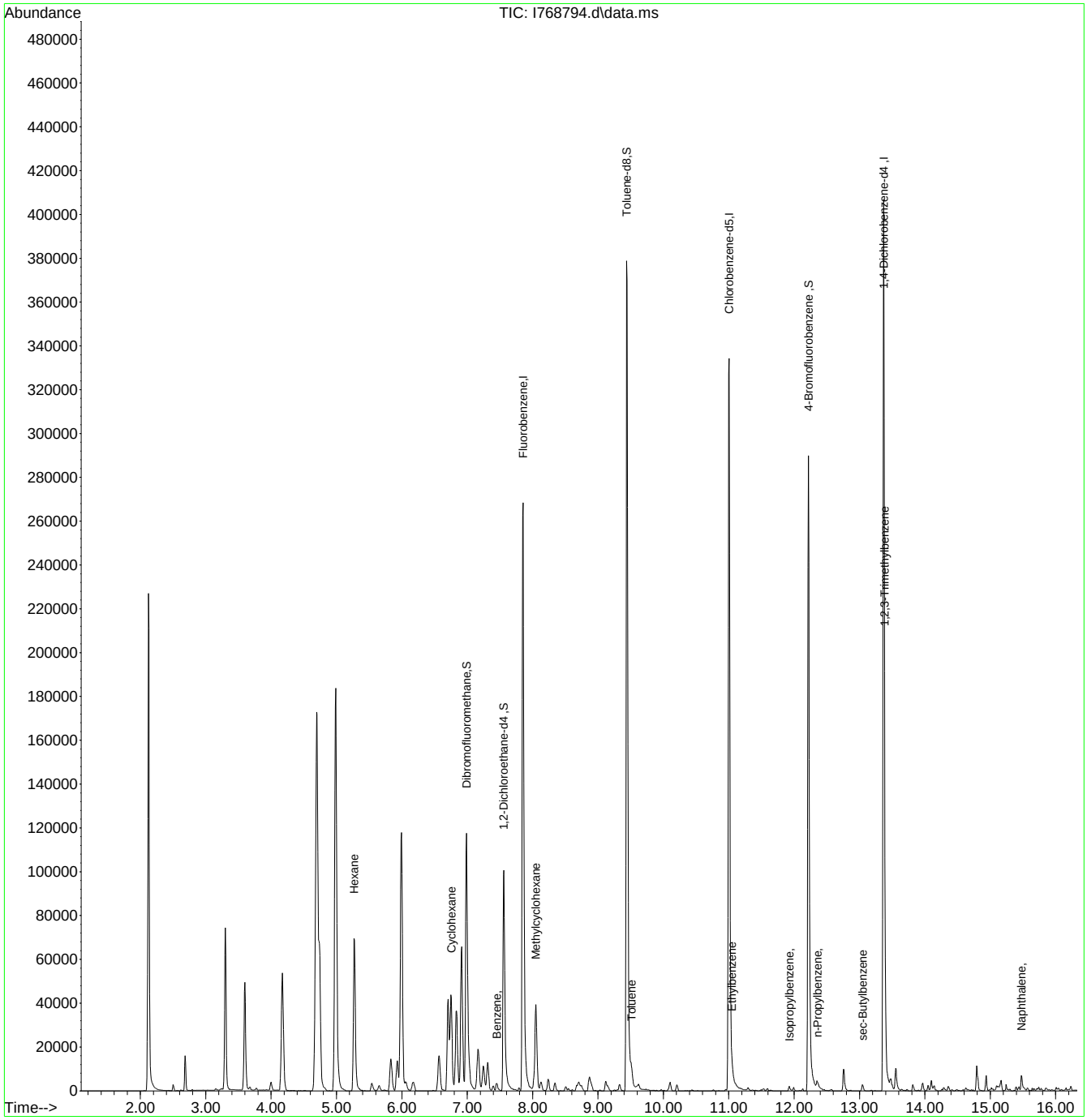
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.854	96	262412	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.006	117	214340	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.371	152	115700	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	6.988	113	76988	48.92	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.84%			
49) 1,2-Dichloroethane-d4	7.555	65	78788	53.38	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 106.76%			
63) Toluene-d8	9.439	98	264470	49.36	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 98.72%			
86) 4-Bromofluorobenzene	12.219	174	90221	49.65	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.30%			
Target Compounds						Qvalue
22) Hexane	5.269	56	19909	37.3344	ug/L	92
35) Cyclohexane	6.757	56	18658	17.4265	ug/L	97
47) Benzene	7.451	78	4849	1.3859	ug/L #	51
54) Methylcyclohexane	8.049	83	17309	12.3853	ug/L	95
64) Toluene	9.512	91	1955	0.4833	ug/L	86
77) Ethylbenzene	11.048	91	2860	0.6153	ug/L	85
84) Isopropylbenzene	11.926	105	2618	0.5916	ug/L	89
88) n-Propylbenzene	12.359	91	4953	0.9494	ug/L	94
100) sec-Butylbenzene	13.048	105	3030	0.6595	ug/L	84
103) 1,2,3-Trimethylbenzene	13.383	105	16390	4.1522	ug/L	90
111) Naphthalene	15.474	128	7864	1.7816	ug/L	100

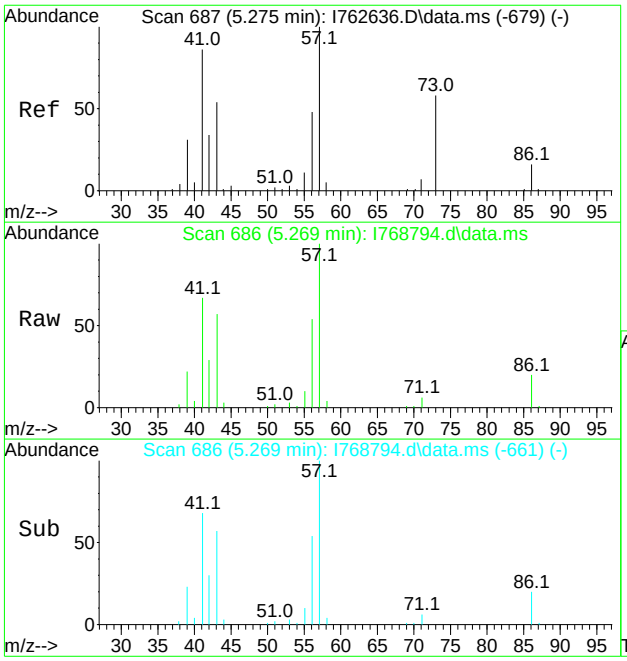
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3447\
Data File : I768794.d
Acq On : 23 Dec 2024 2:04 pm
Operator : davidw
Sample : FC21423-5 Inst : VOA16-MSI
Misc : MS58202,VI3447,,,,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 24 09:12:59 2024
Quant Method : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3431_12-05-20
... 24.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Dec 05 11:12:39 2024
Response via : Initial Calibration

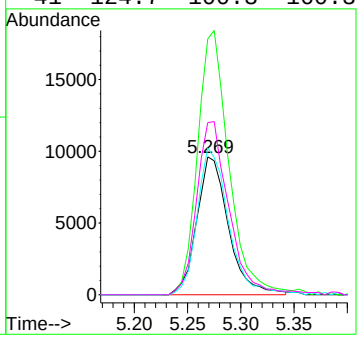


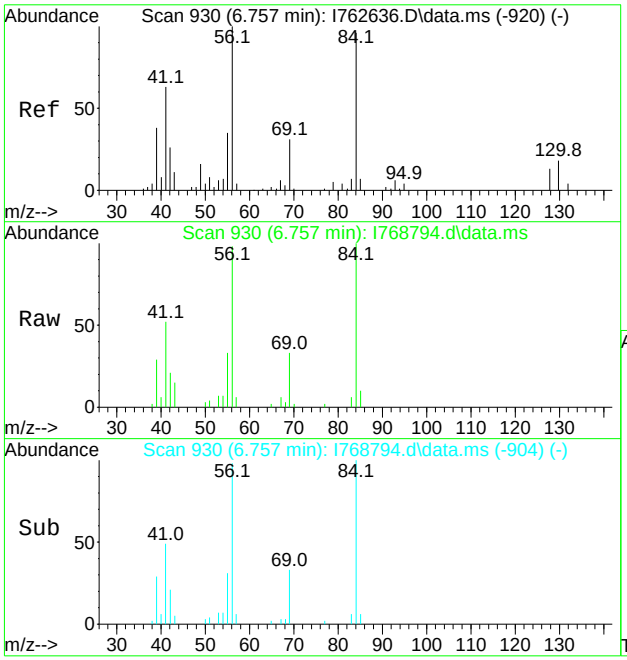


#22
Hexane
Concen: 37.3344 ug/L
RT: 5.269 min Scan# 686
Delta R.T. -0.000 min
Lab File: I768794.d
Acq: 23 Dec 2024 2:04 pm

Tgt Ion: 56 Resp: 19909

Ion	Ratio	Lower	Upper
56	100		
57	185.3	175.3	235.3
43	106.2	77.9	137.9
41	124.7	100.3	160.3

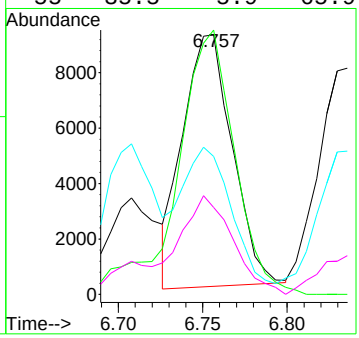


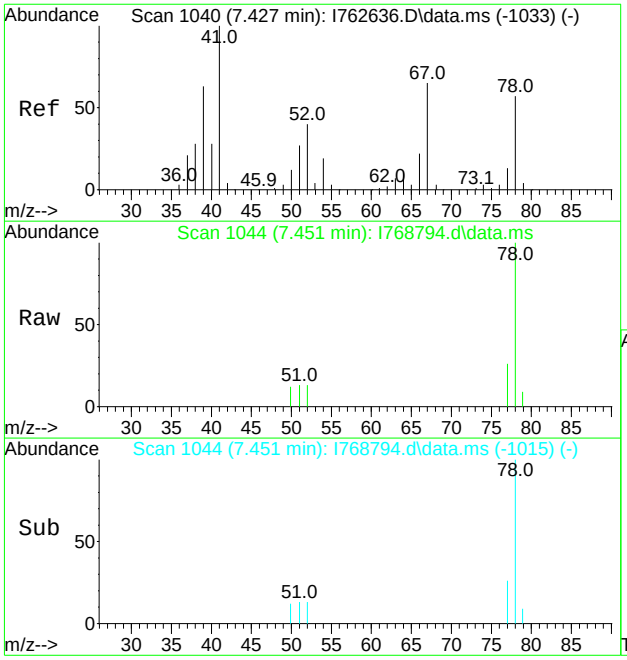


#35
Cyclohexane
Concen: 17.4265 ug/L
RT: 6.757 min Scan# 930
Delta R.T. 0.006 min
Lab File: I768794.d
Acq: 23 Dec 2024 2:04 pm

Tgt Ion: 56 Resp: 18658

Ion	Ratio	Lower	Upper
56	100		
84	104.9	79.9	139.9
41	49.5	18.3	78.3
55	35.5	5.9	65.9

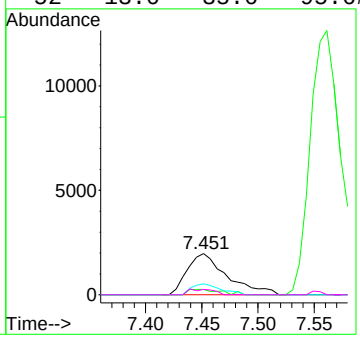


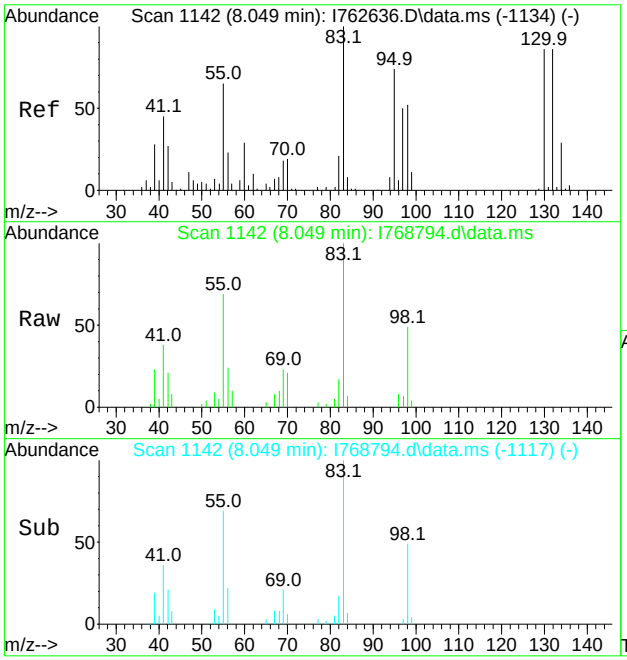


#47
Benzene
Concen: 1.3859 ug/L
RT: 7.451 min Scan# 1044
Delta R.T. 0.024 min
Lab File: I768794.d
Acq: 23 Dec 2024 2:04 pm

Tgt Ion: 78 Resp: 4849

Ion	Ratio	Lower	Upper
78	100		
51	12.9	12.6	72.6
77	26.4	0.0	54.2
52	13.0	35.6	95.6#

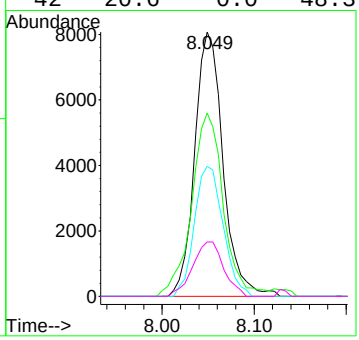


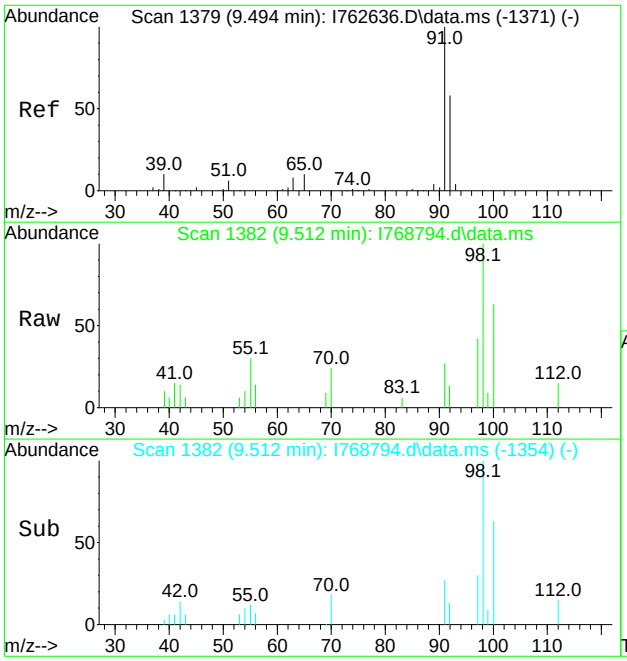


#54
Methylcyclohexane
Concen: 12.3853 ug/L
RT: 8.049 min Scan# 1142
Delta R.T. -0.000 min
Lab File: I768794.d
Acq: 23 Dec 2024 2:04 pm

Tgt Ion: 83 Resp: 17309

Ion	Ratio	Lower	Upper
83	100		
55	67.1	32.9	92.9
98	49.2	22.1	82.1
42	20.6	0.0	48.3

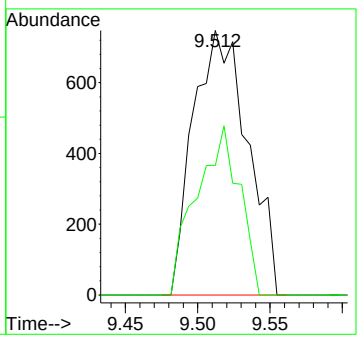


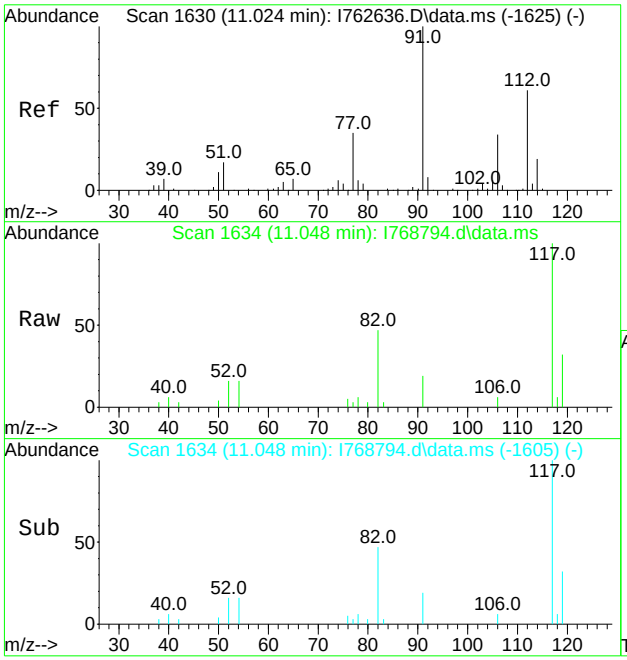


#64
Toluene
Concen: 0.4833 ug/L
RT: 9.512 min Scan# 1382
Delta R.T. 0.018 min
Lab File: I768794.d
Acq: 23 Dec 2024 2:04 pm

Tgt Ion: 91 Resp: 1955

Ion	Ratio	Lower	Upper
91	100		
92	48.9	29.3	89.3

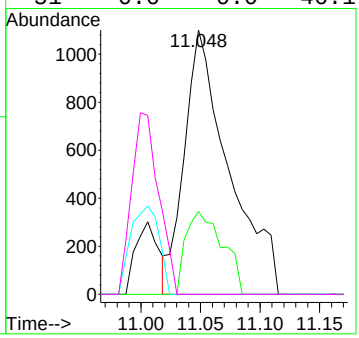


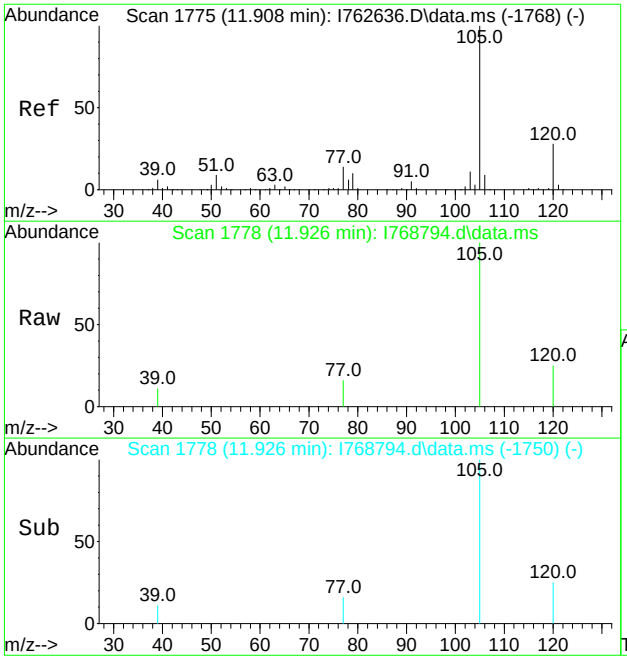


#77
Ethylbenzene
Concen: 0.6153 ug/L
RT: 11.048 min Scan# 1634
Delta R.T. 0.024 min
Lab File: I768794.d
Acq: 23 Dec 2024 2:04 pm

Tgt Ion: 91 Resp: 2860

Ion	Ratio	Lower	Upper
91	100		
106	31.4	2.9	62.9
65	0.0	0.0	38.0
51	0.0	0.0	46.1

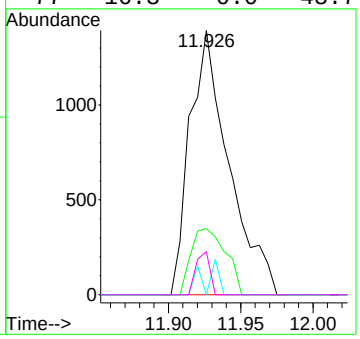


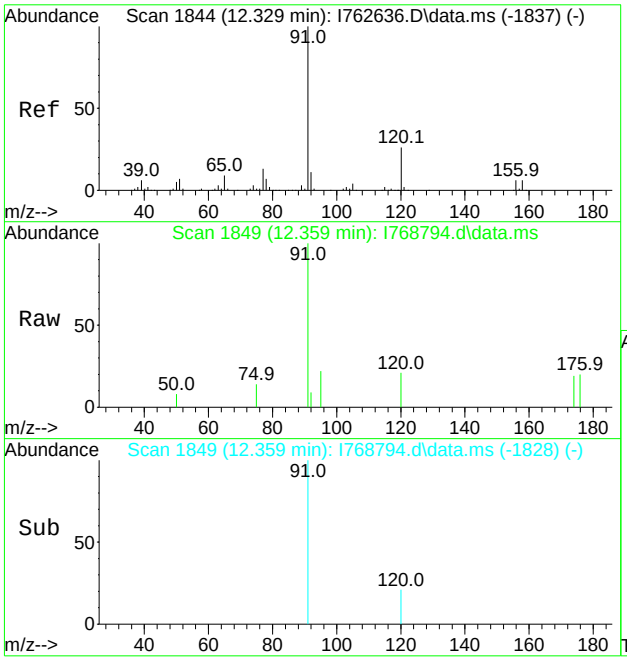


#84
Isopropylbenzene
Concen: 0.5916 ug/L
RT: 11.926 min Scan# 1778
Delta R.T. 0.018 min
Lab File: I768794.d
Acq: 23 Dec 2024 2:04 pm

Tgt Ion:105 Resp: 2618

Ion	Ratio	Lower	Upper
105	100		
120	25.0	0.0	57.8
79	0.0	0.0	41.0
77	16.3	0.0	43.7

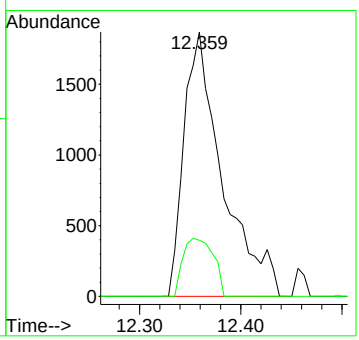


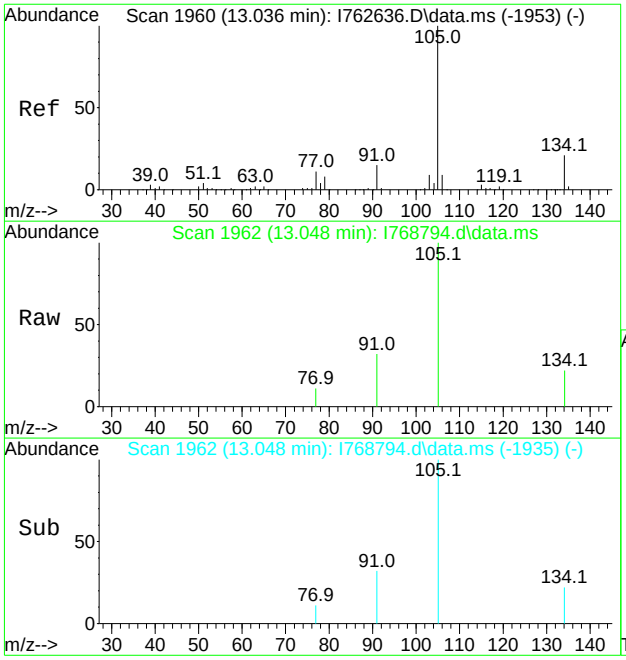


#88
n-Propylbenzene
Concen: 0.9494 ug/L
RT: 12.359 min Scan# 1849
Delta R.T. 0.030 min
Lab File: I768794.d
Acq: 23 Dec 2024 2:04 pm

Tgt Ion: 91 Resp: 4953

Ion	Ratio	Lower	Upper
91	100		
120	21.2	0.0	54.1

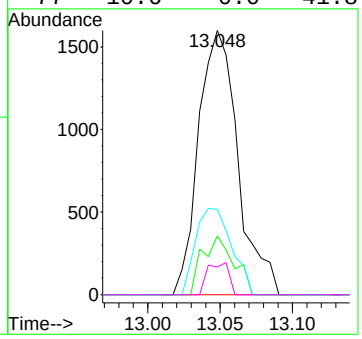


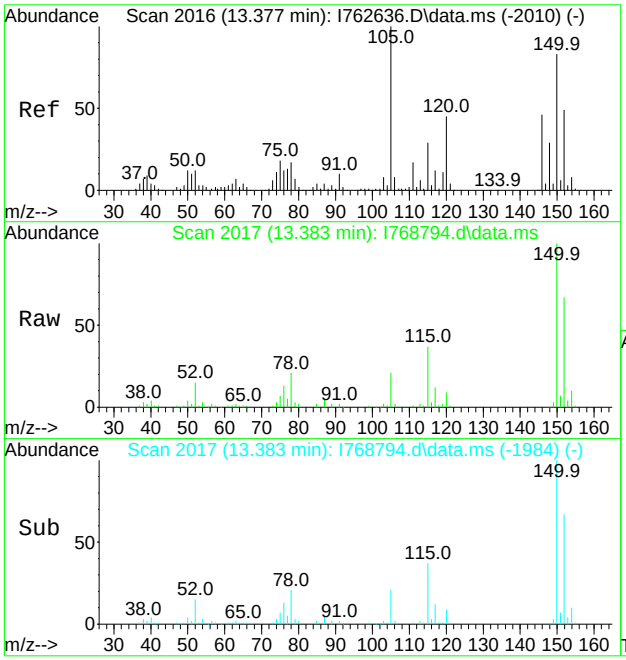


#100
sec-Butylbenzene
Concen: 0.6595 ug/L
RT: 13.048 min Scan# 1962
Delta R.T. 0.012 min
Lab File: I768794.d
Acq: 23 Dec 2024 2:04 pm

Tgt Ion:105 Resp: 3030

Ion	Ratio	Lower	Upper
105	100		
134	22.3	0.0	49.9
91	32.3	0.0	45.6
77	10.6	0.0	41.8

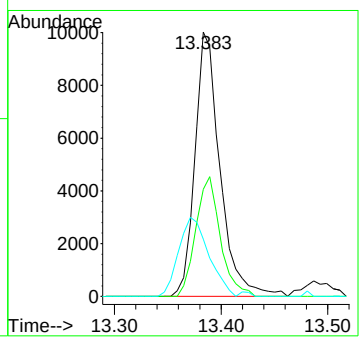


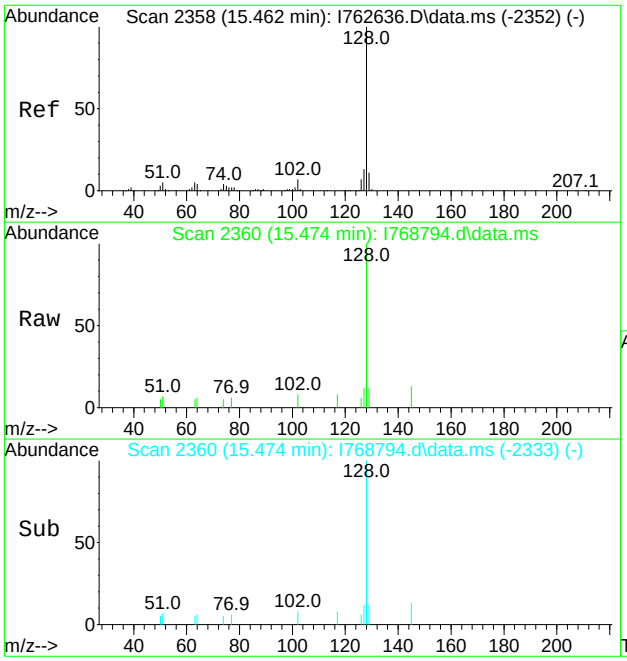


#103
1,2,3-Trimethylbenzene
Concen: 4.1522 ug/L
RT: 13.383 min Scan# 2017
Delta R.T. 0.000 min
Lab File: I768794.d
Acq: 23 Dec 2024 2:04 pm

Tgt Ion:105 Resp: 16390

Ion	Ratio	Lower	Upper
105	100		
120	40.5	13.9	73.9
77	21.7	0.0	41.7

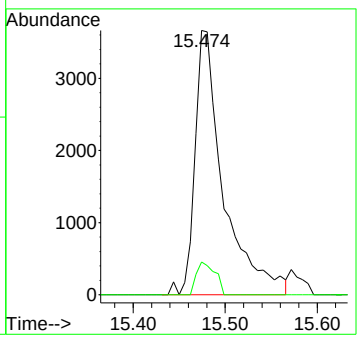




#111
Naphthalene
Concen: 1.7816 ug/L
RT: 15.474 min Scan# 2360
Delta R.T. 0.012 min
Lab File: I768794.d
Acq: 23 Dec 2024 2:04 pm

Tgt Ion:128 Resp: 7864

Ion	Ratio	Lower	Upper
128	100		
127	12.4	0.0	42.4



Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3447\
Data File : I768795.d
Acq On : 23 Dec 2024 2:28 pm
Operator : davidw
Sample : FC21423-6 Inst : VOA16-MSI
Misc : MS58202,VI3447,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 24 09:14:52 2024
Quant Method : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3431_12-05-20
... 24.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Dec 05 11:12:39 2024
Response via : Initial Calibration

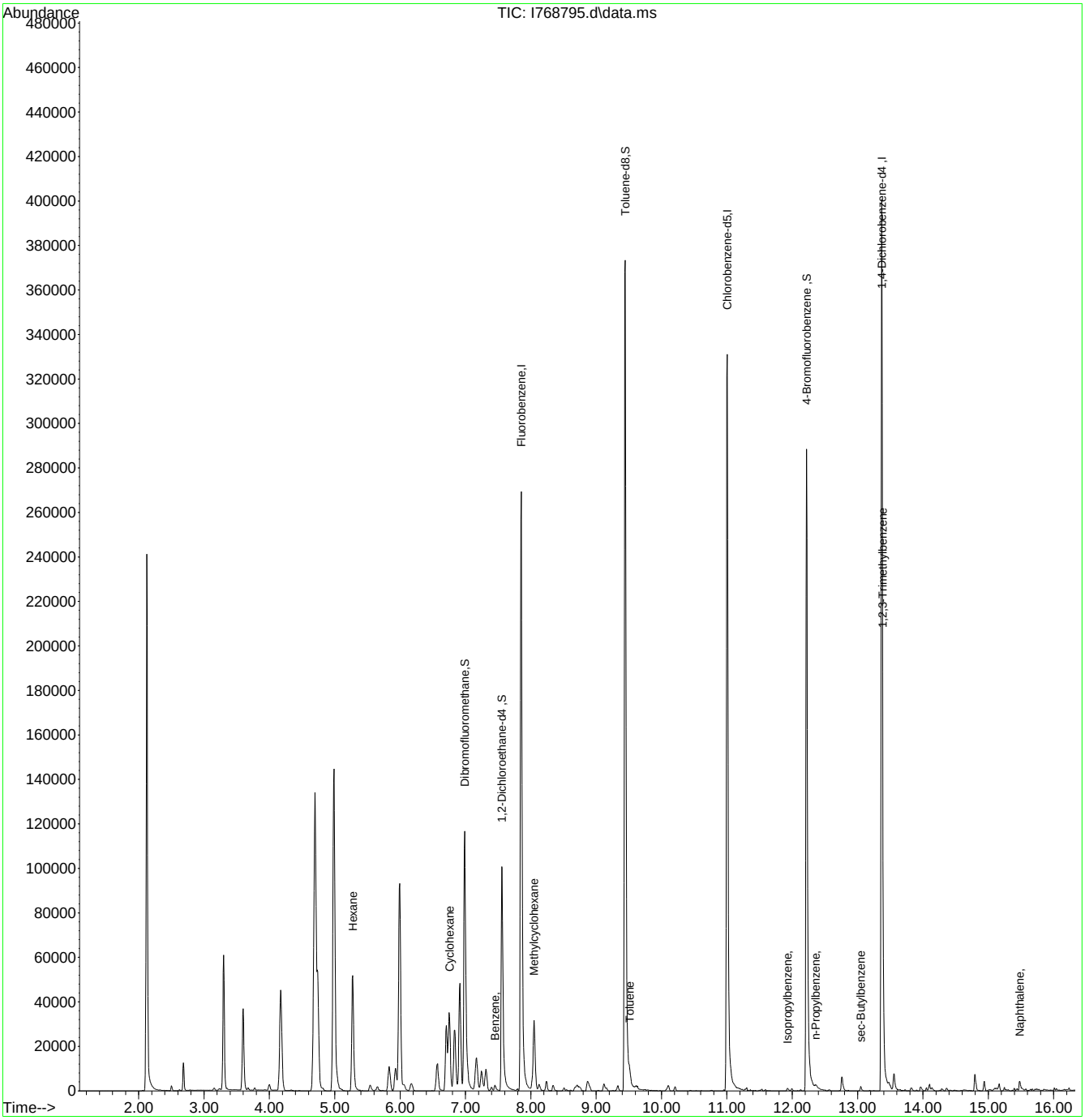
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.854	96	259415	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.006	117	212463	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.371	152	113845	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	6.988	113	77537	49.84	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.68%			
49) 1,2-Dichloroethane-d4	7.555	65	78059	53.50	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 107.00%			
63) Toluene-d8	9.445	98	264568	49.81	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 99.62%			
86) 4-Bromofluorobenzene	12.219	174	90339	50.52	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.04%			
Target Compounds						Qvalue
22) Hexane	5.275	56	14461	27.4313	ug/L	93
35) Cyclohexane	6.756	56	15547	14.6886	ug/L	91
47) Benzene	7.451	78	3936	1.1379	ug/L #	51
54) Methylcyclohexane	8.049	83	13500	9.7714	ug/L	92
64) Toluene	9.512	91	1529	0.3813	ug/L	93
84) Isopropylbenzene	11.926	105	1736	0.3958	ug/L	83
88) n-Propylbenzene	12.359	91	3109	0.6057	ug/L	96
100) sec-Butylbenzene	13.048	105	1964	0.4344	ug/L	71
103) 1,2,3-Trimethylbenzene	13.383	105	12025	3.0960	ug/L	91
111) Naphthalene	15.480	128	6415	1.4770	ug/L	99

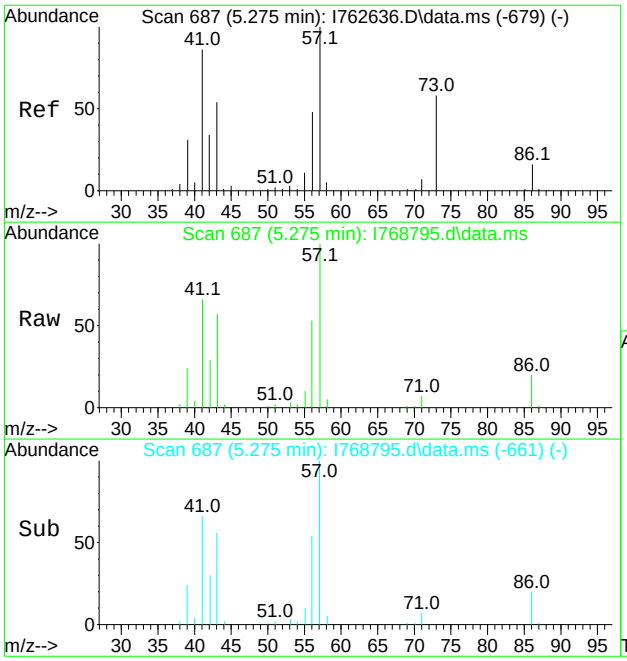
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3447\
Data File : I768795.d
Acq On : 23 Dec 2024 2:28 pm
Operator : davidw
Sample : FC21423-6 Inst : VOA16-MSI
Misc : MS58202,VI3447,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 24 09:14:52 2024
Quant Method : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3431_12-05-20
... 24.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Dec 05 11:12:39 2024
Response via : Initial Calibration

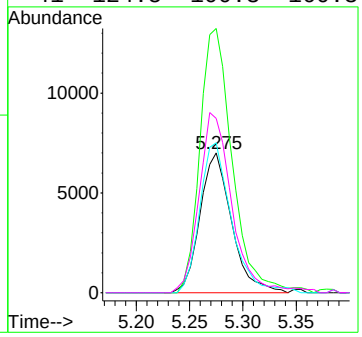


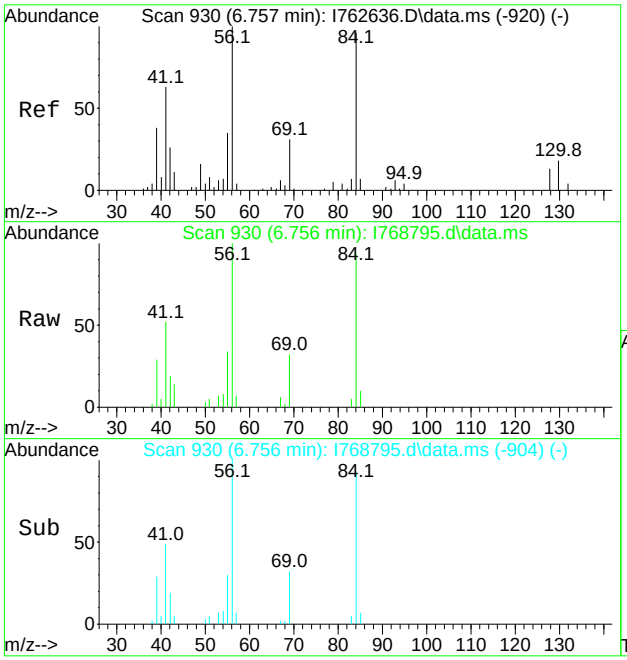


#22
Hexane
Concen: 27.4313 ug/L
RT: 5.275 min Scan# 687
Delta R.T. 0.006 min
Lab File: I768795.d
Acq: 23 Dec 2024 2:28 pm

Tgt Ion: 56 Resp: 14461

Ion	Ratio	Lower	Upper
56	100		
57	188.9	175.3	235.3
43	107.1	77.9	137.9
41	124.5	100.3	160.3

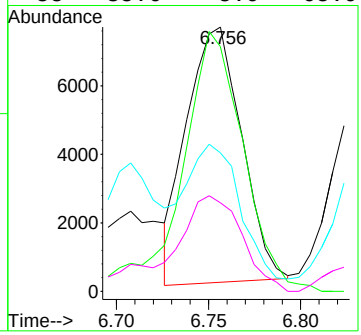


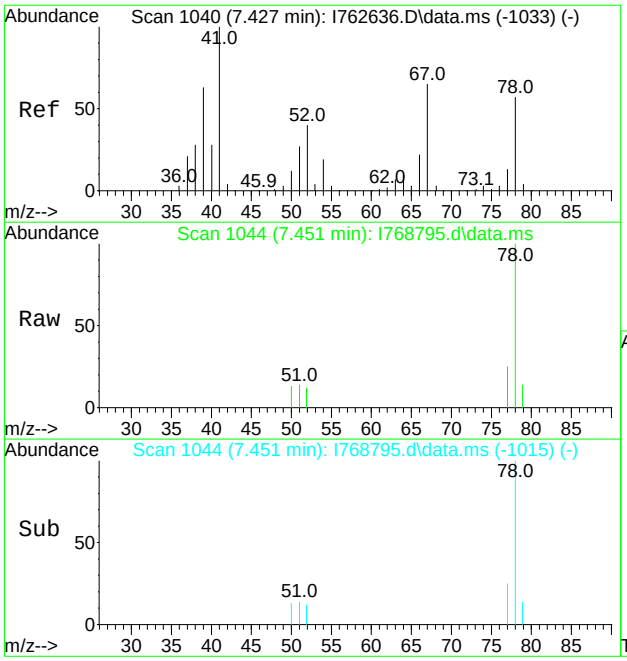


#35
Cyclohexane
Concen: 14.6886 ug/L
RT: 6.756 min Scan# 930
Delta R.T. 0.006 min
Lab File: I768795.d
Acq: 23 Dec 2024 2:28 pm

Tgt Ion: 56 Resp: 15547

Ion	Ratio	Lower	Upper
56	100		
84	94.6	79.9	139.9
41	50.7	18.3	78.3
55	35.6	5.9	65.9

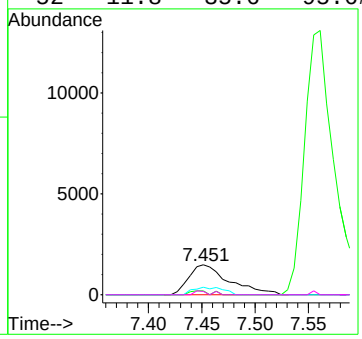


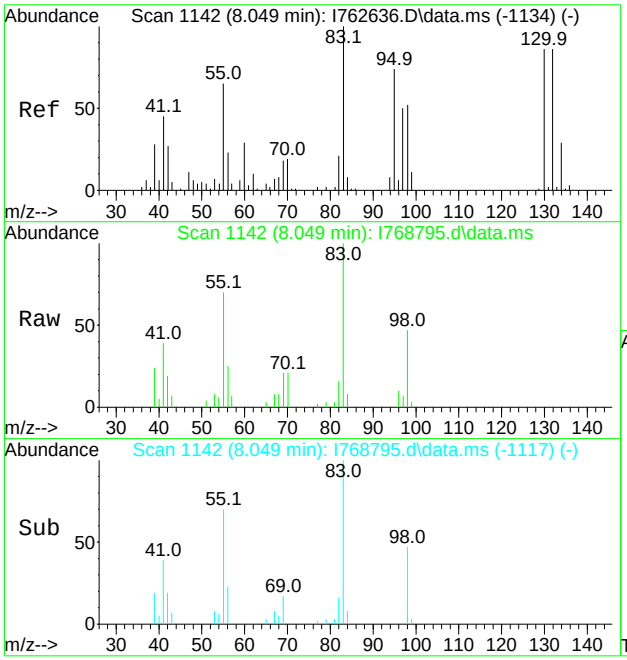


#47
Benzene
Concen: 1.1379 ug/L
RT: 7.451 min Scan# 1044
Delta R.T. 0.024 min
Lab File: I768795.d
Acq: 23 Dec 2024 2:28 pm

Tgt Ion: 78 Resp: 3936

Ion	Ratio	Lower	Upper
78	100		
51	13.5	12.6	72.6
77	25.3	0.0	54.2
52	11.8	35.6	95.6#

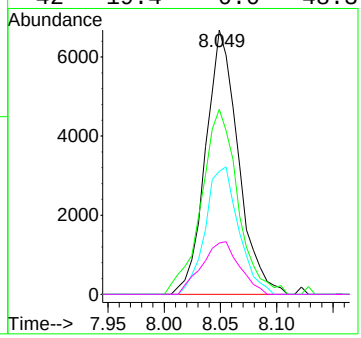


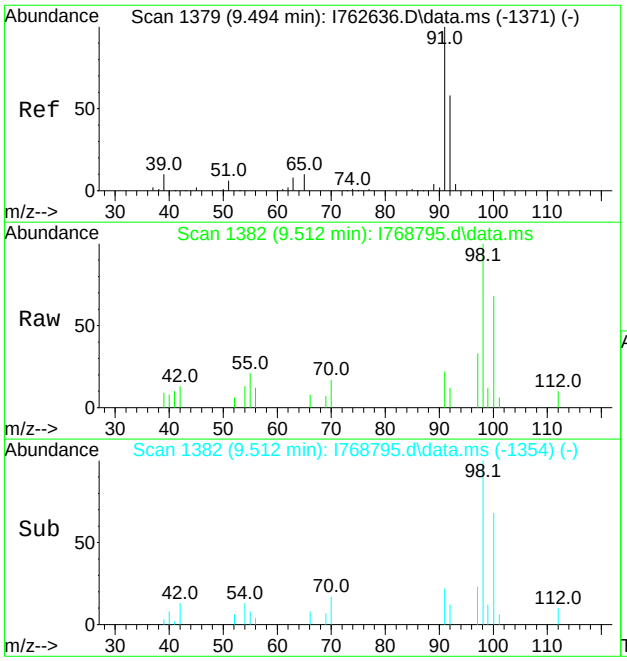


#54
Methylcyclohexane
Concen: 9.7714 ug/L
RT: 8.049 min Scan# 1142
Delta R.T. -0.000 min
Lab File: I768795.d
Acq: 23 Dec 2024 2:28 pm

Tgt Ion: 83 Resp: 13500

Ion	Ratio	Lower	Upper
83	100		
55	70.0	32.9	92.9
98	46.6	22.1	82.1
42	19.4	0.0	48.3

