



Sent via electronic mail (michael.maccabe@dec.ny.gov)

June 13, 2023

Michael D. MacCabe, P.E.
Senior Environmental Engineer
Division of Environmental Remediation
NYS Department of Environmental Conservation
625 Broadway, 12th Floor
Albany, NY 12233-7016

**Re: Annual Groundwater Monitoring Report
388 Bridge Street Site - Brooklyn, New York
BCP Site #C224134**

Dear Mr. MacCabe:

Fleming-Lee Shue Environmental Engineering and Geology, D.P.C. (FLS) presents this Annual Groundwater Monitoring Report for the 388 Bridge Street property (Site) located at 388 Bridge Street in Brooklyn, NY. The Site is currently in Site Management and this groundwater monitoring event was completed in accordance with the New York State Department of Environmental Conservation (NYSDEC) approved Site Management Plan (SMP) dated December 2013 and subsequent SMP Modifications dated October 2016 and July 2019.

Background

Results from subsurface investigations performed by FLS from 2008 to 2010 detected tetrachloroethylene (PCE) in both soil and groundwater. In August 2009, the Site was accepted into the NYSDEC Brownfield Cleanup Program (BCP). Remedial activities were conducted in accordance with the NYSDEC-approved Remedial Action Work Plan dated April 2012. As a part of the approved remedy, on-site structures were demolished and the entire footprint of the site was excavated to a depth of up to 25 feet below surface grade (bsg) in preparation for redevelopment. The BCP Volunteer achieved a Track 2 remedy at the Site. After completion of the remedial work, residual contamination remained on-Site. Therefore, institutional and engineering controls were incorporated into the Site remedy to control exposure to the remaining contamination. This

included the installation of a sub-slab depressurization system (SSDS) within the neighboring 80 Willoughby Property (former St. Joseph's High School) and a soil vapor extraction system (SVE) within the new on-Site building in June 2013. The SVE system was installed to remove Volatile Organic Compounds (VOCs) from soil gas beneath the building slab. The system operated from 2013 through 2016 and included six extraction points (SVE-1, SVE-2, SVE-3, SVE-4, SVE-5 and SVE-6).

In 2016, after monitoring of PCE concentrations and prior approval of NYSDEC, the 2013 SVE system was downsized to limit extraction to where the bulk of the PCE mass remains (SVE-2). Each of the vapor extraction points, except for one location (SVE-2), were converted into groundwater monitoring wells (SVE-MW-1, SVE-MW-3, SVE-MW 4, SVE-MW-5 and SVE-MW-6) to monitor natural attenuation of VOCs. In July 2016 and with the prior approval of NYSDEC (dated July 29, 2016), SVE-MW-3 and SVE-MW-6 were abandoned because they did not extend into the groundwater table and were therefore not usable as groundwater monitoring wells. Off-Site monitoring wells, MW-3 and MW-7, were destroyed during construction activities.

At the time of this report, extraction well SVE-2 continues to operate as a part of the SVE system. Once remediation has been completed, extraction well SVE-2 will be converted to a groundwater monitoring well and serve as the downgradient well. Figure 2 presents the well locations and results from the last four rounds of groundwater sampling.

In its July 2019 Semi-Annual Groundwater Monitoring Report, FLS recommended a reduction in the frequency of groundwater monitoring from semi-annual to annual based on stable concentrations of PCE and TCE on-Site. NYSDEC approved this reduction in an email, dated July 18, 2019. The SMP was subsequently updated to reflect this amendment.

Geology and Hydrogeology

Geology

Regionally, Brooklyn at the western end of Long Island is underlain by sedimentary layers that strike northeast and are inclined gently to the southeast. These layers appear at or near the surface in the vicinity of Long Island Sound, where differential erosion has left relatively tough sands and clays at elevations of more than 60 feet above sea level.

Resting on top of these sands and clays and forming the highest elevation is a belt of glacially deposited debris composed of an unsorted, unstratified mixture of boulders, sand, silt, and clay. This debris was deposited in the interval between 75,000 and 17,000 years ago when the area was covered by a massive sheet of glacial ice. In the vicinity of New York, the ice was moving in a generally southerly direction, bringing with it a huge load of detached bedrock, sediment, and soil that it had scoured from more northerly regions

The geology observed at the Site can be characterized as two major strata groups. The upper stratum is a fill material layer that ranges in thickness from 3 to 17 feet. Beneath the fill layer is a natural glacial till deposit consisting of brown to red-brown, fine- to coarse-grained sand with trace cobbles and boulders.

Hydrology

Historically, groundwater has been encountered at approximately 43 to 45 feet below ground surface. Local groundwater flow during this sampling event was to the north-northeast. This localized groundwater flow direction may be influenced by the subway tunnels located north and southwest of the Site and pumping operations at a Metropolitan Transportation Authority (MTA) de-watering station located within 1.5 miles northeast of the Site. Figure 3 presents a groundwater contour map.

Groundwater Monitoring Program

The groundwater monitoring program for the Site began in March 2016. The groundwater monitoring program was implemented to monitor natural attenuation of VOCs in groundwater following the downsizing of the SVE system. The SVE system, installed in 2013, was downsized and modified in 2016 to target the area where the bulk of the contaminant mass remains, primarily in the area of well SVE-2. Selected soil vapor extraction wells were converted to monitoring wells and included in the groundwater monitoring program. The objectives of the groundwater monitoring program include the following:

- Provide a current round of groundwater analytical data from the monitoring wells;
- Evaluate the existing and time-based groundwater conditions at the Site; and
- Evaluate the time-based trends of VOCs.

The groundwater monitoring program involves the following activities:

- Measurement of groundwater field parameters including depth to water, pH, dissolved oxygen (DO), total dissolved solids (TDS), conductivity, oxidation-reduction potential (ORP), turbidity, salinity, and temperature to determine groundwater conditions;
- Collection of groundwater samples for VOCs to evaluate chlorinated VOC concentration trends and monitor natural attenuation;
- Collection of groundwater samples for geochemical parameters including nitrate, nitrite, sulfate, iron (II), total organic carbon, and dissolved organic carbon to evaluate evidence supporting natural attenuation.

Groundwater Sampling Procedures

On March 28, 2023, groundwater samples were collected from the three (3) on-Site monitoring wells (SVE-MW-1, SVE-MW 4, and SVE-MW-5). Prior to sampling, FLS screened the well headspace for VOCs with a MiniRAE 3000 Photoionization detector (PID) and collected depth to water measurements. Based on depth to water measurements, groundwater flow is estimated to be to the north-northeast (Figure 3). Groundwater samples were collected using the low-flow sampling method (EPA Low-Flow Groundwater Sampling Procedures, April 1996). Each monitoring well was purged prior to sampling using a peristaltic pump until groundwater parameters (temperature, pH, DO, conductivity, ORP, TDS, and turbidity) stabilized, or three well volumes were purged. Water-quality measurements were monitored using a Horiba U-52 multi-parameter water-quality meter. The monitoring well purge logs are included in Appendix A.

After the stabilization of the groundwater parameters, samples were collected via dedicated pump tubing directly into laboratory-supplied containers. After sample collection each container was labeled, placed on ice in an insulated cooler and transported under chain-of-custody protocol to SGS/Accutest Laboratories of Dayton, New Jersey, a New York Environmental Laboratory Approval Program Certified Laboratory. The groundwater samples were analyzed for Target Compounds List VOCs by EPA Method 8260C and several geochemical parameters.

Summary of Analytical Results

The groundwater analytical results, from this event and the past ten sampling events, were compared to the NYSDEC Division of Water Technical and Operational Guidance Series 1.1.1 Ambient Water Quality Standards and Guidance Values (TOGS) and are summarized in Table 1. The laboratory data report for this most recent event is provided in Appendix B.

Overall, the groundwater analytical results were non-detect for all VOCs with the exception of chlorinated solvent PCE and its associated daughter products. Analytical results indicate that PCE remain at similar concentrations to previous events with the exception of SVE-MW-5 where PCE was non-detect for the first time since monitoring began in March 2016. PCE only exceeded the TOGS standard of 5 µg/L at SVE-MW-4 (15 µg/L) this event and was the only detection above its standard in all three samples. PCE was detected in monitoring well SVE-MW-1 just under the TOGS standard at 4.9 µg/L. Concentrations of trichloroethylene (TCE) and cis-1, 2-dichloroethylene continue to remain below the TOGS standards (5 µg/L) in all three monitoring wells. Chloroform, which has historically been observed on Site, was detected in all monitoring wells, but remained well below the TOGS standard of 7 µg/L.

An overview of the trends of PCE and TCE concentrations from March 2016 to March 2023 is presented in the attached graphs. Analytical results from this event show that PCE concentrations generally remained at similar low-level concentrations with decreases observed in SVE-MW-4 (28.8 µg/L to 15 µg/L) and in SVE-MW-5 (21.4 µg/L to non-detect). Overall PCE concentrations remain well below historical maximum concentrations of 72 µg/L in SVE-MW-4 and 39.3 µg/L in SVE-MW-5 in September 2018. TCE concentrations have remained below the 5 µg/L TOGS standard in all wells since September 2017, and continue to display an asymptotic trend.

Conclusions and Recommendations

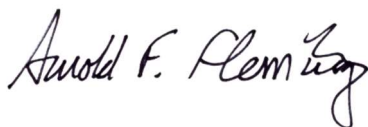
Overall, groundwater results were non-detect for all VOCs on Site with the exception of chlorinated solvent PCE and its associated daughter products. That said, concentrations of chlorinated VOCs have largely remained at similar or lower concentrations within all three monitoring wells. PCE decreased in SVE-MW-5 to non-detect for the first time since groundwater monitoring began in March 2016. The only exceedance from this sampling event was of PCE in SVE-MW-4 at a concentration of 15 µg/L, but overall concentrations remain well below historical maximums from September 2018 and have been at or approaching asymptotic levels since groundwater monitoring began in 2016. TCE, cis-1, 2 DCE and Chloroform concentrations remain below their respective TOGS standards in all monitoring wells.

FLS recommends continuing groundwater monitoring on an annual basis in order to monitor natural attenuation trends on Site and assess groundwater quality.

Please contact us with any comments or questions.

Sincerely,

Fleming-Lee Shue Environmental Engineering and Geology, D.P.C.



Arnold Fleming
President

cc:	Roger Fortune	Stahl Realty
	Jennifer Coghlan, Esq.	Sive, Paget & Riesel
	Joel Kane	Fleming-Lee-Shue, D.P.C.

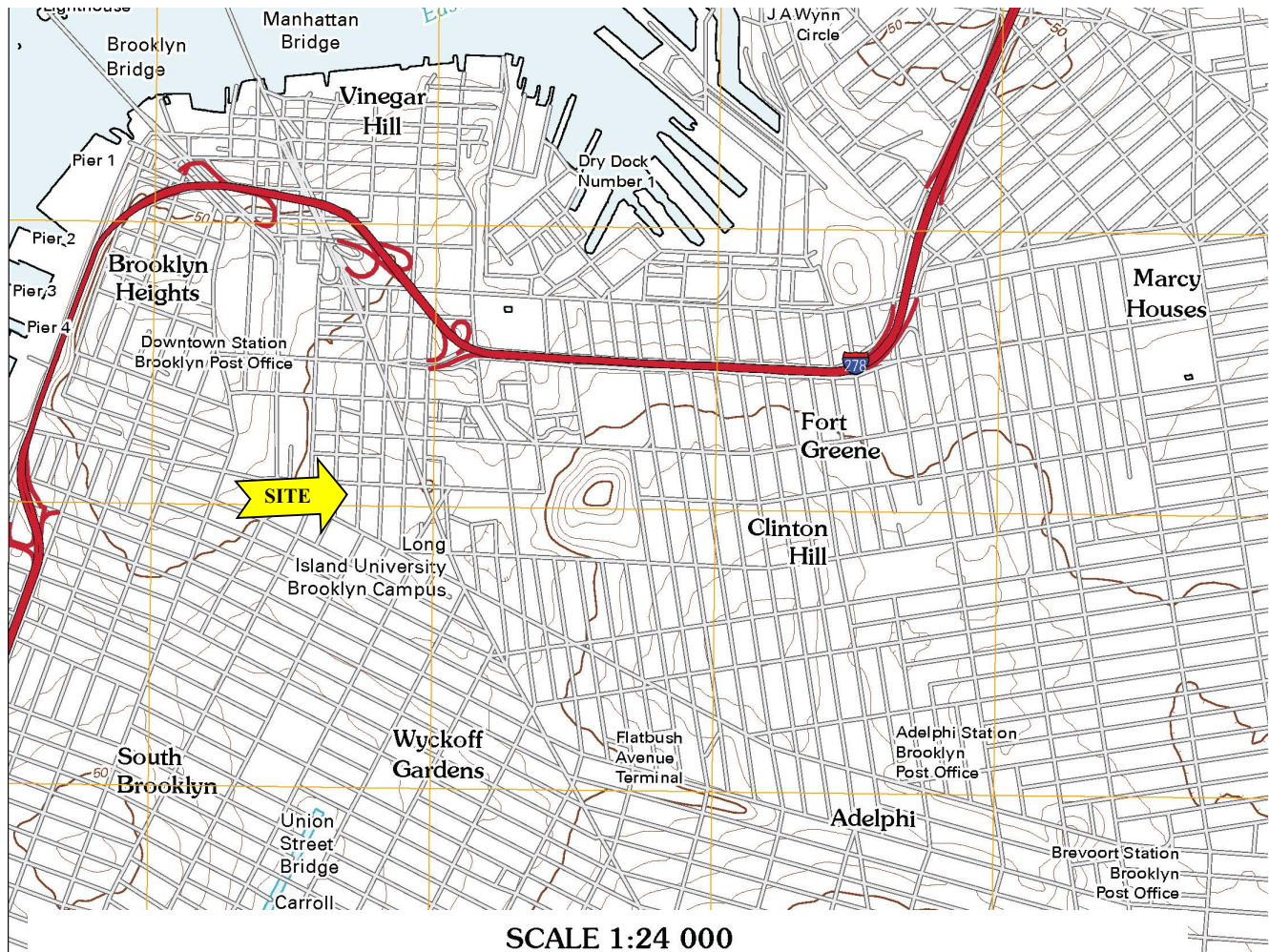
enc: Table 1 Groundwater Sampling Analytical Results

Figure 1 Site Location Map

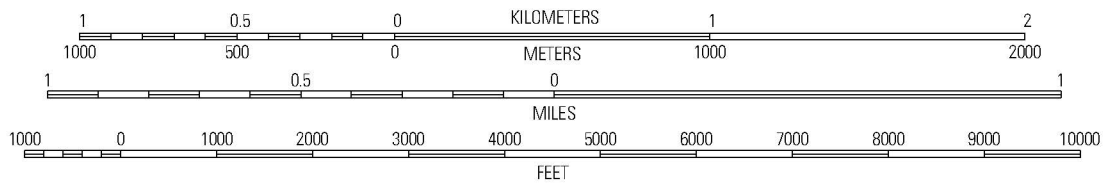
Figure 2	Site Plan and Groundwater Sampling Results
Figure 3	Groundwater Contour Map
Graphs	PCE and TCE Concentration Trends
Appendix A	Monitoring Well Purge Logs
Appendix B	Laboratory Analytical Data Report

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SCALE 1:24 000



CONTOUR INTERVAL 10 FEET

Site: *Brooklyn Quadrangle, New York 7.5 Minute series USGS Topographic Map (79287)*
Obtained from United States Geological Survey topography compiled 2010

FIGURE 1: SITE LOCATION MAP

**Fleming
Lee Shue**

SITE: 388 Bridge Street
 Brooklyn, New York

FILE: P:\10149 - Stahl Real Estate\001 - 388 Bridge St\Figures\Groundwater Sampling\11 - 202301\Figure 2 - Site Plan with GW Summary.dwg DATE: 5/17/2023

Compound	TOGS
Tetrachloroethene	5
Trichloroethene	5
cis-1,2-Dichloroethene	5
Chloroform	7

SVE-MW-4	3/28/2023
Tetrachloroethene	15
Trichloroethene	4.6
cis-1,2-Dichloroethene	1.3
Chloroform	1.4

SVE-MW-5	3/28/2023
Tetrachloroethene	ND
Trichloroethene	1.9
cis-1,2-Dichloroethene	0.62 J
Chloroform	3.2

SVE-MW-1	3/28/2023
Tetrachloroethene	4.9
Trichloroethene	ND
cis-1,2-Dichloroethene	ND
Chloroform	1.2

Saint Joseph
High School



Bridge St.



158 West 29th Street, 9th Fl.
New York, NY 10001

388 Bridge Street
Brooklyn, NY
BCP Site # C224134

Figure 2

Site Plan and
Chlorinated VOCs in
Groundwater

May 2023

Project Number
10149-001

LEGEND

- Site Boundary
- Lot Lines
- ◻ Active SVE Well
- ⊕ Groundwater Monitoring Well
- Vacuum Monitoring Point

Notes:
Concentrations in ug/L
Concentrations in excess of TOGS standards highlighted in blue
J - estimated concentration (detection limit)
ND - not detected (detection limit)



ST. JOSEPH
HIGH SCHOOL



BRIDGE ST.

*Fleming
Lee Shue*

158 West 29th Street, 9th Fl.
New York, NY 10001

388 Bridge Street
Brooklyn, NY
BCP Site # C224134

Figure 3

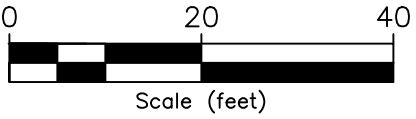
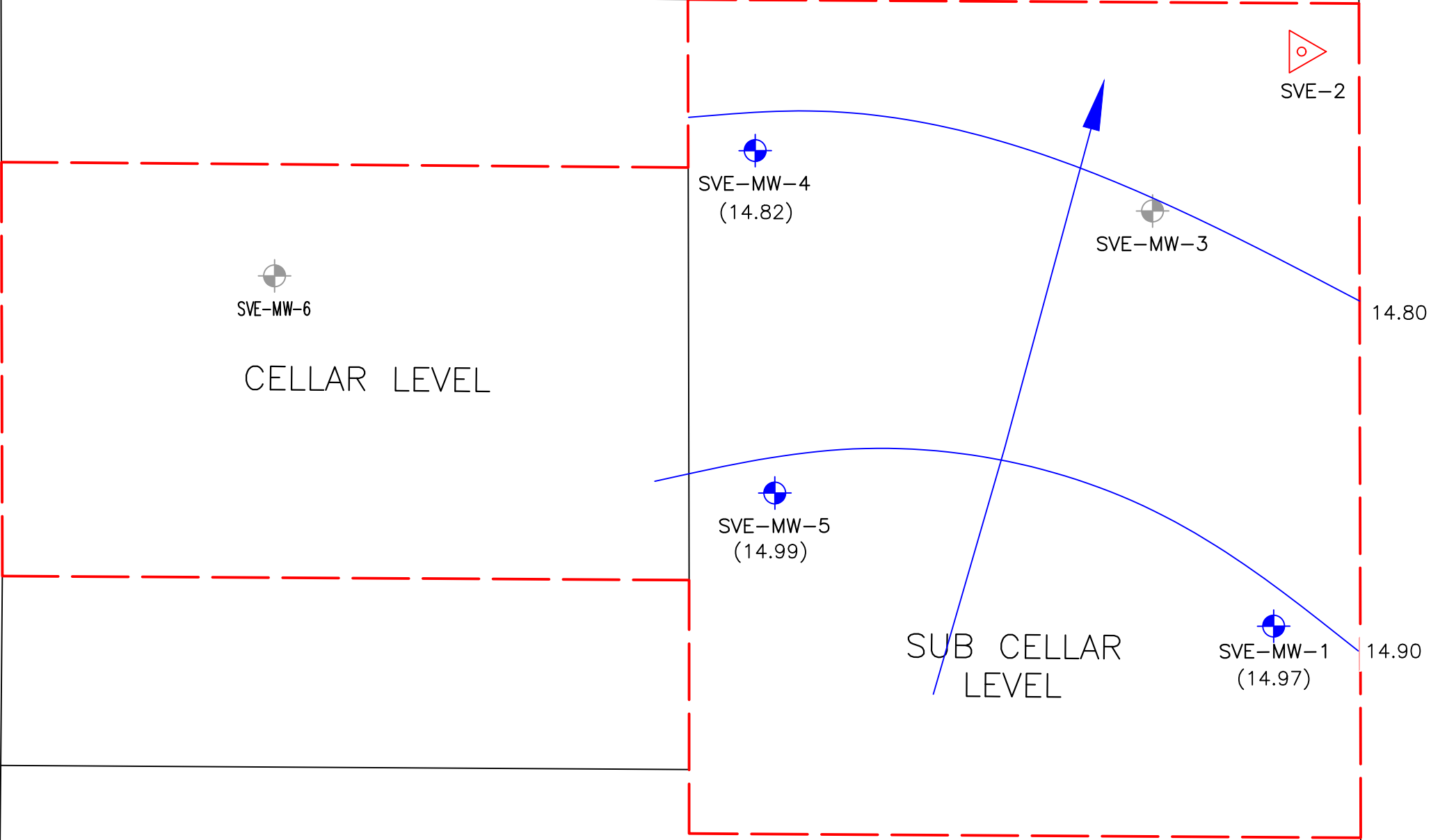
Groundwater
Elevation
Contour

May 2023

Project Number
10149-001

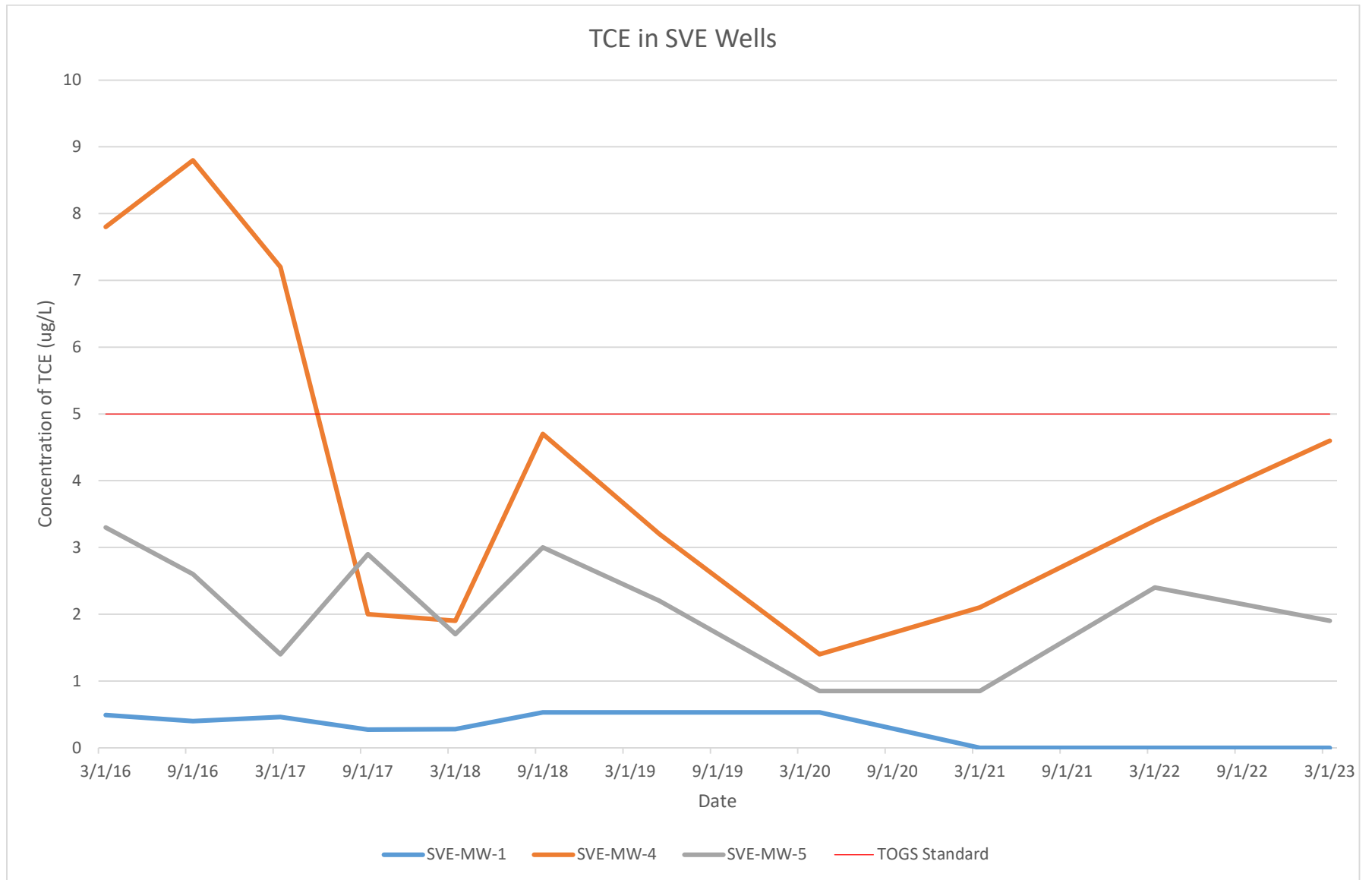
LEGEND

- SITE BOUNDARY
- SVE WELL
- MONITORING WELL
- ABANDONED MONITORING WELL
- GROUNDWATER ELEVATION
- GROUNDWATER FLOW DIRECTION

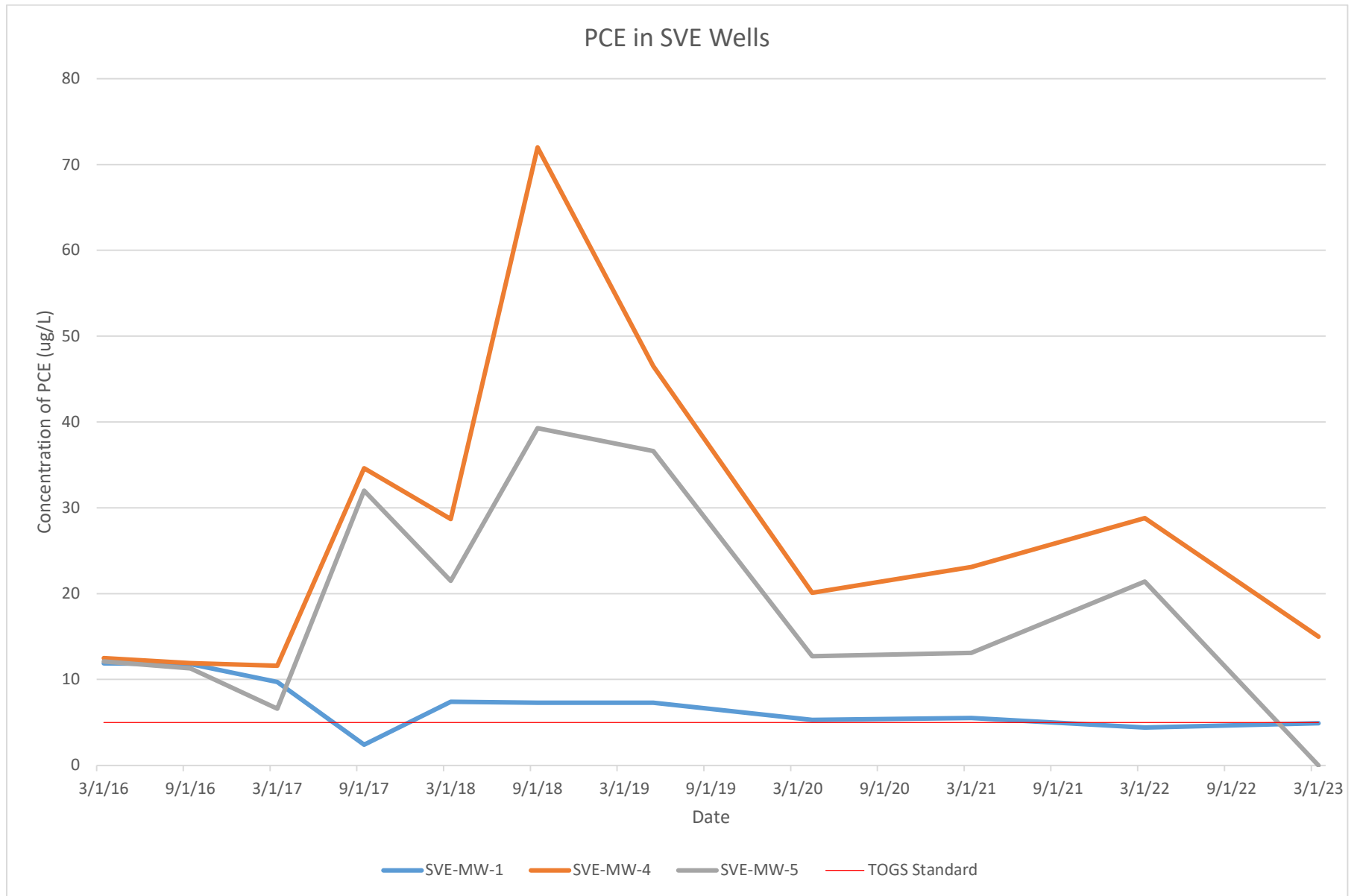


Graphs

Graphs – Contaminant Concentration Trends
Annual Groundwater Report
388 Bridge Street, Brooklyn, NY



Graphs – Contaminant Concentration Trends
Annual Groundwater Report
388 Bridge Street, Brooklyn, NY



Appendix A

Monitoring Well Purge Logs



Environmental Engineering & Geology, D.P.C.
158 West 29th Street, 9FL, New York, New York 10001

Well Purge Log
Project: Stahl Real Estate
Project Location: 388 Bridge St, Brooklyn, NY

Monitoring Well: SVE-MW-1

Well Volume : 1.04 gal

Initial Depth to Water: 17.53 ft-btc

Date: 3/28/2023

Total Gallons Purged: 3.70 gal

Depth to Product: - ft-btc

Time Pump On: 11:15

Average Purge Rate: 297.9 mL/min

Total Depth: 19.13 ft-btc

Time of Sample Collection: 11:55

Purge Method: Peristaltic

Water Column: 1.6 ft

Time Pump Off: 12:02

PID Reading: 0.0 ppm

Well Diameter 4 in

Time	Elapsed Time (min.)	DTW (ft-btc)	Well Volume Purged (gal)	Total Volume Purged (gal)	Temp (°C)	pH (s.u.)	ORP (mV)	Cond (mS/cm)	Turbidity (NTUs)	D.O. (mg/L)	TDS (g/l)	Sal (ppt)	Odor/Color
11:15	0				18.67	8.01	137	1.090	1000+	5.77	0.703	0.054	no odor / brown turbid
11:20	5				18.24	8.15	139	1.110	401	4.89	0.708	0.055	no odor / brown turbid
11:25	10				18.29	8.19	139	1.11	107	4.50	0.709	0.055	no odor / slight brown turbid
11:30	15				18.34	8.10	142	1.08	40	4.11	0.691	0.053	no odor / slight brown turbid
11:35	20				18.35	8.05	144	1.06	42	3.73	0.676	0.052	no odor / slight brown turbid
11:40	25				18.37	8.01	147	1.04	34.1	3.48	0.666	0.051	no odor / slight brown turbid
11:45	30				18.39	7.99	150	1.04	32.1	3.2	0.663	0.051	no odor / slight brown turbid
11:50	35				18.39	7.98	151	1.04	29.7	3.32	0.663	0.051	no odor / slight brown turbid
11:55	40				18.4	7.97	153	1.04	29.9	3.29	0.663	0.051	no odor / slight brown turbid

Allowable Fluctuations: 3% ± 0.1 ± 10 mV 3% 10% if > 5 NTU 10% if >0.5 mg/L
3 rounds if < 5 NTU 3 rounds if < 0.5mg/L

Notes:
ppm = parts per million
min = minutes
DTW = depth to water
ft-btc = feet below top of casing
gal = gallons
T = temperature
°C= degrees celsius

s.u.=standard units
ORP=oxidation reduction potential
mV=millivolts
Cond=conductivity
mS/cm= milliSiemens per centimeter
NTUs=Nephelemetric Turbidity Units
mg/L = milligrams per liter

mL/min = milliliters per minute
TDS = Total Dissolved Solids
g/L = grams per liter
Sal= Salinity
wc = water column

Well Volume (gal) = 5.8752 * D²* WC, where D = well diameter (feet)
Well diameter
Multiply wc by

1"	2"	4"
0.041	0.163	0.653



Well Purge Log
Project: Stahl Real Estate
Project Location: 388 Bridge St, Brooklyn, NY

Monitoring Well: SVE-MW-4

Well Volume : 2.69 gal

Initial Depth to Water: 17.68 ft-btc

Date: 3/28/2023

Total Gallons Purged: 2.50 gal

Depth to Product: - ft-btc

Time Pump On: 10:20

Average Purge Rate: 197.14 mL/min

Total Depth: 21.8 ft-btc

Time of Sample Collection: 10:50

Purge Method: Peristaltic

Water Column: 4.12 ft

Time Pump Off: 10:58

PID Reading: 0.0 ppm

Well Diameter 4 in

Time	Elapsed Time (min.)	DTW (ft-btc)	Well Volume Purged (gal)	Total Volume Purged (gal)	Temp (°C)	pH (s.u.)	ORP (mV)	Cond (mS/cm)	Turbidity (NTUs)	D.O. (mg/L)	TDS (g/l)	Sal (ppt)	Odor/Color
10:20	0				18.12	7.61	149	0.819	0.2	2.85	0.525	0.04	no color / no odor
10:25	5				18.00	7.62	150	0.822	0.0	2.11	0.526	0.04	no color / no odor
10:30	10				17.98	7.61	150	0.822	0.0	1.83	0.526	0.04	no color / no odor
10:35	15				18.00	7.61	150	0.823	0.0	1.75	0.527	0.04	no color / no odor
10:40	20				18.01	7.62	151	0.824	0.0	1.66	0.527	0.04	no color / no odor
10:45	25				18.03	7.62	152	0.824	0.0	1.68	0.527	0.04	no color / no odor
10:50	30				18.04	7.62	152	0.823	0.0	1.71	0.527	0.04	no color / no odor

Allowable Fluctuations: 3% ± 0.1 ± 10 mV 3% 10% if > 5 NTU 10% if >0.5 mg/L
3 rounds if < 5 NTU 3 rounds if < 0.5mg/L

Notes:
ppm = parts per million
min = minutes
DTW = depth to water
ft-btc = feet below top of casing
gal = gallons
T = temperature
°C = degrees celsius

s.u.=standard units
ORP=oxidation reduction potential
mV=millivolts
Cond=conductivity
mS/cm= milliSiemens per centimeter
NTUs=Nephelemetric Turbidity Units
mg/L = milligrams per liter

mL/min = milliliters per minute
TDS = Total Dissolved Solids
g/L = grams per liter
Sal= Salinity
wc = water column

Well Volume (gal) = 5.8752 * D²* WC, where D = well diameter (feet)
Well diameter
Multiply wc by

1"	2"	4"
0.041	0.163	0.653



Well Purge Log
Project: Stahl Real Estate
Project Location: 388 Bridge St, Brooklyn, NY

Monitoring Well: SVE-MW-5

Well Volume : 1.95 gal

Initial Depth to Water: 17.51 ft-btc

Date: 3/28/2023

Total Gallons Purged: 3.40 gal

Depth to Product: - ft-btc

Time Pump On: 9:25

Average Purge Rate: 268.10 mL/min

Total Depth: 20.5 ft-btc

Time of Sample Collection: 10:05

Purge Method: Peristaltic

Water Column: 2.99 ft

Time Pump Off: 10:13

PID Reading: 0.0 ppm

Well Diameter 4 in

Time	Elapsed Time (min.)	DTW (ft-btc)	Well Volume Purged (gal)	Total Volume Purged (gal)	Temp (°C)	pH (s.u.)	ORP (mV)	Cond (mS/cm)	Turbidity (NTUs)	D.O. (mg/L)	TDS (g/l)	Sal (ppt)	Odor/Color
9:25	0				16.29	6.18	198	0.782	12.4	4.16	0.499	0.038	-
9:30	5				17.37	7.05	162	0.746	22.0	3.60	0.477	0.036	no odor / no color
9:35	10				17.59	7.29	154	0.74	23.9	3.57	0.473	0.036	no odor / no color
9:40	15				17.81	7.51	148	0.737	21.1	3.43	0.472	0.036	no odor / no color
9:45	20				17.85	7.57	147	0.736	19.4	3.41	0.471	0.036	no odor / no color
9:50	25				17.97	7.62	147	0.733	11.8	3.61	0.469	0.036	no odor / no color
9:55	30				18.01	7.65	147	0.73	7.0	3.30	0.467	0.036	no odor / no color
10:00	35				18.02	7.66	147	0.729	1.7	3.21	0.467	0.036	no odor / no color
10:05	40				18.03	7.68	148	0.728	0.0	3.18	0.466	0.035	no odor / no color

Allowable Fluctuations: 3% ± 0.1 ± 10 mV 3% 10% if > 5 NTU 10% if >0.5 mg/L
3 rounds if < 5 NTU 3 rounds if < 0.5mg/L

Notes:

ppm = parts per million

min = minutes

DTW = depth to water

ft-btc = feet below top of casing

gal = gallons

T = temperature

°C= degrees celsius

s.u.=standard units

ORP=oxidation reduction potential

mV=millivolts

Cond=conductivity

mS/cm= milliSiemens per centimeter

NTUs=Nephelemetric Turbidity Units

mg/L = milligrams per liter

mL/min = milliliters per minute

TDS = Total Dissolved Solids

g/L = grams per liter

Sal= Salinity

wc = water column

Well Volume (gal) = 5.8752 * D²* WC, where D = well diameter (feet)

Well diameter

Multiply wc by

1"	2"	4"
0.041	0.163	0.653

Appendix B

Laboratory Analytical Data Report

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

e-Hardcopy 2.0
Automated Report

Technical Report for

Fleming-Lee Shue, Inc.

388 Bridge Street, Brooklyn, NY

10188

SGS Job Number: JD62888

Sampling Date: 03/28/23

Report to:

Fleming-Lee Shue, Inc.
158 West 29th Street 9th Floor
New York, NY 10001
joel@flemingleeshue.com

ATTN: Steve Panter

Total number of pages in report: **628**



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.



David Chastain
General Manager

Client Service contact: Tammy McCloskey 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA(68-00408), RI, SC, TX, UT, VA, WV

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Test results relate only to samples analyzed.

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Sample Summary

Fleming-Lee Shue, Inc.

Job No: JD62888

388 Bridge Street, Brooklyn, NY
Project No: 10188

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
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This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

JD62888-1	03/28/23	11:55	BH	03/29/23	AQ	Ground Water	SVE-1
JD62888-1F	03/28/23	11:55	BH	03/29/23	AQ	Groundwater Filtered	SVE-1
JD62888-2	03/28/23	11:50	BH	03/29/23	AQ	Ground Water	SVE-4
JD62888-2F	03/28/23	11:50	BH	03/29/23	AQ	Groundwater Filtered	SVE-4
JD62888-3	03/28/23	10:05	BH	03/29/23	AQ	Ground Water	SVE-5
JD62888-3F	03/28/23	10:05	BH	03/29/23	AQ	Groundwater Filtered	SVE-5
JD62888-4	03/28/23	11:30	BH	03/29/23	AQ	Field Blank Water	FB-1
JD62888-4F	03/28/23	11:30	BH	03/29/23	AQ	Field Blank Filtered	FB-1
JD62888-5	03/28/23	11:55		03/29/23	AQ	Trip Blank Water	TRIP BLANK

CASE NARRATIVE / CONFORMANCE SUMMARY

2

Client: Fleming-Lee Shue, Inc.

Job No: JD62888

Site: 388 Bridge Street, Brooklyn, NY

Report Date 4/7/2023 3:38:20 PM

On 03/29/2023, 3 sample(s), 1 Trip Blank(s), and 2 Field Blank(s) were received at SGS North America Inc. (SGS) at a temperature of 2.1 °C. The samples were intact and properly preserved, unless noted below. An SGS Job Number of JD62888 was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

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: V1R100

- All samples were analyzed within the recommended method holding time.
- Sample(s) JD62953-1MS, JD62953-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike/Matrix Spike Duplicate recovery(s) of Toluene are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- JD62888-4 for Vinyl chloride: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD62888-3 for Vinyl chloride: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD62888-1 for Acetone: Associated CCV outside of control limits high, sample was ND.
- JD62888-1 for Bromomethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD62888-1 for Vinyl chloride: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD62888-4 for Bromomethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD62888-5 for Acetone: Associated CCV outside of control limits high, sample was ND.
- JD62888-5 for Bromomethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD62888-5 for Vinyl chloride: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD62888-2 for Acetone: Associated CCV outside of control limits high, sample was ND.
- JD62888-2 for Bromomethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD62888-2 for Vinyl chloride: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD62888-3 for Acetone: Associated CCV outside of control limits high, sample was ND.
- JD62888-3 for Bromomethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD62888-4 for Acetone: Associated CCV outside of control limits high, sample was ND.

Friday, April 7, 2023

Page 1 of 3

General Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ

Batch ID: GP45907

- All samples were prepared within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD62888-3DUP, JD62888-3MS were used as the QC samples for the Sulfate analysis.

General Chemistry By Method EPA 353.2/LACHAT

Matrix: AQ

Batch ID: GP45893

- All samples were prepared within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD62498-5DUP, JD62498-5MS were used as the QC samples for the Nitrogen, Nitrate + Nitrite analysis.
- The matrix spike (MS) recovery(s) of Nitrogen, Nitrate + Nitrite are outside control limits. Spike recovery indicates possible matrix interference.

General Chemistry By Method EPA353.2/SM4500NO2B

Matrix: AQ

Batch ID: R202695

- The data for EPA353.2/SM4500NO2B meets quality control requirements.
- JD62888-1 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Matrix: AQ

Batch ID: R202696

- The data for EPA353.2/SM4500NO2B meets quality control requirements.
- JD62888-2 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Matrix: AQ

Batch ID: R202697

- The data for EPA353.2/SM4500NO2B meets quality control requirements.
- JD62888-3 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Matrix: AQ

Batch ID: R202698

- The data for EPA353.2/SM4500NO2B meets quality control requirements.
- JD62888-4 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

General Chemistry By Method SM3500FE B-11

Matrix: AQ

Batch ID: GN39908

- All method blanks for this batch meet method specific criteria.
- Sample(s) JD62888-1MS, JD62888-1MSD were used as the QC samples for the Iron, Ferrous analysis.
- JD62888-4 for Iron, Ferrous: Field analysis required. Received out of hold time and analyzed by request.
- JD62888-3 for Iron, Ferrous: Field analysis required. Received out of hold time and analyzed by request.
- JD62888-2 for Iron, Ferrous: Field analysis required. Received out of hold time and analyzed by request.
- JD62888-1 for Iron, Ferrous: Field analysis required. Received out of hold time and analyzed by request.

General Chemistry By Method SM4500NO2 B-11

Matrix: AQ

Batch ID: GN39776

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD62888-1MS, JD62888-1MSD were used as the QC samples for the Nitrogen, Nitrite analysis.

Friday, April 7, 2023

Page 2 of 3

General Chemistry By Method SM5310 B-11

Matrix: AQ**Batch ID:** GP45881

- All samples were prepared within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD62888-2FMS, JD62888-2FMDS were used as the QC samples for the Dissolved Organic Carbon analysis.

General Chemistry By Method SM5310 B-11/14

Matrix: AQ**Batch ID:** GP45861

- All samples were prepared within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD62808-1MS, JD62808-1MSD were used as the QC samples for the Total Organic Carbon analysis.

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

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

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

Summary of Hits

Job Number: JD62888
Account: Fleming-Lee Shue, Inc.
Project: 388 Bridge Street, Brooklyn, NY
Collected: 03/28/23



Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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JD62888-1 SVE-1

Chloroform	1.2	1.0	0.50	ug/l	SW846 8260D
Tetrachloroethene	4.9	1.0	0.56	ug/l	SW846 8260D
Nitrogen, Nitrate ^a	9.2	0.41		mg/l	EPA353.2/SM4500NO2B
Nitrogen, Nitrate + Nitrite	9.2	0.40		mg/l	EPA 353.2/LACHAT
Sulfate	93.5	2.0		mg/l	EPA 300/SW846 9056A
Total Organic Carbon	1.0	1.0		mg/l	SM5310 B-11/14

JD62888-1F SVE-1

Dissolved Organic Carbon	1.0	1.0		mg/l	SM5310 B-11
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JD62888-2 SVE-4

Chloroform	1.4	1.0	0.50	ug/l	SW846 8260D
cis-1,2-Dichloroethene	1.3	1.0	0.51	ug/l	SW846 8260D
Tetrachloroethene	15.0	1.0	0.56	ug/l	SW846 8260D
Trichloroethene	4.6	1.0	0.53	ug/l	SW846 8260D
Nitrogen, Nitrate ^a	5.5	0.21		mg/l	EPA353.2/SM4500NO2B
Nitrogen, Nitrate + Nitrite	5.5	0.20		mg/l	EPA 353.2/LACHAT
Sulfate	79.9	2.0		mg/l	EPA 300/SW846 9056A

JD62888-2F SVE-4

No hits reported in this sample.

JD62888-3 SVE-5

Chloroform	3.2	1.0	0.50	ug/l	SW846 8260D
cis-1,2-Dichloroethene	0.62 J	1.0	0.51	ug/l	SW846 8260D
Trichloroethene	1.9	1.0	0.53	ug/l	SW846 8260D
Nitrogen, Nitrate ^a	7.5	0.31		mg/l	EPA353.2/SM4500NO2B
Nitrogen, Nitrate + Nitrite	7.5	0.30		mg/l	EPA 353.2/LACHAT
Sulfate	96.8	2.0		mg/l	EPA 300/SW846 9056A
Total Organic Carbon	1.1	1.0		mg/l	SM5310 B-11/14

JD62888-3F SVE-5

No hits reported in this sample.

JD62888-4 FB-1

No hits reported in this sample.

Summary of Hits

Job Number: JD62888
Account: Fleming-Lee Shue, Inc.
Project: 388 Bridge Street, Brooklyn, NY
Collected: 03/28/23



Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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JD62888-4F FB-1

No hits reported in this sample.

JD62888-5 TRIP BLANK

No hits reported in this sample.

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Sample Results

Report of Analysis

SGS North America Inc.

Report of Analysis

Page 1 of 2

Client Sample ID:	SVE-1	Date Sampled:	03/28/23
Lab Sample ID:	JD62888-1	Date Received:	03/29/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	388 Bridge Street, Brooklyn, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1R03027.D	1	04/04/23 15:45	NW	n/a	n/a	V1R100
Run #2							

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

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone ^a	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane ^b	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	1.2	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane	ND	130	19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SVE-1	Date Sampled:	03/28/23
Lab Sample ID:	JD62888-1	Date Received:	03/29/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	388 Bridge Street, Brooklyn, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	4.9	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride ^b	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		80-120%
17060-07-0	1,2-Dichloroethane-D4	108%		80-120%
2037-26-5	Toluene-D8	94%		80-120%
460-00-4	4-Bromofluorobenzene	102%		82-114%

(a) Associated CCV outside of control limits high, sample was ND.

(b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SVE-1	Date Sampled:	03/28/23
Lab Sample ID:	JD62888-1	Date Received:	03/29/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	388 Bridge Street, Brooklyn, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Iron, Ferrous ^a	< 0.20	0.20	mg/l	1	04/02/23 13:49	MK	SM3500FE B-11
Nitrogen, Nitrate ^b	9.2	0.41	mg/l	1	03/30/23 15:29	MM	EPA353.2/SM4500NO2B
Nitrogen, Nitrate + Nitrite	9.2	0.40	mg/l	4	03/30/23 15:29	MM	EPA 353.2/LACHAT
Nitrogen, Nitrite	< 0.010	0.010	mg/l	1	03/30/23 08:36	MP	SM4500NO2 B-11
Sulfate	93.5	2.0	mg/l	1	03/30/23 22:25	SS	EPA 300/SW846 9056A
Total Organic Carbon	1.0	1.0	mg/l	1	03/30/23 15:53	MB	SM5310 B-11/14

- (a) Field analysis required. Received out of hold time and analyzed by request.
(b) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

4.1
4

Report of Analysis

Client Sample ID:	SVE-1	Date Sampled:	03/28/23
Lab Sample ID:	JD62888-1F	Date Received:	03/29/23
Matrix:	AQ - Groundwater Filtered	Percent Solids:	n/a
Project:	388 Bridge Street, Brooklyn, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Dissolved Organic Carbon	1.0	1.0	mg/l	1	03/31/23 21:17	MB	SM5310 B-11

RL = Reporting Limit

4.2
4

SGS North America Inc.

Report of Analysis

Page 1 of 2

Client Sample ID:	SVE-4	Date Sampled:	03/28/23
Lab Sample ID:	JD62888-2	Date Received:	03/29/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	388 Bridge Street, Brooklyn, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1R03034.D	1	04/04/23 18:45	NW	n/a	n/a	V1R100
Run #2							

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

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone ^a	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane ^b	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	1.4	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	1.3	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane	ND	130	19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SVE-4	Date Sampled:	03/28/23
Lab Sample ID:	JD62888-2	Date Received:	03/29/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	388 Bridge Street, Brooklyn, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	15.0	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	4.6	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride ^b	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	111%		80-120%
17060-07-0	1,2-Dichloroethane-D4	108%		80-120%
2037-26-5	Toluene-D8	94%		80-120%
460-00-4	4-Bromofluorobenzene	102%		82-114%

(a) Associated CCV outside of control limits high, sample was ND.

(b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SVE-4	Date Sampled:	03/28/23
Lab Sample ID:	JD62888-2	Date Received:	03/29/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	388 Bridge Street, Brooklyn, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Iron, Ferrous ^a	< 0.20	0.20	mg/l	1	04/02/23 13:49	MK	SM3500FE B-11
Nitrogen, Nitrate ^b	5.5	0.21	mg/l	1	03/30/23 15:30	MM	EPA353.2/SM4500NO2B
Nitrogen, Nitrate + Nitrite	5.5	0.20	mg/l	2	03/30/23 15:30	MM	EPA 353.2/LACHAT
Nitrogen, Nitrite	< 0.010	0.010	mg/l	1	03/30/23 08:36	MP	SM4500NO2 B-11
Sulfate	79.9	2.0	mg/l	1	03/30/23 22:39	SS	EPA 300/SW846 9056A
Total Organic Carbon	< 1.0	1.0	mg/l	1	03/30/23 16:04	MB	SM5310 B-11/14

- (a) Field analysis required. Received out of hold time and analyzed by request.
(b) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

4.3
4

Report of Analysis

Client Sample ID:	SVE-4	Date Sampled:	03/28/23
Lab Sample ID:	JD62888-2F	Date Received:	03/29/23
Matrix:	AQ - Groundwater Filtered	Percent Solids:	n/a
Project:	388 Bridge Street, Brooklyn, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Dissolved Organic Carbon	< 1.0	1.0	mg/l	1	03/31/23 19:59	MB	SM5310 B-11

RL = Reporting Limit

4.4
4

SGS North America Inc.

Report of Analysis

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Client Sample ID:	SVE-5	Date Sampled:	03/28/23
Lab Sample ID:	JD62888-3	Date Received:	03/29/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	388 Bridge Street, Brooklyn, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1R03035.D	1	04/04/23 19:10	NW	n/a	n/a	V1R100
Run #2							

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

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone ^a	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane ^b	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	3.2	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	0.62	1.0	0.51	ug/l	J
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane	ND	130	19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SVE-5	Date Sampled:	03/28/23
Lab Sample ID:	JD62888-3	Date Received:	03/29/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	388 Bridge Street, Brooklyn, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	1.9	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride ^b	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		80-120%
17060-07-0	1,2-Dichloroethane-D4	108%		80-120%
2037-26-5	Toluene-D8	94%		80-120%
460-00-4	4-Bromofluorobenzene	102%		82-114%

(a) Associated CCV outside of control limits high, sample was ND.

(b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SVE-5	Date Sampled:	03/28/23
Lab Sample ID:	JD62888-3	Date Received:	03/29/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	388 Bridge Street, Brooklyn, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Iron, Ferrous ^a	< 0.20	0.20	mg/l	1	04/02/23 13:49	MK	SM3500FE B-11
Nitrogen, Nitrate ^b	7.5	0.31	mg/l	1	03/30/23 15:31	MM	EPA353.2/SM4500NO2B
Nitrogen, Nitrate + Nitrite	7.5	0.30	mg/l	3	03/30/23 15:31	MM	EPA 353.2/LACHAT
Nitrogen, Nitrite	< 0.010	0.010	mg/l	1	03/30/23 08:36	MP	SM4500NO2 B-11
Sulfate	96.8	2.0	mg/l	1	03/30/23 21:07	SS	EPA 300/SW846 9056A
Total Organic Carbon	1.1	1.0	mg/l	1	03/30/23 16:15	MB	SM5310 B-11/14

(a) Field analysis required. Received out of hold time and analyzed by request.

(b) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SVE-5	Date Sampled:	03/28/23
Lab Sample ID:	JD62888-3F	Date Received:	03/29/23
Matrix:	AQ - Groundwater Filtered	Percent Solids:	n/a
Project:	388 Bridge Street, Brooklyn, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Dissolved Organic Carbon	< 1.0	1.0	mg/l	1	03/31/23 21:28	MB	SM5310 B-11

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

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Client Sample ID:	FB-1	Date Sampled:	03/28/23
Lab Sample ID:	JD62888-4	Date Received:	03/29/23
Matrix:	AQ - Field Blank Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	388 Bridge Street, Brooklyn, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1R03031.D	1	04/04/23 17:28	NW	n/a	n/a	V1R100
Run #2							

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

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone ^a	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane ^b	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane	ND	130	19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB-1	Date Sampled:	03/28/23
Lab Sample ID:	JD62888-4	Date Received:	03/29/23
Matrix:	AQ - Field Blank Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	388 Bridge Street, Brooklyn, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride ^b	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		80-120%
17060-07-0	1,2-Dichloroethane-D4	106%		80-120%
2037-26-5	Toluene-D8	95%		80-120%
460-00-4	4-Bromofluorobenzene	103%		82-114%

(a) Associated CCV outside of control limits high, sample was ND.

(b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB-1	Date Sampled:	03/28/23
Lab Sample ID:	JD62888-4	Date Received:	03/29/23
Matrix:	AQ - Field Blank Water	Percent Solids:	n/a
Project:	388 Bridge Street, Brooklyn, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Iron, Ferrous ^a	< 0.20	0.20	mg/l	1	04/02/23 13:49	MK	SM3500FE B-11
Nitrogen, Nitrate ^b	< 0.11	0.11	mg/l	1	03/30/23 14:57	MM	EPA353.2/SM4500NO2B
Nitrogen, Nitrate + Nitrite	< 0.10	0.10	mg/l	1	03/30/23 14:57	MM	EPA 353.2/LACHAT
Nitrogen, Nitrite	< 0.010	0.010	mg/l	1	03/30/23 08:36	MP	SM4500NO2 B-11
Sulfate	< 2.0	2.0	mg/l	1	03/30/23 23:30	SS	EPA 300/SW846 9056A
Total Organic Carbon	< 1.0	1.0	mg/l	1	03/30/23 14:35	MB	SM5310 B-11/14

(a) Field analysis required. Received out of hold time and analyzed by request.
(b) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	FB-1	Date Sampled:	03/28/23
Lab Sample ID:	JD62888-4F	Date Received:	03/29/23
Matrix:	AQ - Field Blank Filtered	Percent Solids:	n/a
Project:	388 Bridge Street, Brooklyn, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Dissolved Organic Carbon	< 1.0	1.0	mg/l	1	03/31/23 20:35	MB	SM5310 B-11

RL = Reporting Limit

4.8
4

SGS North America Inc.

Report of Analysis

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Client Sample ID:	TRIP BLANK	Date Sampled:	03/28/23
Lab Sample ID:	JD62888-5	Date Received:	03/29/23
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	388 Bridge Street, Brooklyn, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1R03032.D	1	04/04/23 17:53	NW	n/a	n/a	V1R100
Run #2							

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

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone ^a	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane ^b	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane	ND	130	19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK	Date Sampled:	03/28/23
Lab Sample ID:	JD62888-5	Date Received:	03/29/23
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	388 Bridge Street, Brooklyn, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride ^b	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		80-120%
17060-07-0	1,2-Dichloroethane-D4	109%		80-120%
2037-26-5	Toluene-D8	95%		80-120%
460-00-4	4-Bromofluorobenzene	105%		82-114%

(a) Associated CCV outside of control limits high, sample was ND.

(b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Misc. Forms

5

Custody Documents and Other Forms

Includes the following where applicable:

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



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TM-032223-72
Page 1 of 1
Little Order Control #

5.1

SGS Sample Receipt Summary

Job Number: JD62888

Client: FLEMING-LEE SHUE, INC.

Project: 388 BRIDGE STREET, BROOKLYN, NY

Date / Time Received: 3/29/2023 6:00:00 PM

Delivery Method: IMPULSE

Airbill #s:
Cooler Temps (Raw Measured) °C: Cooler 1: (2.3);

Cooler Temps (Corrected) °C: Cooler 1: (2.1);

Cooler Security
Y or N
Y or N

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

Cooler Temperature
Y or N

- | | |
|---|-----------|
| 1. Temp criteria achieved: ☒ ☐ | IR Gun |
| 2. Cooler temp verification: | |
| 3. Cooler media: | Ice (Bag) |
| 4. No. Coolers: | 1 |

Quality Control Preservation
Y or N
N/A

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

Sample Integrity - Documentation
Y or N

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

Sample Integrity - Condition
Y or N

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

Sample Integrity - Instructions
Y or N
N/A

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

Test Strip Lot #s:	pH 1-12: 231619	pH 12+: 203117A	Other: (Specify)
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Comments

 SM089-03
Rev. Date 12/7/17

JD62888: Chain of Custody

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Internal Sample Tracking Chronicle

Fleming-Lee Shue, Inc.

Job No: JD62888

388 Bridge Street, Brooklyn, NY
Project No: 10188

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JD62888-1 Collected: 28-MAR-23 11:55 By: BH Received: 29-MAR-23 By: JP SVE-1						
JD62888-1	SM4500NO2 B-11	30-MAR-23 08:36	MP			NO2
JD62888-1	EPA353.2/SM4500NO2B-11	30-MAR-23 15:29	MM			NO3O
JD62888-1	EPA 353.2/LACHAT	30-MAR-23 15:29	MM	30-MAR-23	MM	NO32
JD62888-1	SM5310 B-11/14	30-MAR-23 15:53	MB	30-MAR-23	MB	TOC
JD62888-1	EPA 300/SW846 9056A30	30-MAR-23 22:25	SS	30-MAR-23	SS	SO4
JD62888-1	SM3500FE B-11	02-APR-23 13:49	MK			FE2
JD62888-1	SW846 8260D	04-APR-23 15:45	NW			V8260TCL11
JD62888-2 Collected: 28-MAR-23 11:50 By: BH Received: 29-MAR-23 By: JP SVE-4						
JD62888-2	SM4500NO2 B-11	30-MAR-23 08:36	MP			NO2
JD62888-2	EPA353.2/SM4500NO2B-11	30-MAR-23 15:30	MM			NO3O
JD62888-2	EPA 353.2/LACHAT	30-MAR-23 15:30	MM	30-MAR-23	MM	NO32
JD62888-2	SM5310 B-11/14	30-MAR-23 16:04	MB	30-MAR-23	MB	TOC
JD62888-2	EPA 300/SW846 9056A30	30-MAR-23 22:39	SS	30-MAR-23	SS	SO4
JD62888-2	SM3500FE B-11	02-APR-23 13:49	MK			FE2
JD62888-2	SW846 8260D	04-APR-23 18:45	NW			V8260TCL11
JD62888-3 Collected: 28-MAR-23 10:05 By: BH Received: 29-MAR-23 By: JP SVE-5						
JD62888-3	SM4500NO2 B-11	30-MAR-23 08:36	MP			NO2
JD62888-3	EPA353.2/SM4500NO2B-11	30-MAR-23 15:31	MM			NO3O
JD62888-3	EPA 353.2/LACHAT	30-MAR-23 15:31	MM	30-MAR-23	MM	NO32
JD62888-3	SM5310 B-11/14	30-MAR-23 16:15	MB	30-MAR-23	MB	TOC
JD62888-3	EPA 300/SW846 9056A30	30-MAR-23 21:07	SS	30-MAR-23	SS	SO4
JD62888-3	SM3500FE B-11	02-APR-23 13:49	MK			FE2
JD62888-3	SW846 8260D	04-APR-23 19:10	NW			V8260TCL11
JD62888-4 Collected: 28-MAR-23 11:30 By: BH Received: 29-MAR-23 By: JP FB-1						
JD62888-4	SM4500NO2 B-11	30-MAR-23 08:36	MP			NO2
JD62888-4	SM5310 B-11/14	30-MAR-23 14:35	MB	30-MAR-23	MB	TOC
JD62888-4	EPA353.2/SM4500NO2B-11	30-MAR-23 14:57	MM			NO3O
JD62888-4	EPA 353.2/LACHAT	30-MAR-23 14:57	MM	30-MAR-23	MM	NO32

Internal Sample Tracking Chronicle

Fleming-Lee Shue, Inc.

Job No: JD62888

388 Bridge Street, Brooklyn, NY
Project No: 10188

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JD62888-4	EPA 300/SW846	9056A30-MAR-23 23:30	SS	30-MAR-23	SS	SO4
JD62888-4	SM3500FE B-11	02-APR-23 13:49	MK			FE2
JD62888-4	SW846 8260D	04-APR-23 17:28	NW			V8260TCL11
JD62888-5 Collected: 28-MAR-23 11:55 By: TRIP BLANK Received: 29-MAR-23 By: JP						
JD62888-5	SW846 8260D	04-APR-23 17:53	NW			V8260TCL11
JD62888-1F Collected: 28-MAR-23 11:55 By: BH SVE-1 Received: 29-MAR-23 By: JP						
JD62888-1F	SM5310 B-11	31-MAR-23 21:17	MB	30-MAR-23	MB	DOC
JD62888-2F Collected: 28-MAR-23 11:50 By: BH SVE-4 Received: 29-MAR-23 By: JP						
JD62888-2F	SM5310 B-11	31-MAR-23 19:59	MB	30-MAR-23	MB	DOC
JD62888-3F Collected: 28-MAR-23 10:05 By: BH SVE-5 Received: 29-MAR-23 By: JP						
JD62888-3F	SM5310 B-11	31-MAR-23 21:28	MB	30-MAR-23	MB	DOC
JD62888-4F Collected: 28-MAR-23 11:30 By: BH FB-1 Received: 29-MAR-23 By: JP						
JD62888-4F	SM5310 B-11	31-MAR-23 20:35	MB	30-MAR-23	MB	DOC

SGS Internal Chain of Custody

Page 1 of 4

Job Number: JD62888
Account: FLSNYYY Fleming-Lee Shue, Inc.
Project: 388 Bridge Street, Brooklyn, NY
Received: 03/29/23

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD62888-1.1	Secured Storage	Dave Hunkele	03/31/23 10:48	Retrieve from Storage
JD62888-1.1	Dave Hunkele	Secured Staging Area	03/31/23 10:48	Return to Storage
JD62888-1.1	Secured Staging Area	Marcin Kotowski	03/31/23 17:24	Retrieve from Storage
JD62888-1.1	Marcin Kotowski	Secured Storage	04/02/23 16:07	Return to Storage
JD62888-1.2	Secured Storage	Todd Shoemaker	03/30/23 10:24	Retrieve from Storage
JD62888-1.2	Todd Shoemaker	Secured Staging Area	03/30/23 10:24	Return to Storage
JD62888-1.2	Secured Staging Area	Mira Michael	03/30/23 10:35	Retrieve from Storage
JD62888-1.2	Mira Michael	Secured Storage	03/30/23 16:56	Return to Storage
JD62888-1.3	Secured Storage	Dave Hunkele	03/30/23 13:16	Retrieve from Storage
JD62888-1.3	Dave Hunkele	Secured Staging Area	03/30/23 13:16	Return to Storage
JD62888-1.3	Secured Staging Area	Sarah Sarantopoulos	03/30/23 15:04	Retrieve from Storage
JD62888-1.3	Sarah Sarantopoulos	Secured Storage	04/03/23 13:24	Return to Storage
JD62888-1.4	Secured Storage	Dave Hunkele	03/30/23 07:05	Retrieve from Storage
JD62888-1.4	Dave Hunkele	Secured Staging Area	03/30/23 07:06	Return to Storage
JD62888-1.4	Secured Staging Area	Mahendra Patel	03/30/23 08:01	Retrieve from Storage
JD62888-1.4	Mahendra Patel	Secured Storage	03/30/23 17:27	Return to Storage
JD62888-1.5	Joshua Reitan	Secured Storage	03/29/23 21:30	Return to Storage
JD62888-1.5	Secured Storage	Dave Hunkele	03/30/23 10:20	Retrieve from Storage
JD62888-1.5	Dave Hunkele	Secured Staging Area	03/30/23 10:20	Return to Storage
JD62888-1.7	Joshua Reitan	Secured Storage	03/29/23 20:08	Return to Storage
JD62888-1.8	Joshua Reitan	Secured Storage	03/29/23 20:08	Return to Storage
JD62888-1.8	Nicholas Weigand	GCMS1K	04/04/23 15:07	Load on Instrument
Analyst chain of custody update error.				
JD62888-1.8	GCMS1K	Nicholas Weigand	04/05/23 16:13	Unload from Instrument
JD62888-1.8	Nicholas Weigand	Secured Storage	04/05/23 16:13	Return to Storage
JD62888-1.9	Joshua Reitan	Secured Storage	03/29/23 20:08	Return to Storage
JD62888-1F.6	Joshua Reitan	Secured Storage	03/29/23 21:30	Return to Storage
JD62888-1F.6	Secured Storage	Dave Hunkele	03/30/23 10:20	Retrieve from Storage
JD62888-1F.6	Dave Hunkele	Secured Staging Area	03/30/23 10:20	Return to Storage
JD62888-2.1	Secured Storage	Dave Hunkele	03/31/23 10:48	Retrieve from Storage
JD62888-2.1	Dave Hunkele	Secured Staging Area	03/31/23 10:48	Return to Storage
JD62888-2.1	Secured Staging Area	Marcin Kotowski	03/31/23 17:24	Retrieve from Storage
JD62888-2.1	Marcin Kotowski	Secured Storage	04/02/23 16:07	Return to Storage
JD62888-2.2	Secured Storage	Todd Shoemaker	03/30/23 10:24	Retrieve from Storage

SGS Internal Chain of Custody

Job Number: JD62888
Account: FLSNYYY Fleming-Lee Shue, Inc.
Project: 388 Bridge Street, Brooklyn, NY
Received: 03/29/23

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD62888-2.2	Todd Shoemaker	Secured Staging Area	03/30/23 10:24	Return to Storage
JD62888-2.2	Secured Staging Area	Mira Michael	03/30/23 10:35	Retrieve from Storage
JD62888-2.2	Mira Michael	Secured Storage	03/30/23 16:56	Return to Storage
JD62888-2.3	Secured Storage	Dave Hunkele	03/30/23 13:16	Retrieve from Storage
JD62888-2.3	Dave Hunkele	Secured Staging Area	03/30/23 13:16	Return to Storage
JD62888-2.3	Secured Staging Area	Sarah Sarantopoulos	03/30/23 15:04	Retrieve from Storage
JD62888-2.3	Sarah Sarantopoulos	Secured Storage	04/03/23 13:24	Return to Storage
JD62888-2.4	Secured Storage	Dave Hunkele	03/30/23 07:05	Retrieve from Storage
JD62888-2.4	Dave Hunkele	Secured Staging Area	03/30/23 07:06	Return to Storage
JD62888-2.4	Secured Staging Area	Mahendra Patel	03/30/23 08:01	Retrieve from Storage
JD62888-2.4	Mahendra Patel	Secured Storage	03/30/23 17:27	Return to Storage
JD62888-2.5	Joshua Reitan	Secured Storage	03/29/23 21:30	Return to Storage
JD62888-2.5	Secured Storage	Dave Hunkele	03/30/23 10:20	Retrieve from Storage
JD62888-2.5	Dave Hunkele	Secured Staging Area	03/30/23 10:20	Return to Storage
JD62888-2.7	Joshua Reitan	Secured Storage	03/29/23 20:08	Return to Storage
JD62888-2.8	Joshua Reitan	Secured Storage	03/29/23 20:08	Return to Storage
JD62888-2.8	Nicholas Weigand	GCMS1K	04/04/23 15:07	Load on Instrument
Analyst chain of custody update error.				
JD62888-2.8	GCMS1K	Nicholas Weigand	04/05/23 16:13	Unload from Instrument
JD62888-2.8	Nicholas Weigand	Secured Storage	04/05/23 16:13	Return to Storage
JD62888-2.9	Joshua Reitan	Secured Storage	03/29/23 20:08	Return to Storage
JD62888-2F.6	Joshua Reitan	Secured Storage	03/29/23 21:30	Return to Storage
JD62888-2F.6	Secured Storage	Dave Hunkele	03/30/23 10:20	Retrieve from Storage
JD62888-2F.6	Dave Hunkele	Secured Staging Area	03/30/23 10:20	Return to Storage
JD62888-3.1	Secured Storage	Dave Hunkele	03/31/23 10:48	Retrieve from Storage
JD62888-3.1	Dave Hunkele	Secured Staging Area	03/31/23 10:48	Return to Storage
JD62888-3.1	Secured Staging Area	Marcin Kotowski	03/31/23 17:24	Retrieve from Storage
JD62888-3.1	Marcin Kotowski	Secured Storage	04/02/23 16:07	Return to Storage
JD62888-3.2	Secured Storage	Todd Shoemaker	03/30/23 10:24	Retrieve from Storage
JD62888-3.2	Todd Shoemaker	Secured Staging Area	03/30/23 10:24	Return to Storage
JD62888-3.2	Secured Staging Area	Mira Michael	03/30/23 10:35	Retrieve from Storage
JD62888-3.2	Mira Michael	Secured Storage	03/30/23 16:56	Return to Storage
JD62888-3.3	Secured Storage	Dave Hunkele	03/30/23 13:16	Retrieve from Storage
JD62888-3.3	Dave Hunkele	Secured Staging Area	03/30/23 13:16	Return to Storage

SGS Internal Chain of Custody

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Job Number: JD62888
Account: FLSNYYY Fleming-Lee Shue, Inc.
Project: 388 Bridge Street, Brooklyn, NY
Received: 03/29/23

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD62888-3.3	Secured Staging Area	Sarah Sarantopoulos	03/30/23 15:04	Retrieve from Storage
JD62888-3.3	Sarah Sarantopoulos	Secured Storage	04/03/23 13:24	Return to Storage
JD62888-3.4	Secured Storage	Dave Hunkele	03/30/23 07:05	Retrieve from Storage
JD62888-3.4	Dave Hunkele	Secured Staging Area	03/30/23 07:06	Return to Storage
JD62888-3.4	Secured Staging Area	Mahendra Patel	03/30/23 08:01	Retrieve from Storage
JD62888-3.4	Mahendra Patel	Secured Storage	03/30/23 17:27	Return to Storage
JD62888-3.5	Joshua Reitan	Secured Storage	03/29/23 21:30	Return to Storage
JD62888-3.5	Secured Storage	Dave Hunkele	03/30/23 10:20	Retrieve from Storage
JD62888-3.5	Dave Hunkele	Secured Staging Area	03/30/23 10:20	Return to Storage
JD62888-3.7	Joshua Reitan	Secured Storage	03/29/23 20:08	Return to Storage
JD62888-3.8	Joshua Reitan	Secured Storage	03/29/23 20:08	Return to Storage
JD62888-3.8	Nicholas Weigand	GCMS1K	04/04/23 15:07	Load on Instrument
Analyst chain of custody update error.				
JD62888-3.8	GCMS1K	Nicholas Weigand	04/05/23 16:13	Unload from Instrument
JD62888-3.8	Nicholas Weigand	Secured Storage	04/05/23 16:13	Return to Storage
JD62888-3.9	Joshua Reitan	Secured Storage	03/29/23 20:08	Return to Storage
JD62888-3F.6	Joshua Reitan	Secured Storage	03/29/23 21:30	Return to Storage
JD62888-3F.6	Secured Storage	Dave Hunkele	03/30/23 10:20	Retrieve from Storage
JD62888-3F.6	Dave Hunkele	Secured Staging Area	03/30/23 10:20	Return to Storage
JD62888-4.1	Secured Storage	Dave Hunkele	03/31/23 10:48	Retrieve from Storage
JD62888-4.1	Dave Hunkele	Secured Staging Area	03/31/23 10:48	Return to Storage
JD62888-4.1	Secured Staging Area	Marcin Kotowski	03/31/23 17:24	Retrieve from Storage
JD62888-4.1	Marcin Kotowski	Secured Storage	04/02/23 16:07	Return to Storage
JD62888-4.2	Secured Storage	Todd Shoemaker	03/30/23 10:24	Retrieve from Storage
JD62888-4.2	Todd Shoemaker	Secured Staging Area	03/30/23 10:24	Return to Storage
JD62888-4.2	Secured Staging Area	Mira Michael	03/30/23 10:35	Retrieve from Storage
JD62888-4.2	Mira Michael	Secured Storage	03/30/23 16:56	Return to Storage
JD62888-4.3	Secured Storage	Dave Hunkele	03/30/23 13:16	Retrieve from Storage
JD62888-4.3	Dave Hunkele	Secured Staging Area	03/30/23 13:16	Return to Storage
JD62888-4.3	Secured Staging Area	Sarah Sarantopoulos	03/30/23 15:04	Retrieve from Storage
JD62888-4.3	Sarah Sarantopoulos	Secured Storage	04/03/23 13:24	Return to Storage
JD62888-4.4	Secured Storage	Dave Hunkele	03/30/23 07:05	Retrieve from Storage
JD62888-4.4	Dave Hunkele	Secured Staging Area	03/30/23 07:06	Return to Storage
JD62888-4.4	Secured Staging Area	Mahendra Patel	03/30/23 08:01	Retrieve from Storage

SGS Internal Chain of Custody

Page 4 of 4

Job Number: JD62888
Account: FLSNYYY Fleming-Lee Shue, Inc.
Project: 388 Bridge Street, Brooklyn, NY
Received: 03/29/23

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD62888-4.4	Mahendra Patel	Secured Storage	03/30/23 17:27	Return to Storage
JD62888-4.5	Joshua Reitan	Secured Storage	03/29/23 21:30	Return to Storage
JD62888-4.5	Secured Storage	Dave Hunkele	03/30/23 10:20	Retrieve from Storage
JD62888-4.5	Dave Hunkele	Secured Staging Area	03/30/23 10:20	Return to Storage
JD62888-4.7	Joshua Reitan	Secured Storage	03/29/23 20:08	Return to Storage
JD62888-4.7	Nicholas Weigand	GCMS1K	04/04/23 15:07	Load on Instrument
Analyst chain of custody update error.				
JD62888-4.7	GCMS1K	Nicholas Weigand	04/05/23 16:13	Unload from Instrument
JD62888-4.7	Nicholas Weigand	Secured Storage	04/05/23 16:13	Return to Storage
JD62888-4.8	Joshua Reitan	Secured Storage	03/29/23 20:08	Return to Storage
JD62888-4F.6	Joshua Reitan	Secured Storage	03/29/23 21:30	Return to Storage
JD62888-4F.6	Secured Storage	Dave Hunkele	03/30/23 10:20	Retrieve from Storage
JD62888-4F.6	Dave Hunkele	Secured Staging Area	03/30/23 10:20	Return to Storage
JD62888-5.1	Joshua Reitan	Secured Storage	03/29/23 20:08	Return to Storage
JD62888-5.1	Nicholas Weigand	GCMS1K	04/04/23 15:07	Load on Instrument
Analyst chain of custody update error.				
JD62888-5.1	GCMS1K	Nicholas Weigand	04/05/23 16:13	Unload from Instrument
JD62888-5.1	Nicholas Weigand	Secured Storage	04/05/23 16:13	Return to Storage
JD62888-5.2	Joshua Reitan	Secured Storage	03/29/23 20:08	Return to Storage

MS Volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

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Job Number: JD62888

Account: FLSNYNY Fleming-Lee Shue, Inc.

Project: 388 Bridge Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1R100-MB	1R03017.D	1	04/04/23	NW	n/a	n/a	V1R100

The QC reported here applies to the following samples:

Method: SW846 8260D

JD62888-1, JD62888-2, JD62888-3, JD62888-4, JD62888-5

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane	ND	130	19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	

Method Blank Summary

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Job Number: JD62888

Account: FLSNYYY Fleming-Lee Shue, Inc.

Project: 388 Bridge Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1R100-MB	1R03017.D	1	04/04/23	NW	n/a	n/a	V1R100

The QC reported here applies to the following samples:

Method: SW846 8260D

JD62888-1, JD62888-2, JD62888-3, JD62888-4, JD62888-5

CAS No.	Compound	Result	RL	MDL	Units	Q
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	109% 80-120%
17060-07-0	1,2-Dichloroethane-D4	107% 80-120%
2037-26-5	Toluene-D8	95% 80-120%
460-00-4	4-Bromofluorobenzene	103% 82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.45	11	ug/l	J
	Total TIC, Volatile		0	ug/l	

Blank Spike Summary

Page 1 of 2

Job Number: JD62888**Account:** FLSNYYY Fleming-Lee Shue, Inc.**Project:** 388 Bridge Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1R100-BS	1R03015.D	1	04/04/23	NW	n/a	n/a	V1R100

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

JD62888-1, JD62888-2, JD62888-3, JD62888-4, JD62888-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	200	240	120	51-151
71-43-2	Benzene	50	40.0	80	80-115
74-97-5	Bromochloromethane	50	47.3	95	78-124
75-27-4	Bromodichloromethane	50	45.1	90	77-128
75-25-2	Bromoform	50	48.2	96	67-141
74-83-9	Bromomethane	50	26.5	53	53-152
78-93-3	2-Butanone (MEK)	200	209	105	61-150
75-15-0	Carbon disulfide	50	39.5	79	59-140
56-23-5	Carbon tetrachloride	50	48.5	97	75-127
108-90-7	Chlorobenzene	50	43.8	88	80-115
75-00-3	Chloroethane	50	36.8	74	54-147
67-66-3	Chloroform	50	45.6	91	75-116
74-87-3	Chloromethane	50	38.1	76	46-144
110-82-7	Cyclohexane	50	49.6	99	62-127
96-12-8	1,2-Dibromo-3-chloropropane	50	51.0	102	64-134
124-48-1	Dibromochloromethane	50	48.8	98	76-132
106-93-4	1,2-Dibromoethane	50	48.5	97	75-130
95-50-1	1,2-Dichlorobenzene	50	47.3	95	74-125
541-73-1	1,3-Dichlorobenzene	50	43.9	88	73-124
106-46-7	1,4-Dichlorobenzene	50	43.1	86	80-114
75-71-8	Dichlorodifluoromethane	50	45.1	90	42-152
75-34-3	1,1-Dichloroethane	50	43.5	87	72-124
107-06-2	1,2-Dichloroethane	50	43.9	88	73-117
75-35-4	1,1-Dichloroethene	50	43.2	86	70-124
156-59-2	cis-1,2-Dichloroethene	50	45.5	91	71-119
156-60-5	trans-1,2-Dichloroethene	50	44.8	90	71-123
78-87-5	1,2-Dichloropropane	50	39.2	78	75-120
10061-01-5	cis-1,3-Dichloropropene	50	44.0	88	77-124
10061-02-6	trans-1,3-Dichloropropene	50	46.1	92	75-132
123-91-1	1,4-Dioxane	1250	1170	94	57-147
100-41-4	Ethylbenzene	50	41.8	84	77-124
76-13-1	Freon 113	50	41.6	83	58-149
591-78-6	2-Hexanone	200	174	87	58-136
98-82-8	Isopropylbenzene	50	46.0	92	60-136
79-20-9	Methyl Acetate	50	47.9	96	57-139
108-87-2	Methylcyclohexane	50	39.0	78	73-130

* = Outside of Control Limits.

Blank Spike Summary

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Job Number: JD62888

Account: FLSNYYY Fleming-Lee Shue, Inc.

Project: 388 Bridge Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1R100-BS	1R03015.D	1	04/04/23	NW	n/a	n/a	V1R100

The QC reported here applies to the following samples:

Method: SW846 8260D

JD62888-1, JD62888-2, JD62888-3, JD62888-4, JD62888-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
1634-04-4	Methyl Tert Butyl Ether	50	47.3	95	72-127
108-10-1	4-Methyl-2-pentanone(MIBK)	200	168	84	63-135
75-09-2	Methylene chloride	50	46.5	93	69-122
100-42-5	Styrene	50	44.4	89	78-126
79-34-5	1,1,2,2-Tetrachloroethane	50	43.0	86	66-125
127-18-4	Tetrachloroethene	50	40.7	81	73-119
108-88-3	Toluene	50	41.1	82	76-126
87-61-6	1,2,3-Trichlorobenzene	50	46.1	92	62-132
120-82-1	1,2,4-Trichlorobenzene	50	47.2	94	67-132
71-55-6	1,1,1-Trichloroethane	50	45.2	90	77-136
79-00-5	1,1,2-Trichloroethane	50	42.6	85	75-123
79-01-6	Trichloroethene	50	43.2	86	80-118
75-69-4	Trichlorofluoromethane	50	51.6	103	56-154
75-01-4	Vinyl chloride	50	31.9	64	52-146
	m,p-Xylene	100	86.3	86	77-125
95-47-6	o-Xylene	50	42.1	84	76-126
1330-20-7	Xylene (total)	150	128	85	77-125

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	106%	76-120%
17060-07-0	1,2-Dichloroethane-D4	103%	64-135%
2037-26-5	Toluene-D8	93%	76-117%
460-00-4	4-Bromofluorobenzene	98%	72-122%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 2

Job Number: JD62888

Account: FLSNYYY Fleming-Lee Shue, Inc.

Project: 388 Bridge Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD62953-1MS	1R03028.D	4	04/04/23	NW	n/a	n/a	V1R100
JD62953-1MSD	1R03029.D	4	04/04/23	NW	n/a	n/a	V1R100
JD62953-1 ^a	1R03033.D	4	04/04/23	NW	n/a	n/a	V1R100

The QC reported here applies to the following samples:

Method: SW846 8260D

JD62888-1, JD62888-2, JD62888-3, JD62888-4, JD62888-5

CAS No.	Compound	JD62953-1 ug/l	Spike Q	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		800	717	90	800	677	6	22-134/19
71-43-2	Benzene	19.1		200	184	82	200	180	2	49-137/12
74-97-5	Bromochloromethane	ND		200	207	104	200	203	2	78-122/12
75-27-4	Bromodichloromethane	ND		200	187	94	200	182	3	76-121/12
75-25-2	Bromoform	ND		200	206	103	200	214	4	70-133/13
74-83-9	Bromomethane	ND		200	72.1	36	200	85.7	17	27-164/38
78-93-3	2-Butanone (MEK)	ND		800	762	95	800	733	4	52-137/17
75-15-0	Carbon disulfide	ND		200	180	90	200	176	2	54-136/16
56-23-5	Carbon tetrachloride	ND		200	210	105	200	211	0	70-132/13
108-90-7	Chlorobenzene	ND		200	187	94	200	185	1	68-123/12
75-00-3	Chloroethane	ND		200	152	76	200	149	2	48-152/17
67-66-3	Chloroform	ND		200	196	98	200	190	3	68-120/13
74-87-3	Chloromethane	ND		200	150	75	200	141	6	35-156/18
110-82-7	Cyclohexane	8.0	J	200	195	94	200	187	4	53-146/14
96-12-8	1,2-Dibromo-3-chloropropane	ND		200	217	109	200	219	1	63-134/16
124-48-1	Dibromochloromethane	ND		200	208	104	200	208	0	75-122/12
106-93-4	1,2-Dibromoethane	ND		200	207	104	200	204	1	63-134/12
95-50-1	1,2-Dichlorobenzene	ND		200	207	104	200	201	3	74-119/12
541-73-1	1,3-Dichlorobenzene	ND		200	194	97	200	189	3	75-117/12
106-46-7	1,4-Dichlorobenzene	ND		200	184	92	200	181	2	72-117/12
75-71-8	Dichlorodifluoromethane	ND		200	210	105	200	220	5	34-163/16
75-34-3	1,1-Dichloroethane	ND		200	189	95	200	183	3	68-129/13
107-06-2	1,2-Dichloroethane	ND		200	186	93	200	181	3	66-120/13
75-35-4	1,1-Dichloroethene	ND		200	192	96	200	190	1	59-133/15
156-59-2	cis-1,2-Dichloroethene	ND		200	196	98	200	190	3	52-140/12
156-60-5	trans-1,2-Dichloroethene	ND		200	195	98	200	193	1	70-125/13
78-87-5	1,2-Dichloropropane	ND		200	165	83	200	161	2	73-124/12
10061-01-5	cis-1,3-Dichloropropene	ND		200	182	91	200	179	2	75-125/13
10061-02-6	trans-1,3-Dichloropropene	ND		200	197	99	200	190	4	75-122/12
123-91-1	1,4-Dioxane	ND		5000	5360	107	5000	4490	18	57-145/40
100-41-4	Ethylbenzene	202		200	348	73	200	342	2	37-144/12
76-13-1	Freon 113	ND		200	190	95	200	192	1	61-142/14
591-78-6	2-Hexanone	ND		800	734	92	800	715	3	56-132/16
98-82-8	Isopropylbenzene	12.9		200	211	99	200	207	2	71-126/13
79-20-9	Methyl Acetate	ND		200	205	103	200	200	2	51-139/18
108-87-2	Methylcyclohexane	4.8	J	200	171	83	200	172	1	59-137/16

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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Job Number: JD62888
Account: FLSNYYNY Fleming-Lee Shue, Inc.
Project: 388 Bridge Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD62953-1MS	1R03028.D	4	04/04/23	NW	n/a	n/a	V1R100
JD62953-1MSD	1R03029.D	4	04/04/23	NW	n/a	n/a	V1R100
JD62953-1 ^a	1R03033.D	4	04/04/23	NW	n/a	n/a	V1R100

The QC reported here applies to the following samples:

Method: SW846 8260D

JD62888-1, JD62888-2, JD62888-3, JD62888-4, JD62888-5

CAS No.	Compound	JD62953-1 ug/l	Spike Q ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
1634-04-4	Methyl Tert Butyl Ether	ND	200	200	100	200	199	100	1	66-124/12
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	800	701	88	800	680	85	3	65-135/14
75-09-2	Methylene chloride	ND	200	202	101	200	198	99	2	66-125/14
100-42-5	Styrene	ND	200	204	102	200	204	102	0	71-133/12
79-34-5	1,1,2,2-Tetrachloroethane	ND	200	181	91	200	172	86	5	68-127/14
127-18-4	Tetrachloroethene	ND	200	176	88	200	181	91	3	58-132/13
108-88-3	Toluene	1030	E 200	1030	0* ^b	200	1020	-5* ^b	1	46-139/12
87-61-6	1,2,3-Trichlorobenzene	ND	200	205	103	200	198	99	3	57-136/17
120-82-1	1,2,4-Trichlorobenzene	ND	200	206	103	200	205	103	0	61-137/16
71-55-6	1,1,1-Trichloroethane	ND	200	196	98	200	190	95	3	67-132/13
79-00-5	1,1,2-Trichloroethane	ND	200	179	90	200	175	88	2	75-120/12
79-01-6	Trichloroethene	ND	200	184	92	200	182	91	1	56-136/12
75-69-4	Trichlorofluoromethane	ND	200	211	106	200	220	110	4	61-145/16
75-01-4	Vinyl chloride	ND	200	134	67	200	125	63	7	41-156/16
	m,p-Xylene	381	400	706	81	400	695	79	2	32-151/12
95-47-6	o-Xylene	315	200	451	68	200	443	64	2	50-139/12
1330-20-7	Xylene (total)	696	600	1160	77	600	1140	74	2	38-147/12

CAS No.	Surrogate Recoveries	MS	MSD	JD62953-1	Limits
1868-53-7	Dibromofluoromethane	106%	105%	106%	80-120%
17060-07-0	1,2-Dichloroethane-D4	99%	99%	104%	80-120%
2037-26-5	Toluene-D8	94%	92%	93%	80-120%
460-00-4	4-Bromofluorobenzene	100%	99%	101%	82-114%

(a) Dilution required due to high concentration of target compound.

(b) Outside control limits due to high level in sample relative to spike amount.

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Page 1 of 1

Job Number: JD62888**Account:** FLSNYYY Fleming-Lee Shue, Inc.**Project:** 388 Bridge Street, Brooklyn, NY**Sample:** V1R91-BFB**Injection Date:** 03/28/23**Lab File ID:** 1R02813.D**Injection Time:** 21:55**Instrument ID:** GCMS1R

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
50	15.0 - 40.0% of mass 95	53808	22.7	Pass
75	30.0 - 60.0% of mass 95	112563	47.5	Pass
95	Base peak, 100% relative abundance	237077	100.0	Pass
96	5.0 - 9.0% of mass 95	16559	6.98	Pass
173	Less than 2.0% of mass 174	1620	0.68 (0.67) ^a	Pass
174	50.0 - 150.0% of mass 95	241536	101.9	Pass
175	5.0 - 9.0% of mass 174	17164	7.24 (7.11) ^a	Pass
176	95.0 - 101.0% of mass 174	233536	98.5 (96.7) ^a	Pass
177	5.0 - 9.0% of mass 176	14108	5.95 (6.04) ^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
V1R91-IC0091	1R02815.D	03/28/23	22:46	00:51	Initial cal 0.2
V1R91-IC0091	1R02817.D	03/28/23	23:19	01:24	Initial cal 0.5
V1R91-IC0091	1R02819.D	03/28/23	23:52	01:57	Initial cal 1
V1R91-IC0091	1R02821.D	03/29/23	00:25	02:30	Initial cal 2
V1R91-IC0091	1R02823.D	03/29/23	00:58	03:03	Initial cal 4
V1R91-IC0091	1R02825.D	03/29/23	01:31	03:36	Initial cal 8
V1R91-IC0091	1R02827.D	03/29/23	02:04	04:09	Initial cal 20
V1R91-ICC0091	1R02829.D	03/29/23	02:37	04:42	Initial cal 50
V1R91-IC0091	1R02831.D	03/29/23	03:10	05:15	Initial cal 100
V1R91-IC0091	1R02833.D	03/29/23	03:42	05:47	Initial cal 200
V1R91-ICV0091	1R02839.D	03/29/23	05:20	07:25	Initial cal verification 50
V1R91-ICV0091	1R02841.D	03/29/23	05:53	07:58	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: JD62888
Account: FLSNYYNY Fleming-Lee Shue, Inc.
Project: 388 Bridge Street, Brooklyn, NY

Sample:	V1R91-BFB2	Injection Date:	03/29/23
Lab File ID:	1R02846.D	Injection Time:	16:59
Instrument ID:	GCMS1R		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
50	15.0 - 40.0% of mass 95	51715	24.3	Pass
75	30.0 - 60.0% of mass 95	103344	48.6	Pass
95	Base peak, 100% relative abundance	212736	100.0	Pass
96	5.0 - 9.0% of mass 95	14480	6.81	Pass
173	Less than 2.0% of mass 174	1103	0.52 (0.53) ^a	Pass
174	50.0 - 150.0% of mass 95	206571	97.1	Pass
175	5.0 - 9.0% of mass 174	15660	7.36 (7.58) ^a	Pass
176	95.0 - 101.0% of mass 174	203776	95.8 (98.6) ^a	Pass
177	5.0 - 9.0% of mass 176	13543	6.37 (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
V1R91-ICV0091	1R02847.D	03/29/23	17:25	00:26	Initial cal verification 50

6.4.2
6

Instrument Performance Check (BFB)

Job Number: JD62888
Account: FLSNYYY Fleming-Lee Shue, Inc.
Project: 388 Bridge Street, Brooklyn, NY

Sample: V1R100-BFB
Lab File ID: 1R03013.D
Instrument ID: GCMS1R
Injection Date: 04/04/23
Injection Time: 09:38

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
50	15.0 - 40.0% of mass 95	62083	19.1	Pass
75	30.0 - 60.0% of mass 95	143333	44.1	Pass
95	Base peak, 100% relative abundance	325376	100.0	Pass
96	5.0 - 9.0% of mass 95	21747	6.68	Pass
173	Less than 2.0% of mass 174	0	0.00 (0.00) ^a	Pass
174	50.0 - 150.0% of mass 95	293013	90.1	Pass
175	5.0 - 9.0% of mass 174	21152	6.50 (7.22) ^a	Pass
176	95.0 - 101.0% of mass 174	283755	87.2 (96.8) ^a	Pass
177	5.0 - 9.0% of mass 176	19014	5.84 (6.70) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V1R100-CC91	1R03013.D	04/04/23	09:38	00:00	Continuing cal 20
V1R100-BS	1R03015.D	04/04/23	10:34	00:56	Blank Spike
V1R100-MB	1R03017.D	04/04/23	11:25	01:47	Method Blank
ZZZZZZ	1R03018R.D	04/04/23	11:54	02:16	(unrelated sample)
ZZZZZZ	1R03018.D	04/04/23	11:54	02:16	(unrelated sample)
ZZZZZZ	1R03019R.D	04/04/23	12:20	02:42	(unrelated sample)
ZZZZZZ	1R03019.D	04/04/23	12:20	02:42	(unrelated sample)
ZZZZZZ	1R03020.D	04/04/23	12:46	03:08	(unrelated sample)
ZZZZZZ	1R03021.D	04/04/23	13:11	03:33	(unrelated sample)
ZZZZZZ	1R03021R.D	04/04/23	13:11	03:33	(unrelated sample)
ZZZZZZ	1R03022.D	04/04/23	13:37	03:59	(unrelated sample)
ZZZZZZ	1R03023.D	04/04/23	14:03	04:25	(unrelated sample)
ZZZZZZ	1R03024.D	04/04/23	14:28	04:50	(unrelated sample)
ZZZZZZ	1R03025.D	04/04/23	14:54	05:16	(unrelated sample)
ZZZZZZ	1R03026.D	04/04/23	15:19	05:41	(unrelated sample)
JD62888-1	1R03027.D	04/04/23	15:45	06:07	SVE-1
JD62953-1MS	1R03028.D	04/04/23	16:11	06:33	Matrix Spike
JD62953-1MSD	1R03029.D	04/04/23	16:36	06:58	Matrix Spike Duplicate
JD62888-4	1R03031.D	04/04/23	17:28	07:50	FB-1
JD62888-5	1R03032.D	04/04/23	17:53	08:15	TRIP BLANK
JD62953-1	1R03033.D	04/04/23	18:19	08:41	(used for QC only; not part of job JD62888)
JD62888-2	1R03034.D	04/04/23	18:45	09:07	SVE-4
JD62888-3	1R03035.D	04/04/23	19:10	09:32	SVE-5
ZZZZZZ	1R03036.D	04/04/23	19:36	09:58	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JD62888
Account: FLSNYYY Fleming-Lee Shue, Inc.
Project: 388 Bridge Street, Brooklyn, NY

Sample:	V1R100-BFB	Injection Date:	04/04/23
Lab File ID:	1R03013.D	Injection Time:	09:38
Instrument ID:	GCMS1R		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	1R03037.D	04/04/23	20:01	10:23	(unrelated sample)
ZZZZZZ	1R03038.D	04/04/23	20:27	10:49	(unrelated sample)
ZZZZZZ	1R03039.D	04/04/23	20:53	11:15	(unrelated sample)
ZZZZZZ	1R03040.D	04/04/23	21:18	11:40	(unrelated sample)

Internal Standard Area Summary

Page 1 of 2

Job Number: JD62888
Account: FLSNYYY Fleming-Lee Shue, Inc.
Project: 388 Bridge Street, Brooklyn, NY

Check Std: V1R100-CC91	Injection Date: 04/04/23
Lab File ID: 1R03013.D	Injection Time: 09:38
Instrument ID: GCMS1R	Method: SW846 8260D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	649271	3.48	688798	5.02	1060871	5.64	1047884	7.81	522573	9.26
Upper Limit ^a	1298542	3.98	1377596	5.52	2121742	6.14	2095768	8.31	1045146	9.76
Lower Limit ^b	324636	2.98	344399	4.52	530436	5.14	523942	7.31	261287	8.76

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
V1R100-BS	614235	3.49	730438	5.02	1084886	5.65	1086387	7.81	571074	9.26
V1R100-MB	612313	3.48	592616	5.02	922312	5.65	902372	7.82	401555	9.26
ZZZZZZ	605234	3.49	579738	5.02	907666	5.65	878798	7.81	384801	9.26
ZZZZZZ	605234	3.49	579738	5.02	907666	5.65	878798	7.81	384801	9.26
ZZZZZZ	600910	3.49	628676	5.02	968829	5.65	925991	7.82	559559	9.26
ZZZZZZ	600910	3.49	628676	5.02	968829	5.65	925991	7.82	559559	9.26
ZZZZZZ	624089	3.48	620072	5.02	961381	5.65	915761	7.82	410060	9.26
ZZZZZZ	595693	3.49	578679	5.03	915793	5.65	910864	7.82	502804	9.26
ZZZZZZ	595693	3.49	578679	5.03	915793	5.65	910864	7.82	502804	9.26
ZZZZZZ	614750	3.48	619030	5.02	953587	5.65	912515	7.82	451068	9.26
ZZZZZZ	598892	3.48	572375	5.02	901955	5.65	871226	7.82	392264	9.26
ZZZZZZ	572882	3.48	574792	5.03	904035	5.65	861940	7.82	385517	9.26
ZZZZZZ	578240	3.49	565295	5.03	883663	5.66	857079	7.82	384266	9.26
ZZZZZZ	521373	3.48	554367	5.02	870868	5.65	837904	7.82	363394	9.26
JD62888-1	590128	3.49	553552	5.03	865233	5.65	839012	7.82	372781	9.26
JD62953-1MS	507065	3.49	639724	5.02	974157	5.65	955113	7.82	501250	9.26
JD62953-1MSD	584603	3.49	697532	5.03	1038223	5.66	1013024	7.82	549087	9.26
JD62888-4	631950	3.48	583702	5.03	908888	5.66	871234	7.82	394162	9.26
JD62888-5	592479	3.49	568084	5.03	880717	5.66	851076	7.82	380661	9.26
JD62953-1	534542	3.49	558173	5.03	856573	5.66	839310	7.82	417273	9.26
JD62888-2	575874	3.49	548691	5.03	858272	5.66	830614	7.82	379122	9.26
JD62888-3	525305	3.49	542116	5.03	848679	5.66	827269	7.82	369643	9.26
ZZZZZZ	586826	3.49	546029	5.03	843157	5.66	822334	7.82	371109	9.26
ZZZZZZ	529461	3.49	537394	5.03	832517	5.66	808807	7.82	356998	9.26
ZZZZZZ	583637	3.49	536623	5.03	839343	5.66	815125	7.82	365739	9.26
ZZZZZZ	531119	3.49	522955	5.03	814601	5.66	795050	7.82	350317	9.26
ZZZZZZ	543596	3.50	531147	5.03	824443	5.66	791502	7.82	355256	9.26

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

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

Internal Standard Area Summary

Job Number: JD62888
Account: FLSNYYY Fleming-Lee Shue, Inc.
Project: 388 Bridge Street, Brooklyn, NY

Check Std:	V1R100-CC91	Injection Date:	04/04/23
Lab File ID:	1R03013.D	Injection Time:	09:38
Instrument ID:	GCMS1R	Method:	SW846 8260D

Lab	IS 1		IS 2		IS 3		IS 4		IS 5	
Sample ID	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT

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

6.5.1
6

Surrogate Recovery Summary

Job Number: JD62888
Account: FLSNYYNY Fleming-Lee Shue, Inc.
Project: 388 Bridge Street, Brooklyn, NY

Method: SW846 8260D	Matrix: AQ
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Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
JD62888-1	1R03027.D	109	108	94	102
JD62888-2	1R03034.D	111	108	94	102
JD62888-3	1R03035.D	110	108	94	102
JD62888-4	1R03031.D	109	106	95	103
JD62888-5	1R03032.D	110	109	95	105
JD62953-1MS	1R03028.D	106	99	94	100
JD62953-1MSD	1R03029.D	105	99	92	99
V1R100-BS	1R03015.D	106	103	93	98
V1R100-MB	1R03017.D	109	107	95	103

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	80-120%
S2 = 1,2-Dichloroethane-D4	80-120%
S3 = Toluene-D8	80-120%
S4 = 4-Bromofluorobenzene	82-114%

Initial Calibration Summary

Job Number: JD62888
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: 388 Bridge Street, Brooklyn, NY

Sample: V1R91-ICC0091
Lab FileID: 1R02829.D

Response Factor Report GCMSR											
Method : C:\MSDCHEM\1\METHODS\M1R0091.M (RTE Integrator)											
Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um											
Last Update : Thu Mar 30 09:13:25 2023											
Response via : Initial Calibration											
Calibration Files											
1	=1R02819.D	4	=1R02823.D	100	=1R02831.D	50	=1R02829.D				
20	=1R02827.D	200	=1R02833.D	8	=1R02825.D	0.5	=1R02817.D				
2	=1R02821.D	0.2	=1R02815.D	=							
Compound											
	1	4	100	50	20	200	8	0.5	2	0.2	Avg %RSD

1) I	tert butyl alcohol-d9 -----ISTD-----										
2) ethanol	0.087	0.098	0.080	0.084	0.090	0.058	0.100	0.096	0.119	0.090	18.29
3) tertiary butyl alcohol	1.399	1.291	1.238	1.146	1.119	1.115	1.244	1.338	1.399	1.254	8.92
4) 1,4-dioxane	0.107	0.087	0.101	0.084	0.082	0.090	0.089		0.108	0.093	11.18
5) I	pentafluorobenzene -----ISTD-----										
6) chlorodifluoromethane	0.437	0.352	0.355	0.378	0.266	0.407		0.476		0.381	17.86
7) dichlorodifluoromethane	0.355	0.380	0.342	0.328	0.335	0.246	0.378	0.408	0.413	0.341	13.58
8) chloromethane	0.853	0.649	0.480	0.514	0.560	0.349	0.627		0.740	0.597	26.35
----- Quadratic regression -----											Coefficient = 0.9995
Response Ratio = 0.00583 + 0.58085 *A + -0.05787 *A^2											
9) vinyl chloride	0.640	0.658	0.493	0.508	0.548	0.351	0.623	0.654	0.705	0.576	19.31
10) 1,3-butadiene	0.524	0.492	0.393	0.396	0.416	0.284	0.471	0.410	0.485	0.430	16.76
11) bromomethane	0.295	0.344	0.311	0.293		0.280		0.410		0.322	15.07
12) chloroethane	0.338	0.281	0.305	0.271	0.272	0.227	0.267		0.359	0.290	14.59
13) trichlorofluoromethane	0.460	0.453	0.445	0.411	0.414	0.487	0.441	0.367	0.502	0.434	8.73
14) ethyl ether	0.184	0.192	0.183	0.171	0.171	0.173	0.185	0.178	0.199	0.182	5.26
15) acrolein	0.099	0.104	0.098	0.099	0.098	0.102		0.132		0.105	11.67
16) freon 113	0.273	0.241	0.235	0.229	0.217	0.259	0.242	0.274	0.269	0.249	8.35
17) 1,1-dichloroethene	0.299	0.282	0.275	0.256	0.252	0.274	0.296	0.289	0.317	0.288	7.00
18) acetone	0.083	0.057	0.067	0.054	0.067	0.055	0.066	0.079	0.086	0.068	17.79
19) acetonitrile	0.100	0.085	0.084	0.089	0.076	0.093		0.117		0.092	14.35
20) iodomethane	0.093	0.245	0.212	0.167		0.146		0.111		0.162	35.99
----- Quadratic regression -----											Coefficient = 0.9986
Response Ratio = -0.00380 + 0.16796 *A + 0.04034 *A^2											

Initial Calibration Summary

Job Number: JD62888
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: 388 Bridge Street, Brooklyn, NY

Sample: V1R91-ICC0091
Lab FileID: 1R02829.D

21)	carbon disulfide	0.956	0.822	0.786	0.729	0.751	0.744	0.832	0.856	0.997		0.830	11.30
22)	methylene chloride	0.286	0.333	0.303	0.294	0.288	0.286	0.331	0.281	0.373		0.308	10.03
23)	methyl acetate	0.102	0.093	0.090	0.080	0.085	0.088	0.090		0.109		0.092	10.04
24)	methyl tert butyl ether	0.992	0.861	0.956	0.828	0.786	0.888	0.831	0.883	1.037	0.742	0.880	10.46
25)	trans-1,2-dichloroethene	0.346	0.292	0.332	0.292	0.281	0.304	0.304	0.311	0.363		0.314	8.66
26)	hexane	*This compound fails initial calibration criteria.*											
		0.294	0.276	0.245	0.240	0.233	0.228	0.266	0.306	0.307		0.266	11.80
27)	di-isopropyl ether	1.332	1.287	1.458	1.200	1.119	1.146	1.236	1.243	1.387	1.083	1.249	9.58
28)	2-butanone	0.082	0.071	0.093	0.072	0.078	0.069	0.080	0.086	0.092		0.080	11.07
29)	1,1-dichloroethane	0.596	0.577	0.693	0.551	0.530	0.539	0.579	0.596	0.660	0.571	0.589	8.77
30)	chloroprene	0.583	0.471	0.621	0.490	0.431	0.516	0.476	0.457	0.556	0.477	0.508	11.92
31)	acrylonitrile	0.212	0.239	0.239	0.231	0.226	0.209	0.242	0.200	0.254		0.228	7.80
32)	vinyl acetate	0.092	0.074	0.086	0.078	0.067	0.079	0.079		0.089		0.080	10.50
33)	ethyl tert-butyl ether	1.028	0.965	1.110	0.969	0.898	1.009	0.973	0.806	1.138	0.970	0.987	9.68
34)	ethyl acetate	0.126	0.121	0.128	0.107	0.106	0.097	0.116		0.100		0.113	10.62
35)	2,2-dichloropropane	0.456	0.426	0.573	0.383	0.367	0.441	0.394	0.395	0.447		0.431	14.25
36)	cis-1,2-dichloroethene	0.377	0.345	0.431	0.321	0.310	0.350	0.327	0.311	0.362	0.374	0.351	10.63
37)	propionitrile	0.113	0.099	0.120	0.098	0.097	0.090	0.098	0.093	0.121	0.106	0.104	10.60
38)	methyl acrylate	0.090	0.073	0.107	0.084	0.076	0.079	0.084		0.085		0.085	12.19
39)	methacrylonitrile	0.246	0.216	0.264	0.219	0.193	0.202	0.209		0.244		0.224	10.95
40)	bromochloromethane	0.167	0.169	0.211	0.159	0.140	0.174	0.149	0.132	0.181	0.182	0.166	13.79
41)	tetrahydrofuran	0.327	0.288	0.292	0.260	0.252	0.213	0.278		0.325		0.279	13.61
42)	chloroform	0.606	0.523	0.638	0.532	0.489	0.549	0.526	0.684	0.642		0.577	11.72
43)	tert-Butyl Formate	0.298	0.312	0.365	0.331	0.278	0.333	0.301	0.268	0.340		0.314	9.98
44)	dibromofluoromethane (s)	0.428	0.442	0.453	0.439	0.434	0.431	0.432	0.422	0.433	0.433	0.435	1.94
45)	1,1,1-trichloroethane	0.541	0.466	0.510	0.455	0.440	0.503	0.464	0.508	0.584		0.497	9.27
46)	cyclohexane	0.467	0.434	0.487	0.450	0.428	0.435	0.427	0.517	0.507		0.461	7.56
47)	isobutyl alcohol	0.044	0.039	0.040	0.042	0.035	0.043		0.051			0.042	11.58
48)	1,1-dichloropropene	0.439	0.408	0.439	0.400	0.388	0.393	0.423	0.395	0.464		0.416	6.30
49)	carbon tetrachloride	0.424	0.397	0.451	0.405	0.379	0.483	0.398	0.362	0.430		0.414	8.95
50)	tert-amyl alcohol												

Initial Calibration Summary

Job Number: JD62888
Account: FLSNYYNY Fleming-Lee Shue, Inc.
Project: 388 Bridge Street, Brooklyn, NY

Sample: V1R91-ICC0091
Lab FileID: 1R02829.D

	0.050	0.052	0.053	0.047	0.050	0.046	0.050	0.051	0.050	4.87
51)	isopropyl acetate									
	0.117	0.099	0.125	0.104	0.100	0.104	0.108	0.133	0.111	11.16
52)	I 1,4-difluorobenzene -----ISTD-----									
53)	1,2-dichloroethane-d4 (s)									
	0.276	0.281	0.333	0.293	0.287	0.342	0.277	0.271	0.278	8.88
54)	n-butyl alcohol									
	0.017	0.017	0.022	0.019	0.018	0.020	0.018	0.020	0.019	8.96
55)	2,2,4-trimethylpentane									
	0.772	0.663	0.758	0.666	0.614	0.681	0.674	0.628	0.754	8.01
56)	benzene									
	0.977	0.971	1.168	0.943	0.861	1.003	0.898	0.908	1.118	9.74
57)	tert-amyl methyl ether									
	0.700	0.703	0.844	0.692	0.626	0.755	0.671	0.640	0.759	9.94
58)	heptane									
	0.172	0.163	0.156	0.149	0.136	0.147	0.154	0.139	0.194	11.41
59)	1,2-dichloroethane									
	0.304	0.293	0.345	0.304	0.261	0.340	0.288	0.340	0.337	8.99
60)	ethyl acrylate									
	0.533	0.485	0.599	0.502	0.438	0.493	0.483	0.495	0.542	8.97
61)	trichloroethene									
	0.265	0.228	0.302	0.238	0.223	0.279	0.235	0.190	0.270	13.06
62)	2-chloroethyl vinyl ether									
	0.205	0.211	0.283	0.234	0.193	0.231	0.203	0.177	0.231	15.40
63)	methyl methacrylate									
	0.088	0.076	0.111	0.077	0.070	0.091	0.077	0.082	0.084	15.18
64)	methylcyclohexane									
	0.418	0.411	0.459	0.372	0.333	0.405	0.375	0.319	0.408	11.25
65)	1,2-dichloropropane									
	0.302	0.270	0.330	0.263	0.235	0.258	0.256	0.233	0.296	11.87
66)	dibromomethane									
	0.172	0.168	0.212	0.160	0.138	0.166	0.148	0.186	0.159	12.87
67)	bromodichloromethane									
	0.324	0.281	0.324	0.298	0.255	0.327	0.271	0.301	0.311	8.60
68)	2-nitropropane									
	0.153	0.159	0.138	0.119	0.137	0.140			0.141	9.75
69)	epichlorohydrin									
	0.045	0.051	0.061	0.052	0.045	0.052	0.050	0.051	0.051	9.79
70)	cis-1,3-dichloropropene									
	0.375	0.356	0.464	0.385	0.340	0.414	0.363	0.311	0.402	12.00
71)	4-methyl-2-pentanone									
	0.171	0.174	0.236	0.207	0.172	0.185	0.177	0.160	0.208	12.26
72)	isoamyl alcohol									
	0.015	0.021	0.020	0.016	0.018	0.016	0.016	0.016	0.017	13.93
73)	I chlorobenzene-d5 -----ISTD-----									
74)	toluene-d8 (s)									
	1.328	1.339	1.484	1.533	1.394	1.347	1.329	1.335	1.354	5.15
75)	toluene									
	0.667	0.620	0.703	0.675	0.604	0.649	0.607	0.492	0.698	11.31
76)	ethyl methacrylate									
	0.339	0.350	0.413	0.361	0.345	0.344	0.342	0.302	0.385	8.79
77)	trans-1,3-dichloropropene									
	0.342	0.340	0.410	0.341	0.329	0.366	0.337	0.326	0.382	9.35
78)	1,1,2-trichloroethane									
	0.203	0.202	0.198	0.189	0.181	0.188	0.205	0.186	0.257	10.81
79)	tetrachloroethene									
	0.295	0.248	0.220	0.215	0.223	0.256	0.251	0.274	0.299	11.77
80)	2-hexanone									

Initial Calibration Summary

Job Number: JD62888
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: 388 Bridge Street, Brooklyn, NY

Sample: V1R91-ICC0091
Lab FileID: 1R02829.D

	0.199	0.203	0.210	0.207	0.198	0.184	0.200	0.173	0.237	0.234	0.205	9.63
81)	1,3-dichloropropane											
	0.369	0.352	0.356	0.346	0.338	0.348	0.369	0.297	0.428	0.415	0.362	10.39
82)	butyl acetate											
	0.266	0.272	0.278	0.258	0.250	0.234	0.261	0.286	0.306		0.268	7.79
83)	dibromochloromethane											
	0.274	0.237	0.282	0.248	0.231	0.303	0.231	0.205	0.286		0.255	12.67
84)	1,2-dibromoethane											
	0.267	0.237	0.233	0.232	0.227	0.254	0.229	0.220	0.282		0.242	8.60
85)	n-butyl ether											
	1.213	1.134	1.209	1.147	1.103	1.053	1.116	0.996	1.277	1.230	1.148	7.51
86)	chlorobenzene											
	0.725	0.673	0.795	0.679	0.653	0.756	0.667	0.650	0.840	0.723	0.716	8.97
87)	1,1,1,2-tetrachloroethane											
	0.243	0.230	0.313	0.272	0.230	0.302	0.229	0.201	0.257		0.253	14.53
88)	ethylbenzene											
	1.169	1.124	1.344	1.254	1.103	1.205	1.109	1.120	1.231	1.244	1.190	6.66
89)	m,p-xylene											
	0.477	0.425	0.529	0.515	0.425	0.513	0.433	0.411	0.483	0.409	0.462	10.05
90)	o-xylene											
	0.887	0.814	1.083	1.058	0.836	0.990	0.817	0.700	0.929	1.068	0.918	14.12
91)	styrene											
	0.691	0.689	0.927	0.981	0.715	0.863	0.671	0.621	0.779		0.771	16.27
92)	butyl acrylate											
	0.691	0.601	0.665	0.608	0.582	0.574	0.605	0.477	0.696	0.519	0.602	11.67
93)	n-amyl acetate											
	0.213	0.204	0.244	0.281	0.224	0.203	0.209		0.266		0.230	12.90
94)	isopropylbenzene											
	1.040	0.982	1.312	1.295	0.990	1.174	0.988	0.847	1.070		1.078	14.35
95)	bromoform											
	0.176	0.164	0.266	0.236	0.173	0.245	0.185	0.167	0.195	0.220	0.203	17.99
96)	cis-1,4-dichloro-2-butene											
	0.137	0.118	0.194	0.191	0.129	0.162	0.128		0.148		0.151	19.17
97)	I 1,4-dichlorobenzene-d -----ISTD-----											
98)	4-bromofluorobenzene (s)											
	0.834	0.855	0.801	0.686	0.769	0.778	0.853	0.867	0.868	0.871	0.818	7.30
99)	1,1,2,2-tetrachloroethane											
	0.897	0.720	0.672	0.548	0.700	0.652	0.863	0.746	0.966		0.752	17.65
100)	trans-1,4-dichloro-2-butene											
	0.256	0.258	0.238	0.216	0.247	0.228	0.267	0.261	0.302		0.253	9.84
101)	1,2,3-trichloropropane											
	0.237	0.244	0.221	0.169	0.203	0.211	0.226		0.271		0.223	13.56
102)	bromobenzene											
	0.761	0.574	0.599	0.475	0.505	0.619	0.611	0.618	0.686	0.462	0.591	15.69
103)	n-propylbenzene											
	2.824	2.609	2.531	2.119	2.340	2.397	2.640	2.579	2.963		2.556	9.89
104)	2-chlorotoluene											
	0.601	0.552	0.543	0.422	0.484	0.544	0.547	0.404	0.684	0.505	0.529	15.47
105)	4-chlorotoluene											
	1.551	1.525	1.563	1.432	1.389	1.531	1.509	1.637	1.752	1.813	1.570	8.38
106)	1,3,5-trimethylbenzene											
	1.842	1.764	1.850	1.621	1.594	1.806	1.834	1.540	1.980	1.764	1.760	7.71
107)	tert-butylbenzene											
	1.691	1.525	1.593	1.258	1.360	1.612	1.549	1.429	1.811		1.536	11.00
108)	1,2,4-trimethylbenzene											
	1.972	1.736	1.957	1.802	1.633	1.898	1.851	1.688	1.927	1.442	1.791	9.38
109)	sec-butylbenzene											
	2.277	2.066	2.222	1.972	1.917	2.143	2.161	2.051	2.397	1.724	2.093	9.21
110)	p-isopropyltoluene											

Initial Calibration Summary

Job Number: JD62888
Account: FLSNYYNY Fleming-Lee Shue, Inc.
Project: 388 Bridge Street, Brooklyn, NY

Sample: V1R91-ICC0091
Lab FileID: 1R02829.D

	1.939	1.822	2.105	1.947	1.654	2.144	1.866	1.619	2.108	1.970	1.917	9.47
111)	1,2,3-trimethylbenzene											
	1.994	1.762	1.980	1.918	1.699	1.997	1.846	1.804	2.176		1.909	7.68
112)	1,3-dichlorobenzene											
	1.105	1.055	1.232	1.130	0.952	1.331	1.073	1.091	1.301	1.100	1.137	10.30
113)	1,4-dichlorobenzene											
	1.110	1.124	1.194	1.117	0.997	1.290	1.050	1.302	1.193	1.238	1.161	8.59
114)	1,2-dichlorobenzene											
	1.097	1.005	1.116	1.040	0.930	1.174	1.078	0.875	1.189	0.931	1.043	10.24
115)	benzyl chloride											
	1.470	1.354	1.397	1.346	1.295	1.439	1.343	1.318	1.649		1.401	7.75
116)	n-butylbenzene											
	0.877	0.868	0.827	0.828	0.818	0.844	0.850	0.927	0.981	0.800	0.862	6.38
117)	hexachloroethane											
	0.143	0.168	0.246	0.170	0.179		0.204		0.166		0.182	18.27
118)	1,2-dibromo-3-chloropropane											
	0.204	0.199	0.195	0.151	0.184	0.230	0.227	0.204	0.239		0.204	13.25
119)	1,3,5-trichlorobenzene											
	0.692	0.684	0.632	0.458	0.564	0.767	0.688		0.779		0.658	16.10
120)	1,2,4-trichlorobenzene											
	0.577	0.557	0.521	0.406	0.478	0.643	0.555		0.692		0.554	16.18
121)	hexachlorobutadiene											
	0.234	0.202	0.162	0.138	0.185	0.231	0.215		0.242		0.201	18.33
122)	naphthalene											
	2.041	2.020	2.073	1.479	1.743	2.289	2.080		2.456		2.022	14.94
123)	1,2,3-trichlorobenzene											
	0.654	0.549	0.529	0.376	0.474	0.619	0.548		0.636		0.548	16.80
124)	2-methylnaphthalene											
	0.939	0.902	0.745	0.613	0.788	1.025	0.925	0.993	1.025		0.884	15.94

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

M1R0091.M

Thu Mar 30 09:19:01 2023

Initial Calibration Verification

Page 1 of 3

Job Number: JD62888
 Account: FLSNYNY Fleming-Lee Shue, Inc.
 Project: 388 Bridge Street, Brooklyn, NY

Sample: V1R91-ICV0091
 Lab FileID: 1R02839.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\VR0091\1R02839.D Vial: 14
 Acq On : 29 Mar 2023 5:20 am Operator: PrashanS
 Sample : ICV0091-50 Inst : GCMSR
 Misc : MS67262,V1R0091,5,,,,,1 Multiplr: 1.00
 MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M1R0091.M (RTE Integrator)
 Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
 Last Update : Thu Mar 30 09:13:25 2023
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	tert butyl alcohol-d9	1.000	1.000	0.0	108	0.00	3.49
2	ethanol	0.090	0.085	5.6	109	0.00	2.69
3	tertiary butyl alcohol	1.254	1.119	10.8	106	0.00	3.56
4	1,4-dioxane	0.093	0.088	5.4	114	0.00	6.11
5 I	pentafluorobenzene	1.000	1.000	0.0	101	0.00	5.03
6	chlorodifluoromethane			NA			
7	dichlorodifluoromethane	0.353	0.261	26.1	81	0.00	1.64
	----- True	Calc.	% Drift	-----			
8	chloromethane	50.000	36.870	26.3	79	0.00	1.80
	----- AvgRF	CCRF	% Dev	-----			
9	vinyl chloride	0.576	0.420	27.1	84	0.00	1.90
10	1,3-butadiene	0.430	0.447	-4.0	114	0.00	1.93
11	bromomethane	0.322	0.221	31.4#	72	0.00	2.18
12	chloroethane	0.290	0.223	23.1	84	0.00	2.29
13	trichlorofluoromethane	0.441	0.358	18.8	88	0.00	2.54
14	ethyl ether	0.182	0.178	2.2	106	0.00	2.80
15	acrolein	0.105	0.097	7.6	100	0.00	2.94
16	freon 113	0.249	0.230	7.6	102	0.00	3.04
17	1,1-dichloroethene	0.283	0.259	8.5	103	0.00	3.03
18	acetone	0.068	0.062	8.8	116	0.00	3.07
19	acetonitrile	0.092	0.073	20.7	88	0.00	3.33
	----- True	Calc.	% Drift	-----			
20	iodomethane	50.000	44.221	11.6	84	0.00	3.18
	----- AvgRF	CCRF	% Dev	-----			
21	carbon disulfide	0.830	0.787	5.2	109	0.00	3.25
22	methylene chloride	0.308	0.307	0.3	106	0.00	3.50
23	methyl acetate	0.092	0.086	6.5	109	0.00	3.36
24	methyl tert butyl ether	0.880	0.872	0.9	107	0.00	3.73
25	trans-1,2-dichloroethene	0.314	0.306	2.5	107	0.00	3.74
26	hexane	0.266	0.173	35.0#	73	0.00	3.98
27	di-isopropyl ether	1.249	1.262	-1.0	107	0.00	4.14
28	2-butanone	0.080	0.081	-1.3	113	0.00	4.59
29	1,1-dichloroethane	0.589	0.577	2.0	106	0.00	4.13
30	chloroprene	0.508	0.502	1.2	104	0.00	4.19
31	acrylonitrile	0.228	0.227	0.4	100	0.00	3.70
32	vinyl acetate	0.080	0.067	16.2	87	0.00	4.12
33	ethyl tert-butyl ether	0.987	0.967	2.0	101	0.00	4.45

Initial Calibration Verification

Page 2 of 3

Job Number: JD62888
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: 388 Bridge Street, Brooklyn, NY

Sample: V1R91-ICV0091
Lab FileID: 1R02839.D

34		ethyl acetate	0.113	0.115	-1.8	109	0.00	4.62
35		2,2-dichloropropane	0.431	0.400	7.2	106	0.00	4.62
36		cis-1,2-dichloroethene	0.351	0.345	1.7	109	0.00	4.61
37		propionitrile	0.104	0.102	1.9	105	0.00	4.65
38		methyl acrylate	0.085	0.090	-5.9	109	0.00	4.67
39		methacrylonitrile	0.224	0.218	2.7	101	0.00	4.77
40		bromochloromethane	0.166	0.155	6.6	99	0.00	4.81
41		tetrahydrofuran	0.279	0.261	6.5	102	0.00	4.82
42		chloroform	0.577	0.539	6.6	103	0.00	4.89
43		tert-Butyl Formate	0.314	0.239	23.9	73	0.00	4.91
44	S	dibromofluoromethane (s)	0.435	0.453	-4.1	105	0.00	5.02
45		1,1,1-trichloroethane	0.497	0.473	4.8	106	0.00	5.04
46		cyclohexane	0.461	0.387	16.1	87	0.00	5.10
47		isobutyl alcohol	0.042	0.041	2.4	102	0.00	5.21
48		1,1-dichloropropene	0.416	0.414	0.5	105	0.00	5.16
49		carbon tetrachloride	0.414	0.414	0.0	104	0.00	5.16
50		tert-amyl alcohol	0.050	0.048	4.0	106	0.00	5.31
51		isopropyl acetate	0.111	0.108	2.7	106	0.00	5.33
52	I	1,4-difluorobenzene	1.000	1.000	0.0	105	0.00	5.65
53	S	1,2-dichloroethane-d4 (s)	0.291	0.297	-2.1	106	0.00	5.30
54		n-butyl alcohol	0.019	0.019	0.0	106	0.00	5.74
55		2,2,4-trimethylpentane	0.694	0.689	0.7	109	0.00	5.41
56		benzene	0.986	0.939	4.8	105	0.00	5.33
57		tert-amyl methyl ether	0.701	0.663	5.4	101	0.00	5.41
58		heptane	0.157	0.142	9.6	101	0.00	5.54
59		1,2-dichloroethane	0.314	0.289	8.0	100	0.00	5.36
60		ethyl acrylate	0.508	0.500	1.6	105	0.00	5.89
61		trichloroethene	0.249	0.239	4.0	106	0.00	5.85
62		2-chloroethyl vinyl ether	0.214	0.226	-5.6	102	0.00	6.47
63		methyl methacrylate	0.084	0.103	-22.6	141	0.00	6.08
64		methylcyclohexane	0.394	0.406	-3.0	115	0.00	6.05
65		1,2-dichloropropane	0.271	0.270	0.4	108	0.00	6.06
66		dibromomethane	0.168	0.165	1.8	109	0.00	6.13
67		bromodichloromethane	0.299	0.278	7.0	98	0.00	6.27
68		2-nitropropane	0.141	0.133	5.7	101	0.00	6.43
69		epichlorohydrin	0.051	0.049	3.9	100	0.00	6.51
70		cis-1,3-dichloropropene	0.385	0.370	3.9	101	0.00	6.59
71		4-methyl-2-pentanone	0.187	0.204	-9.1	104	0.00	6.69
72		isoamyl alcohol	0.017	0.020	-17.6	107	0.00	6.72
73	I	chlorobenzene-d5	1.000	1.000	0.0	100	0.00	7.82
74	S	toluene-d8 (s)	1.381	1.530	-10.8	100	0.00	6.80
75		toluene	0.648	0.678	-4.6	101	0.00	6.85
76		ethyl methacrylate	0.353	0.327	7.4	91	0.00	7.03
77		trans-1,3-dichloropropene	0.347	0.348	-0.3	103	0.00	7.01
78		1,1,2-trichloroethane	0.203	0.193	4.9	103	0.00	7.15
79		tetrachloroethene	0.255	0.305	-19.6	142	0.00	7.22
80		2-hexanone	0.205	0.209	-2.0	101	0.00	7.29
81		1,3-dichloropropane	0.362	0.354	2.2	103	0.00	7.27
82		butyl acetate	0.268	0.279	-4.1	108	0.00	7.35
83		dibromochloromethane	0.255	0.251	1.6	102	0.00	7.42
84		1,2-dibromoethane	0.242	0.238	1.7	103	0.00	7.51
85		n-butyl ether	1.148	1.216	-5.9	106	0.00	7.87
86		chlorobenzene	0.716	0.676	5.6	100	0.00	7.83
87		1,1,1,2-tetrachloroethane	0.253	0.285	-12.6	105	0.00	7.89
88		ethylbenzene	1.190	1.309	-10.0	105	0.00	7.89
89		m,p-xylene	0.462	0.527	-14.1	103	0.00	7.97
90		o-xylene	0.918	1.074	-17.0	102	0.00	8.22
91		styrene	0.771	0.856	-11.0	88	0.00	8.24

Initial Calibration Verification

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Job Number: JD62888
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: 388 Bridge Street, Brooklyn, NY

Sample: V1R91-ICV0091
Lab FileID: 1R02839.D

92	butyl acrylate	0.602	0.634	-5.3	105	0.00	8.16
93	n-amyl acetate	0.230	0.273	-18.7	98	0.00	8.30
94	isopropylbenzene	1.078	1.303	-20.9	101	0.00	8.45
95	bromoform	0.203	0.232	-14.3	99	0.00	8.36
96	cis-1,4-dichloro-2-butene	0.151	0.176	-16.6	92	0.00	8.48
97 I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	100	0.00	9.26
98 S	4-bromofluorobenzene (s)	0.818	0.644	21.3	94	0.00	8.56
99	1,1,2,2-tetrachloroethane	0.752	0.597	20.6	108	0.00	8.63
100	trans-1,4-dichloro-2-bute	0.253	0.212	16.2	98	0.00	8.66
101	1,2,3-trichloropropane	0.223	0.177	20.6	104	0.00	8.67
102	bromobenzene	0.591	0.443	25.0	93	0.00	8.66
103	n-propylbenzene	2.556	2.096	18.0	99	0.00	8.70
104	2-chlorotoluene	0.529	0.424	19.8	100	0.00	8.77
105	4-chlorotoluene	1.570	1.429	9.0	99	0.00	8.84
106	1,3,5-trimethylbenzene	1.760	1.606	8.7	99	0.00	8.81
107	tert-butylbenzene	1.536	1.247	18.8	99	0.00	9.00
108	1,2,4-trimethylbenzene	1.791	1.805	-0.8	100	0.00	9.03
109	sec-butylbenzene	2.093	1.897	9.4	96	0.00	9.13
110	p-isopropyltoluene	1.917	1.909	0.4	98	0.00	9.22
111	1,2,3-trimethylbenzene			-----NA-----			
112	1,3-dichlorobenzene	1.137	1.103	3.0	97	0.00	9.22
113	1,4-dichlorobenzene	1.161	1.102	5.1	98	0.00	9.28
114	1,2-dichlorobenzene	1.043	0.975	6.5	93	0.00	9.49
115	benzyl chloride	1.401	1.138	18.8	84	0.00	9.34
116	n-butylbenzene	0.862	0.772	10.4	93	0.00	9.45
117	hexachloroethane	0.182	0.184	-1.1	108	0.00	9.65
118	1,2-dibromo-3-chloropropa	0.204	0.148	27.5	98	0.00	9.93
119	1,3,5-trichlorobenzene	0.658	0.493	25.1	107	0.00	10.03
120	1,2,4-trichlorobenzene	0.554	0.416	24.9	102	0.00	10.38
121	hexachlorobutadiene	0.201	0.148	26.4	107	0.00	10.44
122	naphthalene	2.022	1.496	26.0	101	0.00	10.53
123	1,2,3-trichlorobenzene	0.548	0.400	27.0	106	0.00	10.65
124	2-methylnaphthalene	0.884	0.667	24.5	108	0.00	11.13

(#) = Out of Range
1R02829.D M1R0091.M

SPCC's out = 0 CCC's out = 0
Thu Mar 30 09:18:42 2023

6.7.2
6

Initial Calibration Verification

Page 1 of 3

Job Number: JD62888
 Account: FLSNYNY Fleming-Lee Shue, Inc.
 Project: 388 Bridge Street, Brooklyn, NY

Sample: V1R91-ICV0091
 Lab FileID: 1R02841.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\VR0091\1R02841.D Vial: 15
 Acq On : 29 Mar 2023 5:53 am Operator: PrashanS
 Sample : ICV0091-50 Inst : GCMSR
 Misc : MS67262,V1R0091,5,,,,,1 Multiplr: 1.00
 MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M1R0091.M (RTE Integrator)
 Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
 Last Update : Thu Mar 30 09:07:12 2023
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	tert butyl alcohol-d9	1.000	1.000	0.0	113	0.00	3.49
2	ethanol		-----NA-----				
3	tertiary butyl alcohol		-----NA-----				
4	1,4-dioxane		-----NA-----				
5 I	pentafluorobenzene	1.000	1.000	0.0	94	0.00	5.03
6	chlorodifluoromethane	0.381	0.432	-13.4	115	0.00	1.65
7	dichlorodifluoromethane		-----NA-----				
	----- True	Calc.	% Drift	-----			
8	chloromethane		-----NA-----				
	----- AvgRF	CCRF	% Dev	-----			
9	vinyl chloride		-----NA-----				
10	1,3-butadiene		-----NA-----				
11	bromomethane		-----NA-----				
12	chloroethane		-----NA-----				
13	trichlorofluoromethane		-----NA-----				
14	ethyl ether		-----NA-----				
15	acrolein		-----NA-----				
16	freon 113		-----NA-----				
17	1,1-dichloroethene		-----NA-----				
18	acetone		-----NA-----				
19	acetonitrile	0.092	0.099	-7.6	111	0.00	3.33
	----- True	Calc.	% Drift	-----			
20	iodomethane		-----NA-----				
	----- AvgRF	CCRF	% Dev	-----			
21	carbon disulfide		-----NA-----				
22	methylene chloride		-----NA-----				
23	methyl acetate		-----NA-----				
24	methyl tert butyl ether		-----NA-----				
25	trans-1,2-dichloroethene		-----NA-----				
26	hexane		-----NA-----				
27	di-isopropyl ether		-----NA-----				
28	2-butanone		-----NA-----				
29	1,1-dichloroethane		-----NA-----				
30	chloroprene		-----NA-----				
31	acrylonitrile	0.228	0.239	-4.8	98	0.00	3.70
32	vinyl acetate		-----NA-----				
33	ethyl tert-butyl ether		-----NA-----				

Initial Calibration Verification

Page 2 of 3

Job Number: JD62888
 Account: FLSNYNY Fleming-Lee Shue, Inc.
 Project: 388 Bridge Street, Brooklyn, NY

Sample: V1R91-ICV0091
 Lab FileID: 1R02841.D

34	ethyl acetate							
35	2,2-dichloropropane							
36	cis-1,2-dichloroethene							
37	propionitrile							
38	methyl acrylate							
39	methacrylonitrile							
40	bromochloromethane							
41	tetrahydrofuran							
42	chloroform							
43	tert-Butyl Formate							
44 S	dibromofluoromethane (s)	0.435	0.442	-1.6	95	0.00	5.02	
45	1,1,1-trichloroethane							
46	cyclohexane							
47	isobutyl alcohol							
48	1,1-dichloropropene							
49	carbon tetrachloride							
50	tert-amyl alcohol							
51	isopropyl acetate							
52 I	1,4-difluorobenzene	1.000	1.000	0.0	98	0.00	5.66	
53 S	1,2-dichloroethane-d4 (s)	0.291	0.283	2.7	95	0.00	5.30	
54	n-butyl alcohol							
55	2,2,4-trimethylpentane							
56	benzene							
57	tert-amyl methyl ether							
58	heptane							
59	1,2-dichloroethane							
60	ethyl acrylate							
61	trichloroethene							
62	2-chloroethyl vinyl ether							
63	methyl methacrylate							
64	methylcyclohexane							
65	1,2-dichloropropane							
66	dibromomethane							
67	bromodichloromethane							
68	2-nitropropane							
69	epichlorohydrin							
70	cis-1,3-dichloropropene							
71	4-methyl-2-pentanone							
72	isoamyl alcohol							
73 I	chlorobenzene-d5	1.000	1.000	0.0	88	0.00	7.82	
74 S	toluene-d8 (s)	1.381	1.334	3.4	77	0.00	6.80	
75	toluene							
76	ethyl methacrylate							
77	trans-1,3-dichloropropene							
78	1,1,2-trichloroethane							
79	tetrachloroethene	0.255	0.198	22.4	81	0.00	7.22	
80	2-hexanone							
81	1,3-dichloropropane							
82	butyl acetate							
83	dibromochloromethane							
84	1,2-dibromoethane							
85	n-butyl ether							
86	chlorobenzene							
87	1,1,1,2-tetrachloroethane							
88	ethylbenzene							
89	m,p-xylene							
90	o-xylene							
91	styrene							

Initial Calibration Verification

Page 3 of 3

Job Number: JD62888
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: 388 Bridge Street, Brooklyn, NY

Sample: V1R91-ICV0091
Lab FileID: 1R02841.D

92	butyl acrylate							
93	n-amyl acetate							
94	isopropylbenzene							
95	bromoform							
96	cis-1,4-dichloro-2-butene							
97 I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	59	0.00	9.26	
98 S	4-bromofluorobenzene (s)	0.818	0.865	-5.7	74	0.00	8.56	
99	1,1,2,2-tetrachloroethane							
100	trans-1,4-dichloro-2-bute							
101	1,2,3-trichloropropane							
102	bromobenzene							
103	n-propylbenzene							
104	2-chlorotoluene							
105	4-chlorotoluene							
106	1,3,5-trimethylbenzene							
107	tert-butylbenzene							
108	1,2,4-trimethylbenzene							
109	sec-butylbenzene							
110	p-isopropyltoluene							
111	1,2,3-trimethylbenzene	1.909	1.967	-3.0	60	0.00	9.28	
112	1,3-dichlorobenzene							
113	1,4-dichlorobenzene							
114	1,2-dichlorobenzene							
115	benzyl chloride							
116	n-butylbenzene							
117	hexachloroethane							
118	1,2-dibromo-3-chloropropa							
119	1,3,5-trichlorobenzene							
120	1,2,4-trichlorobenzene							
121	hexachlorobutadiene							
122	naphthalene							
123	1,2,3-trichlorobenzene							
124	2-methylnaphthalene							

(#) = Out of Range
1R02829.D M1R0091.M

SPCC's out = 0 CCC's out = 0
Thu Mar 30 09:11:41 2023

Initial Calibration Verification

Page 1 of 3

Job Number: JD62888
 Account: FLSNYNY Fleming-Lee Shue, Inc.
 Project: 388 Bridge Street, Brooklyn, NY

Sample: V1R91-ICV0091
 Lab FileID: 1R02847.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\VR0091\1R02847.D Vial: 19
 Acq On : 29 Mar 2023 5:25 pm Operator: PrashanS
 Sample : icv0091-50 Inst : GCMSR
 Misc : MS67262,V1R0091,5,,,,,1 Multiplr: 1.00
 MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M1R0091.M (RTE Integrator)
 Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
 Last Update : Thu Mar 30 09:13:25 2023
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	tert butyl alcohol-d9	1.000	1.000	0.0	89	-0.01	3.48
2	ethanol		-----NA-----				
3	tertiary butyl alcohol		-----NA-----				
4	1,4-dioxane		-----NA-----				
5 I	pentafluorobenzene	1.000	1.000	0.0	81	-0.01	5.02
6	chlorodifluoromethane		-----NA-----				
7	dichlorodifluoromethane	0.353	0.348	1.4	86	0.00	1.63
	----- True	Calc.	% Drift	-----			
8	chloromethane	50.000	58.022	-16.0	95	0.00	1.80
	----- AvgRF	CCRF	% Dev	-----			
9	vinyl chloride	0.576	0.583	-1.2	93	0.00	1.89
10	1,3-butadiene		-----NA-----				
11	bromomethane	0.322	0.263	18.3	68	0.00	2.18
12	chloroethane	0.290	0.249	14.1	75	-0.01	2.28
13	trichlorofluoromethane	0.441	0.416	5.7	82	0.00	2.53
14	ethyl ether		-----NA-----				
15	acrolein		-----NA-----				
16	freon 113		-----NA-----				
17	1,1-dichloroethene		-----NA-----				
18	acetone		-----NA-----				
19	acetonitrile		-----NA-----				
	----- True	Calc.	% Drift	-----			
20	iodomethane		-----NA-----				
	----- AvgRF	CCRF	% Dev	-----			
21	carbon disulfide		-----NA-----				
22	methylene chloride		-----NA-----				
23	methyl acetate		-----NA-----				
24	methyl tert butyl ether		-----NA-----				
25	trans-1,2-dichloroethene		-----NA-----				
26	hexane		-----NA-----				
27	di-isopropyl ether		-----NA-----				
28	2-butanone		-----NA-----				
29	1,1-dichloroethane		-----NA-----				
30	chloroprene		-----NA-----				
31	acrylonitrile		-----NA-----				
32	vinyl acetate		-----NA-----				
33	ethyl tert-butyl ether		-----NA-----				

Initial Calibration Verification

Page 2 of 3

Job Number: JD62888
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: 388 Bridge Street, Brooklyn, NY

Sample: V1R91-ICV0091
Lab FileID: 1R02847.D

34	ethyl acetate			-----NA-----				
35	2,2-dichloropropane			-----NA-----				
36	cis-1,2-dichloroethene			-----NA-----				
37	propionitrile			-----NA-----				
38	methyl acrylate			-----NA-----				
39	methacrylonitrile			-----NA-----				
40	bromochloromethane			-----NA-----				
41	tetrahydrofuran			-----NA-----				
42	chloroform			-----NA-----				
43	tert-Butyl Formate			-----NA-----				
44 S	dibromofluoromethane (s)	0.435	0.434	0.2	80	-0.01	5.01	
45	1,1,1-trichloroethane			-----NA-----				
46	cyclohexane			-----NA-----				
47	isobutyl alcohol			-----NA-----				
48	1,1-dichloropropene			-----NA-----				
49	carbon tetrachloride			-----NA-----				
50	tert-amyl alcohol			-----NA-----				
51	isopropyl acetate			-----NA-----				
52 I	1,4-difluorobenzene	1.000	1.000	0.0	83	-0.01	5.64	
53 S	1,2-dichloroethane-d4 (s)	0.291	0.270	7.2	77	-0.01	5.29	
54	n-butyl alcohol			-----NA-----				
55	2,2,4-trimethylpentane			-----NA-----				
56	benzene			-----NA-----				
57	tert-amyl methyl ether			-----NA-----				
58	heptane			-----NA-----				
59	1,2-dichloroethane			-----NA-----				
60	ethyl acrylate			-----NA-----				
61	trichloroethene			-----NA-----				
62	2-chloroethyl vinyl ether			-----NA-----				
63	methyl methacrylate			-----NA-----				
64	methylcyclohexane			-----NA-----				
65	1,2-dichloropropane			-----NA-----				
66	dibromomethane			-----NA-----				
67	bromodichloromethane			-----NA-----				
68	2-nitropropane			-----NA-----				
69	epichlorohydrin			-----NA-----				
70	cis-1,3-dichloropropene			-----NA-----				
71	4-methyl-2-pentanone			-----NA-----				
72	isoamyl alcohol			-----NA-----				
73 I	chlorobenzene-d5	1.000	1.000	0.0	73	0.00	7.81	
74 S	toluene-d8 (s)	1.381	1.336	3.3	64	0.00	6.79	
75	toluene			-----NA-----				
76	ethyl methacrylate			-----NA-----				
77	trans-1,3-dichloropropene			-----NA-----				
78	1,1,2-trichloroethane			-----NA-----				
79	tetrachloroethene			-----NA-----				
80	2-hexanone			-----NA-----				
81	1,3-dichloropropane			-----NA-----				
82	butyl acetate			-----NA-----				
83	dibromochloromethane			-----NA-----				
84	1,2-dibromoethane			-----NA-----				
85	n-butyl ether			-----NA-----				
86	chlorobenzene			-----NA-----				
87	1,1,1,2-tetrachloroethane			-----NA-----				
88	ethylbenzene			-----NA-----				
89	m,p-xylene			-----NA-----				
90	o-xylene			-----NA-----				
91	styrene			-----NA-----				

Initial Calibration Verification

Page 3 of 3

Job Number: JD62888
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: 388 Bridge Street, Brooklyn, NY

Sample: V1R91-ICV0091
Lab FileID: 1R02847.D

92	butyl acrylate	-----	NA-----					
93	n-amyl acetate	-----	NA-----					
94	isopropylbenzene	-----	NA-----					
95	bromoform	-----	NA-----					
96	cis-1,4-dichloro-2-butene	-----	NA-----					
97 I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	50	0.00	9.26	
98 S	4-bromofluorobenzene (s)	0.818	0.856	-4.6	63	0.00	8.56	
99	1,1,2,2-tetrachloroethane	-----	NA-----					
100	trans-1,4-dichloro-2-bute	-----	NA-----					
101	1,2,3-trichloropropane	-----	NA-----					
102	bromobenzene	-----	NA-----					
103	n-propylbenzene	-----	NA-----					
104	2-chlorotoluene	-----	NA-----					
105	4-chlorotoluene	-----	NA-----					
106	1,3,5-trimethylbenzene	-----	NA-----					
107	tert-butylbenzene	-----	NA-----					
108	1,2,4-trimethylbenzene	-----	NA-----					
109	sec-butylbenzene	-----	NA-----					
110	p-isopropyltoluene	-----	NA-----					
111	1,2,3-trimethylbenzene	-----	NA-----					
112	1,3-dichlorobenzene	-----	NA-----					
113	1,4-dichlorobenzene	-----	NA-----					
114	1,2-dichlorobenzene	-----	NA-----					
115	benzyl chloride	-----	NA-----					
116	n-butylbenzene	-----	NA-----					
117	hexachloroethane	-----	NA-----					
118	1,2-dibromo-3-chloropropa	-----	NA-----					
119	1,3,5-trichlorobenzene	-----	NA-----					
120	1,2,4-trichlorobenzene	-----	NA-----					
121	hexachlorobutadiene	-----	NA-----					
122	naphthalene	-----	NA-----					
123	1,2,3-trichlorobenzene	-----	NA-----					
124	2-methylnaphthalene	-----	NA-----					

(#) = Out of Range
1R02829.D M1R0091.M

SPCC's out = 0 CCC's out = 0
Thu Mar 30 09:23:24 2023

6.7.4
6

Continuing Calibration Summary

Page 1 of 3

Job Number: JD62888
 Account: FLSNYNY Fleming-Lee Shue, Inc.
 Project: 388 Bridge Street, Brooklyn, NY

Sample: V1R100-CC91
 Lab FileID: 1R03013.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\Me...2023\VR0100\1R03013.D Vial: 2
 Acq On : 4 Apr 2023 9:38 am Operator: nickw
 Sample : cc91-20 Inst : GCMSR
 Misc : MS67909,V1R0100,5,,,,,1 Multiplr: 1.00
 MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M1R0091.M (RTE Integrator)
 Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
 Last Update : Thu Mar 30 09:13:25 2023
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	tert butyl alcohol-d9	1.000	1.000	0.0	130	-0.01	3.48
2	ethanol	0.090	0.096	-6.7	139	-0.01	2.68
3	tertiary butyl alcohol	1.254	1.174	6.4	137	-0.01	3.56
4	1,4-dioxane	0.093	0.086	7.5	137	-0.01	6.11
5 I	pentafluorobenzene	1.000	1.000	0.0	112	-0.01	5.02
6	chlorodifluoromethane	0.381	0.313	17.8	93	0.00	1.65
7	dichlorodifluoromethane	0.353	0.367	-4.0	123	0.00	1.63
----- True Calc. % Drift -----							
8	chloromethane	20.000	16.338	18.3	95	0.00	1.79
----- AvgRF CCRF % Dev -----							
9	vinyl chloride	0.576	0.409	29.0#	84	0.00	1.89
10	1,3-butadiene	0.430	0.261	39.3#	70	0.00	1.93
11	bromomethane	0.322	0.242	24.8#	92	0.00	2.18
12	chloroethane	0.290	0.233	19.7	96	0.00	2.29
13	trichlorofluoromethane	0.441	0.482	-9.3	131	0.00	2.53
14	ethyl ether	0.182	0.180	1.1	119	-0.01	2.79
15	acrolein	0.105	0.110	-4.8	125	0.00	2.93
16	freon 113	0.249	0.233	6.4	121	-0.01	3.03
17	1,1-dichloroethene	0.283	0.283	0.0	126	-0.01	3.03
18	acetone	0.068	0.087	-27.9#	146	0.00	3.06
19	acetonitrile	0.092	0.103	-12.0	129	-0.01	3.32
----- True Calc. % Drift -----							
20	iodomethane	20.000	12.534	37.3#	68	0.00	3.17
----- AvgRF CCRF % Dev -----							
21	carbon disulfide	0.830	0.740	10.8	110	-0.01	3.24
22	methylene chloride	0.308	0.320	-3.9	124	-0.01	3.48
23	methyl acetate	0.092	0.095	-3.3	125	0.00	3.35
24	methyl tert butyl ether	0.880	0.916	-4.1	131	-0.01	3.72
25	trans-1,2-dichloroethene	0.314	0.307	2.2	122	0.00	3.73
26	hexane	0.266	0.254	4.5	122	-0.01	3.97
27	di-isopropyl ether	1.249	1.261	-1.0	126	-0.01	4.13
28	2-butanone	0.080	0.093	-16.2	134	-0.01	4.58
29	1,1-dichloroethane	0.589	0.570	3.2	121	-0.01	4.12
30	chloroprene	0.508	0.508	0.0	132	-0.01	4.18
31	acrylonitrile	0.228	0.241	-5.7	119	-0.01	3.69
32	vinyl acetate	0.080	0.084	-5.0	141	-0.01	4.11
33	ethyl tert-butyl ether	0.987	1.065	-7.9	133	-0.01	4.44

Continuing Calibration Summary

Job Number: JD62888
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: 388 Bridge Street, Brooklyn, NY

Sample: V1R100-CC91
Lab FileID: 1R03013.D

Page 2 of 3

34		ethyl acetate	0.113	0.106	6.2	113	-0.01	4.60
35		2,2-dichloropropane	0.431	0.451	-4.6	138	-0.01	4.61
36		cis-1,2-dichloroethene	0.351	0.361	-2.8	131	-0.01	4.60
37		propionitrile	0.104	0.107	-2.9	124	-0.01	4.64
38		methyl acrylate	0.085	0.088	-3.5	128	-0.01	4.65
39		methacrylonitrile	0.224	0.229	-2.2	133	-0.01	4.77
40		bromochloromethane	0.166	0.177	-6.6	141	0.00	4.81
41		tetrahydrofuran	0.279	0.250	10.4	111	-0.01	4.81
42		chloroform	0.577	0.577	0.0	132	-0.01	4.88
43		tert-Butyl Formate	0.314	0.345	-9.9	139	-0.01	4.90
44	S	dibromofluoromethane (s)	0.435	0.471	-8.3	122	0.00	5.01
45		1,1,1-trichloroethane	0.497	0.484	2.6	123	-0.01	5.02
46		cyclohexane	0.461	0.469	-1.7	123	-0.01	5.08
47		isobutyl alcohol	0.042	0.048	-14.3	127	-0.01	5.20
48		1,1-dichloropropene	0.416	0.422	-1.4	122	-0.01	5.15
49		carbon tetrachloride	0.414	0.426	-2.9	126	-0.01	5.15
50		tert-amyl alcohol	0.050	0.058	-16.0	128	-0.02	5.30
51		isopropyl acetate	0.111	0.115	-3.6	128	-0.01	5.32
52	I	1,4-difluorobenzene	1.000	1.000	0.0	121	-0.01	5.64
53	S	1,2-dichloroethane-d4 (s)	0.291	0.302	-3.8	127	-0.01	5.29
54		n-butyl alcohol	0.019	0.019	0.0	130	-0.02	5.73
55		2,2,4-trimethylpentane	0.694	0.589	15.1	116	-0.01	5.40
56		benzene	0.986	0.842	14.6	118	-0.01	5.32
57		tert-amyl methyl ether	0.701	0.660	5.8	128	-0.01	5.41
58		heptane	0.157	0.132	15.9	117	-0.01	5.54
59		1,2-dichloroethane	0.314	0.293	6.7	136	-0.01	5.35
60		ethyl acrylate	0.508	0.450	11.4	124	0.00	5.89
61		trichloroethene	0.249	0.229	8.0	125	-0.01	5.84
62		2-chloroethyl vinyl ether	0.214	0.190	11.2	119	-0.01	6.46
63		methyl methacrylate	0.084	0.080	4.8	137	-0.02	6.07
64		methylcyclohexane	0.394	0.334	15.2	121	0.00	6.04
65		1,2-dichloropropane	0.271	0.231	14.8	119	-0.01	6.05
66		dibromomethane	0.168	0.150	10.7	132	-0.01	6.13
67		bromodichloromethane	0.299	0.279	6.7	132	-0.01	6.25
68		2-nitropropane	0.141	0.126	10.6	127	0.00	6.42
69		epichlorohydrin	0.051	0.053	-3.9	141	-0.01	6.50
70		cis-1,3-dichloropropene	0.385	0.356	7.5	127	-0.01	6.59
71		4-methyl-2-pentanone	0.187	0.170	9.1	119	-0.01	6.68
72		isoamyl alcohol	0.017	0.017	0.0	126	-0.01	6.72
73	I	chlorobenzene-d5	1.000	1.000	0.0	124	0.00	7.81
74	S	toluene-d8 (s)	1.381	1.298	6.0	116	0.00	6.79
75		toluene	0.648	0.565	12.8	116	-0.01	6.84
76		ethyl methacrylate	0.353	0.342	3.1	123	-0.01	7.02
77		trans-1,3-dichloropropene	0.347	0.342	1.4	129	0.00	7.00
78		1,1,2-trichloroethane	0.203	0.186	8.4	127	0.00	7.15
79		tetrachloroethene	0.255	0.227	11.0	126	0.00	7.21
80		2-hexanone	0.205	0.193	5.9	121	0.00	7.28
81		1,3-dichloropropane	0.362	0.341	5.8	125	0.00	7.26
82		butyl acetate	0.268	0.247	7.8	122	-0.01	7.35
83		dibromochloromethane	0.255	0.252	1.2	136	0.00	7.41
84		1,2-dibromoethane	0.242	0.254	-5.0	139	0.00	7.51
85		n-butyl ether	1.148	0.979	14.7	110	0.00	7.86
86		chlorobenzene	0.716	0.659	8.0	125	0.00	7.83
87		1,1,1,2-tetrachloroethane	0.253	0.230	9.1	124	0.00	7.88
88		ethylbenzene	1.190	1.067	10.3	120	0.00	7.88
89		m,p-xylene	0.462	0.417	9.7	122	0.00	7.97
90		o-xylene	0.918	0.836	8.9	124	0.00	8.22
91		styrene	0.771	0.710	7.9	123	0.00	8.23

6.7.5
6

Continuing Calibration Summary

Page 3 of 3

Job Number: JD62888
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: 388 Bridge Street, Brooklyn, NY

Sample: V1R100-CC91
Lab FileID: 1R03013.D

92	butyl acrylate	0.602	0.568	5.6	121	0.00	8.16
93	n-amyl acetate	0.230	0.203	11.7	112	0.00	8.29
94	isopropylbenzene	1.078	1.039	3.6	130	0.00	8.44
95	bromoform	0.203	0.183	9.9	131	0.00	8.36
96	cis-1,4-dichloro-2-butene	0.151	0.145	4.0	140	0.00	8.48
97 I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	116	0.00	9.26
98 S	4-bromofluorobenzene (s)	0.818	0.833	-1.8	125	0.00	8.56
99	1,1,2,2-tetrachloroethane	0.752	0.716	4.8	118	0.00	8.63
100	trans-1,4-dichloro-2-bute	0.253	0.238	5.9	112	0.00	8.65
101	1,2,3-trichloropropane	0.223	0.232	-4.0	132	0.00	8.67
102	bromobenzene	0.591	0.582	1.5	133	0.00	8.66
103	n-propylbenzene	2.556	2.446	4.3	121	0.00	8.70
104	2-chlorotoluene	0.529	0.545	-3.0	130	0.00	8.77
105	4-chlorotoluene	1.570	1.481	5.7	123	0.00	8.84
106	1,3,5-trimethylbenzene	1.760	1.683	4.4	122	0.00	8.80
107	tert-butylbenzene	1.536	1.490	3.0	127	0.00	9.00
108	1,2,4-trimethylbenzene	1.791	1.750	2.3	124	0.00	9.03
109	sec-butylbenzene	2.093	2.076	0.8	125	0.00	9.13
110	p-isopropyltoluene	1.917	1.812	5.5	127	0.00	9.21
111	1,2,3-trimethylbenzene	1.909	1.767	7.4	120	0.00	9.28
112	1,3-dichlorobenzene	1.137	1.058	6.9	129	0.00	9.22
113	1,4-dichlorobenzene	1.161	1.039	10.5	121	0.00	9.27
114	1,2-dichlorobenzene	1.043	1.040	0.3	129	0.00	9.48
115	benzyl chloride	1.401	1.509	-7.7	135	0.00	9.33
116	n-butylbenzene	0.862	0.793	8.0	112	0.00	9.45
117	hexachloroethane	0.182	0.186	-2.2	121	0.00	9.65
118	1,2-dibromo-3-chloropropa	0.204	0.228	-11.8	143	0.00	9.93
119	1,3,5-trichlorobenzene	0.658	0.647	1.7	133	0.00	10.02
120	1,2,4-trichlorobenzene	0.554	0.550	0.7	133	0.00	10.38
121	hexachlorobutadiene	0.201	0.190	5.5	119	0.00	10.44
122	naphthalene	2.022	2.068	-2.3	137	0.00	10.53
123	1,2,3-trichlorobenzene	0.548	0.542	1.1	132	0.00	10.65
124	2-methylnaphthalene	0.884	0.925	-4.6	136	0.00	11.13

(#) = Out of Range
 1R02827.D M1R0091.M

SPCC's out = 0 CCC's out = 0
 Thu Apr 06 16:37:46 2023

Run Sequence Report

Page 1 of 1

Job Number: JD62888

Account: FLSNYYY Fleming-Lee Shue, Inc.

Project: 388 Bridge Street, Brooklyn, NY

Run ID: V1R100	Method: SW846 8260D	Instrument ID: GCMS1R
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Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V1R100-BFB	1R03013.D	04/04/23 09:38	n/a	BFB Tune
V1R100-CC91	1R03013.D	04/04/23 09:38	n/a	Continuing cal 20
V1R100-BS	1R03015.D	04/04/23 10:34	n/a	Blank Spike
V1R100-MB	1R03017.D	04/04/23 11:25	n/a	Method Blank
ZZZZZZ	1R03018.D	04/04/23 11:54	n/a	(unrelated sample)
ZZZZZZ	1R03018R.D	04/04/23 11:54	n/a	(unrelated sample)
ZZZZZZ	1R03019.D	04/04/23 12:20	n/a	(unrelated sample)
ZZZZZZ	1R03019R.D	04/04/23 12:20	n/a	(unrelated sample)
ZZZZZZ	1R03020.D	04/04/23 12:46	n/a	(unrelated sample)
ZZZZZZ	1R03021.D	04/04/23 13:11	n/a	(unrelated sample)
ZZZZZZ	1R03021R.D	04/04/23 13:11	n/a	(unrelated sample)
ZZZZZZ	1R03022.D	04/04/23 13:37	n/a	(unrelated sample)
ZZZZZZ	1R03023.D	04/04/23 14:03	n/a	(unrelated sample)
ZZZZZZ	1R03024.D	04/04/23 14:28	n/a	(unrelated sample)
ZZZZZZ	1R03025.D	04/04/23 14:54	n/a	(unrelated sample)
ZZZZZZ	1R03026.D	04/04/23 15:19	n/a	(unrelated sample)
JD62888-1	1R03027.D	04/04/23 15:45	n/a	SVE-1
JD62953-1MS	1R03028.D	04/04/23 16:11	n/a	Matrix Spike
JD62953-1MSD	1R03029.D	04/04/23 16:36	n/a	Matrix Spike Duplicate
JD62888-4	1R03031.D	04/04/23 17:28	n/a	FB-1
JD62888-5	1R03032.D	04/04/23 17:53	n/a	TRIP BLANK
JD62953-1	1R03033.D	04/04/23 18:19	n/a	(used for QC only; not part of job JD62888)
JD62888-2	1R03034.D	04/04/23 18:45	n/a	SVE-4
JD62888-3	1R03035.D	04/04/23 19:10	n/a	SVE-5
ZZZZZZ	1R03036.D	04/04/23 19:36	n/a	(unrelated sample)
ZZZZZZ	1R03037.D	04/04/23 20:01	n/a	(unrelated sample)
ZZZZZZ	1R03038.D	04/04/23 20:27	n/a	(unrelated sample)
ZZZZZZ	1R03039.D	04/04/23 20:53	n/a	(unrelated sample)
ZZZZZZ	1R03040.D	04/04/23 21:18	n/a	(unrelated sample)

6.8.1

6

Run Sequence Report

Page 1 of 1

Job Number: JD62888

Account: FLSNYYNY Fleming-Lee Shue, Inc.