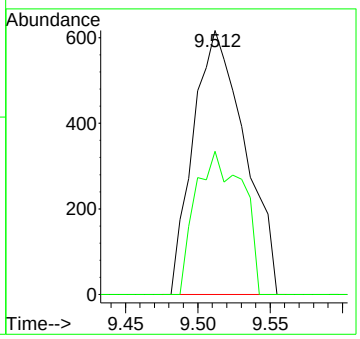


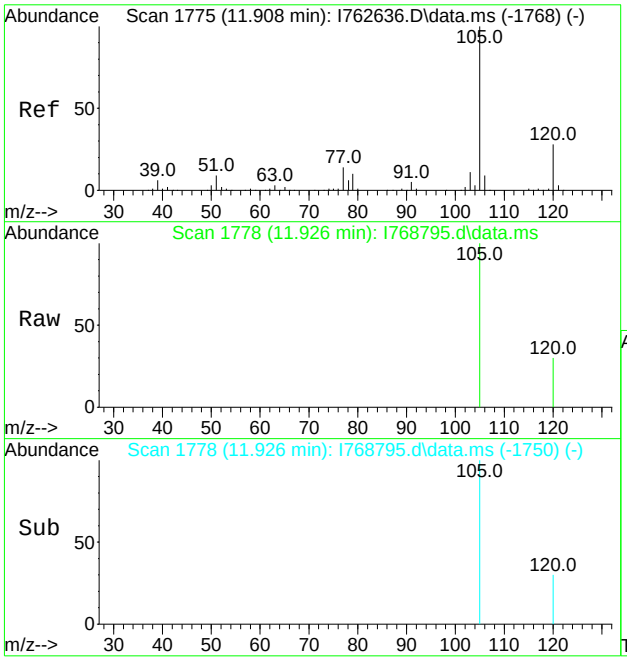


#64
Toluene
Concen: 0.3813 ug/L
RT: 9.512 min Scan# 1382
Delta R.T. 0.018 min
Lab File: I768795.d
Acq: 23 Dec 2024 2:28 pm

Tgt Ion: 91 Resp: 1529

Ion	Ratio	Lower	Upper
91	100		
92	54.3	29.3	89.3

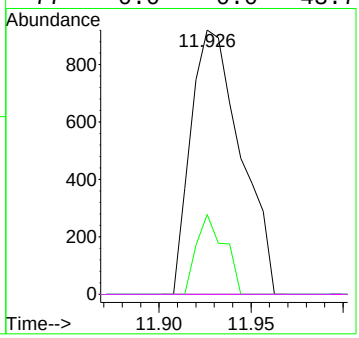


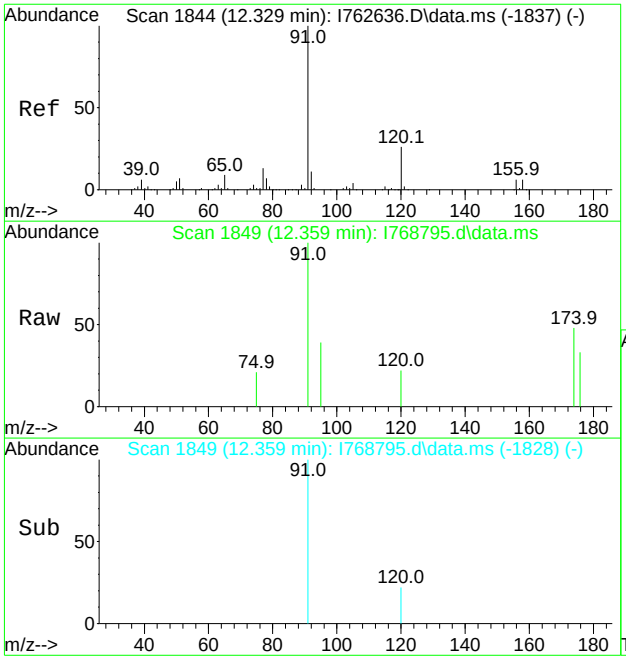


#84
Isopropylbenzene
Concen: 0.3958 ug/L
RT: 11.926 min Scan# 1778
Delta R.T. 0.018 min
Lab File: I768795.d
Acq: 23 Dec 2024 2:28 pm

Tgt Ion:105 Resp: 1736

Ion	Ratio	Lower	Upper
105	100		
120	30.2	0.0	57.8
79	0.0	0.0	41.0
77	0.0	0.0	43.7

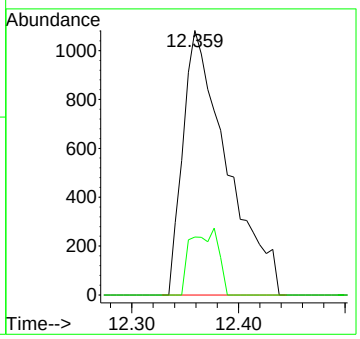


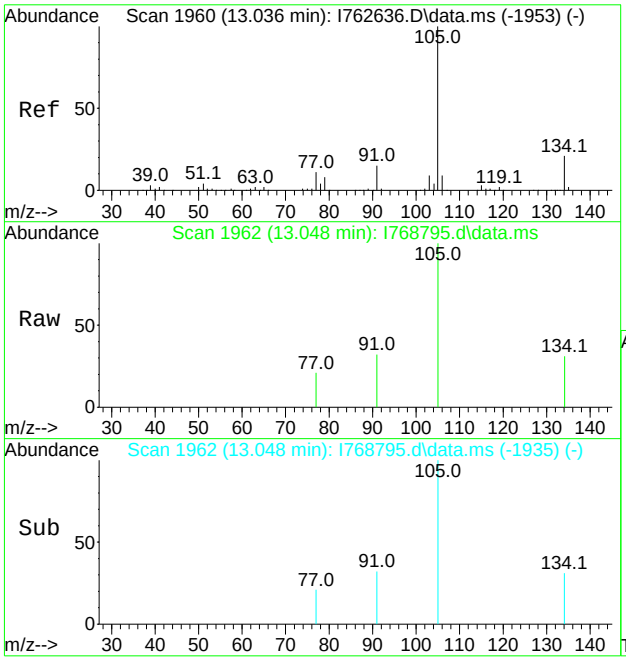


#88
n-Propylbenzene
Concen: 0.6057 ug/L
RT: 12.359 min Scan# 1849
Delta R.T. 0.030 min
Lab File: I768795.d
Acq: 23 Dec 2024 2:28 pm

Tgt Ion: 91 Resp: 3109

Ion	Ratio	Lower	Upper
91	100		
120	21.9	0.0	54.1

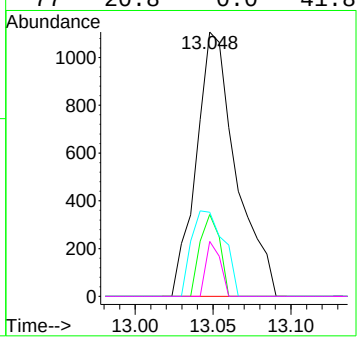


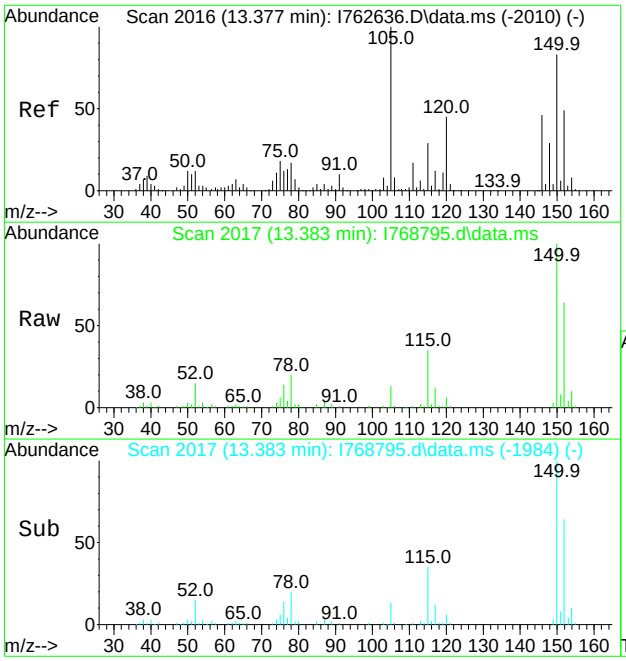


#100
sec-Butylbenzene
Concen: 0.4344 ug/L
RT: 13.048 min Scan# 1962
Delta R.T. 0.012 min
Lab File: I768795.d
Acq: 23 Dec 2024 2:28 pm

Tgt Ion:105 Resp: 1964

Ion	Ratio	Lower	Upper
105	100		
134	31.0	0.0	49.9
91	31.8	0.0	45.6
77	20.8	0.0	41.8

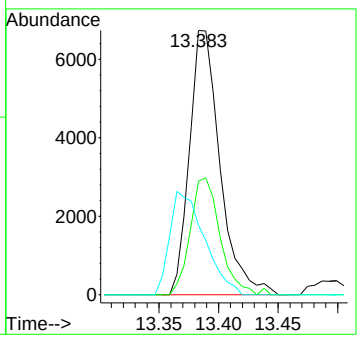


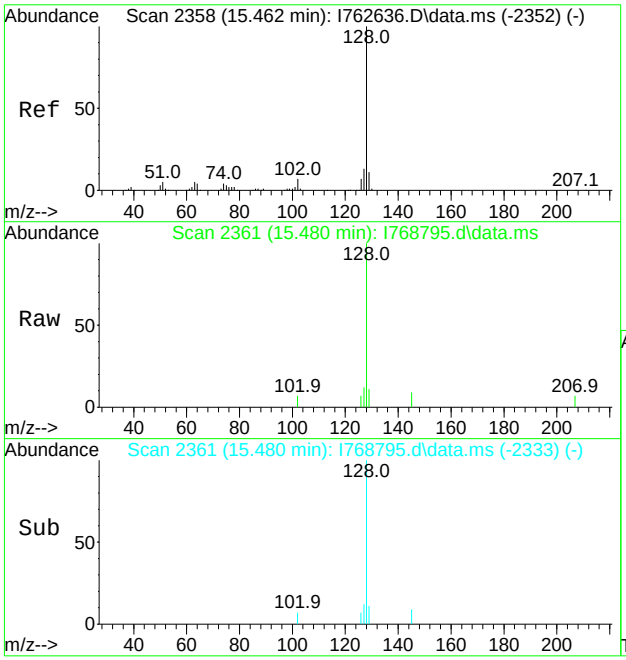


#103
1,2,3-Trimethylbenzene
Concen: 3.0960 ug/L
RT: 13.383 min Scan# 2017
Delta R.T. 0.000 min
Lab File: I768795.d
Acq: 23 Dec 2024 2:28 pm

Tgt Ion:105 Resp: 12025

Ion	Ratio	Lower	Upper
105	100		
120	43.1	13.9	73.9
77	26.3	0.0	41.7

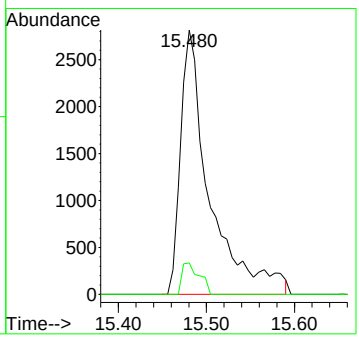




#111
Naphthalene
Concen: 1.4770 ug/L
RT: 15.480 min Scan# 2361
Delta R.T. 0.018 min
Lab File: I768795.d
Acq: 23 Dec 2024 2:28 pm

Tgt Ion:128 Resp: 6415

Ion	Ratio	Lower	Upper
128	100		
127	11.9	0.0	42.4



Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3447\
Data File : I768796.d
Acq On : 23 Dec 2024 2:53 pm
Operator : davidw
Sample : FC21423-7 Inst : VOA16-MSI
Misc : MS58202,VI3447,,,,,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 24 09:15:31 2024
Quant Method : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3431_12-05-20
... 24.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Dec 05 11:12:39 2024
Response via : Initial Calibration

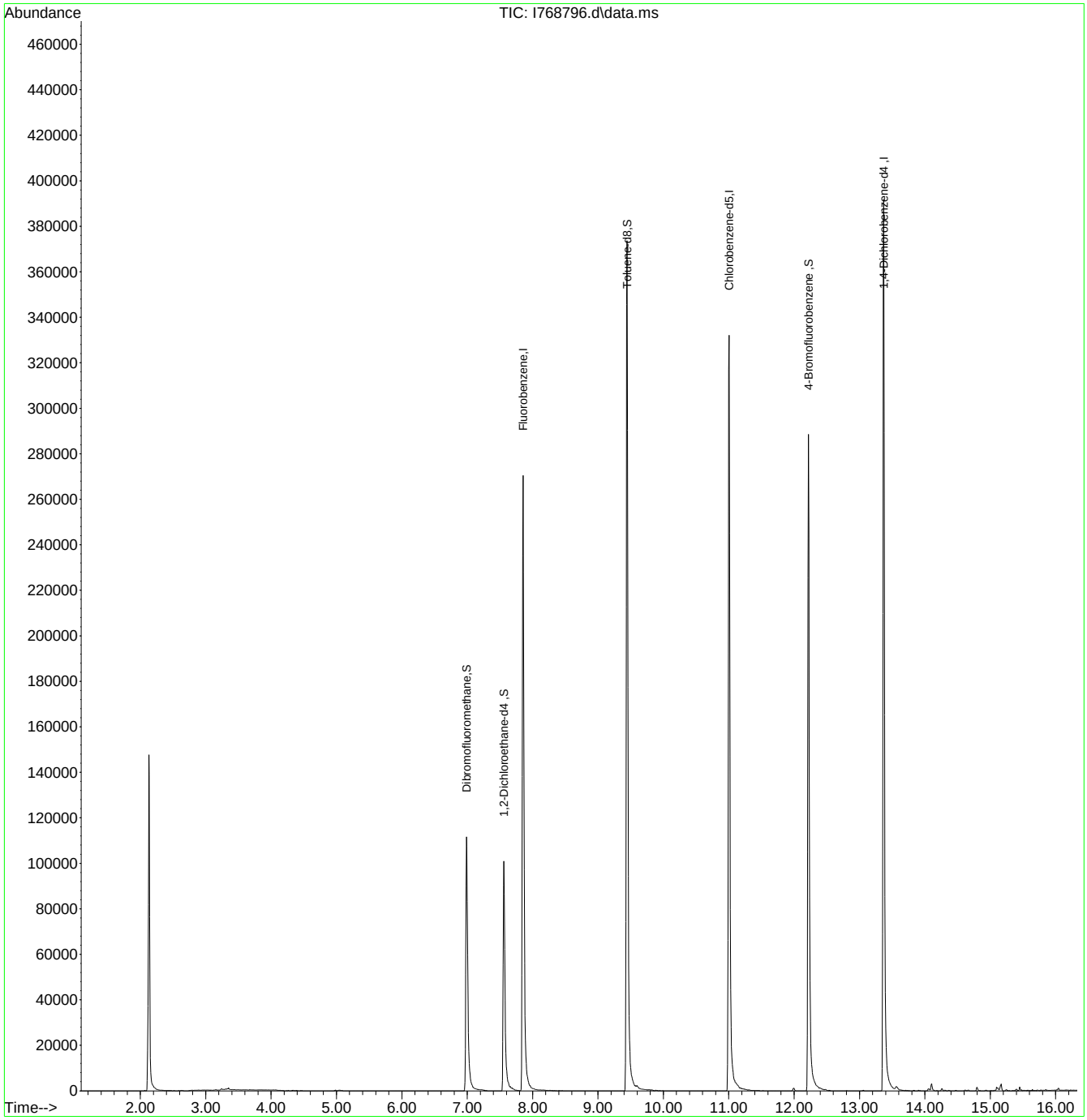
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.854	96	257487	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.006	117	214395	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.371	152	114021	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	6.988	113	76269	49.39	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.78%			
49) 1,2-Dichloroethane-d4	7.561	65	77013	53.17	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 106.34%			
63) Toluene-d8	9.445	98	261276	48.75	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 97.50%			
86) 4-Bromofluorobenzene	12.219	174	90640	50.61	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.22%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3447\
Data File : I768796.d
Acq On : 23 Dec 2024 2:53 pm
Operator : davidw
Sample : FC21423-7 Inst : VOA16-MSI
Misc : MS58202,VI3447,,,,,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 24 09:15:31 2024
Quant Method : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3431_12-05-20
... 24.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Dec 05 11:12:39 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3447\
Data File : I768797.d
Acq On : 23 Dec 2024 3:17 pm
Operator : davidw
Sample : FC21423-8 Inst : VOA16-MSI
Misc : MS58202,VI3447,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 24 09:15:59 2024
Quant Method : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3431_12-05-20
... 24.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Dec 05 11:12:39 2024
Response via : Initial Calibration

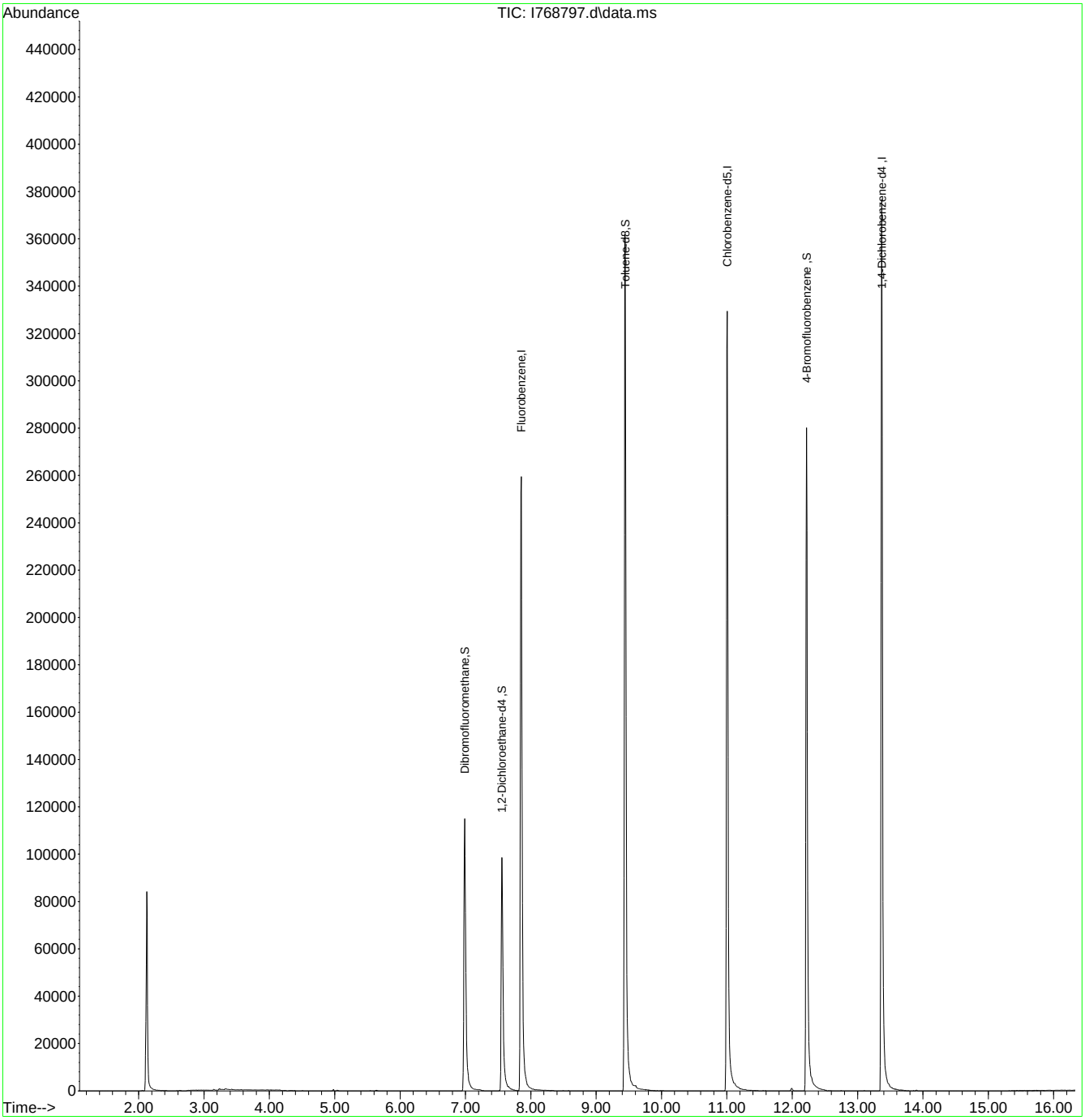
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.854	96	254684	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.006	117	213020	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.371	152	112449	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	6.988	113	76277	49.94	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.88%			
49) 1,2-Dichloroethane-d4	7.555	65	77193	53.88	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 107.76%			
63) Toluene-d8	9.445	98	260010	48.83	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 97.66%			
86) 4-Bromofluorobenzene	12.219	174	88799	50.28	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.56%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3447\
Data File : I768797.d
Acq On : 23 Dec 2024 3:17 pm
Operator : davidw
Sample : FC21423-8 Inst : VOA16-MSI
Misc : MS58202,VI3447,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 24 09:15:59 2024
Quant Method : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3431_12-05-20
... 24.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Dec 05 11:12:39 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3447\
Data File : I768798.d
Acq On : 23 Dec 2024 3:41 pm
Operator : davidw
Sample : FC21423-9 Inst : VOA16-MSI
Misc : MS58202,VI3447,,,,,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 24 09:17:20 2024
Quant Method : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3431_12-05-20
... 24.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Dec 05 11:12:39 2024
Response via : Initial Calibration

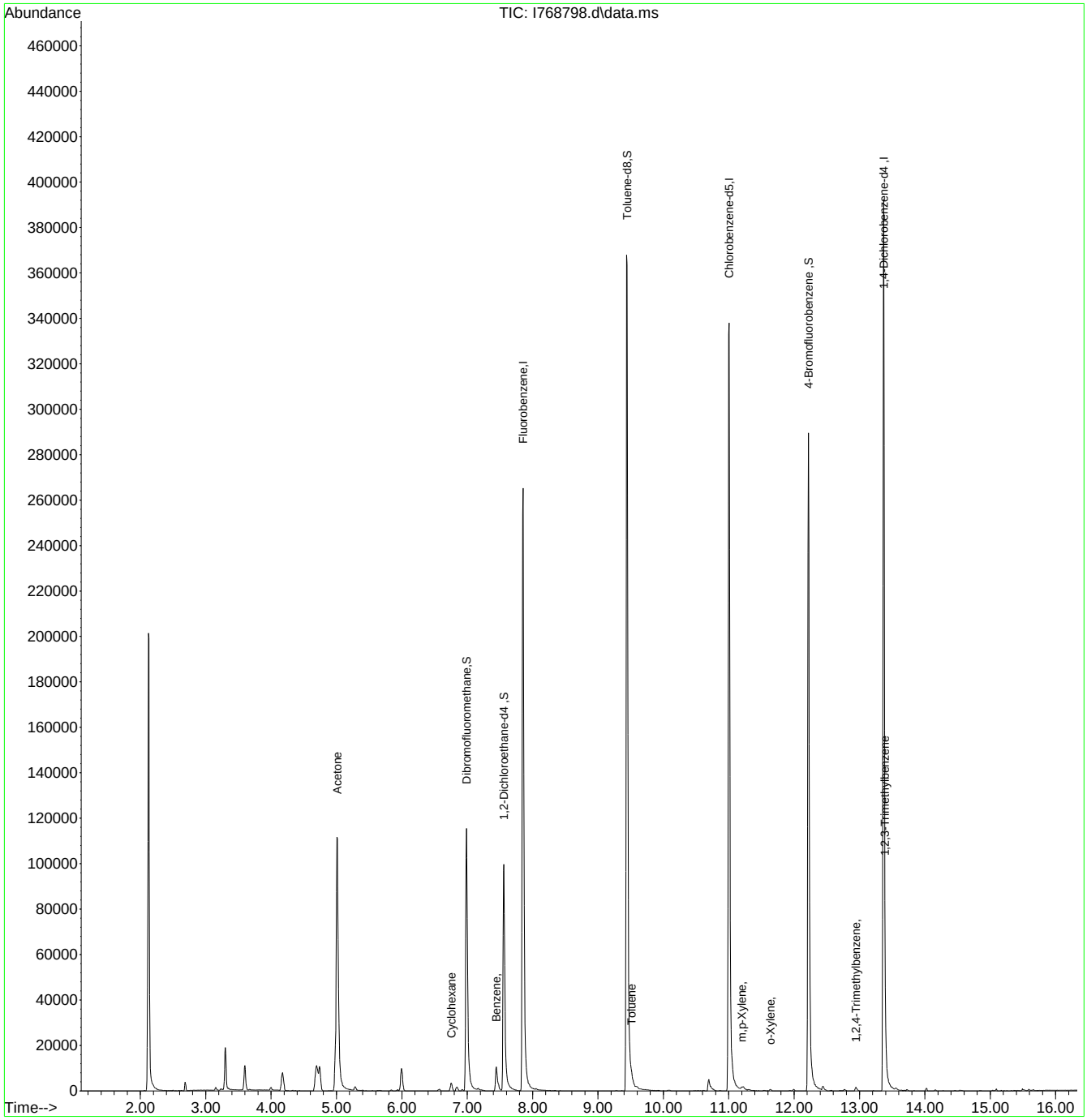
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.854	96	254986	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.006	117	214292	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.371	152	112302	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	6.988	113	76398	49.96	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.92%			
49) 1,2-Dichloroethane-d4	7.561	65	77945	54.35	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 108.70%			
63) Toluene-d8	9.445	98	260927	48.71	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 97.42%			
86) 4-Bromofluorobenzene	12.219	174	90245	51.16	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.32%			
Target Compounds						Qvalue
19) Acetone	5.013	43	149770	288.6492	ug/L	92
35) Cyclohexane	6.756	56	1930	1.8551	ug/L	85
47) Benzene	7.445	78	13182	3.8772	ug/L #	53
64) Toluene	9.512	91	3280	0.8111	ug/L	97
80) m,p-Xylene	11.201	91	2183	0.6264	ug/L	74
81) o-Xylene	11.640	91	839	0.2332	ug/L	72
98) 1,2,4-Trimethylbenzene	12.944	105	2081	0.5917	ug/L	85
103) 1,2,3-Trimethylbenzene	13.389	105	2431	0.6345	ug/L #	69

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

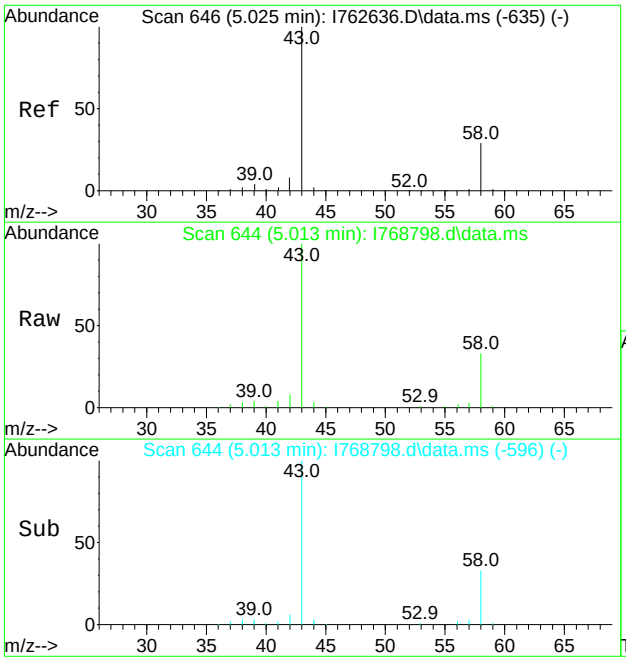
Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3447\
Data File : I768798.d
Acq On : 23 Dec 2024 3:41 pm
Operator : davidw
Sample : FC21423-9 Inst : VOA16-MSI
Misc : MS58202,VI3447,,,,,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 24 09:17:20 2024
Quant Method : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3431_12-05-20
... 24.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Dec 05 11:12:39 2024
Response via : Initial Calibration



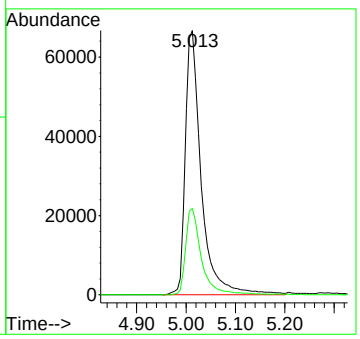
VI3431_12-05-2024.m Tue Dec 24 09:29:52 2024 Page: 2

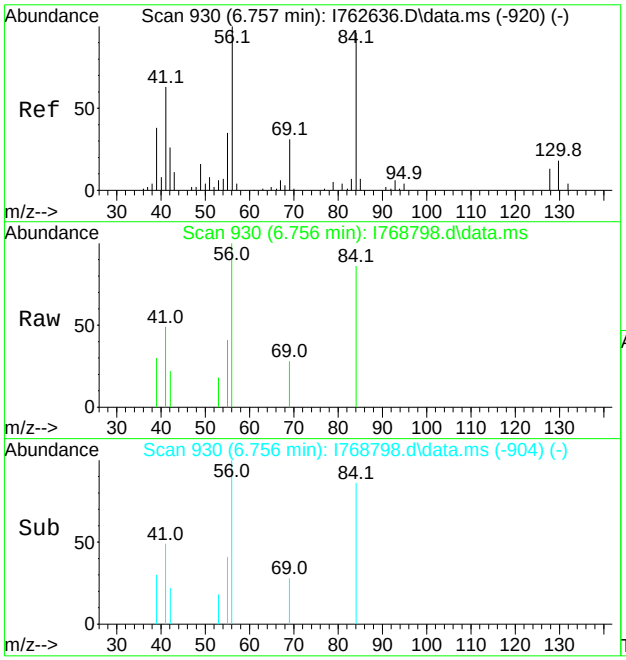


#19
Acetone
Concen: 288.6492 ug/L
RT: 5.013 min Scan# 644
Delta R.T. -0.006 min
Lab File: I768798.d
Acq: 23 Dec 2024 3:41 pm

Tgt Ion: 43 Resp: 149770

Ion	Ratio	Lower	Upper
43	100		
58	32.7	7.4	67.4

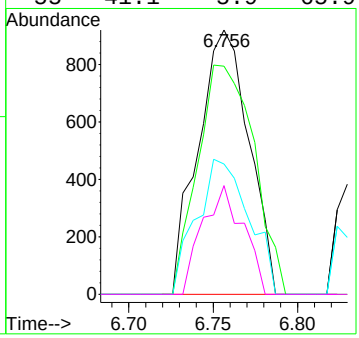


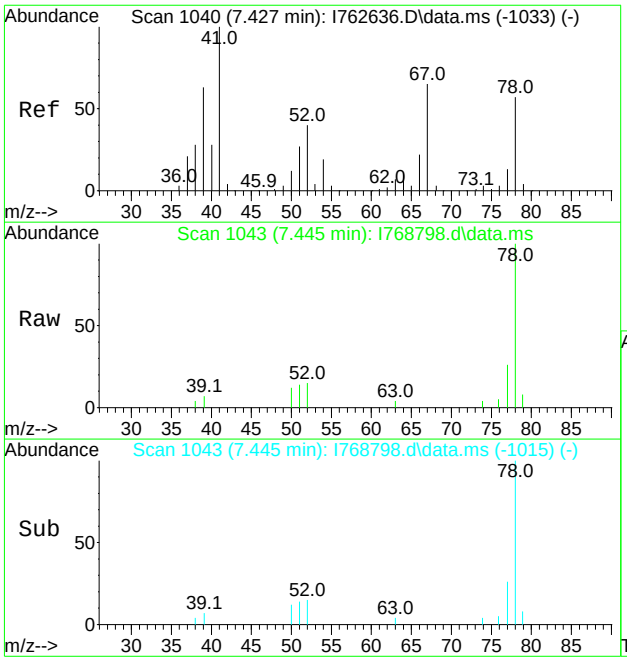


#35
Cyclohexane
Concen: 1.8551 ug/L
RT: 6.756 min Scan# 930
Delta R.T. 0.006 min
Lab File: I768798.d
Acq: 23 Dec 2024 3:41 pm

Tgt Ion: 56 Resp: 1930

Ion	Ratio	Lower	Upper
56	100		
84	86.3	79.9	139.9
41	49.2	18.3	78.3
55	41.1	5.9	65.9

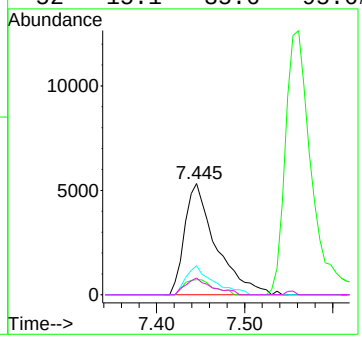


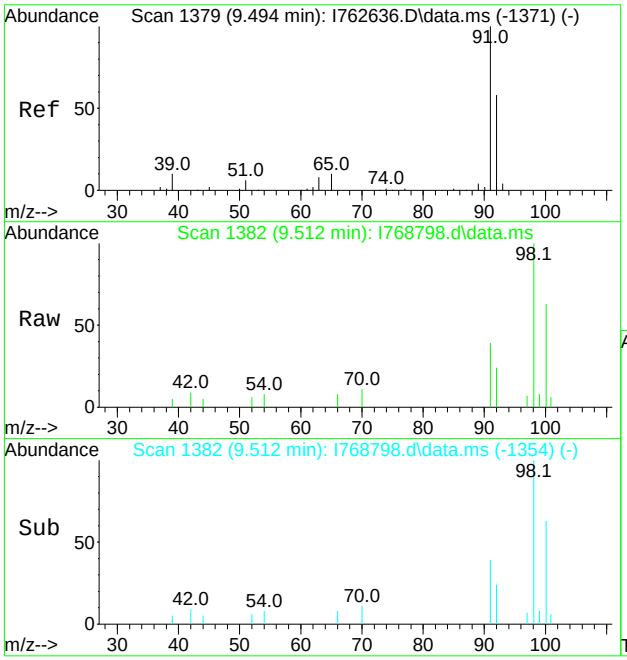


#47
Benzene
Concen: 3.8772 ug/L
RT: 7.445 min Scan# 1043
Delta R.T. 0.018 min
Lab File: I768798.d
Acq: 23 Dec 2024 3:41 pm

Tgt Ion: 78 Resp: 13182

Ion	Ratio	Lower	Upper
78	100		
51	13.7	12.6	72.6
77	26.1	0.0	54.2
52	15.1	35.6	95.6#

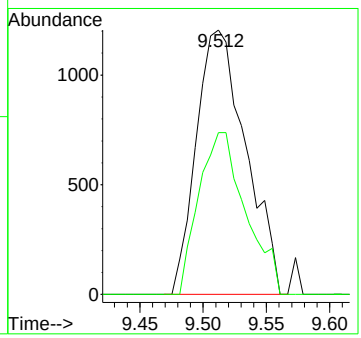


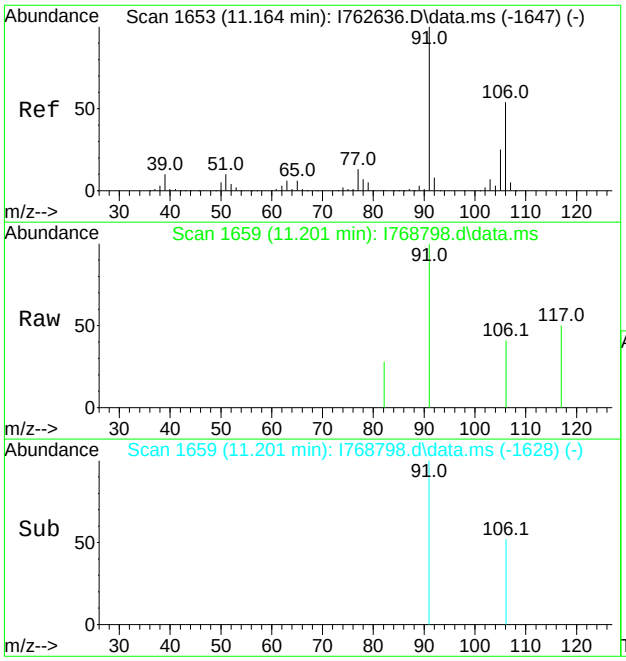


#64
Toluene
Concen: 0.8111 ug/L
RT: 9.512 min Scan# 1382
Delta R.T. 0.018 min
Lab File: I768798.d
Acq: 23 Dec 2024 3:41 pm

Tgt Ion: 91 Resp: 3280

Ion	Ratio	Lower	Upper
91	100		
92	61.2	29.3	89.3

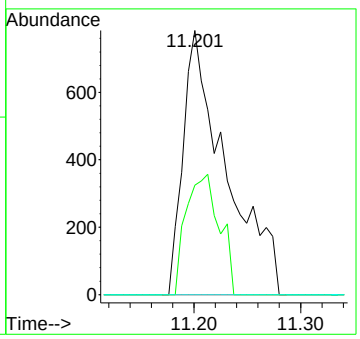


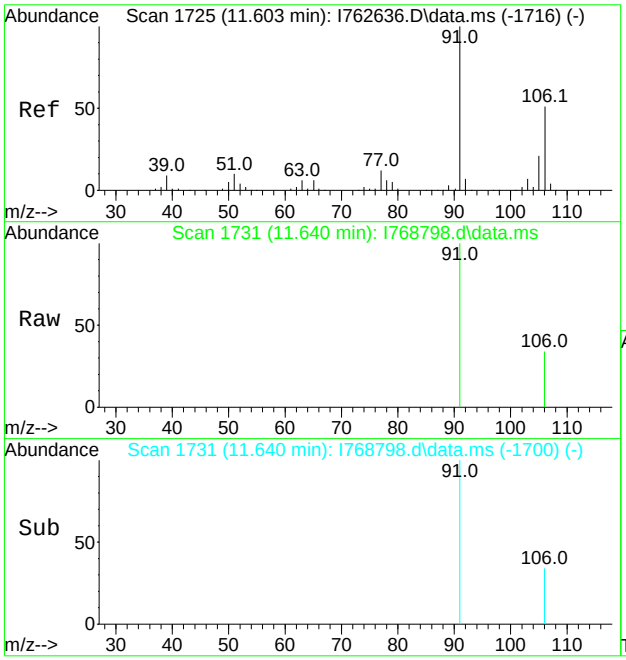


#80
m,p-Xylene
Concen: 0.6264 ug/L
RT: 11.201 min Scan# 1659
Delta R.T. 0.037 min
Lab File: I768798.d
Acq: 23 Dec 2024 3:41 pm

Tgt Ion: 91 Resp: 2183

Ion	Ratio	Lower	Upper
91	100		
106	41.5	22.9	82.9
105	0.0	0.0	52.9

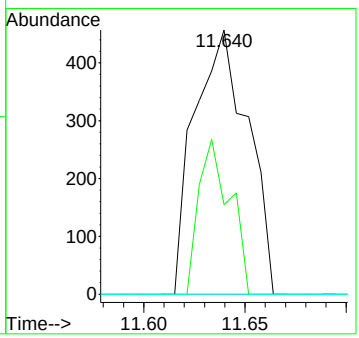


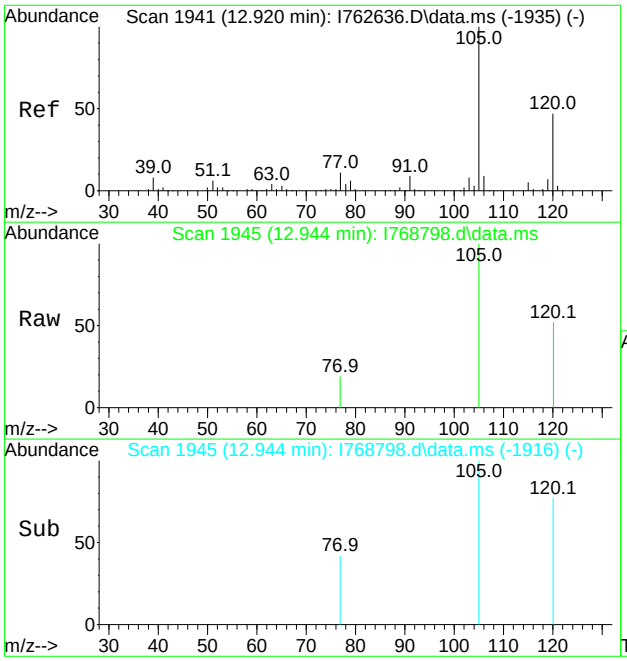


#81
o-Xylene
Concen: 0.2332 ug/L
RT: 11.640 min Scan# 1731
Delta R.T. 0.037 min
Lab File: I768798.d
Acq: 23 Dec 2024 3:41 pm

Tgt Ion: 91 Resp: 839

Ion	Ratio	Lower	Upper
91	100		
106	33.9	18.6	78.6
105	0.0	0.0	49.2

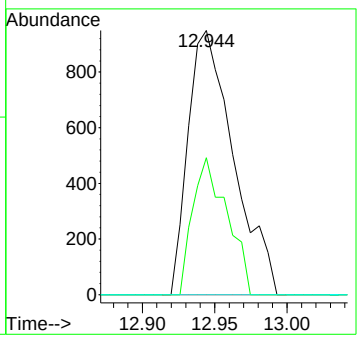


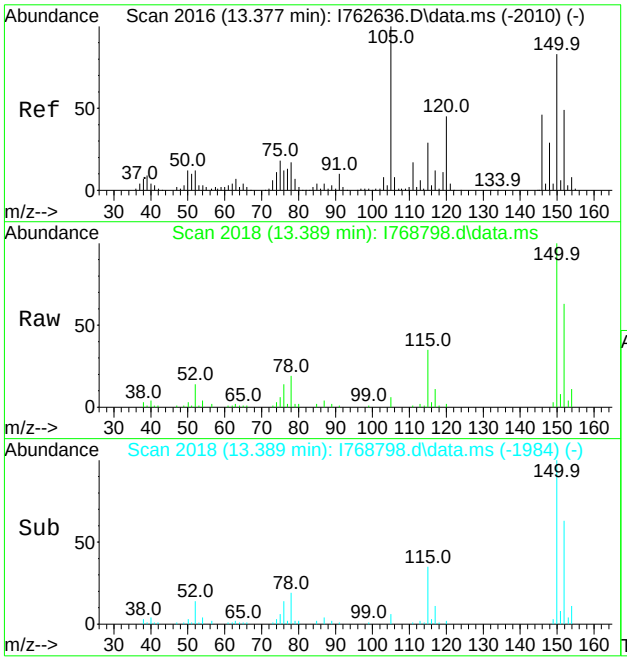


#98
1,2,4-Trimethylbenzene
Concen: 0.5917 ug/L
RT: 12.944 min Scan# 1945
Delta R.T. 0.024 min
Lab File: I768798.d
Acq: 23 Dec 2024 3:41 pm

Tgt Ion:105 Resp: 2081

Ion	Ratio	Lower	Upper
105	100		
120	51.8	16.2	76.2
119	0.0	0.0	44.3

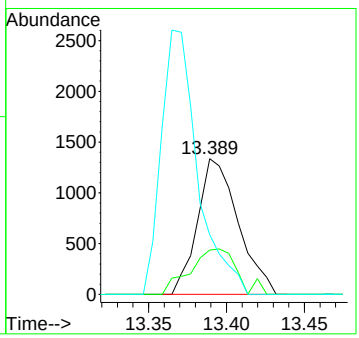




#103
1,2,3-Trimethylbenzene
Concen: 0.6345 ug/L
RT: 13.389 min Scan# 2018
Delta R.T. 0.006 min
Lab File: I768798.d
Acq: 23 Dec 2024 3:41 pm

Tgt Ion:105 Resp: 2431

Ion	Ratio	Lower	Upper
105	100		
120	32.6	13.9	73.9
77	43.9	0.0	41.7#



Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3447\
Data File : I768799.d
Acq On : 23 Dec 2024 4:05 pm
Operator : davidw
Sample : FC21423-10 Inst : VOA16-MSI
Misc : MS58202,VI3447,,,,,
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 24 09:18:15 2024
Quant Method : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3431_12-05-20
... 24.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Dec 05 11:12:39 2024
Response via : Initial Calibration