Project: 388 Bridge Street, Brooklyn, NY

Run ID: V1R91	Method: SW846 8260D	Instrument ID: GCMS1R
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Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V1R91-BFB	1R02813.D	03/28/23 21:55	n/a	BFB Tune
V1R91-IC0091	1R02815.D	03/28/23 22:46	n/a	Initial cal 0.2
V1R91-IC0091	1R02817.D	03/28/23 23:19	n/a	Initial cal 0.5
V1R91-IC0091	1R02819.D	03/28/23 23:52	n/a	Initial cal 1
V1R91-IC0091	1R02821.D	03/29/23 00:25	n/a	Initial cal 2
V1R91-IC0091	1R02823.D	03/29/23 00:58	n/a	Initial cal 4
V1R91-IC0091	1R02825.D	03/29/23 01:31	n/a	Initial cal 8
V1R91-IC0091	1R02827.D	03/29/23 02:04	n/a	Initial cal 20
V1R91-ICC0091	1R02829.D	03/29/23 02:37	n/a	Initial cal 50
V1R91-IC0091	1R02831.D	03/29/23 03:10	n/a	Initial cal 100
V1R91-IC0091	1R02833.D	03/29/23 03:42	n/a	Initial cal 200
V1R91-ICV0091	1R02839.D	03/29/23 05:20	n/a	Initial cal verification 50
V1R91-ICV0091	1R02841.D	03/29/23 05:53	n/a	Initial cal verification 50
V1R91-BFB2	1R02846.D	03/29/23 16:59	n/a	BFB Tune
V1R91-ICV0091	1R02847.D	03/29/23 17:25	n/a	Initial cal verification 50

6.8.2

6



MS Volatiles

Raw Data

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Mei 04-06-2023\VR0100\
Data File : 1R03027.D
Acq On : 4 Apr 2023 3:45 pm
Operator : nickw
Sample : jd62888-1
Misc : MS67955,V1R0100,5,,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 06 17:03:11 2023
Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M
Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Thu Mar 30 09:13:25 2023
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) tert butyl alcohol-d9	3.491	65	590128	500.00	ug/L	0.00
5) pentafluorobenzene	5.030	168	553552	50.00	ug/L	0.00
52) 1,4-difluorobenzene	5.651	114	865233	50.00	ug/L	0.00
73) chlorobenzene-d5	7.816	117	839012	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	9.264	152	372781	50.00	ug/L	0.00

System Monitoring Compounds

44) dibromofluoromethane (s)	5.018	113	263310	54.73	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery	=	109.46%	
53) 1,2-dichloroethane-d4 (s)	5.298	65	270684	53.81	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery	=	107.62%	
74) toluene-d8 (s)	6.800	98	1094401	47.24	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery	=	94.48%	
98) 4-bromofluorobenzene (s)	8.565	174	311494	51.06	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery	=	102.12%	

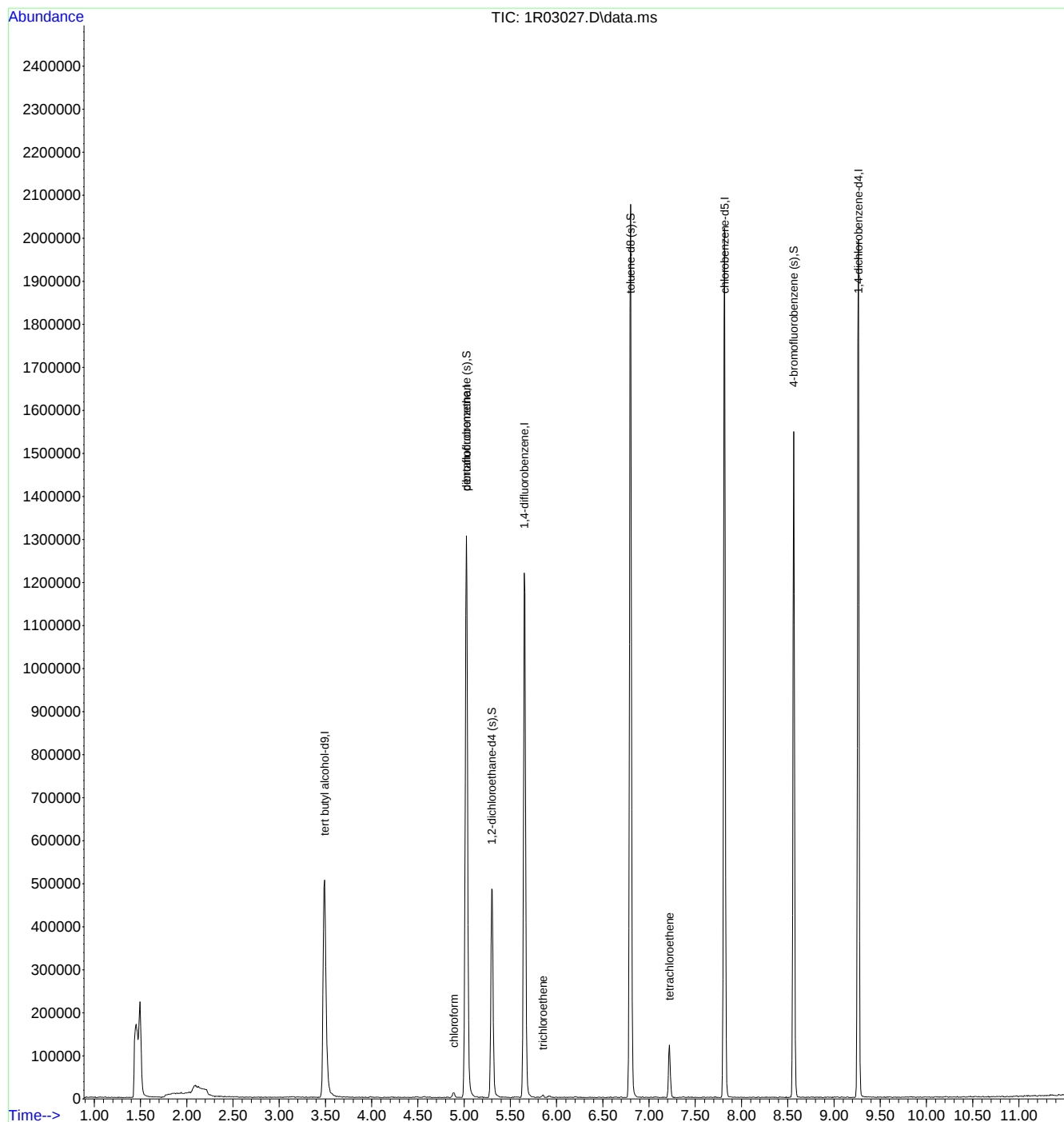
Target Compounds					Qvalue
42) chloroform	4.890	83	7565	1.19 ug/L	79
61) trichloroethene	5.851	95	1574	0.37 ug/L #	63
79) tetrachloroethene	7.220	164	20820	4.86 ug/L	96

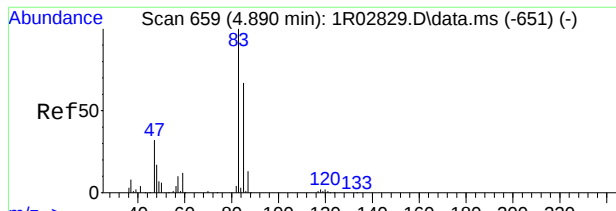
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Mei 04-06-2023\VR0100\
Data File : 1R03027.D
Acq On : 4 Apr 2023 3:45 pm
Operator : nickw
Sample : jd62888-1
Misc : MS67955,V1R0100,5,,,,,1
ALS Vial : 16 Sample Multiplier: 1

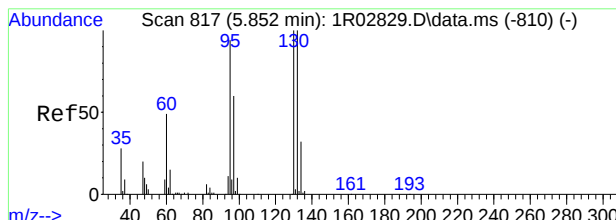
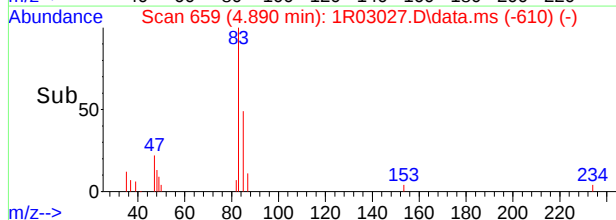
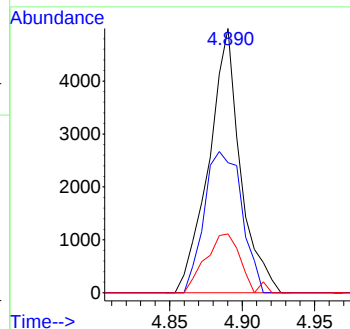
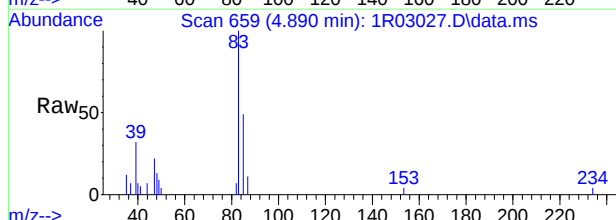
Quant Time: Apr 06 17:03:11 2023
Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M
Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Thu Mar 30 09:13:25 2023
Response via : Initial Calibration





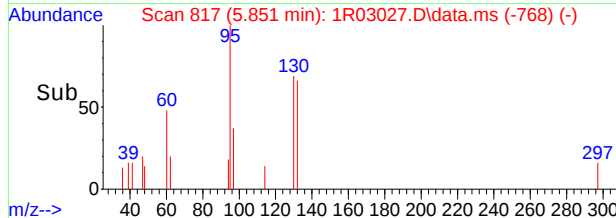
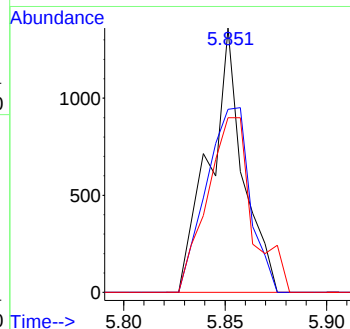
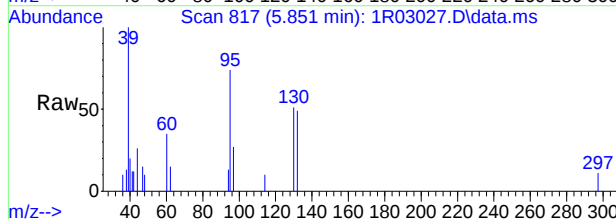
#42
chloroform
Concen: 1.19 ug/L
RT: 4.890 min Scan# 659
Delta R.T. 0.000 min
Lab File: 1R03027.D
Acq: 4 Apr 2023 3:45 pm

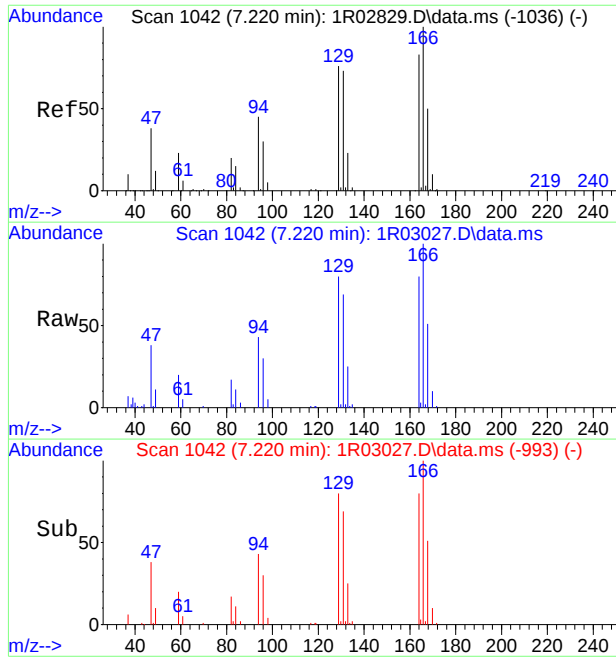
Tgt Ion: 83	Resp: 7565
Ion Ratio	Lower Upper
83 100	
85 49.1	36.6 96.6
47 22.3	2.5 62.5



#61
trichloroethene
Concen: 0.37 ug/L
RT: 5.851 min Scan# 817
Delta R.T. -0.001 min
Lab File: 1R03027.D
Acq: 4 Apr 2023 3:45 pm

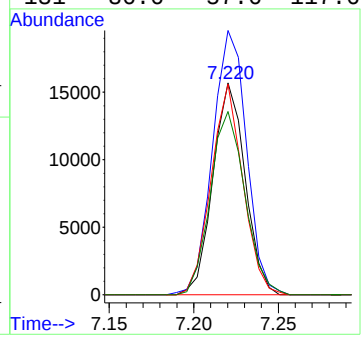
Tgt Ion: 95	Resp: 1574
Ion Ratio	Lower Upper
95 100	
130 69.2	76.7 136.7#
132 66.1	76.3 136.3#





#79
tetrachloroethene
Concen: 4.86 ug/L
RT: 7.220 min Scan# 1042
Delta R.T. 0.000 min
Lab File: 1R03027.D
Acq: 4 Apr 2023 3:45 pm

Tgt Ion:	164	Resp:	20820
Ion	Ratio	Lower	Upper
164	100		
166	124.8	90.9	150.9
129	99.5	61.6	121.6
131	86.6	57.6	117.6



7.1.1
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Mei 04-06-2023\VR0100\
 Data File : 1R03034.D
 Acq On : 4 Apr 2023 6:45 pm
 Operator : nickw
 Sample : jd62888-2
 Misc : MS67891,V1R0100,5,,,,,1
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Apr 06 17:21:31 2023
 Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M
 Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
 QLast Update : Thu Mar 30 09:13:25 2023
 Response via : Initial Calibration

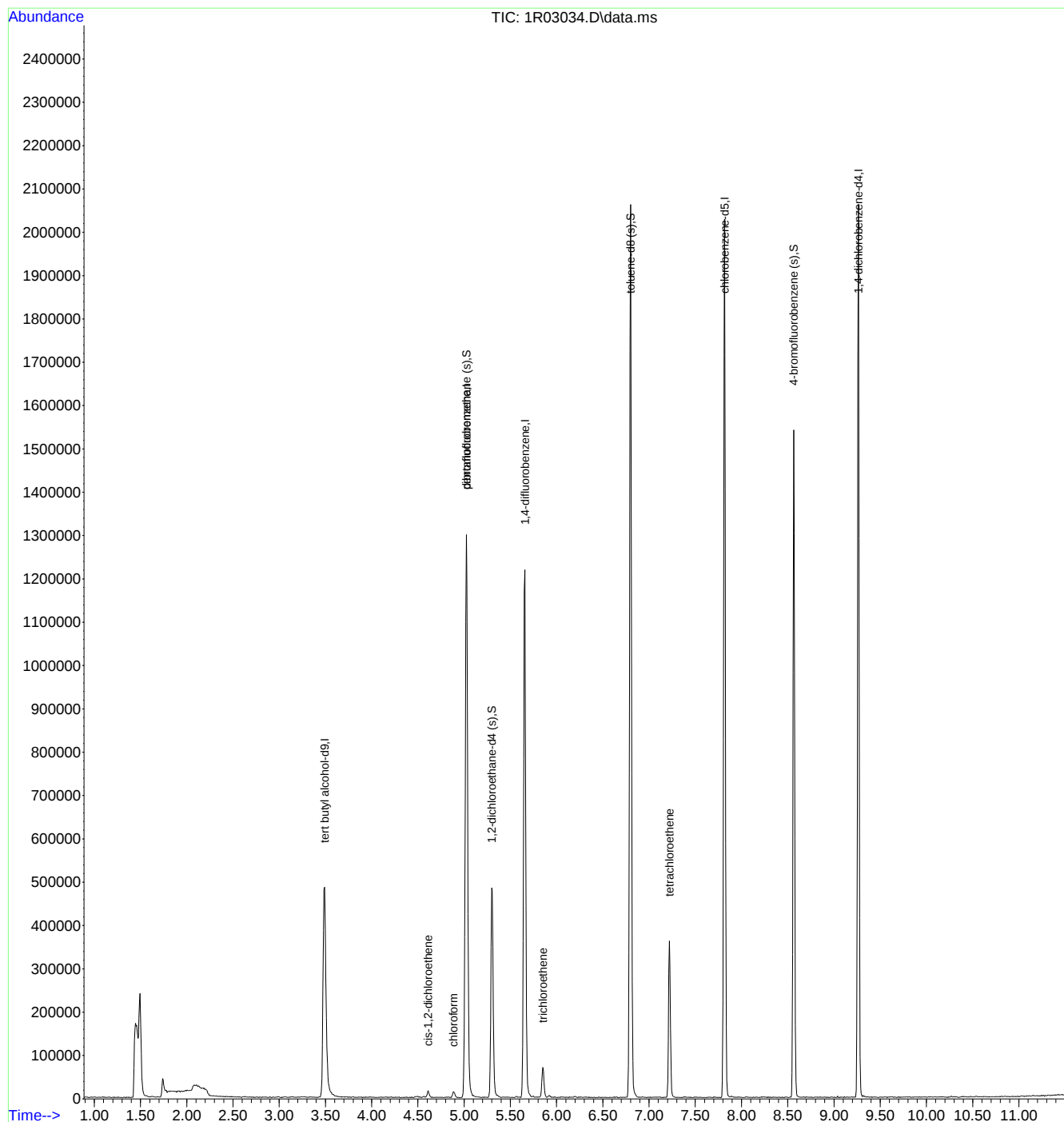
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) tert butyl alcohol-d9	3.491	65	575874	500.00	ug/L	0.00
5) pentafluorobenzene	5.030	168	548691	50.00	ug/L	0.00
52) 1,4-difluorobenzene	5.657	114	858272	50.00	ug/L	0.00
73) chlorobenzene-d5	7.816	117	830614	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	9.264	152	379122	50.00	ug/L	0.00
System Monitoring Compounds						
44) dibromofluoromethane (s)	5.018	113	265101	55.59	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	111.18%		
53) 1,2-dichloroethane-d4 (s)	5.298	65	270071	54.12	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery =	108.24%		
74) toluene-d8 (s)	6.800	98	1081414	47.15	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.30%		
98) 4-bromofluorobenzene (s)	8.565	174	315983	50.93	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	101.86%		
Target Compounds						
36) cis-1,2-dichloroethene	4.610	96	5165	1.34	ug/L	58
42) chloroform	4.890	83	8640	1.37	ug/L	84
61) trichloroethene	5.851	95	19678	4.61	ug/L	95
79) tetrachloroethene	7.220	164	63729	15.04	ug/L	93

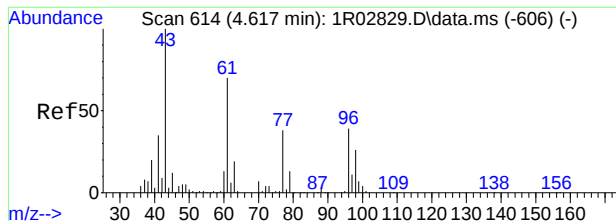
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Mei 04-06-2023\VR0100\
Data File : 1R03034.D
Acq On : 4 Apr 2023 6:45 pm
Operator : nickw
Sample : jd62888-2
Misc : MS67891,V1R0100,5,,,1
ALS Vial : 23 Sample Multiplier: 1

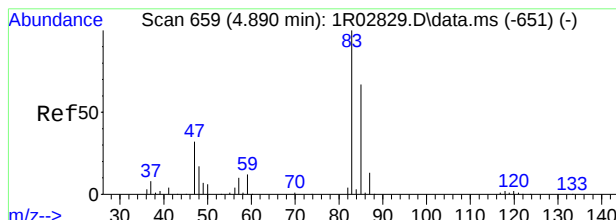
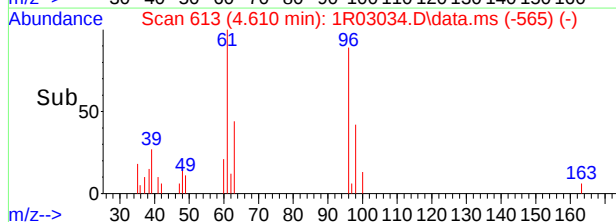
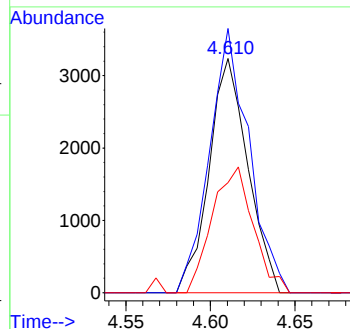
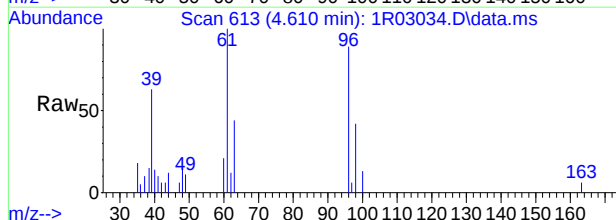
Quant Time: Apr 06 17:21:31 2023
Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M
Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Thu Mar 30 09:13:25 2023
Response via : Initial Calibration





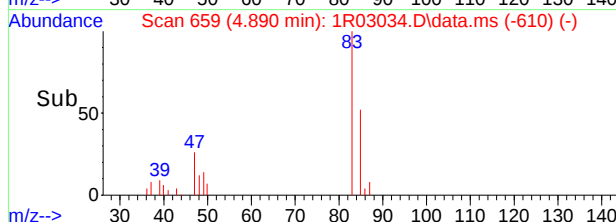
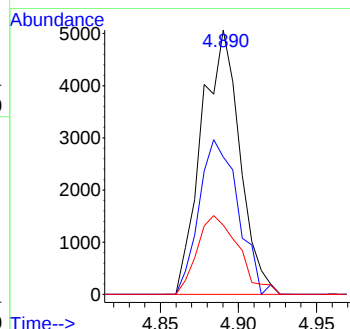
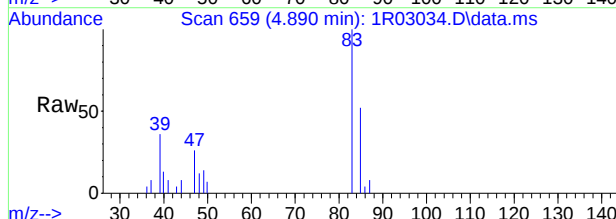
#36
cis-1,2-dichloroethene
Concen: 1.34 ug/L
RT: 4.610 min Scan# 613
Delta R.T. -0.007 min
Lab File: 1R03034.D
Acq: 4 Apr 2023 6:45 pm

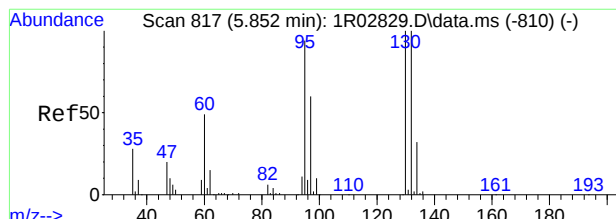
Tgt	Ion	96	Resp:	5165
Ion	Ratio	Lower	Upper	
96	100			
61	112.9	151.5	211.5#	
98	47.1	36.9	96.9	



#42
chloroform
Concen: 1.37 ug/L
RT: 4.890 min Scan# 659
Delta R.T. 0.000 min
Lab File: 1R03034.D
Acq: 4 Apr 2023 6:45 pm

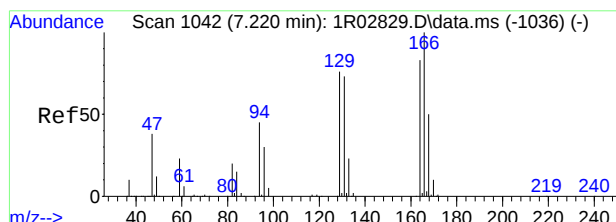
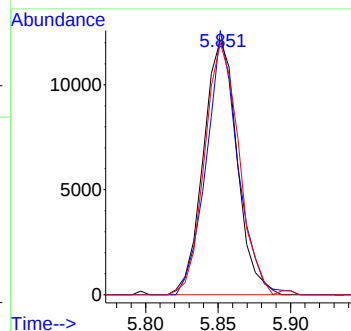
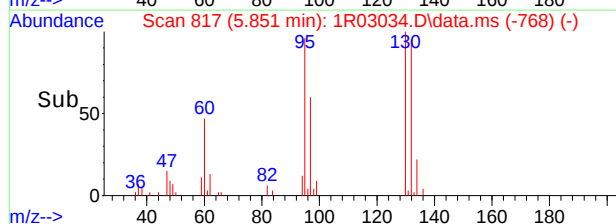
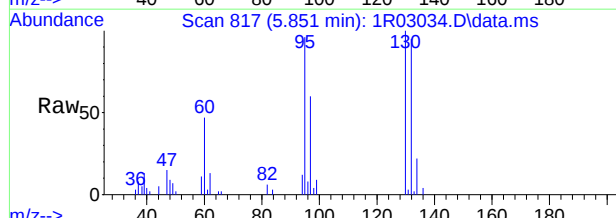
Tgt	Ion	83	Resp:	8640
Ion	Ratio	Lower	Upper	
83	100			
85	51.9	36.6	96.6	
47	26.2	2.5	62.5	





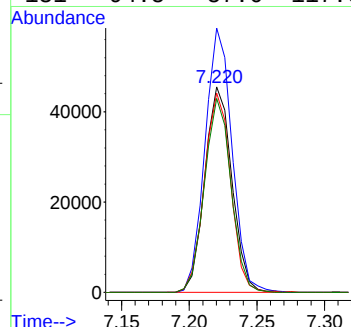
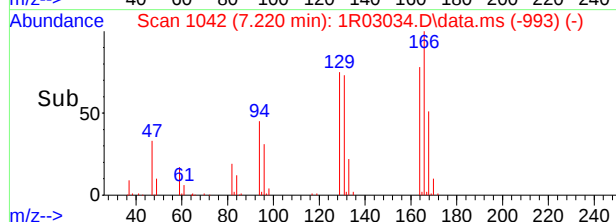
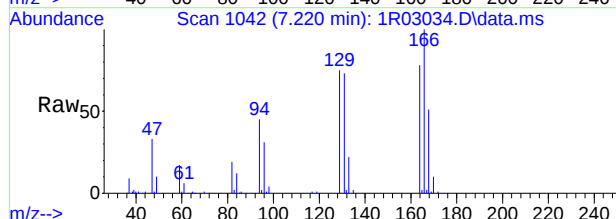
#61
trichloroethene
Concen: 4.61 ug/L
RT: 5.851 min Scan# 817
Delta R.T. -0.001 min
Lab File: 1R03034.D
Acq: 4 Apr 2023 6:45 pm

Tgt Ion:	95	Resp:	19678
Ion Ratio	Lower	Upper	
95	100		
130	103.8	76.7	136.7
132	98.9	76.3	136.3



#79
tetrachloroethene
Concen: 15.04 ug/L
RT: 7.220 min Scan# 1042
Delta R.T. 0.000 min
Lab File: 1R03034.D
Acq: 4 Apr 2023 6:45 pm

Tgt Ion:	164	Resp:	63729
Ion Ratio	Lower	Upper	
164	100		
166	128.8	90.9	150.9
129	97.0	61.6	121.6
131	94.5	57.6	117.6



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Mei 04-06-2023\VR0100\
Data File : 1R03035.D
Acq On : 4 Apr 2023 7:10 pm
Operator : nickw
Sample : jd62888-3
Misc : MS67891,V1R0100,5,,,,,1
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Apr 06 17:22:44 2023
Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M
Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Thu Mar 30 09:13:25 2023
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) tert butyl alcohol-d9	3.491	65	525305	500.00	ug/L	0.00
5) pentafluorobenzene	5.030	168	542116	50.00	ug/L	0.00
52) 1,4-difluorobenzene	5.657	114	848679	50.00	ug/L	0.00
73) chlorobenzene-d5	7.816	117	827269	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	9.264	152	369643	50.00	ug/L	0.00

System Monitoring Compounds

44) dibromofluoromethane (s)	5.024	113	258665	54.89	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.78%
53) 1,2-dichloroethane-d4 (s)	5.304	65	266042	53.92	ug/L	0.00
Spiked Amount	50.000	Range	81 - 124	Recovery	=	107.84%
74) toluene-d8 (s)	6.801	98	1072924	46.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.94%
98) 4-bromofluorobenzene (s)	8.565	174	308412	50.99	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.98%

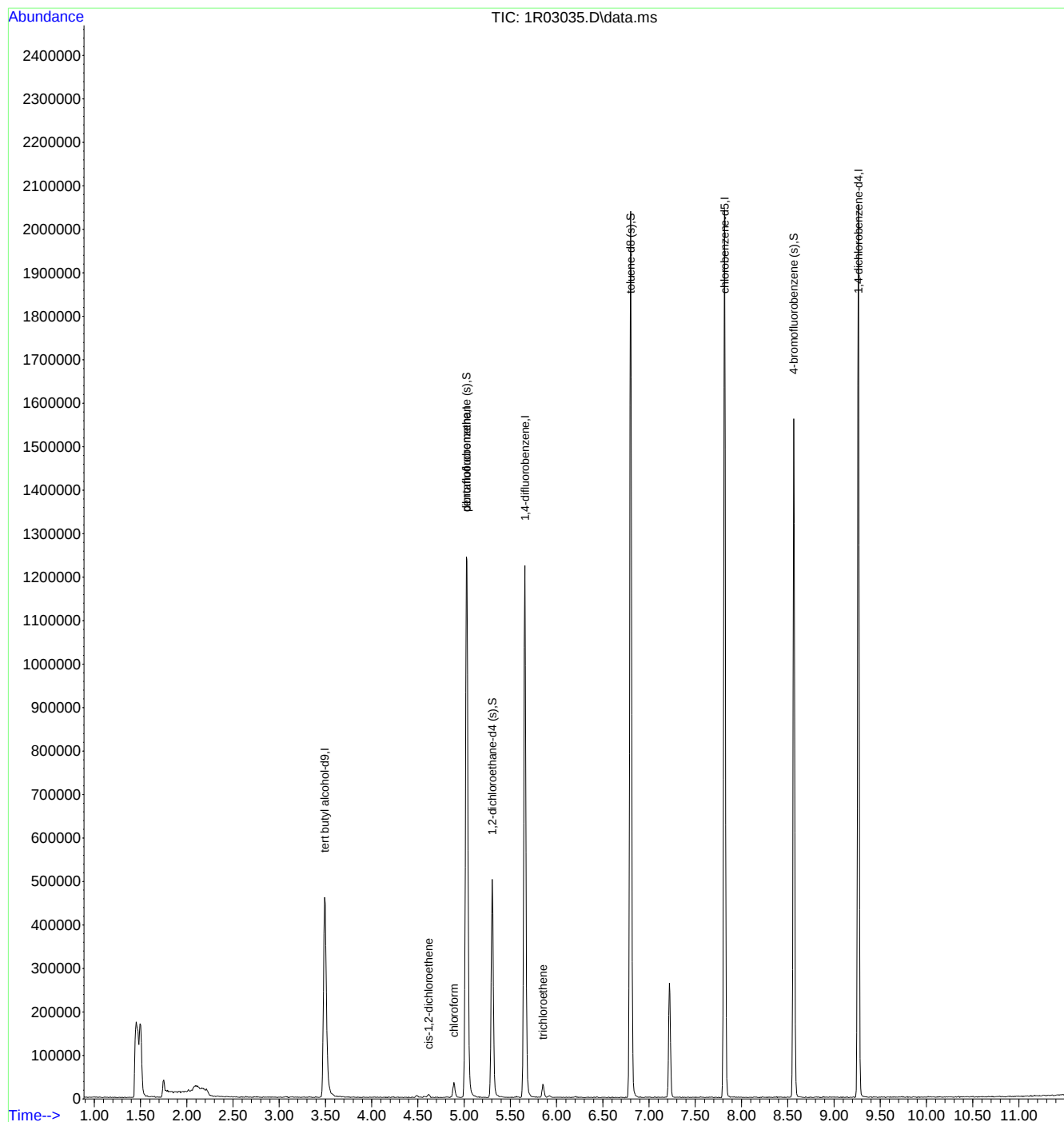
Target Compounds					Qvalue
36) cis-1,2-dichloroethene	4.617	96	2349	0.62 ug/L	# 45
42) chloroform	4.890	83	20271	3.24 ug/L	91
61) trichloroethene	5.851	95	8052	1.91 ug/L	# 71

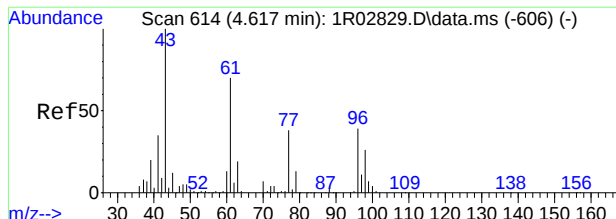
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Mei 04-06-2023\VR0100\
Data File : 1R03035.D
Acq On : 4 Apr 2023 7:10 pm
Operator : nickw
Sample : jd62888-3
Misc : MS67891,V1R0100,5,,,,,1
ALS Vial : 24 Sample Multiplier: 1

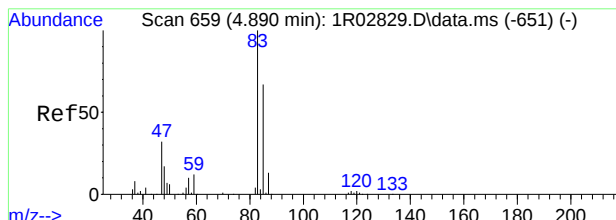
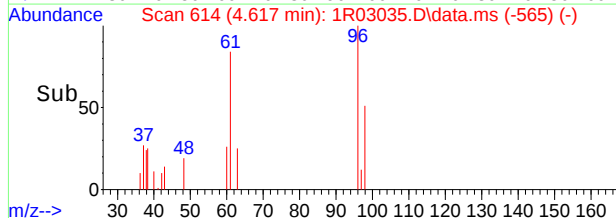
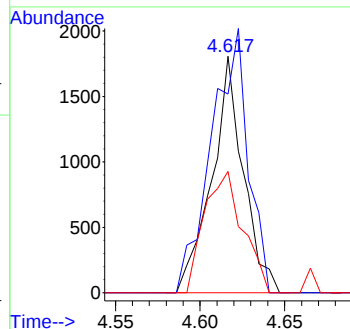
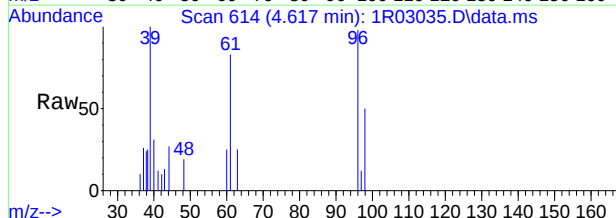
Quant Time: Apr 06 17:22:44 2023
Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M
Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Thu Mar 30 09:13:25 2023
Response via : Initial Calibration





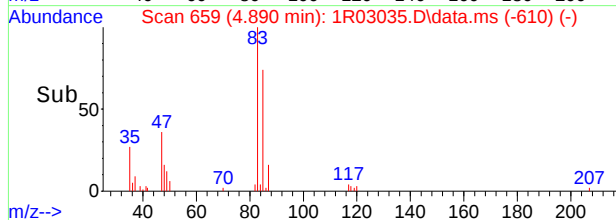
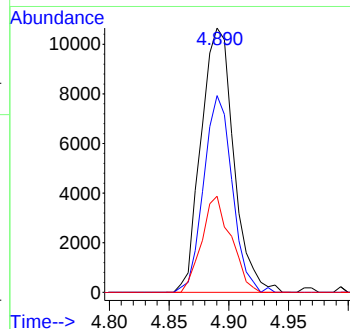
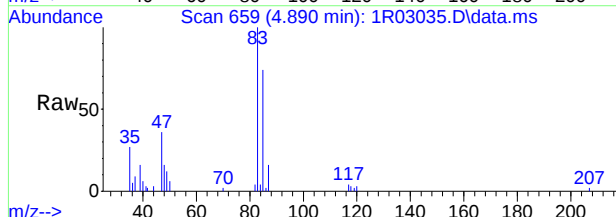
#36
cis-1,2-dichloroethene
Concen: 0.62 ug/L
RT: 4.617 min Scan# 614
Delta R.T. -0.000 min
Lab File: 1R03035.D
Acq: 4 Apr 2023 7:10 pm

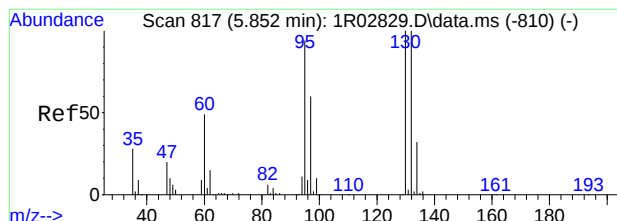
Tgt Ion:	96	Resp:	2349
Ion Ratio	Lower	Upper	
96	100		
61	83.9	151.5	211.5#
98	51.3	36.9	96.9



#42
chloroform
Concen: 3.24 ug/L
RT: 4.890 min Scan# 659
Delta R.T. 0.000 min
Lab File: 1R03035.D
Acq: 4 Apr 2023 7:10 pm

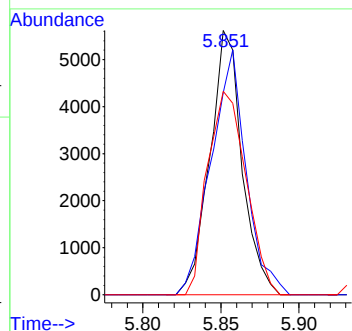
Tgt Ion:	83	Resp:	20271
Ion Ratio	Lower	Upper	
83	100		
85	74.4	36.6	96.6
47	36.3	2.5	62.5





#61
trichloroethene
Concen: 1.91 ug/L
RT: 5.851 min Scan# 817
Delta R.T. -0.001 min
Lab File: 1R03035.D
Acq: 4 Apr 2023 7:10 pm

Tgt Ion	95	130	132
Ion	95	130	132
Ratio	100	76.4	77.0
Resp	8052		
Lower		76.7	76.3
Upper		136.7#	136.3



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Mei 04-06-2023\VR0100\
Data File : 1R03031.d
Acq On : 4 Apr 2023 5:28 pm
Operator : nickw
Sample : jd62888-4
Misc : MS67891,V1R0100,5,,,,,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Apr 06 17:07:24 2023
Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M
Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Wed Mar 29 12:39:36 2023
Response via : Initial Calibration

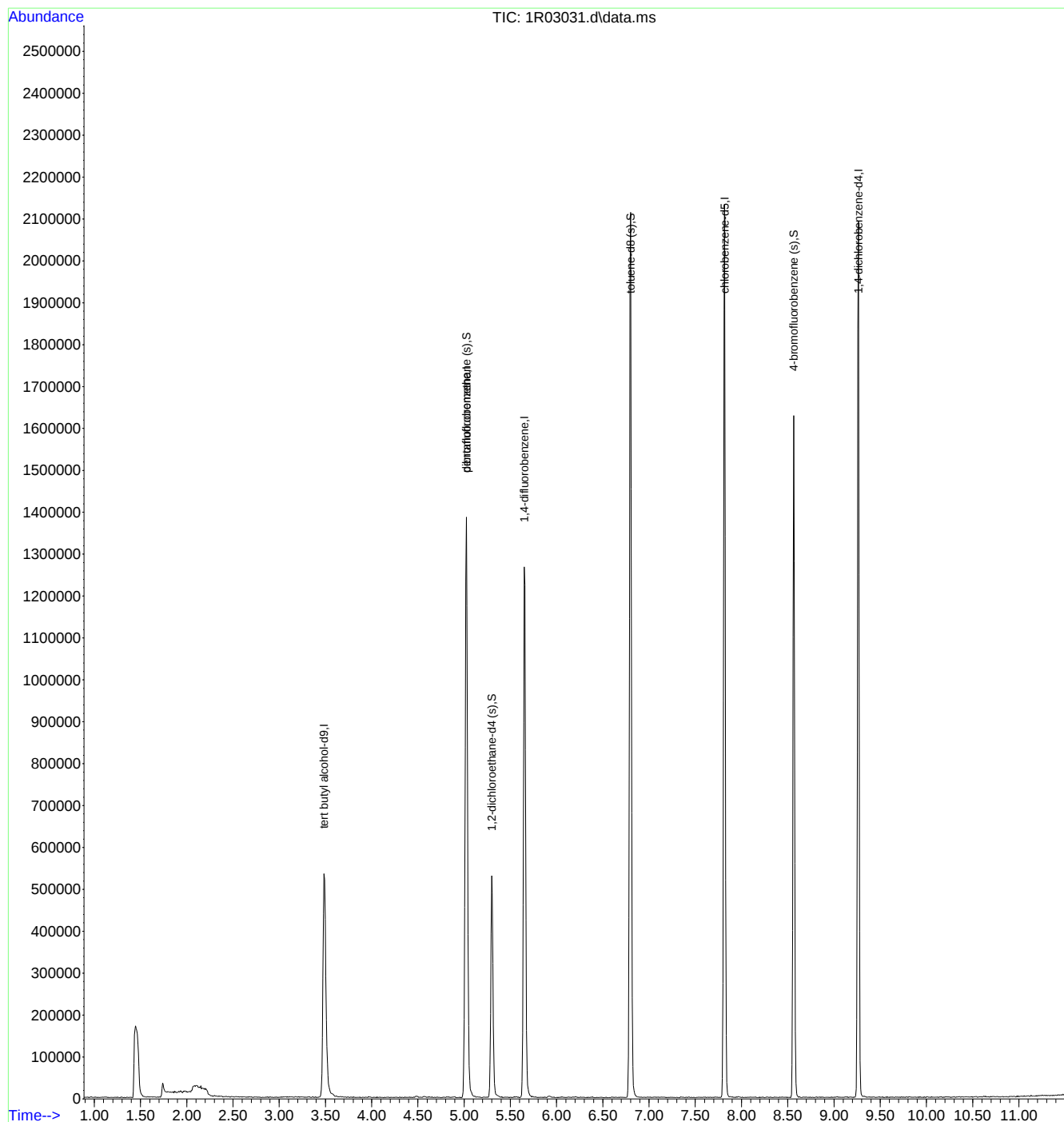
Internal Standards			R.T.	QIon	Response	Conc	Units	Dev(Min)
1)	tert butyl alcohol-d9		3.485	65	631950	500.00	ug/L	0.00
5)	pentafluorobenzene		5.030	168	583702	50.00	ug/L	0.00
52)	1,4-difluorobenzene		5.657	114	908888	50.00	ug/L	0.00
73)	chlorobenzene-d5		7.816	117	871234	50.00	ug/L	0.00
97)	1,4-dichlorobenzene-d4		9.264	152	394162	50.00	ug/L	0.00
System Monitoring Compounds								
44)	dibromofluoromethane (s)		5.018	113	275584	54.32	ug/L	0.00
	Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.64%	
53)	1,2-dichloroethane-d4 (s)		5.298	65	281218	53.22	ug/L	0.00
	Spiked Amount	50.000	Range	81 - 124	Recovery	=	106.44%	
74)	toluene-d8 (s)		6.800	98	1143456	47.53	ug/L	0.00
	Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.06%	
98)	4-bromofluorobenzene (s)		8.565	174	331187	51.35	ug/L	0.00
	Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.70%	
Target Compounds								Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Mei 04-06-2023\VR0100\
Data File : 1R03031.d
Acq On : 4 Apr 2023 5:28 pm
Operator : nickw
Sample : jd62888-4
Misc : MS67891,V1R0100,5,,,,,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Apr 06 17:07:24 2023
Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M
Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Wed Mar 29 12:39:36 2023
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Mei 04-06-2023\VR0100\
 Data File : 1R03032.D
 Acq On : 4 Apr 2023 5:53 pm
 Operator : nickw
 Sample : jd62888-5
 Misc : MS67891,V1R0100,5,,,,,1
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Apr 06 17:08:20 2023
 Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M
 Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
 QLast Update : Thu Mar 30 09:13:25 2023
 Response via : Initial Calibration

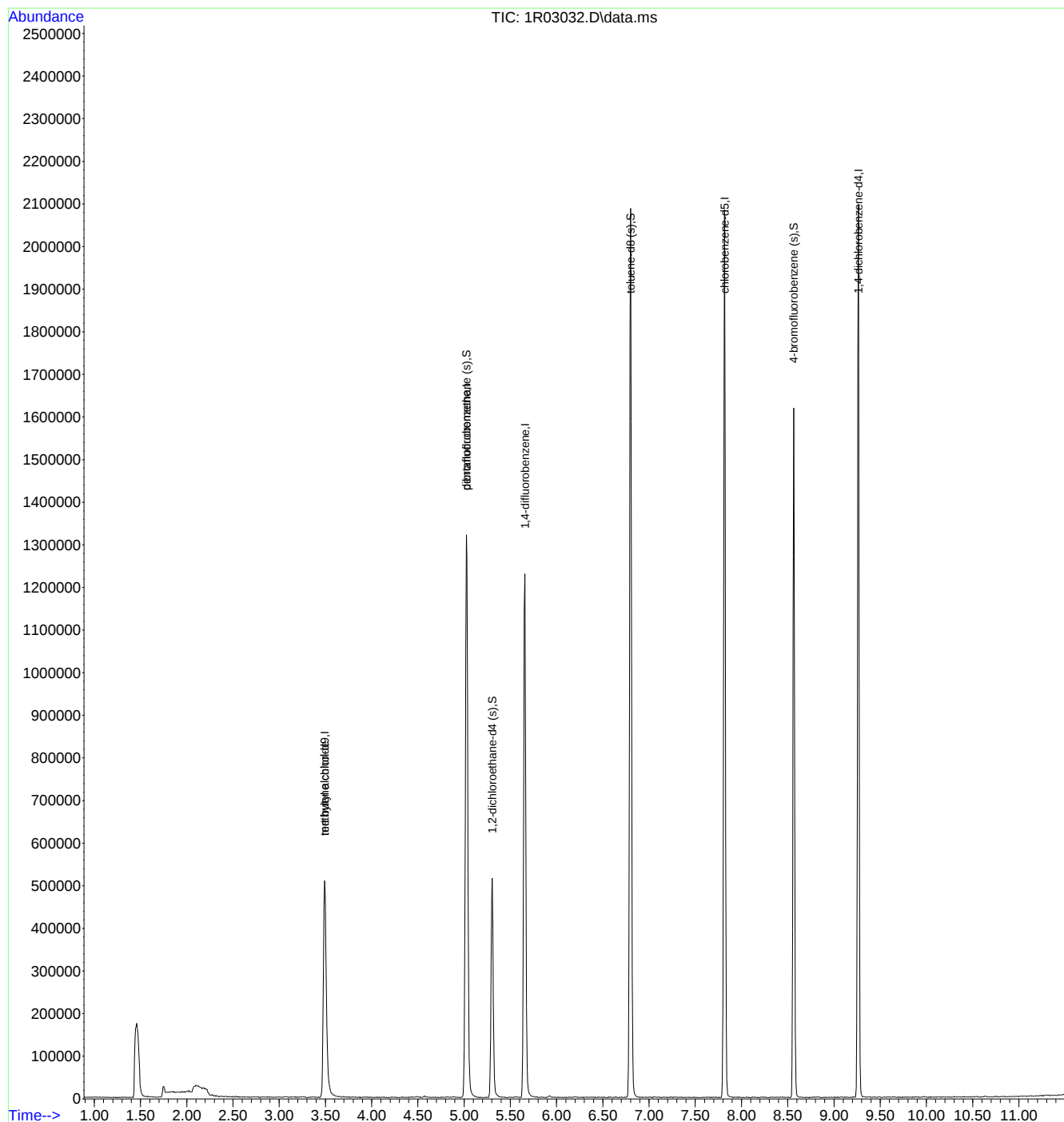
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) tert butyl alcohol-d9	3.491	65	592479	500.00	ug/L	0.00
5) pentafluorobenzene	5.030	168	568084	50.00	ug/L	0.00
52) 1,4-difluorobenzene	5.657	114	880717	50.00	ug/L	0.00
73) chlorobenzene-d5	7.817	117	851076	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	9.264	152	380661	50.00	ug/L	0.00
System Monitoring Compounds						
44) dibromofluoromethane (s)	5.018	113	271677	55.02	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	110.04%		
53) 1,2-dichloroethane-d4 (s)	5.304	65	278371	54.36	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery =	108.72%		
74) toluene-d8 (s)	6.801	98	1121187	47.71	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	95.42%		
98) 4-bromofluorobenzene (s)	8.565	174	326570	52.43	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	104.86%		
Target Compounds						
22) methylene chloride	3.497	84	1653	0.47	ug/L	Qvalue 95

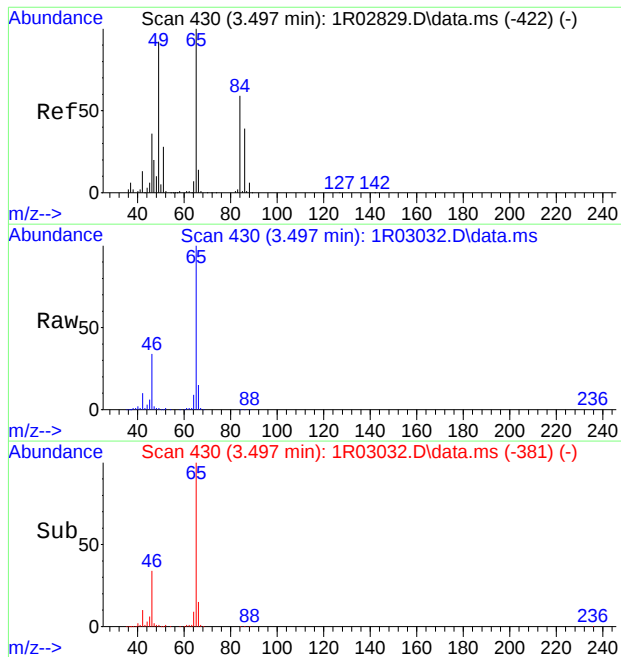
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Mei 04-06-2023\VR0100\
Data File : 1R03032.D
Acq On : 4 Apr 2023 5:53 pm
Operator : nickw
Sample : jd62888-5
Misc : MS67891,V1R0100,5,,,,,1
ALS Vial : 21 Sample Multiplier: 1

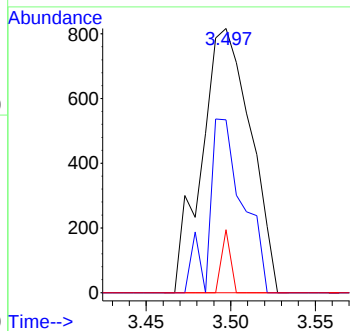
Quant Time: Apr 06 17:08:20 2023
Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M
Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Thu Mar 30 09:13:25 2023
Response via : Initial Calibration





#22
methylene chloride
Concen: 0.47 ug/L
RT: 3.497 min Scan# 430
Delta R.T. 0.000 min
Lab File: 1R03032.D
Acq: 4 Apr 2023 5:53 pm

Tgt Ion:	84	Resp:	1653
Ion	Ratio	Lower	Upper
84	100		
86	65.4	35.5	95.5
88	23.9	0.0	40.7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Mei 04-06-2023\VR0100\
Data File : 1R03017.D
Acq On : 4 Apr 2023 11:25 am
Operator : nickw
Sample : mb
Misc : MS67936,V1R0100,5,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 06 16:43:57 2023
Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M
Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Wed Mar 29 12:39:36 2023
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) tert butyl alcohol-d9	3.485	65	612313	500.00	ug/L	0.00
5) pentafluorobenzene	5.024	168	592616	50.00	ug/L	0.00
52) 1,4-difluorobenzene	5.651	114	922312	50.00	ug/L	0.00
73) chlorobenzene-d5	7.816	117	902372	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	9.264	152	401555	50.00	ug/L	0.00

System Monitoring Compounds

44) dibromofluoromethane (s)	5.018	113	281309	54.61	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.22%
53) 1,2-dichloroethane-d4 (s)	5.298	65	287938	53.70	ug/L	0.00
Spiked Amount	50.000	Range	81 - 124	Recovery	=	107.40%
74) toluene-d8 (s)	6.794	98	1180225	47.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.72%
98) 4-bromofluorobenzene (s)	8.565	174	339546	51.67	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.34%

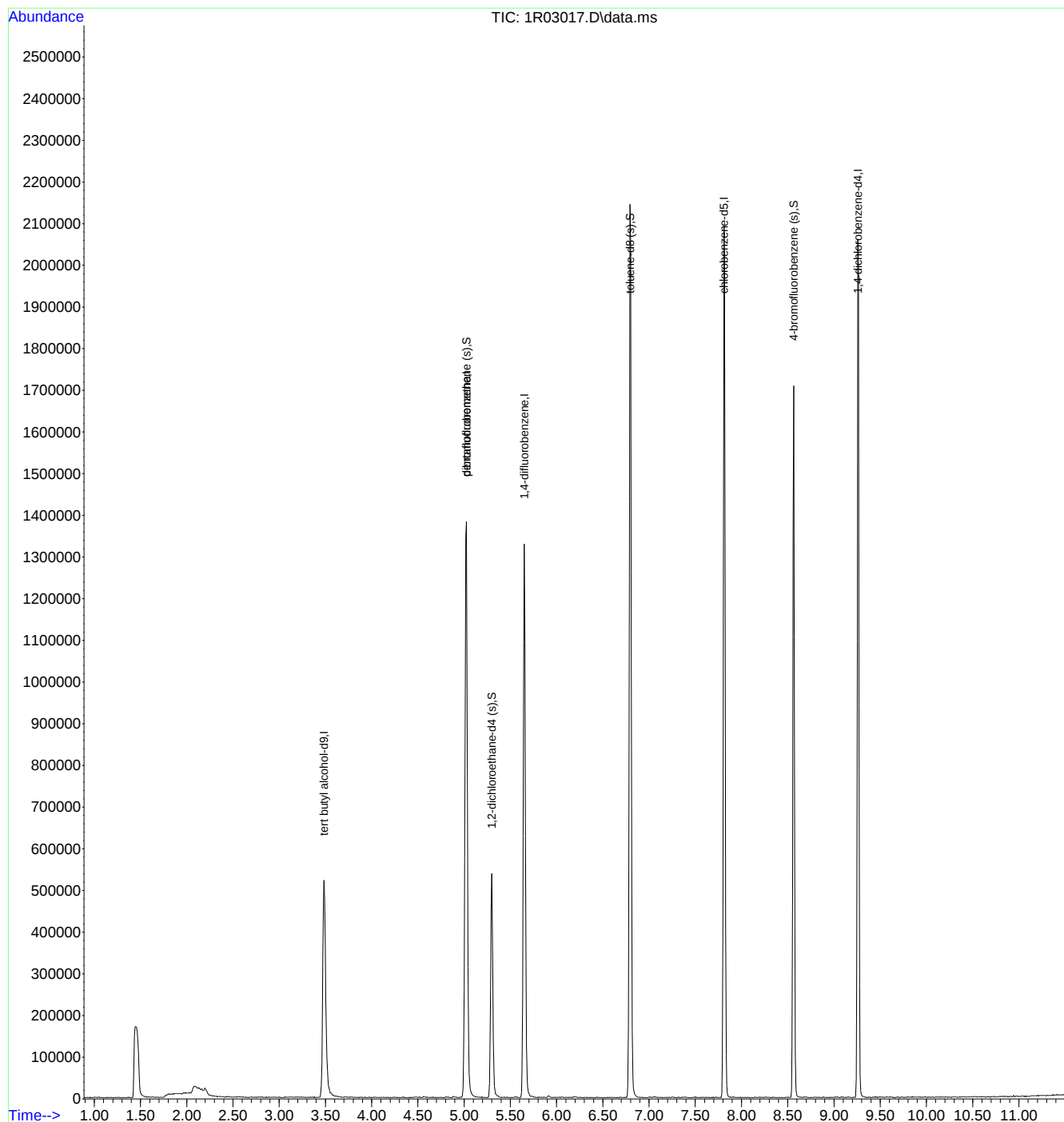
Target Compounds	Qvalue
------------------	--------

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Mei 04-06-2023\VR0100\
Data File : 1R03017.D
Acq On : 4 Apr 2023 11:25 am
Operator : nickw
Sample : mb
Misc : MS67936,V1R0100,5,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 06 16:43:57 2023
Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M
Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Wed Mar 29 12:39:36 2023
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Mei 04-06-2023\VR0100\
 Data File : 1R03015.D
 Acq On : 4 Apr 2023 10:34 am
 Operator : nickw
 Sample : bs
 Misc : MS67909,V1R0100,5,,,,,1
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 04 11:08:20 2023

Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M

Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um

QLast Update : Wed Mar 29 12:39:36 2023

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) tert butyl alcohol-d9	3.491	65	614235	500.00	ug/L	0.00
5) pentafluorobenzene	5.024	168	730438	50.00	ug/L	0.00
52) 1,4-difluorobenzene	5.651	114	1084886	50.00	ug/L	0.00
73) chlorobenzene-d5	7.810	117	1086387	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	9.258	152	571074	50.00	ug/L	0.00

System Monitoring Compounds

44) dibromofluoromethane (s)	5.012	113	337209	53.11	ug/L	0.00
Spiked Amount 50.000	Range	80 - 120	Recovery	=	106.22%	
53) 1,2-dichloroethane-d4 (s)	5.298	65	326110	51.70	ug/L	0.00
Spiked Amount 50.000	Range	81 - 124	Recovery	=	103.40%	
74) toluene-d8 (s)	6.795	98	1389050	46.30	ug/L	0.00
Spiked Amount 50.000	Range	80 - 120	Recovery	=	92.60%	
98) 4-bromofluorobenzene (s)	8.565	174	458953	49.11	ug/L	0.00
Spiked Amount 50.000	Range	80 - 120	Recovery	=	98.22%	

Target Compounds

						Qvalue
2) ethanol	2.688	45	574417	5184.18	ug/L	98
3) tertiary butyl alcohol	3.564	59	350002	227.15	ug/L	96
4) 1,4-dioxane	6.113	88	134188	1168.37	ug/L	95
6) chlorodifluoromethane	1.654	51	187011	33.56	ug/L	95
7) dichlorodifluoromethane	1.636	85	232241	45.08	ug/L	99
8) chloromethane	1.800	50	302762	38.07	ug/L	97
9) vinyl chloride	1.897	62	268130	31.88	ug/L	98
10) 1,3-butadiene	1.934	54	163161	25.96	ug/L	95
11) bromomethane	2.183	94	124864	26.52	ug/L	97
12) chloroethane	2.287	64	155898	36.80	ug/L	100
13) trichlorofluoromethane	2.530	101	332795	51.62	ug/L	97
14) ethyl ether	2.798	74	121370	45.69	ug/L	92
15) acrolein	2.938	56	75252	49.22	ug/L	98
16) freon 113	3.035	151	151025	41.55	ug/L	95
17) 1,1-dichloroethene	3.035	96	178484	43.22	ug/L	98
18) acetone	3.065	58	239222	239.72	ug/L	98
19) acetonitrile	3.327	41	641665	477.30	ug/L	98
20) iodomethane	3.181	142	110271	38.83	ug/L	97
21) carbon disulfide	3.248	76	478882	39.48	ug/L	99
22) methylene chloride	3.491	84	209619	46.55	ug/L	96
23) methyl acetate	3.357	74	64521	47.94	ug/L #	63
24) methyl tert butyl ether	3.722	73	608741	47.33	ug/L	98
25) trans-1,2-dichloroethene	3.734	96	205228	44.76	ug/L	97
26) hexane	3.978	56	161844	41.64	ug/L	98
27) di-isopropyl ether	4.136	45	814994	44.66	ug/L	98
28) 2-butanone	4.586	72	245257	209.09	ug/L	94
29) 1,1-dichloroethane	4.124	63	374203	43.48	ug/L	97
30) chloroprene	4.185	53	332575	44.84	ug/L	97
31) acrylonitrile	3.698	53	163585	49.10	ug/L	97
32) vinyl acetate	4.112	86	57072	48.60	ug/L #	79
33) ethyl tert-butyl ether	4.446	59	699862	48.55	ug/L	98
34) ethyl acetate	4.617	45	75998	46.20	ug/L #	69
35) 2,2-dichloropropane	4.617	77	302428	48.01	ug/L	89
36) cis-1,2-dichloroethene	4.604	96	233468	45.55	ug/L	89
37) propionitrile	4.647	54	692922	457.71	ug/L	99
38) methyl acrylate	4.659	85	57221	46.23	ug/L #	81
39) methacrylonitrile	4.775	67	144686	44.22	ug/L	94
40) bromochloromethane	4.805	128	114929	47.32	ug/L	88
41) tetrahydrofuran	4.817	42	160131	39.24	ug/L	97
42) chloroform	4.884	83	383734	45.56	ug/L	96
43) tert-Butyl Formate	4.903	59	239381	52.17	ug/L	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Mei 04-06-2023\VR0100\
 Data File : 1R03015.D
 Acq On : 4 Apr 2023 10:34 am
 Operator : nickw
 Sample : bs
 Misc : MS67909,V1R0100,5,,,,,1
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 04 11:08:20 2023

Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M

Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um

QLast Update : Wed Mar 29 12:39:36 2023

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,1-trichloroethane	5.030	97	328154	45.20	ug/L	92
46) cyclohexane	5.091	84	333997	49.56	ug/L	84
47) isobutyl alcohol	5.207	43	310889	504.80	ug/L	99
48) 1,1-dichloropropene	5.158	75	275986	45.37	ug/L	93
49) carbon tetrachloride	5.158	117	293329	48.47	ug/L	98
50) tert-amyl alcohol	5.304	73	181596	248.57	ug/L	97
51) isopropyl acetate	5.328	87	77308	47.55	ug/L #	88
54) n-butyl alcohol	5.742	56	960798	2359.13	ug/L	98
55) 2,2,4-trimethylpentane	5.407	57	586116	38.94	ug/L	98
56) benzene	5.322	78	856388	40.04	ug/L	99
57) tert-amyl methyl ether	5.407	73	656560	43.17	ug/L	99
58) heptane	5.541	57	134395	39.51	ug/L	89
59) 1,2-dichloroethane	5.359	62	299073	43.90	ug/L	93
60) ethyl acrylate	5.894	55	452569	41.07	ug/L	99
61) trichloroethene	5.845	95	233229	43.22	ug/L	98
62) 2-chloroethyl vinyl ether	6.466	63	960090	207.09	ug/L	96
63) methyl methacrylate	6.077	100	83901	45.99	ug/L #	91
64) methylcyclohexane	6.040	83	333325	38.99	ug/L	97
65) 1,2-dichloropropane	6.058	63	231044	39.22	ug/L	97
66) dibromomethane	6.131	93	153965	42.29	ug/L	97
67) bromodichloromethane	6.259	83	292900	45.13	ug/L	96
68) 2-nitropropane	6.423	41	131642	43.03	ug/L	90
69) epichlorohydrin	6.509	57	263735	238.55	ug/L	99
70) cis-1,3-dichloropropene	6.594	75	367837	44.05	ug/L	96
71) 4-methyl-2-pentanone	6.691	58	681179	167.56	ug/L	95
72) isoamyl alcohol	6.722	70	336472	888.55	ug/L	96
75) toluene	6.849	92	578719	41.12	ug/L	99
76) ethyl methacrylate	7.026	69	340526	44.36	ug/L	96
77) trans-1,3-dichloropropene	7.001	75	347252	46.12	ug/L	92
78) 1,1,2-trichloroethane	7.147	83	187356	42.57	ug/L	94
79) tetrachloroethene	7.214	164	225538	40.69	ug/L	96
80) 2-hexanone	7.281	58	771889	173.64	ug/L	98
81) 1,3-dichloropropane	7.263	76	345649	43.97	ug/L	93
82) butyl acetate	7.354	56	240041	41.22	ug/L	93
83) dibromochloromethane	7.421	129	270670	48.83	ug/L	98
84) 1,2-dibromoethane	7.506	107	255320	48.48	ug/L	97
85) n-butyl ether	7.859	57	1002667	40.20	ug/L	99
86) chlorobenzene	7.835	112	680818	43.75	ug/L	95
87) 1,1,1,2-tetrachloroethane	7.883	131	252330	45.87	ug/L	96
88) ethylbenzene	7.883	91	1080915	41.80	ug/L	99
89) m,p-xylene	7.969	106	866206	86.29	ug/L	95
90) o-xylene	8.218	91	839250	42.07	ug/L	96
91) styrene	8.230	104	743473	44.40	ug/L	97
92) butyl acrylate	8.157	55	571326	43.69	ug/L	98
93) n-amyl acetate	8.297	70	204443	40.83	ug/L	98
94) isopropylbenzene	8.443	105	1075960	45.96	ug/L	98
95) bromoform	8.358	173	212540	48.24	ug/L	97
96) cis-1,4-dichloro-2-butene	8.480	88	158082	48.18	ug/L	98
99) 1,1,2,2-tetrachloroethane	8.632	83	369188	43.01	ug/L	99
100) trans-1,4-dichloro-2-b...	8.656	53	123155	42.67	ug/L	78
101) 1,2,3-trichloropropane	8.674	110	117956	46.36	ug/L	90
102) bromobenzene	8.662	156	302094	44.75	ug/L #	81
103) n-propylbenzene	8.705	91	1228754	42.09	ug/L	97
104) 2-chlorotoluene	8.772	126	275114	45.56	ug/L	89
105) 4-chlorotoluene	8.839	91	738410	41.17	ug/L	98
106) 1,3,5-trimethylbenzene	8.808	105	863129	42.95	ug/L	96
107) tert-butylbenzene	9.003	119	757758	43.18	ug/L	95
108) 1,2,4-trimethylbenzene	9.033	105	917157	44.84	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Mei 04-06-2023\VR0100\
Data File : 1R03015.D
Acq On : 4 Apr 2023 10:34 am
Operator : nickw
Sample : bs
Misc : MS67909,V1R0100,5,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 04 11:08:20 2023
Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M
Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Wed Mar 29 12:39:36 2023
Response via : Initial Calibration

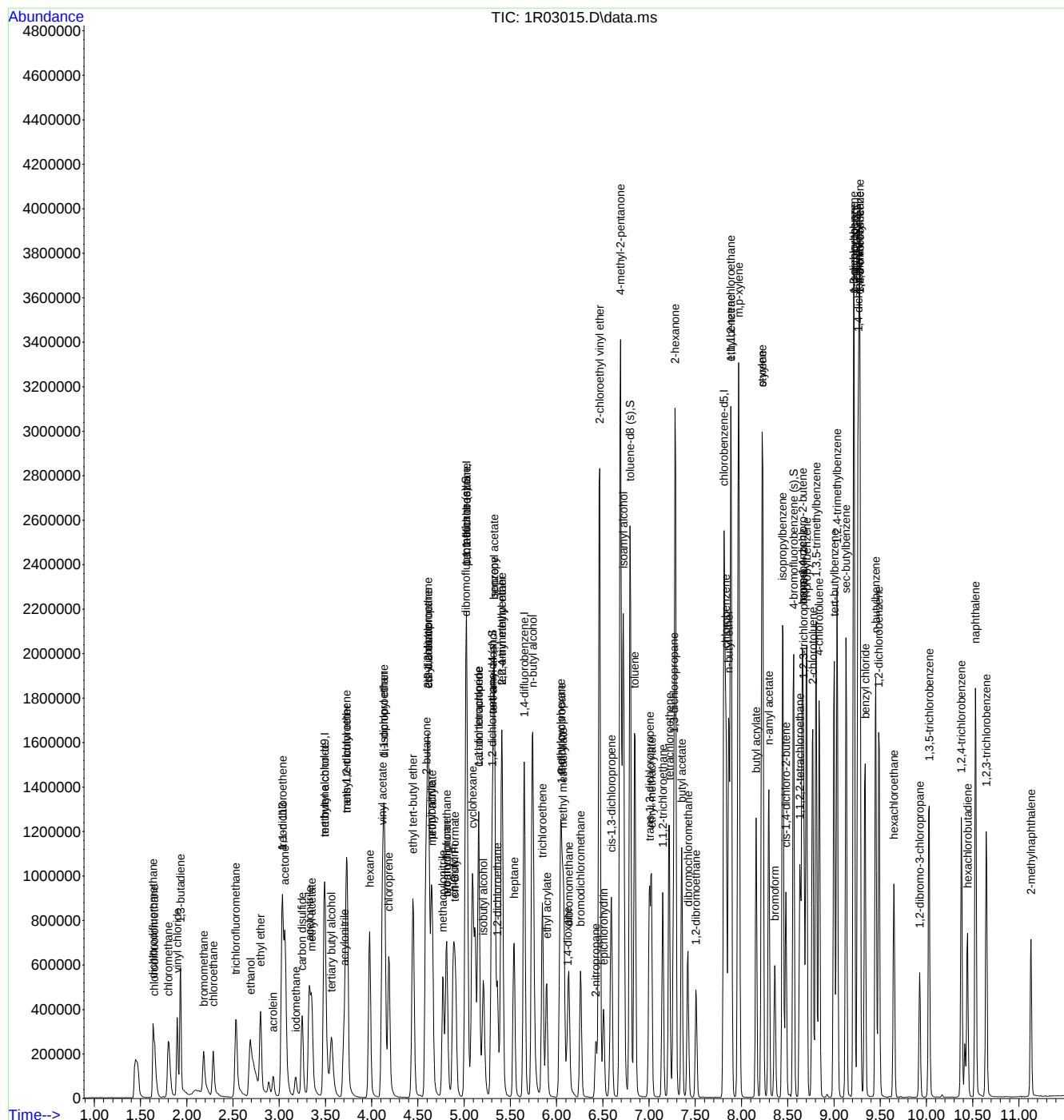
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
109) sec-butylbenzene	9.131	105	1055167	44.14	ug/L	97
110) p-isopropyltoluene	9.216	119	959144	43.80	ug/L	97
111) 1,2,3-trimethylbenzene	9.283	105	922368	42.31	ug/L	96
112) 1,3-dichlorobenzene	9.216	146	569831	43.88	ug/L	99
113) 1,4-dichlorobenzene	9.277	146	571446	43.08	ug/L	97
114) 1,2-dichlorobenzene	9.490	146	563896	47.32	ug/L	96
115) benzyl chloride	9.337	91	792701	49.53	ug/L	94
116) n-butylbenzene	9.453	92	412790	41.93	ug/L	95
117) hexachloroethane	9.648	201	109204	52.41	ug/L	93
118) 1,2-dibromo-3-chloropr...	9.928	157	118714	51.04	ug/L	96
119) 1,3,5-trichlorobenzene	10.031	180	335856	44.69	ug/L	98
120) 1,2,4-trichlorobenzene	10.378	180	298375	47.17	ug/L	92
121) hexachlorobutadiene	10.445	225	103057	44.85	ug/L	97
122) naphthalene	10.530	128	1119638	48.47	ug/L	98
123) 1,2,3-trichlorobenzene	10.645	180	288473	46.09	ug/L	93
124) 2-methylnaphthalene	11.132	142	252014	24.96	ug/L	94

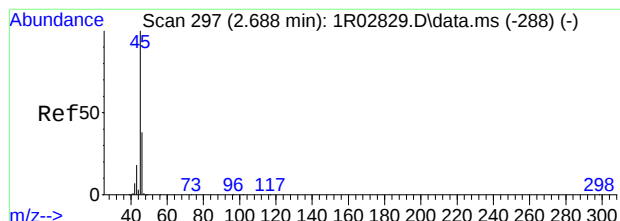
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

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Data File : 1R03015.D  
Acq On : 4 Apr 2023 10:34 am  
Operator : nickw  
Sample : bs  
Misc : MS67909,V1R0100,5,,,,1  
ALS Vial : 4 Sample Multiplier: 1
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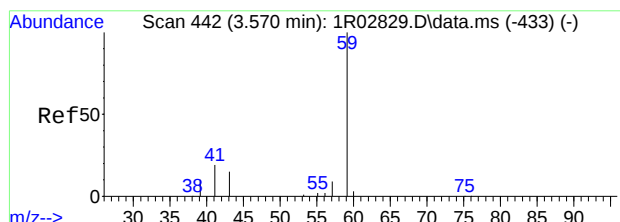
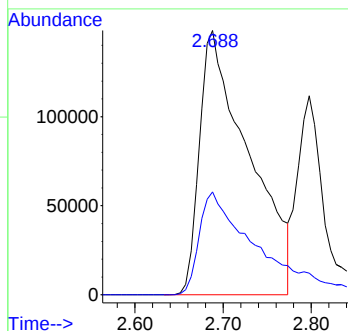
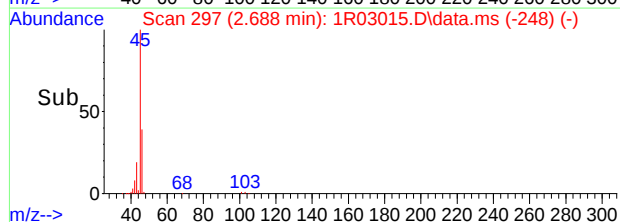
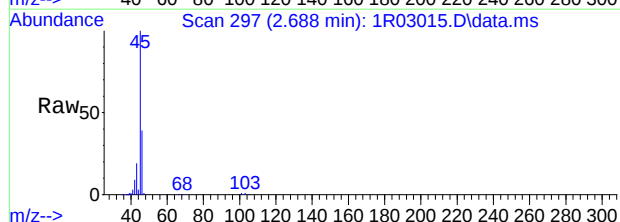
Quant Time: Apr 04 11:08:20 2023
Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M
Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Wed Mar 29 12:39:36 2023
Response via : Initial Calibration





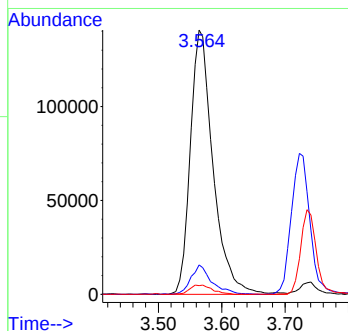
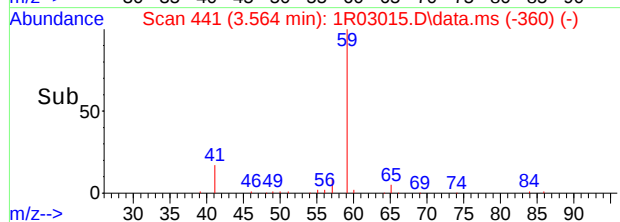
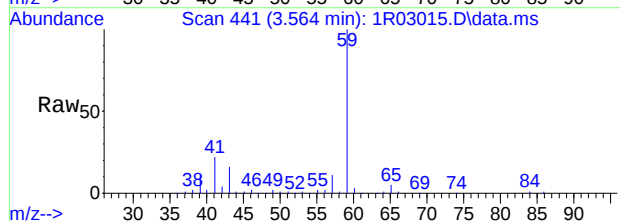
#2
ethanol
Concen: 5184.18 ug/L
RT: 2.688 min Scan# 297
Delta R.T. 0.000 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

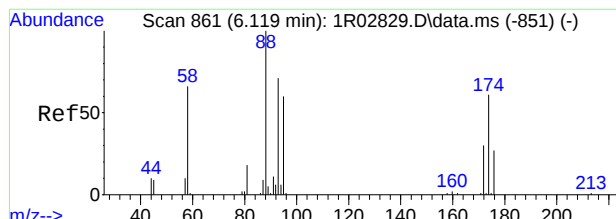
Tgt Ion: 45 Resp: 574417
Ion Ratio Lower Upper
45 100
46 38.9 17.8 57.8



#3
tertiary butyl alcohol
Concen: 227.15 ug/L
RT: 3.564 min Scan# 441
Delta R.T. -0.006 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

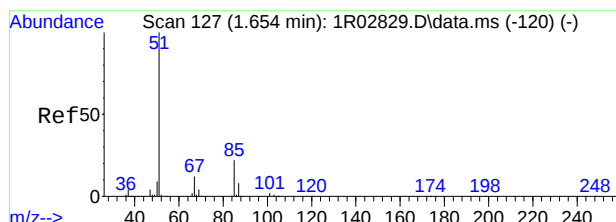
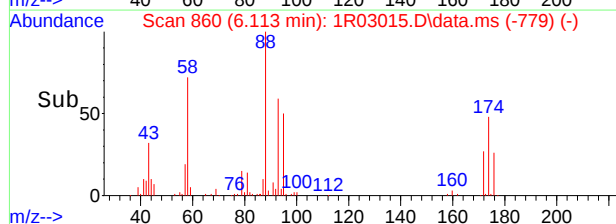
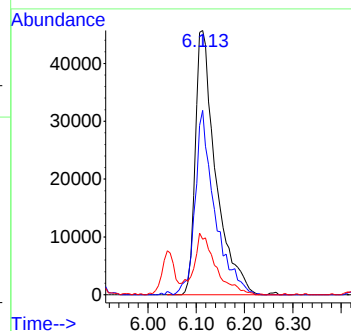
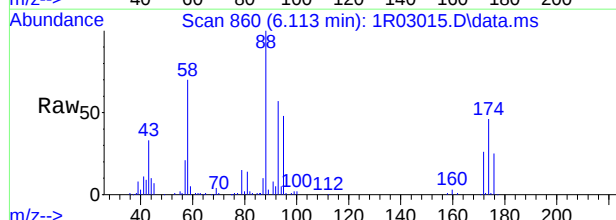
Tgt Ion: 59 Resp: 350002
Ion Ratio Lower Upper
59 100
57 10.9 0.0 39.1
60 3.3 0.0 32.9





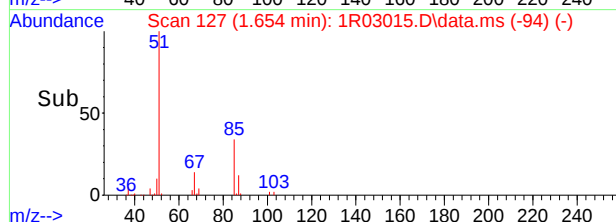
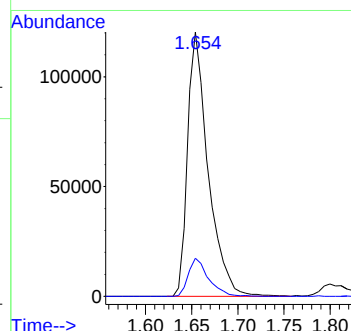
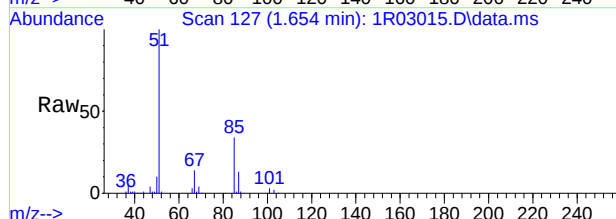
#4
1,4-dioxane
Concen: 1168.37 ug/L
RT: 6.113 min Scan# 860
Delta R.T. -0.006 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

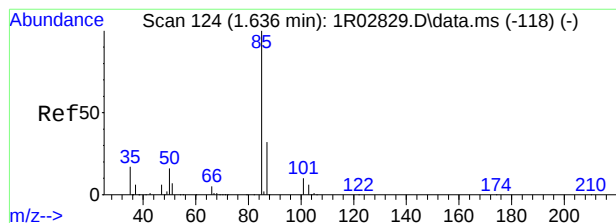
Tgt Ion: 88 Resp: 134188
Ion Ratio Lower Upper
88 100
58 69.8 37.9 97.9
57 21.0 0.0 56.5



#6
chlorodifluoromethane
Concen: 33.56 ug/L
RT: 1.654 min Scan# 127
Delta R.T. -0.000 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

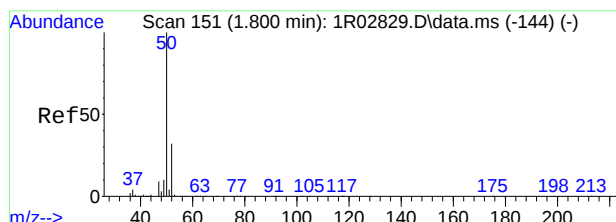
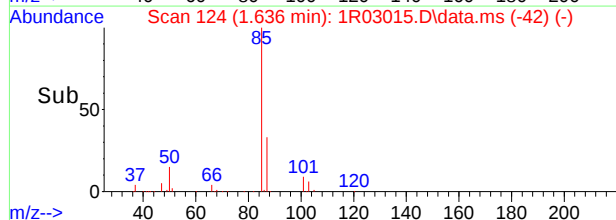
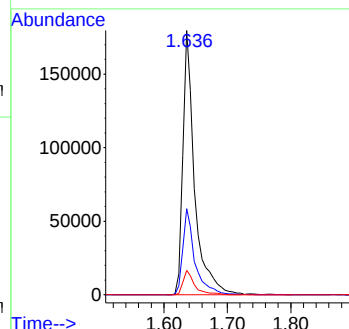
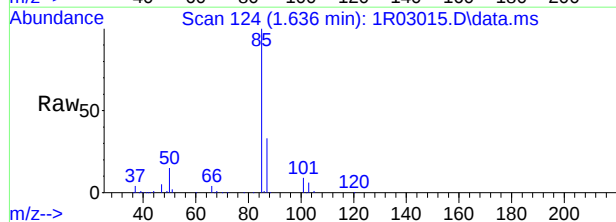
Tgt Ion: 51 Resp: 187011
Ion Ratio Lower Upper
51 100
67 14.4 0.0 42.3





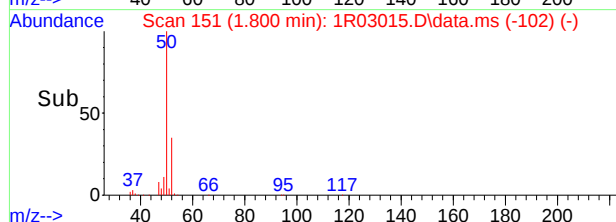
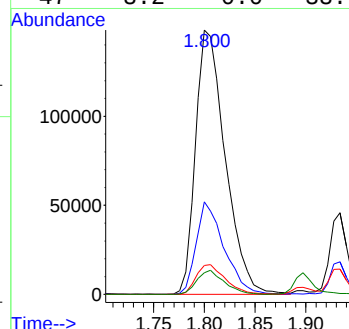
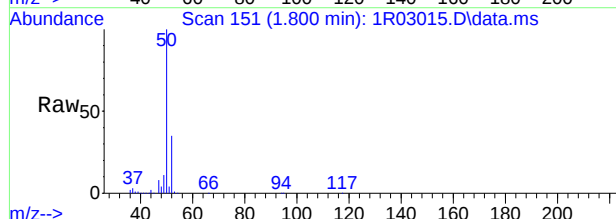
#7
dichlorodifluoromethane
Concen: 45.08 ug/L
RT: 1.636 min Scan# 124
Delta R.T. -0.000 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

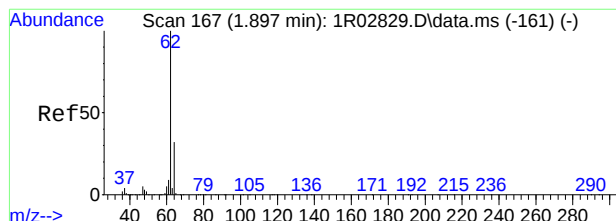
Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.6	2.0	62.0
101	9.2	0.0	40.1



#8
chloromethane
Concen: 38.07 ug/L
RT: 1.800 min Scan# 151
Delta R.T. -0.000 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

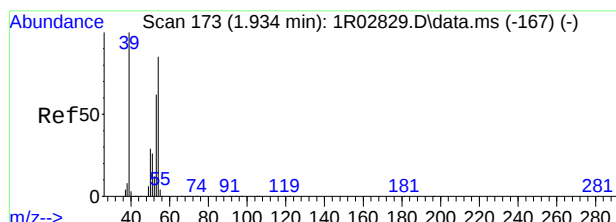
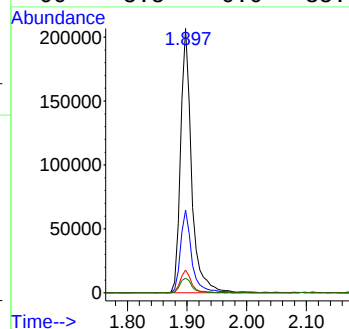
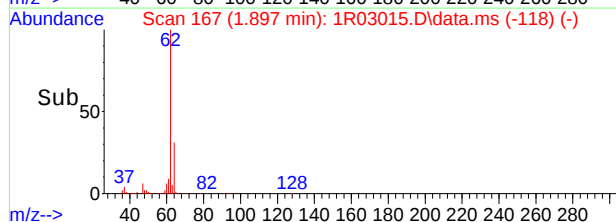
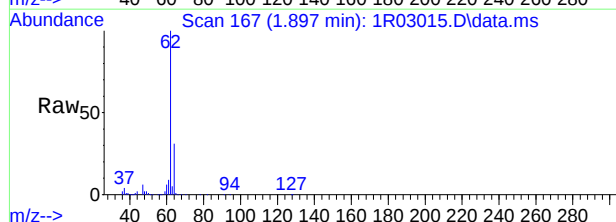
Tgt Ion	Ratio	Lower	Upper
50	100		
52	35.0	2.4	62.4
49	10.9	0.0	40.3
47	8.2	0.0	38.7





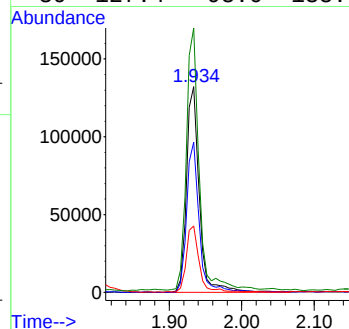
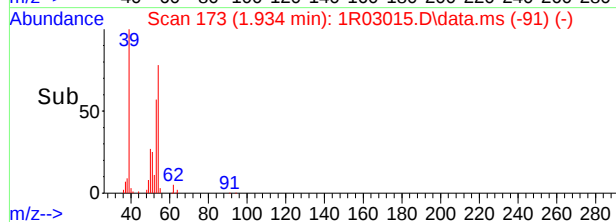
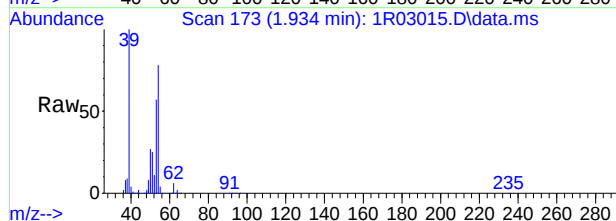
#9
vinyl chloride
Concen: 31.88 ug/L
RT: 1.897 min Scan# 167
Delta R.T. 0.000 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

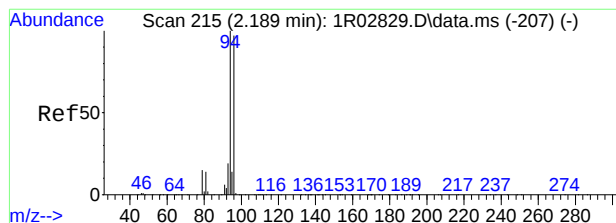
Tgt	Ion	Ratio	Lower	Upper
62	62	100		
64	64	31.3	2.7	62.7
61	61	8.6	0.0	39.1
60	60	5.5	0.0	35.6



#10
1,3-butadiene
Concen: 25.96 ug/L
RT: 1.934 min Scan# 173
Delta R.T. -0.000 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

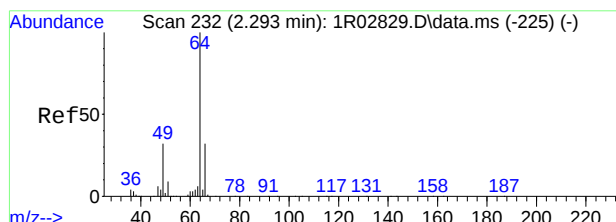
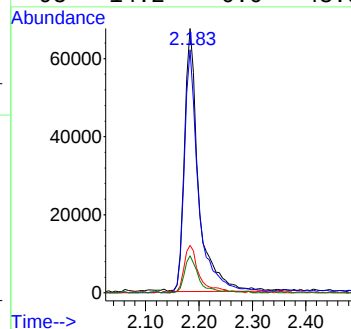
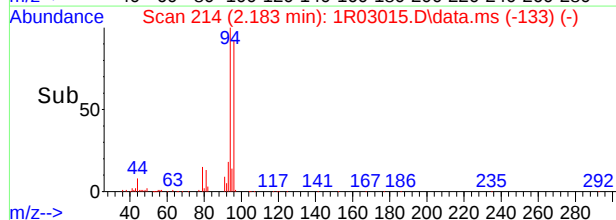
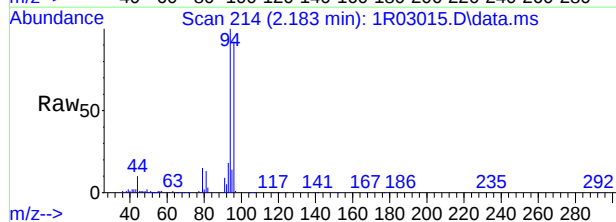
Tgt	Ion	Ratio	Lower	Upper
54	54	100		
53	53	73.0	52.9	92.9
51	51	31.8	10.6	50.6
39	39	127.4	98.0	138.0





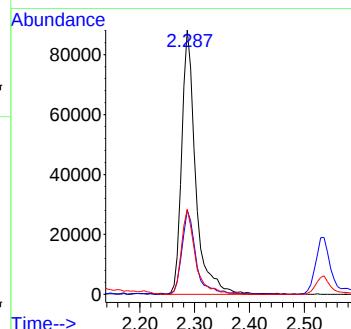
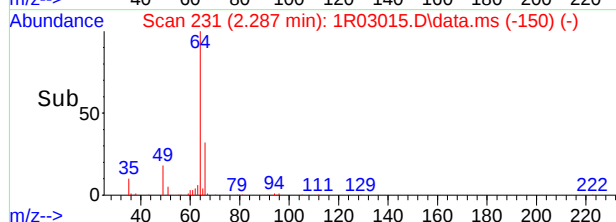
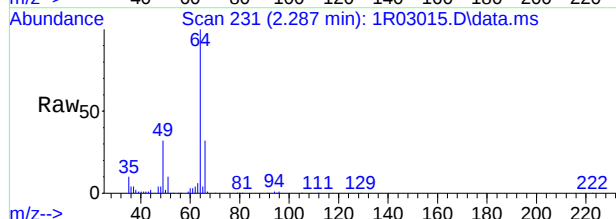
#11
bromomethane
Concen: 26.52 ug/L
RT: 2.183 min Scan# 214
Delta R.T. -0.006 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

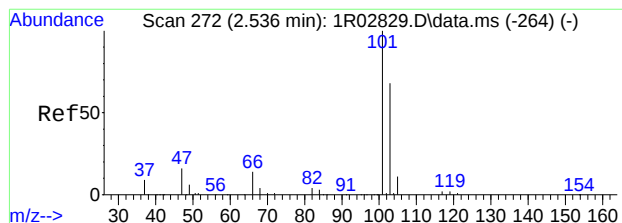
Tgt	Ion	Ratio	Lower	Upper
94	100			
96	92.5	66.4	126.4	
93	18.1	0.0	49.0	
95	14.2	0.0	43.9	



#12
chloroethane
Concen: 36.80 ug/L
RT: 2.287 min Scan# 231
Delta R.T. -0.006 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

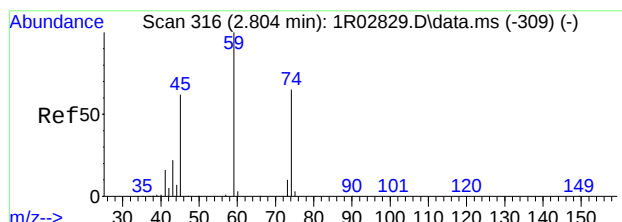
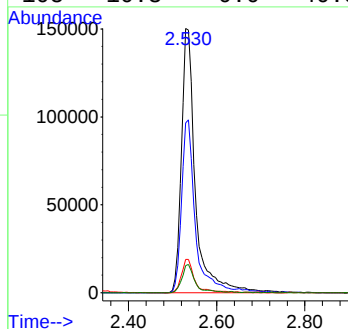
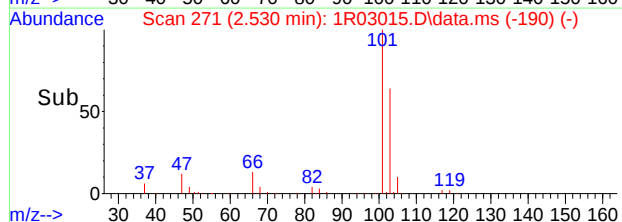
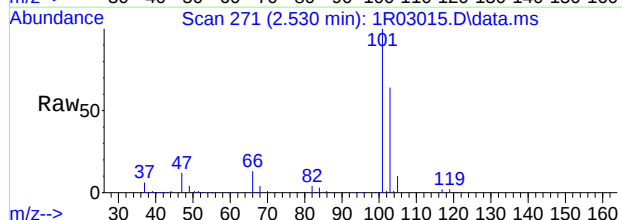
Tgt	Ion	Ratio	Lower	Upper
64	100			
66	31.8	1.8	61.8	
49	32.2	2.2	62.2	





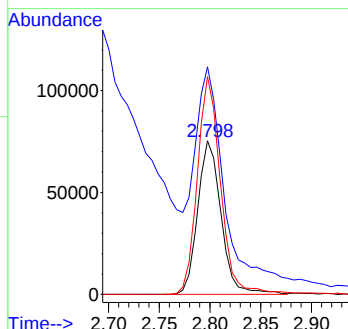
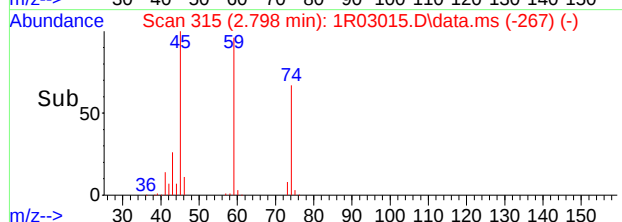
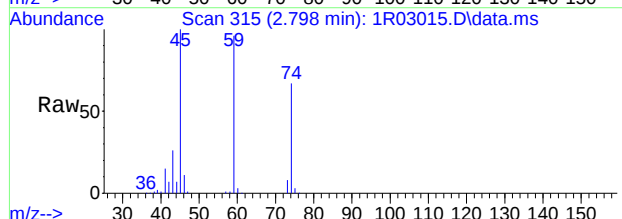
#13
trichlorofluoromethane
Concen: 51.62 ug/L
RT: 2.530 min Scan# 271
Delta R.T. -0.006 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

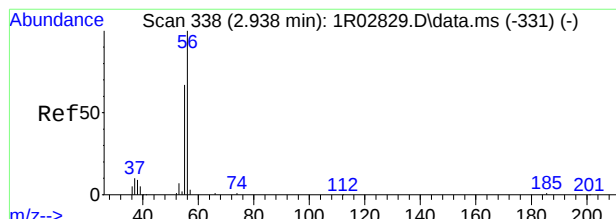
Tgt	Ion	Ratio	Lower	Upper
101	101	100		
103	64.3	37.5	97.5	
66	12.6	0.0	43.5	
105	10.3	0.0	40.8	



#14
ethyl ether
Concen: 45.69 ug/L
RT: 2.798 min Scan# 315
Delta R.T. -0.006 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

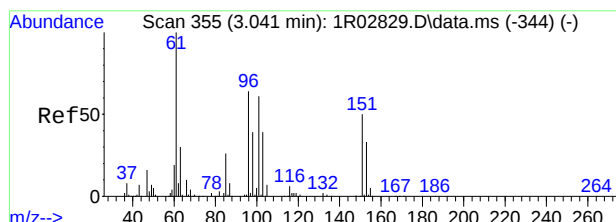
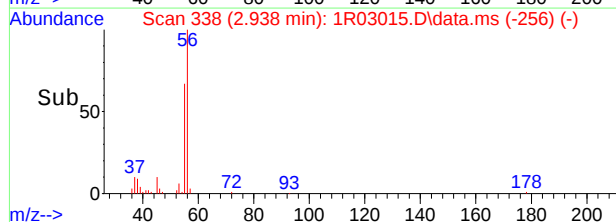
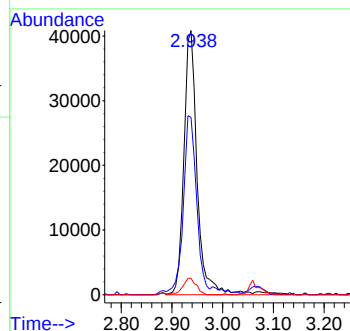
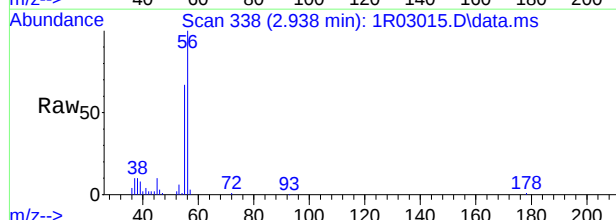
Tgt	Ion	Ratio	Lower	Upper
74	74	100		
45	137.8	114.8	174.8	
59	141.8	124.4	184.4	





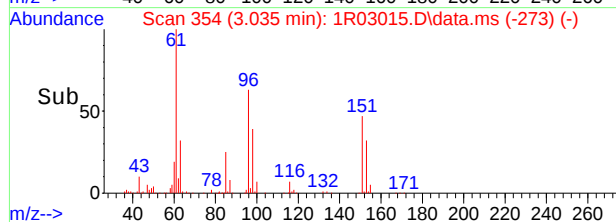
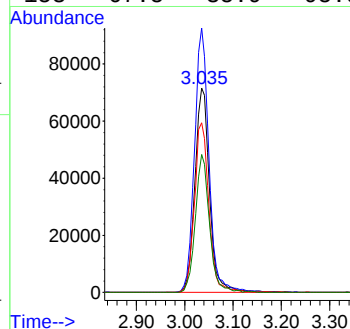
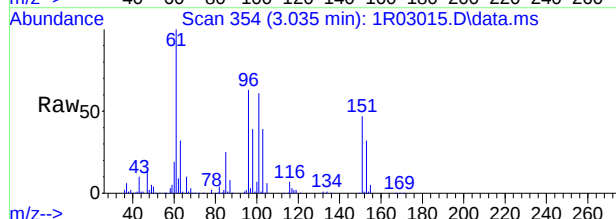
#15
acrolein
Concen: 49.22 ug/L
RT: 2.938 min Scan# 338
Delta R.T. -0.000 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

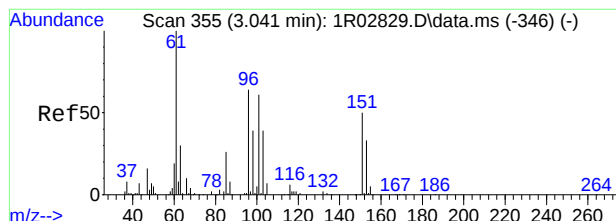
Tgt Ion	Ratio	Lower	Upper
56	100		
55	66.2	37.7	97.7
53	6.3	0.0	36.8



#16
freon 113
Concen: 41.55 ug/L
RT: 3.035 min Scan# 354
Delta R.T. -0.006 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

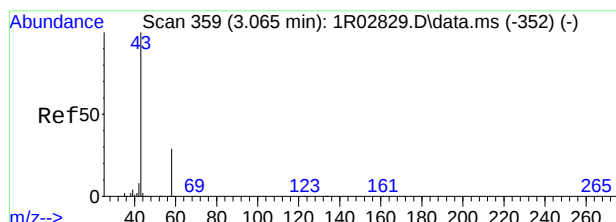
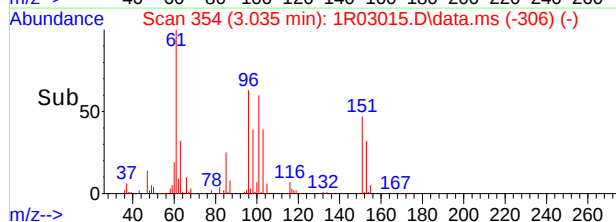
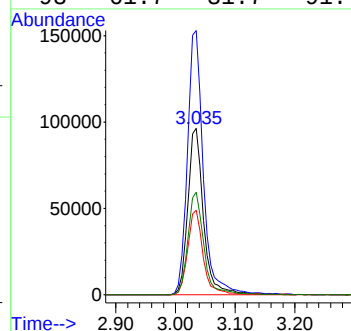
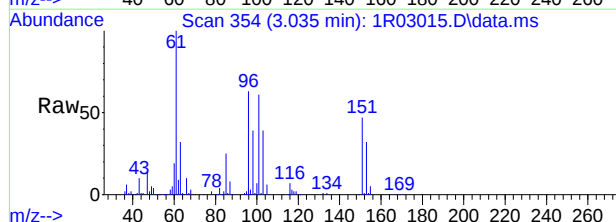
Tgt Ion	Ratio	Lower	Upper
151	100		
101	129.5	92.0	152.0
103	83.0	49.1	109.1
153	67.5	35.9	95.9





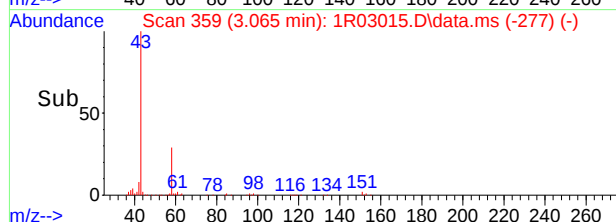
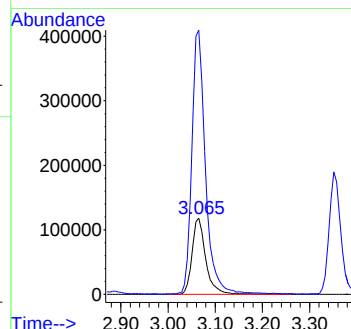
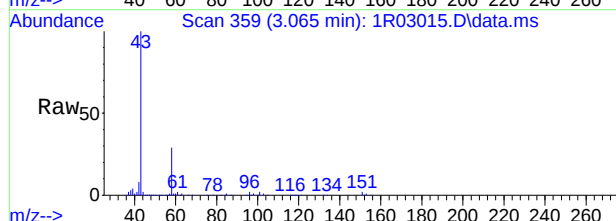
#17
1,1-dichloroethene
Concen: 43.22 ug/L
RT: 3.035 min Scan# 354
Delta R.T. -0.006 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

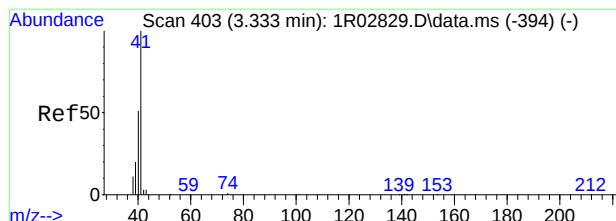
Tgt	Ion	Ratio	Lower	Upper
96	100			
61	158.9	126.6	186.6	
63	50.9	17.7	77.7	
98	61.7	31.7	91.7	



#18
acetone
Concen: 239.72 ug/L
RT: 3.065 min Scan# 359
Delta R.T. 0.000 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

Tgt	Ion	Ratio	Lower	Upper
58	100			
43	346.5	311.9	371.9	

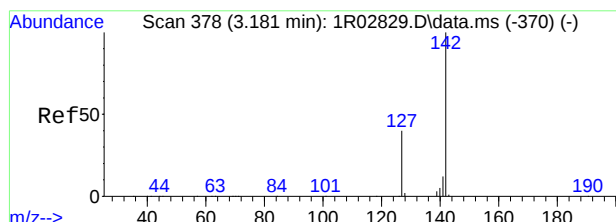
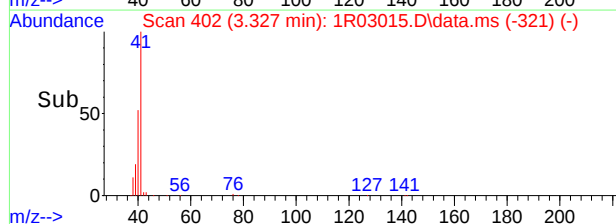
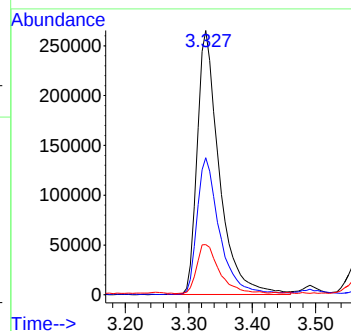
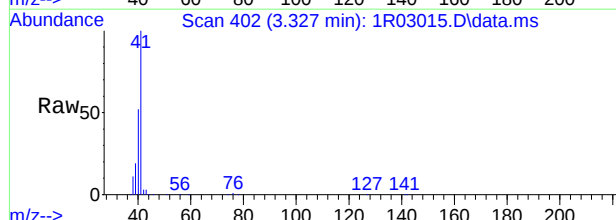




#19
acetonitrile
Concen: 477.30 ug/L
RT: 3.327 min Scan# 402
Delta R.T. -0.006 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

Tgt Ion: 41 Resp: 641665

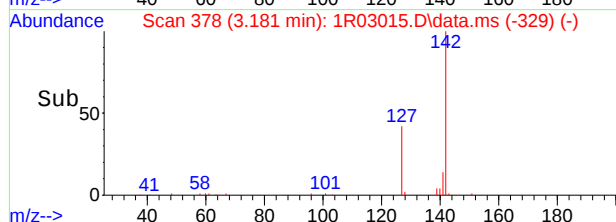
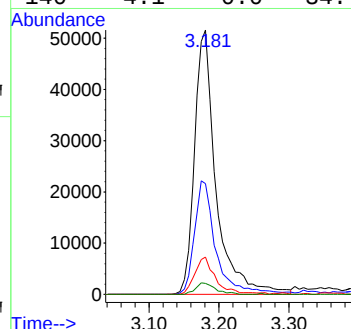
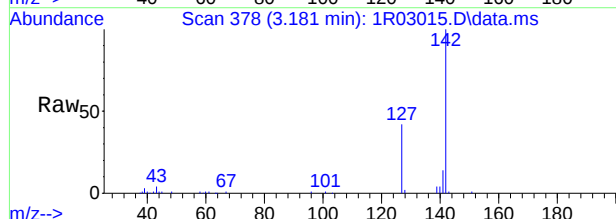
Ion	Ratio	Lower	Upper
41	100		
40	51.6	20.7	80.7
39	18.5	0.0	50.4

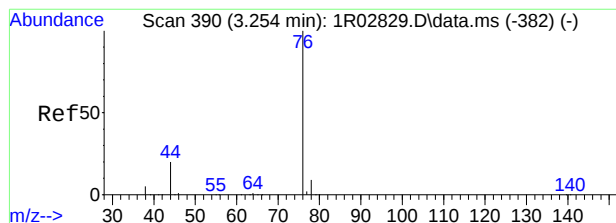


#20
iodomethane
Concen: 38.83 ug/L
RT: 3.181 min Scan# 378
Delta R.T. -0.000 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

Tgt Ion: 142 Resp: 110271

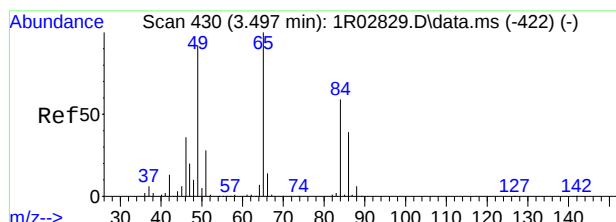
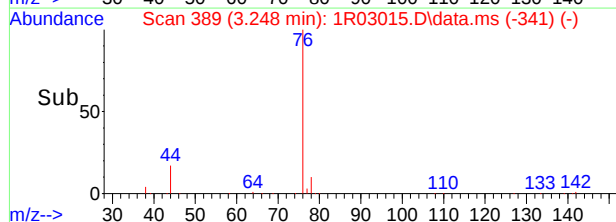
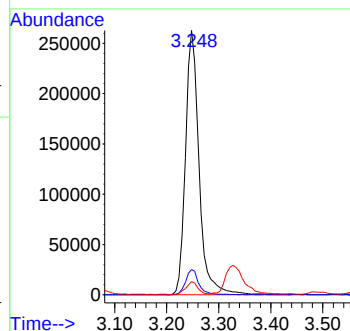
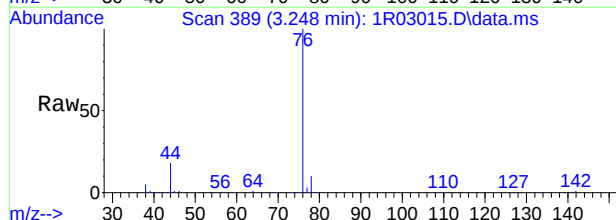
Ion	Ratio	Lower	Upper
142	100		
127	41.8	10.3	70.3
141	14.1	0.0	42.1
140	4.1	0.0	34.7





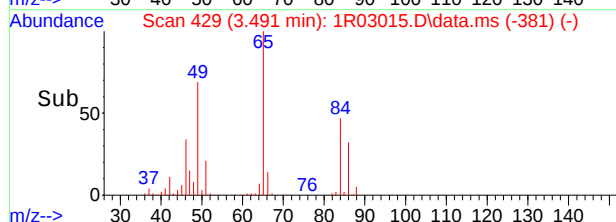
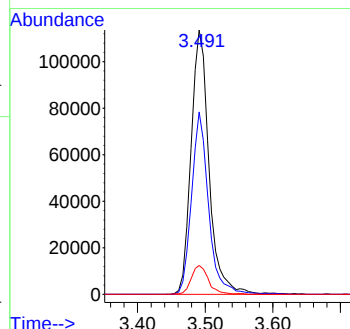
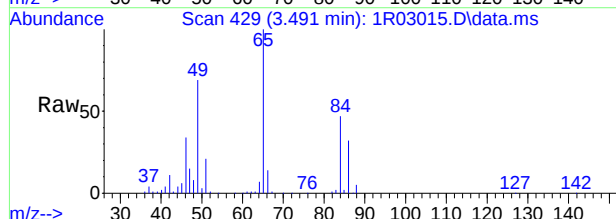
#21
carbon disulfide
Concen: 39.48 ug/L
RT: 3.248 min Scan# 389
Delta R.T. -0.006 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

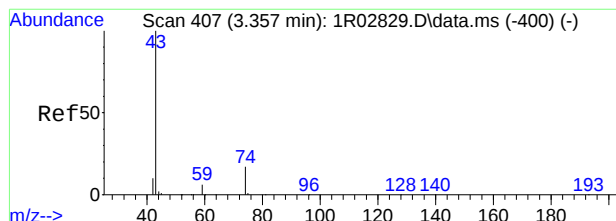
Tgt Ion: 76 Resp: 478882
Ion Ratio Lower Upper
76 100
78 9.6 0.0 39.3
38 4.7 0.0 34.5



#22
methylene chloride
Concen: 46.55 ug/L
RT: 3.491 min Scan# 429
Delta R.T. -0.006 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

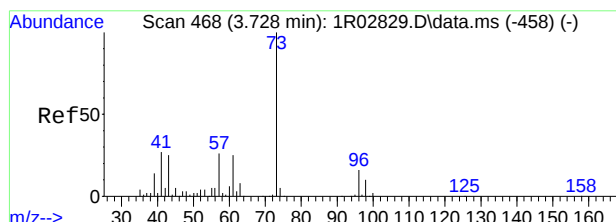
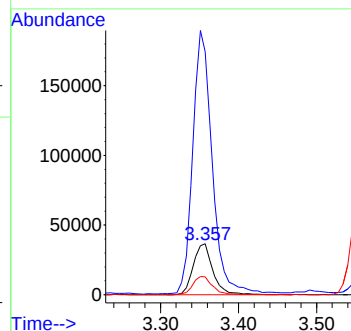
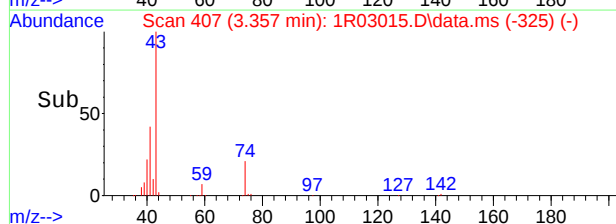
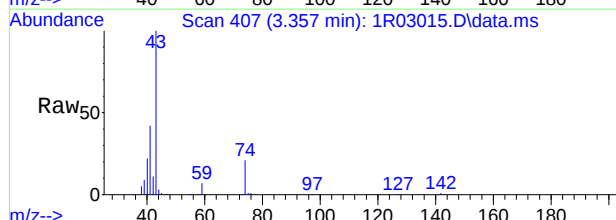
Tgt Ion: 84 Resp: 209619
Ion Ratio Lower Upper
84 100
86 69.1 35.5 95.5
88 10.9 0.0 40.7





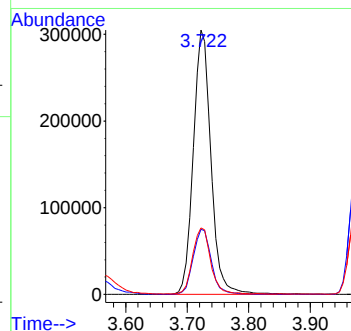
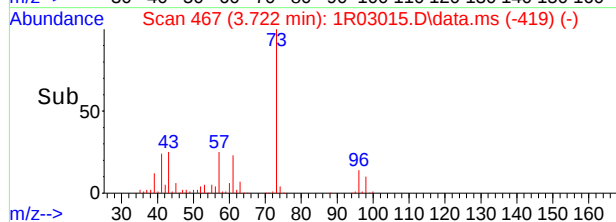
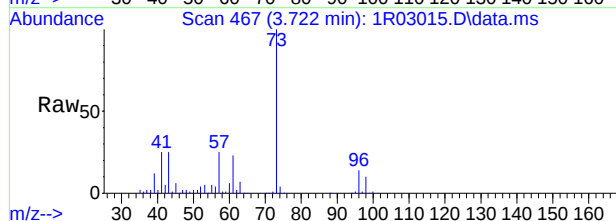
#23
methyl acetate
Concen: 47.94 ug/L
RT: 3.357 min Scan# 407
Delta R.T. 0.000 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

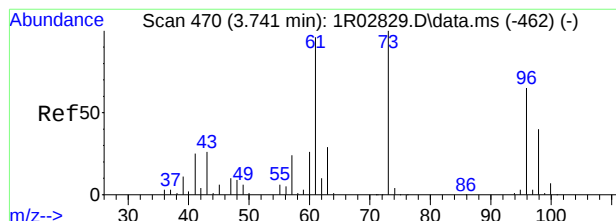
Tgt Ion: 74 Resp: 64521
Ion Ratio Lower Upper
74 100
43 473.0 564.6 624.6#
59 35.4 7.1 67.1



#24
methyl tert butyl ether
Concen: 47.33 ug/L
RT: 3.722 min Scan# 467
Delta R.T. -0.006 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

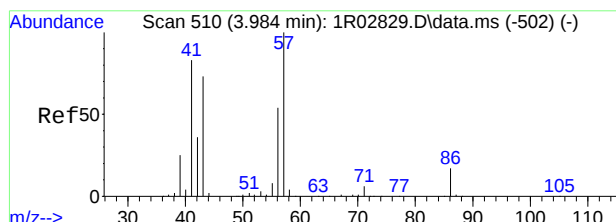
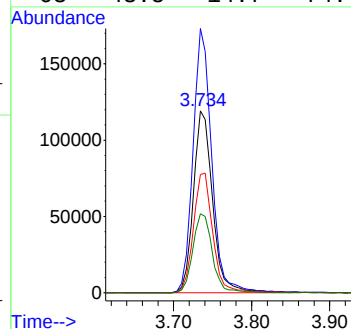
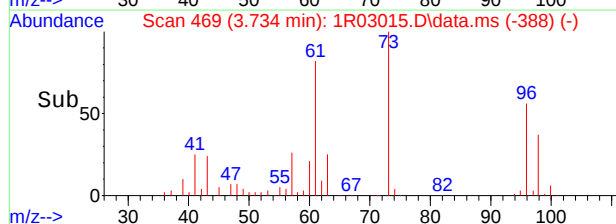
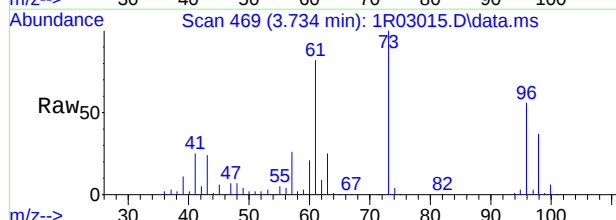
Tgt Ion: 73 Resp: 608741
Ion Ratio Lower Upper
73 100
57 24.6 0.0 55.9
43 25.1 0.0 55.4





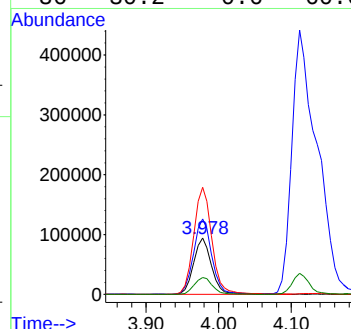
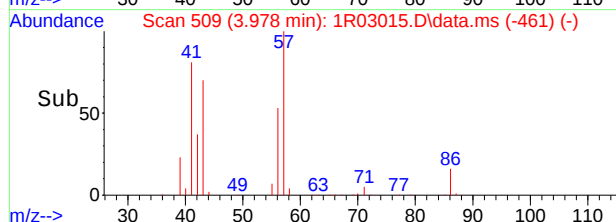
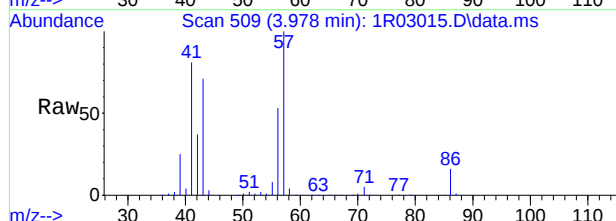
#25
trans-1,2-dichloroethene
Concen: 44.76 ug/L
RT: 3.734 min Scan# 469
Delta R.T. -0.007 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

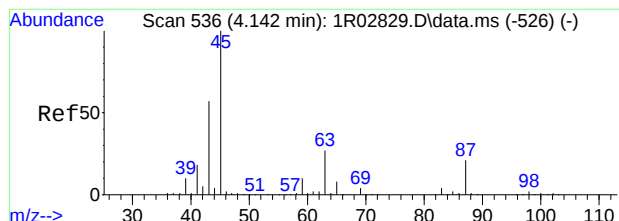
Tgt Ion:	96	Resp:	205228
Ion	Ratio	Lower	Upper
96	100		
61	145.2	117.5	177.5
98	65.0	31.0	91.0
63	43.5	14.7	74.7



#26
hexane
Concen: 41.64 ug/L
RT: 3.978 min Scan# 509
Delta R.T. -0.006 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

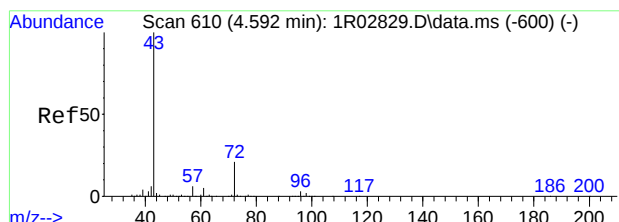
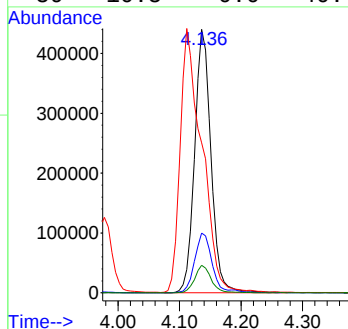
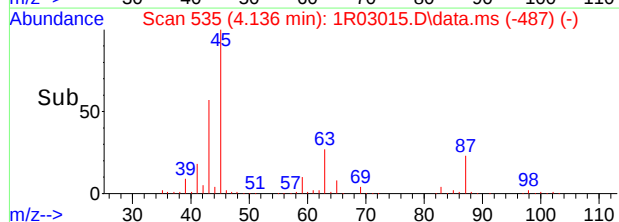
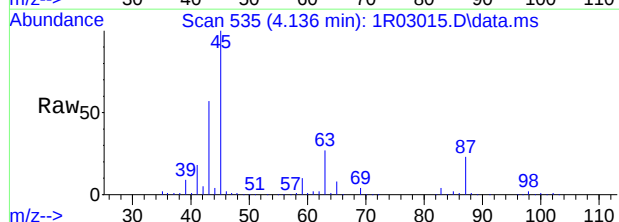
Tgt Ion:	56	Resp:	161844
Ion	Ratio	Lower	Upper
56	100		
43	133.8	105.1	165.1
57	189.9	154.8	214.8
86	30.2	0.6	60.6





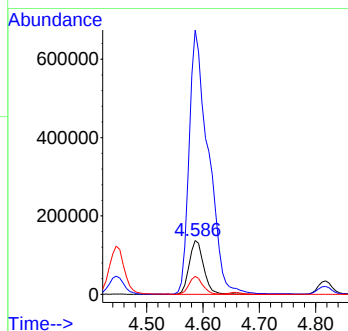
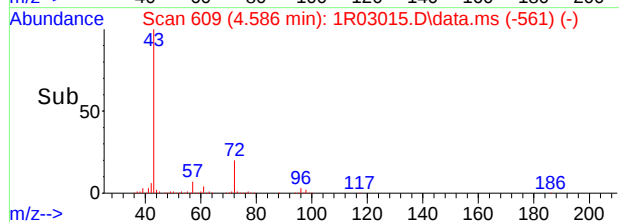
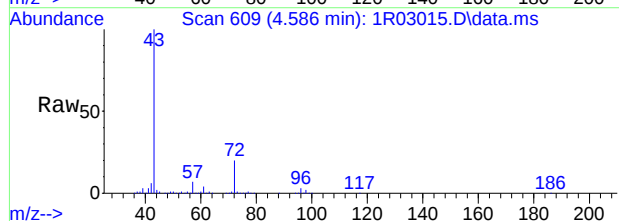
#27
di-isopropyl ether
Concen: 44.66 ug/L
RT: 4.136 min Scan# 535
Delta R.T. -0.006 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

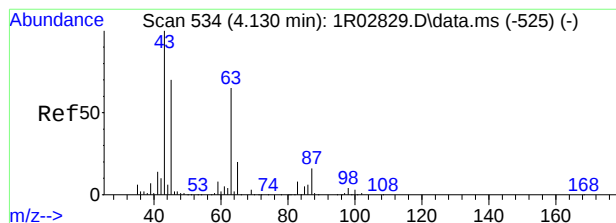
Tgt	Ion	45	Resp	814994
Ion	Ratio	Lower	Upper	
45	100			
87	22.6	0.0	51.0	
43	56.7	27.5	87.5	
59	10.5	0.0	40.4	



#28
2-butanone
Concen: 209.09 ug/L
RT: 4.586 min Scan# 609
Delta R.T. -0.006 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

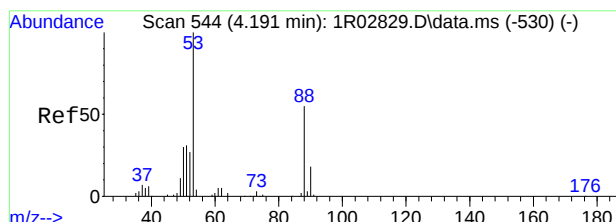
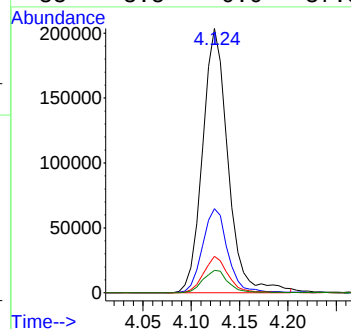
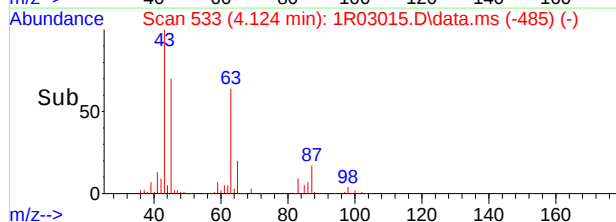
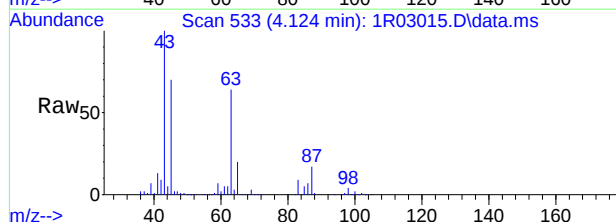
Tgt	Ion	72	Resp	245257
Ion	Ratio	Lower	Upper	
72	100			
43	489.7	444.7	504.7	
57	33.1	0.2	60.2	





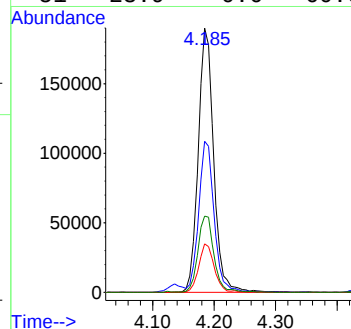
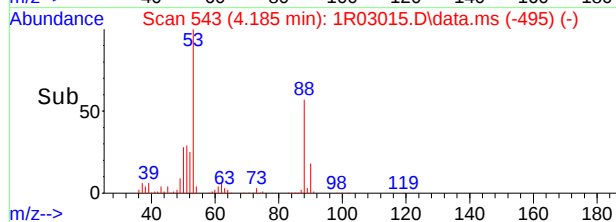
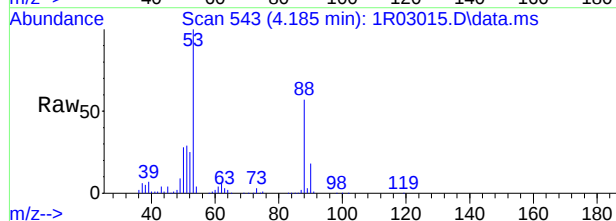
#29
1,1-dichloroethane
Concen: 43.48 ug/L
RT: 4.124 min Scan# 533
Delta R.T. -0.006 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

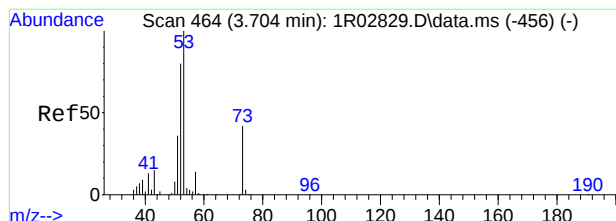
Tgt	Ion	Ratio	Lower	Upper
63	63	100		
65	65	31.9	0.3	60.3
83	83	13.8	0.0	42.5
85	85	8.5	0.0	37.5



#30
chloroprene
Concen: 44.84 ug/L
RT: 4.185 min Scan# 543
Delta R.T. -0.006 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

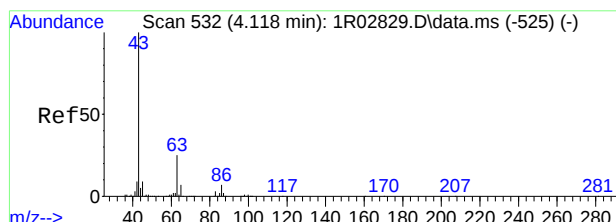
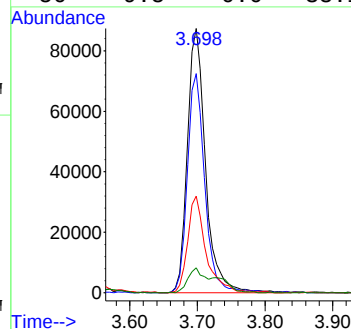
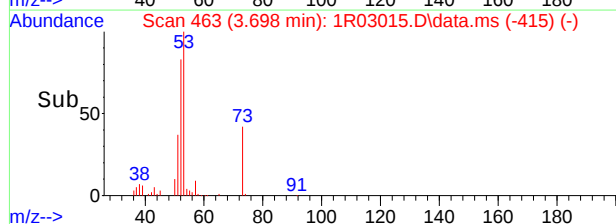
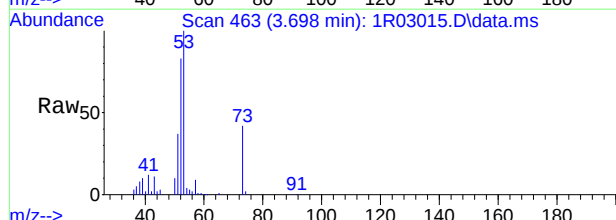
Tgt	Ion	Ratio	Lower	Upper
53	53	100		
88	88	57.0	25.1	85.1
90	90	18.4	0.0	47.7
51	51	28.9	0.6	60.6





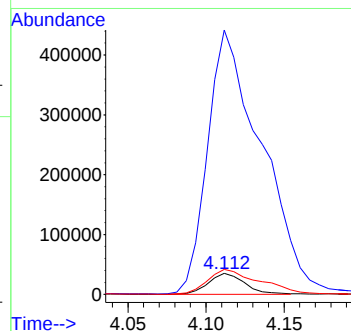
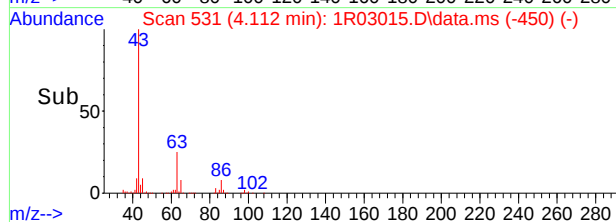
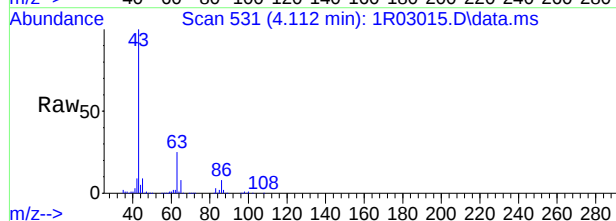
#31
acrylonitrile
Concen: 49.10 ug/L
RT: 3.698 min Scan# 463
Delta R.T. -0.006 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

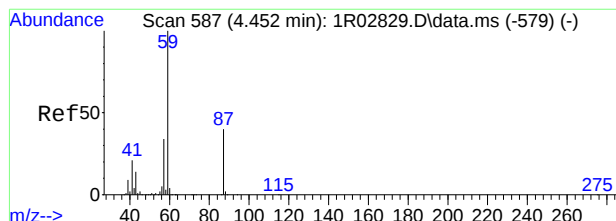
Tgt Ion: 53 Resp: 163585
Ion Ratio Lower Upper
53 100
52 82.9 49.6 109.6
51 36.6 6.3 66.3
50 9.5 0.0 38.1



#32
vinyl acetate
Concen: 48.60 ug/L
RT: 4.112 min Scan# 531
Delta R.T. -0.006 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

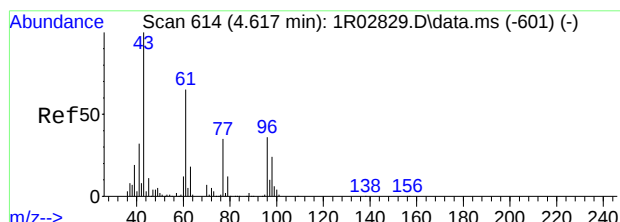
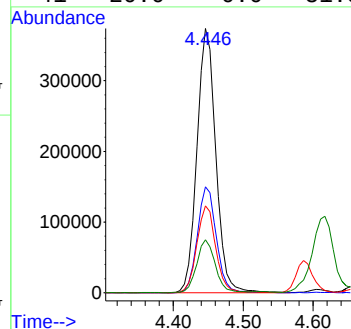
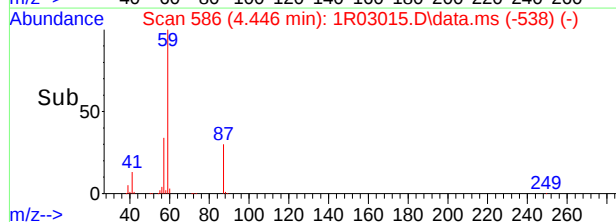
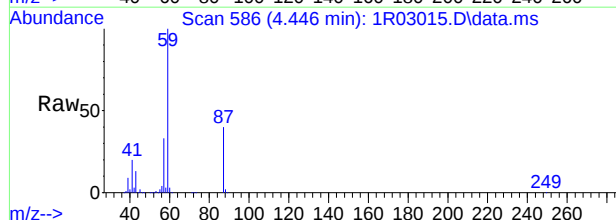
Tgt Ion: 86 Resp: 57072
Ion Ratio Lower Upper
86 100
43 1256.4 1351.3 1411.3#
42 117.7 101.0 161.0





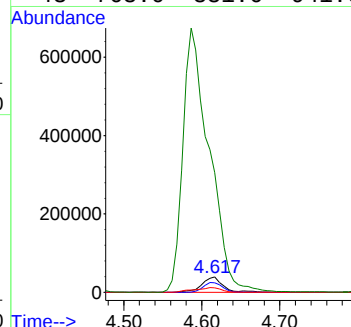
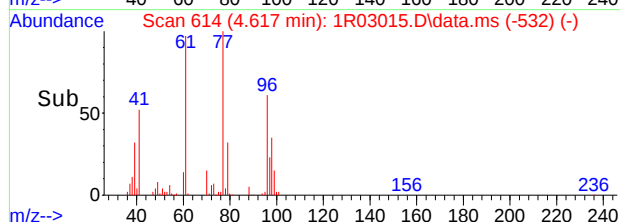
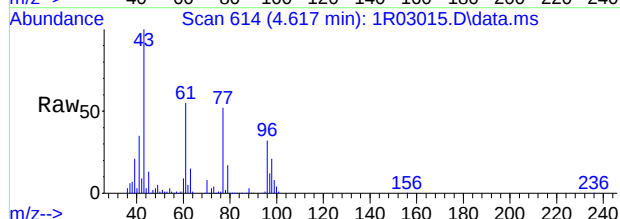
#33
ethyl tert-butyl ether
Concen: 48.55 ug/L
RT: 4.446 min Scan# 586
Delta R.T. -0.006 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

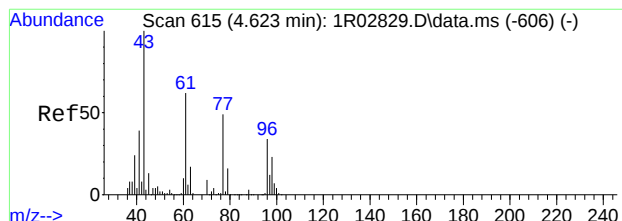
Tgt	Ion	59	Resp	699862
	Ratio	100	Lower	Upper
	59	100		
	87	40.1	9.9	69.9
	57	32.8	4.4	64.4
	41	20.0	0.0	51.3



#34
ethyl acetate
Concen: 46.20 ug/L
RT: 4.617 min Scan# 614
Delta R.T. -0.000 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

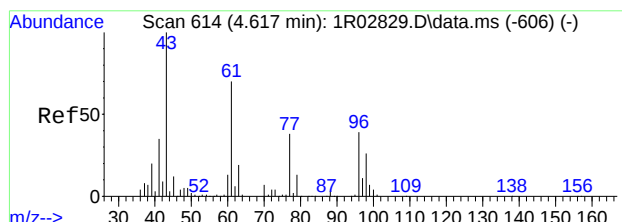
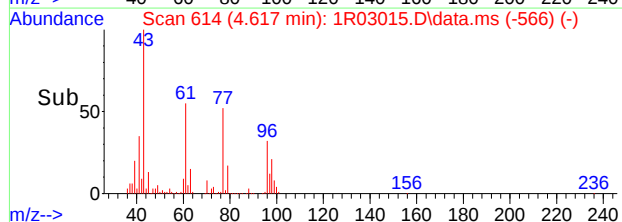
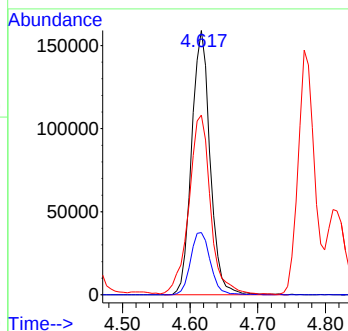
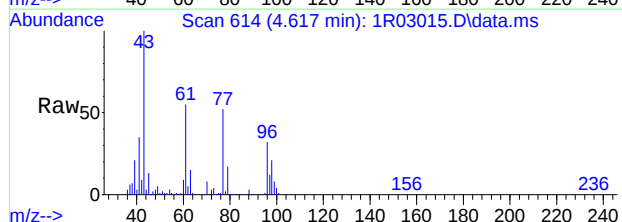
Tgt	Ion	45	Resp	75998
	Ratio	100	Lower	Upper
	45	100		
	70	62.0	32.8	92.8
	73	29.4	0.4	60.4
	43	768.0	881.6	941.6#





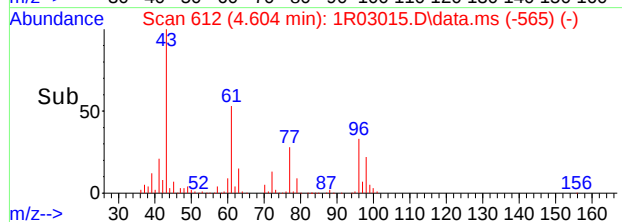
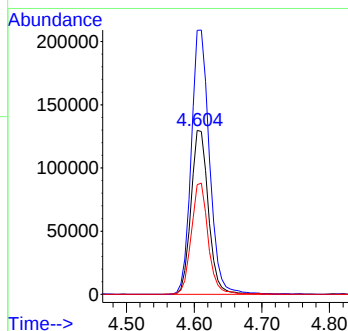
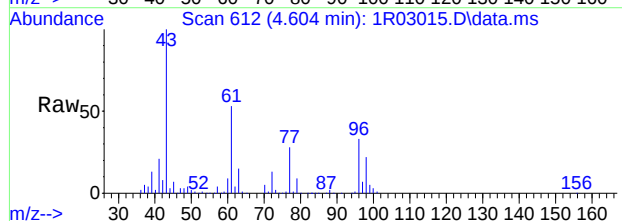
#35
2,2-dichloropropane
Concen: 48.01 ug/L
RT: 4.617 min Scan# 614
Delta R.T. -0.006 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

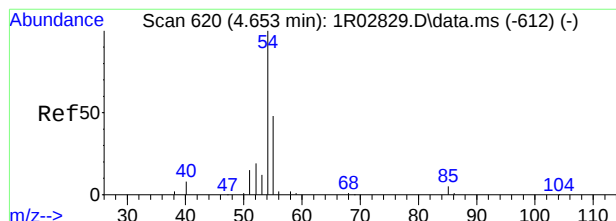
Tgt Ion	Ratio	Lower	Upper
77	100		
97	23.5	0.0	54.9
41	67.1	48.9	108.9



#36
cis-1,2-dichloroethene
Concen: 45.55 ug/L
RT: 4.604 min Scan# 612
Delta R.T. -0.013 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

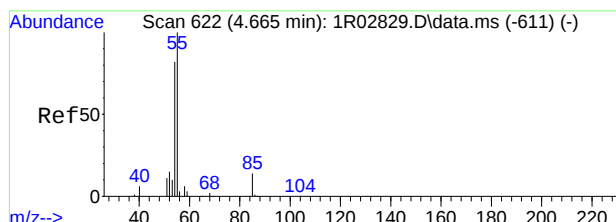
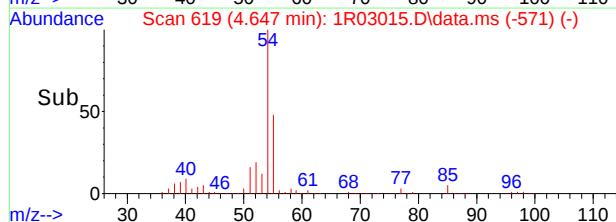
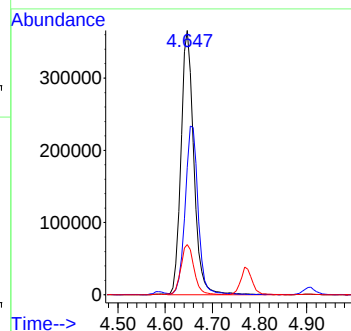
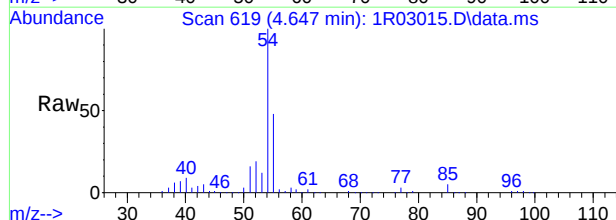
Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.9	151.5	211.5
98	66.8	36.9	96.9





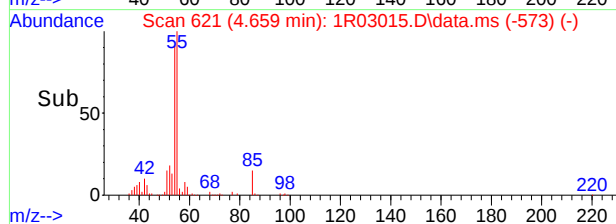
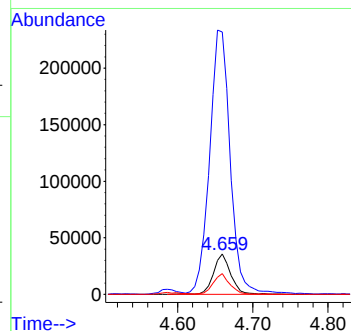
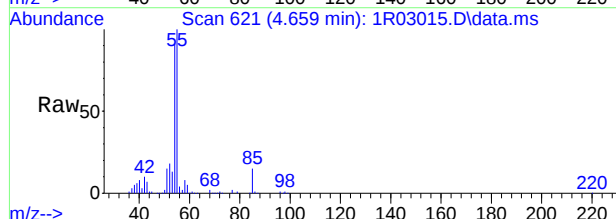
#37
propionitrile
Concen: 457.71 ug/L
RT: 4.647 min Scan# 619
Delta R.T. -0.006 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

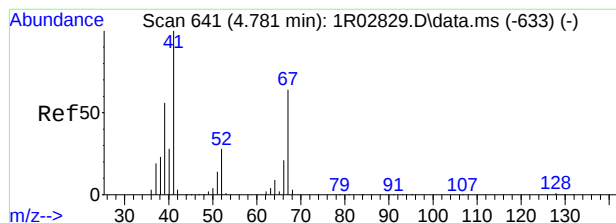
Tgt Ion: 54 Resp: 692922
Ion Ratio Lower Upper
54 100
55 48.2 18.4 78.4
52 19.0 0.0 49.4



#38
methyl acrylate
Concen: 46.23 ug/L
RT: 4.659 min Scan# 621
Delta R.T. -0.006 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

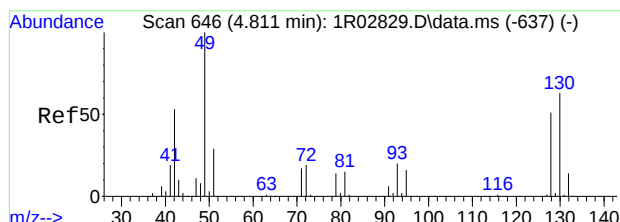
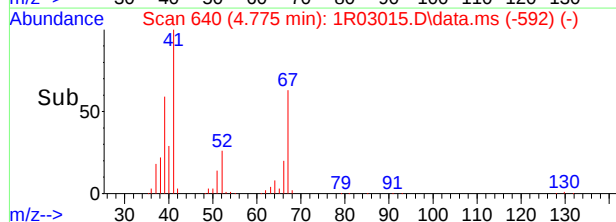
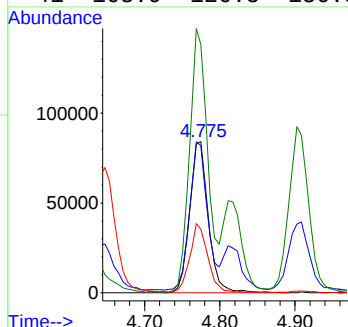
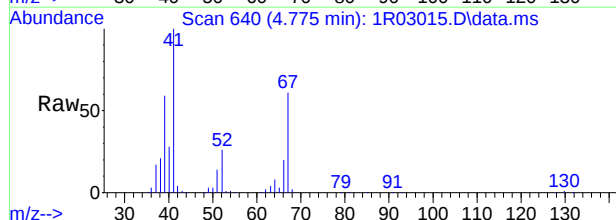
Tgt Ion: 85 Resp: 57221
Ion Ratio Lower Upper
85 100
55 644.5 692.7 732.7#
58 51.3 23.8 63.8





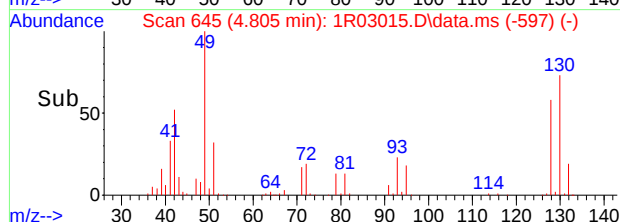
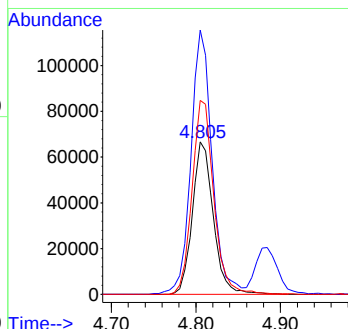
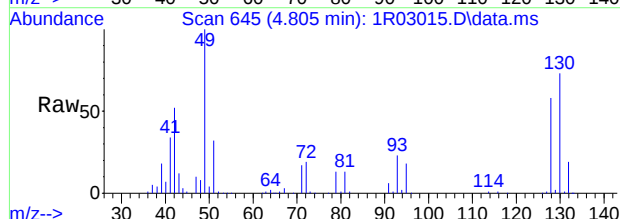
#39
methacrylonitrile
Concen: 44.22 ug/L
RT: 4.775 min Scan# 640
Delta R.T. -0.006 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

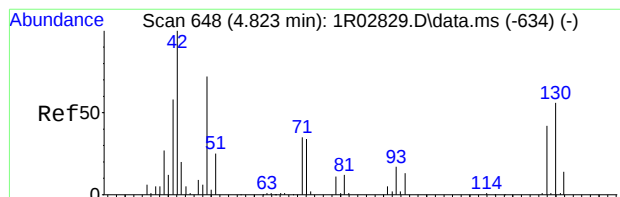
Tgt Ion:	67	Resp:	144686
Ion	Ratio	Lower	Upper
67	100		
39	95.2	57.2	117.2
52	41.7	14.4	74.4
41	163.9	126.5	186.5



#40
bromochloromethane
Concen: 47.32 ug/L
RT: 4.805 min Scan# 645
Delta R.T. -0.006 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

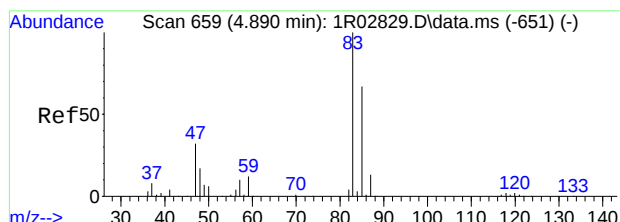
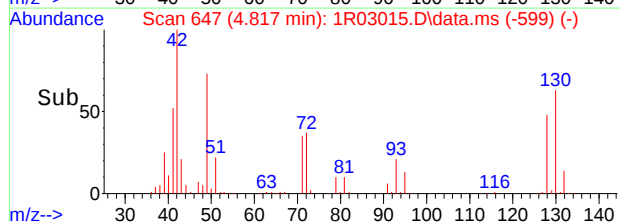
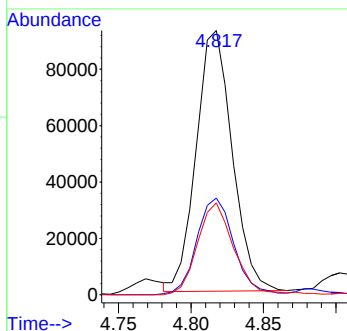
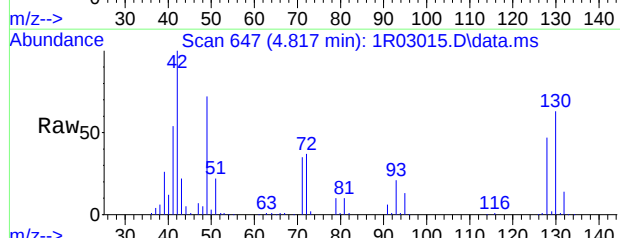
Tgt Ion:	128	Resp:	114929
Ion	Ratio	Lower	Upper
128	100		
49	171.6	167.6	227.6
130	127.2	94.5	154.5





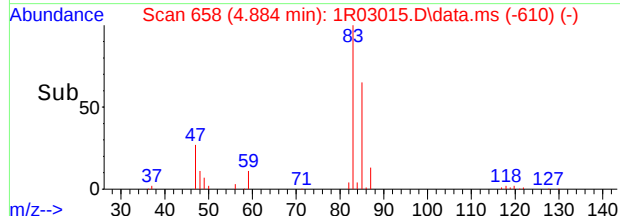
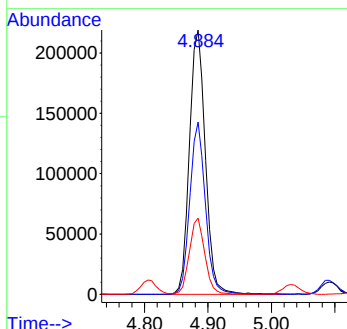
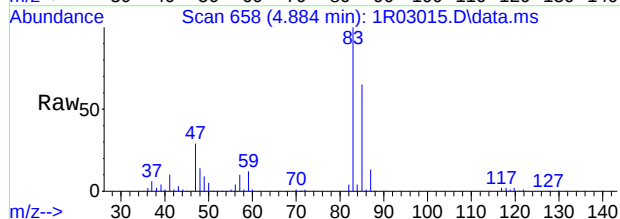
#41
tetrahydrofuran
Concen: 39.24 ug/L
RT: 4.817 min Scan# 647
Delta R.T. -0.006 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

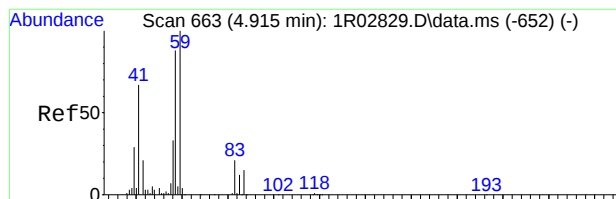
Tgt Ion: 42 Resp: 160131
Ion Ratio Lower Upper
42 100
72 36.7 3.7 63.7
71 35.3 5.4 65.4



#42
chloroform
Concen: 45.56 ug/L
RT: 4.884 min Scan# 658
Delta R.T. -0.006 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

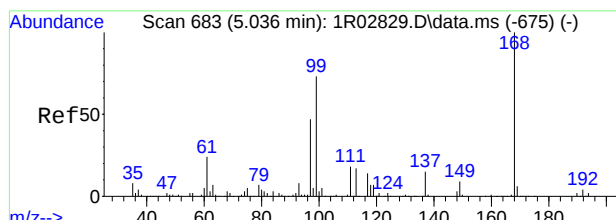
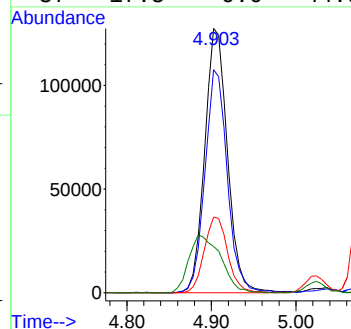
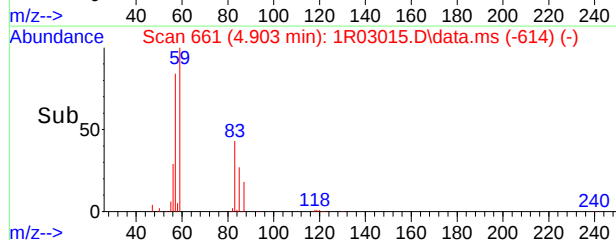
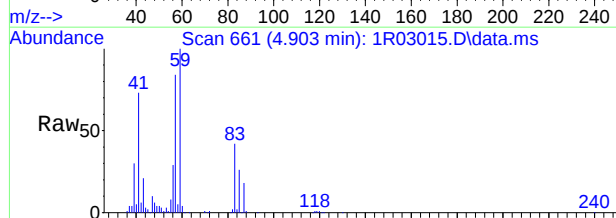
Tgt Ion: 83 Resp: 383734
Ion Ratio Lower Upper
83 100
85 65.2 36.6 96.6
47 27.9 2.5 62.5





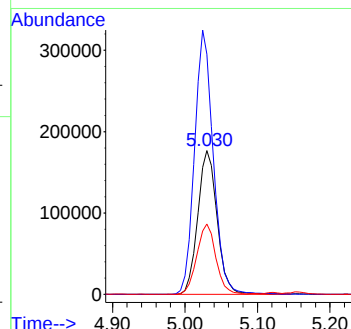
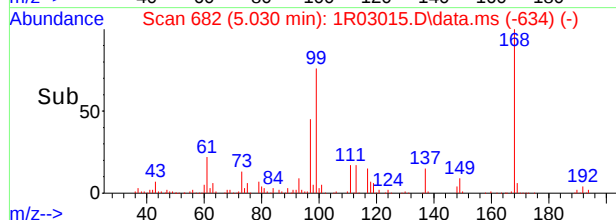
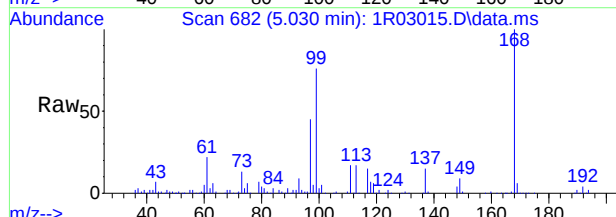
#43
tert-Butyl Formate
Concen: 52.17 ug/L
RT: 4.903 min Scan# 661
Delta R.T. -0.012 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

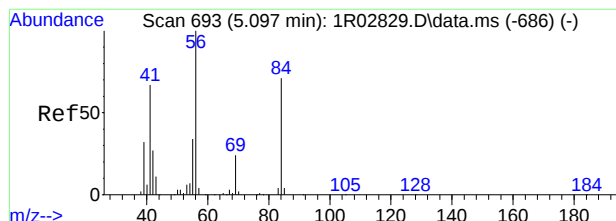
Tgt Ion	Ratio	Lower	Upper
59	100		
57	84.4	57.8	117.8
56	28.6	2.6	62.6
87	17.5	0.0	44.9



#45
1,1,1-trichloroethane
Concen: 45.20 ug/L
RT: 5.030 min Scan# 682
Delta R.T. -0.006 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

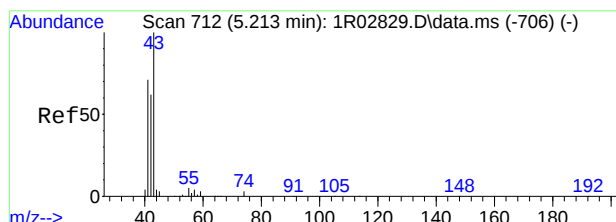
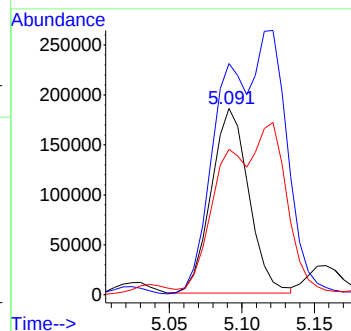
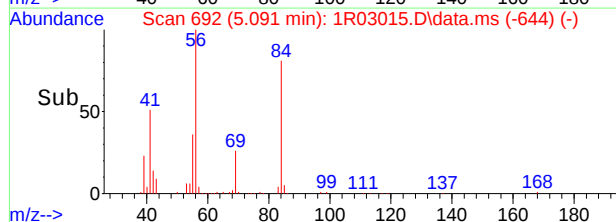
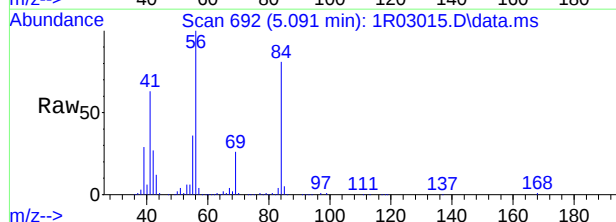
Tgt Ion	Ratio	Lower	Upper
97	100		
99	167.0	125.4	185.4
61	48.9	21.5	81.5





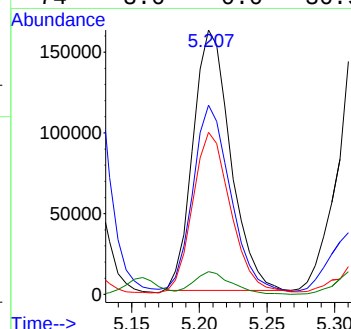
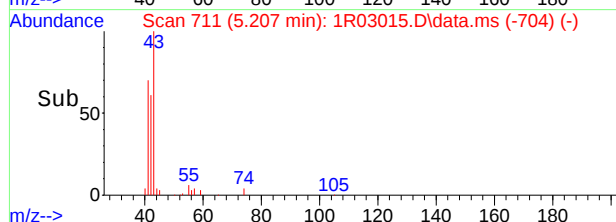
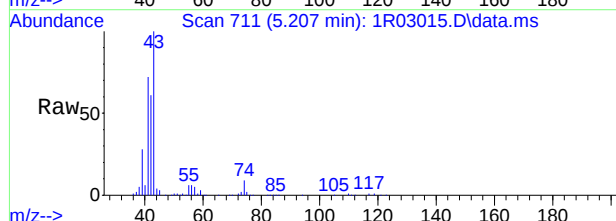
#46
cyclohexane
Concen: 49.56 ug/L
RT: 5.091 min Scan# 692
Delta R.T. -0.006 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

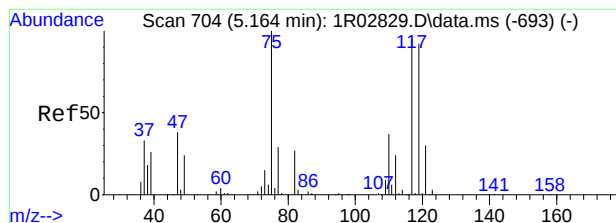
Tgt Ion: 84 Resp: 333997
Ion Ratio Lower Upper
84 100
56 124.8 110.2 170.2
41 75.2 64.4 124.4



#47
isobutyl alcohol
Concen: 504.80 ug/L
RT: 5.207 min Scan# 711
Delta R.T. -0.006 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

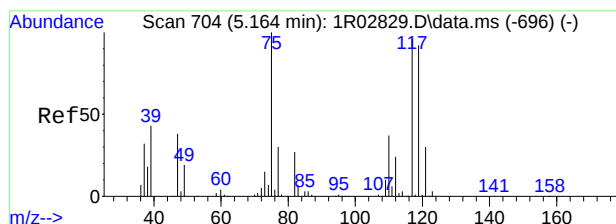
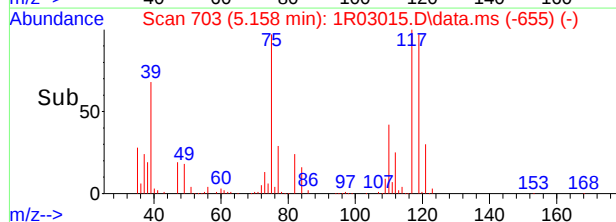
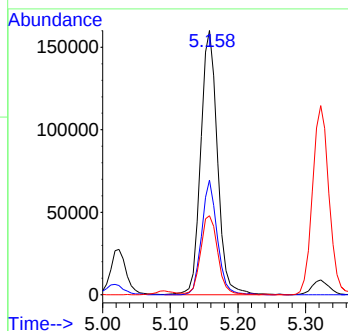
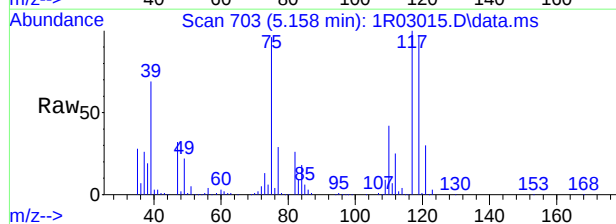
Tgt Ion: 43 Resp: 310889
Ion Ratio Lower Upper
43 100
41 71.6 41.5 101.5
42 61.2 32.0 92.0
74 8.6 0.0 36.9





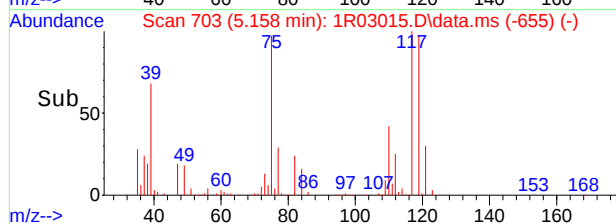
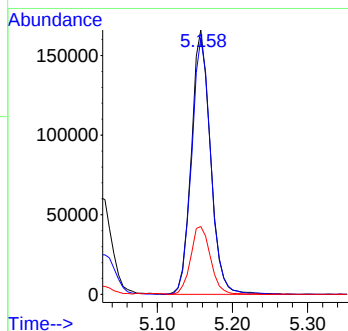
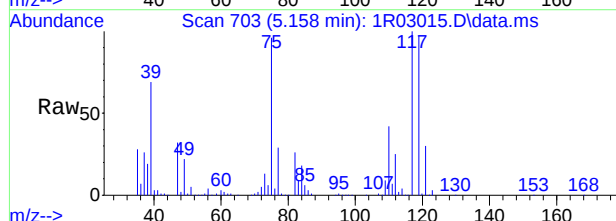
#48
1,1-dichloropropene
Concen: 45.37 ug/L
RT: 5.158 min Scan# 703
Delta R.T. -0.006 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

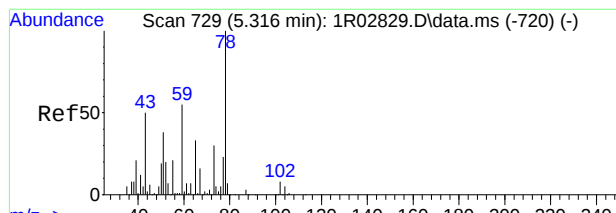
Tgt Ion: 75 Resp: 275986
Ion Ratio Lower Upper
75 100
110 43.4 16.6 56.6
77 29.9 10.2 50.2



#49
carbon tetrachloride
Concen: 48.47 ug/L
RT: 5.158 min Scan# 703
Delta R.T. -0.006 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

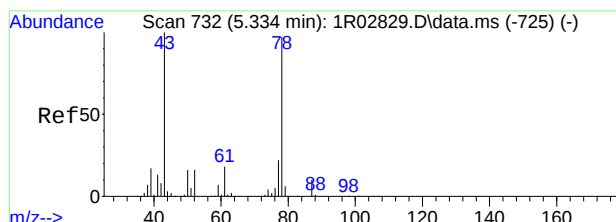
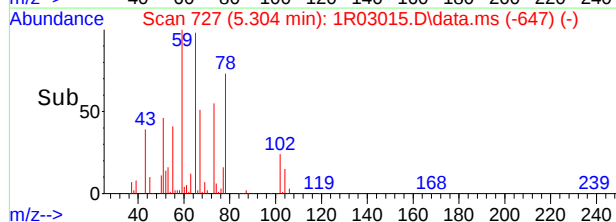
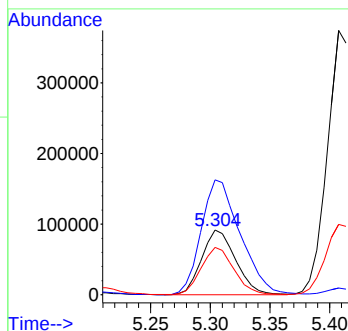
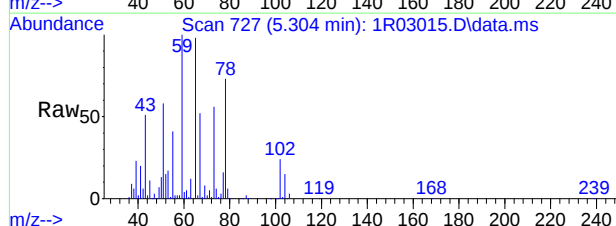
Tgt Ion: 117 Resp: 293329
Ion Ratio Lower Upper
117 100
119 96.8 76.3 116.3
82 25.6 0.0 58.8





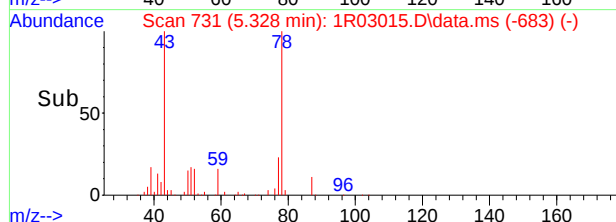
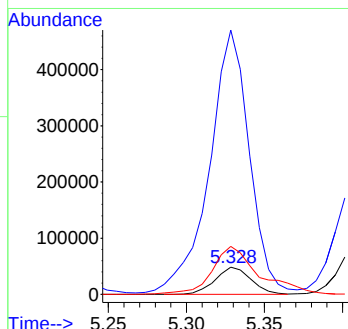
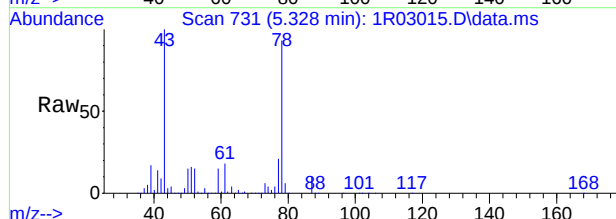
#50
tert-amyl alcohol
Concen: 248.57 ug/L
RT: 5.304 min Scan# 727
Delta R.T. -0.012 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

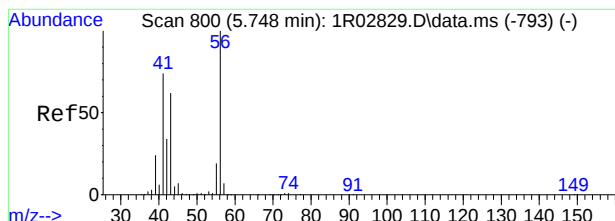
Tgt Ion: 73 Resp: 181596
Ion Ratio Lower Upper
73 100
59 177.3 161.2 201.2
55 72.7 38.8 98.8



#51
isopropyl acetate
Concen: 47.55 ug/L
RT: 5.328 min Scan# 731
Delta R.T. -0.006 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

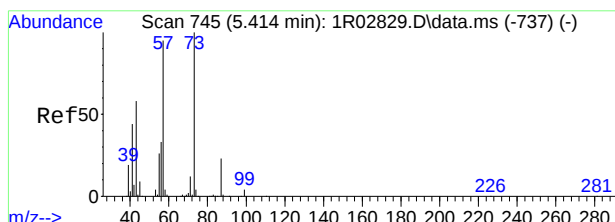
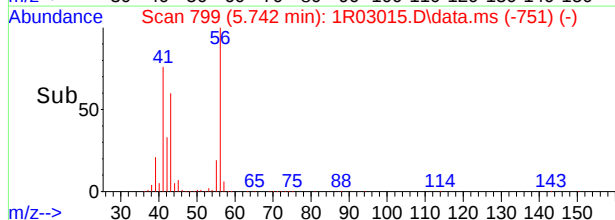
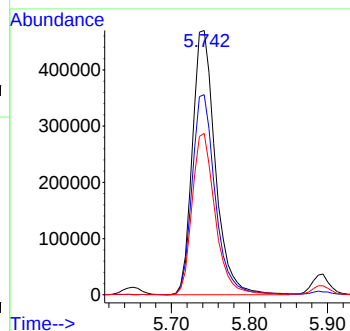
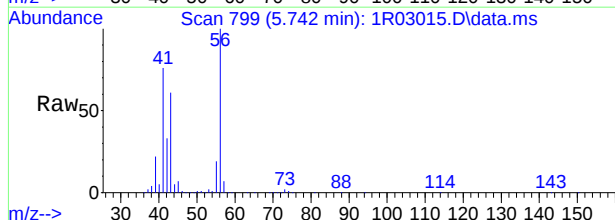
Tgt Ion: 87 Resp: 77308
Ion Ratio Lower Upper
87 100
43 953.4 982.5 1042.5#
61 171.4 145.1 205.1





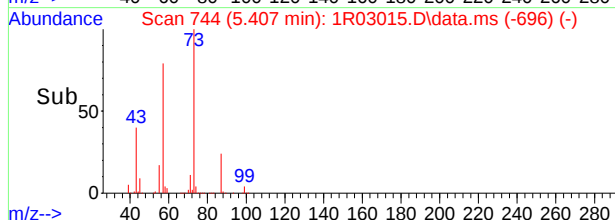
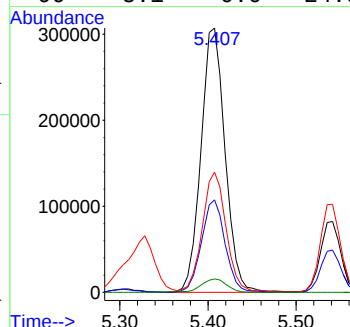
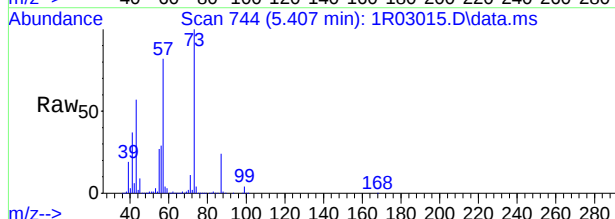
#54
n-butyl alcohol
Concen: 2359.13 ug/L
RT: 5.742 min Scan# 799
Delta R.T. -0.006 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

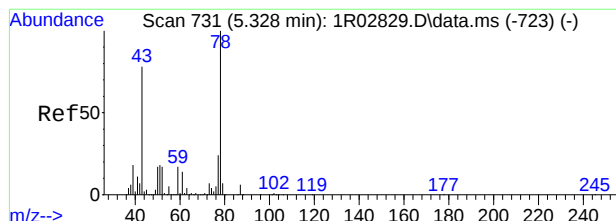
Tgt Ion: 56 Resp: 960798
Ion Ratio Lower Upper
56 100
41 75.7 44.1 104.1
43 61.0 32.2 92.2



#55
2,2,4-trimethylpentane
Concen: 38.94 ug/L
RT: 5.407 min Scan# 744
Delta R.T. -0.007 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

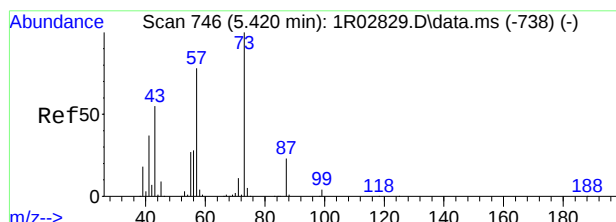
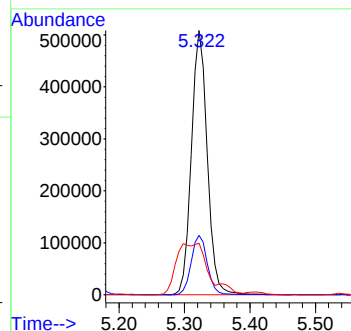
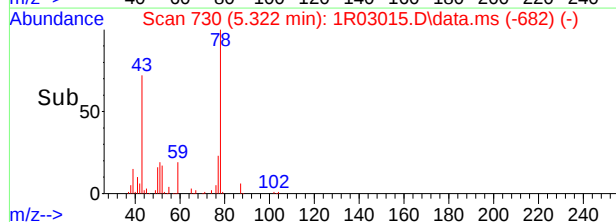
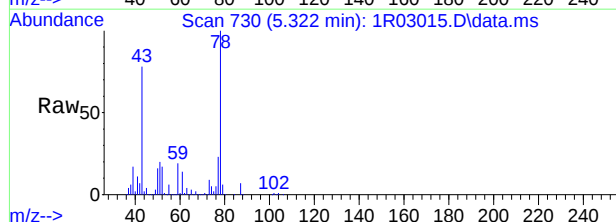
Tgt Ion: 57 Resp: 586116
Ion Ratio Lower Upper
57 100
56 35.0 5.1 65.1
41 45.2 17.1 77.1
99 5.1 0.0 24.9





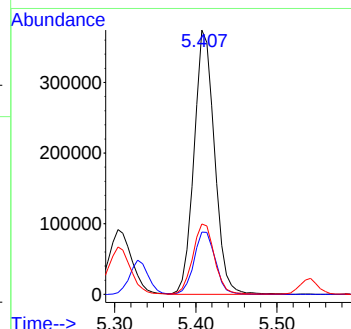
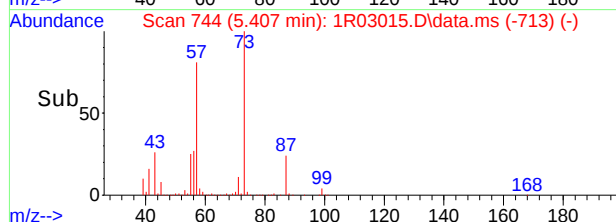
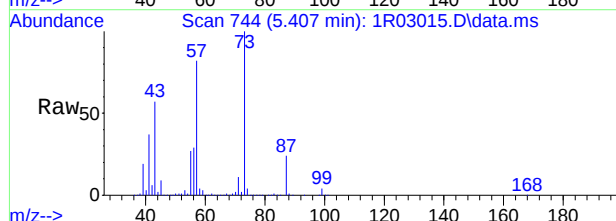
#56
benzene
Concen: 40.04 ug/L
RT: 5.322 min Scan# 730
Delta R.T. -0.006 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

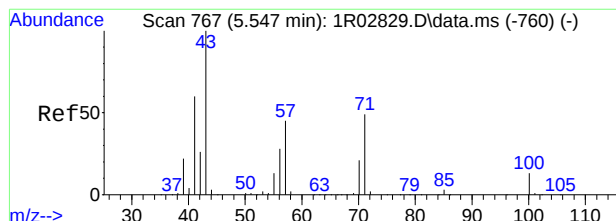
Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.5	0.0	53.6
51	19.5	0.0	49.7



#57
tert-amyl methyl ether
Concen: 43.17 ug/L
RT: 5.407 min Scan# 744
Delta R.T. -0.013 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

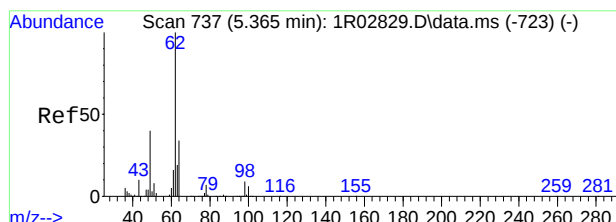
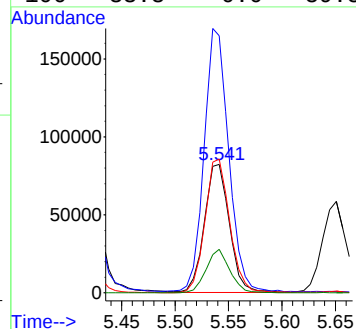
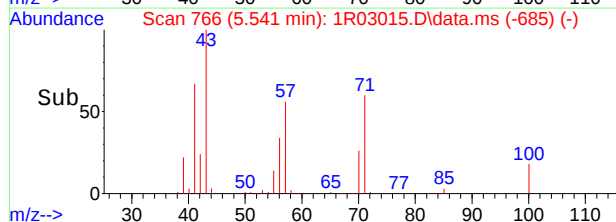
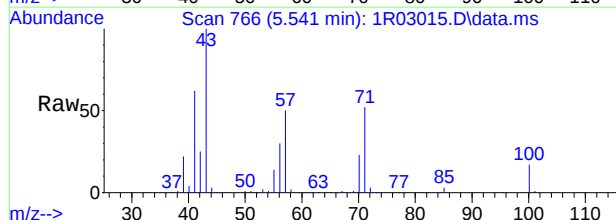
Tgt Ion	Ratio	Lower	Upper
73	100		
87	23.6	0.0	52.5
55	26.5	0.0	56.5





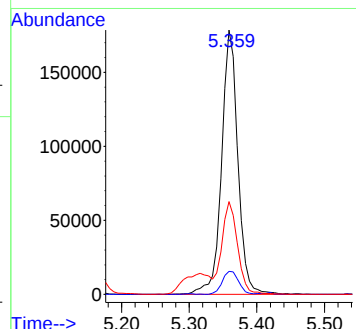
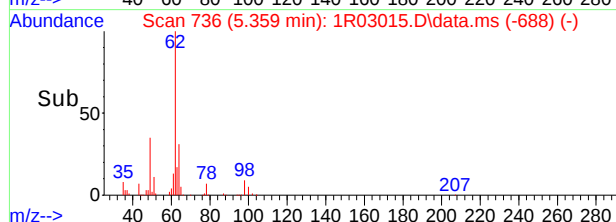
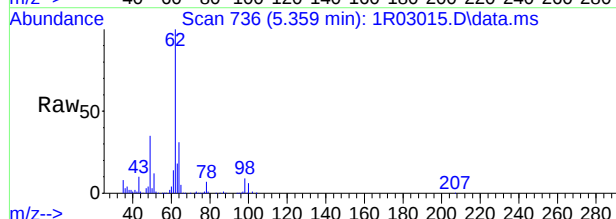
#58
heptane
Concen: 39.51 ug/L
RT: 5.541 min Scan# 766
Delta R.T. -0.006 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

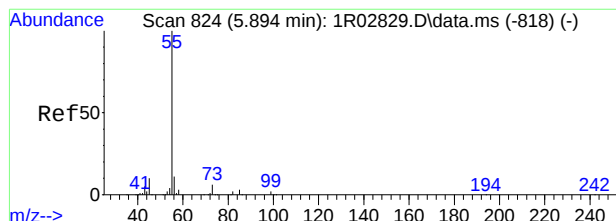
Tgt Ion	Ratio	Lower	Upper
57	100		
43	199.3	192.0	252.0
71	104.2	79.6	139.6
100	33.8	0.0	59.8



#59
1,2-dichloroethane
Concen: 43.90 ug/L
RT: 5.359 min Scan# 736
Delta R.T. -0.006 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

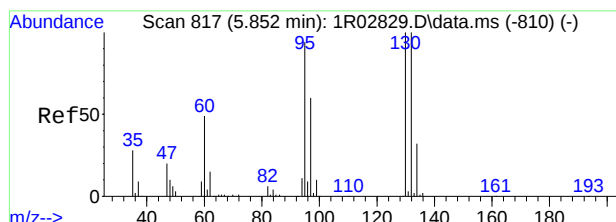
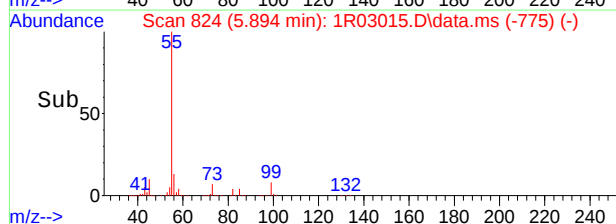
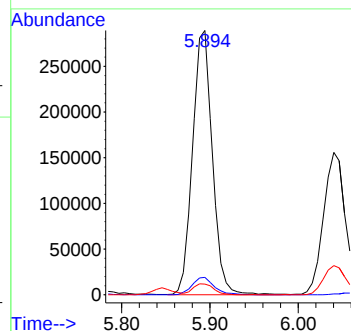
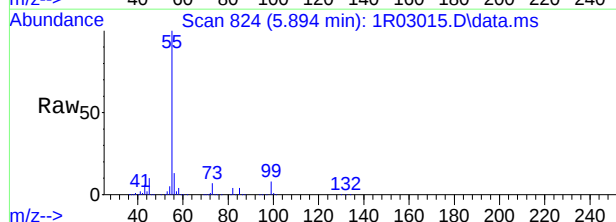
Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	39.4
49	35.2	10.2	70.2





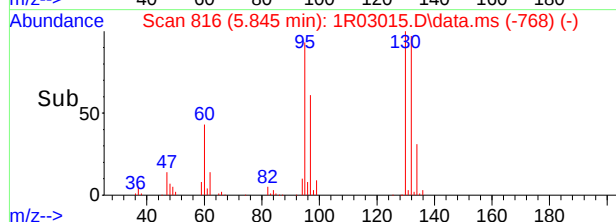
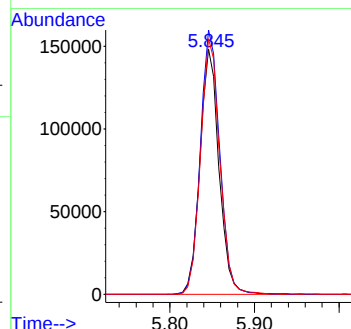
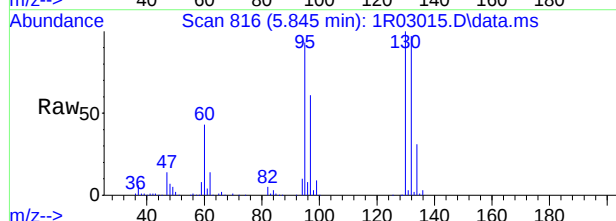
#60
ethyl acrylate
Concen: 41.07 ug/L
RT: 5.894 min Scan# 824
Delta R.T. 0.000 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

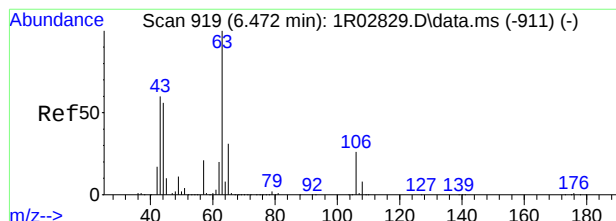
Tgt Ion	Ratio	Lower	Upper
55	100		
73	6.6	0.0	26.4
82	4.0	0.0	24.2



#61
trichloroethene
Concen: 43.22 ug/L
RT: 5.845 min Scan# 816
Delta R.T. -0.007 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

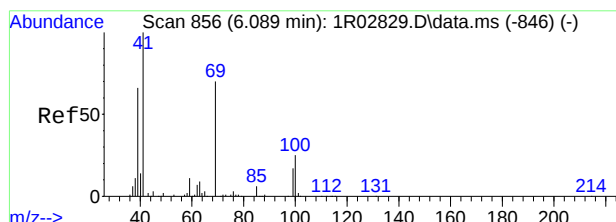
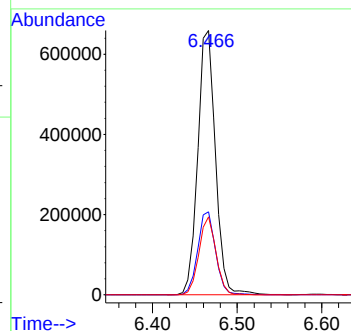
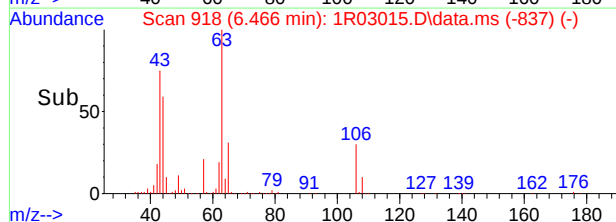
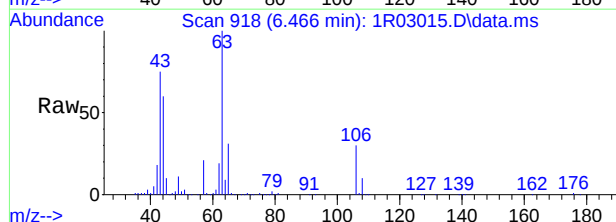
Tgt Ion	Ratio	Lower	Upper
95	100		
130	107.8	76.7	136.7
132	104.2	76.3	136.3





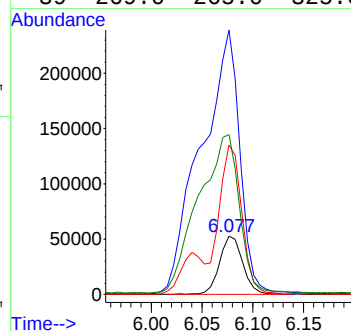
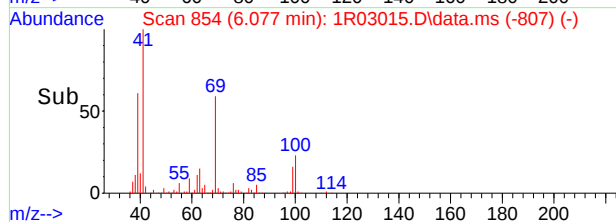
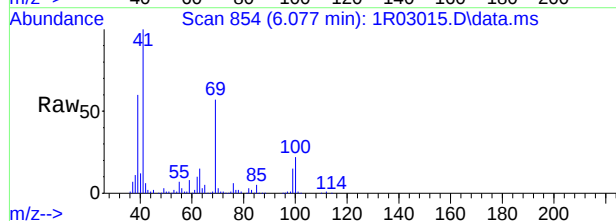
#62
2-chloroethyl vinyl ether
Concen: 207.09 ug/L
RT: 6.466 min Scan# 918
Delta R.T. -0.006 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

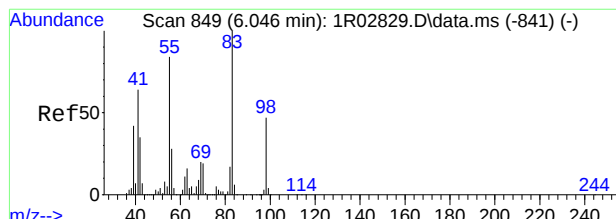
Tgt Ion	Ion	Ratio	Lower	Upper
63	63	100		
65	65	31.4	0.8	60.8
106	106	29.5	0.0	56.0



#63
methyl methacrylate
Concen: 45.99 ug/L
RT: 6.077 min Scan# 854
Delta R.T. -0.012 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

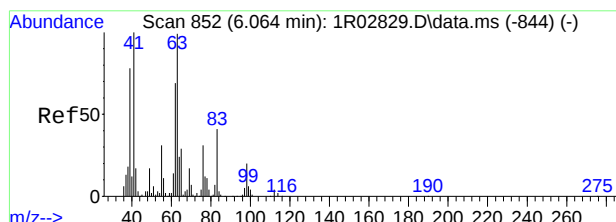
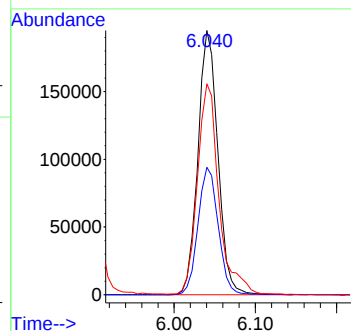
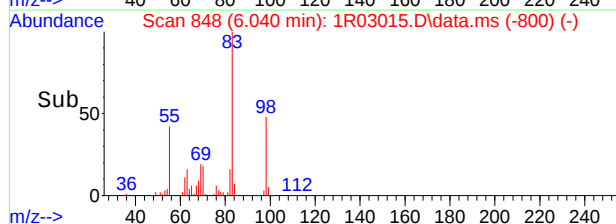
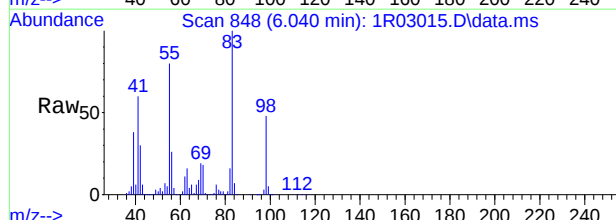
Tgt Ion	Ion	Ratio	Lower	Upper
100	100	100		
41	41	448.8	418.7	478.7
69	69	254.5	261.7	321.7#
39	39	269.0	265.0	325.0





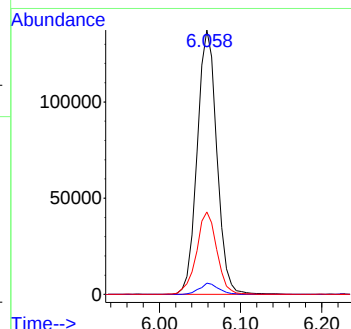
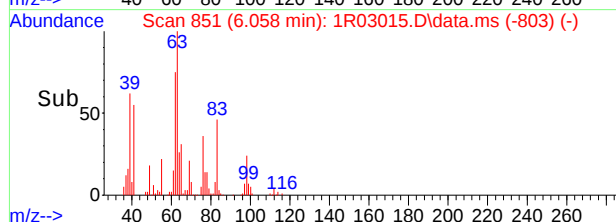
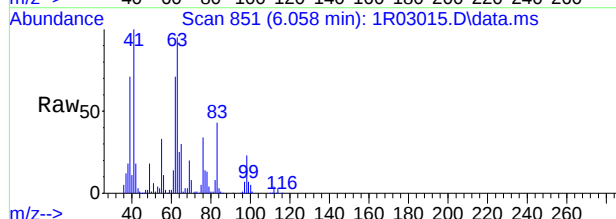
#64
methylcyclohexane
Concen: 38.99 ug/L
RT: 6.040 min Scan# 848
Delta R.T. -0.006 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