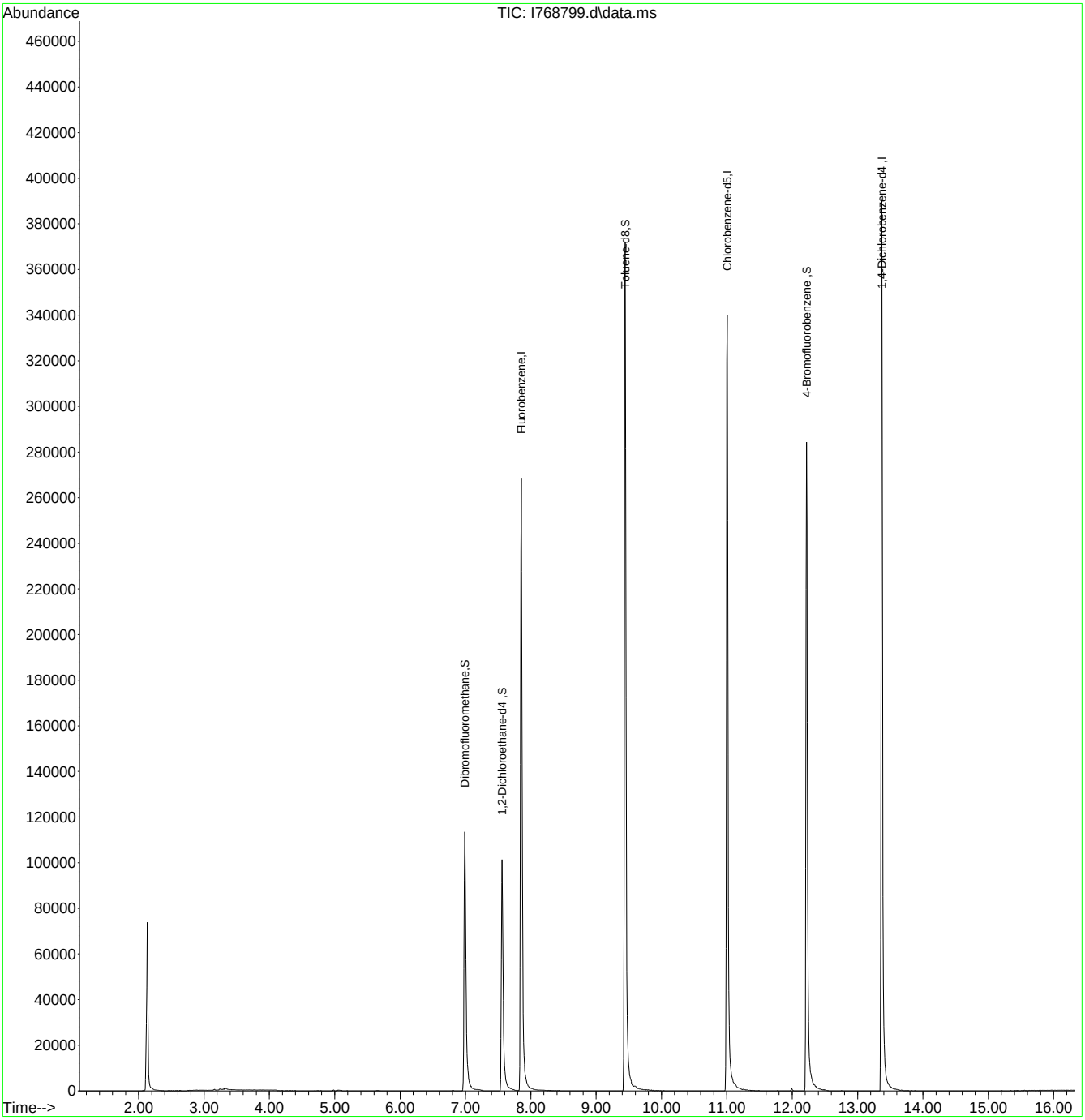
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.854	96	257876	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.006	117	215326	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.371	152	114415	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	6.988	113	76446	49.43	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.86%			
49) 1,2-Dichloroethane-d4	7.561	65	77153	53.19	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 106.38%			
63) Toluene-d8	9.445	98	261113	48.51	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 97.02%			
86) 4-Bromofluorobenzene	12.219	174	90565	50.40	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.80%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3447\
Data File : I768799.d
Acq On : 23 Dec 2024 4:05 pm
Operator : davidw
Sample : FC21423-10 Inst : VOA16-MSI
Misc : MS58202,VI3447,,,,,
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 24 09:18:15 2024
Quant Method : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3431_12-05-20
... 24.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Dec 05 11:12:39 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3447\
Data File : I768800.d
Acq On : 23 Dec 2024 4:29 pm
Operator : davidw
Sample : FC21423-11 Inst : VOA16-MSI
Misc : MS58202,VI3447,,,,,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 24 09:18:55 2024
Quant Method : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3431_12-05-20
... 24.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Dec 05 11:12:39 2024
Response via : Initial Calibration

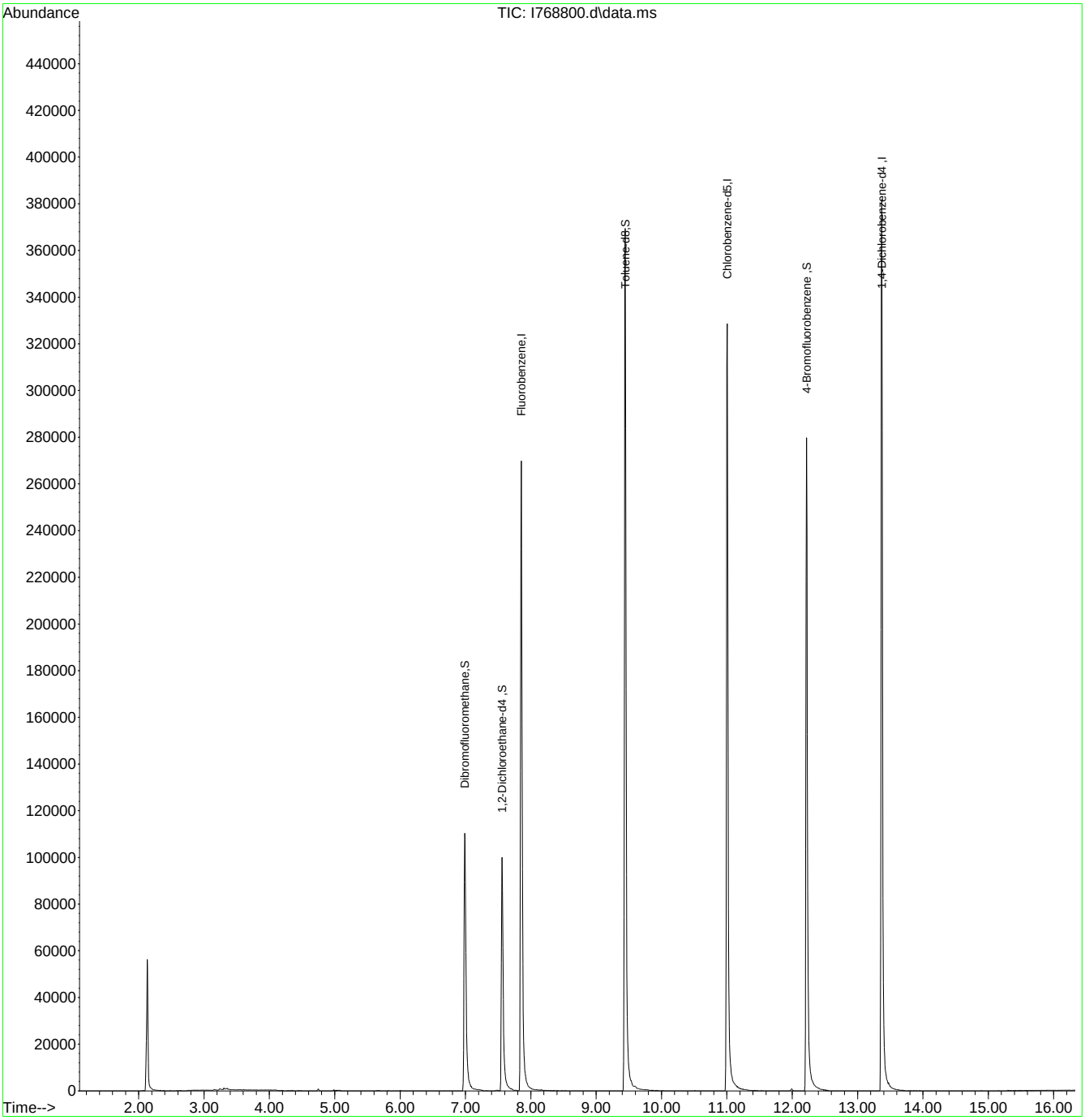
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.854	96	254797	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.006	117	210651	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.371	152	110207	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	6.988	113	75081	49.13	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.26%			
49) 1,2-Dichloroethane-d4	7.561	65	76727	53.54	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 107.08%			
63) Toluene-d8	9.445	98	258537	49.10	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 98.20%			
86) 4-Bromofluorobenzene	12.219	174	87799	50.72	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.44%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3447\
Data File : I768800.d
Acq On : 23 Dec 2024 4:29 pm
Operator : davidw
Sample : FC21423-11 Inst : VOA16-MSI
Misc : MS58202,VI3447,,,,,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 24 09:18:55 2024
Quant Method : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3431_12-05-20
... 24.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Dec 05 11:12:39 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3447\
Data File : I768801.d
Acq On : 23 Dec 2024 4:53 pm
Operator : davidw
Sample : FC21423-12 Inst : VOA16-MSI
Misc : MS58202,VI3447,,,,,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Dec 24 09:19:32 2024
Quant Method : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3431_12-05-20
... 24.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Dec 05 11:12:39 2024
Response via : Initial Calibration

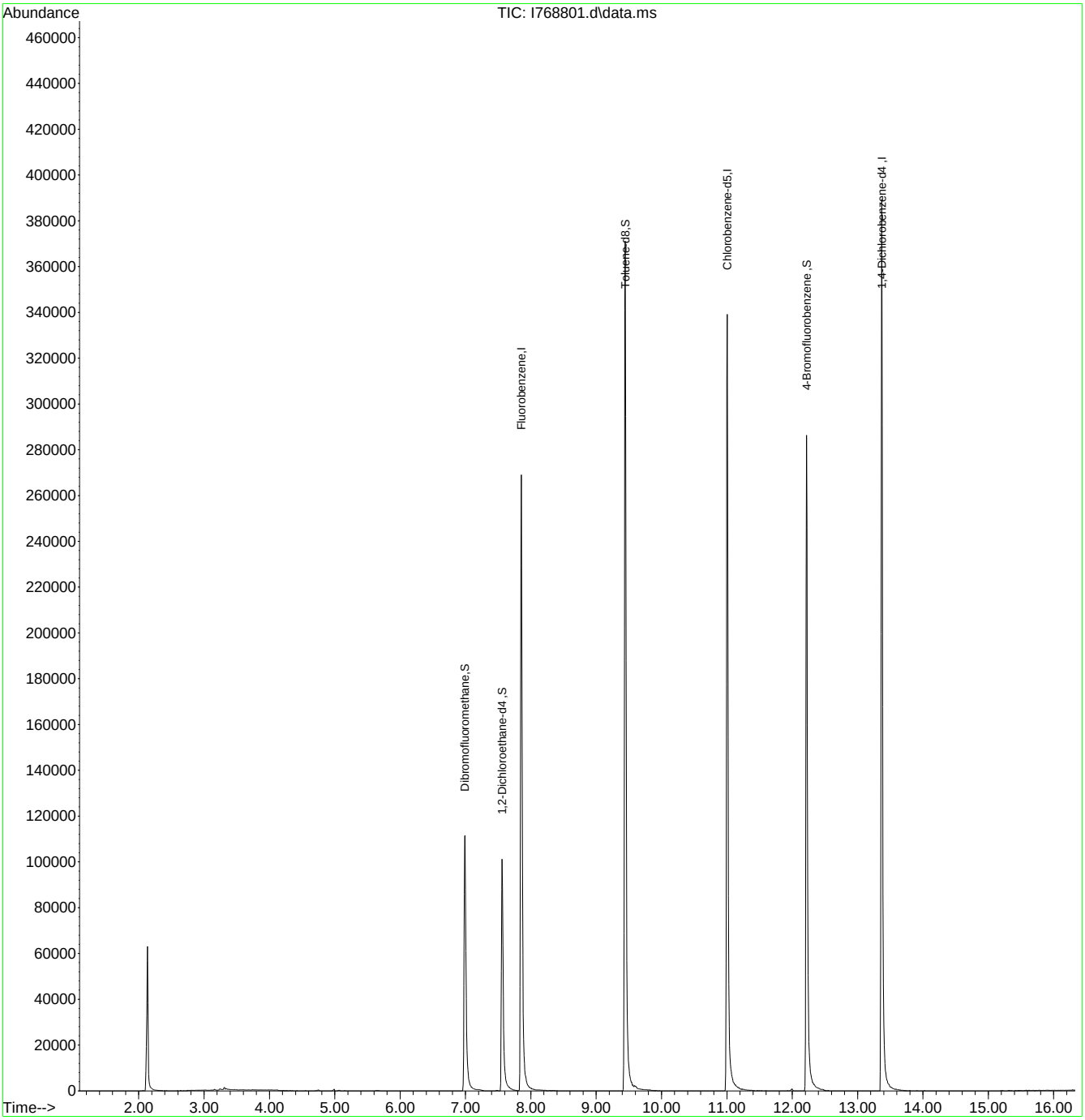
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.854	96	257346	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.005	117	214511	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.371	152	114082	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	6.988	113	76414	49.51	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.02%			
49) 1,2-Dichloroethane-d4	7.561	65	76790	53.05	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 106.10%			
63) Toluene-d8	9.445	98	261647	48.79	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 97.58%			
86) 4-Bromofluorobenzene	12.219	174	90115	50.29	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.58%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3447\
Data File : I768801.d
Acq On : 23 Dec 2024 4:53 pm
Operator : davidw
Sample : FC21423-12 Inst : VOA16-MSI
Misc : MS58202,VI3447,,,,,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Dec 24 09:19:32 2024
Quant Method : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3431_12-05-20
... 24.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Dec 05 11:12:39 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3447\
Data File : I768802.d
Acq On : 23 Dec 2024 5:18 pm
Operator : davidw
Sample : FC21423-13 Inst : VOA16-MSI
Misc : MS58202,VI3447,,,,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Dec 24 09:20:03 2024
Quant Method : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3431_12-05-20
... 24.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Dec 05 11:12:39 2024
Response via : Initial Calibration

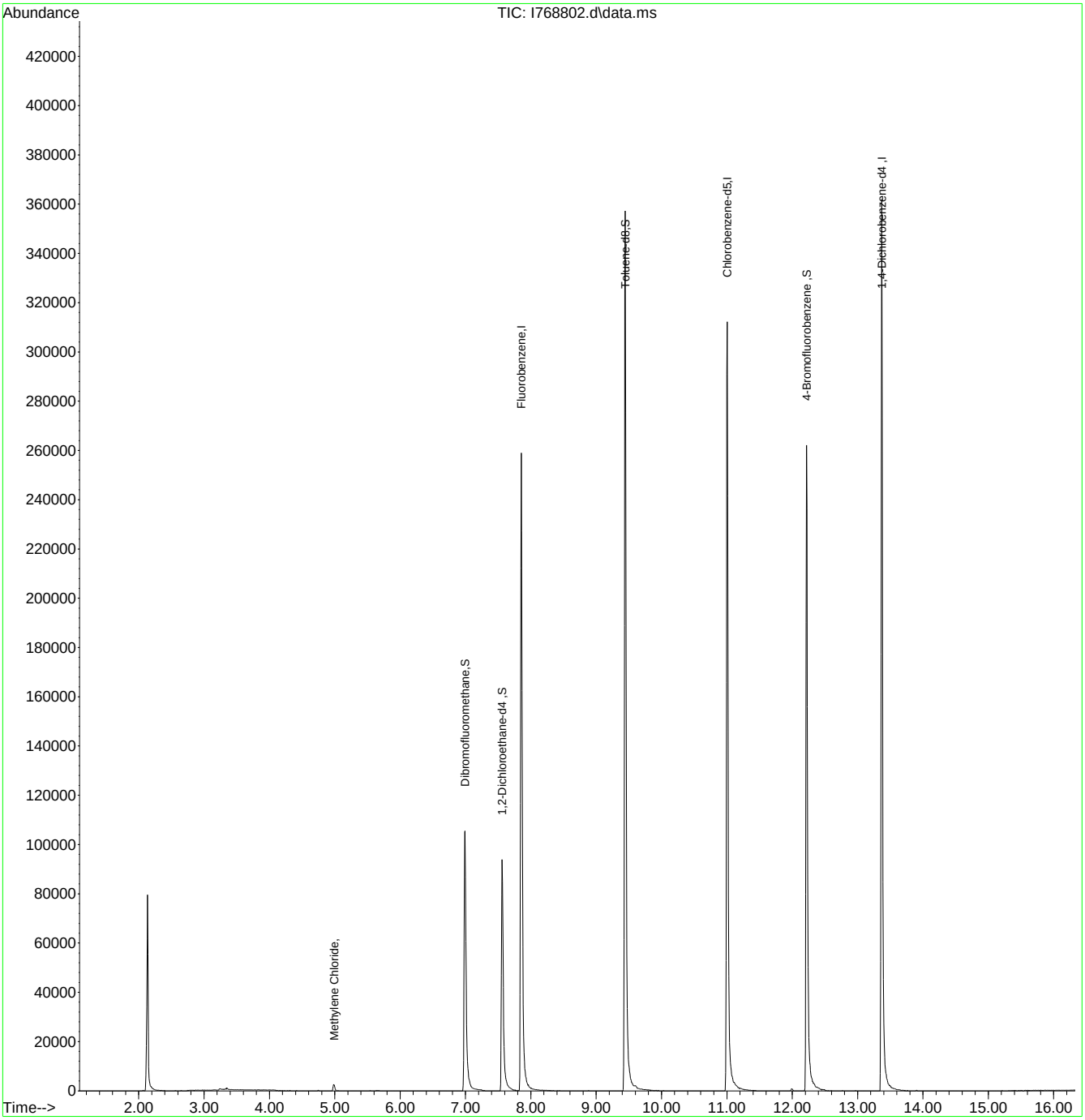
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.854	96	246402	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.006	117	202715	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.371	152	105717	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	6.994	113	72381	48.98	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.96%			
49) 1,2-Dichloroethane-d4	7.561	65	73819	53.26	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 106.52%			
63) Toluene-d8	9.445	98	247649	48.87	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 97.74%			
86) 4-Bromofluorobenzene	12.219	174	83413	50.23	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.46%			
Target Compounds						Qvalue
18) Methylene Chloride	4.988	49	1680	1.8778	ug/L	80

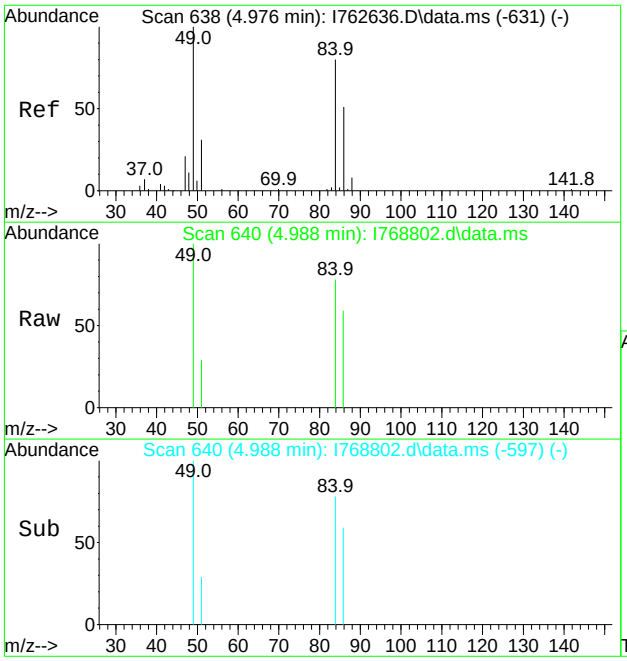
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3447\
Data File : I768802.d
Acq On : 23 Dec 2024 5:18 pm
Operator : davidw
Sample : FC21423-13 Inst : VOA16-MSI
Misc : MS58202,VI3447,,,,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Dec 24 09:20:03 2024
Quant Method : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3431_12-05-20
... 24.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Dec 05 11:12:39 2024
Response via : Initial Calibration

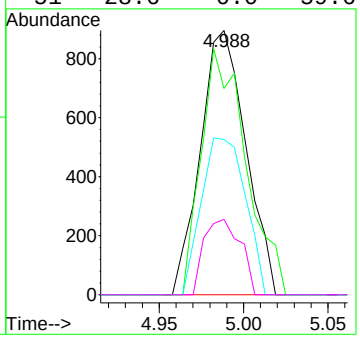




#18
Methylene Chloride
Concen: 1.8778 ug/L
RT: 4.988 min Scan# 640
Delta R.T. 0.012 min
Lab File: I768802.d
Acq: 23 Dec 2024 5:18 pm

Tgt Ion: 49 Resp: 1680

Ion	Ratio	Lower	Upper
49	100		
84	78.0	77.1	137.1
86	58.7	40.8	100.8
51	28.6	0.0	59.6



Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3447\
Data File : I768803.d
Acq On : 23 Dec 2024 5:42 pm
Operator : davidw
Sample : FC21423-14 Inst : VOA16-MSI
Misc : MS58202,VI3447,,,,,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Dec 24 09:21:03 2024
Quant Method : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3431_12-05-20
... 24.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Dec 05 11:12:39 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.854	96	250101	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.006	117	208324	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.371	152	109619	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	6.988	113	74941	49.96	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.92%			
49) 1,2-Dichloroethane-d4	7.561	65	75114	53.39	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 106.78%			
63) Toluene-d8	9.445	98	255359	49.03	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 98.06%			
86) 4-Bromofluorobenzene	12.219	174	86058	49.98	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.96%			
Target Compounds						Qvalue
18) Methylene Chloride	4.982	49	702	0.7731	ug/L	# 66

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

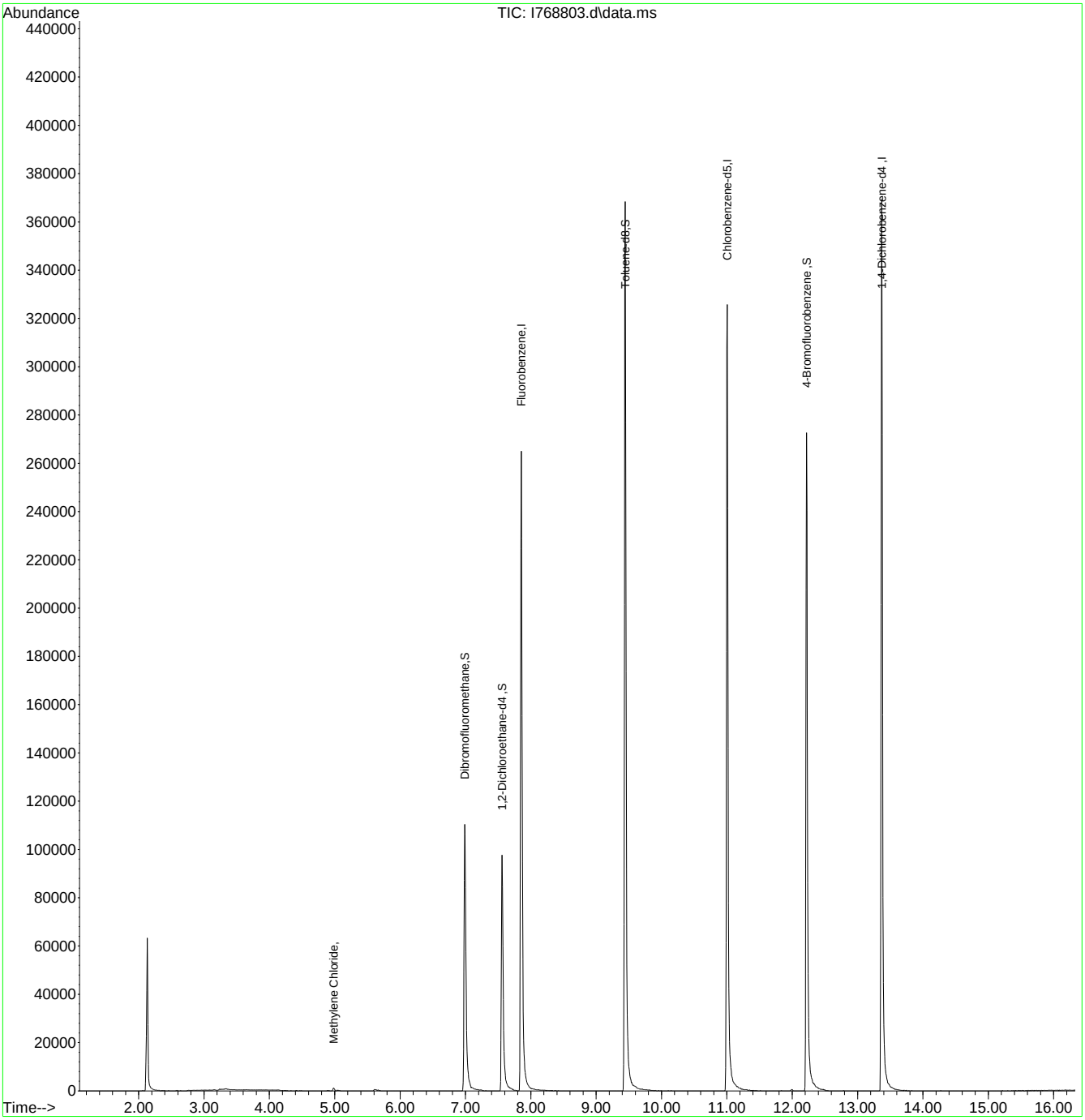
7.1.14

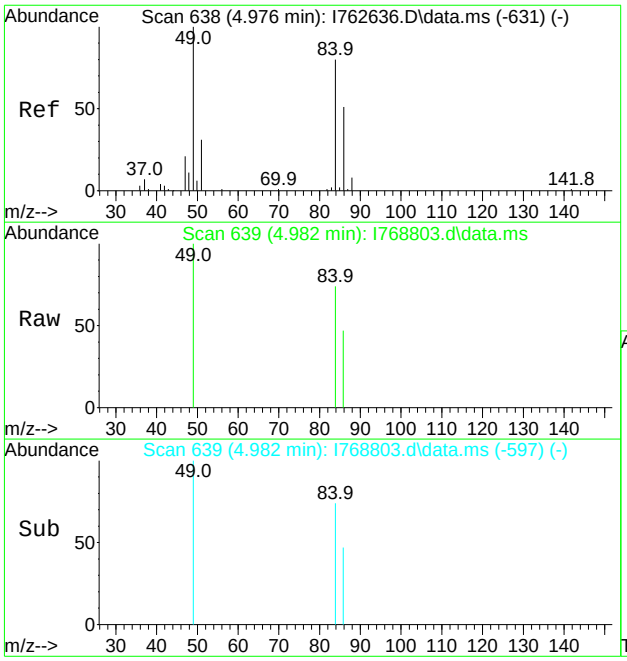
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Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3447\
Data File : I768803.d
Acq On : 23 Dec 2024 5:42 pm
Operator : davidw
Sample : FC21423-14 Inst : VOA16-MSI
Misc : MS58202,VI3447,,,,,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Dec 24 09:21:03 2024
Quant Method : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3431_12-05-20
... 24.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Dec 05 11:12:39 2024
Response via : Initial Calibration

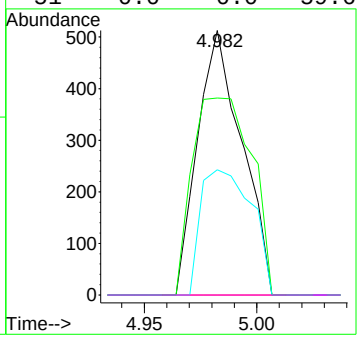




#18
Methylene Chloride
Concen: 0.7731 ug/L
RT: 4.982 min Scan# 639
Delta R.T. 0.006 min
Lab File: I768803.d
Acq: 23 Dec 2024 5:42 pm

Tgt Ion: 49 Resp: 702

Ion	Ratio	Lower	Upper
49	100		
84	74.5	77.1	137.1#
86	47.4	40.8	100.8
51	0.0	0.0	59.6



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\12-23-24\
Data File : I768786.D
Acq On : 23 Dec 2024 10:51 am
Operator : davidw
Sample : MB Inst : VOA16-MSI
Misc : MS58197,VI3447,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 24 09:58:15 2024
Quant Method : C:\msdchem\1\methods\VI3431_12-05-2024.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Dec 05 11:12:39 2024
Response via : Initial Calibration

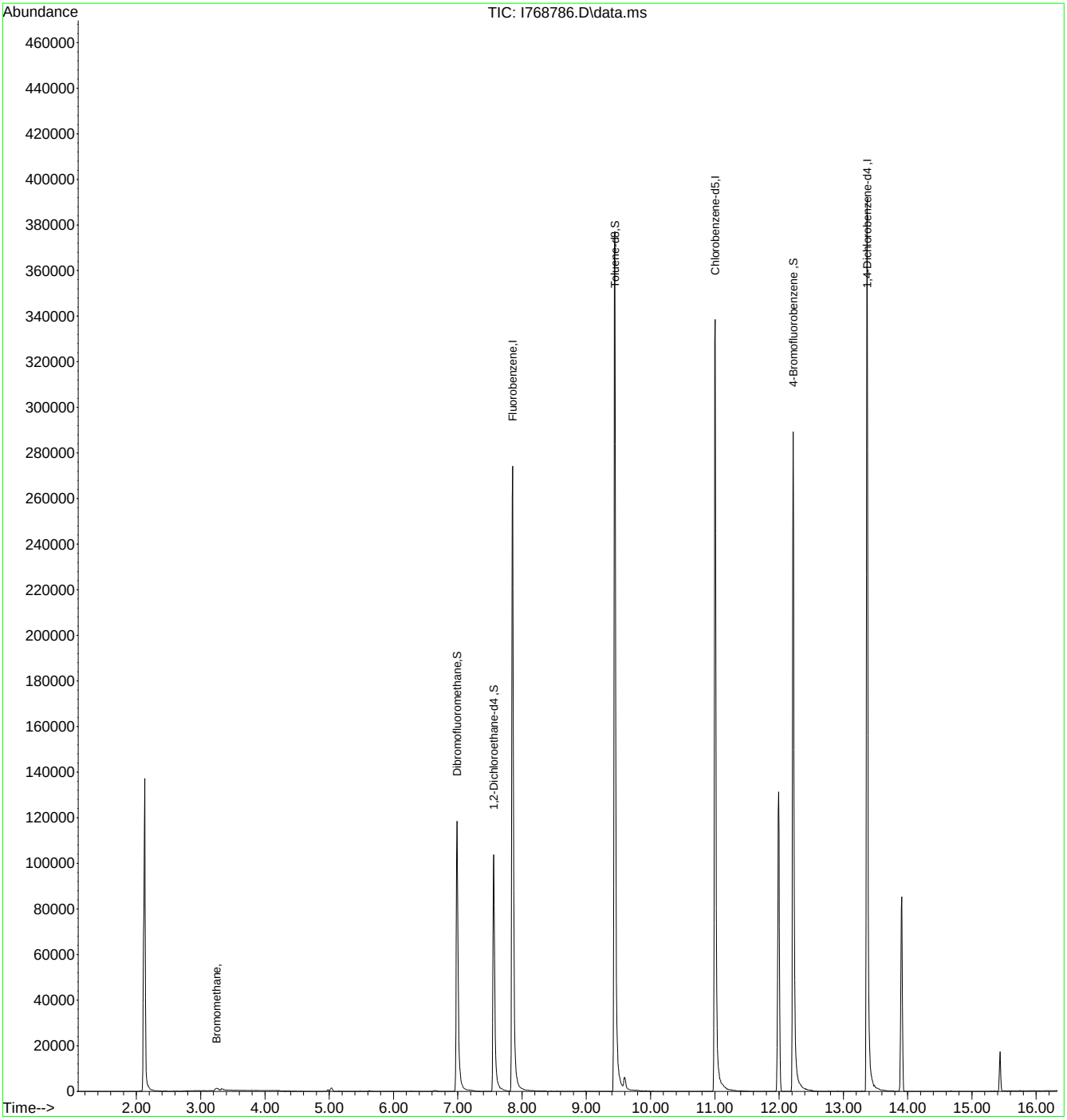
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.854	96	266398	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.005	117	219110	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.371	152	115595	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	6.988	113	79115	49.52	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.04%			
49) 1,2-Dichloroethane-d4	7.561	65	80482	53.71	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 107.42%			
63) Toluene-d8	9.445	98	268041	48.94	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 97.88%			
86) 4-Bromofluorobenzene	12.219	174	92228	50.80	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.60%			
Target Compounds						Qvalue
6) Bromomethane	3.245	94	1172	1.78	ug/L	80

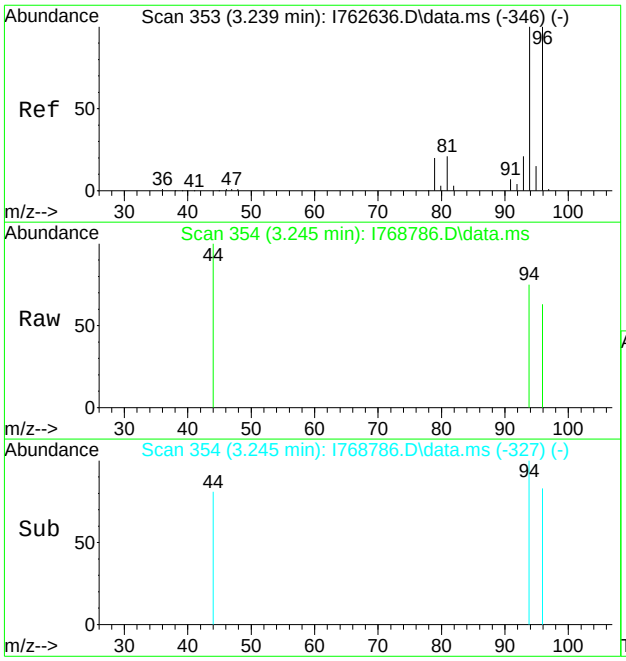
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\12-23-24\
Data File : I768786.D
Acq On : 23 Dec 2024 10:51 am
Operator : davidw
Sample : MB Inst : VOA16-MSI
Misc : MS58197,VI3447,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 24 09:58:15 2024
Quant Method : C:\msdchem\1\methods\VI3431_12-05-2024.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Dec 05 11:12:39 2024
Response via : Initial Calibration

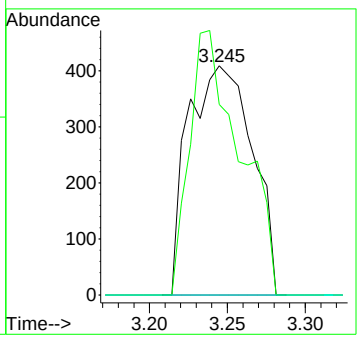




#6
Bromomethane
Concen: 1.78 ug/L
RT: 3.245 min Scan# 354
Delta R.T. 0.012 min
Lab File: I768786.D
Acq: 23 Dec 2024 10:51 am

Tgt Ion: 94 Resp: 1172

Ion	Ratio	Lower	Upper
94	100		
96	83.1	67.6	127.6
93	0.0	0.0	50.9



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\12-23-24\
Data File : I768784.D
Acq On : 23 Dec 2024 9:51 am
Operator : davidw
Sample : BS Inst : VOA16-MSI
Misc : MS58197,VI3447,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 23 10:07:53 2024
Quant Method : C:\msdchem\1\methods\VI3431_12-05-2024.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Dec 05 11:12:39 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.848	96	310365	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.000	117	251270	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.365	152	129685	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	6.982	113	88633	47.62	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 95.24%			
49) 1,2-Dichloroethane-d4	7.555	65	97158	55.65	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 111.30%			
63) Toluene-d8	9.439	98	306523	48.80	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 97.60%			
86) 4-Bromofluorobenzene	12.219	174	105743	51.91	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 103.82%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.355	85	29195	21.72	ug/L	97
3) Chloromethane	2.635	50	21495	22.75	ug/L	98
4) Vinyl Chloride	2.763	62	26474	25.37	ug/L	99
5) 1,3-Butadiene	2.794	39	21667	36.98	ug/L	86
6) Bromomethane	3.227	94	18319	23.84	ug/L	99
7) Chloroethane	3.391	64	13106	20.60	ug/L	98
8) Trichlorofluoromethane	3.586	101	51834	19.21	ug/L	99
9) Ethyl Ether	4.007	59	23521	25.95	ug/L	93
10) 1,2-Dichlorotrifluoroe...	4.233	67	28618	24.95	ug/L	92
11) 1,1-Dichloroethene	4.263	61	32620	23.77	ug/L	93
12) Ethanol	4.202	45	18110	621.20	ug/L	74
13) Freon 113	4.312	101	26179	24.23	ug/L	97
14) Carbon Disulfide	4.324	76	61085	20.56	ug/L	95
15) Iodomethane	4.452	142	19180	20.49	ug/L	95
16) Acrolein	4.672	56	26344	101.65	ug/L	100
17) Allyl chloride	4.848	41	24585	27.51	ug/L	92
18) Methylene Chloride	4.970	49	27317	24.24	ug/L	89
19) Acetone	5.013	43	92846	147.01	ug/L	93
20) Methyl acetate	5.159	43	149773	138.60	ug/L	94
21) trans-1,2-Dichloroethene	5.178	61	30800	24.71	ug/L	96
22) Hexane	5.269	56	16524	26.20	ug/L #	80
23) Methyl Tert Butyl Ether	5.287	73	76151	22.52	ug/L	88
24) Tert butyl alcohol	5.379	59	110814	218.60	ug/L	96
25) Acetonitrile	5.549	41	59077	286.42	ug/L	99
26) Di-isopropyl ether	5.714	45	57838	25.03	ug/L	95
27) Chloroprene	5.860	53	30153	29.56	ug/L	89
28) 1,1-Dichloroethane	5.879	63	40409	24.04	ug/L	99
29) Acrylonitrile	5.915	53	91742	144.65	ug/L	98
30) ETBE	6.129	59	70587	23.90	ug/L	95
31) Vinyl acetate	6.129	43	282505	149.68	ug/L	95
32) cis-1,2-Dichloroethene	6.501	96	27534	22.44	ug/L	91
33) 2,2-Dichloropropane	6.610	77	37832	24.40	ug/L	98
34) Bromochloromethane	6.726	128	14368	23.77	ug/L	87
35) Cyclohexane	6.750	56	33529	26.48	ug/L	94
36) Chloroform	6.787	83	49122	23.84	ug/L	99
37) Ethyl acetate	6.878	43	218802	150.91	ug/L	96
38) Tetrahydrofuran	6.970	42	15787	24.03	ug/L	87
40) Carbon Tetrachloride	6.970	117	35880	22.18	ug/L	99
41) 1,1,1-Trichloroethane	7.031	97	41370	22.87	ug/L	98
42) 2-Butanone	7.092	43	124144	135.25	ug/L	91
43) 1,1-Dichloropropene	7.165	75	32948	27.30	ug/L	96
44) tert-Butyl Formate	7.244	59	123798	139.89	ug/L	88

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\12-23-24\
Data File : I768784.D
Acq On : 23 Dec 2024 9:51 am
Operator : davidw
Sample : BS Inst : VOA16-MSI
Misc : MS58197,VI3447,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 23 10:07:53 2024
Quant Method : C:\msdchem\1\methods\VI3431_12-05-2024.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Dec 05 11:12:39 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45)	Propionitrile	7.403	54	91477	306.88	ug/L		96
46)	Methacrylonitrile	7.427	41	248469	316.66	ug/L		96
47)	Benzene	7.427	78	102000	24.65	ug/L		82
48)	TAME	7.519	73	75744	22.95	ug/L		96
50)	Isobutyl alcohol	7.586	42	44577	564.49	ug/L		96
51)	1,2-Dichloroethane	7.628	62	37802	27.67	ug/L		97
52)	Tert Amyl Alcohol	7.695	59	103223	251.10	ug/L		95
53)	Trichloroethene	8.043	95	28876	23.79	ug/L		89
54)	Methylcyclohexane	8.049	83	39039	23.62	ug/L		93
55)	Dibromomethane	8.482	93	20027	25.03	ug/L		99
56)	1,2-Dichloropropane	8.561	63	23913	26.84	ug/L		91
57)	Bromodichloromethane	8.622	83	34979	23.62	ug/L		99
58)	Methyl methacrylate	8.738	41	25415	29.99	ug/L		88
59)	1,4-Dioxane	8.817	88	19544	480.58	ug/L		87
60)	2-Chloroethyl vinyl ether	9.152	63	56539	128.72	ug/L		94
61)	cis-1,3-Dichloropropene	9.250	75	38881	24.37	ug/L		94
64)	Toluene	9.494	91	107498	22.67	ug/L		99
65)	2-Nitropropane	9.695	41	47038	99.78	ug/L	#	84
66)	4-Methyl-2-pentanone	9.823	43	237982	153.49	ug/L		95
67)	trans-1,3-Dichloropropene	9.896	75	39811	23.67	ug/L		94
68)	Tetrachloroethene	9.902	166	32519	24.17	ug/L		94
69)	Ethyl methacrylate	10.006	69	40331	26.51	ug/L		86
70)	1,1,2-Trichloroethane	10.055	83	23407	25.24	ug/L		94
71)	Dibromochloromethane	10.250	129	32281	23.57	ug/L		98
72)	1,3-Dichloropropane	10.335	76	42490	25.03	ug/L		93
73)	1,2-Dibromoethane	10.512	107	31901	24.42	ug/L		93
74)	3,3-dimethyl-1-butanol	10.609	57	585362	1432.22	ug/L		96
75)	2-hexanone	10.652	43	215242	159.49	ug/L		95
76)	1-Chlorohexane	10.957	91	35245	23.84	ug/L		83
77)	Ethylbenzene	11.024	91	130348	23.92	ug/L		99
78)	Chlorobenzene	11.018	112	81003	24.37	ug/L		94
79)	1,1,1,2-Tetrachloroethane	11.067	131	28572	23.49	ug/L		94
80)	m,p-Xylene	11.164	91	198484	48.57	ug/L		97
81)	o-Xylene	11.603	91	99321	23.55	ug/L		99
82)	Styrene	11.652	104	74354	24.98	ug/L		98
83)	Bromoform	11.707	173	22576	20.20	ug/L		99
84)	Isopropylbenzene	11.908	105	124217	23.94	ug/L		98
87)	cis-1,4-Dichloro-2-butene	12.255	53	11471	26.04	ug/L	#	83
88)	n-Propylbenzene	12.329	91	145324	24.85	ug/L		100
89)	Bromobenzene	12.347	156	33285	23.90	ug/L		95
90)	1,1,2,2-Tetrachloroethane	12.384	83	43606	23.21	ug/L		96
91)	1,3,5-Trimethylbenzene	12.512	105	101318	23.98	ug/L		99
92)	2-Chlorotoluene	12.512	91	98419	24.50	ug/L		97
93)	trans-1,4-Dichloro-2-B...	12.566	53	11050	27.30	ug/L	#	78
94)	1,2,3-Trichloropropane	12.542	110	15900	24.19	ug/L		97
95)	Cyclohexanone	12.603	55	20569	187.25	ug/L		92
96)	4-Chlorotoluene	12.682	91	85895	23.89	ug/L		96
97)	tert-Butylbenzene	12.847	91	56245	23.56	ug/L		94
98)	1,2,4-Trimethylbenzene	12.920	105	100821	24.82	ug/L		99
99)	Pentachloroethane	12.902	167	17690	25.38	ug/L		97
100)	sec-Butylbenzene	13.036	105	117548	22.83	ug/L		98
101)	4-Isopropyltoluene	13.170	119	100431	23.09	ug/L		97
102)	1,3-Dichlorobenzene	13.298	146	57416	23.69	ug/L		98
103)	1,2,3-Trimethylbenzene	13.383	105	104711	23.67	ug/L		99
104)	1,4-Dichlorobenzene	13.383	146	60465	22.52	ug/L		100
105)	n-Butylbenzene	13.615	92	53631	26.81	ug/L		89
106)	Benzyl Chloride	13.627	126	15104	22.84	ug/L	#	68
107)	1,2-Dichlorobenzene	13.822	146	56040	23.81	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\12-23-24\
Data File : I768784.D
Acq On : 23 Dec 2024 9:51 am
Operator : davidw
Sample : BS Inst : VOA16-MSI
Misc : MS58197,VI3447,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 23 10:07:53 2024
Quant Method : C:\msdchem\1\methods\VI3431_12-05-2024.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Dec 05 11:12:39 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) 1,2-Dibromo-3-Chloropr...	14.578	75	10757	23.67	ug/L	92
109) Hexachlorobutadiene	15.145	225	13362	26.01	ug/L	93
110) 1,2,4-Trichlorobenzene	15.188	180	31933	24.11	ug/L	96
111) Naphthalene	15.462	128	112840	22.81	ug/L	100
112) 1,2,3-Trichlorobenzene	15.627	180	29852	24.36	ug/L	97