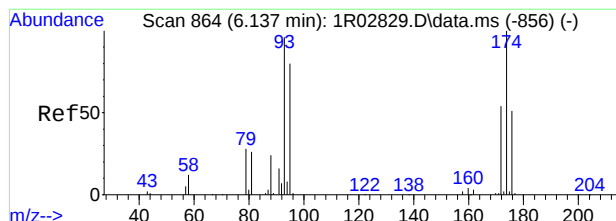
Tgt Ion: 83 Resp: 333325
Ion Ratio Lower Upper
83 100
98 48.3 27.4 67.4
55 79.6 63.7 103.7



#65
1,2-dichloropropane
Concen: 39.22 ug/L
RT: 6.058 min Scan# 851
Delta R.T. -0.006 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

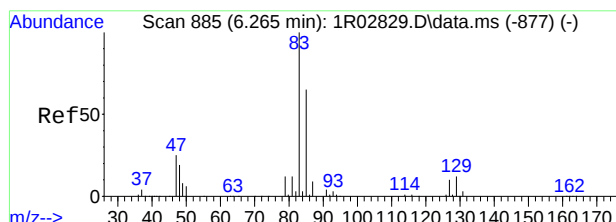
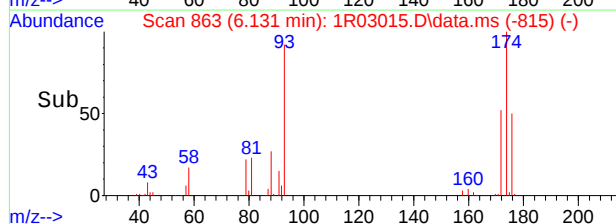
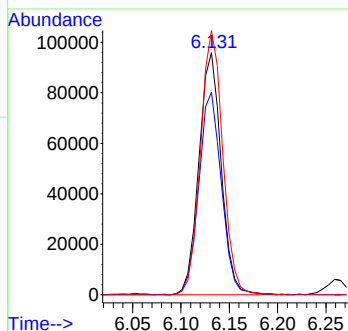
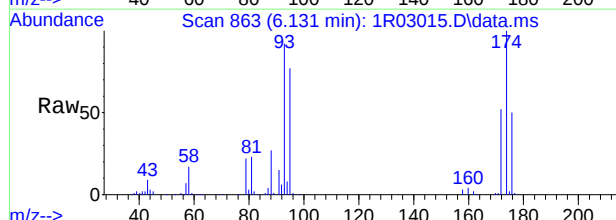
Tgt Ion: 63 Resp: 231044
Ion Ratio Lower Upper
63 100
112 4.2 0.0 33.6
65 31.2 0.0 59.5





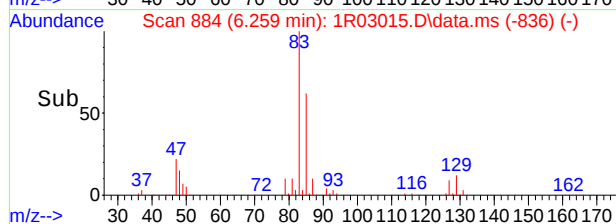
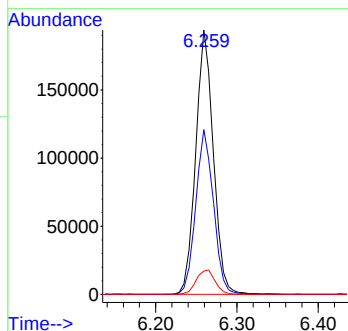
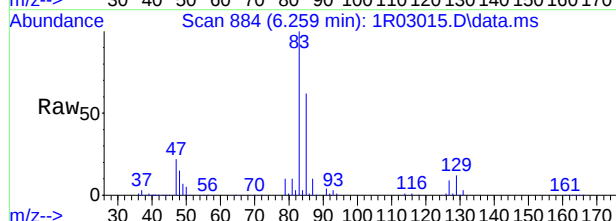
#66
dibromomethane
Concen: 42.29 ug/L
RT: 6.131 min Scan# 863
Delta R.T. -0.006 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

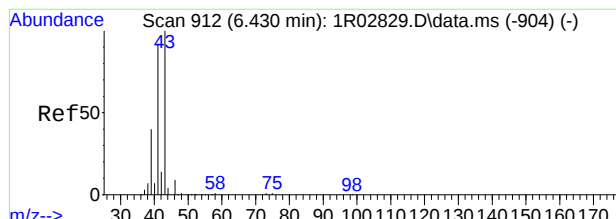
Tgt Ion	93	153	965
Ratio	100		
Lower	53.3		
Upper	113.3		



#67
bromodichloromethane
Concen: 45.13 ug/L
RT: 6.259 min Scan# 884
Delta R.T. -0.006 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

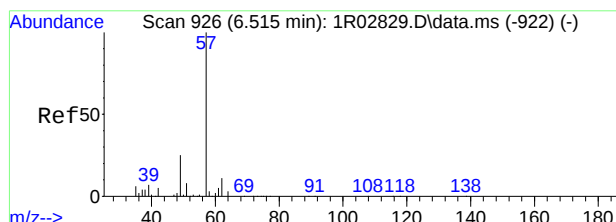
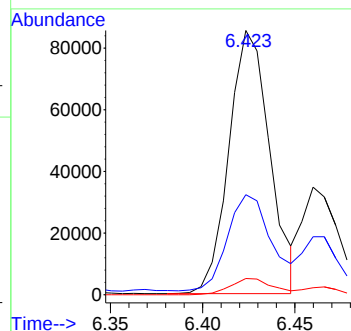
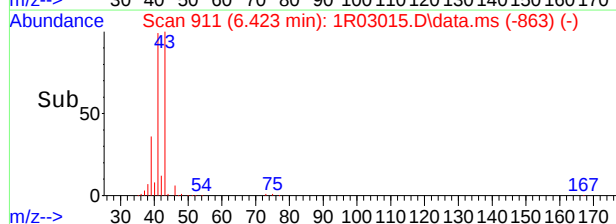
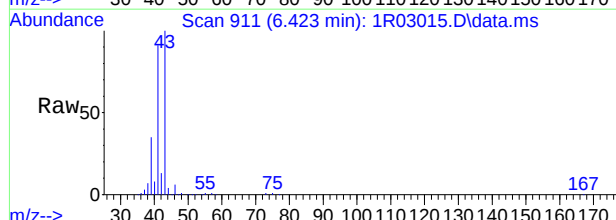
Tgt Ion	83	292	900
Ratio	100		
Lower	35.3		
Upper	95.3		





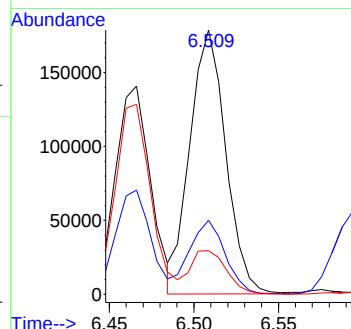
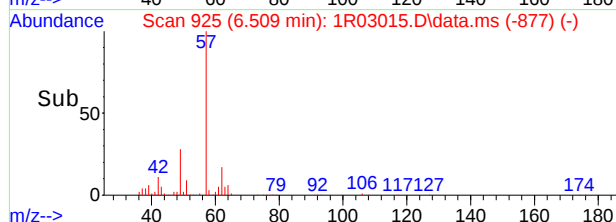
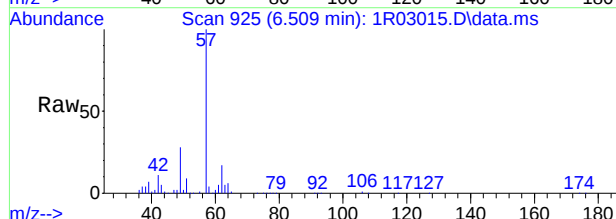
#68
2-nitropropane
Concen: 43.03 ug/L
RT: 6.423 min Scan# 911
Delta R.T. -0.007 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

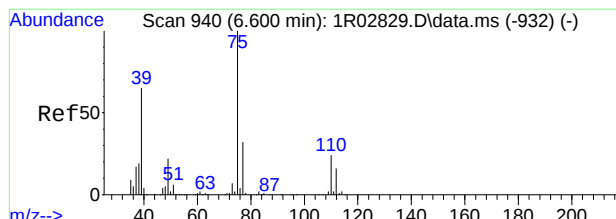
Tgt Ion:	41	Resp:	131642
Ion Ratio	Lower	Upper	
41	100		
39	36.4	12.7	72.7
46	6.2	0.0	39.3



#69
epichlorohydrin
Concen: 238.55 ug/L
RT: 6.509 min Scan# 925
Delta R.T. -0.006 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

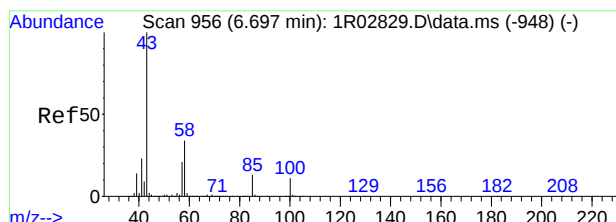
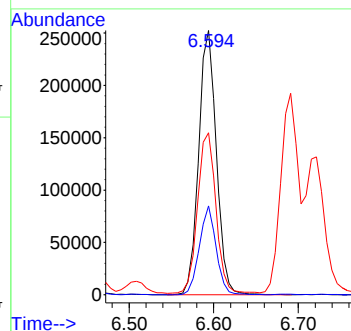
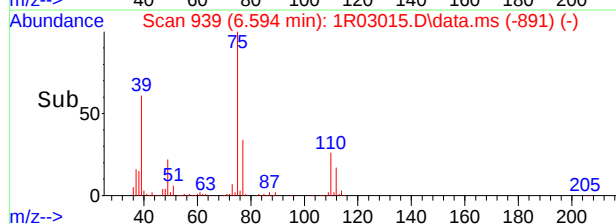
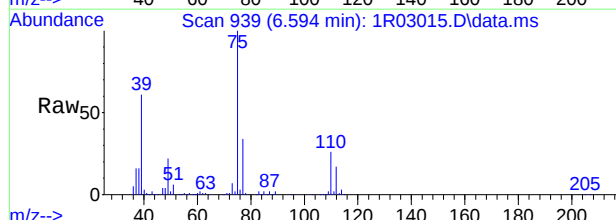
Tgt Ion:	57	Resp:	263735
Ion Ratio	Lower	Upper	
57	100		
49	28.1	0.0	58.1
62	16.6	0.0	47.9





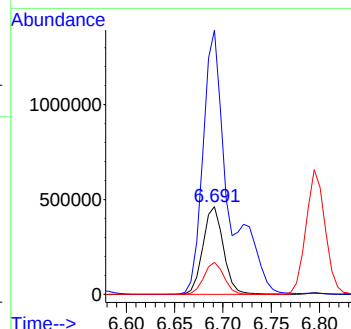
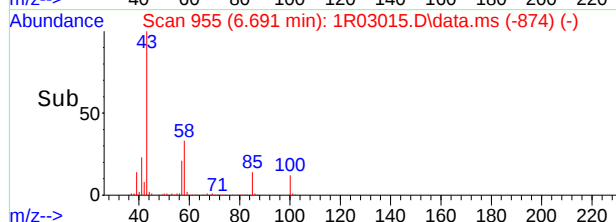
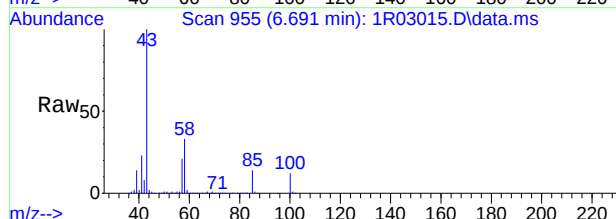
#70
cis-1,3-dichloropropene
Concen: 44.05 ug/L
RT: 6.594 min Scan# 939
Delta R.T. -0.006 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

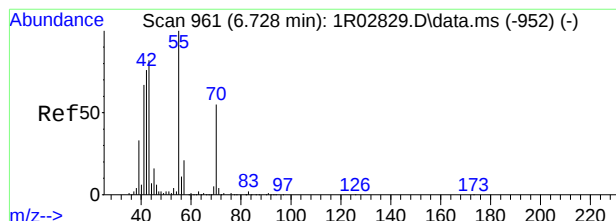
Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.6	2.1	62.1
39	60.7	34.8	94.8



#71
4-methyl-2-pentanone
Concen: 167.56 ug/L
RT: 6.691 min Scan# 955
Delta R.T. -0.006 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

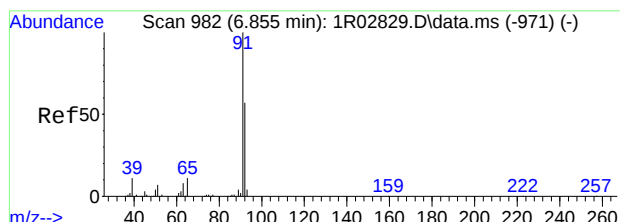
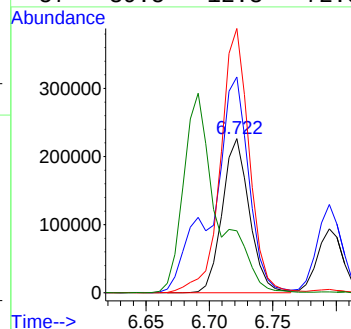
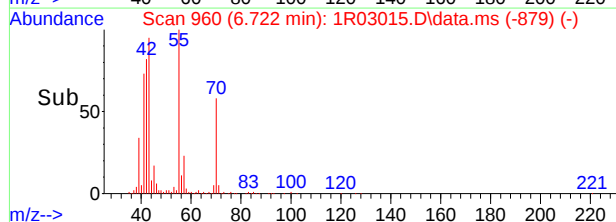
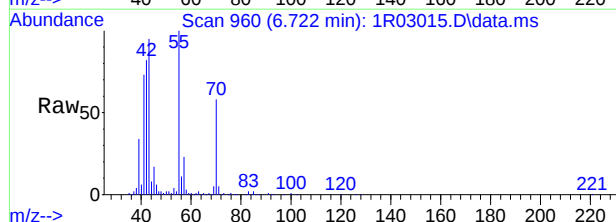
Tgt Ion	Ratio	Lower	Upper
58	100		
43	301.6	262.0	322.0
100	36.6	3.3	63.3





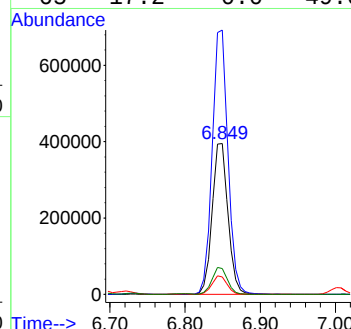
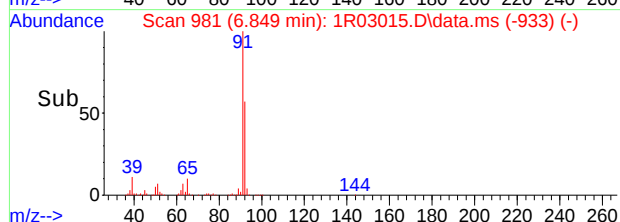
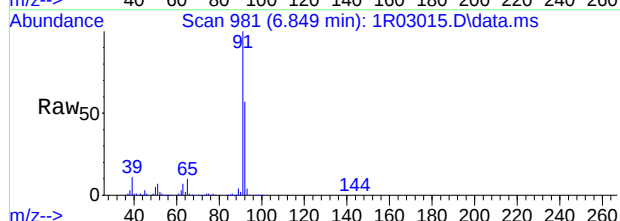
#72
isoamyl alcohol
Concen: 888.55 ug/L
RT: 6.722 min Scan# 960
Delta R.T. -0.006 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

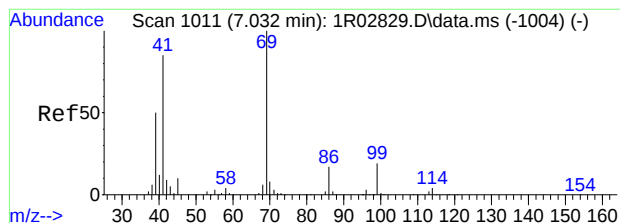
Tgt	Ion	Ratio	Lower	Upper
70	100			
42	138.3	108.4	168.4	
55	171.3	150.6	210.6	
57	39.5	12.3	72.3	



#75
toluene
Concen: 41.12 ug/L
RT: 6.849 min Scan# 981
Delta R.T. -0.006 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

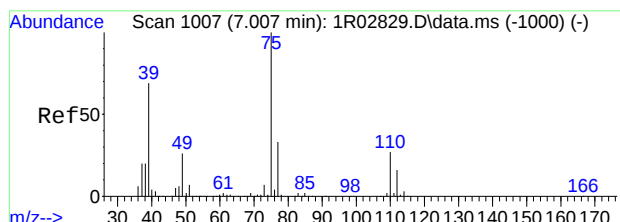
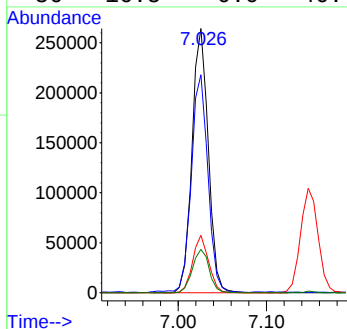
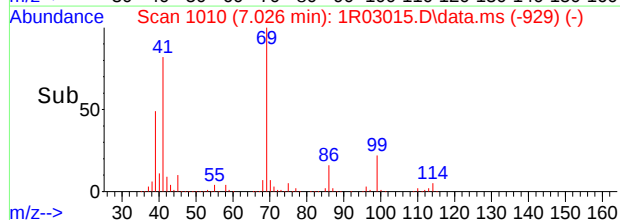
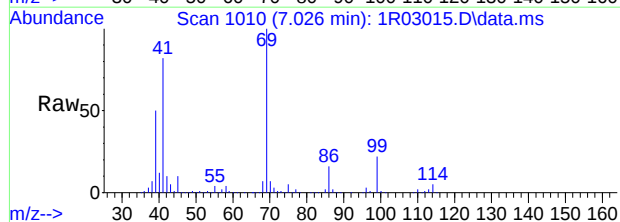
Tgt	Ion	Ratio	Lower	Upper
92	100			
91	175.4	155.7	195.7	
51	11.7	0.0	43.1	
65	17.2	0.0	49.0	





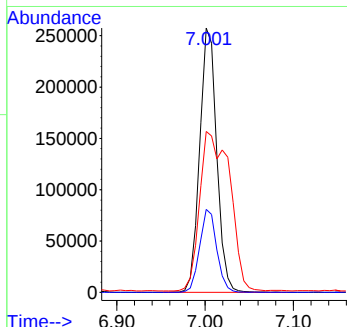
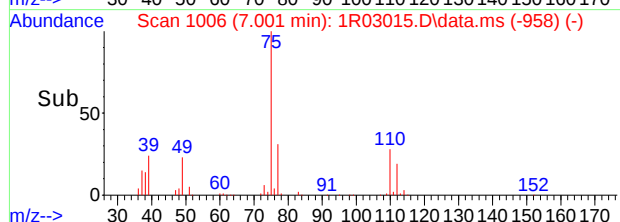
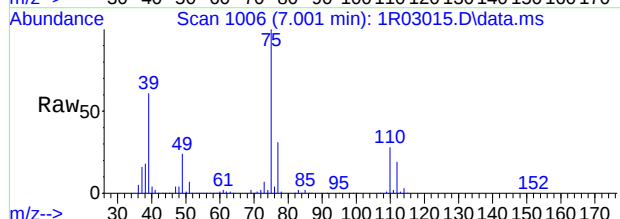
#76
ethyl methacrylate
Concen: 44.36 ug/L
RT: 7.026 min Scan# 1010
Delta R.T. -0.006 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

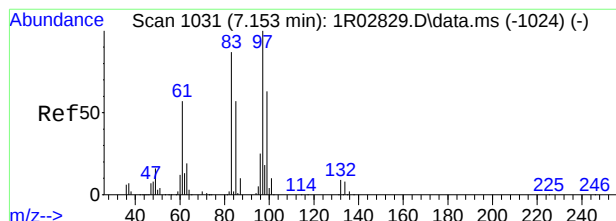
Tgt	Ion	69	Resp	340526
	Ratio	100	Lower	Upper
	69	100		
	41	82.2	65.8	105.8
	99	21.8	0.0	39.3
	86	16.5	0.0	46.7



#77
trans-1,3-dichloropropene
Concen: 46.12 ug/L
RT: 7.001 min Scan# 1006
Delta R.T. -0.006 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

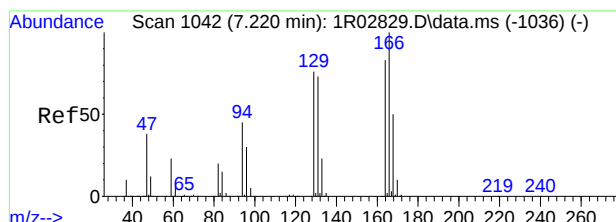
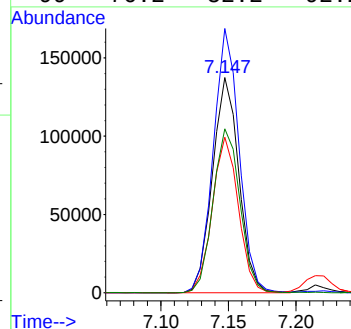
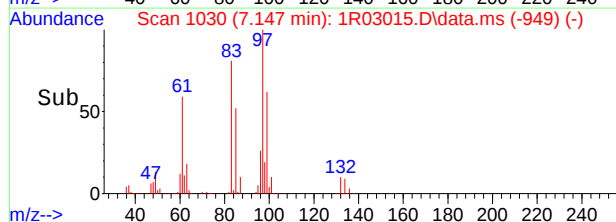
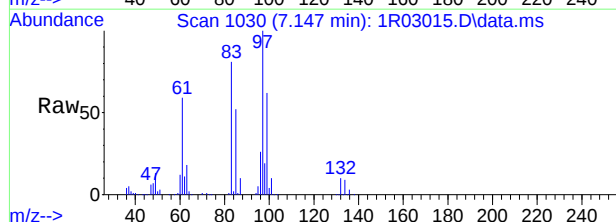
Tgt	Ion	75	Resp	347252
	Ratio	100	Lower	Upper
	75	100		
	77	31.4	12.7	52.7
	39	60.4	39.0	99.0





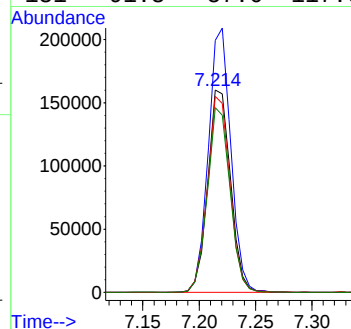
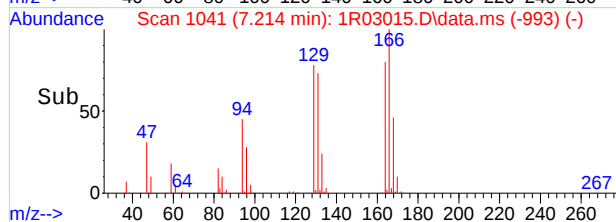
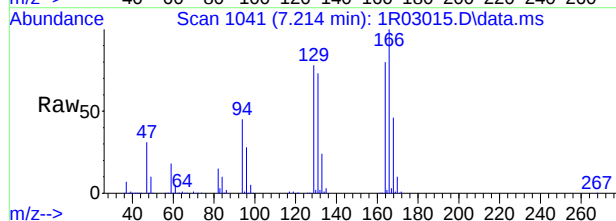
#78
1,1,2-trichloroethane
Concen: 42.57 ug/L
RT: 7.147 min Scan# 1030
Delta R.T. -0.006 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

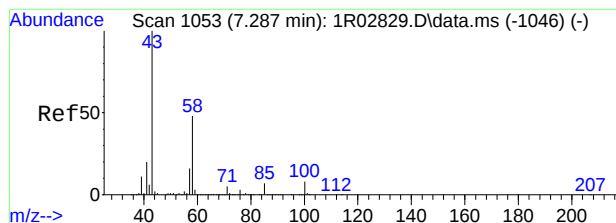
Tgt Ion:	83	Resp:	187356
Ion	Ratio	Lower	Upper
83	100		
97	122.9	95.6	135.6
61	72.4	46.3	86.3
99	76.2	52.2	92.2



#79
tetrachloroethene
Concen: 40.69 ug/L
RT: 7.214 min Scan# 1041
Delta R.T. -0.006 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

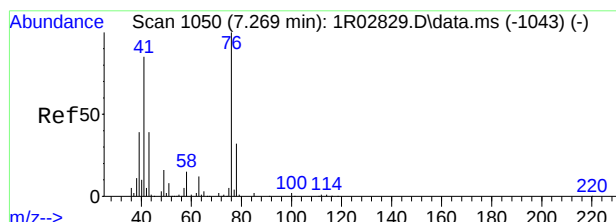
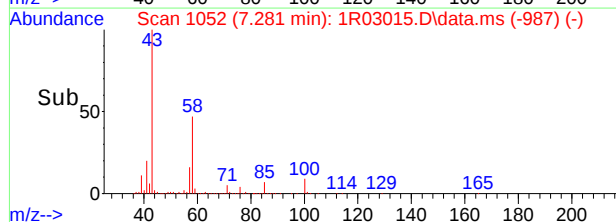
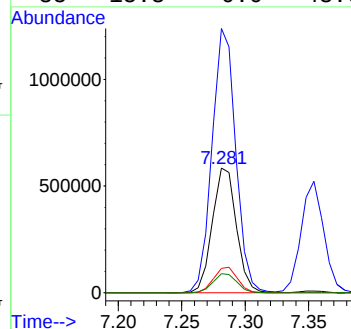
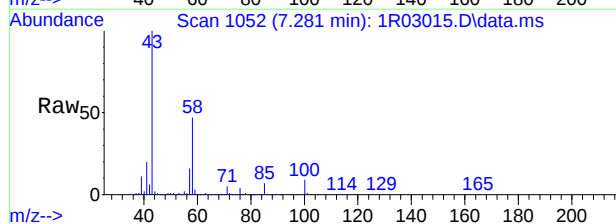
Tgt Ion:	164	Resp:	225538
Ion	Ratio	Lower	Upper
164	100		
166	124.4	90.9	150.9
129	96.8	61.6	121.6
131	91.3	57.6	117.6





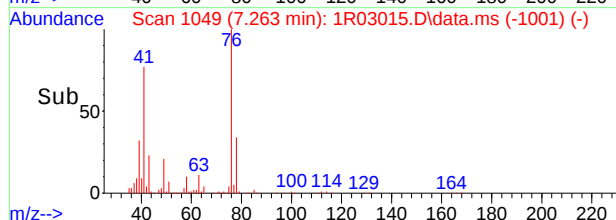
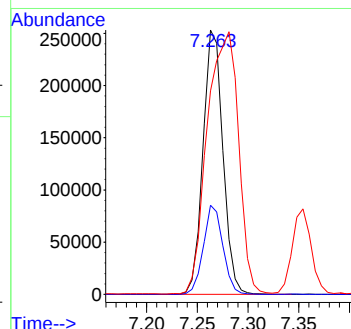
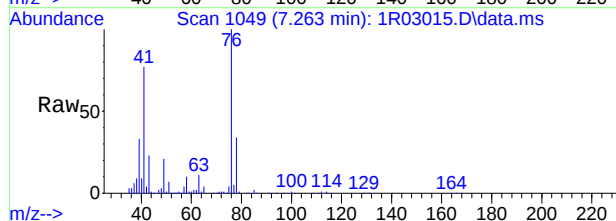
#80
2-hexanone
Concen: 173.64 ug/L
RT: 7.281 min Scan# 1052
Delta R.T. -0.006 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

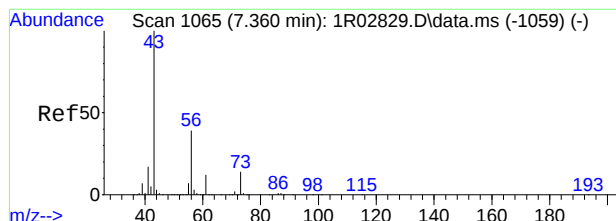
Tgt	Ion	58	Resp:	771889
	Ratio	100	Lower	Upper
	43	211.8	189.4	229.4
	100	19.6	0.0	37.4
	85	15.3	0.0	43.6



#81
1,3-dichloropropane
Concen: 43.97 ug/L
RT: 7.263 min Scan# 1049
Delta R.T. -0.006 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

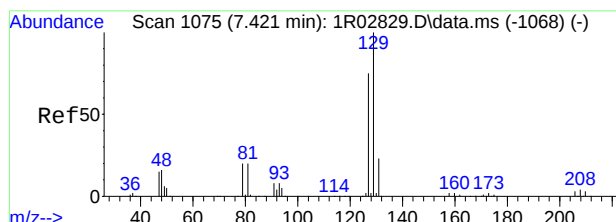
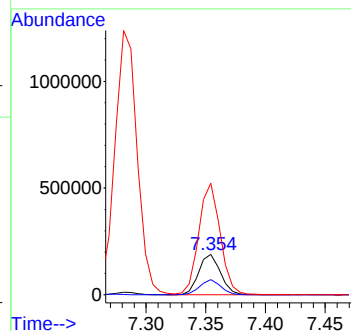
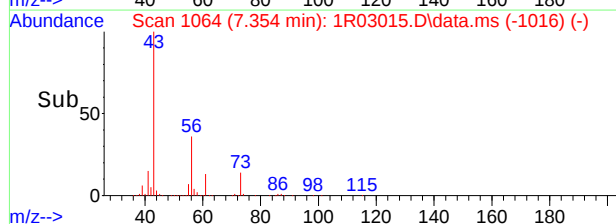
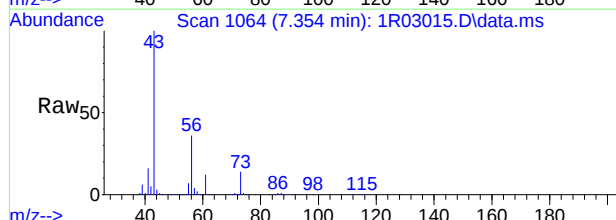
Tgt	Ion	76	Resp:	345649
	Ratio	100	Lower	Upper
	78	33.8	2.0	62.0
	41	76.8	55.0	115.0





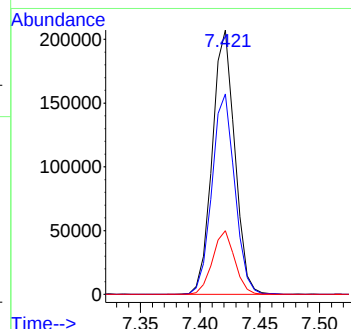
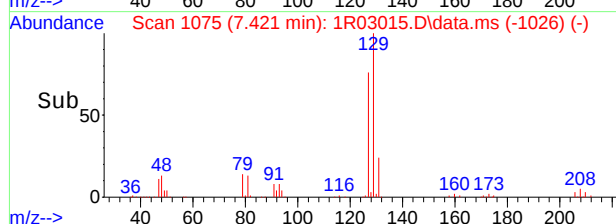
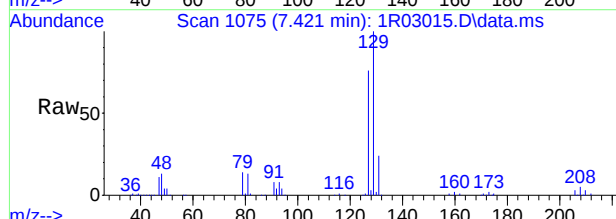
#82
butyl acetate
Concen: 41.22 ug/L
RT: 7.354 min Scan# 1064
Delta R.T. -0.006 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

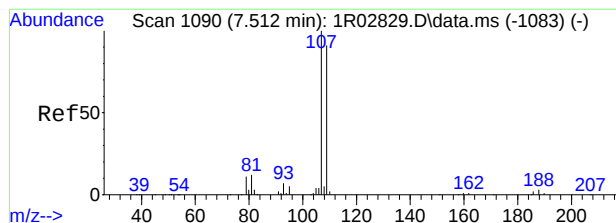
Tgt Ion: 56 Resp: 240041
Ion Ratio Lower Upper
56 100
73 37.7 5.7 65.7
43 275.7 231.6 291.6



#83
dibromochloromethane
Concen: 48.83 ug/L
RT: 7.421 min Scan# 1075
Delta R.T. 0.000 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

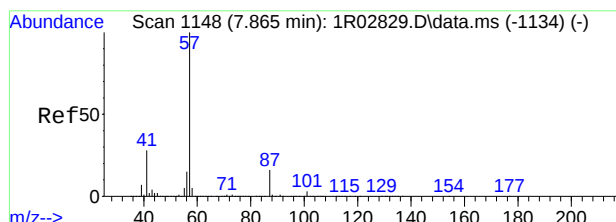
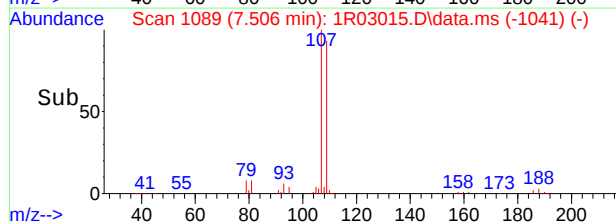
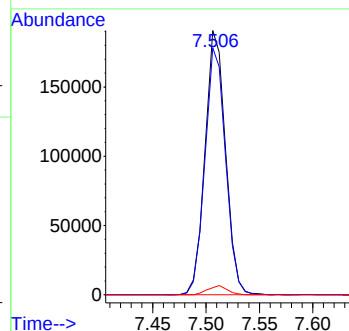
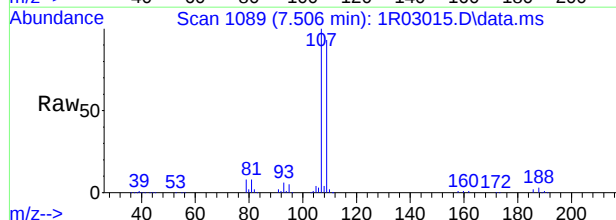
Tgt Ion: 129 Resp: 270670
Ion Ratio Lower Upper
129 100
127 75.7 44.7 104.7
131 24.1 0.0 52.7





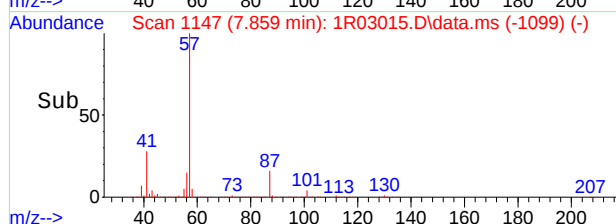
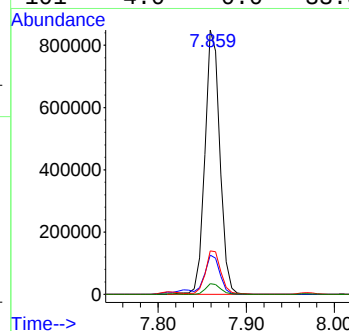
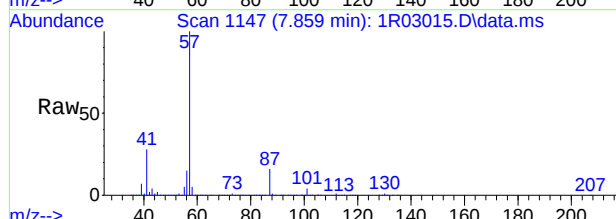
#84
1,2-dibromoethane
Concen: 48.48 ug/L
RT: 7.506 min Scan# 1089
Delta R.T. -0.006 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

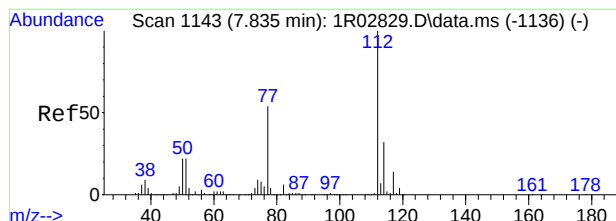
Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.4	60.9	120.9
188	2.6	0.0	33.1



#85
n-butyl ether
Concen: 40.20 ug/L
RT: 7.859 min Scan# 1147
Delta R.T. -0.006 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

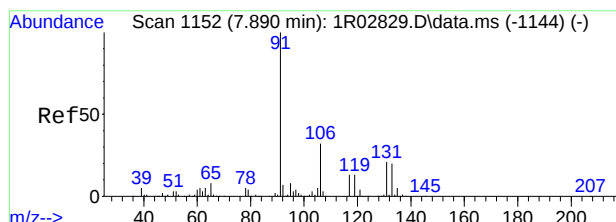
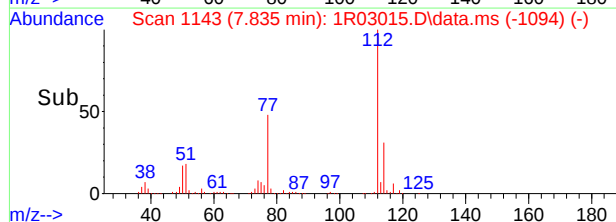
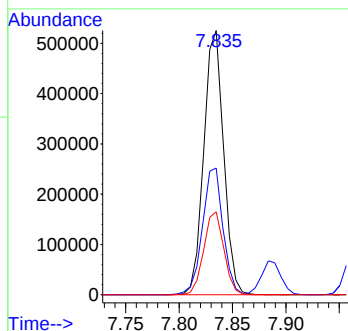
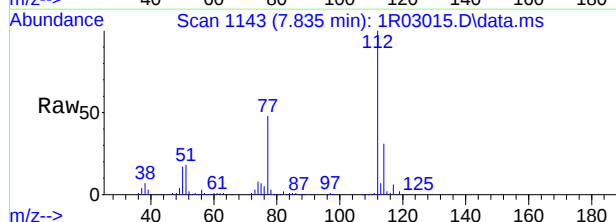
Tgt Ion	Ratio	Lower	Upper
57	100		
56	14.9	0.0	34.6
87	16.4	0.0	46.2
101	4.0	0.0	33.3





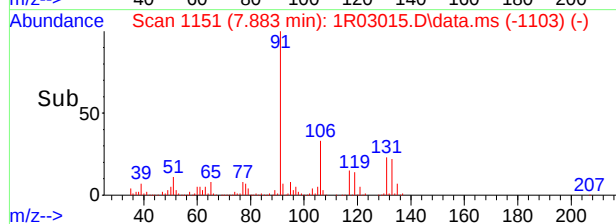
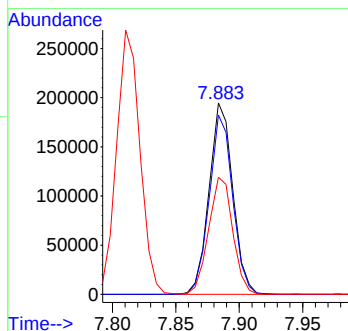
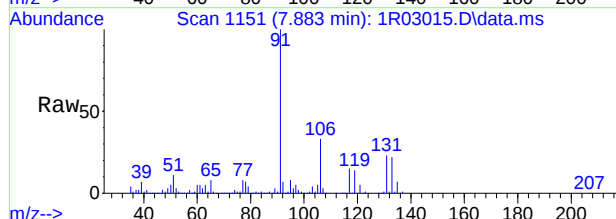
#86
chlorobenzene
Concen: 43.75 ug/L
RT: 7.835 min Scan# 1143
Delta R.T. -0.000 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

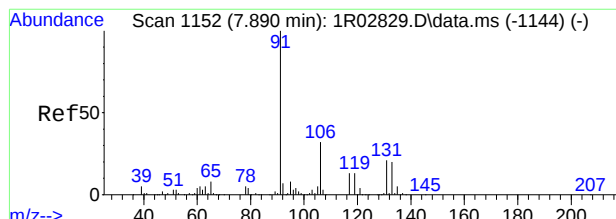
Tgt Ion: 112 Resp: 680818
Ion Ratio Lower Upper
112 100
77 47.9 23.5 83.5
114 31.4 1.8 61.8



#87
1,1,1,2-tetrachloroethane
Concen: 45.87 ug/L
RT: 7.883 min Scan# 1151
Delta R.T. -0.007 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

Tgt Ion: 131 Resp: 252330
Ion Ratio Lower Upper
131 100
133 93.6 65.6 125.6
119 61.1 35.8 95.8

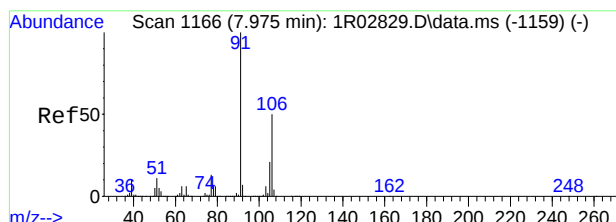
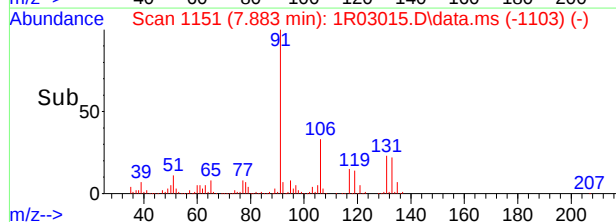
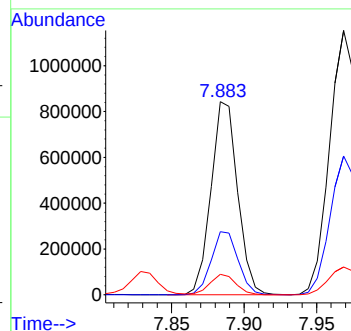
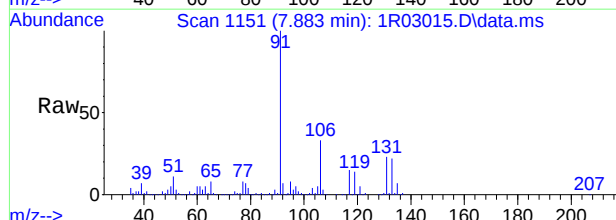




#88
ethylbenzene
Concen: 41.80 ug/L
RT: 7.883 min Scan# 1151
Delta R.T. -0.007 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

Tgt Ion: 91 Resp: 1080915

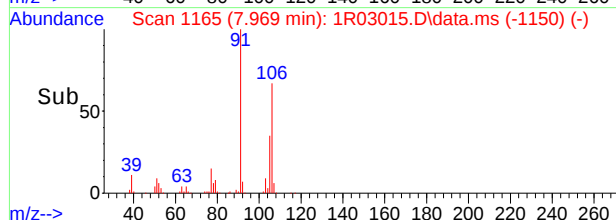
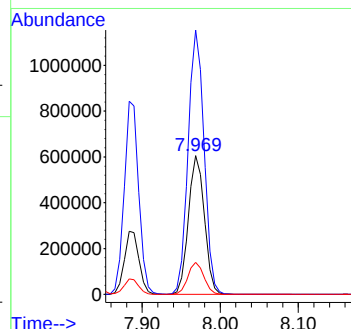
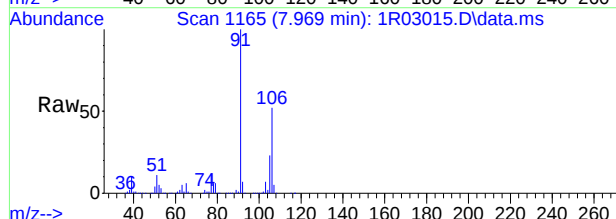
Ion	Ratio	Lower	Upper
91	100		
106	32.6	2.1	62.1
51	10.7	0.0	41.5

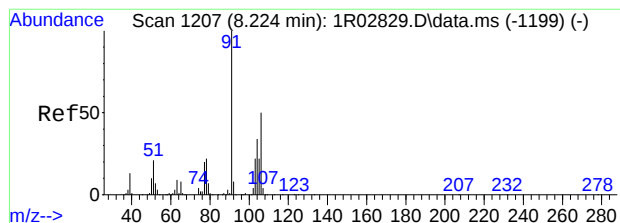


#89
m,p-xylene
Concen: 86.29 ug/L
RT: 7.969 min Scan# 1165
Delta R.T. -0.006 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

Tgt Ion: 106 Resp: 866206

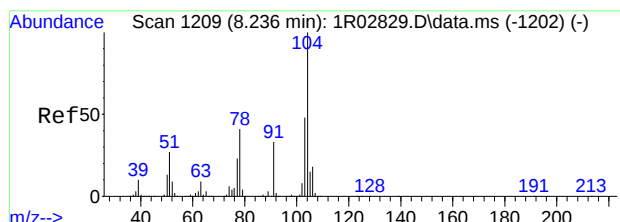
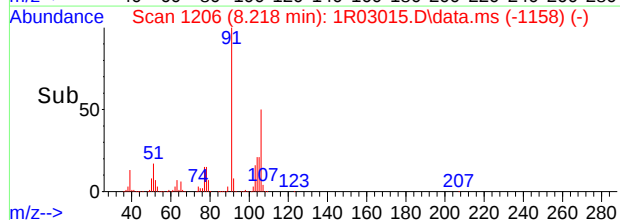
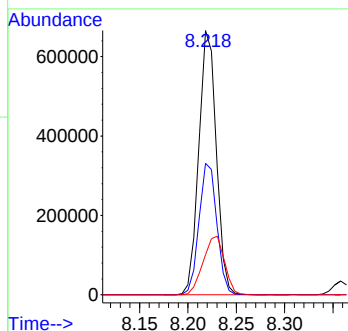
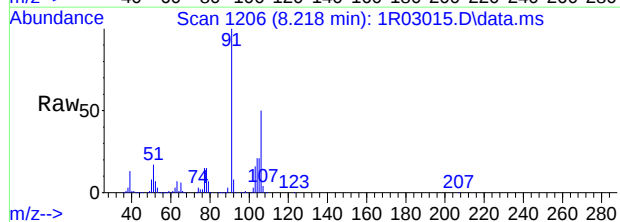
Ion	Ratio	Lower	Upper
106	100		
91	190.5	168.6	228.6
77	23.1	0.0	55.1





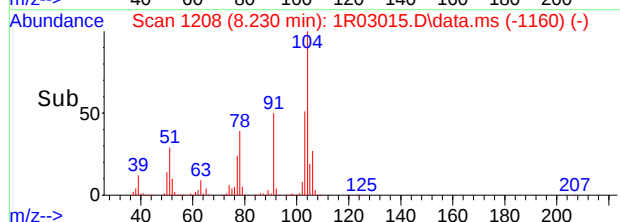
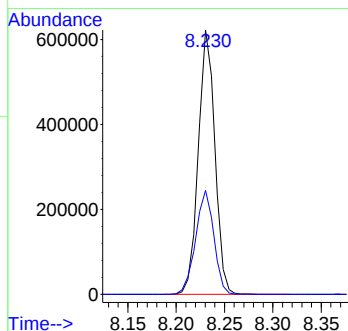
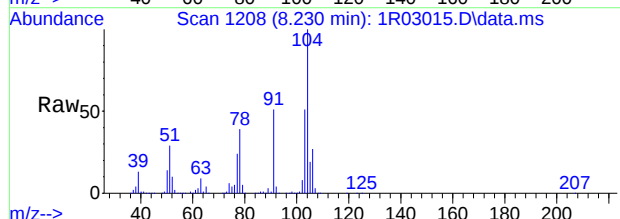
#90
o-xylene
Concen: 42.07 ug/L
RT: 8.218 min Scan# 1206
Delta R.T. -0.006 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

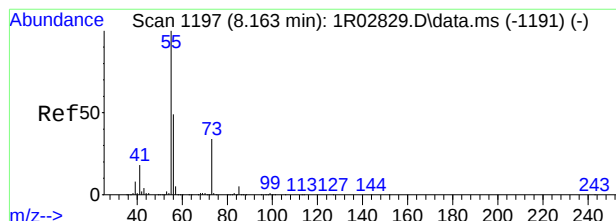
Tgt Ion:	91	Resp:	839250
Ion	Ratio	Lower	Upper
91	100		
106	49.7	20.2	80.2
77	15.2	0.0	50.1



#91
styrene
Concen: 44.40 ug/L
RT: 8.230 min Scan# 1208
Delta R.T. -0.006 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

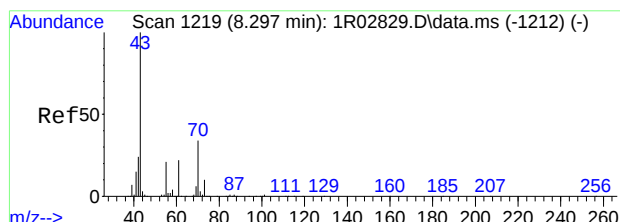
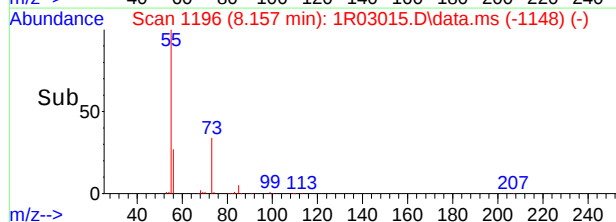
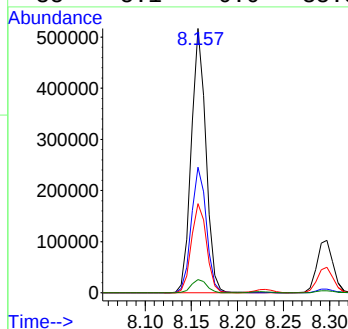
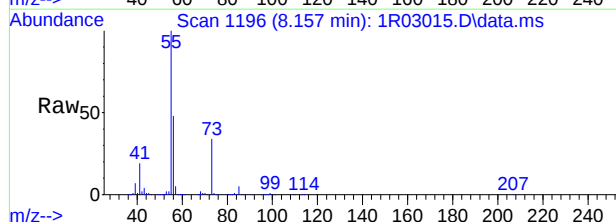
Tgt Ion:	104	Resp:	743473
Ion	Ratio	Lower	Upper
104	100		
78	39.3	11.4	71.4





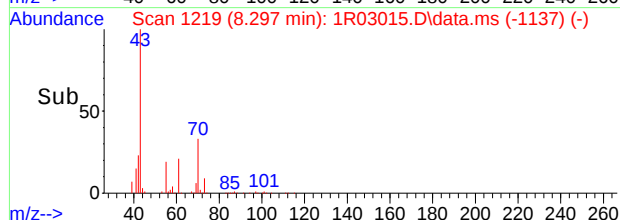
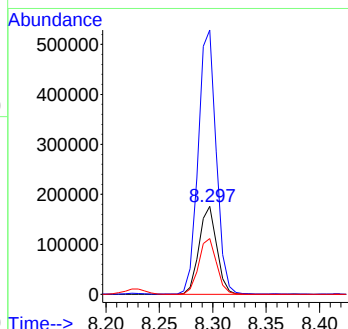
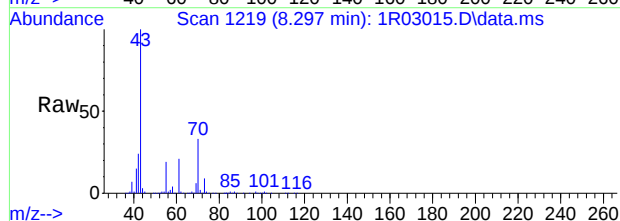
#92
butyl acrylate
Concen: 43.69 ug/L
RT: 8.157 min Scan# 1196
Delta R.T. -0.006 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

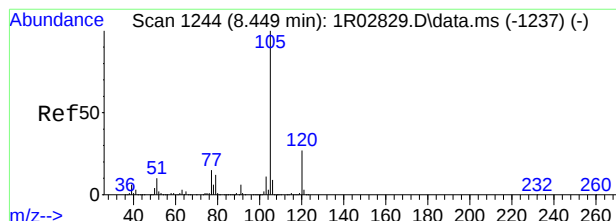
Tgt	Ion	55	Resp	571326
	Ratio	100	Lower	Upper
	56	47.5	29.3	69.3
	73	33.7	14.0	54.0
	85	5.1	0.0	35.5



#93
n-amy1 acetate
Concen: 40.83 ug/L
RT: 8.297 min Scan# 1219
Delta R.T. 0.000 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

Tgt	Ion	70	Resp	204443
	Ratio	100	Lower	Upper
	43	299.5	265.3	325.3
	61	63.3	35.5	95.5

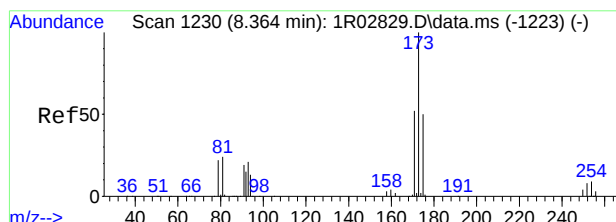
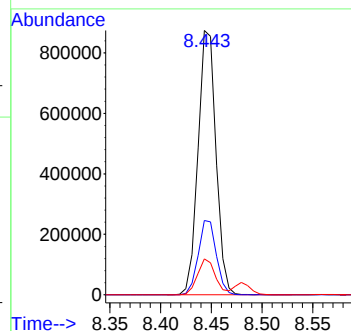
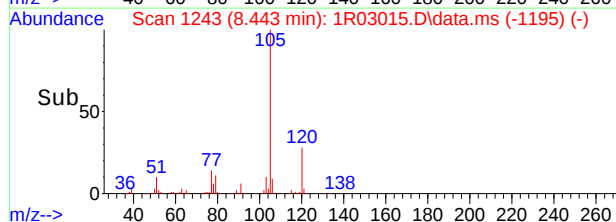
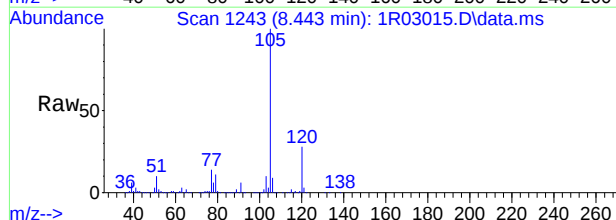




#94
isopropylbenzene
Concen: 45.96 ug/L
RT: 8.443 min Scan# 1243
Delta R.T. -0.006 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

Tgt Ion:105 Resp: 1075960

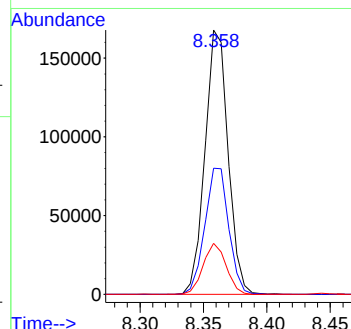
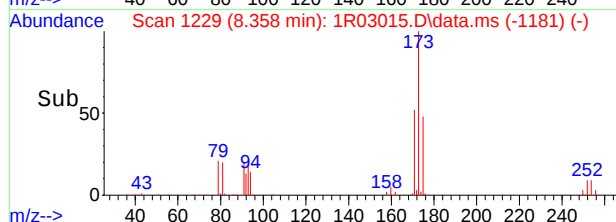
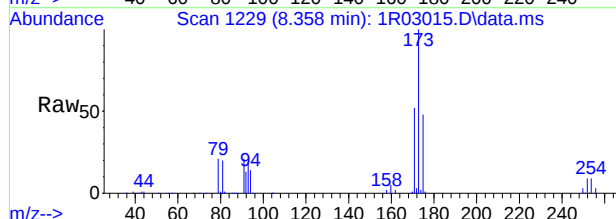
Ion	Ratio	Lower	Upper
105	100		
120	28.1	7.3	47.3
77	13.6	0.0	34.6

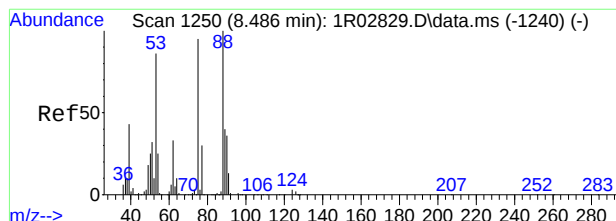


#95
bromoform
Concen: 48.24 ug/L
RT: 8.358 min Scan# 1229
Delta R.T. -0.006 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

Tgt Ion:173 Resp: 212540

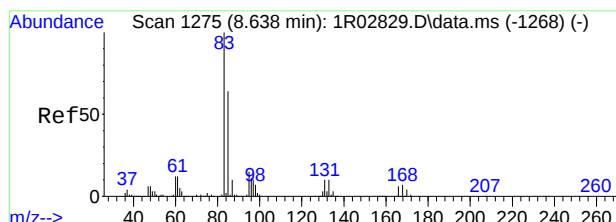
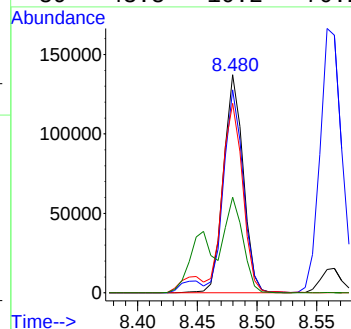
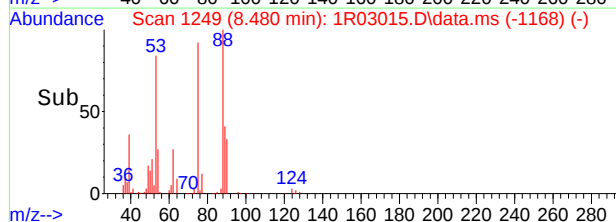
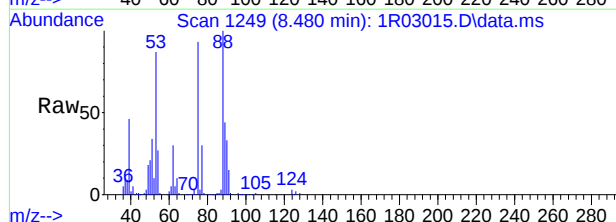
Ion	Ratio	Lower	Upper
173	100		
175	47.7	20.2	80.2
93	19.3	0.0	50.5





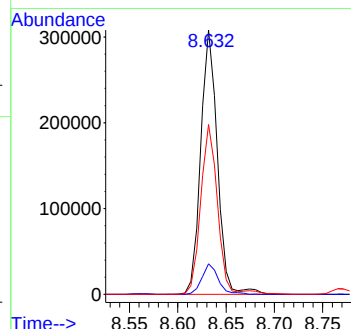
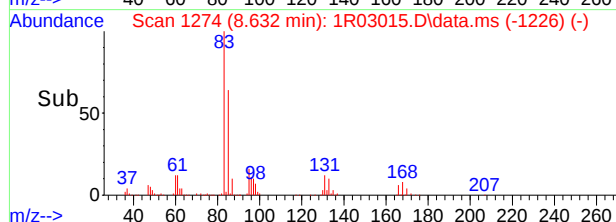
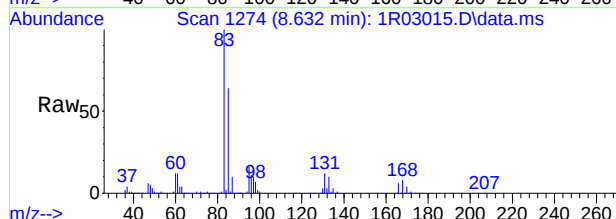
#96
 cis-1,4-dichloro-2-butene
 Concen: 48.18 ug/L
 RT: 8.480 min Scan# 1249
 Delta R.T. -0.006 min
 Lab File: 1R03015.D
 Acq: 4 Apr 2023 10:34 am

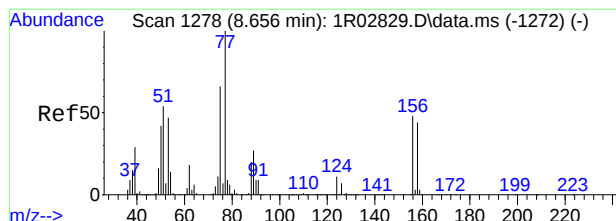
Tgt Ion:	88	Resp:	158082
Ion Ratio	Lower	Upper	
88	100		
75	93.0	74.9	114.9
53	86.7	66.4	106.4
89	43.8	10.2	70.2



#99
 1,1,2,2-tetrachloroethane
 Concen: 43.01 ug/L
 RT: 8.632 min Scan# 1274
 Delta R.T. -0.006 min
 Lab File: 1R03015.D
 Acq: 4 Apr 2023 10:34 am

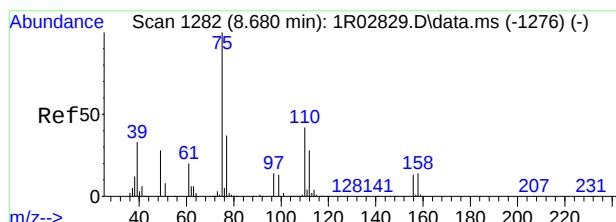
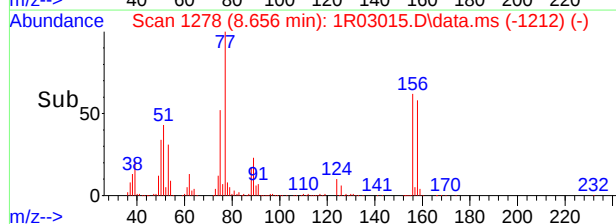
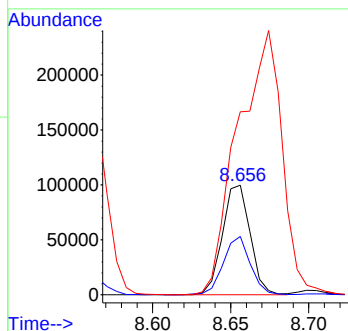
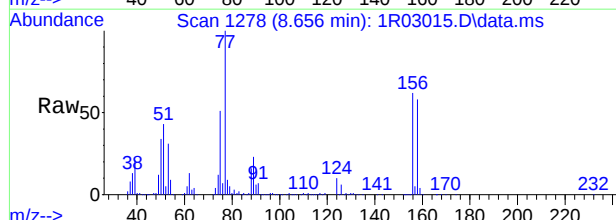
Tgt Ion:	83	Resp:	369188
Ion Ratio	Lower	Upper	
83	100		
131	11.5	0.0	40.3
85	64.3	34.2	94.2





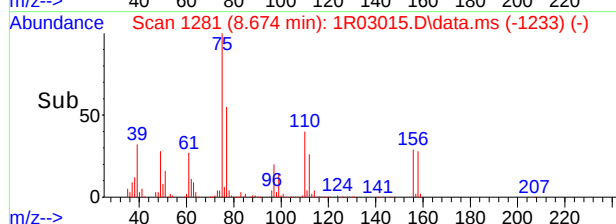
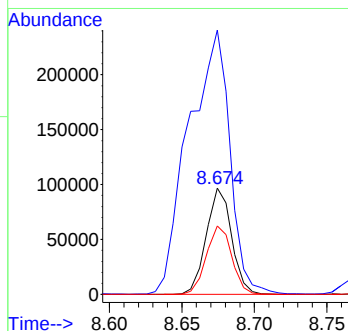
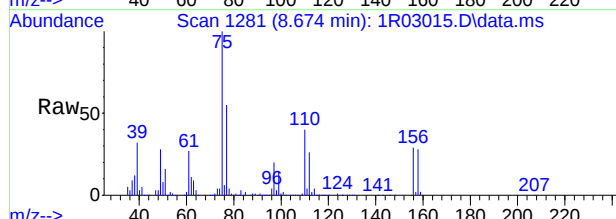
#100
trans-1,4-dichloro-2-butene
Concen: 42.67 ug/L
RT: 8.656 min Scan# 1278
Delta R.T. 0.000 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

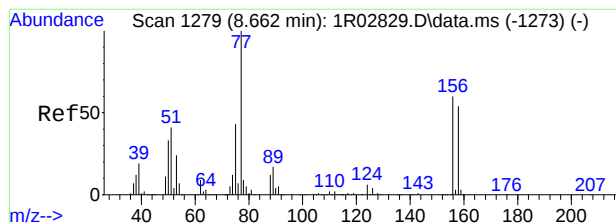
Tgt Ion: 53 Resp: 123155
Ion Ratio Lower Upper
53 100
88 53.3 12.5 72.5
75 166.6 108.7 168.7



#101
1,2,3-trichloropropane
Concen: 46.36 ug/L
RT: 8.674 min Scan# 1281
Delta R.T. -0.006 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

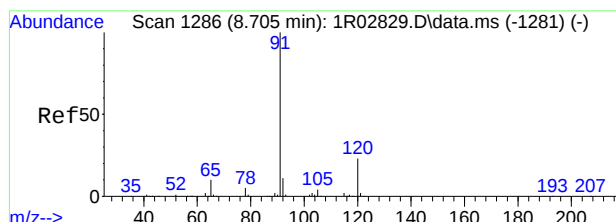
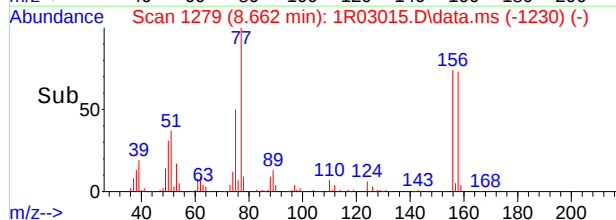
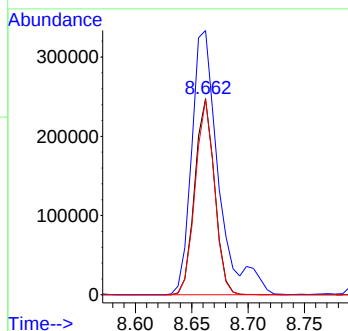
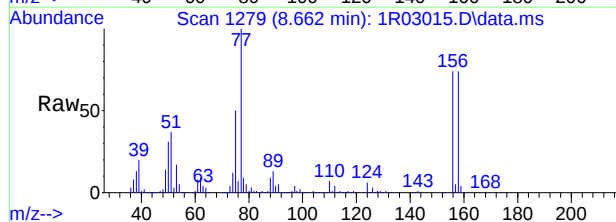
Tgt Ion: 110 Resp: 117956
Ion Ratio Lower Upper
110 100
75 248.3 240.9 300.9
112 64.5 36.2 96.2





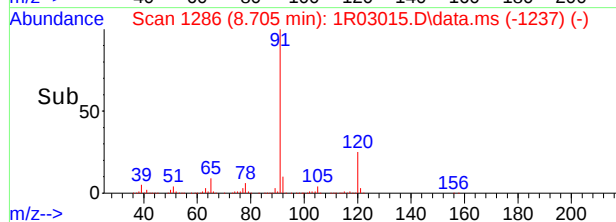
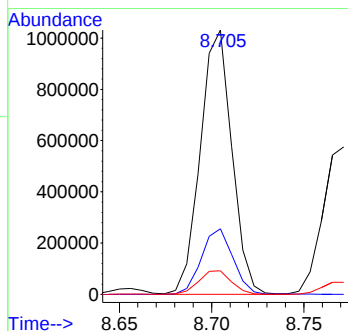
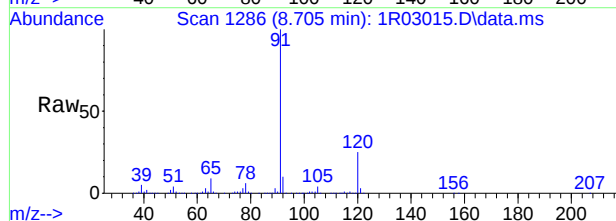
#102
bromobenzene
Concen: 44.75 ug/L
RT: 8.662 min Scan# 1279
Delta R.T. 0.000 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

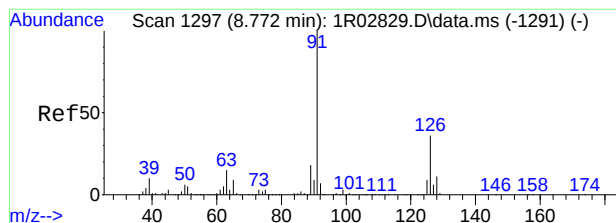
Tgt Ion	Ion	Ratio	Lower	Upper
156	156	100		
77	77	134.6	135.5	195.5#
158	158	99.6	59.6	119.6



#103
n-propylbenzene
Concen: 42.09 ug/L
RT: 8.705 min Scan# 1286
Delta R.T. -0.000 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

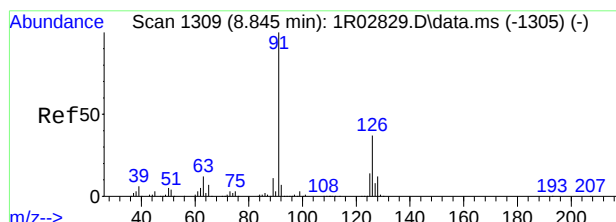
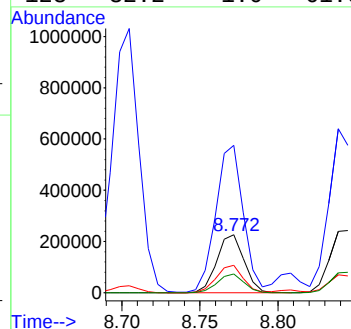
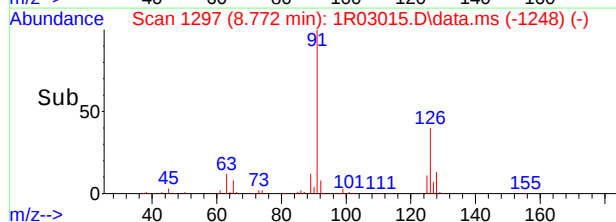
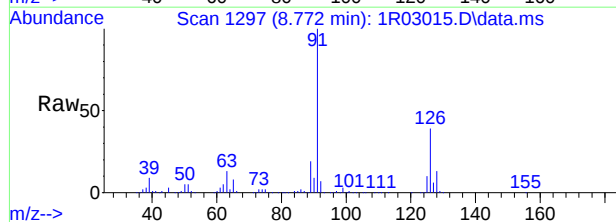
Tgt Ion	Ion	Ratio	Lower	Upper
91	91	100		
120	120	24.9	0.0	53.4
65	65	8.9	0.0	39.9





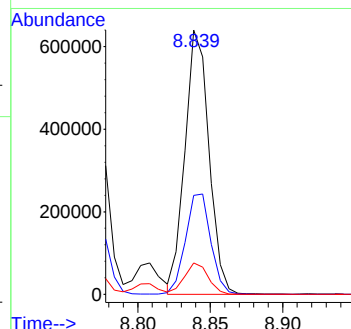
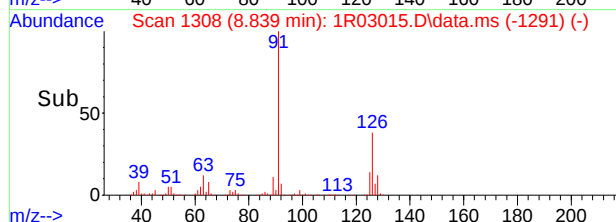
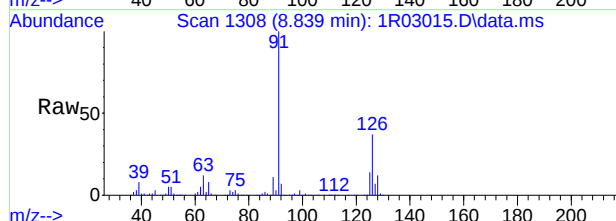
#104
2-chlorotoluene
Concen: 45.56 ug/L
RT: 8.772 min Scan# 1297
Delta R.T. -0.000 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

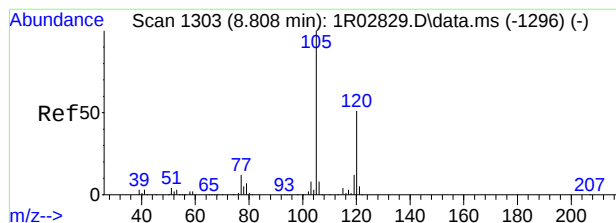
Tgt Ion:	126	Resp:	275114
Ion Ratio	Lower	Upper	
126	100		
91	250.7	245.8	305.8
89	47.3	20.3	80.3
128	32.2	1.0	61.0



#105
4-chlorotoluene
Concen: 41.17 ug/L
RT: 8.839 min Scan# 1308
Delta R.T. -0.006 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

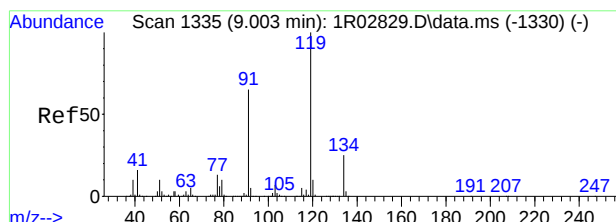
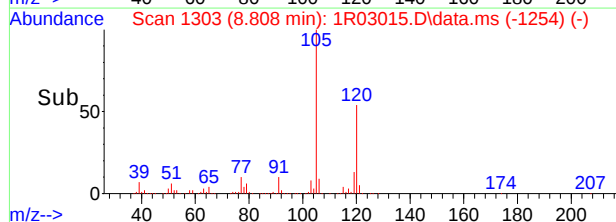
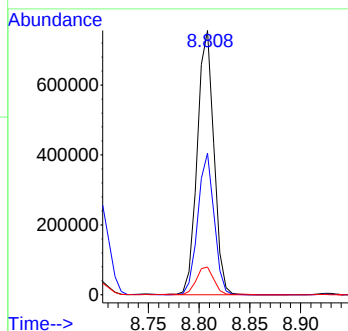
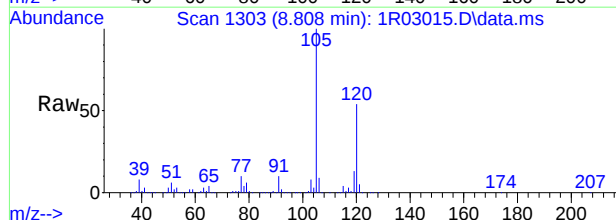
Tgt Ion:	91	Resp:	738410
Ion Ratio	Lower	Upper	
91	100		
126	37.4	6.1	66.1
63	11.9	0.0	42.9





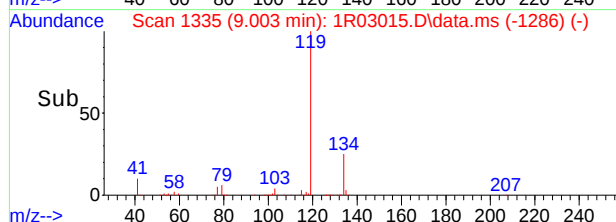
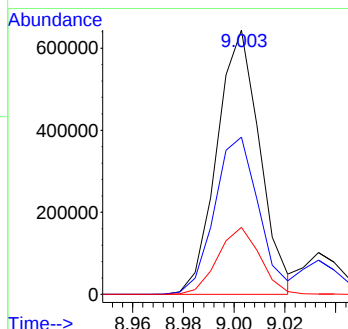
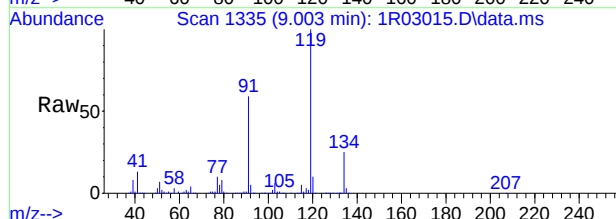
#106
1,3,5-trimethylbenzene
Concen: 42.95 ug/L
RT: 8.808 min Scan# 1303
Delta R.T. 0.000 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

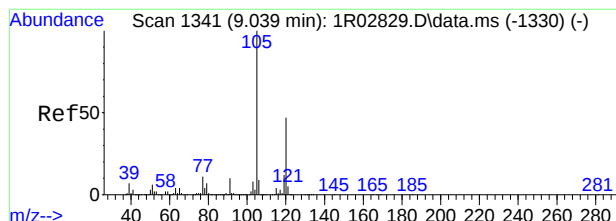
Tgt Ion	Ratio	Lower	Upper
105	100		
120	53.6	21.2	81.2
77	10.5	0.0	42.1



#107
tert-butylbenzene
Concen: 43.18 ug/L
RT: 9.003 min Scan# 1335
Delta R.T. -0.000 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

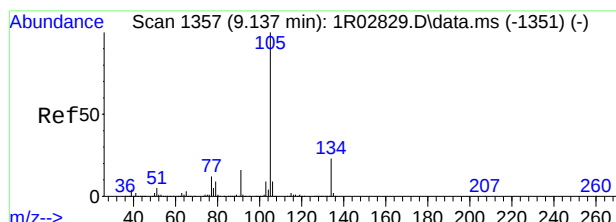
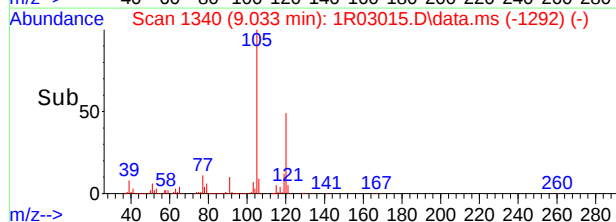
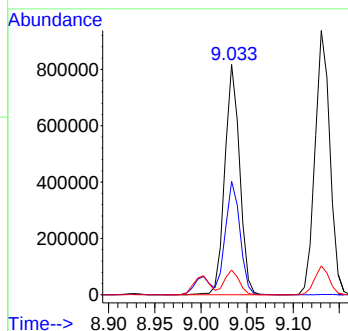
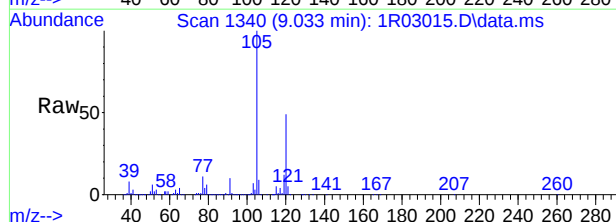
Tgt Ion	Ratio	Lower	Upper
119	100		
91	59.3	35.1	95.1
134	25.3	0.0	55.0





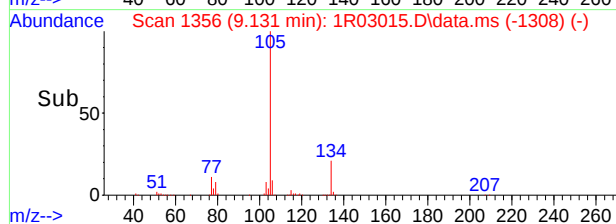
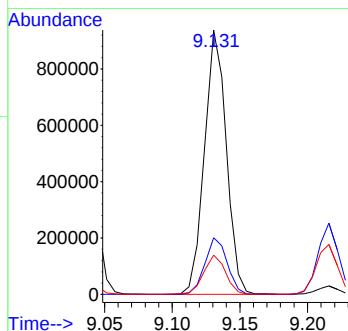
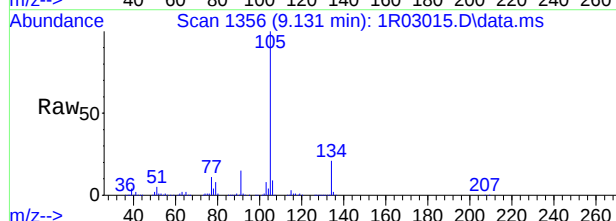
#108
1,2,4-trimethylbenzene
Concen: 44.84 ug/L
RT: 9.033 min Scan# 1340
Delta R.T. -0.006 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

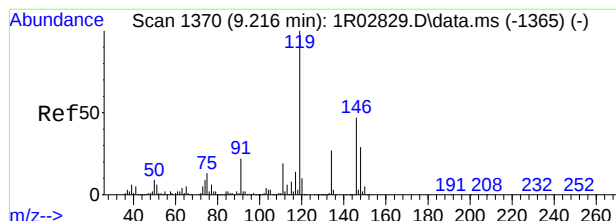
Tgt	Ion:105	Resp:	917157
Ion	Ratio	Lower	Upper
105	100		
120	49.3	17.3	77.3
77	10.7	0.0	40.8



#109
sec-butylbenzene
Concen: 44.14 ug/L
RT: 9.131 min Scan# 1356
Delta R.T. -0.006 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

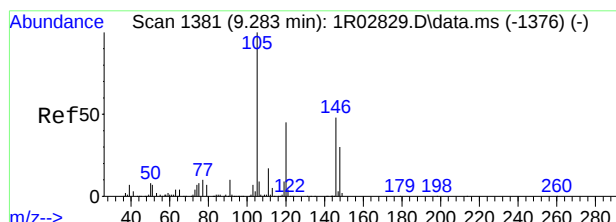
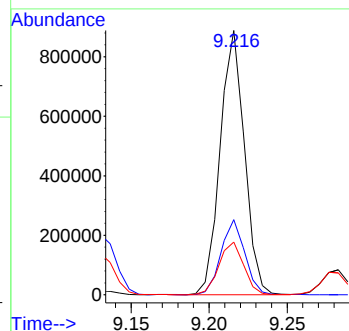
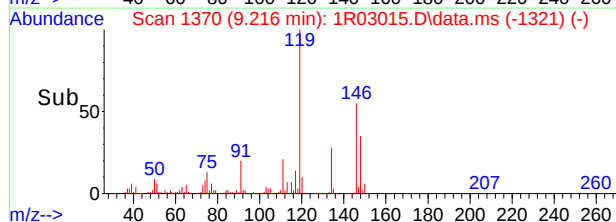
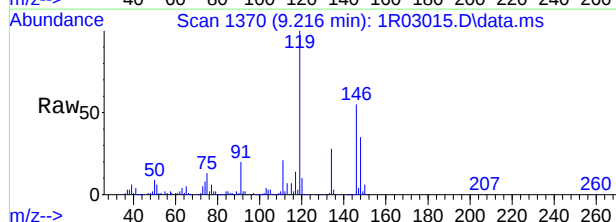
Tgt	Ion:105	Resp:	1055167
Ion	Ratio	Lower	Upper
105	100		
134	21.4	0.0	52.8
91	14.8	0.0	45.8





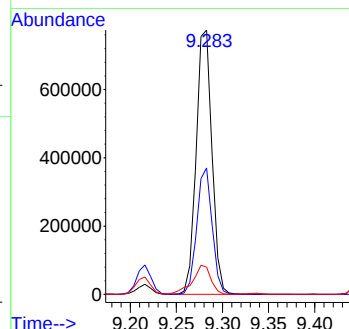
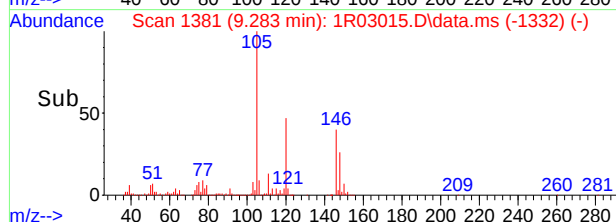
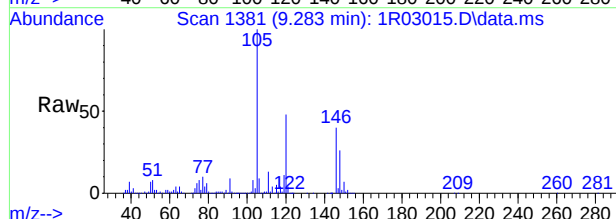
#110
p-isopropyltoluene
Concen: 43.80 ug/L
RT: 9.216 min Scan# 1370
Delta R.T. -0.000 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

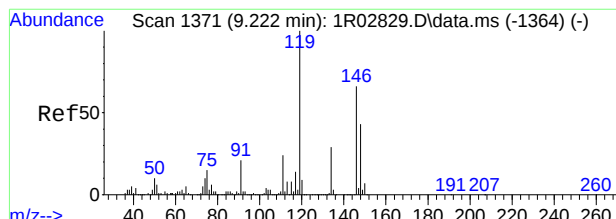
Tgt Ion	Ratio	Lower	Upper
119	100		
134	28.4	0.0	57.1
91	19.9	0.0	52.0



#111
1,2,3-trimethylbenzene
Concen: 42.31 ug/L
RT: 9.283 min Scan# 1381
Delta R.T. -0.000 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

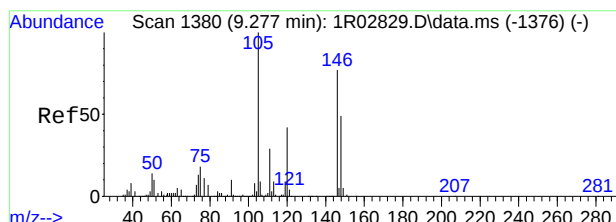
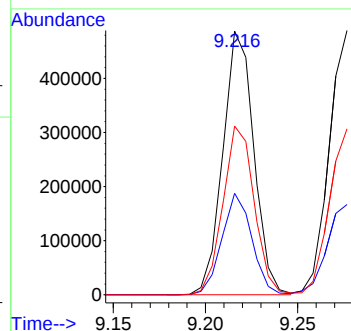
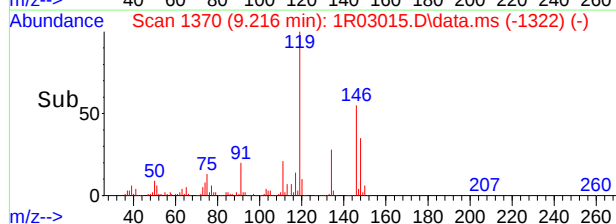
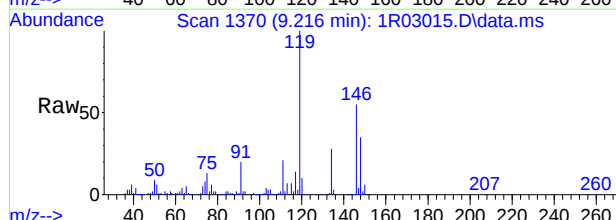
Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.8	14.6	74.6
77	10.3	0.0	41.2





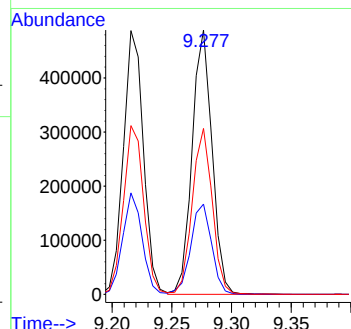
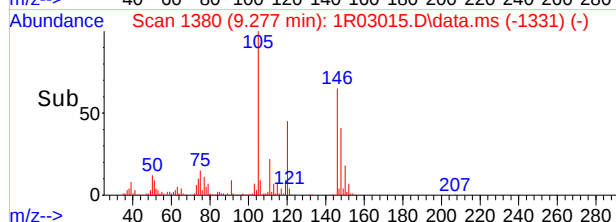
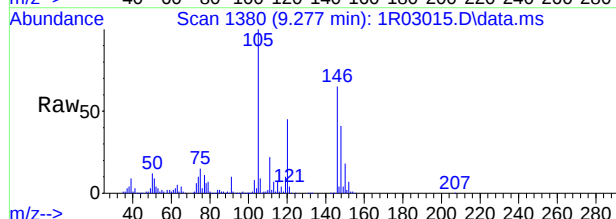
#112
1,3-dichlorobenzene
Concen: 43.88 ug/L
RT: 9.216 min Scan# 1370
Delta R.T. -0.006 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

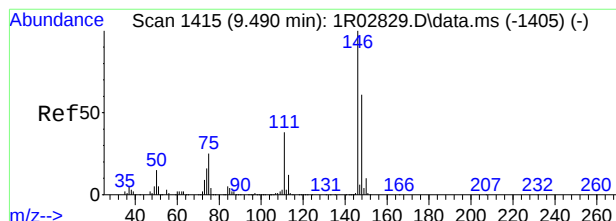
Tgt	Ion	Ratio	Lower	Upper
146	100			
111	38.5	6.4	66.4	
148	63.9	34.2	94.2	



#113
1,4-dichlorobenzene
Concen: 43.08 ug/L
RT: 9.277 min Scan# 1380
Delta R.T. -0.000 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

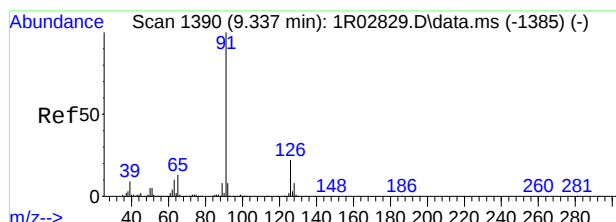
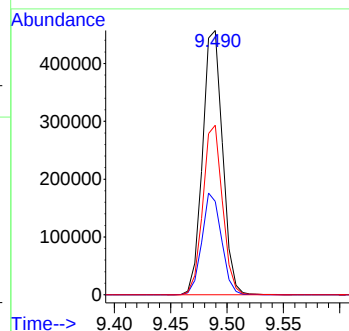
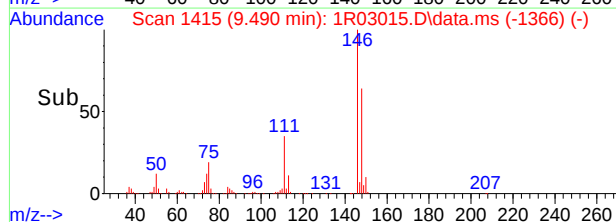
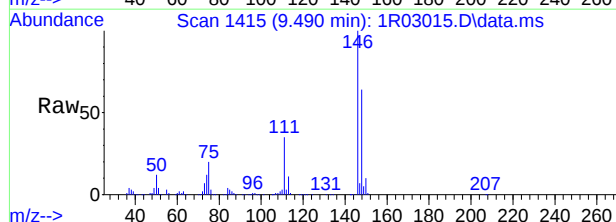
Tgt	Ion	Ratio	Lower	Upper
146	100			
111	34.1	8.4	68.4	
148	62.8	33.6	93.6	





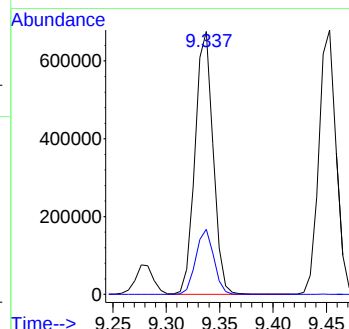
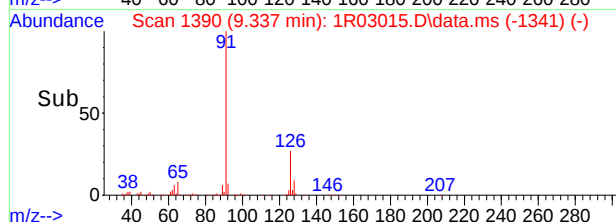
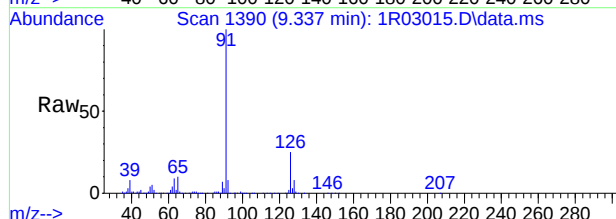
#114
1,2-dichlorobenzene
Concen: 47.32 ug/L
RT: 9.490 min Scan# 1415
Delta R.T. -0.000 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

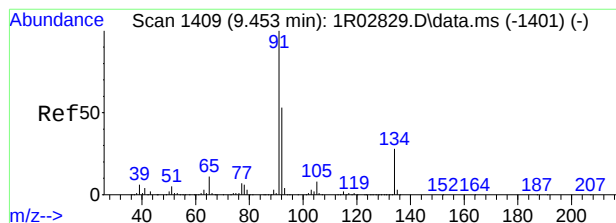
Tgt Ion	146	111	148
Ion	146	111	148
Ratio	100	35.4	64.1
Lower		7.8	31.0
Upper		67.8	91.0



#115
benzyl chloride
Concen: 49.53 ug/L
RT: 9.337 min Scan# 1390
Delta R.T. 0.000 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

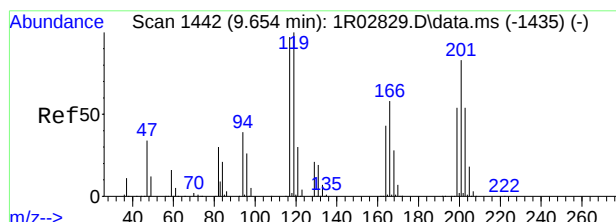
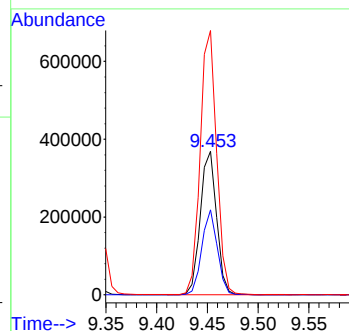
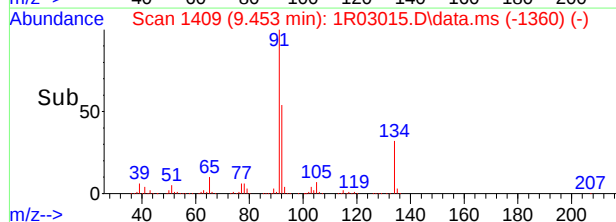
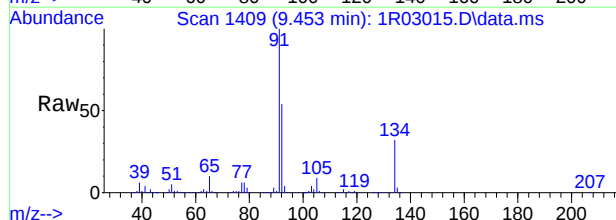
Tgt Ion	91	126
Ion	91	126
Ratio	100	24.8
Lower		0.0
Upper		51.9





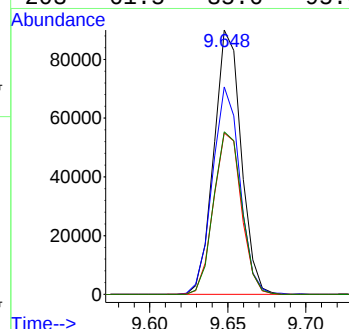
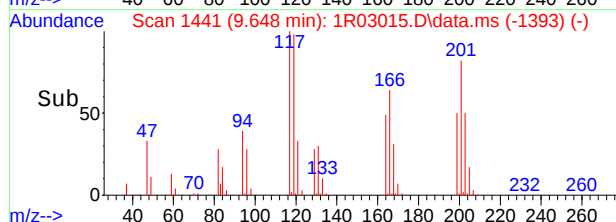
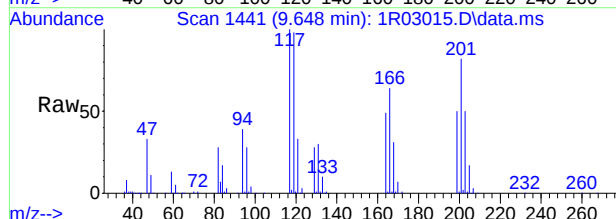
#116
n-butylbenzene
Concen: 41.93 ug/L
RT: 9.453 min Scan# 1409
Delta R.T. 0.000 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

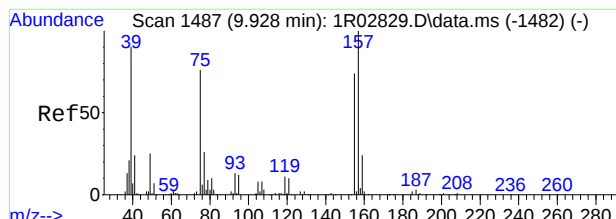
Tgt Ion: 92 Resp: 412790
Ion Ratio Lower Upper
92 100
134 59.2 22.4 82.4
91 184.0 158.9 218.9



#117
hexachloroethane
Concen: 52.41 ug/L
RT: 9.648 min Scan# 1441
Delta R.T. -0.006 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

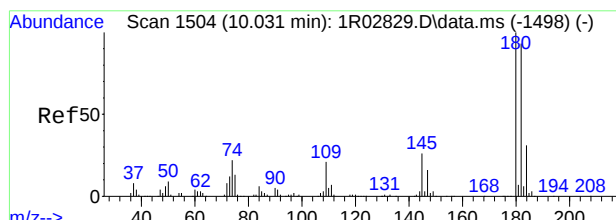
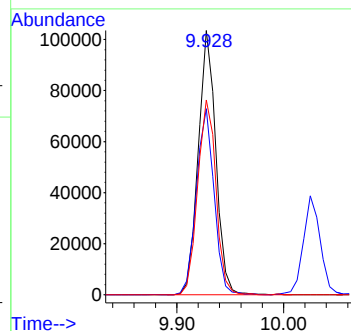
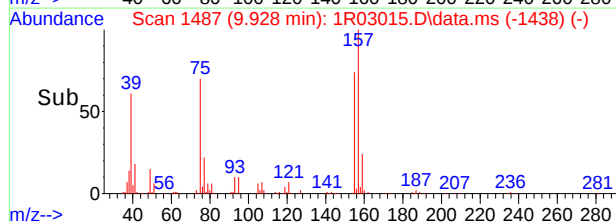
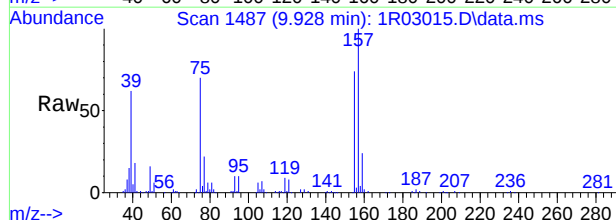
Tgt Ion: 201 Resp: 109204
Ion Ratio Lower Upper
201 100
166 78.4 40.0 100.0
199 61.1 34.6 94.6
203 61.5 35.6 95.6





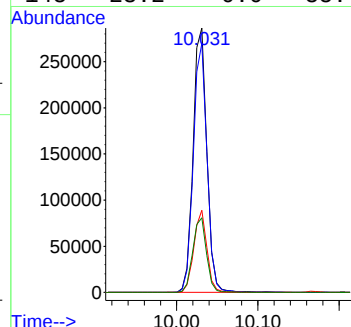
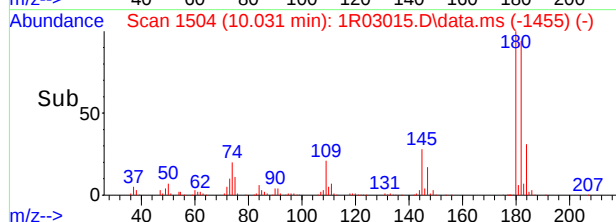
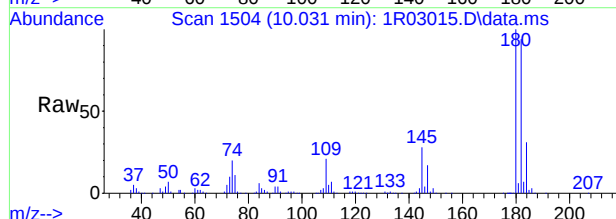
#118
1,2-dibromo-3-chloropropane
Concen: 51.04 ug/L
RT: 9.928 min Scan# 1487
Delta R.T. -0.000 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

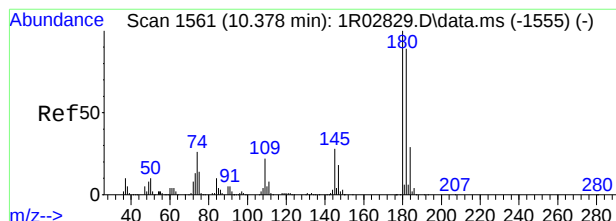
Tgt Ion:157 Resp: 118714
Ion Ratio Lower Upper
157 100
75 70.4 45.6 105.6
155 73.7 44.4 104.4



#119
1,3,5-trichlorobenzene
Concen: 44.69 ug/L
RT: 10.031 min Scan# 1504
Delta R.T. -0.000 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

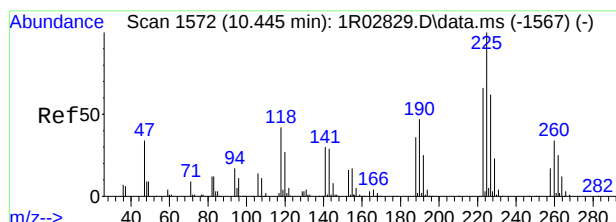
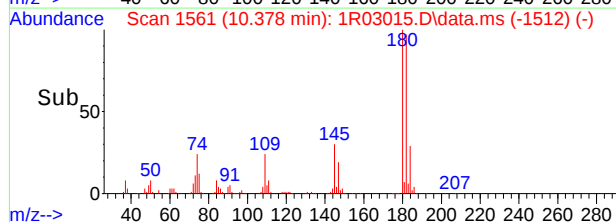
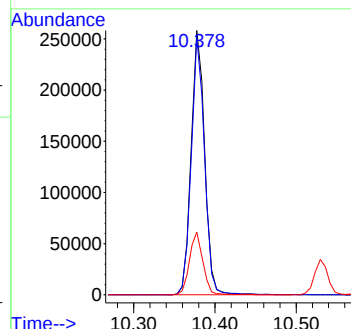
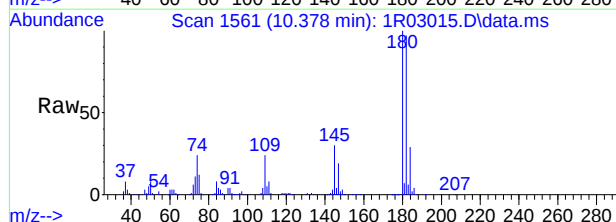
Tgt Ion:180 Resp: 335856
Ion Ratio Lower Upper
180 100
182 94.1 63.0 123.0
184 31.0 0.8 60.8
145 28.2 0.0 55.7





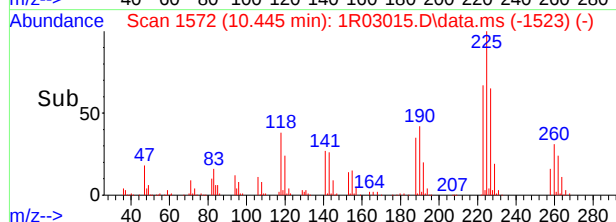
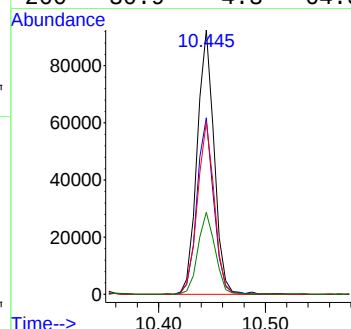
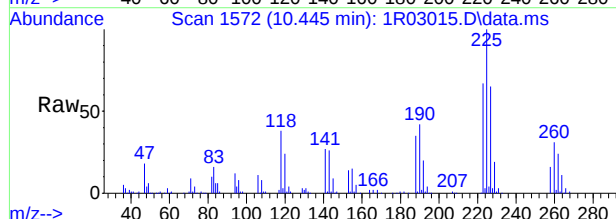
#120
1,2,4-trichlorobenzene
Concen: 47.17 ug/L
RT: 10.378 min Scan# 1561
Delta R.T. -0.000 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

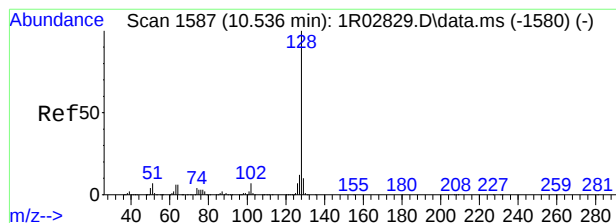
Tgt Ion:180 Resp: 298375
Ion Ratio Lower Upper
180 100
182 97.4 59.1 119.1
74 23.8 0.0 56.3



#121
hexachlorobutadiene
Concen: 44.85 ug/L
RT: 10.445 min Scan# 1572
Delta R.T. -0.000 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

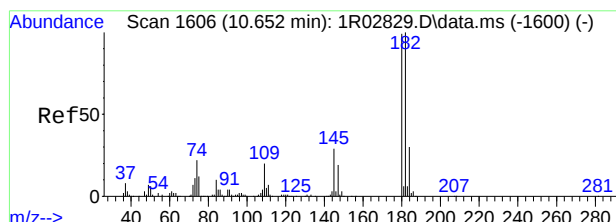
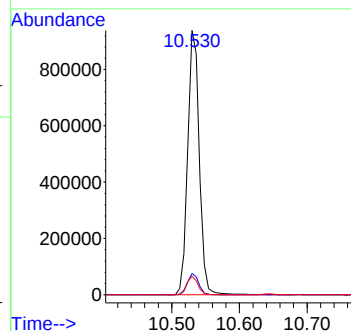
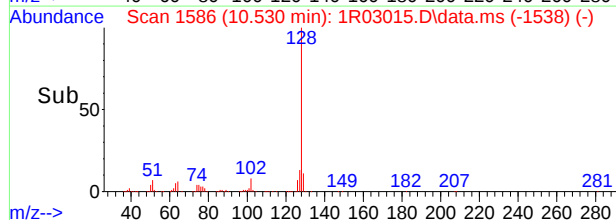
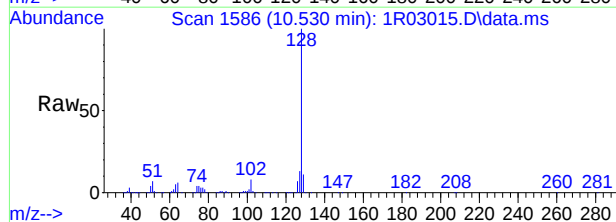
Tgt Ion:225 Resp: 103057
Ion Ratio Lower Upper
225 100
223 66.8 36.0 96.0
227 65.3 32.2 92.2
260 30.9 4.3 64.3





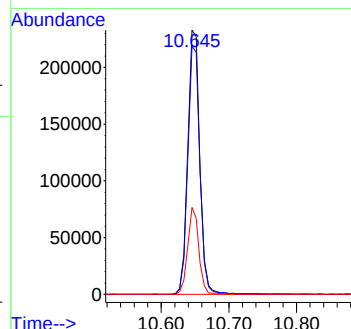
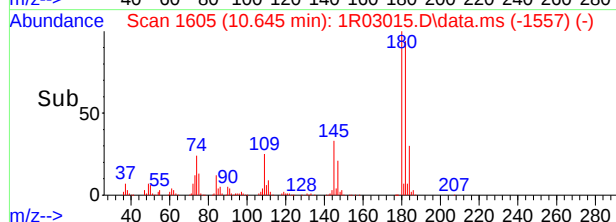
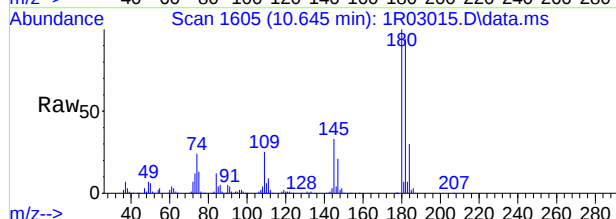
#122
naphthalene
Concen: 48.47 ug/L
RT: 10.530 min Scan# 1586
Delta R.T. -0.006 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

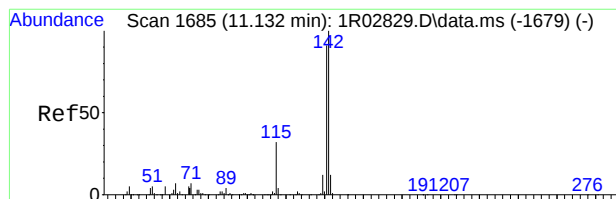
Tgt Ion:128 Resp: 1119638
Ion Ratio Lower Upper
128 100
102 8.0 0.0 37.1
51 7.0 0.0 37.3



#123
1,2,3-trichlorobenzene
Concen: 46.09 ug/L
RT: 10.645 min Scan# 1605
Delta R.T. -0.007 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

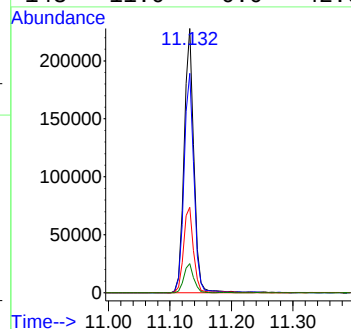
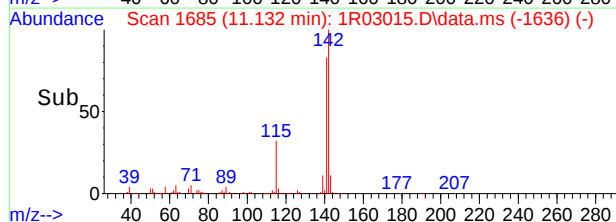
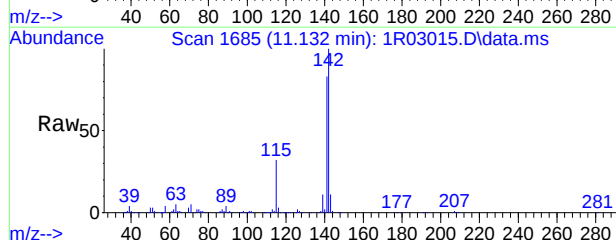
Tgt Ion:180 Resp: 288473
Ion Ratio Lower Upper
180 100
182 94.0 71.4 131.4
145 32.9 0.0 59.5





#124
2-methylnaphthalene
Concen: 24.96 ug/L
RT: 11.132 min Scan# 1685
Delta R.T. 0.000 min
Lab File: 1R03015.D
Acq: 4 Apr 2023 10:34 am

Tgt	Ion	Ratio	Lower	Upper
142	142	100		
141	141	83.0	70.6	110.6
115	115	32.4	1.9	61.9
143	143	11.0	0.0	42.0



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\Mei 04-06-2023\VR0100\
 Data File : 1R03028.D
 Acq On : 4 Apr 2023 4:11 pm
 Operator : nickw
 Sample : jd62953-1ms
 Misc : MS67936,V1R0100,5,,,,,4
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Apr 05 09:49:58 2023

Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M

Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um

QLast Update : Thu Mar 30 09:13:25 2023

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) tert butyl alcohol-d9	3.491	65	507065	500.00	ug/L	0.00
5) pentafluorobenzene	5.024	168	639724	50.00	ug/L	0.00
52) 1,4-difluorobenzene	5.651	114	974157	50.00	ug/L	0.00
73) chlorobenzene-d5	7.816	117	955113	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	9.264	152	501250	50.00	ug/L	0.00

System Monitoring Compounds

44) dibromofluoromethane (s)	5.018	113	294874	53.03	ug/L	0.00
Spiked Amount 50.000	Range	80 - 120	Recovery	=	106.06%	
53) 1,2-dichloroethane-d4 (s)	5.298	65	279744	49.39	ug/L	0.00
Spiked Amount 50.000	Range	81 - 124	Recovery	=	98.78%	
74) toluene-d8 (s)	6.800	98	1245931	47.24	ug/L	0.00
Spiked Amount 50.000	Range	80 - 120	Recovery	=	94.48%	
98) 4-bromofluorobenzene (s)	8.565	174	411533	50.17	ug/L	0.00
Spiked Amount 50.000	Range	80 - 120	Recovery	=	100.34%	

Target Compounds

Qvalue

2) ethanol	2.688	45	537287	5873.94	ug/L	98
3) tertiary butyl alcohol	3.564	59	338524	266.13	ug/L	98
4) 1,4-dioxane	6.113	88	127156	1341.14	ug/L	91
6) chlorodifluoromethane	1.654	51	229817	47.08	ug/L	96
7) dichlorodifluoromethane	1.635	85	237176	52.57	ug/L	99
8) chloromethane	1.800	50	261845	37.54	ug/L	98
9) vinyl chloride	1.897	62	246350	33.45	ug/L	96
10) 1,3-butadiene	1.927	54	201622	36.63	ug/L	95
11) bromomethane	2.183	94	74271	18.01	ug/L	98
12) chloroethane	2.286	64	140801	37.95	ug/L	99
13) trichlorofluoromethane	2.530	101	298148	52.80	ug/L	94
14) ethyl ether	2.797	74	113847	48.94	ug/L	94
15) acrolein	2.937	56	62620	46.77	ug/L	88
16) freon 113	3.035	151	150815	47.38	ug/L	98
17) 1,1-dichloroethene	3.035	96	173965	48.10	ug/L	97
18) acetone	3.065	58	156748	179.34	ug/L	99
19) acetonitrile	3.327	41	622512	528.71	ug/L	97
20) iodomethane	3.181	142	124300	47.94	ug/L	98
21) carbon disulfide	3.248	76	477001	44.90	ug/L	99
22) methylene chloride	3.491	84	199173	50.50	ug/L	97
23) methyl acetate	3.357	74	60551	51.37	ug/L	# 71
24) methyl tert butyl ether	3.728	73	563599	50.03	ug/L	98
25) trans-1,2-dichloroethene	3.740	96	195405	48.66	ug/L	94
26) hexane	3.978	56	159926	46.98	ug/L	95
27) di-isopropyl ether	4.142	45	772008	48.30	ug/L	96
28) 2-butanone	4.592	72	195758	190.55	ug/L	94
29) 1,1-dichloroethane	4.124	63	356068	47.24	ug/L	98
30) chloroprene	4.191	53	323229	49.76	ug/L	99
31) acrylonitrile	3.698	53	135464	46.42	ug/L	99
32) vinyl acetate	4.111	86	54411	52.91	ug/L	# 84
33) ethyl tert-butyl ether	4.452	59	656018	51.97	ug/L	98
34) ethyl acetate	4.616	45	72451	50.29	ug/L	# 76
35) 2,2-dichloropropane	4.616	77	286511	51.93	ug/L	96
36) cis-1,2-dichloroethene	4.610	96	219660	48.93	ug/L	90
37) propionitrile	4.647	54	656643	495.25	ug/L	91
38) methyl acrylate	4.659	85	54553	50.32	ug/L	98
39) methacrylonitrile	4.775	67	138167	48.21	ug/L	91
40) bromochloromethane	4.811	128	109973	51.70	ug/L	# 83
41) tetrahydrofuran	4.817	42	164054	45.91	ug/L	96
42) chloroform	4.884	83	361776	49.04	ug/L	94
43) tert-Butyl Formate	4.908	59	191559	47.67	ug/L	95

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\Mei 04-06-2023\VR0100\
Data File : 1R03028.D
Acq On : 4 Apr 2023 4:11 pm
Operator : nickw
Sample : jd62953-1ms
Misc : MS67936,V1R0100,5,,,,,4
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Apr 05 09:49:58 2023
Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M
Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Thu Mar 30 09:13:25 2023
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,1-trichloroethane	5.030	97	311462	48.99	ug/L	86
46) cyclohexane	5.091	84	287048	48.64	ug/L	88
47) isobutyl alcohol	5.207	43	303681	563.02	ug/L	98
48) 1,1-dichloropropene	5.158	75	269305	50.55	ug/L	97
49) carbon tetrachloride	5.158	117	277795	52.41	ug/L	97
50) tert-amyl alcohol	5.310	73	183011	286.03	ug/L	94
51) isopropyl acetate	5.334	87	72828	51.14	ug/L	# 72
54) n-butyl alcohol	5.742	56	922127	2521.54	ug/L	99
55) 2,2,4-trimethylpentane	5.407	57	587864	43.50	ug/L	98
56) benzene	5.322	78	884752	46.07	ug/L	99
57) tert-amyl methyl ether	5.413	73	626840	45.90	ug/L	95
58) heptane	5.541	57	130013	42.57	ug/L	94
59) 1,2-dichloroethane	5.365	62	284395	46.49	ug/L	95
60) ethyl acrylate	5.894	55	428816	43.34	ug/L	99
61) trichloroethene	5.851	95	222336	45.88	ug/L	98
62) 2-chloroethyl vinyl ether	6.466	63	28495	6.84	ug/L	98
63) methyl methacrylate	6.083	100	78248	47.77	ug/L	# 74
64) methylcyclohexane	6.040	83	328010	42.73	ug/L	98
65) 1,2-dichloropropane	6.064	63	218300	41.27	ug/L	98
66) dibromomethane	6.131	93	142926	43.72	ug/L	99
67) bromodichloromethane	6.265	83	272149	46.70	ug/L	97
68) 2-nitropropane	6.429	41	131196	47.76	ug/L	95
69) epichlorohydrin	6.508	57	242063	243.83	ug/L	98
70) cis-1,3-dichloropropene	6.594	75	341417	45.53	ug/L	96
71) 4-methyl-2-pentanone	6.691	58	639812	175.28	ug/L	95
72) isoamyl alcohol	6.721	70	334473	983.67	ug/L	98
75) toluene	6.849	92	3172100	256.39	ug/L	99
76) ethyl methacrylate	7.025	69	317829	47.09	ug/L	99
77) trans-1,3-dichloropropene	7.007	75	325232	49.13	ug/L	92
78) 1,1,2-trichloroethane	7.153	83	173043	44.73	ug/L	94
79) tetrachloroethene	7.220	164	214223	43.96	ug/L	97
80) 2-hexanone	7.287	58	717171	183.51	ug/L	97
81) 1,3-dichloropropane	7.269	76	319392	46.22	ug/L	98
82) butyl acetate	7.354	56	228657	44.66	ug/L	95
83) dibromochloromethane	7.421	129	253478	52.01	ug/L	97
84) 1,2-dibromoethane	7.512	107	239277	51.68	ug/L	97
85) n-butyl ether	7.865	57	967181	44.11	ug/L	100
86) chlorobenzene	7.835	112	641181	46.87	ug/L	95
87) 1,1,1,2-tetrachloroethane	7.889	131	235129	48.62	ug/L	98
88) ethylbenzene	7.889	91	1977730	86.99	ug/L	98
89) m,p-xylene	7.975	106	1557826	176.51	ug/L	94
90) o-xylene	8.224	91	1976417	112.69	ug/L	95
91) styrene	8.230	104	751059	51.02	ug/L	93
92) butyl acrylate	8.163	55	538792	46.86	ug/L	99
93) n-amyl acetate	8.297	70	191145	43.42	ug/L	92
94) isopropylbenzene	8.449	105	1084920	52.71	ug/L	97
95) bromoform	8.364	173	199793	51.58	ug/L	96
96) cis-1,4-dichloro-2-butene	8.486	88	144341	50.04	ug/L	97
99) 1,1,2,2-tetrachloroethane	8.638	83	341553	45.33	ug/L	98
100) trans-1,4-dichloro-2-b...	8.656	53	112529	44.42	ug/L	89
101) 1,2,3-trichloropropane	8.680	110	109080	48.84	ug/L	87
102) bromobenzene	8.662	156	283333	47.82	ug/L	84
103) n-propylbenzene	8.705	91	1251865	48.86	ug/L	97
104) 2-chlorotoluene	8.771	126	265486	50.09	ug/L	88
105) 4-chlorotoluene	8.844	91	712631	45.27	ug/L	95
106) 1,3,5-trimethylbenzene	8.808	105	886259	50.24	ug/L	98
107) tert-butylbenzene	9.003	119	730318	47.41	ug/L	97
108) 1,2,4-trimethylbenzene	9.033	105	1535392	85.53	ug/L	98

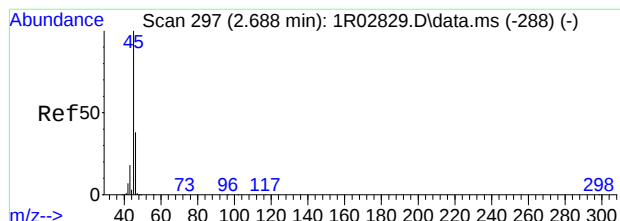
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\Mei 04-06-2023\VR0100\
Data File : 1R03028.D
Acq On : 4 Apr 2023 4:11 pm
Operator : nickw
Sample : jd62953-1ms
Misc : MS67936,V1R0100,5,,,,,4
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Apr 05 09:49:58 2023
Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M
Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Thu Mar 30 09:13:25 2023
Response via : Initial Calibration

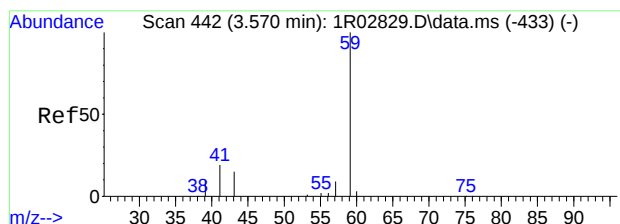
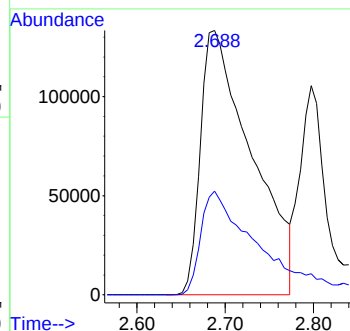
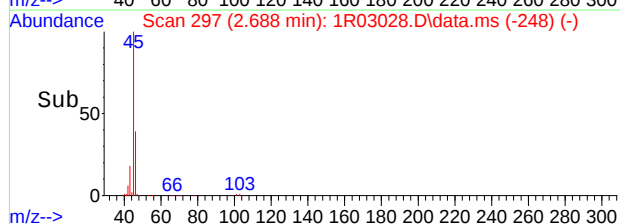
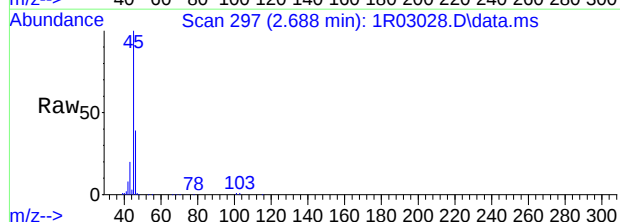
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
109) sec-butylbenzene	9.130	105	1018214	48.53	ug/L	96
110) p-isopropyltoluene	9.216	119	921100	47.92	ug/L	99
111) 1,2,3-trimethylbenzene	9.282	105	1033591	54.02	ug/L	96
112) 1,3-dichlorobenzene	9.222	146	552128	48.44	ug/L	99
113) 1,4-dichlorobenzene	9.276	146	536429	46.07	ug/L	98
114) 1,2-dichlorobenzene	9.489	146	541409	51.76	ug/L	98
115) benzyl chloride	9.337	91	726698	51.73	ug/L	95
116) n-butylbenzene	9.453	92	395014	45.71	ug/L	98
117) hexachloroethane	9.654	201	107246	58.63	ug/L	96
118) 1,2-dibromo-3-chloropr...	9.927	157	110777	54.26	ug/L	96
119) 1,3,5-trichlorobenzene	10.031	180	322479	48.88	ug/L	97
120) 1,2,4-trichlorobenzene	10.378	180	286358	51.57	ug/L	94
121) hexachlorobutadiene	10.444	225	100988	50.07	ug/L	96
122) naphthalene	10.536	128	1171779	57.79	ug/L	98
123) 1,2,3-trichlorobenzene	10.651	180	281951	51.32	ug/L	94
124) 2-methylnaphthalene	11.132	142	253134	28.57	ug/L	98

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



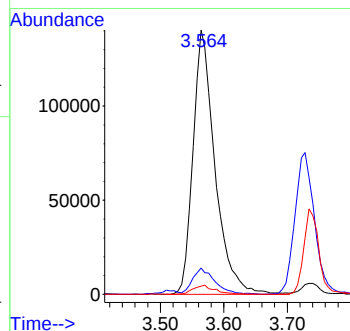
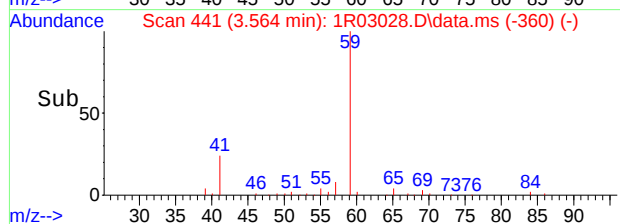
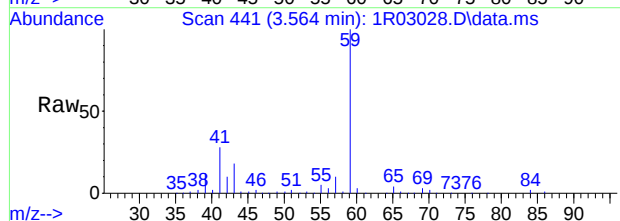
#2
ethanol
Concen: 5873.94 ug/L
RT: 2.688 min Scan# 297
Delta R.T. -0.000 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

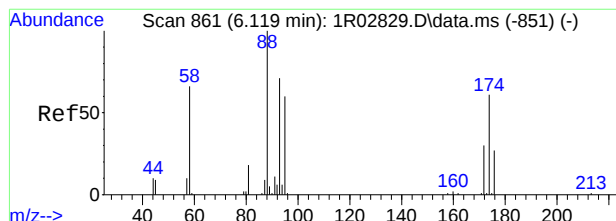
Tgt Ion: 45 Resp: 537287
Ion Ratio Lower Upper
45 100
46 39.3 17.8 57.8



#3
tertiary butyl alcohol
Concen: 266.13 ug/L
RT: 3.564 min Scan# 441
Delta R.T. -0.006 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

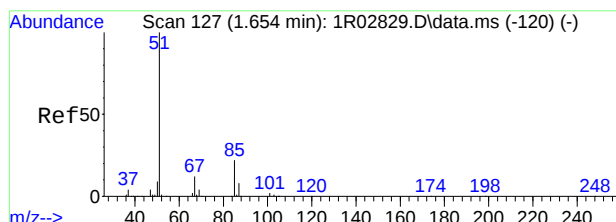
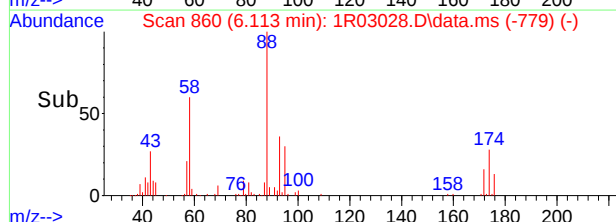
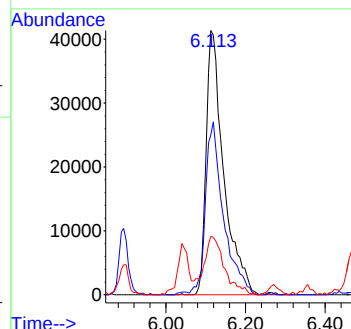
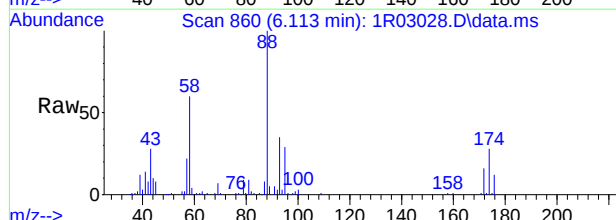
Tgt Ion: 59 Resp: 338524
Ion Ratio Lower Upper
59 100
57 8.4 0.0 39.1
60 3.1 0.0 32.9





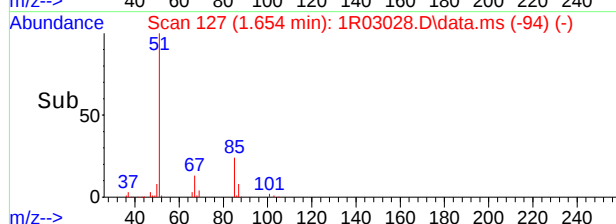
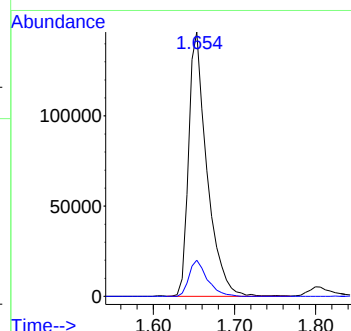
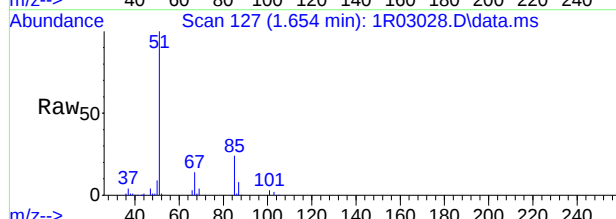
#4
1,4-dioxane
Concen: 1341.14 ug/L
RT: 6.113 min Scan# 860
Delta R.T. -0.006 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

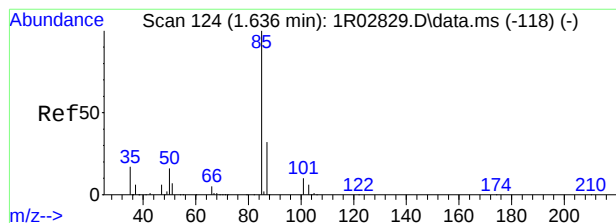
Tgt Ion: 88 Resp: 127156
Ion Ratio Lower Upper
88 100
58 60.4 37.9 97.9
57 21.6 0.0 56.5



#6
chlorodifluoromethane
Concen: 47.08 ug/L
RT: 1.654 min Scan# 127
Delta R.T. -0.000 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

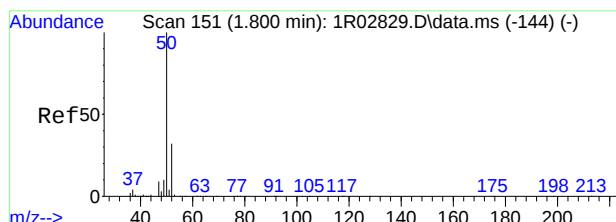
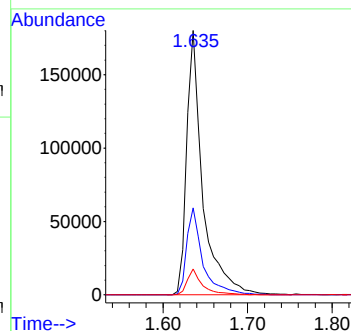
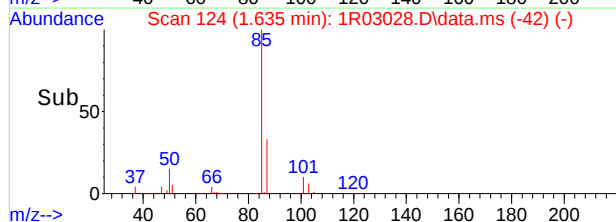
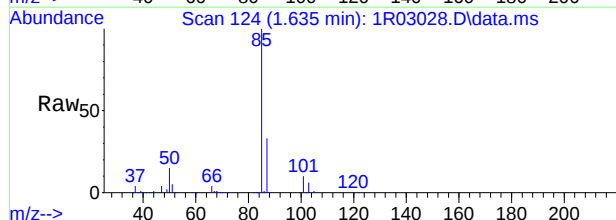
Tgt Ion: 51 Resp: 229817
Ion Ratio Lower Upper
51 100
67 13.7 0.0 42.3





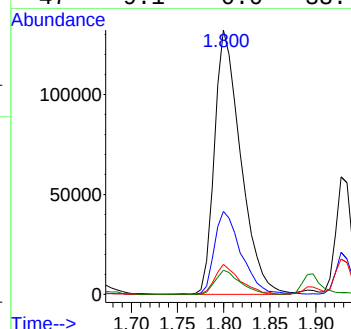
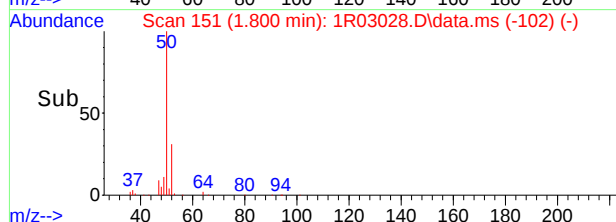
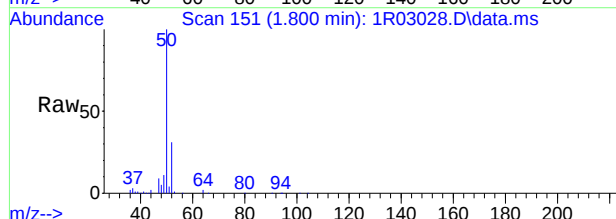
#7
dichlorodifluoromethane
Concen: 52.57 ug/L
RT: 1.635 min Scan# 124
Delta R.T. -0.001 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

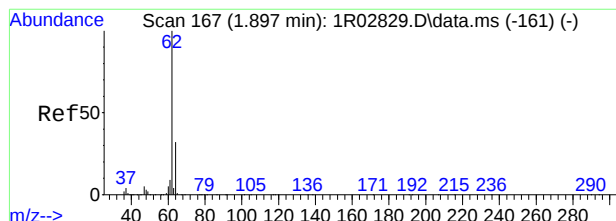
Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.9	2.0	62.0
101	9.7	0.0	40.1



#8
chloromethane
Concen: 37.54 ug/L
RT: 1.800 min Scan# 151
Delta R.T. -0.000 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

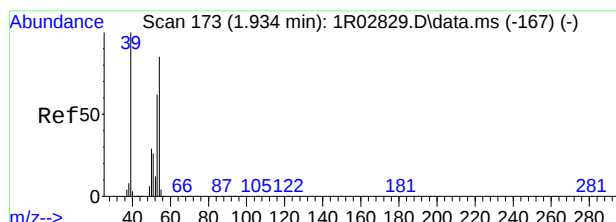
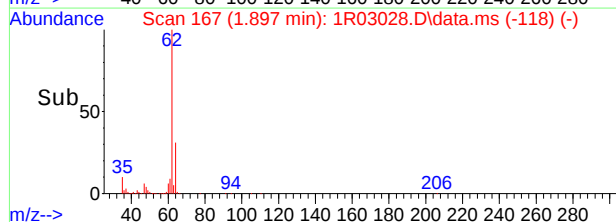
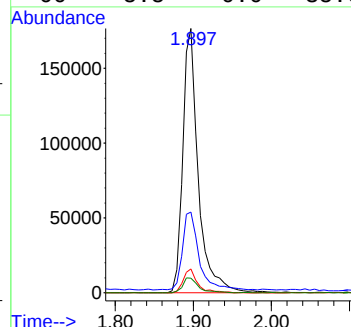
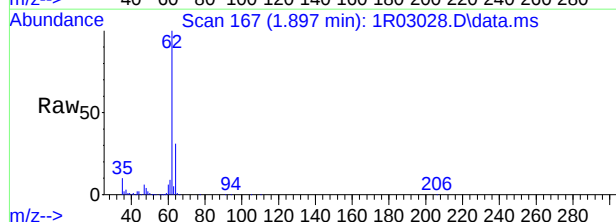
Tgt Ion	Ratio	Lower	Upper
50	100		
52	31.4	2.4	62.4
49	11.3	0.0	40.3
47	9.1	0.0	38.7





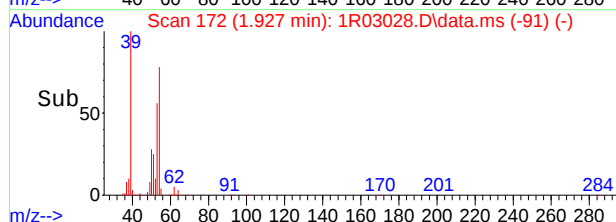
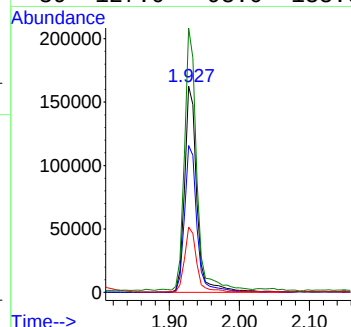
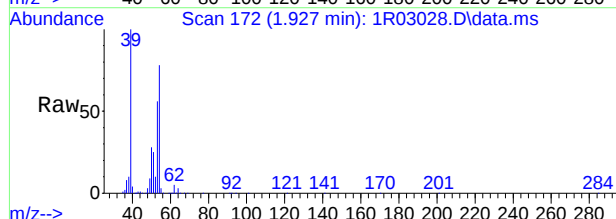
#9
vinyl chloride
Concen: 33.45 ug/L
RT: 1.897 min Scan# 167
Delta R.T. 0.000 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

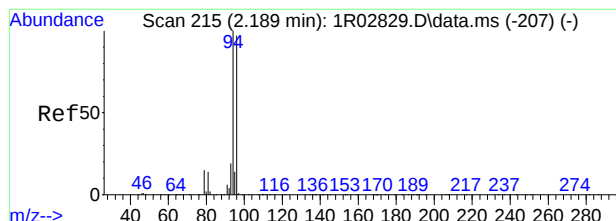
Tgt Ion:	62	Resp:	246350
Ion Ratio	Lower	Upper	
62	100		
64	29.4	2.7	62.7
61	9.0	0.0	39.1
60	5.5	0.0	35.6



#10
1,3-butadiene
Concen: 36.63 ug/L
RT: 1.927 min Scan# 172
Delta R.T. -0.007 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

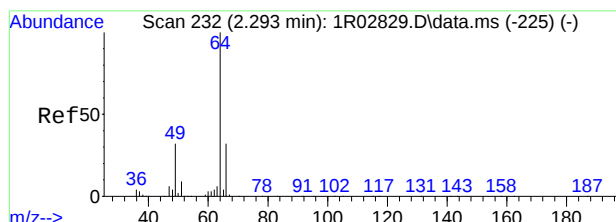
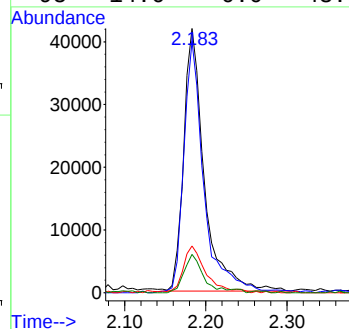
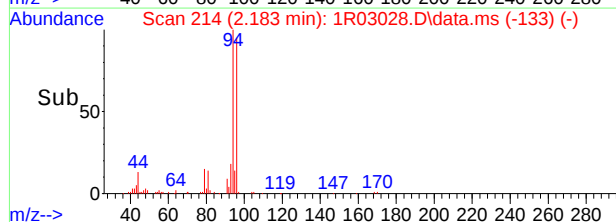
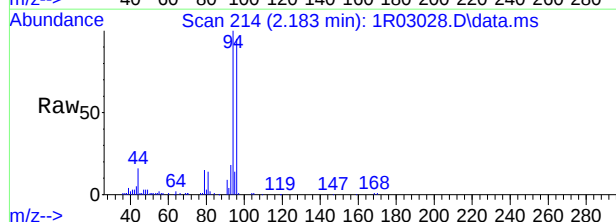
Tgt Ion:	54	Resp:	201622
Ion Ratio	Lower	Upper	
54	100		
53	71.0	52.9	92.9
51	31.4	10.6	50.6
39	127.0	98.0	138.0





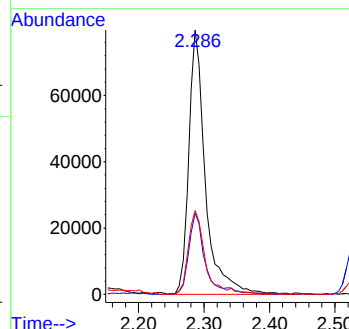
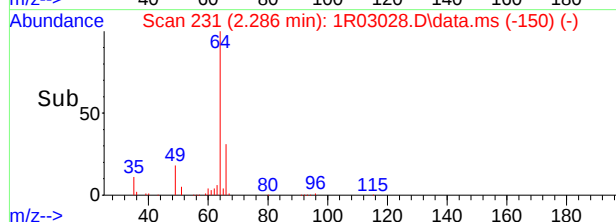
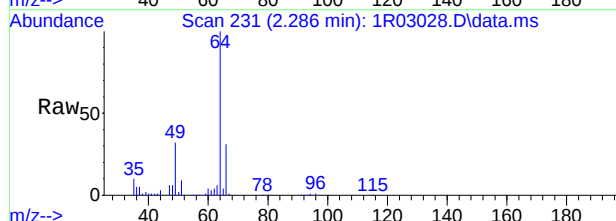
#11
bromomethane
Concen: 18.01 ug/L
RT: 2.183 min Scan# 214
Delta R.T. -0.006 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

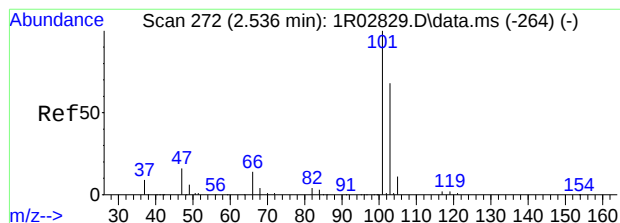
Tgt	Ion	Ratio	Lower	Upper
94	94	100		
96	96	94.9	66.4	126.4
93	93	17.8	0.0	49.0
95	95	14.6	0.0	43.9



#12
chloroethane
Concen: 37.95 ug/L
RT: 2.286 min Scan# 231
Delta R.T. -0.007 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

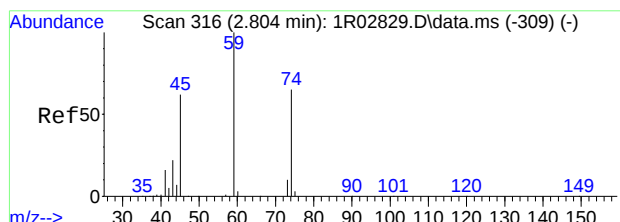
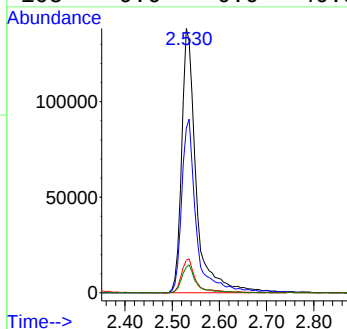
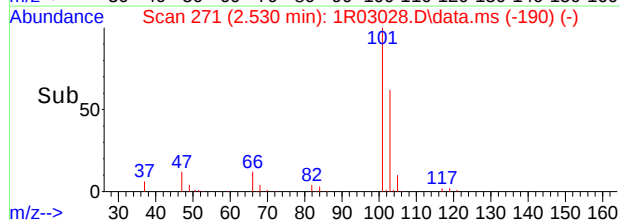
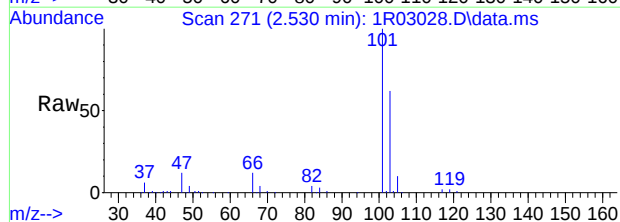
Tgt	Ion	Ratio	Lower	Upper
64	64	100		
66	66	30.7	1.8	61.8
49	49	31.7	2.2	62.2





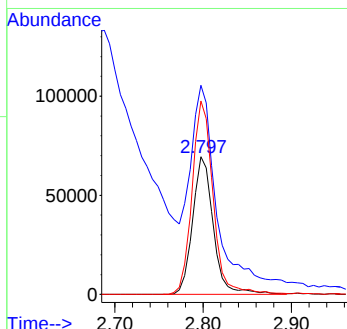
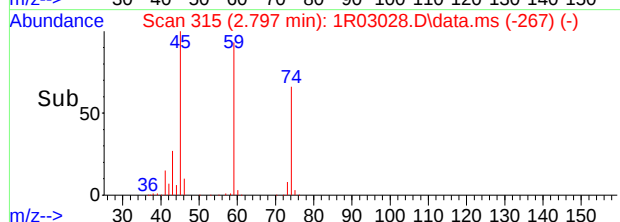
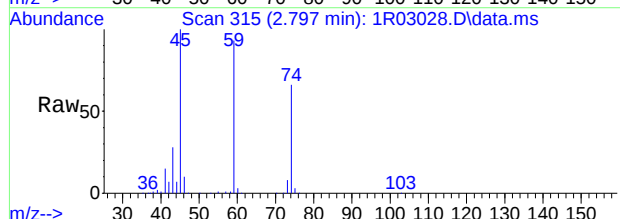
#13
trichlorofluoromethane
Concen: 52.80 ug/L
RT: 2.530 min Scan# 271
Delta R.T. -0.006 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

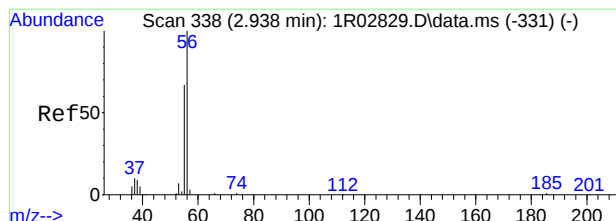
Tgt	Ion:101	Resp:	298148
Ion	Ratio	Lower	Upper
101	100		
103	62.3	37.5	97.5
66	12.4	0.0	43.5
105	9.6	0.0	40.8



#14
ethyl ether
Concen: 48.94 ug/L
RT: 2.797 min Scan# 315
Delta R.T. -0.007 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

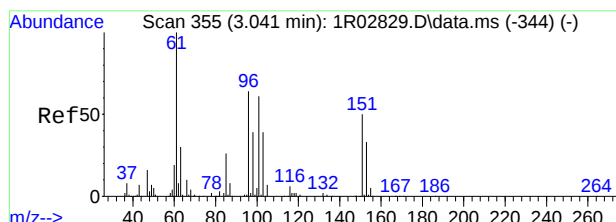
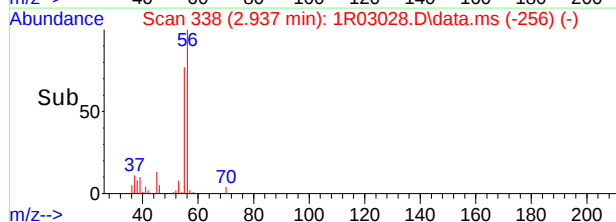
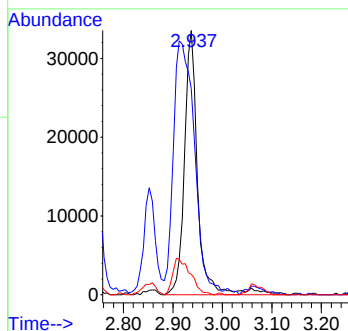
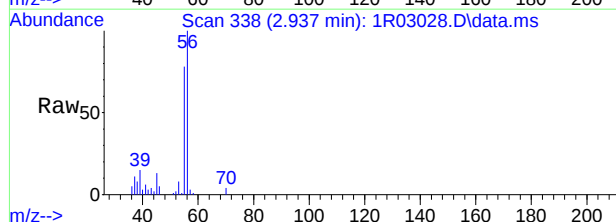
Tgt	Ion: 74	Resp:	113847
Ion	Ratio	Lower	Upper
74	100		
45	143.3	114.8	174.8
59	140.6	124.4	184.4





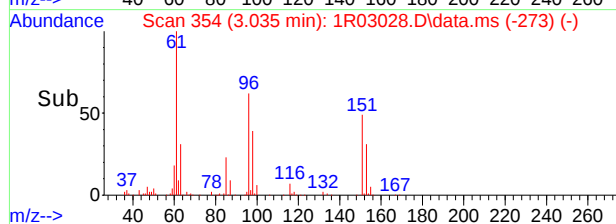
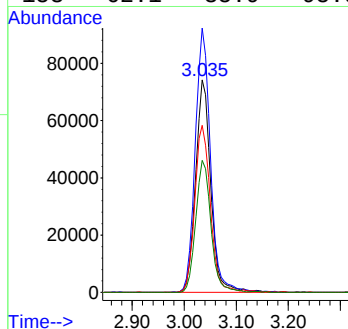
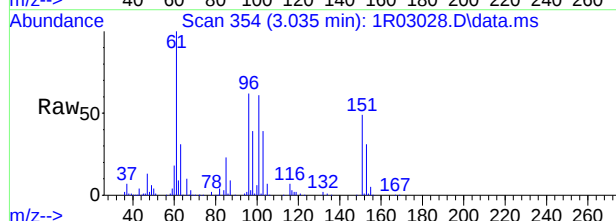
#15
acrolein
Concen: 46.77 ug/L
RT: 2.937 min Scan# 338
Delta R.T. -0.001 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

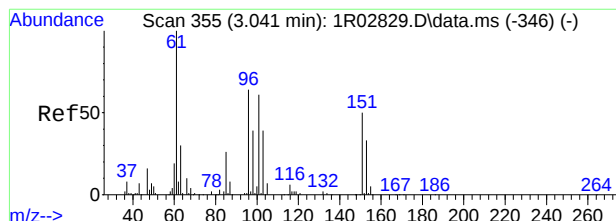
Tgt Ion	Ratio	Lower	Upper
56	100		
55	77.9	37.7	97.7
53	7.8	0.0	36.8



#16
freon 113
Concen: 47.38 ug/L
RT: 3.035 min Scan# 354
Delta R.T. -0.006 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

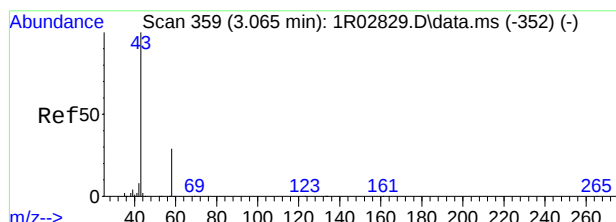
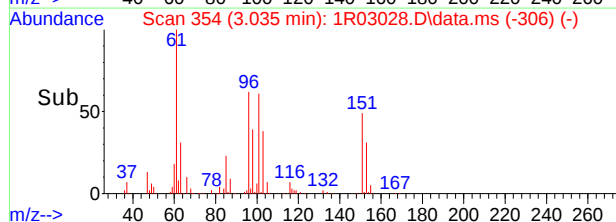
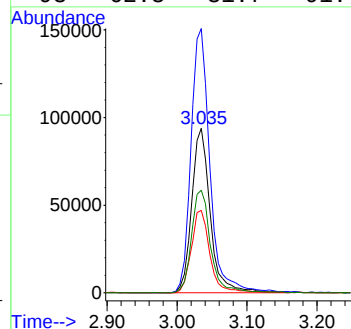
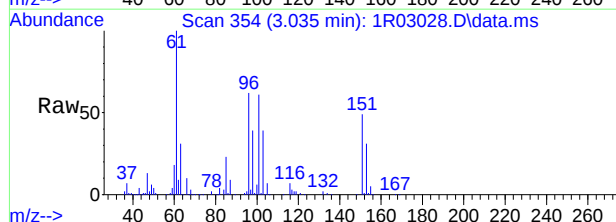
Tgt Ion	Ratio	Lower	Upper
151	100		
101	124.5	92.0	152.0
103	78.6	49.1	109.1
153	62.1	35.9	95.9





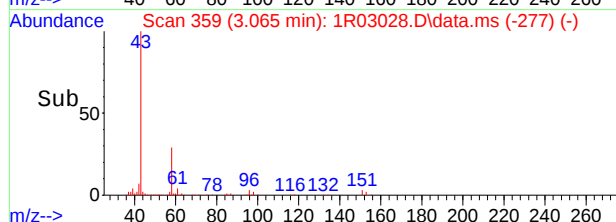
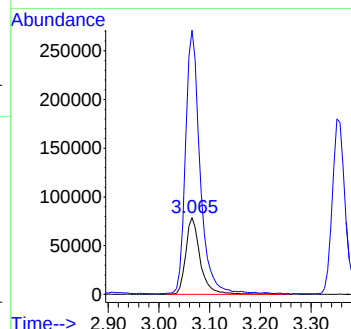
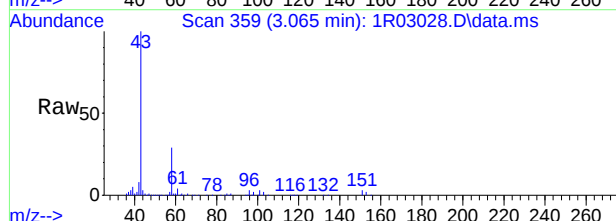
#17
1,1-dichloroethene
Concen: 48.10 ug/L
RT: 3.035 min Scan# 354
Delta R.T. -0.006 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

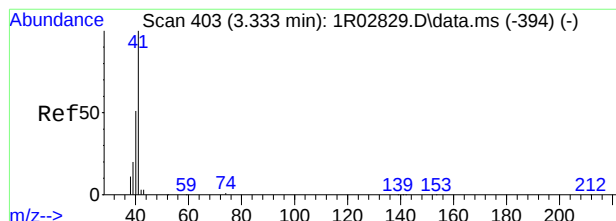
Tgt	Ion	96	Resp:	173965
	Ratio	100	Lower	Upper
	61	160.7	126.6	186.6
	63	50.1	17.7	77.7
	98	62.3	31.7	91.7



#18
acetone
Concen: 179.34 ug/L
RT: 3.065 min Scan# 359
Delta R.T. 0.000 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

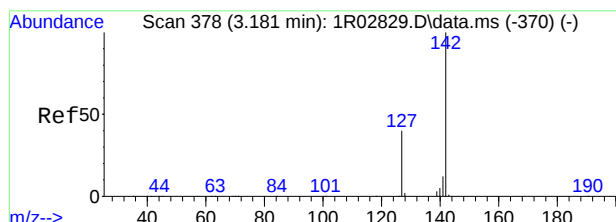
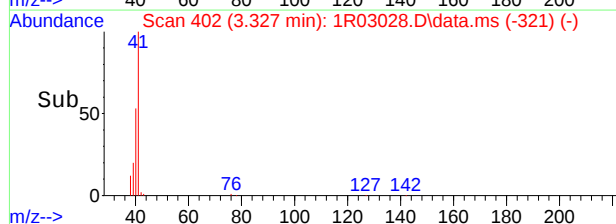
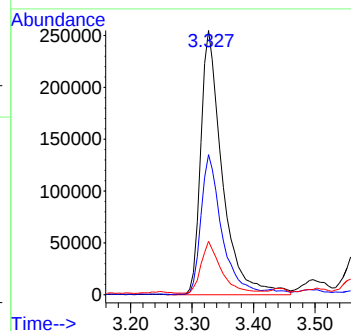
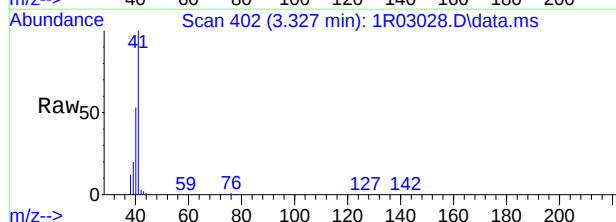
Tgt	Ion	58	Resp:	156748
	Ratio	100	Lower	Upper
	43	343.7	311.9	371.9





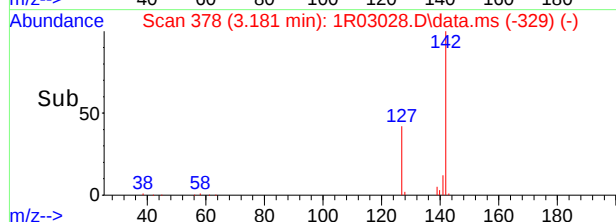
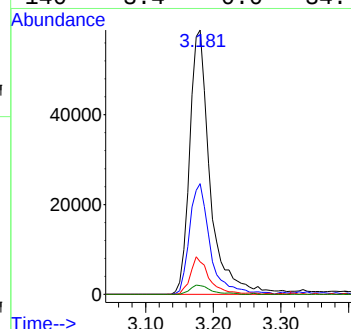
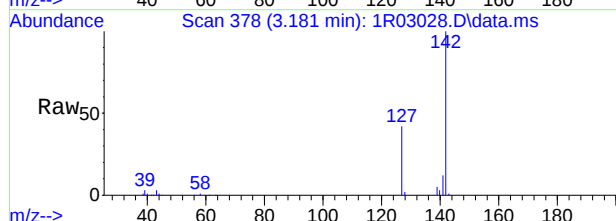
#19
acetonitrile
Concen: 528.71 ug/L
RT: 3.327 min Scan# 402
Delta R.T. -0.006 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

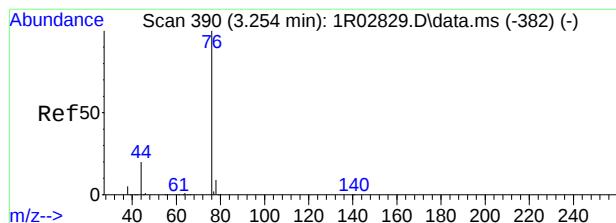
Tgt Ion	Ratio	Lower	Upper
41	100		
40	52.7	20.7	80.7
39	19.5	0.0	50.4



#20
iodomethane
Concen: 47.94 ug/L
RT: 3.181 min Scan# 378
Delta R.T. -0.000 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

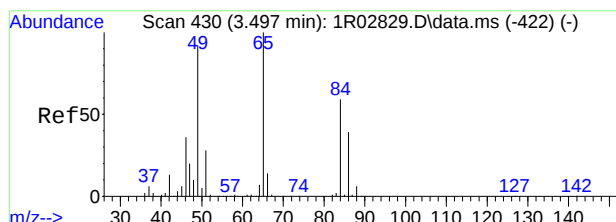
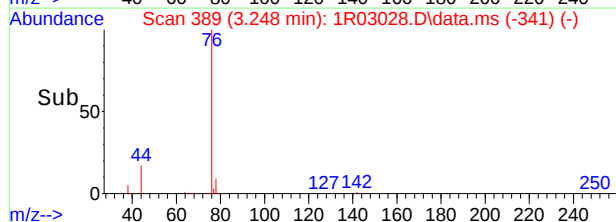
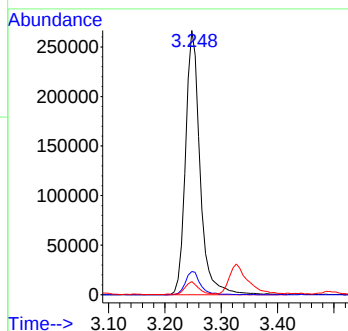
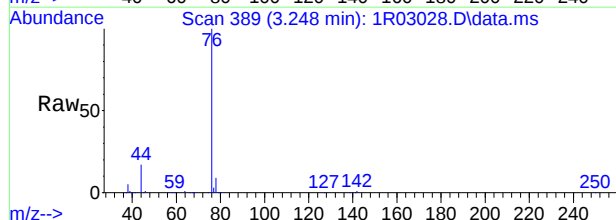
Tgt Ion	Ratio	Lower	Upper
142	100		
127	41.9	10.3	70.3
141	12.3	0.0	42.1
140	3.4	0.0	34.7





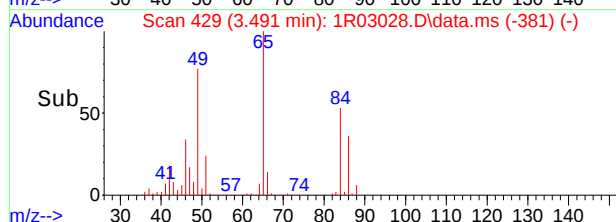
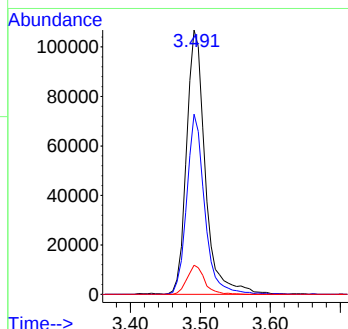
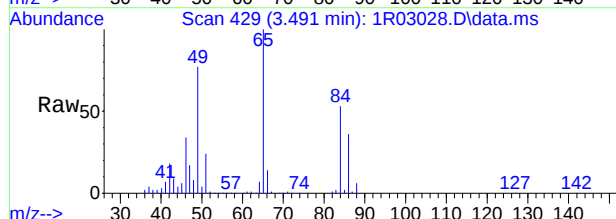
#21
carbon disulfide
Concen: 44.90 ug/L
RT: 3.248 min Scan# 389
Delta R.T. -0.006 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

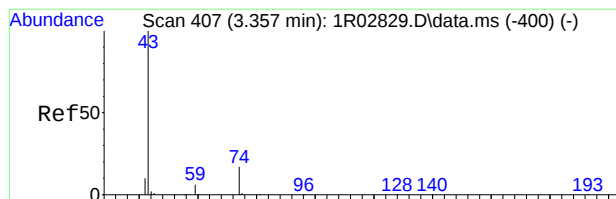
Tgt Ion: 76 Resp: 477001
Ion Ratio Lower Upper
76 100
78 8.9 0.0 39.3
38 4.8 0.0 34.5



#22
methylene chloride
Concen: 50.50 ug/L
RT: 3.491 min Scan# 429
Delta R.T. -0.006 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

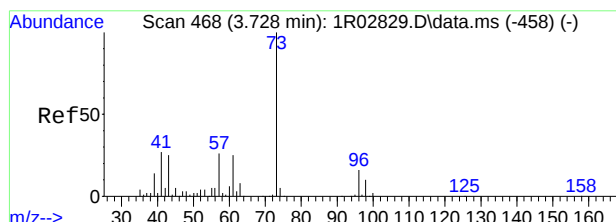
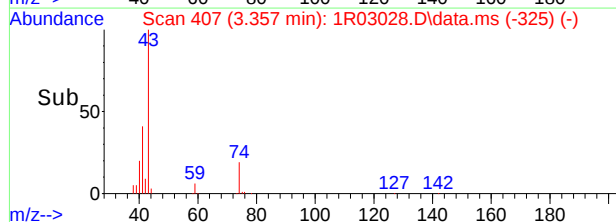
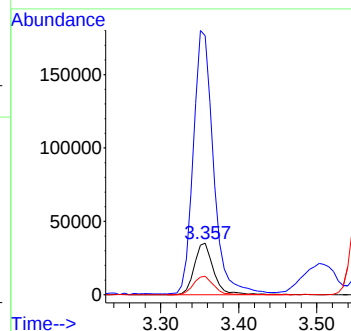
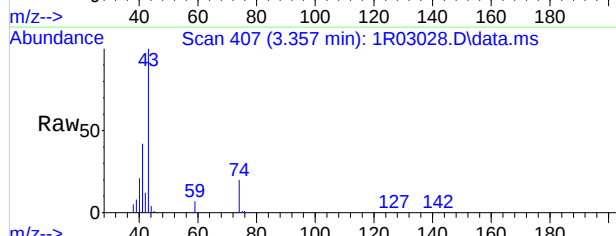
Tgt Ion: 84 Resp: 199173
Ion Ratio Lower Upper
84 100
86 68.2 35.5 95.5
88 11.0 0.0 40.7





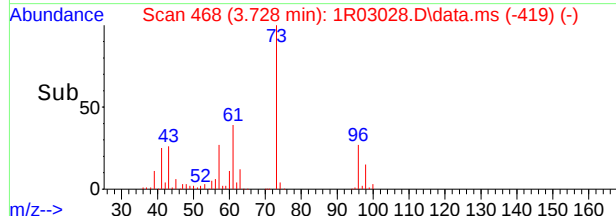
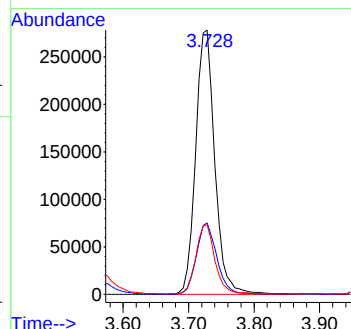
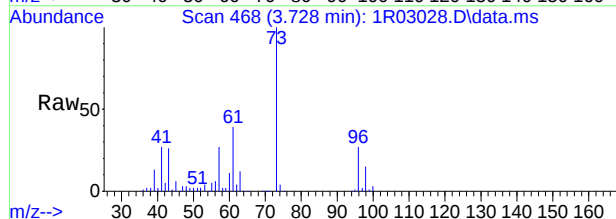
#23
methyl acetate
Concen: 51.37 ug/L
RT: 3.357 min Scan# 407
Delta R.T. 0.000 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

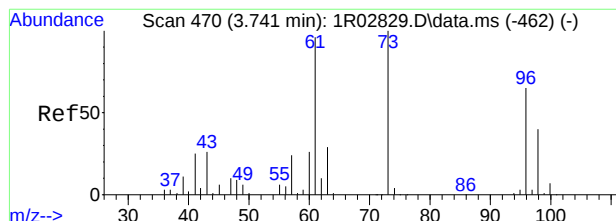
Tgt Ion	Ratio	Lower	Upper
74	100		
43	500.2	564.6	624.6#
59	36.2	7.1	67.1



#24
methyl tert butyl ether
Concen: 50.03 ug/L
RT: 3.728 min Scan# 468
Delta R.T. 0.000 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

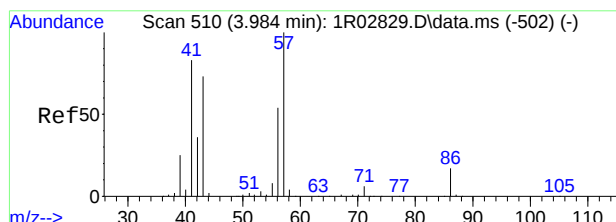
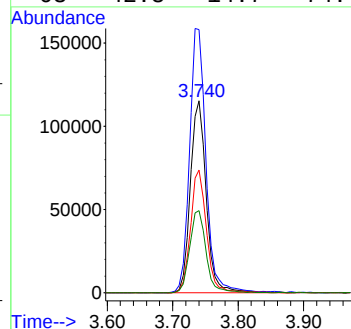
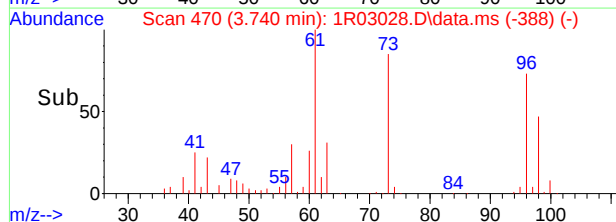
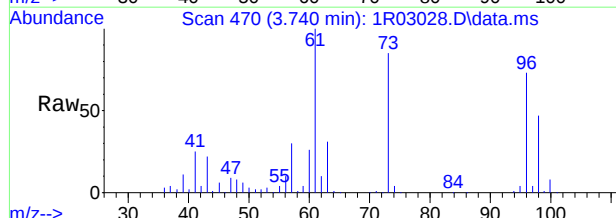
Tgt Ion	Ratio	Lower	Upper
73	100		
57	27.1	0.0	55.9
43	26.2	0.0	55.4





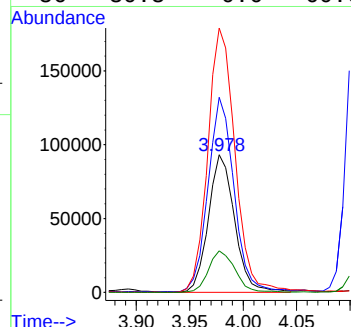
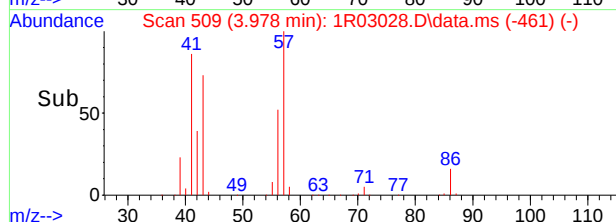
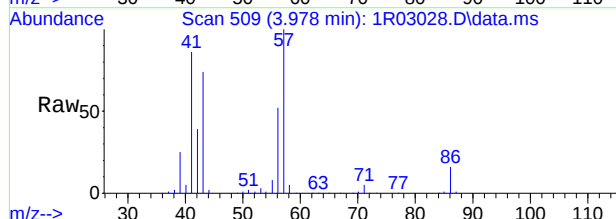
#25
trans-1,2-dichloroethene
Concen: 48.66 ug/L
RT: 3.740 min Scan# 470
Delta R.T. -0.001 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

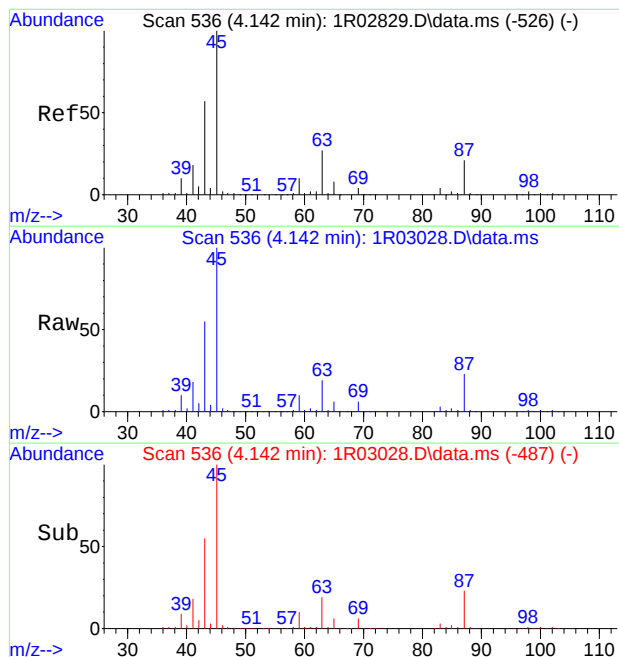
Tgt	Ion: 96	Resp:	195405
Ion	Ratio	Lower	Upper
96	100		
61	137.0	117.5	177.5
98	64.0	31.0	91.0
63	42.8	14.7	74.7



#26
hexane
Concen: 46.98 ug/L
RT: 3.978 min Scan# 509
Delta R.T. -0.006 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

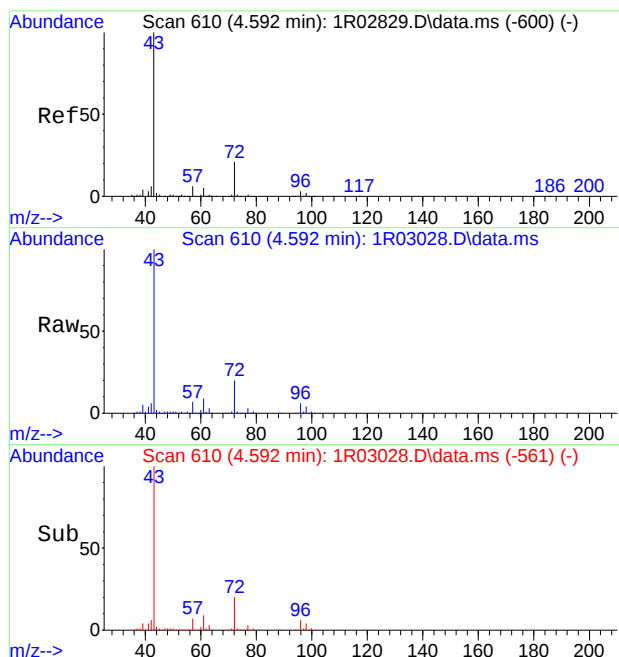
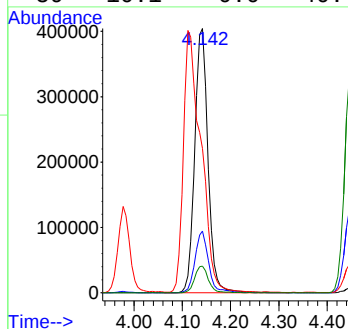
Tgt	Ion: 56	Resp:	159926
Ion	Ratio	Lower	Upper
56	100		
43	141.2	105.1	165.1
57	192.2	154.8	214.8
86	30.3	0.6	60.6





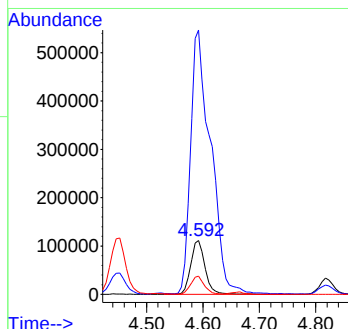
#27
di-isopropyl ether
Concen: 48.30 ug/L
RT: 4.142 min Scan# 536
Delta R.T. -0.000 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

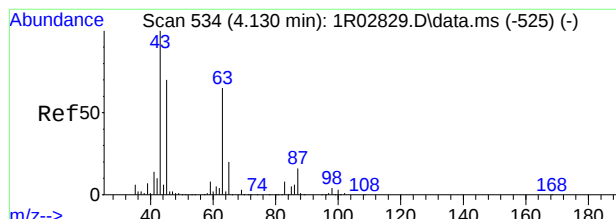
Tgt Ion:	45	Resp:	772008
Ion Ratio	Lower	Upper	
45	100		
87	23.4	0.0	51.0
43	54.4	27.5	87.5
59	10.1	0.0	40.4



#28
2-butanone
Concen: 190.55 ug/L
RT: 4.592 min Scan# 610
Delta R.T. 0.000 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

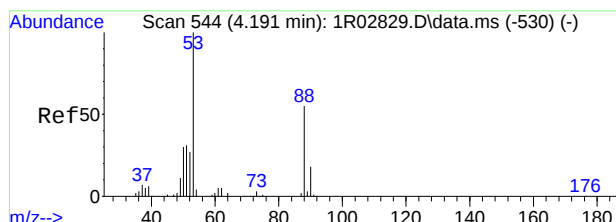
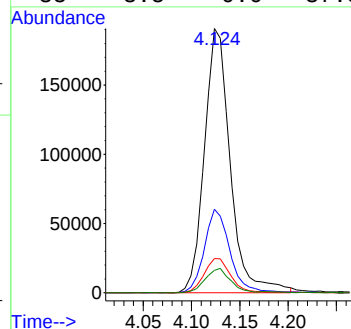
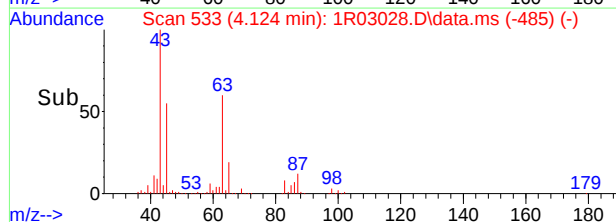
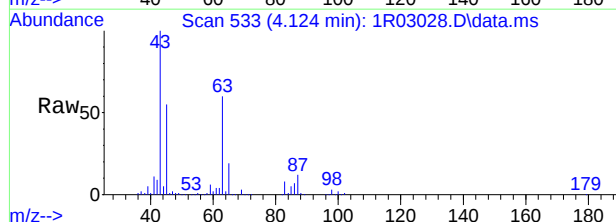
Tgt Ion:	72	Resp:	195758
Ion Ratio	Lower	Upper	
72	100		
43	489.9	444.7	504.7
57	34.1	0.2	60.2