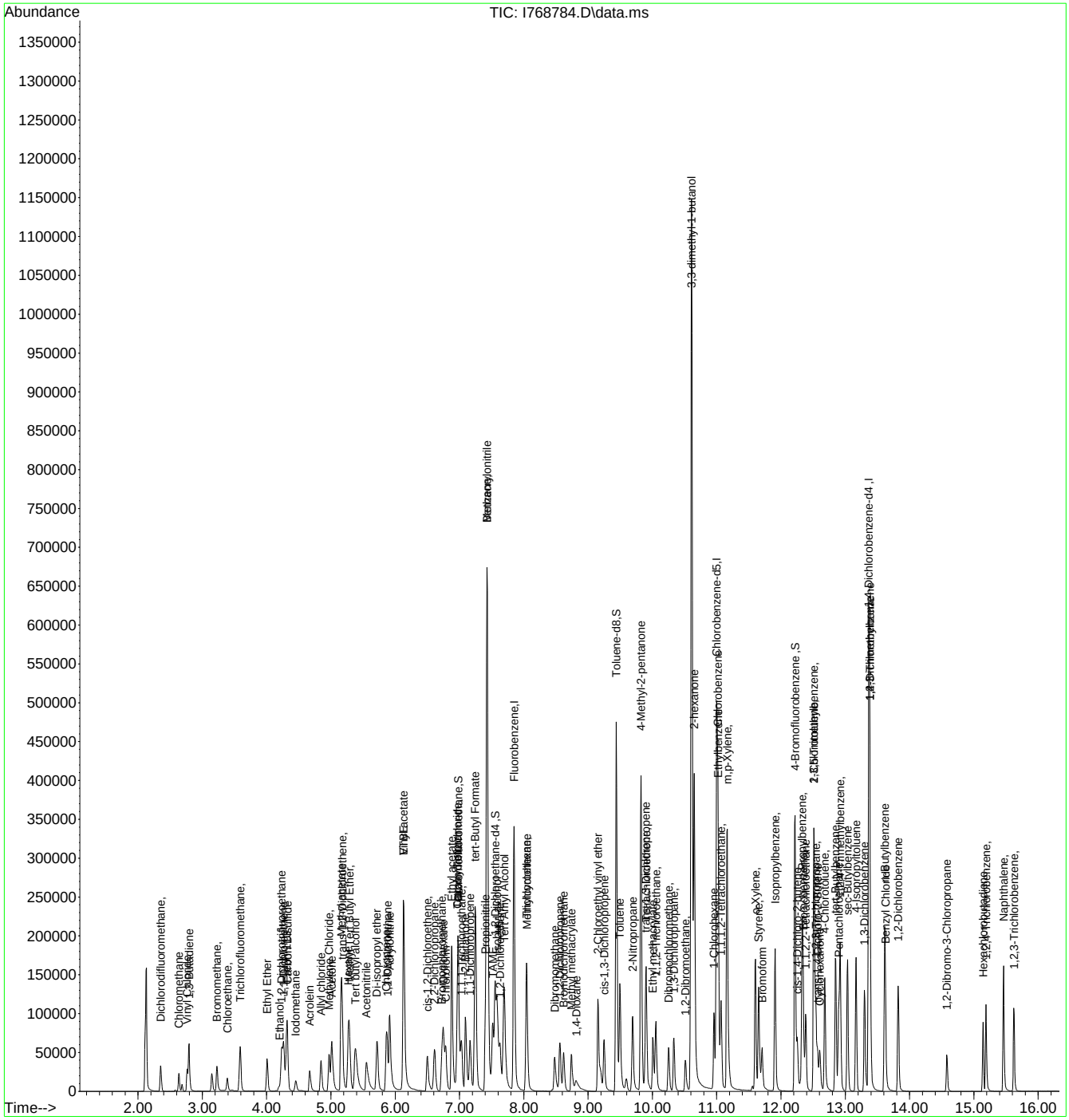
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.3.1
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\12-23-24\
Data File : I768784.D
Acq On : 23 Dec 2024 9:51 am
Operator : davidw
Sample : BS Inst : VOA16-MSI
Misc : MS58197,VI3447,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 23 10:07:53 2024
Quant Method : C:\msdchem\1\methods\VI3431_12-05-2024.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Dec 05 11:12:39 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3447\
Data File : I768807.d
Acq On : 23 Dec 2024 7:18 pm
Operator : davidw
Sample : FC21423-8MS Inst : VOA16-MSI
Misc : MS58202,VI3447,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 24 08:59:07 2024
Quant Method : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3431_12-05-20
... 24.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Dec 05 11:12:39 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.854	96	285824	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.006	117	239124	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.371	152	126255	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	6.982	113	81976	47.82	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 95.64%			
49) 1,2-Dichloroethane-d4	7.555	65	87156	54.21	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 108.42%			
63) Toluene-d8	9.445	98	282241	47.22	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 94.44%			
86) 4-Bromofluorobenzene	12.219	174	99864	50.36	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.72%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.355	85	28688	23.1802	ug/L	98
3) Chloromethane	2.641	50	19553	22.4709	ug/L	99
4) Vinyl Chloride	2.763	62	25894	26.9493	ug/L	95
5) 1,3-Butadiene	2.794	39	23133	42.8762	ug/L	88
6) Bromomethane	3.227	94	9204	13.0039	ug/L	96
7) Chloroethane	3.391	64	12951	22.1051	ug/L	94
8) Trichlorofluoromethane	3.586	101	53039	21.3404	ug/L	99
9) Ethyl Ether	4.013	59	20470	24.5196	ug/L	92
10) 1,2-Dichlorotrifluoroe...	4.239	67	24557	23.2433	ug/L	90
11) 1,1-Dichloroethene	4.269	61	29479	23.3233	ug/L	94
12) Ethanol	4.220	45	15676	582.1988	ug/L	94
13) Freon 113	4.312	101	24357	24.4808	ug/L	97
14) Carbon Disulfide	4.324	76	52118	19.0449	ug/L	94
15) Iodomethane	4.458	142	12269	14.1680	ug/L	95
16) Acrolein	4.671	56	23323	97.7245	ug/L	98
17) Allyl chloride	4.848	41	23524	28.5804	ug/L	92
18) Methylene Chloride	4.976	49	24976	24.0665	ug/L	83
19) Acetone	5.019	43	78535	135.0288	ug/L	93
20) Methyl acetate	5.165	43	124008	124.6079	ug/L	95
21) trans-1,2-Dichloroethene	5.177	61	28290	24.6485	ug/L	94
22) Hexane	5.275	56	14977	25.7851	ug/L	87
23) Methyl Tert Butyl Ether	5.293	73	65178	20.9262	ug/L	92
24) Tert butyl alcohol	5.385	59	131030	280.6697	ug/L	94
25) Acetonitrile	5.561	41	57108	301.7820	ug/L	97
26) Di-isopropyl ether	5.726	45	50266	23.6245	ug/L	93
27) Chloroprene	5.866	53	30833	32.8252	ug/L	92
28) 1,1-Dichloroethane	5.878	63	36867	23.8121	ug/L	100
29) Acrylonitrile	5.915	53	86535	148.1600	ug/L	97
30) ETBE	6.135	59	61123	22.4747	ug/L	96
31) Vinyl acetate	6.135	43	259504	149.3213	ug/L	95
32) cis-1,2-Dichloroethene	6.506	96	23482	20.7833	ug/L	91
33) 2,2-Dichloropropane	6.616	77	32042	22.4360	ug/L	99
34) Bromochloromethane	6.726	128	13341	23.9662	ug/L	89
35) Cyclohexane	6.756	56	29952	25.6837	ug/L	90
36) Chloroform	6.793	83	44538	23.4728	ug/L	99
37) Ethyl acetate	6.884	43	201948	151.2483	ug/L	96
38) Tetrahydrofuran	6.976	42	14284	23.6123	ug/L	92
40) Carbon Tetrachloride	6.976	117	32580	21.8719	ug/L	94
41) 1,1,1-Trichloroethane	7.031	97	38158	22.9023	ug/L	98
42) 2-Butanone	7.098	43	111959	132.4433	ug/L	92
43) 1,1-Dichloropropene	7.171	75	29680	26.7012	ug/L	94

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3447\
Data File : I768807.d
Acq On : 23 Dec 2024 7:18 pm
Operator : davidw
Sample : FC21423-8MS Inst : VOA16-MSI
Misc : MS58202,VI3447,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 24 08:59:07 2024
Quant Method : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3431_12-05-20
... 24.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Dec 05 11:12:39 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
44) tert-Butyl Formate	7.256	59	6641	8.1487 ug/L #	77
45) Propionitrile	7.409	54	90068	328.0951 ug/L	97
46) Methacrylonitrile	7.433	41	247044	341.8718 ug/L	94
47) Benzene	7.427	78	91138	23.9140 ug/L	80
48) TAME	7.518	73	65356	21.5064 ug/L	96
50) Isobutyl alcohol	7.585	42	44356	609.9220 ug/L	97
51) 1,2-Dichloroethane	7.634	62	33427	26.5669 ug/L	97
52) Tert Amyl Alcohol	7.695	59	86681	228.9628 ug/L	94
53) Trichloroethene	8.043	95	25141	22.4946 ug/L	91
54) Methylcyclohexane	8.049	83	35600	23.3868 ug/L	95
55) Dibromomethane	8.482	93	17699	24.0230 ug/L	96
56) 1,2-Dichloropropane	8.567	63	21102	25.7226 ug/L	96
57) Bromodichloromethane	8.622	83	30674	22.4961 ug/L	97
58) Methyl methacrylate	8.744	41	24849	31.8424 ug/L	85
59) 1,4-Dioxane	8.823	88	17489	467.1872 ug/L	93
61) cis-1,3-Dichloropropene	9.262	75	31448	21.4019 ug/L	96
64) Toluene	9.500	91	96075	21.2899 ug/L	99
65) 2-Nitropropane	9.695	41	37341	83.2374 ug/L #	84
66) 4-Methyl-2-pentanone	9.823	43	219756	148.9295 ug/L	97
67) trans-1,3-Dichloropropene	9.896	75	31931	19.9522 ug/L	92
68) Tetrachloroethene	9.908	166	28121	21.9588 ug/L	98
69) Ethyl methacrylate	10.012	69	39664	27.3919 ug/L	90
70) 1,1,2-Trichloroethane	10.054	83	20854	23.6307 ug/L	91
71) Dibromochloromethane	10.256	129	27437	21.0528 ug/L	96
72) 1,3-Dichloropropane	10.335	76	36719	22.7270 ug/L	92
73) 1,2-Dibromoethane	10.518	107	27784	22.3499 ug/L	92
74) 3,3-dimethyl-1-butanol	10.609	57	544651	1400.3037 ug/L	96
75) 2-hexanone	10.652	43	199132	155.0428 ug/L	94
76) 1-Chlorohexane	10.963	91	30867	21.9356 ug/L	85
77) Ethylbenzene	11.024	91	117176	22.5977 ug/L	97
78) Chlorobenzene	11.024	112	71703	22.6707 ug/L	96
79) 1,1,1,2-Tetrachloroethane	11.073	131	24673	21.3137 ug/L	97
80) m,p-Xylene	11.164	91	175558	45.1410 ug/L	98
81) o-Xylene	11.603	91	88905	22.1480 ug/L	98
82) Styrene	11.658	104	64466	22.7608 ug/L	98
83) Bromoform	11.713	173	18038	16.9581 ug/L	98
84) Isopropylbenzene	11.908	105	110873	22.4583 ug/L	98
87) cis-1,4-Dichloro-2-butene	12.255	53	10636	24.8032 ug/L #	74
88) n-Propylbenzene	12.335	91	130162	22.8651 ug/L	99
89) Bromobenzene	12.347	156	29957	22.0982 ug/L	88
90) 1,1,2,2-Tetrachloroethane	12.389	83	41255	22.5577 ug/L	98
91) 1,3,5-Trimethylbenzene	12.511	105	91311	22.1988 ug/L	98
92) 2-Chlorotoluene	12.517	91	87805	22.4478 ug/L	98
93) trans-1,4-Dichloro-2-B...	12.572	53	9231	23.4237 ug/L #	68
94) 1,2,3-Trichloropropane	12.542	110	14016	21.9058 ug/L	93
95) Cyclohexanone	12.609	55	15946	149.1111 ug/L	92
96) 4-Chlorotoluene	12.682	91	76539	21.8694 ug/L	97
97) tert-Butylbenzene	12.853	91	49379	21.2496 ug/L	96
98) 1,2,4-Trimethylbenzene	12.926	105	90167	22.8032 ug/L	99
99) Pentachloroethane	12.902	167	17844	26.2941 ug/L	97
100) sec-Butylbenzene	13.036	105	104813	20.9052 ug/L	98
101) 4-Isopropyltoluene	13.170	119	87992	20.7839 ug/L	100
102) 1,3-Dichlorobenzene	13.304	146	50835	21.5463 ug/L	99
103) 1,2,3-Trimethylbenzene	13.383	105	93643	21.7401 ug/L	97
104) 1,4-Dichlorobenzene	13.383	146	54625	20.8948 ug/L	99
105) n-Butylbenzene	13.615	92	45472	23.3461 ug/L #	75
106) Benzyl Chloride	13.627	126	11001	17.3872 ug/L #	91

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3447\
Data File : I768807.d
Acq On : 23 Dec 2024 7:18 pm
Operator : davidw
Sample : FC21423-8MS Inst : VOA16-MSI
Misc : MS58202,VI3447,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 24 08:59:07 2024
Quant Method : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3431_12-05-20
... 24.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Dec 05 11:12:39 2024
Response via : Initial Calibration

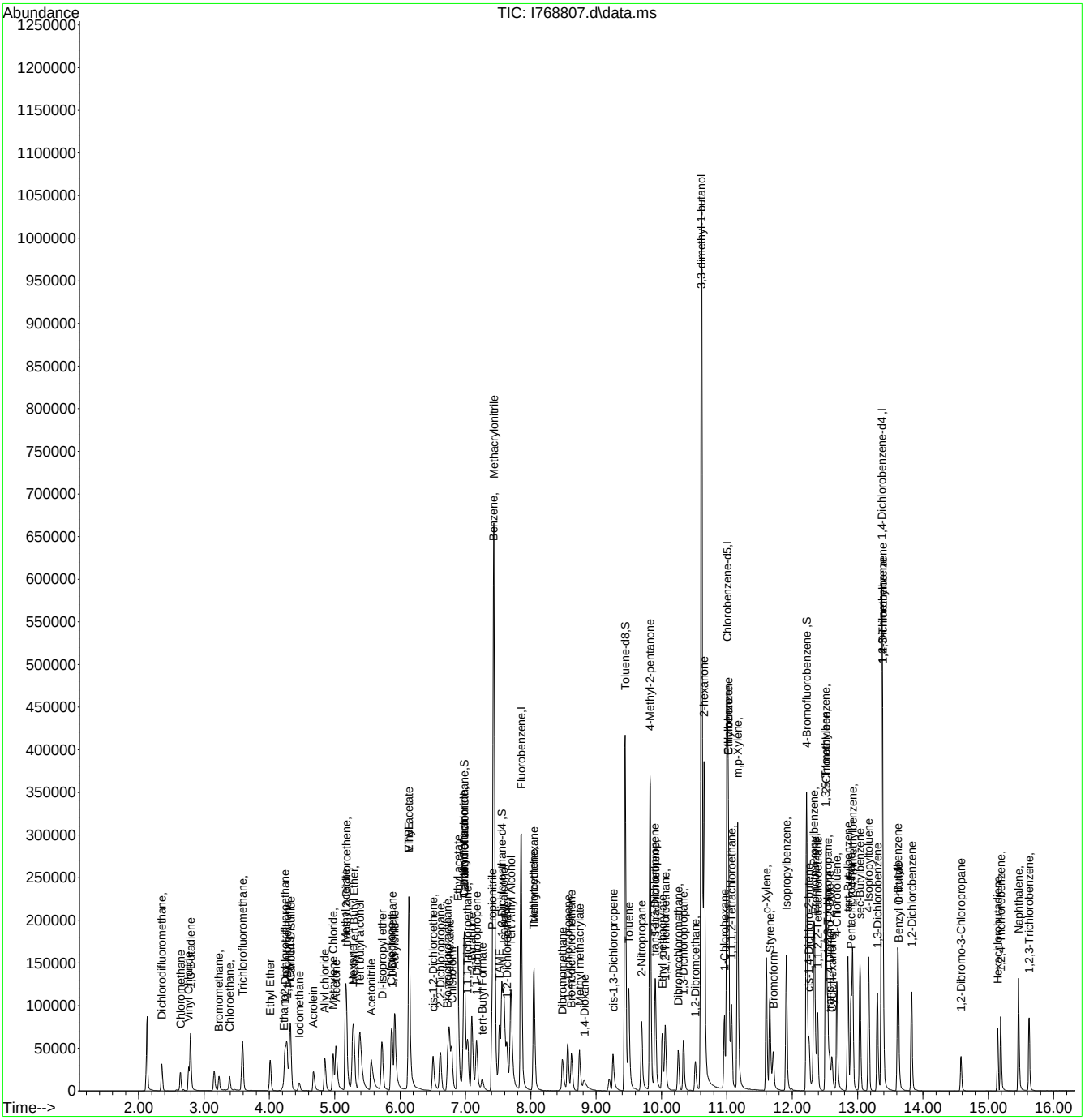
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
107) 1,2-Dichlorobenzene	13.828	146	49715	21.6960	ug/L	99
108) 1,2-Dibromo-3-Chloropr...	14.584	75	9351	21.1386	ug/L	94
109) Hexachlorobutadiene	15.145	225	10817	21.6260	ug/L	97
110) 1,2,4-Trichlorobenzene	15.188	180	26457	20.5209	ug/L	98
111) Naphthalene	15.462	128	94898	19.7023	ug/L	99
112) 1,2,3-Trichlorobenzene	15.627	180	25059	21.0052	ug/L	96

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

Quantitation Report (QT Reviewed)

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Operator : davidw
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Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3447\
Data File : I768808.d
Acq On : 23 Dec 2024 7:42 pm
Operator : davidw
Sample : FC21423-8MSD Inst : VOA16-MSI
Misc : MS58202,VI3447,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 24 08:59:15 2024
Quant Method : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3431_12-05-20
... 24.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Dec 05 11:12:39 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.854	96	298926	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.006	117	246487	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.371	152	129355	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	6.982	113	84869	47.34	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 94.68%			
49) 1,2-Dichloroethane-d4	7.561	65	94238	56.05	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 112.10%			
63) Toluene-d8	9.445	98	293166	47.58	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 95.16%			
86) 4-Bromofluorobenzene	12.219	174	102329	50.37	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.74%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.355	85	30201	23.3332	ug/L	97
3) Chloromethane	2.641	50	21759	23.9101	ug/L	99
4) Vinyl Chloride	2.763	62	29201	29.0590	ug/L	98
5) 1,3-Butadiene	2.794	39	23845	42.2588	ug/L	94
6) Bromomethane	3.227	94	12580	16.9946	ug/L	100
7) Chloroethane	3.391	64	14490	23.6478	ug/L	94
8) Trichlorofluoromethane	3.586	101	53963	20.7606	ug/L	98
9) Ethyl Ether	4.013	59	23664	27.1031	ug/L	93
10) 1,2-Dichlorotrifluoroe...	4.239	67	27708	25.0763	ug/L	92
11) 1,1-Dichloroethene	4.269	61	33471	25.3210	ug/L	92
12) Ethanol	4.208	45	15844	561.8019	ug/L	88
13) Freon 113	4.312	101	26468	25.4365	ug/L	97
14) Carbon Disulfide	4.324	76	60579	21.1665	ug/L	97
15) Iodomethane	4.458	142	19845	22.0343	ug/L	96
16) Acrolein	4.678	56	23884	95.6888	ug/L	98
17) Allyl chloride	4.848	41	23612	27.4299	ug/L	90
18) Methylene Chloride	4.976	49	27012	24.8875	ug/L	90
19) Acetone	5.019	43	83724	137.6411	ug/L	92
20) Methyl acetate	5.165	43	145682	139.9705	ug/L	95
21) trans-1,2-Dichloroethene	5.178	61	31888	26.5656	ug/L	91
22) Hexane	5.275	56	16719	27.5226	ug/L #	80
23) Methyl Tert Butyl Ether	5.293	73	74126	22.7560	ug/L	92
24) Tert butyl alcohol	5.385	59	141906	290.6435	ug/L	94
25) Acetonitrile	5.562	41	57406	289.1606	ug/L	95
26) Di-isopropyl ether	5.720	45	57701	25.9302	ug/L	94
27) Chloroprene	5.866	53	30032	30.5711	ug/L	93
28) 1,1-Dichloroethane	5.879	63	41976	25.9237	ug/L	98
29) Acrylonitrile	5.921	53	88767	145.3201	ug/L	99
30) ETBE	6.135	59	70209	24.6841	ug/L	95
31) Vinyl acetate	6.135	43	272332	149.8098	ug/L	94
32) cis-1,2-Dichloroethene	6.500	96	27923	23.6307	ug/L	89
33) 2,2-Dichloropropane	6.616	77	36014	24.1119	ug/L	97
34) Bromochloromethane	6.726	128	14558	25.0062	ug/L	84
35) Cyclohexane	6.750	56	34607	28.3746	ug/L	89
36) Chloroform	6.787	83	49652	25.0210	ug/L	98
37) Ethyl acetate	6.885	43	206759	148.0643	ug/L	95
38) Tetrahydrofuran	6.976	42	17120	27.0600	ug/L	86
40) Carbon Tetrachloride	6.970	117	37431	24.0272	ug/L	99
41) 1,1,1-Trichloroethane	7.031	97	43024	24.6910	ug/L	97
42) 2-Butanone	7.098	43	117963	133.4295	ug/L	88
43) 1,1-Dichloropropene	7.171	75	34055	29.2943	ug/L	95

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3447\
Data File : I768808.d
Acq On : 23 Dec 2024 7:42 pm
Operator : davidw
Sample : FC21423-8MSD Inst : VOA16-MSI
Misc : MS58202,VI3447,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 24 08:59:15 2024
Quant Method : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3431_12-05-20
... 24.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Dec 05 11:12:39 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	tert-Butyl Formate	7.256	59	12465	14.6245	ug/L	#	75
45)	Propionitrile	7.409	54	87909	306.1947	ug/L		97
46)	Methacrylonitrile	7.433	41	245135	324.3615	ug/L		95
47)	Benzene	7.427	78	103878	26.0622	ug/L		92
48)	TAME	7.525	73	74829	23.5444	ug/L		93
50)	Isobutyl alcohol	7.592	42	45282	595.3639	ug/L		98
51)	1,2-Dichloroethane	7.634	62	38450	29.2196	ug/L		96
52)	Tert Amyl Alcohol	7.695	59	103633	261.7424	ug/L		93
53)	Trichloroethene	8.043	95	28326	24.2335	ug/L		94
54)	Methylcyclohexane	8.049	83	40954	25.7248	ug/L		93
55)	Dibromomethane	8.482	93	20210	26.2289	ug/L		96
56)	1,2-Dichloropropane	8.561	63	24052	28.0335	ug/L		95
57)	Bromodichloromethane	8.622	83	35308	24.7596	ug/L		95
58)	Methyl methacrylate	8.744	41	25018	30.6539	ug/L		89
59)	1,4-Dioxane	8.817	88	19913	507.9270	ug/L		90
61)	cis-1,3-Dichloropropene	9.256	75	36378	23.6719	ug/L		95
64)	Toluene	9.500	91	109646	23.5713	ug/L		96
65)	2-Nitropropane	9.695	41	44855	97.0002	ug/L	#	83
66)	4-Methyl-2-pentanone	9.823	43	231670	152.3137	ug/L		94
67)	trans-1,3-Dichloropropene	9.896	75	36739	22.2707	ug/L		94
68)	Tetrachloroethene	9.908	166	30872	23.3868	ug/L		95
69)	Ethyl methacrylate	10.012	69	39349	26.3626	ug/L		92
70)	1,1,2-Trichloroethane	10.055	83	23433	25.7599	ug/L		92
71)	Dibromochloromethane	10.256	129	31164	23.1982	ug/L		99
72)	1,3-Dichloropropane	10.335	76	42231	25.3578	ug/L		90
73)	1,2-Dibromoethane	10.518	107	31230	24.3715	ug/L		92
74)	3,3-dimethyl-1-butanol	10.609	57	516809	1289.0304	ug/L		95
75)	2-hexanone	10.652	43	207073	156.4096	ug/L		96
76)	1-Chlorohexane	10.963	91	34874	24.0428	ug/L		84
77)	Ethylbenzene	11.024	91	131321	24.5690	ug/L		97
78)	Chlorobenzene	11.024	112	81517	25.0037	ug/L		94
79)	1,1,1,2-Tetrachloroethane	11.073	131	28219	23.6488	ug/L		98
80)	m,p-Xylene	11.164	91	199940	49.8746	ug/L		96
81)	o-Xylene	11.603	91	100786	24.3577	ug/L		96
82)	Styrene	11.658	104	73414	25.1457	ug/L		97
83)	Bromoform	11.707	173	20971	19.1265	ug/L		97
84)	Isopropylbenzene	11.908	105	124661	24.4968	ug/L		98
87)	cis-1,4-Dichloro-2-butene	12.255	53	10237	23.3007	ug/L	#	81
88)	n-Propylbenzene	12.329	91	146337	25.0904	ug/L		97
89)	Bromobenzene	12.347	156	33311	23.9835	ug/L		90
90)	1,1,2,2-Tetrachloroethane	12.390	83	46649	24.8958	ug/L		98
91)	1,3,5-Trimethylbenzene	12.511	105	102434	24.3062	ug/L		98
92)	2-Chlorotoluene	12.518	91	98973	24.6966	ug/L		97
93)	trans-1,4-Dichloro-2-B...	12.572	53	10373	25.6908	ug/L	#	66
94)	1,2,3-Trichloropropane	12.542	110	16050	24.4836	ug/L		92
95)	Cyclohexanone	12.603	55	16089	146.8428	ug/L		90
96)	4-Chlorotoluene	12.682	91	86425	24.1023	ug/L		98
97)	tert-Butylbenzene	12.853	91	55786	23.4314	ug/L		97
98)	1,2,4-Trimethylbenzene	12.926	105	101176	24.9742	ug/L		98
99)	Pentachloroethane	12.902	167	18013	25.9071	ug/L		96
100)	sec-Butylbenzene	13.036	105	118805	23.1280	ug/L		98
101)	4-Isopropyltoluene	13.170	119	101613	23.4260	ug/L		98
102)	1,3-Dichlorobenzene	13.304	146	57148	23.6416	ug/L		99
103)	1,2,3-Trimethylbenzene	13.383	105	105641	23.9377	ug/L		98
104)	1,4-Dichlorobenzene	13.383	146	62038	23.1617	ug/L		100
105)	n-Butylbenzene	13.615	92	53000	26.5589	ug/L	#	77
106)	Benzyl Chloride	13.627	126	12320	18.9131	ug/L	#	84

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3447\
Data File : I768808.d
Acq On : 23 Dec 2024 7:42 pm
Operator : davidw
Sample : FC21423-8MSD Inst : VOA16-MSI
Misc : MS58202,VI3447,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 24 08:59:15 2024
Quant Method : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3431_12-05-20
... 24.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Dec 05 11:12:39 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
107) 1,2-Dichlorobenzene	13.828	146	56827	24.2054	ug/L	97
108) 1,2-Dibromo-3-Chloropr...	14.584	75	10881	24.0078	ug/L	95
109) Hexachlorobutadiene	15.145	225	12240	23.8845	ug/L	98
110) 1,2,4-Trichlorobenzene	15.188	180	30177	22.8453	ug/L	98
111) Naphthalene	15.462	128	108541	21.9947	ug/L	100
112) 1,2,3-Trichlorobenzene	15.627	180	28612	23.4087	ug/L	95

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

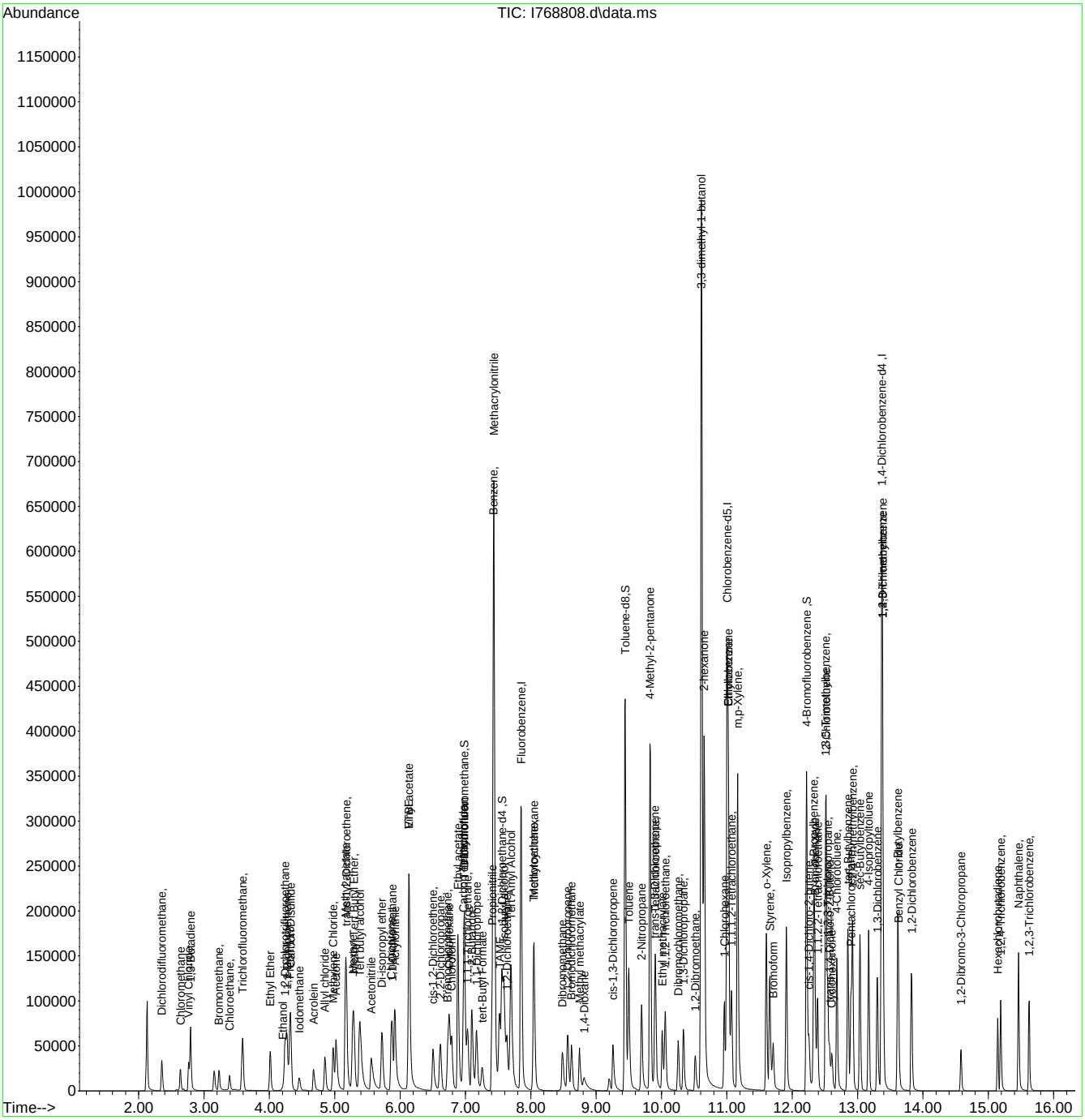
7.4.2

7

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3447\
Data File : I768808.d
Acq On : 23 Dec 2024 7:42 pm
Operator : davidw
Sample : FC21423-8MSD Inst : VOA16-MSI
Misc : MS58202,VI3447,,,,,
ALS Vial : 27 Sample Multiplier: 1

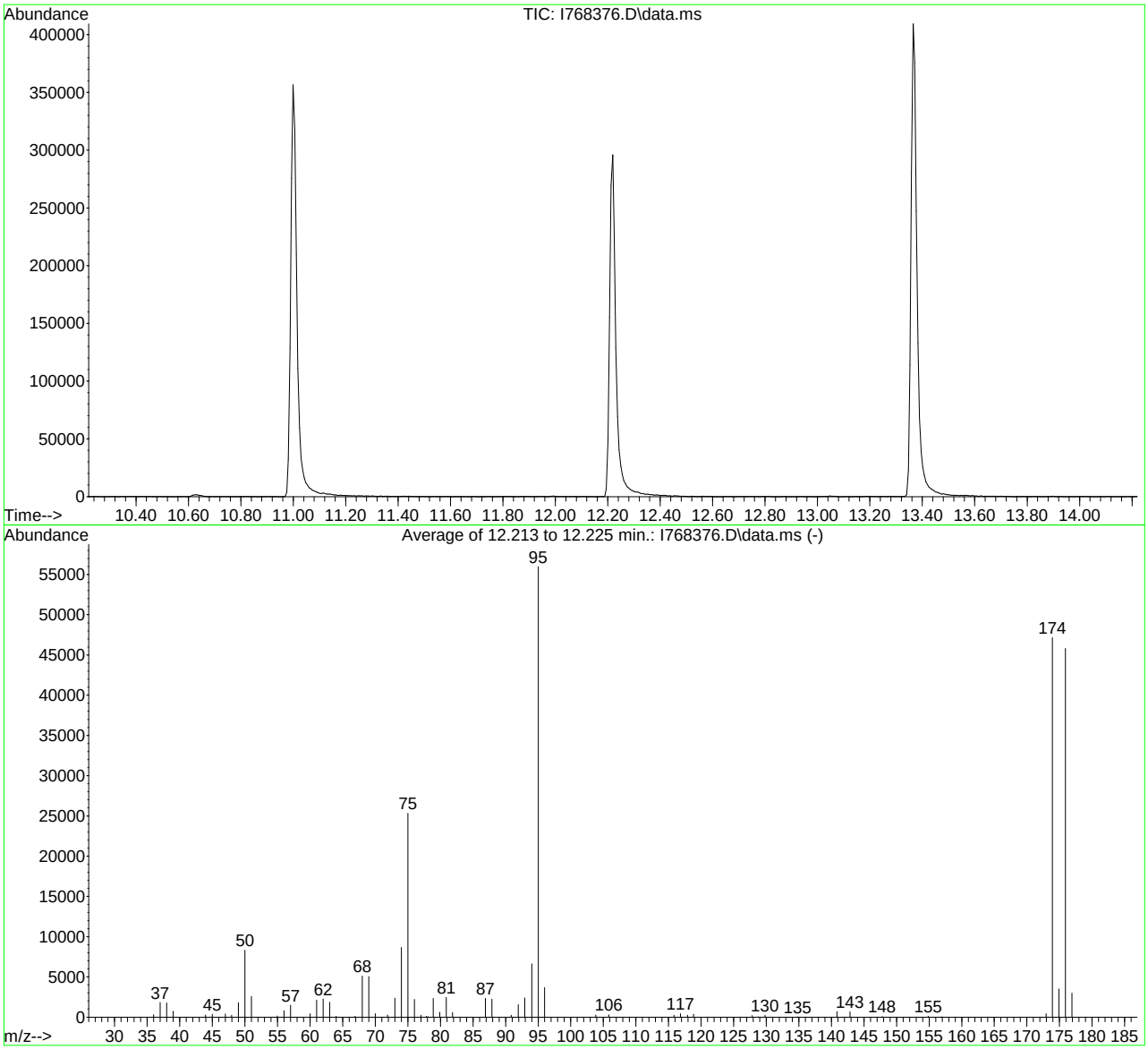
Quant Time: Dec 24 08:59:15 2024
Quant Method : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3431_12-05-20
... 24.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Dec 05 11:12:39 2024
Response via : Initial Calibration



Methods: SW-846 8260D

Data File : C:\msdchem\1\data\12-05-24\I768376.D Vial: 1
Acq On : 5 Dec 2024 5:50 am Operator: jeniferw
Sample : BFB Inst : VOA16-MSI
Misc : MS58055,VI3431,,,,, Multiplr: 1.00
MS Integration Params: tiny.p

Method : C:\msdchem\1\met...431_12-05-2024.m (RTE Integrator)
Title : SW-846 Method 5030/8260D & EPA 624.1



AutoFind: Scans 1825, 1826, 1827; Background Corrected with Scan 1818

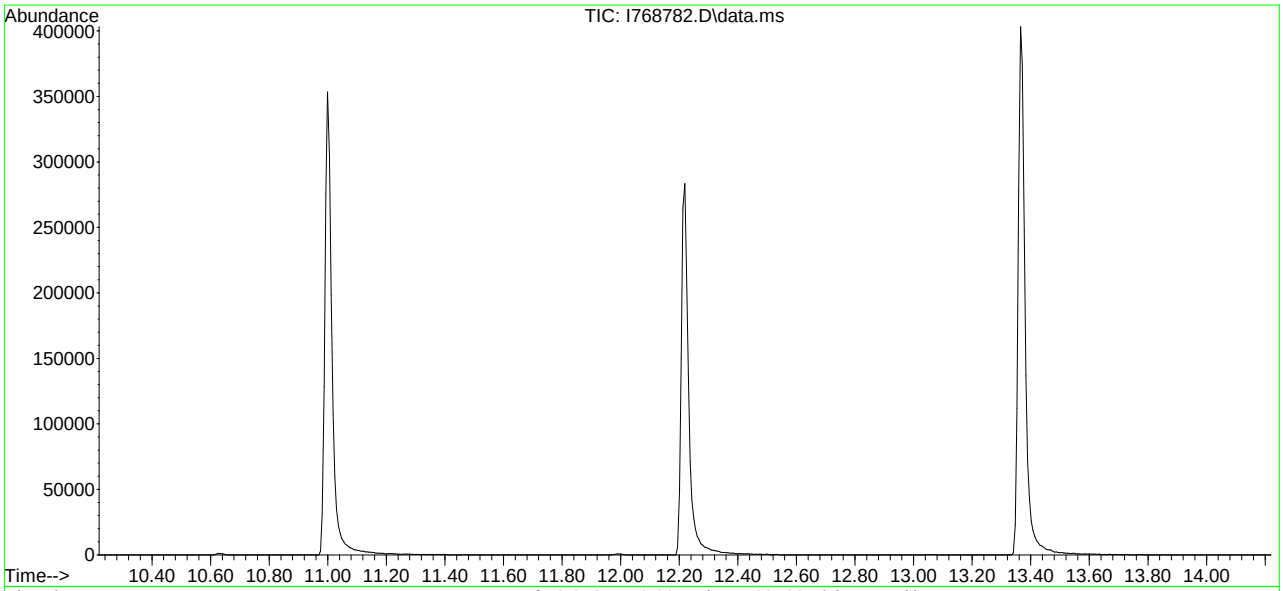
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	95	100	100	100.0	55960	PASS
96	95	5	9	6.5	3651	PASS
173	174	0.00	2	0.9	436	PASS
174	95	50	200	84.3	47160	PASS
175	174	5	9	7.4	3502	PASS
176	174	95	105	97.1	45792	PASS
177	176	5	10	6.5	2968	PASS

I768376.D VI3431_12-05-2024.m Thu Dec 05 07:22:56 2024

Methods: SW-846 8260D

```
Data File : C:\msdchem\1\data\12-23-24\I768782.D          Vial: 1
Acq On    : 23 Dec 2024   8:38 am                    Operator: davidw
Sample    : BFB                                      Inst    : VOA16-MSI
Misc      : MS58197,VI3447,,,,,                      Multiplr: 1.00
MS Integration Params: tiny.p

Method    : C:\msdchem\1\met...431_12-05-2024.m (RTE Integrator)
Title     : SW-846 Method 5030/8260D & EPA 624.1
```



AutoFind: Scans 1825, 1826, 1827; Background Corrected with Scan 1819

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	95	100	100	100.0	53600	PASS
96	95	5	9	6.4	3441	PASS
173	174	0.00	2	0.9	386	PASS
174	95	50	200	83.8	44915	PASS
175	174	5	9	7.7	3437	PASS
176	174	95	105	97.2	43672	PASS
177	176	5	10	6.9	3032	PASS

I768782.D VI3431_12-05-2024.m Mon Dec 23 08:54:46 2024

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
12/05/24 12:26

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\12-05-24\
Data File : I768377.D
Acq On : 5 Dec 2024 6:19 am
Operator : jeniferw
Sample : IC3431-1 Inst : VOA16-MSI
Misc : MS58055,VI3431,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 05 07:23:40 2024
Quant Method : C:\msdchem\1\methods\VI3431_12-05-2024.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Tue Nov 19 11:47:45 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	7.848	96	266773	50.00	ug/L		0.00
62) Chlorobenzene-d5	10.999	117	218065	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	13.371	152	110215	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	6.988	113	78324	49.20	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.40%				
49) 1,2-Dichloroethane-d4	7.555	65	75409	45.63	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 91.26%				
63) Toluene-d8	9.439	98	266773	46.35	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 92.70%				
86) 4-Bromofluorobenzene	12.219	174	85764	48.25	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 96.50%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.355	85	1126	0.80	ug/L		88
3) Chloromethane	2.635	50	783	0.66	ug/L		98
4) Vinyl Chloride	2.769	62	857	0.74	ug/L		96
5) 1,3-Butadiene	2.806	39	428	0.51	ug/L		83
6) Bromomethane	3.233	94	1710	2.90	ug/L		89
7) Chloroethane	3.391	64	795	1.65	ug/L	#	46
8) Trichlorofluoromethane	3.586	101	2508	1.23	ug/L		89
9) Ethyl Ether	4.013	59	751	0.76	ug/L		98
10) 1,2-Dichlorotrifluoroe...	4.239	67	935	0.82	ug/L		96
11) 1,1-Dichloroethene	4.263	61	1056	0.73	ug/L		95
13) Freon 113	4.318	101	687	0.70	ug/L	#	86
14) Carbon Disulfide	4.324	76	2635	0.84	ug/L		83
15) Iodomethane	4.452	142	451	0.47	ug/L	#	42
16) Acrolein	4.684	56	888	2.61	ug/L		86
17) Allyl chloride	4.854	41	707	0.57	ug/L	#	92
18) Methylene Chloride	4.976	49	3489	2.58	ug/L		89
19) Acetone	5.037	43	2781	3.74	ug/L		88
20) Methyl acetate	5.183	43	4405	3.17	ug/L		88
21) trans-1,2-Dichloroethene	5.183	61	931	0.70	ug/L		98
22) Hexane	5.275	56	408	0.51	ug/L	#	54
23) Methyl Tert Butyl Ether	5.305	73	3039	0.86	ug/L		91
24) Tert butyl alcohol	5.409	59	5162	8.90	ug/L		80
25) Acetonitrile	5.604	41	4892	16.20	ug/L		98
26) Di-isopropyl ether	5.732	45	1924	0.62	ug/L		89
27) Chloroprene	5.891	53	684	0.56	ug/L	#	31
28) 1,1-Dichloroethane	5.891	63	1458	0.83	ug/L		84
29) Acrylonitrile	5.891	53	684	0.93	ug/L	#	17
30) ETBE	6.141	59	2643	0.80	ug/L		95
31) Vinyl acetate	6.214	43	2748	1.08	ug/L		73
32) cis-1,2-Dichloroethene	6.531	96	608	0.53	ug/L	#	65
33) 2,2-Dichloropropane	6.616	77	1133	0.70	ug/L		86
34) Bromochloromethane	6.756	128	400	0.72	ug/L	#	66
35) Cyclohexane	6.756	56	858	0.53	ug/L		94
36) Chloroform	6.805	83	1668	0.78	ug/L		81
37) Ethyl acetate	6.915	43	4465	2.36	ug/L		92
38) Tetrahydrofuran	6.988	42	469	0.57	ug/L		89
40) Carbon Tetrachloride	6.976	117	1173	0.78	ug/L	#	70
41) 1,1,1-Trichloroethane	7.031	97	1475	0.88	ug/L		89
42) 2-Butanone	7.165	43	3072	2.70	ug/L		95
43) 1,1-Dichloropropene	7.189	75	859	0.73	ug/L		75
44) tert-Butyl Formate	7.262	59	3259	2.80	ug/L		78
45) Propionitrile	7.439	54	1838	5.35	ug/L	#	41

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\12-05-24\
Data File : I768377.D
Acq On : 5 Dec 2024 6:19 am
Operator : jeniferw
Sample : IC3431-1 Inst : VOA16-MSI
Misc : MS58055,VI3431,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 05 07:23:40 2024
Quant Method : C:\msdchem\1\methods\VI3431_12-05-2024.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Tue Nov 19 11:47:45 2024
Response via : Initial Calibration