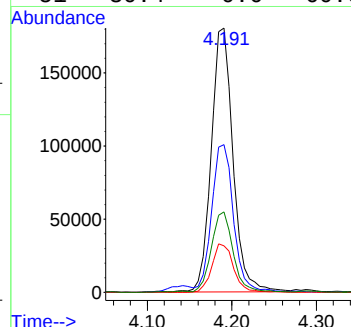
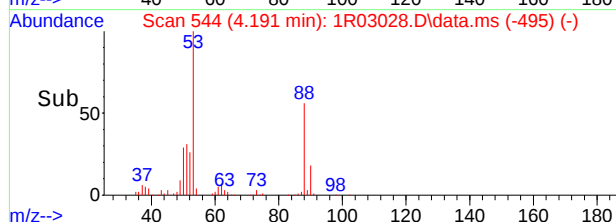
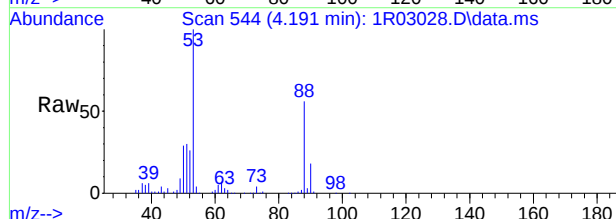
#29
1,1-dichloroethane
Concen: 47.24 ug/L
RT: 4.124 min Scan# 533
Delta R.T. -0.006 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

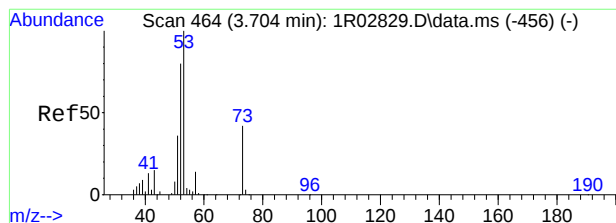
Tgt	Ion	Ratio	Resp	Lower	Upper
63	63	100	356068		
65	65	31.5		0.3	60.3
83	83	12.9		0.0	42.5
85	85	8.5		0.0	37.5



#30
chloroprene
Concen: 49.76 ug/L
RT: 4.191 min Scan# 544
Delta R.T. -0.000 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

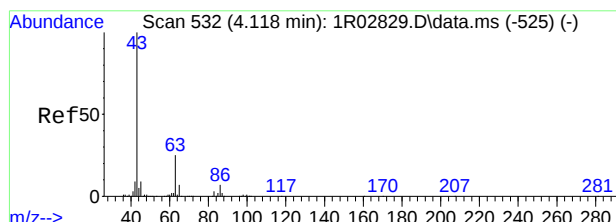
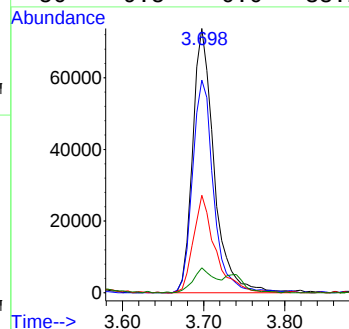
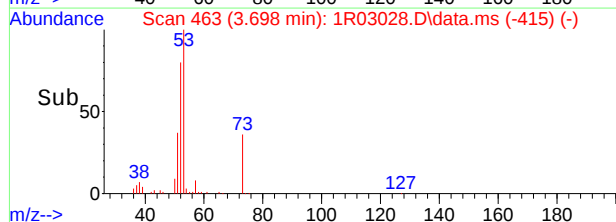
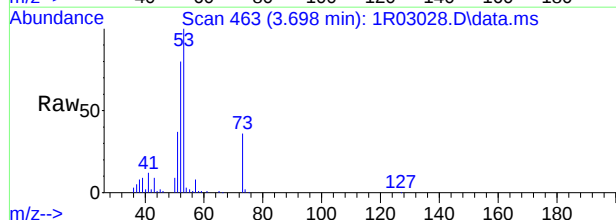
Tgt	Ion	Ratio	Resp	Lower	Upper
53	53	100	323229		
88	88	55.6		25.1	85.1
90	90	17.6		0.0	47.7
51	51	30.4		0.6	60.6





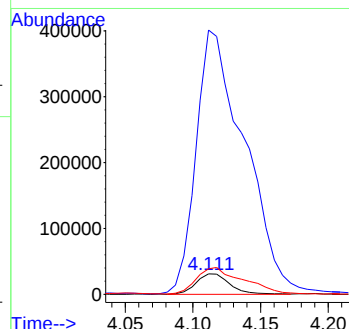
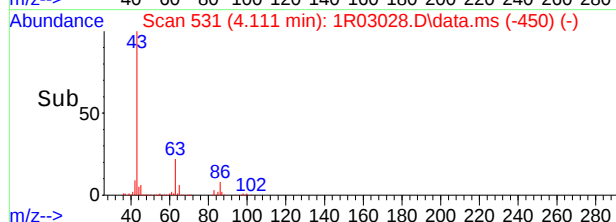
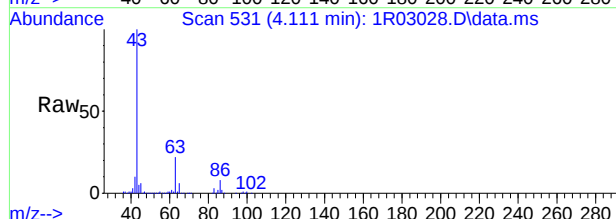
#31
acrylonitrile
Concen: 46.42 ug/L
RT: 3.698 min Scan# 463
Delta R.T. -0.006 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

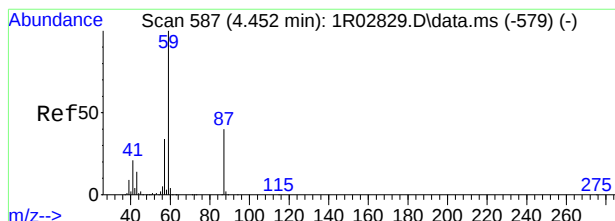
Tgt Ion:	53	Resp:	135464
Ion Ratio	Lower	Upper	
53	100		
52	80.4	49.6	109.6
51	36.9	6.3	66.3
50	9.5	0.0	38.1



#32
vinyl acetate
Concen: 52.91 ug/L
RT: 4.111 min Scan# 531
Delta R.T. -0.007 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

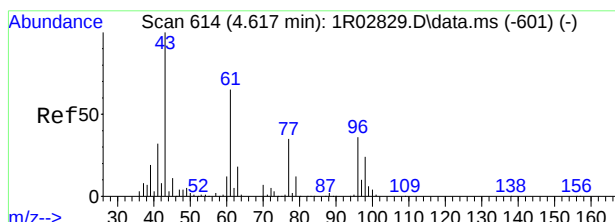
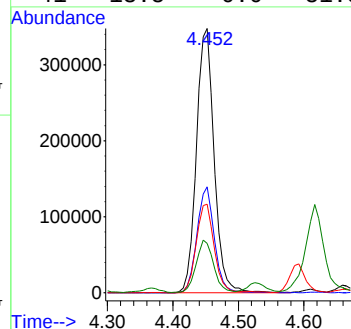
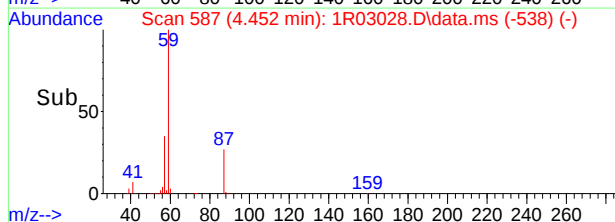
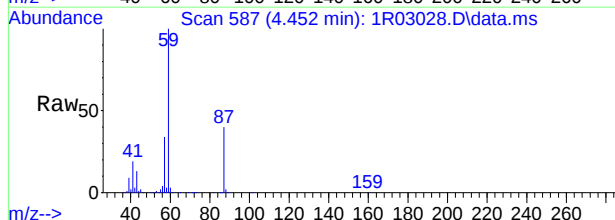
Tgt Ion:	86	Resp:	54411
Ion Ratio	Lower	Upper	
86	100		
43	1286.6	1351.3	1411.3#
42	123.2	101.0	161.0





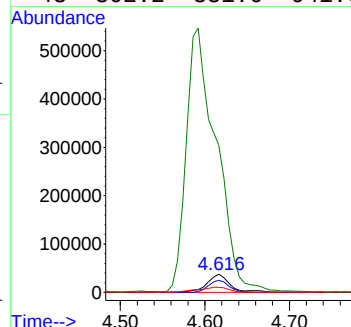
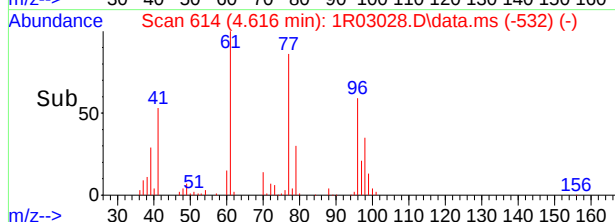
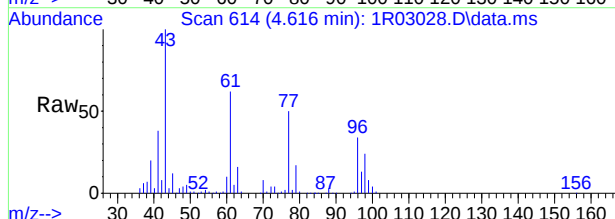
#33
ethyl tert-butyl ether
Concen: 51.97 ug/L
RT: 4.452 min Scan# 587
Delta R.T. 0.000 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

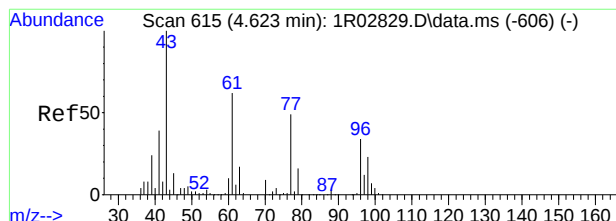
Tgt Ion	Ratio	Lower	Upper
59	100		
87	40.1	9.9	69.9
57	33.5	4.4	64.4
41	18.5	0.0	51.3



#34
ethyl acetate
Concen: 50.29 ug/L
RT: 4.616 min Scan# 614
Delta R.T. -0.001 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

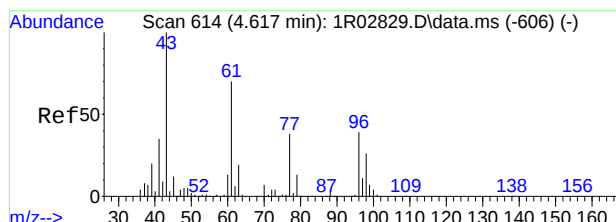
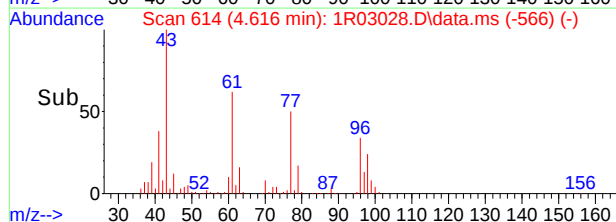
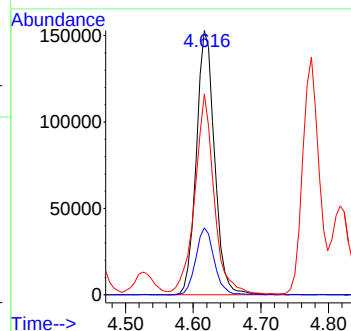
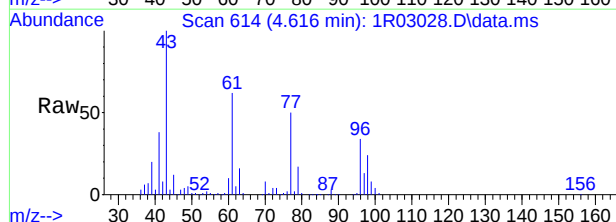
Tgt Ion	Ratio	Lower	Upper
45	100		
70	66.2	32.8	92.8
73	28.4	0.4	60.4
43	802.2	881.6	941.6#





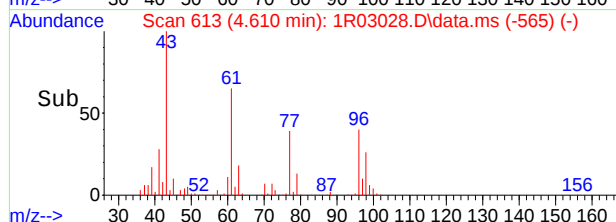
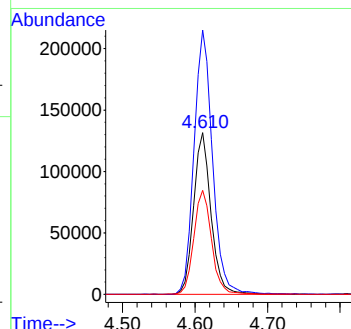
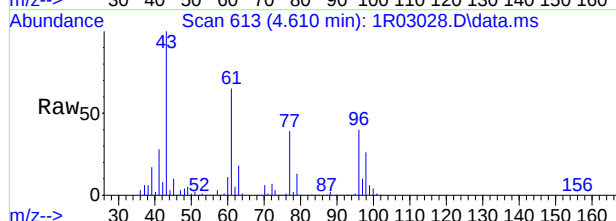
#35
2,2-dichloropropane
Concen: 51.93 ug/L
RT: 4.616 min Scan# 614
Delta R.T. -0.007 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

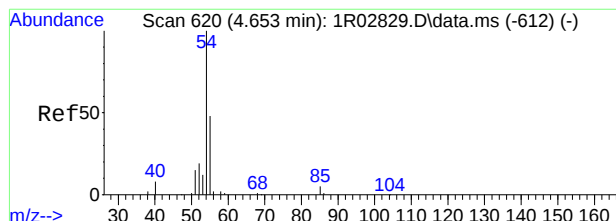
Tgt Ion	Ratio	Lower	Upper
77	100		
97	25.4	0.0	54.9
41	74.6	48.9	108.9



#36
cis-1,2-dichloroethene
Concen: 48.93 ug/L
RT: 4.610 min Scan# 613
Delta R.T. -0.007 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

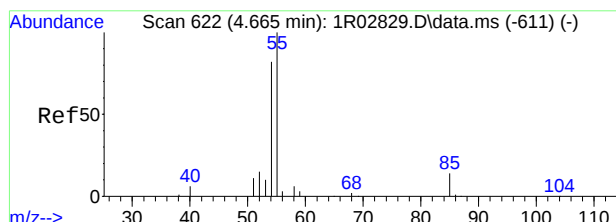
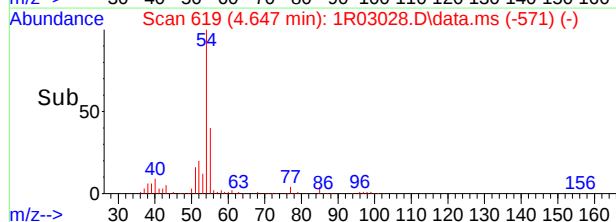
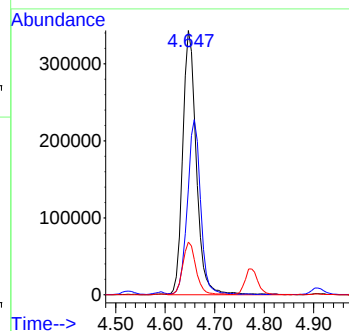
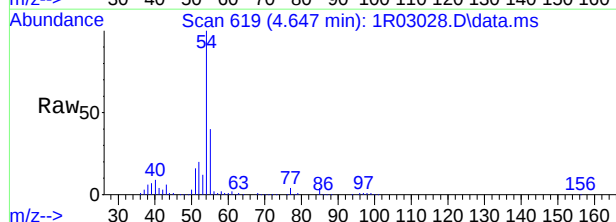
Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.6	151.5	211.5
98	64.2	36.9	96.9





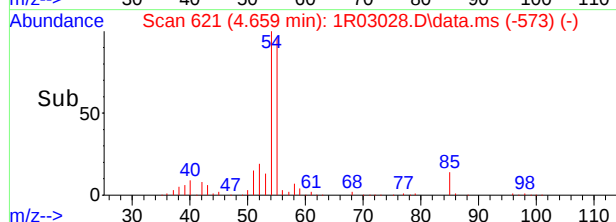
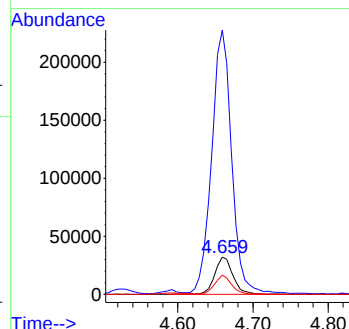
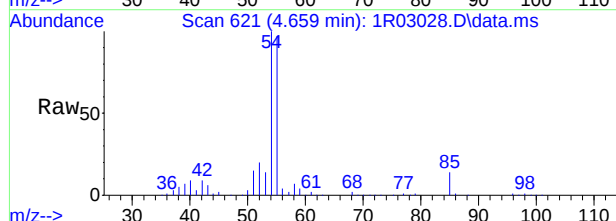
#37
propionitrile
Concen: 495.25 ug/L
RT: 4.647 min Scan# 619
Delta R.T. -0.006 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

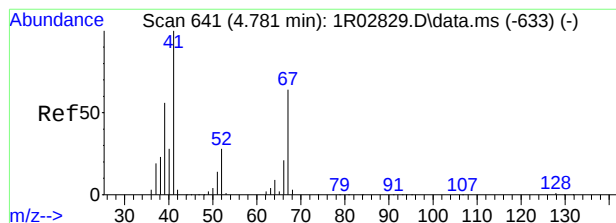
Tgt Ion	Ratio	Lower	Upper
54	100		
55	39.8	18.4	78.4
52	19.9	0.0	49.4



#38
methyl acrylate
Concen: 50.32 ug/L
RT: 4.659 min Scan# 621
Delta R.T. -0.006 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

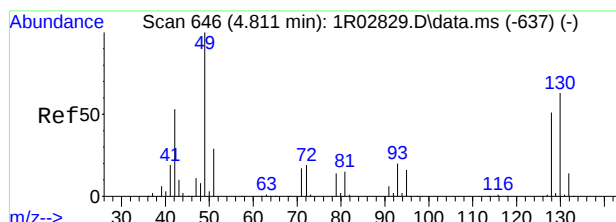
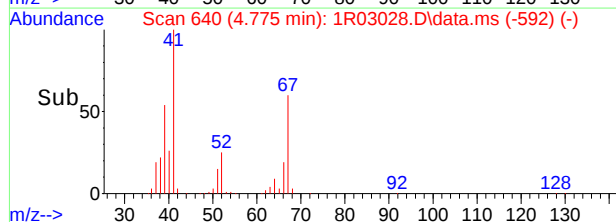
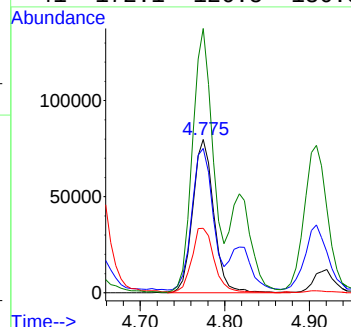
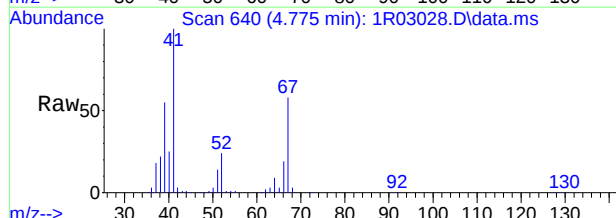
Tgt Ion	Ratio	Lower	Upper
85	100		
55	706.9	692.7	732.7
58	51.7	23.8	63.8





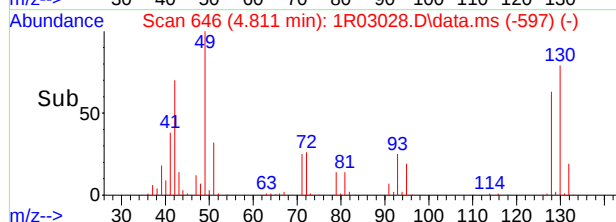
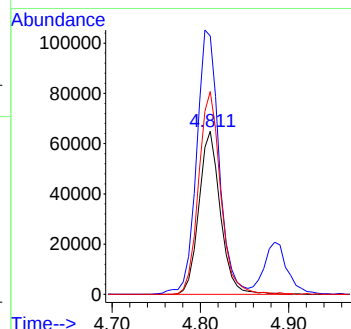
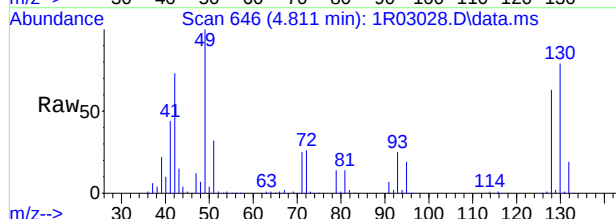
#39
methacrylonitrile
Concen: 48.21 ug/L
RT: 4.775 min Scan# 640
Delta R.T. -0.006 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

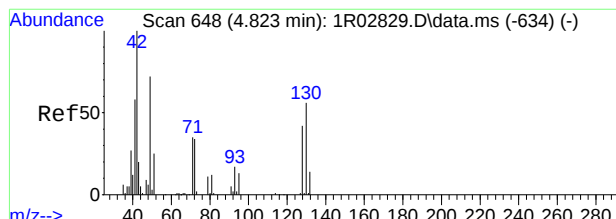
Tgt Ion:	67	Resp:	138167
Ion	Ratio	Lower	Upper
67	100		
39	92.4	57.2	117.2
52	41.8	14.4	74.4
41	172.1	126.5	186.5



#40
bromochloromethane
Concen: 51.70 ug/L
RT: 4.811 min Scan# 646
Delta R.T. 0.000 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

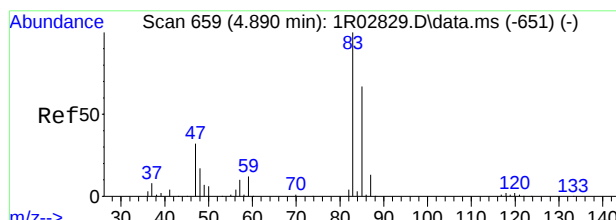
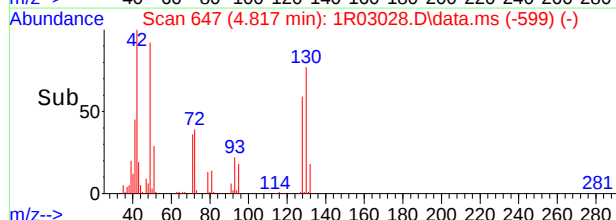
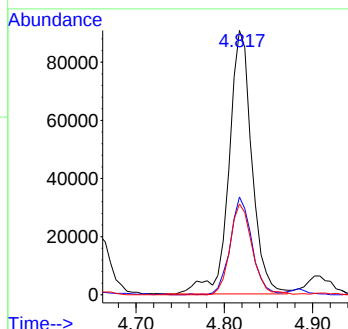
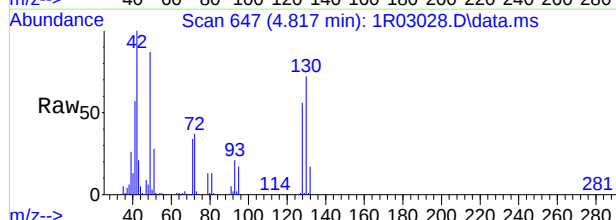
Tgt Ion:	128	Resp:	109973
Ion	Ratio	Lower	Upper
128	100		
49	156.2	167.6	227.6#
130	124.4	94.5	154.5





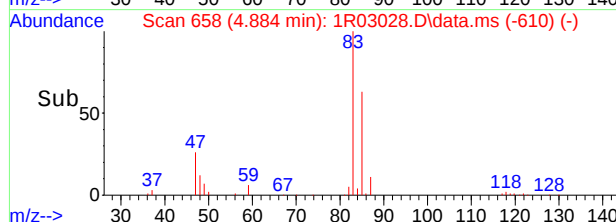
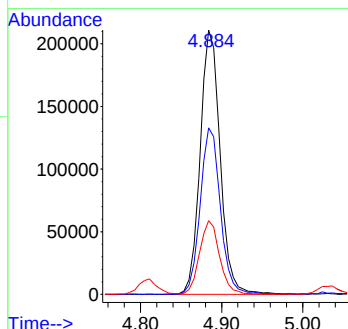
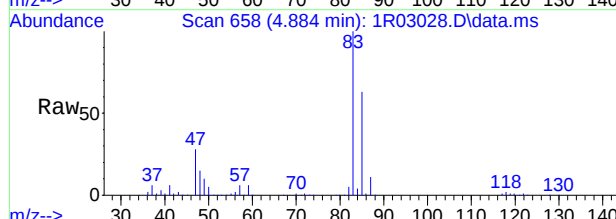
#41
tetrahydrofuran
Concen: 45.91 ug/L
RT: 4.817 min Scan# 647
Delta R.T. -0.006 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

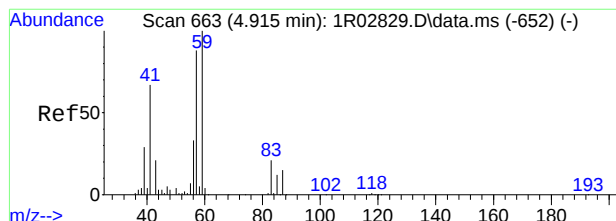
Tgt Ion	Ratio	Lower	Upper
42	100		
72	37.0	3.7	63.7
71	34.5	5.4	65.4



#42
chloroform
Concen: 49.04 ug/L
RT: 4.884 min Scan# 658
Delta R.T. -0.006 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

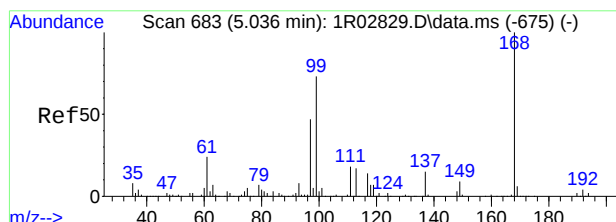
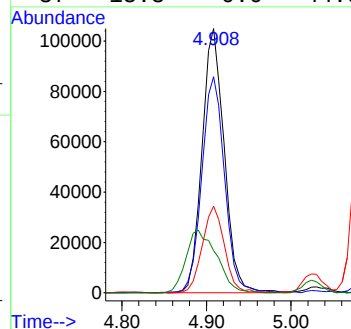
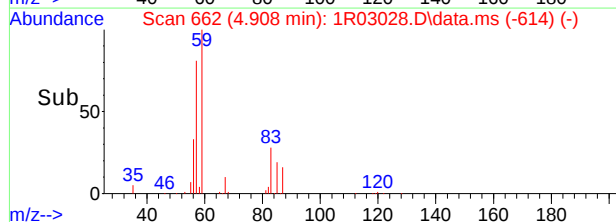
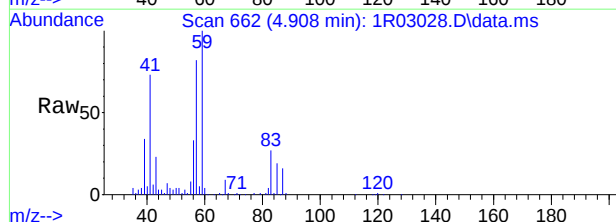
Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.9	36.6	96.6
47	27.9	2.5	62.5





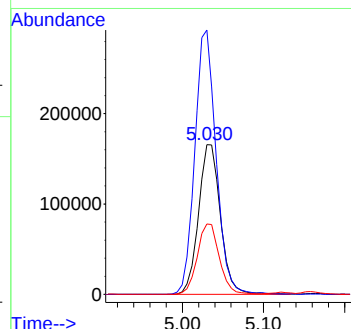
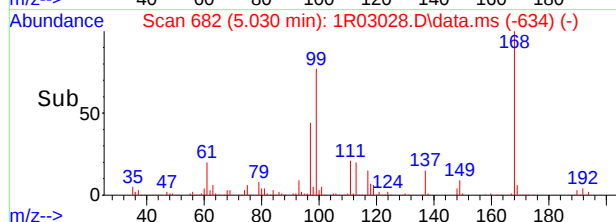
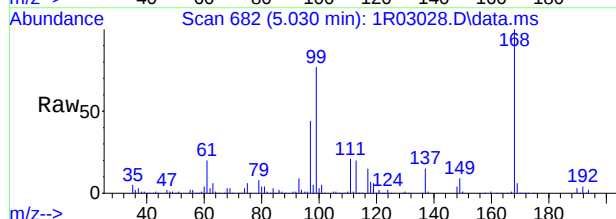
#43
tert-Butyl Formate
Concen: 47.67 ug/L
RT: 4.908 min Scan# 662
Delta R.T. -0.007 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

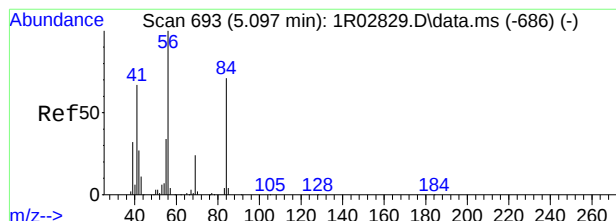
Tgt Ion:	59	Resp:	191559
Ion Ratio	Lower	Upper	
59	100		
57	81.5	57.8	117.8
56	32.8	2.6	62.6
87	15.8	0.0	44.9



#45
1,1,1-trichloroethane
Concen: 48.99 ug/L
RT: 5.030 min Scan# 682
Delta R.T. -0.006 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

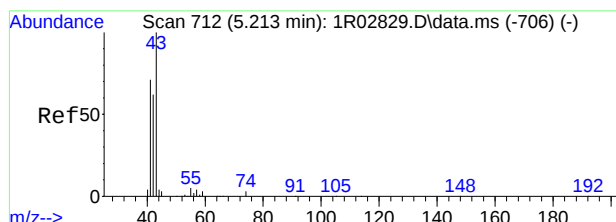
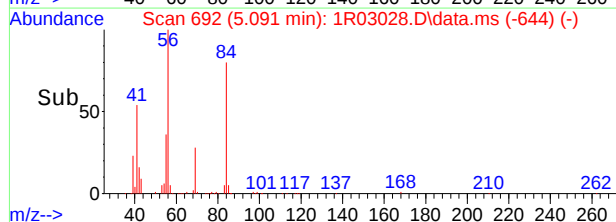
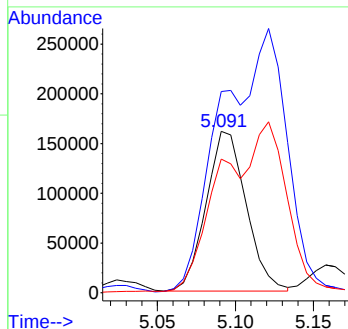
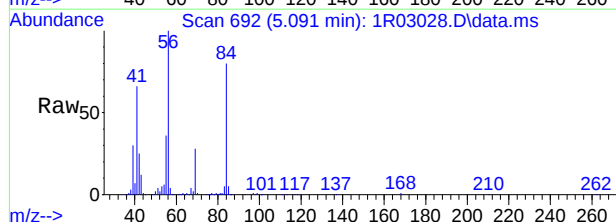
Tgt Ion:	97	Resp:	311462
Ion Ratio	Lower	Upper	
97	100		
99	176.5	125.4	185.4
61	46.9	21.5	81.5





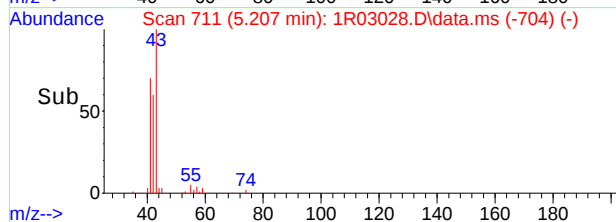
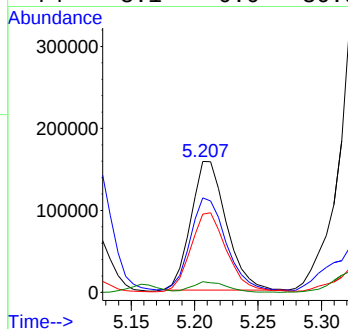
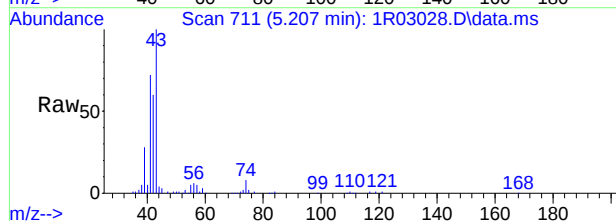
#46
cyclohexane
Concen: 48.64 ug/L
RT: 5.091 min Scan# 692
Delta R.T. -0.006 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

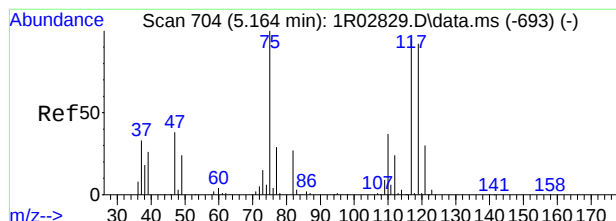
Tgt Ion: 84 Resp: 287048
Ion Ratio Lower Upper
84 100
56 125.0 110.2 170.2
41 82.7 64.4 124.4



#47
isobutyl alcohol
Concen: 563.02 ug/L
RT: 5.207 min Scan# 711
Delta R.T. -0.006 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

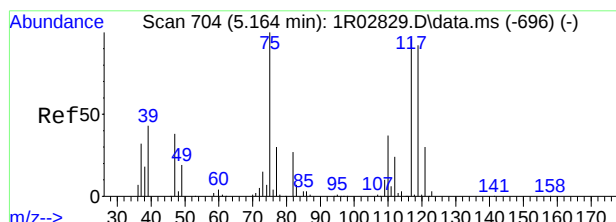
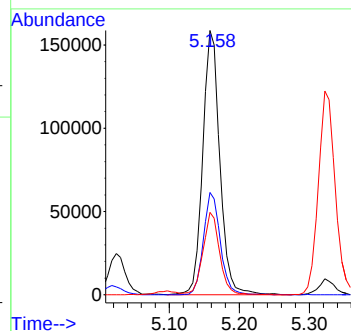
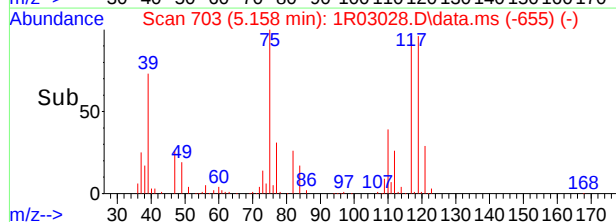
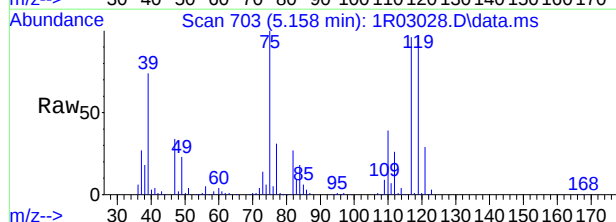
Tgt Ion: 43 Resp: 303681
Ion Ratio Lower Upper
43 100
41 71.9 41.5 101.5
42 59.9 32.0 92.0
74 8.1 0.0 36.9





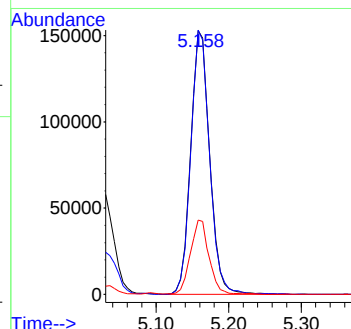
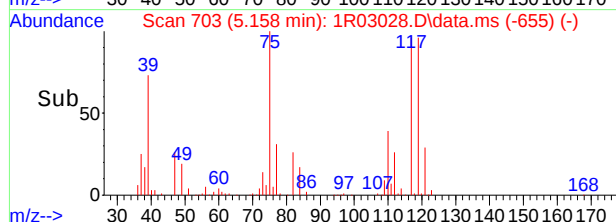
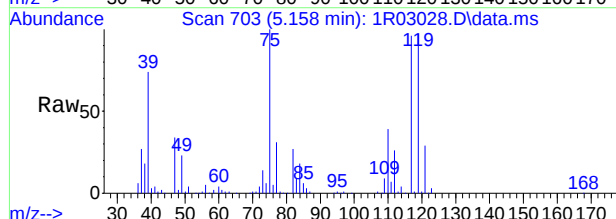
#48
1,1-dichloropropene
Concen: 50.55 ug/L
RT: 5.158 min Scan# 703
Delta R.T. -0.006 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

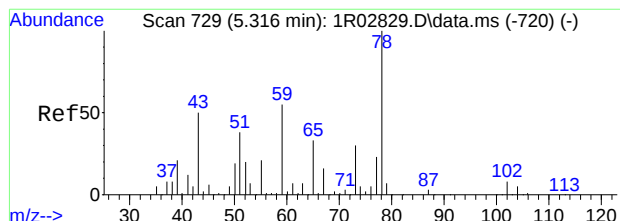
Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.7	16.6	56.6
77	31.2	10.2	50.2



#49
carbon tetrachloride
Concen: 52.41 ug/L
RT: 5.158 min Scan# 703
Delta R.T. -0.006 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

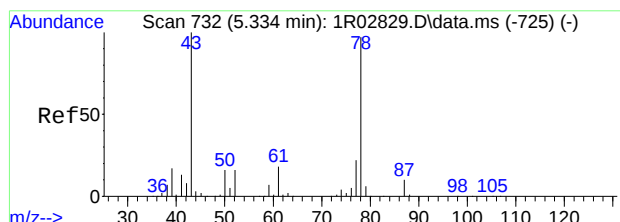
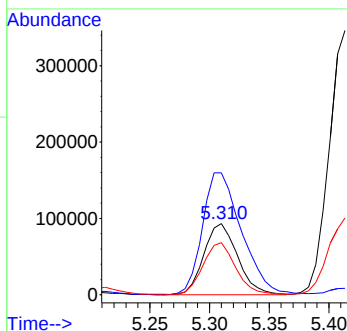
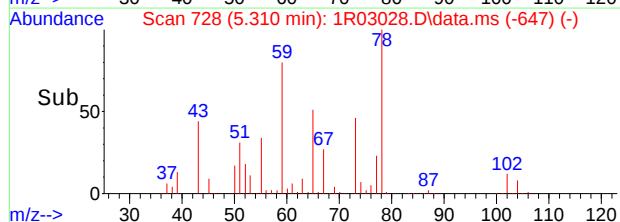
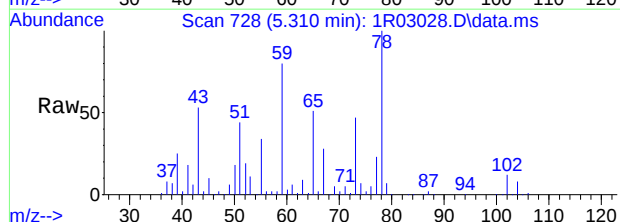
Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.3	76.3	116.3
82	28.2	0.0	58.8





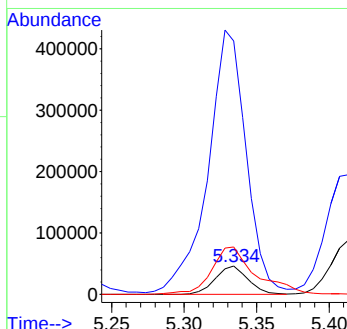
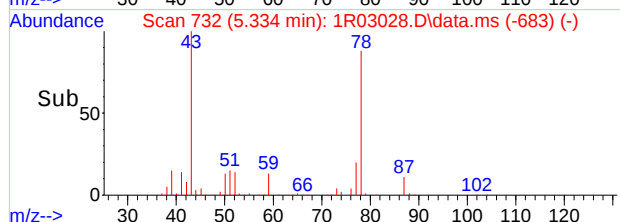
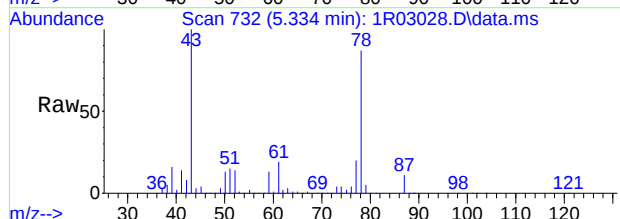
#50
tert-amyl alcohol
Concen: 286.03 ug/L
RT: 5.310 min Scan# 728
Delta R.T. -0.006 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

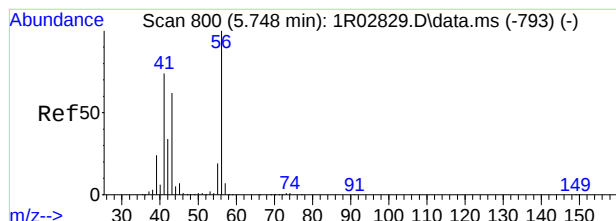
Tgt Ion	Ratio	Lower	Upper
73	100		
59	171.5	161.2	201.2
55	72.5	38.8	98.8



#51
isopropyl acetate
Concen: 51.14 ug/L
RT: 5.334 min Scan# 732
Delta R.T. 0.000 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

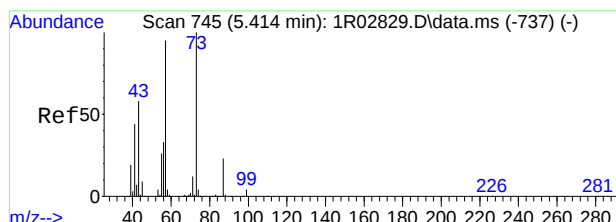
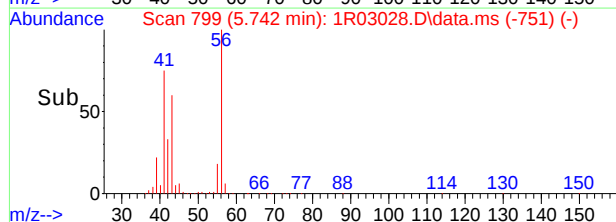
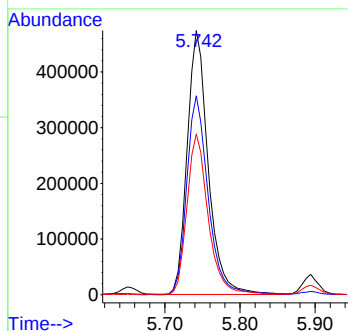
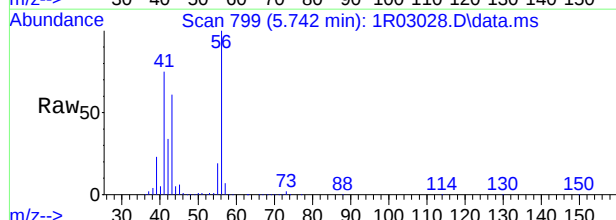
Tgt Ion	Ratio	Lower	Upper
87	100		
43	873.0	982.5	1042.5#
61	163.8	145.1	205.1





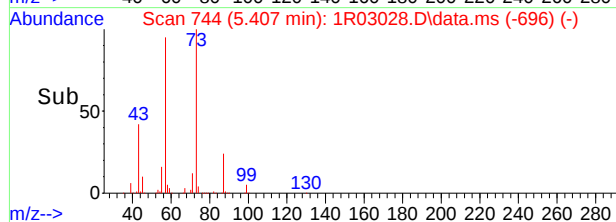
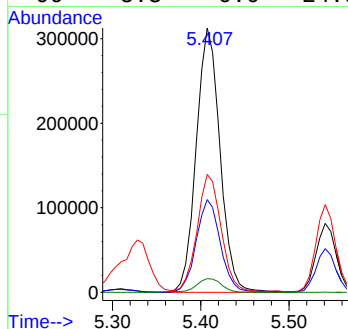
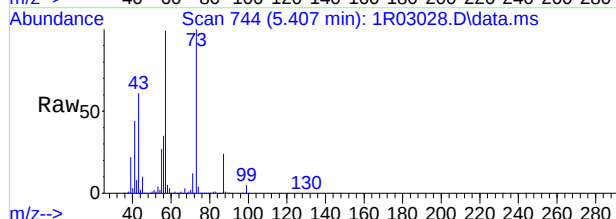
#54
n-butyl alcohol
Concen: 2521.54 ug/L
RT: 5.742 min Scan# 799
Delta R.T. -0.006 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

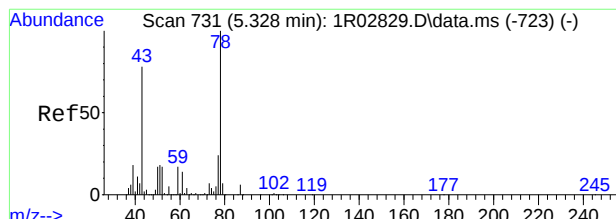
Tgt Ion: 56 Resp: 922127
Ion Ratio Lower Upper
56 100
41 75.2 44.1 104.1
43 60.9 32.2 92.2



#55
2,2,4-trimethylpentane
Concen: 43.50 ug/L
RT: 5.407 min Scan# 744
Delta R.T. -0.007 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

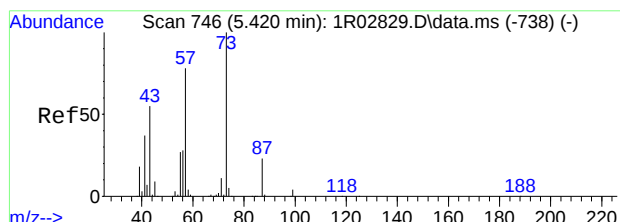
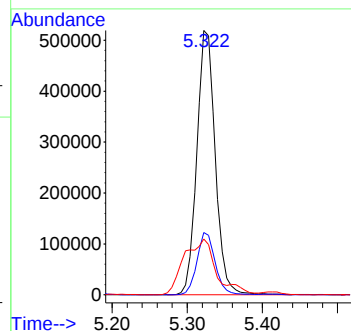
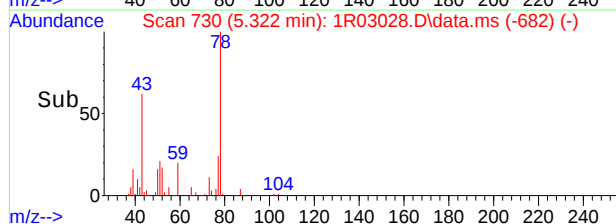
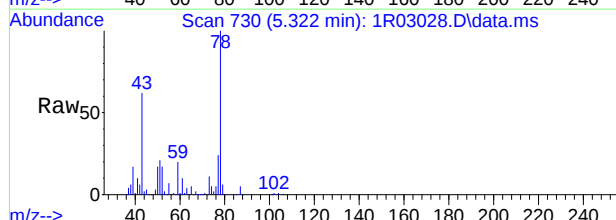
Tgt Ion: 57 Resp: 587864
Ion Ratio Lower Upper
57 100
56 35.1 5.1 65.1
41 44.2 17.1 77.1
99 5.3 0.0 24.9





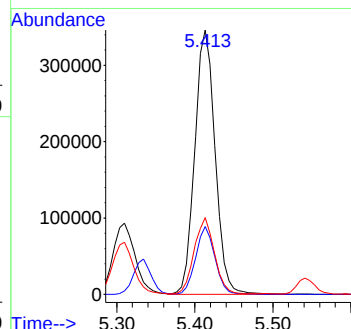
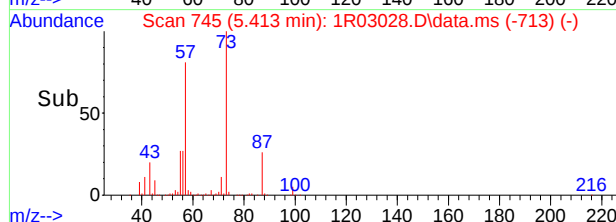
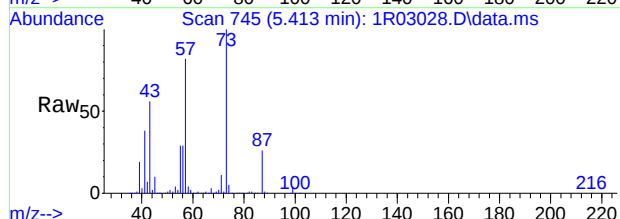
#56
benzene
Concen: 46.07 ug/L
RT: 5.322 min Scan# 730
Delta R.T. -0.006 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

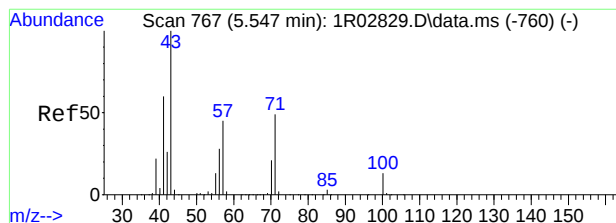
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	0.0	53.6
51	21.0	0.0	49.7



#57
tert-amyl methyl ether
Concen: 45.90 ug/L
RT: 5.413 min Scan# 745
Delta R.T. -0.007 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

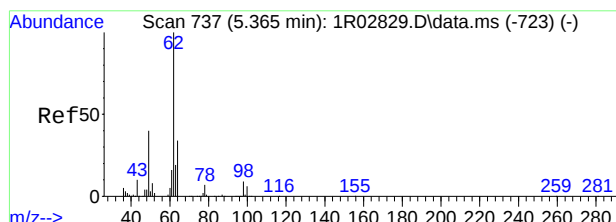
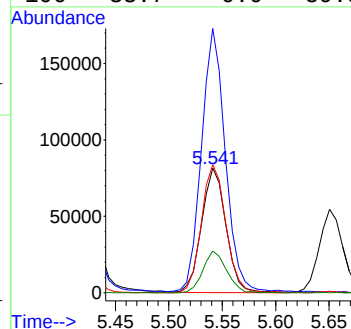
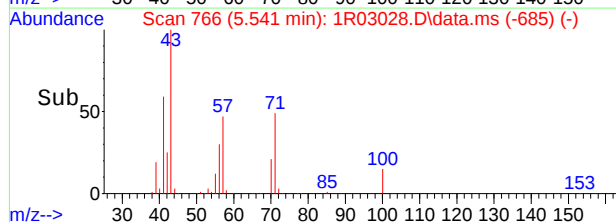
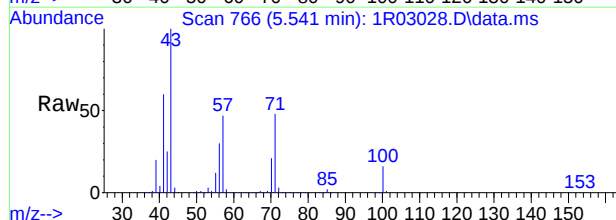
Tgt Ion	Ratio	Lower	Upper
73	100		
87	25.6	0.0	52.5
55	28.8	0.0	56.5





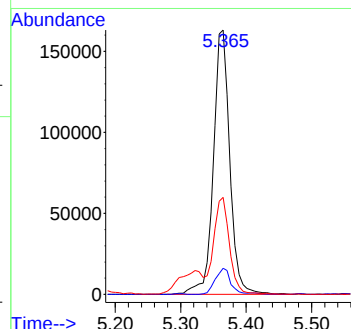
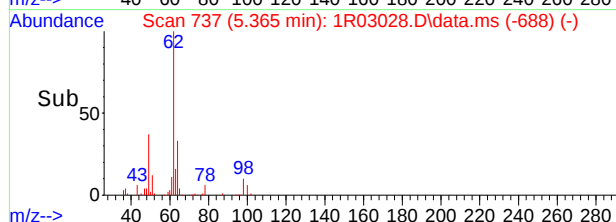
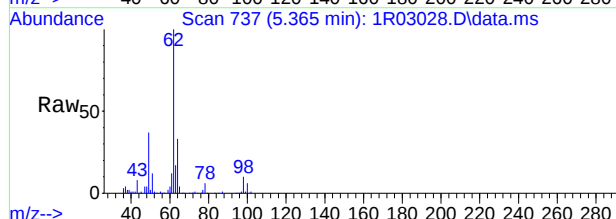
#58
heptane
Concen: 42.57 ug/L
RT: 5.541 min Scan# 766
Delta R.T. -0.006 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

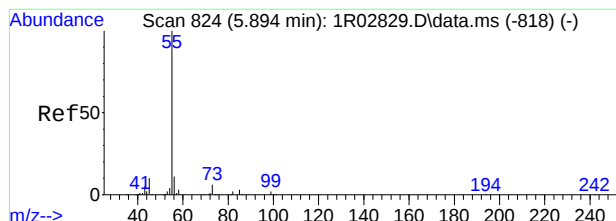
Tgt Ion	Ratio	Lower	Upper
57	100		
43	211.9	192.0	252.0
71	103.1	79.6	139.6
100	33.7	0.0	59.8



#59
1,2-dichloroethane
Concen: 46.49 ug/L
RT: 5.365 min Scan# 737
Delta R.T. -0.000 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

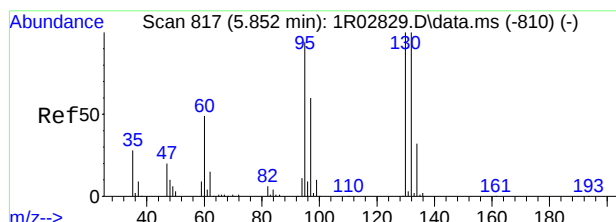
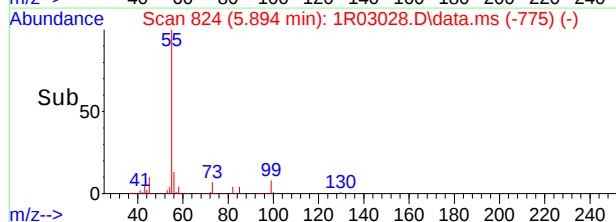
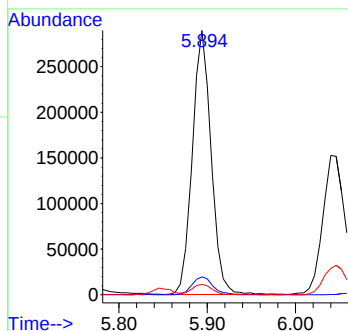
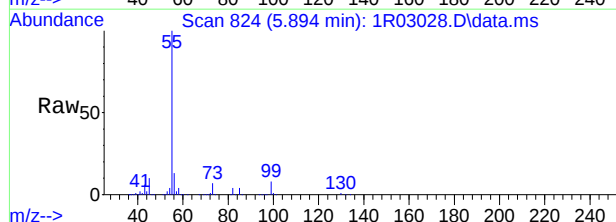
Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	39.4
49	36.6	10.2	70.2





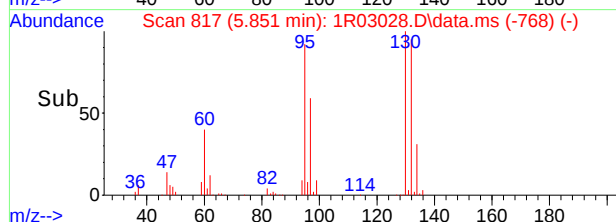
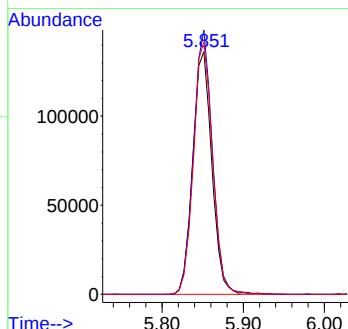
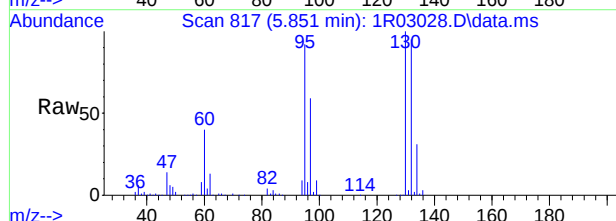
#60
ethyl acrylate
Concen: 43.34 ug/L
RT: 5.894 min Scan# 824
Delta R.T. -0.000 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

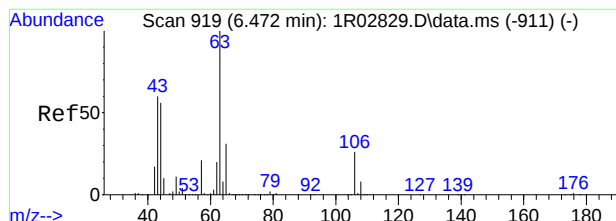
Tgt Ion	Ratio	Lower	Upper
55	100		
73	6.8	0.0	26.4
82	4.0	0.0	24.2



#61
trichloroethene
Concen: 45.88 ug/L
RT: 5.851 min Scan# 817
Delta R.T. -0.001 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

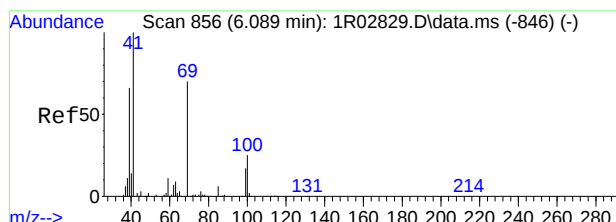
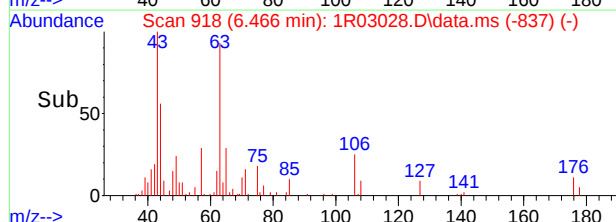
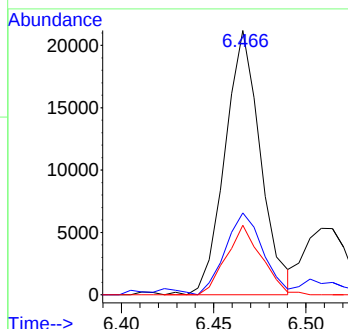
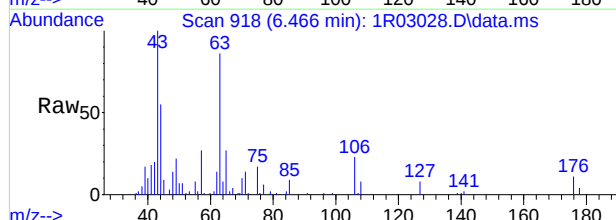
Tgt Ion	Ratio	Lower	Upper
95	100		
130	109.0	76.7	136.7
132	104.0	76.3	136.3





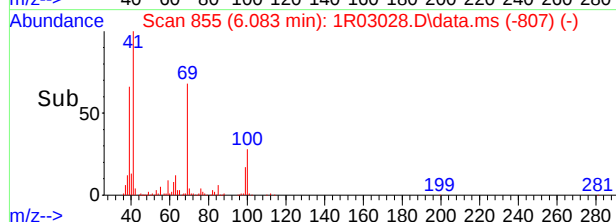
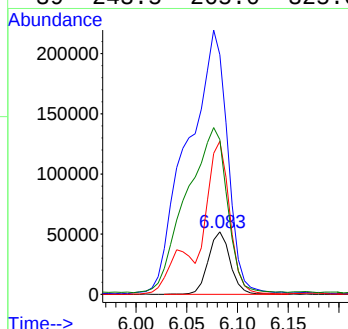
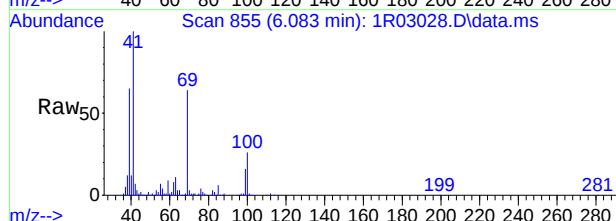
#62
2-chloroethyl vinyl ether
Concen: 6.84 ug/L
RT: 6.466 min Scan# 918
Delta R.T. -0.006 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

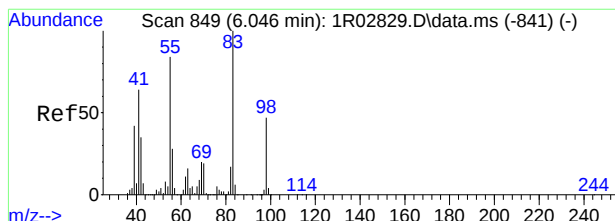
Tgt Ion	Ratio	Resp	Lower	Upper
63	100	28495		
65	28.8		0.8	60.8
106	26.3		0.0	56.0



#63
methyl methacrylate
Concen: 47.77 ug/L
RT: 6.083 min Scan# 855
Delta R.T. -0.006 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

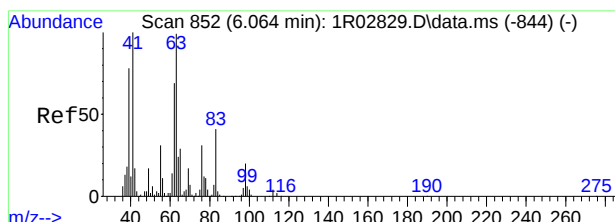
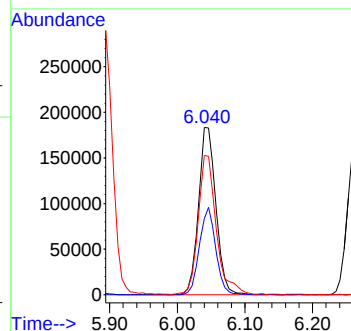
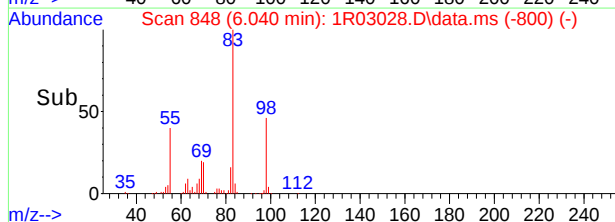
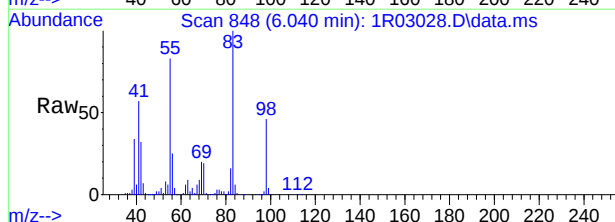
Tgt Ion	Ratio	Resp	Lower	Upper
100	100	78248		
41	380.4		418.7	478.7#
69	243.7		261.7	321.7#
39	243.5		265.0	325.0#





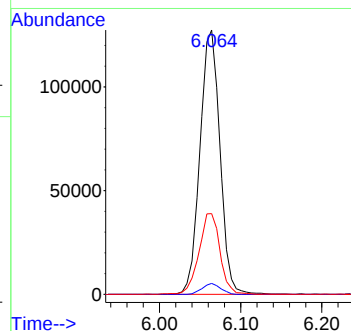
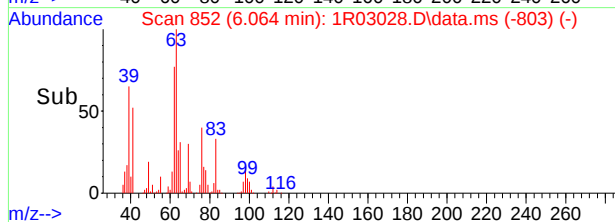
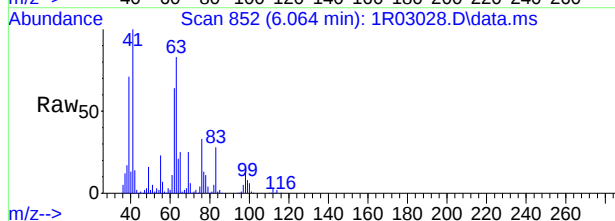
#64
methylcyclohexane
Concen: 42.73 ug/L
RT: 6.040 min Scan# 848
Delta R.T. -0.006 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

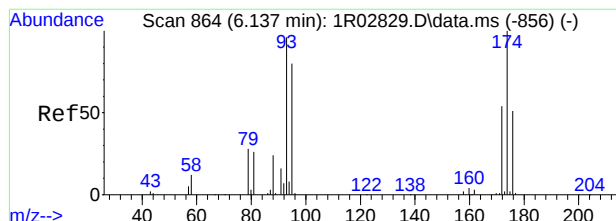
Tgt Ion: 83 Resp: 328010
Ion Ratio Lower Upper
83 100
98 45.6 27.4 67.4
55 82.9 63.7 103.7



#65
1,2-dichloropropane
Concen: 41.27 ug/L
RT: 6.064 min Scan# 852
Delta R.T. 0.000 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

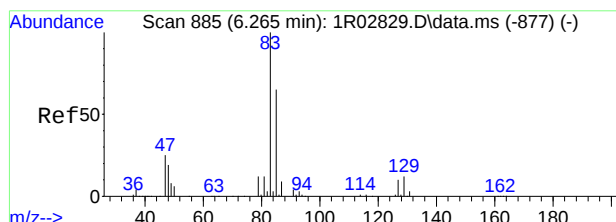
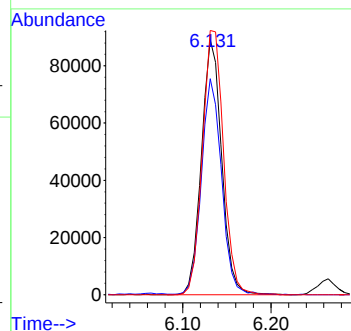
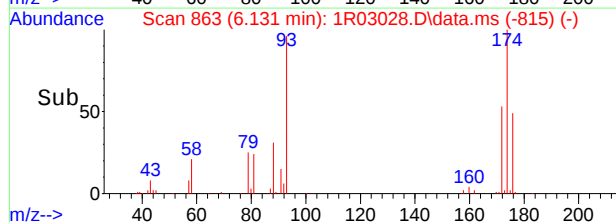
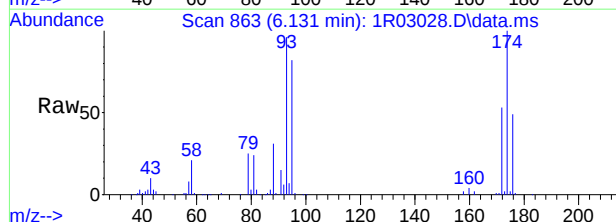
Tgt Ion: 63 Resp: 218300
Ion Ratio Lower Upper
63 100
112 4.2 0.0 33.6
65 30.5 0.0 59.5





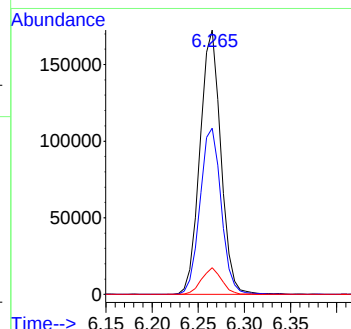
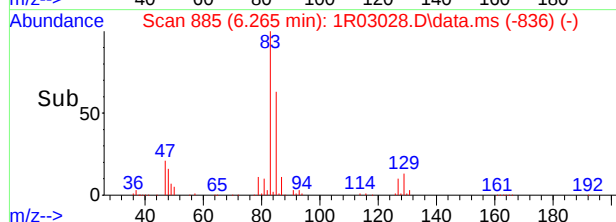
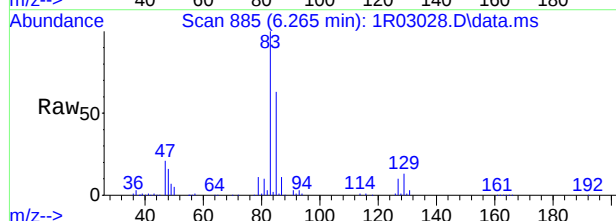
#66
dibromomethane
Concen: 43.72 ug/L
RT: 6.131 min Scan# 863
Delta R.T. -0.006 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

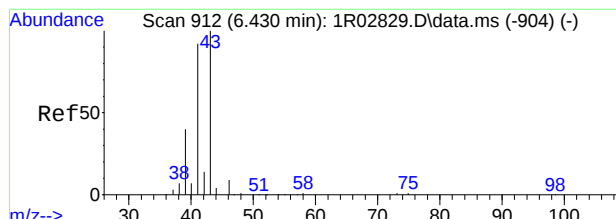
Tgt Ion: 93 Resp: 142926
Ion Ratio Lower Upper
93 100
95 84.8 53.3 113.3
174 103.7 73.7 133.7



#67
bromodichloromethane
Concen: 46.70 ug/L
RT: 6.265 min Scan# 885
Delta R.T. 0.000 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

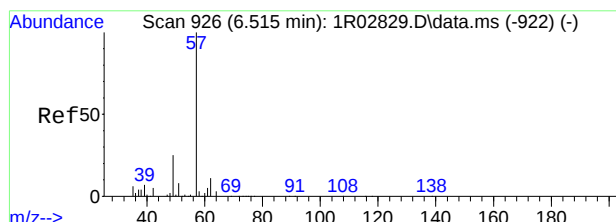
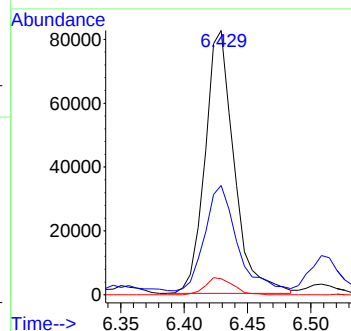
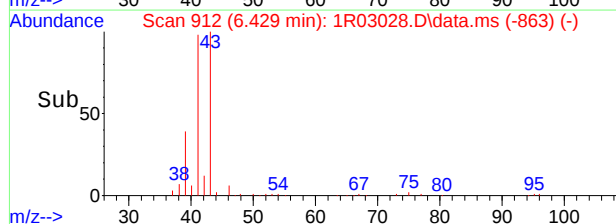
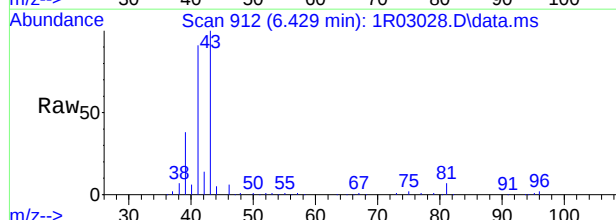
Tgt Ion: 83 Resp: 272149
Ion Ratio Lower Upper
83 100
85 62.9 35.3 95.3
127 10.1 0.0 39.5





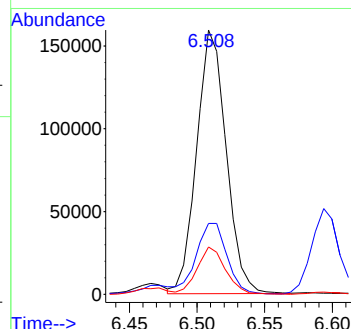
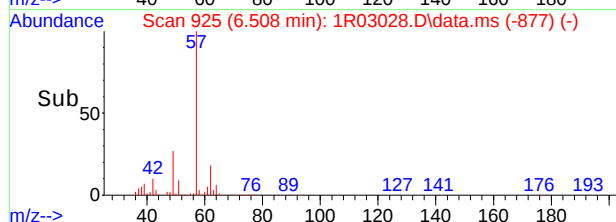
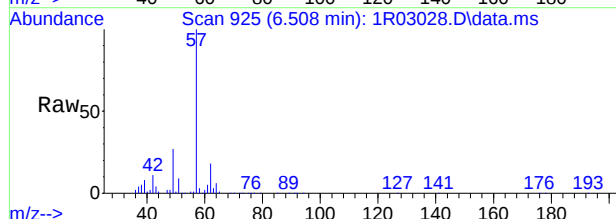
#68
2-nitropropane
Concen: 47.76 ug/L
RT: 6.429 min Scan# 912
Delta R.T. -0.001 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

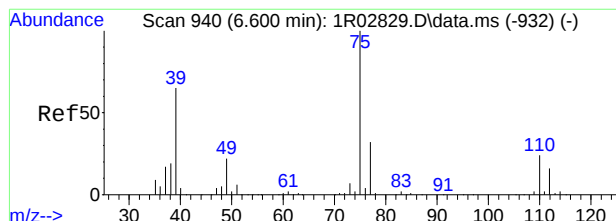
Tgt Ion	Ratio	Resp Lower	Upper
41	100		
39	39.9	12.7	72.7
46	6.1	0.0	39.3



#69
epichlorohydrin
Concen: 243.83 ug/L
RT: 6.508 min Scan# 925
Delta R.T. -0.007 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

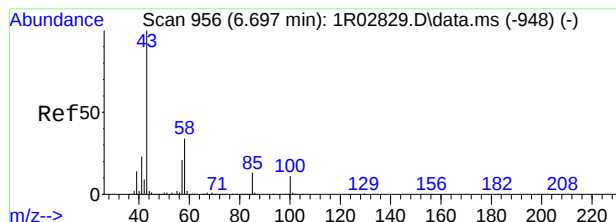
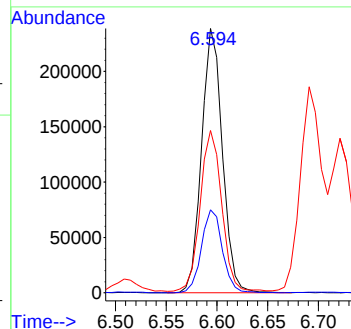
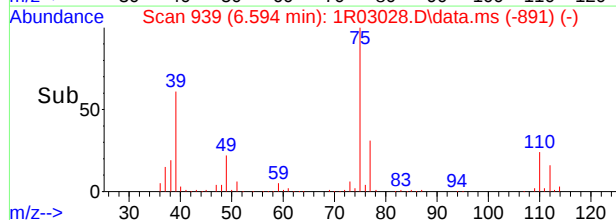
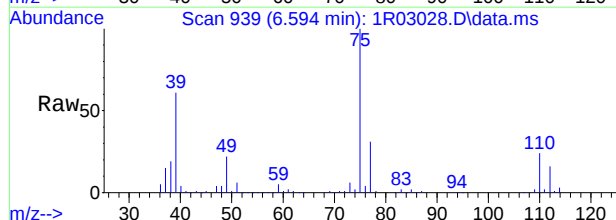
Tgt Ion	Ratio	Resp Lower	Upper
57	100		
49	26.1	0.0	58.1
62	18.0	0.0	47.9





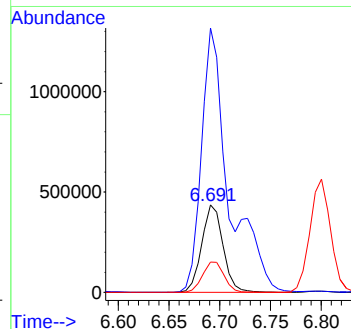
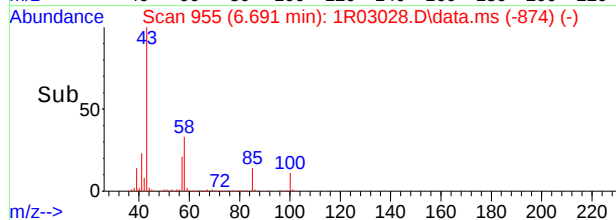
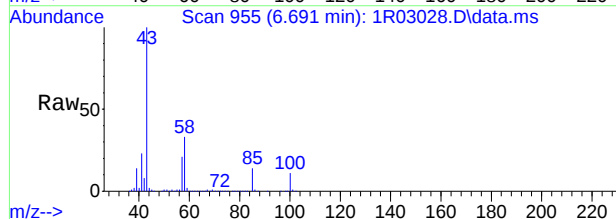
#70
cis-1,3-dichloropropene
Concen: 45.53 ug/L
RT: 6.594 min Scan# 939
Delta R.T. -0.006 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

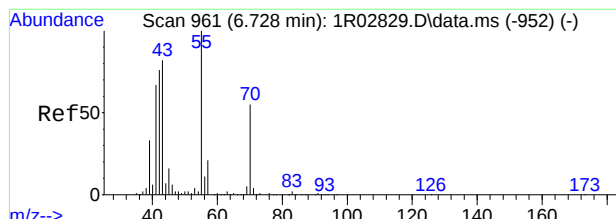
Tgt Ion:	75	Resp:	341417
Ion Ratio	Lower	Upper	
75	100		
77	31.4	2.1	62.1
39	60.9	34.8	94.8



#71
4-methyl-2-pentanone
Concen: 175.28 ug/L
RT: 6.691 min Scan# 955
Delta R.T. -0.006 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

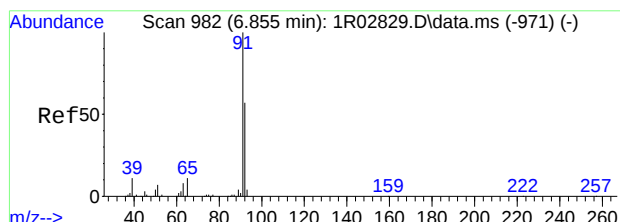
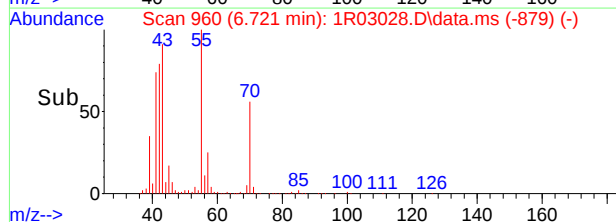
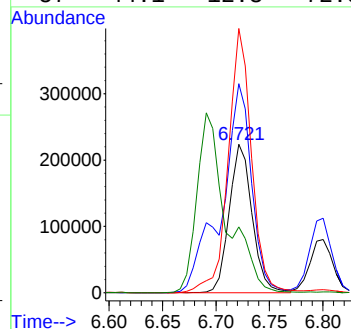
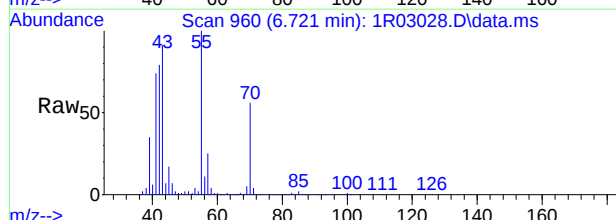
Tgt Ion:	58	Resp:	639812
Ion Ratio	Lower	Upper	
58	100		
43	302.0	262.0	322.0
100	34.6	3.3	63.3





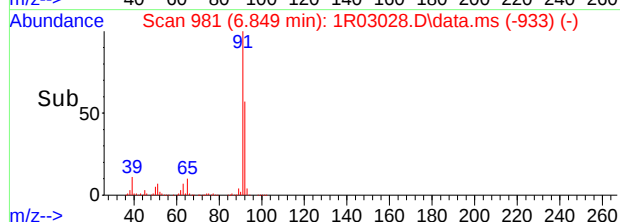
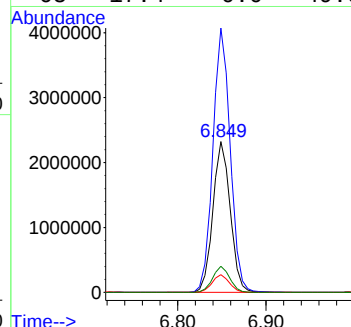
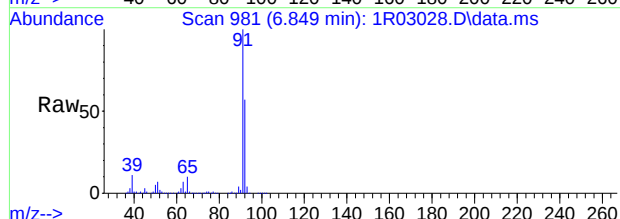
#72
isoamyl alcohol
Concen: 983.67 ug/L
RT: 6.721 min Scan# 960
Delta R.T. -0.007 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

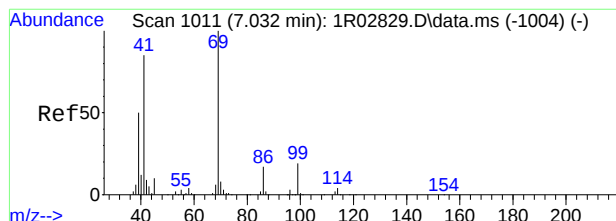
Tgt Ion:	70	Resp:	334473
Ion	Ratio	Lower	Upper
70	100		
42	140.5	108.4	168.4
55	177.8	150.6	210.6
57	44.1	12.3	72.3



#75
toluene
Concen: 256.39 ug/L
RT: 6.849 min Scan# 981
Delta R.T. -0.006 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

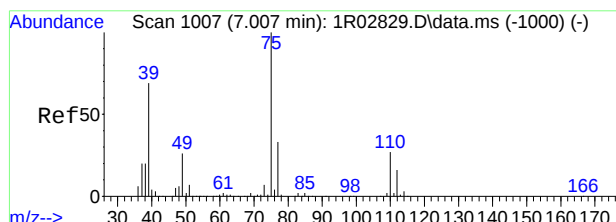
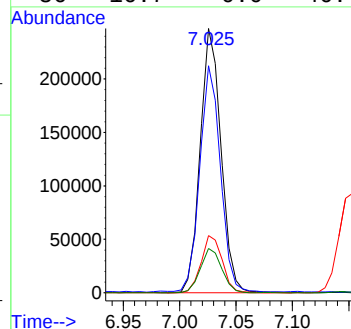
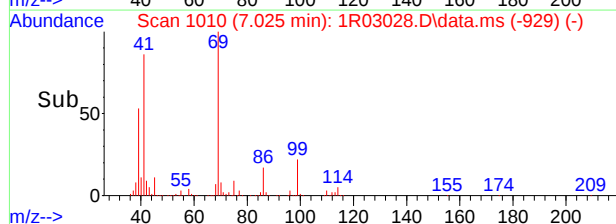
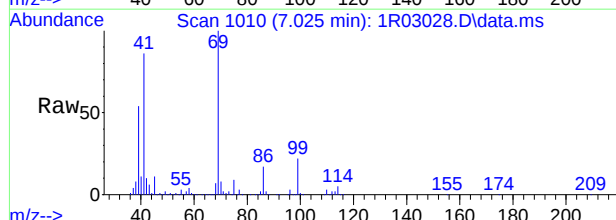
Tgt Ion:	92	Resp:	3172100
Ion	Ratio	Lower	Upper
92	100		
91	175.4	155.7	195.7
51	11.7	0.0	43.1
65	17.4	0.0	49.0





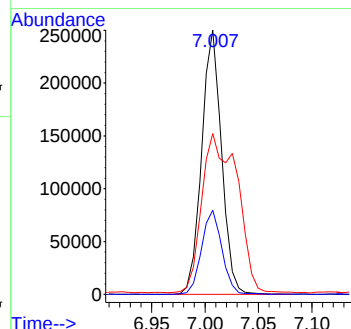
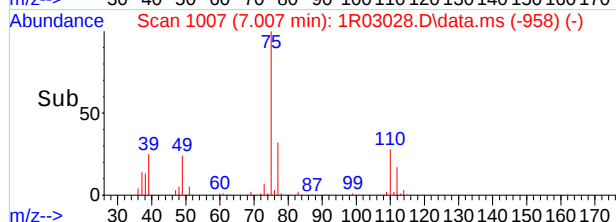
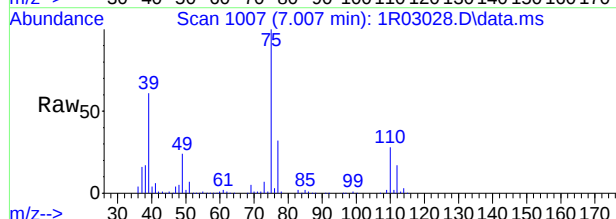
#76
ethyl methacrylate
Concen: 47.09 ug/L
RT: 7.025 min Scan# 1010
Delta R.T. -0.007 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

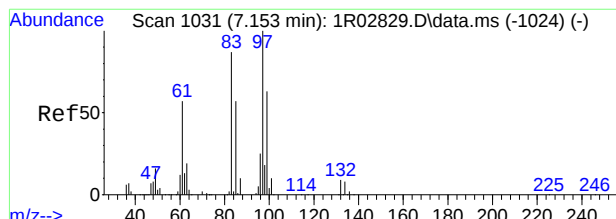
Tgt Ion	Ratio	Lower	Upper
69	100		
41	85.5	65.8	105.8
99	21.6	0.0	39.3
86	16.7	0.0	46.7



#77
trans-1,3-dichloropropene
Concen: 49.13 ug/L
RT: 7.007 min Scan# 1007
Delta R.T. 0.000 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

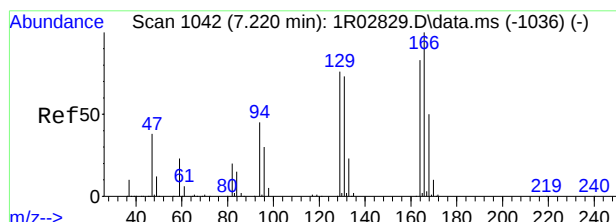
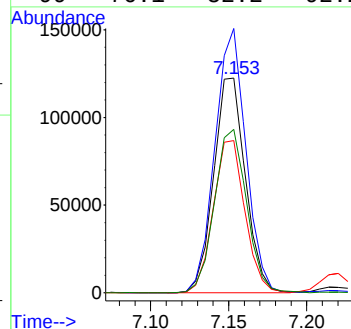
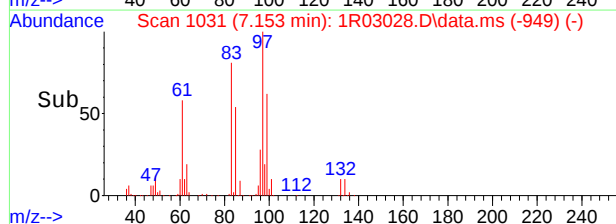
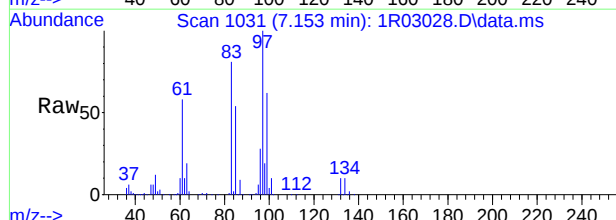
Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	12.7	52.7
39	60.2	39.0	99.0





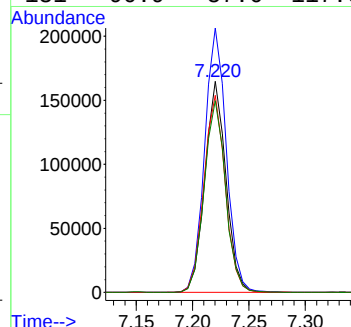
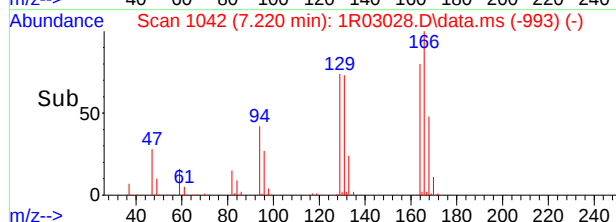
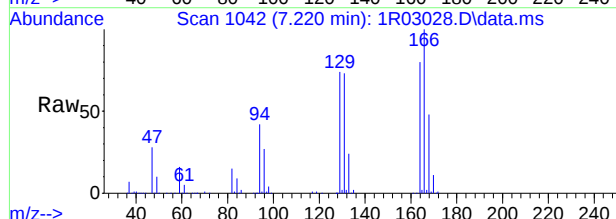
#78
1,1,2-trichloroethane
Concen: 44.73 ug/L
RT: 7.153 min Scan# 1031
Delta R.T. 0.000 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

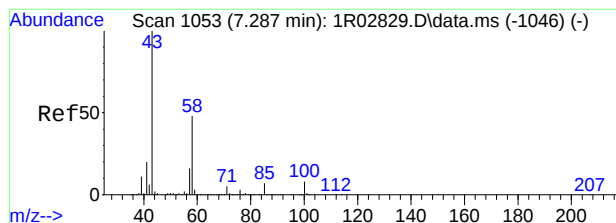
Tgt Ion:	83	Resp:	173043
Ion	Ratio	Lower	Upper
83	100		
97	123.1	95.6	135.6
61	70.9	46.3	86.3
99	76.1	52.2	92.2



#79
tetrachloroethene
Concen: 43.96 ug/L
RT: 7.220 min Scan# 1042
Delta R.T. 0.000 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

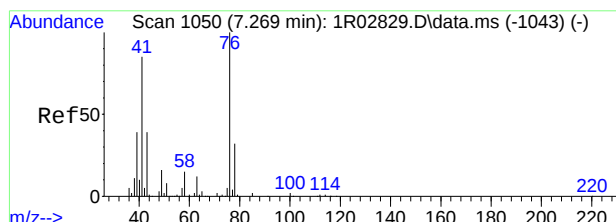
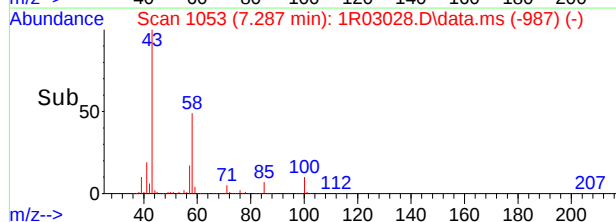
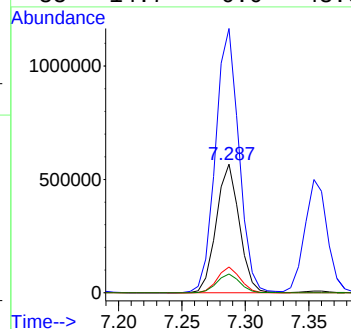
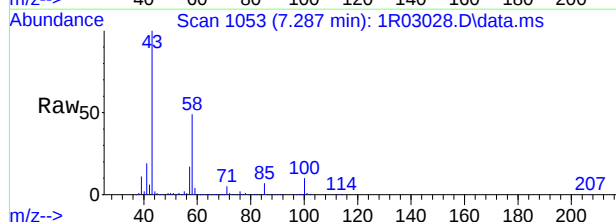
Tgt Ion:	164	Resp:	214223
Ion	Ratio	Lower	Upper
164	100		
166	125.3	90.9	150.9
129	93.4	61.6	121.6
131	90.9	57.6	117.6





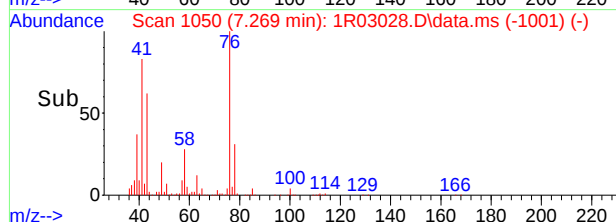
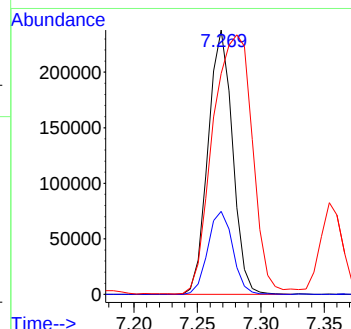
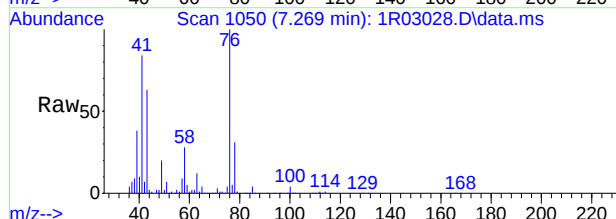
#80
2-hexanone
Concen: 183.51 ug/L
RT: 7.287 min Scan# 1053
Delta R.T. 0.000 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

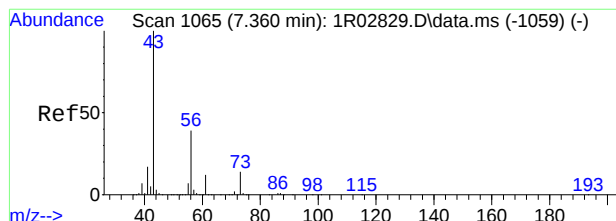
Tgt Ion	Ratio	Lower	Upper
58	100		
43	205.4	189.4	229.4
100	20.2	0.0	37.4
85	14.7	0.0	43.6



#81
1,3-dichloropropane
Concen: 46.22 ug/L
RT: 7.269 min Scan# 1050
Delta R.T. -0.000 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

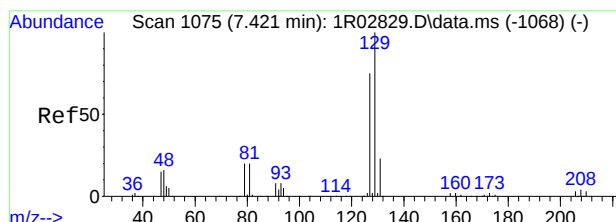
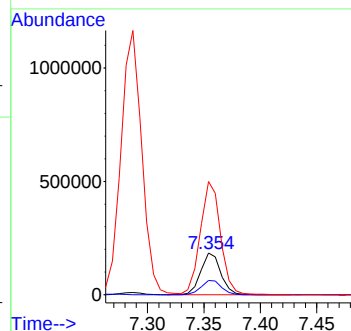
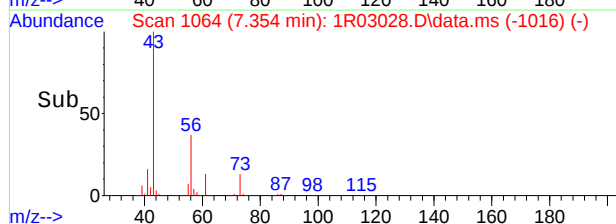
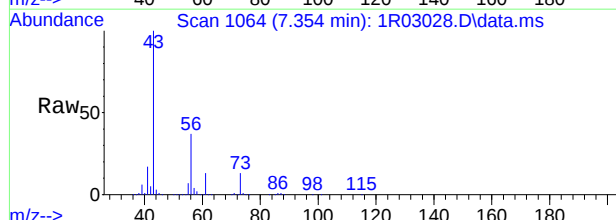
Tgt Ion	Ratio	Lower	Upper
76	100		
78	31.4	2.0	62.0
41	83.2	55.0	115.0





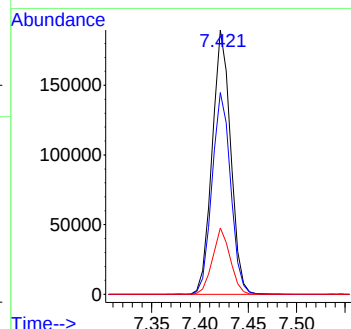
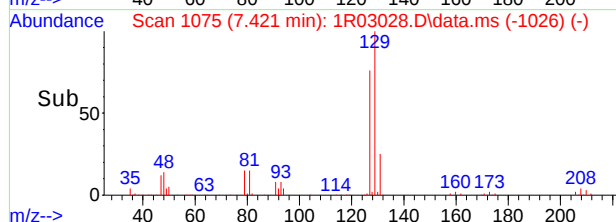
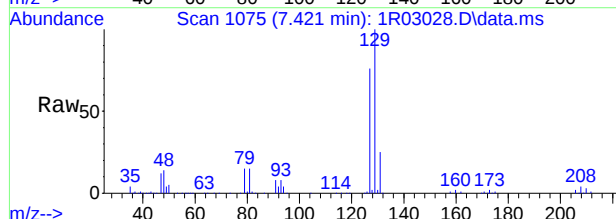
#82
butyl acetate
Concen: 44.66 ug/L
RT: 7.354 min Scan# 1064
Delta R.T. -0.006 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

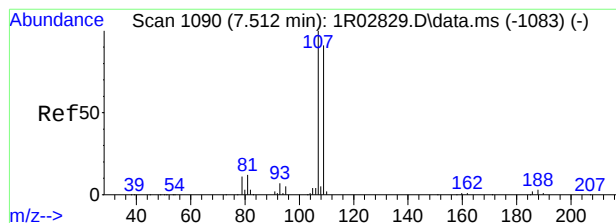
Tgt Ion: 56 Resp: 228657
Ion Ratio Lower Upper
56 100
73 34.2 5.7 65.7
43 270.2 231.6 291.6



#83
dibromochloromethane
Concen: 52.01 ug/L
RT: 7.421 min Scan# 1075
Delta R.T. -0.000 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

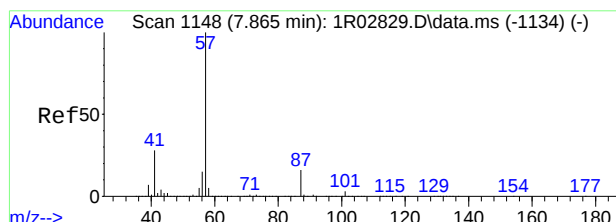
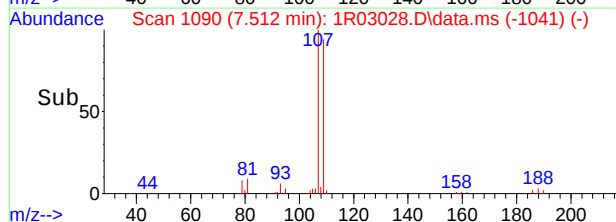
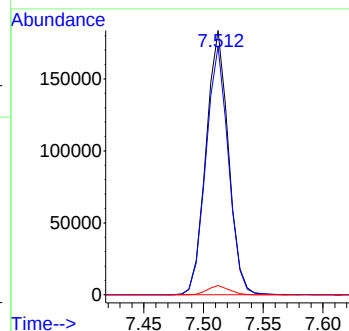
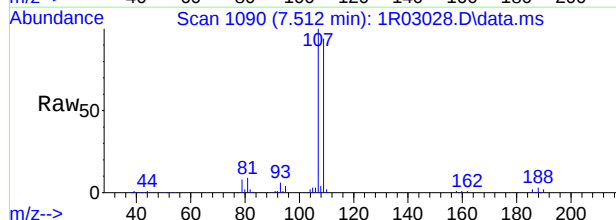
Tgt Ion: 129 Resp: 253478
Ion Ratio Lower Upper
129 100
127 76.3 44.7 104.7
131 25.2 0.0 52.7





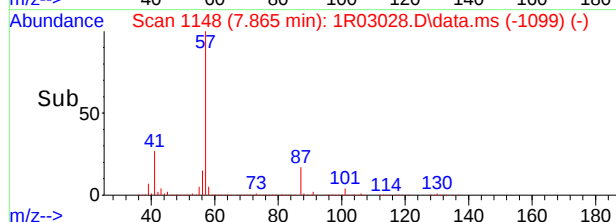
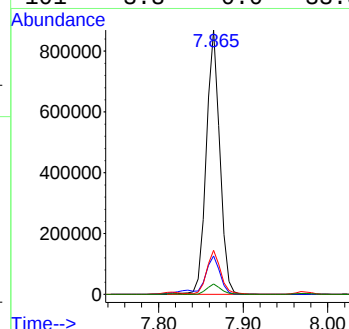
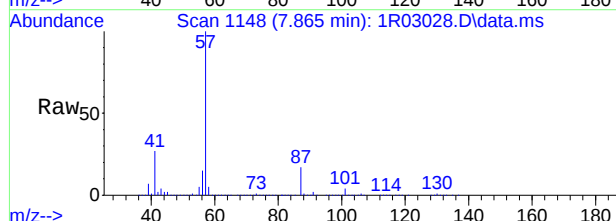
#84
1,2-dibromoethane
Concen: 51.68 ug/L
RT: 7.512 min Scan# 1090
Delta R.T. 0.000 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

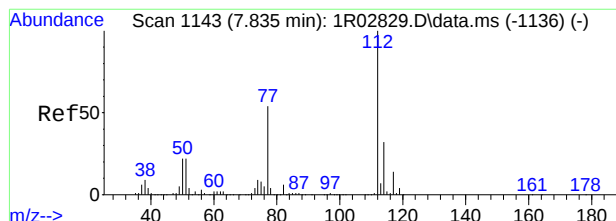
Tgt Ion	Ratio	Resp	Lower	Upper
107	100	239277		
109	94.0	60.9	120.9	
188	3.5	0.0	33.1	



#85
n-butyl ether
Concen: 44.11 ug/L
RT: 7.865 min Scan# 1148
Delta R.T. 0.000 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

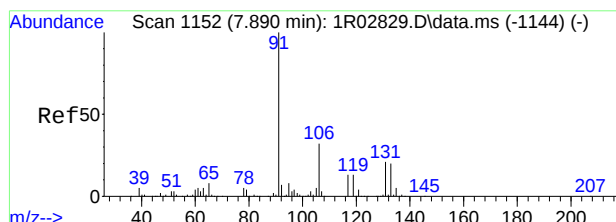
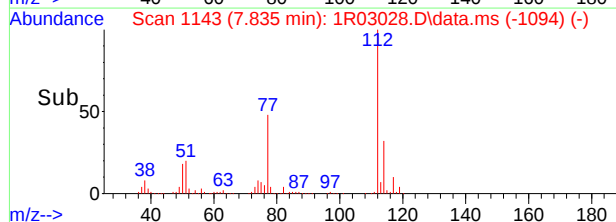
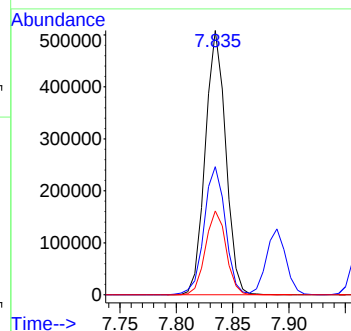
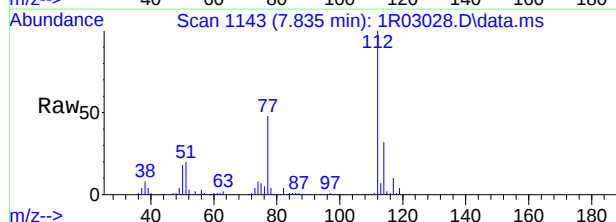
Tgt Ion	Ratio	Resp	Lower	Upper
57	100	967181		
56	14.5	0.0	34.6	
87	16.4	0.0	46.2	
101	3.8	0.0	33.3	





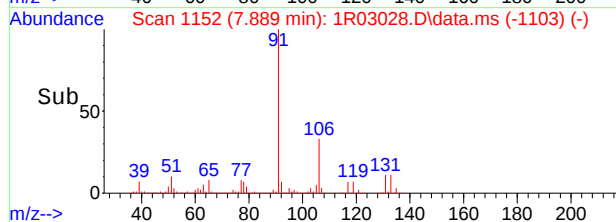
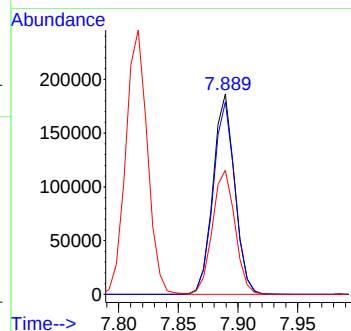
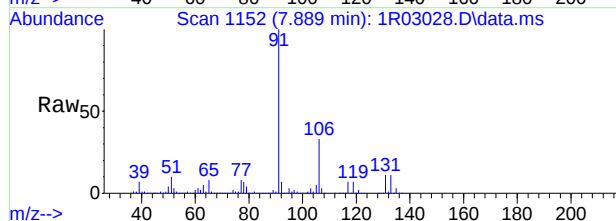
#86
chlorobenzene
Concen: 46.87 ug/L
RT: 7.835 min Scan# 1143
Delta R.T. -0.000 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

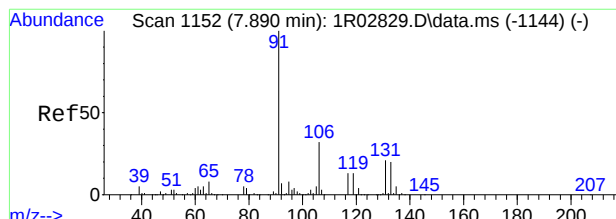
Tgt Ion	Ratio	Resp	Lower	Upper
112	100	641181		
77	48.4	23.5	83.5	
114	31.7	1.8	61.8	



#87
1,1,1,2-tetrachloroethane
Concen: 48.62 ug/L
RT: 7.889 min Scan# 1152
Delta R.T. -0.001 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	235129		
133	96.1	65.6	125.6	
119	62.0	35.8	95.8	

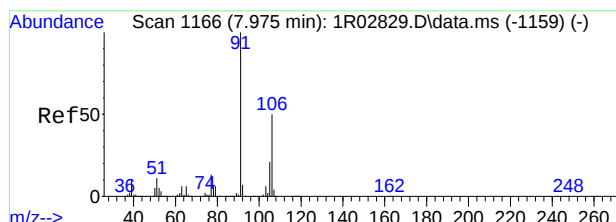
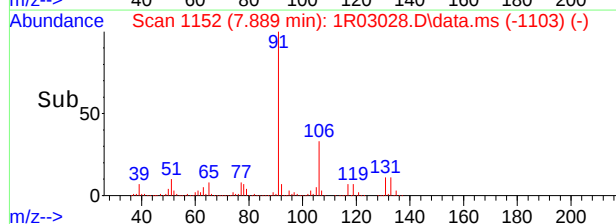
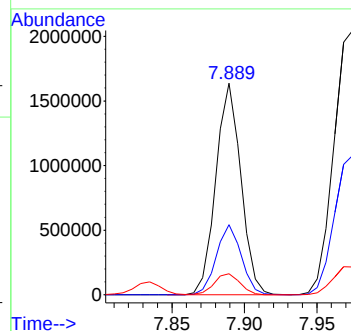
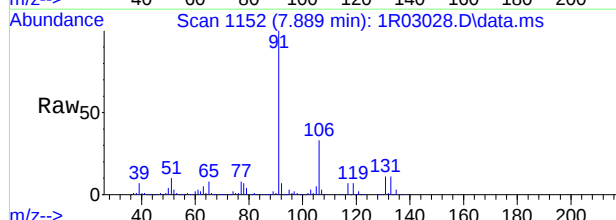




#88
ethylbenzene
Concen: 86.99 ug/L
RT: 7.889 min Scan# 1152
Delta R.T. -0.001 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

Tgt Ion: 91 Resp: 1977730

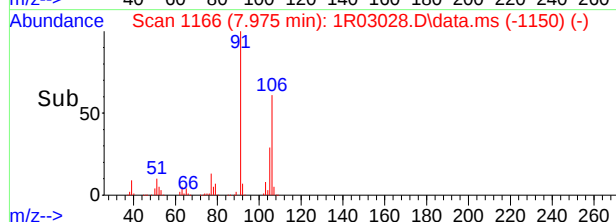
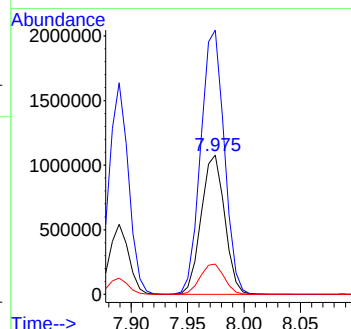
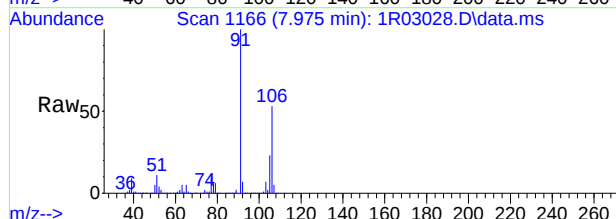
Ion	Ratio	Lower	Upper
91	100		
106	33.1	2.1	62.1
51	9.9	0.0	41.5

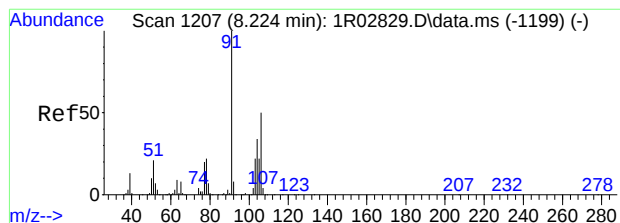


#89
m,p-xylene
Concen: 176.51 ug/L
RT: 7.975 min Scan# 1166
Delta R.T. -0.000 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

Tgt Ion: 106 Resp: 1557826

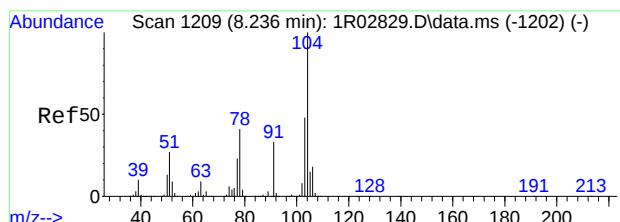
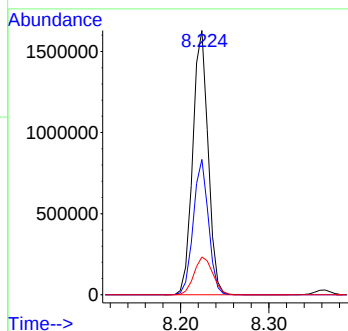
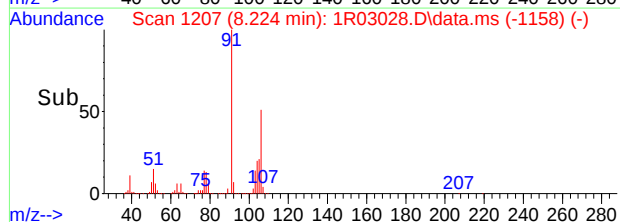
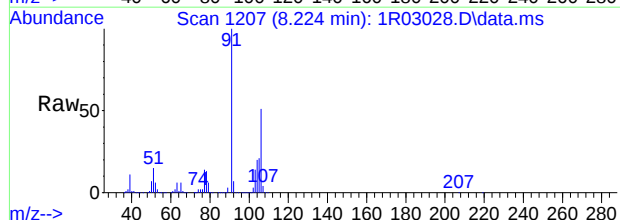
Ion	Ratio	Lower	Upper
106	100		
91	189.9	168.6	228.6
77	21.7	0.0	55.1





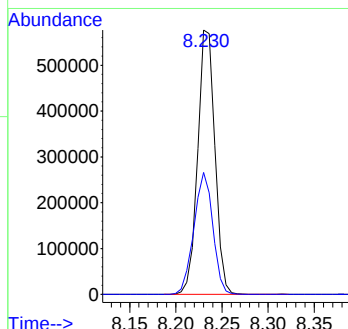
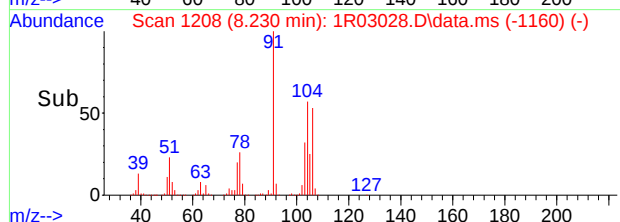
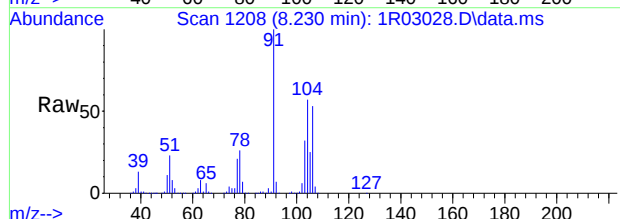
#90
o-xylene
Concen: 112.69 ug/L
RT: 8.224 min Scan# 1207
Delta R.T. -0.000 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

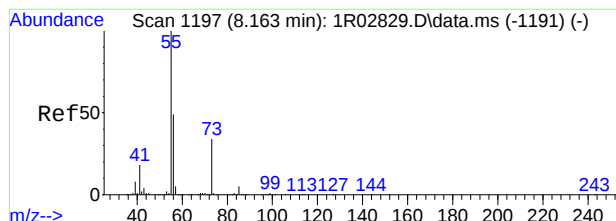
Tgt Ion: 91 Resp: 1976417
Ion Ratio Lower Upper
91 100
106 51.3 20.2 80.2
77 14.4 0.0 50.1



#91
styrene
Concen: 51.02 ug/L
RT: 8.230 min Scan# 1208
Delta R.T. -0.006 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

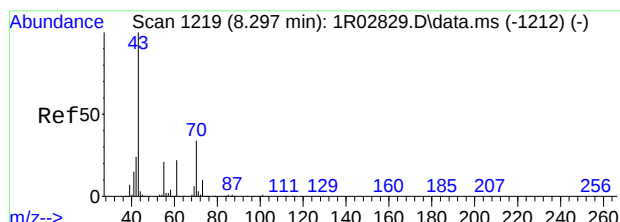
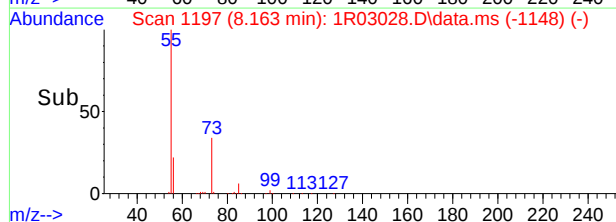
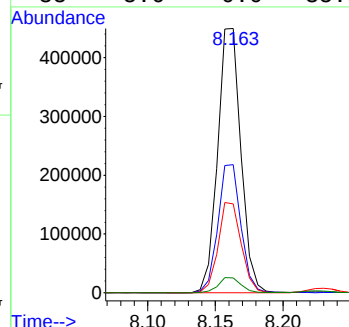
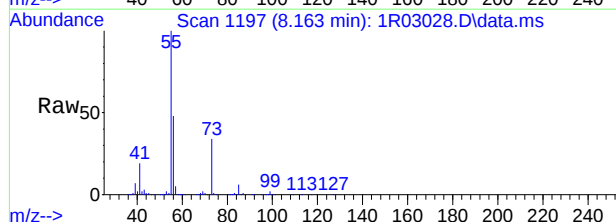
Tgt Ion: 104 Resp: 751059
Ion Ratio Lower Upper
104 100
78 46.1 11.4 71.4





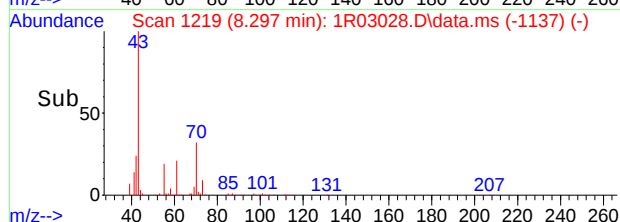
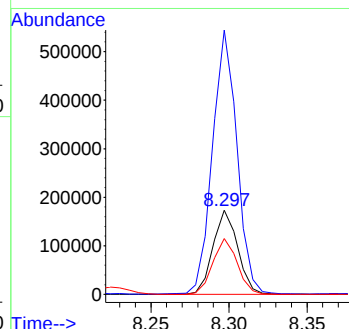
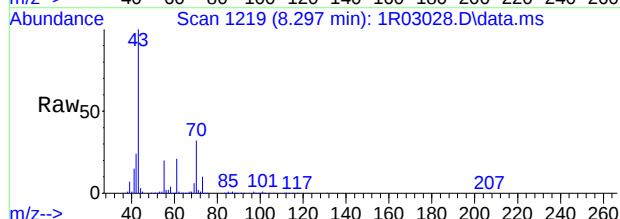
#92
butyl acrylate
Concen: 46.86 ug/L
RT: 8.163 min Scan# 1197
Delta R.T. 0.000 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

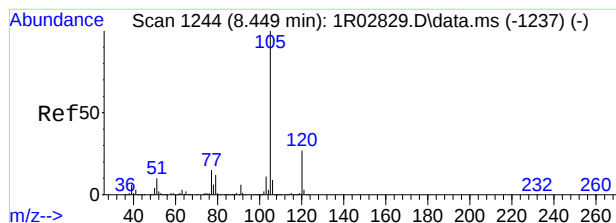
Tgt Ion	Ratio	Resp	Lower	Upper
55	100	538792		
56	48.5		29.3	69.3
73	33.7		14.0	54.0
85	5.6		0.0	35.5



#93
n-ethyl acetate
Concen: 43.42 ug/L
RT: 8.297 min Scan# 1219
Delta R.T. -0.000 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

Tgt Ion	Ratio	Resp	Lower	Upper
70	100	191145		
43	313.2		265.3	325.3
61	66.3		35.5	95.5

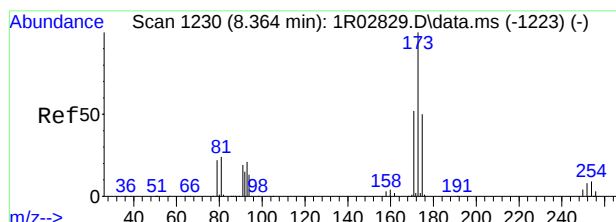
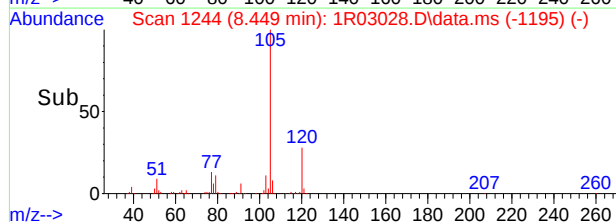
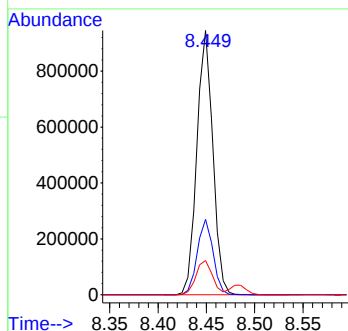
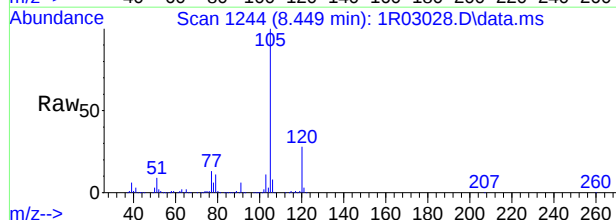




#94
isopropylbenzene
Concen: 52.71 ug/L
RT: 8.449 min Scan# 1244
Delta R.T. 0.000 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

Tgt Ion:105 Resp: 1084920

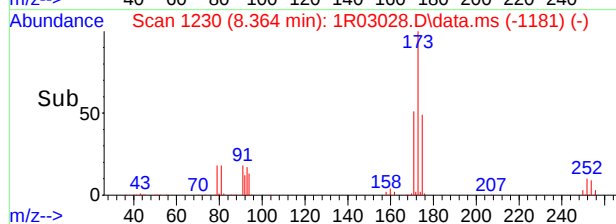
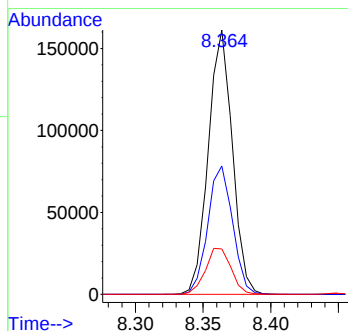
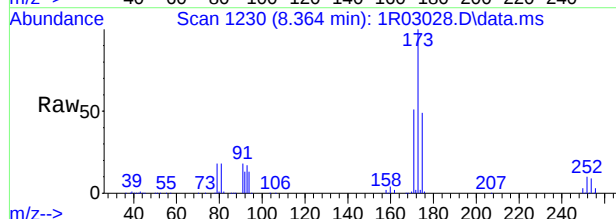
Ion	Ratio	Lower	Upper
105	100		
120	28.5	7.3	47.3
77	12.9	0.0	34.6

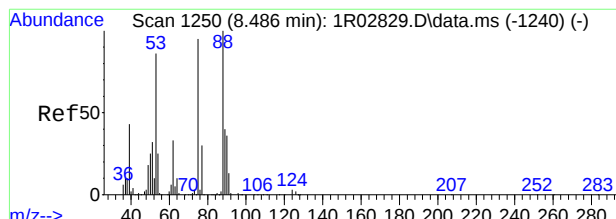


#95
bromoform
Concen: 51.58 ug/L
RT: 8.364 min Scan# 1230
Delta R.T. -0.000 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

Tgt Ion:173 Resp: 199793

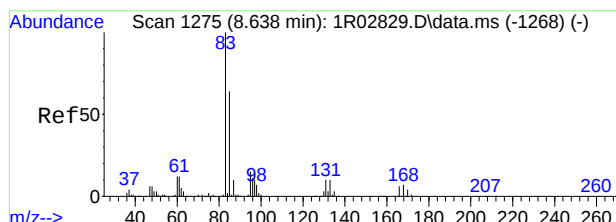
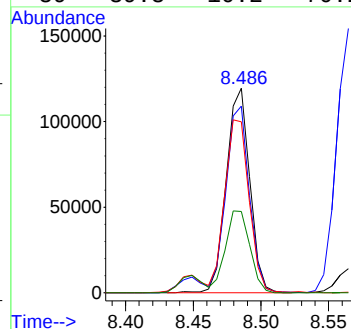
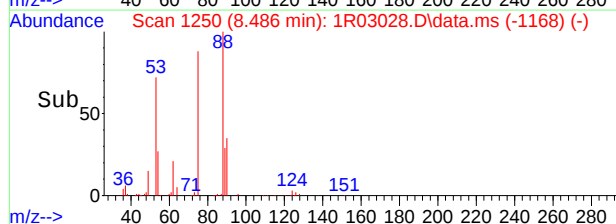
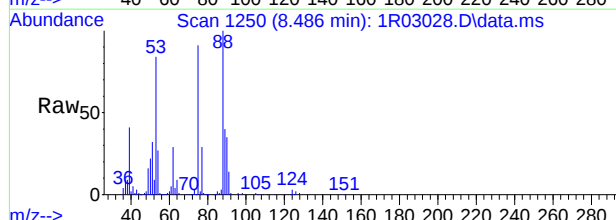
Ion	Ratio	Lower	Upper
173	100		
175	48.6	20.2	80.2
93	17.1	0.0	50.5





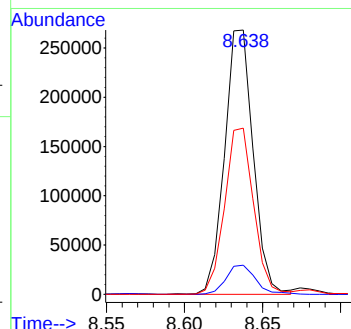
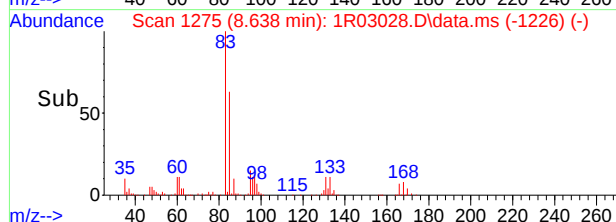
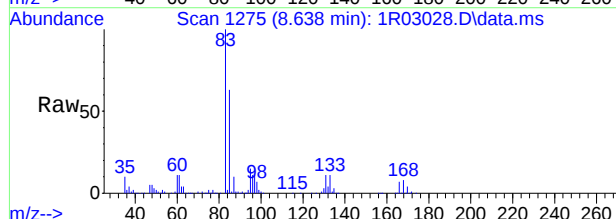
#96
 cis-1,4-dichloro-2-butene
 Concen: 50.04 ug/L
 RT: 8.486 min Scan# 1250
 Delta R.T. -0.000 min
 Lab File: 1R03028.D
 Acq: 4 Apr 2023 4:11 pm

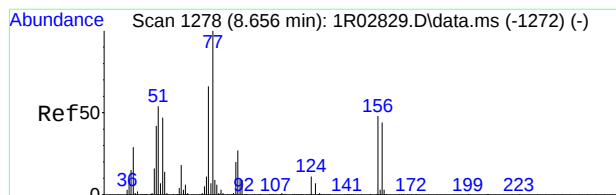
Tgt Ion:	88	Resp:	144341
Ion Ratio	Lower	Upper	
88	100		
75	90.9	74.9	114.9
53	83.3	66.4	106.4
89	39.8	10.2	70.2



#99
 1,1,2,2-tetrachloroethane
 Concen: 45.33 ug/L
 RT: 8.638 min Scan# 1275
 Delta R.T. -0.000 min
 Lab File: 1R03028.D
 Acq: 4 Apr 2023 4:11 pm

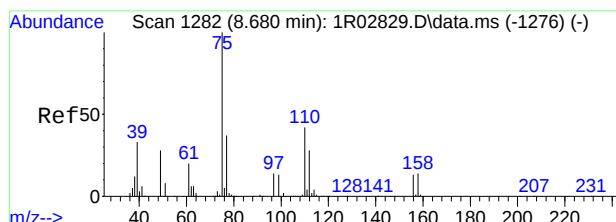
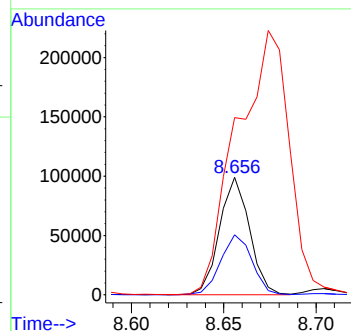
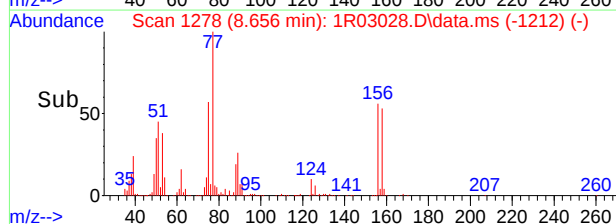
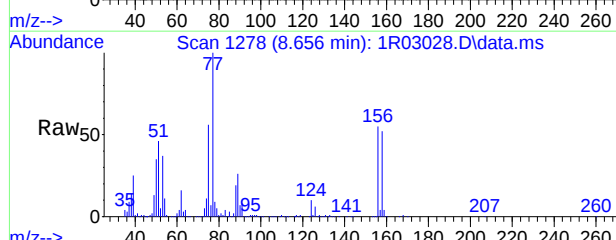
Tgt Ion:	83	Resp:	341553
Ion Ratio	Lower	Upper	
83	100		
131	11.0	0.0	40.3
85	62.9	34.2	94.2





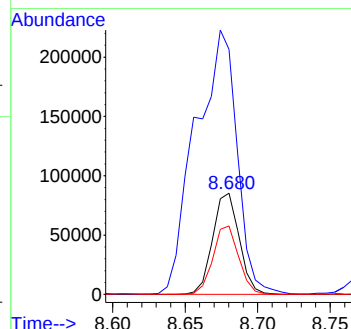
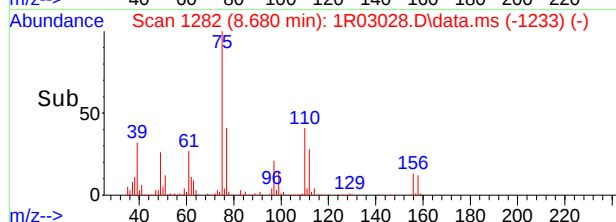
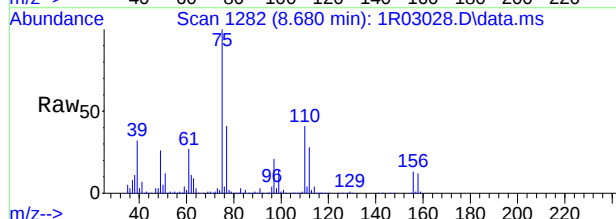
#100
trans-1,4-dichloro-2-butene
Concen: 44.42 ug/L
RT: 8.656 min Scan# 1278
Delta R.T. -0.000 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

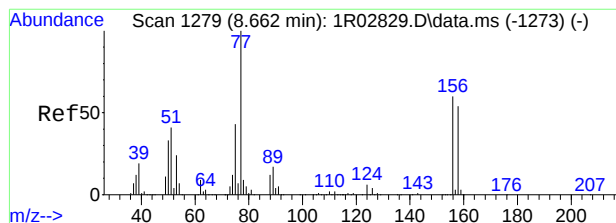
Tgt Ion: 53 Resp: 112529
Ion Ratio Lower Upper
53 100
88 51.1 12.5 72.5
75 150.6 108.7 168.7



#101
1,2,3-trichloropropane
Concen: 48.84 ug/L
RT: 8.680 min Scan# 1282
Delta R.T. 0.000 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

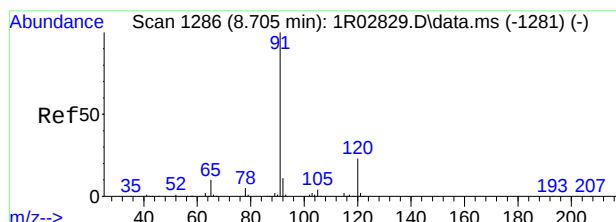
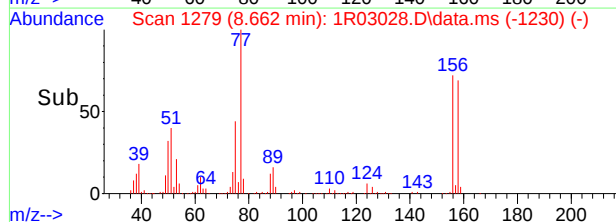
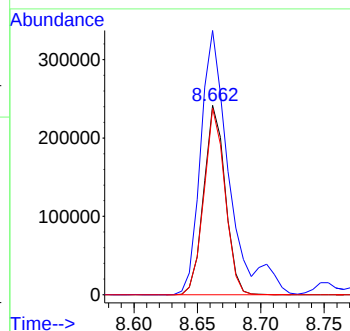
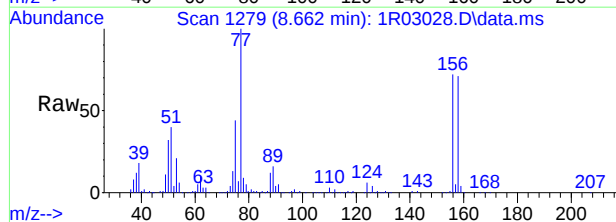
Tgt Ion: 110 Resp: 109080
Ion Ratio Lower Upper
110 100
75 241.3 240.9 300.9
112 67.5 36.2 96.2





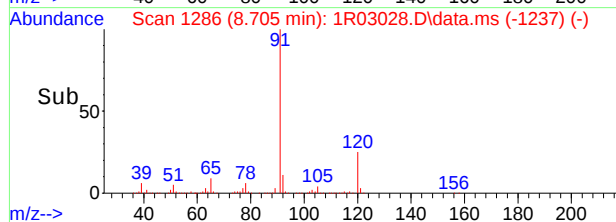
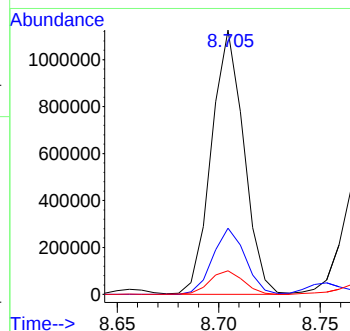
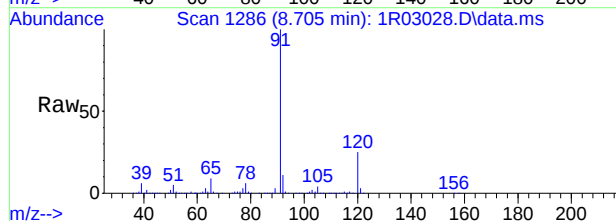
#102
bromobenzene
Concen: 47.82 ug/L
RT: 8.662 min Scan# 1279
Delta R.T. -0.000 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

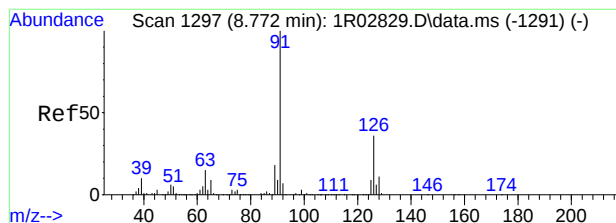
Tgt Ion	156	Resp	283333
Ratio	Lower	Upper	
156	100		
77	139.4	135.5	195.5
158	98.4	59.6	119.6



#103
n-propylbenzene
Concen: 48.86 ug/L
RT: 8.705 min Scan# 1286
Delta R.T. -0.000 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

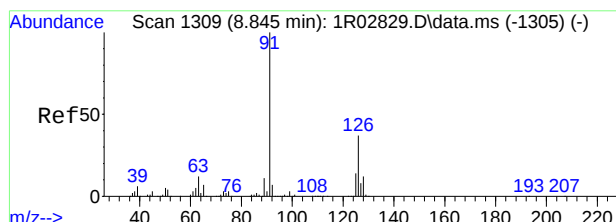
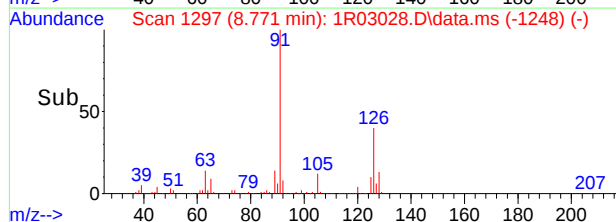
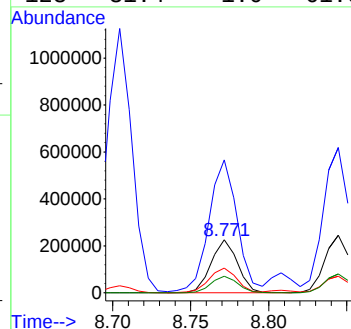
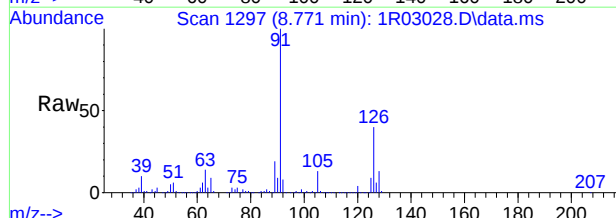
Tgt Ion	91	Resp	1251865
Ratio	Lower	Upper	
91	100		
120	25.1	0.0	53.4
65	8.9	0.0	39.9





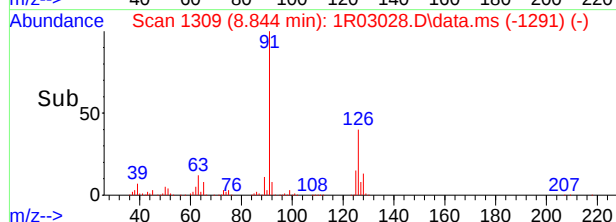
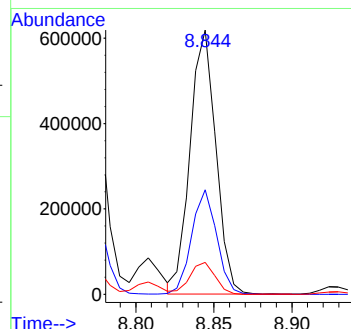
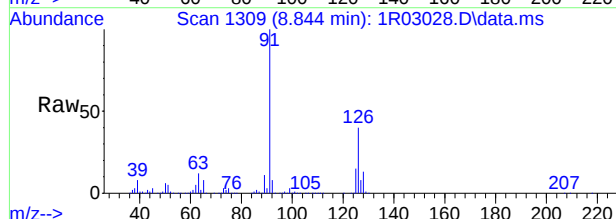
#104
2-chlorotoluene
Concen: 50.09 ug/L
RT: 8.771 min Scan# 1297
Delta R.T. -0.001 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

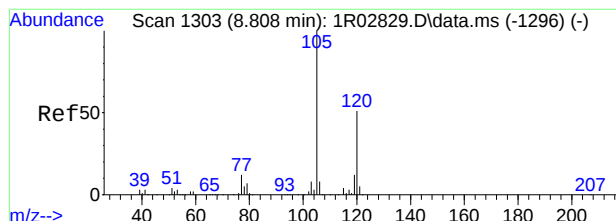
Tgt Ion	Ratio	Lower	Upper
126	100		
91	248.0	245.8	305.8
89	46.1	20.3	80.3
128	31.4	1.0	61.0



#105
4-chlorotoluene
Concen: 45.27 ug/L
RT: 8.844 min Scan# 1309
Delta R.T. -0.001 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

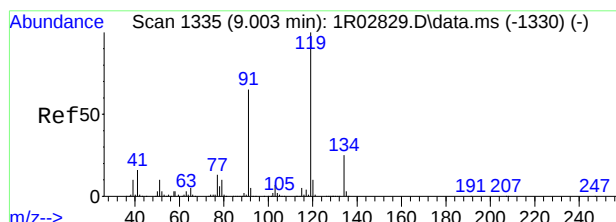
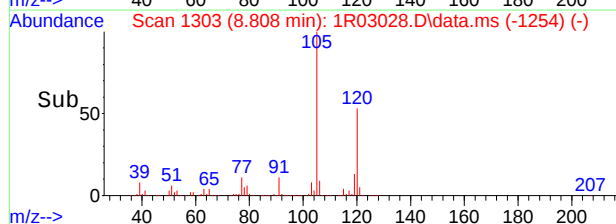
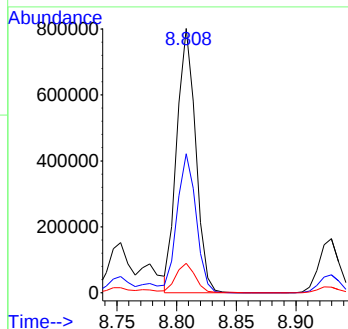
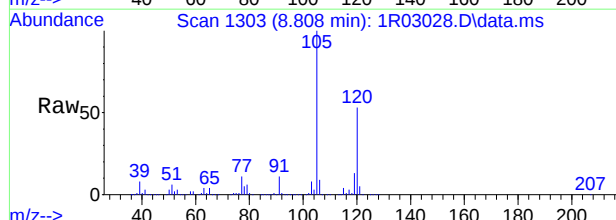
Tgt Ion	Ratio	Lower	Upper
91	100		
126	39.6	6.1	66.1
63	12.1	0.0	42.9





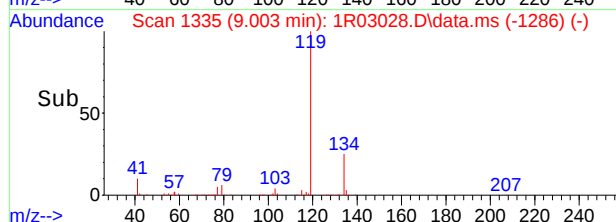
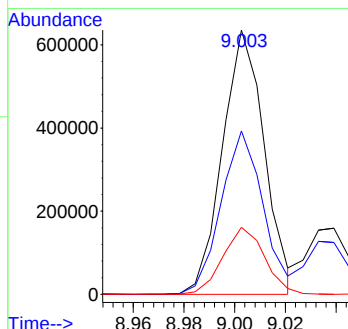
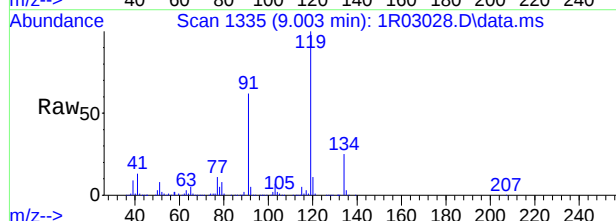
#106
1,3,5-trimethylbenzene
Concen: 50.24 ug/L
RT: 8.808 min Scan# 1303
Delta R.T. -0.000 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

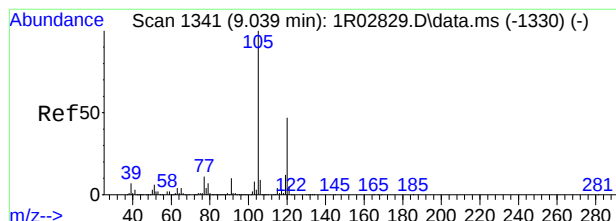
Tgt Ion	105	120	77
Ion	105	120	77
Ratio	100	52.5	11.1
Lower		21.2	0.0
Upper		81.2	42.1



#107
tert-butylbenzene
Concen: 47.41 ug/L
RT: 9.003 min Scan# 1335
Delta R.T. -0.000 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

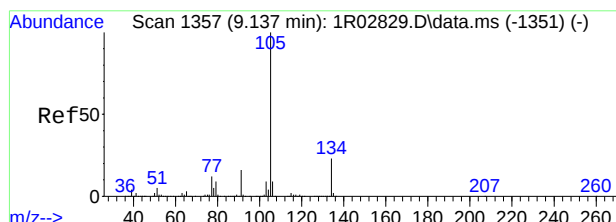
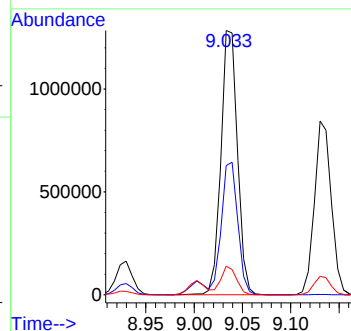
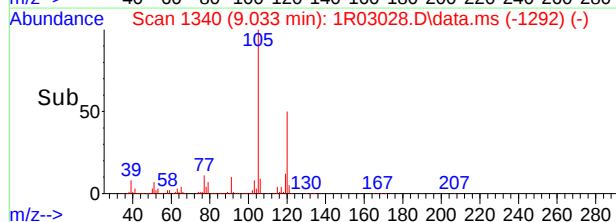
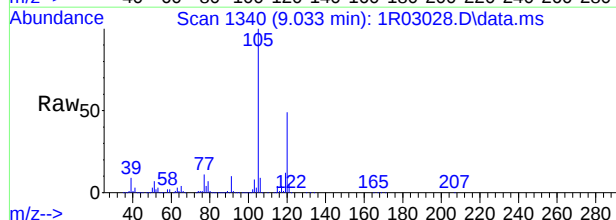
Tgt Ion	119	134
Ion	119	134
Ratio	100	25.4
Lower		0.0
Upper		55.0





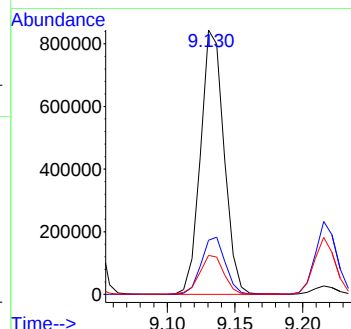
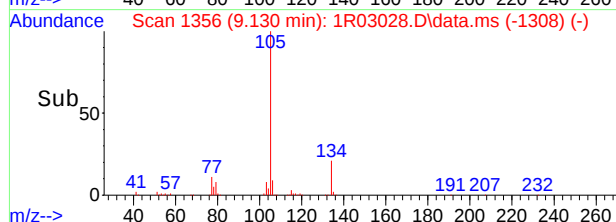
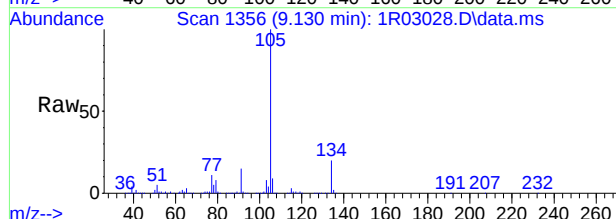
#108
1,2,4-trimethylbenzene
Concen: 85.53 ug/L
RT: 9.033 min Scan# 1340
Delta R.T. -0.006 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

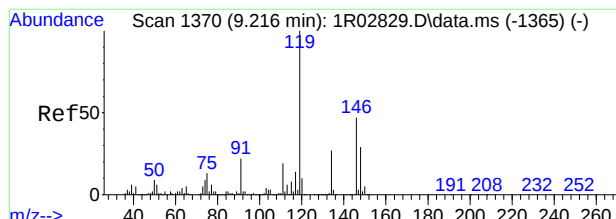
Tgt	Ion	Ratio	Lower	Upper
105	105	100		
120	120	48.8	17.3	77.3
77	77	10.9	0.0	40.8



#109
sec-butylbenzene
Concen: 48.53 ug/L
RT: 9.130 min Scan# 1356
Delta R.T. -0.007 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

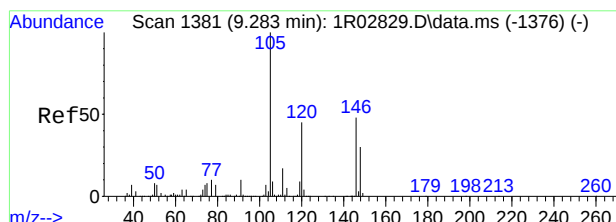
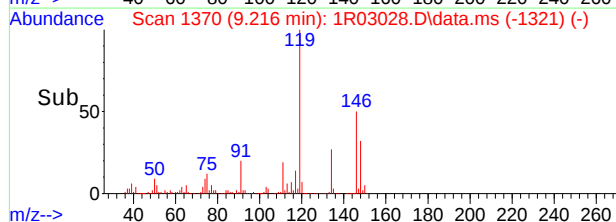
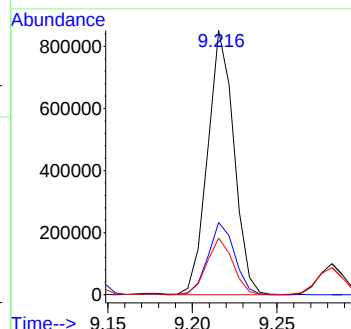
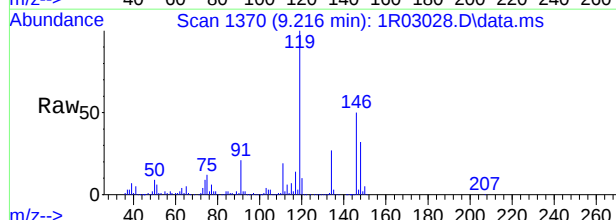
Tgt	Ion	Ratio	Lower	Upper
105	105	100		
134	134	20.5	0.0	52.8
91	91	14.7	0.0	45.8





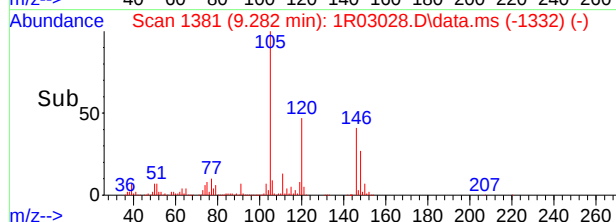
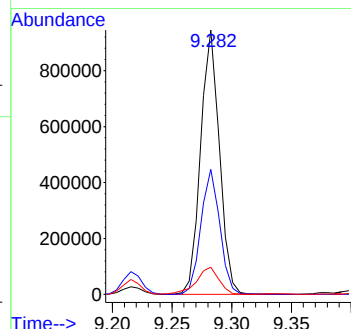
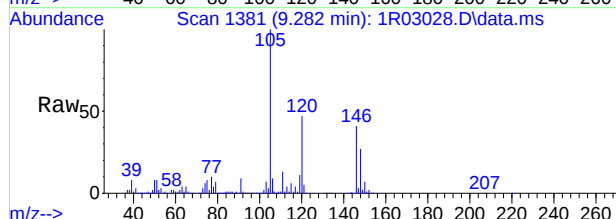
#110
p-isopropyltoluene
Concen: 47.92 ug/L
RT: 9.216 min Scan# 1370
Delta R.T. -0.000 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

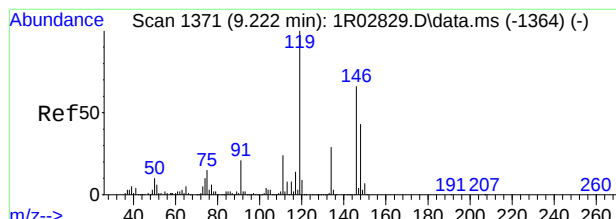
Tgt	Ion	119	Resp	921100
	Ratio	100	Lower	Upper
	134	27.3	0.0	57.1
	91	21.3	0.0	52.0



#111
1,2,3-trimethylbenzene
Concen: 54.02 ug/L
RT: 9.282 min Scan# 1381
Delta R.T. -0.001 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

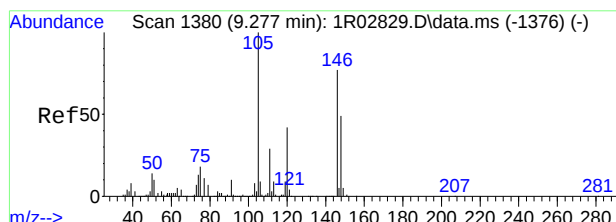
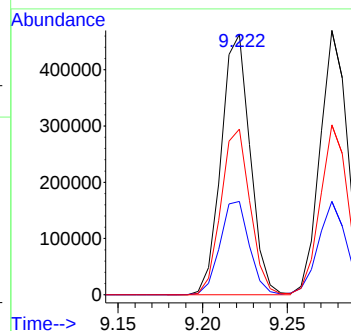
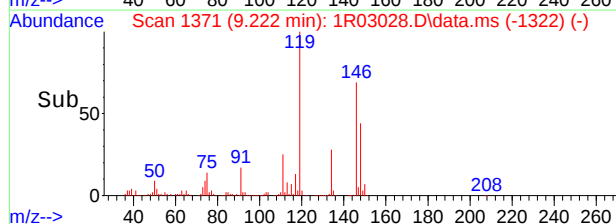
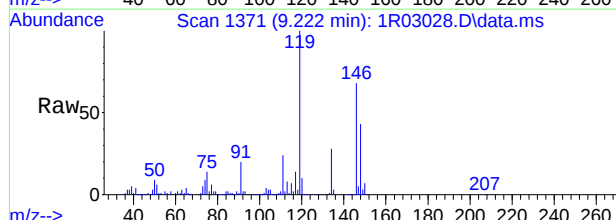
Tgt	Ion	105	Resp	1033591
	Ratio	100	Lower	Upper
	120	47.2	14.6	74.6
	77	10.2	0.0	41.2





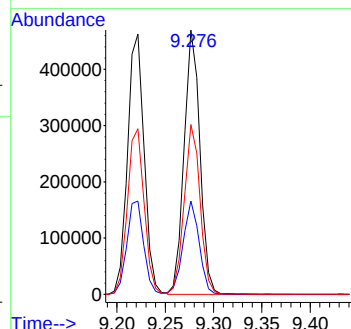
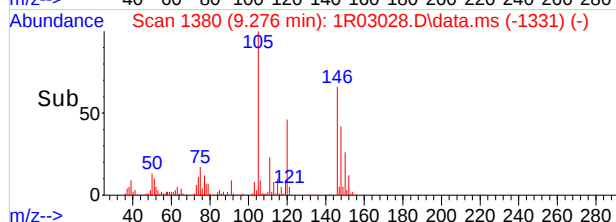
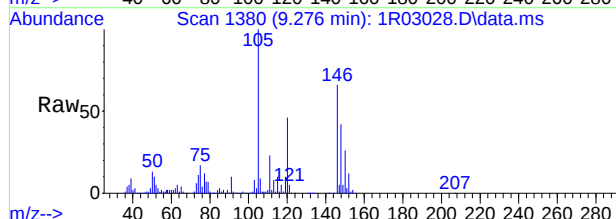
#112
1,3-dichlorobenzene
Concen: 48.44 ug/L
RT: 9.222 min Scan# 1371
Delta R.T. -0.000 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

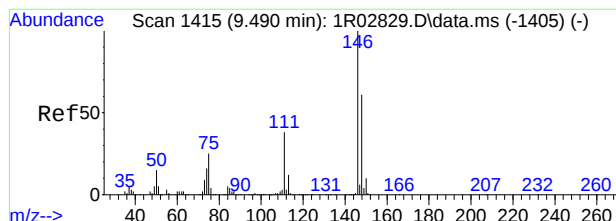
Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.8	6.4	66.4
148	63.6	34.2	94.2



#113
1,4-dichlorobenzene
Concen: 46.07 ug/L
RT: 9.276 min Scan# 1380
Delta R.T. -0.001 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

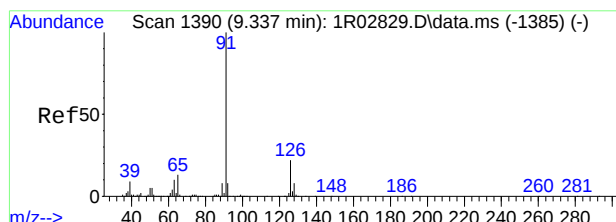
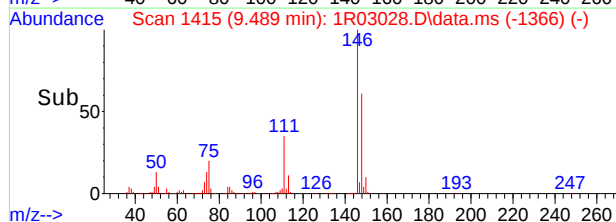
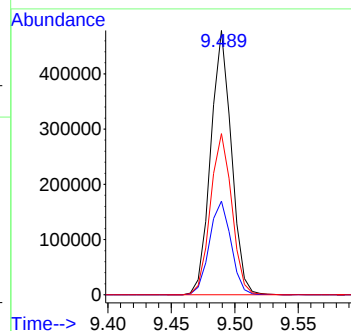
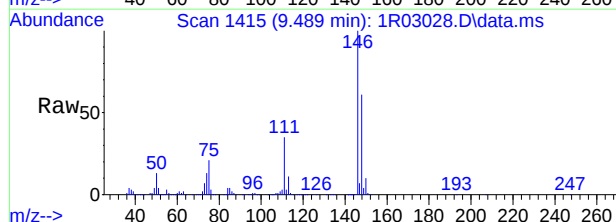
Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.3	8.4	68.4
148	64.2	33.6	93.6





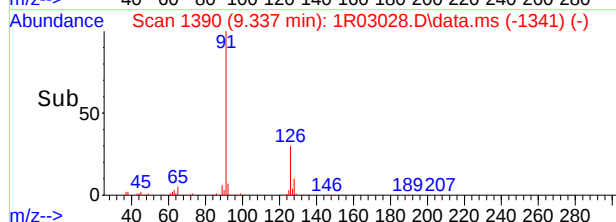
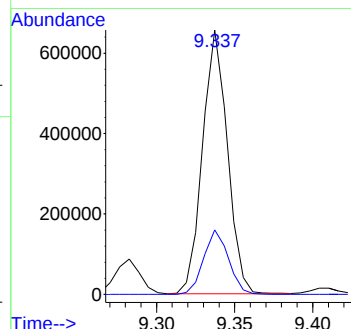
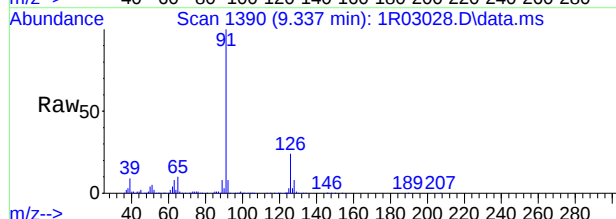
#114
1,2-dichlorobenzene
Concen: 51.76 ug/L
RT: 9.489 min Scan# 1415
Delta R.T. -0.001 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

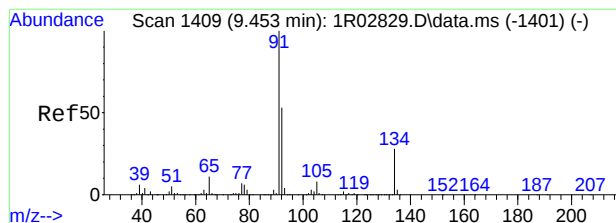
Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.4	7.8	67.8
148	61.0	31.0	91.0



#115
benzyl chloride
Concen: 51.73 ug/L
RT: 9.337 min Scan# 1390
Delta R.T. 0.000 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

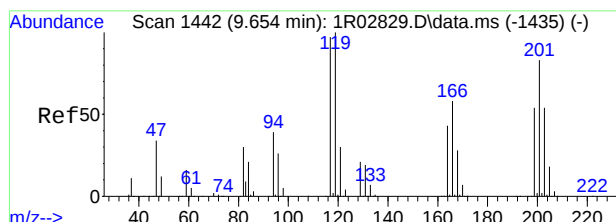
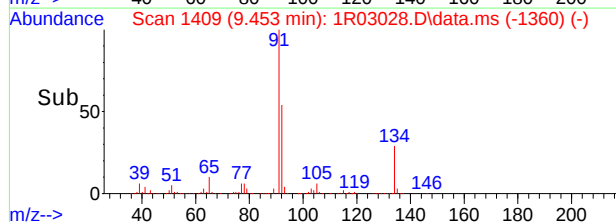
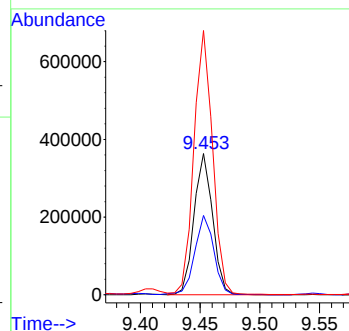
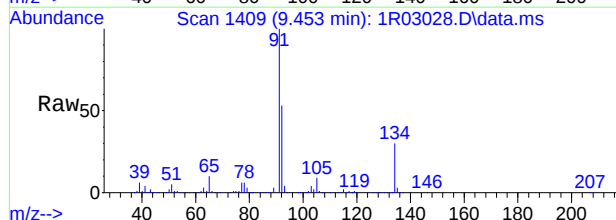
Tgt Ion	Ratio	Lower	Upper
91	100		
126	24.5	0.0	51.9





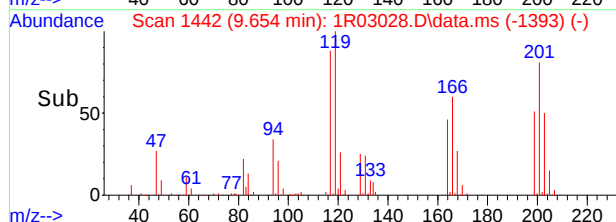
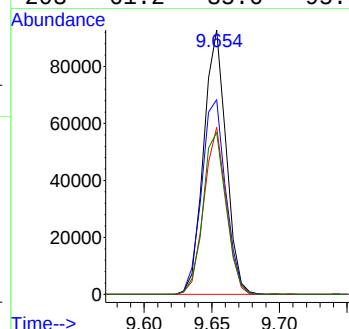
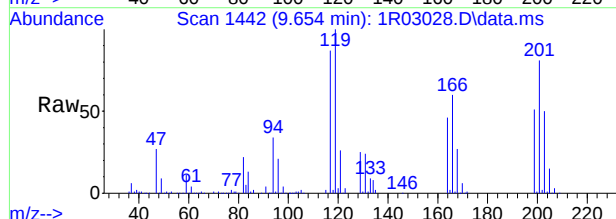
#116
n-butylbenzene
Concen: 45.71 ug/L
RT: 9.453 min Scan# 1409
Delta R.T. -0.000 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

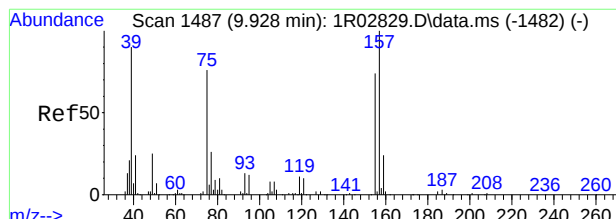
Tgt Ion: 92 Resp: 395014
Ion Ratio Lower Upper
92 100
134 56.2 22.4 82.4
91 186.9 158.9 218.9



#117
hexachloroethane
Concen: 58.63 ug/L
RT: 9.654 min Scan# 1442
Delta R.T. -0.000 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

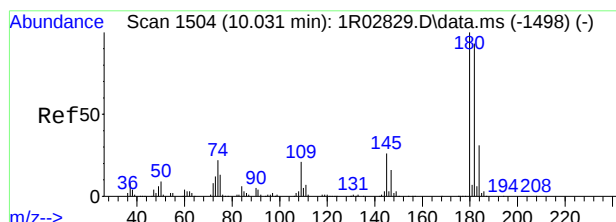
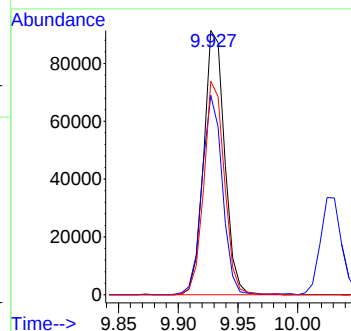
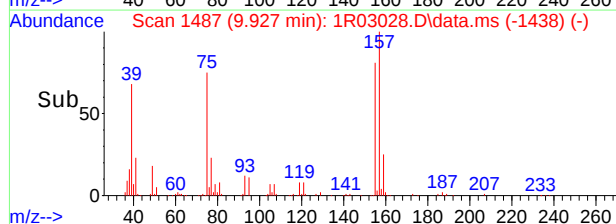
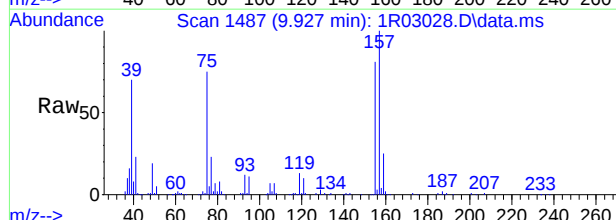
Tgt Ion: 201 Resp: 107246
Ion Ratio Lower Upper
201 100
166 73.7 40.0 100.0
199 63.2 34.6 94.6
203 61.2 35.6 95.6





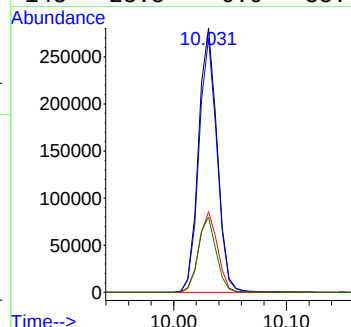
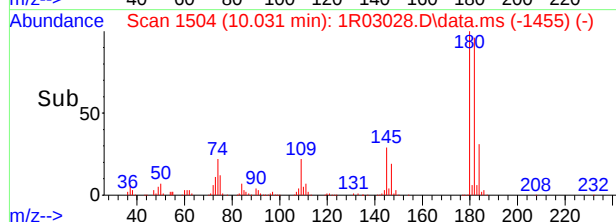
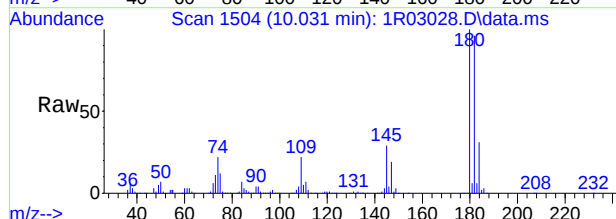
#118
1,2-dibromo-3-chloropropane
Concen: 54.26 ug/L
RT: 9.927 min Scan# 1487
Delta R.T. -0.001 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

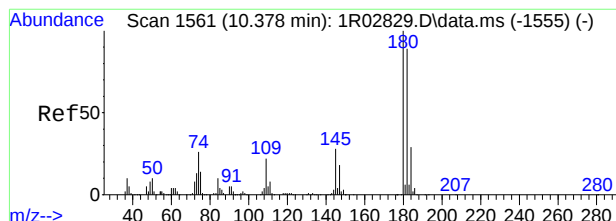
Tgt Ion:157 Resp: 110777
Ion Ratio Lower Upper
157 100
75 75.5 45.6 105.6
155 80.8 44.4 104.4



#119
1,3,5-trichlorobenzene
Concen: 48.88 ug/L
RT: 10.031 min Scan# 1504
Delta R.T. -0.000 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

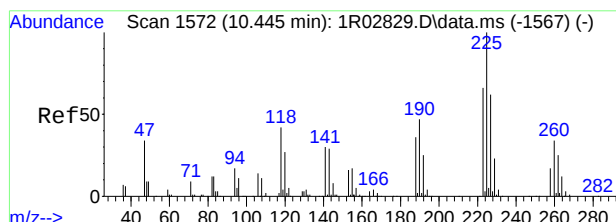
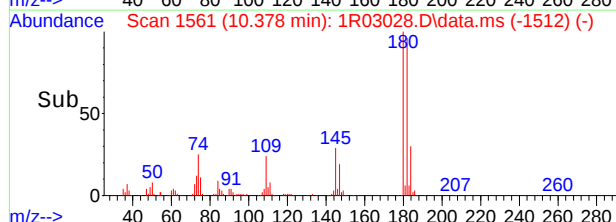
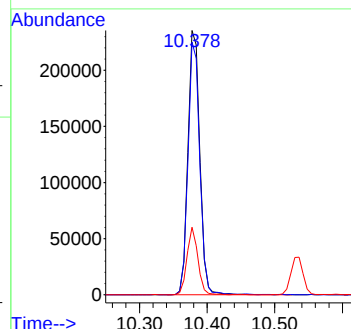
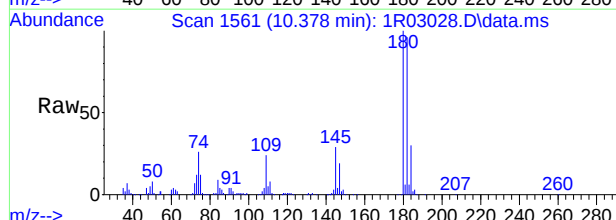
Tgt Ion:180 Resp: 322479
Ion Ratio Lower Upper
180 100
182 96.1 63.0 123.0
184 30.5 0.8 60.8
145 28.5 0.0 55.7





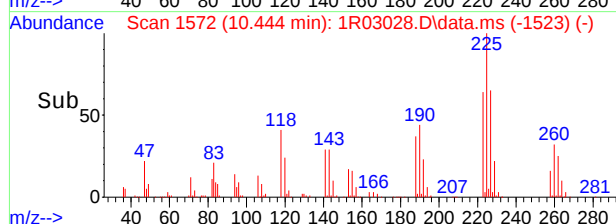
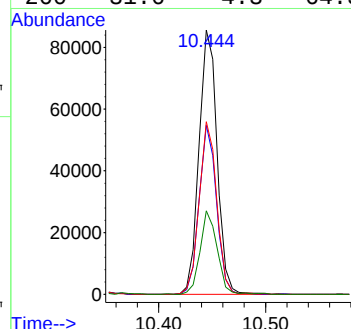
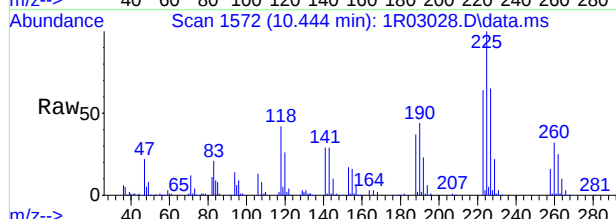
#120
1,2,4-trichlorobenzene
Concen: 51.57 ug/L
RT: 10.378 min Scan# 1561
Delta R.T. -0.000 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

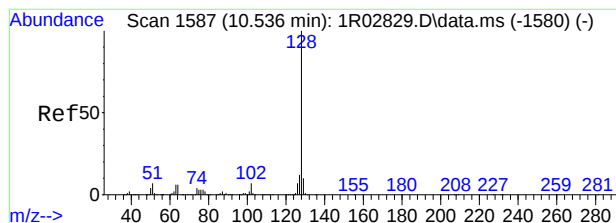
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	286358		
182	95.6	59.1	119.1	
74	25.5	0.0	56.3	



#121
hexachlorobutadiene
Concen: 50.07 ug/L
RT: 10.444 min Scan# 1572
Delta R.T. -0.001 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	100988		
223	64.0	36.0	96.0	
227	65.3	32.2	92.2	
260	31.6	4.3	64.3	

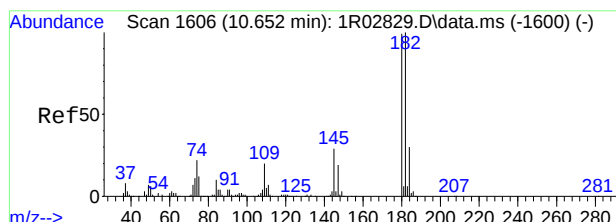
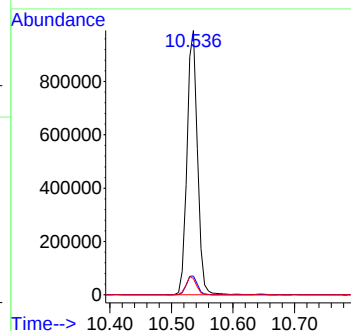
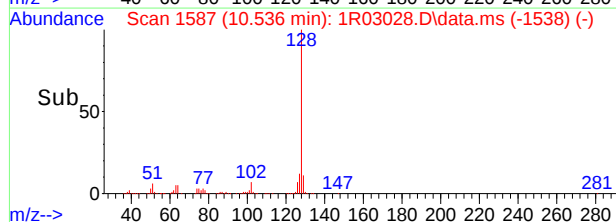
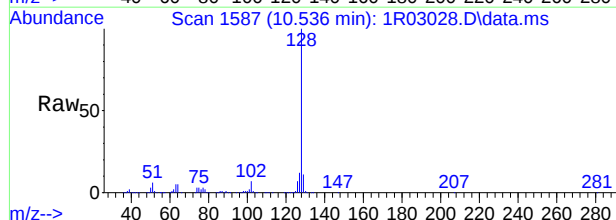




#122
naphthalene
Concen: 57.79 ug/L
RT: 10.536 min Scan# 1587
Delta R.T. -0.000 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

Tgt Ion:128 Resp: 1171779

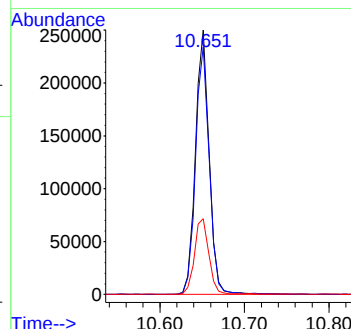
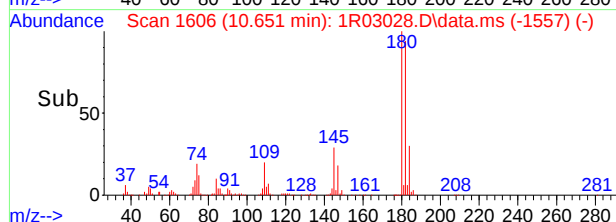
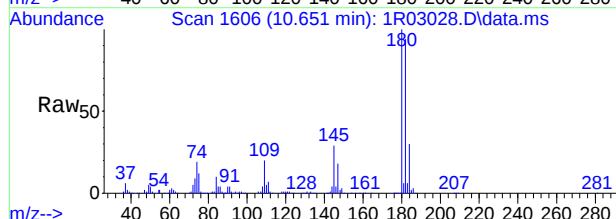
Ion	Ratio	Lower	Upper
128	100		
102	7.2	0.0	37.1
51	6.2	0.0	37.3

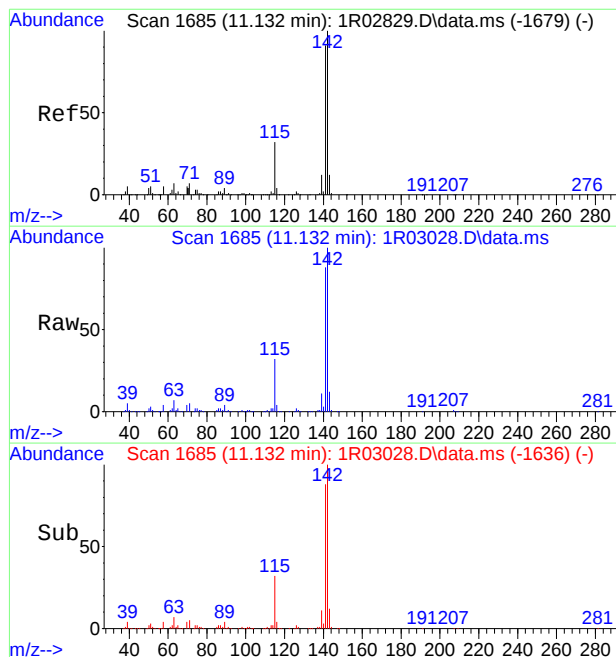


#123
1,2,3-trichlorobenzene
Concen: 51.32 ug/L
RT: 10.651 min Scan# 1606
Delta R.T. -0.001 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

Tgt Ion:180 Resp: 281951

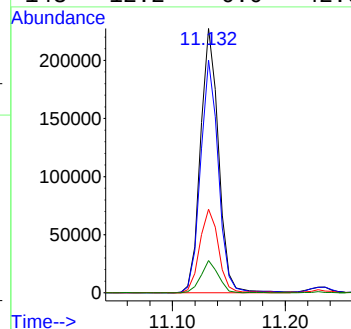
Ion	Ratio	Lower	Upper
180	100		
182	93.6	71.4	131.4
145	28.7	0.0	59.5





#124
2-methylnaphthalene
Concen: 28.57 ug/L
RT: 11.132 min Scan# 1685
Delta R.T. -0.000 min
Lab File: 1R03028.D
Acq: 4 Apr 2023 4:11 pm

Tgt	Ion	Ratio	Resp	Lower	Upper
142	100		253134		
141	88.0	70.6	110.6		
115	31.5	1.9	61.9		
143	12.2	0.0	42.0		



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Mei 04-06-2023\VR0100\
 Data File : 1R03029.D
 Acq On : 4 Apr 2023 4:36 pm
 Operator : nickw
 Sample : jd62953-1msd
 Misc : MS67936,V1R0100,5,,,,,4
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Apr 05 09:50:01 2023

Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M

Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um

QLast Update : Thu Mar 30 09:13:25 2023

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) tert butyl alcohol-d9	3.491	65	584603	500.00	ug/L	0.00
5) pentafluorobenzene	5.030	168	697532	50.00	ug/L	0.00
52) 1,4-difluorobenzene	5.657	114	1038223	50.00	ug/L	0.00
73) chlorobenzene-d5	7.817	117	1013024	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	9.264	152	549087	50.00	ug/L	0.00

System Monitoring Compounds

44) dibromofluoromethane (s)	5.018	113	317667	52.40	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.80%
53) 1,2-dichloroethane-d4 (s)	5.304	65	298996	49.53	ug/L	0.00
Spiked Amount	50.000	Range	81 - 124	Recovery	=	99.06%
74) toluene-d8 (s)	6.801	98	1292044	46.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.38%
98) 4-bromofluorobenzene (s)	8.565	174	442538	49.25	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.50%

Target Compounds

Qvalue

2) ethanol	2.688	45	521423	4944.43	ug/L	96
3) tertiary butyl alcohol	3.570	59	351576	239.73	ug/L	99
4) 1,4-dioxane	6.119	88	122594	1121.53	ug/L	98
6) chlorodifluoromethane	1.654	51	246055	46.23	ug/L	97
7) dichlorodifluoromethane	1.642	85	269988	54.88	ug/L	97
8) chloromethane	1.806	50	269087	35.17	ug/L	99
9) vinyl chloride	1.897	62	250761	31.22	ug/L	99
10) 1,3-butadiene	1.934	54	207430	34.56	ug/L	94
11) bromomethane	2.189	94	96286	21.42	ug/L	99
12) chloroethane	2.293	64	150452	37.19	ug/L	97
13) trichlorofluoromethane	2.536	101	338779	55.03	ug/L	94
14) ethyl ether	2.804	74	122695	48.37	ug/L	86
15) acrolein	2.938	56	65693	45.00	ug/L	80
16) freon 113	3.041	151	166822	48.07	ug/L	98
17) 1,1-dichloroethene	3.035	96	186872	47.38	ug/L	95
18) acetone	3.071	58	161276	169.23	ug/L	100
19) acetonitrile	3.333	41	624500	486.44	ug/L	95
20) iodomethane	3.181	142	184312	61.58	ug/L	97
21) carbon disulfide	3.254	76	510918	44.11	ug/L	99
22) methylene chloride	3.497	84	213388	49.62	ug/L	99
23) methyl acetate	3.357	74	64151	49.92	ug/L	# 77
24) methyl tert butyl ether	3.728	73	610560	49.71	ug/L	99
25) trans-1,2-dichloroethene	3.741	96	210969	48.18	ug/L	95
26) hexane	3.984	56	171032	46.08	ug/L	97
27) di-isopropyl ether	4.142	45	802316	46.04	ug/L	99
28) 2-butanone	4.592	72	205208	183.20	ug/L	96
29) 1,1-dichloroethane	4.130	63	375627	45.70	ug/L	97
30) chloroprene	4.191	53	347584	49.08	ug/L	97
31) acrylonitrile	3.704	53	142571	44.81	ug/L	99
32) vinyl acetate	4.118	86	57370	51.16	ug/L	# 81
33) ethyl tert-butyl ether	4.452	59	677746	49.24	ug/L	98
34) ethyl acetate	4.623	45	74087	47.16	ug/L	# 70
35) 2,2-dichloropropane	4.623	77	303016	50.37	ug/L	88
36) cis-1,2-dichloroethene	4.611	96	231912	47.38	ug/L	87
37) propionitrile	4.653	54	676758	468.12	ug/L	95
38) methyl acrylate	4.665	85	56527	47.82	ug/L	# 84
39) methacrylonitrile	4.775	67	142687	45.66	ug/L	90
40) bromochloromethane	4.811	128	117510	50.66	ug/L	# 84
41) tetrahydrofuran	4.823	42	171577	44.03	ug/L	95
42) chloroform	4.890	83	381233	47.40	ug/L	96
43) tert-Butyl Formate	4.909	59	189820	43.32	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Mei 04-06-2023\VR0100\
Data File : 1R03029.D
Acq On : 4 Apr 2023 4:36 pm
Operator : nickw
Sample : jd62953-1msd
Misc : MS67936,V1R0100,5,,,,,4
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Apr 05 09:50:01 2023

Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M

Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um

QLast Update : Thu Mar 30 09:13:25 2023

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,1-trichloroethane	5.036	97	329849	47.58	ug/L	92
46) cyclohexane	5.097	84	301574	46.86	ug/L	86
47) isobutyl alcohol	5.213	43	305889	520.11	ug/L	98
48) 1,1-dichloropropene	5.164	75	275840	47.49	ug/L	95
49) carbon tetrachloride	5.164	117	304665	52.72	ug/L	94
50) tert-amyl alcohol	5.310	73	189967	272.30	ug/L	96
51) isopropyl acetate	5.334	87	74200	47.79	ug/L	95
54) n-butyl alcohol	5.742	56	937499	2405.38	ug/L	97
55) 2,2,4-trimethylpentane	5.407	57	610013	42.35	ug/L	97
56) benzene	5.328	78	921783	45.03	ug/L	99
57) tert-amyl methyl ether	5.414	73	655286	45.03	ug/L	98
58) heptane	5.541	57	130646	40.13	ug/L	95
59) 1,2-dichloroethane	5.365	62	294887	45.23	ug/L	94
60) ethyl acrylate	5.894	55	440311	41.75	ug/L	99
61) trichloroethene	5.852	95	234945	45.50	ug/L	99
62) 2-chloroethyl vinyl ether	6.466	63	6618	1.49	ug/L	84
63) methyl methacrylate	6.083	100	82932	47.50	ug/L #	84
64) methylcyclohexane	6.046	83	350791	42.88	ug/L	97
65) 1,2-dichloropropane	6.064	63	226354	40.15	ug/L	98
66) dibromomethane	6.131	93	151679	43.54	ug/L	99
67) bromodichloromethane	6.265	83	283311	45.61	ug/L	99
68) 2-nitropropane	6.430	41	131984	45.09	ug/L	95
69) epichlorohydrin	6.509	57	247209	233.65	ug/L	99
70) cis-1,3-dichloropropene	6.594	75	357181	44.69	ug/L	98
71) 4-methyl-2-pentanone	6.691	58	661762	170.10	ug/L	96
72) isoamyl alcohol	6.721	70	334574	923.25	ug/L	96
75) toluene	6.849	92	3335999	254.22	ug/L	97
76) ethyl methacrylate	7.026	69	337334	47.12	ug/L	99
77) trans-1,3-dichloropropene	7.007	75	333844	47.55	ug/L	91
78) 1,1,2-trichloroethane	7.153	83	179872	43.83	ug/L	94
79) tetrachloroethene	7.220	164	233898	45.25	ug/L	96
80) 2-hexanone	7.287	58	741018	178.77	ug/L	99
81) 1,3-dichloropropane	7.269	76	333731	45.53	ug/L	97
82) butyl acetate	7.354	56	240100	44.22	ug/L	93
83) dibromochloromethane	7.421	129	268967	52.03	ug/L	100
84) 1,2-dibromoethane	7.512	107	250696	51.05	ug/L	98
85) n-butyl ether	7.865	57	989980	42.57	ug/L	99
86) chlorobenzene	7.835	112	669874	46.17	ug/L	96
87) 1,1,1,2-tetrachloroethane	7.890	131	250801	48.90	ug/L	96
88) ethylbenzene	7.890	91	2060723	85.45	ug/L	98
89) m,p-xylene	7.975	106	1626360	173.74	ug/L	92
90) o-xylene	8.224	91	2059600	110.72	ug/L	95
91) styrene	8.236	104	795496	50.95	ug/L	97
92) butyl acrylate	8.163	55	561607	46.06	ug/L	97
93) n-amyl acetate	8.297	70	198717	42.56	ug/L	89
94) isopropylbenzene	8.449	105	1131272	51.82	ug/L	96
95) bromoform	8.364	173	220027	53.56	ug/L	95
96) cis-1,4-dichloro-2-butene	8.480	88	151453	49.51	ug/L	95
99) 1,1,2,2-tetrachloroethane	8.638	83	354239	42.92	ug/L	99
100) trans-1,4-dichloro-2-b...	8.656	53	115518	41.63	ug/L	88
101) 1,2,3-trichloropropane	8.680	110	114692	46.88	ug/L #	84
102) bromobenzene	8.662	156	298479	45.99	ug/L	85
103) n-propylbenzene	8.705	91	1284960	45.78	ug/L	96
104) 2-chlorotoluene	8.772	126	281772	48.54	ug/L	88
105) 4-chlorotoluene	8.845	91	737037	42.74	ug/L	94
106) 1,3,5-trimethylbenzene	8.808	105	952647	49.30	ug/L	99
107) tert-butylbenzene	9.003	119	780063	46.23	ug/L	97
108) 1,2,4-trimethylbenzene	9.033	105	1606513	81.70	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Mei 04-06-2023\VR0100\
 Data File : 1R03029.D
 Acq On : 4 Apr 2023 4:36 pm
 Operator : nickw
 Sample : jd62953-1msd
 Misc : MS67936,V1R0100,5,,,,,4
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Apr 05 09:50:01 2023
 Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M
 Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
 QLast Update : Thu Mar 30 09:13:25 2023
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

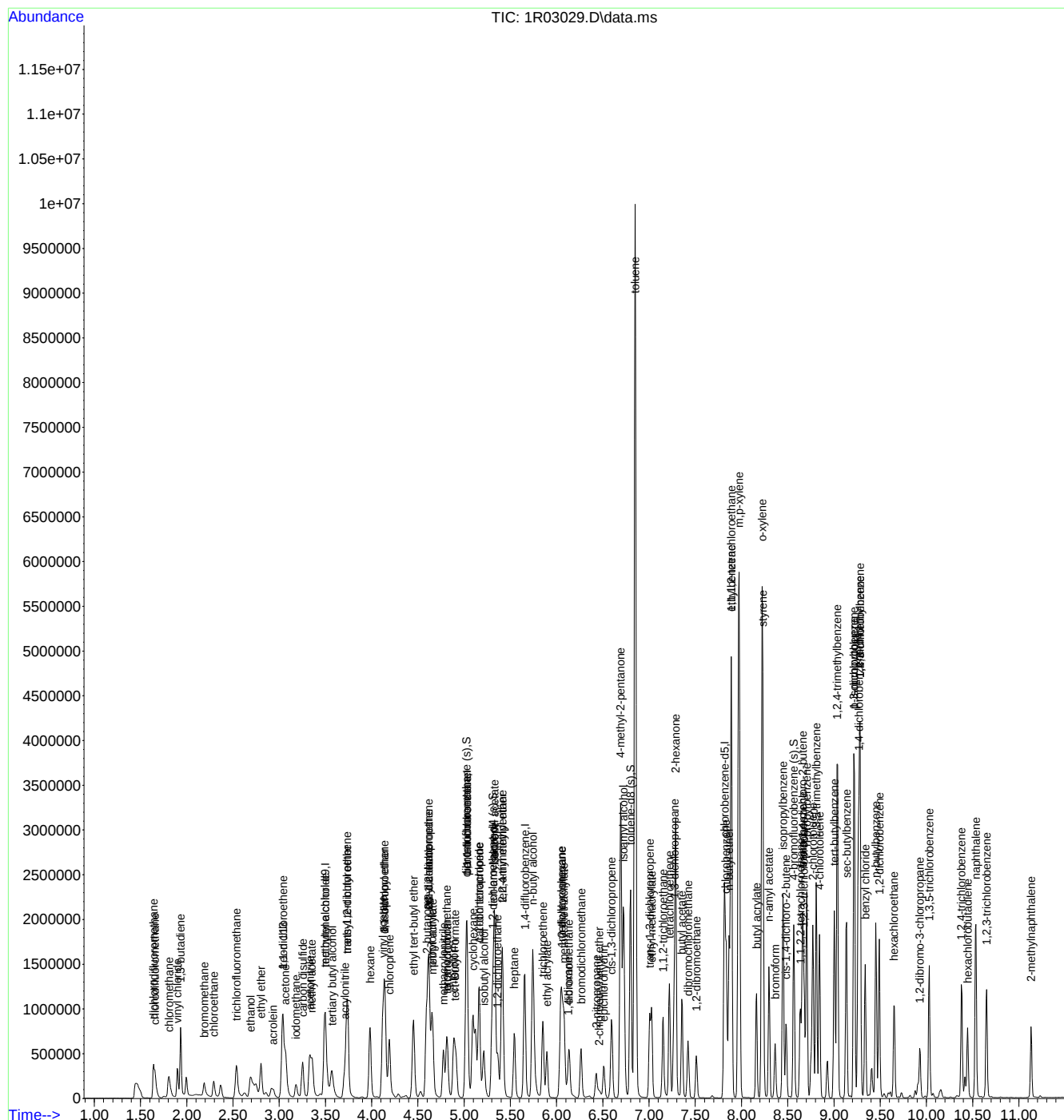
109) sec-butylbenzene	9.137	105	1070482	46.57	ug/L	98
110) p-isopropyltoluene	9.216	119	985734	46.82	ug/L	98
111) 1,2,3-trimethylbenzene	9.283	105	1086720	51.85	ug/L	98
112) 1,3-dichlorobenzene	9.222	146	590340	47.28	ug/L	99
113) 1,4-dichlorobenzene	9.277	146	577501	45.28	ug/L	98
114) 1,2-dichlorobenzene	9.490	146	575793	50.25	ug/L	95
115) benzyl chloride	9.337	91	734421	47.73	ug/L	93
116) n-butylbenzene	9.453	92	414684	43.81	ug/L	98
117) hexachloroethane	9.654	201	118033	58.91	ug/L	98
118) 1,2-dibromo-3-chloropr...	9.928	157	122616	54.83	ug/L	96
119) 1,3,5-trichlorobenzene	10.031	180	342386	47.38	ug/L	99
120) 1,2,4-trichlorobenzene	10.378	180	312107	51.31	ug/L	93
121) hexachlorobutadiene	10.445	225	108664	49.19	ug/L	93
122) naphthalene	10.536	128	1240380	55.85	ug/L	98
123) 1,2,3-trichlorobenzene	10.652	180	298596	49.61	ug/L	91
124) 2-methylnaphthalene	11.132	142	272894	28.11	ug/L	98

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

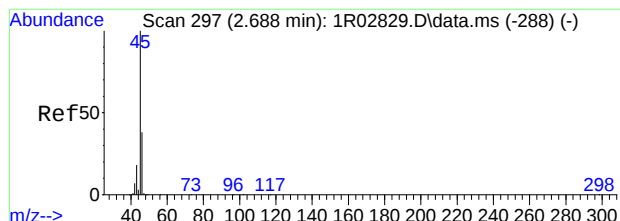
Quantitation Report (QT Reviewed)

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Data Path : C:\msdchem\1\data\Mei 04-06-2023\VR0100\  
Data File : 1R03029.D  
Acq On : 4 Apr 2023 4:36 pm  
Operator : nickw  
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ALS Vial : 18 Sample Multiplier: 1
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Quant Time: Apr 05 09:50:01 2023
Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M
Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Thu Mar 30 09:13:25 2023
Response via : Initial Calibration

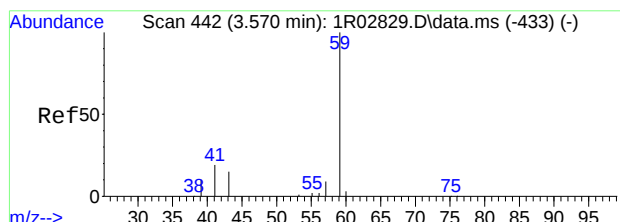
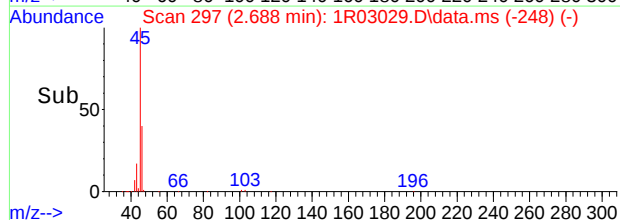
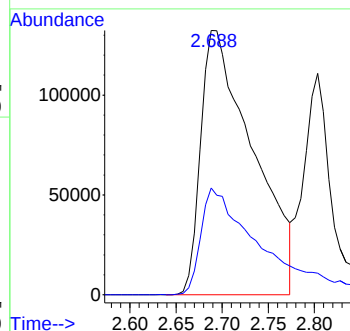
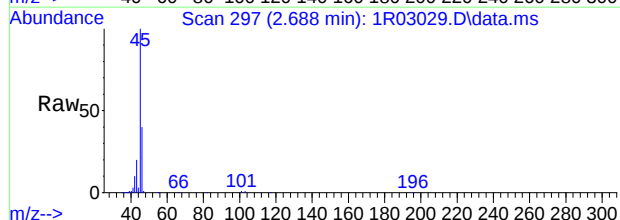


7.4.2



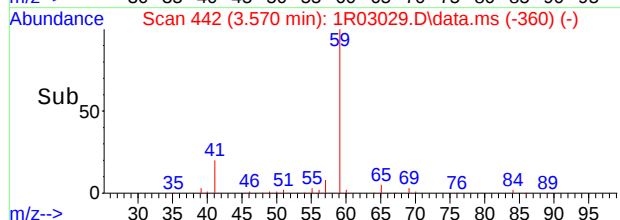
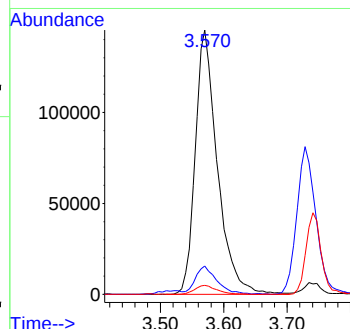
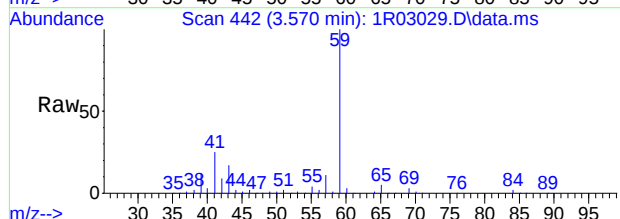
#2
ethanol
Concen: 4944.43 ug/L
RT: 2.688 min Scan# 297
Delta R.T. 0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

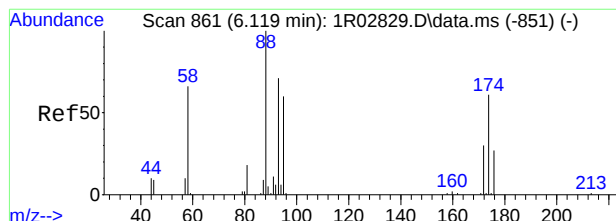
Tgt Ion: 45 Resp: 521423
Ion Ratio Lower Upper
45 100
46 40.4 17.8 57.8



#3
tertiary butyl alcohol
Concen: 239.73 ug/L
RT: 3.570 min Scan# 442
Delta R.T. 0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

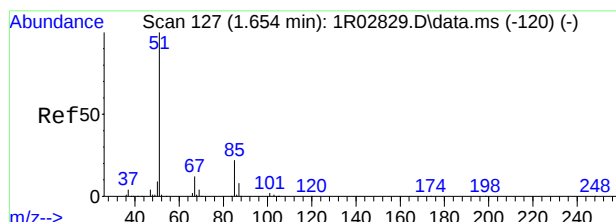
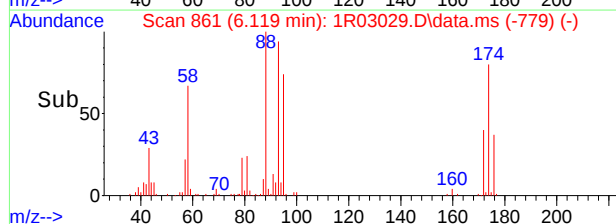
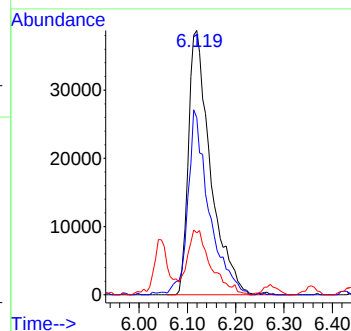
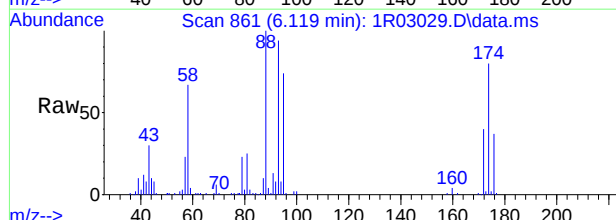
Tgt Ion: 59 Resp: 351576
Ion Ratio Lower Upper
59 100
57 9.3 0.0 39.1
60 3.5 0.0 32.9





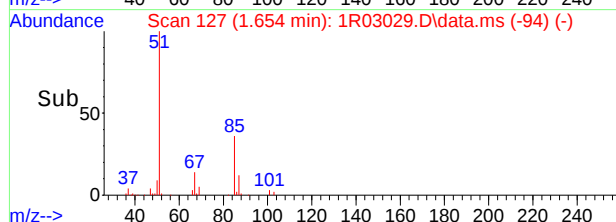
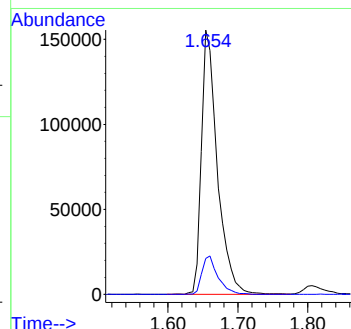
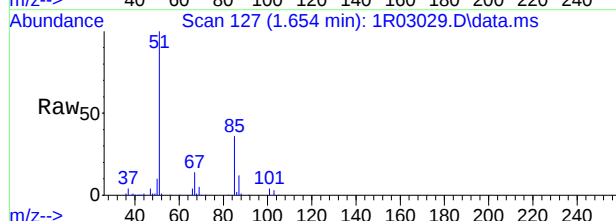
#4
1,4-dioxane
Concen: 1121.53 ug/L
RT: 6.119 min Scan# 861
Delta R.T. 0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

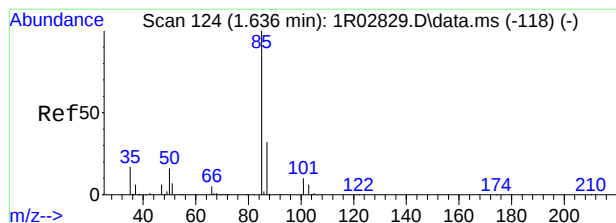
Tgt Ion	Ratio	Lower	Upper
88	100		
58	67.0	37.9	97.9
57	23.5	0.0	56.5



#6
chlorodifluoromethane
Concen: 46.23 ug/L
RT: 1.654 min Scan# 127
Delta R.T. -0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

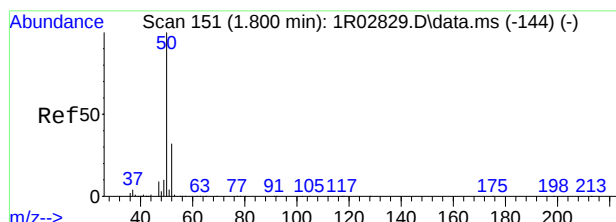
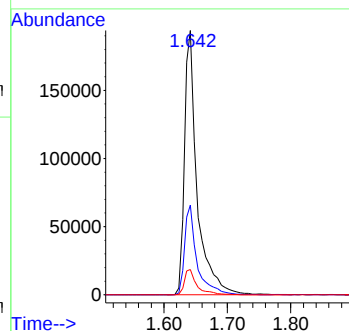
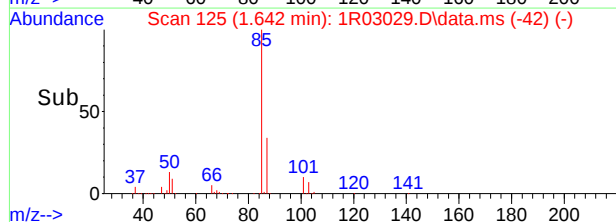
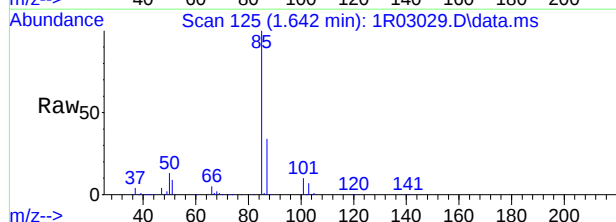
Tgt Ion	Ratio	Lower	Upper
51	100		
67	13.6	0.0	42.3





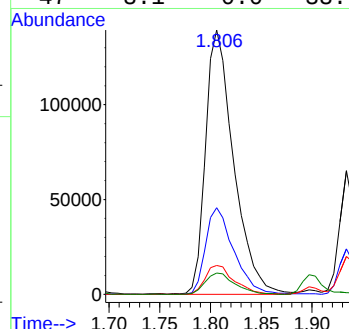
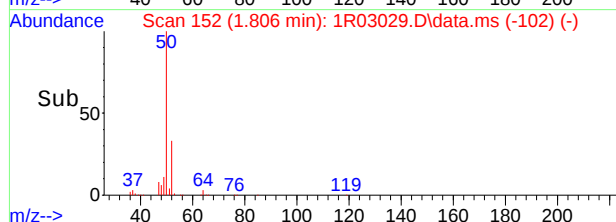
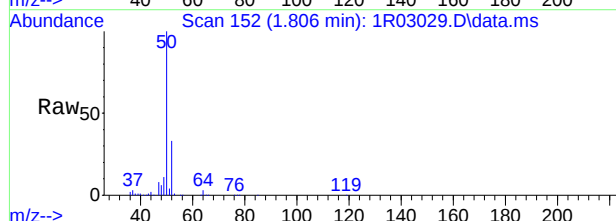
#7
dichlorodifluoromethane
Concen: 54.88 ug/L
RT: 1.642 min Scan# 125
Delta R.T. 0.006 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

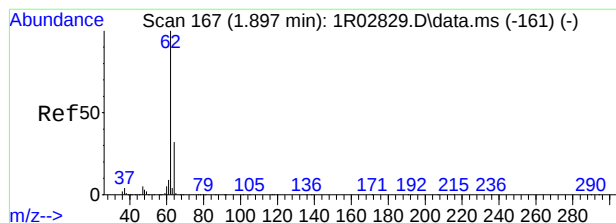
Tgt	Ion	85	Resp:	269988
	Ratio	100	Lower	Upper
	87	34.0	2.0	62.0
	101	9.5	0.0	40.1



#8
chloromethane
Concen: 35.17 ug/L
RT: 1.806 min Scan# 152
Delta R.T. 0.006 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

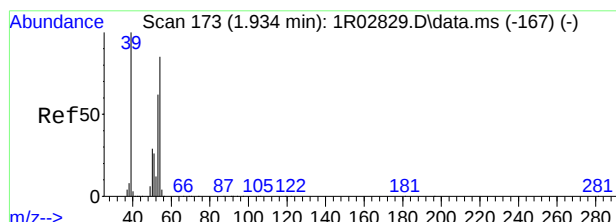
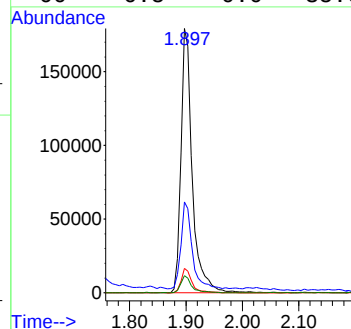
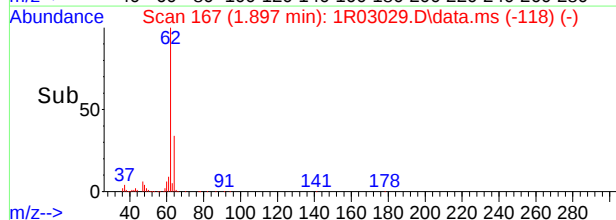
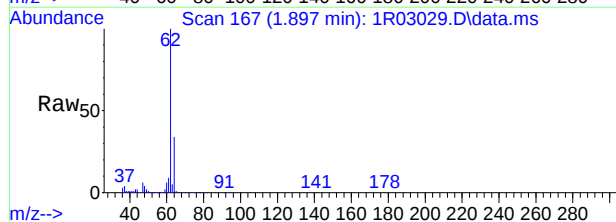
Tgt	Ion	50	Resp:	269087
	Ratio	100	Lower	Upper
	52	32.7	2.4	62.4
	49	10.9	0.0	40.3
	47	8.1	0.0	38.7





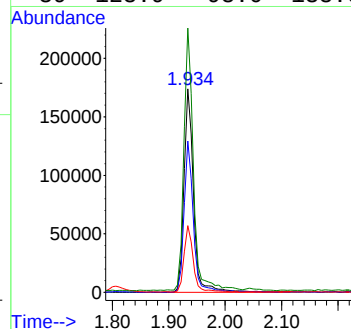
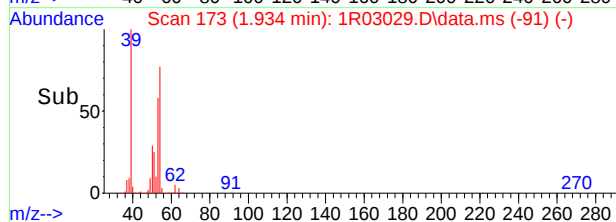
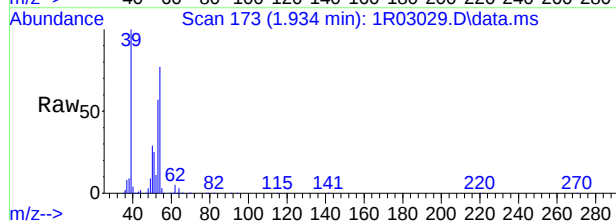
#9
vinyl chloride
Concen: 31.22 ug/L
RT: 1.897 min Scan# 167
Delta R.T. 0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

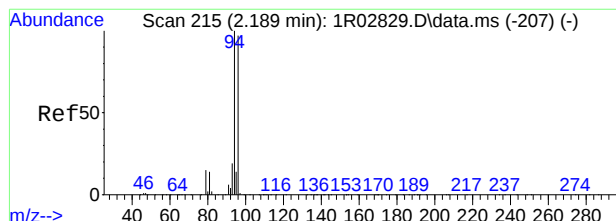
Tgt	Ion	Ratio	Lower	Upper
62	62	100		
64	64	33.3	2.7	62.7
61	61	9.3	0.0	39.1
60	60	6.5	0.0	35.6



#10
1,3-butadiene
Concen: 34.56 ug/L
RT: 1.934 min Scan# 173
Delta R.T. -0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

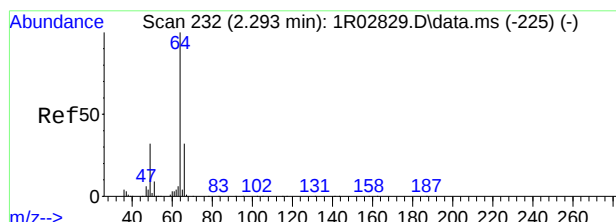
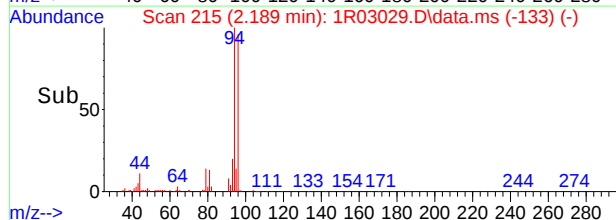
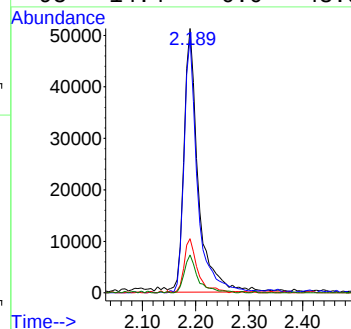
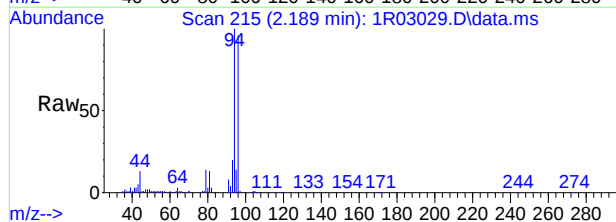
Tgt	Ion	Ratio	Lower	Upper
54	54	100		
53	53	74.3	52.9	92.9
51	51	32.6	10.6	50.6
39	39	128.9	98.0	138.0





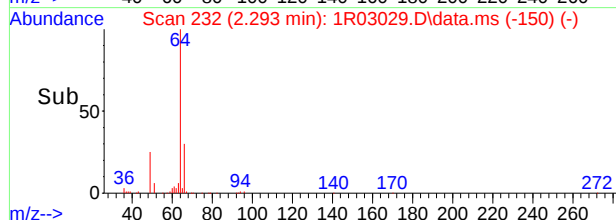
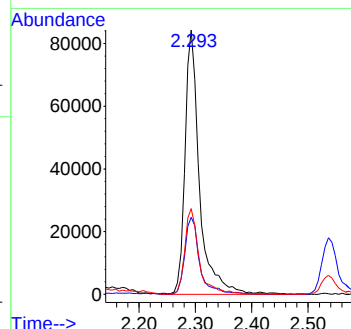
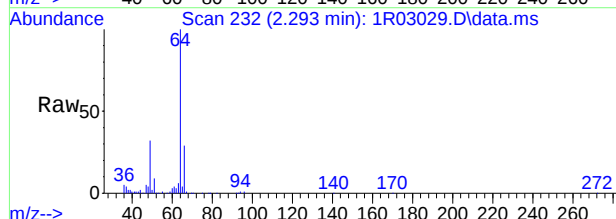
#11
bromomethane
Concen: 21.42 ug/L
RT: 2.189 min Scan# 215
Delta R.T. 0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

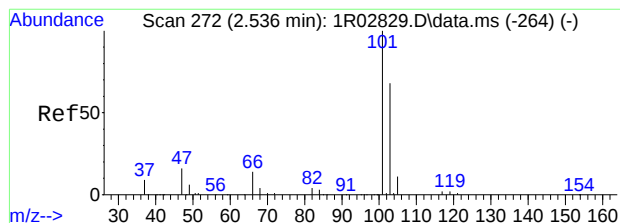
Tgt	Ion	Ratio	Lower	Upper
94	94	100		
96	96	96.8	66.4	126.4
93	93	20.6	0.0	49.0
95	95	14.4	0.0	43.9



#12
chloroethane
Concen: 37.19 ug/L
RT: 2.293 min Scan# 232
Delta R.T. -0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

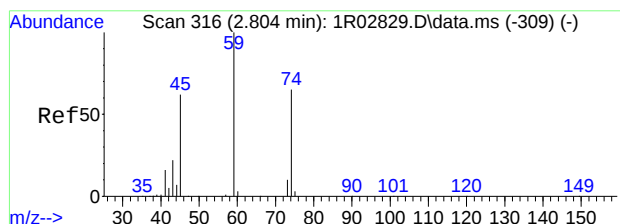
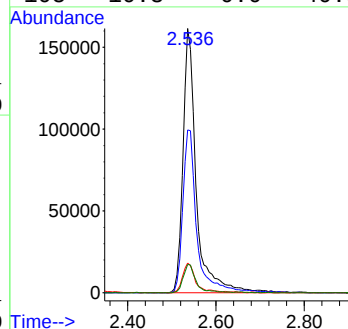
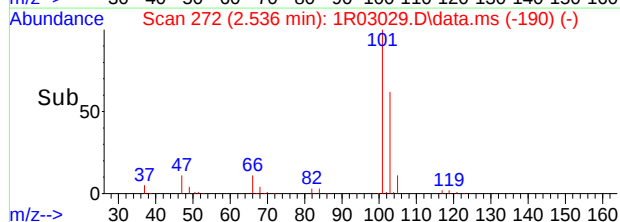
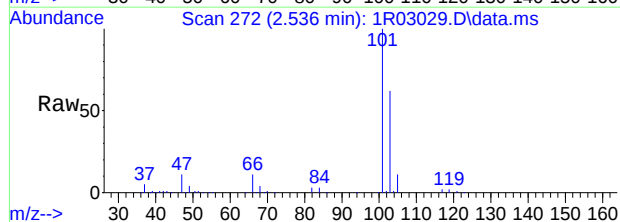
Tgt	Ion	Ratio	Lower	Upper
64	64	100		
66	66	29.1	1.8	61.8
49	49	32.4	2.2	62.2





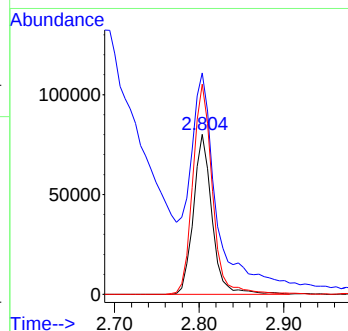
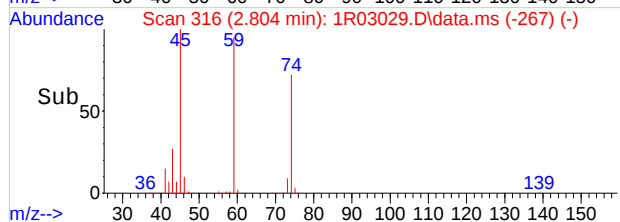
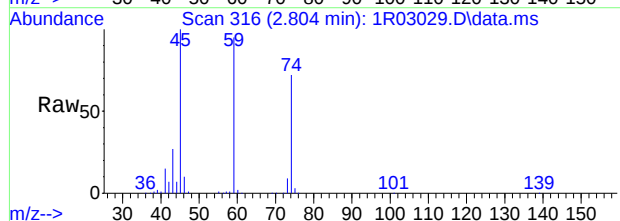
#13
trichlorofluoromethane
Concen: 55.03 ug/L
RT: 2.536 min Scan# 272
Delta R.T. 0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

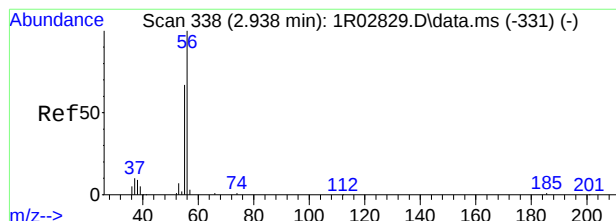
Tgt Ion	Ratio	Lower	Upper
101	100		
103	61.6	37.5	97.5
66	11.2	0.0	43.5
105	10.8	0.0	40.8



#14
ethyl ether
Concen: 48.37 ug/L
RT: 2.804 min Scan# 316
Delta R.T. -0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

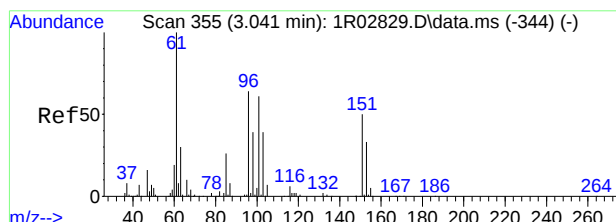
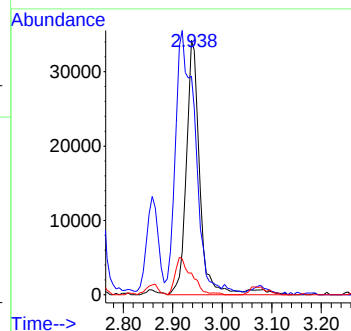
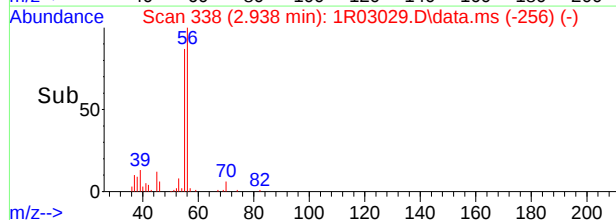
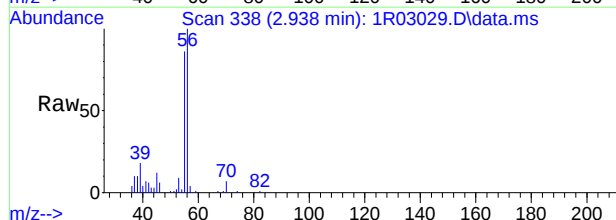
Tgt Ion	Ratio	Lower	Upper
74	100		
45	131.4	114.8	174.8
59	131.5	124.4	184.4





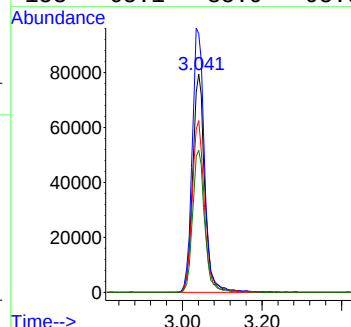
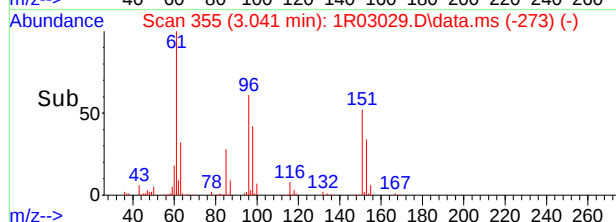
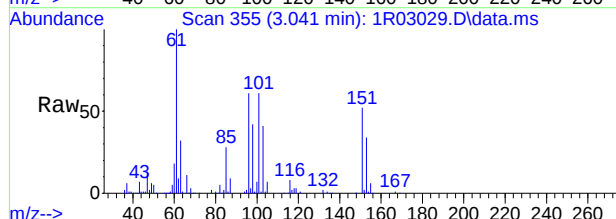
#15
acrolein
Concen: 45.00 ug/L
RT: 2.938 min Scan# 338
Delta R.T. -0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

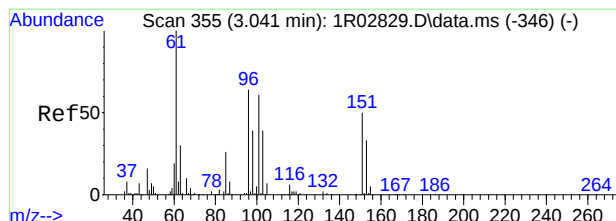
Tgt Ion	Ratio	Lower	Upper
56	100		
55	85.0	37.7	97.7
53	8.6	0.0	36.8



#16
freon 113
Concen: 48.07 ug/L
RT: 3.041 min Scan# 355
Delta R.T. -0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

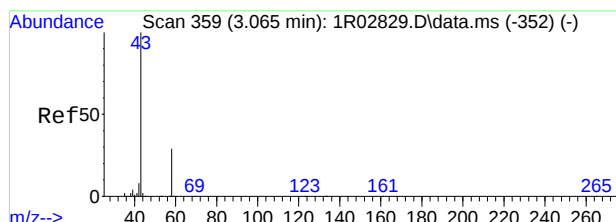
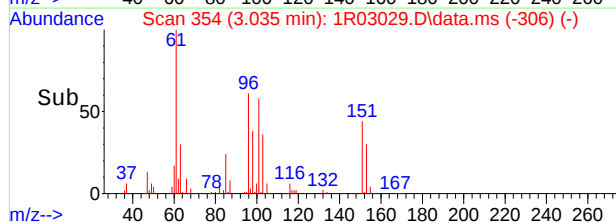
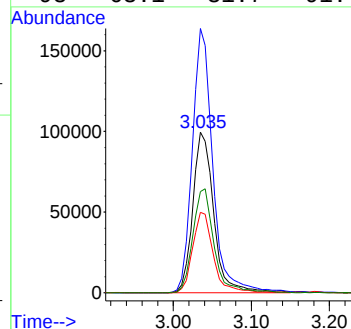
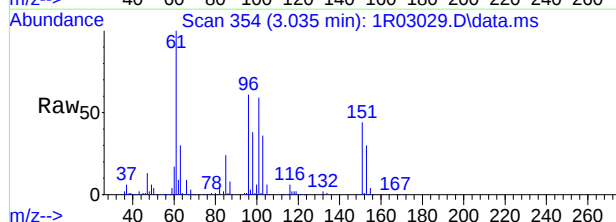
Tgt Ion	Ratio	Lower	Upper
151	100		
101	118.5	92.0	152.0
103	78.7	49.1	109.1
153	65.1	35.9	95.9





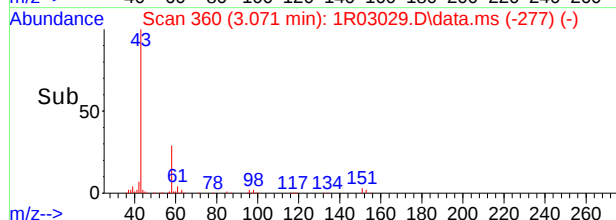
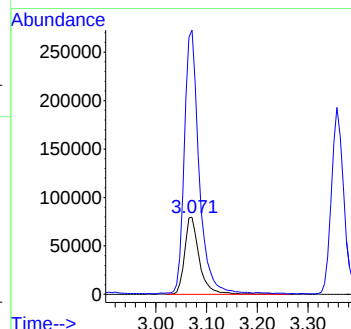
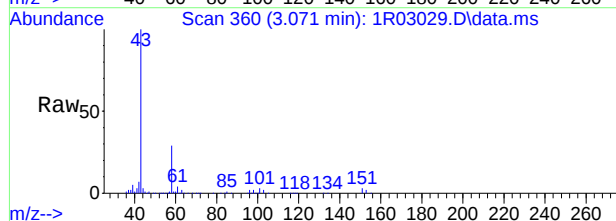
#17
1,1-dichloroethene
Concen: 47.38 ug/L
RT: 3.035 min Scan# 354
Delta R.T. -0.006 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

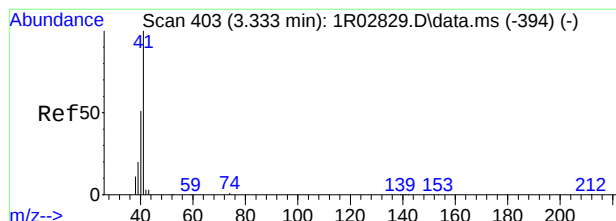
Tgt	Ion	Ratio	Lower	Upper
96	100			
61	164.7	126.6	186.6	
63	50.2	17.7	77.7	
98	63.1	31.7	91.7	



#18
acetone
Concen: 169.23 ug/L
RT: 3.071 min Scan# 360
Delta R.T. 0.006 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

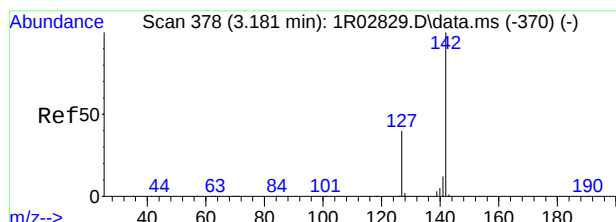
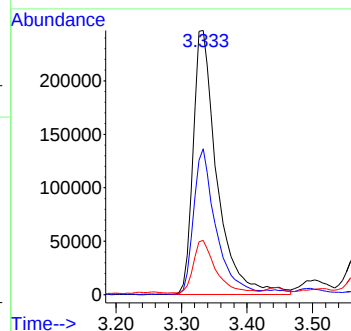
Tgt	Ion	Ratio	Lower	Upper
58	100			
43	341.6	311.9	371.9	





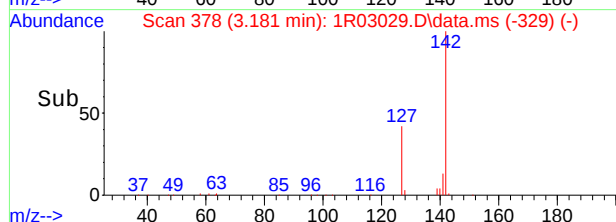
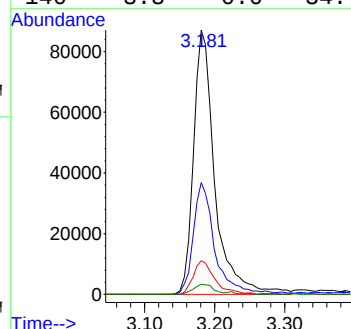
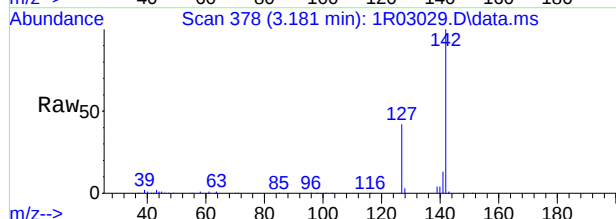
#19
acetonitrile
Concen: 486.44 ug/L
RT: 3.333 min Scan# 403
Delta R.T. -0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

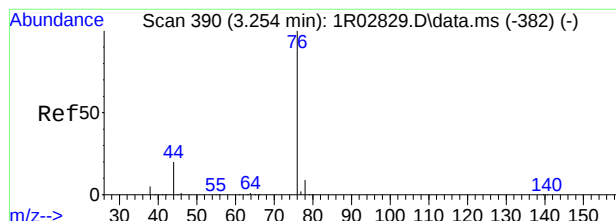
Tgt Ion	Ratio	Lower	Upper
41	100		
40	55.0	20.7	80.7
39	20.0	0.0	50.4



#20
iodomethane
Concen: 61.58 ug/L
RT: 3.181 min Scan# 378
Delta R.T. -0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

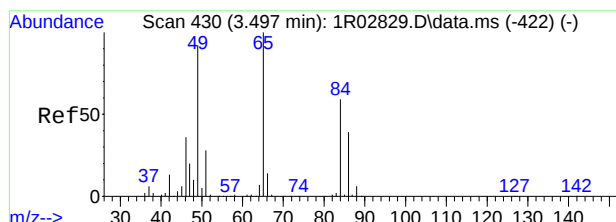
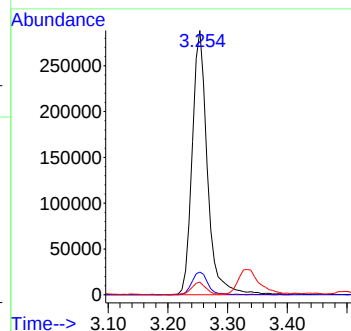
Tgt Ion	Ratio	Lower	Upper
142	100		
127	42.3	10.3	70.3
141	12.7	0.0	42.1
140	3.8	0.0	34.7





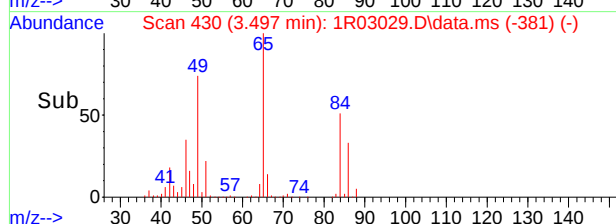
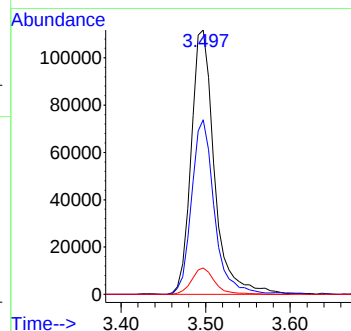
#21
carbon disulfide
Concen: 44.11 ug/L
RT: 3.254 min Scan# 390
Delta R.T. -0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

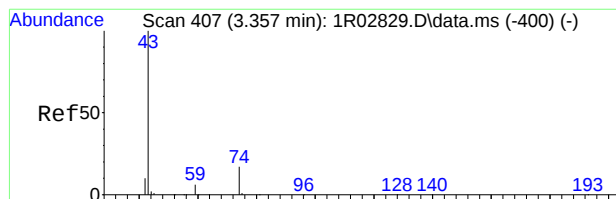
Tgt Ion	Ratio	Lower	Upper
76	100		
78	8.6	0.0	39.3
38	4.6	0.0	34.5



#22
methylene chloride
Concen: 49.62 ug/L
RT: 3.497 min Scan# 430
Delta R.T. 0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

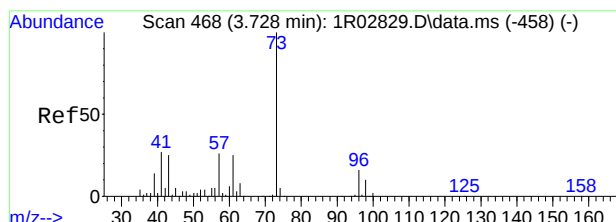
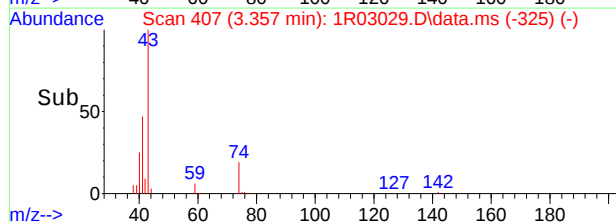
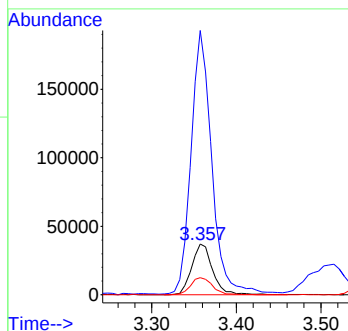
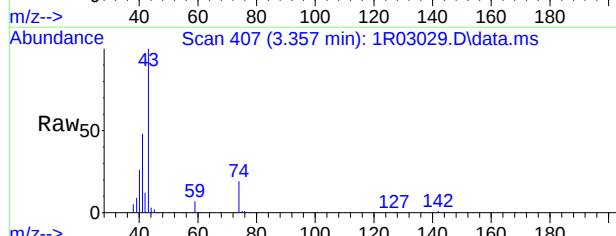
Tgt Ion	Ratio	Lower	Upper
84	100		
86	66.0	35.5	95.5
88	9.9	0.0	40.7





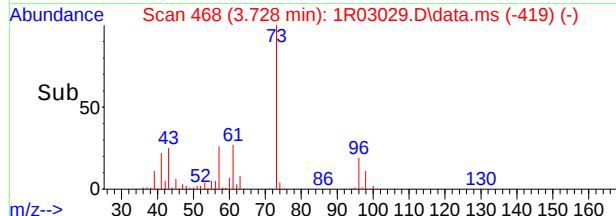
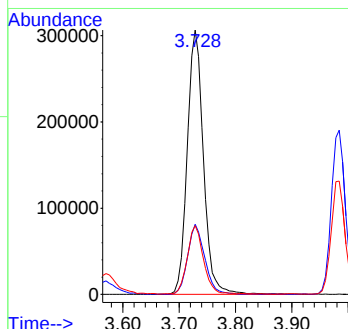
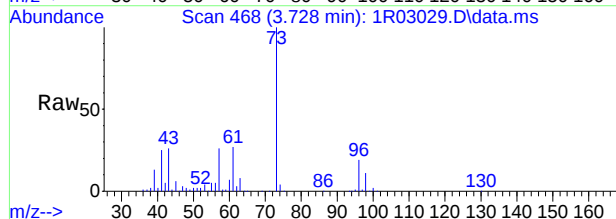
#23
methyl acetate
Concen: 49.92 ug/L
RT: 3.357 min Scan# 407
Delta R.T. 0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

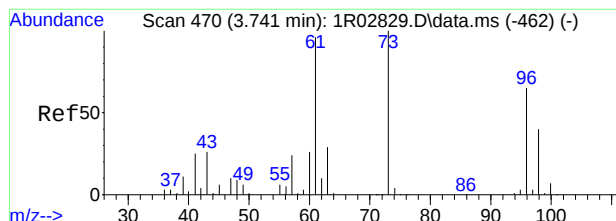
Tgt Ion	Ratio	Lower	Upper
74	100		
43	520.0	564.6	624.6#
59	34.0	7.1	67.1



#24
methyl tert butyl ether
Concen: 49.71 ug/L
RT: 3.728 min Scan# 468
Delta R.T. 0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

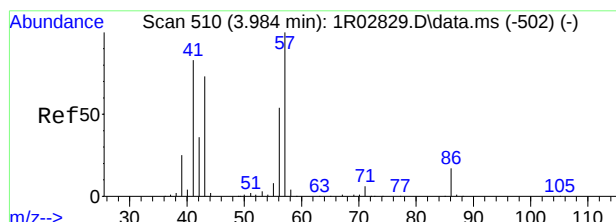
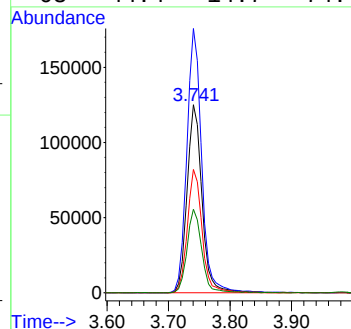
Tgt Ion	Ratio	Lower	Upper
73	100		
57	26.5	0.0	55.9
43	25.8	0.0	55.4





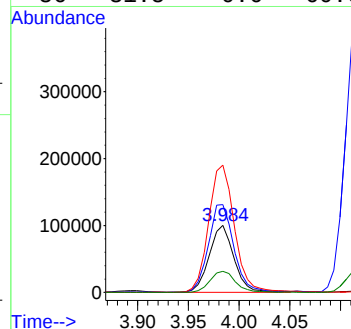
#25
trans-1,2-dichloroethene
Concen: 48.18 ug/L
RT: 3.741 min Scan# 470
Delta R.T. -0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

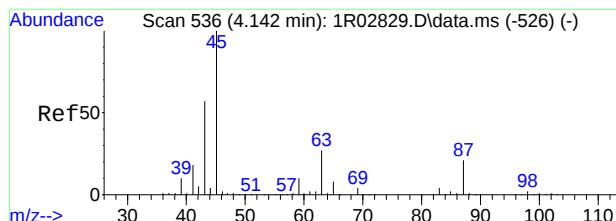
Tgt	Ion	96	Resp:	210969
	Ratio	100	Lower	Upper
	61	140.6	117.5	177.5
	98	65.6	31.0	91.0
	63	44.4	14.7	74.7



#26
hexane
Concen: 46.08 ug/L
RT: 3.984 min Scan# 510
Delta R.T. -0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

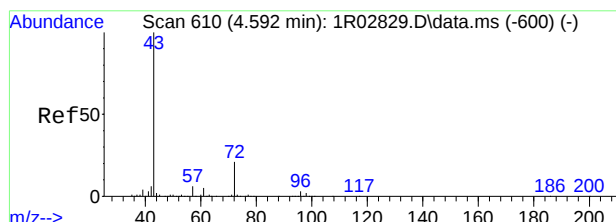
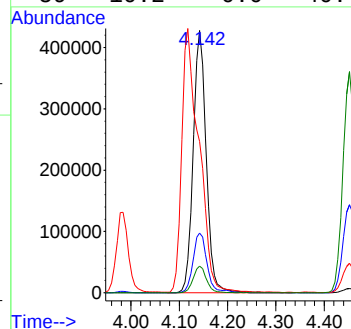
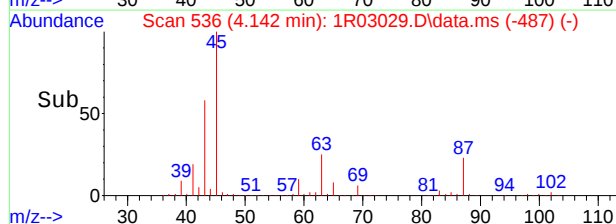
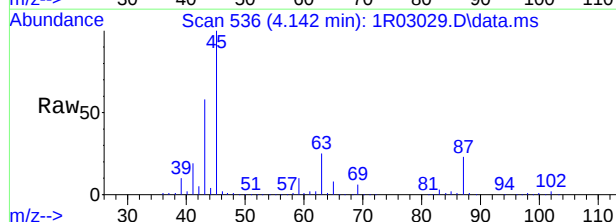
Tgt	Ion	56	Resp:	171032
	Ratio	100	Lower	Upper
	43	130.6	105.1	165.1
	57	189.6	154.8	214.8
	86	31.5	0.6	60.6





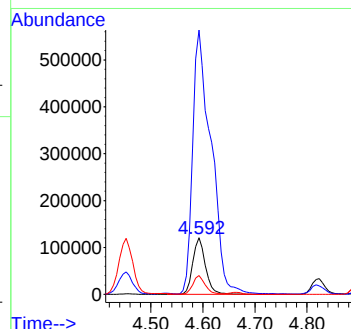
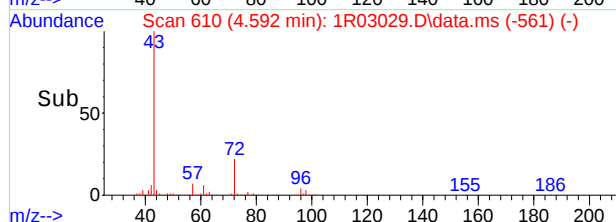
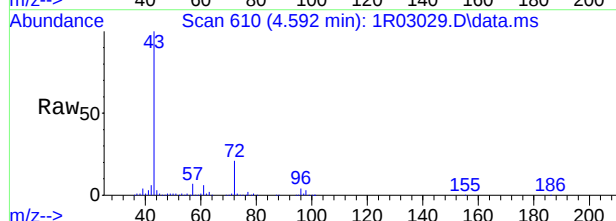
#27
di-isopropyl ether
Concen: 46.04 ug/L
RT: 4.142 min Scan# 536
Delta R.T. 0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

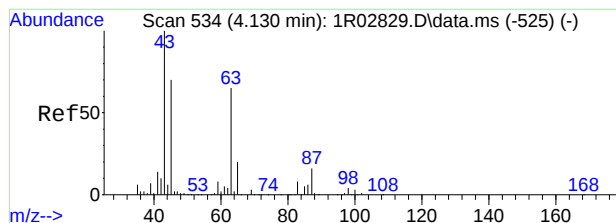
Tgt Ion	Ratio	Resp	Lower	Upper
45	100	802316		
87	22.7		0.0	51.0
43	57.5		27.5	87.5
59	10.2		0.0	40.4



#28
2-butanone
Concen: 183.20 ug/L
RT: 4.592 min Scan# 610
Delta R.T. 0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

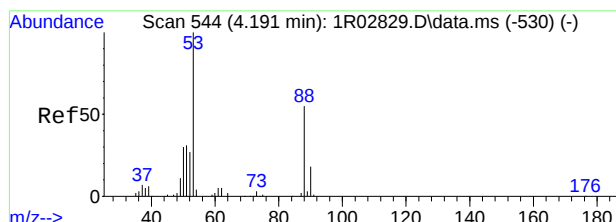
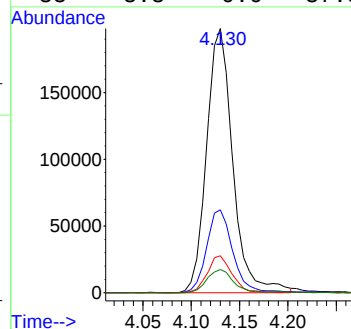
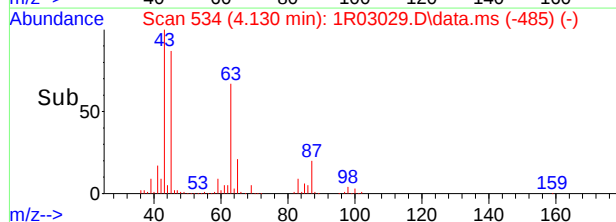
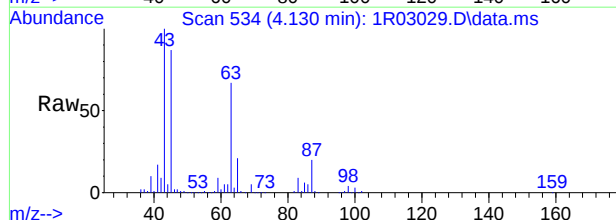
Tgt Ion	Ratio	Resp	Lower	Upper
72	100	205208		
43	465.2		444.7	504.7
57	33.3		0.2	60.2





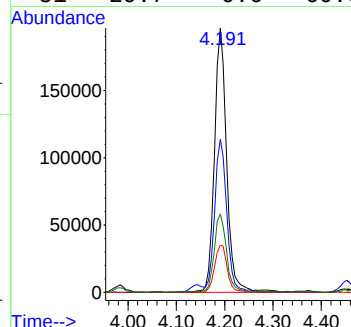
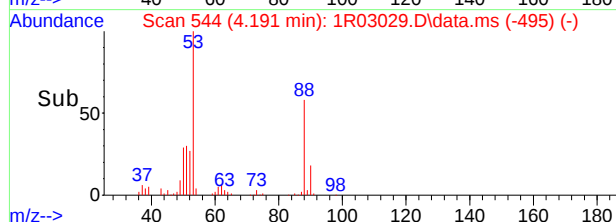
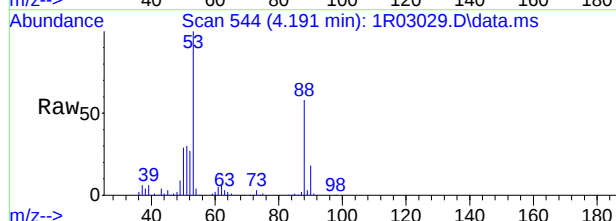
#29
1,1-dichloroethane
Concen: 45.70 ug/L
RT: 4.130 min Scan# 534
Delta R.T. -0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

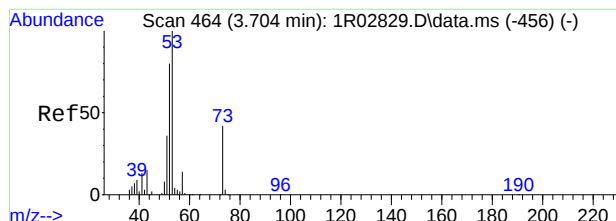
Tgt	Ion	Ratio	Resp	Lower	Upper
63	100		375627		
65	31.4	0.3	60.3		
83	14.0	0.0	42.5		
85	8.8	0.0	37.5		



#30
chloroprene
Concen: 49.08 ug/L
RT: 4.191 min Scan# 544
Delta R.T. -0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

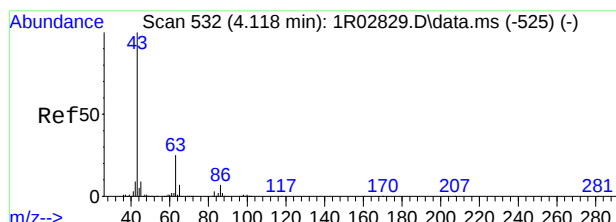
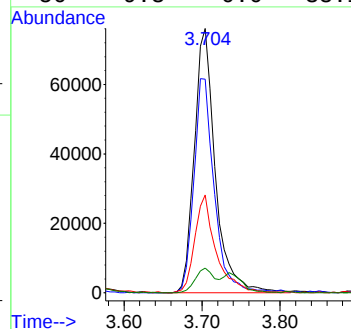
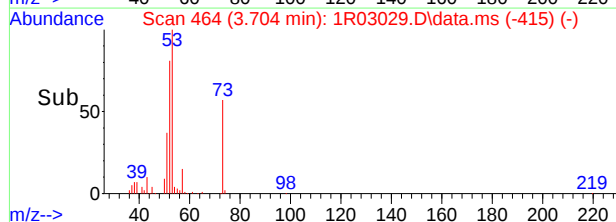
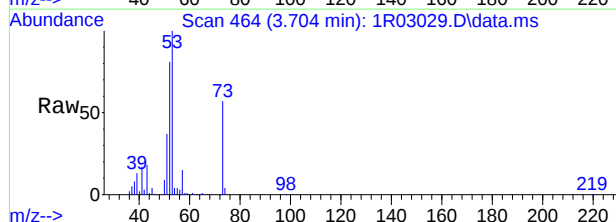
Tgt	Ion	Ratio	Resp	Lower	Upper
53	100		347584		
88	57.9	25.1	85.1		
90	17.9	0.0	47.7		
51	29.7	0.6	60.6		





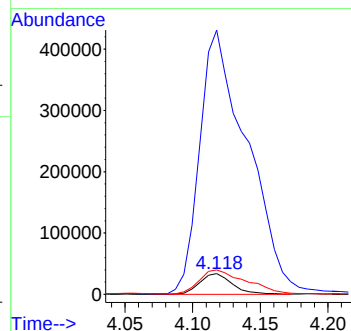
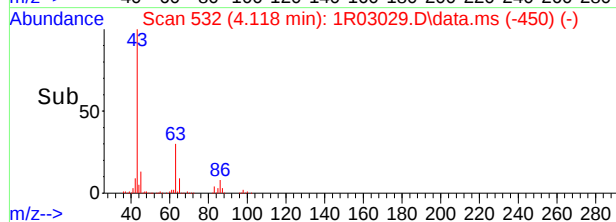
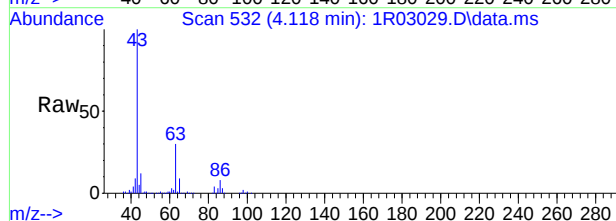
#31
acrylonitrile
Concen: 44.81 ug/L
RT: 3.704 min Scan# 464
Delta R.T. 0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

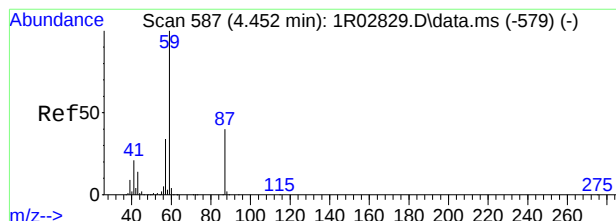
Tgt Ion	Ratio	Lower	Upper
53	100		
52	80.8	49.6	109.6
51	37.0	6.3	66.3
50	9.3	0.0	38.1



#32
vinyl acetate
Concen: 51.16 ug/L
RT: 4.118 min Scan# 532
Delta R.T. -0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

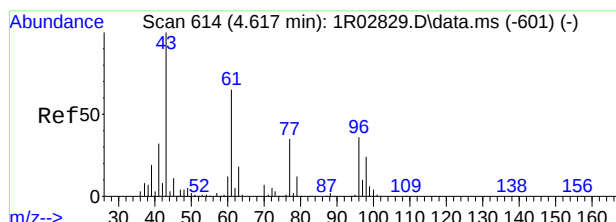
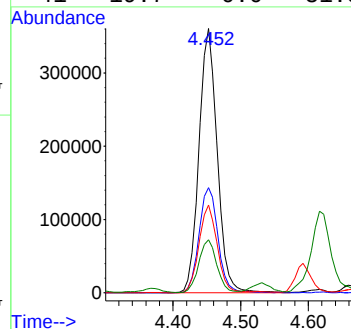
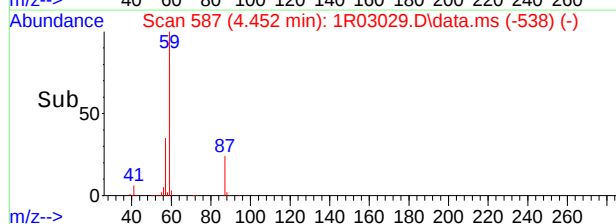
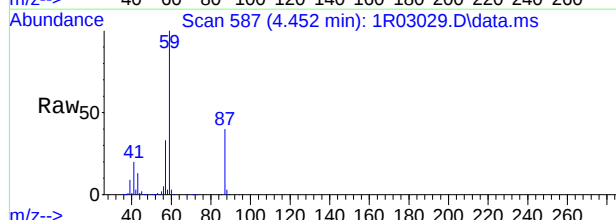
Tgt Ion	Ratio	Lower	Upper
86	100		
43	1272.3	1351.3	1411.3#
42	115.8	101.0	161.0





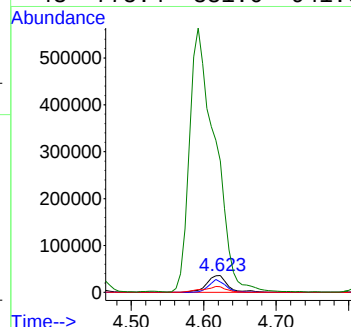
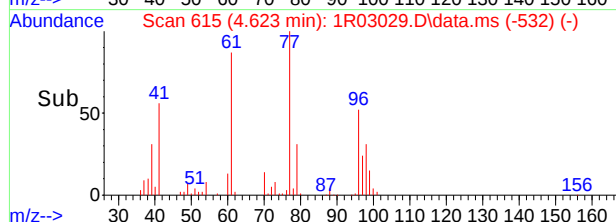
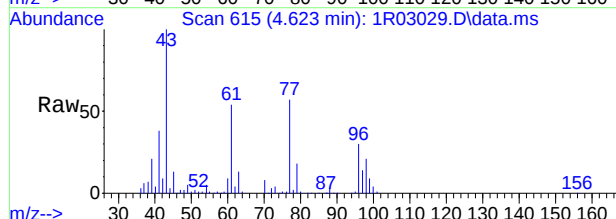
#33
ethyl tert-butyl ether
Concen: 49.24 ug/L
RT: 4.452 min Scan# 587
Delta R.T. 0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

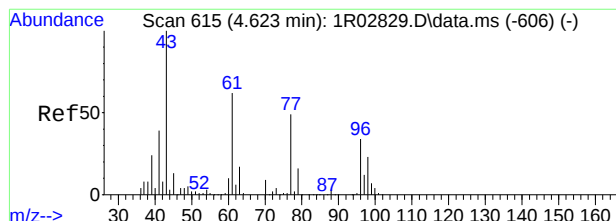
Tgt Ion	Ratio	Lower	Upper
59	100		
87	39.8	9.9	69.9
57	33.2	4.4	64.4
41	19.7	0.0	51.3



#34
ethyl acetate
Concen: 47.16 ug/L
RT: 4.623 min Scan# 615
Delta R.T. 0.006 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

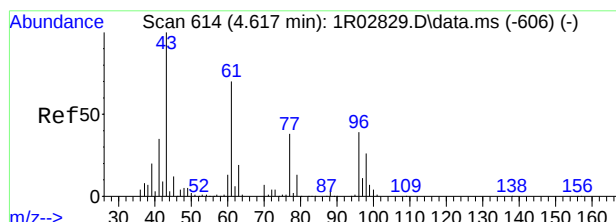
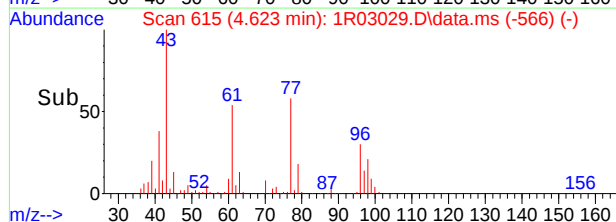
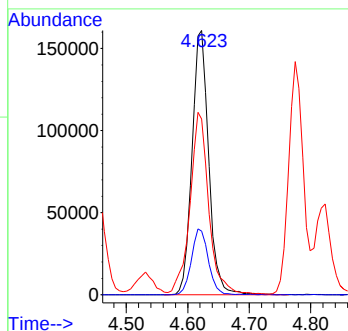
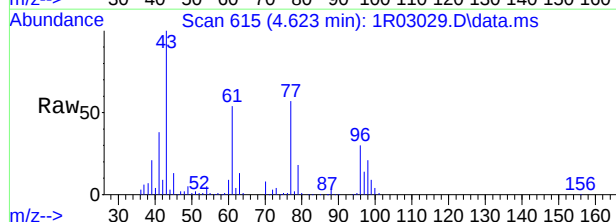
Tgt Ion	Ratio	Lower	Upper
45	100		
70	61.5	32.8	92.8
73	34.0	0.4	60.4
43	775.4	881.6	941.6#





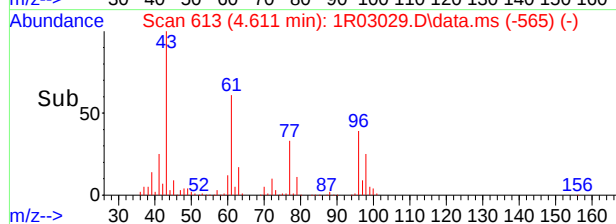
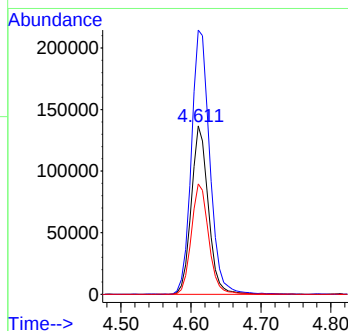
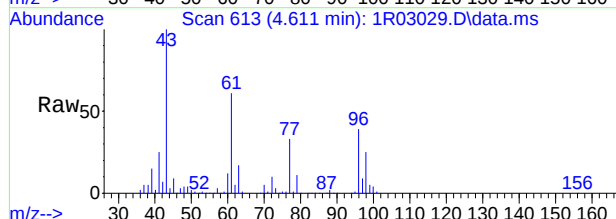
#35
2,2-dichloropropane
Concen: 50.37 ug/L
RT: 4.623 min Scan# 615
Delta R.T. -0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

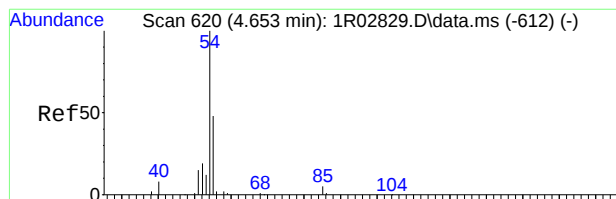
Tgt Ion	Ratio	Lower	Upper
77	100		
97	24.1	0.0	54.9
41	65.5	48.9	108.9



#36
cis-1,2-dichloroethene
Concen: 47.38 ug/L
RT: 4.611 min Scan# 613
Delta R.T. -0.006 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

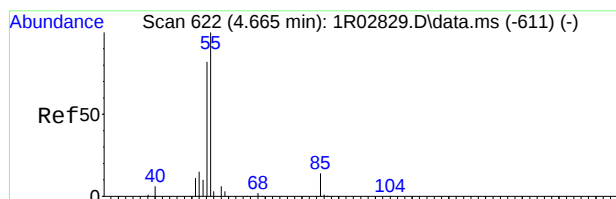
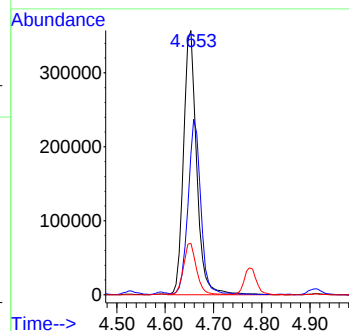
Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.9	151.5	211.5
98	65.7	36.9	96.9





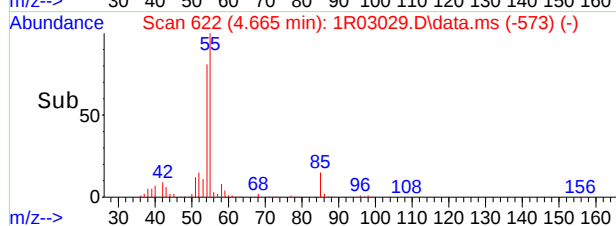
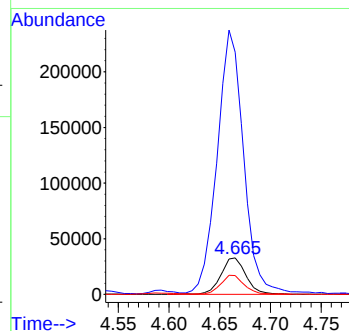
#37
propionitrile
Concen: 468.12 ug/L
RT: 4.653 min Scan# 620
Delta R.T. 0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

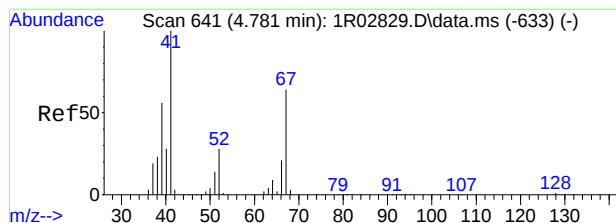
Tgt Ion	54	55	52
Ion	54	55	52
Ratio	100	52.9	19.5
Lower		18.4	0.0
Upper		78.4	49.4



#38
methyl acrylate
Concen: 47.82 ug/L
RT: 4.665 min Scan# 622
Delta R.T. 0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

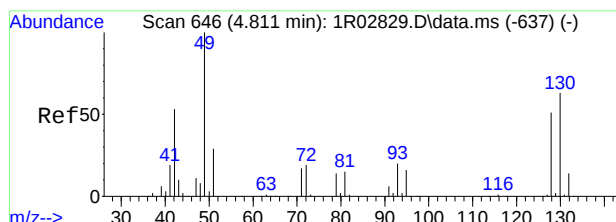
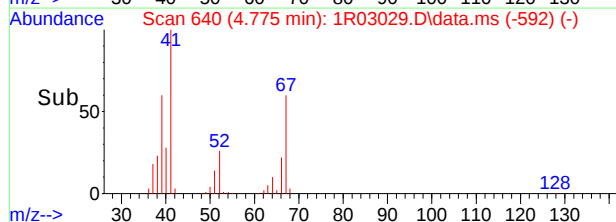
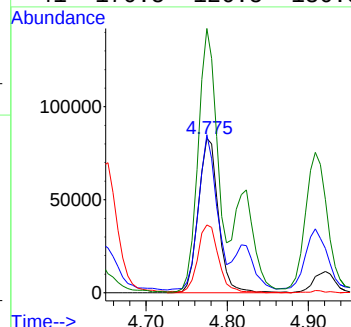
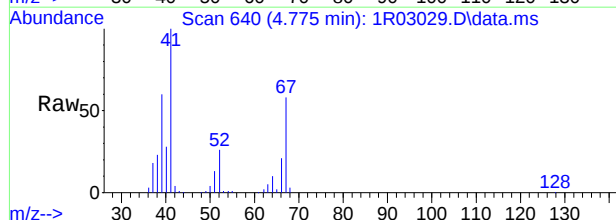
Tgt Ion	85	55	58
Ion	85	55	58
Ratio	100	656.4	51.4
Lower		692.7	23.8
Upper		732.7#	63.8





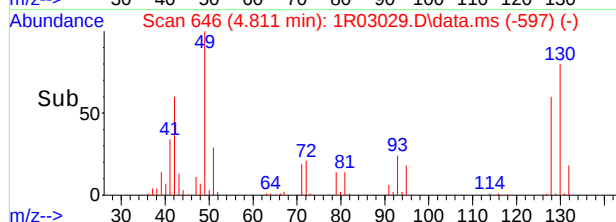
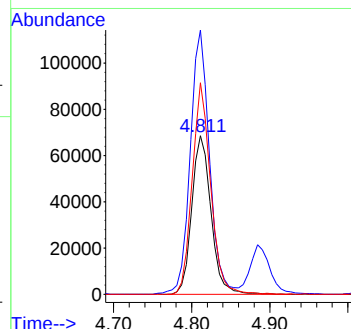
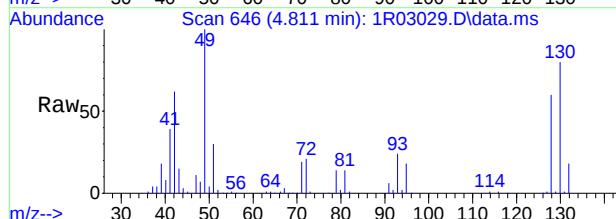
#39
methacrylonitrile
Concen: 45.66 ug/L
RT: 4.775 min Scan# 640
Delta R.T. -0.006 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

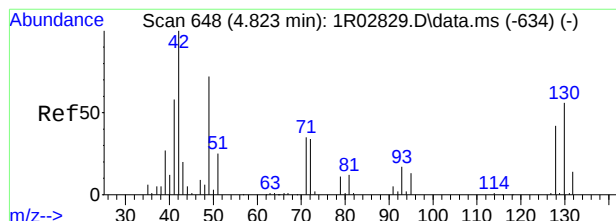
Tgt Ion	Ratio	Lower	Upper
67	100		
39	100.6	57.2	117.2
52	43.9	14.4	74.4
41	170.5	126.5	186.5



#40
bromochloromethane
Concen: 50.66 ug/L
RT: 4.811 min Scan# 646
Delta R.T. 0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

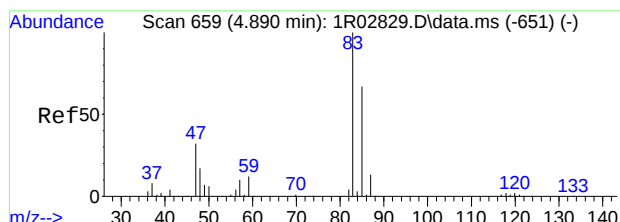
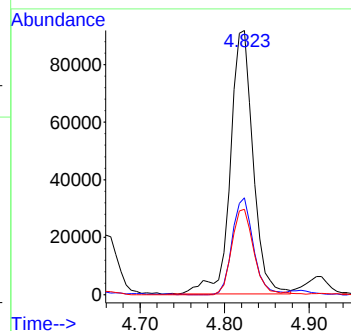
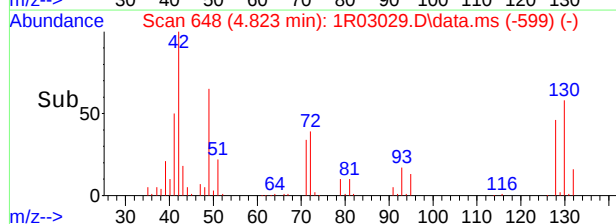
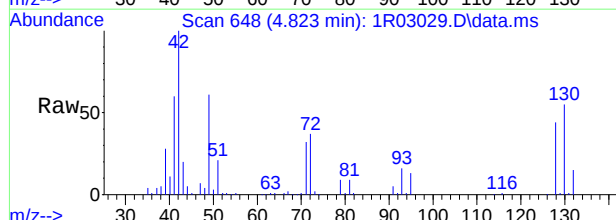
Tgt Ion	Ratio	Lower	Upper
128	100		
49	165.1	167.6	227.6#
130	133.5	94.5	154.5





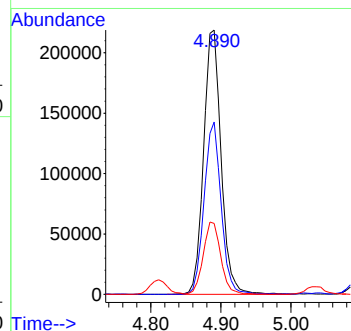
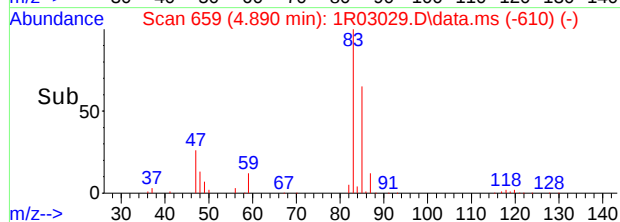
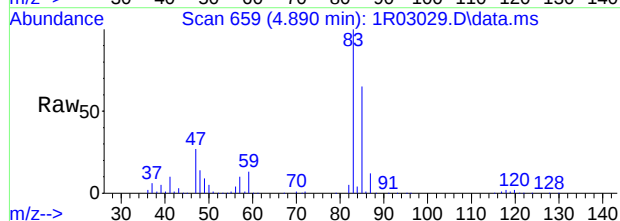
#41
tetrahydrofuran
Concen: 44.03 ug/L
RT: 4.823 min Scan# 648
Delta R.T. 0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

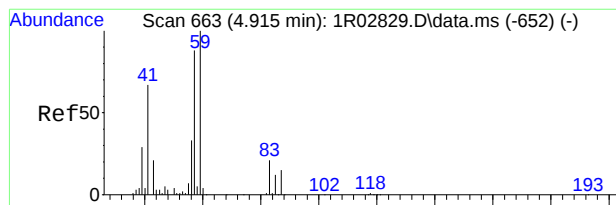
Tgt Ion: 42 Resp: 171577
Ion Ratio Lower Upper
42 100
72 36.5 3.7 63.7
71 32.5 5.4 65.4



#42
chloroform
Concen: 47.40 ug/L
RT: 4.890 min Scan# 659
Delta R.T. 0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

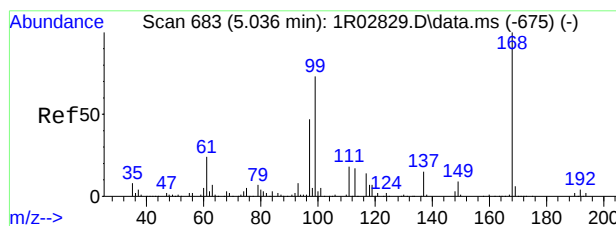
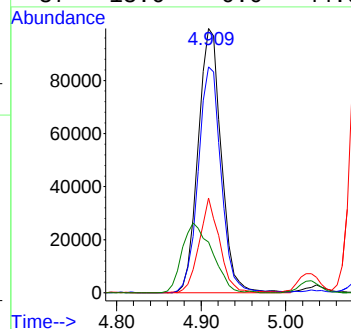
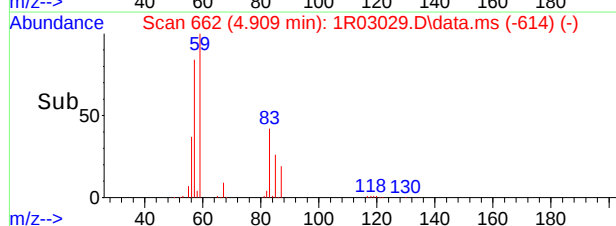
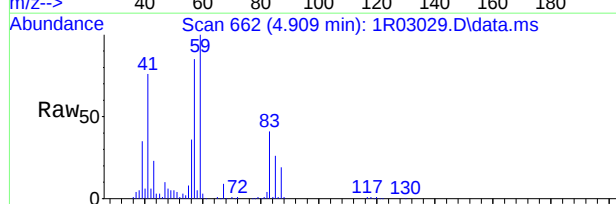
Tgt Ion: 83 Resp: 381233
Ion Ratio Lower Upper
83 100
85 65.2 36.6 96.6
47 26.8 2.5 62.5





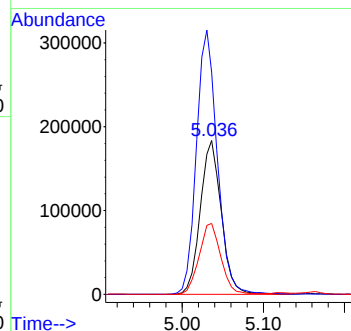
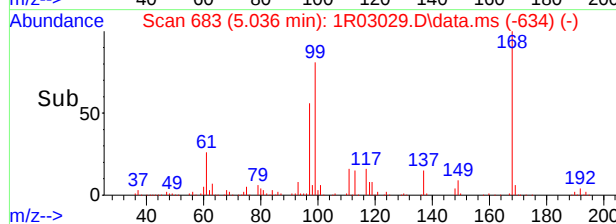
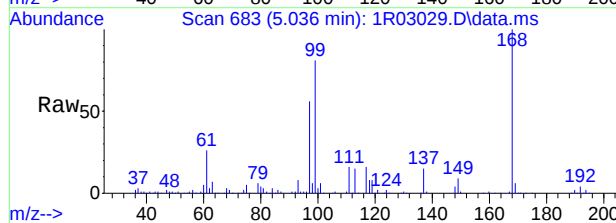
#43
tert-Butyl Formate
Concen: 43.32 ug/L
RT: 4.909 min Scan# 662
Delta R.T. -0.006 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

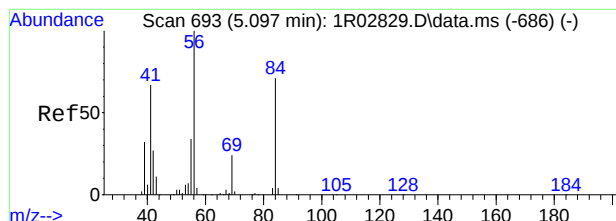
Tgt Ion: 59 Resp: 189820
Ion Ratio Lower Upper
59 100
57 85.2 57.8 117.8
56 35.8 2.6 62.6
87 18.6 0.0 44.9



#45
1,1,1-trichloroethane
Concen: 47.58 ug/L
RT: 5.036 min Scan# 683
Delta R.T. 0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

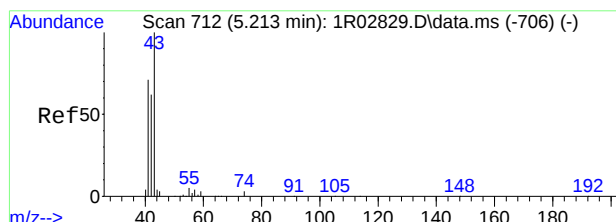
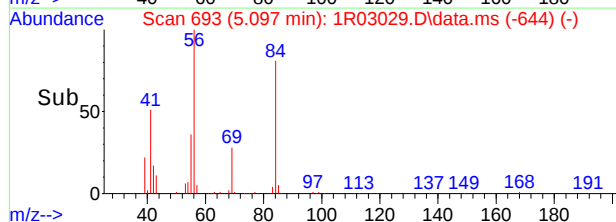
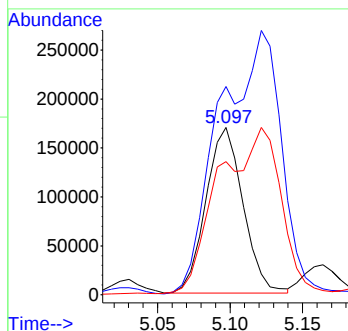
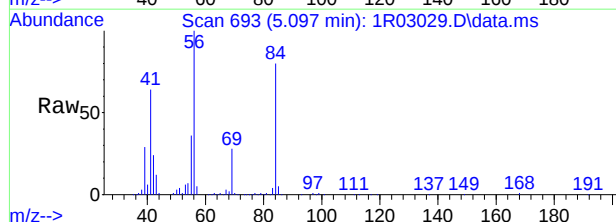
Tgt Ion: 97 Resp: 329849
Ion Ratio Lower Upper
97 100
99 144.6 125.4 185.4
61 46.2 21.5 81.5





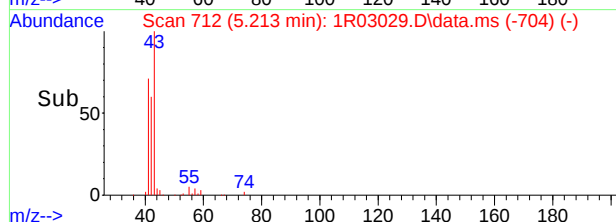
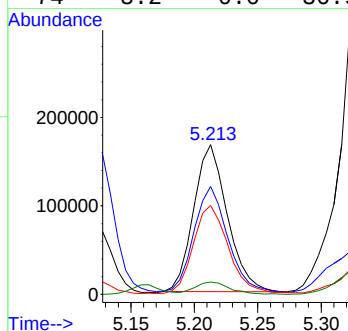
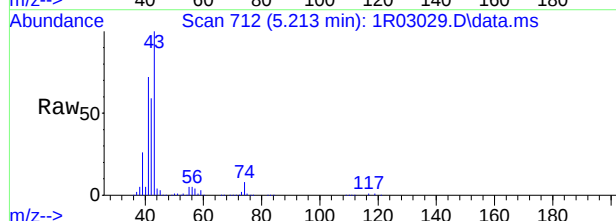
#46
cyclohexane
Concen: 46.86 ug/L
RT: 5.097 min Scan# 693
Delta R.T. 0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

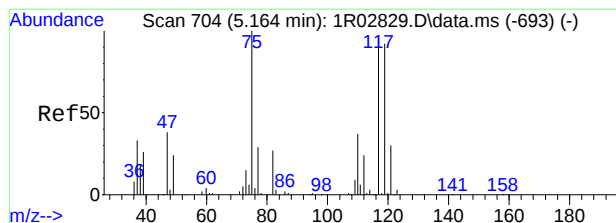
Tgt Ion: 84 Resp: 301574
Ion Ratio Lower Upper
84 100
56 125.1 110.2 170.2
41 79.5 64.4 124.4



#47
isobutyl alcohol
Concen: 520.11 ug/L
RT: 5.213 min Scan# 712
Delta R.T. -0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

Tgt Ion: 43 Resp: 305889
Ion Ratio Lower Upper
43 100
41 72.4 41.5 101.5
42 59.9 32.0 92.0
74 8.2 0.0 36.9





#48

1,1-dichloropropene

Concen: 47.49 ug/L

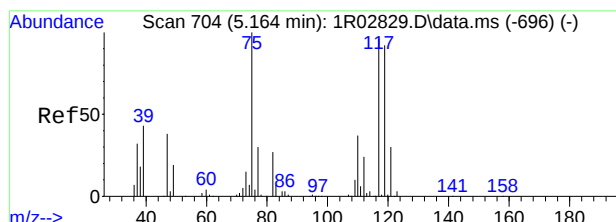
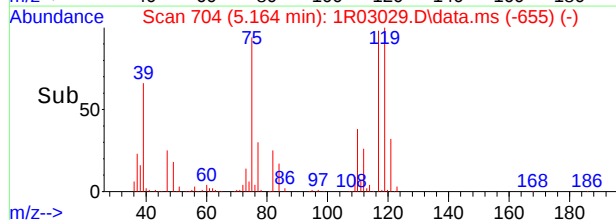
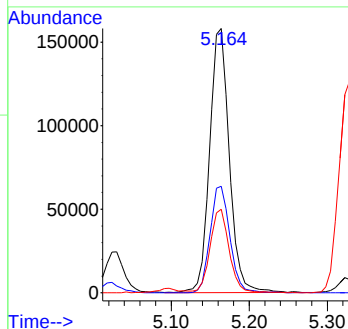
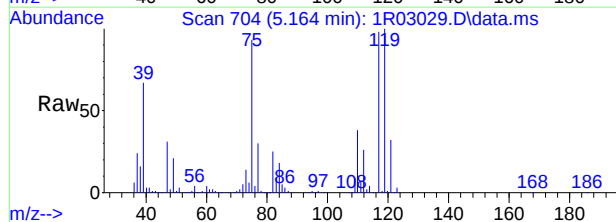
RT: 5.164 min Scan# 704

Delta R.T. 0.000 min

Lab File: 1R03029.D

Acq: 4 Apr 2023 4:36 pm

Tgt Ion:	75	Resp:	275840
Ion Ratio	Lower	Upper	
75	100		
110	40.4	16.6	56.6
77	31.6	10.2	50.2



#49

carbon tetrachloride

Concen: 52.72 ug/L

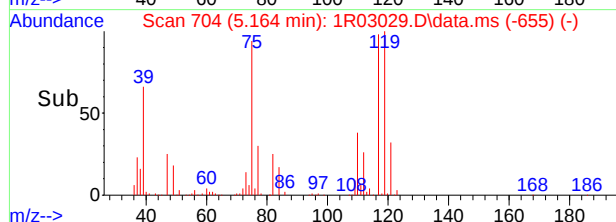
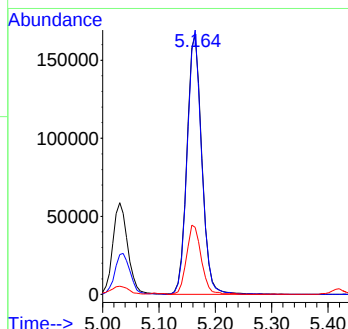
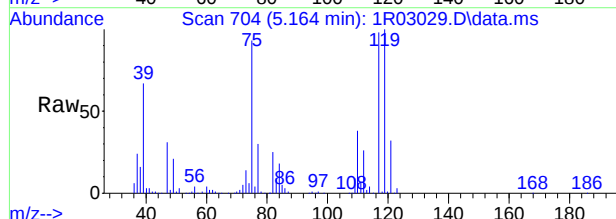
RT: 5.164 min Scan# 704

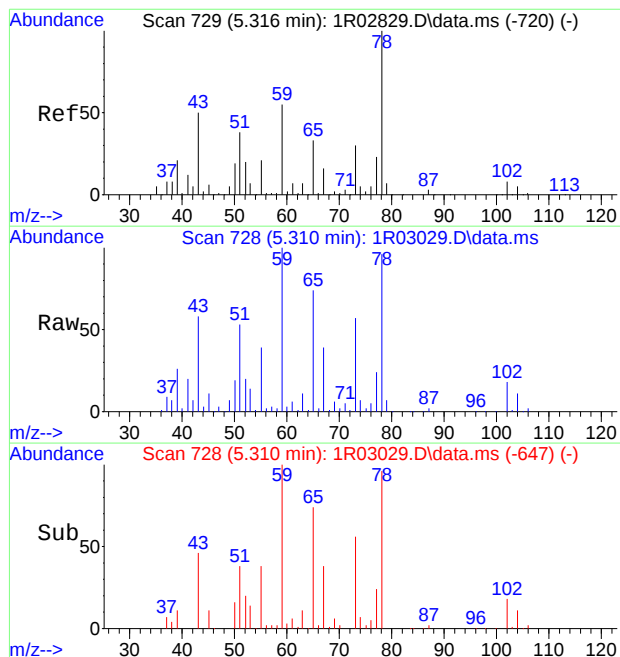
Delta R.T. 0.000 min

Lab File: 1R03029.D

Acq: 4 Apr 2023 4:36 pm

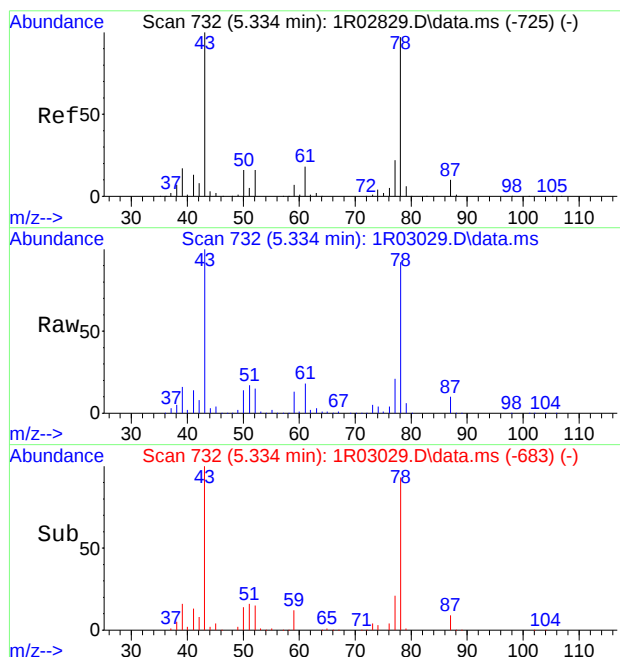
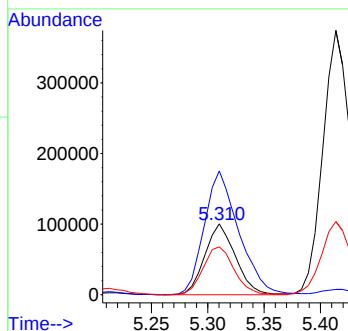
Tgt Ion:	117	Resp:	304665
Ion Ratio	Lower	Upper	
117	100		
119	102.2	76.3	116.3
82	26.0	0.0	58.8





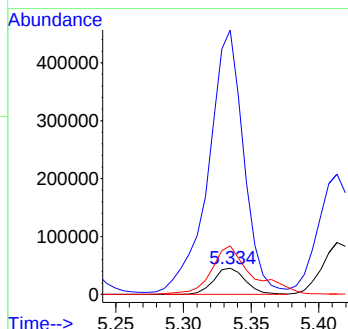
#50
tert-amyl alcohol
Concen: 272.30 ug/L
RT: 5.310 min Scan# 728
Delta R.T. -0.006 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

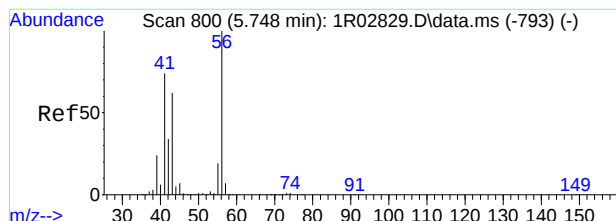
Tgt Ion	Ratio	Lower	Upper
73	100		
59	174.4	161.2	201.2
55	67.0	38.8	98.8



#51
isopropyl acetate
Concen: 47.79 ug/L
RT: 5.334 min Scan# 732
Delta R.T. 0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

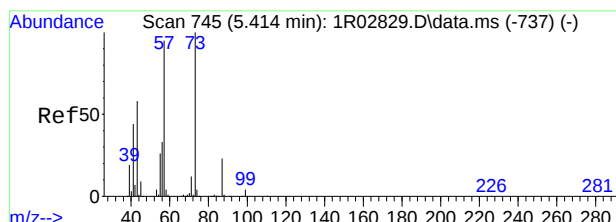
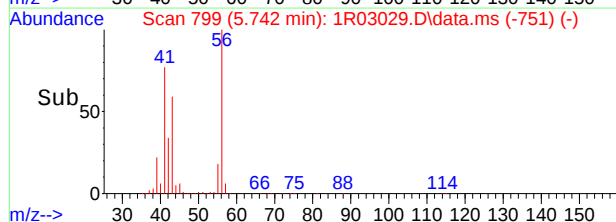
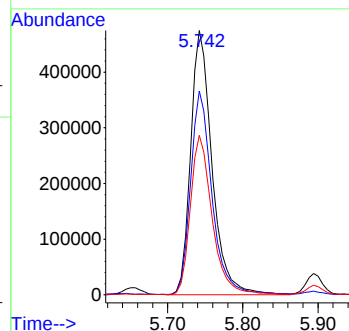
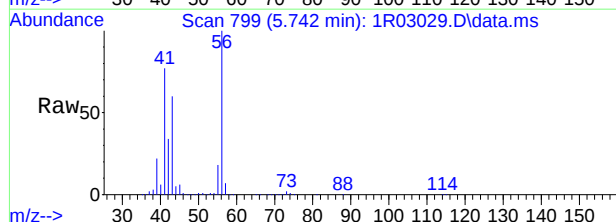
Tgt Ion	Ratio	Lower	Upper
87	100		
43	988.4	982.5	1042.5
61	181.6	145.1	205.1





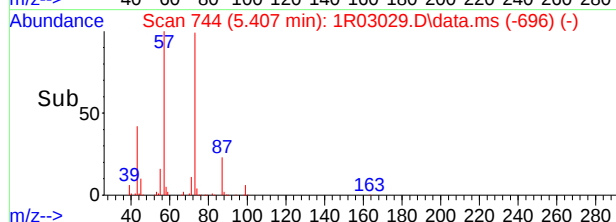
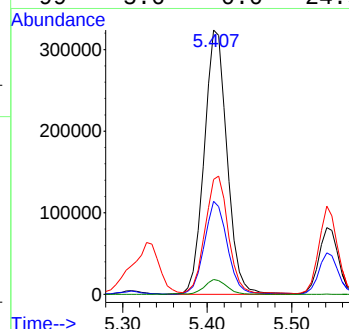
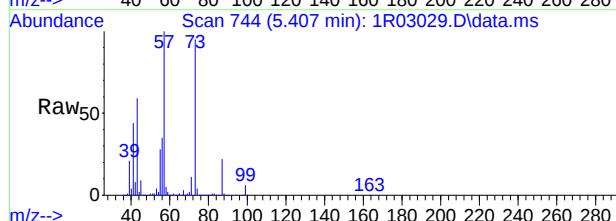
#54
n-butyl alcohol
Concen: 2405.38 ug/L
RT: 5.742 min Scan# 799
Delta R.T. -0.006 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

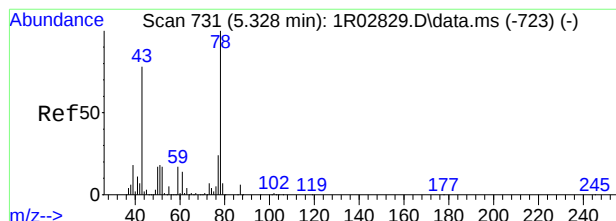
Tgt Ion: 56 Resp: 937499
Ion Ratio Lower Upper
56 100
41 76.9 44.1 104.1
43 60.2 32.2 92.2



#55
2,2,4-trimethylpentane
Concen: 42.35 ug/L
RT: 5.407 min Scan# 744
Delta R.T. -0.007 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

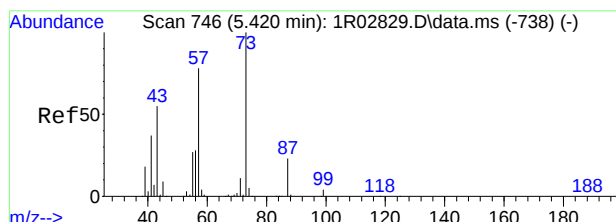
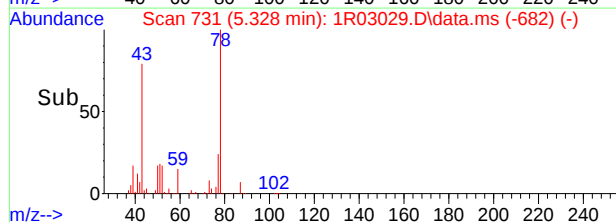
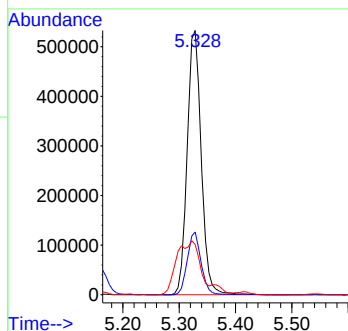
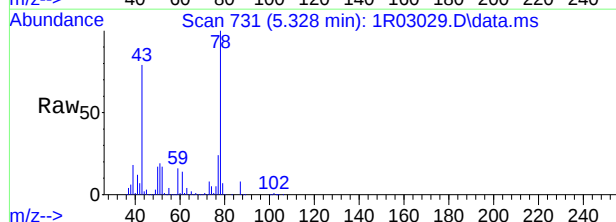
Tgt Ion: 57 Resp: 610013
Ion Ratio Lower Upper
57 100
56 35.1 5.1 65.1
41 43.1 17.1 77.1
99 5.6 0.0 24.9





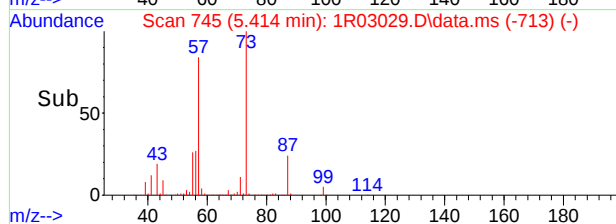
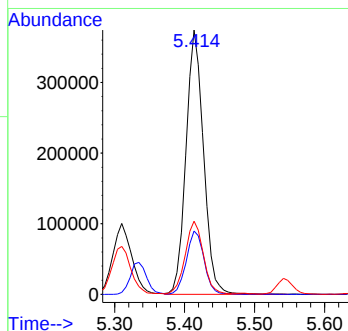
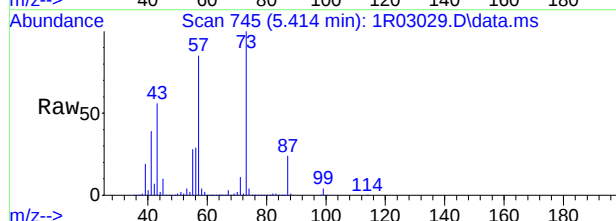
#56
benzene
Concen: 45.03 ug/L
RT: 5.328 min Scan# 731
Delta R.T. 0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

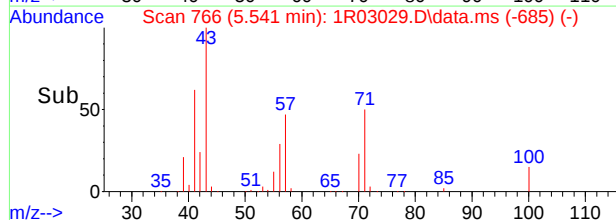
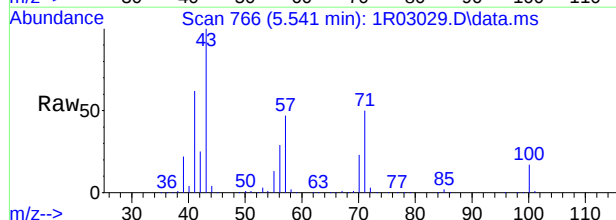
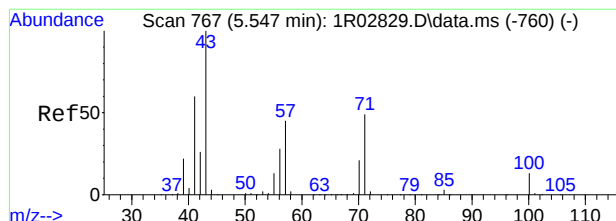
Tgt Ion: 78 Resp: 921783
Ion Ratio Lower Upper
78 100
77 23.8 0.0 53.6
51 19.0 0.0 49.7



#57
tert-amyl methyl ether
Concen: 45.03 ug/L
RT: 5.414 min Scan# 745
Delta R.T. -0.006 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

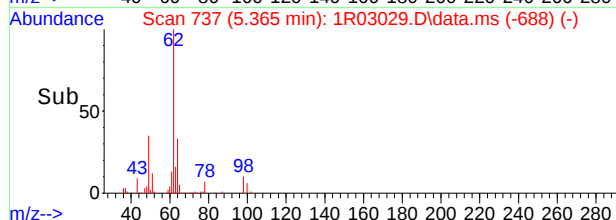
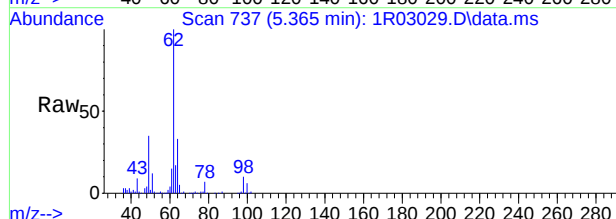
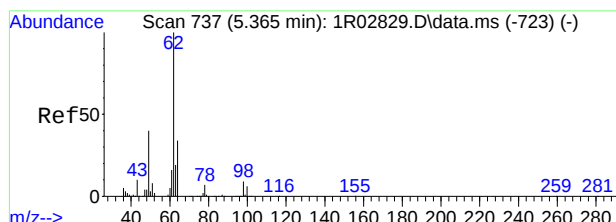
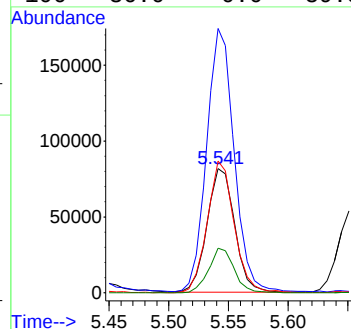
Tgt Ion: 73 Resp: 655286
Ion Ratio Lower Upper
73 100
87 23.9 0.0 52.5
55 27.4 0.0 56.5





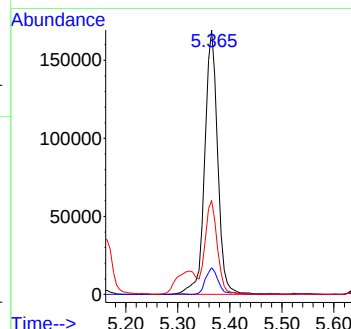
#58
heptane
Concen: 40.13 ug/L
RT: 5.541 min Scan# 766
Delta R.T. -0.006 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

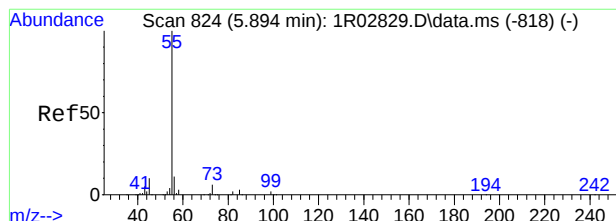
Tgt Ion	Ratio	Resp	Lower	Upper
57	100			
43	212.8	192.0	252.0	
71	106.7	79.6	139.6	
100	36.0	0.0	59.8	



#59
1,2-dichloroethane
Concen: 45.23 ug/L
RT: 5.365 min Scan# 737
Delta R.T. -0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

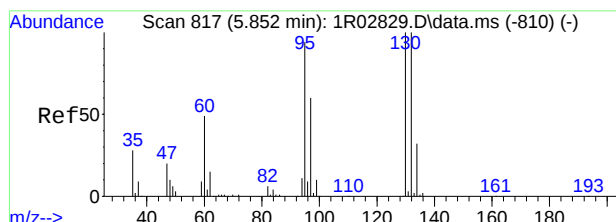
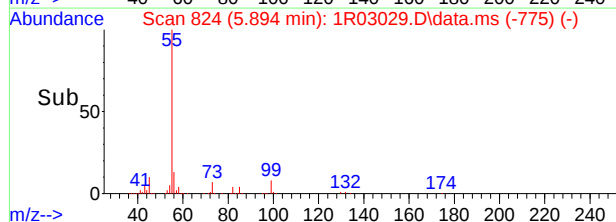
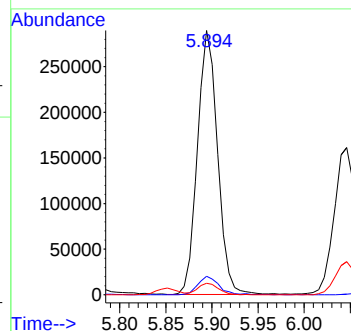
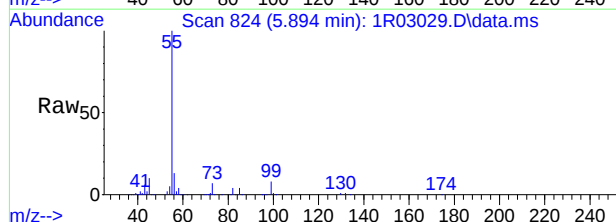
Tgt Ion	Ratio	Resp	Lower	Upper
62	100			
98	10.0	0.0	39.4	
49	35.5	10.2	70.2	





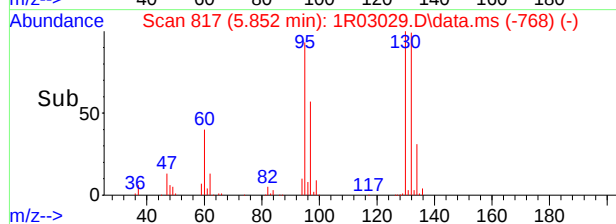
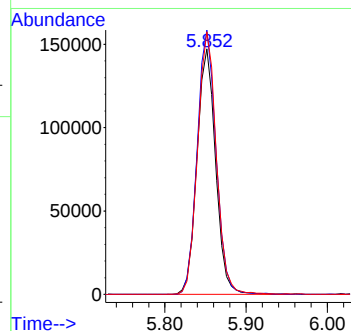
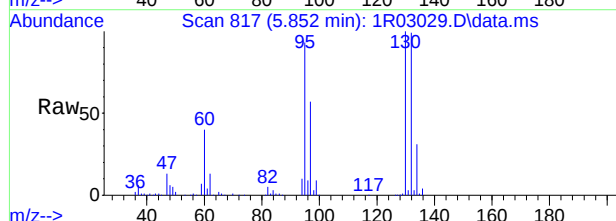
#60
ethyl acrylate
Concen: 41.75 ug/L
RT: 5.894 min Scan# 824
Delta R.T. 0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

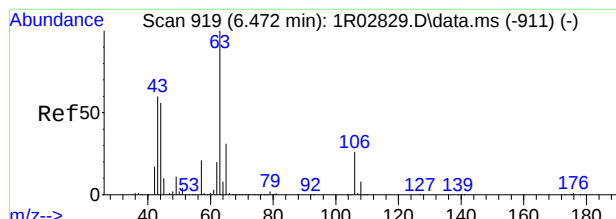
Tgt	Ion	55	Resp:	440311
	Ratio	100	Lower	Upper
	73	7.0	0.0	26.4
	82	4.3	0.0	24.2



#61
trichloroethene
Concen: 45.50 ug/L
RT: 5.852 min Scan# 817
Delta R.T. -0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

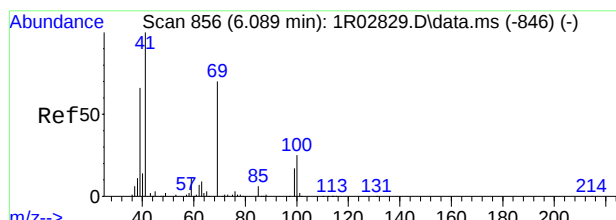
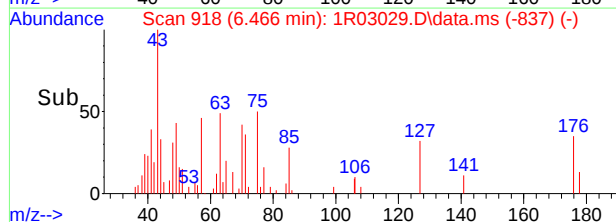
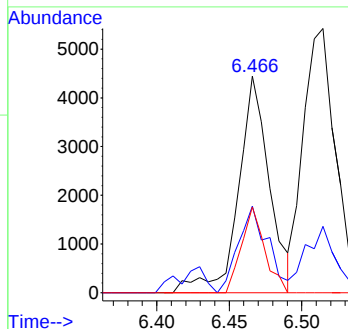
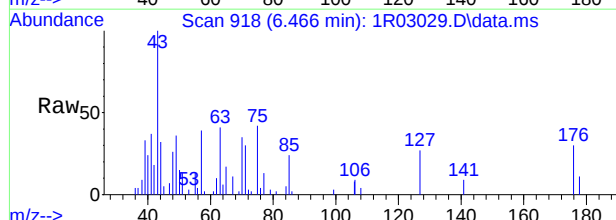
Tgt	Ion	95	Resp:	234945
	Ratio	100	Lower	Upper
	130	107.7	76.7	136.7
	132	107.0	76.3	136.3





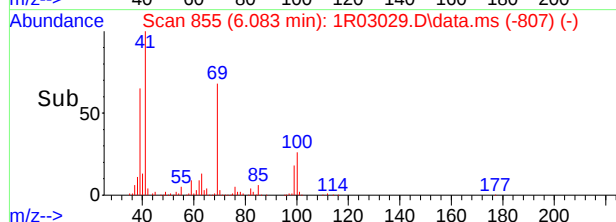
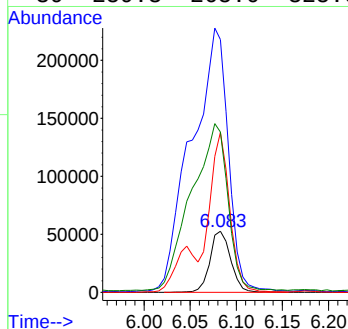
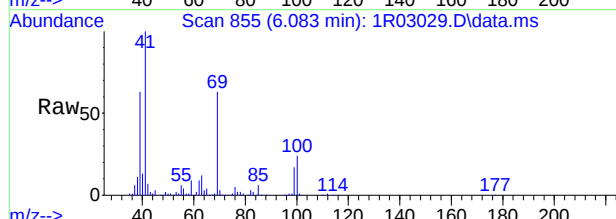
#62
2-chloroethyl vinyl ether
Concen: 1.49 ug/L
RT: 6.466 min Scan# 918
Delta R.T. -0.006 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

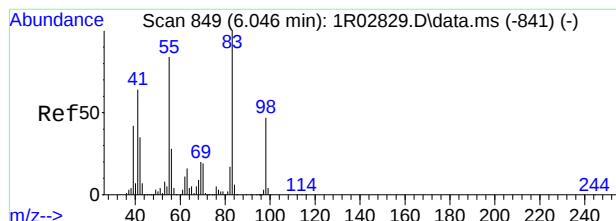
Tgt Ion:	63	Resp:	6618
Ion Ratio	Lower	Upper	
63	100		
65	34.8	0.8	60.8
106	39.6	0.0	56.0



#63
methyl methacrylate
Concen: 47.50 ug/L
RT: 6.083 min Scan# 855
Delta R.T. -0.006 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

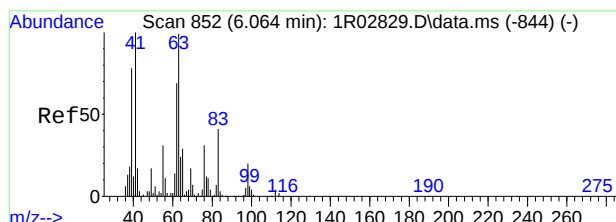
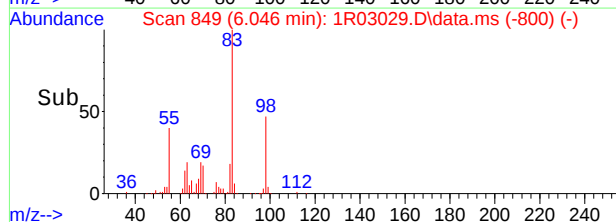
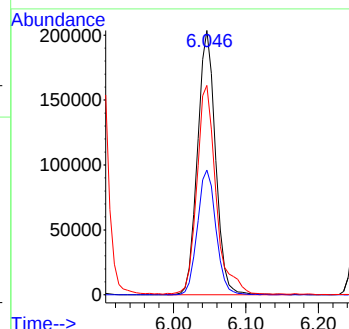
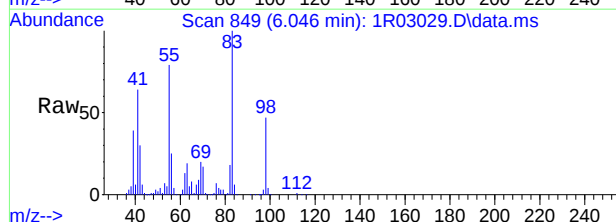
Tgt Ion:	100	Resp:	82932
Ion Ratio	Lower	Upper	
100	100		
41	411.7	418.7	478.7#
69	261.2	261.7	321.7#
39	259.3	265.0	325.0#





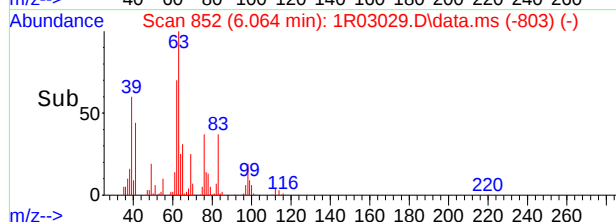
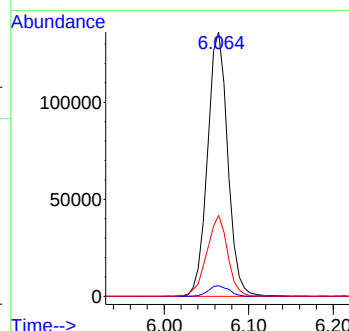
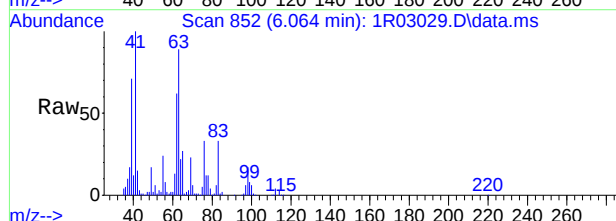
#64
methylcyclohexane
Concen: 42.88 ug/L
RT: 6.046 min Scan# 849
Delta R.T. 0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

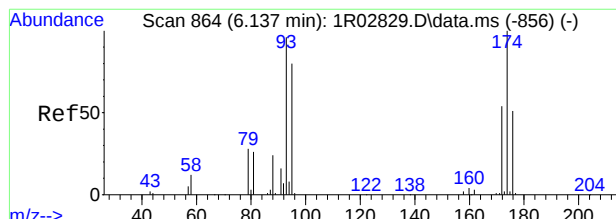
Tgt	Ion	83	Resp:	350791
Ion	Ratio	Lower	Upper	
83	100			
98	47.2	27.4	67.4	
55	79.0	63.7	103.7	



#65
1,2-dichloropropane
Concen: 40.15 ug/L
RT: 6.064 min Scan# 852
Delta R.T. 0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

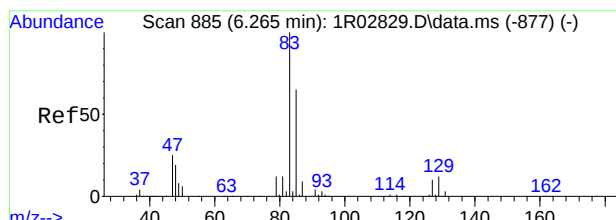
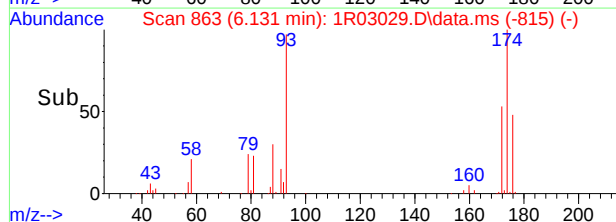
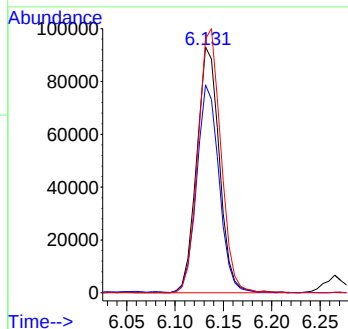
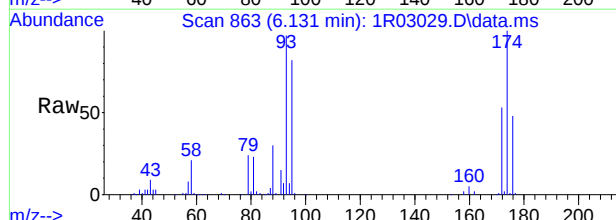
Tgt	Ion	63	Resp:	226354
Ion	Ratio	Lower	Upper	
63	100			
112	4.1	0.0	33.6	
65	30.6	0.0	59.5	





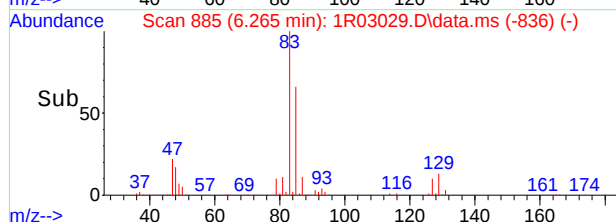
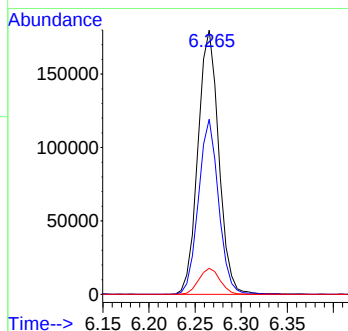
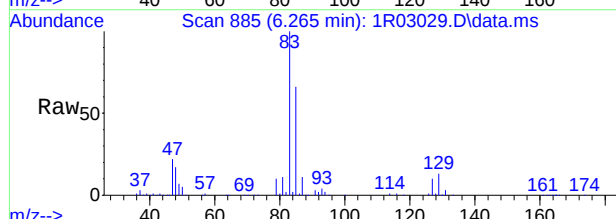
#66
dibromomethane
Concen: 43.54 ug/L
RT: 6.131 min Scan# 863
Delta R.T. -0.006 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

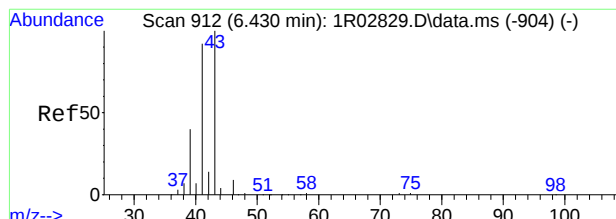
Tgt Ion	93	95	174
Ion	93	95	174
Ratio	100	84.6	103.2
Resp	151679	53.3	73.7
Lower			
Upper		113.3	133.7



#67
bromodichloromethane
Concen: 45.61 ug/L
RT: 6.265 min Scan# 885
Delta R.T. 0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

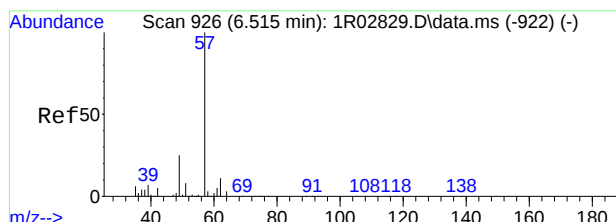
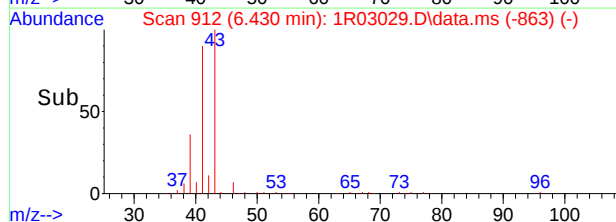
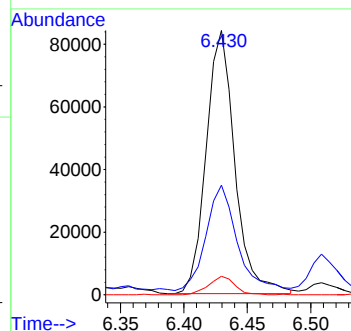
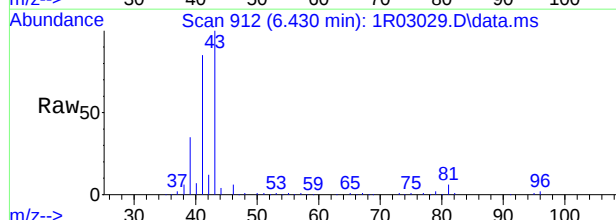
Tgt Ion	83	85	127
Ion	83	85	127
Ratio	100	66.2	9.9
Resp	283311	35.3	0.0
Lower			
Upper		95.3	39.5





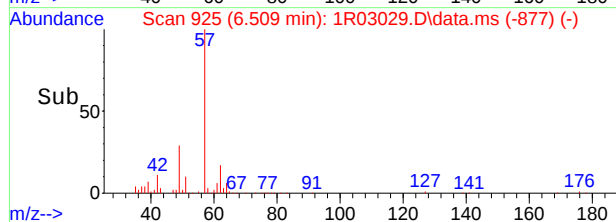
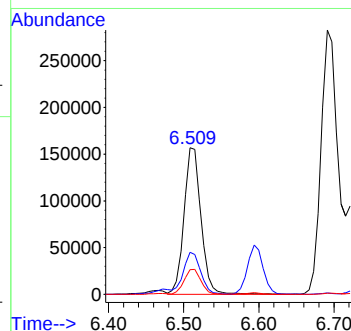
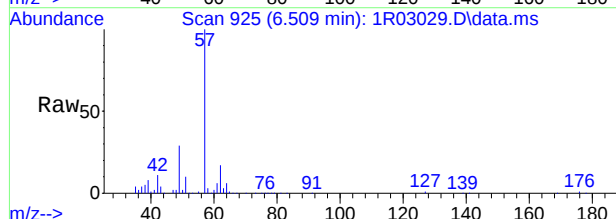
#68
2-nitropropane
Concen: 45.09 ug/L
RT: 6.430 min Scan# 912
Delta R.T. -0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

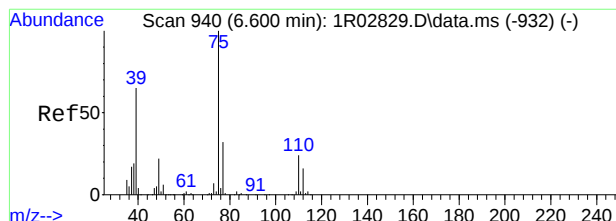
Tgt Ion	Ratio	Lower	Upper
41	100		
39	39.6	12.7	72.7
46	7.1	0.0	39.3



#69
epichlorohydrin
Concen: 233.65 ug/L
RT: 6.509 min Scan# 925
Delta R.T. -0.006 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

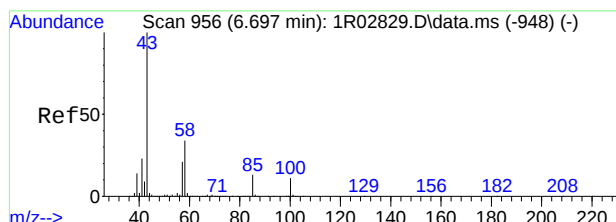
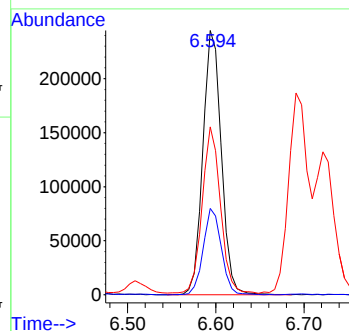
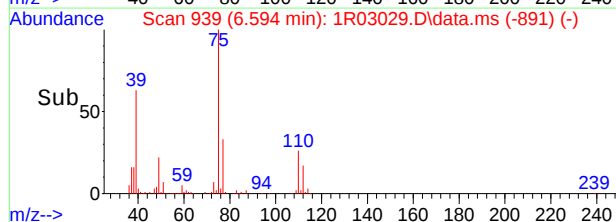
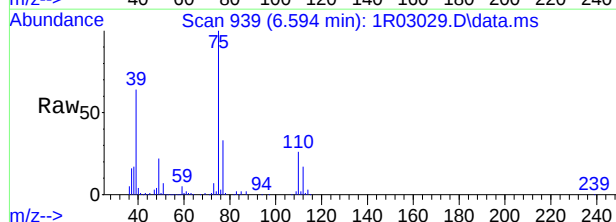
Tgt Ion	Ratio	Lower	Upper
57	100		
49	28.5	0.0	58.1
62	16.9	0.0	47.9





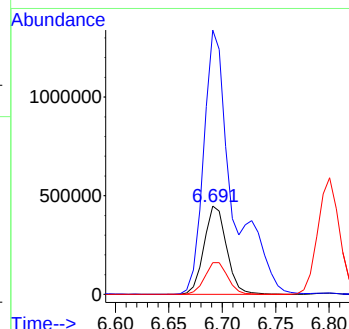
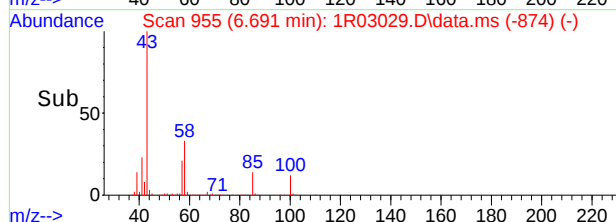
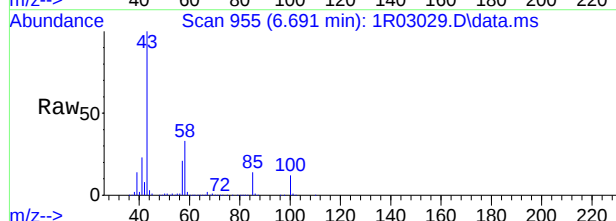
#70
cis-1,3-dichloropropene
Concen: 44.69 ug/L
RT: 6.594 min Scan# 939
Delta R.T. -0.006 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

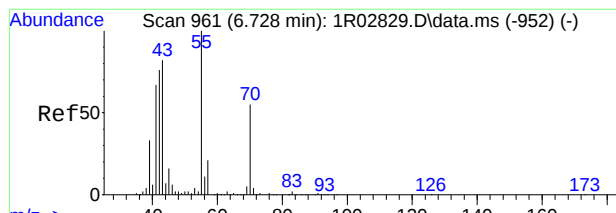
Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.7	2.1	62.1
39	62.8	34.8	94.8



#71
4-methyl-2-pentanone
Concen: 170.10 ug/L
RT: 6.691 min Scan# 955
Delta R.T. -0.006 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

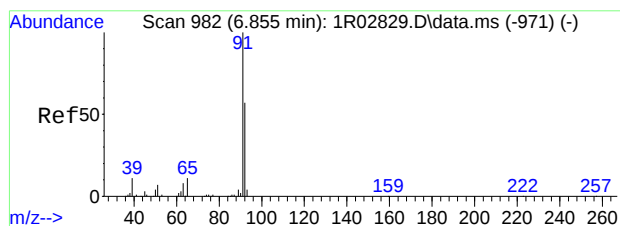
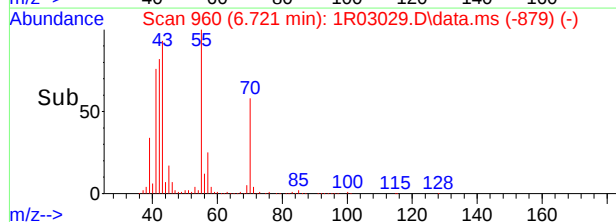
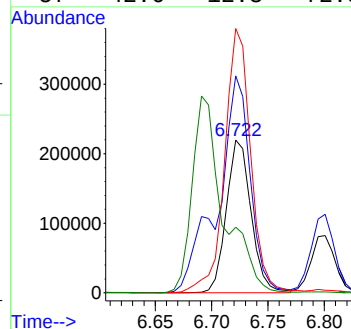
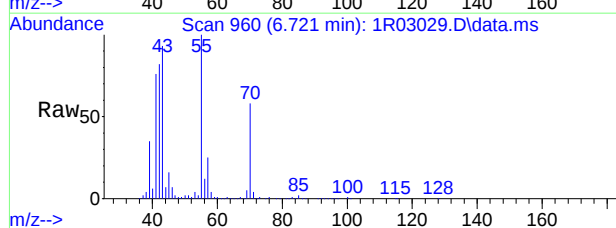
Tgt Ion	Ratio	Lower	Upper
58	100		
43	299.5	262.0	322.0
100	36.1	3.3	63.3





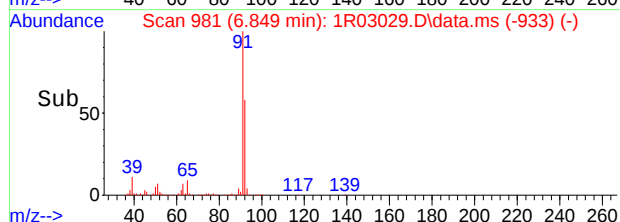
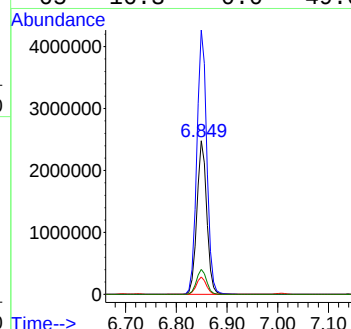
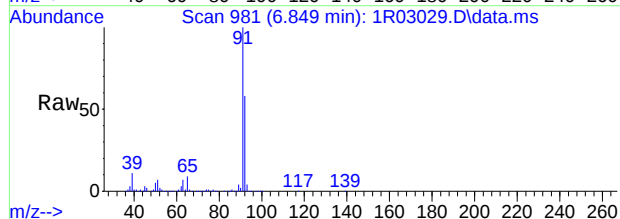
#72
isoamyl alcohol
Concen: 923.25 ug/L
RT: 6.721 min Scan# 960
Delta R.T. -0.006 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

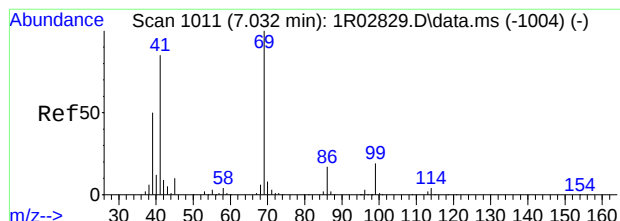
Tgt Ion	Ratio	Lower	Upper
70	100		
42	141.8	108.4	168.4
55	173.0	150.6	210.6
57	42.6	12.3	72.3



#75
toluene
Concen: 254.22 ug/L
RT: 6.849 min Scan# 981
Delta R.T. -0.006 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

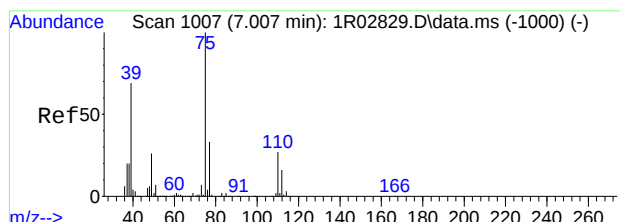
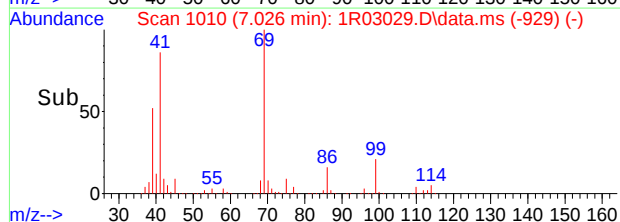
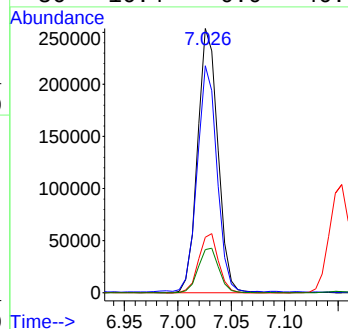
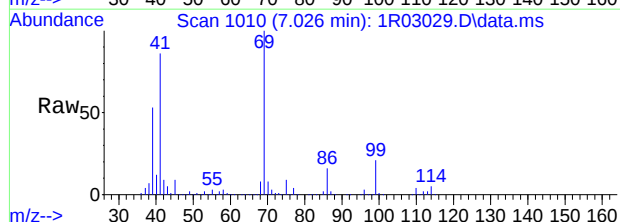
Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.2	155.7	195.7
51	11.4	0.0	43.1
65	16.3	0.0	49.0





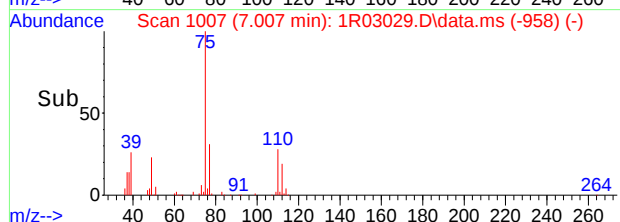
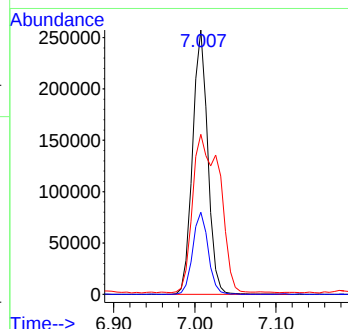
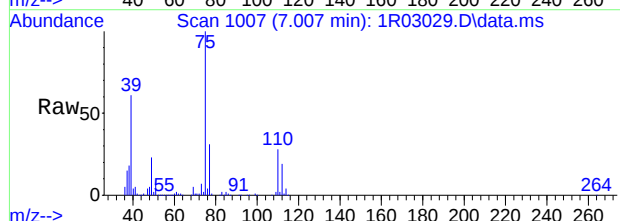
#76
ethyl methacrylate
Concen: 47.12 ug/L
RT: 7.026 min Scan# 1010
Delta R.T. -0.006 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

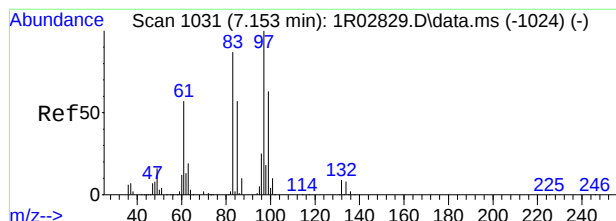
Tgt Ion	Ratio	Lower	Upper
69	100		
41	85.5	65.8	105.8
99	21.0	0.0	39.3
86	16.4	0.0	46.7



#77
trans-1,3-dichloropropene
Concen: 47.55 ug/L
RT: 7.007 min Scan# 1007
Delta R.T. 0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

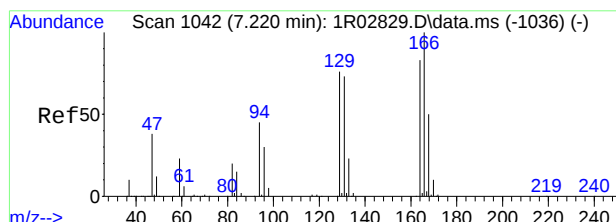
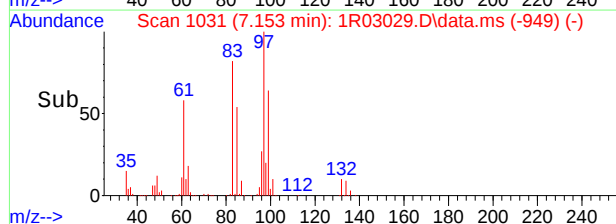
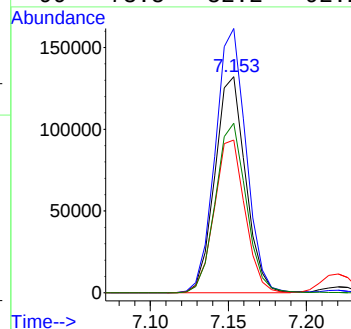
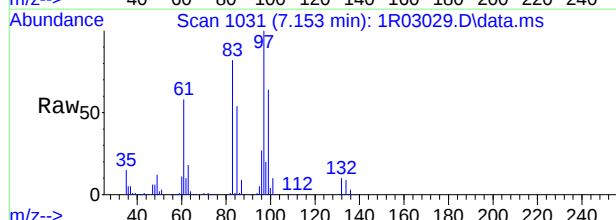
Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.0	12.7	52.7
39	59.8	39.0	99.0





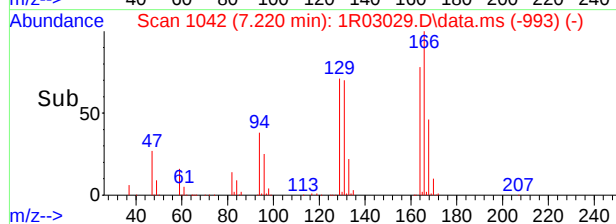
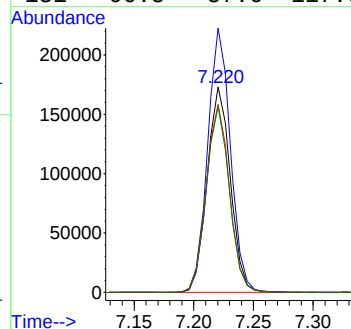
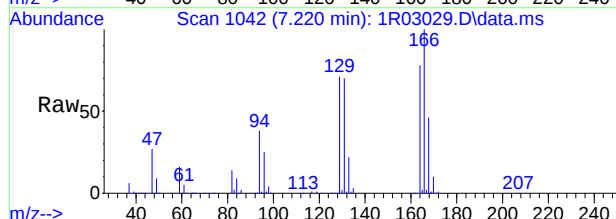
#78
1,1,2-trichloroethane
Concen: 43.83 ug/L
RT: 7.153 min Scan# 1031
Delta R.T. 0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

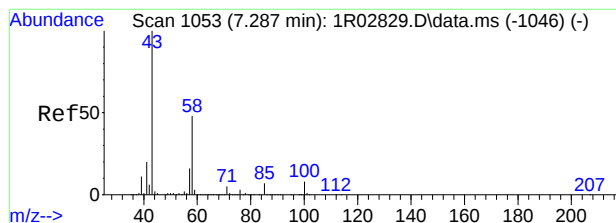
Tgt Ion:	83	Resp:	179872
Ion	Ratio	Lower	Upper
83	100		
97	122.4	95.6	135.6
61	70.6	46.3	86.3
99	78.5	52.2	92.2



#79
tetrachloroethene
Concen: 45.25 ug/L
RT: 7.220 min Scan# 1042
Delta R.T. 0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

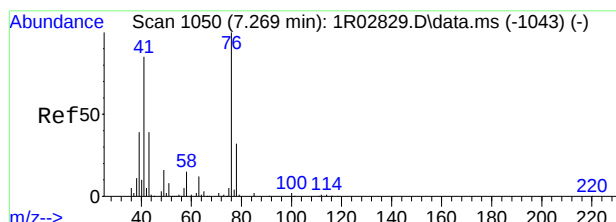
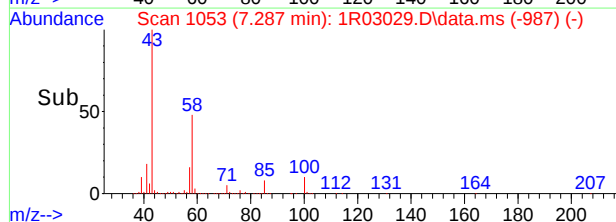
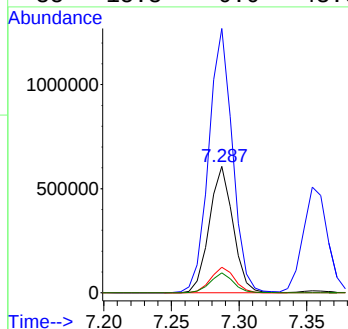
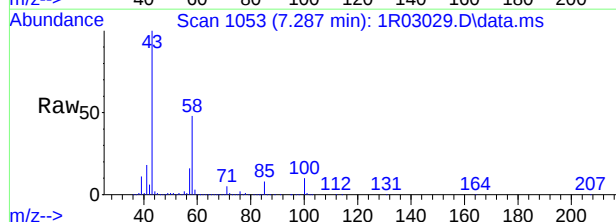
Tgt Ion:	164	Resp:	233898
Ion	Ratio	Lower	Upper
164	100		
166	128.8	90.9	150.9
129	91.6	61.6	121.6
131	90.5	57.6	117.6





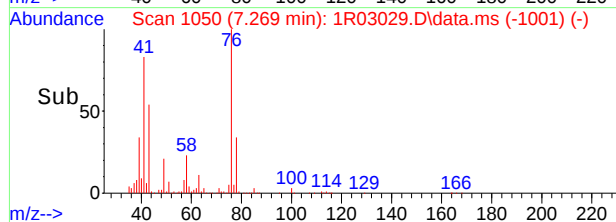
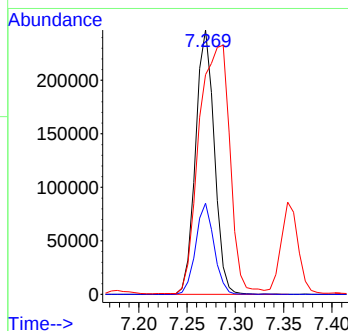
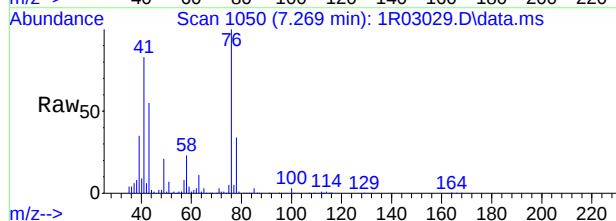
#80
2-hexanone
Concen: 178.77 ug/L
RT: 7.287 min Scan# 1053
Delta R.T. 0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

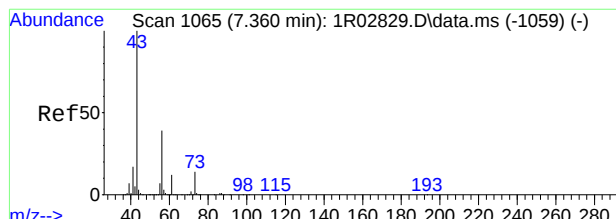
Tgt Ion	Ratio	Lower	Upper
58	100		
43	209.0	189.4	229.4
100	20.3	0.0	37.4
85	15.8	0.0	43.6



#81
1,3-dichloropropane
Concen: 45.53 ug/L
RT: 7.269 min Scan# 1050
Delta R.T. 0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

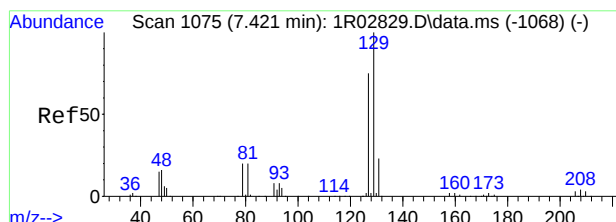
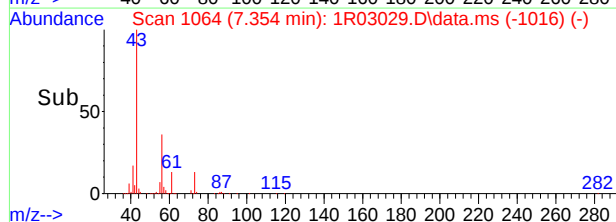
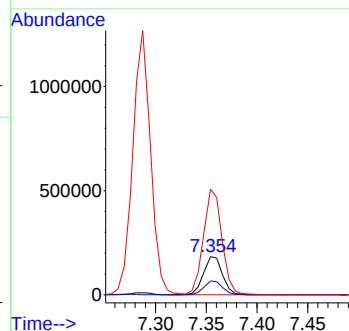
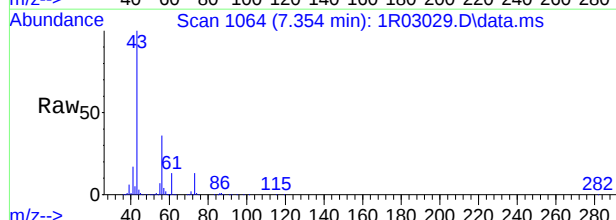
Tgt Ion	Ratio	Lower	Upper
76	100		
78	34.5	2.0	62.0
41	82.8	55.0	115.0





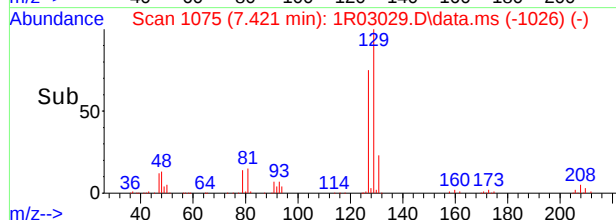
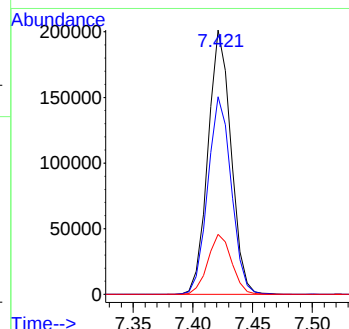
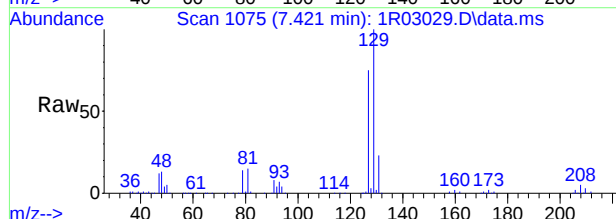
#82
butyl acetate
Concen: 44.22 ug/L
RT: 7.354 min Scan# 1064
Delta R.T. -0.006 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

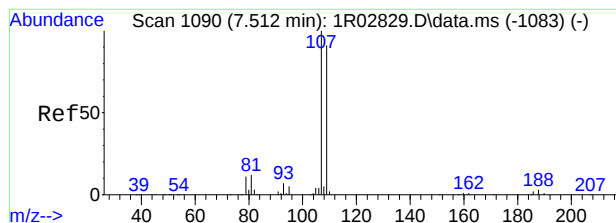
Tgt Ion	56	Resp	240100
Ion	Ratio	Lower	Upper
56	100		
73	36.3	5.7	65.7
43	275.3	231.6	291.6



#83
dibromochloromethane
Concen: 52.03 ug/L
RT: 7.421 min Scan# 1075
Delta R.T. 0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

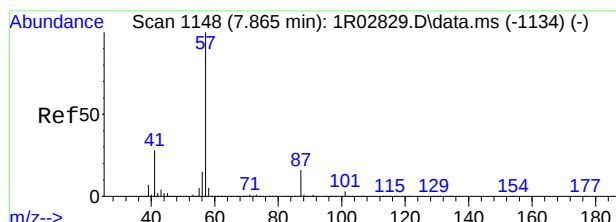
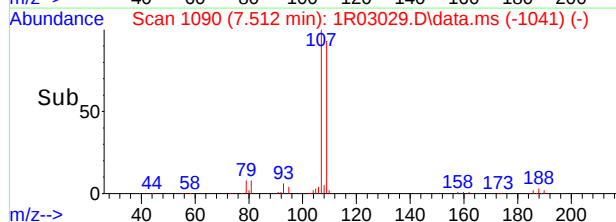
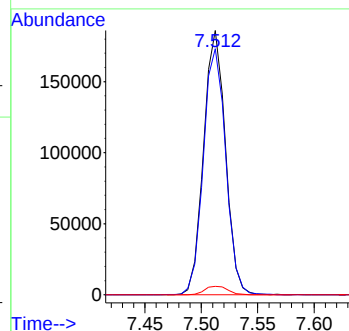
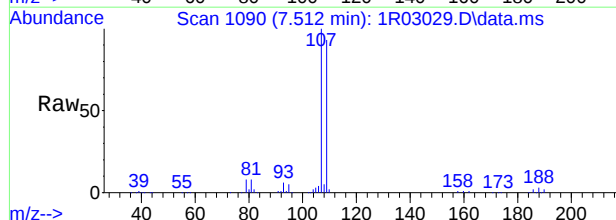
Tgt Ion	129	Resp	268967
Ion	Ratio	Lower	Upper
129	100		
127	74.8	44.7	104.7
131	22.7	0.0	52.7





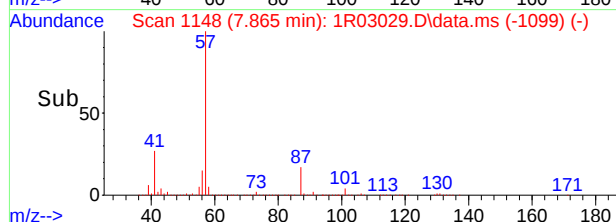
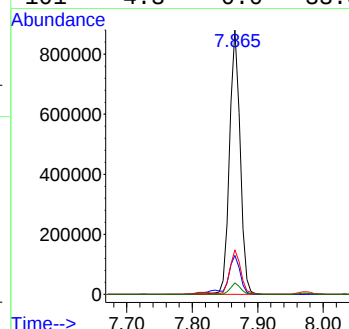
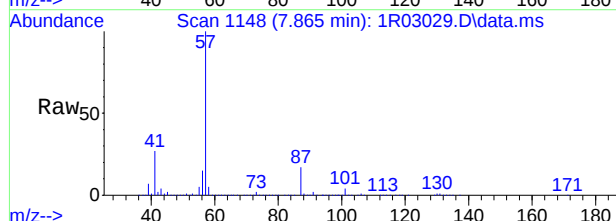
#84
1,2-dibromoethane
Concen: 51.05 ug/L
RT: 7.512 min Scan# 1090
Delta R.T. 0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

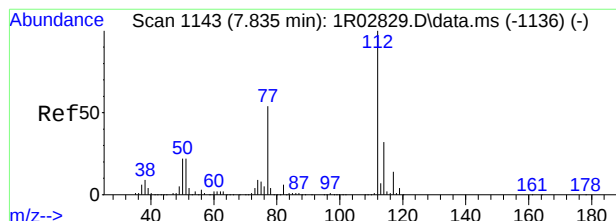
Tgt Ion	107	Resp	250696
Ion Ratio	100		
109	93.0	60.9	120.9
188	3.2	0.0	33.1



#85
n-butyl ether
Concen: 42.57 ug/L
RT: 7.865 min Scan# 1148
Delta R.T. 0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

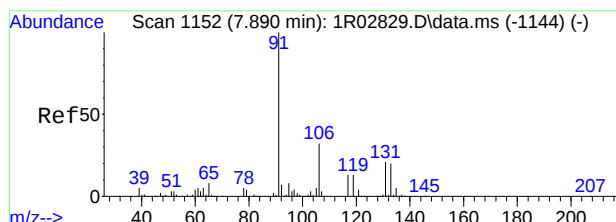
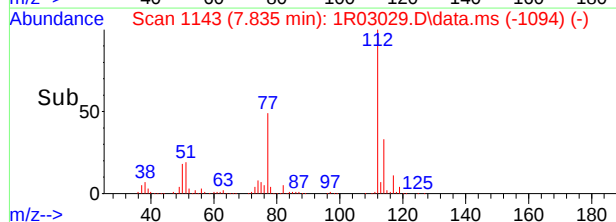
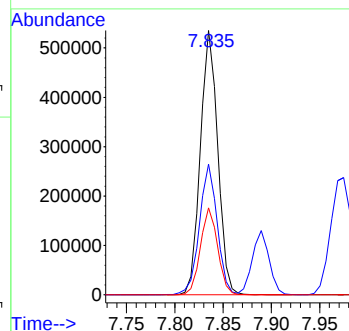
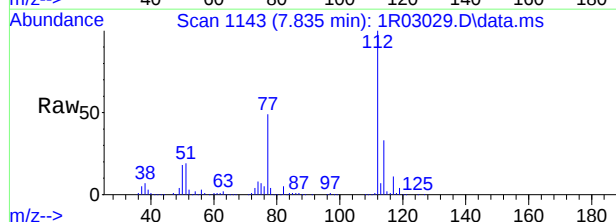
Tgt Ion	57	Resp	989980
Ion Ratio <td>100</td> <td></td> <td></td>	100		
56	14.8	0.0	34.6
87	16.9	0.0	46.2
101	4.3	0.0	33.3





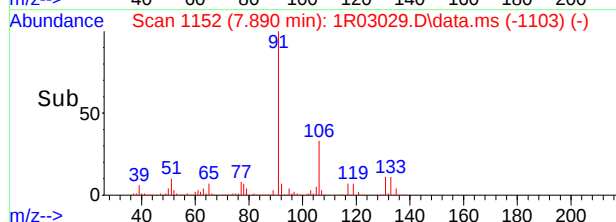
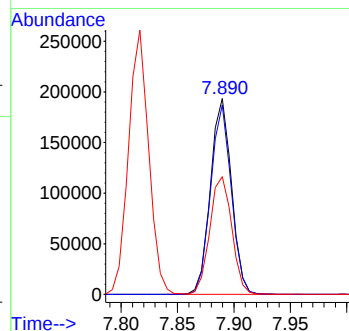
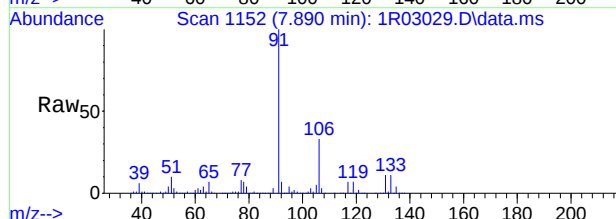
#86
chlorobenzene
Concen: 46.17 ug/L
RT: 7.835 min Scan# 1143
Delta R.T. -0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

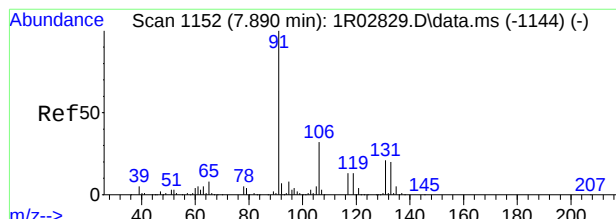
Tgt Ion: 112 Resp: 669874
Ion Ratio Lower Upper
112 100
77 49.4 23.5 83.5
114 32.9 1.8 61.8



#87
1,1,1,2-tetrachloroethane
Concen: 48.90 ug/L
RT: 7.890 min Scan# 1152
Delta R.T. -0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

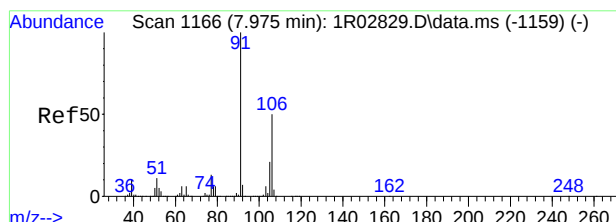
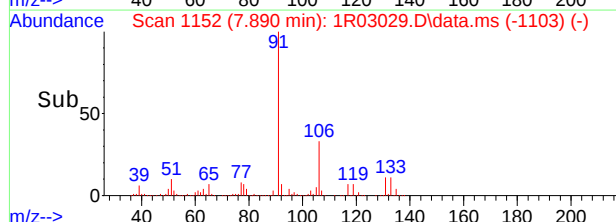
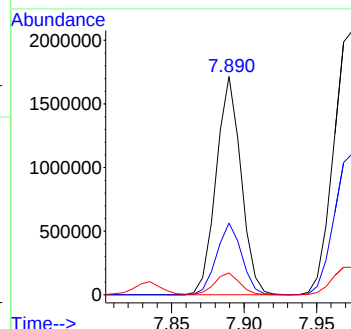
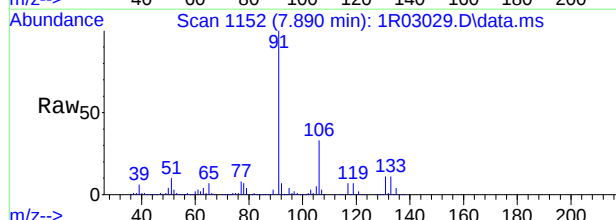
Tgt Ion: 131 Resp: 250801
Ion Ratio Lower Upper
131 100
133 96.7 65.6 125.6
119 60.1 35.8 95.8





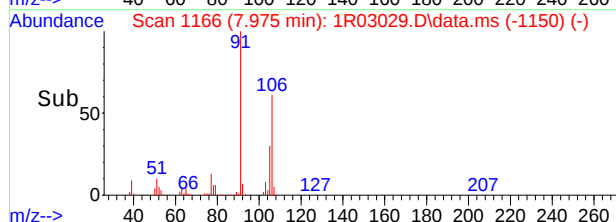
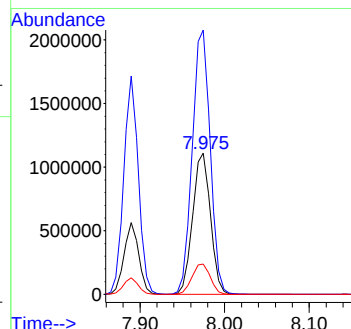
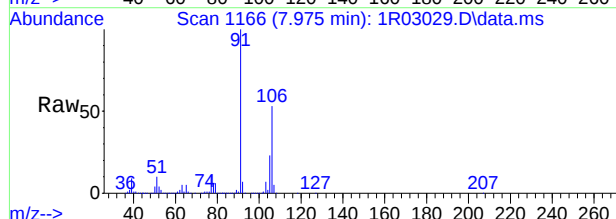
#88
ethylbenzene
Concen: 85.45 ug/L
RT: 7.890 min Scan# 1152
Delta R.T. -0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

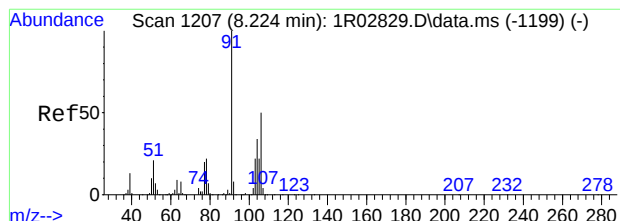
Tgt Ion: 91 Resp: 2060723
Ion Ratio Lower Upper
91 100
106 32.9 2.1 62.1
51 10.0 0.0 41.5



#89
m,p-xylene
Concen: 173.74 ug/L
RT: 7.975 min Scan# 1166
Delta R.T. -0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

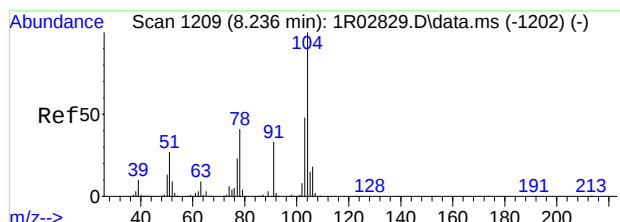
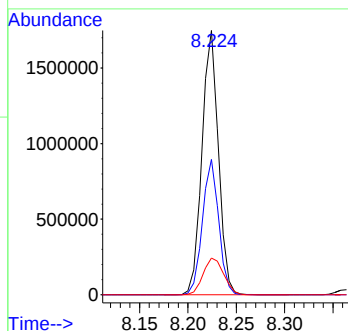
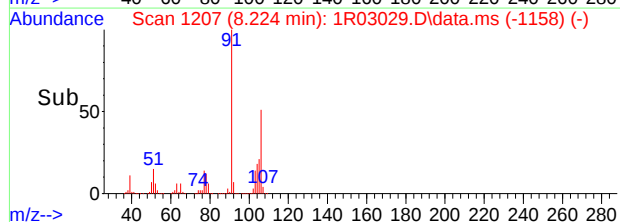
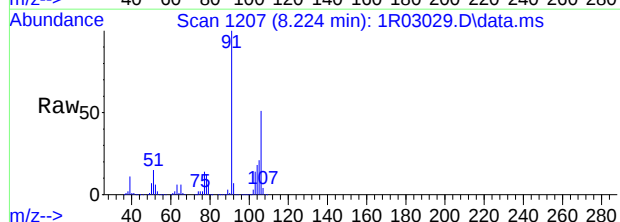
Tgt Ion: 106 Resp: 1626360
Ion Ratio Lower Upper
106 100
91 187.0 168.6 228.6
77 21.3 0.0 55.1





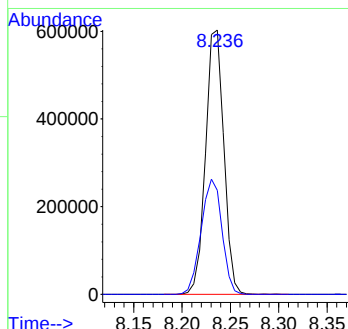
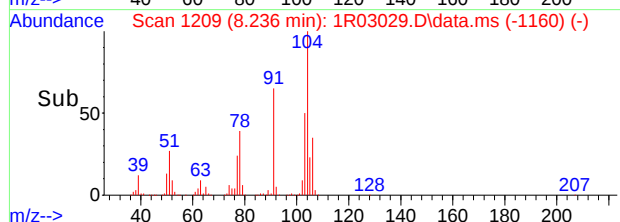
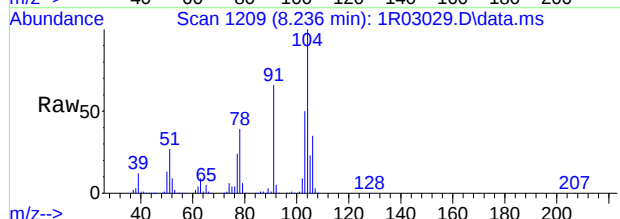
#90
o-xylene
Concen: 110.72 ug/L
RT: 8.224 min Scan# 1207
Delta R.T. 0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

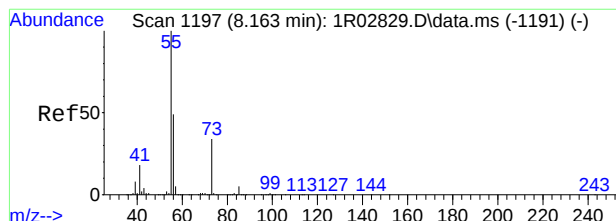
Tgt Ion: 91 Resp: 2059600
Ion Ratio Lower Upper
91 100
106 51.3 20.2 80.2
77 13.9 0.0 50.1



#91
styrene
Concen: 50.95 ug/L
RT: 8.236 min Scan# 1209
Delta R.T. 0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