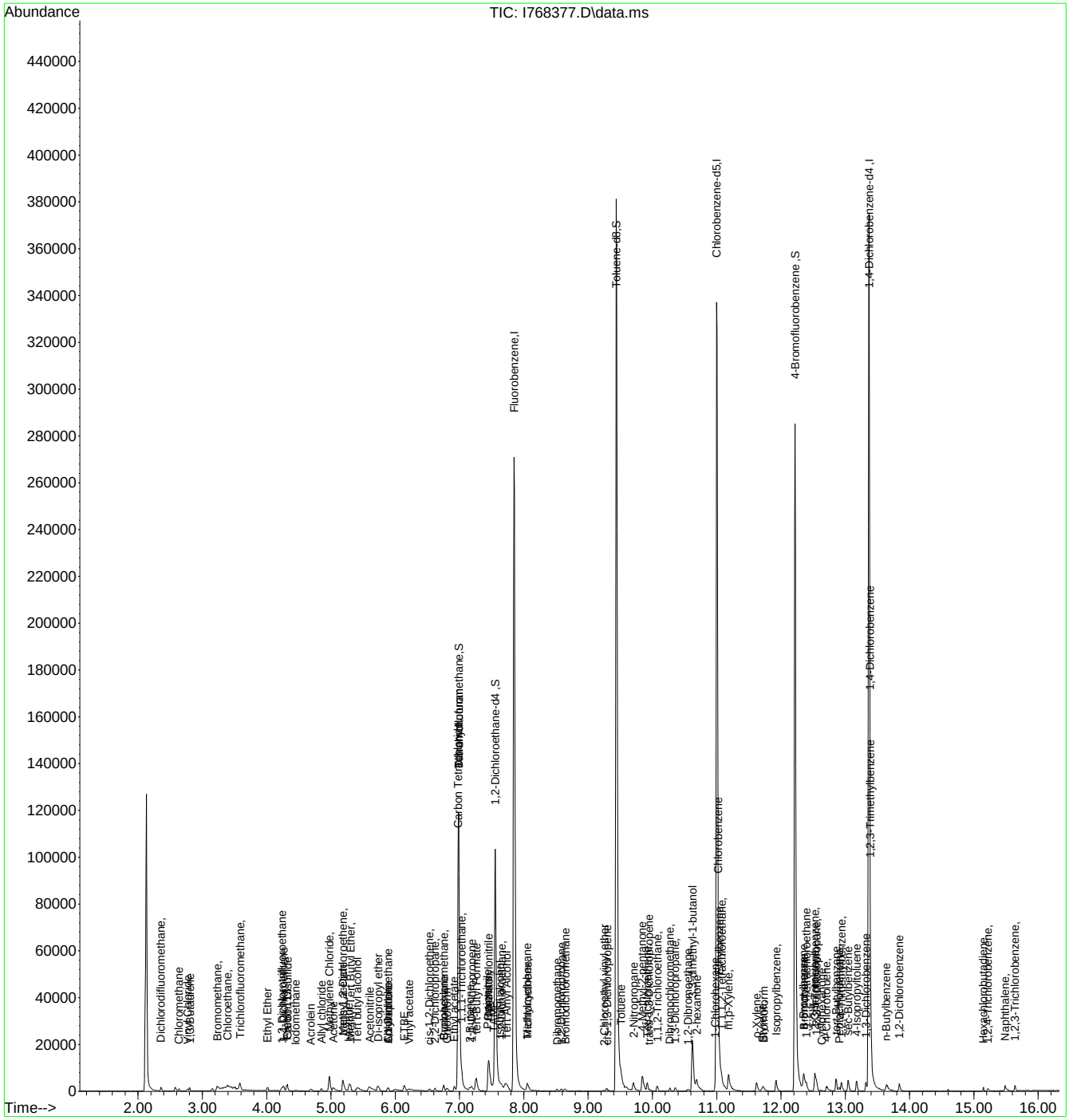
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Methacrylonitrile	7.451	41	6522	6.53	ug/L		95
47) Benzene	7.445	78	3393	0.87	ug/L	#	76
48) TAME	7.531	73	3108	0.89	ug/L		89
50) Isobutyl alcohol	7.628	42	755	6.86	ug/L	#	69
51) 1,2-Dichloroethane	7.652	62	1082	0.78	ug/L		79
52) Tert Amyl Alcohol	7.732	59	3904	8.21	ug/L		87
53) Trichloroethene	8.061	95	1083	0.98	ug/L		84
54) Methylcyclohexane	8.055	83	906	0.56	ug/L		81
55) Dibromomethane	8.518	93	563	0.72	ug/L	#	66
56) 1,2-Dichloropropane	8.585	63	654	0.67	ug/L	#	56
57) Bromodichloromethane	8.646	83	1256	0.78	ug/L	#	89
60) 2-Chloroethyl vinyl ether	9.250	63	378m	0.74	ug/L		
61) cis-1,3-Dichloropropene	9.299	75	1313	0.79	ug/L	#	65
64) Toluene	9.512	91	4315	0.92	ug/L		98
65) 2-Nitropropane	9.707	41	2150	3.28	ug/L		80
66) 4-Methyl-2-pentanone	9.841	43	6154	3.00	ug/L		93
67) trans-1,3-Dichloropropene	9.945	75	747	0.46	ug/L	#	43
68) Tetrachloroethene	9.920	166	983	0.79	ug/L		92
70) 1,1,2-Trichloroethane	10.079	83	642	0.60	ug/L		84
71) Dibromochloromethane	10.268	129	1044	0.77	ug/L		86
72) 1,3-Dichloropropane	10.353	76	1395	0.84	ug/L		91
73) 1,2-Dibromoethane	10.554	107	934	0.74	ug/L		82
74) 3,3-dimethyl-1-butanol	10.628	57	15151	30.85	ug/L		98
75) 2-hexanone	10.688	43	3522	2.04	ug/L		78
76) 1-Chlorohexane	10.975	91	1403	0.93	ug/L	#	78
77) Ethylbenzene	11.036	91	5478	1.08	ug/L		92
78) Chlorobenzene	11.024	112	3144	1.06	ug/L		89
79) 1,1,1,2-Tetrachloroethane	11.079	131	1081	0.94	ug/L	#	59
80) m,p-Xylene	11.182	91	7643	2.03	ug/L		95
81) o-Xylene	11.621	91	4096	0.98	ug/L		94
82) Styrene	11.713	104	2127	0.69	ug/L		86
83) Bromoform	11.731	173	623	0.60	ug/L	#	60
84) Isopropylbenzene	11.926	105	4824	0.99	ug/L		96
88) n-Propylbenzene	12.353	91	5558	1.04	ug/L		98
89) Bromobenzene	12.359	156	1315	1.10	ug/L		98
90) 1,1,2,2-Tetrachloroethane	12.395	83	1813	0.96	ug/L		88
91) 1,3,5-Trimethylbenzene	12.523	105	3954	1.04	ug/L		91
92) 2-Chlorotoluene	12.530	91	4001	1.12	ug/L		97
94) 1,2,3-Trichloropropane	12.554	110	576	1.02	ug/L		82
95) Cyclohexanone	12.633	55	268	1.92	ug/L	#	27
96) 4-Chlorotoluene	12.706	91	3654	1.17	ug/L		87
97) tert-Butylbenzene	12.859	91	2570	1.22	ug/L		96
98) 1,2,4-Trimethylbenzene	12.938	105	3533	0.96	ug/L		93
99) Pentachloroethane	12.908	167	381	0.57	ug/L	#	84
100) sec-Butylbenzene	13.042	105	4891	1.07	ug/L		93
101) 4-Isopropyltoluene	13.176	119	4091	1.09	ug/L		98
102) 1,3-Dichlorobenzene	13.322	146	2219	1.06	ug/L		93
103) 1,2,3-Trimethylbenzene	13.389	105	4260	1.10	ug/L		84
104) 1,4-Dichlorobenzene	13.383	146	2704	1.22	ug/L		78
105) n-Butylbenzene	13.633	92	1381	0.71	ug/L	#	51
107) 1,2-Dichlorobenzene	13.840	146	2040	1.00	ug/L		95
109) Hexachlorobutadiene	15.145	225	466	0.95	ug/L	#	63
110) 1,2,4-Trichlorobenzene	15.218	180	775	0.64	ug/L		91
111) Naphthalene	15.486	128	3852	0.87	ug/L		96
112) 1,2,3-Trichlorobenzene	15.639	180	905	0.79	ug/L		78

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\12-05-24\
Data File : I768377.D
Acq On : 5 Dec 2024 6:19 am
Operator : jeniferw
Sample : IC3431-1 Inst : VOA16-MSI
Misc : MS58055,VI3431,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 05 07:23:40 2024
Quant Method : C:\msdchem\1\methods\VI3431_12-05-2024.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Tue Nov 19 11:47:45 2024
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: VI3431-IC3431
Lab FileID: I768377.D
Injection Time: 12/05/24 06:19

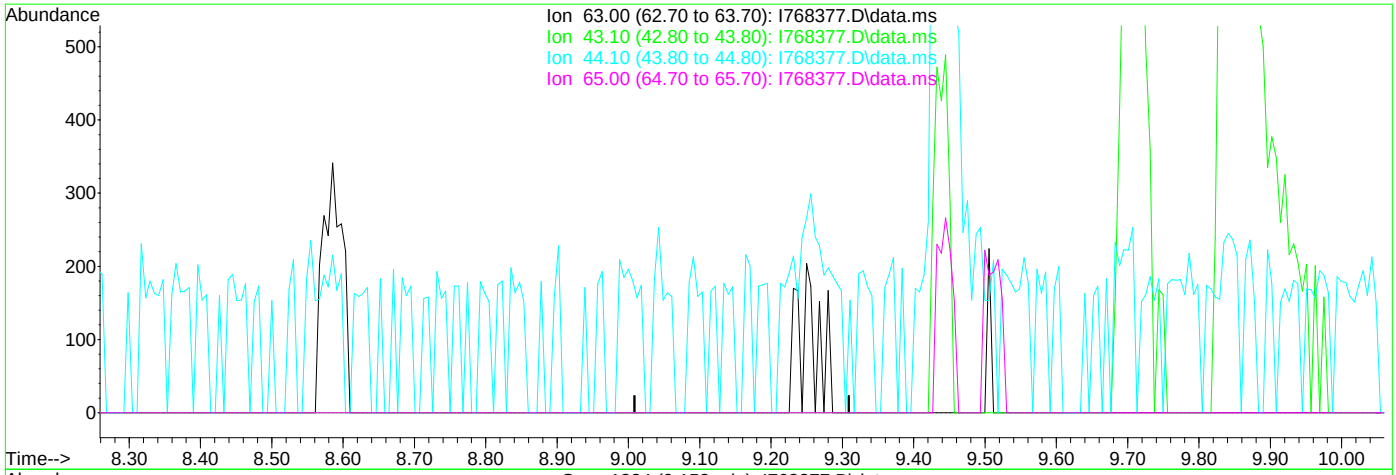
Method: SW846 8260D
Analyst approved: 12/05/24 11:19 Jenifer Willis
Supervisor approved: 12/05/24 12:26 Karen Watson

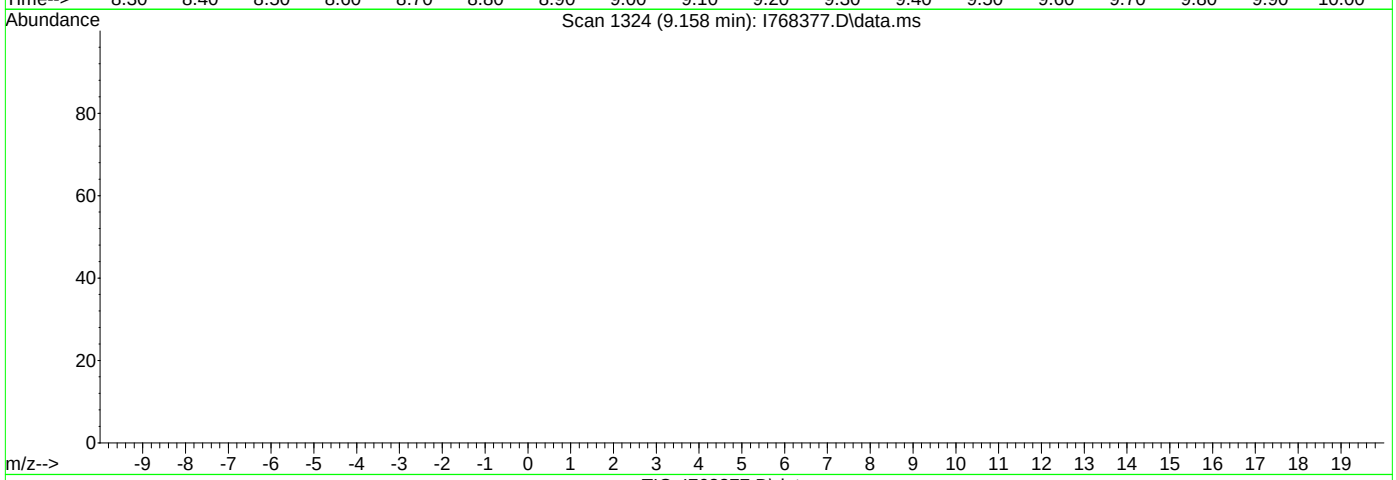
Parameter	CAS	Sig#	R.T. (min.)	Reason
2-Chloroethyl Vinyl Ether	110-75-8		9.25	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\12-05-24\
Data File : I768377.D
Acq On : 5 Dec 2024 6:19 am
Operator : jeniferw
Sample : IC3431-1 Inst : VOA16-MSI
Misc : MS58055,VI3431,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 05 07:23:08 2024
Quant Method : C:\msdchem\1\methods\VI3431_12-05-2024.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Tue Nov 19 11:47:45 2024
Response via : Initial Calibration





TIC: I768377.D\data.ms

(60) 2-Chloroethyl vinyl ether

9.159min (-9.159) 0.00ug/L

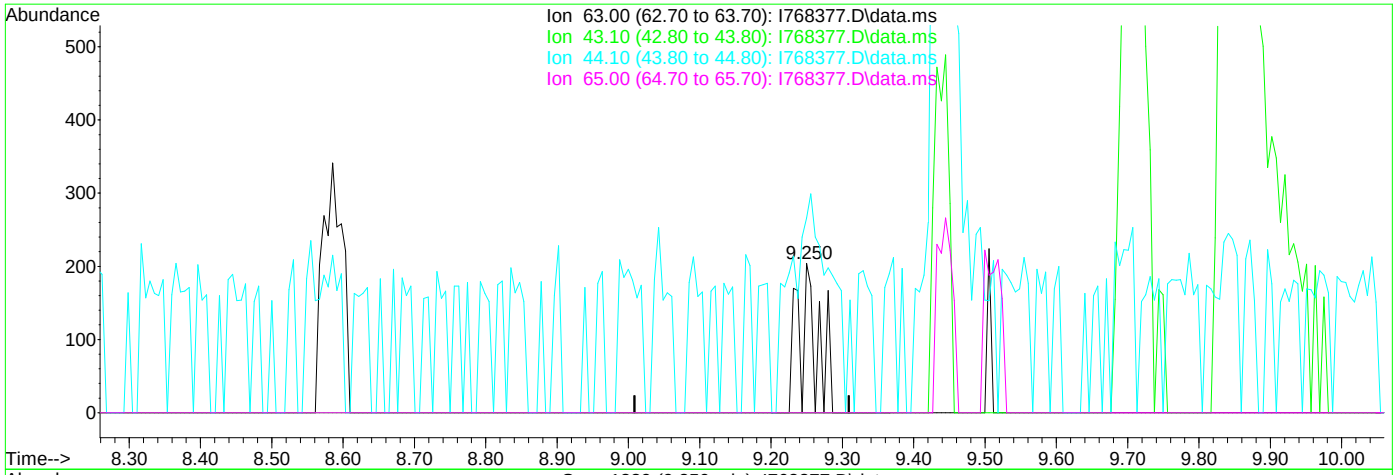
response 0

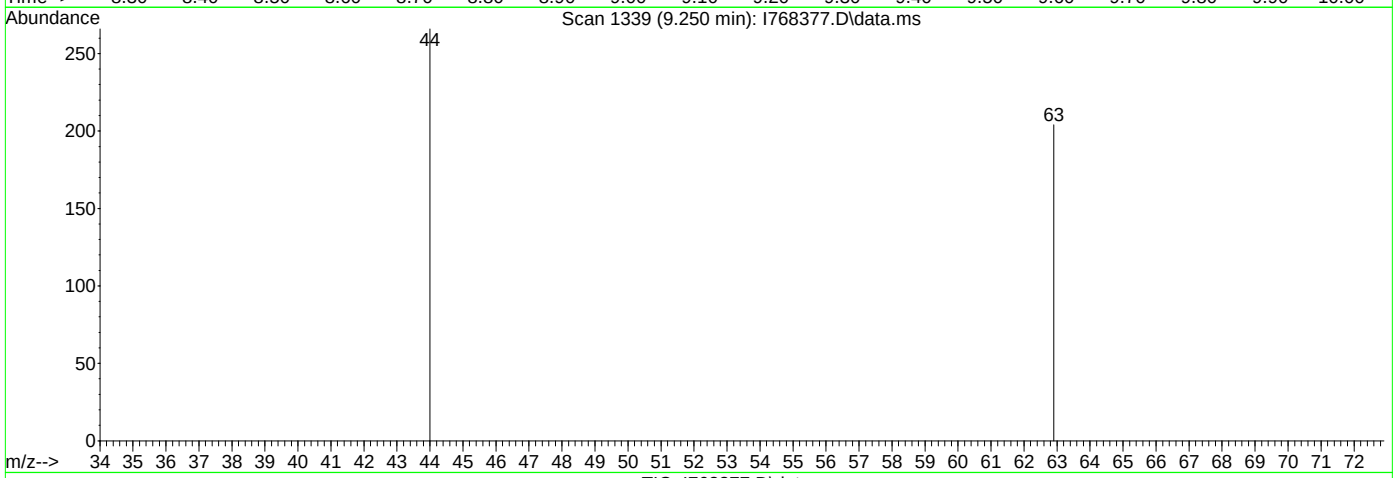
Ion	Exp%	Act%
63.00	100	0.00
43.10	58.80	0.00#
44.10	46.30	0.00#
65.00	32.00	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\12-05-24\
Data File : I768377.D
Acq On : 5 Dec 2024 6:19 am
Operator : jeniferw
Sample : IC3431-1 Inst : VOA16-MSI
Misc : MS58055,VI3431,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 05 07:23:08 2024
Quant Method : C:\msdchem\1\methods\VI3431_12-05-2024.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Tue Nov 19 11:47:45 2024
Response via : Initial Calibration





TIC: I768377.D\data.ms

(60) 2-Chloroethyl vinyl ether

9.250min (+0.091) 0.74ug/L m

response 378

Ion	Exp%	Act%
63.00	100	100
43.10	58.80	0.00#
44.10	46.30	130.39#
65.00	32.00	0.00#

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
12/05/24 12:26

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\12-05-24\
Data File : I768378.D
Acq On : 5 Dec 2024 6:43 am
Operator : jeniferw
Sample : IC3431-8 Inst : VOA16-MSI
Misc : MS58055,VI3431,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 05 10:48:59 2024
Quant Method : C:\msdchem\1\methods\VI3431_12-05-2024.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Tue Nov 19 11:47:45 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	7.854	96	274877	50.00	ug/L		0.00
62) Chlorobenzene-d5	11.006	117	225958	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	13.371	152	117374	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	6.988	113	81047	49.41	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	98.82%			
49) 1,2-Dichloroethane-d4	7.555	65	78643	46.19	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery =	92.38%			
63) Toluene-d8	9.445	98	275497	46.19	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery =	92.38%			
86) 4-Bromofluorobenzene	12.219	174	89309	47.18	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	94.36%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.361	85	2400	1.66	ug/L		93
3) Chloromethane	2.648	50	1809	1.48	ug/L		99
4) Vinyl Chloride	2.776	62	1894	1.59	ug/L		95
5) 1,3-Butadiene	2.800	39	1034	1.20	ug/L		89
6) Bromomethane	3.233	94	2313	3.81	ug/L		93
7) Chloroethane	3.391	64	1380	2.78	ug/L		94
8) Trichlorofluoromethane	3.574	101	5233	2.49	ug/L		93
9) Ethyl Ether	4.019	59	1680	1.65	ug/L		84
10) 1,2-Dichlorotrifluoroe...	4.239	67	2207	1.87	ug/L		87
11) 1,1-Dichloroethene	4.263	61	2596	1.74	ug/L		91
13) Freon 113	4.312	101	2116	2.08	ug/L		95
14) Carbon Disulfide	4.324	76	5534	1.71	ug/L		92
15) Iodomethane	4.458	142	447	0.45	ug/L	#	42
16) Acrolein	4.690	56	2204	6.30	ug/L		95
17) Allyl chloride	4.854	41	1569	1.23	ug/L		96
18) Methylene Chloride	4.976	49	4260	3.06	ug/L		84
19) Acetone	5.043	43	5896	7.70	ug/L		98
20) Methyl acetate	5.184	43	8054	5.63	ug/L		86
21) trans-1,2-Dichloroethene	5.190	61	2094	1.52	ug/L		93
22) Hexane	5.281	56	1111	1.36	ug/L	#	85
23) Methyl Tert Butyl Ether	5.300	73	6183	1.70	ug/L		90
24) Tert butyl alcohol	5.415	59	10066	16.85	ug/L		95
25) Acetonitrile	5.598	41	5867	18.87	ug/L		95
26) Di-isopropyl ether	5.738	45	4214	1.31	ug/L		91
27) Chloroprene	5.891	53	1713	1.36	ug/L		93
28) 1,1-Dichloroethane	5.885	63	2966	1.64	ug/L		89
29) Acrylonitrile	5.976	53	5232	6.88	ug/L		94
30) ETBE	6.147	59	5251	1.55	ug/L		94
31) Vinyl acetate	6.177	43	9908	3.77	ug/L		97
32) cis-1,2-Dichloroethene	6.531	96	1953	1.66	ug/L	#	78
33) 2,2-Dichloropropane	6.616	77	2965	1.79	ug/L		90
34) Bromochloromethane	6.750	128	882	1.55	ug/L		90
35) Cyclohexane	6.750	56	2355	1.40	ug/L		88
36) Chloroform	6.799	83	3859	1.75	ug/L		94
37) Ethyl acetate	6.909	43	12313	6.33	ug/L		93
38) Tetrahydrofuran	6.988	42	1394	1.63	ug/L		89
40) Carbon Tetrachloride	6.976	117	2882	1.87	ug/L		82
41) 1,1,1-Trichloroethane	7.037	97	3359	1.94	ug/L		99
42) 2-Butanone	7.135	43	12020m	10.26	ug/L		
43) 1,1-Dichloropropene	7.189	75	2163	1.77	ug/L		94
44) tert-Butyl Formate	7.263	59	7575	6.31	ug/L		82
45) Propionitrile	7.433	54	5204	14.71	ug/L	#	39

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\12-05-24\
Data File : I768378.D
Acq On : 5 Dec 2024 6:43 am
Operator : jeniferw
Sample : IC3431-8 Inst : VOA16-MSI
Misc : MS58055,VI3431,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 05 10:48:59 2024
Quant Method : C:\msdchem\1\methods\VI3431_12-05-2024.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Tue Nov 19 11:47:45 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Methacrylonitrile	7.452	41	14662	14.24	ug/L		93
47) Benzene	7.439	78	7448	1.84	ug/L		78
48) TAME	7.531	73	5970	1.66	ug/L		94
50) Isobutyl alcohol	7.622	42	2504	22.07	ug/L		98
51) 1,2-Dichloroethane	7.653	62	2476	1.73	ug/L		92
52) Tert Amyl Alcohol	7.714	59	7886	16.09	ug/L		93
53) Trichloroethene	8.061	95	2033	1.79	ug/L		87
54) Methylcyclohexane	8.055	83	2876	1.74	ug/L		88
55) Dibromomethane	8.512	93	1159	1.43	ug/L		95
56) 1,2-Dichloropropane	8.579	63	1427	1.41	ug/L		97
57) Bromodichloromethane	8.634	83	2458	1.48	ug/L		93
58) Methyl methacrylate	8.805	41	349	0.33	ug/L	#	15
59) 1,4-Dioxane	8.860	88	1183	28.05	ug/L		87
60) 2-Chloroethyl vinyl ether	9.207	63	1857	3.51	ug/L		85
61) cis-1,3-Dichloropropene	9.274	75	2288	1.33	ug/L		94
64) Toluene	9.506	91	8773	1.81	ug/L		99
65) 2-Nitropropane	9.707	41	3955	5.82	ug/L		91
66) 4-Methyl-2-pentanone	9.835	43	13873	6.54	ug/L		93
67) trans-1,3-Dichloropropene	9.933	75	2158	1.27	ug/L	#	65
68) Tetrachloroethene	9.915	166	2178	1.68	ug/L		94
69) Ethyl methacrylate	10.049	69	1407	0.78	ug/L		85
70) 1,1,2-Trichloroethane	10.073	83	1740	1.58	ug/L		93
71) Dibromochloromethane	10.268	129	2292	1.64	ug/L		87
72) 1,3-Dichloropropane	10.347	76	2871	1.66	ug/L		91
73) 1,2-Dibromoethane	10.542	107	2042	1.55	ug/L		99
74) 3,3-dimethyl-1-butanol	10.616	57	32639	64.14	ug/L		94
75) 2-hexanone	10.670	43	9460	5.29	ug/L		78
76) 1-Chlorohexane	10.981	91	2643	1.70	ug/L		75
77) Ethylbenzene	11.036	91	10115	1.93	ug/L		92
78) Chlorobenzene	11.024	112	5930	1.93	ug/L		92
79) 1,1,1,2-Tetrachloroethane	11.079	131	2174	1.82	ug/L		90
80) m,p-Xylene	11.176	91	14933	3.82	ug/L		99
81) o-Xylene	11.615	91	7379	1.71	ug/L		92
82) Styrene	11.689	104	4914	1.55	ug/L		90
83) Bromoform	11.719	173	1564	1.45	ug/L		90
84) Isopropylbenzene	11.920	105	9213	1.83	ug/L		98
87) cis-1,4-Dichloro-2-butene	12.280	53	483	0.75	ug/L	#	52
88) n-Propylbenzene	12.347	91	10700	1.89	ug/L		93
89) Bromobenzene	12.359	156	2392	1.88	ug/L		91
90) 1,1,2,2-Tetrachloroethane	12.396	83	3667	1.83	ug/L		94
91) 1,3,5-Trimethylbenzene	12.524	105	7512	1.86	ug/L		97
92) 2-Chlorotoluene	12.530	91	7622	2.01	ug/L		91
94) 1,2,3-Trichloropropane	12.554	110	1191	1.98	ug/L		83
95) Cyclohexanone	12.621	55	789	5.31	ug/L		86
96) 4-Chlorotoluene	12.701	91	6806	2.05	ug/L		83
97) tert-Butylbenzene	12.853	91	4859	2.16	ug/L		90
98) 1,2,4-Trimethylbenzene	12.932	105	7551	1.93	ug/L		97
99) Pentachloroethane	12.908	167	1030	1.43	ug/L	#	59
100) sec-Butylbenzene	13.042	105	9717	2.00	ug/L		98
101) 4-Isopropyltoluene	13.176	119	7884	1.97	ug/L		94
102) 1,3-Dichlorobenzene	13.316	146	4412	1.99	ug/L		95
103) 1,2,3-Trimethylbenzene	13.389	105	8312	2.02	ug/L		93
104) 1,4-Dichlorobenzene	13.383	146	5338	2.26	ug/L		89
105) n-Butylbenzene	13.633	92	3277	1.57	ug/L	#	84
106) Benzyl Chloride	13.639	126	712	0.95	ug/L		96
107) 1,2-Dichlorobenzene	13.841	146	4290	1.97	ug/L		95
108) 1,2-Dibromo-3-Chloropr...	14.590	75	706	1.33	ug/L		83
109) Hexachlorobutadiene	15.145	225	912	1.75	ug/L		79

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\12-05-24\
Data File : I768378.D
Acq On : 5 Dec 2024 6:43 am
Operator : jeniferw
Sample : IC3431-8 Inst : VOA16-MSI
Misc : MS58055,VI3431,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 05 10:48:59 2024
Quant Method : C:\msdchem\1\methods\VI3431_12-05-2024.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Tue Nov 19 11:47:45 2024
Response via : Initial Calibration

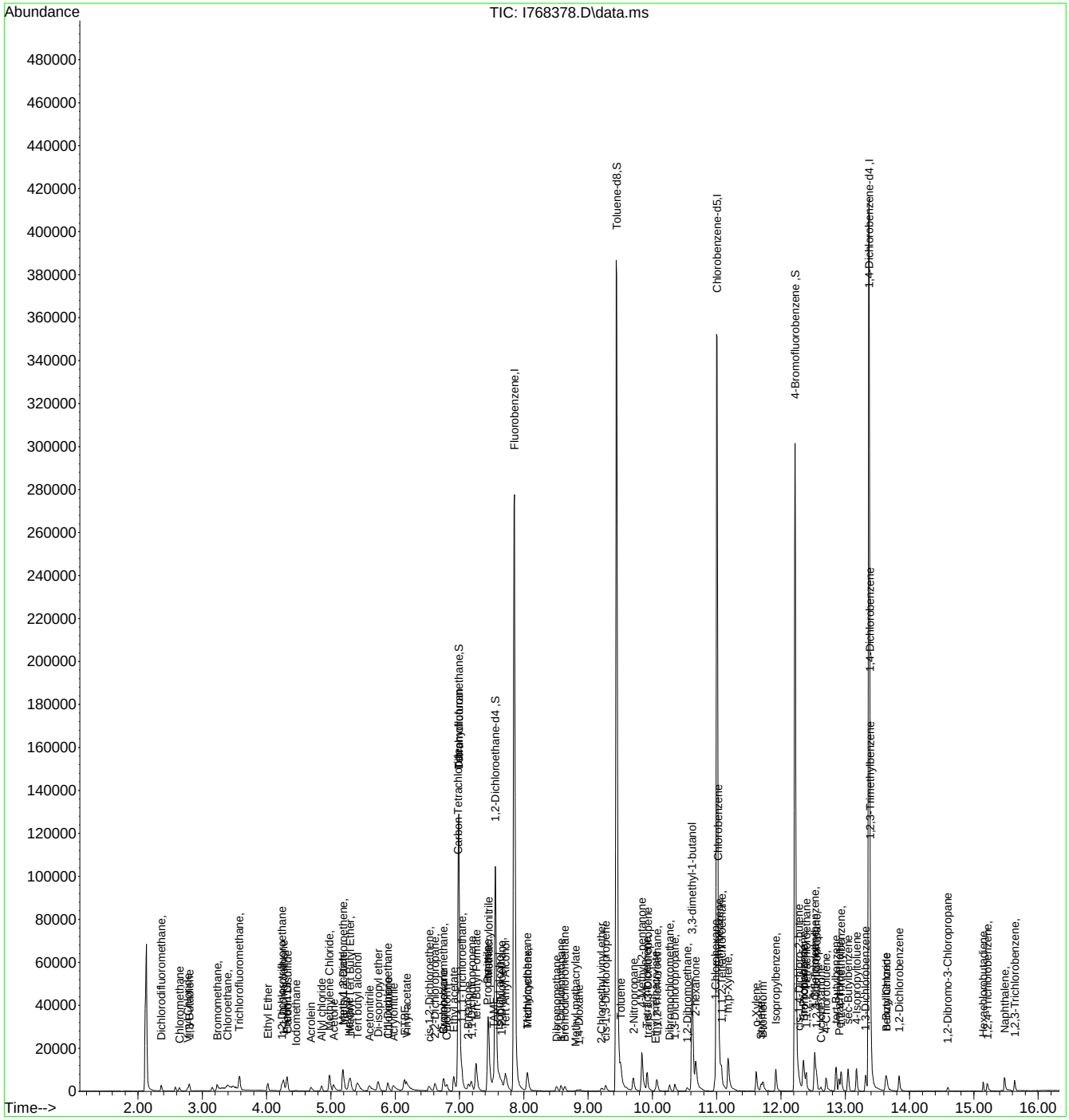
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110) 1,2,4-Trichlorobenzene	15.212	180	2107	1.63	ug/L	95
111) Naphthalene	15.480	128	8204	1.73	ug/L	97
112) 1,2,3-Trichlorobenzene	15.639	180	1870	1.53	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\12-05-24\
Data File : I768378.D
Acq On : 5 Dec 2024 6:43 am
Operator : jeniferw
Sample : IC3431-8 Inst : VOA16-MSI
Misc : MS58055,VI3431,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 05 10:48:59 2024
Quant Method : C:\msdchem\1\methods\VI3431_12-05-2024.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Tue Nov 19 11:47:45 2024
Response via : Initial Calibration



Manual Integration Approval Summary

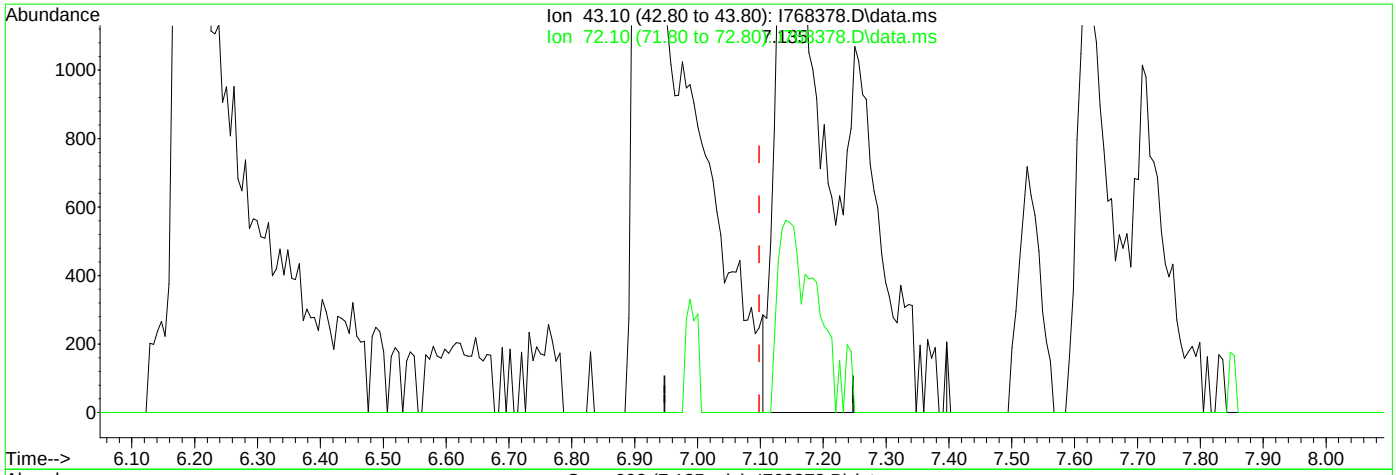
Sample Number: VI3431-IC3431
Lab FileID: I768378.D
Injection Time: 12/05/24 06:43
Method: SW846 8260D
Analyst approved: 12/05/24 11:19 Jenifer Willis
Supervisor approved: 12/05/24 12:26 Karen Watson

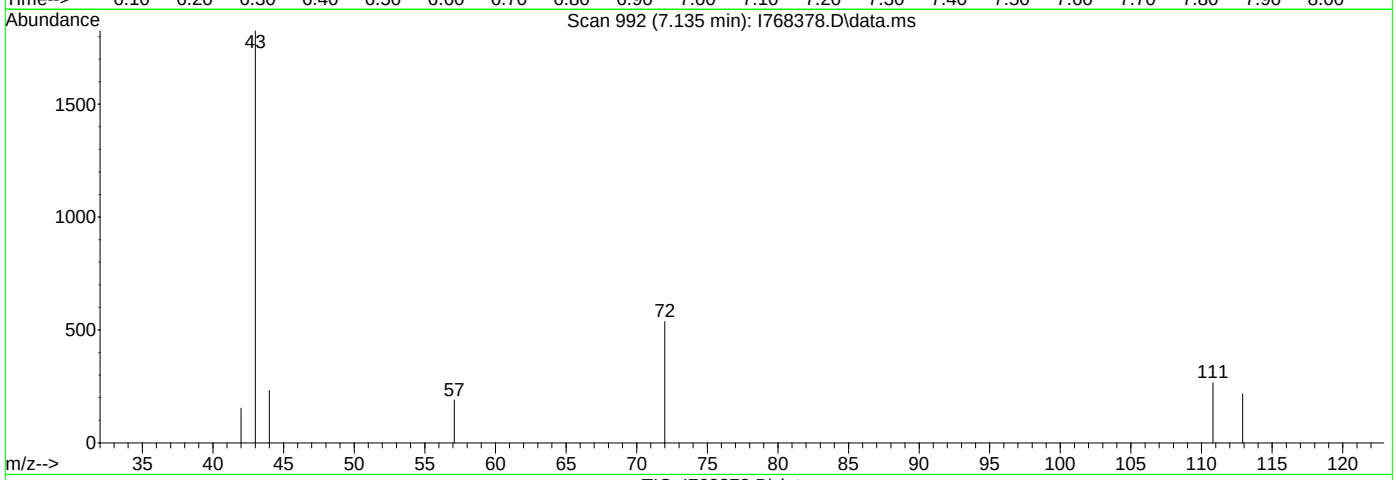
Parameter	CAS	Sig#	R.T. (min.)	Reason
2-Butanone (MEK)	78-93-3		7.13	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\12-05-24\
Data File : I768378.D
Acq On : 5 Dec 2024 6:43 am
Operator : jeniferw
Sample : IC3431-8 Inst : VOA16-MSI
Misc : MS58055,VI3431,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 05 07:23:53 2024
Quant Method : C:\msdchem\1\methods\VI3431_12-05-2024.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Tue Nov 19 11:47:45 2024
Response via : Initial Calibration





TIC: I768378.D\data.ms

(42) 2-Butanone

7.135min (+0.037) 10.26ug/L m

response 12020

Ion	Exp%	Act%
43.10	100	100
72.10	28.10	29.42
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\12-05-24\
Data File : I768379.D
Acq On : 5 Dec 2024 7:07 am
Operator : jeniferw
Sample : IC3431-2 Inst : VOA16-MSI
Misc : MS58055,VI3431,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 05 07:24:33 2024
Quant Method : C:\msdchem\1\methods\VI3431_12-05-2024.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Tue Nov 19 11:47:45 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	7.854	96	272377	50.00	ug/L		0.00
62) Chlorobenzene-d5	11.006	117	223368	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	13.371	152	112169	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	6.988	113	81077	49.88	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.76%				
49) 1,2-Dichloroethane-d4	7.555	65	78247	46.38	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 92.76%				
63) Toluene-d8	9.439	98	274857	46.62	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 93.24%				
86) 4-Bromofluorobenzene	12.219	174	87733	48.50	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.361	85	5645	3.94	ug/L		86
3) Chloromethane	2.642	50	4133	3.40	ug/L		99
4) Vinyl Chloride	2.770	62	4595	3.88	ug/L		99
5) 1,3-Butadiene	2.800	39	2683	3.14	ug/L		94
6) Bromomethane	3.233	94	4082	6.78	ug/L		89
7) Chloroethane	3.391	64	3082	6.34	ug/L		93
8) Trichlorofluoromethane	3.586	101	11721	5.63	ug/L		95
9) Ethyl Ether	4.013	59	4128	4.09	ug/L		89
10) 1,2-Dichlorotrifluoroe...	4.245	67	4850	4.14	ug/L		94
11) 1,1-Dichloroethene	4.269	61	6041	4.08	ug/L		88
12) Ethanol	4.245	45	1852	37.16	ug/L	#	36
13) Freon 113	4.318	101	4536	4.51	ug/L		97
14) Carbon Disulfide	4.324	76	12696	3.96	ug/L		99
15) Iodomethane	4.452	142	1857	1.89	ug/L		88
16) Acrolein	4.678	56	5758	16.60	ug/L		95
17) Allyl chloride	4.855	41	3914	3.08	ug/L		78
18) Methylene Chloride	4.983	49	7114	5.16	ug/L		88
19) Acetone	5.031	43	14547	19.16	ug/L		90
20) Methyl acetate	5.178	43	22530	15.88	ug/L		92
21) trans-1,2-Dichloroethene	5.184	61	5278	3.88	ug/L		90
22) Hexane	5.281	56	2714	3.34	ug/L		87
23) Methyl Tert Butyl Ether	5.293	73	14447	4.01	ug/L		97
24) Tert butyl alcohol	5.403	59	21559	36.41	ug/L		94
25) Acetonitrile	5.580	41	10969	35.80	ug/L		96
26) Di-isopropyl ether	5.726	45	10393	3.26	ug/L		91
27) Chloroprene	5.879	53	4242	3.39	ug/L		90
28) 1,1-Dichloroethane	5.885	63	7444	4.15	ug/L		98
29) Acrylonitrile	5.946	53	13193	17.51	ug/L		99
30) ETBE	6.141	59	13011	3.88	ug/L		90
31) Vinyl acetate	6.153	43	34856	13.38	ug/L		97
32) cis-1,2-Dichloroethene	6.519	96	5290	4.54	ug/L		85
33) 2,2-Dichloropropane	6.616	77	6874	4.18	ug/L		97
34) Bromochloromethane	6.744	128	2725	4.83	ug/L		90
35) Cyclohexane	6.757	56	5555	3.34	ug/L		87
36) Chloroform	6.799	83	9071	4.15	ug/L		98
37) Ethyl acetate	6.897	43	32679	16.95	ug/L		96
38) Tetrahydrofuran	6.982	42	3009	3.55	ug/L		91
40) Carbon Tetrachloride	6.976	117	7072	4.63	ug/L		95
41) 1,1,1-Trichloroethane	7.031	97	8080	4.71	ug/L		90
42) 2-Butanone	7.116	43	19029	16.38	ug/L		82
43) 1,1-Dichloropropene	7.177	75	5320	4.40	ug/L		92
44) tert-Butyl Formate	7.256	59	20330	17.09	ug/L		91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\12-05-24\
Data File : I768379.D
Acq On : 5 Dec 2024 7:07 am
Operator : jeniferw
Sample : IC3431-2 Inst : VOA16-MSI
Misc : MS58055,VI3431,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 05 07:24:33 2024
Quant Method : C:\msdchem\1\methods\VI3431_12-05-2024.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Tue Nov 19 11:47:45 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45)	Propionitrile	7.421	54	12931	36.88	ug/L		77
46)	Methacrylonitrile	7.439	41	34586	33.90	ug/L		93
47)	Benzene	7.433	78	18713	4.68	ug/L		79
48)	TAME	7.525	73	14780	4.16	ug/L		93
50)	Isobutyl alcohol	7.610	42	6463	57.49	ug/L		95
51)	1,2-Dichloroethane	7.647	62	6179	4.36	ug/L		94
52)	Tert Amyl Alcohol	7.714	59	16723	34.44	ug/L		93
53)	Trichloroethene	8.055	95	5440	4.83	ug/L		97
54)	Methylcyclohexane	8.049	83	6376	3.89	ug/L		98
55)	Dibromomethane	8.500	93	3541	4.41	ug/L		96
56)	1,2-Dichloropropane	8.567	63	3959	3.96	ug/L		93
57)	Bromodichloromethane	8.634	83	6191	3.75	ug/L		95
58)	Methyl methacrylate	8.774	41	2509	2.40	ug/L		77
59)	1,4-Dioxane	8.835	88	1708	40.87	ug/L		90
60)	2-Chloroethyl vinyl ether	9.177	63	7600	14.55	ug/L		95
61)	cis-1,3-Dichloropropene	9.262	75	6765	3.98	ug/L		90
64)	Toluene	9.506	91	20543	4.30	ug/L		98
65)	2-Nitropropane	9.695	41	8831	13.14	ug/L		91
66)	4-Methyl-2-pentanone	9.829	43	36297	17.30	ug/L		95
67)	trans-1,3-Dichloropropene	9.921	75	6070	3.62	ug/L		92
68)	Tetrachloroethene	9.915	166	5485	4.28	ug/L		94
69)	Ethyl methacrylate	10.030	69	5483	3.07	ug/L		96
70)	1,1,2-Trichloroethane	10.061	83	4196	3.85	ug/L		92
71)	Dibromochloromethane	10.262	129	5523	4.00	ug/L		95
72)	1,3-Dichloropropane	10.347	76	7464	4.36	ug/L		91
73)	1,2-Dibromoethane	10.530	107	5493	4.23	ug/L		97
74)	3,3-dimethyl-1-butanol	10.616	57	97007	192.83	ug/L		97
75)	2-hexanone	10.664	43	28817	16.30	ug/L		82
76)	1-Chlorohexane	10.969	91	5597	3.64	ug/L		88
77)	Ethylbenzene	11.030	91	23345	4.50	ug/L		96
78)	Chlorobenzene	11.024	112	14544	4.78	ug/L		89
79)	1,1,1,2-Tetrachloroethane	11.073	131	5045	4.26	ug/L		91
80)	m,p-Xylene	11.170	91	34586	8.96	ug/L		97
81)	o-Xylene	11.609	91	18409	4.32	ug/L		98
82)	Styrene	11.670	104	12388	3.94	ug/L		97
83)	Bromoform	11.719	173	3741	3.51	ug/L		93
84)	Isopropylbenzene	11.914	105	21913	4.40	ug/L		98
87)	cis-1,4-Dichloro-2-butene	12.268	53	1331	2.16	ug/L	#	60
88)	n-Propylbenzene	12.341	91	25315	4.67	ug/L		96
89)	Bromobenzene	12.353	156	5892	4.85	ug/L		98
90)	1,1,2,2-Tetrachloroethane	12.390	83	8025	4.18	ug/L		92
91)	1,3,5-Trimethylbenzene	12.518	105	18116	4.69	ug/L		97
92)	2-Chlorotoluene	12.524	91	18225	5.02	ug/L		98
93)	trans-1,4-Dichloro-2-B...	12.579	53	1379	2.43	ug/L	#	79
94)	1,2,3-Trichloropropane	12.548	110	2961	5.15	ug/L		89
95)	Cyclohexanone	12.615	55	2358	16.62	ug/L		92
96)	4-Chlorotoluene	12.694	91	15697	4.95	ug/L		99
97)	tert-Butylbenzene	12.853	91	9852	4.58	ug/L		96
98)	1,2,4-Trimethylbenzene	12.926	105	17529	4.69	ug/L		97
99)	Pentachloroethane	12.902	167	2803	4.09	ug/L	#	87
100)	sec-Butylbenzene	13.042	105	22125	4.78	ug/L		98
101)	4-Isopropyltoluene	13.170	119	18180	4.76	ug/L		96
102)	1,3-Dichlorobenzene	13.310	146	10155	4.78	ug/L		92
103)	1,2,3-Trimethylbenzene	13.389	105	18740	4.77	ug/L		95
104)	1,4-Dichlorobenzene	13.389	146	11496	5.09	ug/L		96
105)	n-Butylbenzene	13.621	92	8625	4.34	ug/L	#	63
106)	Benzyl Chloride	13.633	126	2071	2.88	ug/L	#	88
107)	1,2-Dichlorobenzene	13.834	146	9823	4.72	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\12-05-24\
Data File : I768379.D
Acq On : 5 Dec 2024 7:07 am
Operator : jeniferw
Sample : IC3431-2 Inst : VOA16-MSI
Misc : MS58055,VI3431,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 05 07:24:33 2024
Quant Method : C:\msdchem\1\methods\VI3431_12-05-2024.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Tue Nov 19 11:47:45 2024
Response via : Initial Calibration