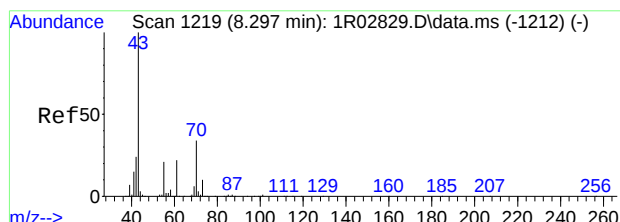
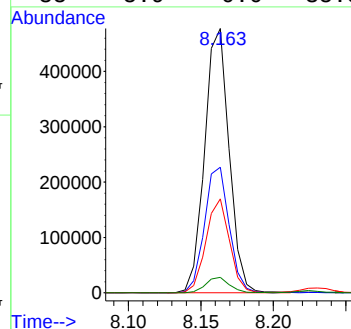
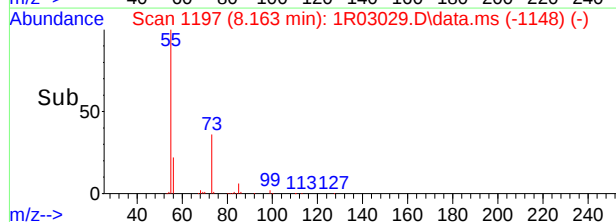
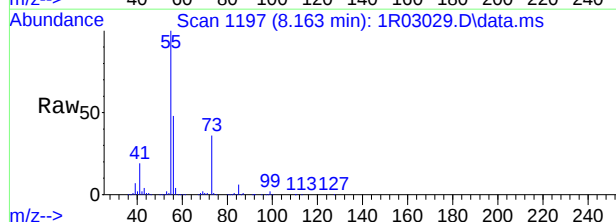
Tgt Ion: 104 Resp: 795496
Ion Ratio Lower Upper
104 100
78 39.4 11.4 71.4





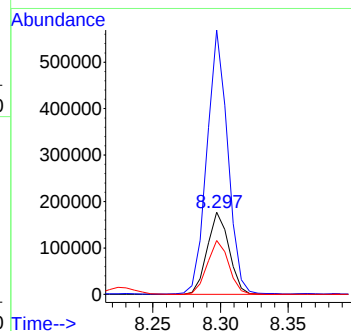
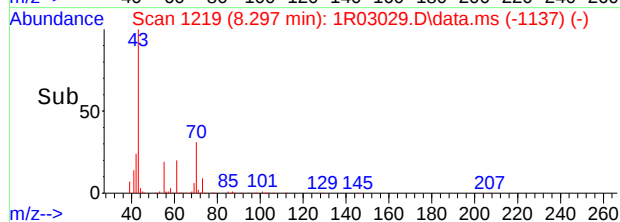
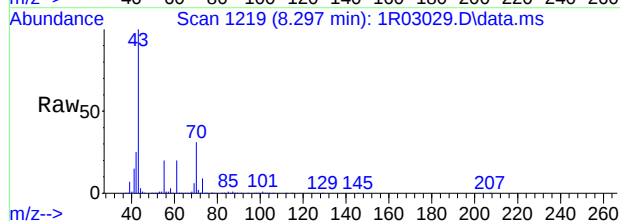
#92
butyl acrylate
Concen: 46.06 ug/L
RT: 8.163 min Scan# 1197
Delta R.T. 0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

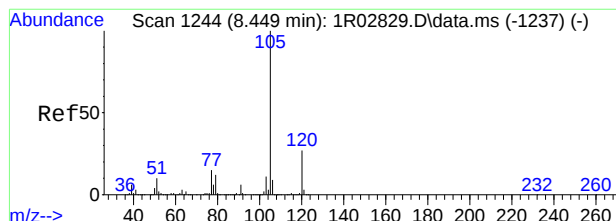
Tgt	Ion	55	Resp	561607
	Ratio	100	Lower	Upper
	55	100		
	56	47.5	29.3	69.3
	73	35.6	14.0	54.0
	85	5.9	0.0	35.5



#93
n-amy1 acetate
Concen: 42.56 ug/L
RT: 8.297 min Scan# 1219
Delta R.T. 0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

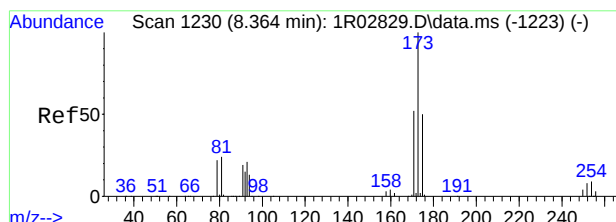
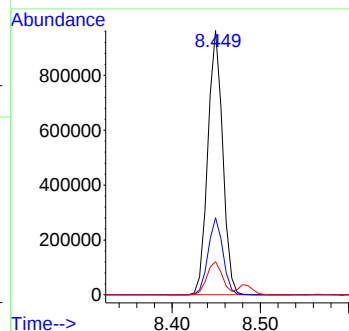
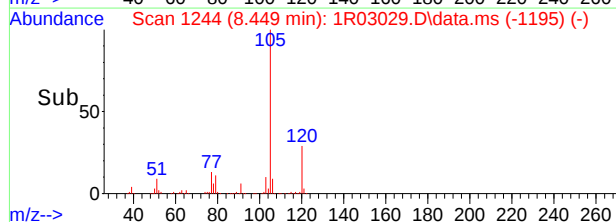
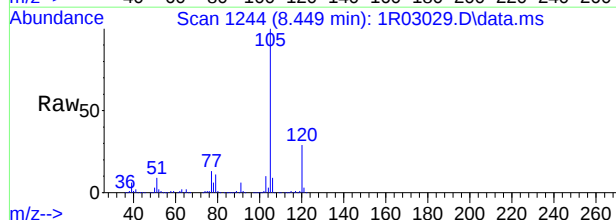
Tgt	Ion	70	Resp	198717
	Ratio	100	Lower	Upper
	70	100		
	43	321.5	265.3	325.3
	61	65.5	35.5	95.5





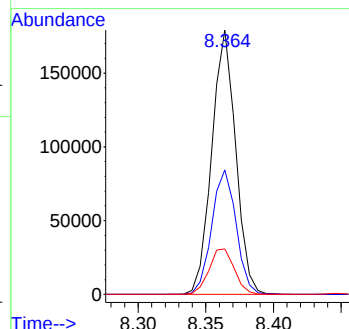
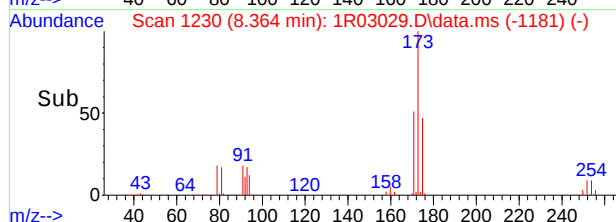
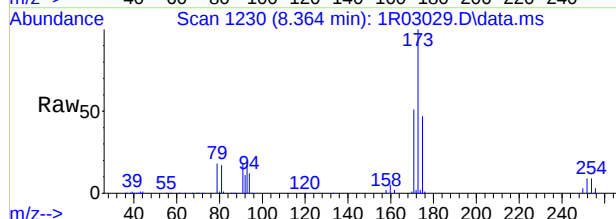
#94
isopropylbenzene
Concen: 51.82 ug/L
RT: 8.449 min Scan# 1244
Delta R.T. 0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

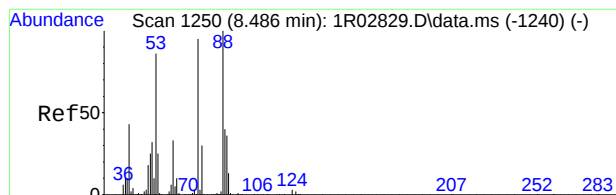
Tgt Ion	105	120	77
Ion	105	120	77
Ratio	100	29.2	12.6
Lower		7.3	0.0
Upper		47.3	34.6



#95
bromoform
Concen: 53.56 ug/L
RT: 8.364 min Scan# 1230
Delta R.T. 0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

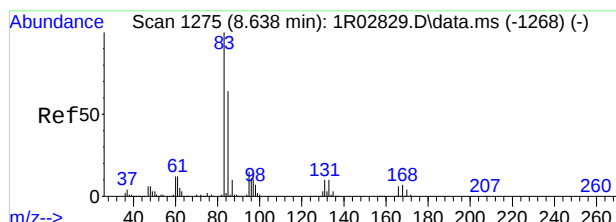
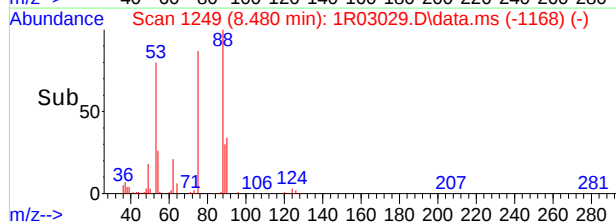
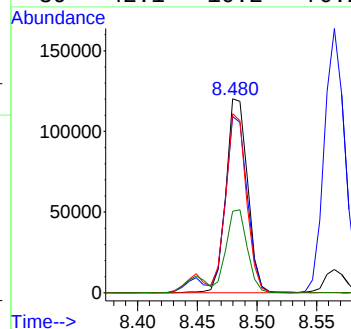
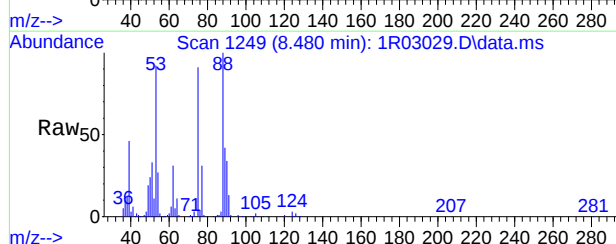
Tgt Ion	173	175	93
Ion	173	175	93
Ratio	100	47.0	17.2
Lower		20.2	0.0
Upper		80.2	50.5





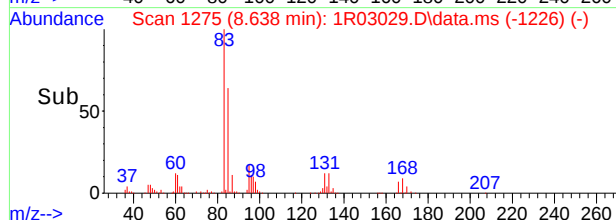
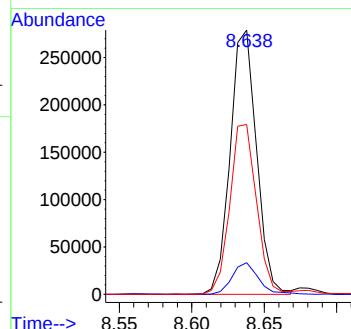
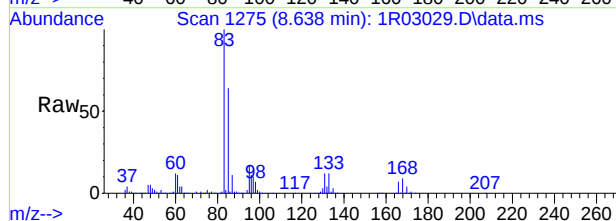
#96
 cis-1,4-dichloro-2-butene
 Concen: 49.51 ug/L
 RT: 8.480 min Scan# 1249
 Delta R.T. -0.006 min
 Lab File: 1R03029.D
 Acq: 4 Apr 2023 4:36 pm

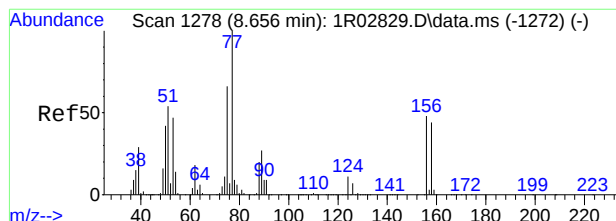
Tgt Ion	Ratio	Lower	Upper
88	100		
75	90.8	74.9	114.9
53	92.1	66.4	106.4
89	42.1	10.2	70.2



#99
 1,1,2,2-tetrachloroethane
 Concen: 42.92 ug/L
 RT: 8.638 min Scan# 1275
 Delta R.T. -0.000 min
 Lab File: 1R03029.D
 Acq: 4 Apr 2023 4:36 pm

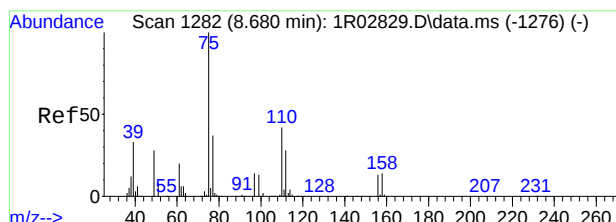
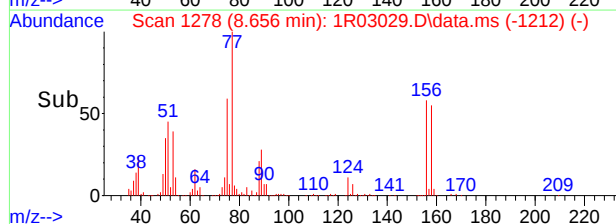
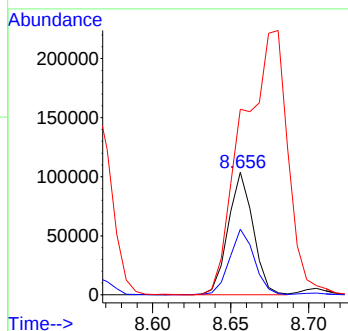
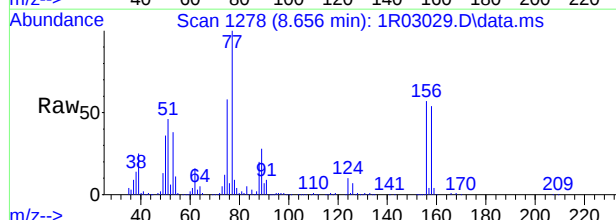
Tgt Ion	Ratio	Lower	Upper
83	100		
131	12.0	0.0	40.3
85	64.2	34.2	94.2





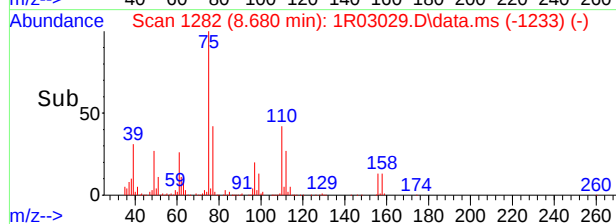
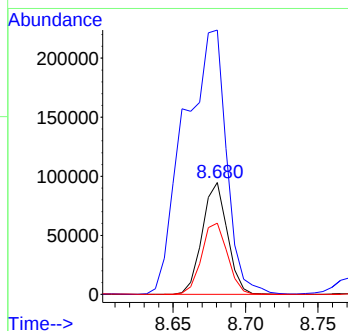
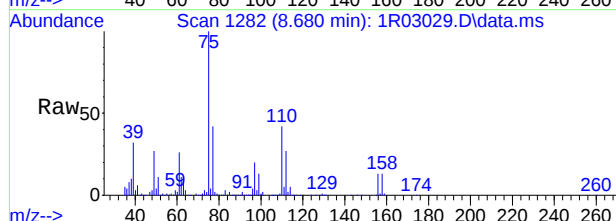
#100
trans-1,4-dichloro-2-butene
Concen: 41.63 ug/L
RT: 8.656 min Scan# 1278
Delta R.T. 0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

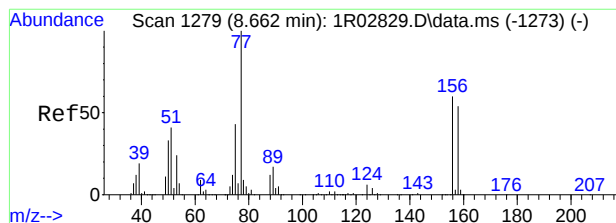
Tgt Ion: 53 Resp: 115518
Ion Ratio Lower Upper
53 100
88 53.7 12.5 72.5
75 151.1 108.7 168.7



#101
1,2,3-trichloropropane
Concen: 46.88 ug/L
RT: 8.680 min Scan# 1282
Delta R.T. 0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

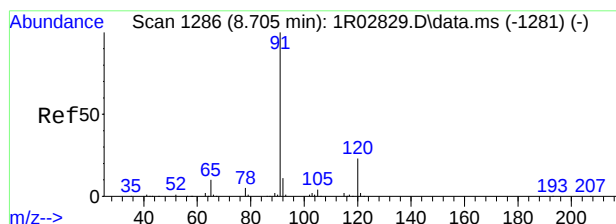
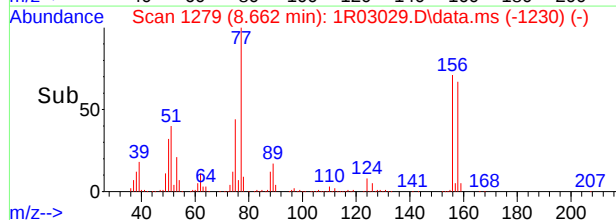
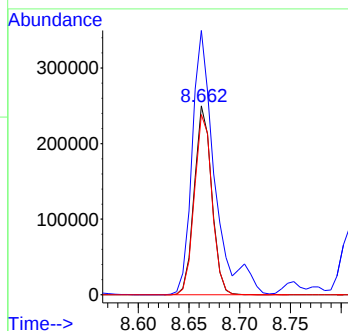
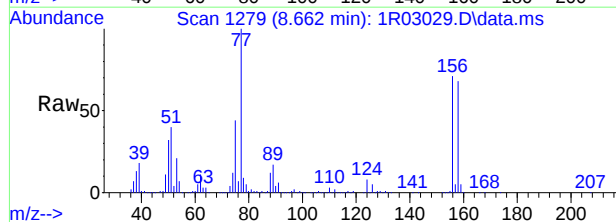
Tgt Ion: 110 Resp: 114692
Ion Ratio Lower Upper
110 100
75 236.0 240.9 300.9#
112 63.8 36.2 96.2





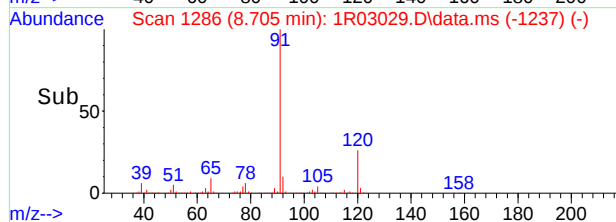
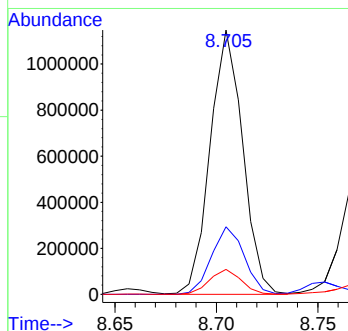
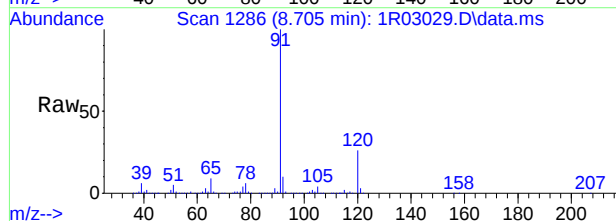
#102
bromobenzene
Concen: 45.99 ug/L
RT: 8.662 min Scan# 1279
Delta R.T. 0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

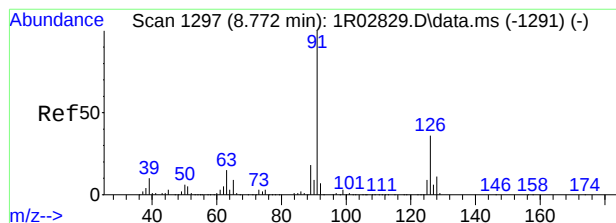
Tgt Ion	156	Resp	298479
Ratio	Lower	Upper	
156	100		
77	139.8	135.5	195.5
158	95.4	59.6	119.6



#103
n-propylbenzene
Concen: 45.78 ug/L
RT: 8.705 min Scan# 1286
Delta R.T. -0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

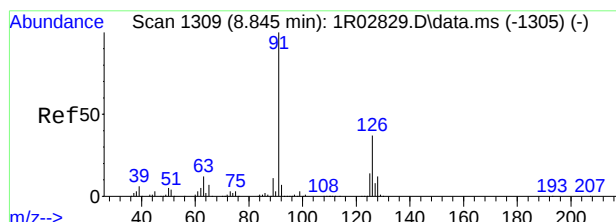
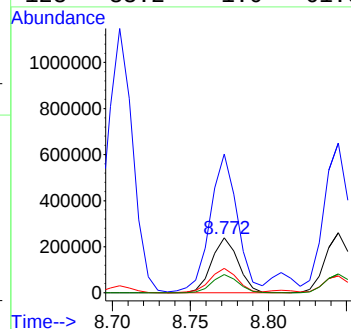
Tgt Ion	91	Resp	1284960
Ratio	Lower	Upper	
91	100		
120	25.6	0.0	53.4
65	9.5	0.0	39.9





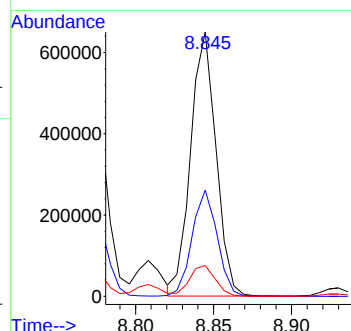
#104
2-chlorotoluene
Concen: 48.54 ug/L
RT: 8.772 min Scan# 1297
Delta R.T. -0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

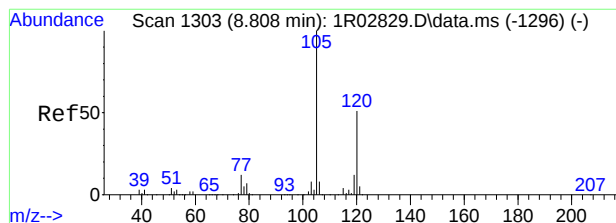
Tgt Ion	126	91	89	128
Ion	126	91	89	128
Ratio	100	250.7	44.1	33.2
Lower		245.8	20.3	1.0
Upper		305.8	80.3	61.0



#105
4-chlorotoluene
Concen: 42.74 ug/L
RT: 8.845 min Scan# 1309
Delta R.T. -0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

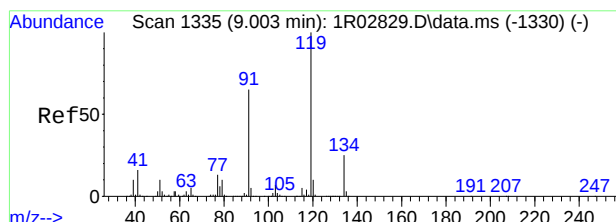
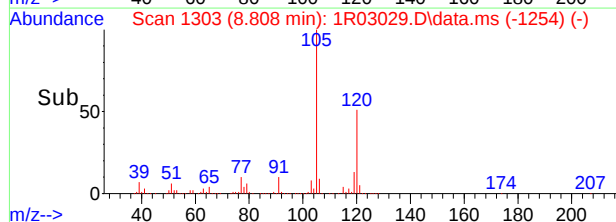
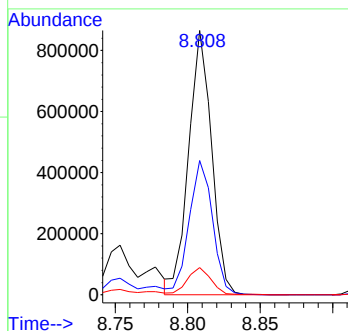
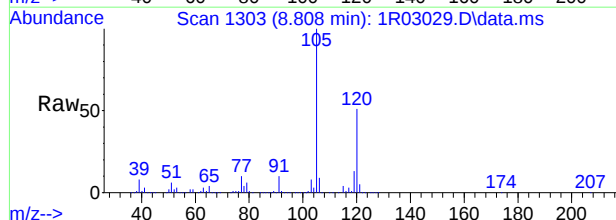
Tgt Ion	91	126	63
Ion	91	126	63
Ratio	100	40.2	11.7
Lower		6.1	0.0
Upper		66.1	42.9





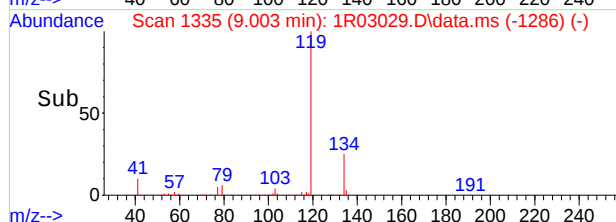
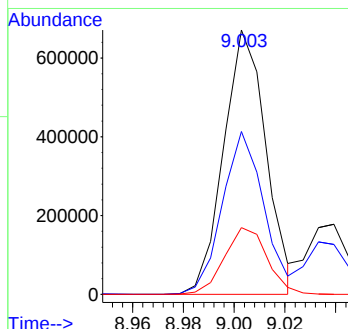
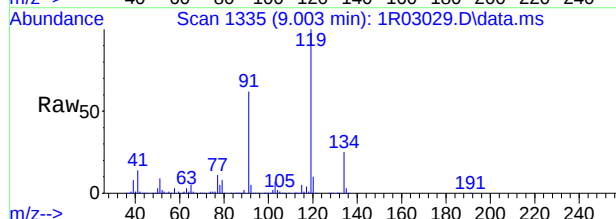
#106
1,3,5-trimethylbenzene
Concen: 49.30 ug/L
RT: 8.808 min Scan# 1303
Delta R.T. 0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

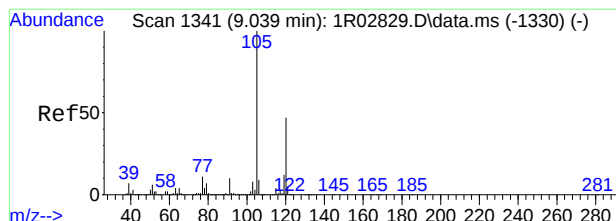
Tgt Ion	Ion	Ratio	Lower	Upper
105	105	100		
120	120	50.8	21.2	81.2
77	77	10.3	0.0	42.1



#107
tert-butylbenzene
Concen: 46.23 ug/L
RT: 9.003 min Scan# 1335
Delta R.T. -0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

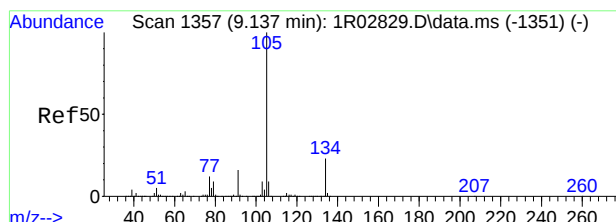
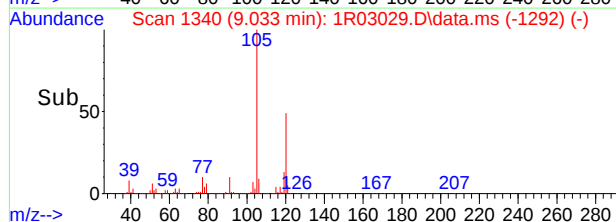
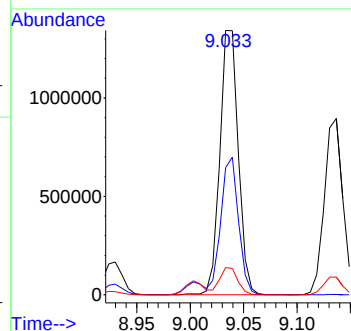
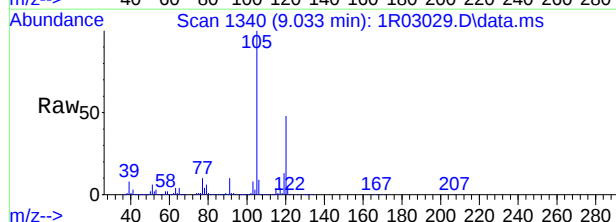
Tgt Ion	Ion	Ratio	Lower	Upper
119	119	100		
91	91	61.5	35.1	95.1
134	134	25.2	0.0	55.0





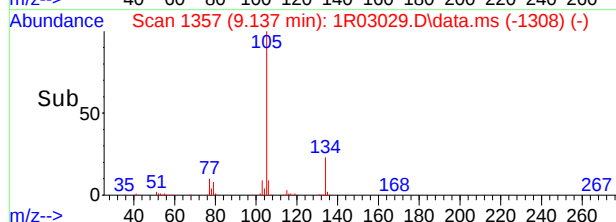
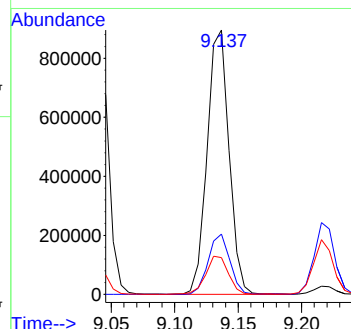
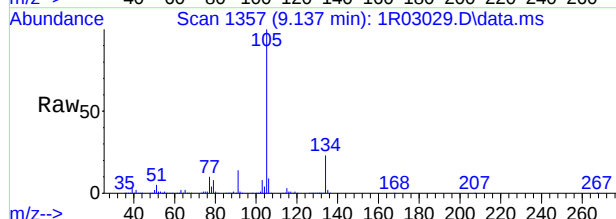
#108
1,2,4-trimethylbenzene
Concen: 81.70 ug/L
RT: 9.033 min Scan# 1340
Delta R.T. -0.006 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

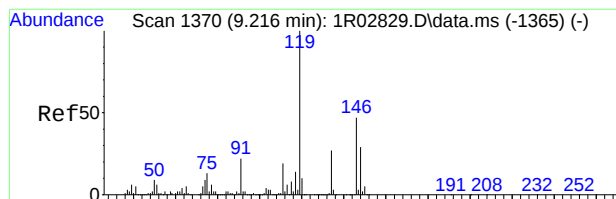
Tgt	Ion	Ratio	Lower	Upper
105	105	100		
120	120	48.1	17.3	77.3
77	77	10.3	0.0	40.8



#109
sec-butylbenzene
Concen: 46.57 ug/L
RT: 9.137 min Scan# 1357
Delta R.T. -0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

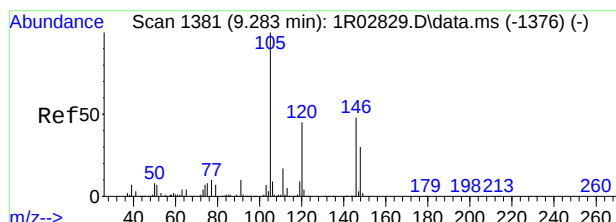
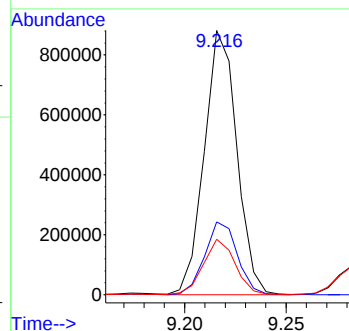
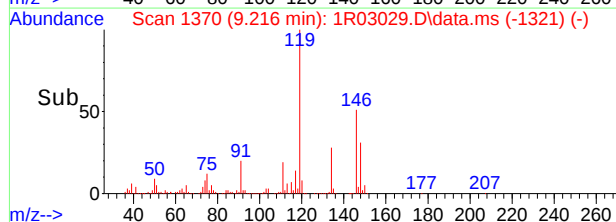
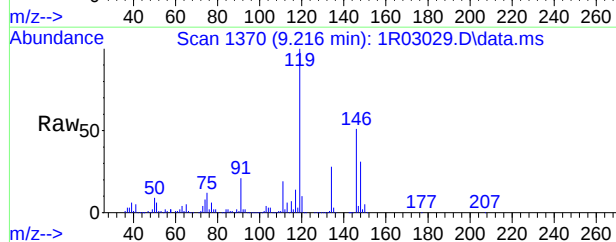
Tgt	Ion	Ratio	Lower	Upper
105	105	100		
134	134	22.9	0.0	52.8
91	91	13.9	0.0	45.8





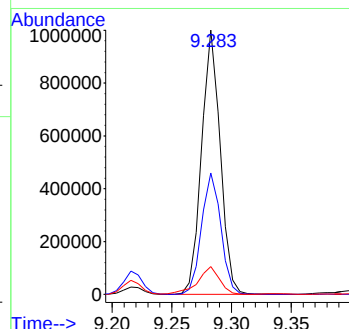
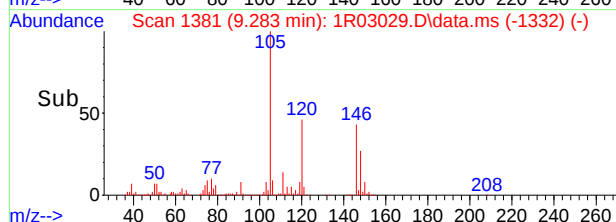
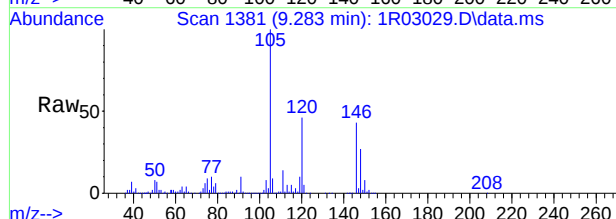
#110
p-isopropyltoluene
Concen: 46.82 ug/L
RT: 9.216 min Scan# 1370
Delta R.T. -0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

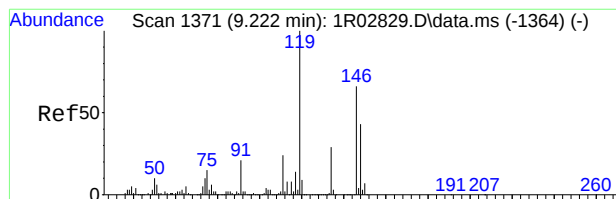
Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.6	0.0	57.1
91	20.9	0.0	52.0



#111
1,2,3-trimethylbenzene
Concen: 51.85 ug/L
RT: 9.283 min Scan# 1381
Delta R.T. -0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

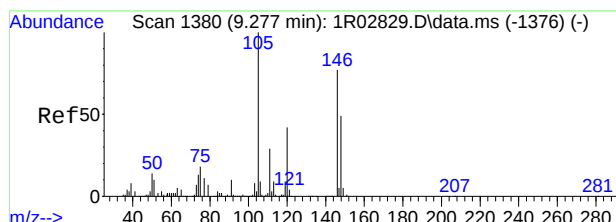
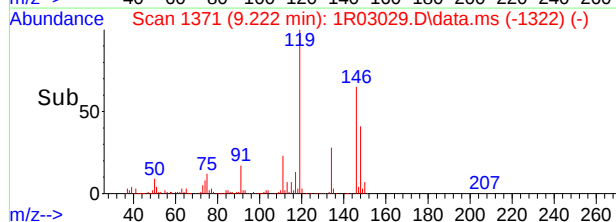
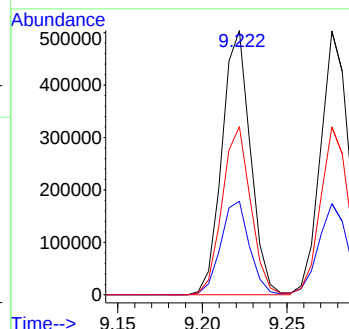
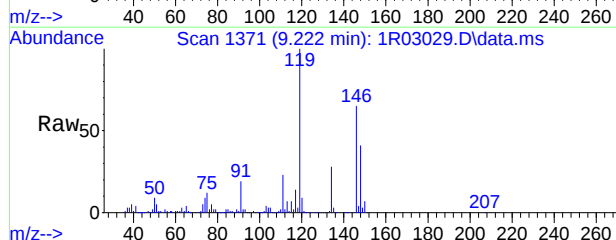
Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	14.6	74.6
77	10.4	0.0	41.2





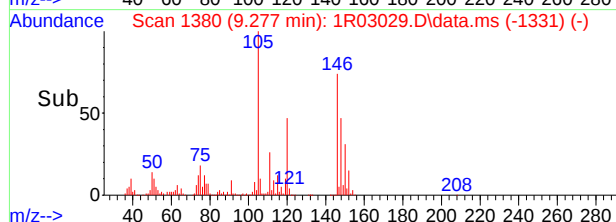
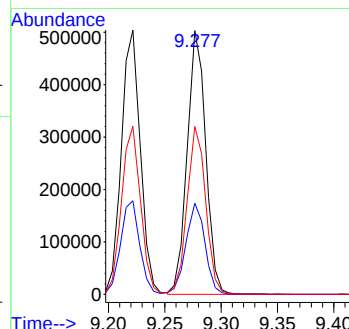
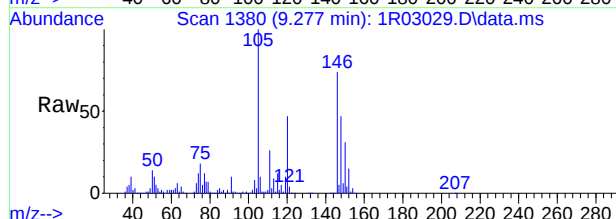
#112
1,3-dichlorobenzene
Concen: 47.28 ug/L
RT: 9.222 min Scan# 1371
Delta R.T. -0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

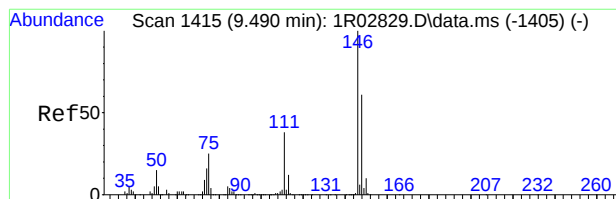
Tgt	Ion	Ratio	Lower	Upper
146	100			
111	35.4	6.4	66.4	
148	63.6	34.2	94.2	



#113
1,4-dichlorobenzene
Concen: 45.28 ug/L
RT: 9.277 min Scan# 1380
Delta R.T. -0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

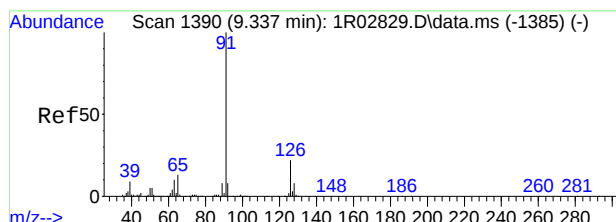
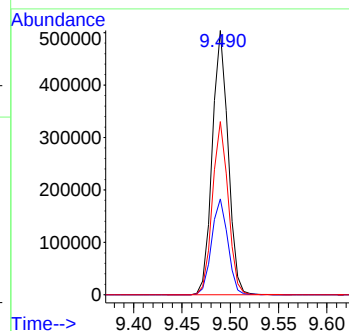
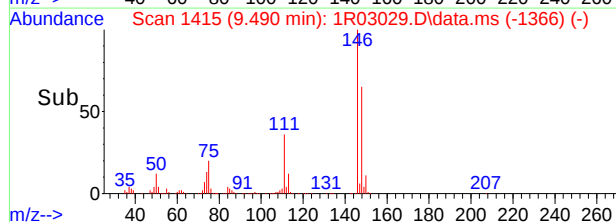
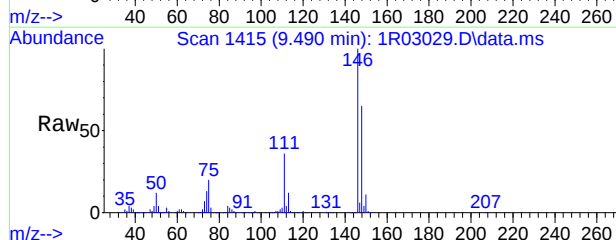
Tgt	Ion	Ratio	Lower	Upper
146	100			
111	34.6	8.4	68.4	
148	63.6	33.6	93.6	





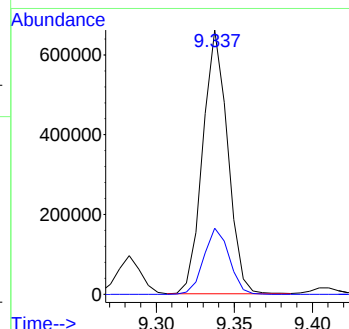
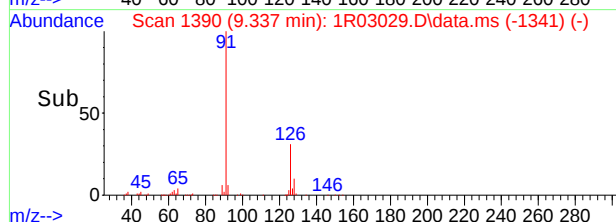
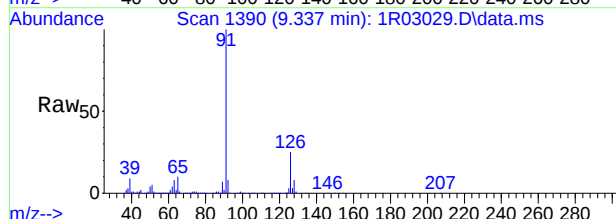
#114
1,2-dichlorobenzene
Concen: 50.25 ug/L
RT: 9.490 min Scan# 1415
Delta R.T. -0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

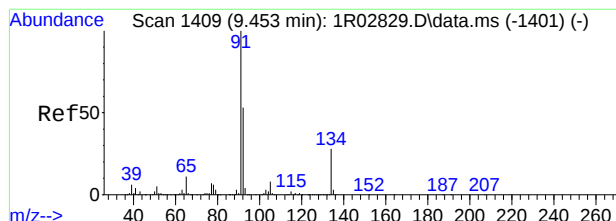
Tgt Ion	146	111	148
Ion	146	111	148
Ratio	100	36.3	65.5
Lower		7.8	31.0
Upper		67.8	91.0



#115
benzyl chloride
Concen: 47.73 ug/L
RT: 9.337 min Scan# 1390
Delta R.T. 0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

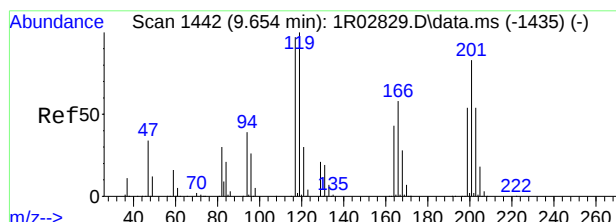
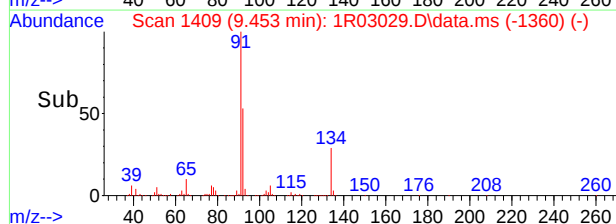
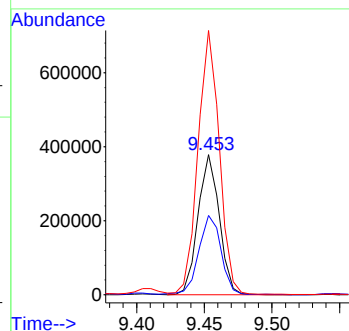
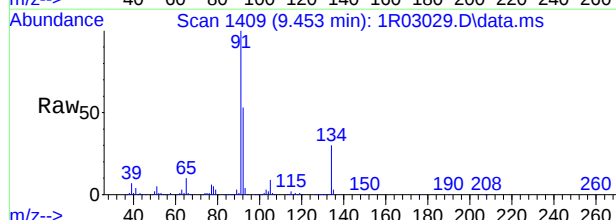
Tgt Ion	91	126
Ion	91	126
Ratio	100	25.1
Lower		0.0
Upper		51.9





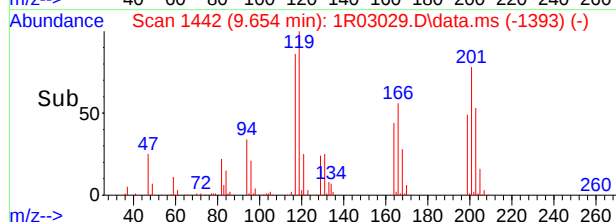
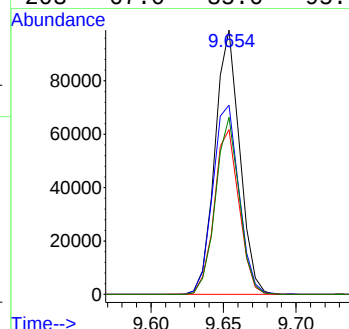
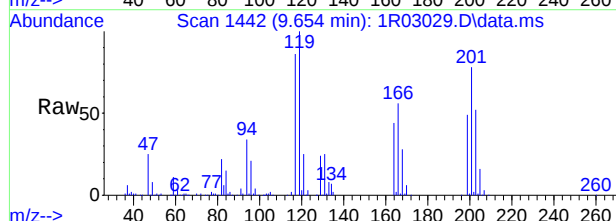
#116
n-butylbenzene
Concen: 43.81 ug/L
RT: 9.453 min Scan# 1409
Delta R.T. 0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

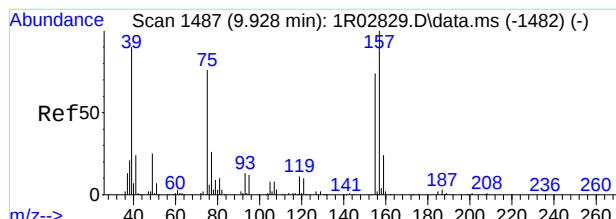
Tgt Ion	Ratio	Lower	Upper
92	100		
134	56.7	22.4	82.4
91	188.5	158.9	218.9



#117
hexachloroethane
Concen: 58.91 ug/L
RT: 9.654 min Scan# 1442
Delta R.T. -0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

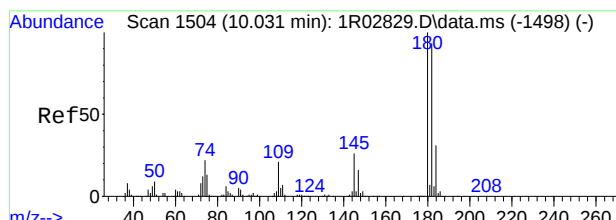
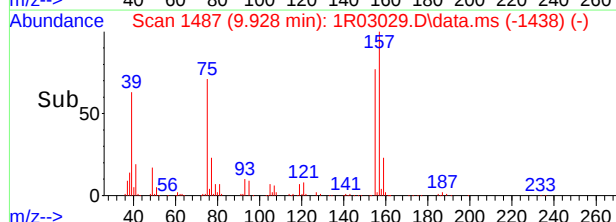
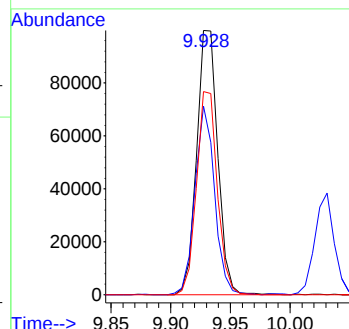
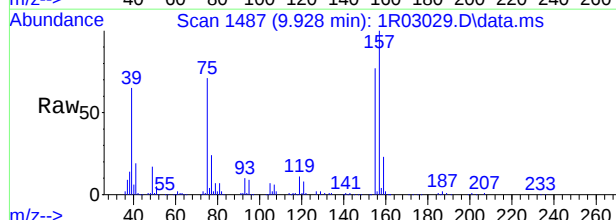
Tgt Ion	Ratio	Lower	Upper
201	100		
166	71.6	40.0	100.0
199	62.4	34.6	94.6
203	67.0	35.6	95.6





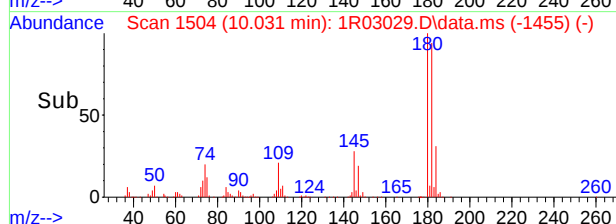
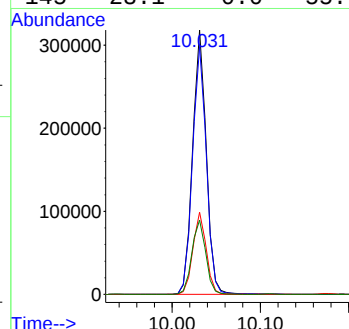
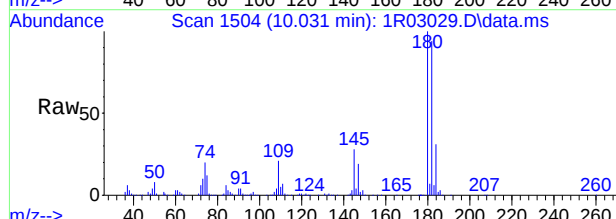
#118
1,2-dibromo-3-chloropropane
Concen: 54.83 ug/L
RT: 9.928 min Scan# 1487
Delta R.T. -0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

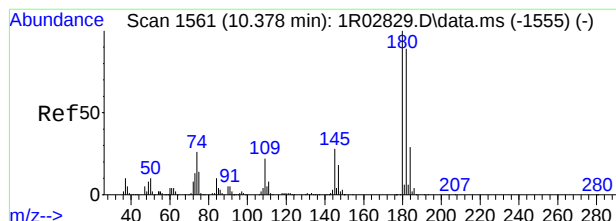
Tgt Ion:157 Resp: 122616
Ion Ratio Lower Upper
157 100
75 71.3 45.6 105.6
155 76.8 44.4 104.4



#119
1,3,5-trichlorobenzene
Concen: 47.38 ug/L
RT: 10.031 min Scan# 1504
Delta R.T. -0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

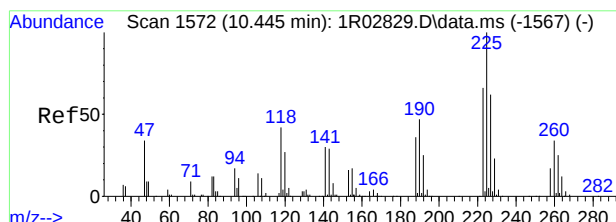
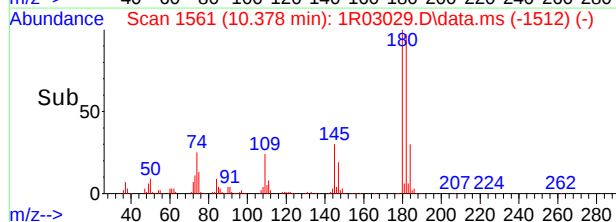
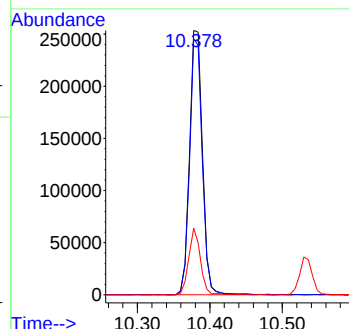
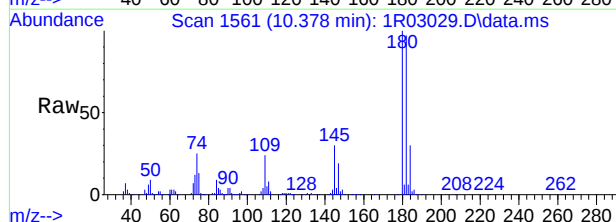
Tgt Ion:180 Resp: 342386
Ion Ratio Lower Upper
180 100
182 93.8 63.0 123.0
184 31.1 0.8 60.8
145 28.1 0.0 55.7





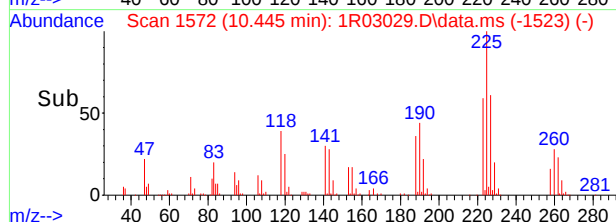
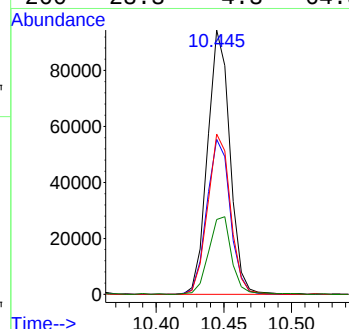
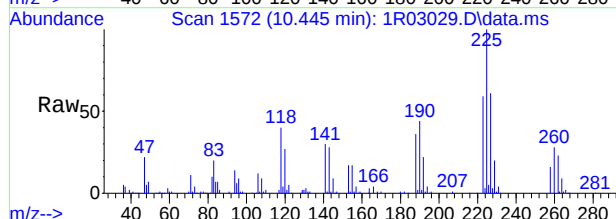
#120
1,2,4-trichlorobenzene
Concen: 51.31 ug/L
RT: 10.378 min Scan# 1561
Delta R.T. -0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

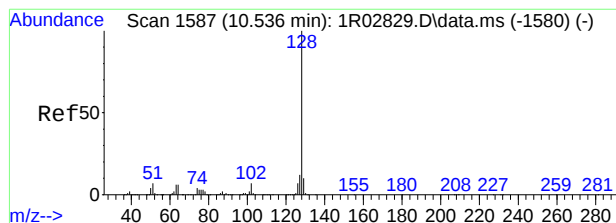
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	312107		
182	96.8	59.1	119.1	
74	25.3	0.0	56.3	



#121
hexachlorobutadiene
Concen: 49.19 ug/L
RT: 10.445 min Scan# 1572
Delta R.T. -0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

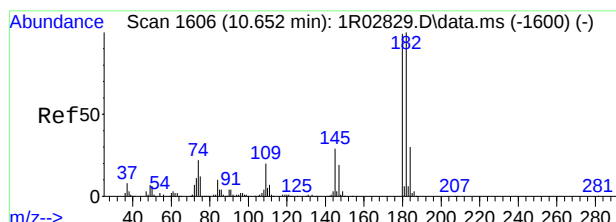
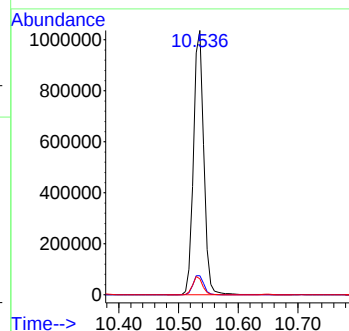
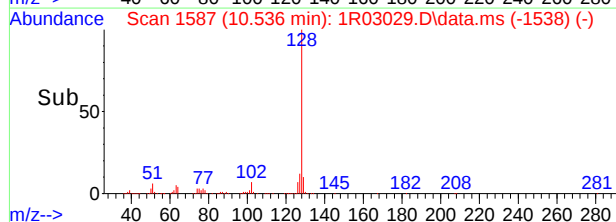
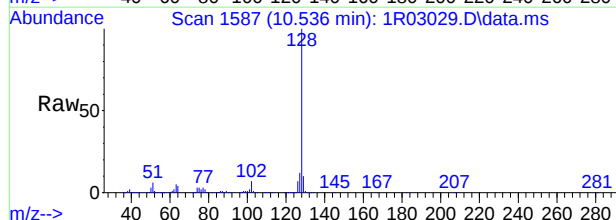
Tgt Ion	Ratio	Resp	Lower	Upper
225	100	108664		
223	58.6	36.0	96.0	
227	60.6	32.2	92.2	
260	28.3	4.3	64.3	





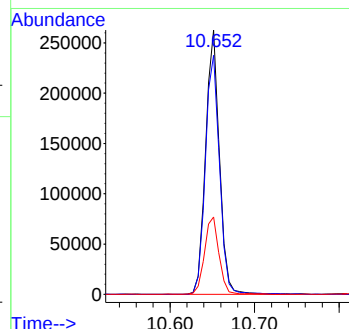
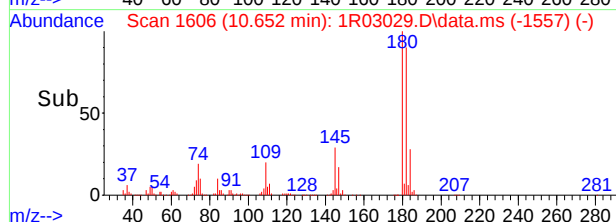
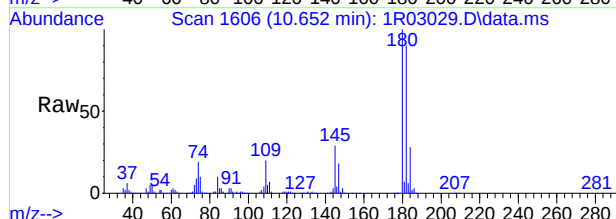
#122
naphthalene
Concen: 55.85 ug/L
RT: 10.536 min Scan# 1587
Delta R.T. -0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

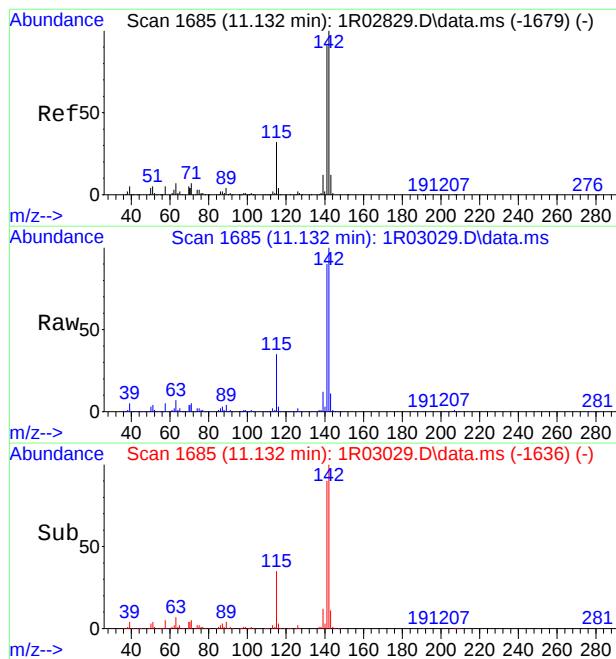
Tgt Ion:128 Resp: 1240380
Ion Ratio Lower Upper
128 100
102 7.2 0.0 37.1
51 6.1 0.0 37.3



#123
1,2,3-trichlorobenzene
Concen: 49.61 ug/L
RT: 10.652 min Scan# 1606
Delta R.T. -0.000 min
Lab File: 1R03029.D
Acq: 4 Apr 2023 4:36 pm

Tgt Ion:180 Resp: 298596
Ion Ratio Lower Upper
180 100
182 90.4 71.4 131.4
145 29.3 0.0 59.5





#124

2-methylnaphthalene

Concen: 28.11 ug/L

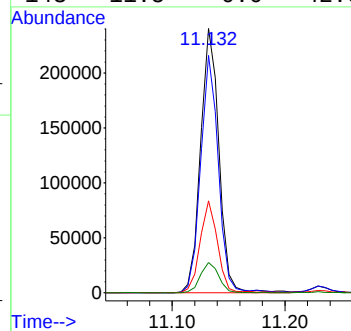
RT: 11.132 min Scan# 1685

Delta R.T. 0.000 min

Lab File: 1R03029.D

Acq: 4 Apr 2023 4:36 pm

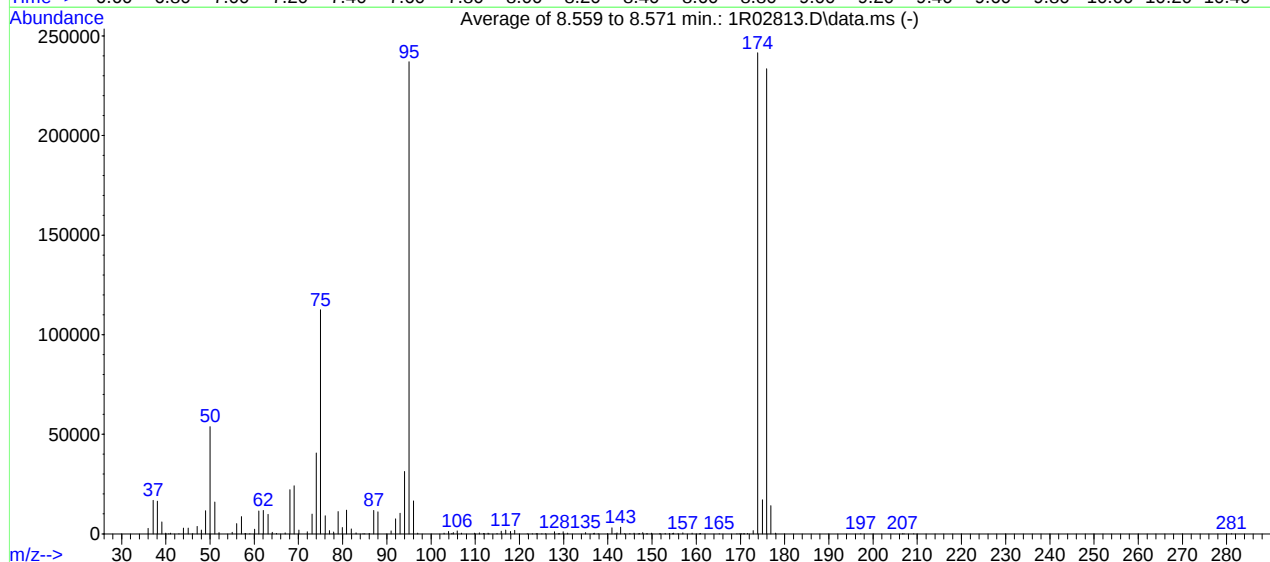
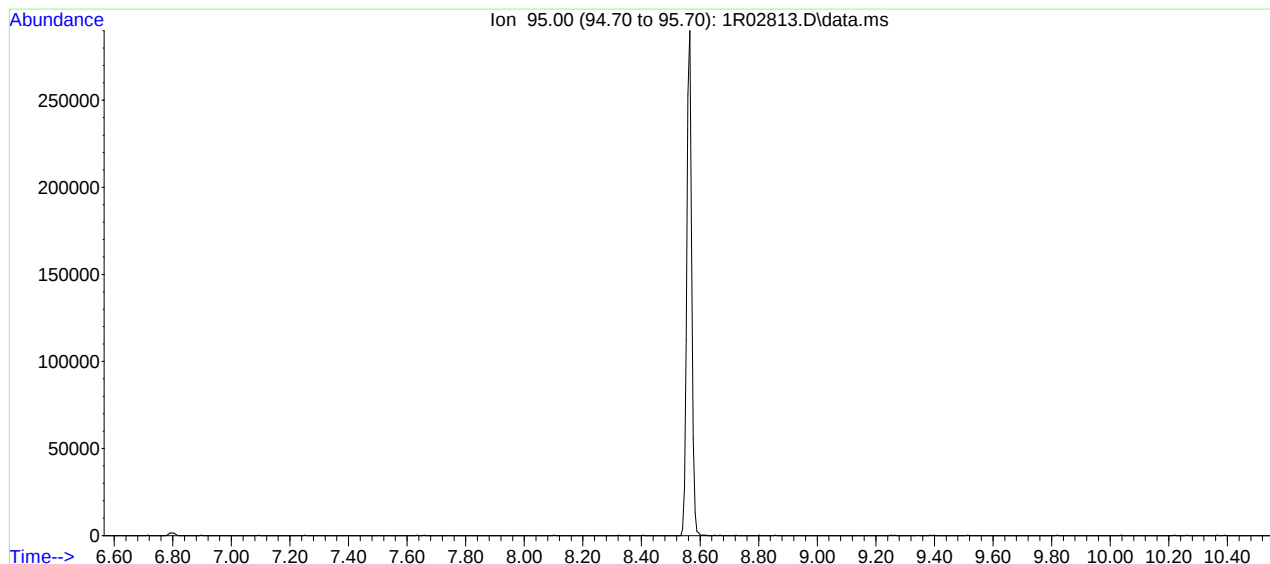
Tgt	Ion:142	Resp:	272894
Ion	Ratio	Lower	Upper
142	100		
141	89.8	70.6	110.6
115	34.7	1.9	61.9
143	11.5	0.0	42.0



SW-846 Method 8260

Data File : C:\msdchem\1\data\V1r91\1R02813.D Vial: 1
Acq On : 28 Mar 2023 9:55 pm Operator: PrashanS
Sample : BFB Inst : GCMSR
Misc : MS67262,V1R0091,5,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M1R0091.M (RTE Integrator)
Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um



AutoFind: Scans 1262, 1263, 1264; Background Corrected with Scan 1256

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.7	53808	PASS
75	95	30	60	47.5	112563	PASS
95	95	100	100	100.0	237077	PASS
96	95	5	9	7.0	16559	PASS
173	174	0.00	2	0.7	1620	PASS
174	95	50	150	101.9	241536	PASS
175	174	5	9	7.1	17164	PASS
176	174	95	101	96.7	233536	PASS
177	176	5	9	6.0	14108	PASS

Average of 8.559 to 8.571 min.: 1R02813.D\data.ms

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	2791	47.05	3690	59.00	82	72.00	1057
37.10	16822	48.00	1909	60.10	2352	73.05	9913
38.10	16400	49.00	11565	61.00	11439	74.00	40669
39.10	5986	50.00	53808	62.05	11712	75.00	112563
40.00	369	51.10	16037	63.10	9752	76.05	9157
40.70	82	52.05	709	64.05	811	77.00	1604
41.05	291	55.00	826	65.00	174	77.95	905
42.95	25	56.05	5206	67.00	474	79.00	11201
44.00	2866	57.10	8707	68.05	22211	79.95	3172
45.05	2924	57.90	209	69.00	24202	80.90	11862
46.05	148	58.05	210	70.10	1960	81.95	2419

Average of 8.559 to 8.571 min.: 1R02813.D\data.ms

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
83.05	514	96.00	16559	112.10	58	124.00	193
84.60	58	96.95	368	112.90	332	125.10	124
85.00	65	102.95	383	113.10	128	125.90	73
86.00	267	103.95	1254	114.95	196	127.90	1121
87.00	11726	104.70	178	115.90	1395	128.80	150
88.00	11115	105.05	582	116.90	1874	129.00	203
90.95	1422	105.95	1542	117.95	1220	129.90	992
92.00	7508	106.90	314	118.90	1739	130.90	409
93.00	10304	109.85	321	121.80	89	134.95	600
94.00	31381	110.95	504	122.90	91	136.80	236
95.00	237077	111.90	233	123.80	72	136.95	335

Average of 8.559 to 8.571 min.: 1R02813.D\data.ms

BFB

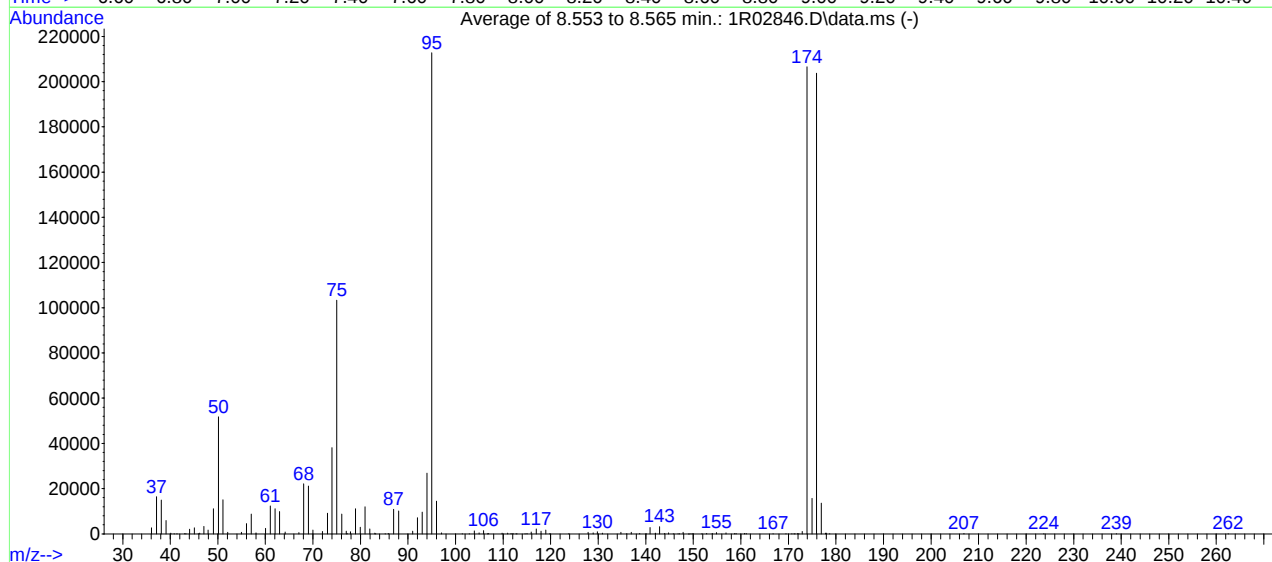
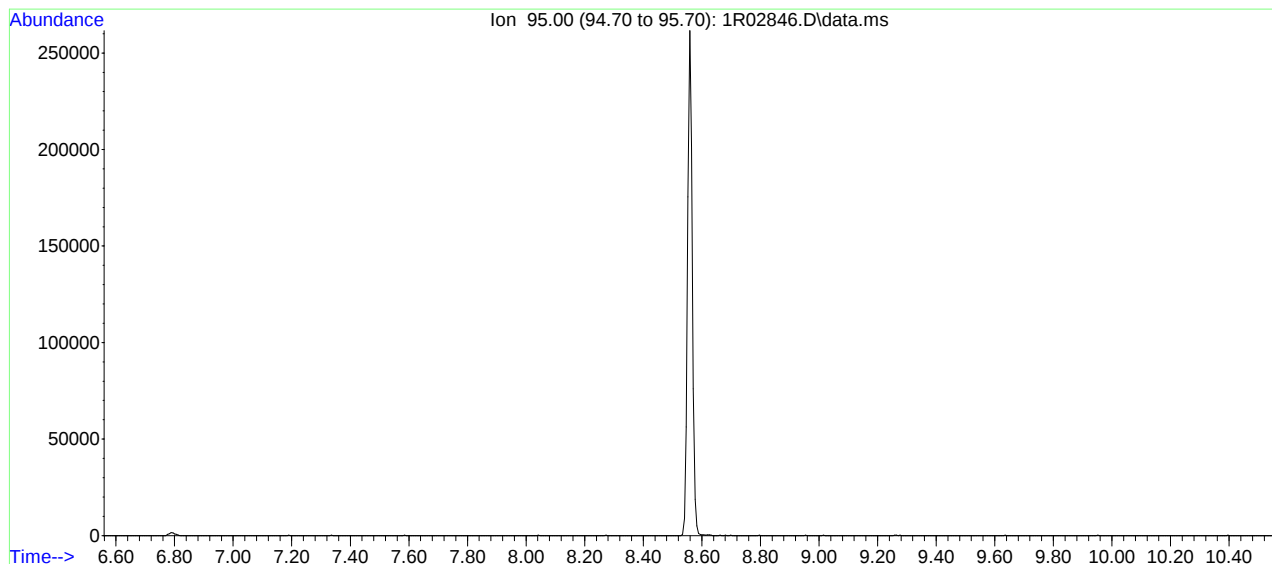
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
137.80	72	147.90	593	156.95	534	172.90	1620
139.90	119	148.70	63	159.05	304	173.90	241536
140.95	3045	149.00	135	160.70	103	175.00	17164
141.60	67	149.85	310	160.95	238	175.90	233536
142.05	552	151.70	96	165.20	78	176.90	14108
142.90	3360	151.90	87	169.20	78	177.95	350
143.80	109	153.00	153	169.70	121	197.20	73
144.95	281	153.95	162	170.30	142	206.70	73
145.90	383	154.70	206	170.70	67	207.00	69
146.90	78	154.85	354	170.90	64	209.20	59
147.15	181	155.90	76	171.60	214	281.10	98

SW-846 Method 8260

Data File : C:\msdchem\1\data\V1r91\1R02846.D Vial: 18
Acq On : 29 Mar 2023 4:59 pm Operator: PrashanS
Sample : bfb2 Inst : GCMSR
Misc : MS67262,V2R0091,5,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M1R0091.M (RTE Integrator)
Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um



AutoFind: Scans 1261, 1262, 1263; Background Corrected with Scan 1255

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.3	51715	PASS
75	95	30	60	48.6	103344	PASS
95	95	100	100	100.0	212736	PASS
96	95	5	9	6.8	14480	PASS
173	174	0.00	2	0.5	1103	PASS
174	95	50	150	97.1	206571	PASS
175	174	5	9	7.6	15660	PASS
176	174	95	101	98.6	203776	PASS
177	176	5	9	6.6	13543	PASS

Average of 8.553 to 8.565 min.: 1R02846.D\data.ms

bfb2

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	2642	45.90	59	58.05	402	73.05	9074
37.10	16368	46.15	270	60.05	2434	74.00	38075
38.10	14893	47.05	3271	61.05	12360	75.00	103344
39.10	5925	47.95	1677	62.05	11067	76.05	8786
40.10	268	49.05	11081	63.00	9922	77.00	1184
40.80	59	50.10	51715	64.15	834	77.20	236
41.40	64	51.05	15048	67.05	553	77.90	963
43.05	195	52.05	694	68.05	22136	78.95	11107
43.30	63	54.95	726	69.05	21203	79.95	2913
44.05	2095	56.00	4589	70.00	1711	80.95	11908
45.05	2728	57.05	8765	72.00	1079	81.95	2230

Average of 8.553 to 8.565 min.: 1R02846.D\data.ms

bfb2

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
83.00	273	96.00	14480	111.65	163	123.80	63
83.20	118	97.05	439	112.10	147	127.90	741
85.20	59	101.40	62	112.70	108	128.95	458
85.85	230	102.90	85	112.90	90	129.85	903
86.95	10793	103.95	1305	114.60	63	130.90	354
88.00	10142	104.95	415	115.05	158	134.80	677
90.95	1230	105.90	1413	115.90	843	136.00	74
92.00	7094	106.70	63	116.95	2123	136.95	693
93.00	9668	106.95	235	117.95	1168	138.75	162
94.00	26891	109.80	340	118.95	1700	140.10	58
95.00	212736	110.95	264	119.80	72	140.90	2826

Average of 8.553 to 8.565 min.: 1R02846.D\data.ms

bfb2

Modified:subtracted

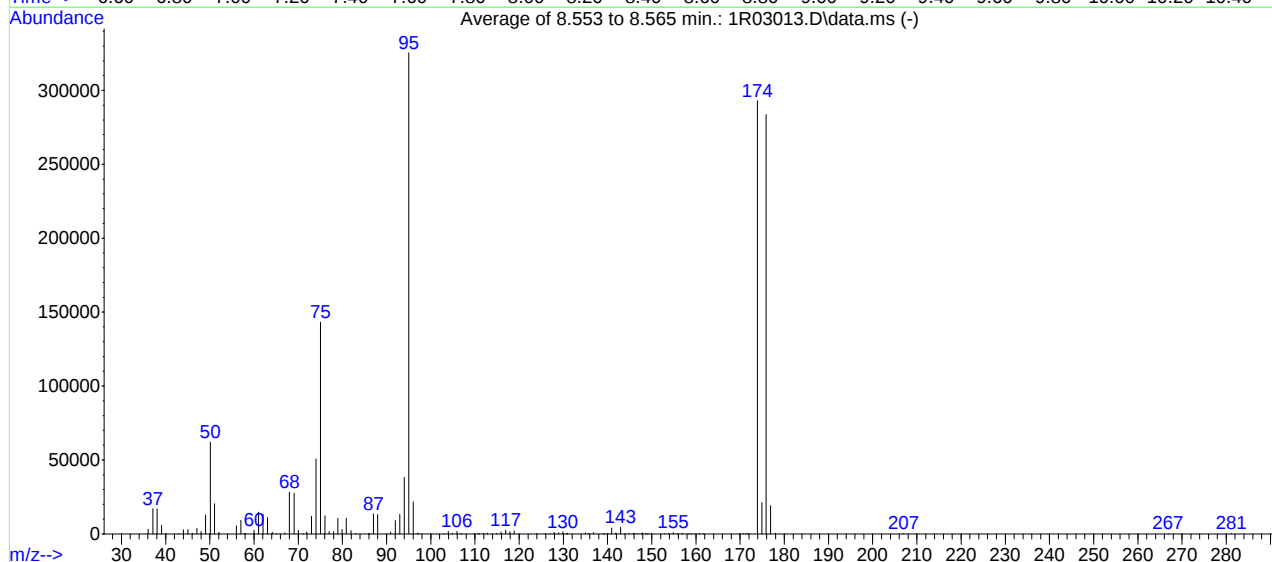
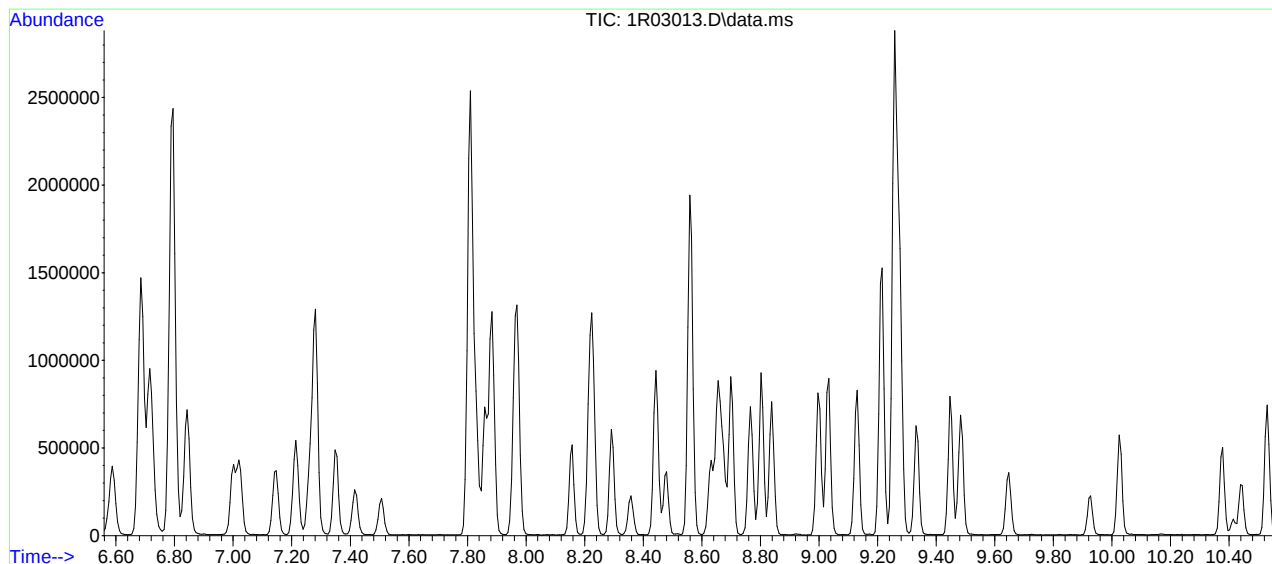
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
142.05	259	151.80	70	170.70	95	178.00	291
142.90	3166	152.80	141	171.20	84	178.70	60
143.95	154	154.00	145	171.40	100	206.95	225
144.80	436	154.85	506	171.95	198	223.70	68
145.80	35	156.90	379	172.20	68	239.00	70
146.80	73	158.70	150	172.90	1103	262.50	69
147.10	58	159.00	132	173.90	206571		
147.85	723	160.75	206	174.95	15660		
148.95	6	161.15	149	175.90	203776		
149.50	69	166.80	58	176.90	13543		
149.90	233	169.50	82	177.80	261		

SW-846 Method 8260

Data File : M:\MSVOA\GCMSR\VR0100\1R03013.D
Acq On : 4 Apr 2023 9:38 am
Sample : bfb
Misc : MS67909,V1R0100,5,,,1
MS Integration Params: rteint.p

Vial: 2
Operator: nickw
Inst : GCMSR
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\M1R0091.M (RTE Integrator)
Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um



AutoFind: Scans 1261, 1262, 1263; Background Corrected with Scan 1254

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.1	62083	PASS
75	95	30	60	44.1	143333	PASS
95	95	100	100	100.0	325376	PASS
96	95	5	9	6.7	21747	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	150	90.1	293013	PASS
175	174	5	9	7.2	21152	PASS
176	174	95	101	96.8	283755	PASS
177	176	5	9	6.7	19014	PASS

Average of 8.553 to 8.565 min.: 1R03013.D\data.ms

bfb

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	3060	49.05	12828	63.05	10893	75.05	143333
37.10	16964	50.10	62083	64.10	1105	76.05	12188
38.05	16939	51.05	20438	65.10	68	77.00	1604
39.10	5872	52.05	1035	67.00	685	78.00	1422
40.10	202	56.00	5337	68.00	28133	78.95	10500
43.00	151	57.00	9147	69.05	27416	79.95	3000
44.00	2753	57.80	83	70.05	2312	80.90	10565
45.05	2984	58.10	308	71.20	68	81.95	2249
46.15	308	60.00	2493	71.95	1300	82.95	232
47.05	3791	61.00	14655	73.00	11944	85.95	397
48.00	1601	62.05	13296	74.00	50715	86.20	149

Average of 8.553 to 8.565 min.: 1R03013.D\data.ms

bfb

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
87.00	13500	103.95	1591	115.85	1303	130.90	452
88.00	13152	104.90	386	116.95	2556	134.95	702
90.90	1252	105.90	1709	117.90	1398	135.60	93
92.00	9066	106.80	126	118.85	2017	135.80	71
93.00	13115	107.00	199	124.00	279	136.85	867
94.00	38128	109.95	208	125.90	91	139.00	104
95.00	325376	110.75	222	127.00	67	139.30	62
96.00	21747	111.00	176	127.90	1120	139.90	193
96.95	457	111.90	356	128.95	636	140.10	89
97.20	230	112.85	451	129.90	1492	140.90	3905
103.00	191	114.95	397	130.70	66	141.90	603

Average of 8.553 to 8.565 min.: 1R03013.D\data.ms

bfb

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
142.95	4407	149.95	191	170.80	140	281.20	68
143.85	187	152.90	114	171.40	162		
144.85	371	153.85	333	171.70	124		
145.85	452	154.90	876	172.00	119		
146.10	100	155.90	60	173.90	293013		
146.90	219	156.90	486	174.90	21152		
147.70	169	158.30	59	175.90	283755		
147.90	643	158.95	306	176.90	19014		
148.60	82	160.85	352	177.95	551		
148.90	142	161.70	65	207.00	208		
149.20	88	169.90	77	266.90	70		

7.5.3

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V1r91\
 Data File : 1R02815.D
 Acq On : 28 Mar 2023 10:46 pm
 Operator : Prashans
 Sample : IC0091-0.2
 Misc : MS67262,V1R0091,5,,,1
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 30 09:05:11 2023
 Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M
 Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
 QLast Update : Wed Mar 29 12:12:11 2023
 Response via : Initial Calibration

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

Internal Standards						
1) tert butyl alcohol-d9	3.485	65	524695	500.00	ug/L	0.00
5) pentafluorobenzene	5.024	168	631778	50.00	ug/L	0.00
52) 1,4-difluorobenzene	5.651	114	885203	50.00	ug/L	0.00
73) chlorobenzene-d5	7.810	117	816563	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	9.258	152	376952	50.00	ug/L	0.00
System Monitoring Compounds						
44) dibromofluoromethane (s)	5.012	113	273684	49.34	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	98.68%		
53) 1,2-dichloroethane-d4 (s)	5.298	65	236768	45.58	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery =	91.16%		
74) toluene-d8 (s)	6.794	98	1114103	44.51	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	89.02%		
98) 4-bromofluorobenzene (s)	8.565	174	328459	63.47	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	126.94%#		
Target Compounds						Qvalue
7) dichlorodifluoromethane	1.642	85	861	0.21	ug/L	84
13) trichlorofluoromethane	2.536	101	1096	0.21	ug/L	66
17) 1,1-dichloroethene	3.035	96	729	0.23	ug/L	90
24) methyl tert butyl ether	3.728	73	1874	0.18	ug/L	57
27) di-isopropyl ether	4.136	45	2736	0.18	ug/L #	75
29) 1,1-dichloroethane	4.118	63	1444	0.21	ug/L	72
30) chloroprene	4.191	53	1205	0.19	ug/L	69
33) ethyl tert-butyl ether	4.440	59	2452	0.20	ug/L	92
36) cis-1,2-dichloroethene	4.610	96	944	0.23	ug/L #	59
37) propionitrile	4.647	54	2682	2.17	ug/L	79
40) bromochloromethane	4.805	128	460	0.23	ug/L #	28
55) 2,2,4-trimethylpentane	5.401	57	2571	0.22	ug/L	84
56) benzene	5.316	78	3576	0.21	ug/L #	1
57) tert-amyl methyl ether	5.407	73	2192	0.18	ug/L	77
59) 1,2-dichloroethane	5.359	62	1167	0.22	ug/L	84
61) trichloroethene	5.851	95	919	0.22	ug/L	82
62) 2-chloroethyl vinyl ether	6.466	63	2988	0.72	ug/L	83
64) methylcyclohexane	6.034	83	1559	0.24	ug/L #	67
70) cis-1,3-dichloropropene	6.594	75	1552	0.23	ug/L	83
71) 4-methyl-2-pentanone	6.685	58	2610	0.71	ug/L #	55
75) toluene	6.843	92	2487	0.23	ug/L #	77
77) trans-1,3-dichloropropene	7.001	75	957	0.17	ug/L #	25
78) 1,1,2-trichloroethane	7.147	83	703	0.23	ug/L #	80
79) tetrachloroethene	7.220	164	881	0.25	ug/L #	55
80) 2-hexanone	7.287	58	3063	0.91	ug/L #	71
81) 1,3-dichloropropane	7.263	76	1355	0.24	ug/L #	72
85) n-butyl ether	7.859	57	4019	0.21	ug/L	92
86) chlorobenzene	7.829	112	2360	0.21	ug/L #	31
88) ethylbenzene	7.890	91	4064	0.20	ug/L	89
89) m,p-xylene	7.963	106	2673	0.32	ug/L	89
90) o-xylene	8.224	91	3489	0.20	ug/L	87
92) butyl acrylate	8.157	55	1695	0.17	ug/L	95
95) bromoform	8.358	173	720	0.19	ug/L #	36
102) bromobenzene	8.662	156	697	0.19	ug/L #	77
104) 2-chlorotoluene	8.772	126	762	0.24	ug/L #	86
105) 4-chlorotoluene	8.839	91	2733	0.25	ug/L	75
106) 1,3,5-trimethylbenzene	8.808	105	2660	0.22	ug/L	93
108) 1,2,4-trimethylbenzene	9.033	105	2175	0.16	ug/L	92
109) sec-butylbenzene	9.131	105	2600	0.17	ug/L	86
110) p-isopropyltoluene	9.210	119	2970	0.20	ug/L	79

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V1r91\
Data File : 1R02815.D
Acq On : 28 Mar 2023 10:46 pm
Operator : PrashanS
Sample : IC0091-0.2
Misc : MS67262,V1R0091,5,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 30 09:05:11 2023
Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M
Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Wed Mar 29 12:12:11 2023
Response via : Initial Calibration

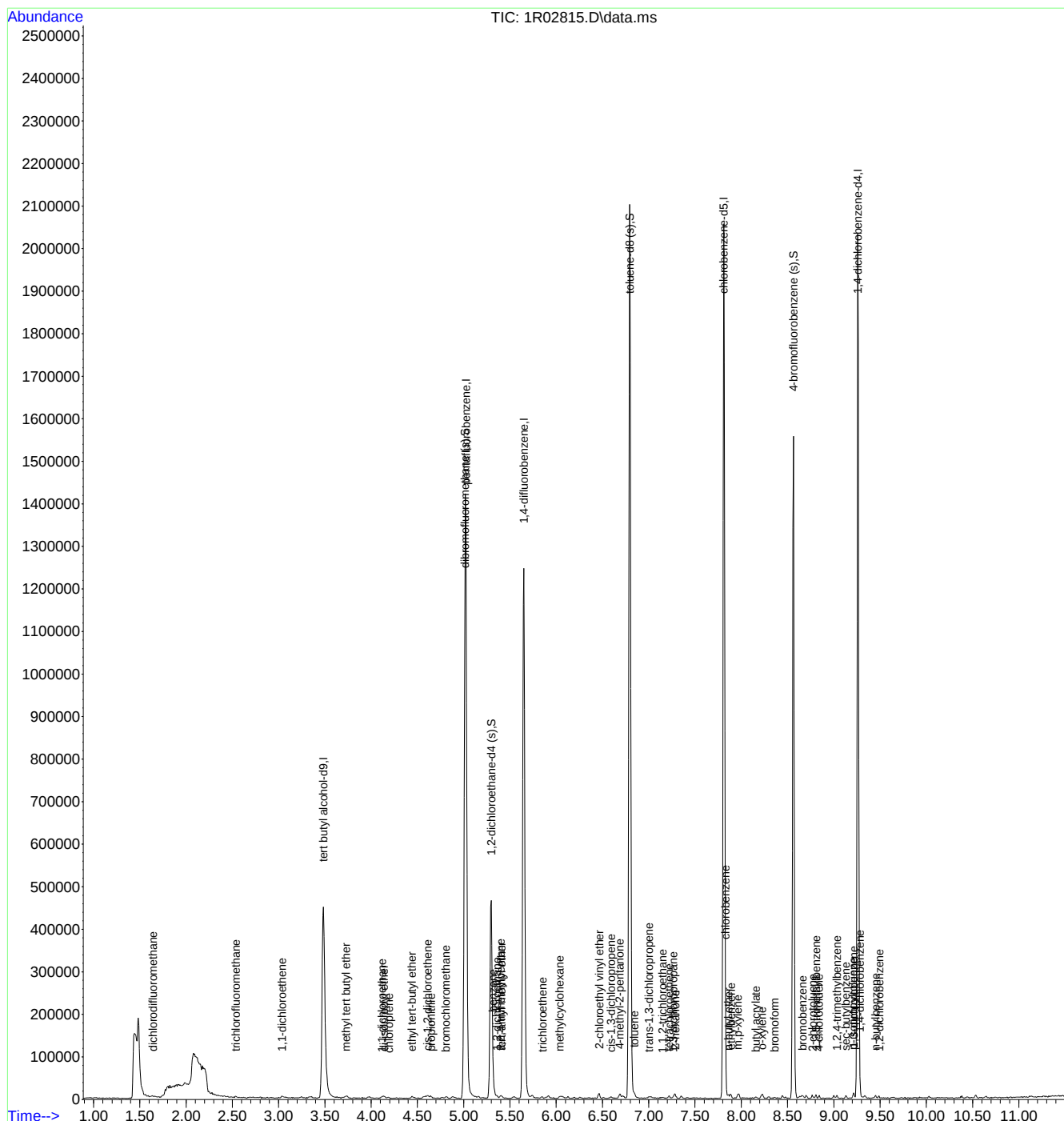
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112) 1,3-dichlorobenzene	9.216	146	1659	0.19	ug/L	86
113) 1,4-dichlorobenzene	9.283	146	1867	0.22	ug/L	86
114) 1,2-dichlorobenzene	9.489	146	1404	0.18	ug/L	82
116) n-butylbenzene	9.453	92	1206	0.19	ug/L	88

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V1r91\
Data File : 1R02815.D
Acq On : 28 Mar 2023 10:46 pm
Operator : Prashans
Sample : IC0091-0.2
Misc : MS67262,V1R0091,5,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 30 09:05:11 2023
Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M
Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Wed Mar 29 12:12:11 2023
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V1r91\
 Data File : 1R02817.D
 Acq On : 28 Mar 2023 11:19 pm
 Operator : Prashans
 Sample : IC0091-0.5
 Misc : MS67262,V1R0091,5,,,,,1
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 30 09:06:19 2023
 Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M
 Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
 QLast Update : Wed Mar 29 12:20:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) tert butyl alcohol-d9	3.491	65	518421	500.00	ug/L	0.00
5) pentafluorobenzene	5.030	168	627743	50.00	ug/L	0.00
52) 1,4-difluorobenzene	5.657	114	870680	50.00	ug/L	0.00
73) chlorobenzene-d5	7.817	117	821774	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	9.264	152	371336	50.00	ug/L	0.00
System Monitoring Compounds						
44) dibromofluoromethane (s)	5.024	113	264721	48.35	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	96.70%		
53) 1,2-dichloroethane-d4 (s)	5.304	65	236206	48.37	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery =	96.74%		
74) toluene-d8 (s)	6.801	98	1096721	46.06	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	92.12%		
98) 4-bromofluorobenzene (s)	8.565	174	321812	55.63	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	111.26%		
Target Compounds						Qvalue
2) ethanol	2.700	45	4952	56.75	ug/L	81
3) tertiary butyl alcohol	3.564	59	3469	2.92	ug/L	75
7) dichlorodifluoromethane	1.636	85	2561	0.61	ug/L	59
9) vinyl chloride	1.897	62	4107	0.64	ug/L	89
10) 1,3-butadiene	1.928	54	2574	0.52	ug/L #	69
13) trichlorofluoromethane	2.542	101	2306	0.43	ug/L	84
14) ethyl ether	2.810	74	1119	0.52	ug/L #	52
16) freon 113	3.047	151	1718	0.60	ug/L #	73
17) 1,1-dichloroethene	3.035	96	1812	0.53	ug/L #	56
18) acetone	3.065	58	1992	2.93	ug/L #	54
21) carbon disulfide	3.260	76	5372	0.59	ug/L	92
22) methylene chloride	3.491	84	1764	0.48	ug/L	84
24) methyl tert butyl ether	3.728	73	5546	0.56	ug/L	87
25) trans-1,2-dichloroethene	3.747	96	1951	0.53	ug/L	86
26) hexane	3.984	56	1921	0.64	ug/L #	67
27) di-isopropyl ether	4.142	45	7804	0.54	ug/L	95
28) 2-butanone	4.598	72	2156	2.38	ug/L #	38
29) 1,1-dichloroethane	4.130	63	3740	0.53	ug/L	82
30) chloroprene	4.191	53	2867	0.47	ug/L	94
31) acrylonitrile	3.698	53	1253	0.43	ug/L #	68
33) ethyl tert-butyl ether	4.452	59	5059	0.42	ug/L	94
35) 2,2-dichloropropane	4.623	77	2479	0.52	ug/L	74
36) cis-1,2-dichloroethene	4.617	96	1955	0.45	ug/L #	75
37) propionitrile	4.653	54	5866	4.58	ug/L	91
40) bromochloromethane	4.817	128	826	0.39	ug/L #	53
42) chloroform	4.896	83	4295	0.64	ug/L	72
43) tert-Butyl Formate	4.902	59	1680	0.40	ug/L	80
45) 1,1,1-trichloroethane	5.030	97	3192	0.56	ug/L #	1
46) cyclohexane	5.103	84	3243	0.57	ug/L #	25
48) 1,1-dichloropropene	5.164	75	2482	0.49	ug/L	79
49) carbon tetrachloride	5.170	117	2275	0.45	ug/L	82
55) 2,2,4-trimethylpentane	5.407	57	5470	0.45	ug/L	84
56) benzene	5.322	78	7904m	0.46	ug/L	
57) tert-amyl methyl ether	5.426	73	5569	0.49	ug/L	90
58) heptane	5.547	57	1214	0.47	ug/L #	70
59) 1,2-dichloroethane	5.371	62	2957	0.54	ug/L	98
60) ethyl acrylate	5.894	55	4310	0.49	ug/L	88
61) trichloroethene	5.852	95	1650	0.38	ug/L #	69
62) 2-chloroethyl vinyl ether	6.466	63	7689	2.19	ug/L	78
64) methylcyclohexane	6.052	83	2781	0.39	ug/L #	84

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V1r91\
 Data File : 1R02817.D
 Acq On : 28 Mar 2023 11:19 pm
 Operator : Prashans
 Sample : IC0091-0.5
 Misc : MS67262,V1R0091,5,,,1
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 30 09:06:19 2023
 Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M
 Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
 QLast Update : Wed Mar 29 12:20:15 2023
 Response via : Initial Calibration

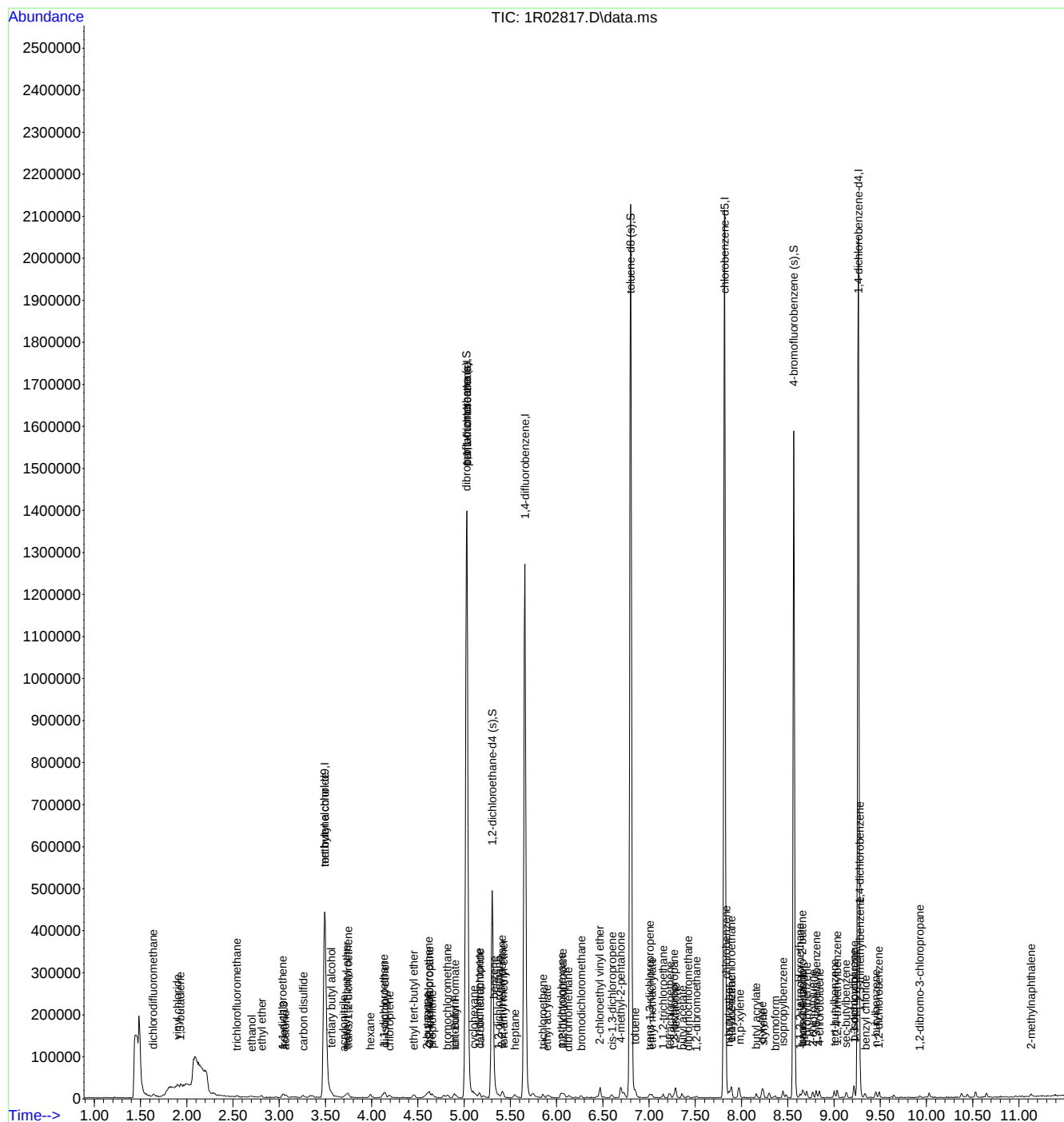
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65)	1,2-dichloropropane	6.064	63	2029	0.44	ug/L	80
66)	dibromomethane	6.125	93	1622	0.58	ug/L #	45
67)	bromodichloromethane	6.265	83	2619	0.50	ug/L	71
70)	cis-1,3-dichloropropene	6.600	75	2710	0.38	ug/L	82
71)	4-methyl-2-pentanone	6.691	58	5571	1.63	ug/L #	64
75)	toluene	6.849	92	4042	0.34	ug/L	96
76)	ethyl methacrylate	7.032	69	2480	0.42	ug/L	90
77)	trans-1,3-dichloropropene	7.007	75	2679	0.51	ug/L	86
78)	1,1,2-trichloroethane	7.153	83	1530	0.46	ug/L	84
79)	tetrachloroethene	7.226	164	2255	0.57	ug/L #	76
80)	2-hexanone	7.287	58	5671	1.56	ug/L #	85
81)	1,3-dichloropropane	7.269	76	2442	0.39	ug/L	88
82)	butyl acetate	7.360	56	2354	0.55	ug/L #	41
83)	dibromochloromethane	7.421	129	1687	0.41	ug/L	76
84)	1,2-dibromoethane	7.512	107	1809	0.47	ug/L	96
85)	n-butyl ether	7.865	57	8181	0.42	ug/L	86
86)	chlorobenzene	7.835	112	5342	0.46	ug/L	76
87)	1,1,1,2-tetrachloroethane	7.890	131	1655	0.37	ug/L #	80
88)	ethylbenzene	7.890	91	9203	0.45	ug/L	87
89)	m,p-xylene	7.981	106	6760	0.89	ug/L #	62
90)	o-xylene	8.224	91	5750	0.33	ug/L	85
91)	styrene	8.236	104	5106	0.32	ug/L	80
92)	butyl acrylate	8.157	55	3922	0.42	ug/L	95
94)	isopropylbenzene	8.449	105	6962	0.33	ug/L	96
95)	bromoform	8.364	173	1370	0.37	ug/L	86
99)	1,1,2,2-tetrachloroethane	8.632	83	2771	0.68	ug/L	96
100)	trans-1,4-dichloro-2-b...	8.656	53	968	0.60	ug/L #	52
102)	bromobenzene	8.662	156	2294	0.66	ug/L #	77
103)	n-propylbenzene	8.705	91	9575	0.61	ug/L	94
104)	2-chlorotoluene	8.772	126	1499	0.44	ug/L	92
105)	4-chlorotoluene	8.845	91	6080	0.50	ug/L	83
106)	1,3,5-trimethylbenzene	8.808	105	5720	0.46	ug/L	89
107)	tert-butylbenzene	9.003	119	5306	0.57	ug/L	78
108)	1,2,4-trimethylbenzene	9.033	105	6270	0.52	ug/L	100
109)	sec-butylbenzene	9.131	105	7615	0.55	ug/L	96
110)	p-isopropyltoluene	9.216	119	6012	0.41	ug/L	96
111)	1,2,3-trimethylbenzene	9.283	105	6700	0.47	ug/L	90
112)	1,3-dichlorobenzene	9.222	146	4053	0.49	ug/L	90
113)	1,4-dichlorobenzene	9.277	146	4833	0.55	ug/L	73
114)	1,2-dichlorobenzene	9.483	146	3250	0.44	ug/L	84
115)	benzyl chloride	9.344	91	4893	0.49	ug/L	98
116)	n-butylbenzene	9.453	92	3442	0.57	ug/L	80
118)	1,2-dibromo-3-chloropr...	9.928	157	756	0.68	ug/L #	45
124)	2-methylnaphthalene	11.132	142	1843	0.40	ug/L #	67

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V1r91\
Data File : 1R02817.D
Acq On : 28 Mar 2023 11:19 pm
Operator : Prashans
Sample : IC0091-0.5
Misc : MS67262,V1R0091,5,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 30 09:06:19 2023
Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M
Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Wed Mar 29 12:20:15 2023
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: V1R91-IC0091

Method: SW846 8260D

Lab FileID: 1R02817.D

Analyst approved: 03/30/23 10:37 MoHui Huang

Injection Time: 03/28/23 23:19

Supervisor approved: 03/30/23 12:39 Kanya Veerawat

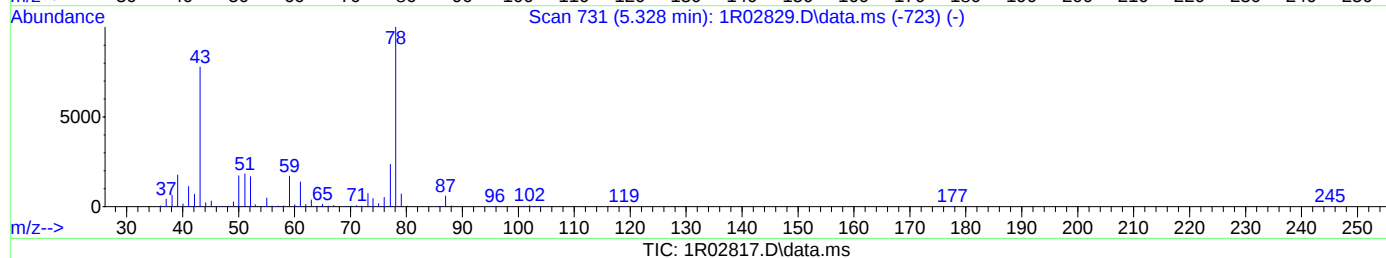
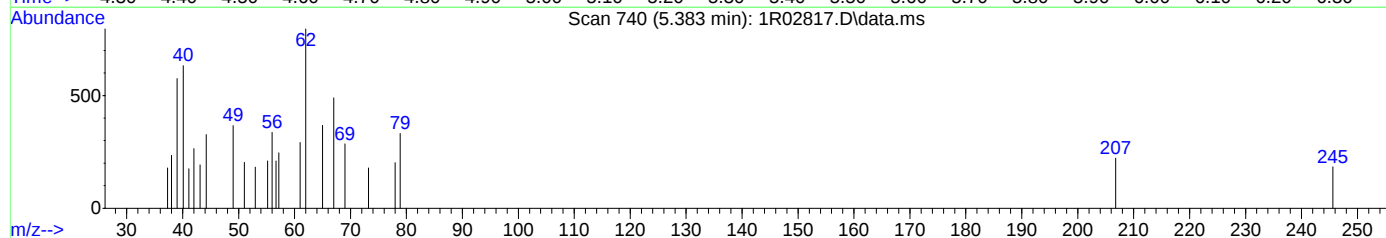
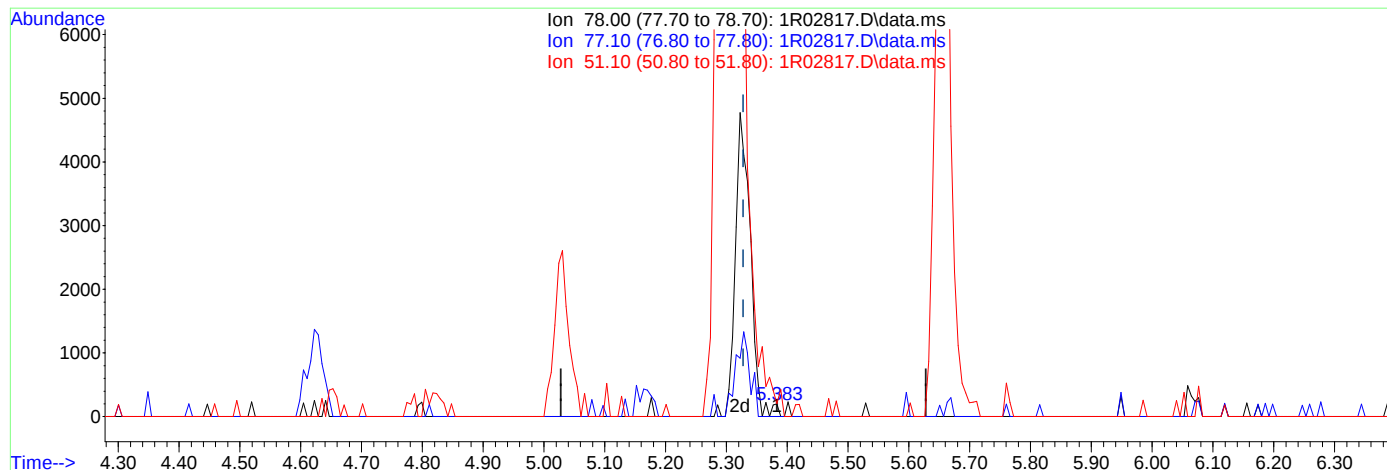
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzene	71-43-2		5.32	Missed peak

7.6.2.1
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\VR0091-raw\
 Data File : 1R02817.D
 Acq On : 28 Mar 2023 11:19 pm
 Operator : Prashans
 Sample : IC0091-0.5
 Misc : MS67262,V1R0091,5,,,,,1
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 28 23:31:13 2023
 Quant Method : C:\MSDCHEM\1\METHODS\MR0091.M
 Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
 QLast Update : Wed Jan 11 14:18:02 2023
 Response via : Initial Calibration



(56) benzene

5.383min (+0.055) 0.01ug/L

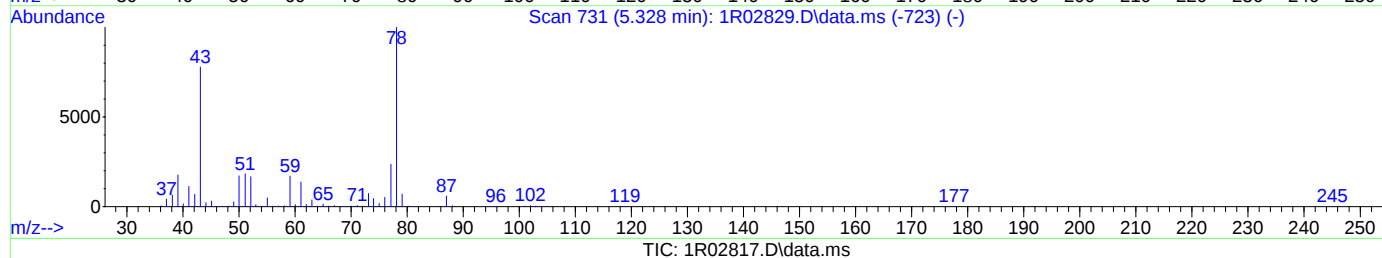
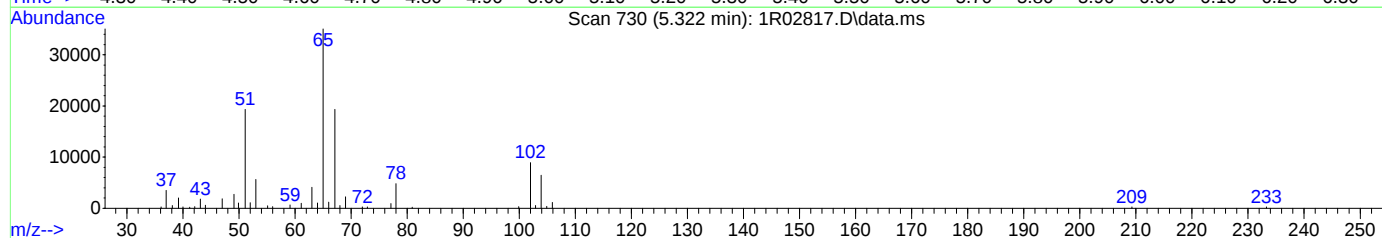
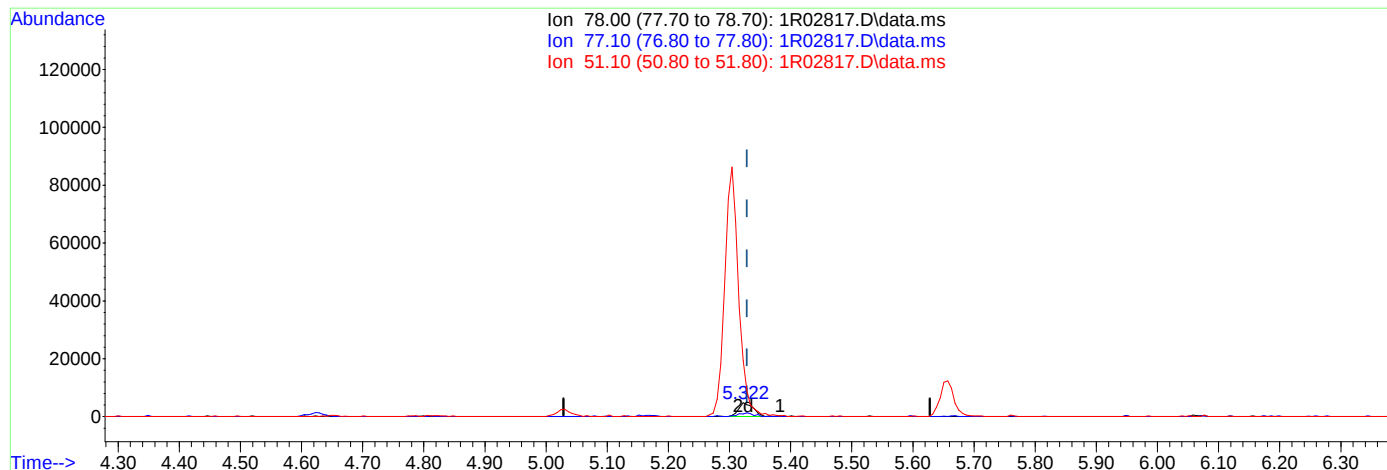
response 141

Ion	Exp%	Act%
78.00	100	100
77.10	23.30	0.00
51.10	21.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\V1r91\
Data File : 1R02817.D
Acq On : 28 Mar 2023 11:19 pm
Operator : Prashans
Sample : IC0091-0.5
Misc : MS67262,V1R0091,5,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 30 09:06:19 2023
Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M
Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Wed Mar 29 12:20:15 2023
Response via : Initial Calibration



(56) benzene

5.322min (-0.006) 0.46ug/L m

response 7904

Ion	Exp%	Act%
78.00	100	100
77.10	23.60	19.25
51.10	19.70	405.11#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V1r91\
 Data File : 1R02819.D
 Acq On : 28 Mar 2023 11:52 pm
 Operator : Prashans
 Sample : IC0091-1
 Misc : MS67262,V1R0091,5,,,1
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 29 12:43:11 2023
 Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M
 Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
 QLast Update : Wed Mar 29 12:26:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) tert butyl alcohol-d9	3.491	65	478994	500.00	ug/L	0.00
5) pentafluorobenzene	5.030	168	610388	50.00	ug/L	0.00
52) 1,4-difluorobenzene	5.657	114	848858	50.00	ug/L	0.00
73) chlorobenzene-d5	7.817	117	819932	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	9.264	152	373683	50.00	ug/L	0.00
System Monitoring Compounds						
44) dibromofluoromethane (s)	5.024	113	261498	49.67	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	99.34%		
53) 1,2-dichloroethane-d4 (s)	5.304	65	234709	49.84	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery =	99.68%		
74) toluene-d8 (s)	6.801	98	1088777	47.07	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.14%		
98) 4-bromofluorobenzene (s)	8.565	174	311507	51.58	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	103.16%		
Target Compounds						Qvalue
2) ethanol	2.682	45	8307	96.52	ug/L	89
3) tertiary butyl alcohol	3.564	59	6699	5.63	ug/L	96
4) 1,4-dioxane	6.113	88	2572	32.01	ug/L #	56
7) dichlorodifluoromethane	1.636	85	4339	0.99	ug/L	92
8) chloromethane	1.794	50	10408	1.66	ug/L	97
9) vinyl chloride	1.891	62	7819	1.10	ug/L	78
10) 1,3-butadiene	1.934	54	6392	1.30	ug/L #	83
12) chloroethane	2.299	64	4125	1.25	ug/L	82
13) trichlorofluoromethane	2.536	101	5613	1.14	ug/L	94
14) ethyl ether	2.798	74	2248	1.05	ug/L #	64
16) freon 113	3.041	151	3335	1.09	ug/L #	76
17) 1,1-dichloroethene	3.041	96	3645	1.08	ug/L #	77
18) acetone	3.071	58	4054	4.97	ug/L #	53
21) carbon disulfide	3.248	76	11667	1.21	ug/L	95
22) methylene chloride	3.497	84	3496	1.00	ug/L	98
23) methyl acetate	3.357	74	1248	1.27	ug/L #	85
24) methyl tert butyl ether	3.728	73	12104	1.21	ug/L	96
25) trans-1,2-dichloroethene	3.747	96	4221	1.15	ug/L	80
26) hexane	3.984	56	3595	1.08	ug/L #	79
27) di-isopropyl ether	4.142	45	16265	1.13	ug/L	98
28) 2-butanone	4.586	72	3996	4.14	ug/L #	47
29) 1,1-dichloroethane	4.136	63	7278	1.04	ug/L	98
30) chloroprene	4.185	53	7119	1.23	ug/L	77
31) acrylonitrile	3.704	53	2588	0.98	ug/L #	61
32) vinyl acetate	4.118	86	1125	1.18	ug/L #	1
33) ethyl tert-butyl ether	4.452	59	12548	1.12	ug/L	92
34) ethyl acetate	4.617	45	1541	1.18	ug/L #	16
35) 2,2-dichloropropane	4.629	77	5569	1.17	ug/L	81
36) cis-1,2-dichloroethene	4.617	96	4601	1.12	ug/L #	71
37) propionitrile	4.647	54	13815	11.41	ug/L	69
38) methyl acrylate	4.659	85	1094	1.07	ug/L #	19
39) methacrylonitrile	4.775	67	3000	1.12	ug/L #	57
40) bromochloromethane	4.811	128	2033	1.06	ug/L #	77
41) tetrahydrofuran	4.829	42	3989	1.26	ug/L	77
42) chloroform	4.884	83	7401	1.00	ug/L	87
43) tert-Butyl Formate	4.902	59	3635	0.99	ug/L	88
45) 1,1,1-trichloroethane	5.036	97	6610	1.12	ug/L #	1
46) cyclohexane	5.103	84	5699	0.97	ug/L #	67
48) 1,1-dichloropropene	5.158	75	5360	1.10	ug/L	80
49) carbon tetrachloride	5.170	117	5178	1.11	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V1r91\
 Data File : 1R02819.D
 Acq On : 28 Mar 2023 11:52 pm
 Operator : Prashans
 Sample : IC0091-1
 Misc : MS67262,V1R0091,5,,,1
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 29 12:43:11 2023

Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M

Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um

QLast Update : Wed Mar 29 12:26:40 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
50) tert-amyl alcohol	5.304	73	3043	5.36	ug/L #	76
51) isopropyl acetate	5.340	87	1434	1.13	ug/L #	25
54) n-butyl alcohol	5.736	56	14508	45.95	ug/L	95
55) 2,2,4-trimethylpentane	5.414	57	13111	1.15	ug/L	81
56) benzene	5.328	78	16586m	1.02	ug/L	
57) tert-amyl methyl ether	5.414	73	11878	1.08	ug/L	89
58) heptane	5.541	57	2923	1.20	ug/L #	81
59) 1,2-dichloroethane	5.371	62	5167	0.94	ug/L	82
60) ethyl acrylate	5.894	55	9052	1.07	ug/L	98
61) trichloroethene	5.852	95	4497	1.16	ug/L	89
62) 2-chloroethyl vinyl ether	6.472	63	17439	5.32	ug/L	96
63) methyl methacrylate	6.083	100	1494	1.14	ug/L #	68
64) methylcyclohexane	6.046	83	7094	1.11	ug/L	89
65) 1,2-dichloropropane	6.064	63	5134	1.22	ug/L	97
66) dibromomethane	6.131	93	2926	1.00	ug/L	83
67) bromodichloromethane	6.271	83	5503	1.08	ug/L	91
69) epichlorohydrin	6.515	57	3816	4.36	ug/L	72
70) cis-1,3-dichloropropene	6.594	75	6374	0.99	ug/L	93
71) 4-methyl-2-pentanone	6.691	58	11579	3.71	ug/L	98
75) toluene	6.849	92	10938	1.04	ug/L #	81
76) ethyl methacrylate	7.026	69	5558	1.02	ug/L	88
77) trans-1,3-dichloropropene	7.007	75	5601	1.07	ug/L	88
78) 1,1,2-trichloroethane	7.160	83	3336	1.03	ug/L #	88
79) tetrachloroethene	7.226	164	4845	1.17	ug/L	86
80) 2-hexanone	7.287	58	13068	3.89	ug/L	92
81) 1,3-dichloropropane	7.269	76	6058	1.05	ug/L	89
82) butyl acetate	7.360	56	4367	0.98	ug/L	94
83) dibromochloromethane	7.421	129	4490	1.21	ug/L	93
84) 1,2-dibromoethane	7.506	107	4375	1.18	ug/L	91
85) n-butyl ether	7.865	57	19898	1.08	ug/L	94
86) chlorobenzene	7.835	112	11897	1.06	ug/L	96
87) 1,1,1,2-tetrachloroethane	7.883	131	3992	1.03	ug/L	95
88) ethylbenzene	7.890	91	19173	0.97	ug/L	87
89) m,p-xylene	7.969	106	15648	2.14	ug/L #	76
90) o-xylene	8.224	91	14547	0.94	ug/L	91
91) styrene	8.236	104	11326	0.86	ug/L	93
92) butyl acrylate	8.163	55	11328	1.29	ug/L	95
93) n-amyl acetate	8.297	70	3496	0.76	ug/L	86
94) isopropylbenzene	8.449	105	17048	0.97	ug/L	99
95) bromoform	8.364	173	2881	0.85	ug/L	91
96) cis-1,4-dichloro-2-butene	8.486	88	2245	0.72	ug/L	97
99) 1,1,2,2-tetrachloroethane	8.638	83	6702	1.39	ug/L	84
100) trans-1,4-dichloro-2-b...	8.650	53	1910	1.07	ug/L #	61
101) 1,2,3-trichloropropane	8.674	110	1769	1.40	ug/L #	70
102) bromobenzene	8.668	156	5686	1.47	ug/L #	60
103) n-propylbenzene	8.705	91	21105	1.20	ug/L	92
104) 2-chlorotoluene	8.772	126	4492m	1.35	ug/L	
105) 4-chlorotoluene	8.845	91	11589	0.95	ug/L	99
106) 1,3,5-trimethylbenzene	8.808	105	13768	1.12	ug/L	93
107) tert-butylbenzene	9.009	119	12641m	1.26	ug/L	
108) 1,2,4-trimethylbenzene	9.039	105	14740	1.20	ug/L	89
109) sec-butylbenzene	9.137	105	17021	1.19	ug/L	94
110) p-isopropyltoluene	9.216	119	14494	1.05	ug/L	91
111) 1,2,3-trimethylbenzene	9.283	105	14902	1.07	ug/L	95
112) 1,3-dichlorobenzene	9.216	146	8257	1.00	ug/L	94
113) 1,4-dichlorobenzene	9.277	146	8297	0.91	ug/L	83
114) 1,2-dichlorobenzene	9.489	146	8195	1.16	ug/L	85
115) benzyl chloride	9.337	91	10988	1.10	ug/L	77

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V1r91\
Data File : 1R02819.D
Acq On : 28 Mar 2023 11:52 pm
Operator : PrashanS
Sample : IC0091-1
Misc : MS67262,V1R0091,5,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 29 12:43:11 2023
Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M
Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Wed Mar 29 12:26:40 2023
Response via : Initial Calibration

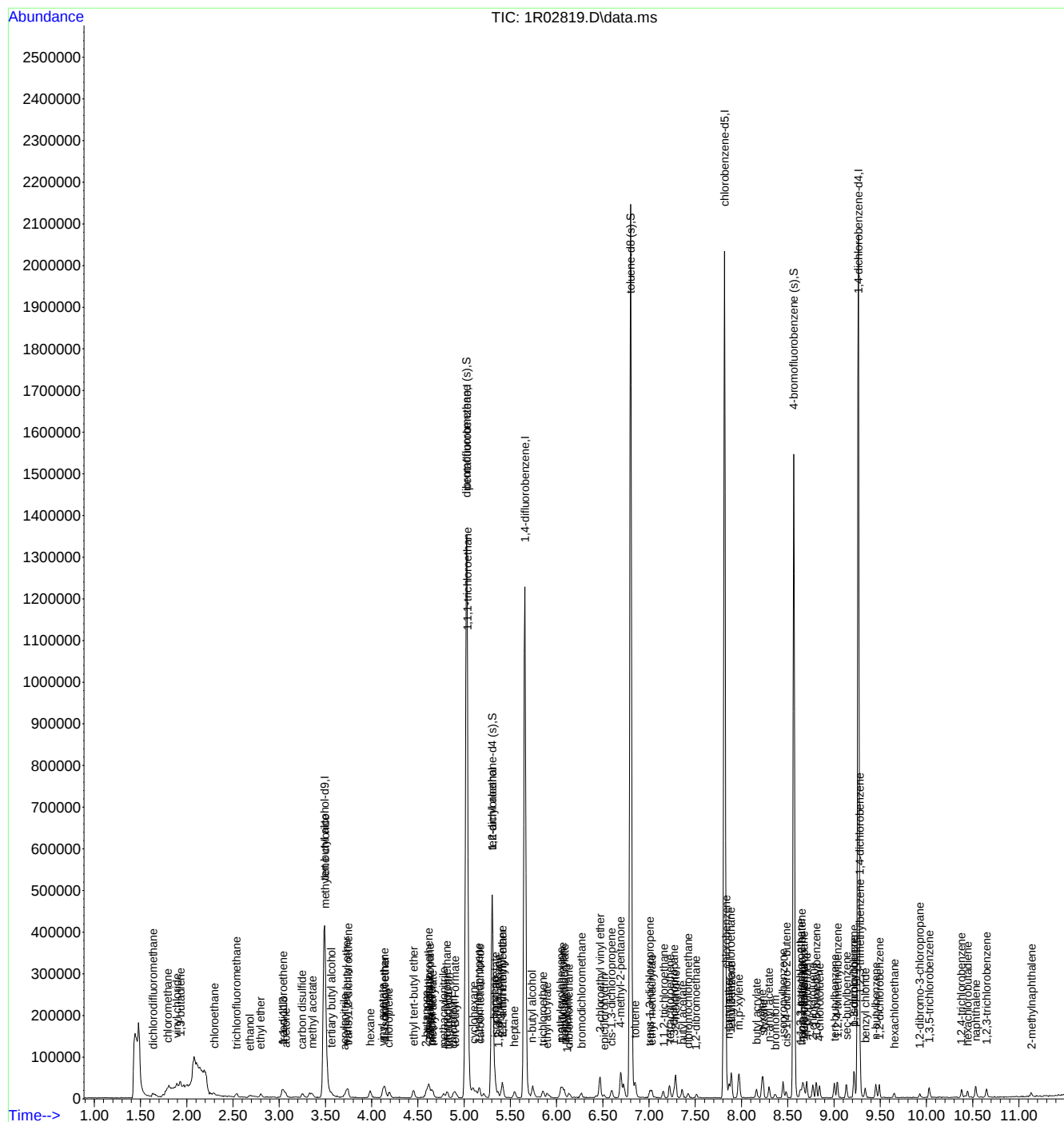
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
116) n-butylbenzene	9.453	92	6554	1.03	ug/L	82
117) hexachloroethane	9.654	201	1071	0.92	ug/L	71
118) 1,2-dibromo-3-chloropr...	9.928	157	1528	1.15	ug/L	91
119) 1,3,5-trichlorobenzene	10.031	180	5175	1.22	ug/L	96
120) 1,2,4-trichlorobenzene	10.378	180	4315	1.09	ug/L	94
121) hexachlorobutadiene	10.445	225	1747	1.41	ug/L #	55
122) naphthalene	10.536	128	15257	1.38	ug/L	96
123) 1,2,3-trichlorobenzene	10.651	180	4886	1.35	ug/L #	67
124) 2-methylnaphthalene	11.138	142	3508	0.58	ug/L #	70

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V1R91\
Data File : 1R02819.D
Acq On : 28 Mar 2023 11:52 pm
Operator : Prashans
Sample : IC0091-1
Misc : MS67262,V1R0091,5,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 29 12:43:11 2023
Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M
Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Wed Mar 29 12:26:40 2023
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: V1R91-IC0091

Method: SW846 8260D

Lab FileID: 1R02819.D

Analyst approved: 03/30/23 10:37 MoHui Huang

Injection Time: 03/28/23 23:52

Supervisor approved: 03/30/23 12:39 Kanya Veerawat

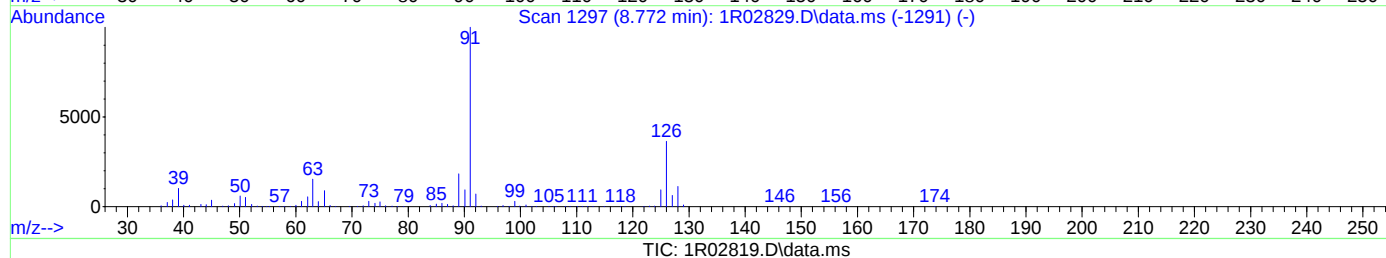
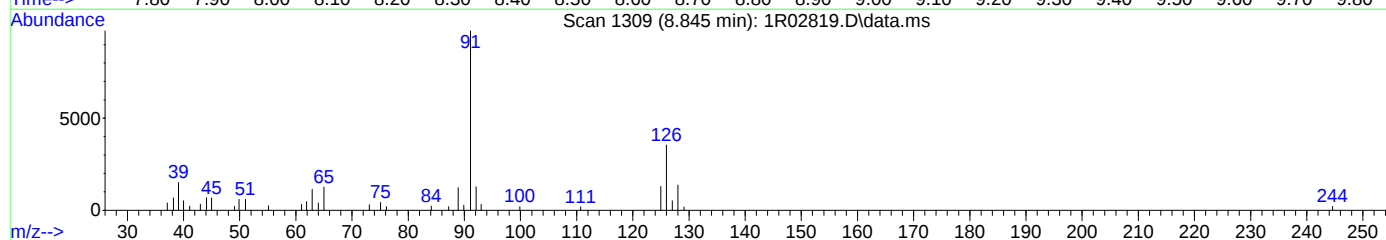
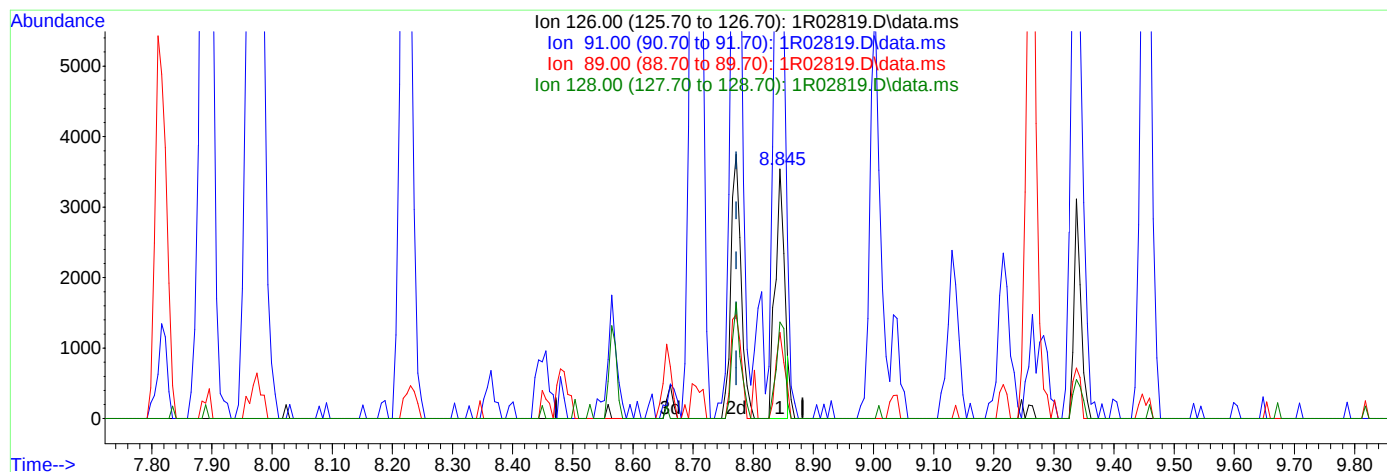
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Benzene	71-43-2		5.33	Missed peak
o-Chlorotoluene	95-49-8		8.77	Missed peak
tert-Butylbenzene	98-06-6		9.01	Missed peak

7.6.3.1
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\VR0091-raw\
 Data File : 1R02819.D
 Acq On : 28 Mar 2023 11:52 pm
 Operator : PrashanS
 Sample : IC0091-1
 Misc : MS67262,V1R0091,5,,,,,1
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 29 00:04:10 2023
 Quant Method : C:\MSDCHEM\1\METHODS\MR0091.M
 Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
 QLast Update : Wed Jan 11 14:18:02 2023
 Response via : Initial Calibration



(104) 2-chlorotoluene

8.845min (+0.073) 0.98ug/L

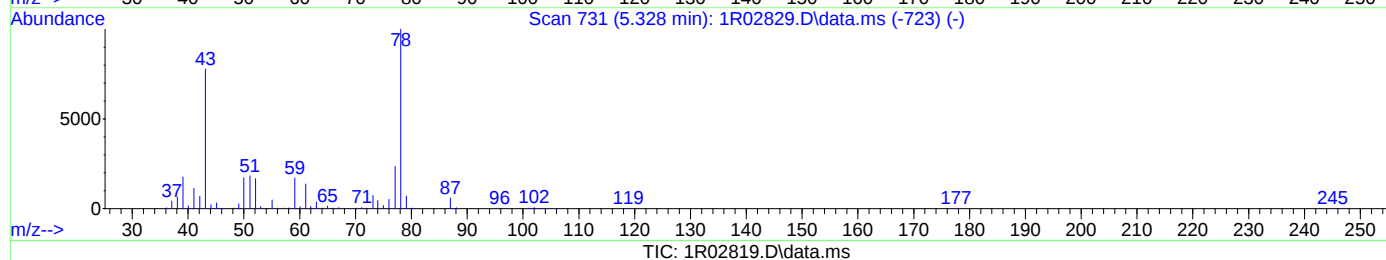
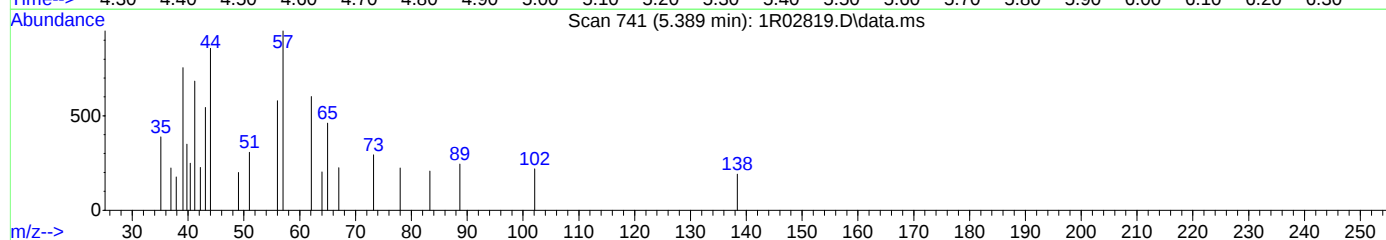
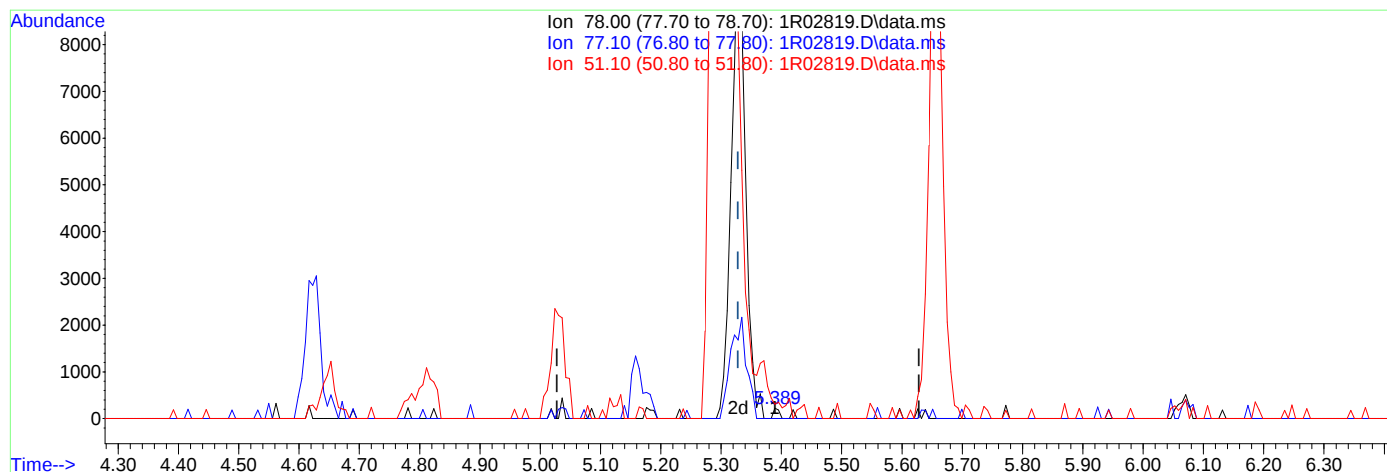
response 3770

Ion	Exp%	Act%
126.00	100	100
91.00	264.70	265.22
89.00	45.70	34.47
128.00	32.10	38.68

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\VR0091-raw\
Data File : 1R02819.D
Acq On : 28 Mar 2023 11:52 pm
Operator : PrashanS
Sample : IC0091-1
Misc : MS67262,V1R0091,5,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 29 00:04:10 2023
Quant Method : C:\MSDCHEM\1\METHODS\MR0091.M
Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Wed Jan 11 14:18:02 2023
Response via : Initial Calibration



(56) benzene

5.389min (+0.061) 0.01ug/L

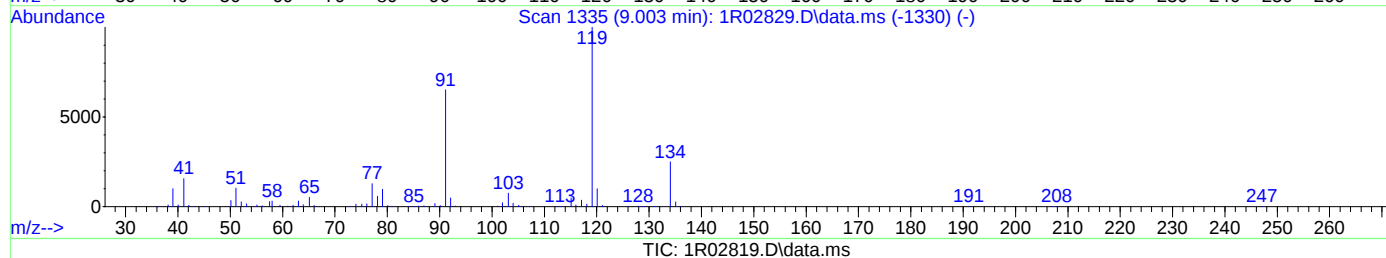
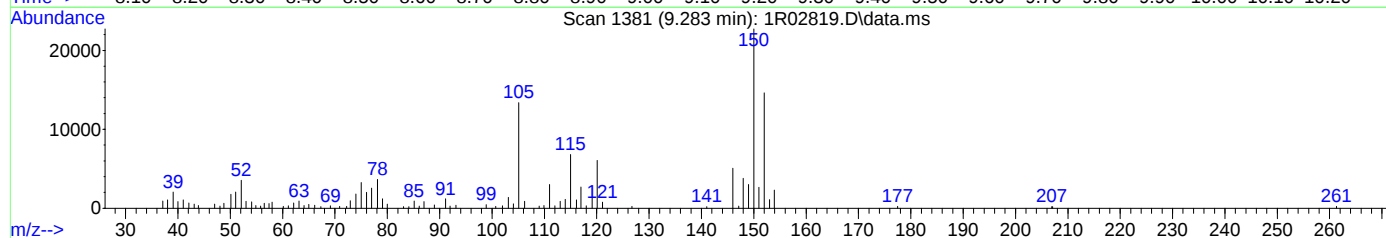
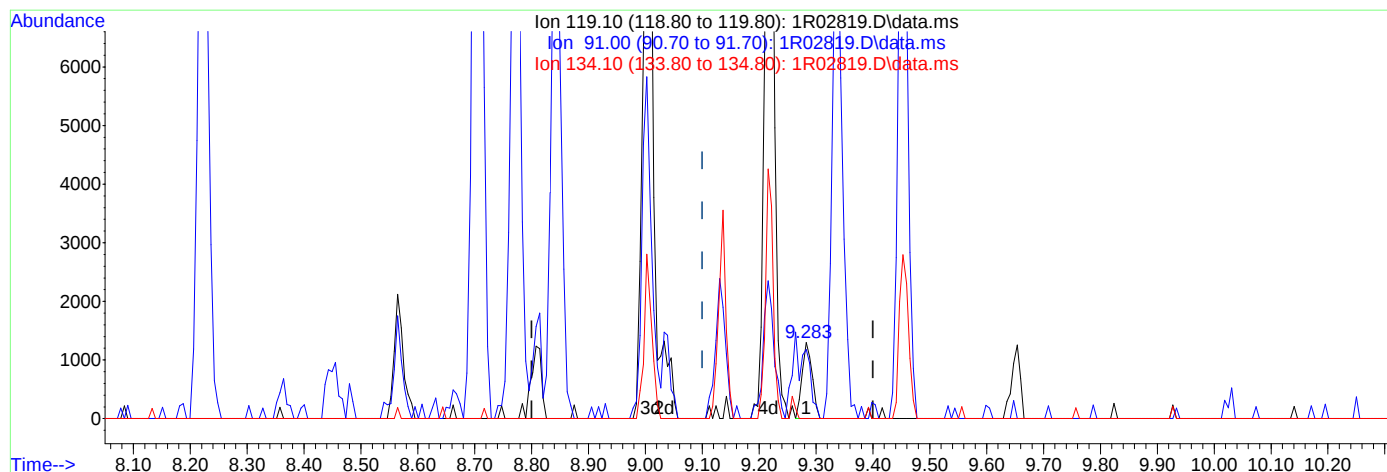
response 148

Ion	Exp%	Act%
78.00	100	100
77.10	23.30	0.00
51.10	21.00	12.95
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\VR0091-raw\
Data File : 1R02819.D
Acq On : 28 Mar 2023 11:52 pm
Operator : Prashans
Sample : IC0091-1
Misc : MS67262,V1R0091,5,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 30 10:35:59 2023
Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M
Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Thu Mar 30 09:13:25 2023
Response via : Initial Calibration



(107) tert-butylbenzene

9.283min (+0.183) 0.14ug/L

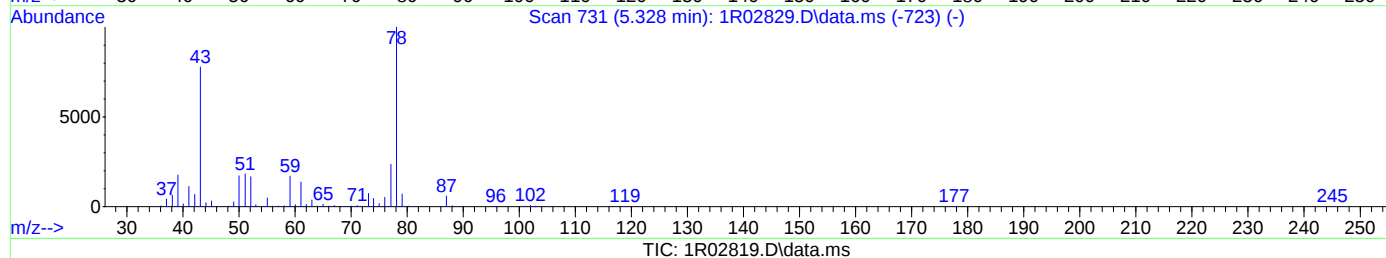
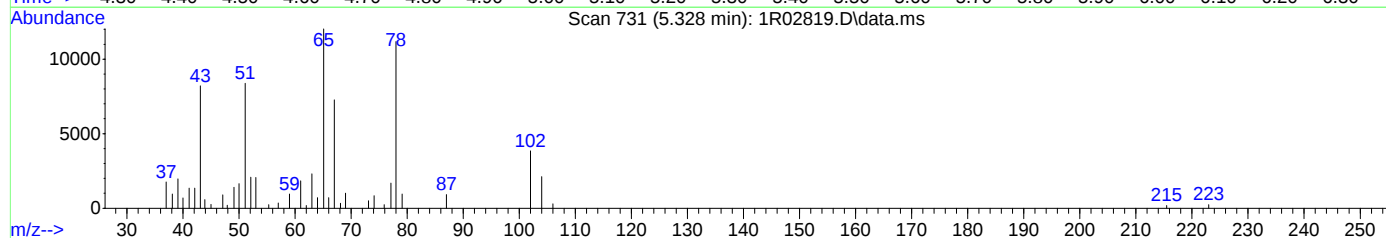
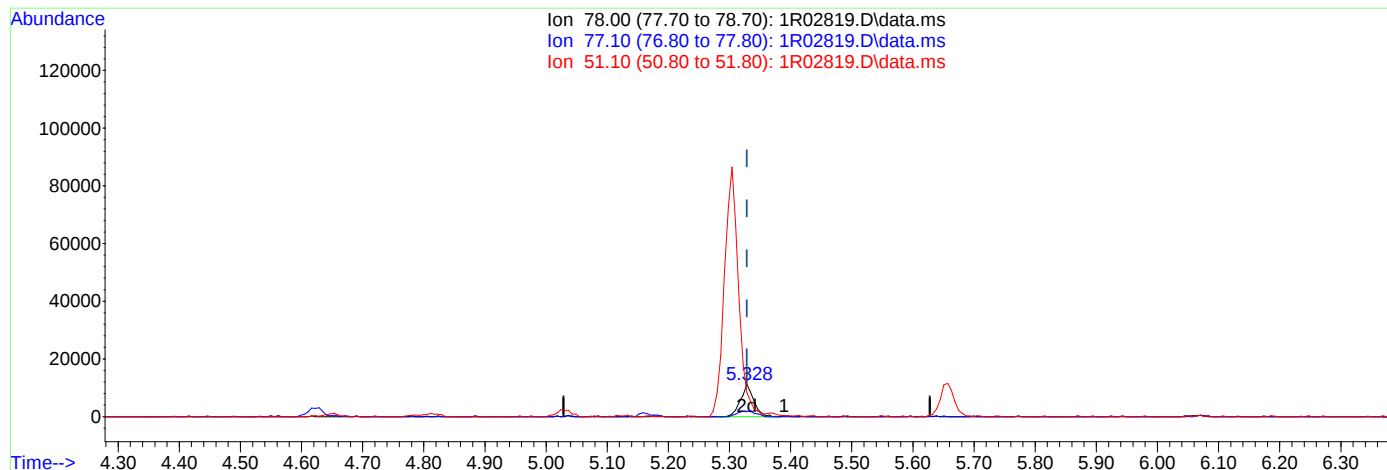
response 1601

Ion	Exp%	Act%
119.10	100	100
91.00	65.10	91.05
134.10	25.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\V1r91\
Data File : 1R02819.D
Acq On : 28 Mar 2023 11:52 pm
Operator : PrashanS
Sample : IC0091-1
Misc : MS67262,V1R0091,5,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 29 12:43:11 2023
Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M
Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Wed Mar 29 12:26:40 2023
Response via : Initial Calibration



(56) benzene

5.328min (-0.000) 1.02ug/L m

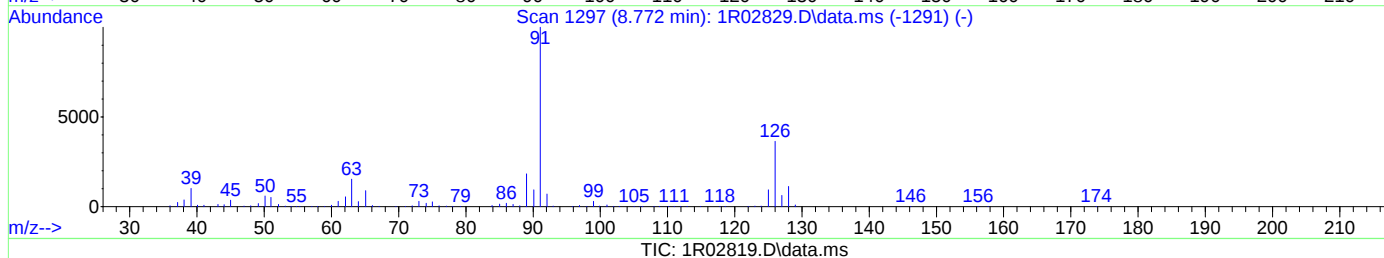
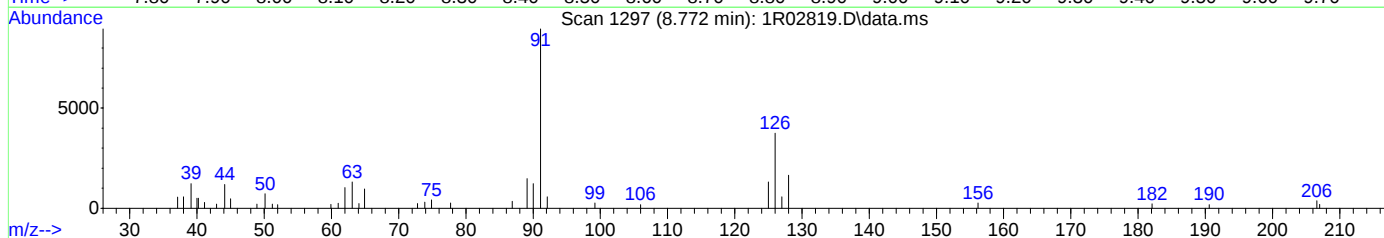
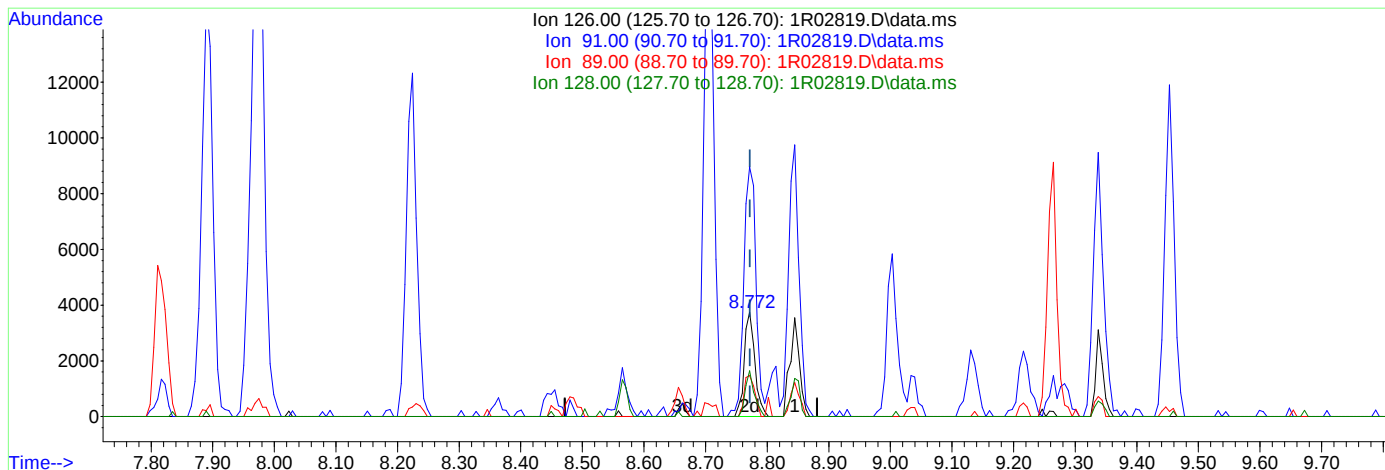
response 16586

Ion	Exp%	Act%
78.00	100	100
77.10	23.60	15.04
51.10	19.70	74.98#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\V1r91\
Data File : 1R02819.D
Acq On : 28 Mar 2023 11:52 pm
Operator : PrashanS
Sample : IC0091-1
Misc : MS67262,V1R0091,5,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 29 12:43:11 2023
Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M
Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Wed Mar 29 12:26:40 2023
Response via : Initial Calibration



(104) 2-chlorotoluene

8.772min (-0.000) 1.35ug/L m

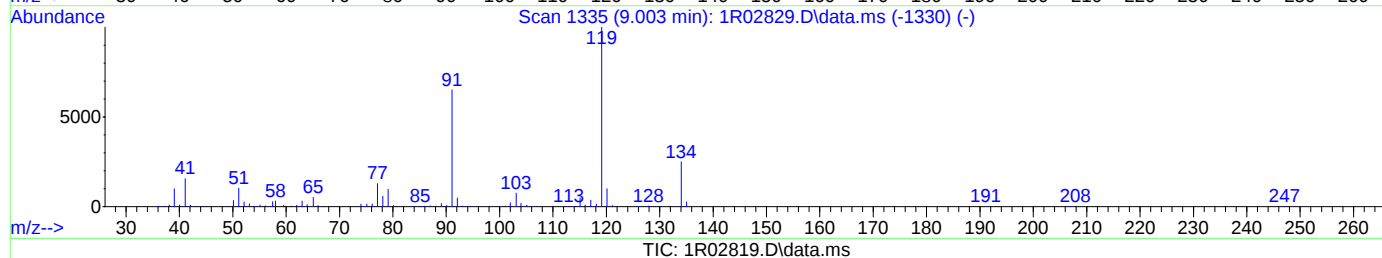
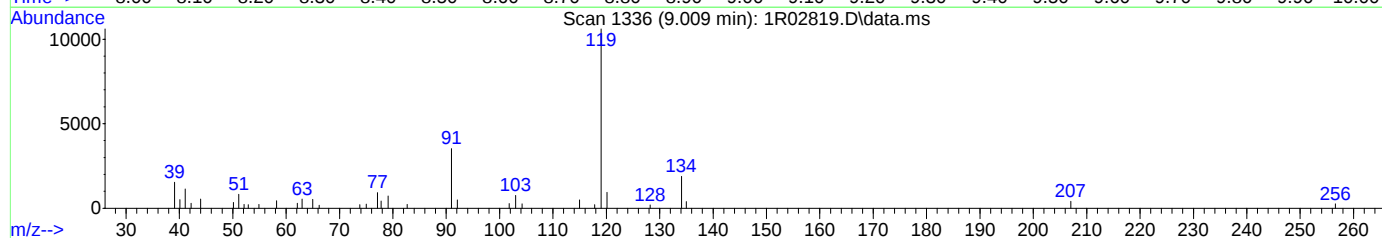
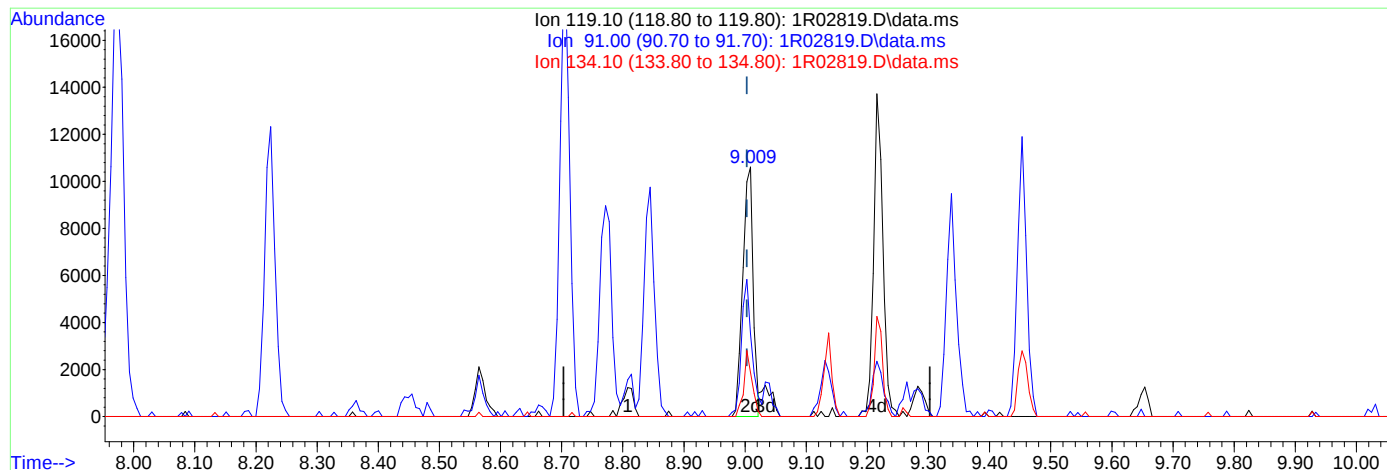
response 4492

Ion	Exp%	Act%
126.00	100	100
91.00	275.80	239.06#
89.00	50.30	39.25
128.00	31.00	43.86

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\V1r91\
Data File : 1R02819.D
Acq On : 28 Mar 2023 11:52 pm
Operator : PrashanS
Sample : IC0091-1
Misc : MS67262,V1R0091,5,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 29 12:43:11 2023
Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M
Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Wed Mar 29 12:26:40 2023
Response via : Initial Calibration



(107) tert-butylbenzene

9.009min (+0.006) 1.26ug/L m

response 12641

Ion	Exp%	Act%
119.10	100	100
91.00	65.10	33.20#
134.10	25.00	17.66
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V1r91\
 Data File : 1R02821.D
 Acq On : 29 Mar 2023 12:25 am
 Operator : Prashans
 Sample : IC0091-2
 Misc : MS67262,V1R0091,5,,,1
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 29 12:45:53 2023
 Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M
 Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
 QLast Update : Wed Mar 29 12:32:45 2023
 Response via : Initial Calibration

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

Internal Standards						
1) tert butyl alcohol-d9	3.491	65	465351	500.00	ug/L	0.00
5) pentafluorobenzene	5.030	168	591860	50.00	ug/L	0.00
52) 1,4-difluorobenzene	5.657	114	826134	50.00	ug/L	0.00
73) chlorobenzene-d5	7.816	117	787945	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	9.264	152	360724	50.00	ug/L	0.00
System Monitoring Compounds						
44) dibromofluoromethane (s)	5.018	113	255997	50.23	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	100.46%		
53) 1,2-dichloroethane-d4 (s)	5.304	65	229877	50.20	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery =	100.40%		
74) toluene-d8 (s)	6.800	98	1067225	48.72	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	97.44%		
98) 4-bromofluorobenzene (s)	8.565	174	313025	53.27	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	106.54%		
Target Compounds						
					Qvalue	
2) ethanol	2.682	45	22124	267.70	ug/L	95
3) tertiary butyl alcohol	3.564	59	13025	10.81	ug/L	96
4) 1,4-dioxane	6.113	88	5034	56.56	ug/L	84
6) chlorodifluoromethane	1.654	51	11278	2.17	ug/L	86
7) dichlorodifluoromethane	1.635	85	9782	2.31	ug/L	75
8) chloromethane	1.806	50	17520	2.17	ug/L	95
9) vinyl chloride	1.897	62	16699	2.35	ug/L	90
10) 1,3-butadiene	1.927	54	11487	2.19	ug/L	# 80
11) bromomethane	2.189	94	9718	2.22	ug/L	75
12) chloroethane	2.292	64	8496	2.36	ug/L	95
13) trichlorofluoromethane	2.542	101	11873	2.40	ug/L	89
14) ethyl ether	2.797	74	4707	2.24	ug/L	89
15) acrolein	2.943	56	3121	2.69	ug/L	87
16) freon 113	3.047	151	6377	2.08	ug/L	82
17) 1,1-dichloroethene	3.035	96	7512	2.24	ug/L	82
18) acetone	3.065	58	8183	9.58	ug/L	90
19) acetonitrile	3.333	41	27581	27.66	ug/L	95
20) iodomethane	3.181	142	2623	1.04	ug/L	91
21) carbon disulfide	3.254	76	23615	2.36	ug/L	92
22) methylene chloride	3.491	84	8822	2.60	ug/L	74
23) methyl acetate	3.357	74	2578	2.39	ug/L	# 78
24) methyl tert butyl ether	3.728	73	24539	2.41	ug/L	92
25) trans-1,2-dichloroethene	3.740	96	8585	2.29	ug/L	95
26) hexane	3.984	56	7271	2.19	ug/L	92
27) di-isopropyl ether	4.142	45	32838	2.28	ug/L	96
28) 2-butanone	4.598	72	8721	9.21	ug/L	97
29) 1,1-dichloroethane	4.136	63	15614	2.28	ug/L	95
30) chloroprene	4.191	53	13166	2.22	ug/L	87
31) acrylonitrile	3.704	53	6008	2.37	ug/L	84
32) vinyl acetate	4.124	86	2107	2.09	ug/L	# 6
33) ethyl tert-butyl ether	4.452	59	26943	2.41	ug/L	95
34) ethyl acetate	4.622	45	2373	1.72	ug/L	96
35) 2,2-dichloropropane	4.616	77	10578	2.17	ug/L	99
36) cis-1,2-dichloroethene	4.610	96	8569	2.09	ug/L	84
37) propionitrile	4.647	54	28621	23.55	ug/L	72
38) methyl acrylate	4.665	85	2013	1.96	ug/L	# 89
39) methacrylonitrile	4.775	67	5765	2.10	ug/L	# 82
40) bromochloromethane	4.817	128	4285	2.27	ug/L	79
41) tetrahydrofuran	4.817	42	7695	2.22	ug/L	85
42) chloroform	4.890	83	15200	2.11	ug/L	89

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V1r91\
 Data File : 1R02821.D
 Acq On : 29 Mar 2023 12:25 am
 Operator : Prashans
 Sample : IC0091-2
 Misc : MS67262,V1R0091,5,,,1
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 29 12:45:53 2023

Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M

Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um

QLast Update : Wed Mar 29 12:32:45 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) tert-Butyl Formate	4.908	59	8053	2.28	ug/L	91
45) 1,1,1-trichloroethane	5.036	97	13835	2.33	ug/L #	1
46) cyclohexane	5.097	84	12011	2.12	ug/L	87
47) isobutyl alcohol	5.213	43	12160	25.38	ug/L	81
48) 1,1-dichloropropene	5.164	75	10979	2.25	ug/L	93
49) carbon tetrachloride	5.164	117	10173	2.16	ug/L	86
50) tert-amyl alcohol	5.310	73	6040	10.59	ug/L #	76
51) isopropyl acetate	5.334	87	3152	2.40	ug/L #	93
54) n-butyl alcohol	5.742	56	32616	110.63	ug/L	98
55) 2,2,4-trimethylpentane	5.413	57	24900	2.16	ug/L	96
56) benzene	5.334	78	36955	2.33	ug/L	85
57) tert-amyl methyl ether	5.419	73	25076	2.29	ug/L	96
58) heptane	5.547	57	6414	2.53	ug/L #	76
59) 1,2-dichloroethane	5.365	62	11137	2.11	ug/L	97
60) ethyl acrylate	5.900	55	17914	2.13	ug/L	91
61) trichloroethene	5.851	95	8911	2.27	ug/L #	79
62) 2-chloroethyl vinyl ether	6.472	63	38247	11.80	ug/L	99
63) methyl methacrylate	6.089	100	2720	1.99	ug/L #	69
64) methylcyclohexane	6.052	83	13489	2.11	ug/L	88
65) 1,2-dichloropropane	6.064	63	9793	2.23	ug/L	94
66) dibromomethane	6.137	93	5264	1.84	ug/L	97
67) bromodichloromethane	6.265	83	10279	2.02	ug/L	94
69) epichlorohydrin	6.514	57	8433	10.58	ug/L	92
70) cis-1,3-dichloropropene	6.600	75	13278	2.13	ug/L	93
71) 4-methyl-2-pentanone	6.691	58	27474	9.21	ug/L #	84
72) isoamyl alcohol	6.721	70	10546	31.88	ug/L #	81
75) toluene	6.849	92	21986	2.15	ug/L #	82
76) ethyl methacrylate	7.032	69	12129	2.31	ug/L	92
77) trans-1,3-dichloropropene	7.007	75	12033	2.35	ug/L	95
78) 1,1,2-trichloroethane	7.153	83	8109	2.59	ug/L	91
79) tetrachloroethene	7.226	164	9430	2.27	ug/L	90
80) 2-hexanone	7.287	58	29851	9.32	ug/L	99
81) 1,3-dichloropropane	7.269	76	13502	2.40	ug/L	84
82) butyl acetate	7.360	56	9629	2.26	ug/L #	83
83) dibromochloromethane	7.421	129	9022	2.36	ug/L	94
84) 1,2-dibromoethane	7.512	107	8899	2.36	ug/L	89
85) n-butyl ether	7.865	57	40236	2.23	ug/L	95
86) chlorobenzene	7.835	112	26461	2.42	ug/L	97
87) 1,1,1,2-tetrachloroethane	7.889	131	8092	2.15	ug/L	95
88) ethylbenzene	7.889	91	38788	2.06	ug/L	90
89) m,p-xylene	7.974	106	30462	4.27	ug/L	88
90) o-xylene	8.224	91	29290	2.00	ug/L	97
91) styrene	8.236	104	24550	2.04	ug/L	89
92) butyl acrylate	8.163	55	21947	2.43	ug/L	97
93) n-amyl acetate	8.297	70	8371	2.15	ug/L	95
94) isopropylbenzene	8.449	105	33737	2.02	ug/L	97
95) bromoform	8.364	173	6160	1.96	ug/L	95
96) cis-1,4-dichloro-2-butene	8.486	88	4652	1.80	ug/L	83
99) 1,1,2,2-tetrachloroethane	8.638	83	13936	2.64	ug/L	99
100) trans-1,4-dichloro-2-b...	8.656	53	4363	2.48	ug/L	91
101) 1,2,3-trichloropropane	8.680	110	3912	2.67	ug/L	91
102) bromobenzene	8.662	156	9897	2.37	ug/L	90
103) n-propylbenzene	8.705	91	42752	2.36	ug/L	92
104) 2-chlorotoluene	8.771	126	9869	2.83	ug/L #	80
105) 4-chlorotoluene	8.844	91	25284	2.18	ug/L	96
106) 1,3,5-trimethylbenzene	8.808	105	28568	2.34	ug/L	94
107) tert-butylbenzene	9.003	119	26131	2.48	ug/L	95
108) 1,2,4-trimethylbenzene	9.039	105	27803	2.23	ug/L	94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V1r91\
 Data File : 1R02821.D
 Acq On : 29 Mar 2023 12:25 am
 Operator : PrashanS
 Sample : IC0091-2
 Misc : MS67262,V1R0091,5,,,,,1
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 29 12:45:53 2023
 Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M
 Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
 QLast Update : Wed Mar 29 12:32:45 2023
 Response via : Initial Calibration

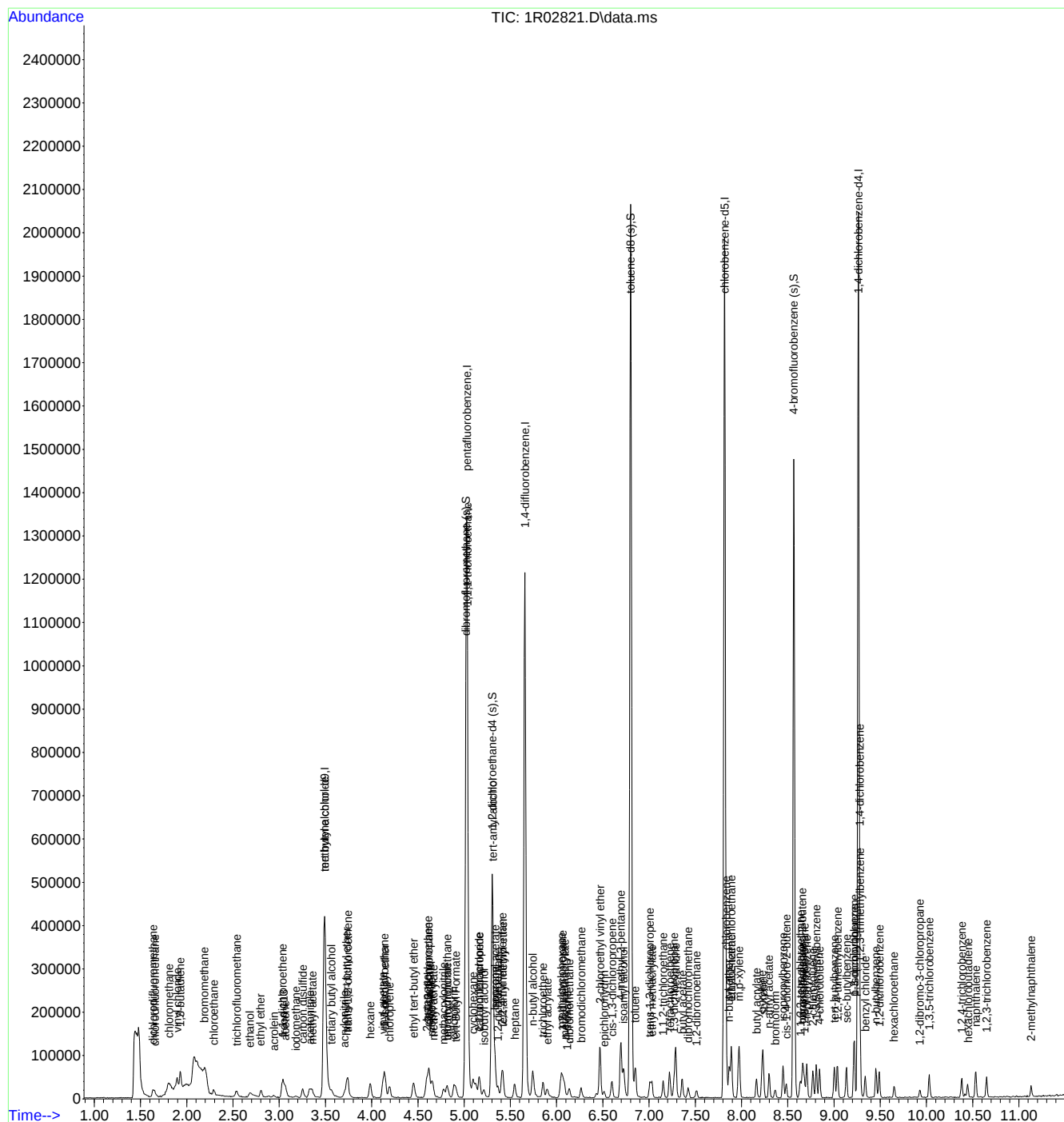
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
109)	sec-butylbenzene	9.136	105	34583	2.39	ug/L	97
110)	p-isopropyltoluene	9.222	119	30420	2.26	ug/L	93
111)	1,2,3-trimethylbenzene	9.282	105	31402	2.28	ug/L	98
112)	1,3-dichlorobenzene	9.222	146	18778	2.35	ug/L	93
113)	1,4-dichlorobenzene	9.276	146	17212	2.00	ug/L	88
114)	1,2-dichlorobenzene	9.489	146	17149	2.41	ug/L	95
115)	benzyl chloride	9.337	91	23787	2.39	ug/L	93
116)	n-butylbenzene	9.453	92	14153	2.29	ug/L	90
117)	hexachloroethane	9.647	201	2401	2.19	ug/L #	82
118)	1,2-dibromo-3-chloropr...	9.927	157	3450	2.57	ug/L	79
119)	1,3,5-trichlorobenzene	10.031	180	11241	2.56	ug/L	97
120)	1,2,4-trichlorobenzene	10.384	180	9990	2.56	ug/L	94
121)	hexachlorobutadiene	10.451	225	3490	2.57	ug/L	89
122)	naphthalene	10.536	128	35435	2.79	ug/L	94
123)	1,2,3-trichlorobenzene	10.651	180	9178	2.35	ug/L	95
124)	2-methylnaphthalene	11.132	142	7398	1.21	ug/L	89

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V1R91\
Data File : 1R02821.D
Acq On : 29 Mar 2023 12:25 am
Operator : Prashans
Sample : IC0091-2
Misc : MS67262,V1R0091,5,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 29 12:45:53 2023
Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M
Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Wed Mar 29 12:32:45 2023
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V1r91\
 Data File : 1R02823.D
 Acq On : 29 Mar 2023 12:58 am
 Operator : Prashans
 Sample : IC0091-4
 Misc : MS67262,V1R0091,5,,,,,1
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 29 12:34:27 2023
 Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M
 Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
 QLast Update : Wed Mar 29 12:34:20 2023
 Response via : Initial Calibration