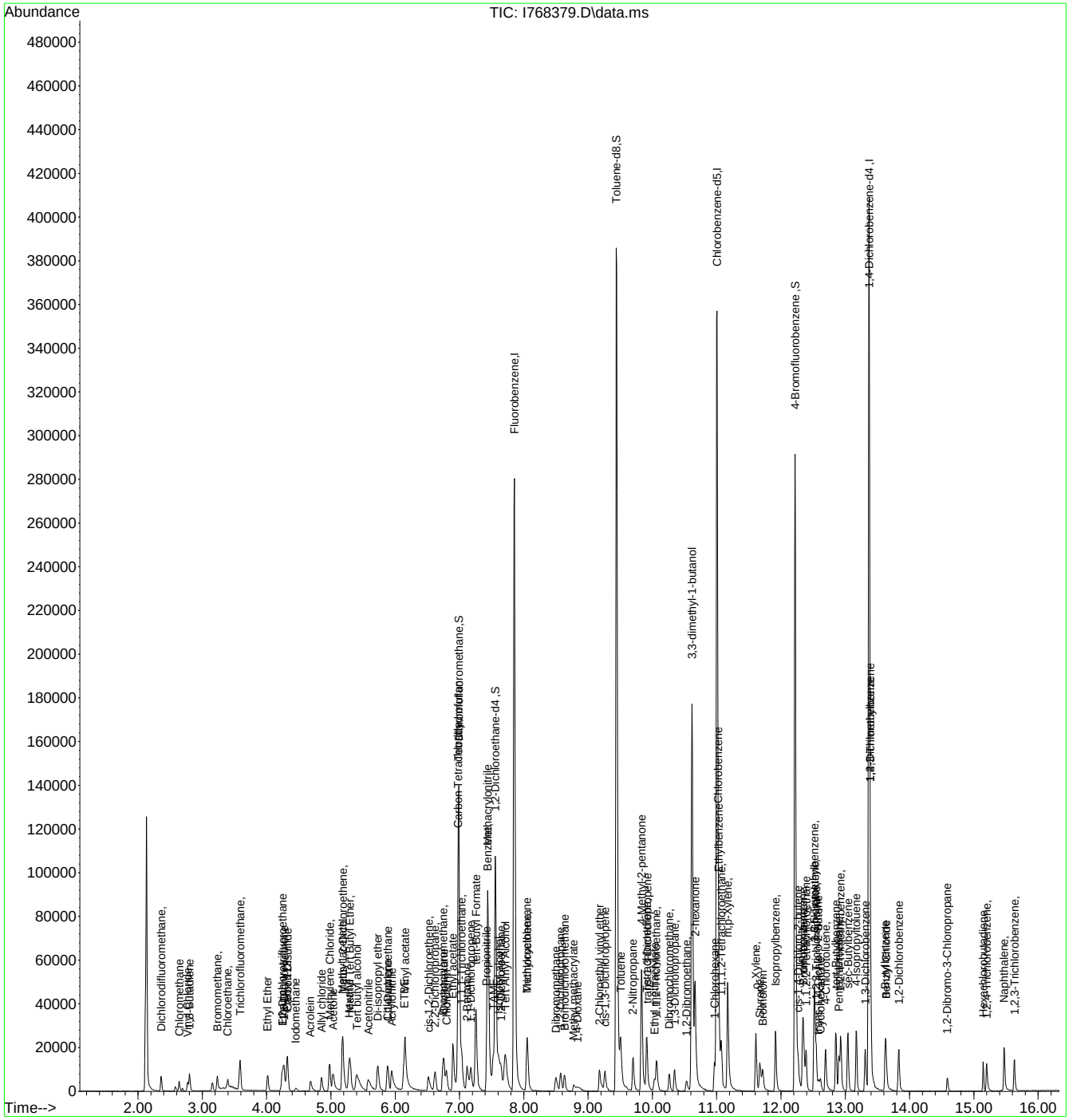
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) 1,2-Dibromo-3-Chloropr...	14.584	75	1740	3.44	ug/L	86
109) Hexachlorobutadiene	15.145	225	2027	4.06	ug/L	86
110) 1,2,4-Trichlorobenzene	15.200	180	5084	4.12	ug/L	92
111) Naphthalene	15.468	128	19817	4.38	ug/L	99
112) 1,2,3-Trichlorobenzene	15.633	180	5068	4.35	ug/L	91

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\12-05-24\
Data File : I768379.D
Acq On : 5 Dec 2024 7:07 am
Operator : jeniferw
Sample : IC3431-2 Inst : VOA16-MSI
Misc : MS58055,VI3431,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 05 07:24:33 2024
Quant Method : C:\msdchem\1\methods\VI3431_12-05-2024.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Tue Nov 19 11:47:45 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\12-05-24\
Data File : I768380.D
Acq On : 5 Dec 2024 7:31 am
Operator : jeniferw
Sample : IC3431-3 Inst : VOA16-MSI
Misc : MS58055,VI3431,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 05 08:11:05 2024
Quant Method : C:\msdchem\1\methods\VI3431_12-05-2024.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Tue Nov 19 11:47:45 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.848	96	284684	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.006	117	225479	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.371	152	122097	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	6.982	113	84101	49.51	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	99.02%		
49) 1,2-Dichloroethane-d4	7.555	65	80071	45.41	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery =	90.82%		
63) Toluene-d8	9.439	98	283181	47.58	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery =	95.16%		
86) 4-Bromofluorobenzene	12.219	174	94401	47.94	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	95.88%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.361	85	12027	8.04	ug/L	100
3) Chloromethane	2.635	50	8686	6.84	ug/L	97
4) Vinyl Chloride	2.769	62	9529	7.71	ug/L	99
5) 1,3-Butadiene	2.794	39	5076	5.68	ug/L	87
6) Bromomethane	3.227	94	6834	10.86	ug/L	97
7) Chloroethane	3.385	64	5724	11.45	ug/L	91
8) Trichlorofluoromethane	3.574	101	25386	11.66	ug/L	98
9) Ethyl Ether	4.013	59	7878	7.47	ug/L	88
10) 1,2-Dichlorotrifluoroe...	4.232	67	9562	7.82	ug/L	90
11) 1,1-Dichloroethene	4.263	61	11437	7.40	ug/L	89
12) Ethanol	4.220	45	4908	95.12	ug/L	95
13) Freon 113	4.312	101	8273	7.86	ug/L	99
14) Carbon Disulfide	4.318	76	24046	7.17	ug/L	96
15) Iodomethane	4.452	142	4170	4.09	ug/L	97
16) Acrolein	4.677	56	11302	31.17	ug/L	94
17) Allyl chloride	4.848	41	7780	5.87	ug/L	90
18) Methylene Chloride	4.970	49	11592	8.05	ug/L	88
19) Acetone	5.025	43	28339	35.72	ug/L	93
20) Methyl acetate	5.165	43	47884	32.30	ug/L	93
21) trans-1,2-Dichloroethene	5.177	61	10893	7.65	ug/L	87
22) Hexane	5.269	56	5022	5.92	ug/L	97
23) Methyl Tert Butyl Ether	5.293	73	29461	7.83	ug/L	88
24) Tert butyl alcohol	5.403	59	45186	73.02	ug/L	94
25) Acetonitrile	5.568	41	20188	63.63	ug/L	98
26) Di-isopropyl ether	5.726	45	20173	6.05	ug/L	91
27) Chloroprene	5.866	53	8854	6.76	ug/L	92
28) 1,1-Dichloroethane	5.885	63	14609	7.79	ug/L	97
29) Acrylonitrile	5.927	53	26887	34.14	ug/L	97
30) ETBE	6.135	59	25572	7.30	ug/L	94
31) Vinyl acetate	6.141	43	76205	27.99	ug/L	93
32) cis-1,2-Dichloroethene	6.506	96	10775	8.85	ug/L	88
33) 2,2-Dichloropropane	6.616	77	13342	7.77	ug/L	98
34) Bromochloromethane	6.732	128	5539	9.39	ug/L #	84
35) Cyclohexane	6.756	56	9925	5.72	ug/L	91
36) Chloroform	6.787	83	17880	7.83	ug/L	98
37) Ethyl acetate	6.890	43	66621	33.07	ug/L	93
38) Tetrahydrofuran	6.976	42	6225	7.04	ug/L	91
40) Carbon Tetrachloride	6.970	117	13338	8.35	ug/L	97
41) 1,1,1-Trichloroethane	7.031	97	15426	8.60	ug/L	91
42) 2-Butanone	7.104	43	40873	33.62	ug/L	86
43) 1,1-Dichloropropene	7.171	75	10354	8.20	ug/L	90
44) tert-Butyl Formate	7.250	59	38859	31.26	ug/L	92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\12-05-24\
Data File : I768380.D
Acq On : 5 Dec 2024 7:31 am
Operator : jeniferw
Sample : IC3431-3 Inst : VOA16-MSI
Misc : MS58055,VI3431,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 05 08:11:05 2024
Quant Method : C:\msdchem\1\methods\VI3431_12-05-2024.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Tue Nov 19 11:47:45 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45)	Propionitrile	7.415	54	27739	75.70	ug/L		87
46)	Methacrylonitrile	7.439	41	71187	66.76	ug/L		95
47)	Benzene	7.433	78	35917	8.59	ug/L		95
48)	TAME	7.524	73	29278	7.88	ug/L		94
50)	Isobutyl alcohol	7.604	42	13393	113.98	ug/L		93
51)	1,2-Dichloroethane	7.640	62	11931	8.06	ug/L		96
52)	Tert Amyl Alcohol	7.707	59	36456	71.84	ug/L		87
53)	Trichloroethene	8.049	95	10491	8.91	ug/L		94
54)	Methylcyclohexane	8.049	83	12034	7.03	ug/L		93
55)	Dibromomethane	8.494	93	7517	8.96	ug/L		93
56)	1,2-Dichloropropane	8.567	63	8108	7.76	ug/L		92
57)	Bromodichloromethane	8.628	83	12972	7.52	ug/L		98
58)	Methyl methacrylate	8.756	41	6458	5.90	ug/L		80
59)	1,4-Dioxane	8.829	88	7608	174.17	ug/L		88
60)	2-Chloroethyl vinyl ether	9.171	63	17383	32.04	ug/L		88
61)	cis-1,3-Dichloropropene	9.256	75	14377	8.09	ug/L		85
64)	Toluene	9.500	91	40301	8.35	ug/L		98
65)	2-Nitropropane	9.695	41	19433	28.65	ug/L		91
66)	4-Methyl-2-pentanone	9.829	43	69220	32.68	ug/L		95
67)	trans-1,3-Dichloropropene	9.902	75	13216	7.80	ug/L		92
68)	Tetrachloroethene	9.908	166	11248	8.69	ug/L		94
69)	Ethyl methacrylate	10.018	69	12976	7.19	ug/L		90
70)	1,1,2-Trichloroethane	10.061	83	8304	7.55	ug/L		91
71)	Dibromochloromethane	10.262	129	11804	8.46	ug/L		95
72)	1,3-Dichloropropane	10.341	76	14854	8.60	ug/L		92
73)	1,2-Dibromoethane	10.524	107	11522	8.78	ug/L		94
74)	3,3-dimethyl-1-butanol	10.615	57	177414	349.37	ug/L		94
75)	2-hexanone	10.658	43	57747	32.35	ug/L		88
76)	1-Chlorohexane	10.963	91	11677	7.51	ug/L		84
77)	Ethylbenzene	11.024	91	45206	8.63	ug/L		95
78)	Chlorobenzene	11.024	112	28513	9.29	ug/L		92
79)	1,1,1,2-Tetrachloroethane	11.073	131	10227	8.56	ug/L		94
80)	m,p-Xylene	11.164	91	67463	17.31	ug/L		97
81)	o-Xylene	11.603	91	35657	8.29	ug/L		98
82)	Styrene	11.664	104	26487	8.35	ug/L		93
83)	Bromoform	11.713	173	8083	7.52	ug/L		97
84)	Isopropylbenzene	11.914	105	44301	8.80	ug/L		98
87)	cis-1,4-Dichloro-2-butene	12.261	53	3481	5.19	ug/L	#	79
88)	n-Propylbenzene	12.335	91	51318	8.71	ug/L		99
89)	Bromobenzene	12.353	156	12052	9.12	ug/L		91
90)	1,1,2,2-Tetrachloroethane	12.389	83	16561	7.92	ug/L		94
91)	1,3,5-Trimethylbenzene	12.517	105	37723	8.96	ug/L		98
92)	2-Chlorotoluene	12.517	91	35854	9.07	ug/L		98
93)	trans-1,4-Dichloro-2-B...	12.572	53	3419	5.54	ug/L		89
94)	1,2,3-Trichloropropane	12.548	110	5920	9.46	ug/L		83
95)	Cyclohexanone	12.609	55	4927	31.90	ug/L		90
96)	4-Chlorotoluene	12.688	91	32065	9.29	ug/L		99
97)	tert-Butylbenzene	12.853	91	19991	8.54	ug/L		96
98)	1,2,4-Trimethylbenzene	12.926	105	36028	8.86	ug/L		99
99)	Pentachloroethane	12.901	167	6271	8.40	ug/L		89
100)	sec-Butylbenzene	13.036	105	45257	8.97	ug/L		97
101)	4-Isopropyltoluene	13.170	119	37572	9.05	ug/L		96
102)	1,3-Dichlorobenzene	13.304	146	21035	9.10	ug/L		97
103)	1,2,3-Trimethylbenzene	13.383	105	39062	9.13	ug/L		97
104)	1,4-Dichlorobenzene	13.383	146	23704	9.65	ug/L		97
105)	n-Butylbenzene	13.621	92	18315	8.46	ug/L	#	80
106)	Benzyl Chloride	13.627	126	5297	6.78	ug/L		94
107)	1,2-Dichlorobenzene	13.828	146	20974	9.26	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\12-05-24\
Data File : I768380.D
Acq On : 5 Dec 2024 7:31 am
Operator : jeniferw
Sample : IC3431-3 Inst : VOA16-MSI
Misc : MS58055,VI3431,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 05 08:11:05 2024
Quant Method : C:\msdchem\1\methods\VI3431_12-05-2024.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Tue Nov 19 11:47:45 2024
Response via : Initial Calibration

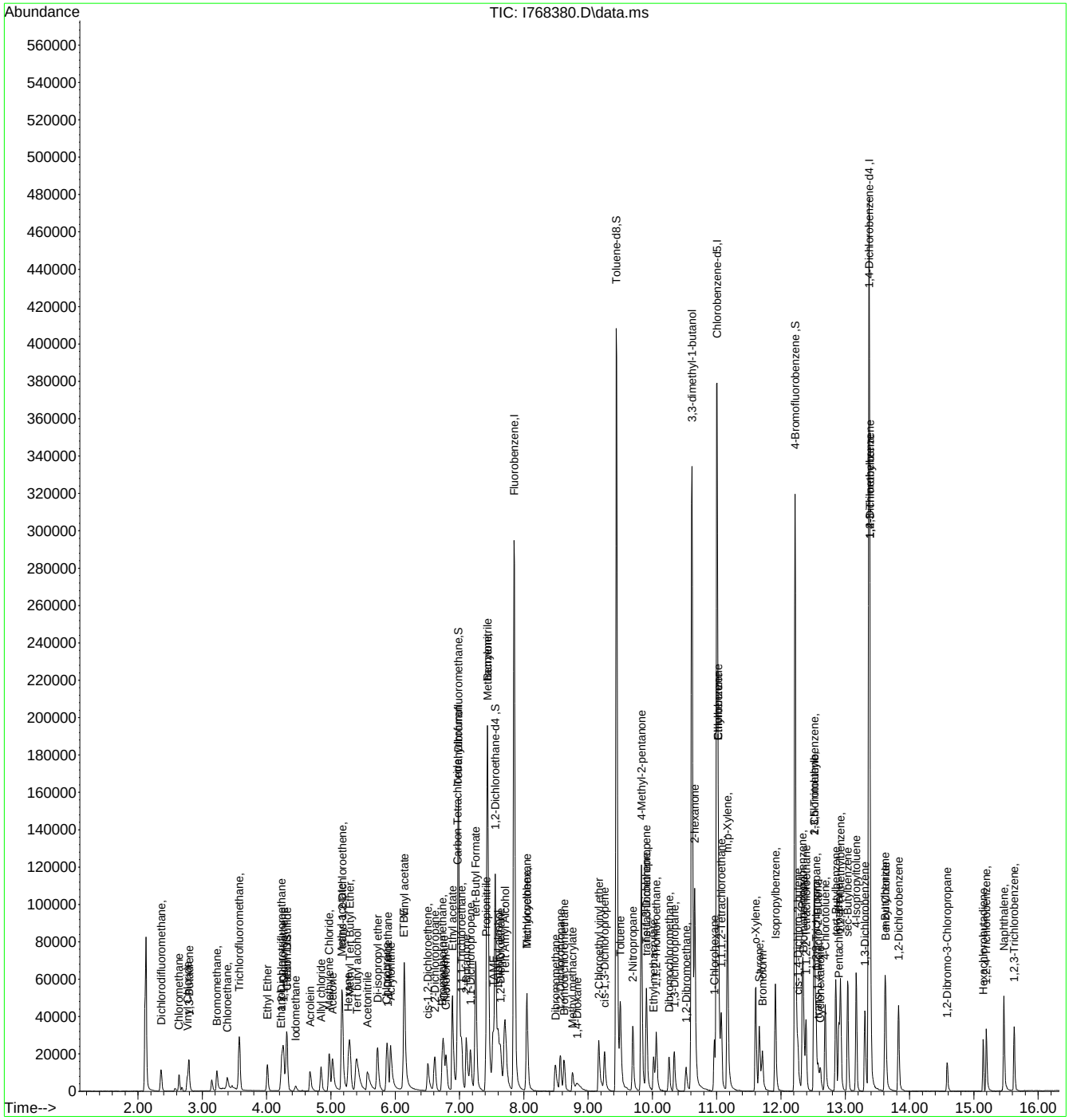
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) 1,2-Dibromo-3-Chloropr...	14.584	75	3979	7.22	ug/L	95
109) Hexachlorobutadiene	15.145	225	4239	7.81	ug/L	96
110) 1,2,4-Trichlorobenzene	15.194	180	11047	8.23	ug/L	92
111) Naphthalene	15.468	128	41968	8.53	ug/L	100
112) 1,2,3-Trichlorobenzene	15.627	180	10527	8.30	ug/L	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\12-05-24\
Data File : I768380.D
Acq On : 5 Dec 2024 7:31 am
Operator : jeniferw
Sample : IC3431-3 Inst : VOA16-MSI
Misc : MS58055,VI3431,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 05 08:11:05 2024
Quant Method : C:\msdchem\1\methods\VI3431_12-05-2024.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Tue Nov 19 11:47:45 2024
Response via : Initial Calibration



VI3431_12-05-2024.m Thu Dec 05 11:08:55 2024 Page: 4

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\12-05-24\
Data File : I768381.D
Acq On : 5 Dec 2024 7:55 am
Operator : jeniferw
Sample : IC3431-4 Inst : VOA16-MSI
Misc : MS58055,VI3431,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 05 08:39:48 2024
Quant Method : C:\msdchem\1\methods\VI3431_12-05-2024.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Tue Nov 19 11:47:45 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.854	96	281970	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.000	117	222916	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.371	152	117016	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	6.982	113	86481	51.40	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.80%			
49) 1,2-Dichloroethane-d4	7.555	65	81119	46.44	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 92.88%			
63) Toluene-d8	9.445	98	280703	47.71	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 95.42%			
86) 4-Bromofluorobenzene	12.219	174	93593	49.60	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.20%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.355	85	31515	21.27	ug/L	98
3) Chloromethane	2.635	50	21724	17.28	ug/L	98
4) Vinyl Chloride	2.769	62	24136	19.71	ug/L	99
5) 1,3-Butadiene	2.794	39	14012	15.83	ug/L	85
6) Bromomethane	3.227	94	15839	25.41	ug/L	96
7) Chloroethane	3.391	64	14096	30.20	ug/L	92
8) Trichlorofluoromethane	3.580	101	63941	29.64	ug/L	97
9) Ethyl Ether	4.013	59	19875	19.03	ug/L	91
10) 1,2-Dichlorotrifluoroe...	4.239	67	26150	21.58	ug/L	91
11) 1,1-Dichloroethene	4.263	61	31356	20.48	ug/L	93
12) Ethanol	4.251	45	13601	274.21	ug/L	89
13) Freon 113	4.312	101	25760	24.71	ug/L	98
14) Carbon Disulfide	4.324	76	65880	19.83	ug/L	94
15) Iodomethane	4.452	142	18253	18.86	ug/L	95
16) Acrolein	4.678	56	30362	84.55	ug/L	100
17) Allyl chloride	4.848	41	21016	16.00	ug/L	88
18) Methylene Chloride	4.976	49	25609	17.95	ug/L	84
19) Acetone	5.025	43	69919	88.98	ug/L	91
20) Methyl acetate	5.165	43	127319	86.70	ug/L	91
21) trans-1,2-Dichloroethene	5.178	61	29512	20.94	ug/L	90
22) Hexane	5.275	56	15330	18.25	ug/L	93
23) Methyl Tert Butyl Ether	5.293	73	76029	20.39	ug/L	93
24) Tert butyl alcohol	5.397	59	112109	182.92	ug/L	97
25) Acetonitrile	5.562	41	46157	151.31	ug/L	97
26) Di-isopropyl ether	5.720	45	53250	16.13	ug/L	89
27) Chloroprene	5.860	53	24452	18.86	ug/L	94
28) 1,1-Dichloroethane	5.879	63	38283	20.60	ug/L	95
29) Acrylonitrile	5.921	53	76052	97.51	ug/L	99
30) ETBE	6.135	59	66949	19.29	ug/L	91
31) Vinyl acetate	6.135	43	219616	81.44	ug/L	93
32) cis-1,2-Dichloroethene	6.507	96	28301	23.47	ug/L	83
33) 2,2-Dichloropropane	6.616	77	36659	21.55	ug/L	98
34) Bromochloromethane	6.732	128	16068	27.50	ug/L #	79
35) Cyclohexane	6.750	56	31116	18.10	ug/L	87
36) Chloroform	6.787	83	47846	21.15	ug/L	96
37) Ethyl acetate	6.885	43	178625	89.51	ug/L	95
38) Tetrahydrofuran	6.976	42	15702	17.92	ug/L	92
40) Carbon Tetrachloride	6.970	117	38473	24.31	ug/L	98
41) 1,1,1-Trichloroethane	7.031	97	41795	23.54	ug/L	96
42) 2-Butanone	7.098	43	105305	87.05	ug/L	85
43) 1,1-Dichloropropene	7.165	75	28798	23.03	ug/L	89
44) tert-Butyl Formate	7.250	59	104496	84.86	ug/L	93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\12-05-24\
Data File : I768381.D
Acq On : 5 Dec 2024 7:55 am
Operator : jeniferw
Sample : IC3431-4 Inst : VOA16-MSI
Misc : MS58055,VI3431,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 05 08:39:48 2024
Quant Method : C:\msdchem\1\methods\VI3431_12-05-2024.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Tue Nov 19 11:47:45 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45)	Propionitrile	7.409	54	71635	197.36	ug/L		97
46)	Methacrylonitrile	7.433	41	169315	160.32	ug/L		96
47)	Benzene	7.427	78	95779	23.13	ug/L		86
48)	TAME	7.525	73	73850	20.07	ug/L		92
50)	Isobutyl alcohol	7.598	42	34635	297.58	ug/L		96
51)	1,2-Dichloroethane	7.634	62	32069	21.87	ug/L		96
52)	Tert Amyl Alcohol	7.708	59	93142	185.31	ug/L		93
53)	Trichloroethene	8.043	95	28451	24.39	ug/L		98
54)	Methylcyclohexane	8.049	83	37960	22.38	ug/L		91
55)	Dibromomethane	8.482	93	19556	23.52	ug/L		93
56)	1,2-Dichloropropane	8.561	63	21636	20.91	ug/L		95
57)	Bromodichloromethane	8.622	83	35505	20.78	ug/L		98
58)	Methyl methacrylate	8.744	41	18495	17.07	ug/L		82
59)	1,4-Dioxane	8.823	88	19656	454.31	ug/L		89
60)	2-Chloroethyl vinyl ether	9.159	63	50458	96.10	ug/L		91
61)	cis-1,3-Dichloropropene	9.250	75	38472	21.86	ug/L		90
64)	Toluene	9.500	91	104428	21.89	ug/L		100
65)	2-Nitropropane	9.695	41	52738	78.63	ug/L		98
66)	4-Methyl-2-pentanone	9.823	43	174065	83.14	ug/L		94
67)	trans-1,3-Dichloropropene	9.896	75	36091	21.56	ug/L		93
68)	Tetrachloroethene	9.908	166	31742	24.81	ug/L		99
69)	Ethyl methacrylate	10.012	69	33717	18.90	ug/L		85
70)	1,1,2-Trichloroethane	10.055	83	21639	19.90	ug/L		95
71)	Dibromochloromethane	10.256	129	32223	23.36	ug/L		98
72)	1,3-Dichloropropane	10.335	76	38831	22.74	ug/L		89
73)	1,2-Dibromoethane	10.518	107	31001	23.90	ug/L		92
74)	3,3-dimethyl-1-butanol	10.616	57	455843	907.98	ug/L		93
75)	2-hexanone	10.652	43	147698	83.69	ug/L		90
76)	1-Chlorohexane	10.963	91	32959	21.45	ug/L		83
77)	Ethylbenzene	11.024	91	117796	22.74	ug/L		96
78)	Chlorobenzene	11.024	112	72478	23.89	ug/L		93
79)	1,1,1,2-Tetrachloroethane	11.073	131	26926	22.81	ug/L		98
80)	m,p-Xylene	11.164	91	180277	46.79	ug/L		97
81)	o-Xylene	11.603	91	92775	21.82	ug/L		98
82)	Styrene	11.658	104	68897	21.97	ug/L		94
83)	Bromoform	11.707	173	22639	21.30	ug/L		97
84)	Isopropylbenzene	11.908	105	115116	23.14	ug/L		98
87)	cis-1,4-Dichloro-2-butene	12.255	53	9542	14.84	ug/L		89
88)	n-Propylbenzene	12.329	91	131717	23.31	ug/L		96
89)	Bromobenzene	12.347	156	31456	24.84	ug/L		96
90)	1,1,2,2-Tetrachloroethane	12.390	83	41126	20.53	ug/L		96
91)	1,3,5-Trimethylbenzene	12.512	105	94717	23.48	ug/L		99
92)	2-Chlorotoluene	12.518	91	88934	23.48	ug/L		97
93)	trans-1,4-Dichloro-2-B...	12.572	53	9847	16.64	ug/L		95
94)	1,2,3-Trichloropropane	12.542	110	15219	25.38	ug/L		90
95)	Cyclohexanone	12.609	55	13160	88.91	ug/L		89
96)	4-Chlorotoluene	12.682	91	76909	23.26	ug/L		96
97)	tert-Butylbenzene	12.853	91	51546	22.98	ug/L		97
98)	1,2,4-Trimethylbenzene	12.926	105	91254	23.41	ug/L		98
99)	Pentachloroethane	12.902	167	16700	23.33	ug/L		95
100)	sec-Butylbenzene	13.036	105	114584	23.71	ug/L		99
101)	4-Isopropyltoluene	13.170	119	98116	24.65	ug/L		97
102)	1,3-Dichlorobenzene	13.304	146	54274	24.50	ug/L		96
103)	1,2,3-Trimethylbenzene	13.383	105	98005	23.90	ug/L		98
104)	1,4-Dichlorobenzene	13.389	146	57089	24.24	ug/L		99
105)	n-Butylbenzene	13.615	92	48234	23.24	ug/L	#	81
106)	Benzyl Chloride	13.627	126	15472	20.65	ug/L	#	75
107)	1,2-Dichlorobenzene	13.828	146	54000	24.87	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\12-05-24\
Data File : I768381.D
Acq On : 5 Dec 2024 7:55 am
Operator : jeniferw
Sample : IC3431-4 Inst : VOA16-MSI
Misc : MS58055,VI3431,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 05 08:39:48 2024
Quant Method : C:\msdchem\1\methods\VI3431_12-05-2024.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Tue Nov 19 11:47:45 2024
Response via : Initial Calibration

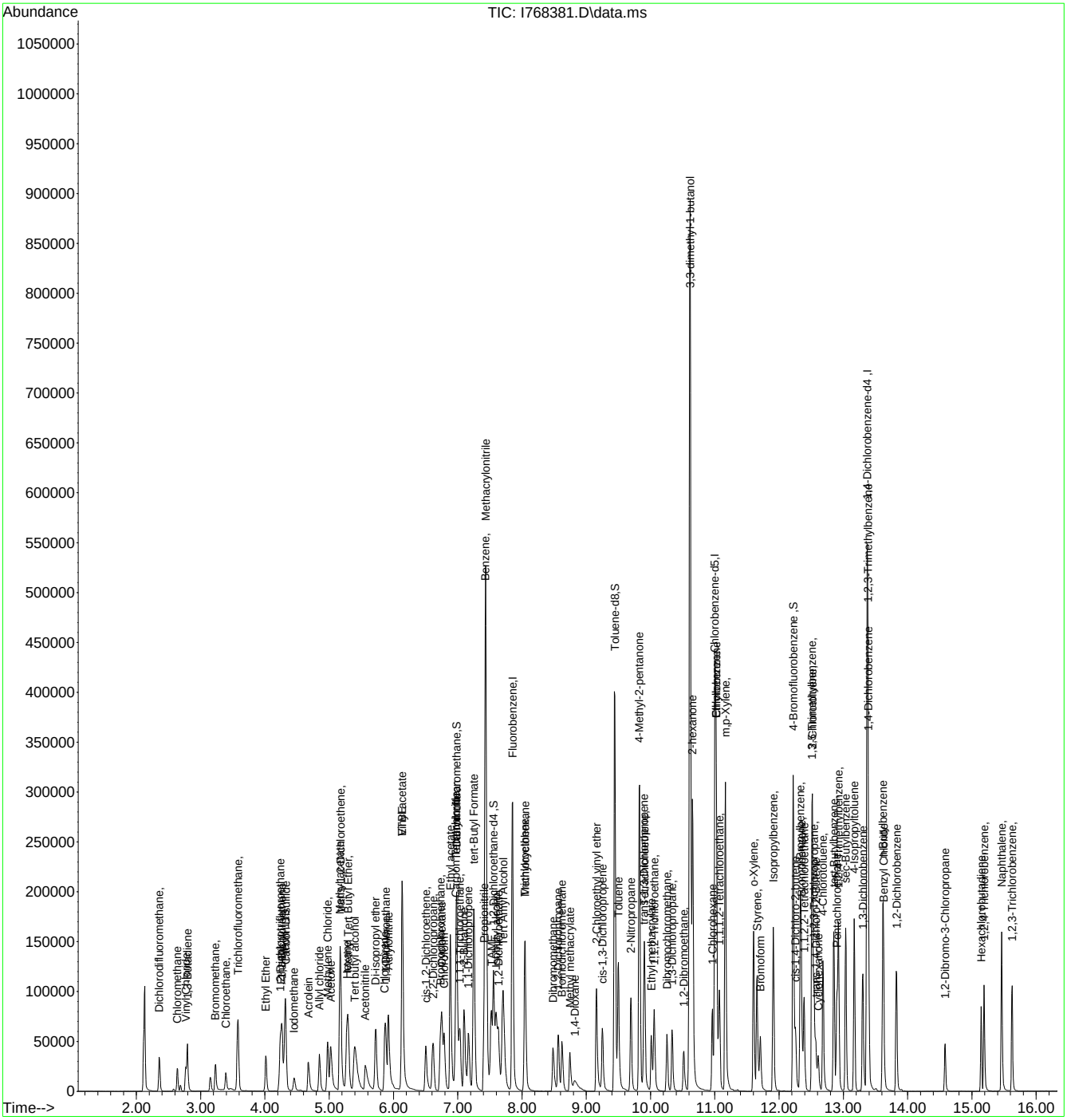
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) 1,2-Dibromo-3-Chloropr...	14.584	75	10809	20.46	ug/L	86
109) Hexachlorobutadiene	15.145	225	11670	22.43	ug/L	94
110) 1,2,4-Trichlorobenzene	15.188	180	30602	23.80	ug/L	97
111) Naphthalene	15.462	128	114779	24.33	ug/L	100
112) 1,2,3-Trichlorobenzene	15.627	180	29182	24.01	ug/L	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\12-05-24\
Data File : I768381.D
Acq On : 5 Dec 2024 7:55 am
Operator : jeniferw
Sample : IC3431-4 Inst : VOA16-MSI
Misc : MS58055,VI3431,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 05 08:39:48 2024
Quant Method : C:\msdchem\1\methods\VI3431_12-05-2024.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Tue Nov 19 11:47:45 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\12-05-24\
Data File : I768382.D
Acq On : 5 Dec 2024 8:19 am
Operator : jeniferw
Sample : ICC3431-5 Inst : VOA16-MSI
Misc : MS58055,VI3431,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 05 08:39:54 2024
Quant Method : C:\msdchem\1\methods\VI3431_12-05-2024.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Tue Nov 19 11:47:45 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.854	96	293444	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.006	117	233181	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.371	152	125137	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	6.988	113	89578	51.16	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.32%			
49) 1,2-Dichloroethane-d4	7.555	65	81590	44.89	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 89.78%			
63) Toluene-d8	9.445	98	293239	47.64	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 95.28%			
86) 4-Bromofluorobenzene	12.219	174	99376	49.24	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.48%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.361	85	54674	35.46	ug/L	98
3) Chloromethane	2.641	50	35749	27.32	ug/L	100
4) Vinyl Chloride	2.769	62	40489	31.76	ug/L	99
5) 1,3-Butadiene	2.794	39	23751	25.78	ug/L	85
6) Bromomethane	3.233	94	27327	42.13	ug/L	94
7) Chloroethane	3.391	64	23687	52.62	ug/L	91
8) Trichlorofluoromethane	3.580	101	105759	47.11	ug/L	97
9) Ethyl Ether	4.019	59	32990	30.35	ug/L	89
10) 1,2-Dichlorotrifluoroe...	4.239	67	44178	35.03	ug/L	92
11) 1,1-Dichloroethene	4.269	61	52686	33.06	ug/L	91
12) Ethanol	4.239	45	23287	466.33	ug/L	91
13) Freon 113	4.312	101	43683	40.27	ug/L	98
14) Carbon Disulfide	4.324	76	113087	32.72	ug/L	93
15) Iodomethane	4.458	142	36491	38.39	ug/L	95
16) Acrolein	4.678	56	51200	137.01	ug/L	99
17) Allyl chloride	4.848	41	34921	25.54	ug/L	88
18) Methylene Chloride	4.976	49	41965	28.26	ug/L	83
19) Acetone	5.019	43	115155	140.81	ug/L	94
20) Methyl acetate	5.165	43	216471	141.64	ug/L	90
21) trans-1,2-Dichloroethene	5.177	61	48603	33.13	ug/L	91
22) Hexane	5.269	56	26245	30.02	ug/L	91
23) Methyl Tert Butyl Ether	5.293	73	126550	32.61	ug/L	96
24) Tert butyl alcohol	5.403	59	184092	288.62	ug/L	97
25) Acetonitrile	5.562	41	74622	242.69	ug/L	98
26) Di-isopropyl ether	5.726	45	87795	25.56	ug/L	89
27) Chloroprene	5.860	53	41180	30.52	ug/L	90
28) 1,1-Dichloroethane	5.885	63	64875	33.55	ug/L	99
29) Acrylonitrile	5.921	53	128860	158.76	ug/L	98
30) ETBE	6.135	59	110841	30.69	ug/L	90
31) Vinyl acetate	6.135	43	379163	135.10	ug/L	93
32) cis-1,2-Dichloroethene	6.500	96	47176	37.59	ug/L	88
33) 2,2-Dichloropropane	6.616	77	60831	34.36	ug/L	99
34) Bromochloromethane	6.726	128	26255	43.17	ug/L #	82
35) Cyclohexane	6.750	56	51913	29.01	ug/L	87
36) Chloroform	6.787	83	79485	33.76	ug/L	97
37) Ethyl acetate	6.884	43	295852	142.46	ug/L	95
38) Tetrahydrofuran	6.976	42	24531	26.90	ug/L	89
40) Carbon Tetrachloride	6.970	117	65537	39.79	ug/L	100
41) 1,1,1-Trichloroethane	7.031	97	70609	38.21	ug/L	97
42) 2-Butanone	7.098	43	175976	139.17	ug/L	87
43) 1,1-Dichloropropene	7.165	75	48088	36.95	ug/L	90
44) tert-Butyl Formate	7.250	59	177879	138.80	ug/L	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\12-05-24\
Data File : I768382.D
Acq On : 5 Dec 2024 8:19 am
Operator : jeniferw
Sample : ICC3431-5 Inst : VOA16-MSI
Misc : MS58055,VI3431,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 05 08:39:54 2024
Quant Method : C:\msdchem\1\methods\VI3431_12-05-2024.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Tue Nov 19 11:47:45 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Propionitrile	7.409	54	120954	320.21	ug/L		98
46) Methacrylonitrile	7.433	41	295938	269.27	ug/L		95
47) Benzene	7.427	78	158919	36.87	ug/L		88
48) TAME	7.525	73	124612	32.53	ug/L		92
50) Isobutyl alcohol	7.598	42	58368	481.89	ug/L		98
51) 1,2-Dichloroethane	7.634	62	52920	34.67	ug/L		97
52) Tert Amyl Alcohol	7.707	59	147378	281.76	ug/L		94
53) Trichloroethene	8.043	95	46351	38.18	ug/L		95
54) Methylcyclohexane	8.049	83	64612	36.60	ug/L		92
55) Dibromomethane	8.482	93	33657	38.90	ug/L		96
56) 1,2-Dichloropropane	8.561	63	35937	33.37	ug/L		93
57) Bromodichloromethane	8.622	83	58908	33.12	ug/L		97
58) Methyl methacrylate	8.738	41	32671	28.98	ug/L		84
59) 1,4-Dioxane	8.823	88	32368	718.87	ug/L		89
60) 2-Chloroethyl vinyl ether	9.152	63	80937	151.15	ug/L		91
61) cis-1,3-Dichloropropene	9.250	75	64679	35.32	ug/L		91
64) Toluene	9.494	91	176366	35.35	ug/L		99
65) 2-Nitropropane	9.695	41	91744	130.77	ug/L		97
66) 4-Methyl-2-pentanone	9.823	43	289754	132.30	ug/L		94
67) trans-1,3-Dichloropropene	9.890	75	61521	35.13	ug/L		92
68) Tetrachloroethene	9.908	166	54051	40.39	ug/L		98
69) Ethyl methacrylate	10.012	69	59607	31.95	ug/L		86
70) 1,1,2-Trichloroethane	10.055	83	35429	31.14	ug/L		93
71) Dibromochloromethane	10.256	129	54815	37.99	ug/L		99
72) 1,3-Dichloropropane	10.335	76	65579	36.71	ug/L		89
73) 1,2-Dibromoethane	10.512	107	53921	39.74	ug/L		94
74) 3,3-dimethyl-1-butanol	10.615	57	761643	1450.31	ug/L		94
75) 2-hexanone	10.652	43	244909	132.66	ug/L		90
76) 1-Chlorohexane	10.963	91	57404	35.72	ug/L		82
77) Ethylbenzene	11.024	91	199419	36.80	ug/L		96
78) Chlorobenzene	11.024	112	123354	38.86	ug/L		93
79) 1,1,1,2-Tetrachloroethane	11.073	131	46756	37.86	ug/L		98
80) m,p-Xylene	11.164	91	307013	76.18	ug/L		96
81) o-Xylene	11.603	91	156782	35.26	ug/L		98
82) Styrene	11.652	104	119979	36.57	ug/L		95
83) Bromoform	11.707	173	40734	36.63	ug/L		99
84) Isopropylbenzene	11.908	105	196317	37.72	ug/L		96
87) cis-1,4-Dichloro-2-butene	12.255	53	17183	24.99	ug/L		89
88) n-Propylbenzene	12.329	91	223809	37.04	ug/L		97
89) Bromobenzene	12.347	156	54447	40.20	ug/L		90
90) 1,1,2,2-Tetrachloroethane	12.390	83	70429	32.88	ug/L		98
91) 1,3,5-Trimethylbenzene	12.511	105	162986	37.78	ug/L		98
92) 2-Chlorotoluene	12.518	91	145747	35.99	ug/L		96
93) trans-1,4-Dichloro-2-B...	12.566	53	16055	25.38	ug/L		83
94) 1,2,3-Trichloropropane	12.542	110	25208	39.31	ug/L		89
95) Cyclohexanone	12.609	55	21574	136.30	ug/L		90
96) 4-Chlorotoluene	12.682	91	132359	37.43	ug/L		95
97) tert-Butylbenzene	12.853	91	86679	36.14	ug/L		97
98) 1,2,4-Trimethylbenzene	12.920	105	157856	37.87	ug/L		100
99) Pentachloroethane	12.902	167	29143	38.07	ug/L		99
100) sec-Butylbenzene	13.036	105	196070	37.93	ug/L		99
101) 4-Isopropyltoluene	13.170	119	168415	39.56	ug/L		98
102) 1,3-Dichlorobenzene	13.298	146	93383	39.42	ug/L		98
103) 1,2,3-Trimethylbenzene	13.383	105	167256	38.14	ug/L		97
104) 1,4-Dichlorobenzene	13.383	146	99011	39.31	ug/L		98
105) n-Butylbenzene	13.615	92	82397	37.12	ug/L		95
106) Benzyl Chloride	13.621	126	28516	35.59	ug/L	#	89
107) 1,2-Dichlorobenzene	13.822	146	91043	39.21	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\12-05-24\
Data File : I768382.D
Acq On : 5 Dec 2024 8:19 am
Operator : jeniferw
Sample : ICC3431-5 Inst : VOA16-MSI
Misc : MS58055,VI3431,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 05 08:39:54 2024
Quant Method : C:\msdchem\1\methods\VI3431_12-05-2024.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Tue Nov 19 11:47:45 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) 1,2-Dibromo-3-Chloropr...	14.578	75	18368	32.51	ug/L	92
109) Hexachlorobutadiene	15.145	225	19902	35.77	ug/L	97
110) 1,2,4-Trichlorobenzene	15.188	180	53670	39.03	ug/L	97
111) Naphthalene	15.462	128	201380	39.92	ug/L	100
112) 1,2,3-Trichlorobenzene	15.627	180	50433	38.80	ug/L	98

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

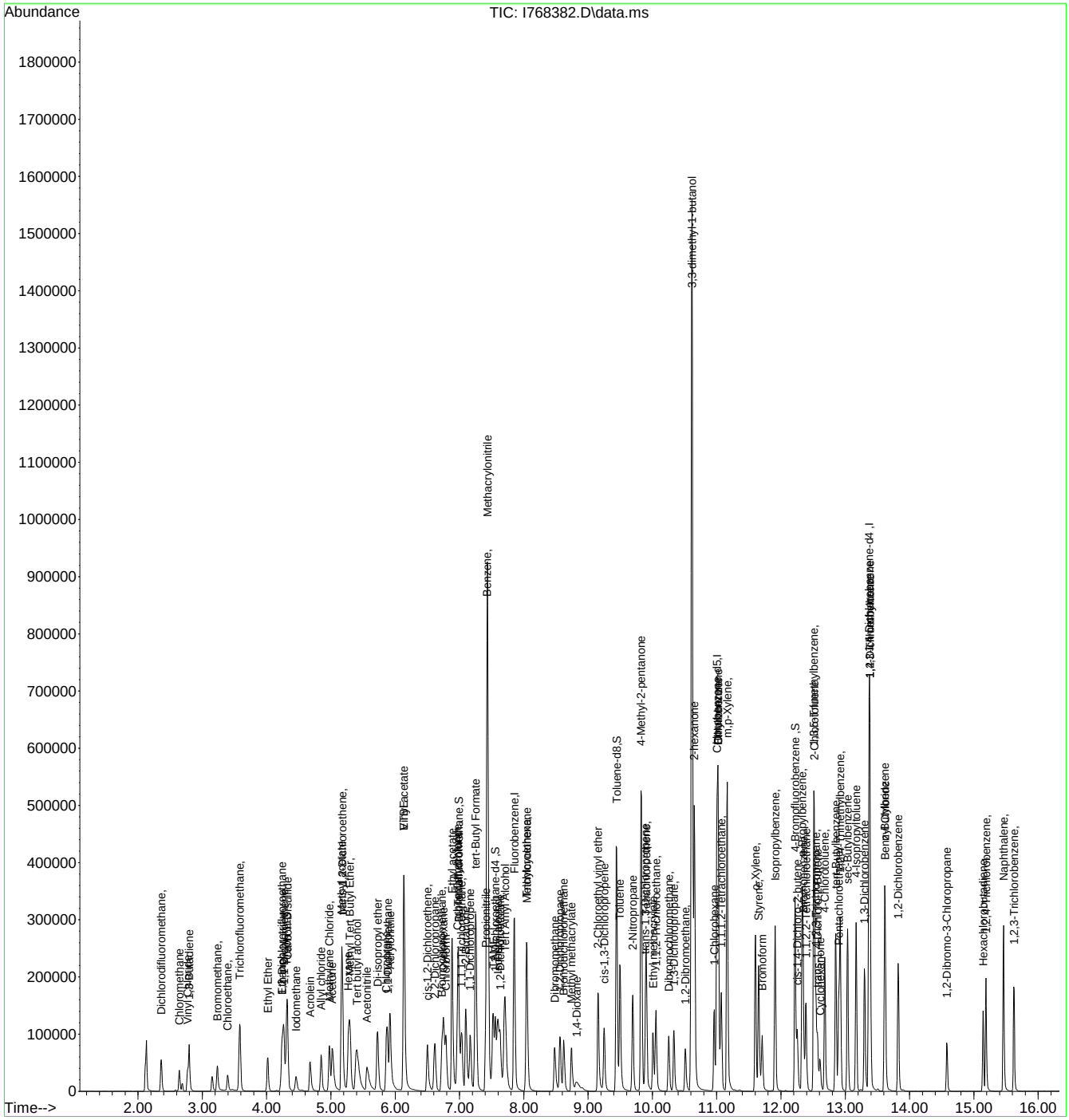
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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\12-05-24\
Data File : I768382.D
Acq On : 5 Dec 2024 8:19 am
Operator : jeniferw
Sample : ICC3431-5 Inst : VOA16-MSI
Misc : MS58055,VI3431,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 05 08:39:54 2024
Quant Method : C:\msdchem\1\methods\VI3431_12-05-2024.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Tue Nov 19 11:47:45 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\12-05-24\
Data File : I768383.D
Acq On : 5 Dec 2024 8:43 am
Operator : jeniferw
Sample : IC3431-6 Inst : VOA16-MSI
Misc : MS58055,VI3431,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 05 09:00:13 2024
Quant Method : C:\msdchem\1\methods\VI3431_12-05-2024.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Tue Nov 19 11:47:45 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.854	96	294950	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.006	117	229900	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.371	152	122850	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	6.988	113	90015	51.15	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.30%			
49) 1,2-Dichloroethane-d4	7.561	65	80815	44.23	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 88.46%			
63) Toluene-d8	9.445	98	292209	48.15	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 96.30%			
86) 4-Bromofluorobenzene	12.219	174	97993	49.46	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.92%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.367	85	88917	57.37	ug/L	100
3) Chloromethane	2.641	50	61141	46.49	ug/L	99
4) Vinyl Chloride	2.775	62	68565	53.52	ug/L	98
5) 1,3-Butadiene	2.800	39	39238	42.38	ug/L	89
6) Bromomethane	3.239	94	51665	79.24	ug/L	97
7) Chloroethane	3.397	64	36855	96.23	ug/L	95
8) Trichlorofluoromethane	3.580	101	164741	73.01	ug/L	97
9) Ethyl Ether	4.019	59	58935	53.93	ug/L	88
10) 1,2-Dichlorotrifluoroe...	4.239	67	75042	59.21	ug/L	91
11) 1,1-Dichloroethene	4.263	61	90550	56.53	ug/L	89
12) Ethanol	4.300	45	37504	792.54	ug/L	97
13) Freon 113	4.312	101	76221	69.91	ug/L	97
14) Carbon Disulfide	4.318	76	195491	56.27	ug/L	95
15) Iodomethane	4.458	142	63580	74.94	ug/L	94
16) Acrolein	4.677	56	91704	244.14	ug/L	100
17) Allyl chloride	4.848	41	61090	44.46	ug/L	88
18) Methylene Chloride	4.976	49	69903	46.84	ug/L	82
19) Acetone	5.031	43	195780	238.18	ug/L	95
20) Methyl acetate	5.171	43	373879	243.39	ug/L	89
21) trans-1,2-Dichloroethene	5.177	61	86099	58.39	ug/L	92
22) Hexane	5.269	56	44612	50.77	ug/L	86
23) Methyl Tert Butyl Ether	5.299	73	219163	56.19	ug/L	80
24) Tert butyl alcohol	5.440	59	312058	486.74	ug/L	95
25) Acetonitrile	5.568	41	115659	395.76	ug/L	95
26) Di-isopropyl ether	5.726	45	154987	44.88	ug/L	89
27) Chloroprene	5.860	53	76314	56.28	ug/L	90
28) 1,1-Dichloroethane	5.885	63	112589	57.93	ug/L	98
29) Acrylonitrile	5.921	53	215625	264.30	ug/L	99
30) ETBE	6.141	59	196203	54.04	ug/L	91
31) Vinyl acetate	6.135	43	679544	240.89	ug/L	94
32) cis-1,2-Dichloroethene	6.500	96	82024	65.03	ug/L	90
33) 2,2-Dichloropropane	6.616	77	105869	59.49	ug/L	99
34) Bromochloromethane	6.726	128	41744	68.29	ug/L #	85
35) Cyclohexane	6.750	56	89320	49.66	ug/L	88
36) Chloroform	6.787	83	137633	58.16	ug/L	97
37) Ethyl acetate	6.884	43	515964	247.18	ug/L	96
38) Tetrahydrofuran	6.982	42	40791	44.50	ug/L	91
40) Carbon Tetrachloride	6.970	117	115216	69.60	ug/L	98
41) 1,1,1-Trichloroethane	7.037	97	120717	64.99	ug/L	95
42) 2-Butanone	7.104	43	305466	238.36	ug/L	86
43) 1,1-Dichloropropene	7.165	75	84663	64.72	ug/L	89
44) tert-Butyl Formate	7.256	59	308161	239.24	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\12-05-24\
Data File : I768383.D
Acq On : 5 Dec 2024 8:43 am
Operator : jeniferw
Sample : IC3431-6 Inst : VOA16-MSI
Misc : MS58055,VI3431,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 05 09:00:13 2024
Quant Method : C:\msdchem\1\methods\VI3431_12-05-2024.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Tue Nov 19 11:47:45 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Propionitrile	7.415	54	214471	564.89	ug/L		79
46) Methacrylonitrile	7.439	41	533081	482.56	ug/L		97
47) Benzene	7.427	78	279707	64.57	ug/L		80
48) TAME	7.524	73	209299	54.37	ug/L		91
50) Isobutyl alcohol	7.628	42	120357	988.60	ug/L		95
51) 1,2-Dichloroethane	7.628	62	91784	59.83	ug/L		98
52) Tert Amyl Alcohol	7.726	59	262468	499.22	ug/L		95
53) Trichloroethene	8.043	95	81169	66.52	ug/L		95
54) Methylcyclohexane	8.049	83	109663	61.80	ug/L		90
55) Dibromomethane	8.476	93	56618	65.11	ug/L		94
56) 1,2-Dichloropropane	8.561	63	61824	57.12	ug/L		94
57) Bromodichloromethane	8.622	83	101682	56.88	ug/L		96
58) Methyl methacrylate	8.738	41	57762	50.97	ug/L		79
59) 1,4-Dioxane	8.835	88	55702	1230.79	ug/L		91
60) 2-Chloroethyl vinyl ether	9.152	63	136508	264.79	ug/L		92
61) cis-1,3-Dichloropropene	9.250	75	114065	61.96	ug/L		90
64) Toluene	9.494	91	301355	61.26	ug/L		99
65) 2-Nitropropane	9.695	41	161839	233.98	ug/L		99
66) 4-Methyl-2-pentanone	9.829	43	496928	230.13	ug/L		93
67) trans-1,3-Dichloropropene	9.890	75	108668	62.93	ug/L		84
68) Tetrachloroethene	9.902	166	95995	72.76	ug/L		94
69) Ethyl methacrylate	10.006	69	106711	58.01	ug/L		88
70) 1,1,2-Trichloroethane	10.054	83	60937	54.33	ug/L		95
71) Dibromochloromethane	10.256	129	94169	66.19	ug/L		99
72) 1,3-Dichloropropane	10.335	76	112458	63.86	ug/L		91
73) 1,2-Dibromoethane	10.512	107	90735	67.83	ug/L		99
74) 3,3-dimethyl-1-butanol	10.621	57	1398551	2701.10	ug/L		95
75) 2-hexanone	10.652	43	448975	246.68	ug/L		88
76) 1-Chlorohexane	10.963	91	99892	63.04	ug/L		82
77) Ethylbenzene	11.024	91	339948	63.64	ug/L		95
78) Chlorobenzene	11.024	112	211298	67.52	ug/L		92
79) 1,1,1,2-Tetrachloroethane	11.073	131	80238	65.89	ug/L		98
80) m,p-Xylene	11.164	91	525957	132.36	ug/L		97
81) o-Xylene	11.603	91	267030	60.90	ug/L		98
82) Styrene	11.652	104	206247	63.76	ug/L		94
83) Bromoform	11.707	173	72357	66.00	ug/L		97
84) Isopropylbenzene	11.908	105	333107	64.91	ug/L		97
87) cis-1,4-Dichloro-2-butene	12.255	53	31736	47.01	ug/L		87
88) n-Propylbenzene	12.328	91	377839	63.70	ug/L		95
89) Bromobenzene	12.341	156	93522	70.34	ug/L		98
90) 1,1,2,2-Tetrachloroethane	12.389	83	118749	56.47	ug/L		97
91) 1,3,5-Trimethylbenzene	12.511	105	276572	65.31	ug/L		98
92) 2-Chlorotoluene	12.517	91	247413	62.23	ug/L		95
93) trans-1,4-Dichloro-2-B...	12.566	53	28884	46.50	ug/L		90
94) 1,2,3-Trichloropropane	12.542	110	42307	67.21	ug/L		90
95) Cyclohexanone	12.609	55	39555	254.55	ug/L		89
96) 4-Chlorotoluene	12.682	91	225130	64.85	ug/L		94
97) tert-Butylbenzene	12.853	91	147661	62.71	ug/L		97
98) 1,2,4-Trimethylbenzene	12.920	105	269810	65.94	ug/L		99
99) Pentachloroethane	12.901	167	49990	66.53	ug/L		99
100) sec-Butylbenzene	13.036	105	330247	65.08	ug/L		99
101) 4-Isopropyltoluene	13.170	119	288130	68.94	ug/L		96
102) 1,3-Dichlorobenzene	13.298	146	162342	69.80	ug/L		97
103) 1,2,3-Trimethylbenzene	13.383	105	284023	65.98	ug/L		97
104) 1,4-Dichlorobenzene	13.383	146	166216	67.23	ug/L		100
105) n-Butylbenzene	13.615	92	143424	65.82	ug/L		98
106) Benzyl Chloride	13.621	126	51571	65.57	ug/L	#	76
107) 1,2-Dichlorobenzene	13.822	146	158017	69.31	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\12-05-24\
Data File : I768383.D
Acq On : 5 Dec 2024 8:43 am
Operator : jeniferw
Sample : IC3431-6 Inst : VOA16-MSI
Misc : MS58055,VI3431,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 05 09:00:13 2024
Quant Method : C:\msdchem\1\methods\VI3431_12-05-2024.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Tue Nov 19 11:47:45 2024
Response via : Initial Calibration

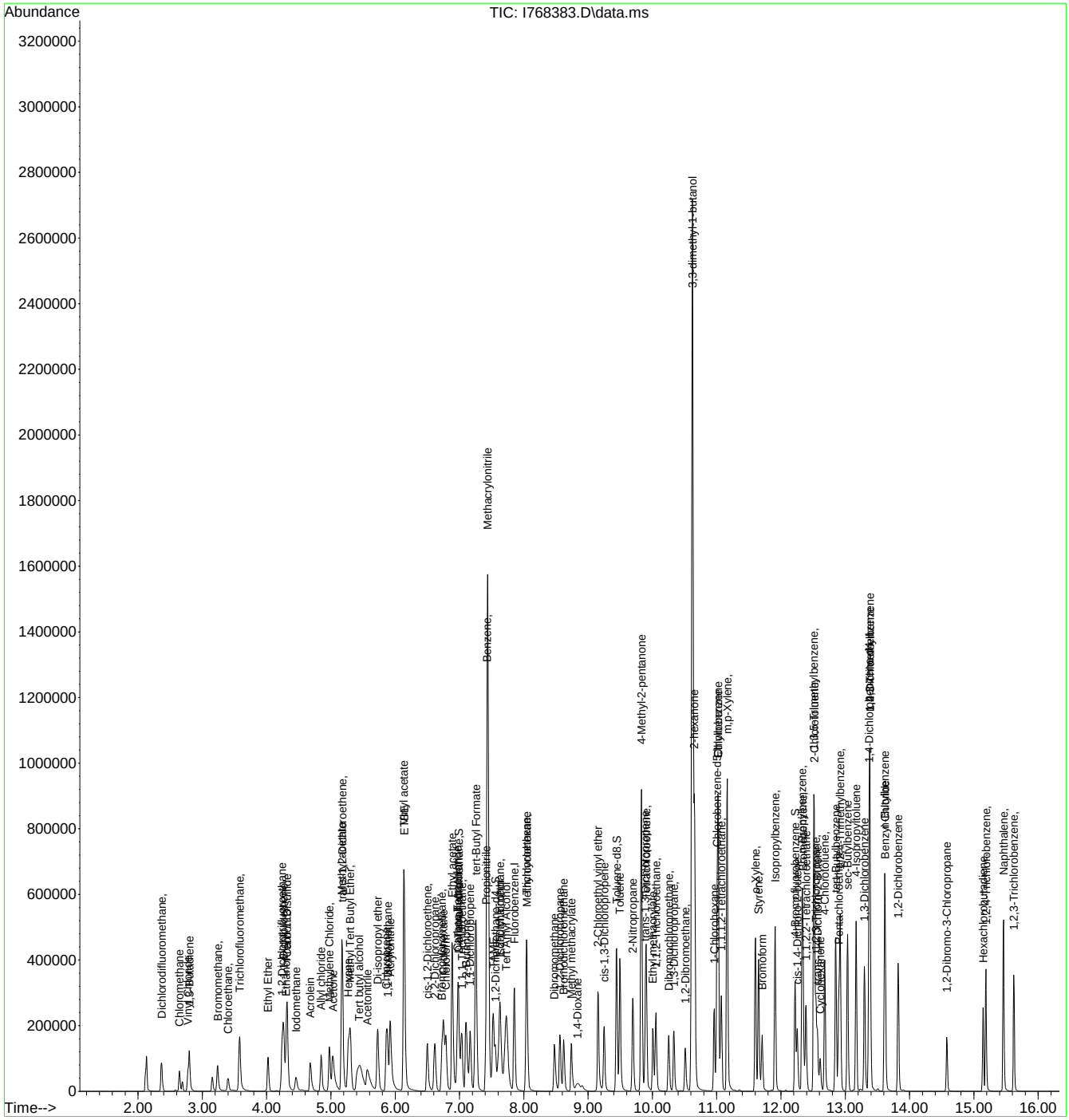
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) 1,2-Dibromo-3-Chloropr...	14.578	75	32899	59.31	ug/L	87
109) Hexachlorobutadiene	15.145	225	35649	65.26	ug/L	96
110) 1,2,4-Trichlorobenzene	15.188	180	97789	72.44	ug/L	99
111) Naphthalene	15.462	128	362887	73.27	ug/L	99
112) 1,2,3-Trichlorobenzene	15.620	180	91983	72.08	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\12-05-24\
Data File : I768383.D
Acq On : 5 Dec 2024 8:43 am
Operator : jeniferw
Sample : IC3431-6 Inst : VOA16-MSI
Misc : MS58055,VI3431,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 05 09:00:13 2024
Quant Method : C:\msdchem\1\methods\VI3431_12-05-2024.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Tue Nov 19 11:47:45 2024
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
12/05/24 12:26

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\12-05-24\
Data File : I768384.D
Acq On : 5 Dec 2024 9:07 am
Operator : jeniferw
Sample : IC3431-7 Inst : VOA16-MSI
Misc : MS58055,VI3431,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 05 10:51:00 2024
Quant Method : C:\msdchem\1\methods\VI3431_12-05-2024.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Tue Nov 19 11:47:45 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.854	96	296765	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.006	117	227146	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.371	152	123320	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	6.988	113	89099	50.32	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.64%			
49) 1,2-Dichloroethane-d4	7.561	65	80990	44.06	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 88.12%			
63) Toluene-d8	9.439	98	291343	48.59	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 97.18%			
86) 4-Bromofluorobenzene	12.219	174	98247	49.40	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.80%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.361	85	126075	80.85	ug/L	98
3) Chloromethane	2.635	50	87681	66.26	ug/L	97
4) Vinyl Chloride	2.769	62	98529	76.43	ug/L	98
5) 1,3-Butadiene	2.788	39	57901	62.15	ug/L	88
6) Bromomethane	3.233	94	70707	107.78	ug/L	99
7) Chloroethane	3.403	64	55638	Below Cal		93
8) Trichlorofluoromethane	3.580	101	209521	92.29	ug/L	96
9) Ethyl Ether	4.019	59	95340	86.72	ug/L	90
10) 1,2-Dichlorotrifluoroe...	4.239	67	119412	93.64	ug/L	88
11) 1,1-Dichloroethene	4.257	61	146017	90.60	ug/L	94
12) Ethanol	4.482	45	48824	1084.30	ug/L	99
13) Freon 113	4.300	101	122243	111.44	ug/L	95
14) Carbon Disulfide	4.312	76	309638	88.58	ug/L	95
15) Iodomethane	4.452	142	82745	110.48	ug/L	96
16) Acrolein	4.678	56	141059	373.24	ug/L	99
17) Allyl chloride	4.842	41	89361	64.64	ug/L	89
18) Methylene Chloride	4.970	49	109819	73.14	ug/L	89
19) Acetone	5.037	43	308572	373.11	ug/L	96
20) Methyl acetate	5.171	43	597527	386.60	ug/L	91
21) trans-1,2-Dichloroethene	5.171	61	137289	92.53	ug/L	93
22) Hexane	5.257	56	70590	79.84	ug/L	83
23) Methyl Tert Butyl Ether	5.305	73	338305	86.20	ug/L	80
24) Tert butyl alcohol	5.494	59	433367	671.83	ug/L	96
25) Acetonitrile	5.574	41	168637	628.49	ug/L	96
26) Di-isopropyl ether	5.732	45	220132	63.36	ug/L	89
27) Chloroprene	5.854	53	110172	80.75	ug/L	90
28) 1,1-Dichloroethane	5.878	63	162187	82.93	ug/L	96
29) Acrylonitrile	5.927	53	316384	385.43	ug/L	99
30) ETBE	6.147	59	287326	78.66	ug/L	92
31) Vinyl acetate	6.141	43	993894	350.17	ug/L	93
32) cis-1,2-Dichloroethene	6.494	96	116988	92.18	ug/L	88
33) 2,2-Dichloropropane	6.610	77	150992	84.32	ug/L	99
34) Bromochloromethane	6.720	128	59119	96.12	ug/L #	84
35) Cyclohexane	6.744	56	130950	72.36	ug/L	87
36) Chloroform	6.787	83	197917	83.13	ug/L	96
37) Ethyl acetate	6.890	43	735705	350.30	ug/L	96
38) Tetrahydrofuran	6.988	42	57837	62.71	ug/L	93
40) Carbon Tetrachloride	6.970	117	164803	98.94	ug/L	99
41) 1,1,1-Trichloroethane	7.031	97	173652	92.92	ug/L	96
42) 2-Butanone	7.110	43	434404	334.24	ug/L	85
43) 1,1-Dichloropropene	7.165	75	122599	93.14	ug/L	88
44) tert-Butyl Formate	7.256	59	432590	333.78	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\12-05-24\
Data File : I768384.D
Acq On : 5 Dec 2024 9:07 am
Operator : jeniferw
Sample : IC3431-7 Inst : VOA16-MSI
Misc : MS58055,VI3431,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 05 10:51:00 2024
Quant Method : C:\msdchem\1\methods\VI3431_12-05-2024.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Tue Nov 19 11:47:45 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) Propionitrile	7.427	54	308234	806.88	ug/L #	12
46) Methacrylonitrile	7.445	41	762284	685.82	ug/L	98
47) Benzene	7.427	78	396837	91.05	ug/L #	68
48) TAME	7.531	73	302106	77.99	ug/L	90
50) Isobutyl alcohol	7.659	42	175116	1429.59	ug/L	96
51) 1,2-Dichloroethane	7.628	62	131336	85.09	ug/L	95
52) Tert Amyl Alcohol	7.762	59	398164	752.69	ug/L	97
53) Trichloroethene	8.037	95	116586	94.96	ug/L	95
54) Methylcyclohexane	8.043	83	160628	89.96	ug/L	91
55) Dibromomethane	8.476	93	82445	94.22	ug/L	94
56) 1,2-Dichloropropane	8.561	63	90035	82.67	ug/L	93
57) Bromodichloromethane	8.622	83	145477	80.89	ug/L	96
58) Methyl methacrylate	8.738	41	82472	72.33	ug/L	80
59) 1,4-Dioxane	8.878	88	81063	1780.21	ug/L	89
60) 2-Chloroethyl vinyl ether	9.158	63	181328	363.47	ug/L	92
61) cis-1,3-Dichloropropene	9.250	75	164221	88.66	ug/L	90
64) Toluene	9.494	91	434616	89.42	ug/L	99
65) 2-Nitropropane	9.701	41	239624	350.64	ug/L	99
66) 4-Methyl-2-pentanone	9.835	43	716268	335.73	ug/L	94
67) trans-1,3-Dichloropropene	9.890	75	158109	92.67	ug/L	81
68) Tetrachloroethene	9.902	166	139950	107.36	ug/L	96
69) Ethyl methacrylate	10.012	69	149852	82.45	ug/L	87
70) 1,1,2-Trichloroethane	10.055	83	86820	78.34	ug/L	96
71) Dibromochloromethane	10.256	129	137439	97.77	ug/L	100
72) 1,3-Dichloropropane	10.335	76	160019	91.97	ug/L	90
73) 1,2-Dibromoethane	10.512	107	131238	99.30	ug/L	98
74) 3,3-dimethyl-1-butanol	10.634	57	2113028	4130.49	ug/L	95
75) 2-hexanone	10.658	43	687247m	382.17	ug/L	
76) 1-Chlorohexane	10.963	91	143764	91.83	ug/L	85
77) Ethylbenzene	11.024	91	485647	92.01	ug/L	95
78) Chlorobenzene	11.018	112	300856	97.30	ug/L	93
79) 1,1,1,2-Tetrachloroethane	11.073	131	115328	95.86	ug/L	98
80) m,p-Xylene	11.164	91	756299	192.64	ug/L	98
81) o-Xylene	11.603	91	382437	88.28	ug/L	97
82) Styrene	11.652	104	300923	94.15	ug/L	94
83) Bromoform	11.707	173	107225	98.99	ug/L	99
84) Isopropylbenzene	11.908	105	476668	94.02	ug/L	97
87) cis-1,4-Dichloro-2-butene	12.255	53	46196	68.16	ug/L	84
88) n-Propylbenzene	12.328	91	540798	90.83	ug/L	97
89) Bromobenzene	12.341	156	134359	100.66	ug/L	97
90) 1,1,2,2-Tetrachloroethane	12.389	83	172685	81.81	ug/L	99
91) 1,3,5-Trimethylbenzene	12.511	105	400330	94.17	ug/L	99
92) 2-Chlorotoluene	12.511	91	356744	89.39	ug/L	97
93) trans-1,4-Dichloro-2-B...	12.566	53	43616	69.96	ug/L	90
94) 1,2,3-Trichloropropane	12.542	110	61120	96.72	ug/L	90
95) Cyclohexanone	12.615	55	57179	366.56	ug/L	90
96) 4-Chlorotoluene	12.682	91	326229	93.62	ug/L	94
97) tert-Butylbenzene	12.853	91	211847	89.62	ug/L	96
98) 1,2,4-Trimethylbenzene	12.920	105	387961	94.45	ug/L	99
99) Pentachloroethane	12.902	167	71032	94.17	ug/L	96
100) sec-Butylbenzene	13.036	105	476760	93.59	ug/L	98
101) 4-Isopropyltoluene	13.170	119	415333	99.00	ug/L	97
102) 1,3-Dichlorobenzene	13.298	146	236120	101.14	ug/L	97
103) 1,2,3-Trimethylbenzene	13.383	105	413404	95.67	ug/L	97
104) 1,4-Dichlorobenzene	13.383	146	244697	98.59	ug/L	99
105) n-Butylbenzene	13.609	92	208656	95.39	ug/L #	76
106) Benzyl Chloride	13.621	126	76584	97.00	ug/L #	77
107) 1,2-Dichlorobenzene	13.822	146	230538	100.74	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\12-05-24\
Data File : I768384.D
Acq On : 5 Dec 2024 9:07 am
Operator : jeniferw
Sample : IC3431-7 Inst : VOA16-MSI
Misc : MS58055,VI3431,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 05 10:51:00 2024
Quant Method : C:\msdchem\1\methods\VI3431_12-05-2024.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Tue Nov 19 11:47:45 2024
Response via : Initial Calibration

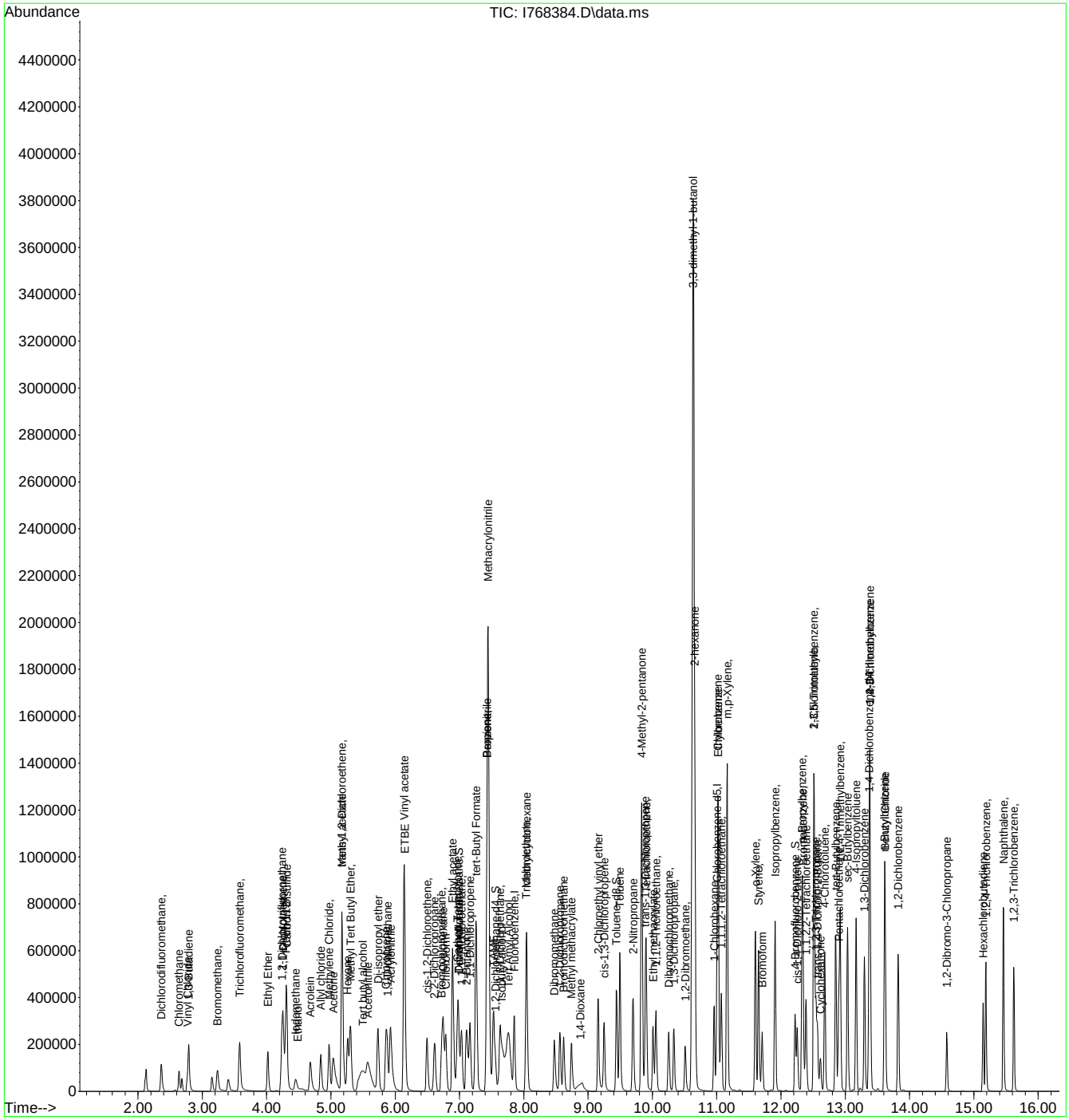
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) 1,2-Dibromo-3-Chloropr...	14.578	75	48925	87.87	ug/L	85
109) Hexachlorobutadiene	15.145	225	54061	98.59	ug/L	97
110) 1,2,4-Trichlorobenzene	15.188	180	145996	107.74	ug/L	98
111) Naphthalene	15.462	128	541714	108.95	ug/L	99
112) 1,2,3-Trichlorobenzene	15.621	180	135772	105.99	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\12-05-24\
Data File : I768384.D
Acq On : 5 Dec 2024 9:07 am
Operator : jeniferw
Sample : IC3431-7 Inst : VOA16-MSI
Misc : MS58055,VI3431,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 05 10:51:00 2024
Quant Method : C:\msdchem\1\methods\VI3431_12-05-2024.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Tue Nov 19 11:47:45 2024
Response via : Initial Calibration



Manual Integration Approval Summary

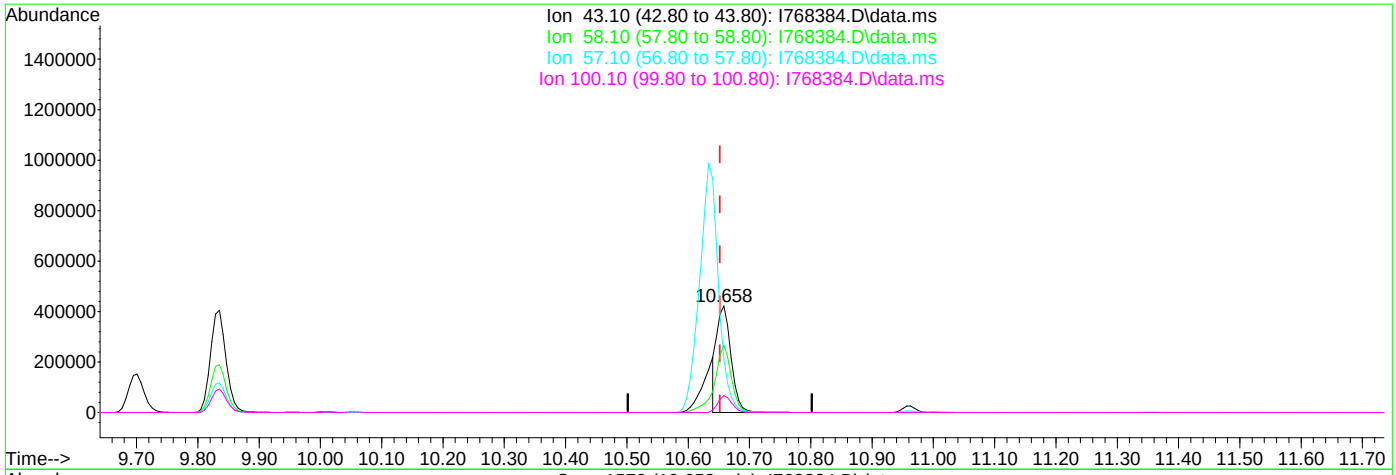
Sample Number:	VI3431-IC3431	**Method:**	SW846 8260D
Lab FileID:	I768384.D	**Analyst approved:**	12/05/24 11:19 Jenifer Willis
Injection Time:	12/05/24 09:07	**Supervisor approved:**	12/05/24 12:26 Karen Watson

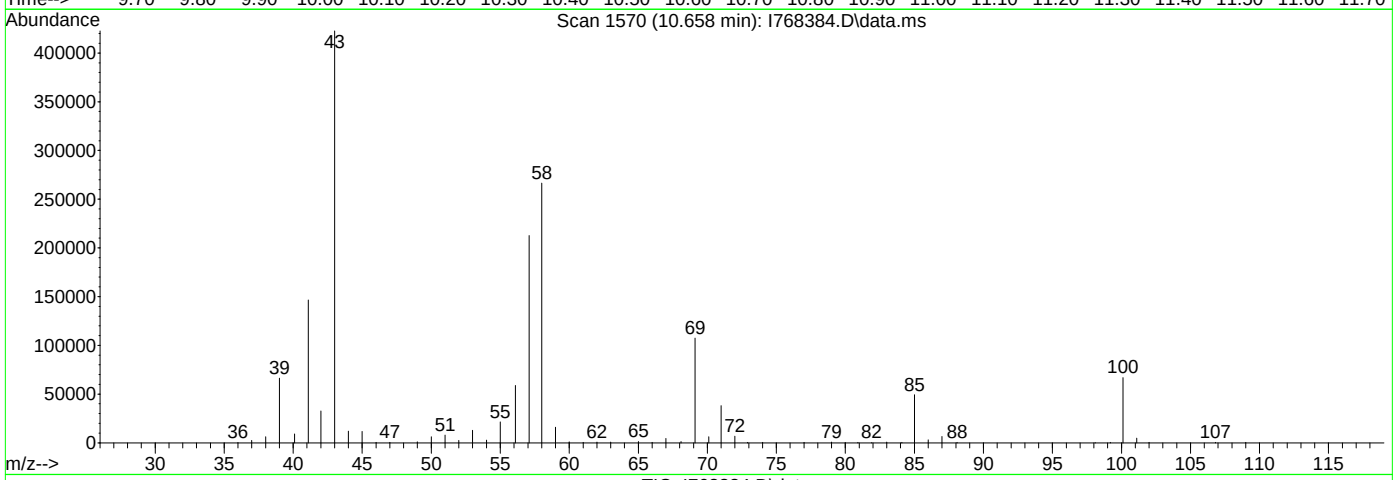
Parameter	CAS	Sig#	R.T. (min.)	Reason
2-Hexanone	591-78-6		10.66	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\12-05-24\
Data File : I768384.D
Acq On : 5 Dec 2024 9:07 am
Operator : jeniferw
Sample : IC3431-7 Inst : VOA16-MSI
Misc : MS58055,VI3431,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 05 09:41:38 2024
Quant Method : C:\msdchem\1\methods\VI3431_12-05-2024.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Tue Nov 19 11:47:45 2024
Response via : Initial Calibration





TIC: I768384.D\data.ms

(75) 2-hexanone

10.658min (+0.006) 382.17ug/L m

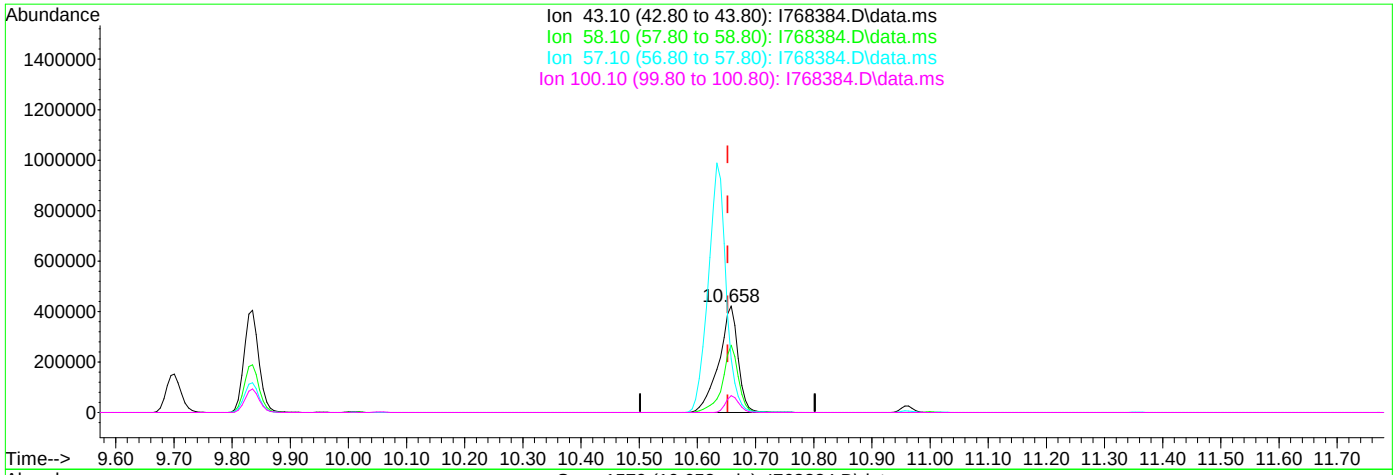
response 687247

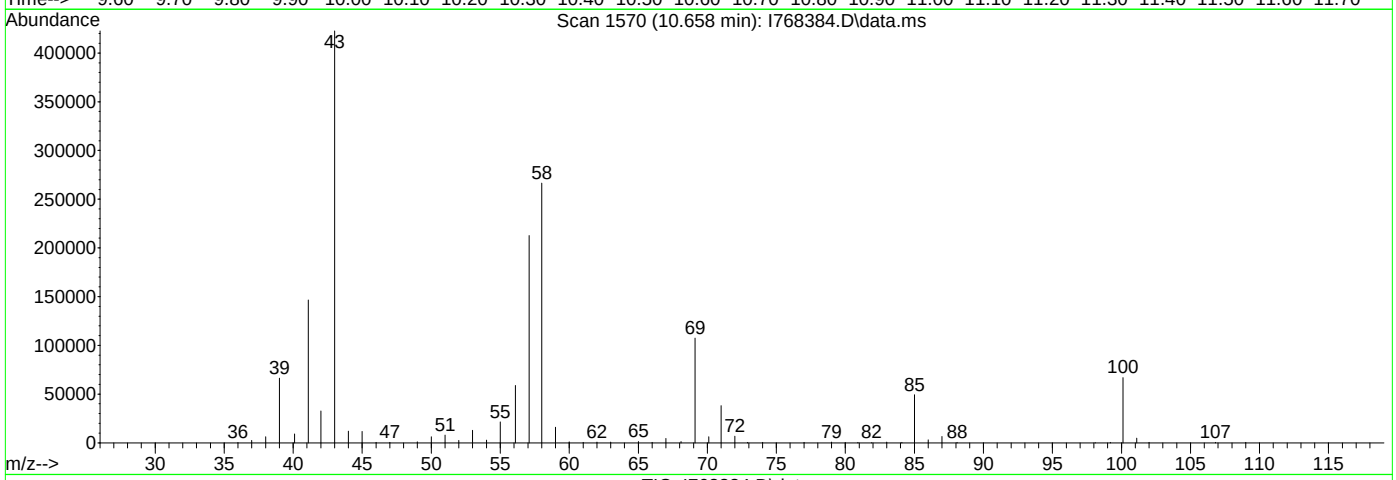
Ion	Exp%	Act%
43.10	100	100
58.10	56.80	63.05
57.10	24.50	50.30
100.10	11.60	15.82

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\12-05-24\
Data File : I768384.D
Acq On : 5 Dec 2024 9:07 am
Operator : jeniferw
Sample : IC3431-7 Inst : VOA16-MSI
Misc : MS58055,VI3431,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 05 09:41:38 2024
Quant Method : C:\msdchem\1\methods\VI3431_12-05-2024.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Tue Nov 19 11:47:45 2024
Response via : Initial Calibration





TIC: I768384.D\data.ms

(75) 2-hexanone

10.658min (+0.006) 538.39ug/L

response 968189

Ion	Exp%	Act%
43.10	100	100
58.10	56.80	63.05
57.10	24.50	50.30
100.10	11.60	15.82