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

Internal Standards						
1) tert butyl alcohol-d9	3.491	65	458621	500.00	ug/L	0.00
5) pentafluorobenzene	5.036	168	590305	50.00	ug/L	0.00
52) 1,4-difluorobenzene	5.657	114	812769	50.00	ug/L	0.00
73) chlorobenzene-d5	7.816	117	794623	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	9.264	152	375187	50.00	ug/L	0.00
System Monitoring Compounds						
44) dibromofluoromethane (s)	5.024	113	260799	51.26	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	102.52%		
53) 1,2-dichloroethane-d4 (s)	5.304	65	228555	50.69	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery =	101.38%		
74) toluene-d8 (s)	6.800	98	1063624	48.40	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	96.80%		
98) 4-bromofluorobenzene (s)	8.571	174	320601	51.78	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	103.56%		
Target Compounds						
						Qvalue
2) ethanol	2.682	45	35894	406.30	ug/L	91
3) tertiary butyl alcohol	3.570	59	23684	19.55	ug/L	95
4) 1,4-dioxane	6.113	88	7948	86.81	ug/L	96
6) chlorodifluoromethane	1.660	51	20659	3.88	ug/L	92
7) dichlorodifluoromethane	1.642	85	17929	4.12	ug/L	98
8) chloromethane	1.806	50	30641	3.70	ug/L	92
9) vinyl chloride	1.897	62	31070	4.20	ug/L	89
10) 1,3-butadiene	1.934	54	23218	4.33	ug/L	86
11) bromomethane	2.195	94	13924	3.08	ug/L	88
12) chloroethane	2.299	64	13258	3.48	ug/L	95
13) trichlorofluoromethane	2.548	101	21416	4.17	ug/L	96
14) ethyl ether	2.803	74	9068	4.19	ug/L #	69
15) acrolein	2.943	56	4687	3.45	ug/L	90
16) freon 113	3.047	151	11367	3.69	ug/L	93
17) 1,1-dichloroethene	3.047	96	13305	3.89	ug/L	92
18) acetone	3.077	58	10849	12.13	ug/L	98
19) acetonitrile	3.333	41	47394	40.00	ug/L	99
20) iodomethane	3.187	142	4404	2.31	ug/L	85
21) carbon disulfide	3.260	76	38796	3.72	ug/L	97
22) methylene chloride	3.503	84	15733	4.32	ug/L	97
23) methyl acetate	3.369	74	4375	3.82	ug/L #	49
24) methyl tert butyl ether	3.734	73	40683	3.84	ug/L	97
25) trans-1,2-dichloroethene	3.753	96	13803	3.57	ug/L	94
26) hexane	3.990	56	13014	3.84	ug/L	87
27) di-isopropyl ether	4.148	45	60783	4.12	ug/L	94
28) 2-butanone	4.598	72	13326	13.60	ug/L #	76
29) 1,1-dichloroethane	4.136	63	27232	3.88	ug/L	91
30) chloroprene	4.197	53	22227	3.67	ug/L	94
31) acrylonitrile	3.704	53	11309	4.27	ug/L	85
32) vinyl acetate	4.118	86	3484	3.42	ug/L #	72
33) ethyl tert-butyl ether	4.458	59	45569	3.93	ug/L	92
34) ethyl acetate	4.622	45	5705	4.35	ug/L #	85
35) 2,2-dichloropropane	4.629	77	20128	4.06	ug/L	97
36) cis-1,2-dichloroethene	4.616	96	16316	3.96	ug/L #	83
37) propionitrile	4.653	54	46749	37.25	ug/L	90
38) methyl acrylate	4.677	85	3454	3.40	ug/L #	40
39) methacrylonitrile	4.775	67	10179	3.65	ug/L	94
40) bromochloromethane	4.811	128	7969	4.12	ug/L	85
41) tetrahydrofuran	4.823	42	13617	3.79	ug/L	96
42) chloroform	4.890	83	24699	3.40	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V1r91\
 Data File : 1R02823.D
 Acq On : 29 Mar 2023 12:58 am
 Operator : Prashans
 Sample : IC0091-4
 Misc : MS67262,V1R0091,5,,,,,1
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 29 12:34:27 2023
 Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M
 Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
 QLast Update : Wed Mar 29 12:34:20 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) tert-Butyl Formate	4.914	59	14751	4.04	ug/L	96
45) 1,1,1-trichloroethane	5.036	97	22024	3.57	ug/L #	1
46) cyclohexane	5.103	84	20501	3.58	ug/L	93
47) isobutyl alcohol	5.213	43	20639	38.07	ug/L	87
48) 1,1-dichloropropene	5.164	75	19254	3.84	ug/L	91
49) carbon tetrachloride	5.170	117	18733	3.92	ug/L	84
50) tert-amyl alcohol	5.316	73	12355	21.30	ug/L #	83
51) isopropyl acetate	5.340	87	4664	3.34	ug/L #	82
54) n-butyl alcohol	5.742	56	55934	186.24	ug/L	94
55) 2,2,4-trimethylpentane	5.413	57	43093	3.74	ug/L	94
56) benzene	5.334	78	63164	3.92	ug/L	89
57) tert-amyl methyl ether	5.419	73	45727	4.13	ug/L	96
58) heptane	5.541	57	10616	3.99	ug/L #	63
59) 1,2-dichloroethane	5.371	62	19030	3.63	ug/L	86
60) ethyl acrylate	5.900	55	31543	3.74	ug/L	93
61) trichloroethene	5.857	95	14793	3.73	ug/L	94
62) 2-chloroethyl vinyl ether	6.472	63	68716	20.80	ug/L	99
63) methyl methacrylate	6.089	100	4968	3.70	ug/L #	86
64) methylcyclohexane	6.046	83	26700	4.19	ug/L	88
65) 1,2-dichloropropane	6.064	63	17535	3.94	ug/L	99
66) dibromomethane	6.131	93	10892	3.96	ug/L	84
67) bromodichloromethane	6.265	83	18263	3.64	ug/L	98
68) 2-nitropropane	6.429	41	9947	3.30	ug/L	83
69) epichlorohydrin	6.508	57	16637	20.81	ug/L	91
70) cis-1,3-dichloropropene	6.600	75	23139	3.72	ug/L	93
71) 4-methyl-2-pentanone	6.697	58	45351	15.00	ug/L	97
72) isoamyl alcohol	6.721	70	19635	67.15	ug/L	86
75) toluene	6.855	92	39392	3.76	ug/L	96
76) ethyl methacrylate	7.032	69	22242	4.04	ug/L	97
77) trans-1,3-dichloropropene	7.013	75	21594	4.04	ug/L	92
78) 1,1,2-trichloroethane	7.153	83	12841	3.84	ug/L	96
79) tetrachloroethene	7.226	164	15793	3.67	ug/L	93
80) 2-hexanone	7.287	58	51668	15.48	ug/L	94
81) 1,3-dichloropropane	7.275	76	22353	3.79	ug/L	86
82) butyl acetate	7.354	56	17291	3.90	ug/L	91
83) dibromochloromethane	7.427	129	15061	3.74	ug/L	93
84) 1,2-dibromoethane	7.512	107	15052	3.78	ug/L	97
85) n-butyl ether	7.865	57	72101	3.87	ug/L	96
86) chlorobenzene	7.835	112	42787	3.72	ug/L	96
87) 1,1,1,2-tetrachloroethane	7.889	131	14648	3.79	ug/L	97
88) ethylbenzene	7.889	91	71429	3.73	ug/L	96
89) m,p-xylene	7.974	106	54076	7.41	ug/L	87
90) o-xylene	8.224	91	51731	3.51	ug/L	96
91) styrene	8.236	104	43786	3.59	ug/L	98
92) butyl acrylate	8.163	55	38213	4.02	ug/L	95
93) n-amyl acetate	8.297	70	12985	3.23	ug/L	94
94) isopropylbenzene	8.449	105	62417	3.69	ug/L	96
95) bromoform	8.364	173	10428	3.30	ug/L	92
96) cis-1,4-dichloro-2-butene	8.486	88	7522	2.99	ug/L #	77
99) 1,1,2,2-tetrachloroethane	8.638	83	21607	3.65	ug/L	89
100) trans-1,4-dichloro-2-b...	8.656	53	7749	3.99	ug/L	89
101) 1,2,3-trichloropropane	8.680	110	7324	4.32	ug/L #	75
102) bromobenzene	8.662	156	17218	3.82	ug/L	94
103) n-propylbenzene	8.705	91	78314	3.98	ug/L	97
104) 2-chlorotoluene	8.771	126	16561	4.22	ug/L	88
105) 4-chlorotoluene	8.844	91	45770	3.73	ug/L	93
106) 1,3,5-trimethylbenzene	8.808	105	52960	4.03	ug/L	97
107) tert-butylbenzene	9.003	119	45763	3.94	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V1r91\
 Data File : 1R02823.D
 Acq On : 29 Mar 2023 12:58 am
 Operator : Prashans
 Sample : IC0091-4
 Misc : MS67262,V1R0091,5,,,,,1
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 29 12:34:27 2023
 Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M
 Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
 QLast Update : Wed Mar 29 12:34:20 2023
 Response via : Initial Calibration

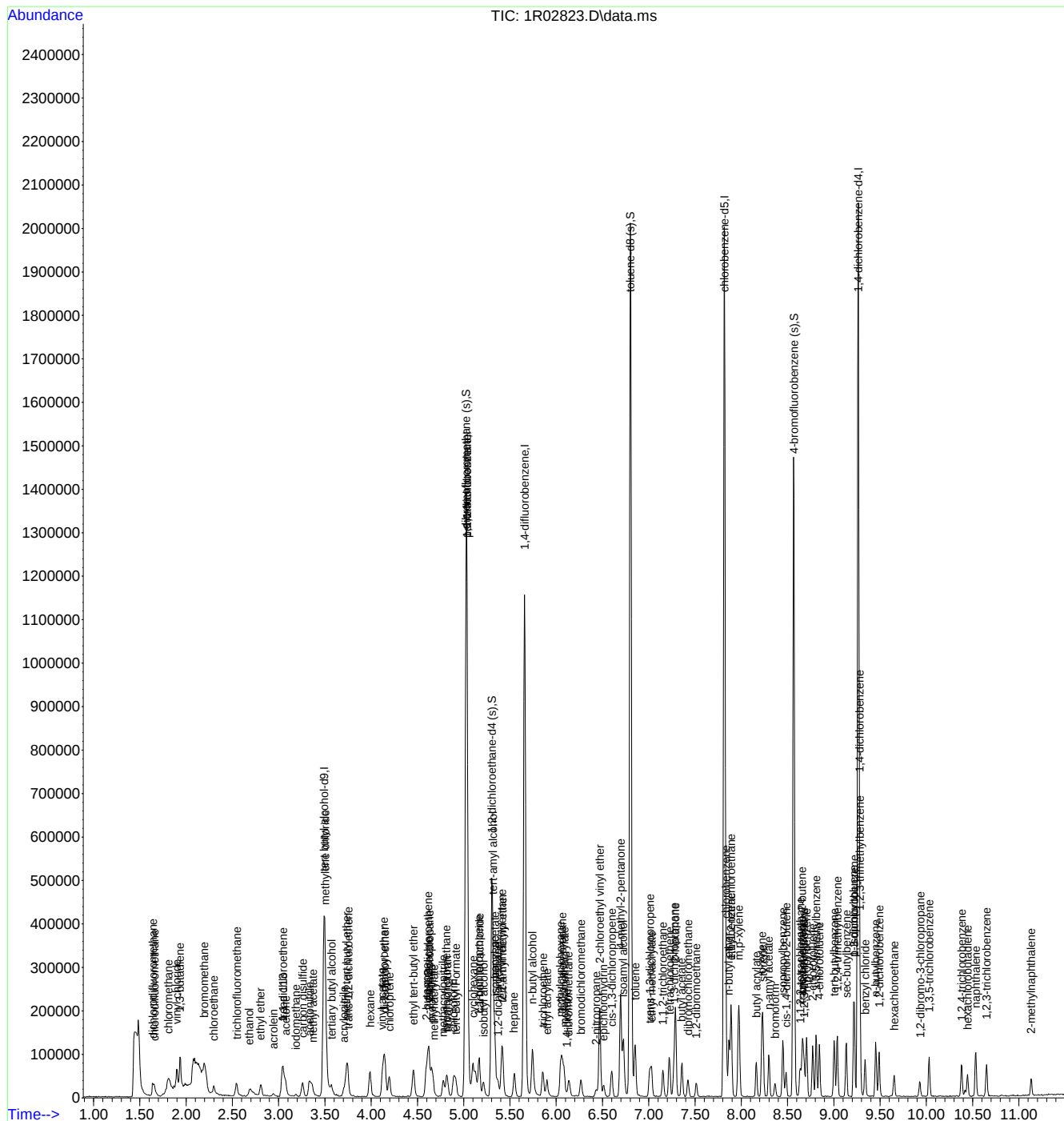
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108)	1,2,4-trimethylbenzene	9.039	105	52099	3.93	ug/L	92
109)	sec-butylbenzene	9.136	105	62018	3.97	ug/L	100
110)	p-isopropyltoluene	9.216	119	54675	3.80	ug/L	95
111)	1,2,3-trimethylbenzene	9.282	105	52885	3.57	ug/L	96
112)	1,3-dichlorobenzene	9.222	146	31654	3.68	ug/L	91
113)	1,4-dichlorobenzene	9.276	146	33742	3.77	ug/L	99
114)	1,2-dichlorobenzene	9.489	146	30151	3.92	ug/L	95
115)	benzyl chloride	9.337	91	40626	3.75	ug/L	96
116)	n-butylbenzene	9.453	92	26042	3.93	ug/L	94
117)	hexachloroethane	9.654	201	5038	4.32	ug/L	90
118)	1,2-dibromo-3-chloropr...	9.933	157	5961	3.98	ug/L	87
119)	1,3,5-trichlorobenzene	10.031	180	20522	4.20	ug/L	97
120)	1,2,4-trichlorobenzene	10.384	180	16731	3.90	ug/L	94
121)	hexachlorobutadiene	10.444	225	6072	4.01	ug/L	95
122)	naphthalene	10.536	128	60621	4.06	ug/L	99
123)	1,2,3-trichlorobenzene	10.651	180	16489	3.89	ug/L	94
124)	2-methylnaphthalene	11.132	142	13544	2.02	ug/L #	79

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V1r91\
Data File : 1R02823.D
Acq On : 29 Mar 2023 12:58 am
Operator : Prashans
Sample : IC0091-4
Misc : MS67262,V1R0091,5,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 29 12:34:27 2023
Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M
Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Wed Mar 29 12:34:20 2023
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V1r91\
 Data File : 1R02825.D
 Acq On : 29 Mar 2023 1:31 am
 Operator : Prashans
 Sample : IC0091-8
 Misc : MS67262,V1R0091,5,,,1
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 29 12:35:33 2023
 Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M
 Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
 QLast Update : Wed Mar 29 12:35:26 2023
 Response via : Initial Calibration

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

Internal Standards						
1) tert butyl alcohol-d9	3.485	65	439062	500.00	ug/L	0.00
5) pentafluorobenzene	5.030	168	587607	50.00	ug/L	0.00
52) 1,4-difluorobenzene	5.657	114	819707	50.00	ug/L	0.00
73) chlorobenzene-d5	7.816	117	801975	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	9.264	152	367914	50.00	ug/L	0.00
System Monitoring Compounds						
44) dibromofluoromethane (s)	5.018	113	253711	49.88	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	99.76%		
53) 1,2-dichloroethane-d4 (s)	5.304	65	227226	49.85	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery =	99.70%		
74) toluene-d8 (s)	6.801	98	1065702	48.31	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	96.62%		
98) 4-bromofluorobenzene (s)	8.565	174	313910	51.40	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	102.80%		
Target Compounds						
						Qvalue
2) ethanol	2.682	45	70404	829.82	ug/L	94
3) tertiary butyl alcohol	3.564	59	43680	37.84	ug/L	94
4) 1,4-dioxane	6.113	88	15620	184.29	ug/L	87
6) chlorodifluoromethane	1.648	51	38281	7.28	ug/L	95
7) dichlorodifluoromethane	1.629	85	35574	8.16	ug/L	99
8) chloromethane	1.800	50	58992	7.29	ug/L	99
9) vinyl chloride	1.891	62	58604	7.88	ug/L	98
10) 1,3-butadiene	1.928	54	44288	8.17	ug/L	97
11) bromomethane	2.189	94	26311	6.20	ug/L	96
12) chloroethane	2.293	64	25092	6.84	ug/L	94
13) trichlorofluoromethane	2.542	101	41476	8.06	ug/L	92
14) ethyl ether	2.798	74	17352	7.99	ug/L	95
15) acrolein	2.944	56	9579	7.43	ug/L	86
16) freon 113	3.035	151	22783	7.54	ug/L	89
17) 1,1-dichloroethene	3.035	96	27830	8.21	ug/L	95
18) acetone	3.065	58	24843	29.32	ug/L	87
19) acetonitrile	3.327	41	87044	73.80	ug/L	96
20) iodomethane	3.181	142	13702	8.40	ug/L	95
21) carbon disulfide	3.254	76	78247	7.64	ug/L	99
22) methylene chloride	3.497	84	31102	8.45	ug/L	94
23) methyl acetate	3.357	74	8425	7.47	ug/L	94
24) methyl tert butyl ether	3.728	73	78098	7.46	ug/L	97
25) trans-1,2-dichloroethene	3.740	96	28595	7.59	ug/L	95
26) hexane	3.978	56	25003	7.48	ug/L	94
27) di-isopropyl ether	4.142	45	116235	7.88	ug/L	96
28) 2-butanone	4.592	72	30144	31.85	ug/L	94
29) 1,1-dichloroethane	4.130	63	54473	7.83	ug/L	95
30) chloroprene	4.197	53	44728	7.53	ug/L	92
31) acrylonitrile	3.704	53	22719	8.51	ug/L	90
32) vinyl acetate	4.124	86	7386	7.55	ug/L #	60
33) ethyl tert-butyl ether	4.452	59	91492	7.95	ug/L	94
34) ethyl acetate	4.617	45	10920	8.18	ug/L #	81
35) 2,2-dichloropropane	4.617	77	37059	7.48	ug/L	96
36) cis-1,2-dichloroethene	4.617	96	30741	7.51	ug/L	94
37) propionitrile	4.653	54	92561	74.94	ug/L	97
38) methyl acrylate	4.665	85	7871	8.09	ug/L #	75
39) methacrylonitrile	4.781	67	19614	7.23	ug/L	92
40) bromochloromethane	4.817	128	14052	7.26	ug/L	88
41) tetrahydrofuran	4.823	42	26099	7.40	ug/L	92
42) chloroform	4.890	83	49440	7.04	ug/L	93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V1r91\
 Data File : 1R02825.D
 Acq On : 29 Mar 2023 1:31 am
 Operator : Prashans
 Sample : IC0091-8
 Misc : MS67262,V1R0091,5,,,1
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 29 12:35:33 2023

Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M

Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um

QLast Update : Wed Mar 29 12:35:26 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) tert-Butyl Formate	4.915	59	28314	7.78	ug/L	95
45) 1,1,1-trichloroethane	5.036	97	43655	7.27	ug/L #	1
46) cyclohexane	5.097	84	40112	7.19	ug/L	95
47) isobutyl alcohol	5.207	43	40068	75.46	ug/L	98
48) 1,1-dichloropropene	5.164	75	39731	8.03	ug/L	99
49) carbon tetrachloride	5.164	117	37420	7.89	ug/L	96
50) tert-amyl alcohol	5.310	73	23729	40.44	ug/L	94
51) isopropyl acetate	5.334	87	10134	7.61	ug/L	95
54) n-butyl alcohol	5.742	56	118314	397.44	ug/L	97
55) 2,2,4-trimethylpentane	5.413	57	88457	7.69	ug/L	96
56) benzene	5.328	78	117813	7.27	ug/L	93
57) tert-amyl methyl ether	5.420	73	88046	7.84	ug/L	95
58) heptane	5.547	57	20241	7.55	ug/L	97
59) 1,2-dichloroethane	5.365	62	37740	7.24	ug/L	97
60) ethyl acrylate	5.894	55	63303	7.55	ug/L	98
61) trichloroethene	5.851	95	30794	7.78	ug/L	95
62) 2-chloroethyl vinyl ether	6.466	63	133066	39.68	ug/L	96
63) methyl methacrylate	6.089	100	10042	7.56	ug/L #	73
64) methylcyclohexane	6.052	83	49131	7.59	ug/L	95
65) 1,2-dichloropropane	6.064	63	33526	7.49	ug/L	96
66) dibromomethane	6.137	93	19463	7.02	ug/L	85
67) bromodichloromethane	6.265	83	35506	7.15	ug/L	99
68) 2-nitropropane	6.429	41	18333	6.41	ug/L	96
69) epichlorohydrin	6.509	57	32912	40.41	ug/L	95
70) cis-1,3-dichloropropene	6.600	75	47566	7.68	ug/L	97
71) 4-methyl-2-pentanone	6.697	58	92596	30.69	ug/L	97
72) isoamyl alcohol	6.721	70	41048	147.07	ug/L	93
75) toluene	6.849	92	77915	7.45	ug/L	92
76) ethyl methacrylate	7.032	69	43912	7.88	ug/L	97
77) trans-1,3-dichloropropene	7.007	75	43284	8.00	ug/L	99
78) 1,1,2-trichloroethane	7.153	83	26329	7.86	ug/L	94
79) tetrachloroethene	7.220	164	32150	7.51	ug/L	94
80) 2-hexanone	7.287	58	102741	30.67	ug/L	98
81) 1,3-dichloropropane	7.269	76	47376	8.03	ug/L	96
82) butyl acetate	7.360	56	33482	7.52	ug/L	91
83) dibromochloromethane	7.427	129	29651	7.40	ug/L	96
84) 1,2-dibromoethane	7.512	107	29349	7.39	ug/L	98
85) n-butyl ether	7.865	57	143165	7.65	ug/L	99
86) chlorobenzene	7.835	112	85599	7.46	ug/L	96
87) 1,1,1,2-tetrachloroethane	7.889	131	29324	7.59	ug/L	96
88) ethylbenzene	7.889	91	142287	7.45	ug/L	98
89) m,p-xylene	7.975	106	111044	15.27	ug/L	93
90) o-xylene	8.224	91	104788	7.18	ug/L	96
91) styrene	8.236	104	86090	7.14	ug/L	93
92) butyl acrylate	8.163	55	77569	8.08	ug/L	99
93) n-amyl acetate	8.297	70	26842	6.95	ug/L #	79
94) isopropylbenzene	8.449	105	126746	7.55	ug/L	96
95) bromoform	8.364	173	23747	7.67	ug/L	94
96) cis-1,4-dichloro-2-butene	8.486	88	16471	6.92	ug/L #	84
99) 1,1,2,2-tetrachloroethane	8.638	83	50824	8.91	ug/L	97
100) trans-1,4-dichloro-2-b...	8.656	53	15739	8.27	ug/L	97
101) 1,2,3-trichloropropane	8.680	110	13325	7.86	ug/L	97
102) bromobenzene	8.662	156	35952	8.20	ug/L	90
103) n-propylbenzene	8.705	91	155426	8.07	ug/L	98
104) 2-chlorotoluene	8.772	126	32227	8.30	ug/L	98
105) 4-chlorotoluene	8.845	91	88833	7.46	ug/L	97
106) 1,3,5-trimethylbenzene	8.808	105	107954	8.37	ug/L	99
107) tert-butylbenzene	9.003	119	91177	8.03	ug/L	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V1r91\
 Data File : 1R02825.D
 Acq On : 29 Mar 2023 1:31 am
 Operator : Prashans
 Sample : IC0091-8
 Misc : MS67262,V1R0091,5,,,,,1
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 29 12:35:33 2023
 Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M
 Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
 QLast Update : Wed Mar 29 12:35:26 2023
 Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108)	1,2,4-trimethylbenzene	9.039	105	108936	8.41	ug/L	98
109)	sec-butylbenzene	9.137	105	127218	8.31	ug/L	95
110)	p-isopropyltoluene	9.216	119	109816	7.85	ug/L	96
111)	1,2,3-trimethylbenzene	9.283	105	108681	7.65	ug/L	98
112)	1,3-dichlorobenzene	9.222	146	63177	7.60	ug/L	94
113)	1,4-dichlorobenzene	9.277	146	61804	7.11	ug/L	87
114)	1,2-dichlorobenzene	9.489	146	63434	8.43	ug/L	99
115)	benzyl chloride	9.337	91	79081	7.53	ug/L	93
116)	n-butylbenzene	9.453	92	50011	7.72	ug/L	99
117)	hexachloroethane	9.648	201	12028	10.35	ug/L	82
118)	1,2-dibromo-3-chloropr...	9.927	157	13361	9.11	ug/L	93
119)	1,3,5-trichlorobenzene	10.031	180	40488	8.37	ug/L	97
120)	1,2,4-trichlorobenzene	10.378	180	32689	7.80	ug/L	86
121)	hexachlorobutadiene	10.445	225	12653	8.52	ug/L	94
122)	naphthalene	10.536	128	122432	8.32	ug/L	99
123)	1,2,3-trichlorobenzene	10.651	180	32241	7.81	ug/L	99
124)	2-methylnaphthalene	11.132	142	27221	4.14	ug/L	93

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

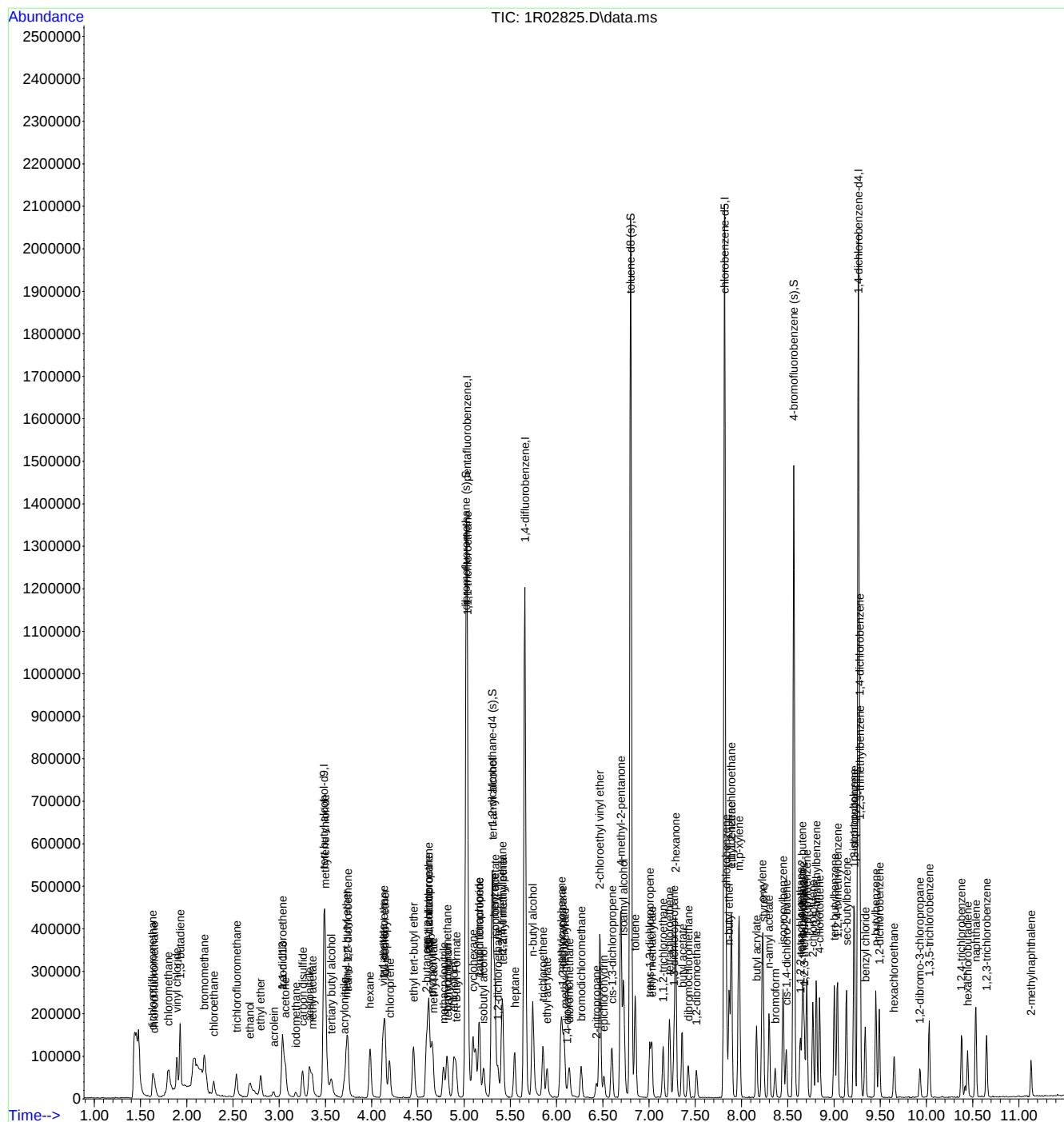
7.6.6

7

Quantitation Report (QT Reviewed)

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Data Path : C:\msdchem\1\data\V1R91\  
Data File : 1R02825.D  
Acq On : 29 Mar 2023 1:31 am  
Operator : PrashanS  
Sample : IC0091-8  
Misc : MS67262,V1R0091,5,,,,,1  
ALS Vial : 7 Sample Multiplier: 1
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Quant Time: Mar 29 12:35:33 2023
Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M
Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Wed Mar 29 12:35:26 2023
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V1r91\
 Data File : 1R02827.D
 Acq On : 29 Mar 2023 2:04 am
 Operator : Prashans
 Sample : IC0091-20
 Misc : MS67262,V1R0091,5,,,1
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 29 12:36:29 2023
 Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M
 Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
 QLast Update : Wed Mar 29 12:36:23 2023
 Response via : Initial Calibration

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

Internal Standards						
1) tert butyl alcohol-d9	3.491	65	497795	500.00	ug/L	0.00
5) pentafluorobenzene	5.030	168	614482	50.00	ug/L	0.00
52) 1,4-difluorobenzene	5.657	114	876260	50.00	ug/L	0.00
73) chlorobenzene-d5	7.816	117	843977	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	9.264	152	451452	50.00	ug/L	0.00
System Monitoring Compounds						
44) dibromofluoromethane (s)	5.018	113	266431	50.11	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	100.22%		
53) 1,2-dichloroethane-d4 (s)	5.304	65	251179	51.57	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery =	103.14%		
74) toluene-d8 (s)	6.800	98	1176684	50.93	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	101.86%		
98) 4-bromofluorobenzene (s)	8.565	174	347191	46.14	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	92.28%		
Target Compounds						
						Qvalue
2) ethanol	2.682	45	179853	1858.20	ug/L	99
3) tertiary butyl alcohol	3.564	59	111393	85.89	ug/L	96
4) 1,4-dioxane	6.125	88	40838	431.75	ug/L	94
6) chlorodifluoromethane	1.648	51	92801	17.18	ug/L	97
7) dichlorodifluoromethane	1.629	85	82414	18.03	ug/L	98
8) chloromethane	1.800	50	137663	16.56	ug/L	96
9) vinyl chloride	1.891	62	134620	17.35	ug/L	95
10) 1,3-butadiene	1.927	54	102338	17.99	ug/L	95
11) bromomethane	2.183	94	71986	16.99	ug/L	90
12) chloroethane	2.293	64	66836	17.95	ug/L	95
13) trichlorofluoromethane	2.536	101	101798	18.90	ug/L	92
14) ethyl ether	2.804	74	41935	18.46	ug/L	90
15) acrolein	2.937	56	24389	18.41	ug/L	98
16) freon 113	3.041	151	53298	17.03	ug/L	95
17) 1,1-dichloroethene	3.035	96	61863	17.39	ug/L	91
18) acetone	3.065	58	65777	75.30	ug/L	93
19) acetonitrile	3.327	41	219744	181.68	ug/L	96
20) iodomethane	3.181	142	41106	23.80	ug/L	98
21) carbon disulfide	3.248	76	184641	17.36	ug/L	99
22) methylene chloride	3.497	84	70793	18.21	ug/L	98
23) methyl acetate	3.351	74	20981	18.02	ug/L #	80
24) methyl tert butyl ether	3.728	73	193236	17.83	ug/L	96
25) trans-1,2-dichloroethene	3.740	96	69163	17.70	ug/L	91
26) hexane	3.984	56	57166	16.52	ug/L	91
27) di-isopropyl ether	4.142	45	275141	17.87	ug/L	95
28) 2-butanone	4.592	72	76219	77.08	ug/L	98
29) 1,1-dichloroethane	4.130	63	130156	17.95	ug/L	98
30) chloroprene	4.191	53	105985	17.20	ug/L	94
31) acrylonitrile	3.698	53	55667	19.73	ug/L	96
32) vinyl acetate	4.118	86	16353	16.17	ug/L #	90
33) ethyl tert-butyl ether	4.452	59	220761	18.36	ug/L	98
34) ethyl acetate	4.616	45	25969	18.53	ug/L #	79
35) 2,2-dichloropropane	4.622	77	90094	17.59	ug/L	96
36) cis-1,2-dichloroethene	4.610	96	76245	17.97	ug/L	89
37) propionitrile	4.647	54	238563	186.39	ug/L	84
38) methyl acrylate	4.665	85	18794	18.42	ug/L #	72
39) methacrylonitrile	4.781	67	47487	17.07	ug/L	96
40) bromochloromethane	4.811	128	34399	17.22	ug/L	90
41) tetrahydrofuran	4.817	42	62017	17.07	ug/L	92
42) chloroform	4.890	83	120077	16.69	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V1r91\
 Data File : 1R02827.D
 Acq On : 29 Mar 2023 2:04 am
 Operator : Prashans
 Sample : IC0091-20
 Misc : MS67262,V1R0091,5,,,1
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 29 12:36:29 2023
 Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M
 Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
 QLast Update : Wed Mar 29 12:36:23 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) tert-Butyl Formate	4.908	59	68289	18.02	ug/L	95
45) 1,1,1-trichloroethane	5.036	97	108177	17.49	ug/L #	24
46) cyclohexane	5.097	84	105191	18.33	ug/L	88
47) isobutyl alcohol	5.213	43	103596	189.25	ug/L	99
48) 1,1-dichloropropene	5.164	75	95270	18.40	ug/L	95
49) carbon tetrachloride	5.164	117	93168	18.83	ug/L	100
50) tert-amyl alcohol	5.310	73	61719	100.36	ug/L	97
51) isopropyl acetate	5.328	87	24639	17.86	ug/L #	88
54) n-butyl alcohol	5.742	56	311874	981.29	ug/L	95
55) 2,2,4-trimethylpentane	5.407	57	215360	17.61	ug/L	97
56) benzene	5.328	78	301819	17.66	ug/L	97
57) tert-amyl methyl ether	5.419	73	219524	18.33	ug/L	98
58) heptane	5.541	57	47789	16.84	ug/L	86
59) 1,2-dichloroethane	5.365	62	91444	16.64	ug/L	94
60) ethyl acrylate	5.894	55	153576	17.29	ug/L	98
61) trichloroethene	5.851	95	78072	18.52	ug/L	95
62) 2-chloroethyl vinyl ether	6.466	63	338721	94.60	ug/L	99
63) methyl methacrylate	6.089	100	24640	17.55	ug/L #	81
64) methylcyclohexane	6.046	83	116778	17.00	ug/L	98
65) 1,2-dichloropropane	6.064	63	82515	17.44	ug/L	99
66) dibromomethane	6.137	93	48396	16.68	ug/L	93
67) bromodichloromethane	6.265	83	89336	17.13	ug/L	96
68) 2-nitropropane	6.429	41	41820	14.39	ug/L	99
69) epichlorohydrin	6.515	57	79382	90.99	ug/L	97
70) cis-1,3-dichloropropene	6.594	75	119090	18.08	ug/L	97
71) 4-methyl-2-pentanone	6.691	58	241576	75.34	ug/L	97
72) isoamyl alcohol	6.721	70	113568	388.48	ug/L	95
75) toluene	6.849	92	203852	18.70	ug/L	97
76) ethyl methacrylate	7.032	69	116401	19.91	ug/L	99
77) trans-1,3-dichloropropene	7.007	75	111164	19.53	ug/L	97
78) 1,1,2-trichloroethane	7.153	83	61126	17.39	ug/L	97
79) tetrachloroethene	7.220	164	75281	16.85	ug/L	95
80) 2-hexanone	7.287	58	267472	76.32	ug/L	100
81) 1,3-dichloropropane	7.269	76	114026	18.35	ug/L	98
82) butyl acetate	7.360	56	84511	18.21	ug/L	96
83) dibromochloromethane	7.421	129	77858	18.69	ug/L	95
84) 1,2-dibromoethane	7.512	107	76692	18.58	ug/L	93
85) n-butyl ether	7.865	57	372395	19.04	ug/L	100
86) chlorobenzene	7.835	112	220500	18.45	ug/L	98
87) 1,1,1,2-tetrachloroethane	7.889	131	77784	19.30	ug/L	97
88) ethylbenzene	7.889	91	372338	18.71	ug/L	98
89) m,p-xylene	7.975	106	287122	37.76	ug/L	95
90) o-xylene	8.224	91	282162	18.65	ug/L	99
91) styrene	8.236	104	241245	19.35	ug/L	98
92) butyl acrylate	8.163	55	196439	19.41	ug/L	98
93) n-amyl acetate	8.297	70	75470	19.06	ug/L	96
94) isopropylbenzene	8.449	105	334148	19.09	ug/L	99
95) bromoform	8.364	173	58441	18.04	ug/L	96
96) cis-1,4-dichloro-2-butene	8.486	88	43594	17.88	ug/L	89
99) 1,1,2,2-tetrachloroethane	8.638	83	126364	17.71	ug/L	97
100) trans-1,4-dichloro-2-b...	8.656	53	44652	19.02	ug/L	93
101) 1,2,3-trichloropropane	8.680	110	36715	17.72	ug/L	88
102) bromobenzene	8.662	156	91212	16.89	ug/L	97
103) n-propylbenzene	8.705	91	422613	17.85	ug/L	98
104) 2-chlorotoluene	8.771	126	87376	18.23	ug/L	91
105) 4-chlorotoluene	8.845	91	250851	17.33	ug/L	99
106) 1,3,5-trimethylbenzene	8.808	105	287897	18.08	ug/L	95
107) tert-butylbenzene	9.003	119	245547	17.61	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V1r91\
 Data File : 1R02827.D
 Acq On : 29 Mar 2023 2:04 am
 Operator : PrashanS
 Sample : IC0091-20
 Misc : MS67262,V1R0091,5,,,,,1
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 29 12:36:29 2023
 Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M
 Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
 QLast Update : Wed Mar 29 12:36:23 2023
 Response via : Initial Calibration

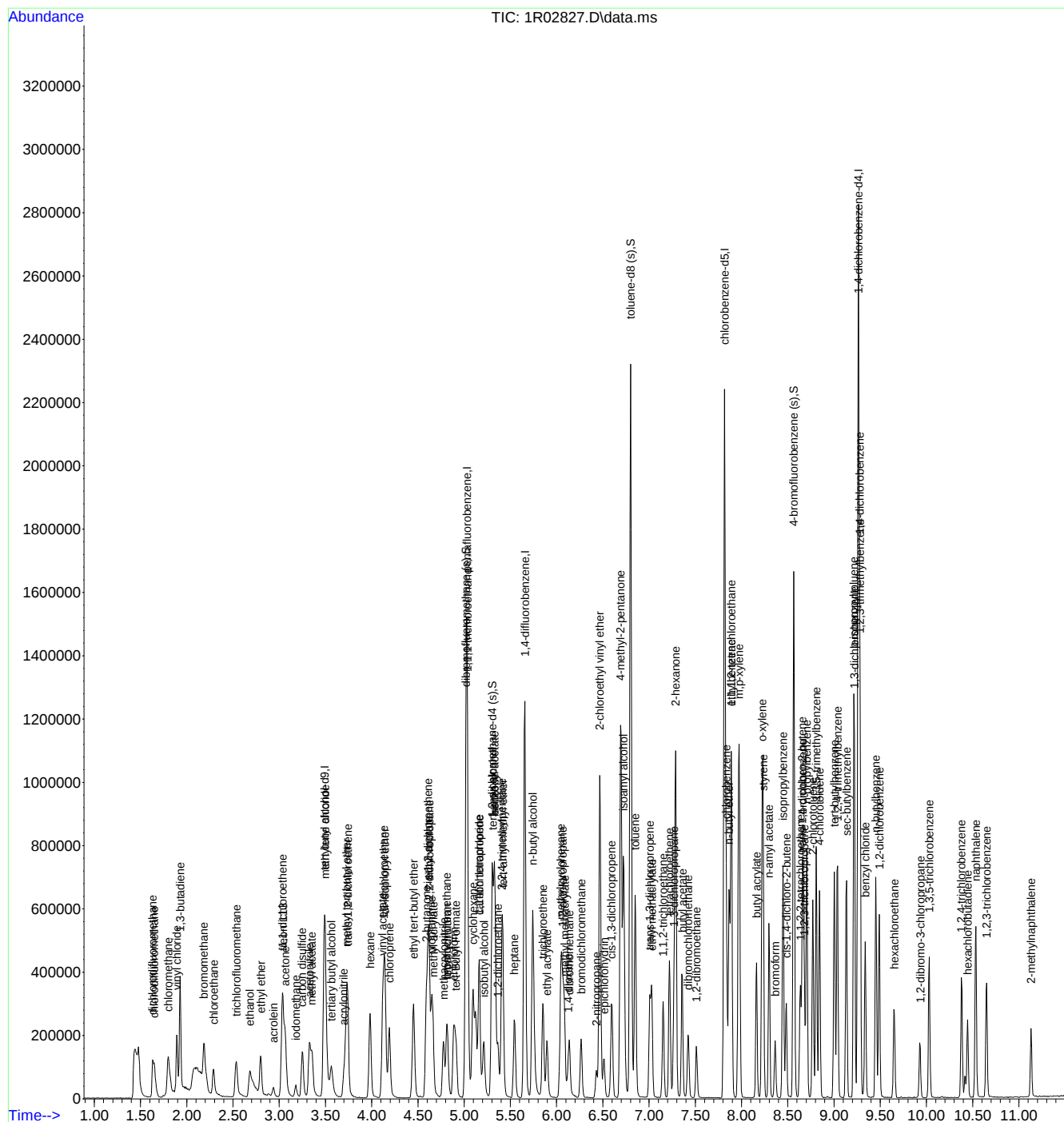
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108)	1,2,4-trimethylbenzene	9.039	105	294964	18.41	ug/L	98
109)	sec-butylbenzene	9.137	105	346094	18.32	ug/L	97
110)	p-isopropyltoluene	9.216	119	298758	17.45	ug/L	98
111)	1,2,3-trimethylbenzene	9.283	105	306839	17.73	ug/L	95
112)	1,3-dichlorobenzene	9.222	146	171852	16.96	ug/L	99
113)	1,4-dichlorobenzene	9.276	146	180055	17.16	ug/L	99
114)	1,2-dichlorobenzene	9.489	146	167983	18.06	ug/L	100
115)	benzyl chloride	9.337	91	233843	18.33	ug/L	96
116)	n-butylbenzene	9.453	92	147689	18.68	ug/L	95
117)	hexachloroethane	9.654	201	32309	21.59	ug/L	98
118)	1,2-dibromo-3-chloropr...	9.933	157	33227	18.05	ug/L	88
119)	1,3,5-trichlorobenzene	10.031	180	101824	17.03	ug/L	98
120)	1,2,4-trichlorobenzene	10.378	180	86348	16.86	ug/L	96
121)	hexachlorobutadiene	10.444	225	33423	18.14	ug/L	96
122)	naphthalene	10.536	128	314673	17.29	ug/L	99
123)	1,2,3-trichlorobenzene	10.651	180	85523	16.94	ug/L	93
124)	2-methylnaphthalene	11.132	142	71181	8.76	ug/L	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V1R91\
Data File : 1R02827.D
Acq On : 29 Mar 2023 2:04 am
Operator : Prashans
Sample : IC0091-20
Misc : MS67262,V1R0091,5,,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 29 12:36:29 2023
Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M
Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Wed Mar 29 12:36:23 2023
Response via : Initial Calibration



7.6.7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V1r91\
 Data File : 1R02829.D
 Acq On : 29 Mar 2023 2:37 am
 Operator : Prashans
 Sample : ICC0091-50
 Misc : MS67262,V1R0091,5,,,,,1
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 29 12:11:30 2023
 Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M
 Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
 QLast Update : Wed Mar 29 12:11:26 2023
 Response via : Initial Calibration

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

Internal Standards						
1) tert butyl alcohol-d9	3.491	65	501834	500.00	ug/L	0.00
5) pentafluorobenzene	5.030	168	694530	50.00	ug/L	0.00
52) 1,4-difluorobenzene	5.657	114	940928	50.00	ug/L	0.00
73) chlorobenzene-d5	7.817	117	1005733	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	9.264	152	682662	50.00	ug/L	0.00
System Monitoring Compounds						
44) dibromofluoromethane (s)	5.018	113	304894	50.00	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	100.00%		
53) 1,2-dichloroethane-d4 (s)	5.304	65	276087	50.00	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery =	100.00%		
74) toluene-d8 (s)	6.801	98	1541613	50.00	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	100.00%		
98) 4-bromofluorobenzene (s)	8.565	174	468613	50.00	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	100.00%		
Target Compounds						
						Qvalue
2) ethanol	2.688	45	422373	5000.00	ug/L	100
3) tertiary butyl alcohol	3.570	59	287426	250.00	ug/L	100
4) 1,4-dioxane	6.119	88	105218	1250.00	ug/L	100
6) chlorodifluoromethane	1.654	51	246216	50.00	ug/L	100
7) dichlorodifluoromethane	1.636	85	227725	50.00	ug/L	100
8) chloromethane	1.800	50	357107	50.00	ug/L	100
9) vinyl chloride	1.897	62	352598	50.14	ug/L	100
10) 1,3-butadiene	1.934	54	275337	50.00	ug/L	100
11) bromomethane	2.189	94	216280	50.00	ug/L	100
12) chloroethane	2.293	64	188031	50.00	ug/L	100
13) trichlorofluoromethane	2.536	101	285374	50.00	ug/L	100
14) ethyl ether	2.804	74	118894	50.00	ug/L	100
15) acrolein	2.938	56	68155	50.00	ug/L	100
16) freon 113	3.041	151	158855	50.05	ug/L	100
17) 1,1-dichloroethene	3.041	96	177652	50.00	ug/L	100
18) acetone	3.065	58	150660	200.00	ug/L	100
19) acetonitrile	3.333	41	584973	500.00	ug/L	100
20) iodomethane	3.181	142	147568	50.00	ug/L	100
21) carbon disulfide	3.254	76	506315	50.00	ug/L	100
22) methylene chloride	3.497	84	203993	50.00	ug/L	100
23) methyl acetate	3.357	74	55706	50.00	ug/L	100
24) methyl tert butyl ether	3.728	73	575169	50.00	ug/L	100
25) trans-1,2-dichloroethene	3.741	96	202690	50.00	ug/L	100
26) hexane	3.984	56	166590	50.00	ug/L	100
27) di-isopropyl ether	4.142	45	833277	50.00	ug/L	100
28) 2-butanone	4.592	72	200858	200.00	ug/L	100
29) 1,1-dichloroethane	4.130	63	382464	50.16	ug/L	100
30) chloroprene	4.191	53	340489	50.00	ug/L	100
31) acrylonitrile	3.704	53	160405	50.00	ug/L	100
32) vinyl acetate	4.118	86	54080	50.00	ug/L	100
33) ethyl tert-butyl ether	4.452	59	673197	50.00	ug/L	100
34) ethyl acetate	4.617	45	74209	50.00	ug/L	100
35) 2,2-dichloropropane	4.623	77	265878	50.00	ug/L	100
36) cis-1,2-dichloroethene	4.617	96	222967	50.00	ug/L	100
37) propionitrile	4.653	54	680248	500.00	ug/L	100
38) methyl acrylate	4.665	85	58021	50.00	ug/L	100
39) methacrylonitrile	4.781	67	151882	50.00	ug/L	100
40) bromochloromethane	4.811	128	110133	50.00	ug/L	100
41) tetrahydrofuran	4.823	42	180696	50.00	ug/L	100
42) chloroform	4.890	83	369311	50.00	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V1r91\
 Data File : 1R02829.D
 Acq On : 29 Mar 2023 2:37 am
 Operator : Prashans
 Sample : ICC0091-50
 Misc : MS67262,V1R0091,5,,,,,1
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 29 12:11:30 2023
 Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M
 Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
 QLast Update : Wed Mar 29 12:11:26 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) tert-Butyl Formate	4.915	59	230067	50.00	ug/L	100
45) 1,1,1-trichloroethane	5.036	97	315681	50.00	ug/L	100
46) cyclohexane	5.097	84	312714	50.00	ug/L	100
47) isobutyl alcohol	5.213	43	281153	500.00	ug/L	100
48) 1,1-dichloropropene	5.164	75	277543	50.00	ug/L	100
49) carbon tetrachloride	5.164	117	281010	50.00	ug/L	100
50) tert-amyl alcohol	5.316	73	161535	250.00	ug/L	100
51) isopropyl acetate	5.334	87	72291	50.00	ug/L	100
54) n-butyl alcohol	5.748	56	874923	2500.00	ug/L	100
55) 2,2,4-trimethylpentane	5.414	57	626965	50.00	ug/L	100
56) benzene	5.328	78	887008	50.00	ug/L	100
57) tert-amyl methyl ether	5.420	73	651152	50.08	ug/L	100
58) heptane	5.547	57	139765	50.00	ug/L	100
59) 1,2-dichloroethane	5.365	62	285924	50.00	ug/L	100
60) ethyl acrylate	5.894	55	472754	50.00	ug/L	100
61) trichloroethene	5.852	95	223654	50.00	ug/L	100
62) 2-chloroethyl vinyl ether	6.472	63	1099080	250.00	ug/L	100
63) methyl methacrylate	6.089	100	72620	50.00	ug/L	100
64) methylcyclohexane	6.046	83	350060	50.00	ug/L	100
65) 1,2-dichloropropane	6.064	63	247629	50.00	ug/L	100
66) dibromomethane	6.137	93	150195	50.00	ug/L	100
67) bromodichloromethane	6.265	83	280490	50.00	ug/L	100
68) 2-nitropropane	6.430	41	130218	49.81	ug/L	99
69) epichlorohydrin	6.515	57	242549	250.00	ug/L	100
70) cis-1,3-dichloropropene	6.600	75	362576	50.00	ug/L	100
71) 4-methyl-2-pentanone	6.697	58	779840	200.00	ug/L	100
72) isoamyl alcohol	6.728	70	376734	1000.00	ug/L	100
75) toluene	6.855	92	679358	50.00	ug/L	100
76) ethyl methacrylate	7.032	69	362878	50.00	ug/L	100
77) trans-1,3-dichloropropene	7.007	75	342756	50.00	ug/L	100
78) 1,1,2-trichloroethane	7.153	83	189705	50.00	ug/L	100
79) tetrachloroethene	7.220	164	216040	50.00	ug/L	100
80) 2-hexanone	7.287	58	832743	200.00	ug/L	100
81) 1,3-dichloropropane	7.269	76	347870	50.00	ug/L	100
82) butyl acetate	7.360	56	259973	50.00	ug/L	100
83) dibromochloromethane	7.421	129	248921	50.00	ug/L	100
84) 1,2-dibromoethane	7.512	107	233677	50.00	ug/L	100
85) n-butyl ether	7.865	57	1153362	50.00	ug/L	100
86) chlorobenzene	7.835	112	683279	50.00	ug/L	100
87) 1,1,1,2-tetrachloroethane	7.890	131	273322	50.00	ug/L	100
88) ethylbenzene	7.890	91	1261421	50.00	ug/L	100
89) m,p-xylene	7.975	106	1035613	100.00	ug/L	100
90) o-xylene	8.224	91	1064079	50.00	ug/L	100
91) styrene	8.236	104	986379	50.00	ug/L	100
92) butyl acrylate	8.163	55	611847	50.00	ug/L	100
93) n-amyl acetate	8.297	70	282318	50.00	ug/L	100
94) isopropylbenzene	8.449	105	1302729	50.00	ug/L	100
95) bromoform	8.364	173	237514	50.00	ug/L	100
96) cis-1,4-dichloro-2-butene	8.486	88	191989	50.00	ug/L	100
99) 1,1,2,2-tetrachloroethane	8.638	83	374412	50.00	ug/L	100
100) trans-1,4-dichloro-2-b...	8.656	53	147572	50.00	ug/L	100
101) 1,2,3-trichloropropane	8.680	110	115549	50.00	ug/L	100
102) bromobenzene	8.662	156	324520	50.00	ug/L	100
103) n-propylbenzene	8.705	91	1446533	50.00	ug/L	100
104) 2-chlorotoluene	8.772	126	288159	50.00	ug/L	100
105) 4-chlorotoluene	8.845	91	977811	50.00	ug/L	100
106) 1,3,5-trimethylbenzene	8.808	105	1106738	50.00	ug/L	100
107) tert-butylbenzene	9.003	119	859101	50.00	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V1r91\
 Data File : 1R02829.D
 Acq On : 29 Mar 2023 2:37 am
 Operator : Prashans
 Sample : ICC0091-50
 Misc : MS67262,V1R0091,5,,,,,1
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 29 12:11:30 2023
 Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M
 Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
 QLast Update : Wed Mar 29 12:11:26 2023
 Response via : Initial Calibration

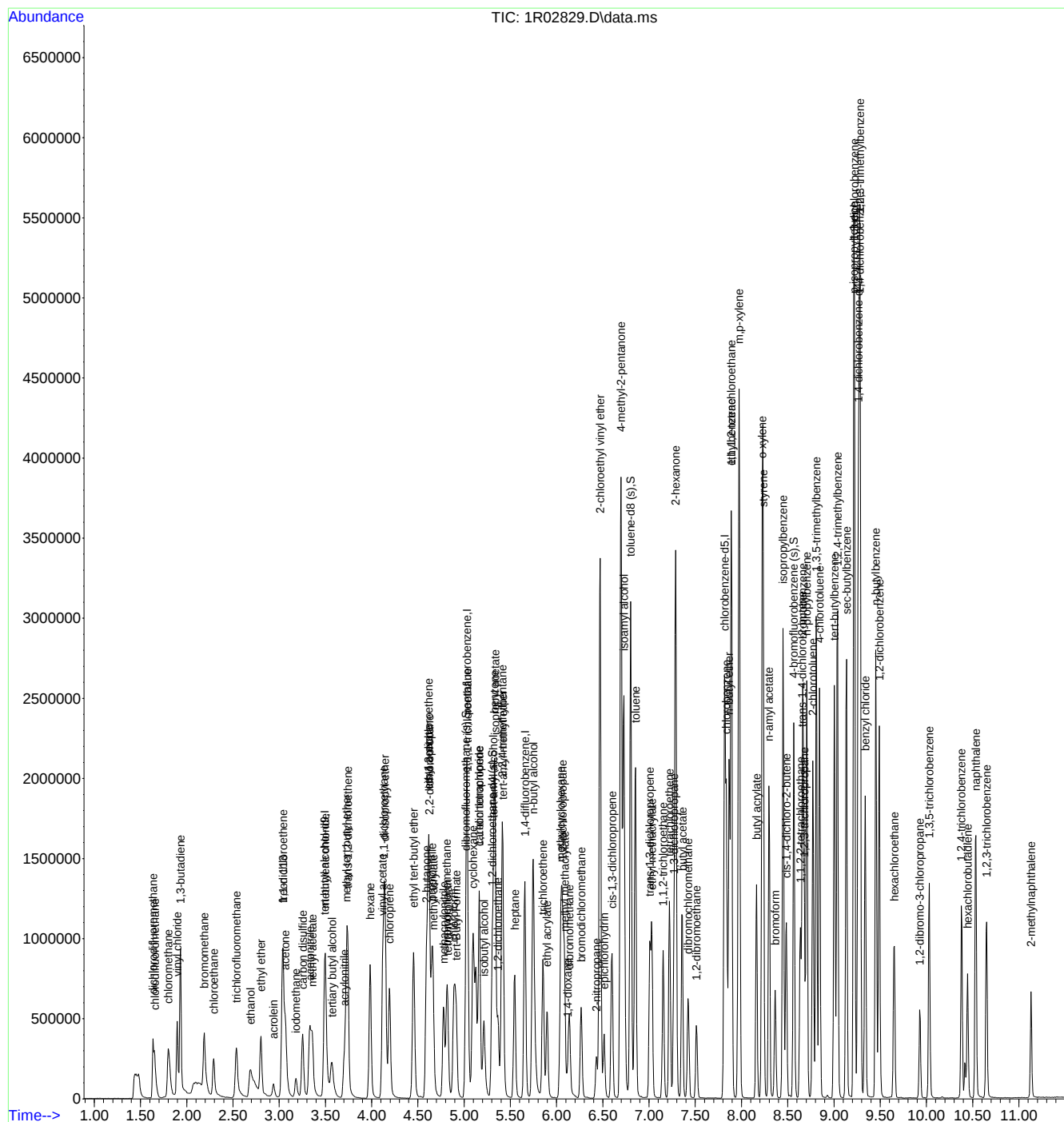
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108)	1,2,4-trimethylbenzene	9.039	105	1229963	50.00	ug/L	100
109)	sec-butylbenzene	9.137	105	1346439	50.00	ug/L	100
110)	p-isopropyltoluene	9.216	119	1329146	50.00	ug/L	100
111)	1,2,3-trimethylbenzene	9.283	105	1309487	50.00	ug/L	100
112)	1,3-dichlorobenzene	9.222	146	771446	50.00	ug/L	100
113)	1,4-dichlorobenzene	9.277	146	762393	50.00	ug/L	100
114)	1,2-dichlorobenzene	9.490	146	709701	50.00	ug/L	100
115)	benzyl chloride	9.337	91	918856	50.00	ug/L	100
116)	n-butylbenzene	9.453	92	565553	50.00	ug/L	100
117)	hexachloroethane	9.654	201	116356	50.00	ug/L	100
118)	1,2-dibromo-3-chloropr...	9.928	157	102775	50.00	ug/L	100
119)	1,3,5-trichlorobenzene	10.031	180	312817	50.00	ug/L	100
120)	1,2,4-trichlorobenzene	10.378	180	277477	50.00	ug/L	100
121)	hexachlorobutadiene	10.445	225	94479	50.00	ug/L	100
122)	naphthalene	10.536	128	1009565	50.00	ug/L	100
123)	1,2,3-trichlorobenzene	10.652	180	256799	50.00	ug/L	100
124)	2-methylnaphthalene	11.132	142	209203	25.00	ug/L	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V1R91\
Data File : 1R02829.D
Acq On : 29 Mar 2023 2:37 am
Operator : Prashans
Sample : ICC0091-50
Misc : MS67262,V1R0091,5,,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 29 12:11:30 2023
Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M
Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Wed Mar 29 12:11:26 2023
Response via : Initial Calibration



7.6.8

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V1r91\
 Data File : 1R02831.D
 Acq On : 29 Mar 2023 3:10 am
 Operator : Prashans
 Sample : IC0091-100
 Misc : MS67262,V1R0091,5,,,,,1
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 29 12:37:33 2023
 Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M
 Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
 QLast Update : Wed Mar 29 12:37:22 2023
 Response via : Initial Calibration

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

Internal Standards						
1) tert butyl alcohol-d9	3.497	65	580217	500.00	ug/L	0.00
5) pentafluorobenzene	5.030	168	826610	50.00	ug/L	# 0.00
52) 1,4-difluorobenzene	5.657	114	1081223	50.00	ug/L	0.00
73) chlorobenzene-d5	7.817	117	1320491	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	9.264	152	764898	50.00	ug/L	0.00
System Monitoring Compounds						
44) dibromofluoromethane (s)	5.024	113	374444	52.34	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	104.68%		
53) 1,2-dichloroethane-d4 (s)	5.310	65	359641	59.61	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery =	119.22%		
74) toluene-d8 (s)	6.801	98	1960065	54.10	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	108.20%		
98) 4-bromofluorobenzene (s)	8.571	174	612793	48.54	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	97.08%		
Target Compounds						
						Qvalue
2) ethanol	2.700	45	925310	8285.95	ug/L	97
3) tertiary butyl alcohol	3.576	59	718419	485.00	ug/L	98
4) 1,4-dioxane	6.125	88	292363	2713.62	ug/L	97
6) chlorodifluoromethane	1.654	51	581613	81.98	ug/L	100
7) dichlorodifluoromethane	1.636	85	564712	92.99	ug/L	97
8) chloromethane	1.806	50	793784	73.06	ug/L	98
9) vinyl chloride	1.897	62	814745	79.55	ug/L	97
10) 1,3-butadiene	1.934	54	650103	86.17	ug/L	99
11) bromomethane	2.183	94	568909	102.40	ug/L	99
12) chloroethane	2.293	64	504842	102.53	ug/L	100
13) trichlorofluoromethane	2.536	101	734929	102.13	ug/L	97
14) ethyl ether	2.804	74	303344	100.38	ug/L	91
15) acrolein	2.944	56	172633	98.45	ug/L	98
16) freon 113	3.041	151	389034	94.41	ug/L	95
17) 1,1-dichloroethene	3.041	96	454166	96.47	ug/L	94
18) acetone	3.071	58	442272	379.55	ug/L	98
19) acetonitrile	3.333	41	1411840	883.92	ug/L	97
20) iodomethane	3.187	142	405218	168.00	ug/L	99
21) carbon disulfide	3.254	76	1298888	92.54	ug/L	100
22) methylene chloride	3.497	84	501151	97.08	ug/L	95
23) methyl acetate	3.363	74	148603	96.49	ug/L	# 75
24) methyl tert butyl ether	3.728	73	1581084	109.93	ug/L	98
25) trans-1,2-dichloroethene	3.747	96	548252	106.06	ug/L	98
26) hexane	3.984	56	405380	89.32	ug/L	89
27) di-isopropyl ether	4.142	45	2410798	117.98	ug/L	98
28) 2-butanone	4.598	72	616497	465.87	ug/L	97
29) 1,1-dichloroethane	4.130	63	1146351	119.06	ug/L	98
30) chloroprene	4.191	53	1026073	126.00	ug/L	97
31) acrylonitrile	3.704	53	395669	104.45	ug/L	96
32) vinyl acetate	4.124	86	142995	108.60	ug/L	# 82
33) ethyl tert-butyl ether	4.452	59	1835242	114.63	ug/L	96
34) ethyl acetate	4.623	45	212133	113.90	ug/L	# 89
35) 2,2-dichloropropane	4.623	77	946746	139.79	ug/L	91
36) cis-1,2-dichloroethene	4.617	96	713274	126.55	ug/L	93
37) propionitrile	4.659	54	1987901	1164.48	ug/L	81
38) methyl acrylate	4.665	85	176664	130.45	ug/L	94
39) methacrylonitrile	4.781	67	436639	119.57	ug/L	97
40) bromochloromethane	4.817	128	348106	131.82	ug/L	# 83
41) tetrahydrofuran	4.823	42	482225	101.15	ug/L	95
42) chloroform	4.890	83	1055514	111.68	ug/L	92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V1r91\
 Data File : 1R02831.D
 Acq On : 29 Mar 2023 3:10 am
 Operator : Prashans
 Sample : IC0091-100
 Misc : MS67262,V1R0091,5,,,1
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 29 12:37:33 2023
 Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M
 Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
 QLast Update : Wed Mar 29 12:37:22 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) tert-Butyl Formate	4.915	59	603718	120.12	ug/L	96
45) 1,1,1-trichloroethane	5.042	97	842780	103.14	ug/L #	62
46) cyclohexane	5.097	84	804929	105.52	ug/L	90
47) isobutyl alcohol	5.219	43	650128	892.47	ug/L	98
48) 1,1-dichloropropene	5.164	75	725990	105.43	ug/L	97
49) carbon tetrachloride	5.164	117	745011	112.88	ug/L	99
50) tert-amyl alcohol	5.316	73	439659	531.14	ug/L	97
51) isopropyl acetate	5.334	87	205837	112.93	ug/L #	92
54) n-butyl alcohol	5.754	56	2396184	6129.32	ug/L	98
55) 2,2,4-trimethylpentane	5.414	57	1639193	110.30	ug/L	98
56) benzene	5.328	78	2524955	121.53	ug/L	99
57) tert-amyl methyl ether	5.420	73	1824924	124.79	ug/L	98
58) heptane	5.547	57	336740	98.36	ug/L	87
59) 1,2-dichloroethane	5.365	62	744969	112.23	ug/L	98
60) ethyl acrylate	5.900	55	1295793	120.58	ug/L	99
61) trichloroethene	5.852	95	652692	126.66	ug/L	98
62) 2-chloroethyl vinyl ether	6.472	63	3054845	696.12	ug/L	98
63) methyl methacrylate	6.089	100	239961	141.43	ug/L #	82
64) methylcyclohexane	6.046	83	993317	119.46	ug/L	98
65) 1,2-dichloropropane	6.064	63	713812	124.52	ug/L	97
66) dibromomethane	6.137	93	458720	131.23	ug/L	94
67) bromodichloromethane	6.265	83	701235	111.24	ug/L	98
68) 2-nitropropane	6.429	41	342779	101.28	ug/L	93
69) epichlorohydrin	6.515	57	660846	623.24	ug/L	98
70) cis-1,3-dichloropropene	6.600	75	1004197	125.07	ug/L	94
71) 4-methyl-2-pentanone	6.697	58	2041774	519.87	ug/L	99
72) isoamyl alcohol	6.728	70	928768	2589.70	ug/L	98
75) toluene	6.855	92	1857330	109.80	ug/L	99
76) ethyl methacrylate	7.032	69	1089514	119.17	ug/L	93
77) trans-1,3-dichloropropene	7.007	75	1083074	121.99	ug/L	91
78) 1,1,2-trichloroethane	7.153	83	523826	96.81	ug/L	98
79) tetrachloroethene	7.220	164	580654	84.74	ug/L	95
80) 2-hexanone	7.287	58	2219778	407.17	ug/L	97
81) 1,3-dichloropropane	7.269	76	939405	97.64	ug/L	96
82) butyl acetate	7.360	56	734720	102.49	ug/L	97
83) dibromochloromethane	7.421	129	744276	115.26	ug/L	98
84) 1,2-dibromoethane	7.512	107	614495	96.13	ug/L	98
85) n-butyl ether	7.865	57	3193299	104.96	ug/L	100
86) chlorobenzene	7.835	112	2100361	113.40	ug/L	96
87) 1,1,1,2-tetrachloroethane	7.890	131	827877	131.97	ug/L	97
88) ethylbenzene	7.890	91	3548587	114.92	ug/L	98
89) m,p-xylene	7.975	106	2792845	236.38	ug/L	95
90) o-xylene	8.224	91	2861186	121.92	ug/L	98
91) styrene	8.236	104	2448886	126.13	ug/L	95
92) butyl acrylate	8.163	55	1756277	111.32	ug/L	98
93) n-amyl acetate	8.297	70	645058	104.94	ug/L	98
94) isopropylbenzene	8.449	105	3466020	127.38	ug/L	98
95) bromoform	8.364	173	702390	140.29	ug/L	98
96) cis-1,4-dichloro-2-butene	8.486	88	513020	136.92	ug/L	97
99) 1,1,2,2-tetrachloroethane	8.638	83	1027470	86.42	ug/L	99
100) trans-1,4-dichloro-2-b...	8.656	53	364644	92.31	ug/L	87
101) 1,2,3-trichloropropane	8.680	110	338060	98.16	ug/L	87
102) bromobenzene	8.662	156	916762	102.19	ug/L	88
103) n-propylbenzene	8.705	91	3871406	98.01	ug/L	99
104) 2-chlorotoluene	8.772	126	831391	103.54	ug/L	97
105) 4-chlorotoluene	8.845	91	2391026	99.17	ug/L	97
106) 1,3,5-trimethylbenzene	8.808	105	2830885	106.19	ug/L	98
107) tert-butylbenzene	9.003	119	2436622	104.95	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V1r91\
 Data File : 1R02831.D
 Acq On : 29 Mar 2023 3:10 am
 Operator : Prashans
 Sample : IC0091-100
 Misc : MS67262,V1R0091,5,,,,,1
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 29 12:37:33 2023
 Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M
 Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
 QLast Update : Wed Mar 29 12:37:22 2023
 Response via : Initial Calibration

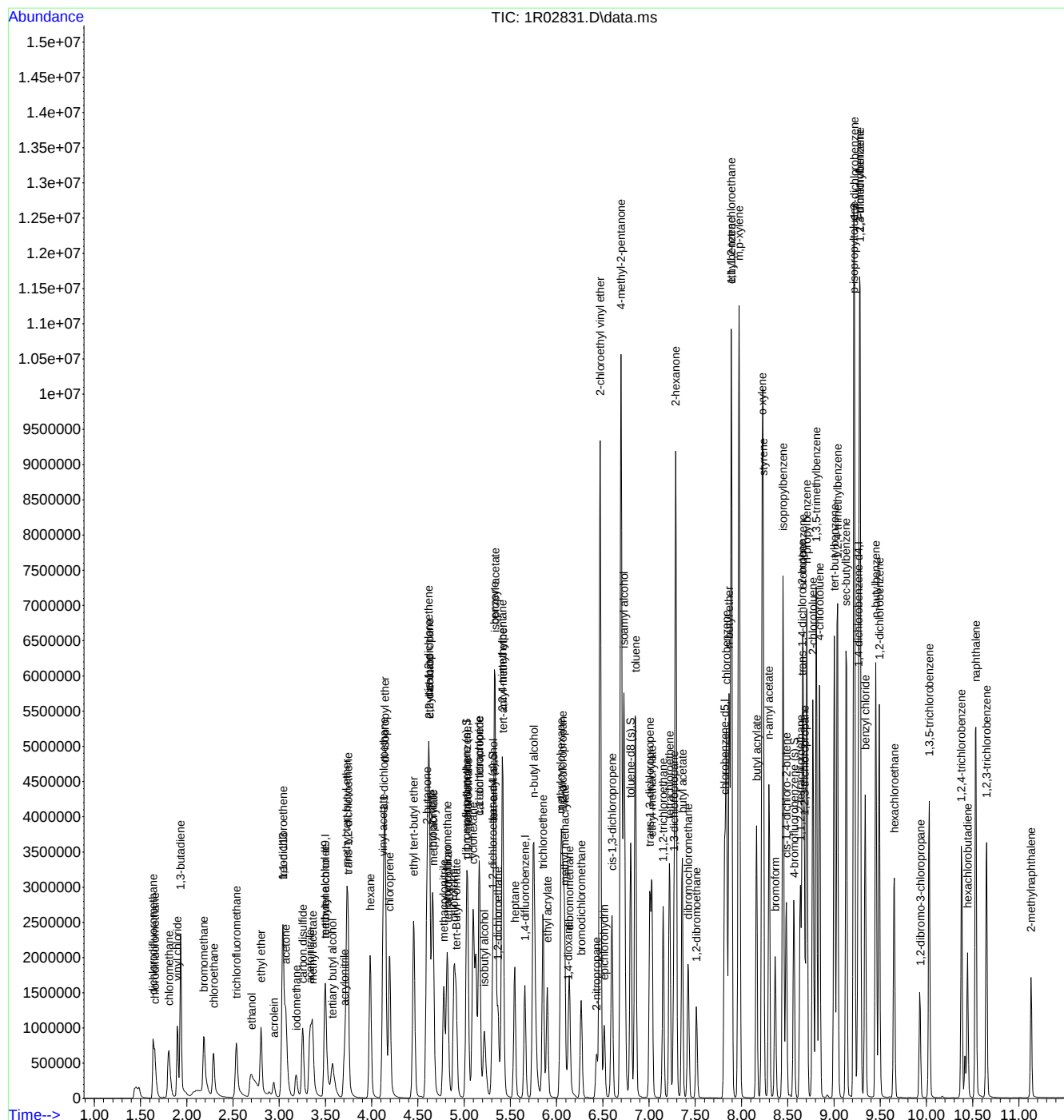
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108)	1,2,4-trimethylbenzene	9.039	105	2993354	111.40	ug/L	98
109)	sec-butylbenzene	9.131	105	3399213	107.31	ug/L	96
110)	p-isopropyltoluene	9.216	119	3219822	112.82	ug/L	99
111)	1,2,3-trimethylbenzene	9.283	105	3029099	105.00	ug/L	99
112)	1,3-dichlorobenzene	9.222	146	1885416	111.95	ug/L	98
113)	1,4-dichlorobenzene	9.277	146	1826198	104.59	ug/L	98
114)	1,2-dichlorobenzene	9.490	146	1707172	109.63	ug/L	98
115)	benzyl chloride	9.337	91	2137870	100.08	ug/L	99
116)	n-butylbenzene	9.453	92	1265490	95.25	ug/L	96
117)	hexachloroethane	9.654	201	376184	146.73	ug/L	96
118)	1,2-dibromo-3-chloropr...	9.934	157	298421	97.03	ug/L	90
119)	1,3,5-trichlorobenzene	10.031	180	967568	97.57	ug/L	94
120)	1,2,4-trichlorobenzene	10.378	180	796743	93.65	ug/L	98
121)	hexachlorobutadiene	10.445	225	247951	80.48	ug/L	96
122)	naphthalene	10.536	128	3170506	105.22	ug/L	97
123)	1,2,3-trichlorobenzene	10.651	180	809286	96.75	ug/L	90
124)	2-methylnaphthalene	11.132	142	569499	42.13	ug/L	93

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V1r91\
Data File : 1R02831.D
Acq On : 29 Mar 2023 3:10 am
Operator : PrashanS
Sample : IC0091-100
Misc : MS67262,V1R0091,5,,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 29 12:37:33 2023
Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M
Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Wed Mar 29 12:37:22 2023
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V1r91\
 Data File : 1R02833.D
 Acq On : 29 Mar 2023 3:42 am
 Operator : Prashans
 Sample : IC0091-200
 Misc : MS67262,V1R0091,5,,,,,1
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 30 09:19:40 2023
 Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M
 Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
 QLast Update : Wed Mar 29 12:39:36 2023
 Response via : Initial Calibration

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

Internal Standards						
1) tert butyl alcohol-d9	3.509	65	882700	500.00	ug/L	0.02
5) pentafluorobenzene	5.030	168	1195366	50.00	ug/L	# 0.00
52) 1,4-difluorobenzene	5.657	114	1507228	50.00	ug/L	0.00
73) chlorobenzene-d5	7.816	117	1606818	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	9.264	152	850440	50.00	ug/L	0.00
System Monitoring Compounds						
44) dibromofluoromethane (s)	5.018	113	515145	49.58	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	99.16%		
53) 1,2-dichloroethane-d4 (s)	5.304	65	516038	58.89	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery =	117.78%		
74) toluene-d8 (s)	6.800	98	2165015	48.79	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	97.58%		
98) 4-bromofluorobenzene (s)	8.565	174	661717	47.55	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	95.10%		
Target Compounds						
						Qvalue
2) ethanol	2.700	45	2061487	12946.57	ug/L	99
3) tertiary butyl alcohol	3.582	59	1968848	889.13	ug/L	99
4) 1,4-dioxane	6.125	88	795174	4817.83	ug/L	96
6) chlorodifluoromethane	1.648	51	1269872	139.23	ug/L	98
7) dichlorodifluoromethane	1.629	85	1176988	139.61	ug/L	98
8) chloromethane	1.794	50	1667723	196.67	ug/L	99
9) vinyl chloride	1.891	62	1680007	122.07	ug/L	97
10) 1,3-butadiene	1.927	54	1359352	132.17	ug/L	97
12) chloroethane	2.268	64	1086712	156.76	ug/L	95
13) trichlorofluoromethane	2.518	101	2326690	220.52	ug/L	96
14) ethyl ether	2.797	74	829133	190.73	ug/L	90
15) acrolein	2.931	56	467658	186.92	ug/L	99
16) freon 113	3.029	151	1237823	208.12	ug/L	96
17) 1,1-dichloroethene	3.029	96	1309964	193.83	ug/L	98
18) acetone	3.065	58	1042887	638.58	ug/L	98
19) acetonitrile	3.333	41	3619820	1645.32	ug/L	98
21) carbon disulfide	3.241	76	3555285	179.12	ug/L	98
22) methylene chloride	3.491	84	1365790	185.32	ug/L	99
23) methyl acetate	3.357	74	421333	191.31	ug/L	# 72
24) methyl tert butyl ether	3.728	73	4246623	201.76	ug/L	96
25) trans-1,2-dichloroethene	3.740	96	1454709	193.87	ug/L	93
26) hexane	3.978	56	1089137	171.22	ug/L	92
27) di-isopropyl ether	4.142	45	5479635	183.48	ug/L	95
28) 2-butanone	4.598	72	1321722	688.53	ug/L	94
29) 1,1-dichloroethane	4.124	63	2576864	182.95	ug/L	98
30) chloroprene	4.184	53	2465246	203.11	ug/L	99
31) acrylonitrile	3.704	53	1001148	183.61	ug/L	99
32) vinyl acetate	4.118	86	375969	195.66	ug/L	# 75
33) ethyl tert-butyl ether	4.452	59	4824731	204.53	ug/L	96
34) ethyl acetate	4.616	45	462052	171.63	ug/L	# 37
35) 2,2-dichloropropane	4.616	77	2107208	204.40	ug/L	90
36) cis-1,2-dichloroethene	4.610	96	1671784	199.30	ug/L	87
37) propionitrile	4.659	54	4301422	1736.21	ug/L	70
38) methyl acrylate	4.665	85	379839	187.52	ug/L	99
39) methacrylonitrile	4.781	67	967997	180.77	ug/L	98
40) bromochloromethane	4.811	128	833154	209.60	ug/L	# 80
41) tetrahydrofuran	4.823	42	1016764	152.26	ug/L	96
42) chloroform	4.890	83	2625003	190.44	ug/L	93
43) tert-Butyl Formate	4.908	59	1594133	212.30	ug/L	92
45) 1,1,1-trichloroethane	5.030	97	2404621	202.41	ug/L	# 59

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V1r91\
 Data File : 1R02833.D
 Acq On : 29 Mar 2023 3:42 am
 Operator : Prashans
 Sample : IC0091-200
 Misc : MS67262,V1R0091,5,,,1
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 30 09:19:40 2023

Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M

Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um

QLast Update : Wed Mar 29 12:39:36 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cyclohexane	5.097	84	2080024	188.61	ug/L	86
47) isobutyl alcohol	5.225	43	1695638	1682.40	ug/L	99
48) 1,1-dichloropropene	5.158	75	1876987	188.56	ug/L	96
49) carbon tetrachloride	5.158	117	2310185	233.26	ug/L	98
50) tert-amyl alcohol	5.322	73	1110721	929.04	ug/L	97
51) isopropyl acetate	5.334	87	499172	187.60	ug/L #	93
54) n-butyl alcohol	5.760	56	5886643	10403.80	ug/L	96
55) 2,2,4-trimethylpentane	5.407	57	4103737	196.25	ug/L	93
56) benzene	5.328	78	6049069	203.57	ug/L	95
57) tert-amyl methyl ether	5.413	73	4551800	215.44	ug/L	98
58) heptane	5.541	57	886462	187.58	ug/L	92
59) 1,2-dichloroethane	5.365	62	2047965	216.37	ug/L	91
60) ethyl acrylate	5.900	55	2971411	194.09	ug/L	99
61) trichloroethene	5.851	95	1681215	224.25	ug/L	92
62) 2-chloroethyl vinyl ether	6.472	63	6952646	1079.45	ug/L	96
63) methyl methacrylate	6.083	100	548056	216.24	ug/L #	80
64) methylcyclohexane	6.046	83	2438900	205.34	ug/L	96
65) 1,2-dichloropropane	6.064	63	1553088	189.77	ug/L	98
66) dibromomethane	6.137	93	1003123	198.33	ug/L	89
67) bromodichloromethane	6.265	83	1972872	218.80	ug/L	96
68) 2-nitropropane	6.435	41	825362	194.21	ug/L	91
69) epichlorohydrin	6.514	57	1576698	1026.51	ug/L	99
70) cis-1,3-dichloropropene	6.600	75	2496310	215.16	ug/L	91
71) 4-methyl-2-pentanone	6.697	58	4450273	787.97	ug/L #	72
72) isoamyl alcohol	6.733	70	2142268	4072.04	ug/L	98
75) toluene	6.849	92	4174301	200.55	ug/L	98
76) ethyl methacrylate	7.032	69	2212076	194.82	ug/L	93
77) trans-1,3-dichloropropene	7.007	75	2353177	211.29	ug/L	88
78) 1,1,2-trichloroethane	7.153	83	1208655	185.69	ug/L	95
79) tetrachloroethene	7.220	164	1643119	200.42	ug/L	97
80) 2-hexanone	7.287	58	4740215	720.96	ug/L	89
81) 1,3-dichloropropane	7.269	76	2233948	192.16	ug/L	91
82) butyl acetate	7.360	56	1503328	174.54	ug/L	97
83) dibromochloromethane	7.427	129	1946621	237.42	ug/L	96
84) 1,2-dibromoethane	7.512	107	1635385	209.96	ug/L	99
85) n-butyl ether	7.865	57	6767772	183.48	ug/L	100
86) chlorobenzene	7.835	112	4860787	211.19	ug/L	93
87) 1,1,1,2-tetrachloroethane	7.889	131	1942330	238.75	ug/L	97
88) ethylbenzene	7.889	91	7745064	202.49	ug/L	94
89) m,p-xylene	7.975	106	6588021	443.70	ug/L #	74
90) o-xylene	8.224	91	6360791	215.57	ug/L	97
91) styrene	8.236	104	5546974	223.96	ug/L	94
92) butyl acrylate	8.163	55	3692312	190.90	ug/L	98
93) n-amyl acetate	8.297	70	1305004	176.20	ug/L	95
94) isopropylbenzene	8.449	105	7544342	217.86	ug/L	96
95) bromoform	8.364	173	1574479	241.64	ug/L	97
96) cis-1,4-dichloro-2-butene	8.486	88	1044283	215.21	ug/L	95
99) 1,1,2,2-tetrachloroethane	8.638	83	2218826	173.57	ug/L	98
100) trans-1,4-dichloro-2-b...	8.656	53	776697	180.71	ug/L	90
101) 1,2,3-trichloropropane	8.680	110	716248	189.02	ug/L	87
102) bromobenzene	8.662	156	2106140	209.52	ug/L	85
103) n-propylbenzene	8.705	91	8153075	187.56	ug/L	95
104) 2-chlorotoluene	8.771	126	1849722	205.72	ug/L	92
105) 4-chlorotoluene	8.844	91	5209191	195.04	ug/L	96
106) 1,3,5-trimethylbenzene	8.808	105	6142565	205.23	ug/L	98
107) tert-butylbenzene	9.003	119	5485238	209.89	ug/L	95
108) 1,2,4-trimethylbenzene	9.039	105	6457896	212.03	ug/L	95
109) sec-butylbenzene	9.136	105	7290379	204.78	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V1r91\
 Data File : 1R02833.D
 Acq On : 29 Mar 2023 3:42 am
 Operator : Prashans
 Sample : IC0091-200
 Misc : MS67262,V1R0091,5,,,,,1
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 30 09:19:40 2023
 Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M
 Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
 QLast Update : Wed Mar 29 12:39:36 2023
 Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110)	p-isopropyltoluene	9.216	119	7291852	223.60	ug/L	98
111)	1,2,3-trimethylbenzene	9.282	105	6791719	209.22	ug/L	94
112)	1,3-dichlorobenzene	9.222	146	4527234	234.08	ug/L	95
113)	1,4-dichlorobenzene	9.276	146	4389179	222.18	ug/L	95
114)	1,2-dichlorobenzene	9.489	146	3994504	225.09	ug/L	98
115)	benzyl chloride	9.337	91	4896143	205.43	ug/L	98
116)	n-butylbenzene	9.453	92	2870969	195.83	ug/L	99
118)	1,2-dibromo-3-chloropr...	9.933	157	783950	226.33	ug/L	92
119)	1,3,5-trichlorobenzene	10.031	180	2607797	232.42	ug/L	97
120)	1,2,4-trichlorobenzene	10.384	180	2187365	229.12	ug/L	91
121)	hexachlorobutadiene	10.444	225	785621	230.59	ug/L	96
122)	naphthalene	10.536	128	7786221	226.35	ug/L	96
123)	1,2,3-trichlorobenzene	10.651	180	2104372	223.81	ug/L	95
124)	2-methylnaphthalene	11.132	142	1743472	115.97	ug/L	96

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

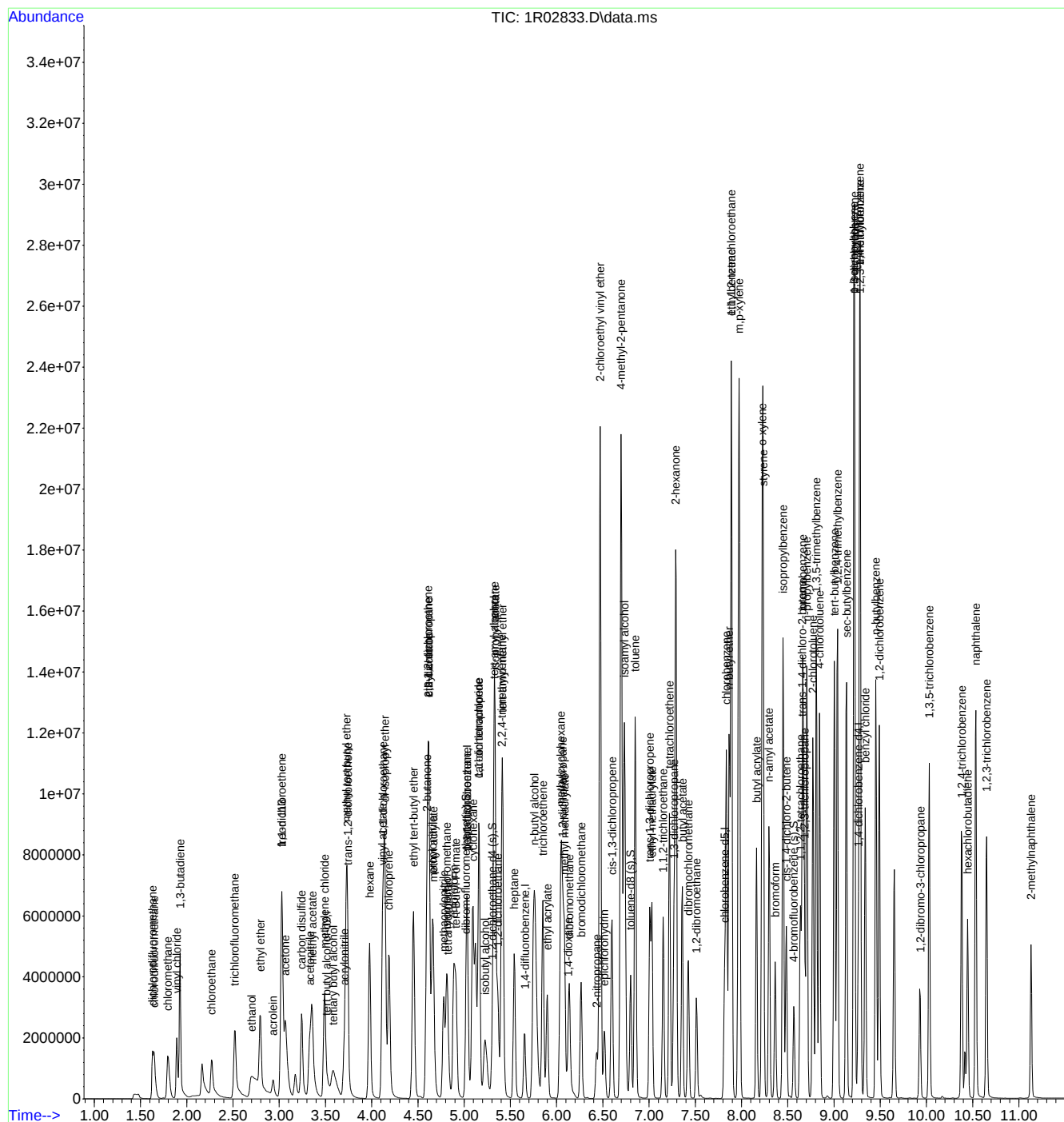
7.6.10

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V1r91\
Data File : 1R02833.D
Acq On : 29 Mar 2023 3:42 am
Operator : PrashanS
Sample : IC0091-200
Misc : MS67262,V1R0091,5,,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 30 09:19:40 2023
Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M
Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Wed Mar 29 12:39:36 2023
Response via : Initial Calibration



M1R0091.M Fri Mar 31 09:13:50 2023

Page: 4

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7.6.10

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V1r91\
 Data File : 1R02839.D
 Acq On : 29 Mar 2023 5:20 am
 Operator : Prashans
 Sample : ICV0091-50
 Misc : MS67262,V1R0091,5,,,,,1
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 30 09:17:23 2023
 Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M
 Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
 QLast Update : Wed Mar 29 12:39:36 2023
 Response via : Initial Calibration

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

Internal Standards						
1) tert butyl alcohol-d9	3.491	65	541895	500.00	ug/L	0.00
5) pentafluorobenzene	5.030	168	704790	50.00	ug/L	0.00
52) 1,4-difluorobenzene	5.651	114	989846	50.00	ug/L	0.00
73) chlorobenzene-d5	7.816	117	1009852	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	9.264	152	680734	50.00	ug/L	0.00
System Monitoring Compounds						
44) dibromofluoromethane (s)	5.018	113	319382	52.14	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	104.28%		
53) 1,2-dichloroethane-d4 (s)	5.298	65	293864	51.06	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery =	102.12%		
74) toluene-d8 (s)	6.801	98	1544616	55.39	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	110.78%		
98) 4-bromofluorobenzene (s)	8.565	174	438448	39.36	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	78.72%#		
Target Compounds						
						Qvalue
2) ethanol	2.688	45	459363	4699.24	ug/L	97
3) tertiary butyl alcohol	3.564	59	303305	223.12	ug/L	99
4) 1,4-dioxane	6.113	88	119496	1179.34	ug/L	96
7) dichlorodifluoromethane	1.636	85	183816	36.98	ug/L	98
8) chloromethane	1.800	50	283805	36.87	ug/L	99
9) vinyl chloride	1.897	62	295757	36.45	ug/L	97
10) 1,3-butadiene	1.928	54	314988	51.94	ug/L	97
11) bromomethane	2.183	94	155555	34.24	ug/L	95
12) chloroethane	2.287	64	157332	38.49	ug/L	98
13) trichlorofluoromethane	2.536	101	252434	40.58	ug/L	99
14) ethyl ether	2.798	74	125545	48.98	ug/L	92
15) acrolein	2.937	56	68482	46.42	ug/L	97
16) freon 113	3.041	151	162126	46.23	ug/L	91
17) 1,1-dichloroethene	3.035	96	182280	45.74	ug/L	92
18) acetone	3.065	58	175080	181.83	ug/L	98
19) acetonitrile	3.327	41	512809	395.33	ug/L	99
20) iodomethane	3.181	142	124254	44.22	ug/L	98
21) carbon disulfide	3.254	76	554401	47.37	ug/L	99
22) methylene chloride	3.497	84	216157	49.74	ug/L	98
23) methyl acetate	3.357	74	60904	46.90	ug/L	91
24) methyl tert butyl ether	3.728	73	614541	49.52	ug/L	99
25) trans-1,2-dichloroethene	3.740	96	215877	48.80	ug/L	97
26) hexane	3.984	56	122035	32.54	ug/L	90
27) di-isopropyl ether	4.142	45	889753	50.53	ug/L	98
28) 2-butanone	4.592	72	227836	201.30	ug/L	99
29) 1,1-dichloroethane	4.130	63	406879	48.99	ug/L	97
30) chloroprene	4.191	53	353805	49.44	ug/L	98
31) acrylonitrile	3.704	53	160214	49.84	ug/L	98
32) vinyl acetate	4.118	86	47286	41.74	ug/L #	91
33) ethyl tert-butyl ether	4.452	59	681784	49.02	ug/L	98
34) ethyl acetate	4.617	45	81057	51.07	ug/L #	90
35) 2,2-dichloropropane	4.623	77	281864	46.37	ug/L	97
36) cis-1,2-dichloroethene	4.610	96	243401	49.21	ug/L	88
37) propionitrile	4.653	54	716594	490.57	ug/L	91
38) methyl acrylate	4.665	85	63348	53.04	ug/L #	86
39) methacrylonitrile	4.775	67	153561	48.64	ug/L	88
40) bromochloromethane	4.811	128	109147	46.57	ug/L	94
41) tetrahydrofuran	4.817	42	184216	46.79	ug/L	98
42) chloroform	4.890	83	379905	46.75	ug/L	97
43) tert-Butyl Formate	4.909	59	168449	38.05	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V1r91\
 Data File : 1R02839.D
 Acq On : 29 Mar 2023 5:20 am
 Operator : Prashans
 Sample : ICV0091-50
 Misc : MS67262,V1R0091,5,,,,,1
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 30 09:17:23 2023
 Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M
 Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
 QLast Update : Wed Mar 29 12:39:36 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,1-trichloroethane	5.036	97	333275	47.58	ug/L	90
46) cyclohexane	5.097	84	272601	41.92	ug/L	93
47) isobutyl alcohol	5.213	43	287877	484.44	ug/L	97
48) 1,1-dichloropropene	5.164	75	292114	49.77	ug/L	99
49) carbon tetrachloride	5.164	117	291631	49.94	ug/L	98
50) tert-amyl alcohol	5.310	73	170901	242.44	ug/L	97
51) isopropyl acetate	5.334	87	76293	48.63	ug/L	96
54) n-butyl alcohol	5.742	56	931242	2506.10	ug/L	98
55) 2,2,4-trimethylpentane	5.407	57	682261	49.68	ug/L	98
56) benzene	5.328	78	929854	47.65	ug/L	97
57) tert-amyl methyl ether	5.413	73	656387	47.30	ug/L	98
58) heptane	5.541	57	140533	45.28	ug/L	94
59) 1,2-dichloroethane	5.365	62	286001	46.01	ug/L	99
60) ethyl acrylate	5.894	55	494789	49.21	ug/L	98
61) trichloroethene	5.851	95	236609	48.06	ug/L	98
62) 2-chloroethyl vinyl ether	6.466	63	1116977	264.06	ug/L	98
63) methyl methacrylate	6.083	100	102114	61.35	ug/L	91
64) methylcyclohexane	6.046	83	401438	51.47	ug/L	91
65) 1,2-dichloropropane	6.064	63	266827	49.65	ug/L	97
66) dibromomethane	6.131	93	163151	49.12	ug/L	97
67) bromodichloromethane	6.265	83	275588	46.54	ug/L	98
68) 2-nitropropane	6.429	41	131744	47.20	ug/L	99
69) epichlorohydrin	6.515	57	243681	241.57	ug/L	96
70) cis-1,3-dichloropropene	6.594	75	365894	48.02	ug/L	97
71) 4-methyl-2-pentanone	6.691	58	807155	217.62	ug/L	94
72) isoamyl alcohol	6.721	70	402961	1166.31	ug/L	95
75) toluene	6.849	92	684351	52.32	ug/L	94
76) ethyl methacrylate	7.032	69	330579	46.32	ug/L	97
77) trans-1,3-dichloropropene	7.007	75	351480	50.21	ug/L	96
78) 1,1,2-trichloroethane	7.153	83	195104	47.69	ug/L	95
79) tetrachloroethene	7.220	164	307562	59.69	ug/L	96
80) 2-hexanone	7.287	58	843165	204.05	ug/L	97
81) 1,3-dichloropropane	7.269	76	357984	49.00	ug/L	96
82) butyl acetate	7.354	56	281792	52.06	ug/L	92
83) dibromochloromethane	7.421	129	253956	49.28	ug/L	92
84) 1,2-dibromoethane	7.512	107	240088	49.04	ug/L	99
85) n-butyl ether	7.865	57	1227617	52.96	ug/L	100
86) chlorobenzene	7.835	112	682909	47.21	ug/L	99
87) 1,1,1,2-tetrachloroethane	7.889	131	287665	56.26	ug/L	95
88) ethylbenzene	7.889	91	1321713	54.98	ug/L	99
89) m,p-xylene	7.975	106	1064697	114.10	ug/L	99
90) o-xylene	8.224	91	1084446	58.48	ug/L	100
91) styrene	8.236	104	864425	55.53	ug/L	98
92) butyl acrylate	8.163	55	639774	52.63	ug/L	98
93) n-amyl acetate	8.297	70	275375	59.16	ug/L	96
94) isopropylbenzene	8.449	105	1316290	60.48	ug/L	99
95) bromoform	8.364	173	234043	57.15	ug/L	98
96) cis-1,4-dichloro-2-butene	8.480	88	177504	58.21	ug/L	92
99) 1,1,2,2-tetrachloroethane	8.632	83	406159	39.69	ug/L	93
100) trans-1,4-dichloro-2-b...	8.656	53	144227	41.92	ug/L	89
101) 1,2,3-trichloropropane	8.674	110	120316	39.67	ug/L #	84
102) bromobenzene	8.662	156	301243	37.44	ug/L	95
103) n-propylbenzene	8.705	91	1426638	41.00	ug/L	98
104) 2-chlorotoluene	8.772	126	288795	40.13	ug/L	88
105) 4-chlorotoluene	8.845	91	972752	45.50	ug/L	97
106) 1,3,5-trimethylbenzene	8.808	105	1093153	45.63	ug/L	95
107) tert-butylbenzene	9.003	119	848816	40.58	ug/L	96
108) 1,2,4-trimethylbenzene	9.033	105	1228710	50.40	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V1r91\
 Data File : 1R02839.D
 Acq On : 29 Mar 2023 5:20 am
 Operator : PrashanS
 Sample : ICV0091-50
 Misc : MS67262,V1R0091,5,,,,,1
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 30 09:17:23 2023
 Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M
 Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
 QLast Update : Wed Mar 29 12:39:36 2023
 Response via : Initial Calibration

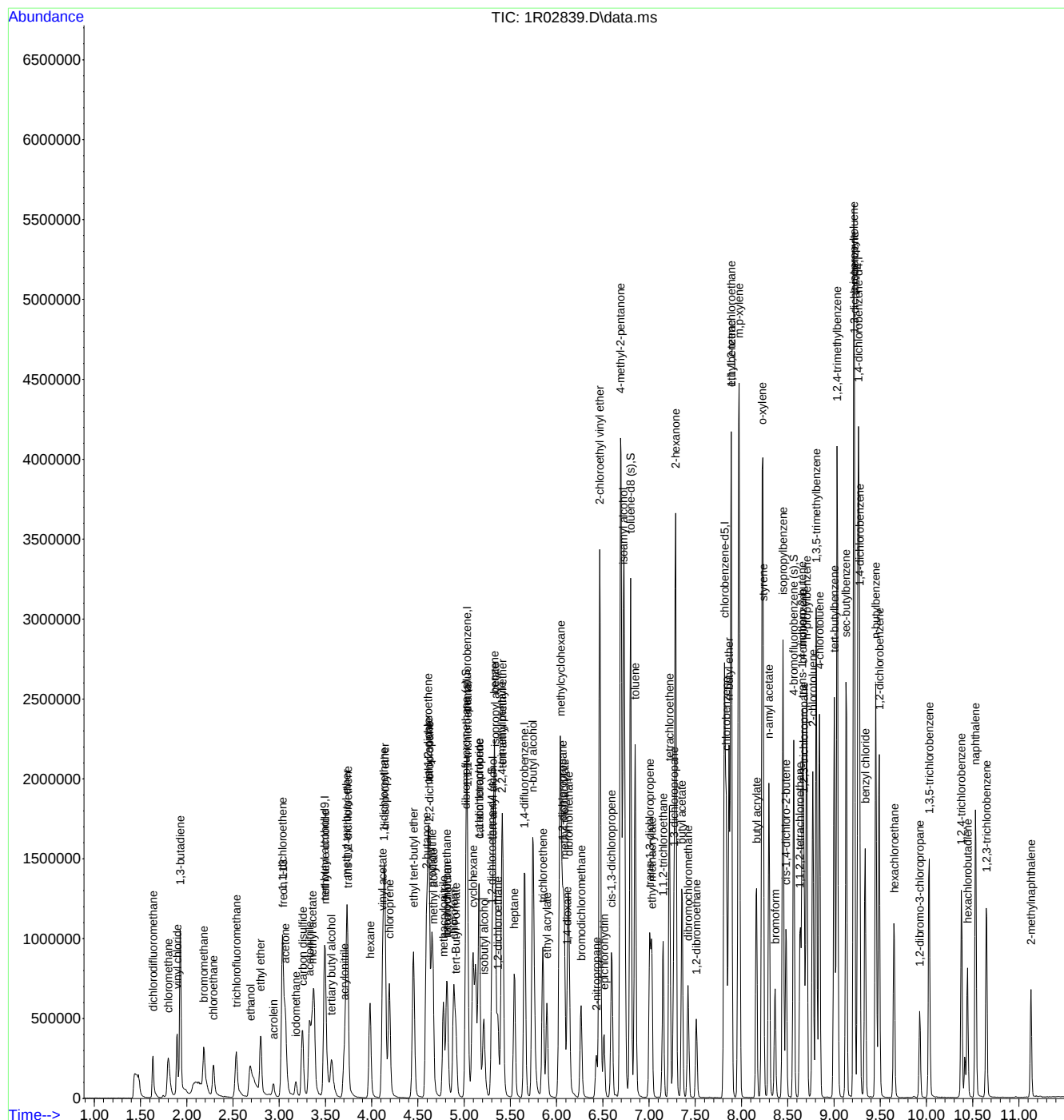
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
109)	sec-butylbenzene	9.131	105	1291072	45.31	ug/L	97
110)	p-isopropyltoluene	9.216	119	1299783	49.79	ug/L	99
112)	1,3-dichlorobenzene	9.222	146	750967	48.51	ug/L	99
113)	1,4-dichlorobenzene	9.277	146	750246	47.44	ug/L	97
114)	1,2-dichlorobenzene	9.489	146	663501	46.71	ug/L	99
115)	benzyl chloride	9.337	91	774415	40.59	ug/L	99
116)	n-butylbenzene	9.453	92	525347	44.77	ug/L	100
117)	hexachloroethane	9.654	201	125448	50.50	ug/L	97
118)	1,2-dibromo-3-chloropr...	9.927	157	100467	36.24	ug/L	95
119)	1,3,5-trichlorobenzene	10.031	180	335863	37.49	ug/L	99
120)	1,2,4-trichlorobenzene	10.378	180	283395	37.58	ug/L	95
121)	hexachlorobutadiene	10.445	225	100895	36.84	ug/L	95
122)	naphthalene	10.530	128	1018149	36.98	ug/L	97
123)	1,2,3-trichlorobenzene	10.651	180	272270	36.49	ug/L	96
124)	2-methylnaphthalene	11.132	142	226899	18.86	ug/L	97

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

Quantitation Report (QT Reviewed)

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Data Path : C:\msdchem\1\data\V1r91\  
Data File : 1R02839.D  
Acq On : 29 Mar 2023 5:20 am  
Operator : PrashanS  
Sample : ICV0091-50  
Misc : MS67262,V1R0091,5,,,,,1  
ALS Vial : 14 Sample Multiplier: 1
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Quant Time: Mar 30 09:17:23 2023
Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M
Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Wed Mar 29 12:39:36 2023
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V1r91\
 Data File : 1R02841.D
 Acq On : 29 Mar 2023 5:53 am
 Operator : Prashans
 Sample : ICV0091-50
 Misc : MS67262,V1R0091,5,,,,,1
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 30 09:10:23 2023
 Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M
 Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
 QLast Update : Wed Mar 29 12:39:36 2023
 Response via : Initial Calibration

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

Internal Standards						
1) tert butyl alcohol-d9	3.491	65	565330	500.00	ug/L	0.00
5) pentafluorobenzene	5.030	168	654176	50.00	ug/L	0.00
52) 1,4-difluorobenzene	5.657	114	923767	50.00	ug/L	0.00
73) chlorobenzene-d5	7.817	117	886053	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	9.264	152	399541	50.00	ug/L	0.00
System Monitoring Compounds						
44) dibromofluoromethane (s)	5.018	113	288893	50.81	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	101.62%		
53) 1,2-dichloroethane-d4 (s)	5.304	65	261660	48.72	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery =	97.44%		
74) toluene-d8 (s)	6.801	98	1182124	48.31	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	96.62%		
98) 4-bromofluorobenzene (s)	8.565	174	345539	52.85	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	105.70%		
Target Compounds						
6) chlorodifluoromethane	1.654	51	282731	56.64	ug/L	99
19) acetonitrile	3.333	41	650255	540.07	ug/L	99
31) acrylonitrile	3.698	53	156426	52.42	ug/L	91
79) tetrachloroethene	7.220	164	175720	38.87	ug/L	96
111) 1,2,3-trimethylbenzene	9.283	105	786079	51.54	ug/L	98

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

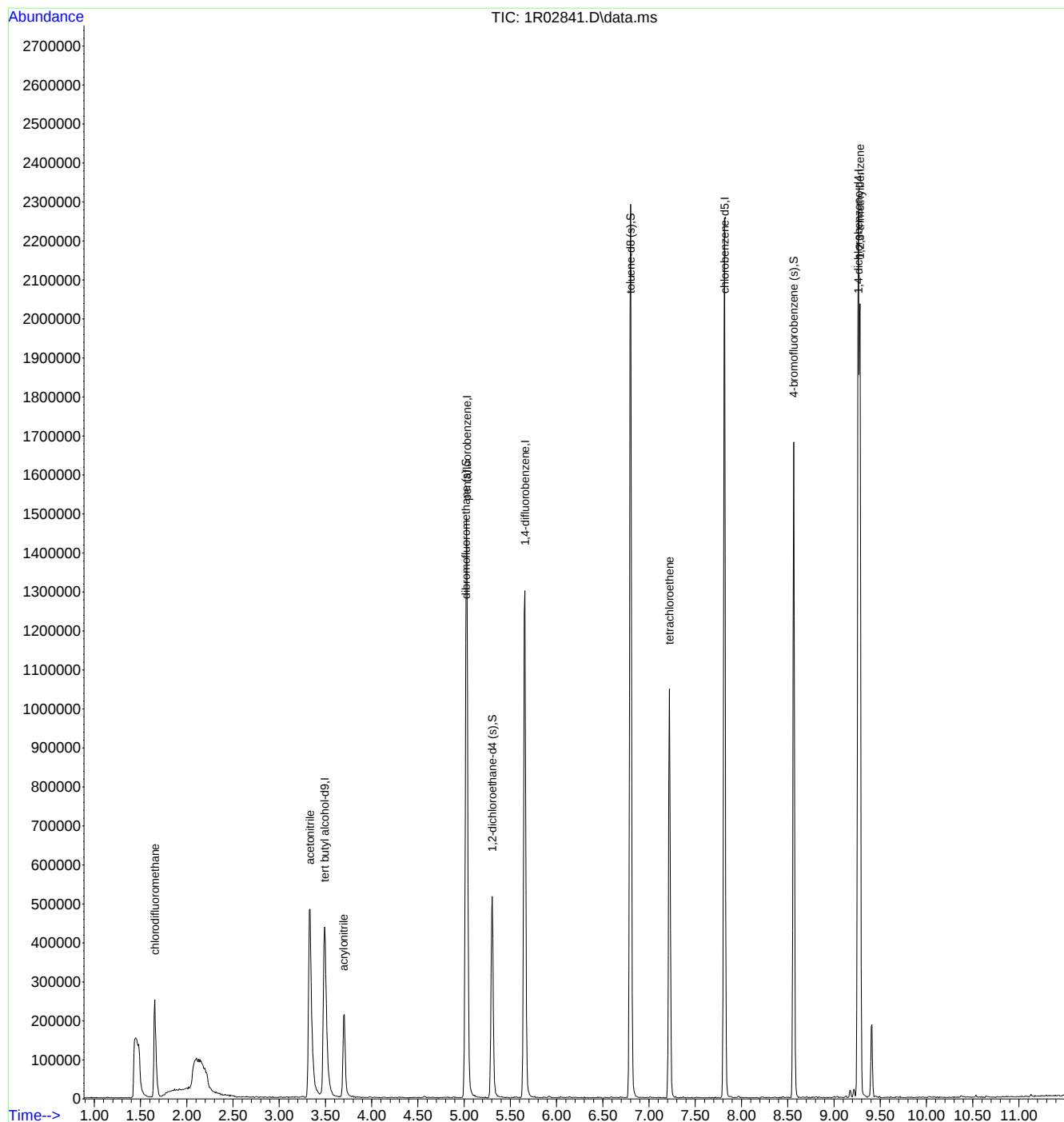
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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V1r91\
Data File : 1R02841.D
Acq On : 29 Mar 2023 5:53 am
Operator : PrashanS
Sample : ICV0091-50
Misc : MS67262,V1R0091,5,,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 30 09:10:23 2023
Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M
Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Wed Mar 29 12:39:36 2023
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V1r91\
 Data File : 1R02847.D
 Acq On : 29 Mar 2023 5:25 pm
 Operator : Prashans
 Sample : icv0091-50
 Misc : MS67262,V2R0091,5,,,,,1
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 30 09:22:51 2023
 Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M
 Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
 QLast Update : Wed Mar 29 12:39:36 2023
 Response via : Initial Calibration

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

Internal Standards						
1) tert butyl alcohol-d9	3.479	65	445107	500.00	ug/L	-0.01
5) pentafluorobenzene	5.018	168	563508	50.00	ug/L	-0.01
52) 1,4-difluorobenzene	5.645	114	785396	50.00	ug/L	-0.01
73) chlorobenzene-d5	7.810	117	733917	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	9.258	152	342913	50.00	ug/L	0.00
System Monitoring Compounds						
44) dibromofluoromethane (s)	5.006	113	244740	49.97	ug/L	-0.01
Spiked Amount 50.000	Range 80 - 120		Recovery =	99.94%		
53) 1,2-dichloroethane-d4 (s)	5.292	65	212176	46.47	ug/L	-0.01
Spiked Amount 50.000	Range 81 - 124		Recovery =	92.94%		
74) toluene-d8 (s)	6.794	98	980663	48.39	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	96.78%		
98) 4-bromofluorobenzene (s)	8.565	174	293509	52.31	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	104.62%		
Target Compounds						Qvalue
7) dichlorodifluoromethane	1.629	85	196088	49.34	ug/L	98
8) chloromethane	1.800	50	339197	58.02	ug/L	99
9) vinyl chloride	1.891	62	328739	50.67	ug/L	97
11) bromomethane	2.183	94	148058	40.77	ug/L	99
12) chloroethane	2.280	64	140189	42.90	ug/L	98
13) trichlorofluoromethane	2.530	101	234470	47.14	ug/L	97

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

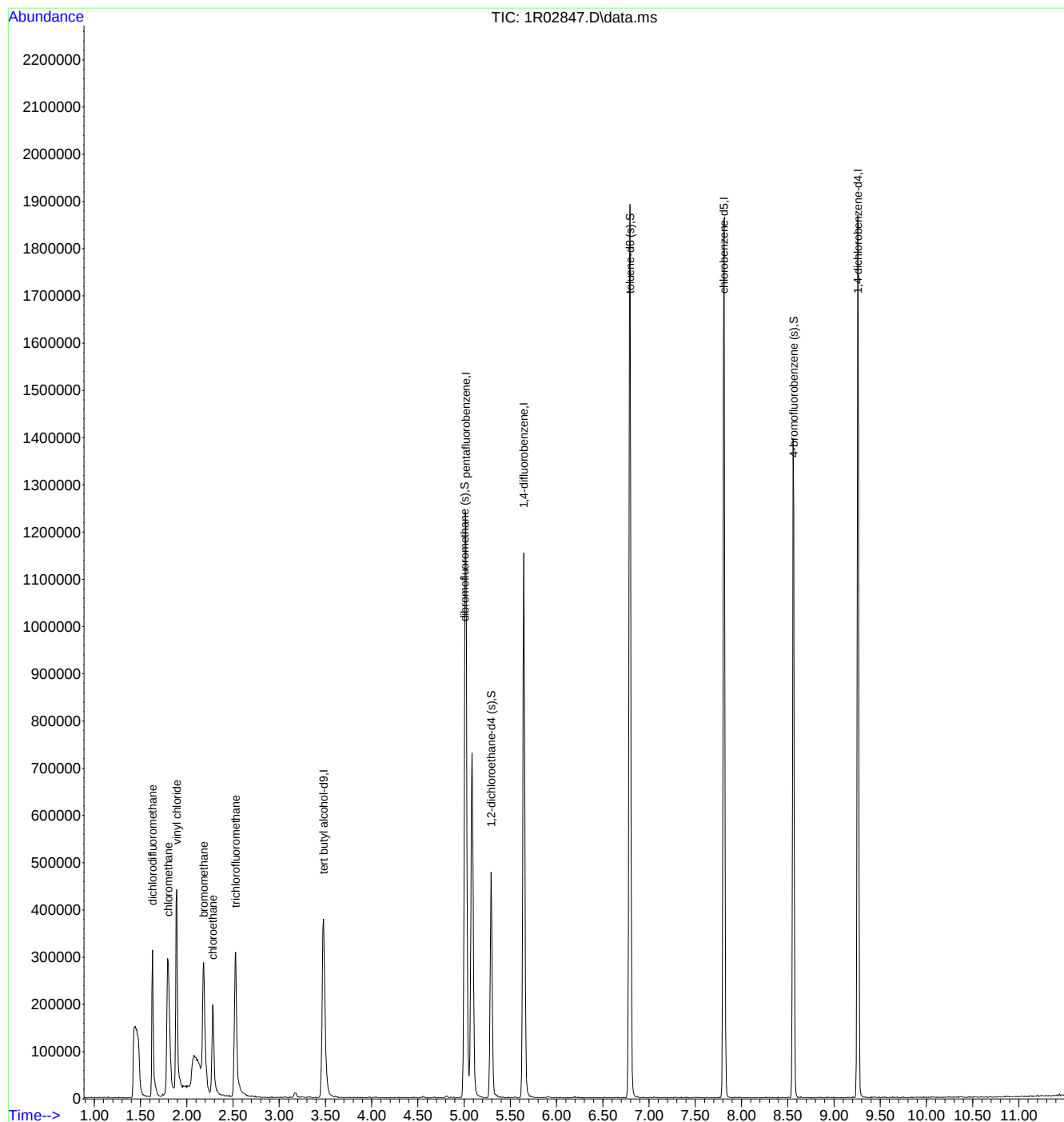
7.6.13

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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V1r91\
Data File : 1R02847.D
Acq On : 29 Mar 2023 5:25 pm
Operator : PrashanS
Sample : icv0091-50
Misc : MS67262,V2R0091,5,,,,,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 30 09:22:51 2023
Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M
Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Wed Mar 29 12:39:36 2023
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Mei 04-06-2023\VR0100\
 Data File : 1R03013.D
 Acq On : 4 Apr 2023 9:38 am
 Operator : nickw
 Sample : cc91-20
 Misc : MS67909,V1R0100,5,,,,,1
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 04 09:50:11 2023

Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M

Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um

QLast Update : Wed Mar 29 12:39:36 2023

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) tert butyl alcohol-d9	3.479	65	649271	500.00	ug/L	-0.01
5) pentafluorobenzene	5.018	168	688798	50.00	ug/L	-0.01
52) 1,4-difluorobenzene	5.645	114	1060871	50.00	ug/L	-0.01
73) chlorobenzene-d5	7.810	117	1047884	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	9.258	152	522573	50.00	ug/L	0.00

System Monitoring Compounds

44) dibromofluoromethane (s)	5.012	113	324490	54.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.40%
53) 1,2-dichloroethane-d4 (s)	5.292	65	320005	51.88	ug/L	-0.01
Spiked Amount	50.000	Range	81 - 124	Recovery	=	103.76%
74) toluene-d8 (s)	6.794	98	1359764	46.99	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.98%
98) 4-bromofluorobenzene (s)	8.559	174	435345	50.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.82%

Target Compounds

						Qvalue
2) ethanol	2.676	45	249673	2131.73	ug/L	97
3) tertiary butyl alcohol	3.558	59	152459	93.60	ug/L	99
4) 1,4-dioxane	6.107	88	55787	459.52	ug/L	94
6) chlorodifluoromethane	1.648	51	86104	16.38	ug/L	97
7) dichlorodifluoromethane	1.629	85	101245	20.84	ug/L	99
8) chloromethane	1.794	50	130491	16.34	ug/L	98
9) vinyl chloride	1.891	62	112717	14.21	ug/L	99
10) 1,3-butadiene	1.928	54	72006	12.15	ug/L	95
11) bromomethane	2.183	94	66569	14.99	ug/L	98
12) chloroethane	2.287	64	64073	16.04	ug/L	98
13) trichlorofluoromethane	2.530	101	132897	21.86	ug/L	98
14) ethyl ether	2.791	74	49719	19.85	ug/L	90
15) acrolein	2.931	56	30412	21.10	ug/L	89
16) freon 113	3.029	151	64322	18.77	ug/L	98
17) 1,1-dichloroethene	3.029	96	77879	20.00	ug/L	97
18) acetone	3.059	58	96156	102.18	ug/L	95
19) acetonitrile	3.321	41	282983	223.22	ug/L	98
20) iodomethane	3.175	142	28127	12.53	ug/L	98
21) carbon disulfide	3.242	76	203823	17.82	ug/L	98
22) methylene chloride	3.485	84	88078	20.74	ug/L	96
23) methyl acetate	3.351	74	26223	20.66	ug/L #	81
24) methyl tert butyl ether	3.716	73	252377	20.81	ug/L	98
25) trans-1,2-dichloroethene	3.734	96	84681	19.59	ug/L	95
26) hexane	3.972	56	70014	19.10	ug/L	96
27) di-isopropyl ether	4.130	45	347350	20.18	ug/L	99
28) 2-butanone	4.580	72	102032	92.24	ug/L	99
29) 1,1-dichloroethane	4.118	63	157131	19.36	ug/L	97
30) chloroprene	4.178	53	140080	20.03	ug/L	98
31) acrylonitrile	3.692	53	66317	21.11	ug/L	98
32) vinyl acetate	4.105	86	23132	20.89	ug/L #	84
33) ethyl tert-butyl ether	4.440	59	293401	21.59	ug/L	95
34) ethyl acetate	4.604	45	29265	18.86	ug/L #	91
35) 2,2-dichloropropane	4.610	77	124268	20.92	ug/L	93
36) cis-1,2-dichloroethene	4.604	96	99584	20.60	ug/L	90
37) propionitrile	4.641	54	295196	206.78	ug/L	96
38) methyl acrylate	4.653	85	24121	20.67	ug/L #	82
39) methacrylonitrile	4.769	67	63022	20.42	ug/L	96
40) bromochloromethane	4.805	128	48635	21.23	ug/L #	84
41) tetrahydrofuran	4.811	42	68825	17.89	ug/L	97
42) chloroform	4.878	83	158879	20.00	ug/L	98
43) tert-Butyl Formate	4.902	59	94927	21.94	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Mei 04-06-2023\VR0100\
 Data File : 1R03013.D
 Acq On : 4 Apr 2023 9:38 am
 Operator : nickw
 Sample : cc91-20
 Misc : MS67909,V1R0100,5,,,1
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 04 09:50:11 2023
 Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M
 Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
 QLast Update : Wed Mar 29 12:39:36 2023
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,1-trichloroethane	5.024	97	133252	19.47	ug/L #	5
46) cyclohexane	5.085	84	129351	20.35	ug/L	85
47) isobutyl alcohol	5.201	43	131780	226.91	ug/L	98
48) 1,1-dichloropropene	5.152	75	116349	20.28	ug/L	99
49) carbon tetrachloride	5.152	117	117315	20.56	ug/L	94
50) tert-amyl alcohol	5.298	73	79293	115.10	ug/L	96
51) isopropyl acetate	5.322	87	31551	20.58	ug/L #	91
54) n-butyl alcohol	5.730	56	404525	1015.75	ug/L	98
55) 2,2,4-trimethylpentane	5.401	57	249928	16.98	ug/L	97
56) benzene	5.316	78	357324	17.08	ug/L	97
57) tert-amyl methyl ether	5.407	73	280217	18.84	ug/L	98
58) heptane	5.535	57	55979	16.83	ug/L	89
59) 1,2-dichloroethane	5.353	62	124407	18.67	ug/L	93
60) ethyl acrylate	5.888	55	191145	17.74	ug/L	99
61) trichloroethene	5.839	95	97244	18.43	ug/L	100
62) 2-chloroethyl vinyl ether	6.460	63	402440	88.77	ug/L	100
63) methyl methacrylate	6.070	100	33845	18.97	ug/L #	90
64) methylcyclohexane	6.040	83	141682	16.95	ug/L	99
65) 1,2-dichloropropane	6.052	63	98162	17.04	ug/L	97
66) dibromomethane	6.125	93	63836	17.93	ug/L	98
67) bromodichloromethane	6.253	83	118250	18.63	ug/L	99
68) 2-nitropropane	6.423	41	53289	17.81	ug/L	92
69) epichlorohydrin	6.502	57	111968	103.57	ug/L	98
70) cis-1,3-dichloropropene	6.588	75	151093	18.50	ug/L	96
71) 4-methyl-2-pentanone	6.685	58	288058	72.46	ug/L	98
72) isoamyl alcohol	6.715	70	142804	385.65	ug/L	96
75) toluene	6.843	92	236969	17.46	ug/L	98
76) ethyl methacrylate	7.020	69	143509	19.38	ug/L	99
77) trans-1,3-dichloropropene	7.001	75	143450	19.75	ug/L	97
78) 1,1,2-trichloroethane	7.147	83	77870	18.34	ug/L	95
79) tetrachloroethene	7.214	164	94952	17.76	ug/L	95
80) 2-hexanone	7.281	58	323216	75.38	ug/L	95
81) 1,3-dichloropropane	7.263	76	142783	18.83	ug/L	98
82) butyl acetate	7.348	56	103452	18.42	ug/L	95
83) dibromochloromethane	7.415	129	105605	19.75	ug/L	99
84) 1,2-dibromoethane	7.506	107	106315	20.93	ug/L	96
85) n-butyl ether	7.859	57	410303	17.06	ug/L	99
86) chlorobenzene	7.829	112	276155	18.40	ug/L	95
87) 1,1,1,2-tetrachloroethane	7.883	131	96259	18.14	ug/L	99
88) ethylbenzene	7.883	91	447245	17.93	ug/L	99
89) m,p-xylene	7.969	106	349303	36.07	ug/L	97
90) o-xylene	8.218	91	350219	18.20	ug/L	98
91) styrene	8.230	104	297520	18.42	ug/L	95
92) butyl acrylate	8.157	55	237949	18.86	ug/L	98
93) n-amyl acetate	8.291	70	84897	17.58	ug/L	94
94) isopropylbenzene	8.443	105	435640	19.29	ug/L	98
95) bromoform	8.358	173	76525	18.01	ug/L	97
96) cis-1,4-dichloro-2-butene	8.480	88	60960	19.26	ug/L	94
99) 1,1,2,2-tetrachloroethane	8.632	83	149563	19.04	ug/L	96
100) trans-1,4-dichloro-2-b...	8.650	53	49796	18.85	ug/L	94
101) 1,2,3-trichloropropane	8.674	110	48595	20.87	ug/L	94
102) bromobenzene	8.656	156	121700	19.70	ug/L	93
103) n-propylbenzene	8.699	91	511242	19.14	ug/L	99
104) 2-chlorotoluene	8.765	126	113856	20.61	ug/L	93
105) 4-chlorotoluene	8.838	91	309613	18.87	ug/L	95
106) 1,3,5-trimethylbenzene	8.802	105	351890	19.13	ug/L	99
107) tert-butylbenzene	8.997	119	311545	19.40	ug/L	98
108) 1,2,4-trimethylbenzene	9.033	105	365862	19.55	ug/L	97

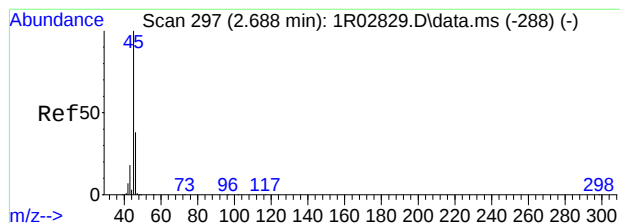
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Mei 04-06-2023\VR0100\
Data File : 1R03013.D
Acq On : 4 Apr 2023 9:38 am
Operator : nickw
Sample : cc91-20
Misc : MS67909,V1R0100,5,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 04 09:50:11 2023
Quant Method : C:\MSDCHEM\1\METHODS\M1R0091.M
Quant Title : SW846 8260D, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Wed Mar 29 12:39:36 2023
Response via : Initial Calibration

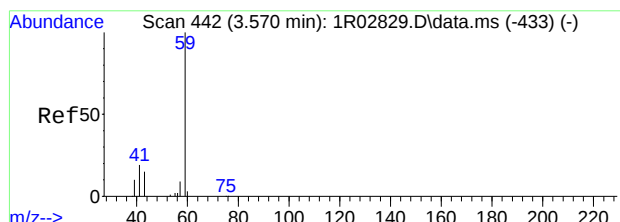
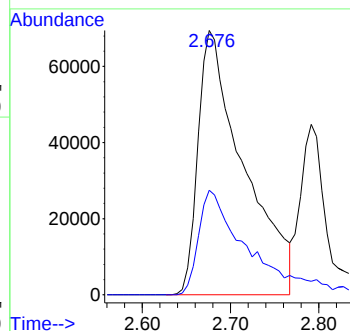
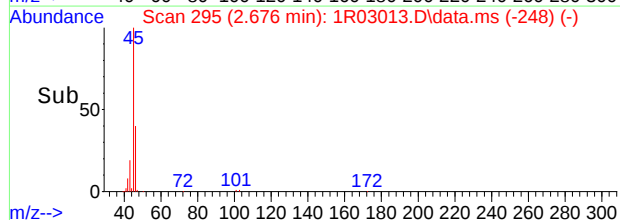
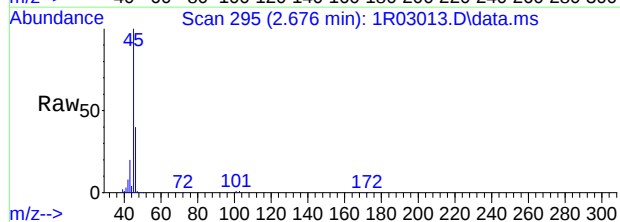
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
109) sec-butylbenzene	9.131	105	433894	19.83	ug/L	97
110) p-isopropyltoluene	9.210	119	378667	18.90	ug/L	99
111) 1,2,3-trimethylbenzene	9.277	105	369350	18.52	ug/L	99
112) 1,3-dichlorobenzene	9.216	146	221255	18.62	ug/L	98
113) 1,4-dichlorobenzene	9.270	146	217117	17.89	ug/L	99
114) 1,2-dichlorobenzene	9.483	146	217376	19.93	ug/L	99
115) benzyl chloride	9.331	91	315335	21.53	ug/L	99
116) n-butylbenzene	9.447	92	165718	18.40	ug/L	98
117) hexachloroethane	9.648	201	38944	20.42	ug/L	94
118) 1,2-dibromo-3-chloropr...	9.927	157	47591	22.36	ug/L	93
119) 1,3,5-trichlorobenzene	10.025	180	135311	19.67	ug/L	96
120) 1,2,4-trichlorobenzene	10.378	180	114984	19.86	ug/L	90
121) hexachlorobutadiene	10.445	225	39763	18.91	ug/L	98
122) naphthalene	10.530	128	432371	20.46	ug/L	99
123) 1,2,3-trichlorobenzene	10.645	180	113211	19.77	ug/L	92
124) 2-methylnaphthalene	11.132	142	96658	10.46	ug/L	97

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



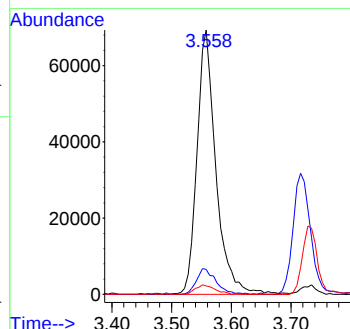
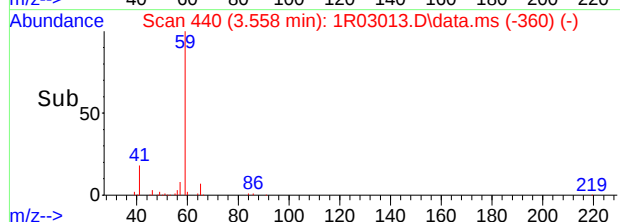
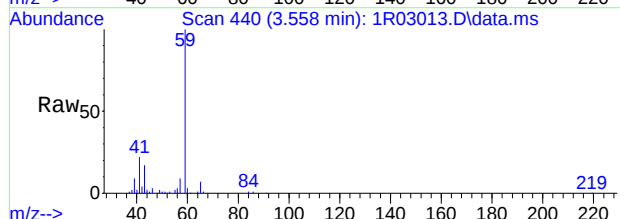
#2
ethanol
Concen: 2131.73 ug/L
RT: 2.676 min Scan# 295
Delta R.T. -0.012 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

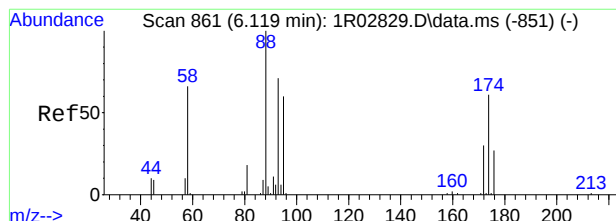
Tgt Ion: 45 Resp: 249673
Ion Ratio Lower Upper
45 100
46 39.6 17.8 57.8



#3
tertiary butyl alcohol
Concen: 93.60 ug/L
RT: 3.558 min Scan# 440
Delta R.T. -0.012 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

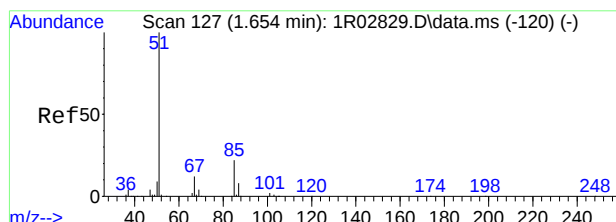
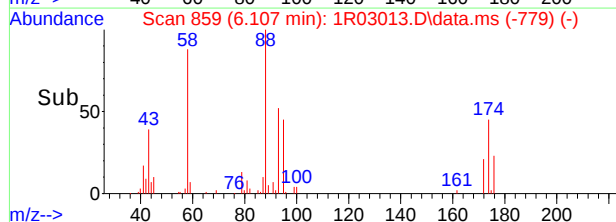
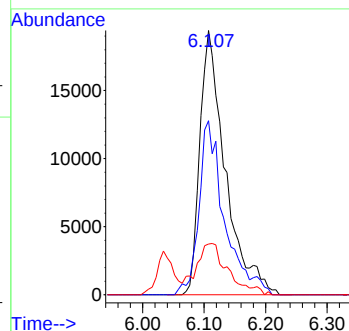
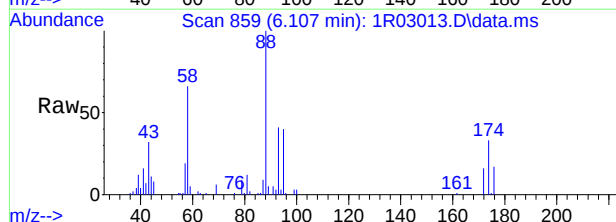
Tgt Ion: 59 Resp: 152459
Ion Ratio Lower Upper
59 100
57 9.0 0.0 39.1
60 3.2 0.0 32.9





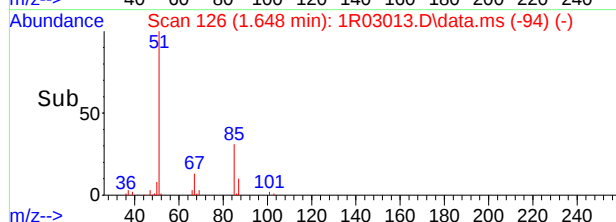
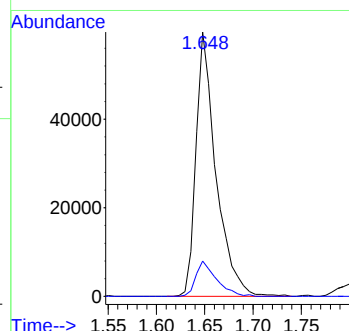
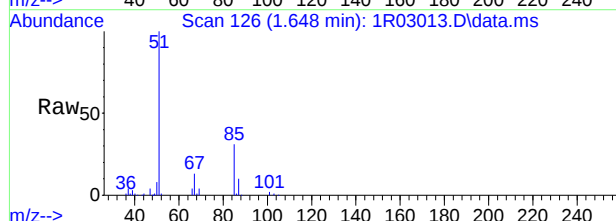
#4
1,4-dioxane
Concen: 459.52 ug/L
RT: 6.107 min Scan# 859
Delta R.T. -0.012 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

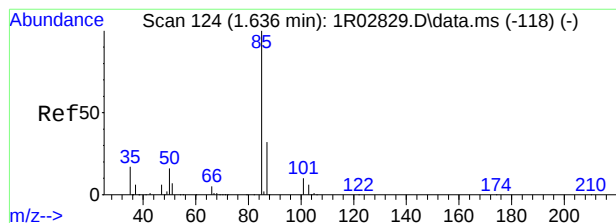
Tgt Ion	Ratio	Lower	Upper
88	100		
58	65.9	37.9	97.9
57	19.2	0.0	56.5



#6
chlorodifluoromethane
Concen: 16.38 ug/L
RT: 1.648 min Scan# 126
Delta R.T. -0.006 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

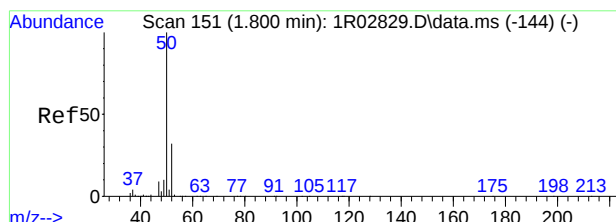
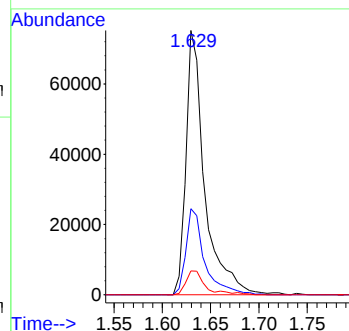
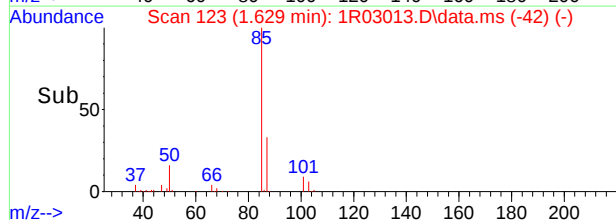
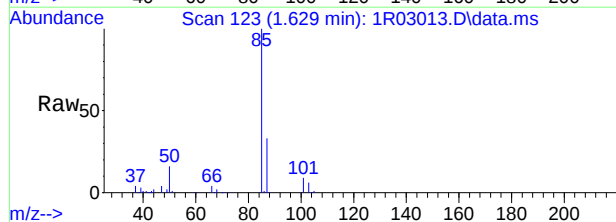
Tgt Ion	Ratio	Lower	Upper
51	100		
67	13.4	0.0	42.3





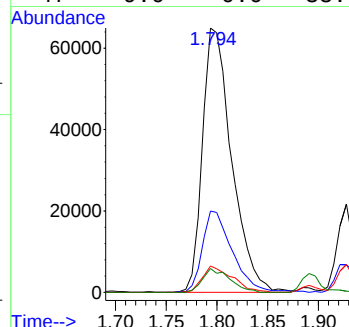
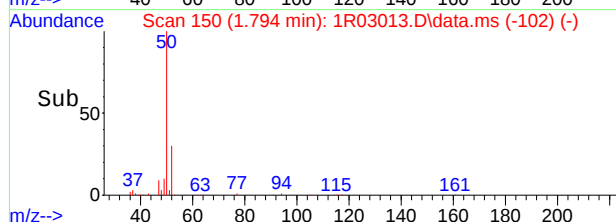
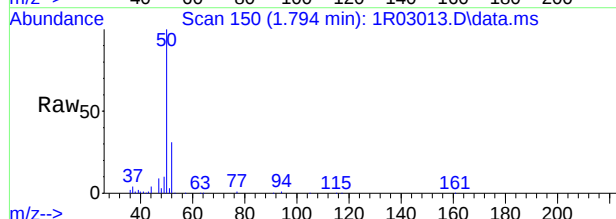
#7
dichlorodifluoromethane
Concen: 20.84 ug/L
RT: 1.629 min Scan# 123
Delta R.T. -0.007 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

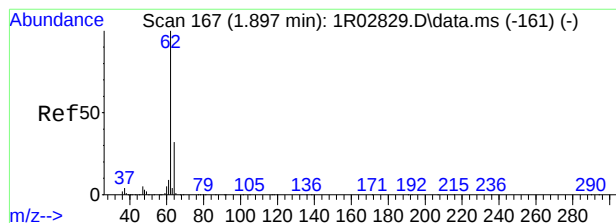
Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.5	2.0	62.0
101	9.1	0.0	40.1



#8
chloromethane
Concen: 16.34 ug/L
RT: 1.794 min Scan# 150
Delta R.T. -0.006 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

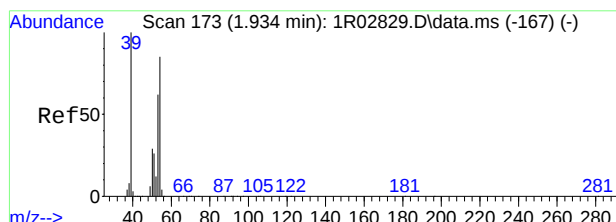
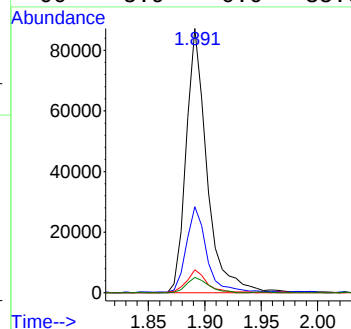
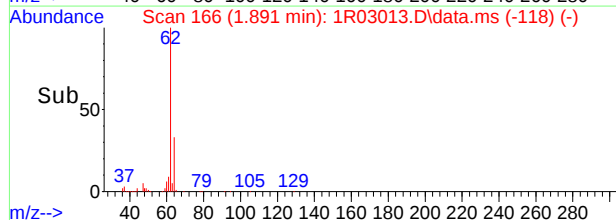
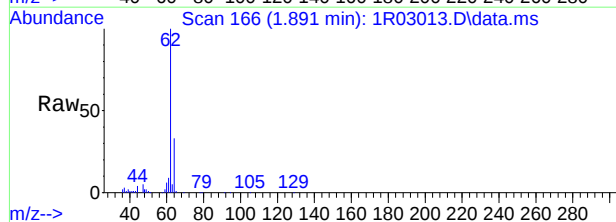
Tgt Ion	Ratio	Lower	Upper
50	100		
52	30.7	2.4	62.4
49	10.0	0.0	40.3
47	9.0	0.0	38.7





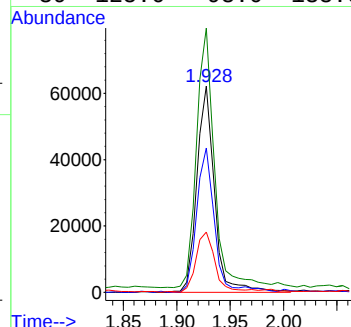
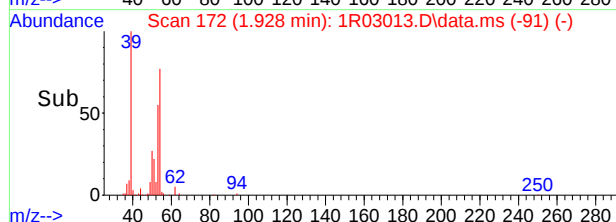
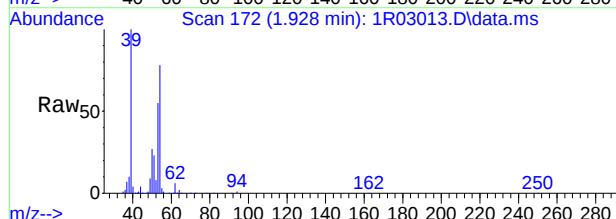
#9
vinyl chloride
Concen: 14.21 ug/L
RT: 1.891 min Scan# 166
Delta R.T. -0.006 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

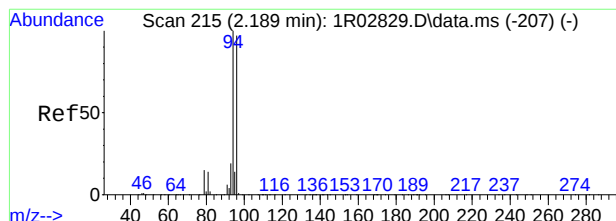
Tgt Ion	Ratio	Lower	Upper
62	100		
64	32.3	2.7	62.7
61	8.8	0.0	39.1
60	5.9	0.0	35.6



#10
1,3-butadiene
Concen: 12.15 ug/L
RT: 1.928 min Scan# 172
Delta R.T. -0.006 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

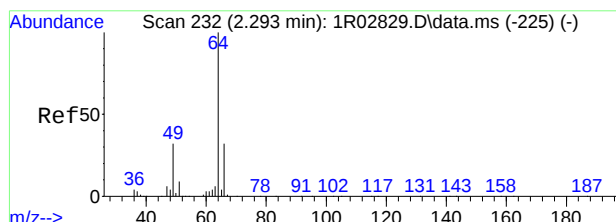
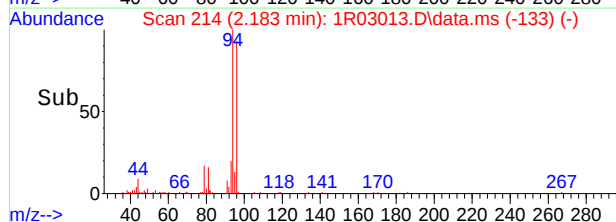
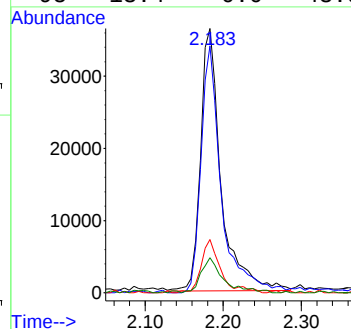
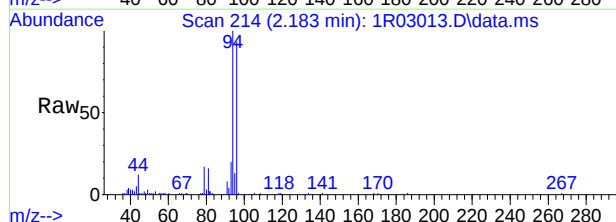
Tgt Ion	Ratio	Lower	Upper
54	100		
53	70.0	52.9	92.9
51	28.9	10.6	50.6
39	125.6	98.0	138.0





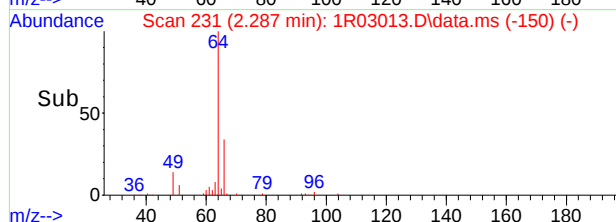
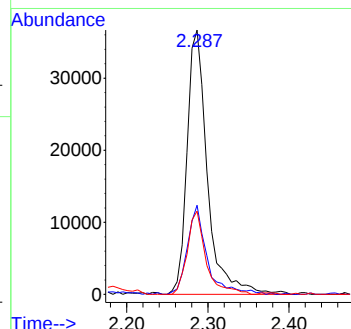
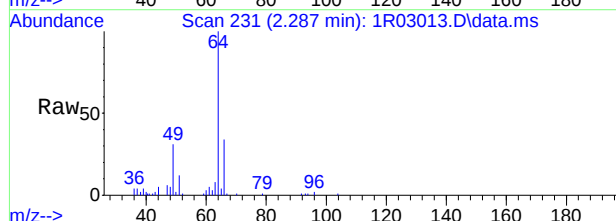
#11
bromomethane
Concen: 14.99 ug/L
RT: 2.183 min Scan# 214
Delta R.T. -0.006 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

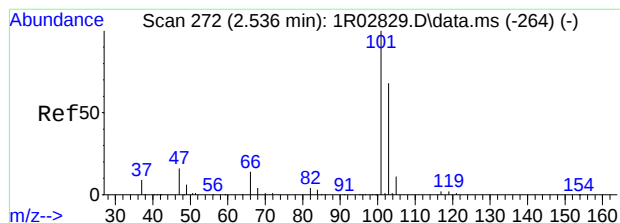
Tgt	Ion: 94	Resp:	66569
Ion	Ratio	Lower	Upper
94	100		
96	93.7	66.4	126.4
93	19.7	0.0	49.0
95	13.4	0.0	43.9



#12
chloroethane
Concen: 16.04 ug/L
RT: 2.287 min Scan# 231
Delta R.T. -0.006 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

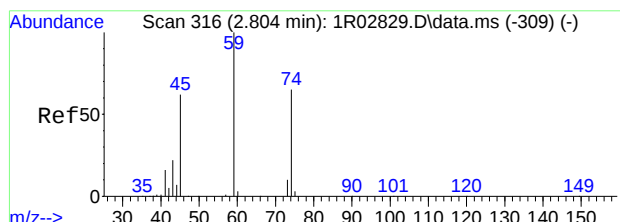
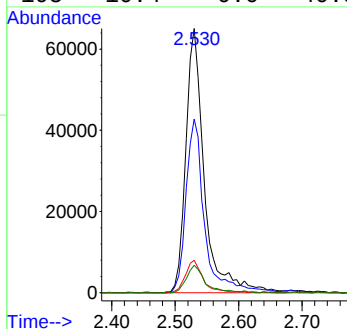
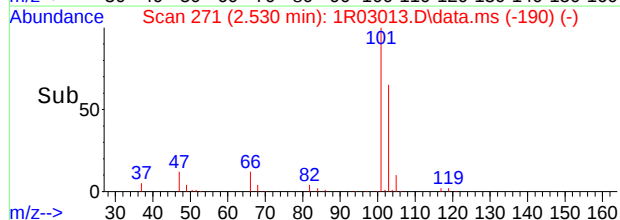
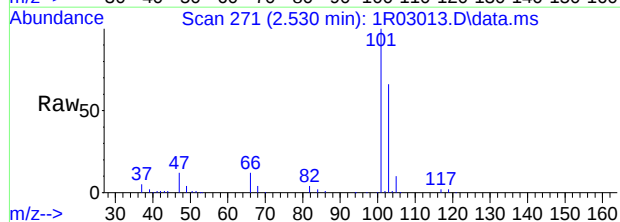
Tgt Ion: 64	Resp: 64073
Ion Ratio	Lower Upper
64 100	
66 33.7	1.8 61.8
49 31.5	2.2 62.2





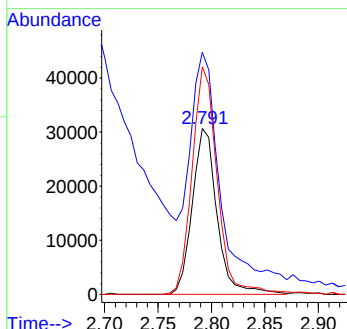
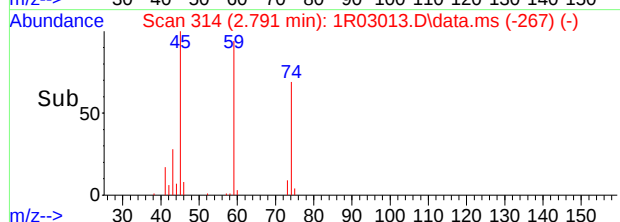
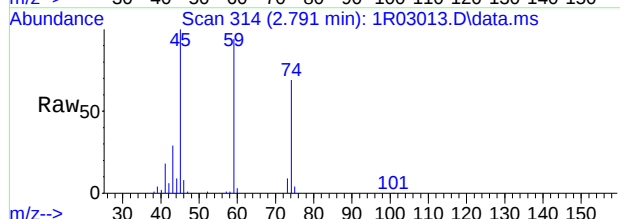
#13
trichlorofluoromethane
Concen: 21.86 ug/L
RT: 2.530 min Scan# 271
Delta R.T. -0.006 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

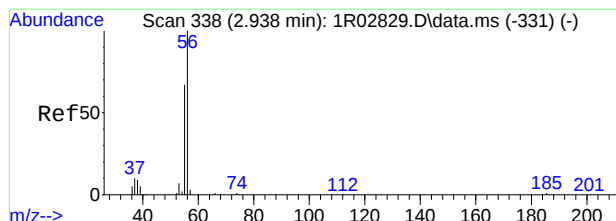
Tgt Ion:	101	Resp:	132897
Ion	Ratio	Lower	Upper
101	100		
103	65.7	37.5	97.5
66	12.4	0.0	43.5
105	10.4	0.0	40.8



#14
ethyl ether
Concen: 19.85 ug/L
RT: 2.791 min Scan# 314
Delta R.T. -0.013 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

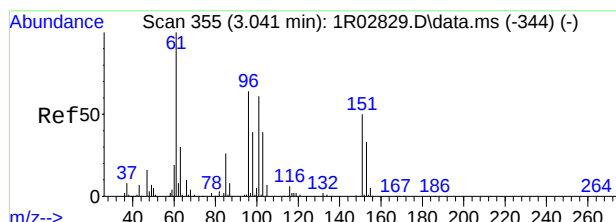
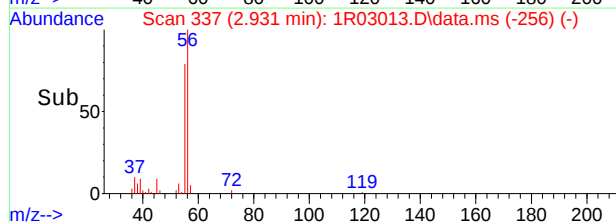
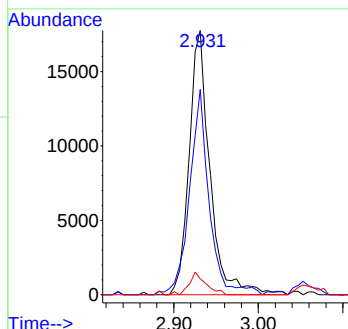
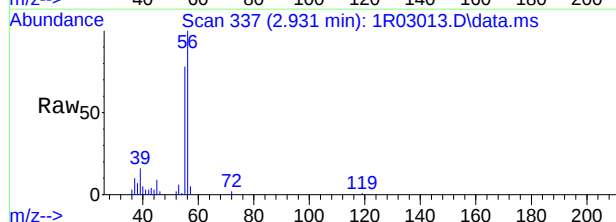
Tgt Ion:	74	Resp:	49719
Ion	Ratio	Lower	Upper
74	100		
45	137.1	114.8	174.8
59	137.1	124.4	184.4





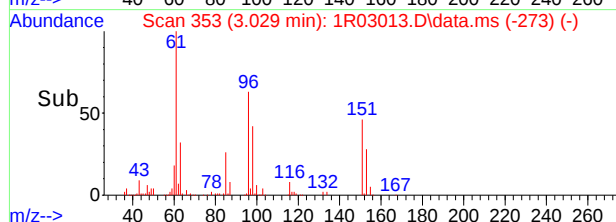
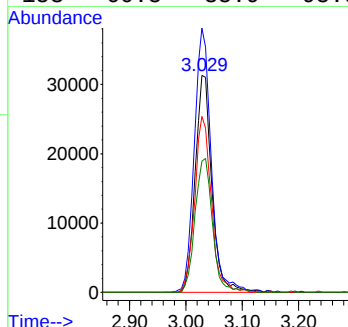
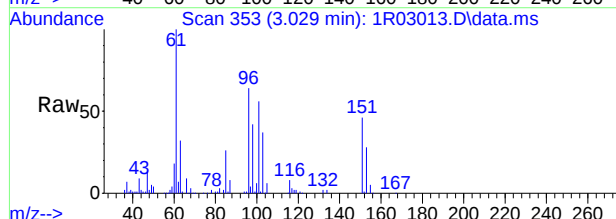
#15
acrolein
Concen: 21.10 ug/L
RT: 2.931 min Scan# 337
Delta R.T. -0.007 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

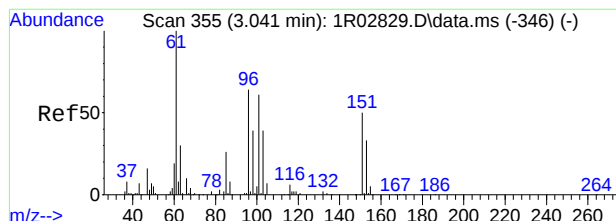
Tgt Ion	Ratio	Lower	Upper
56	100		
55	77.7	37.7	97.7
53	6.1	0.0	36.8



#16
freon 113
Concen: 18.77 ug/L
RT: 3.029 min Scan# 353
Delta R.T. -0.012 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

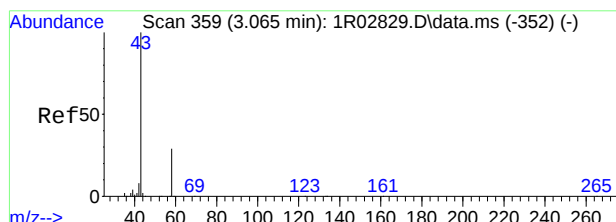
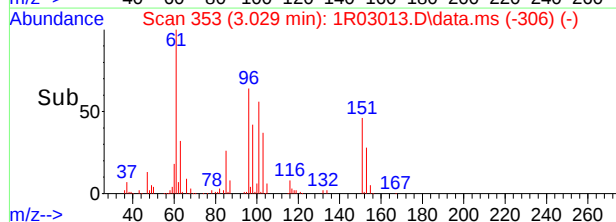
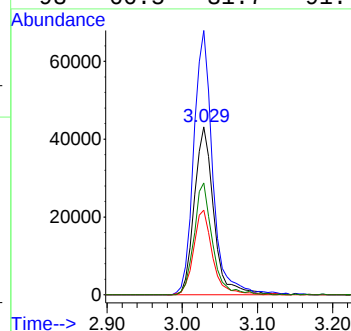
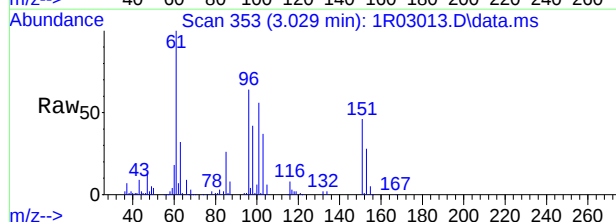
Tgt Ion	Ratio	Lower	Upper
151	100		
101	121.9	92.0	152.0
103	81.2	49.1	109.1
153	60.5	35.9	95.9





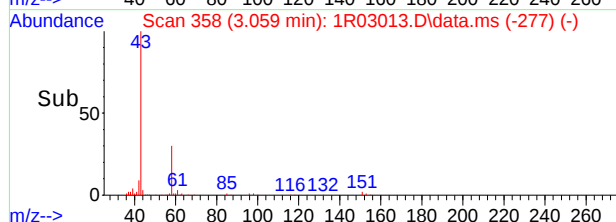
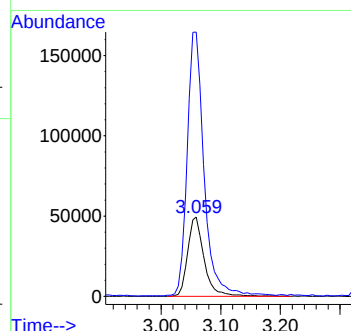
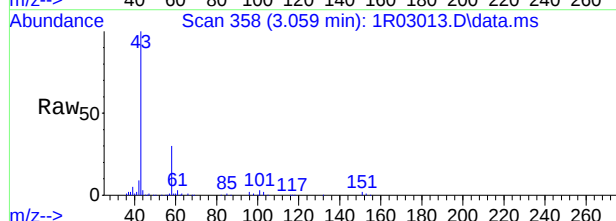
#17
1,1-dichloroethene
Concen: 20.00 ug/L
RT: 3.029 min Scan# 353
Delta R.T. -0.012 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

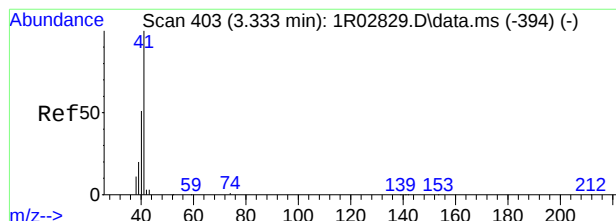
Tgt	Ion	96	Resp:	77879
	Ratio	100	Lower	Upper
	61	157.4	126.6	186.6
	63	50.4	17.7	77.7
	98	66.5	31.7	91.7



#18
acetone
Concen: 102.18 ug/L
RT: 3.059 min Scan# 358
Delta R.T. -0.006 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

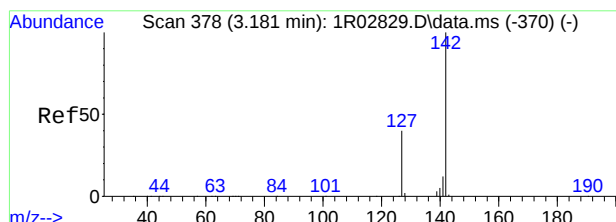
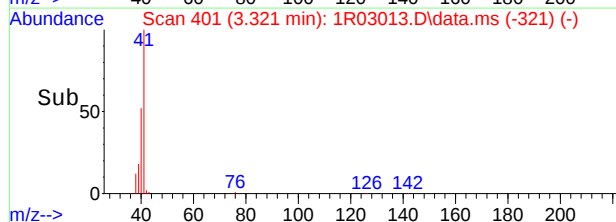
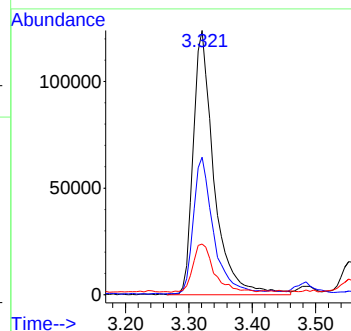
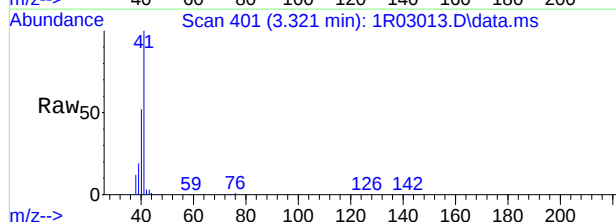
Tgt	Ion	58	Resp:	96156
	Ratio	100	Lower	Upper
	43	331.9	311.9	371.9





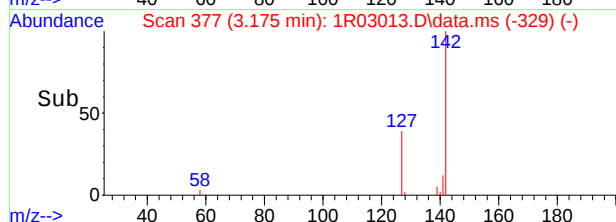
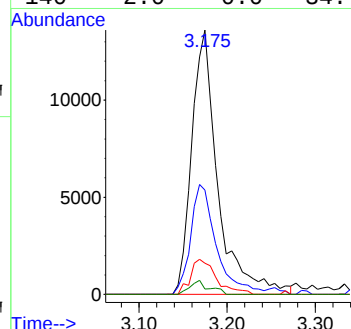
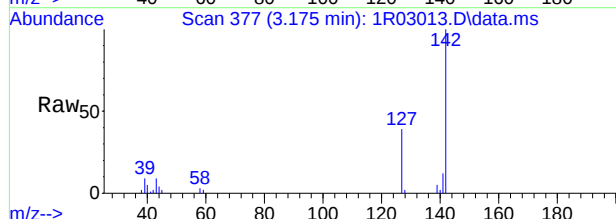
#19
acetonitrile
Concen: 223.22 ug/L
RT: 3.321 min Scan# 401
Delta R.T. -0.012 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

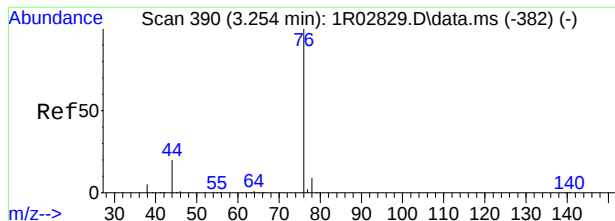
Tgt Ion	Ratio	Lower	Upper
41	100		
40	51.6	20.7	80.7
39	18.1	0.0	50.4



#20
iodomethane
Concen: 12.53 ug/L
RT: 3.175 min Scan# 377
Delta R.T. -0.006 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

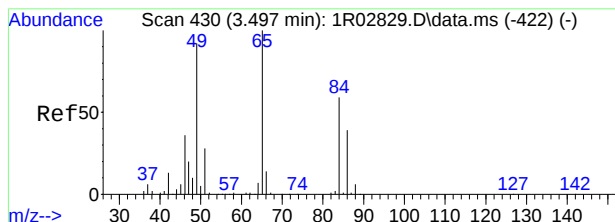
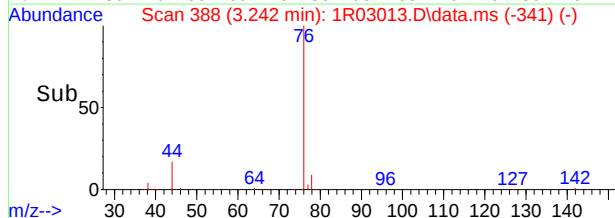
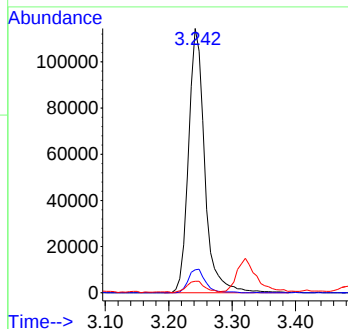
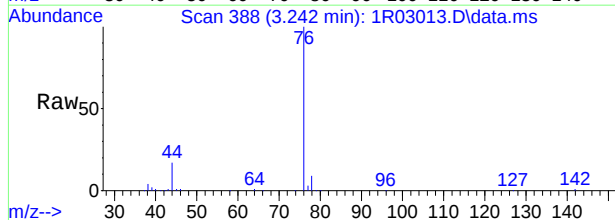
Tgt Ion	Ratio	Lower	Upper
142	100		
127	39.4	10.3	70.3
141	11.8	0.0	42.1
140	2.0	0.0	34.7





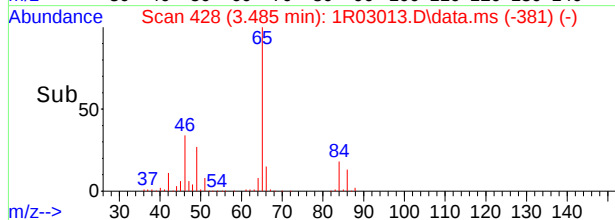
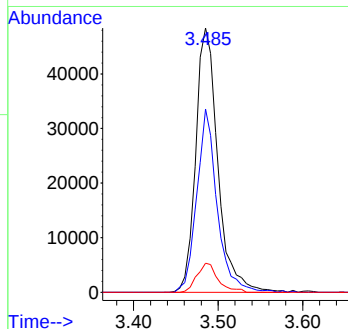
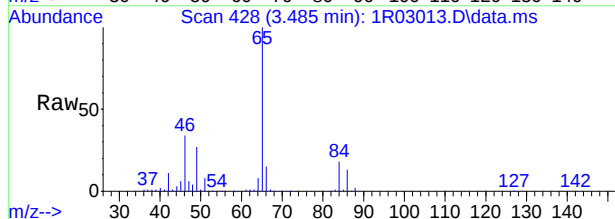
#21
carbon disulfide
Concen: 17.82 ug/L
RT: 3.242 min Scan# 388
Delta R.T. -0.012 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

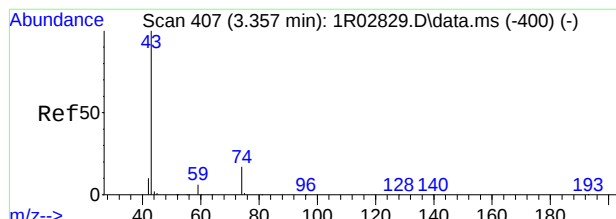
Tgt Ion: 76 Resp: 203823
Ion Ratio Lower Upper
76 100
78 8.7 0.0 39.3
38 4.0 0.0 34.5



#22
methylene chloride
Concen: 20.74 ug/L
RT: 3.485 min Scan# 428
Delta R.T. -0.012 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

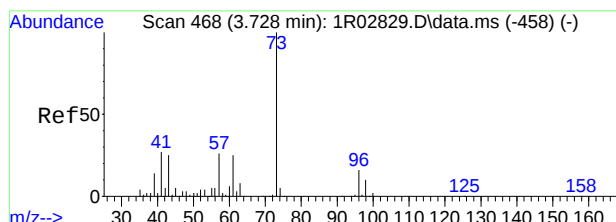
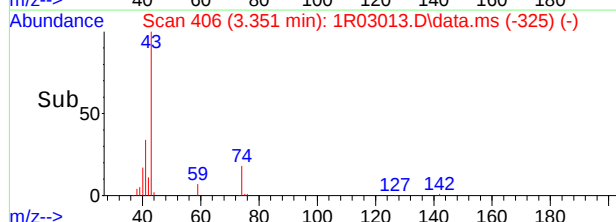
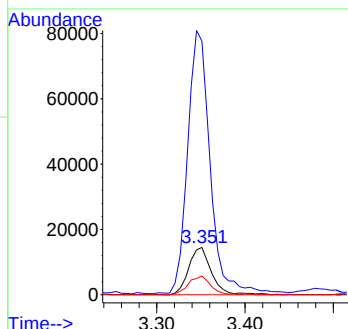
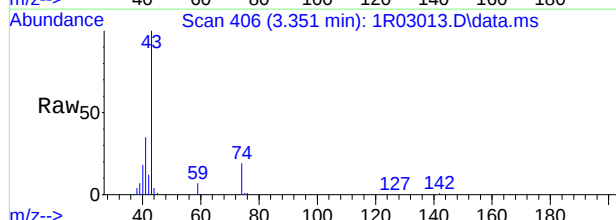
Tgt Ion: 84 Resp: 88078
Ion Ratio Lower Upper
84 100
86 69.3 35.5 95.5
88 11.0 0.0 40.7





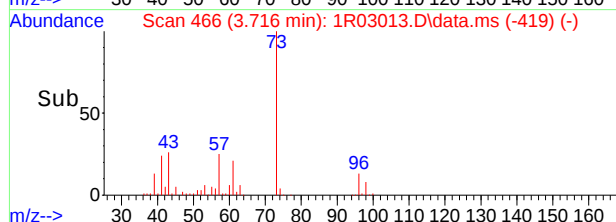
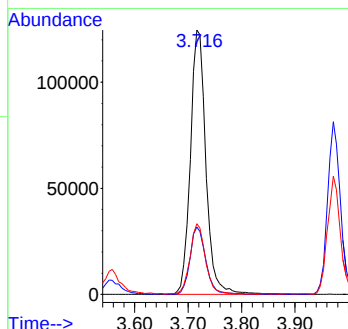
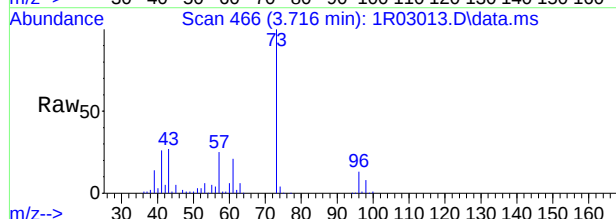
#23
methyl acetate
Concen: 20.66 ug/L
RT: 3.351 min Scan# 406
Delta R.T. -0.006 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

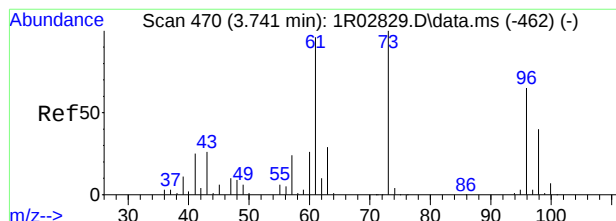
Tgt Ion: 74 Resp: 26223
Ion Ratio Lower Upper
74 100
43 532.0 564.6 624.6#
59 39.9 7.1 67.1



#24
methyl tert butyl ether
Concen: 20.81 ug/L
RT: 3.716 min Scan# 466
Delta R.T. -0.012 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

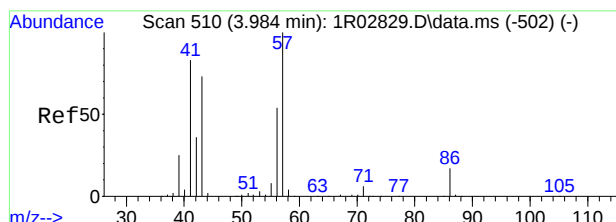
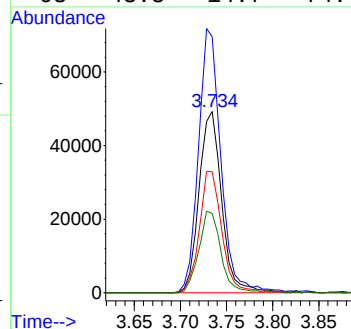
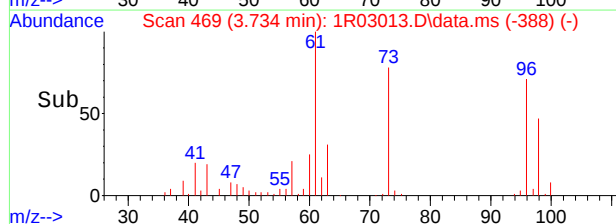
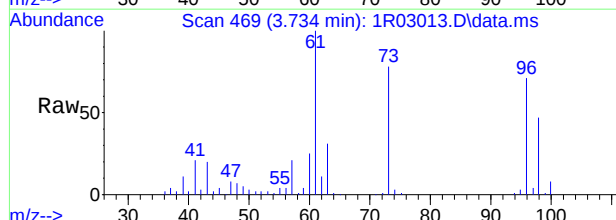
Tgt Ion: 73 Resp: 252377
Ion Ratio Lower Upper
73 100
57 25.5 0.0 55.9
43 26.7 0.0 55.4





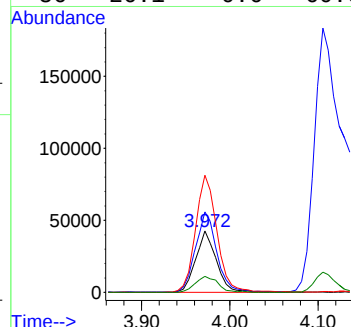
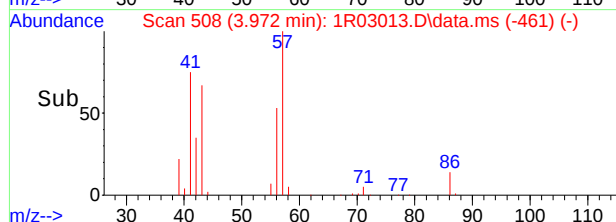
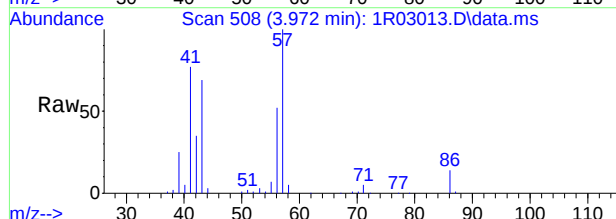
#25
trans-1,2-dichloroethene
Concen: 19.59 ug/L
RT: 3.734 min Scan# 469
Delta R.T. -0.007 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

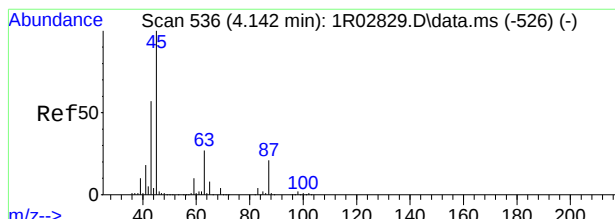
Tgt Ion:	96	Resp:	84681
Ion	Ratio	Lower	Upper
96	100		
61	141.1	117.5	177.5
98	66.7	31.0	91.0
63	43.8	14.7	74.7



#26
hexane
Concen: 19.10 ug/L
RT: 3.972 min Scan# 508
Delta R.T. -0.012 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

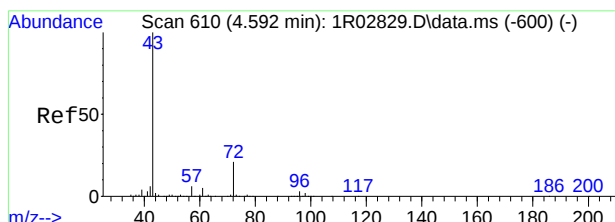
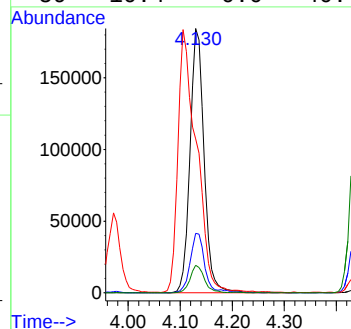
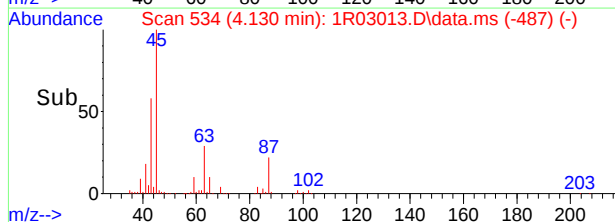
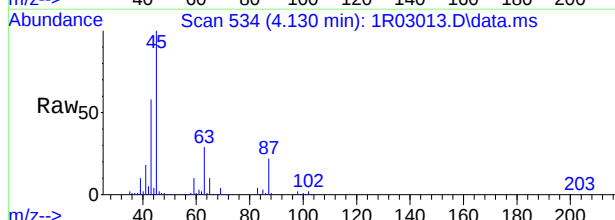
Tgt Ion:	56	Resp:	70014
Ion	Ratio	Lower	Upper
56	100		
43	130.5	105.1	165.1
57	190.6	154.8	214.8
86	26.1	0.6	60.6





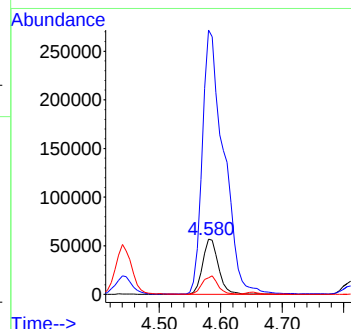
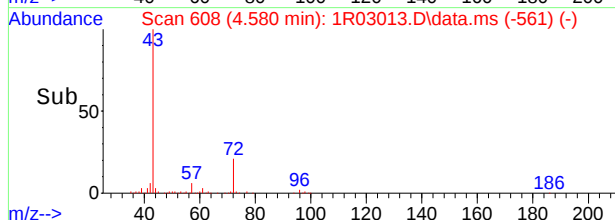
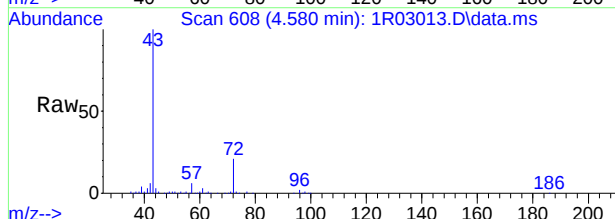
#27
di-isopropyl ether
Concen: 20.18 ug/L
RT: 4.130 min Scan# 534
Delta R.T. -0.012 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

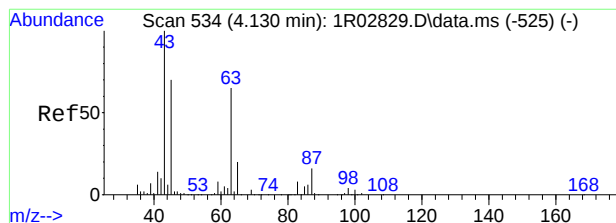
Tgt Ion	Ratio	Lower	Upper
45	100		
87	22.5	0.0	51.0
43	58.0	27.5	87.5
59	10.4	0.0	40.4



#28
2-butanone
Concen: 92.24 ug/L
RT: 4.580 min Scan# 608
Delta R.T. -0.012 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