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\12-05-24\
Data File : I768386.D
Acq On : 5 Dec 2024 10:00 am
Operator : jeniferw
Sample : ICV3431-5 Inst : VOA16-MSI
Misc : MS58055,VI3431,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 05 11:12:48 2024
Quant Method : C:\msdchem\1\methods\VI3431_12-05-2024.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Dec 05 11:12:39 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.848	96	301252	50.00	ug/L	0.00
62) Chlorobenzene-d5	10.999	117	233163	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.371	152	122419	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	6.982	113	92106	50.98	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.96%			
49) 1,2-Dichloroethane-d4	7.555	65	82867	48.90	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 97.80%			
63) Toluene-d8	9.439	98	295192	50.64	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 101.28%			
86) 4-Bromofluorobenzene	12.219	174	98778	51.37	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.74%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.355	85	42979	32.95	ug/L	99
3) Chloromethane	2.635	50	30634	33.40	ug/L	98
4) Vinyl Chloride	2.769	62	36818	36.36	ug/L	99
5) 1,3-Butadiene	2.794	39	25127	44.19	ug/L	98
6) Bromomethane	3.227	94	28798	38.60	ug/L	98
7) Chloroethane	3.391	64	22481	36.41	ug/L	95
8) Trichlorofluoromethane	3.580	101	87876	33.55	ug/L	99
9) Ethyl Ether	4.013	59	30421	34.57	ug/L	95
10) 1,2-Dichlorotrifluoroe...	4.239	67	41264	37.06	ug/L	95
11) 1,1-Dichloroethene	4.263	61	49051	36.82	ug/L	99
12) Ethanol	4.220	45	23467	843.14	ug/L	98
13) Freon 113	4.312	101	44101	42.06	ug/L	97
14) Carbon Disulfide	4.324	76	108756	37.71	ug/L	100
15) Iodomethane	4.458	142	29476	32.72	ug/L	98
16) Acrolein	4.671	56	44069	175.19	ug/L	96
17) Allyl chloride	4.848	41	33850	39.02	ug/L	97
18) Methylene Chloride	4.970	49	39483	36.10	ug/L	95
19) Acetone	5.019	43	128949	210.35	ug/L	98
20) Methyl acetate	5.159	43	210262	200.46	ug/L	100
21) trans-1,2-Dichloroethene	5.177	61	47868	39.57	ug/L	96
22) Hexane	5.269	56	24644	40.26	ug/L	95
23) Methyl Tert Butyl Ether	5.293	73	121538	37.02	ug/L	97
24) Tert butyl alcohol	5.397	59	187957	381.99	ug/L	99
25) Acetonitrile	5.555	41	79661	410.39	ug/L	99
26) Di-isopropyl ether	5.720	45	82238	36.67	ug/L	99
27) Chloroprene	5.860	53	43920	44.36	ug/L	96
28) 1,1-Dichloroethane	5.879	63	62004	38.00	ug/L	98
29) Acrylonitrile	5.915	53	129322	210.08	ug/L	99
30) ETBE	6.135	59	103649	36.16	ug/L	97
31) Vinyl acetate	6.135	43	377390	202.44	ug/L	99
32) cis-1,2-Dichloroethene	6.500	96	46726	39.24	ug/L	99
33) 2,2-Dichloropropane	6.616	77	61956	41.16	ug/L	97
34) Bromochloromethane	6.726	128	25164	42.89	ug/L	96
35) Cyclohexane	6.750	56	49644	40.39	ug/L	99
36) Chloroform	6.787	83	79600	39.80	ug/L	99
37) Ethyl acetate	6.878	43	286348	203.48	ug/L	99
38) Tetrahydrofuran	6.976	42	21641	33.94	ug/L	96
40) Carbon Tetrachloride	6.970	117	65163	41.51	ug/L	99
41) 1,1,1-Trichloroethane	7.031	97	70028	39.88	ug/L	98
42) 2-Butanone	7.098	43	167101	187.55	ug/L	99
43) 1,1-Dichloropropene	7.165	75	52503	44.81	ug/L	99
44) tert-Butyl Formate	7.250	59	154798	180.21	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\12-05-24\
Data File : I768386.D
Acq On : 5 Dec 2024 10:00 am
Operator : jeniferw
Sample : ICV3431-5 Inst : VOA16-MSI
Misc : MS58055,VI3431,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 05 11:12:48 2024
Quant Method : C:\msdchem\1\methods\VI3431_12-05-2024.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Dec 05 11:12:39 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) Propionitrile	7.409	54	124474	430.21	ug/L	95
46) Methacrylonitrile	7.433	41	292528	384.08	ug/L	99
47) Benzene	7.427	78	154619	38.49	ug/L	96
48) TAME	7.518	73	114833	35.85	ug/L	99
50) Isobutyl alcohol	7.592	42	59417	775.18	ug/L	94
51) 1,2-Dichloroethane	7.628	62	52353	39.48	ug/L	97
52) Tert Amyl Alcohol	7.701	59	151163	378.84	ug/L	99
53) Trichloroethene	8.043	95	46188	39.21	ug/L	99
54) Methylcyclohexane	8.049	83	61304	38.21	ug/L	97
55) Dibromomethane	8.476	93	33061	42.58	ug/L	97
56) 1,2-Dichloropropane	8.561	63	35675	41.26	ug/L	95
57) Bromodichloromethane	8.622	83	57927	40.31	ug/L	99
58) Methyl methacrylate	8.738	41	33184	40.35	ug/L	95
59) 1,4-Dioxane	8.823	88	32660	818.09	ug/L	99
60) 2-Chloroethyl vinyl ether	9.152	63	80035	192.05	ug/L	99
61) cis-1,3-Dichloropropene	9.250	75	63812	41.20	ug/L	97
64) Toluene	9.494	91	173121	39.34	ug/L	100
65) 2-Nitropropane	9.695	41	94160	215.26	ug/L	98
66) 4-Methyl-2-pentanone	9.823	43	290103	201.63	ug/L	99
67) trans-1,3-Dichloropropene	9.890	75	59400	38.07	ug/L	99
68) Tetrachloroethene	9.902	166	53933	43.19	ug/L	94
69) Ethyl methacrylate	10.006	69	60928	43.15	ug/L	98
70) 1,1,2-Trichloroethane	10.055	83	35350	41.08	ug/L	98
71) Dibromochloromethane	10.256	129	55303	43.52	ug/L	97
72) 1,3-Dichloropropane	10.335	76	63804	40.50	ug/L	99
73) 1,2-Dibromoethane	10.512	107	52375	43.21	ug/L	96
74) 3,3-dimethyl-1-butanol	10.615	57	816268	2152.29	ug/L	99
75) 2-hexanone	10.652	43	246671	196.97	ug/L	99
76) 1-Chlorohexane	10.963	91	55682	40.58	ug/L	97
77) Ethylbenzene	11.024	91	194037	38.38	ug/L	99
78) Chlorobenzene	11.018	112	123466	40.03	ug/L	99
79) 1,1,1,2-Tetrachloroethane	11.073	131	46779	41.44	ug/L	98
80) m,p-Xylene	11.164	91	299865	79.08	ug/L	99
81) o-Xylene	11.603	91	154246	39.41	ug/L	99
82) Styrene	11.652	104	117642	42.60	ug/L	98
83) Bromoform	11.707	173	39535	38.12	ug/L	99
84) Isopropylbenzene	11.908	105	195797	40.67	ug/L	99
87) cis-1,4-Dichloro-2-butene	12.255	53	17028	40.95	ug/L	94
88) n-Propylbenzene	12.329	91	221916	40.20	ug/L	99
89) Bromobenzene	12.341	156	54161	41.20	ug/L	91
90) 1,1,2,2-Tetrachloroethane	12.389	83	65705	37.05	ug/L	98
91) 1,3,5-Trimethylbenzene	12.511	105	159919	40.10	ug/L	100
92) 2-Chlorotoluene	12.511	91	143770	37.91	ug/L	98
93) trans-1,4-Dichloro-2-B...	12.566	53	16842	44.08	ug/L	92
94) 1,2,3-Trichloropropane	12.542	110	24411	39.35	ug/L	99
95) Cyclohexanone	12.603	55	23375	225.43	ug/L	94
96) 4-Chlorotoluene	12.682	91	132713	39.11	ug/L	99
97) tert-Butylbenzene	12.853	91	86828	38.54	ug/L	98
98) 1,2,4-Trimethylbenzene	12.920	105	159759	41.67	ug/L	99
99) Pentachloroethane	12.902	167	30840	46.87	ug/L	95
100) sec-Butylbenzene	13.036	105	185525	38.16	ug/L	99
101) 4-Isopropyltoluene	13.170	119	160820	39.18	ug/L	100
102) 1,3-Dichlorobenzene	13.298	146	93928	41.06	ug/L	99
103) 1,2,3-Trimethylbenzene	13.383	105	163792	39.22	ug/L	99
104) 1,4-Dichlorobenzene	13.383	146	99566	39.28	ug/L	100
105) n-Butylbenzene	13.615	92	84667	44.83	ug/L	98
106) Benzyl Chloride	13.621	126	28730	43.26	ug/L	95
107) 1,2-Dichlorobenzene	13.822	146	90911	40.92	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\12-05-24\
Data File : I768386.D
Acq On : 5 Dec 2024 10:00 am
Operator : jeniferw
Sample : ICV3431-5 Inst : VOA16-MSI
Misc : MS58055,VI3431,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 05 11:12:48 2024
Quant Method : C:\msdchem\1\methods\VI3431_12-05-2024.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Dec 05 11:12:39 2024
Response via : Initial Calibration

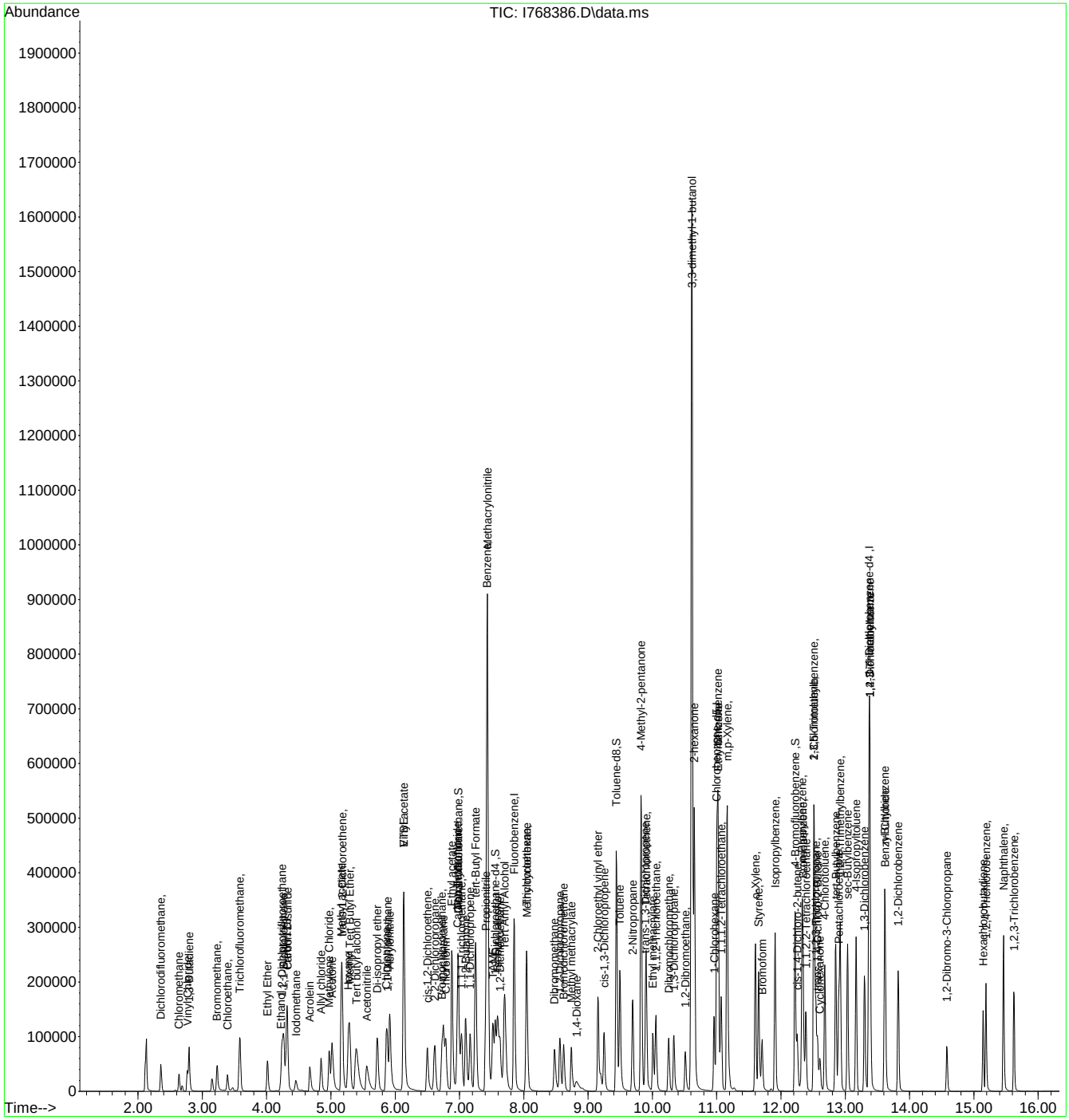
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) 1,2-Dibromo-3-Chloropr...	14.578	75	18072	42.13	ug/L	100
109) Hexachlorobutadiene	15.145	225	20967	43.23	ug/L	98
110) 1,2,4-Trichlorobenzene	15.188	180	53005	42.40	ug/L	96
111) Naphthalene	15.462	128	198594	42.52	ug/L	99
112) 1,2,3-Trichlorobenzene	15.627	180	49527	42.82	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\12-05-24\
Data File : I768386.D
Acq On : 5 Dec 2024 10:00 am
Operator : jeniferw
Sample : ICV3431-5 Inst : VOA16-MSI
Misc : MS58055,VI3431,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 05 11:12:48 2024
Quant Method : C:\msdchem\1\methods\VI3431_12-05-2024.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Dec 05 11:12:39 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\12-23-24\
Data File : I768783.D
Acq On : 23 Dec 2024 9:11 am
Operator : davidw
Sample : CC3431-4 Inst : VOA16-MSI
Misc : MS58197,VI3447,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 23 09:29:16 2024
Quant Method : C:\msdchem\1\methods\VI3431_12-05-2024.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Dec 05 11:12:39 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.848	96	297015	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.000	117	240092	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.365	152	126200	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	6.982	113	85414	47.95	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 95.90%			
49) 1,2-Dichloroethane-d4	7.555	65	93961	56.24	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 112.48%			
63) Toluene-d8	9.439	98	293204	48.85	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 97.70%			
86) 4-Bromofluorobenzene	12.219	174	100130	50.51	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.02%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.355	85	33705	26.21	ug/L	100
3) Chloromethane	2.635	50	23437	25.92	ug/L	99
4) Vinyl Chloride	2.763	62	27581	27.62	ug/L	99
5) 1,3-Butadiene	2.794	39	19481	34.75	ug/L	88
6) Bromomethane	3.227	94	18879	25.67	ug/L	96
7) Chloroethane	3.391	64	13068	21.46	ug/L	97
8) Trichlorofluoromethane	3.586	101	58700	22.73	ug/L	96
9) Ethyl Ether	4.007	59	25056	28.88	ug/L	91
10) 1,2-Dichlorotrifluoroe...	4.239	67	34017	30.98	ug/L	94
11) 1,1-Dichloroethene	4.263	61	40051	30.49	ug/L	89
12) Ethanol	4.226	45	19487	702.71	ug/L	99
13) Freon 113	4.312	101	27128	26.24	ug/L	97
14) Carbon Disulfide	4.324	76	65369	22.99	ug/L	99
15) Iodomethane	4.452	142	17707	19.76	ug/L	95
16) Acrolein	4.672	56	33699	135.88	ug/L	100
17) Allyl chloride	4.848	41	24889	29.10	ug/L	95
18) Methylene Chloride	4.970	49	27656	25.64	ug/L	91
19) Acetone	5.019	43	89194	147.58	ug/L	90
20) Methyl acetate	5.159	43	150612	145.64	ug/L	94
21) trans-1,2-Dichloroethene	5.178	61	31820	26.68	ug/L	97
22) Hexane	5.269	56	17576	29.12	ug/L	88
23) Methyl Tert Butyl Ether	5.293	73	77217	23.86	ug/L	96
24) Tert butyl alcohol	5.385	59	115126	237.31	ug/L	93
25) Acetonitrile	5.555	41	54614	275.97	ug/L	99
26) Di-isopropyl ether	5.720	45	62564	28.30	ug/L	93
27) Chloroprene	5.860	53	28424	29.12	ug/L	92
28) 1,1-Dichloroethane	5.879	63	42457	26.39	ug/L	98
29) Acrylonitrile	5.915	53	89831	148.01	ug/L	97
30) ETBE	6.129	59	75272	26.63	ug/L	95
31) Vinyl acetate	6.135	43	272112	150.61	ug/L	95
32) cis-1,2-Dichloroethene	6.500	96	27691	23.59	ug/L	90
33) 2,2-Dichloropropane	6.616	77	37734	25.43	ug/L	98
34) Bromochloromethane	6.726	128	15107	26.12	ug/L	88
35) Cyclohexane	6.750	56	35280	29.11	ug/L	93
36) Chloroform	6.787	83	49486	25.10	ug/L	98
37) Ethyl acetate	6.878	43	217407	156.69	ug/L	96
38) Tetrahydrofuran	6.976	42	18217	28.98	ug/L	89
40) Carbon Tetrachloride	6.970	117	35961	23.23	ug/L	98
41) 1,1,1-Trichloroethane	7.031	97	42474	24.53	ug/L	96
42) 2-Butanone	7.092	43	132956	151.36	ug/L	92
43) 1,1-Dichloropropene	7.165	75	31036	26.87	ug/L	96
44) tert-Butyl Formate	7.250	59	104871	123.83	ug/L	89

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\12-23-24\
Data File : I768783.D
Acq On : 23 Dec 2024 9:11 am
Operator : davidw
Sample : CC3431-4 Inst : VOA16-MSI
Misc : MS58197,VI3447,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 23 09:29:16 2024
Quant Method : C:\msdchem\1\methods\VI3431_12-05-2024.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Dec 05 11:12:39 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45)	Propionitrile	7.403	54	86555	303.42	ug/L		97
46)	Methacrylonitrile	7.433	41	242183	322.52	ug/L		95
47)	Benzene	7.427	78	105140	26.55	ug/L		89
48)	TAME	7.519	73	82364	26.08	ug/L		95
50)	Isobutyl alcohol	7.592	42	43006	569.08	ug/L		96
51)	1,2-Dichloroethane	7.628	62	38669	29.58	ug/L		99
52)	Tert Amyl Alcohol	7.695	59	101335	257.59	ug/L		93
53)	Trichloroethene	8.043	95	29344	25.27	ug/L		94
54)	Methylcyclohexane	8.049	83	41504	26.24	ug/L		97
55)	Dibromomethane	8.482	93	19958	26.07	ug/L		99
56)	1,2-Dichloropropane	8.561	63	23652	27.74	ug/L		94
57)	Bromodichloromethane	8.622	83	36149	25.51	ug/L		97
58)	Methyl methacrylate	8.738	41	23758	29.30	ug/L		85
59)	1,4-Dioxane	8.811	88	20201	518.41	ug/L		89
60)	2-Chloroethyl vinyl ether	9.158	63	54943	130.80	ug/L		96
61)	cis-1,3-Dichloropropene	9.250	75	40427	26.48	ug/L		91
64)	Toluene	9.494	91	109001	24.06	ug/L		97
65)	2-Nitropropane	9.695	41	43597	96.79	ug/L	#	84
66)	4-Methyl-2-pentanone	9.823	43	231462	156.23	ug/L		96
67)	trans-1,3-Dichloropropene	9.890	75	40036	24.92	ug/L		93
68)	Tetrachloroethene	9.908	166	31571	24.55	ug/L		99
69)	Ethyl methacrylate	10.006	69	38079	26.19	ug/L		89
70)	1,1,2-Trichloroethane	10.055	83	23474	26.49	ug/L		93
71)	Dibromochloromethane	10.256	129	30775	23.52	ug/L		98
72)	1,3-Dichloropropane	10.335	76	42346	26.10	ug/L		92
73)	1,2-Dibromoethane	10.512	107	31815	25.49	ug/L		94
74)	3,3-dimethyl-1-butanol	10.609	57	523195	1339.72	ug/L		96
75)	2-hexanone	10.652	43	210095	162.92	ug/L		94
76)	1-Chlorohexane	10.957	91	36673	25.96	ug/L		86
77)	Ethylbenzene	11.024	91	133297	25.60	ug/L		98
78)	Chlorobenzene	11.018	112	79803	25.13	ug/L		94
79)	1,1,1,2-Tetrachloroethane	11.067	131	28448	24.48	ug/L		98
80)	m,p-Xylene	11.164	91	200718	51.40	ug/L		97
81)	o-Xylene	11.603	91	105645	26.21	ug/L		99
82)	Styrene	11.652	104	74106	26.06	ug/L		98
83)	Bromoform	11.707	173	22721	21.27	ug/L		98
84)	Isopropylbenzene	11.908	105	122481	24.71	ug/L		98
87)	cis-1,4-Dichloro-2-butene	12.255	53	11450	26.71	ug/L	#	87
88)	n-Propylbenzene	12.329	91	143611	25.24	ug/L		99
89)	Bromobenzene	12.347	156	32601	24.06	ug/L		89
90)	1,1,2,2-Tetrachloroethane	12.383	83	46000	25.16	ug/L		97
91)	1,3,5-Trimethylbenzene	12.511	105	100501	24.44	ug/L		99
92)	2-Chlorotoluene	12.518	91	95555	24.44	ug/L		100
93)	trans-1,4-Dichloro-2-B...	12.566	53	10919	27.72	ug/L	#	76
94)	1,2,3-Trichloropropane	12.542	110	15894	24.85	ug/L		91
95)	Cyclohexanone	12.603	55	16758	156.77	ug/L		90
96)	4-Chlorotoluene	12.682	91	83550	23.88	ug/L		97
97)	tert-Butylbenzene	12.853	91	54446	23.44	ug/L		97
98)	1,2,4-Trimethylbenzene	12.920	105	98335	24.88	ug/L		98
99)	Pentachloroethane	12.902	167	16907	24.92	ug/L		96
100)	sec-Butylbenzene	13.036	105	125272	25.00	ug/L		99
101)	4-Isopropyltoluene	13.170	119	102093	24.13	ug/L		98
102)	1,3-Dichlorobenzene	13.298	146	56690	24.04	ug/L		98
103)	1,2,3-Trimethylbenzene	13.383	105	107059	24.87	ug/L		96
104)	1,4-Dichlorobenzene	13.383	146	61264	23.44	ug/L		98
105)	n-Butylbenzene	13.615	92	54845	28.17	ug/L		86
106)	Benzyl Chloride	13.627	126	15769	24.39	ug/L	#	84
107)	1,2-Dichlorobenzene	13.822	146	60860	26.57	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\12-23-24\
Data File : I768783.D
Acq On : 23 Dec 2024 9:11 am
Operator : davidw
Sample : CC3431-4 Inst : VOA16-MSI
Misc : MS58197,VI3447,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 23 09:29:16 2024
Quant Method : C:\msdchem\1\methods\VI3431_12-05-2024.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Dec 05 11:12:39 2024
Response via : Initial Calibration

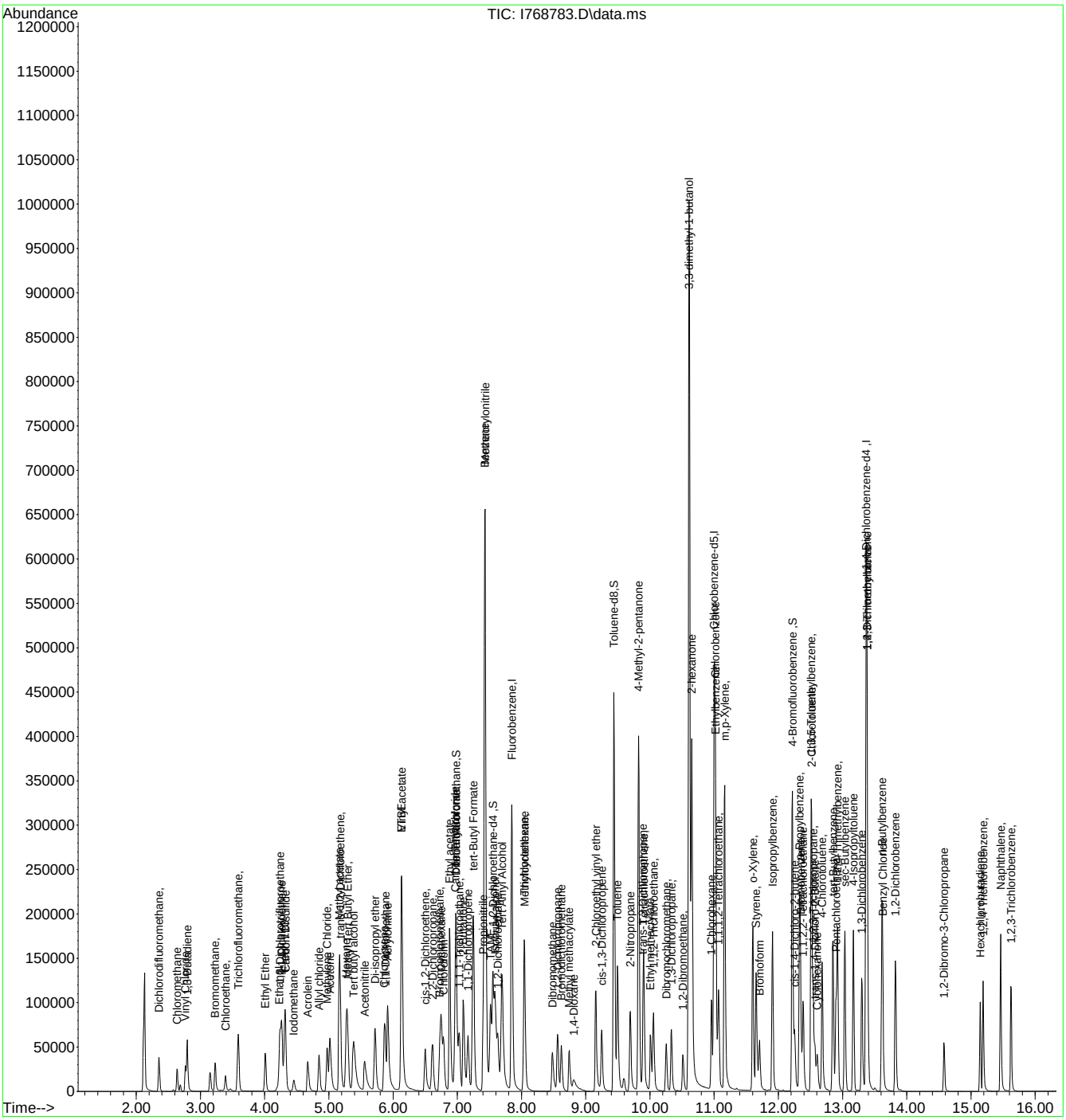
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) 1,2-Dibromo-3-Chloropr...	14.578	75	12515	28.30	ug/L	93
109) Hexachlorobutadiene	15.145	225	14832	29.67	ug/L	98
110) 1,2,4-Trichlorobenzene	15.188	180	35986	27.92	ug/L	99
111) Naphthalene	15.462	128	123450	25.64	ug/L	100
112) 1,2,3-Trichlorobenzene	15.627	180	33141	27.79	ug/L	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\12-23-24\
Data File : I768783.D
Acq On : 23 Dec 2024 9:11 am
Operator : davidw
Sample : CC3431-4 Inst : VOA16-MSI
Misc : MS58197,VI3447,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 23 09:29:16 2024
Quant Method : C:\msdchem\1\methods\VI3431_12-05-2024.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Dec 05 11:12:39 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3447\
Data File : I768809.d
Acq On : 23 Dec 2024 8:06 pm
Operator : davidw
Sample : ECC3431-4 Inst : VOA16-MSI
Misc : MS58202,VI3447,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 24 08:59:22 2024
Quant Method : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3431_12-05-20
... 24.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Dec 05 11:12:39 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.854	96	312011	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.006	117	255183	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.371	152	133648	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	6.988	113	87049	46.52	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 93.04%			
49) 1,2-Dichloroethane-d4	7.561	65	97592	55.61	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 111.22%			
63) Toluene-d8	9.445	98	309726	48.55	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 97.10%			
86) 4-Bromofluorobenzene	12.219	174	106551	50.76	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.52%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.355	85	33250	24.6115	ug/L	97
3) Chloromethane	2.641	50	25266	26.5994	ug/L	98
4) Vinyl Chloride	2.769	62	29632	28.2513	ug/L	99
5) 1,3-Butadiene	2.794	39	22736	38.6036	ug/L	88
6) Bromomethane	3.233	94	15893	20.5698	ug/L	97
7) Chloroethane	3.397	64	13026	20.3670	ug/L	97
8) Trichlorofluoromethane	3.592	101	55446	20.4365	ug/L	98
9) Ethyl Ether	4.019	59	26035	28.5682	ug/L	96
10) 1,2-Dichlorotrifluoroe...	4.245	67	29882	25.9096	ug/L	93
11) 1,1-Dichloroethene	4.269	61	35204	25.5151	ug/L	94
12) Ethanol	4.208	45	17682	602.4852	ug/L	86
13) Freon 113	4.318	101	25850	23.8008	ug/L	97
14) Carbon Disulfide	4.324	76	63002	21.0899	ug/L	97
15) Iodomethane	4.458	142	21847	23.2601	ug/L	96
16) Acrolein	4.678	56	33669	129.2344	ug/L	99
17) Allyl chloride	4.848	41	25016	27.8422	ug/L	90
18) Methylene Chloride	4.976	49	29060	25.6515	ug/L	87
19) Acetone	5.019	43	94084	148.1862	ug/L	93
20) Methyl acetate	5.165	43	163401	150.4109	ug/L	93
21) trans-1,2-Dichloroethene	5.184	61	32391	25.8530	ug/L	93
22) Hexane	5.275	56	16752	26.4204	ug/L #	82
23) Methyl Tert Butyl Ether	5.293	73	79612	23.4152	ug/L	89
24) Tert butyl alcohol	5.391	59	129089	253.3044	ug/L	95
25) Acetonitrile	5.562	41	57057	274.3510	ug/L	98
26) Di-isopropyl ether	5.726	45	64153	27.6207	ug/L	93
27) Chloroprene	5.866	53	28102	27.4067	ug/L	94
28) 1,1-Dichloroethane	5.885	63	42840	25.3477	ug/L	95
29) Acrylonitrile	5.921	53	92783	145.5245	ug/L	94
30) ETBE	6.135	59	77731	26.1826	ug/L	93
31) Vinyl acetate	6.141	43	282202	148.7802	ug/L	95
32) cis-1,2-Dichloroethene	6.507	96	28399	23.0257	ug/L	89
33) 2,2-Dichloropropane	6.616	77	35705	22.9025	ug/L	98
34) Bromochloromethane	6.732	128	15708	25.8500	ug/L	87
35) Cyclohexane	6.750	56	35628	27.9867	ug/L	90
36) Chloroform	6.793	83	50199	24.2358	ug/L	97
37) Ethyl acetate	6.884	43	232036	159.1970	ug/L	95
38) Tetrahydrofuran	6.976	42	19594	29.6715	ug/L	84
40) Carbon Tetrachloride	6.970	117	36673	22.5534	ug/L	96
41) 1,1,1-Trichloroethane	7.037	97	42239	23.2239	ug/L	98
42) 2-Butanone	7.098	43	143700	155.7244	ug/L	91
43) 1,1-Dichloropropene	7.171	75	31298	25.7936	ug/L	93

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3447\
Data File : I768809.d
Acq On : 23 Dec 2024 8:06 pm
Operator : davidw
Sample : ECC3431-4 Inst : VOA16-MSI
Misc : MS58202,VI3447,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 24 08:59:22 2024
Quant Method : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3431_12-05-20
... 24.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Dec 05 11:12:39 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	tert-Butyl Formate	7.250	59	106540	119.7551	ug/L		86
45)	Propionitrile	7.409	54	93586	312.2978	ug/L		99
46)	Methacrylonitrile	7.433	41	260387	330.0936	ug/L		95
47)	Benzene	7.427	78	108546	26.0912	ug/L		92
48)	TAME	7.525	73	85290	25.7105	ug/L		95
50)	Isobutyl alcohol	7.592	42	49135	618.9302	ug/L		97
51)	1,2-Dichloroethane	7.634	62	39300	28.6131	ug/L		96
52)	Tert Amyl Alcohol	7.701	59	110529	267.4521	ug/L		95
53)	Trichloroethene	8.049	95	29670	24.3188	ug/L		94
54)	Methylcyclohexane	8.049	83	40827	24.5695	ug/L		92
55)	Dibromomethane	8.482	93	20586	25.5964	ug/L		95
56)	1,2-Dichloropropane	8.567	63	25402	28.3653	ug/L		95
57)	Bromodichloromethane	8.622	83	37117	24.9366	ug/L		96
58)	Methyl methacrylate	8.744	41	26367	30.9519	ug/L		87
59)	1,4-Dioxane	8.817	88	20804	508.3917	ug/L		87
60)	2-Chloroethyl vinyl ether	9.158	63	56924	128.9194	ug/L		92
61)	cis-1,3-Dichloropropene	9.250	75	40637	25.3343	ug/L		92
64)	Toluene	9.500	91	113579	23.5848	ug/L		98
65)	2-Nitropropane	9.695	41	45967	96.0174	ug/L	#	86
66)	4-Methyl-2-pentanone	9.823	43	248959	158.1027	ug/L		96
67)	trans-1,3-Dichloropropene	9.896	75	40608	23.7772	ug/L		93
68)	Tetrachloroethene	9.908	166	34397	25.1692	ug/L		97
69)	Ethyl methacrylate	10.012	69	41337	26.7507	ug/L		91
70)	1,1,2-Trichloroethane	10.061	83	24341	25.8462	ug/L		90
71)	Dibromochloromethane	10.256	129	31249	22.4688	ug/L		99
72)	1,3-Dichloropropane	10.335	76	44382	25.7412	ug/L		94
73)	1,2-Dibromoethane	10.512	107	33280	25.0862	ug/L		92
74)	3,3-dimethyl-1-butanol	10.609	57	587349	1415.0494	ug/L		96
75)	2-hexanone	10.652	43	217284	158.5294	ug/L		95
76)	1-Chlorohexane	10.963	91	35063	23.3493	ug/L		82
77)	Ethylbenzene	11.024	91	134730	24.3479	ug/L		97
78)	Chlorobenzene	11.024	112	81873	24.2572	ug/L		95
79)	1,1,1,2-Tetrachloroethane	11.073	131	28835	23.3415	ug/L		96
80)	m,p-Xylene	11.164	91	203624	49.0627	ug/L		98
81)	o-Xylene	11.603	91	104278	24.3429	ug/L		99
82)	Styrene	11.658	104	76963	25.4630	ug/L		98
83)	Bromoform	11.707	173	22205	19.5618	ug/L		98
84)	Isopropylbenzene	11.908	105	125311	23.7854	ug/L		96
87)	cis-1,4-Dichloro-2-butene	12.255	53	10960	24.1450	ug/L	#	83
88)	n-Propylbenzene	12.329	91	145240	24.1024	ug/L		99
89)	Bromobenzene	12.347	156	33959	23.6646	ug/L		88
90)	1,1,2,2-Tetrachloroethane	12.390	83	48650	25.1297	ug/L		96
91)	1,3,5-Trimethylbenzene	12.511	105	103522	23.7753	ug/L		98
92)	2-Chlorotoluene	12.518	91	97947	23.6555	ug/L		98
93)	trans-1,4-Dichloro-2-B...	12.572	53	9876	23.6742	ug/L	#	59
94)	1,2,3-Trichloropropane	12.542	110	16853	24.8827	ug/L		94
95)	Cyclohexanone	12.609	55	17588	155.3677	ug/L		91
96)	4-Chlorotoluene	12.682	91	85583	23.1008	ug/L		96
97)	tert-Butylbenzene	12.853	91	55871	22.7133	ug/L		98
98)	1,2,4-Trimethylbenzene	12.920	105	100616	24.0382	ug/L		98
99)	Pentachloroethane	12.902	167	15373	21.3999	ug/L		95
100)	sec-Butylbenzene	13.036	105	123865	23.3385	ug/L		99
101)	4-Isopropyltoluene	13.170	119	104652	23.3516	ug/L		99
102)	1,3-Dichlorobenzene	13.304	146	57862	23.1681	ug/L		98
103)	1,2,3-Trimethylbenzene	13.383	105	110733	24.2856	ug/L		99
104)	1,4-Dichlorobenzene	13.383	146	61911	22.3718	ug/L		96
105)	n-Butylbenzene	13.615	92	51402	24.9308	ug/L	#	83

Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3447\
Data File : I768809.d
Acq On : 23 Dec 2024 8:06 pm
Operator : davidw
Sample : ECC3431-4 Inst : VOA16-MSI
Misc : MS58202,VI3447,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 24 08:59:22 2024
Quant Method : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3431_12-05-20
... 24.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Dec 05 11:12:39 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
106) Benzyl Chloride	13.627	126	13009	19.3052	ug/L	94
107) 1,2-Dichlorobenzene	13.828	146	58164	23.9791	ug/L	97
108) 1,2-Dibromo-3-Chloropr...	14.578	75	11490	24.5371	ug/L	88
109) Hexachlorobutadiene	15.145	225	12720	24.0238	ug/L	95
110) 1,2,4-Trichlorobenzene	15.188	180	31399	23.0069	ug/L	97
111) Naphthalene	15.462	128	114882	22.5319	ug/L	100
112) 1,2,3-Trichlorobenzene	15.627	180	30279	23.9768	ug/L	99

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

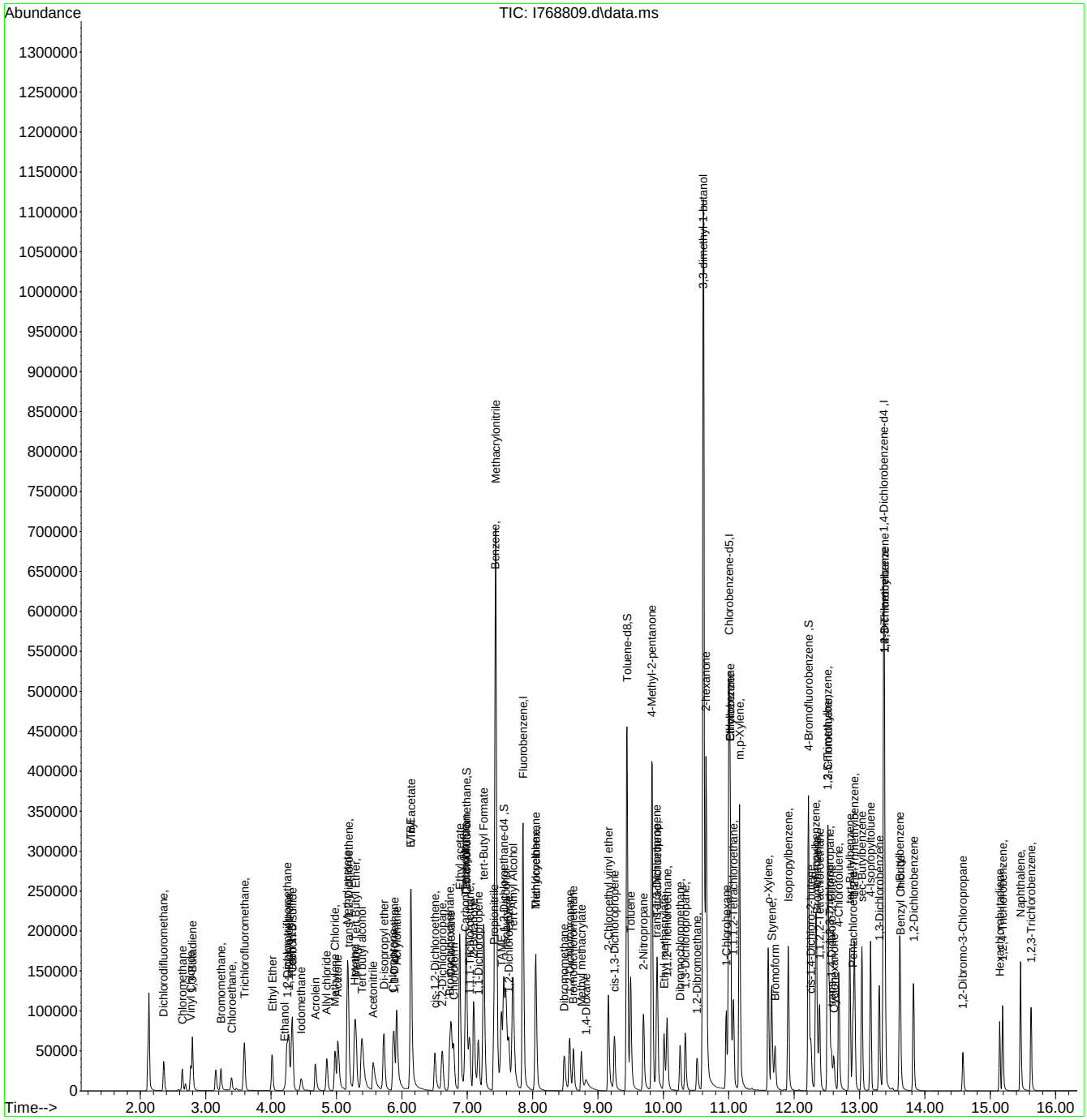
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Quantitation Report (QT Reviewed)

Data Path : R:\GBS Manila Data Validator\VOA GCMS\LotusA\Dec-2024\12-24\VI3447\VI3447\
Data File : I768809.d
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... 24.m
Quant Title : SW-846 Method 5030/8260D & EPA 624.1
QLast Update : Thu Dec 05 11:12:39 2024
Response via : Initial Calibration



SGS -ORLANDO

VOA-GCMS ANALYSIS LOG

Instrument:	MSVOA-16I
Date:	12/05/2024
Analyst:	Jenifer W
Column Type	RTXVMS
Detector	5975C MSD
Purge Pressure	1.3 psi
Purge Volume	5mL

Method(s):	VMS8260
Method File:	VI3431_12-05-2024.M
Calibration Date:	12/05/2024
Acq. Method:	VI_8260
EM Voltage:	1129V
Run ID:	**VI3431**

BFB:	VS4427
ICAL/CC:	VS4410, VS4430, VS4424
VS4423, VS4425, VS4417,VS4415	
ICV/BS:	VS4364, VS4407, VS4395
VS4431, VS4396, VS4416,	
ISTD/Surr.:	VS4427

pH Paper Lot#:	206722/230320
KI Paper Lot#:	14-1860 05/09/2022
AFA Lot#:	VS4405
Data processed by:	Jenifer W
Sample ID Ver. by:	Jenifer W
Date Verified:	12/05/2024

Data File	Sample ID	Dilution Factor	Vial #	Matrix	A.S. Pos.	Work Group	pH	CI? (Y/N)	RR	Comments and Manually Integrated Peaks (Peak # and Rational)
I768376	BFB	-	-	Water	1	-	-	-	-	Autofind Tune Passed ✓
I768377	IC3431-1	-	-	Water	2	-	-	-	-	1uL→100mL with 273uL MeOH ✓
I768378	IC3431-8	-	-	Water	3	-	-	-	-	2uL→100mL with 266uL MeOH ✓
I768379	IC3431-2	-	-	Water	4	-	-	-	-	5uL→100mL with 245uL MeOH ✓
I768380	IC3431-3	-	-	Water	5	-	-	-	-	10uL→100mL with 210uL MeOH ✓
I768381	IC3431-4	-	-	Water	6	-	-	-	-	25uL→100mL with 100uL MeOH ✓
I768382	ICC3431-5	-	-	Water	7	-	-	-	-	40uL→100mL ✓
I768383	IC3431-6	-	-	Water	8	-	-	-	-	70uL→100mL ✓
I768384	IC3431-7	-	-	Water	9	-	-	-	-	100uL→100mL ✓
I768385	rinse	-	-	Water	10	-	-	-	-	
I768386	ICV3431-5	-	-	Water	11	-	-	-	-	40uL→100mL ✓

Matrix: Designate "W" for Water "S" for soil, "O" for Oil, "Liq" for Non-aquous LIquid, and "TCLP" or "SPLP" for Leachate
Manual Integration Rational SOP QA029: MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PII Poor Instrument

SGS -ORLANDO

VOA-GCMS ANALYSIS LOG

Instrument:	MSVOA-16I
Date:	12/23/2024
Analyst:	David W
Column Type	RTXVMS
Detector	5975C MSD
Purge Pressure	1.3 psi
Purge Volume	5mL

Method(s):	VMS8260
Method File:	VI3431_12-05-2024.M
Calibration Date:	12/05/2024
Acq. Method:	VI_8260
EM Voltage:	1129V
Run ID:	**VI3447**

BFB:	VS4427
ICAL/CC:	VS4410, VS4456, VS4460
VS4423, VS4461, VS4462,VS4451	
ICV/BS:	VS4439, VS4446, VS4440
VS4431, VS4441, VS4452,	
ISTD/Surr.:	VS4427

pH Paper Lot#:	206722/230320
KI Paper Lot#:	14-1860 05/09/2022
AFA Lot#:	VS4405
Data processed by:	David W/LotusA
Sample ID Ver. by:	David W
Date Verified:	12/23/2024

Data File	Sample ID	Dilution Factor	Vial #	Matrix	A.S. Pos.	Work Group	pH	CI? (Y/N)	RR	Comments and Manually Integrated Peaks (Peak # and Rational)
I768782	BFB	-	-	Water	1	-	-	-	-	Autofind Tune Passed ✓
I768783	CC3431-4	-	-	Water	2	-	-	-	-	25uL→100mL with 100uL MeOH ✓
I768784	BS	-	-	Water	3	-	-	-	-	25uL→100mL with 100uL MeOH ✓
I768785	rinse	-	-	Water	4	-	-	-	-	
I768786	MB	-	-	Water	5	-	-	-	-	AFA, ND✓
I768787	CC3431-1	-	-	Water	6	-	-	-	-	1uL→100mL ✓
I768788	FC21413-2	-	1	Water	7	MS58202	1	N	-	ND ✓
I768789	FC21413-4	-	1	Water	8	MS58202	1	N	-	ND ✓
I768790	FC21423-1	-	1	Water	9	MS58202	1	N	-	ND ✓
I768791	FC21423-2	-	1	Water	10	MS58202	1	N	-	✓
I768792	FC21423-3	-	1	Water	11	MS58202	1	N	-	ND ✓
I768793	FC21423-4	-	1	Water	12	MS58202	1	N	-	ND ✓
I768794	FC21423-5	-	1	Water	13	MS58202	1	N	-	✓
I768795	FC21423-6	-	1	Water	14	MS58202	1	N	-	✓
I768796	FC21423-7	-	1	Water	15	MS58202	1	N	-	ND ✓
I768797	FC21423-8	-	1	Water	16	MS58202	1	N	-	ND ✓
I768798	FC21423-9	-	1	Water	17	MS58202	1	N	-	✓
I768799	FC21423-10	-	1	Water	18	MS58202	1	N	-	ND ✓
I768800	FC21423-11	-	1	Water	19	MS58202	1	N	-	ND ✓
I768801	FC21423-12	-	1	Water	20	MS58202	1	N	-	ND ✓
I768802	FC21423-13	-	1	Water	21	MS58202	1	N	-	ND ✓
I768803	FC21423-14	-	1	Water	22	MS58202	1	N	-	ND ✓
I768804	FC21465-2	-	1	Water	23	MS58202	1	N	-	ND ✓
I768805	FC21413-1	-	1	Water	24	MS58202	1	N	-	ND ✓
I768806	FC21413-3	-	1	Water	25	MS58202	1	N	-	ND ✓
I768807	FC21423-8MS	-	2	Water	26	MS58202	1	N	-	Spiked 10uL → 40 mL
I768808	FC21423-8MSD	-	3	Water	27	MS58202	1	N	-	Spiked 10uL → 40 mL
I768809	ECC3431-4	-	-	Water	28	-	-	-	-	25uL→100mL with 100uL MeOH ✓

Matrix: Designate "W" for Water "S" for soil, "O" for Oil, "Liq" for Non-aquous LIquid, and "TCLP" or "SPLP" for Leachate
Manual Integration Rational SOP QA029: MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PII Poor Instrument