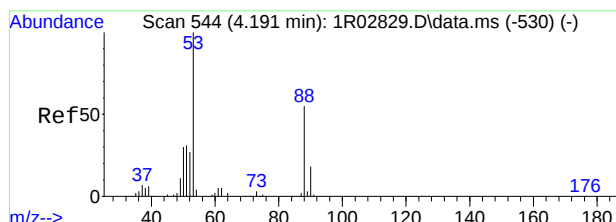
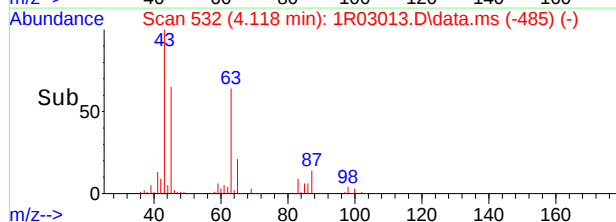
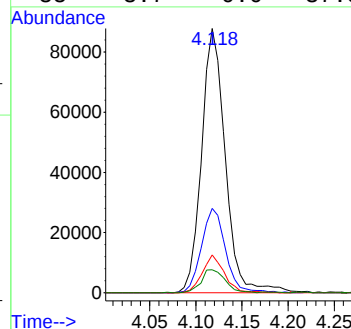
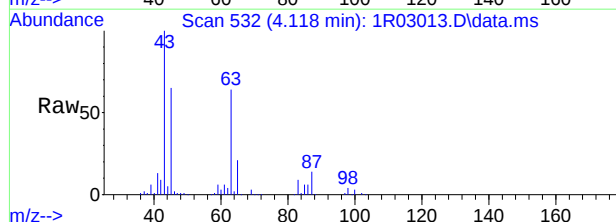
Tgt Ion	Ratio	Lower	Upper
72	100		
43	477.6	444.7	504.7
57	29.9	0.2	60.2





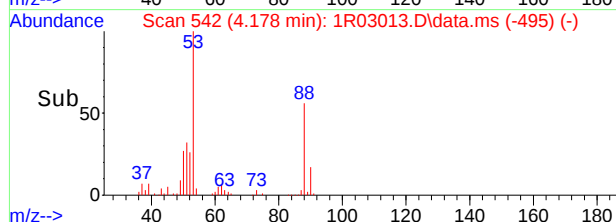
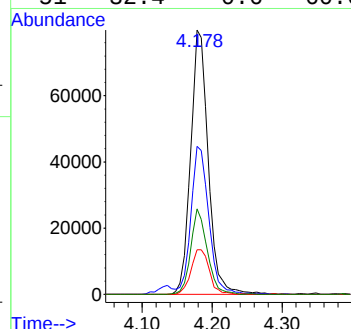
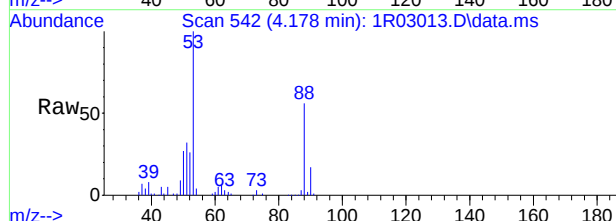
#29
1,1-dichloroethane
Concen: 19.36 ug/L
RT: 4.118 min Scan# 532
Delta R.T. -0.012 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

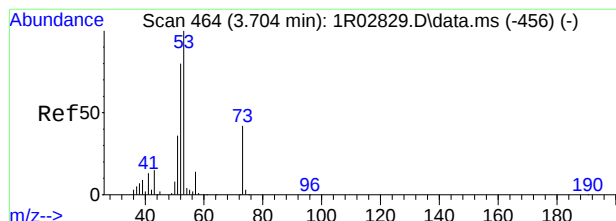
Tgt Ion	Ratio	Resp	Lower	Upper
63	100	157131		
65	31.9		0.3	60.3
83	14.3		0.0	42.5
85	8.7		0.0	37.5



#30
chloroprene
Concen: 20.03 ug/L
RT: 4.178 min Scan# 542
Delta R.T. -0.013 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

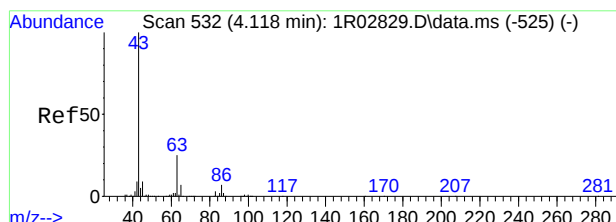
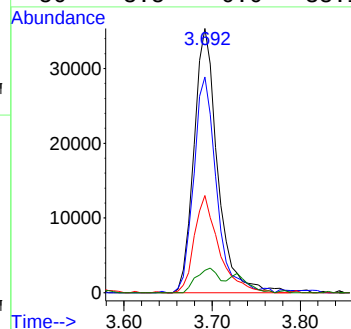
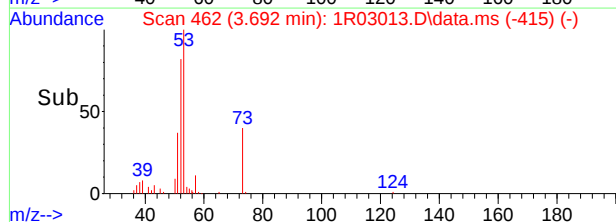
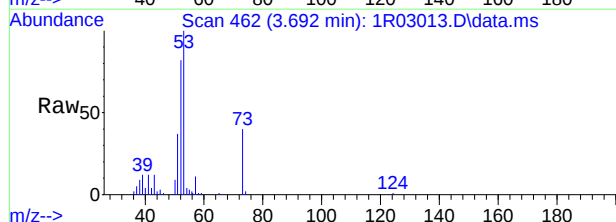
Tgt Ion	Ratio	Resp	Lower	Upper
53	100	140080		
88	55.9		25.1	85.1
90	16.8		0.0	47.7
51	32.4		0.6	60.6





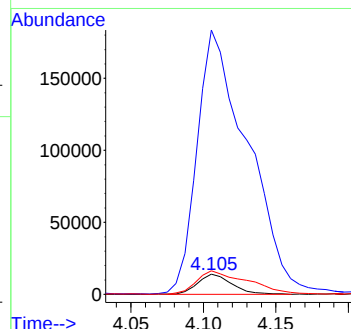
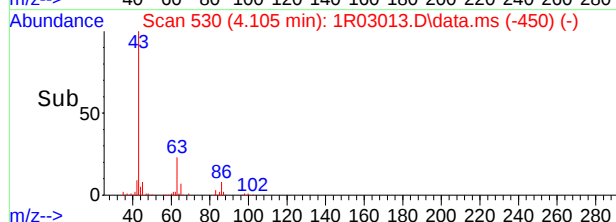
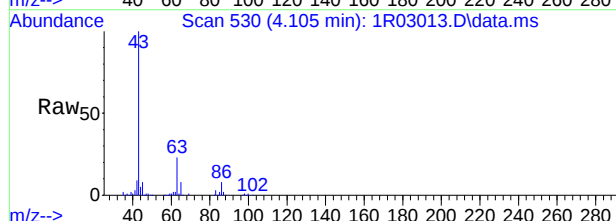
#31
acrylonitrile
Concen: 21.11 ug/L
RT: 3.692 min Scan# 462
Delta R.T. -0.012 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

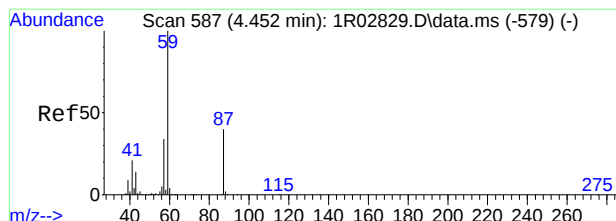
Tgt	Ion	53	Resp:	66317
	Ratio	100	Lower	Upper
	52	81.6	49.6	109.6
	51	36.8	6.3	66.3
	50	8.5	0.0	38.1



#32
vinyl acetate
Concen: 20.89 ug/L
RT: 4.105 min Scan# 530
Delta R.T. -0.013 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

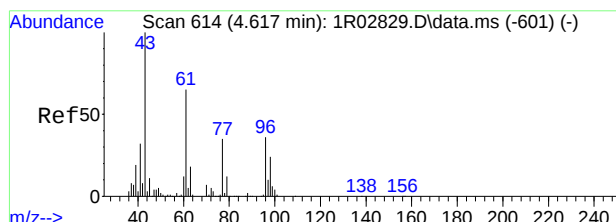
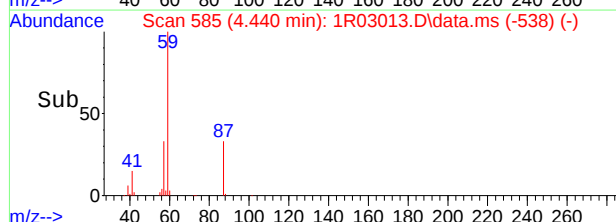
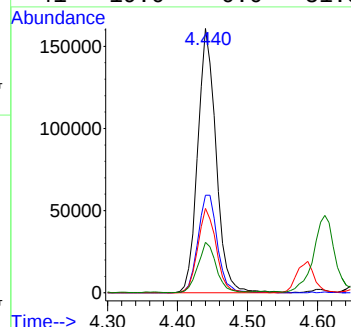
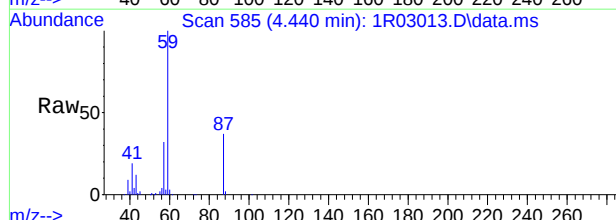
Tgt	Ion	86	Resp:	23132
	Ratio	100	Lower	Upper
	43	1291.4	1351.3	1411.3#
	42	116.2	101.0	161.0





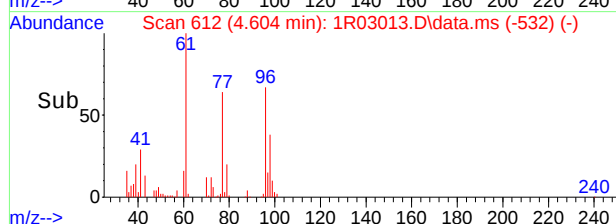
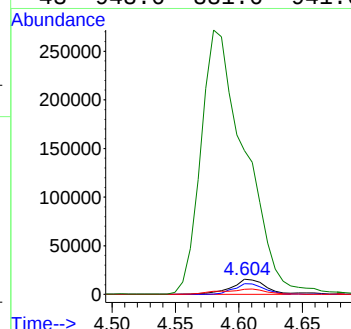
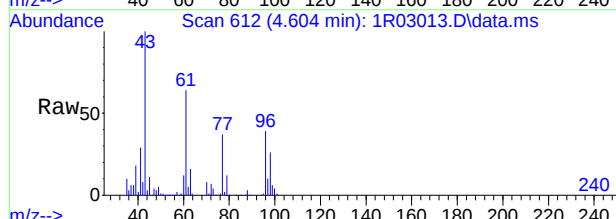
#33
ethyl tert-butyl ether
Concen: 21.59 ug/L
RT: 4.440 min Scan# 585
Delta R.T. -0.012 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

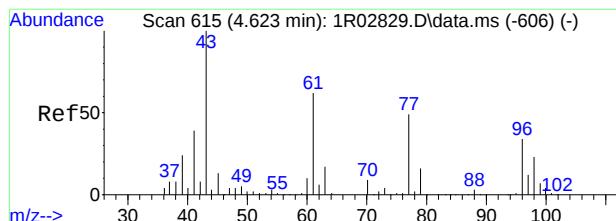
Tgt	Ion	59	Resp	293401
	Ratio	100	Lower	Upper
	59	100		
	87	36.9	9.9	69.9
	57	31.9	4.4	64.4
	41	19.0	0.0	51.3



#34
ethyl acetate
Concen: 18.86 ug/L
RT: 4.604 min Scan# 612
Delta R.T. -0.013 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

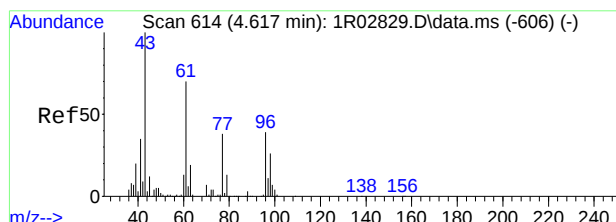
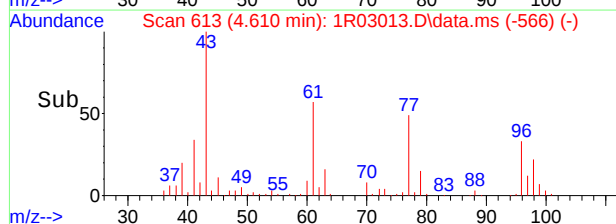
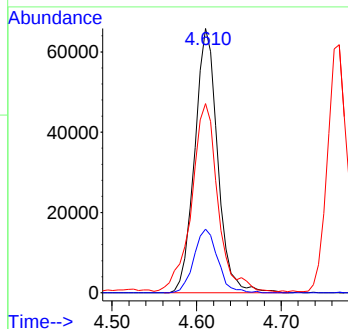
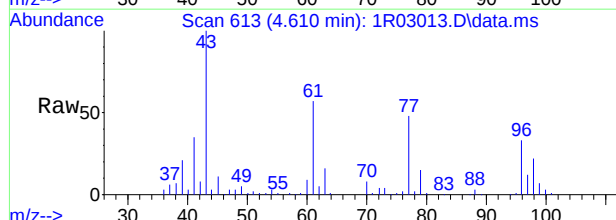
Tgt	Ion	45	Resp	29265
	Ratio	100	Lower	Upper
	45	100		
	70	71.4	32.8	92.8
	73	34.2	0.4	60.4
	43	948.6	881.6	941.6#





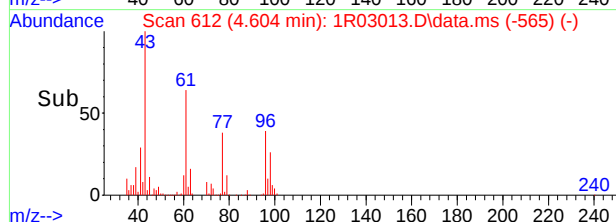
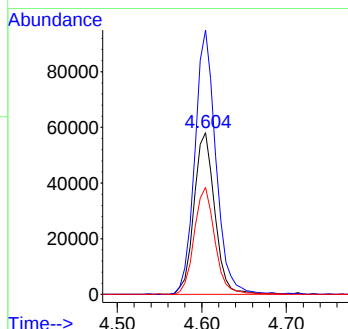
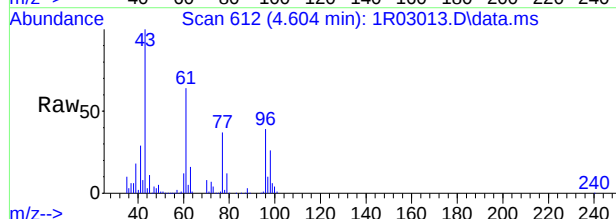
#35
2,2-dichloropropane
Concen: 20.92 ug/L
RT: 4.610 min Scan# 613
Delta R.T. -0.013 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

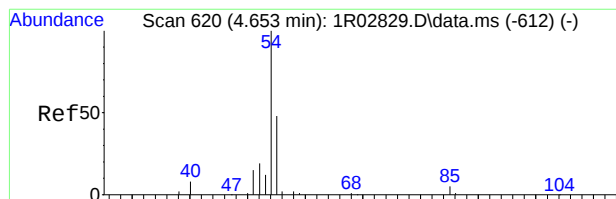
Tgt Ion	Ratio	Lower	Upper
77	100		
97	24.1	0.0	54.9
41	71.0	48.9	108.9



#36
cis-1,2-dichloroethene
Concen: 20.60 ug/L
RT: 4.604 min Scan# 612
Delta R.T. -0.013 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

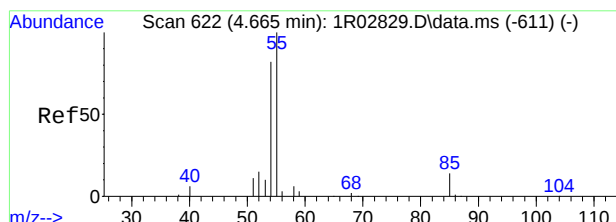
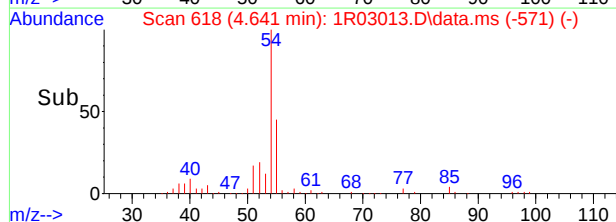
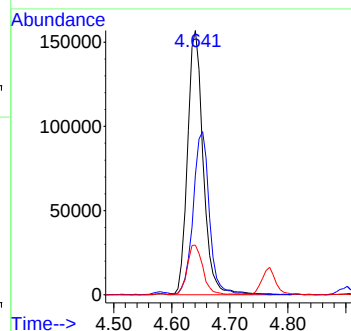
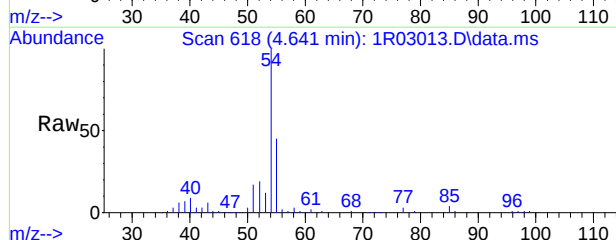
Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.4	151.5	211.5
98	66.2	36.9	96.9





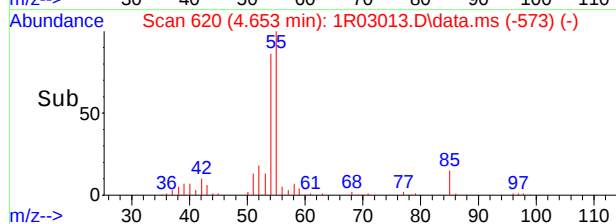
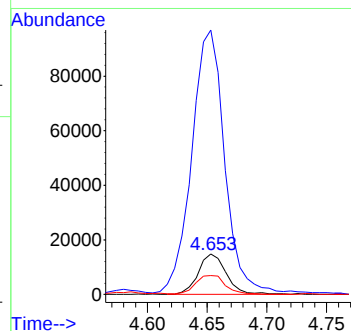
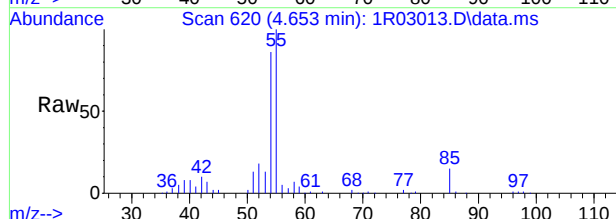
#37
propionitrile
Concen: 206.78 ug/L
RT: 4.641 min Scan# 618
Delta R.T. -0.012 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

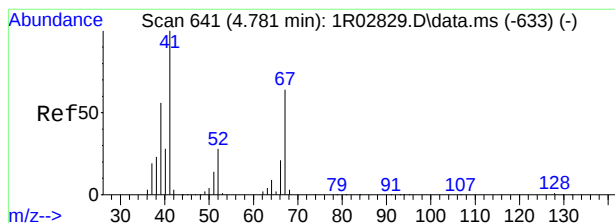
Tgt Ion	Ion	Ratio	Lower	Upper
54	54	100		
55	55	45.1	18.4	78.4
52	52	18.6	0.0	49.4



#38
methyl acrylate
Concen: 20.67 ug/L
RT: 4.653 min Scan# 620
Delta R.T. -0.012 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

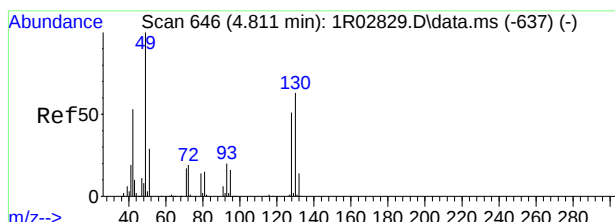
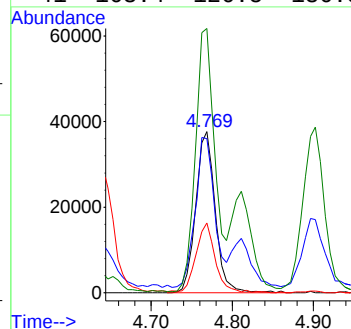
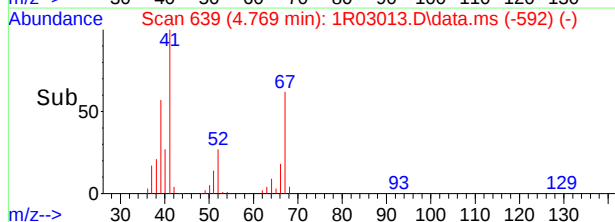
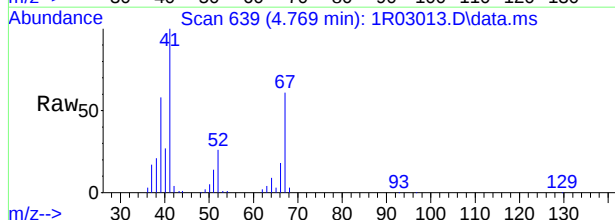
Tgt Ion	Ion	Ratio	Lower	Upper
85	85	100		
55	55	645.2	692.7	732.7#
58	58	46.9	23.8	63.8





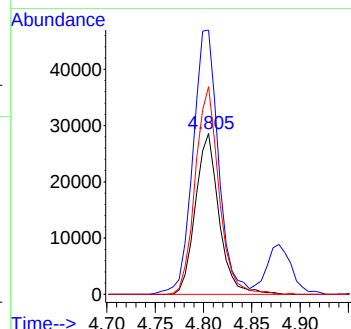
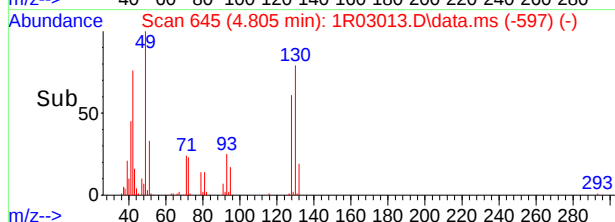
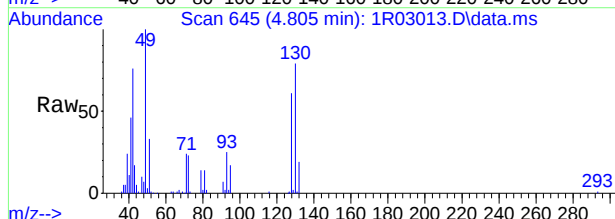
#39
methacrylonitrile
Concen: 20.42 ug/L
RT: 4.769 min Scan# 639
Delta R.T. -0.012 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

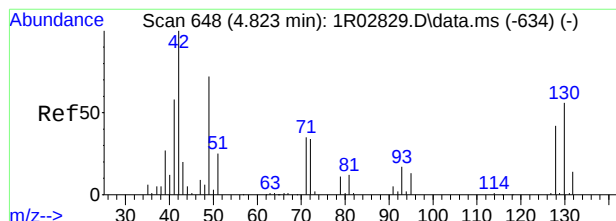
Tgt Ion:	67	Resp:	63022
Ion	Ratio	Lower	Upper
67	100		
39	91.0	57.2	117.2
52	43.4	14.4	74.4
41	163.4	126.5	186.5



#40
bromochloromethane
Concen: 21.23 ug/L
RT: 4.805 min Scan# 645
Delta R.T. -0.006 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

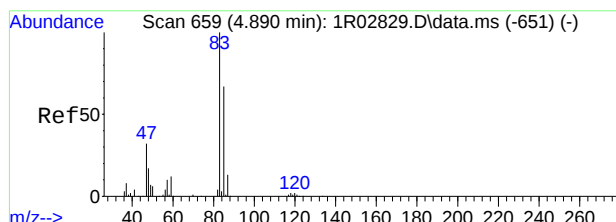
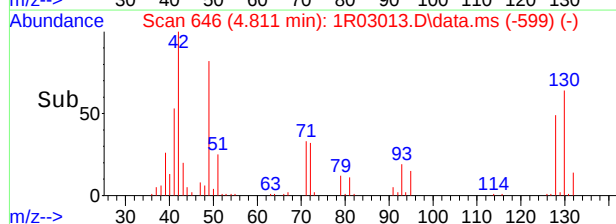
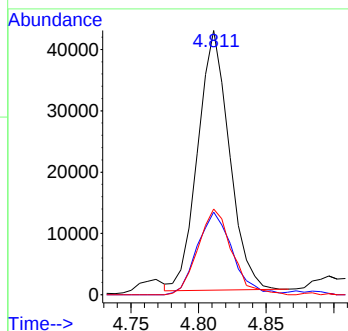
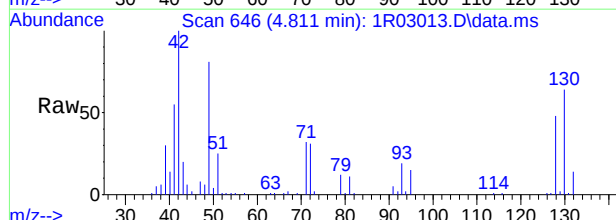
Tgt Ion:	128	Resp:	48635
Ion	Ratio	Lower	Upper
128	100		
49	161.7	167.6	227.6#
130	129.1	94.5	154.5





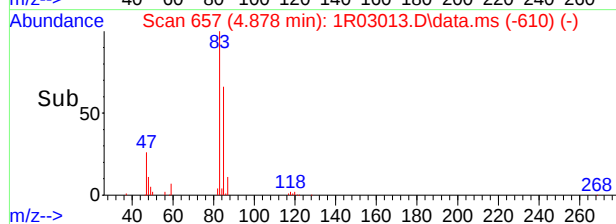
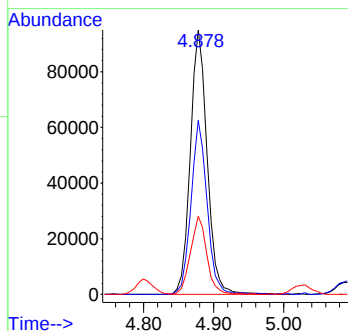
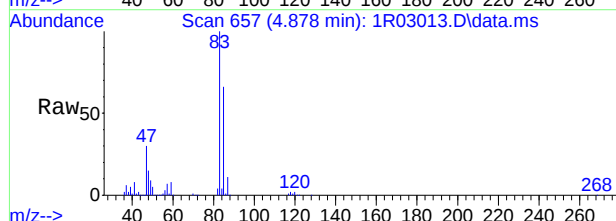
#41
tetrahydrofuran
Concen: 17.89 ug/L
RT: 4.811 min Scan# 646
Delta R.T. -0.012 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

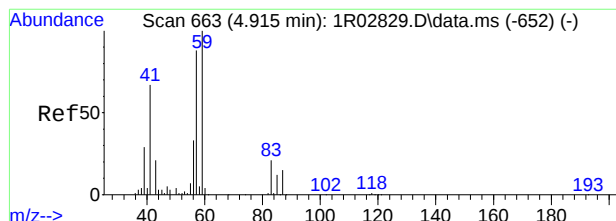
Tgt Ion: 42 Resp: 68825
Ion Ratio Lower Upper
42 100
72 31.9 3.7 63.7
71 33.2 5.4 65.4



#42
chloroform
Concen: 20.00 ug/L
RT: 4.878 min Scan# 657
Delta R.T. -0.012 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

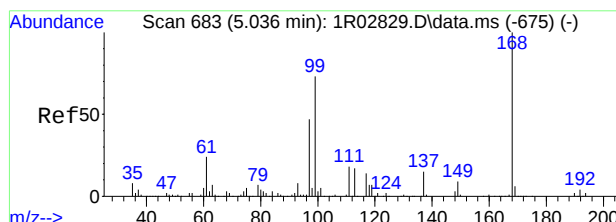
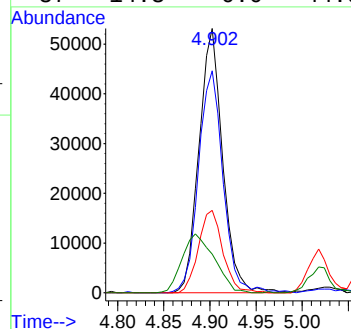
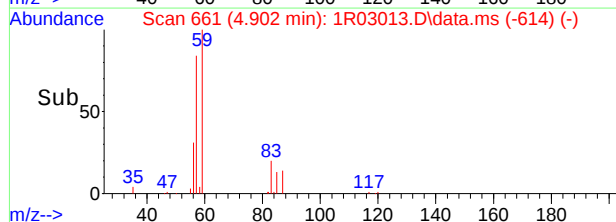
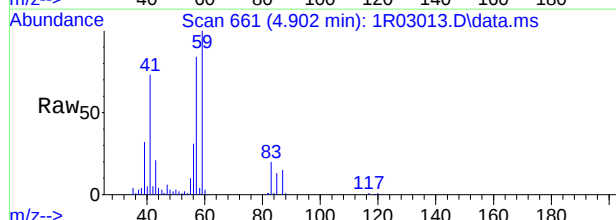
Tgt Ion: 83 Resp: 158879
Ion Ratio Lower Upper
83 100
85 65.9 36.6 96.6
47 29.3 2.5 62.5





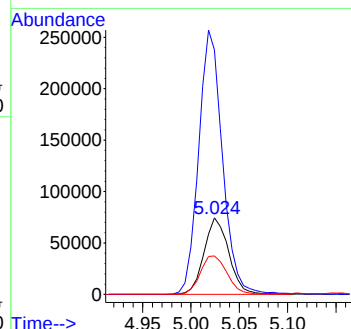
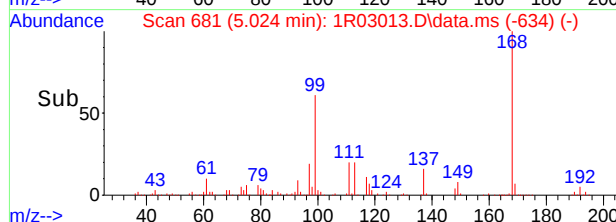
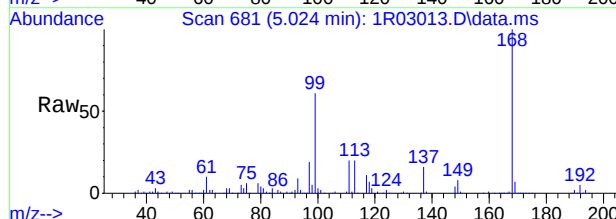
#43
tert-Butyl Formate
Concen: 21.94 ug/L
RT: 4.902 min Scan# 661
Delta R.T. -0.013 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

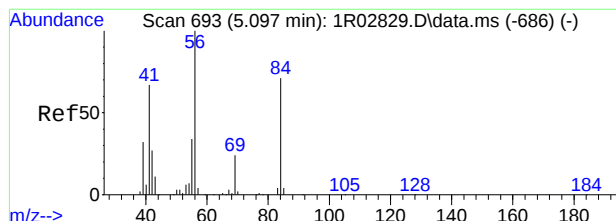
Tgt Ion: 59 Resp: 94927
Ion Ratio Lower Upper
59 100
57 84.0 57.8 117.8
56 31.1 2.6 62.6
87 14.3 0.0 44.9



#45
1,1,1-trichloroethane
Concen: 19.47 ug/L
RT: 5.024 min Scan# 681
Delta R.T. -0.012 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

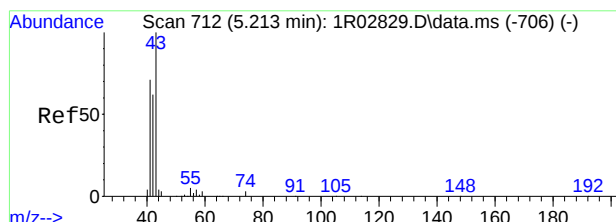
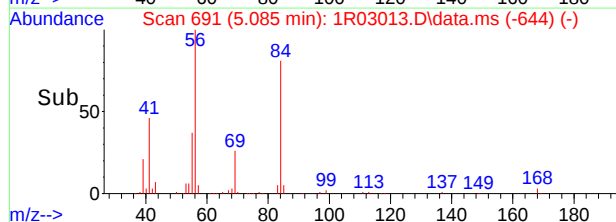
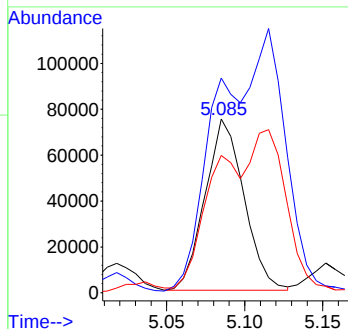
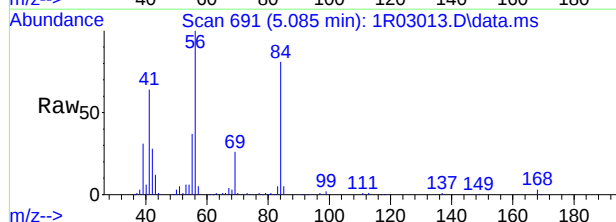
Tgt Ion: 97 Resp: 133252
Ion Ratio Lower Upper
97 100
99 318.8 125.4 185.4#
61 50.0 21.5 81.5





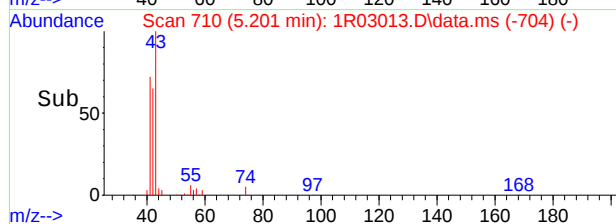
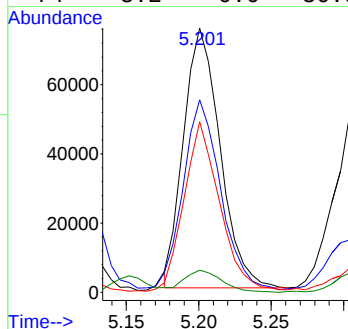
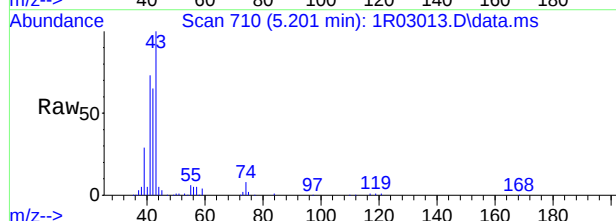
#46
cyclohexane
Concen: 20.35 ug/L
RT: 5.085 min Scan# 691
Delta R.T. -0.012 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

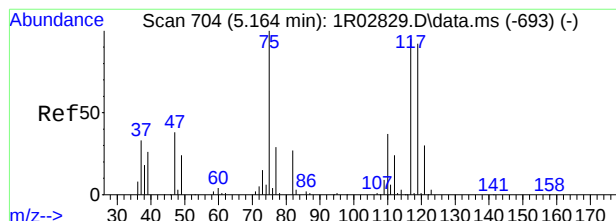
Tgt Ion: 84 Resp: 129351
Ion Ratio Lower Upper
84 100
56 124.4 110.2 170.2
41 77.5 64.4 124.4



#47
isobutyl alcohol
Concen: 226.91 ug/L
RT: 5.201 min Scan# 710
Delta R.T. -0.012 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

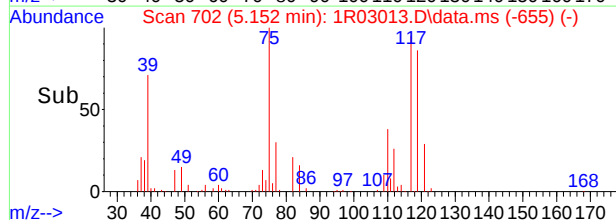
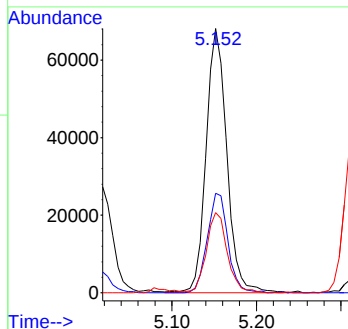
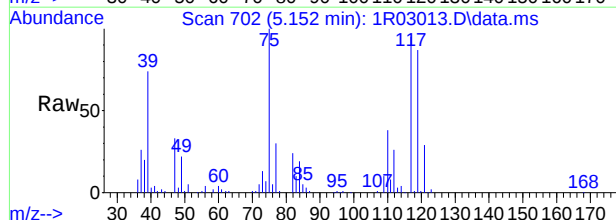
Tgt Ion: 43 Resp: 131780
Ion Ratio Lower Upper
43 100
41 72.6 41.5 101.5
42 64.7 32.0 92.0
74 8.2 0.0 36.9





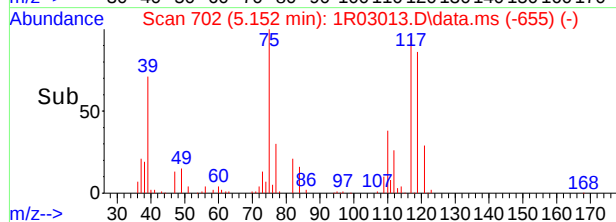
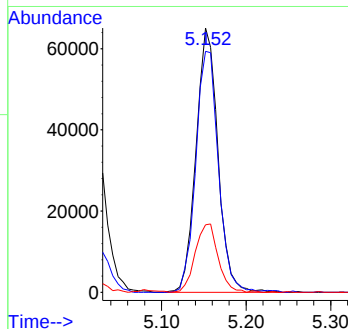
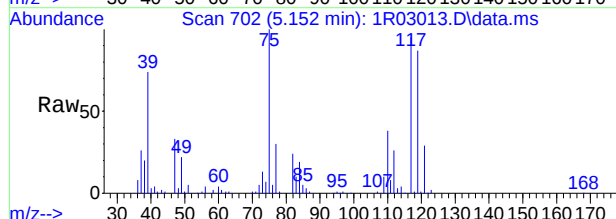
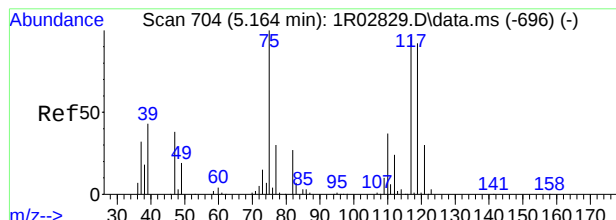
#48
1,1-dichloropropene
Concen: 20.28 ug/L
RT: 5.152 min Scan# 702
Delta R.T. -0.012 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

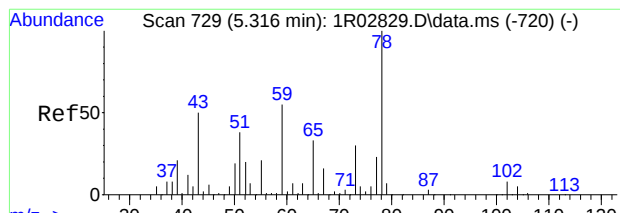
Tgt Ion:	75	Resp:	116349
Ion Ratio	Lower	Upper	
75	100		
110	37.7	16.6	56.6
77	29.9	10.2	50.2



#49
carbon tetrachloride
Concen: 20.56 ug/L
RT: 5.152 min Scan# 702
Delta R.T. -0.012 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

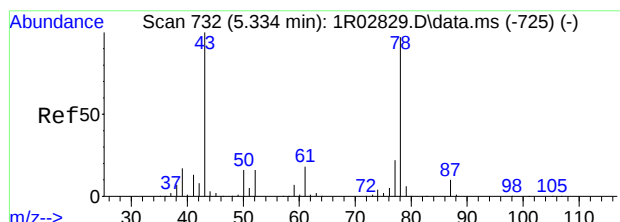
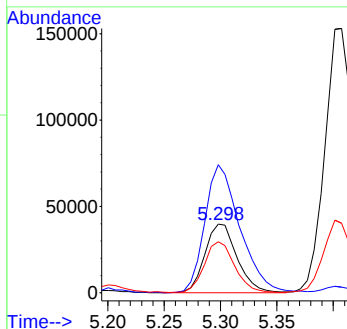
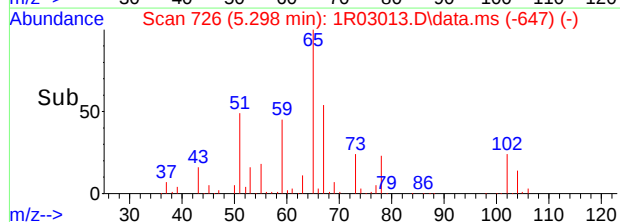
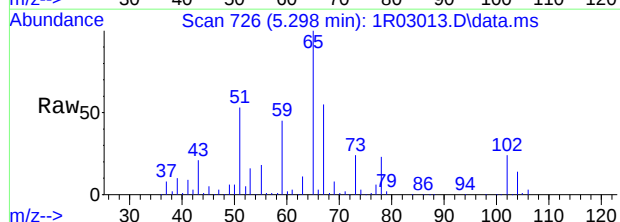
Tgt Ion:	117	Resp:	117315
Ion Ratio	Lower	Upper	
117	100		
119	91.1	76.3	116.3
82	25.2	0.0	58.8





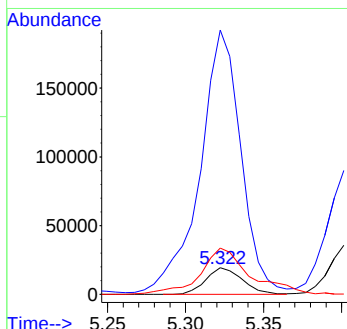
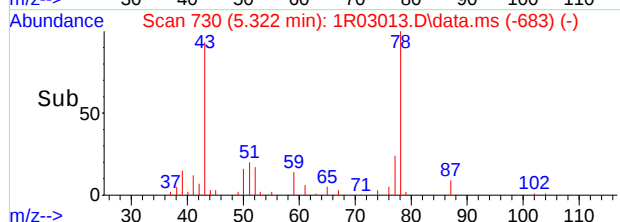
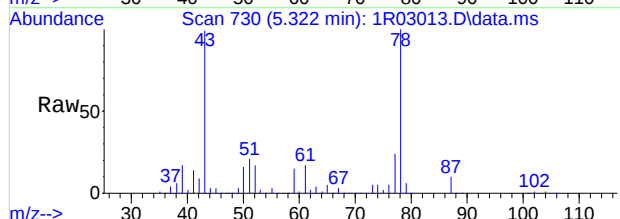
#50
tert-amyl alcohol
Concen: 115.10 ug/L
RT: 5.298 min Scan# 726
Delta R.T. -0.018 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

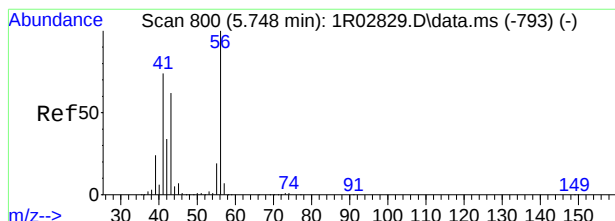
Tgt Ion: 73 Resp: 79293
Ion Ratio Lower Upper
73 100
59 186.5 161.2 201.2
55 73.7 38.8 98.8



#51
isopropyl acetate
Concen: 20.58 ug/L
RT: 5.322 min Scan# 730
Delta R.T. -0.012 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

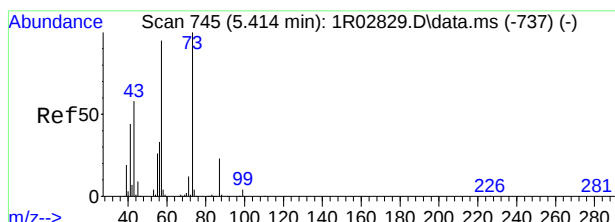
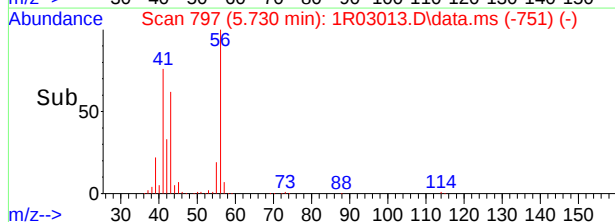
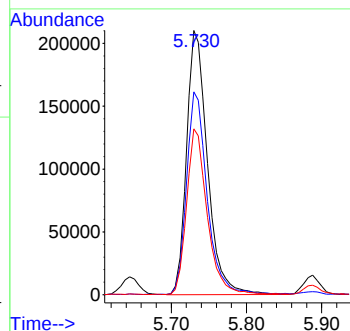
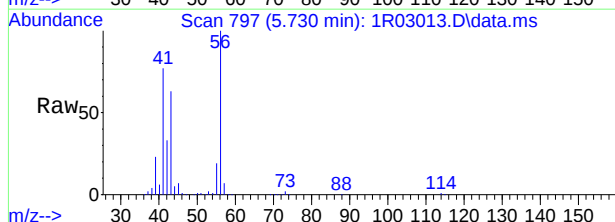
Tgt Ion: 87 Resp: 31551
Ion Ratio Lower Upper
87 100
43 974.2 982.5 1042.5#
61 157.0 145.1 205.1





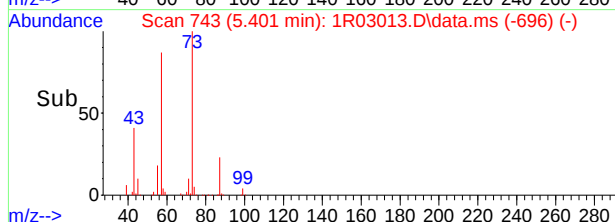
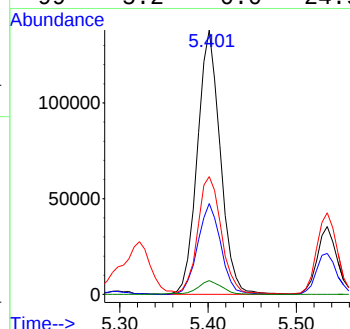
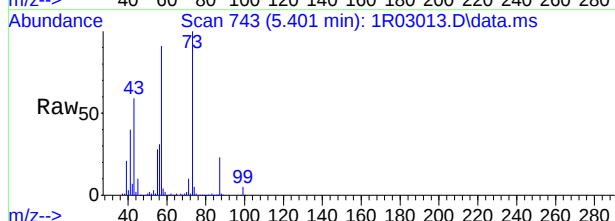
#54
n-butyl alcohol
Concen: 1015.75 ug/L
RT: 5.730 min Scan# 797
Delta R.T. -0.018 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

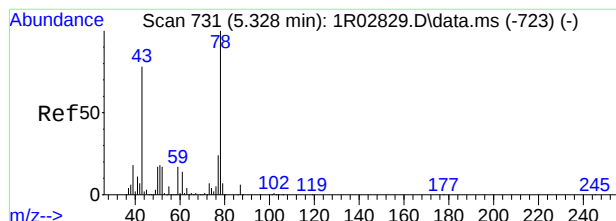
Tgt Ion	Ratio	Lower	Upper
56	100		
41	76.6	44.1	104.1
43	62.7	32.2	92.2



#55
2,2,4-trimethylpentane
Concen: 16.98 ug/L
RT: 5.401 min Scan# 743
Delta R.T. -0.013 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

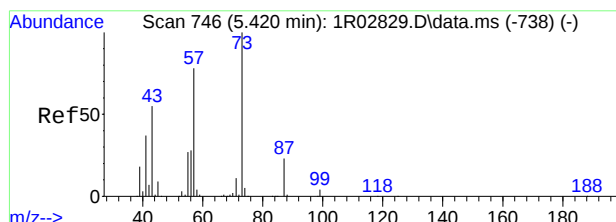
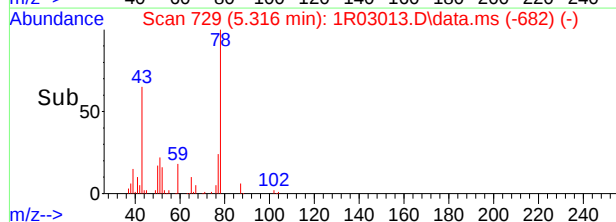
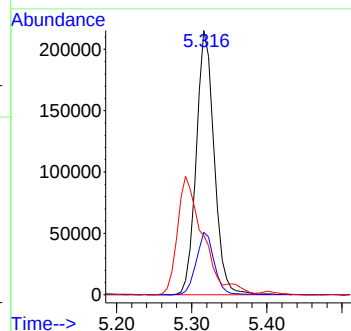
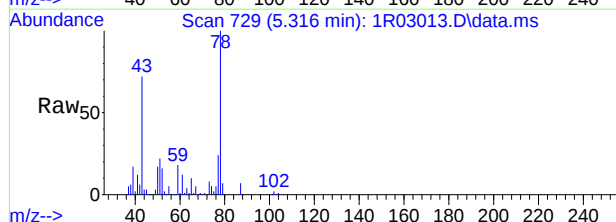
Tgt Ion	Ratio	Lower	Upper
57	100		
56	34.3	5.1	65.1
41	44.4	17.1	77.1
99	5.2	0.0	24.9





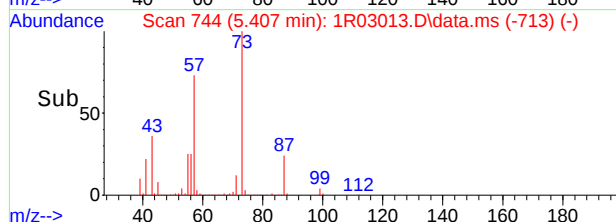
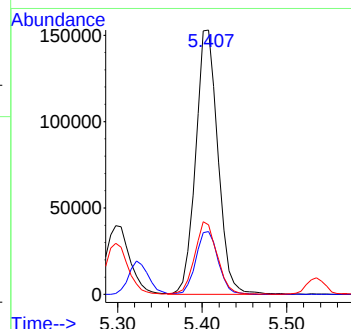
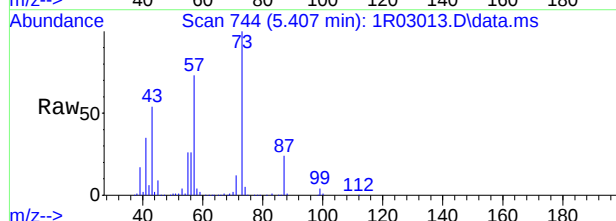
#56
benzene
Concen: 17.08 ug/L
RT: 5.316 min Scan# 729
Delta R.T. -0.012 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

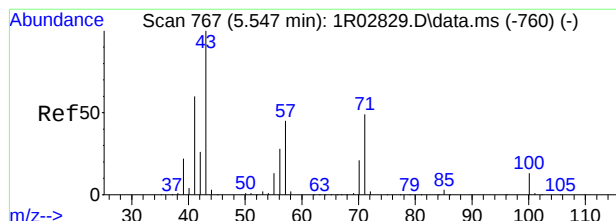
Tgt Ion: 78 Resp: 357324
Ion Ratio Lower Upper
78 100
77 23.6 0.0 53.6
51 22.3 0.0 49.7



#57
tert-amyl methyl ether
Concen: 18.84 ug/L
RT: 5.407 min Scan# 744
Delta R.T. -0.013 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

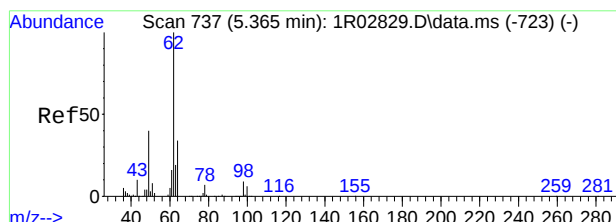
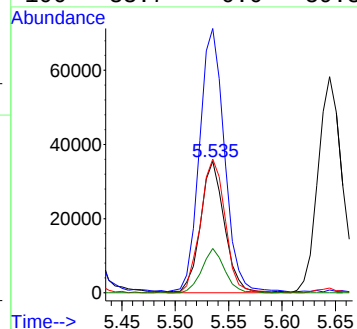
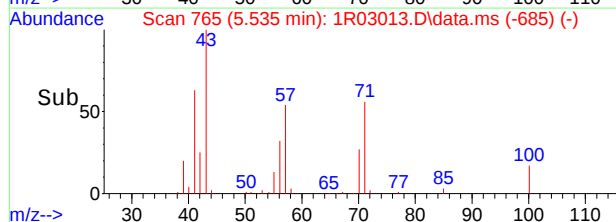
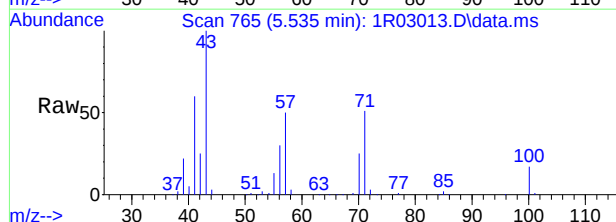
Tgt Ion: 73 Resp: 280217
Ion Ratio Lower Upper
73 100
87 23.8 0.0 52.5
55 26.1 0.0 56.5





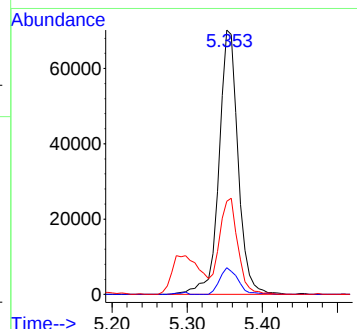
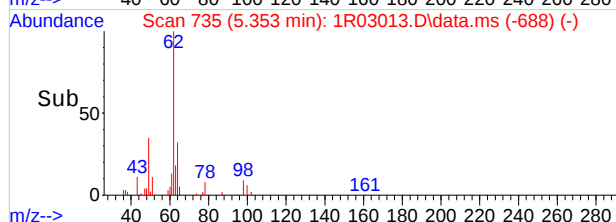
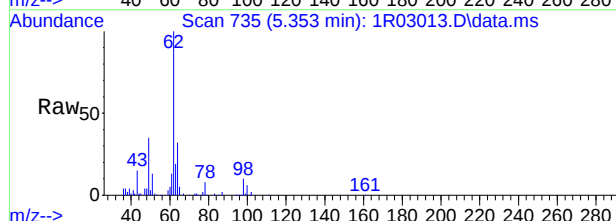
#58
heptane
Concen: 16.83 ug/L
RT: 5.535 min Scan# 765
Delta R.T. -0.012 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

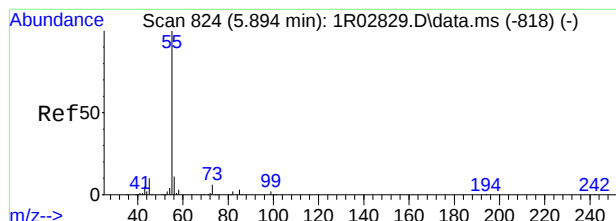
Tgt Ion	Ratio	Lower	Upper
57	100		
43	200.2	192.0	252.0
71	101.6	79.6	139.6
100	33.7	0.0	59.8



#59
1,2-dichloroethane
Concen: 18.67 ug/L
RT: 5.353 min Scan# 735
Delta R.T. -0.012 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

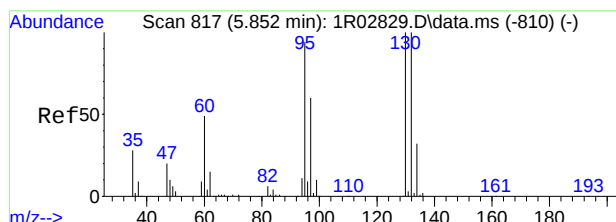
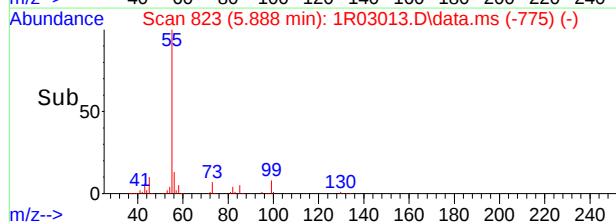
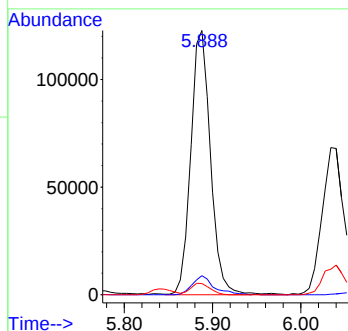
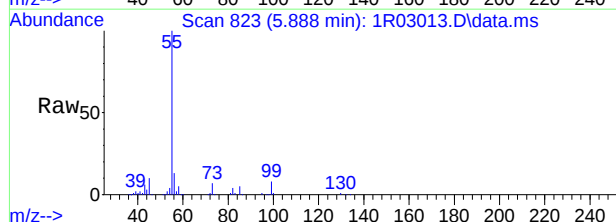
Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	39.4
49	35.2	10.2	70.2





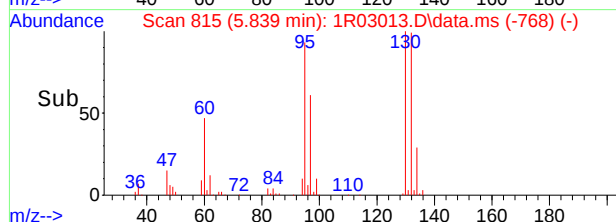
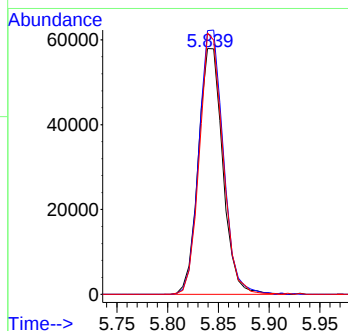
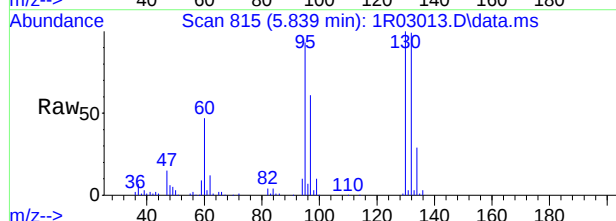
#60
ethyl acrylate
Concen: 17.74 ug/L
RT: 5.888 min Scan# 823
Delta R.T. -0.006 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

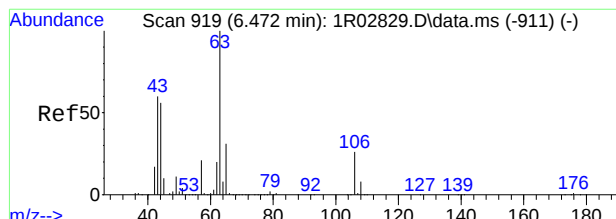
Tgt	Ion	55	Resp	191145
	Ratio	100	Lower	Upper
	73	7.2	0.0	26.4
	82	4.2	0.0	24.2



#61
trichloroethene
Concen: 18.43 ug/L
RT: 5.839 min Scan# 815
Delta R.T. -0.013 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

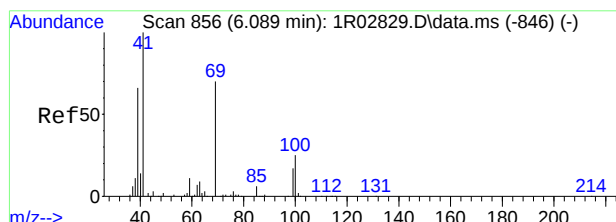
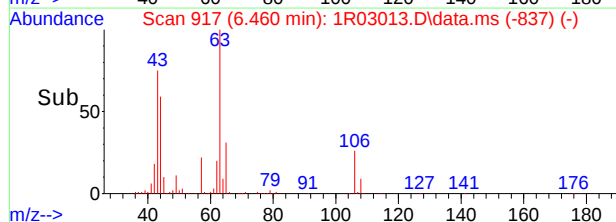
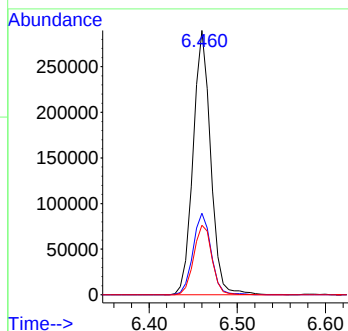
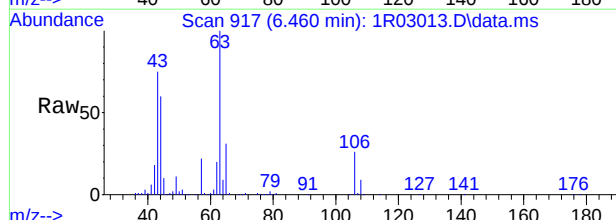
Tgt	Ion	95	Resp	97244
	Ratio	100	Lower	Upper
	130	107.2	76.7	136.7
	132	106.4	76.3	136.3





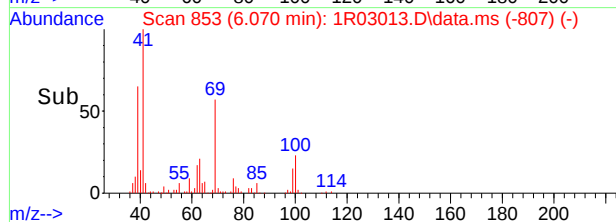
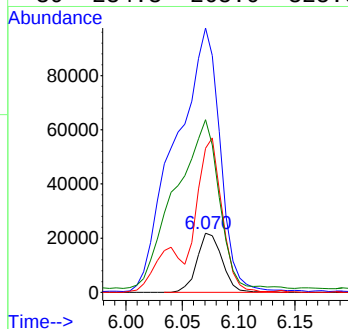
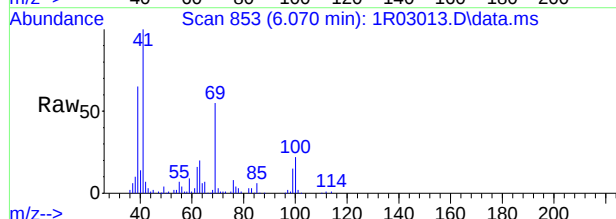
#62
2-chloroethyl vinyl ether
Concen: 88.77 ug/L
RT: 6.460 min Scan# 917
Delta R.T. -0.012 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

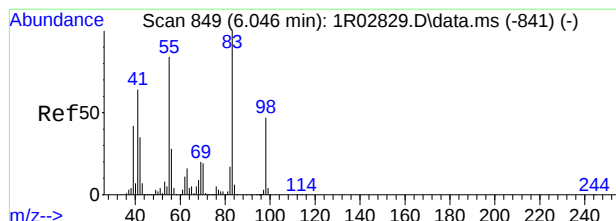
Tgt Ion	Ratio	Lower	Upper
63	100		
65	30.8	0.8	60.8
106	26.3	0.0	56.0



#63
methyl methacrylate
Concen: 18.97 ug/L
RT: 6.070 min Scan# 853
Delta R.T. -0.019 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

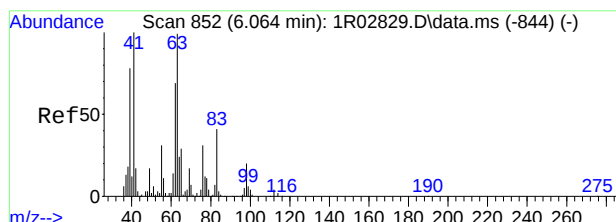
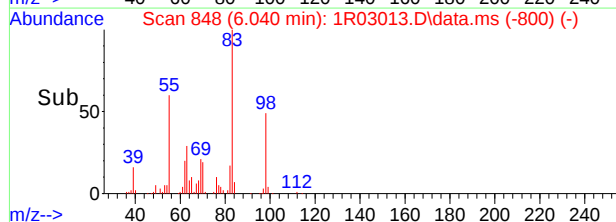
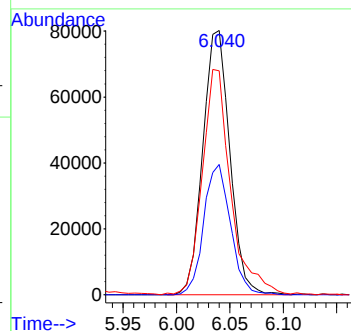
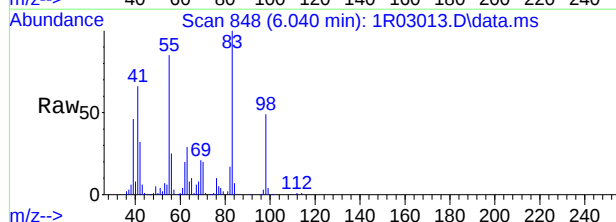
Tgt Ion	Ratio	Lower	Upper
100	100		
41	443.6	418.7	478.7
69	242.6	261.7	321.7#
39	284.3	265.0	325.0





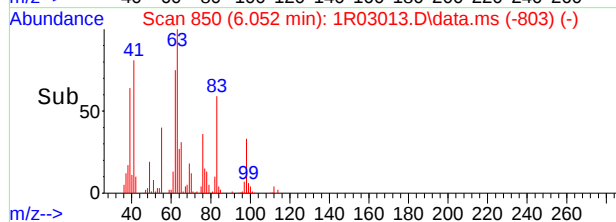
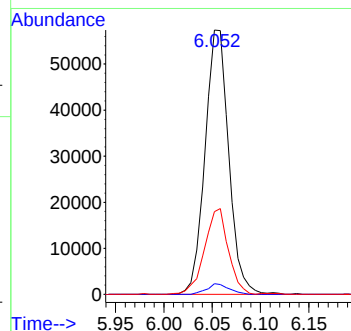
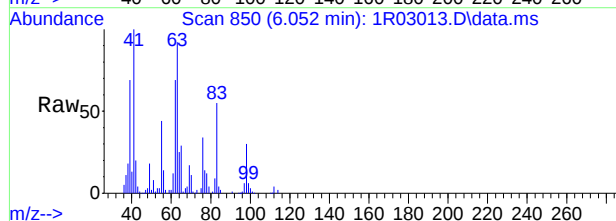
#64
methylcyclohexane
Concen: 16.95 ug/L
RT: 6.040 min Scan# 848
Delta R.T. -0.006 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

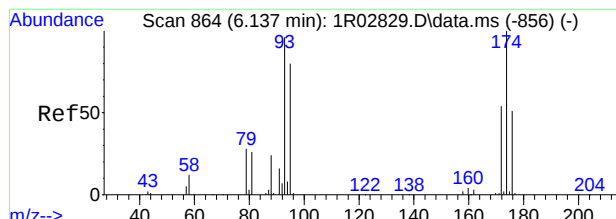
Tgt Ion: 83 Resp: 141682
Ion Ratio Lower Upper
83 100
98 49.3 27.4 67.4
55 84.3 63.7 103.7



#65
1,2-dichloropropane
Concen: 17.04 ug/L
RT: 6.052 min Scan# 850
Delta R.T. -0.012 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

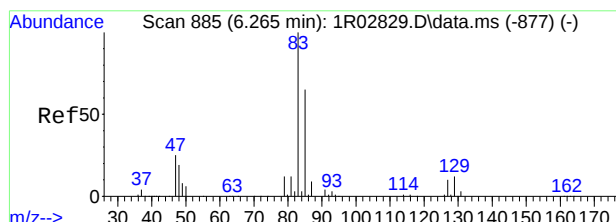
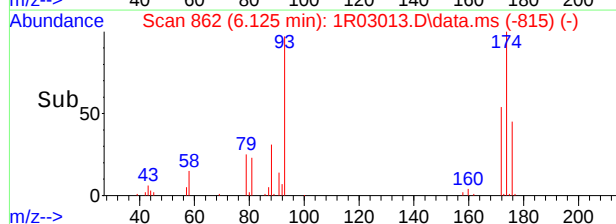
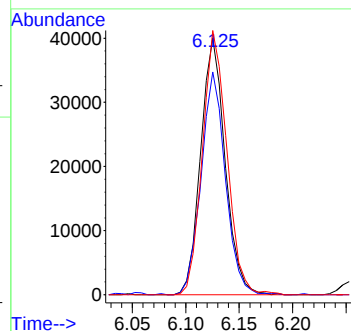
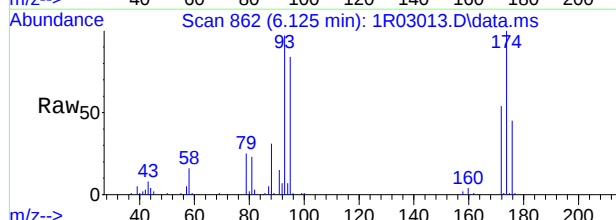
Tgt Ion: 63 Resp: 98162
Ion Ratio Lower Upper
63 100
112 4.1 0.0 33.6
65 31.2 0.0 59.5





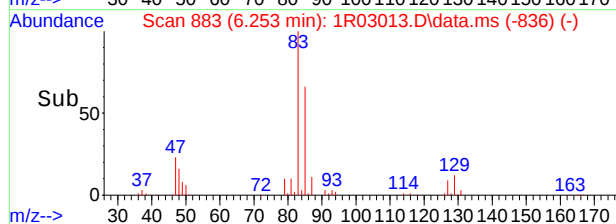
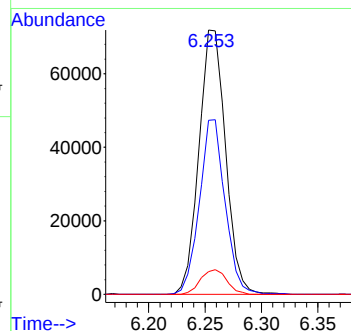
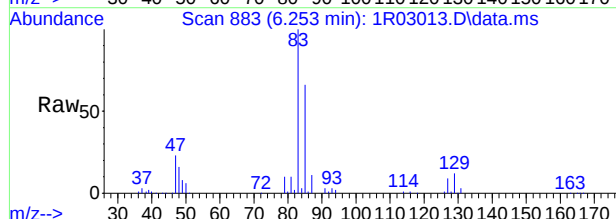
#66
dibromomethane
Concen: 17.93 ug/L
RT: 6.125 min Scan# 862
Delta R.T. -0.012 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

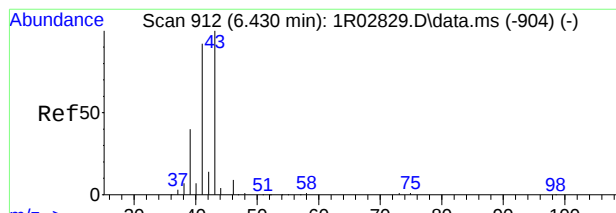
Tgt Ion	Ratio	Lower	Upper
93	100		
95	86.9	53.3	113.3
174	103.0	73.7	133.7



#67
bromodichloromethane
Concen: 18.63 ug/L
RT: 6.253 min Scan# 883
Delta R.T. -0.012 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

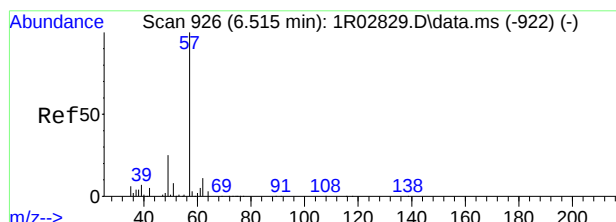
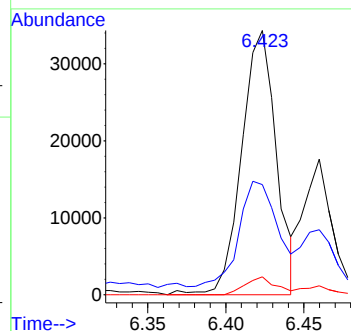
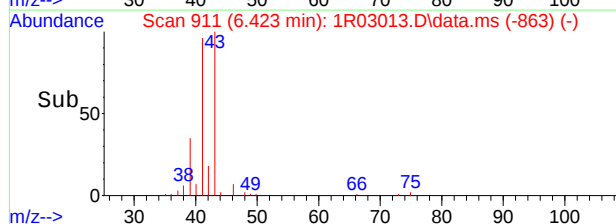
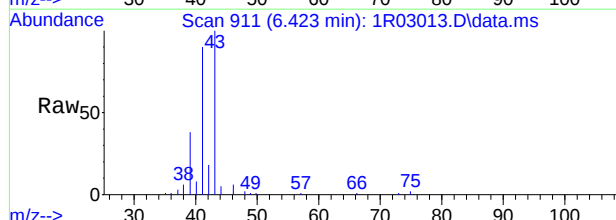
Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	35.3	95.3
127	8.6	0.0	39.5





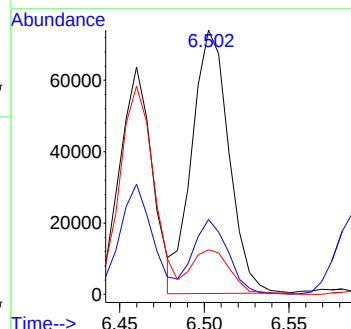
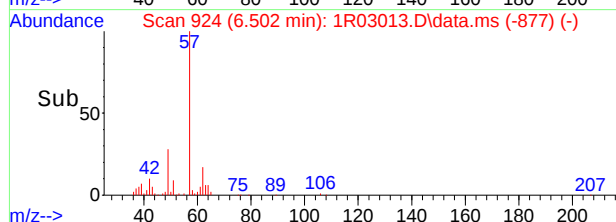
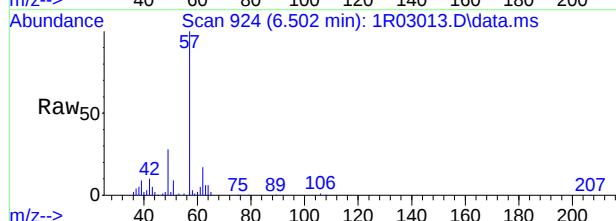
#68
2-nitropropane
Concen: 17.81 ug/L
RT: 6.423 min Scan# 911
Delta R.T. -0.007 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

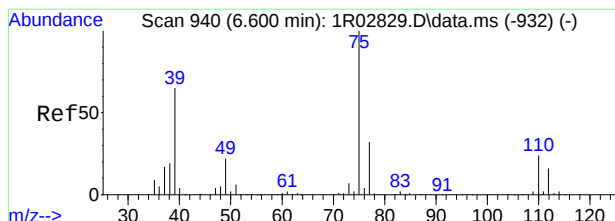
Tgt Ion	Ratio	Lower	Upper
41	100		
39	37.7	12.7	72.7
46	6.8	0.0	39.3



#69
epichlorohydrin
Concen: 103.57 ug/L
RT: 6.502 min Scan# 924
Delta R.T. -0.013 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

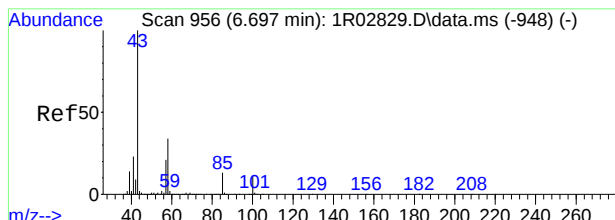
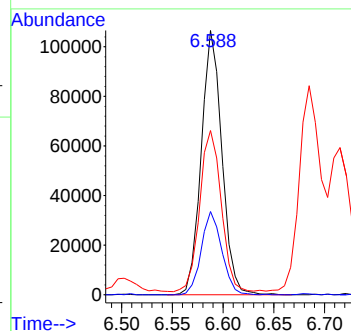
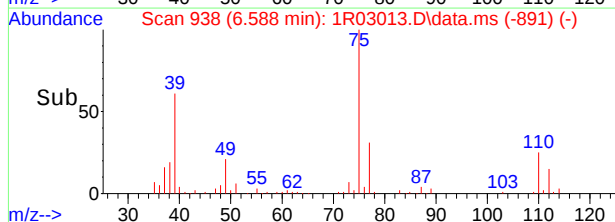
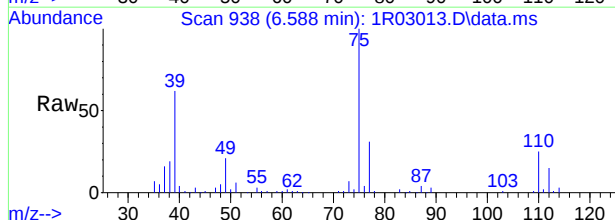
Tgt Ion	Ratio	Lower	Upper
57	100		
49	28.5	0.0	58.1
62	16.7	0.0	47.9





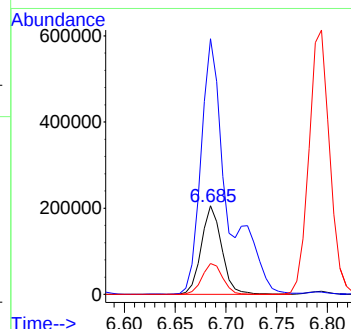
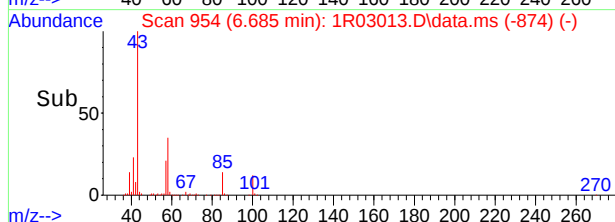
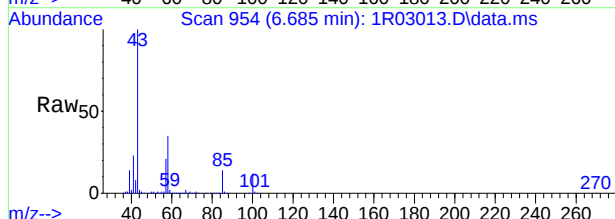
#70
cis-1,3-dichloropropene
Concen: 18.50 ug/L
RT: 6.588 min Scan# 938
Delta R.T. -0.012 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

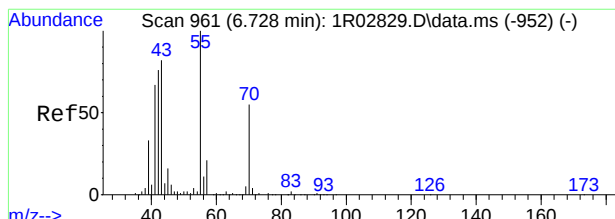
Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	2.1	62.1
39	60.8	34.8	94.8



#71
4-methyl-2-pentanone
Concen: 72.46 ug/L
RT: 6.685 min Scan# 954
Delta R.T. -0.012 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

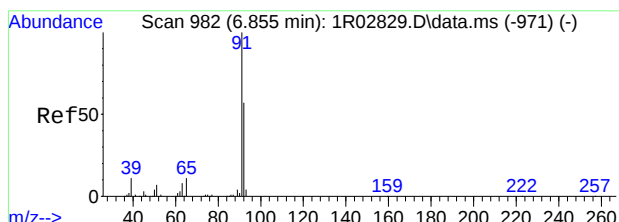
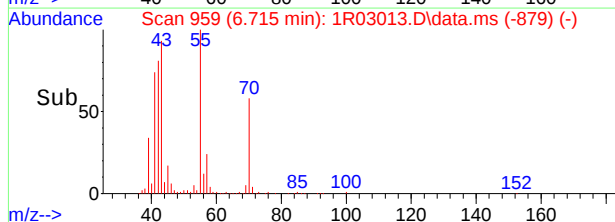
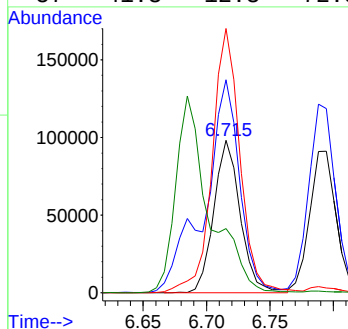
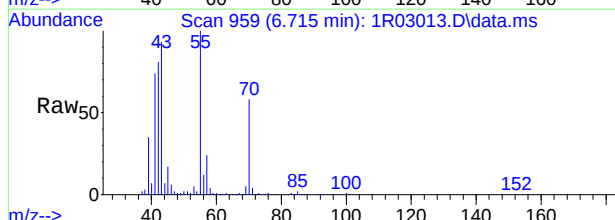
Tgt Ion	Ratio	Lower	Upper
58	100		
43	288.3	262.0	322.0
100	34.9	3.3	63.3





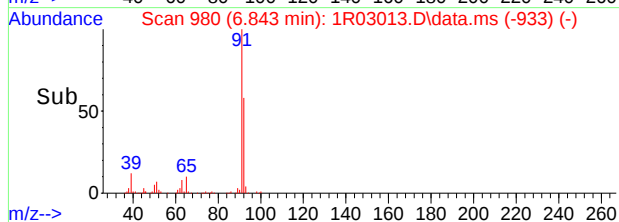
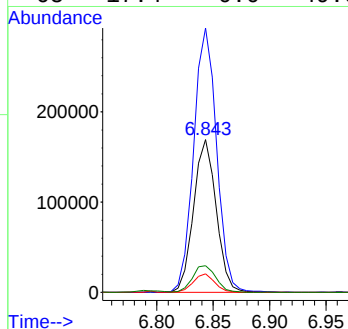
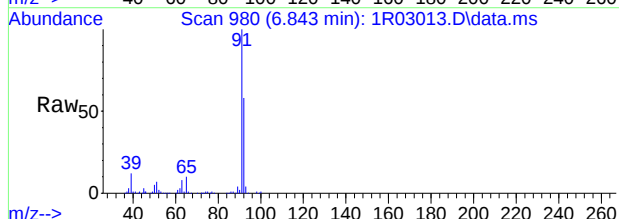
#72
isoamyl alcohol
Concen: 385.65 ug/L
RT: 6.715 min Scan# 959
Delta R.T. -0.013 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

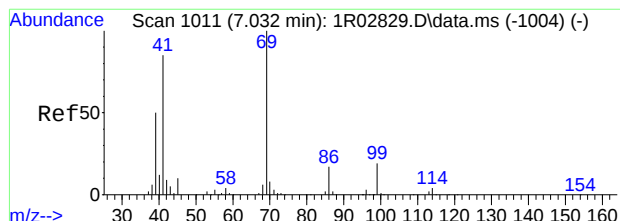
Tgt Ion:	70	Resp:	142804
Ion	Ratio	Lower	Upper
70	100		
42	136.7	108.4	168.4
55	172.4	150.6	210.6
57	41.3	12.3	72.3



#75
toluene
Concen: 17.46 ug/L
RT: 6.843 min Scan# 980
Delta R.T. -0.012 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

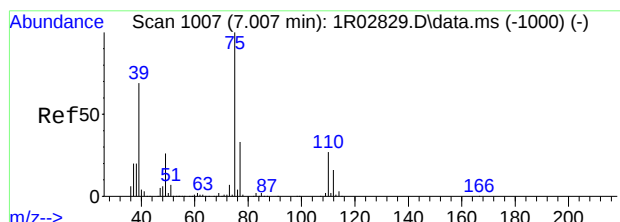
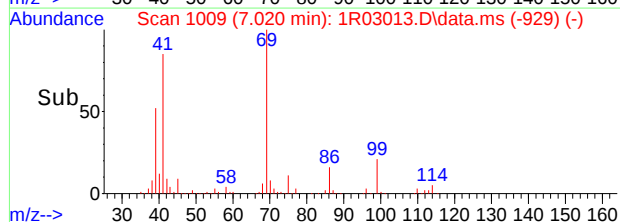
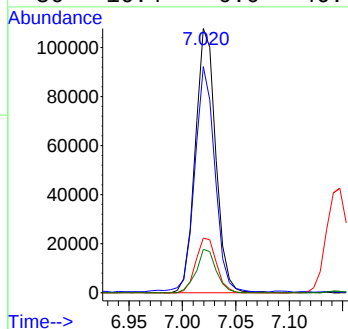
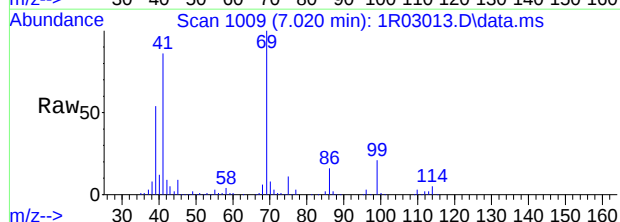
Tgt Ion:	92	Resp:	236969
Ion	Ratio	Lower	Upper
92	100		
91	173.1	155.7	195.7
51	12.1	0.0	43.1
65	17.4	0.0	49.0





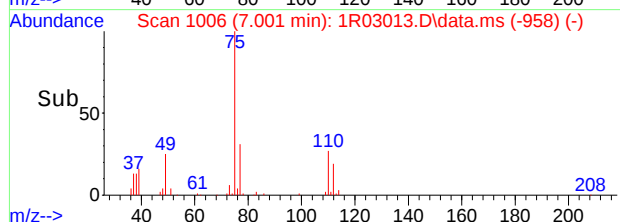
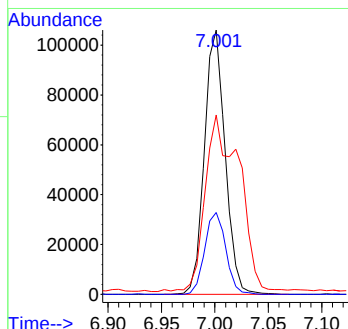
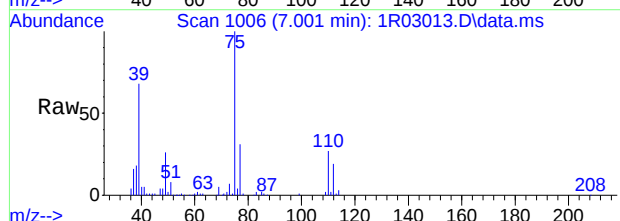
#76
ethyl methacrylate
Concen: 19.38 ug/L
RT: 7.020 min Scan# 1009
Delta R.T. -0.012 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

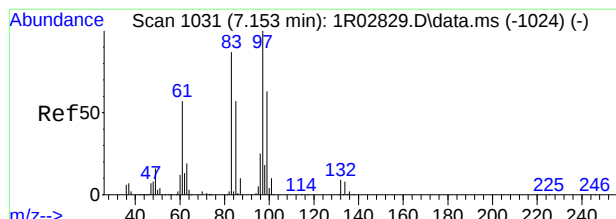
Tgt Ion: 69 Resp: 143509
Ion Ratio Lower Upper
69 100
41 85.0 65.8 105.8
99 20.7 0.0 39.3
86 16.4 0.0 46.7



#77
trans-1,3-dichloropropene
Concen: 19.75 ug/L
RT: 7.001 min Scan# 1006
Delta R.T. -0.006 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

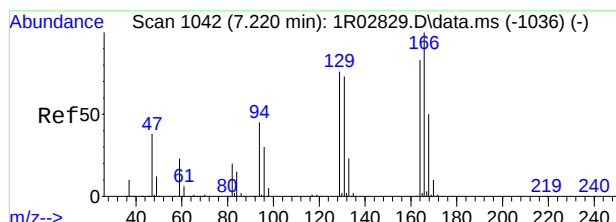
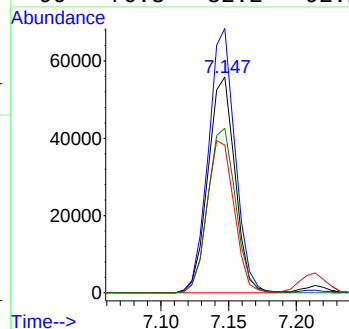
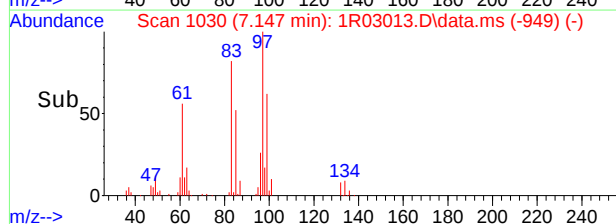
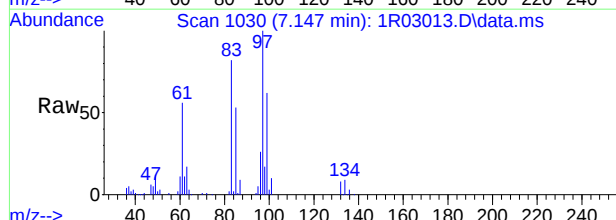
Tgt Ion: 75 Resp: 143450
Ion Ratio Lower Upper
75 100
77 30.9 12.7 52.7
39 66.3 39.0 99.0





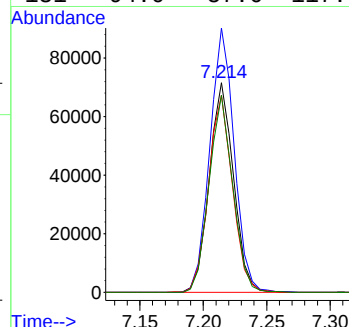
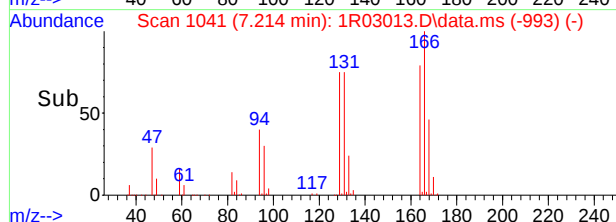
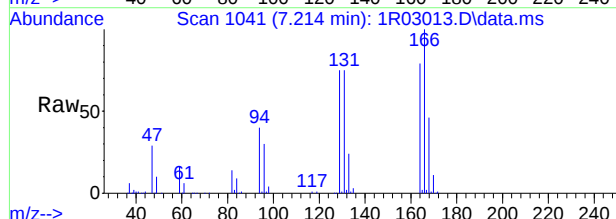
#78
1,1,2-trichloroethane
Concen: 18.34 ug/L
RT: 7.147 min Scan# 1030
Delta R.T. -0.006 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

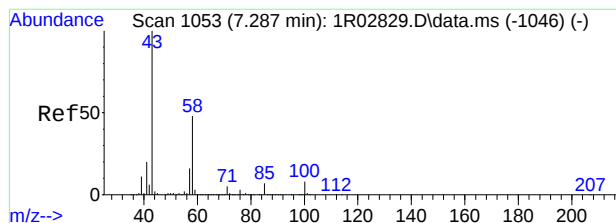
Tgt Ion:	83	Resp:	77870
Ion	Ratio	Lower	Upper
83	100		
97	122.5	95.6	135.6
61	68.5	46.3	86.3
99	76.3	52.2	92.2



#79
tetrachloroethene
Concen: 17.76 ug/L
RT: 7.214 min Scan# 1041
Delta R.T. -0.006 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

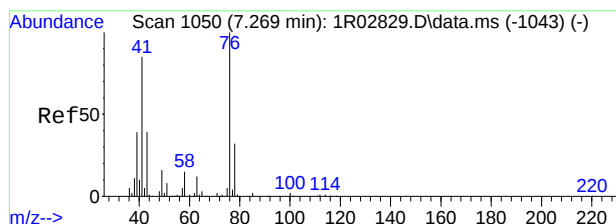
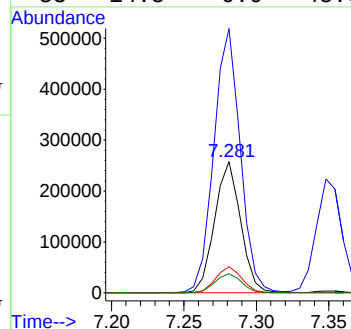
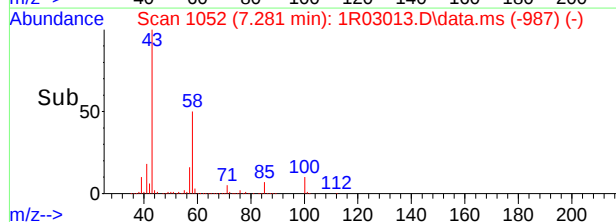
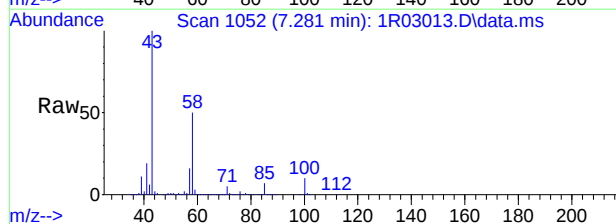
Tgt Ion:	164	Resp:	94952
Ion	Ratio	Lower	Upper
164	100		
166	126.1	90.9	150.9
129	94.1	61.6	121.6
131	94.0	57.6	117.6





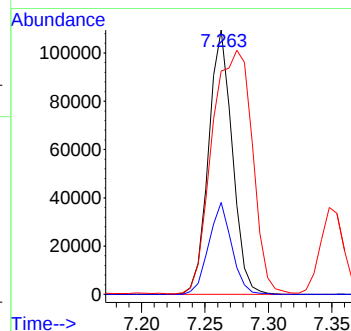
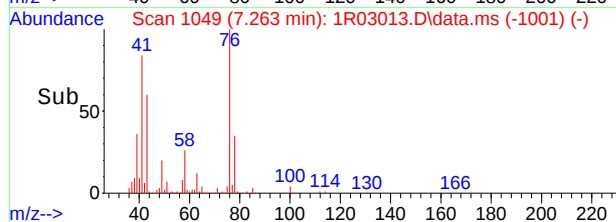
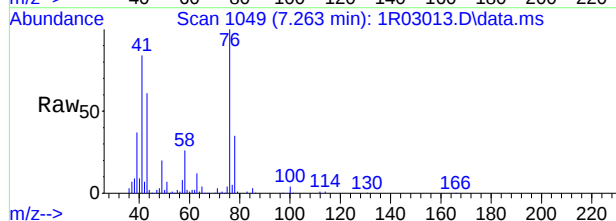
#80
2-hexanone
Concen: 75.38 ug/L
RT: 7.281 min Scan# 1052
Delta R.T. -0.006 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

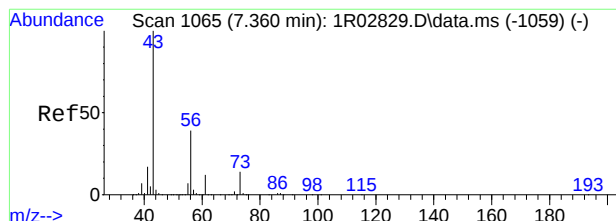
Tgt Ion: 58 Resp: 323216
Ion Ratio Lower Upper
58 100
43 201.3 189.4 229.4
100 19.9 0.0 37.4
85 14.5 0.0 43.6



#81
1,3-dichloropropane
Concen: 18.83 ug/L
RT: 7.263 min Scan# 1049
Delta R.T. -0.006 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

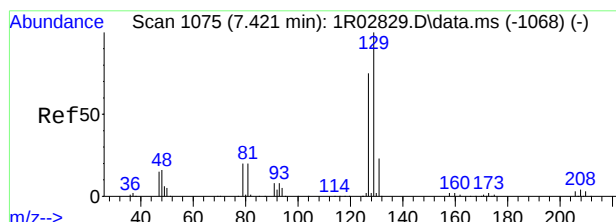
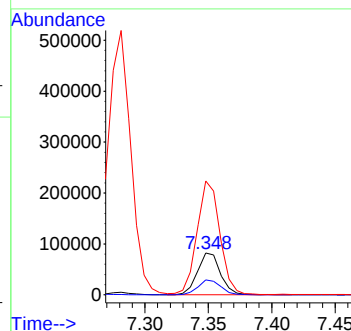
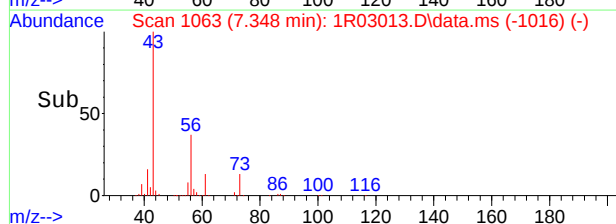
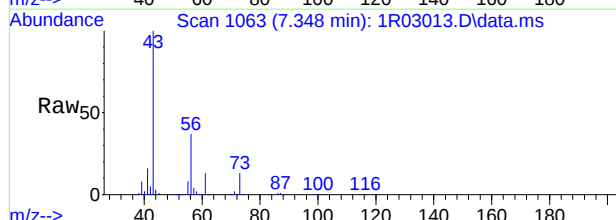
Tgt Ion: 76 Resp: 142783
Ion Ratio Lower Upper
76 100
78 34.7 2.0 62.0
41 84.3 55.0 115.0





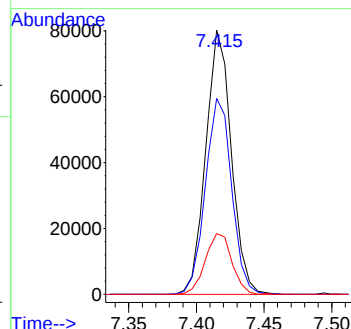
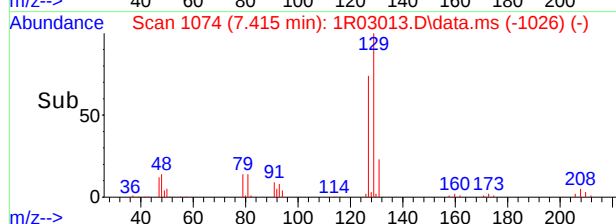
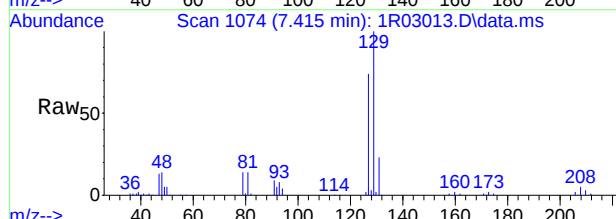
#82
butyl acetate
Concen: 18.42 ug/L
RT: 7.348 min Scan# 1063
Delta R.T. -0.012 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

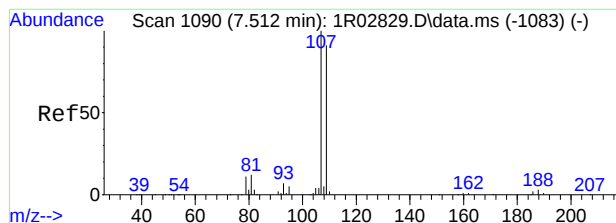
Tgt Ion: 56 Resp: 103452
Ion Ratio Lower Upper
56 100
73 35.7 5.7 65.7
43 271.8 231.6 291.6



#83
dibromochloromethane
Concen: 19.75 ug/L
RT: 7.415 min Scan# 1074
Delta R.T. -0.006 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

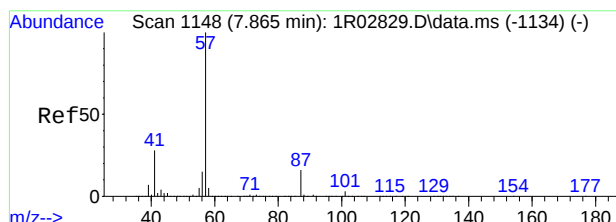
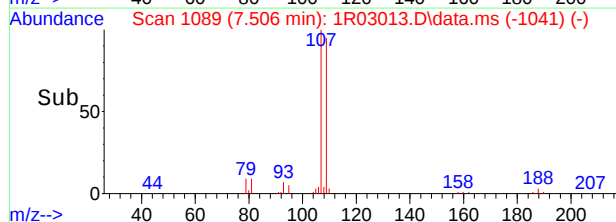
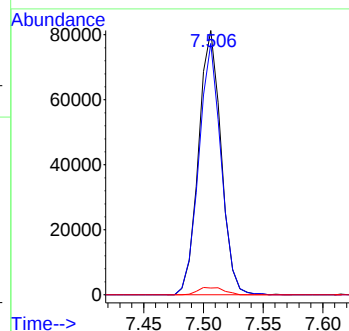
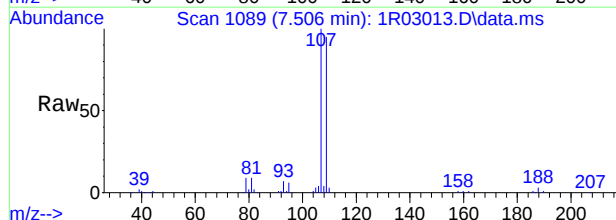
Tgt Ion: 129 Resp: 105605
Ion Ratio Lower Upper
129 100
127 74.1 44.7 104.7
131 23.0 0.0 52.7





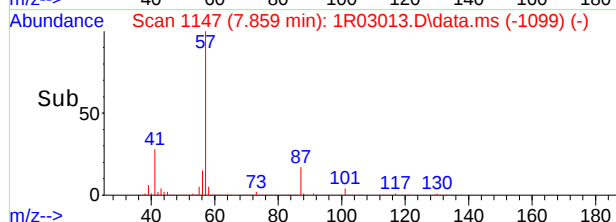
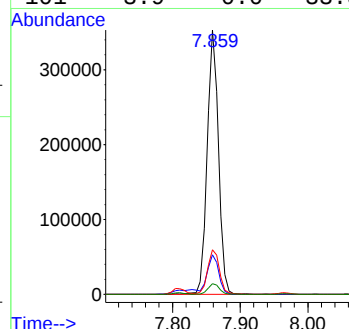
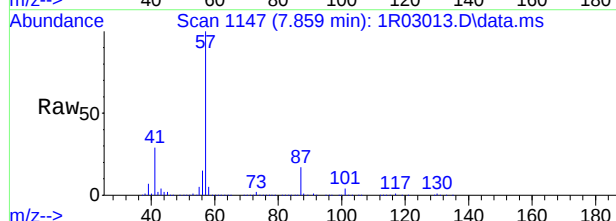
#84
1,2-dibromoethane
Concen: 20.93 ug/L
RT: 7.506 min Scan# 1089
Delta R.T. -0.006 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

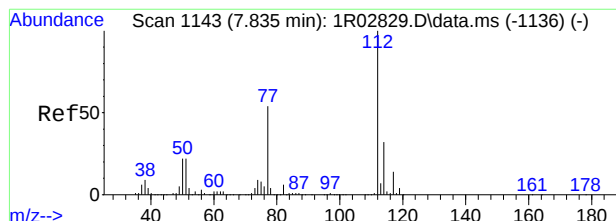
Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.1	60.9	120.9
188	2.6	0.0	33.1



#85
n-butyl ether
Concen: 17.06 ug/L
RT: 7.859 min Scan# 1147
Delta R.T. -0.006 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

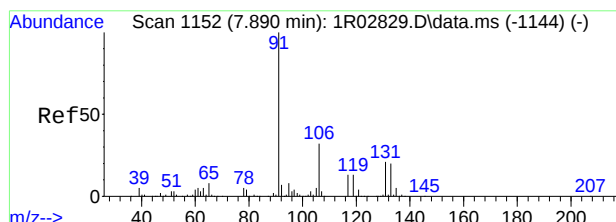
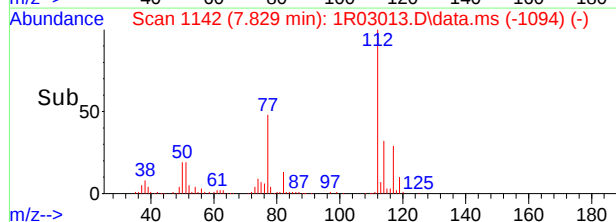
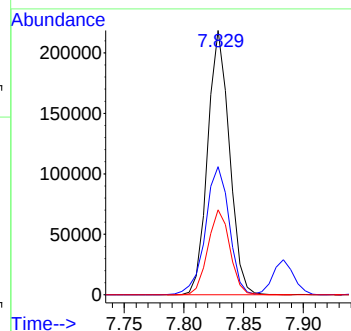
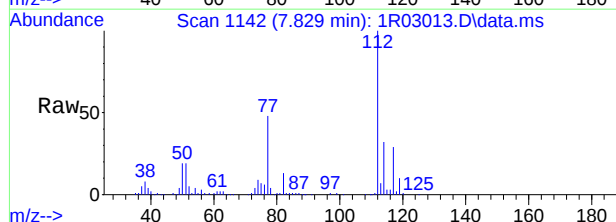
Tgt Ion	Ratio	Lower	Upper
57	100		
56	15.0	0.0	34.6
87	16.6	0.0	46.2
101	3.9	0.0	33.3





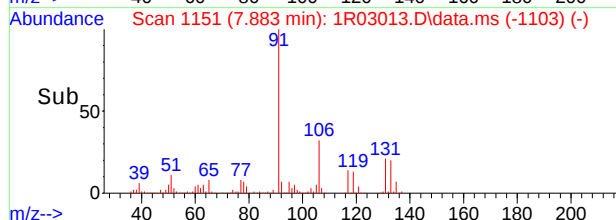
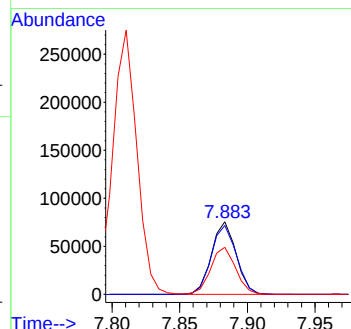
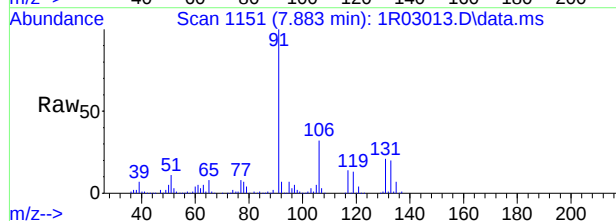
#86
chlorobenzene
Concen: 18.40 ug/L
RT: 7.829 min Scan# 1142
Delta R.T. -0.006 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

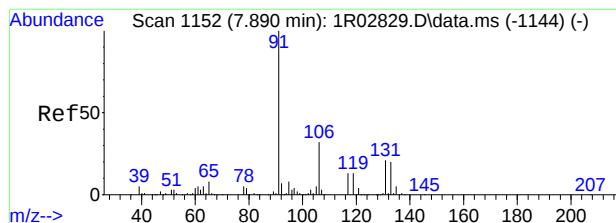
Tgt Ion	Ratio	Lower	Upper
112	100		
77	48.4	23.5	83.5
114	32.2	1.8	61.8



#87
1,1,1,2-tetrachloroethane
Concen: 18.14 ug/L
RT: 7.883 min Scan# 1151
Delta R.T. -0.007 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

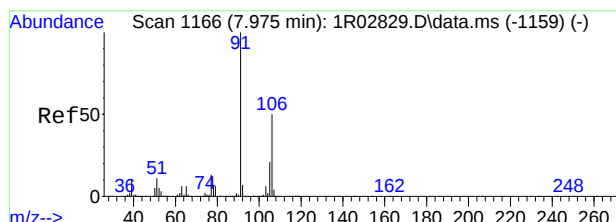
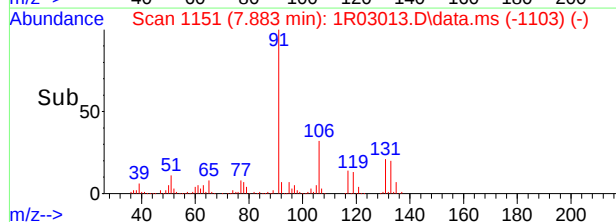
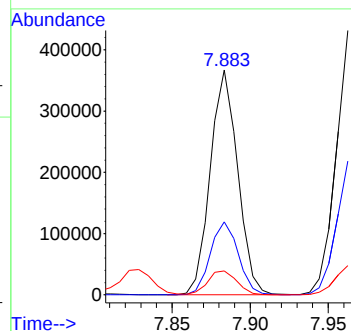
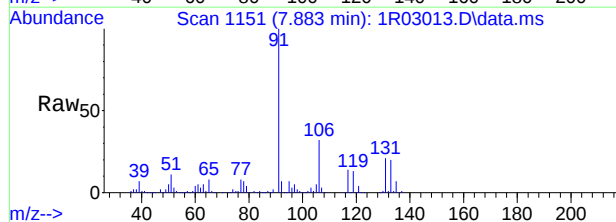
Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.1	65.6	125.6
119	64.6	35.8	95.8





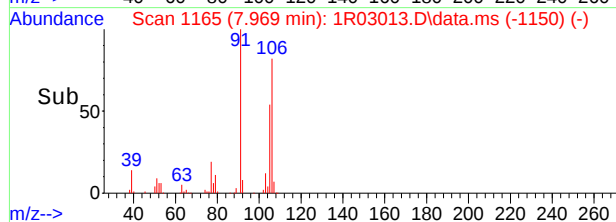
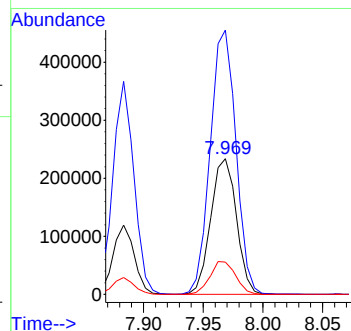
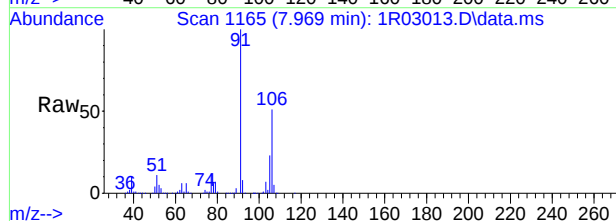
#88
ethylbenzene
Concen: 17.93 ug/L
RT: 7.883 min Scan# 1151
Delta R.T. -0.007 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

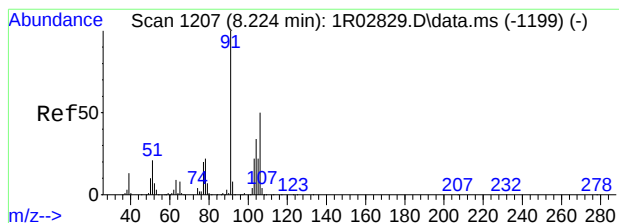
Tgt Ion: 91 Resp: 447245
Ion Ratio Lower Upper
91 100
106 32.5 2.1 62.1
51 10.7 0.0 41.5



#89
m,p-xylene
Concen: 36.07 ug/L
RT: 7.969 min Scan# 1165
Delta R.T. -0.006 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

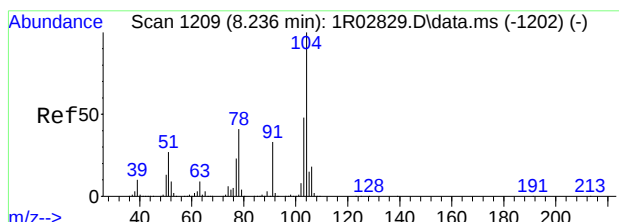
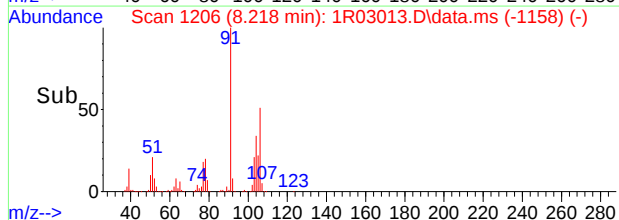
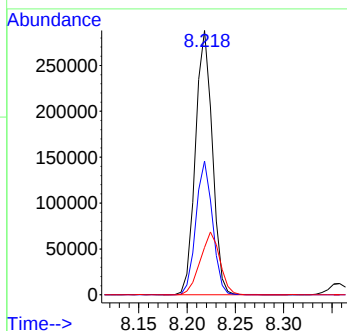
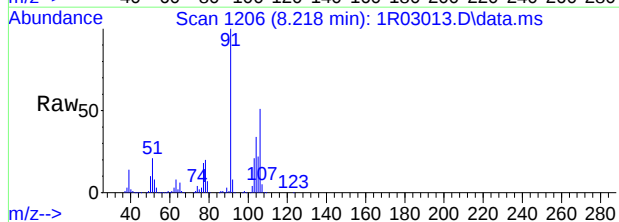
Tgt Ion: 106 Resp: 349303
Ion Ratio Lower Upper
106 100
91 194.7 168.6 228.6
77 23.8 0.0 55.1





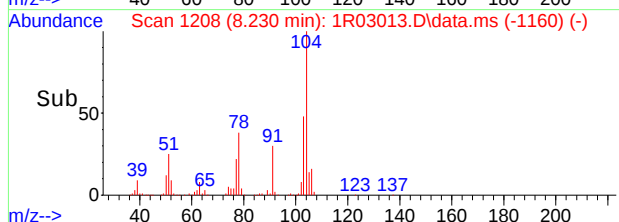
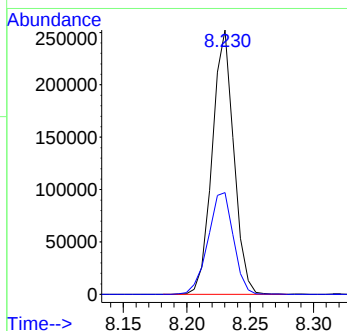
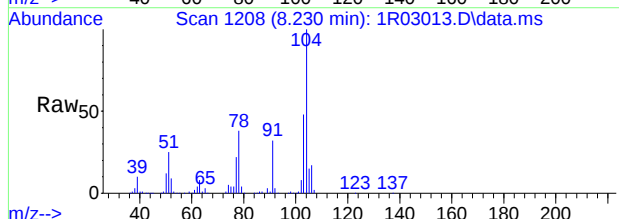
#90
o-xylene
Concen: 18.20 ug/L
RT: 8.218 min Scan# 1206
Delta R.T. -0.006 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

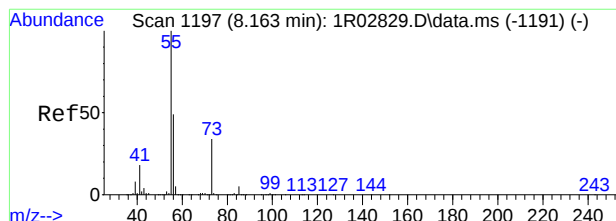
Tgt	Ion	91	Resp	350219
Ion	Ratio	Lower	Upper	
91	100			
106	50.6	20.2	80.2	
77	18.0	0.0	50.1	



#91
styrene
Concen: 18.42 ug/L
RT: 8.230 min Scan# 1208
Delta R.T. -0.006 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

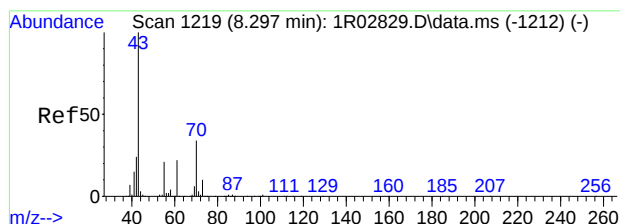
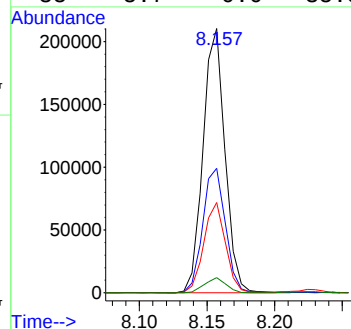
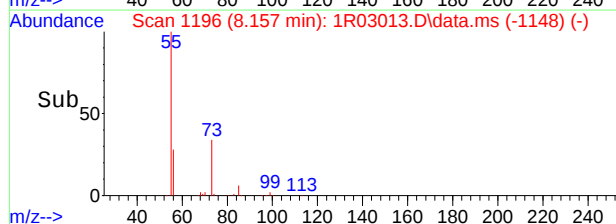
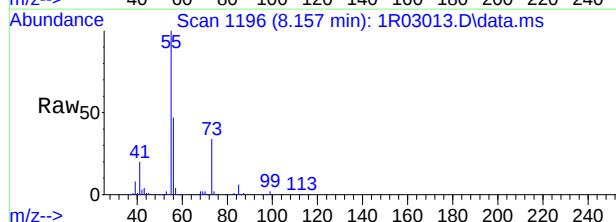
Tgt	Ion	104	Resp	297520
Ion	Ratio	Lower	Upper	
104	100			
78	38.5	11.4	71.4	





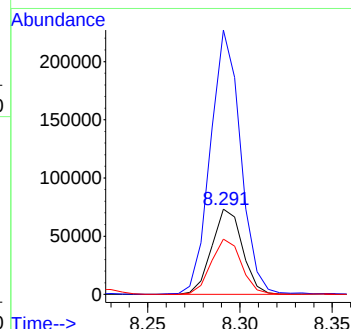
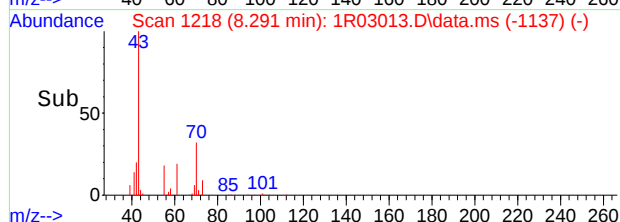
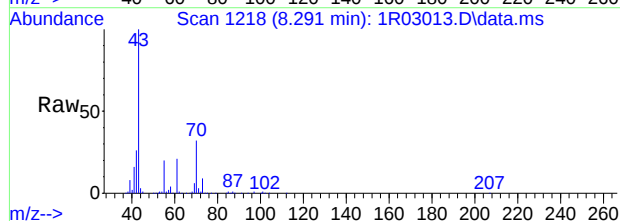
#92
butyl acrylate
Concen: 18.86 ug/L
RT: 8.157 min Scan# 1196
Delta R.T. -0.006 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

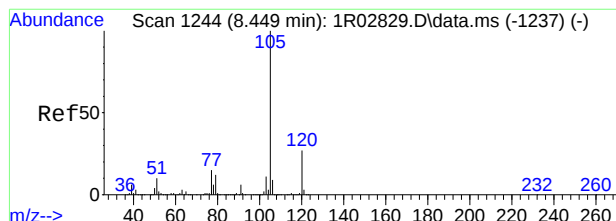
Tgt	Ion	55	Resp:	237949
	Ratio	100	Lower	Upper
	56	47.0	29.3	69.3
	73	34.1	14.0	54.0
	85	5.7	0.0	35.5



#93
n-amyl acetate
Concen: 17.58 ug/L
RT: 8.291 min Scan# 1218
Delta R.T. -0.006 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

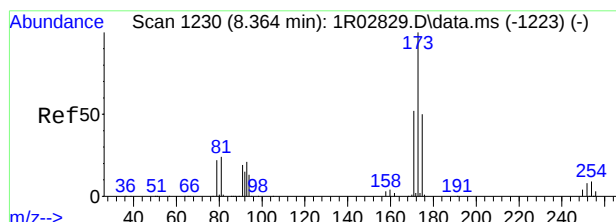
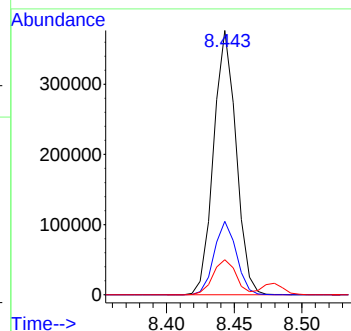
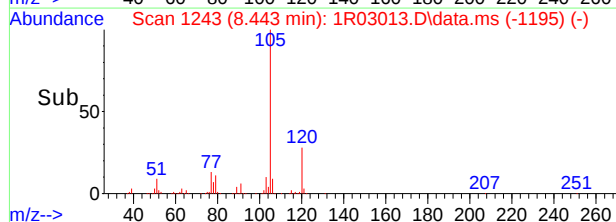
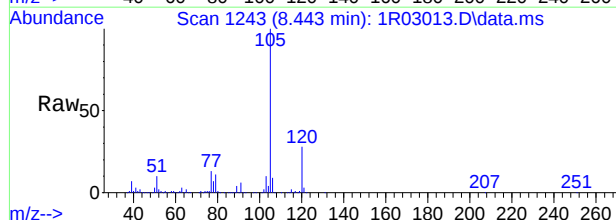
Tgt	Ion	70	Resp:	84897
	Ratio	100	Lower	Upper
	43	309.3	265.3	325.3
	61	64.6	35.5	95.5





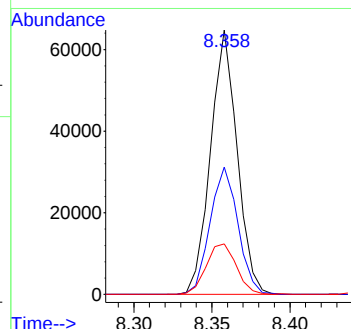
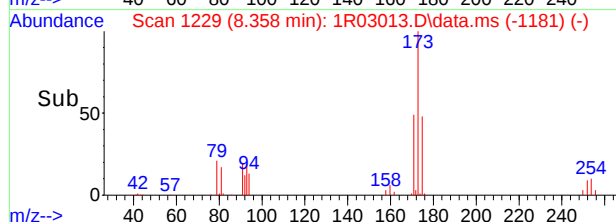
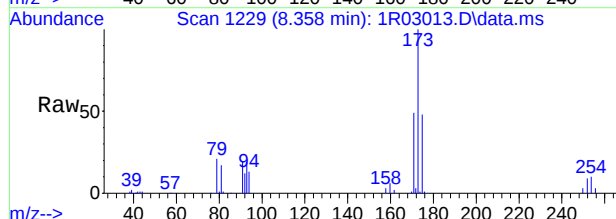
#94
isopropylbenzene
Concen: 19.29 ug/L
RT: 8.443 min Scan# 1243
Delta R.T. -0.006 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

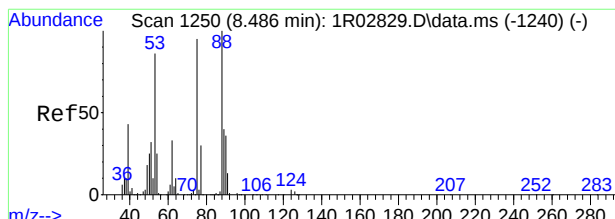
Tgt Ion	105	120	77
Ion	105	120	77
Ratio	100	27.8	13.3
Resp: Lower	435640	7.3	0.0
Upper		47.3	34.6



#95
bromoform
Concen: 18.01 ug/L
RT: 8.358 min Scan# 1229
Delta R.T. -0.006 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

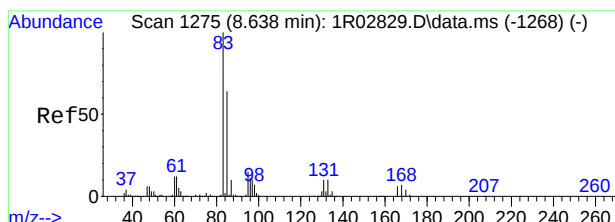
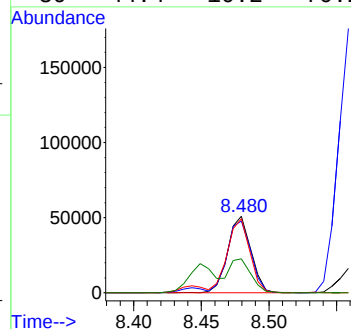
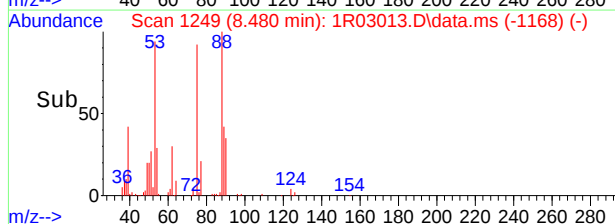
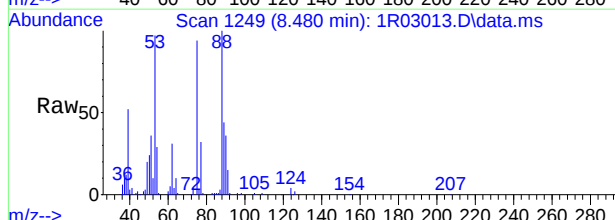
Tgt Ion	173	175	93
Ion	173	175	93
Ratio	100	48.1	19.1
Resp: Lower	76525	20.2	0.0
Upper		80.2	50.5





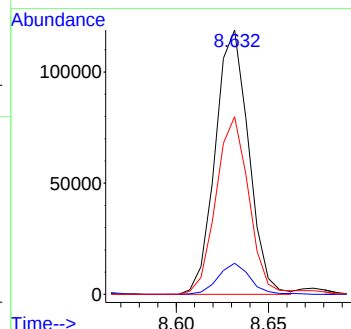
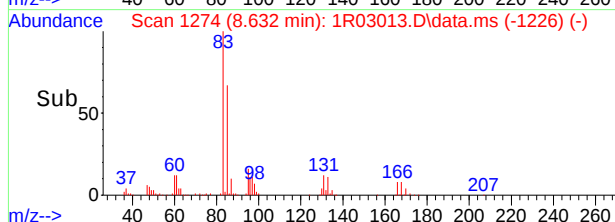
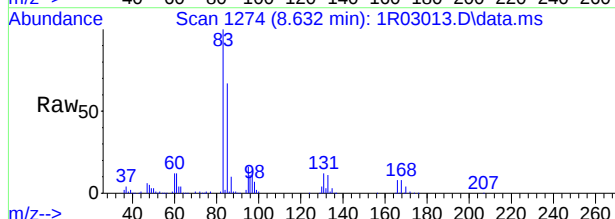
#96
 cis-1,4-dichloro-2-butene
 Concen: 19.26 ug/L
 RT: 8.480 min Scan# 1249
 Delta R.T. -0.006 min
 Lab File: 1R03013.D
 Acq: 4 Apr 2023 9:38 am

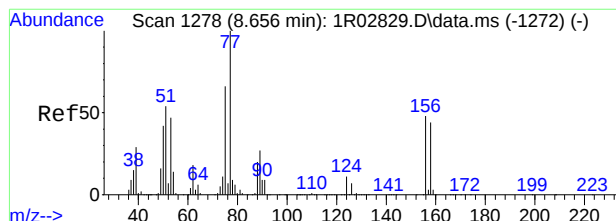
Tgt Ion:	88	Resp:	60960
Ion Ratio	Lower	Upper	
88	100		
75	93.1	74.9	114.9
53	96.3	66.4	106.4
89	44.4	10.2	70.2



#99
 1,1,2,2-tetrachloroethane
 Concen: 19.04 ug/L
 RT: 8.632 min Scan# 1274
 Delta R.T. -0.006 min
 Lab File: 1R03013.D
 Acq: 4 Apr 2023 9:38 am

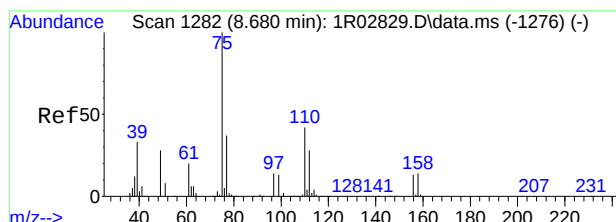
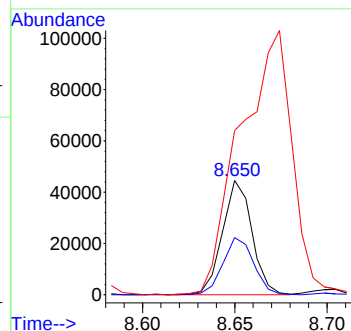
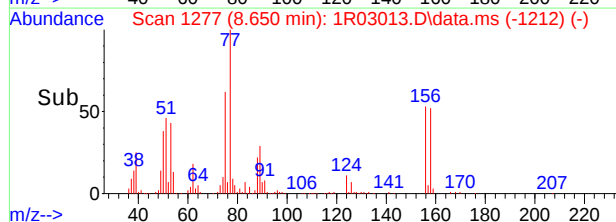
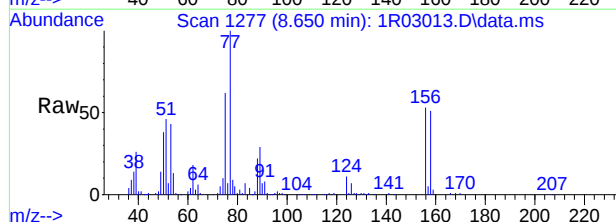
Tgt Ion:	83	Resp:	149563
Ion Ratio	Lower	Upper	
83	100		
131	11.8	0.0	40.3
85	67.2	34.2	94.2





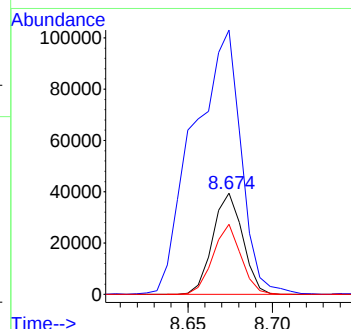
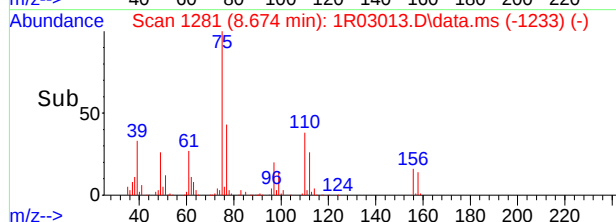
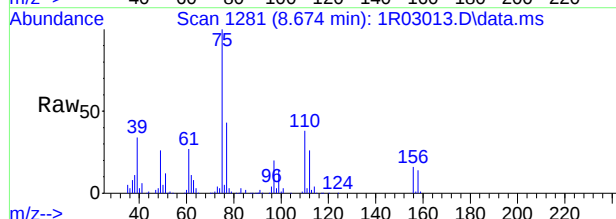
#100
trans-1,4-dichloro-2-butene
Concen: 18.85 ug/L
RT: 8.650 min Scan# 1277
Delta R.T. -0.006 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

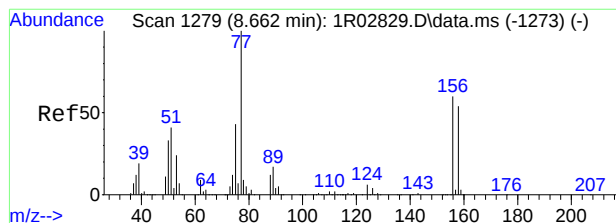
Tgt Ion: 53 Resp: 49796
Ion Ratio Lower Upper
53 100
88 49.9 12.5 72.5
75 143.5 108.7 168.7



#101
1,2,3-trichloropropane
Concen: 20.87 ug/L
RT: 8.674 min Scan# 1281
Delta R.T. -0.006 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

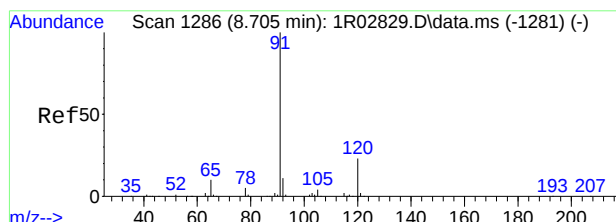
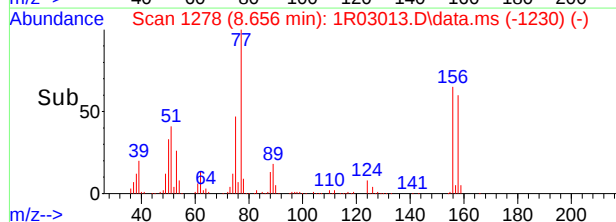
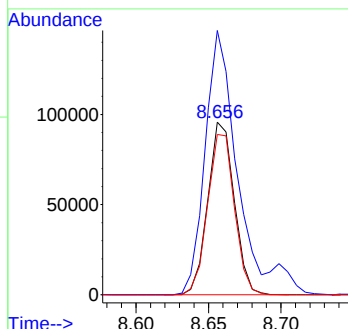
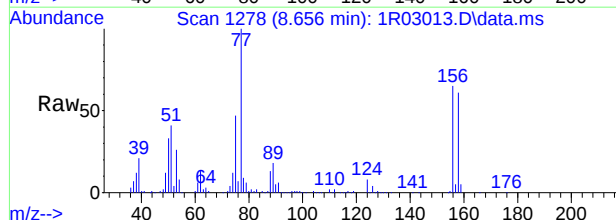
Tgt Ion: 110 Resp: 48595
Ion Ratio Lower Upper
110 100
75 258.0 240.9 300.9
112 69.1 36.2 96.2





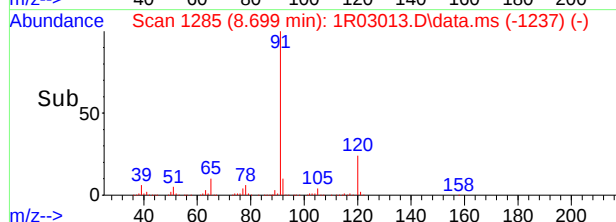
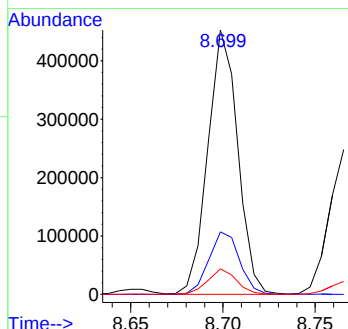
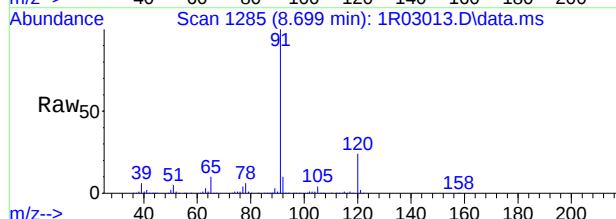
#102
bromobenzene
Concen: 19.70 ug/L
RT: 8.656 min Scan# 1278
Delta R.T. -0.006 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

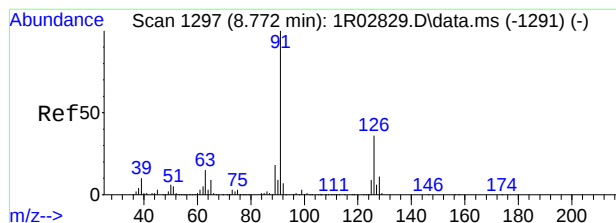
Tgt Ion: 156 Resp: 121700
Ion Ratio Lower Upper
156 100
77 153.0 135.5 195.5
158 92.8 59.6 119.6



#103
n-propylbenzene
Concen: 19.14 ug/L
RT: 8.699 min Scan# 1285
Delta R.T. -0.006 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

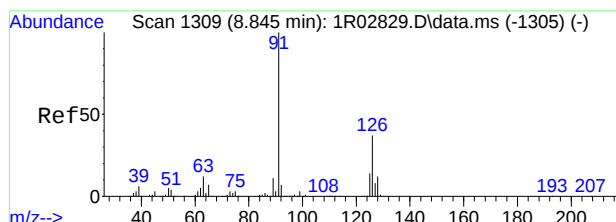
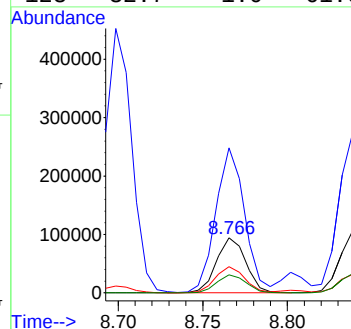
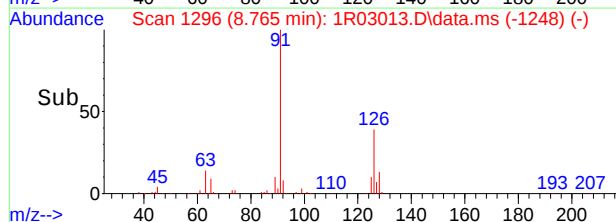
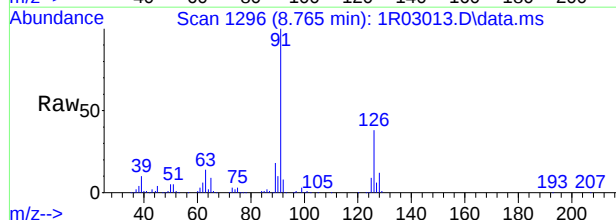
Tgt Ion: 91 Resp: 511242
Ion Ratio Lower Upper
91 100
120 23.7 0.0 53.4
65 9.7 0.0 39.9





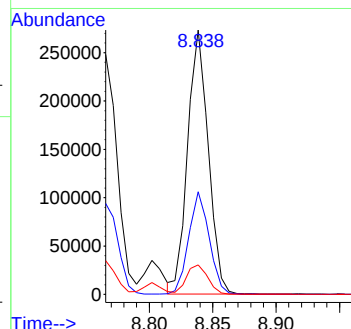
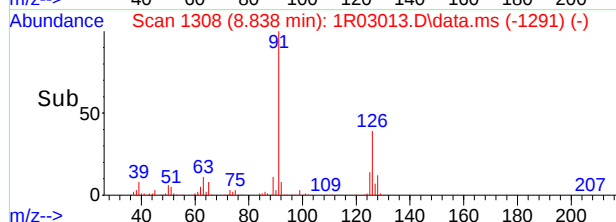
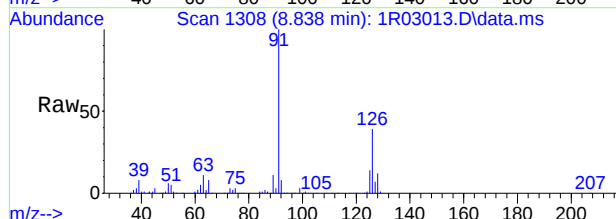
#104
2-chlorotoluene
Concen: 20.61 ug/L
RT: 8.765 min Scan# 1296
Delta R.T. -0.007 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

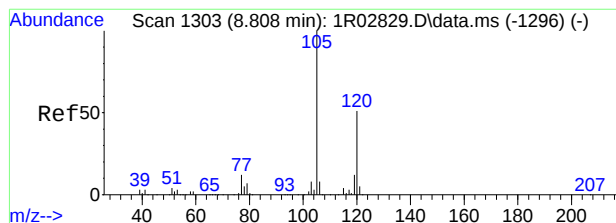
Tgt Ion: 126 Resp: 113856
Ion Ratio Lower Upper
126 100
91 261.7 245.8 305.8
89 47.6 20.3 80.3
128 32.7 1.0 61.0



#105
4-chlorotoluene
Concen: 18.87 ug/L
RT: 8.838 min Scan# 1308
Delta R.T. -0.007 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

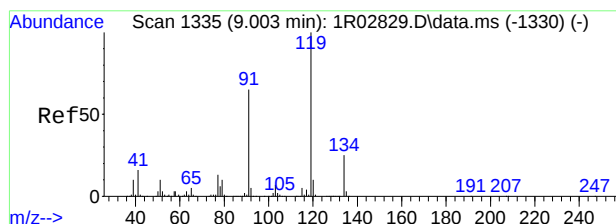
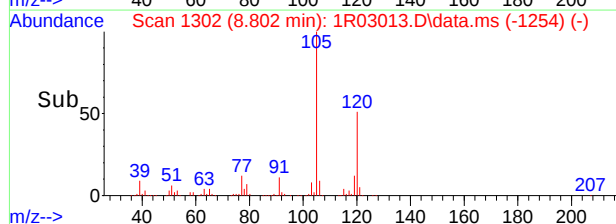
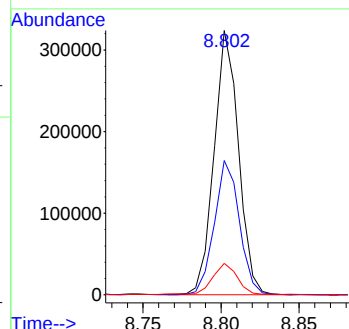
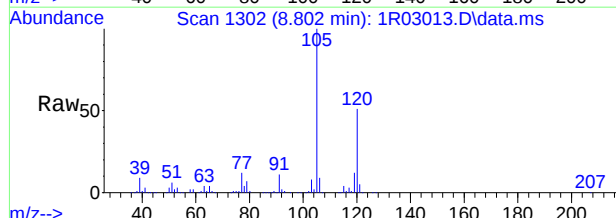
Tgt Ion: 91 Resp: 309613
Ion Ratio Lower Upper
91 100
126 38.8 6.1 66.1
63 11.2 0.0 42.9





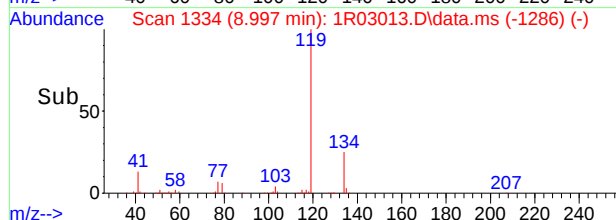
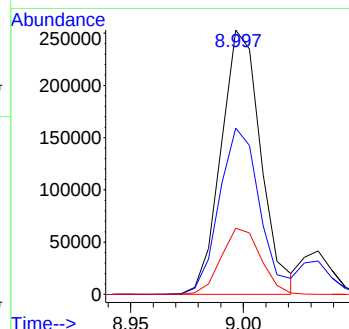
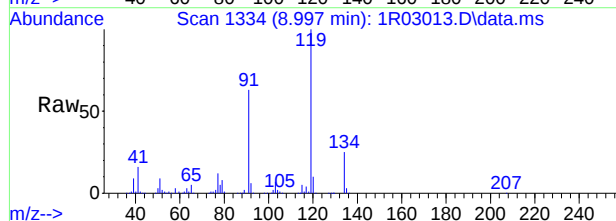
#106
1,3,5-trimethylbenzene
Concen: 19.13 ug/L
RT: 8.802 min Scan# 1302
Delta R.T. -0.006 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

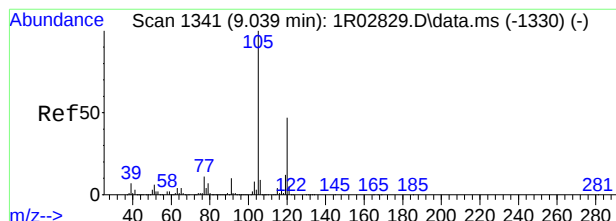
Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.8	21.2	81.2
77	11.6	0.0	42.1



#107
tert-butylbenzene
Concen: 19.40 ug/L
RT: 8.997 min Scan# 1334
Delta R.T. -0.006 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

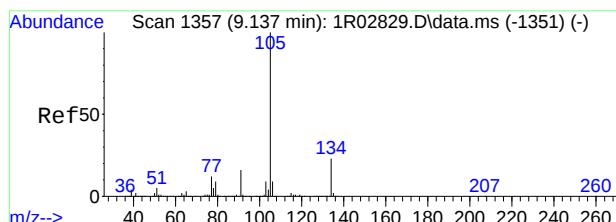
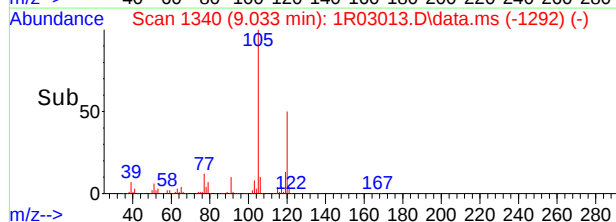
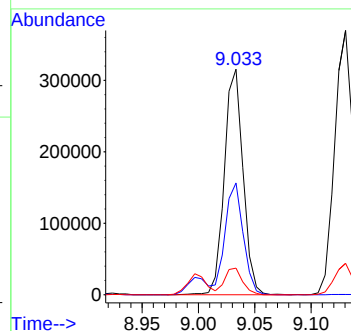
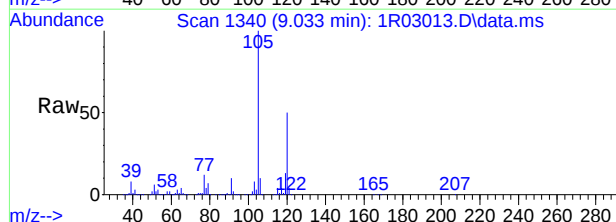
Tgt Ion	Ratio	Lower	Upper
119	100		
91	62.7	35.1	95.1
134	25.0	0.0	55.0





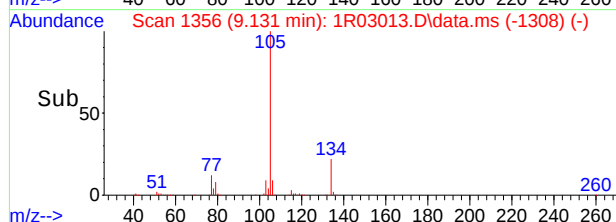
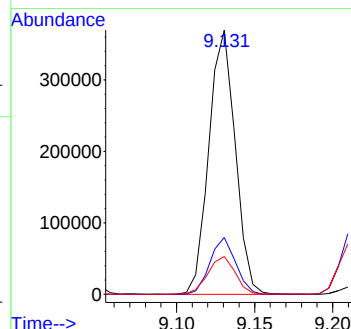
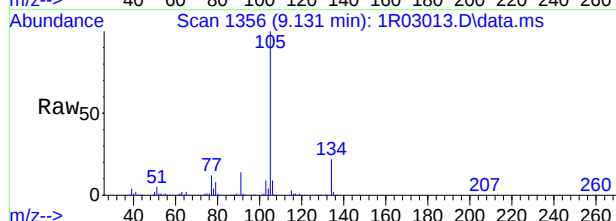
#108
1,2,4-trimethylbenzene
Concen: 19.55 ug/L
RT: 9.033 min Scan# 1340
Delta R.T. -0.006 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

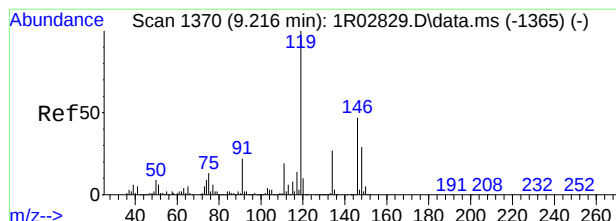
Tgt	Ion:105	Resp:	365862
Ion	Ratio	Lower	Upper
105	100		
120	49.6	17.3	77.3
77	11.9	0.0	40.8



#109
sec-butylbenzene
Concen: 19.83 ug/L
RT: 9.131 min Scan# 1356
Delta R.T. -0.006 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

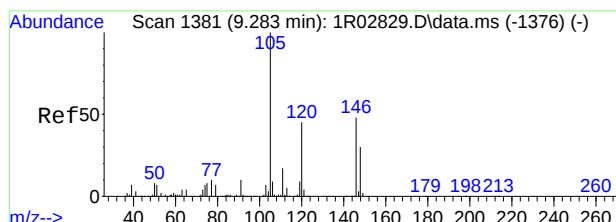
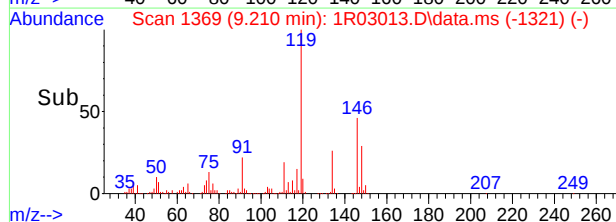
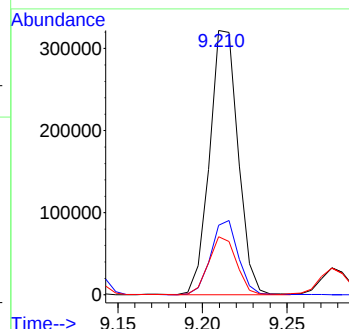
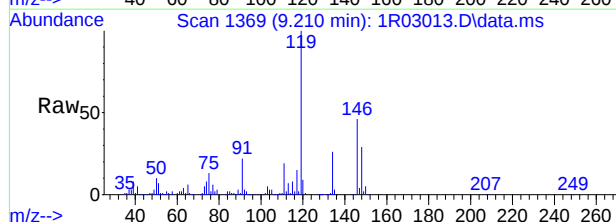
Tgt	Ion:105	Resp:	433894
Ion	Ratio	Lower	Upper
105	100		
134	21.6	0.0	52.8
91	14.3	0.0	45.8





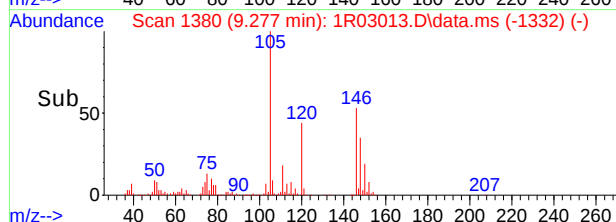
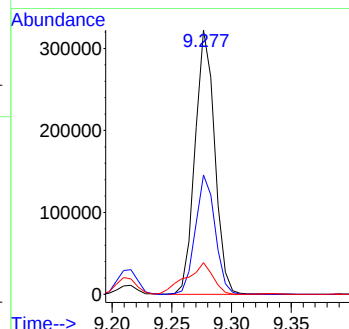
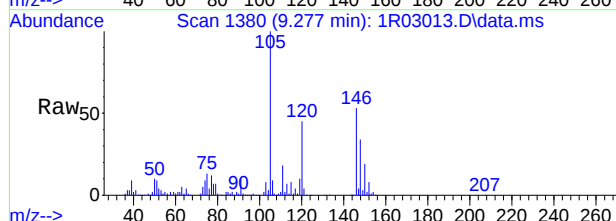
#110
p-isopropyltoluene
Concen: 18.90 ug/L
RT: 9.210 min Scan# 1369
Delta R.T. -0.006 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

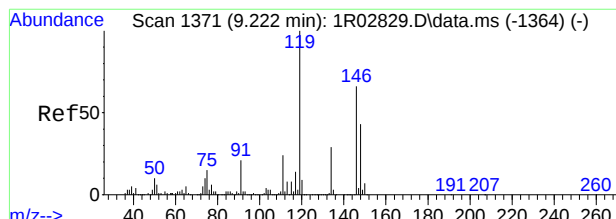
Tgt Ion	Ratio	Resp	Lower	Upper
119	100	378667		
134	26.4		0.0	57.1
91	21.9		0.0	52.0



#111
1,2,3-trimethylbenzene
Concen: 18.52 ug/L
RT: 9.277 min Scan# 1380
Delta R.T. -0.006 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

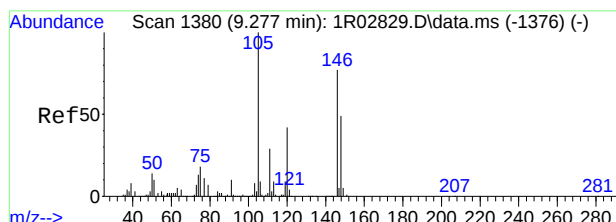
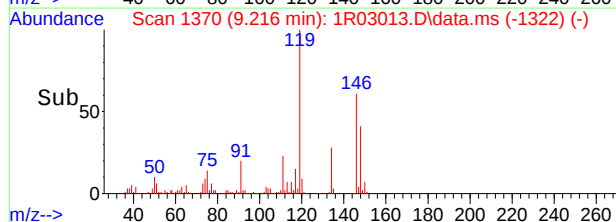
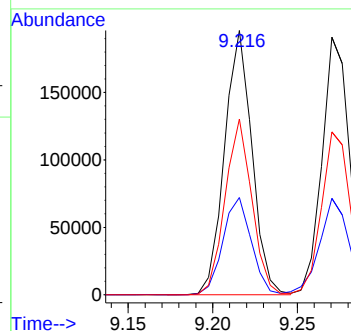
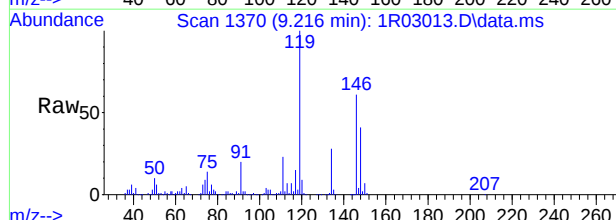
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	369350		
120	45.1		14.6	74.6
77	12.0		0.0	41.2





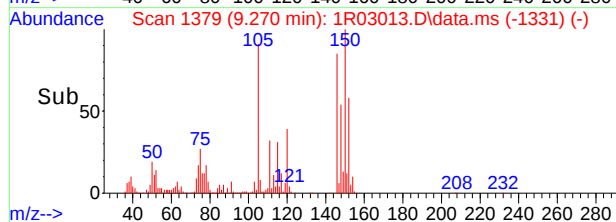
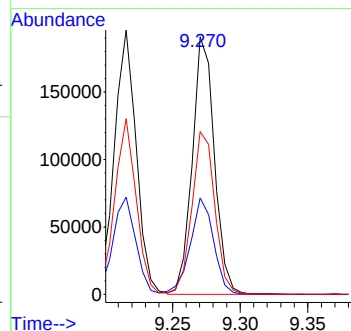
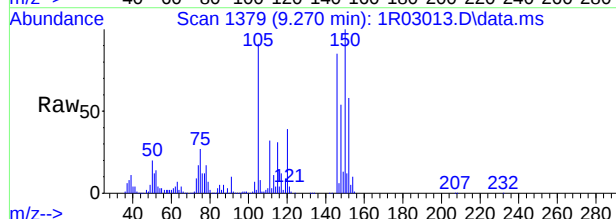
#112
1,3-dichlorobenzene
Concen: 18.62 ug/L
RT: 9.216 min Scan# 1370
Delta R.T. -0.006 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

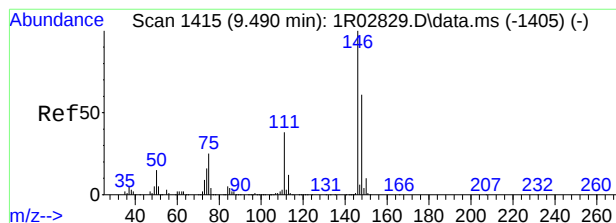
Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	6.4	66.4
148	66.5	34.2	94.2



#113
1,4-dichlorobenzene
Concen: 17.89 ug/L
RT: 9.270 min Scan# 1379
Delta R.T. -0.007 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

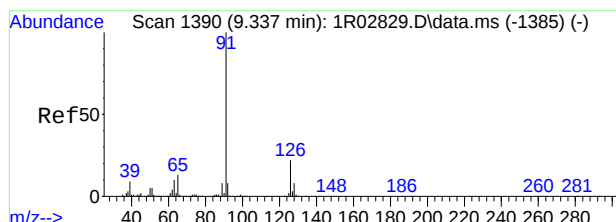
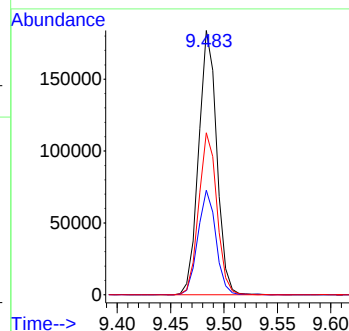
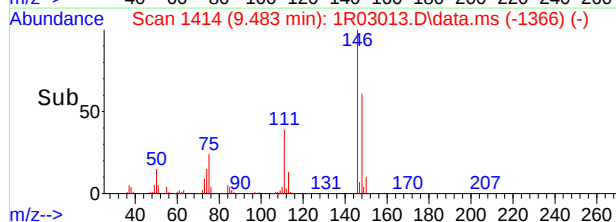
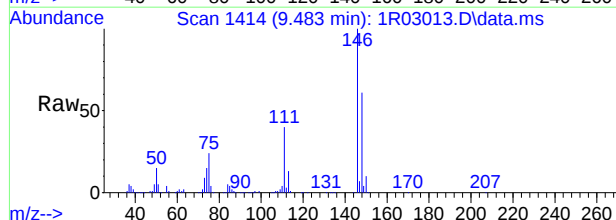
Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	8.4	68.4
148	63.3	33.6	93.6





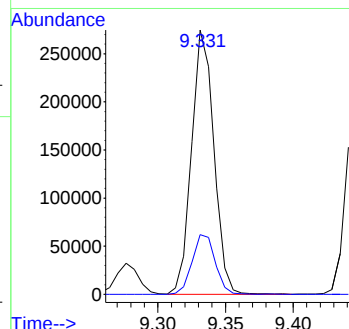
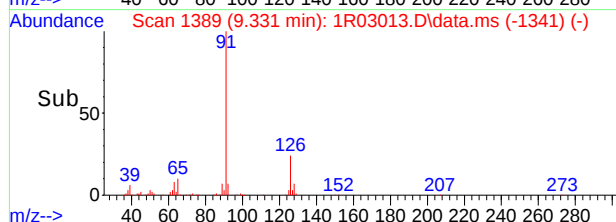
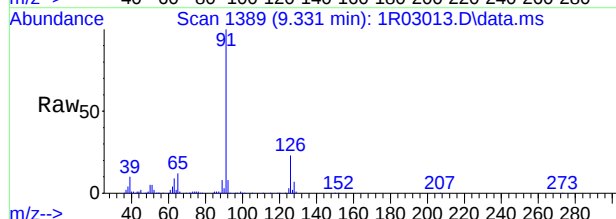
#114
1,2-dichlorobenzene
Concen: 19.93 ug/L
RT: 9.483 min Scan# 1414
Delta R.T. -0.007 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

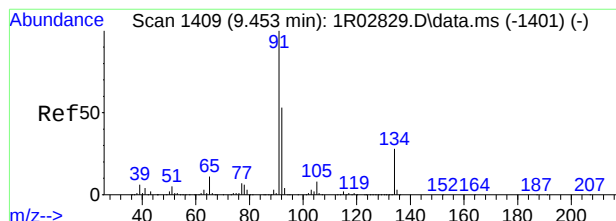
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	7.8	67.8
148	61.3	31.0	91.0



#115
benzyl chloride
Concen: 21.53 ug/L
RT: 9.331 min Scan# 1389
Delta R.T. -0.006 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

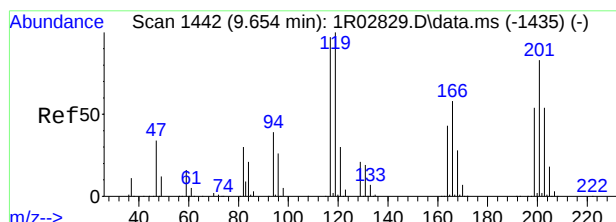
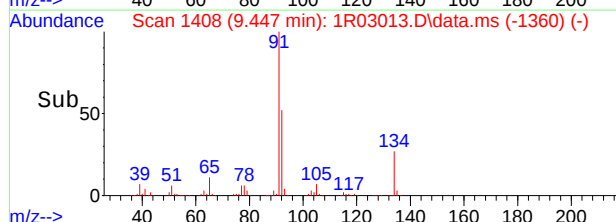
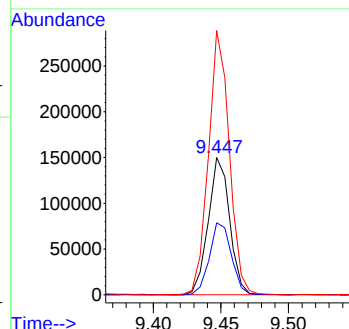
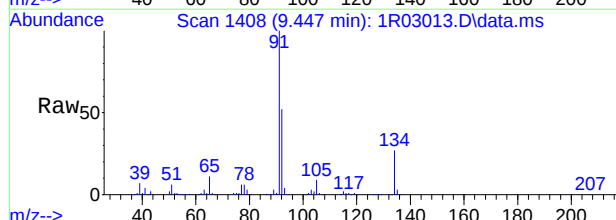
Tgt Ion	Ratio	Lower	Upper
91	100		
126	22.6	0.0	51.9





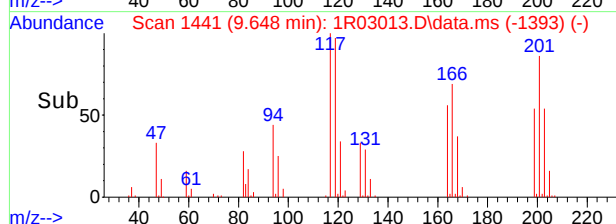
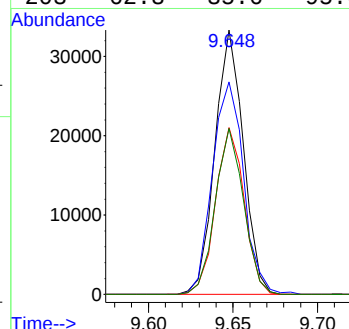
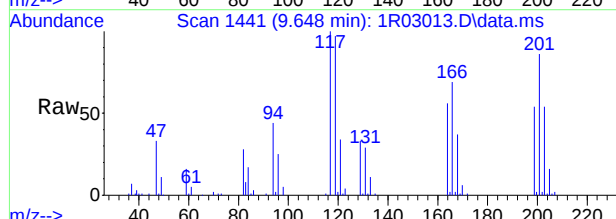
#116
n-butylbenzene
Concen: 18.40 ug/L
RT: 9.447 min Scan# 1408
Delta R.T. -0.006 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

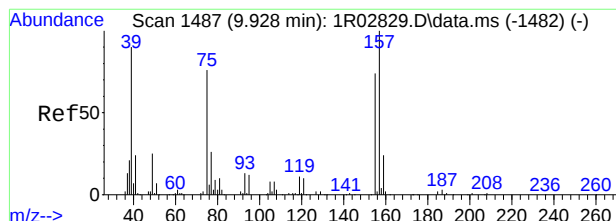
Tgt Ion: 92 Resp: 165718
Ion Ratio Lower Upper
92 100
134 52.4 22.4 82.4
91 192.3 158.9 218.9



#117
hexachloroethane
Concen: 20.42 ug/L
RT: 9.648 min Scan# 1441
Delta R.T. -0.006 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

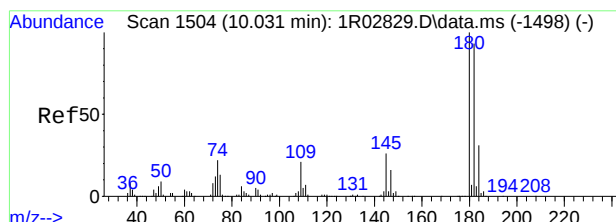
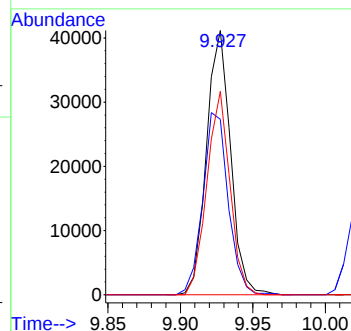
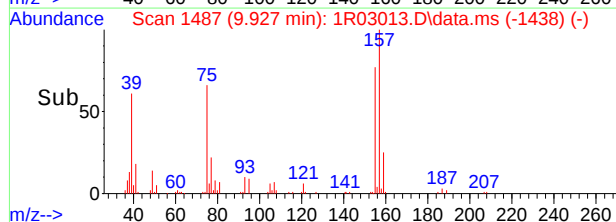
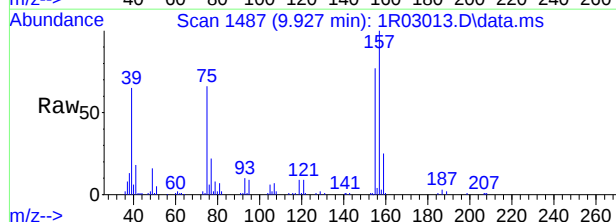
Tgt Ion: 201 Resp: 38944
Ion Ratio Lower Upper
201 100
166 80.4 40.0 100.0
199 63.1 34.6 94.6
203 62.8 35.6 95.6





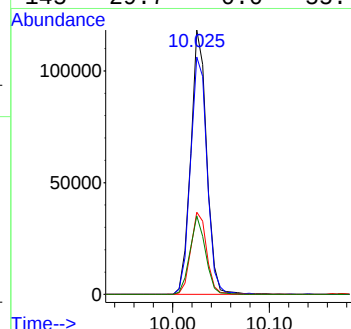
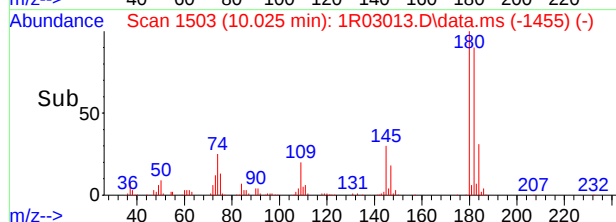
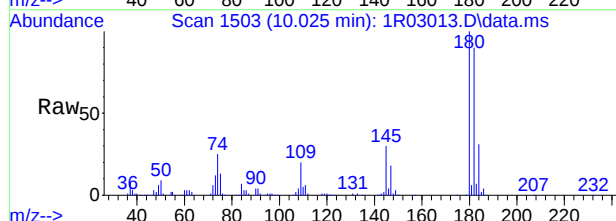
#118
1,2-dibromo-3-chloropropane
Concen: 22.36 ug/L
RT: 9.927 min Scan# 1487
Delta R.T. -0.001 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

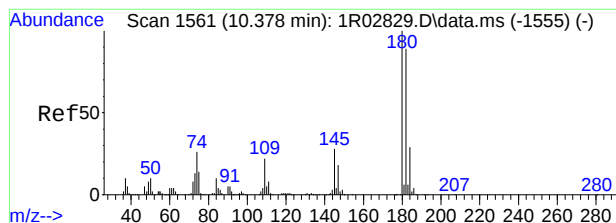
Tgt Ion:157 Resp: 47591
Ion Ratio Lower Upper
157 100
75 66.4 45.6 105.6
155 77.0 44.4 104.4



#119
1,3,5-trichlorobenzene
Concen: 19.67 ug/L
RT: 10.025 min Scan# 1503
Delta R.T. -0.006 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

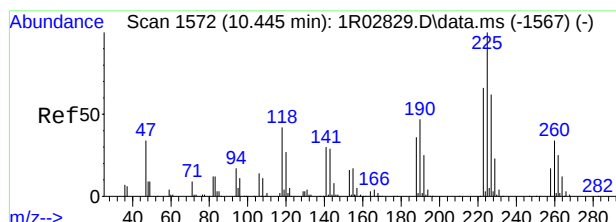
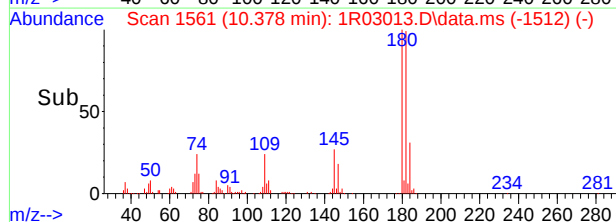
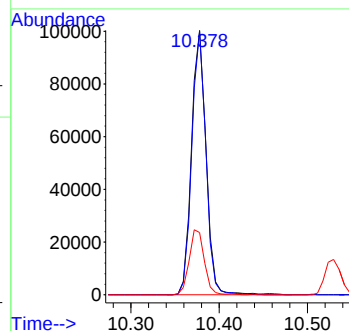
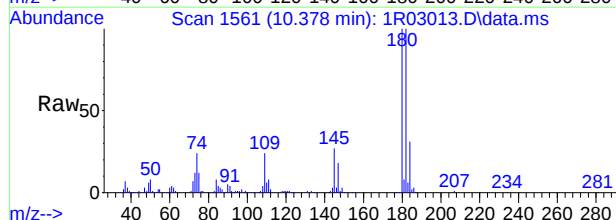
Tgt Ion:180 Resp: 135311
Ion Ratio Lower Upper
180 100
182 89.8 63.0 123.0
184 31.1 0.8 60.8
145 29.7 0.0 55.7





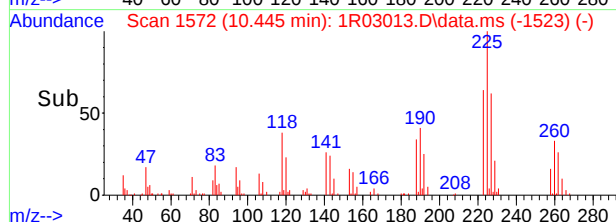
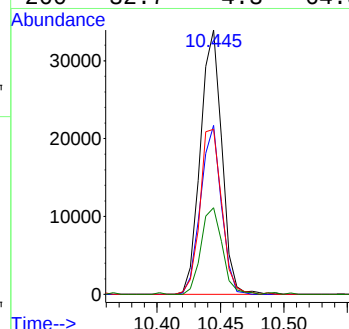
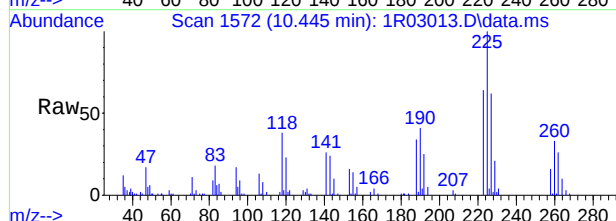
#120
1,2,4-trichlorobenzene
Concen: 19.86 ug/L
RT: 10.378 min Scan# 1561
Delta R.T. -0.000 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

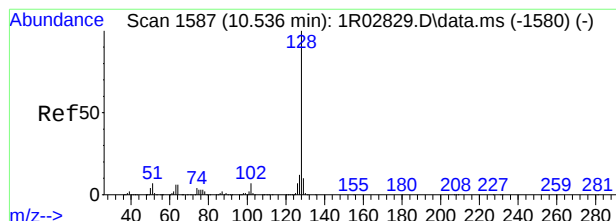
Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.6	59.1	119.1
74	23.6	0.0	56.3



#121
hexachlorobutadiene
Concen: 18.91 ug/L
RT: 10.445 min Scan# 1572
Delta R.T. -0.000 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

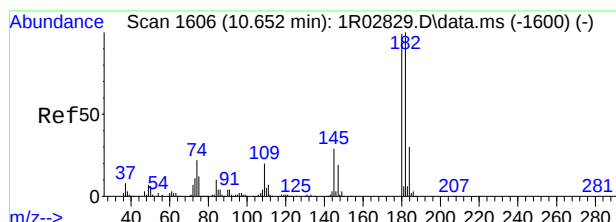
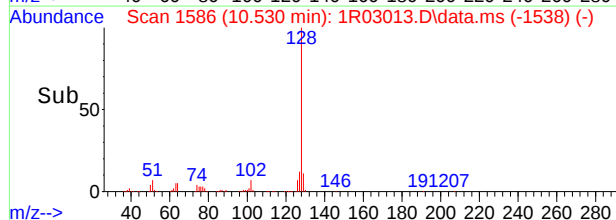
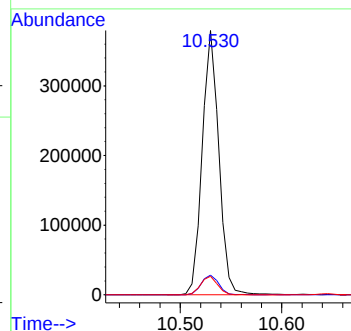
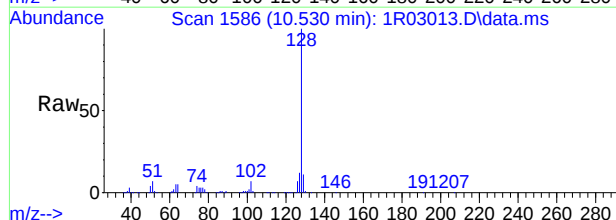
Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	36.0	96.0
227	62.4	32.2	92.2
260	32.7	4.3	64.3





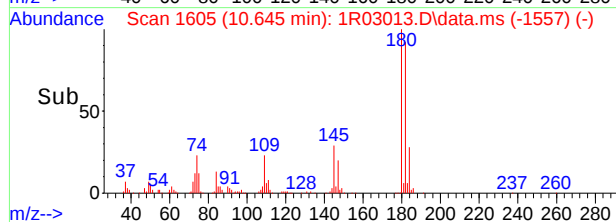
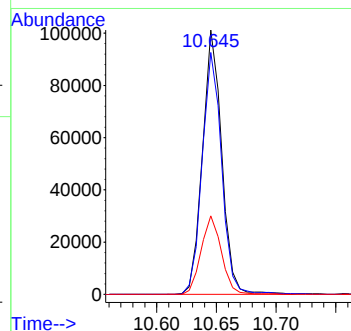
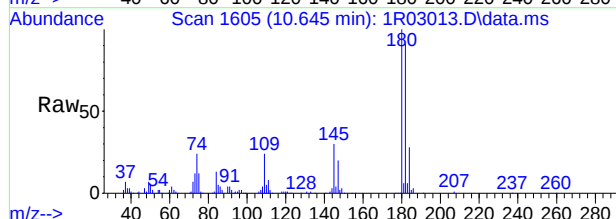
#122
naphthalene
Concen: 20.46 ug/L
RT: 10.530 min Scan# 1586
Delta R.T. -0.006 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

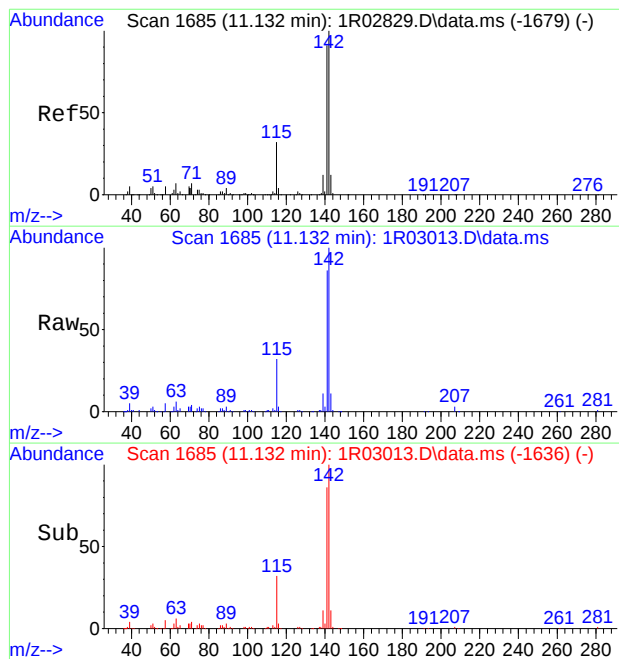
Tgt Ion	Ratio	Lower	Upper
128	100		
102	7.5	0.0	37.1
51	7.0	0.0	37.3



#123
1,2,3-trichlorobenzene
Concen: 19.77 ug/L
RT: 10.645 min Scan# 1605
Delta R.T. -0.007 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

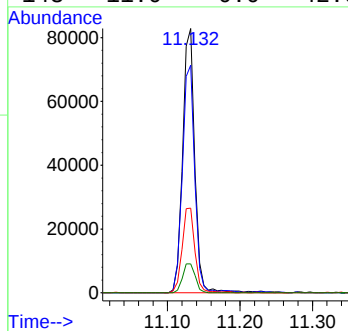
Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.4	71.4	131.4
145	29.7	0.0	59.5





#124
2-methylnaphthalene
Concen: 10.46 ug/L
RT: 11.132 min Scan# 1685
Delta R.T. 0.000 min
Lab File: 1R03013.D
Acq: 4 Apr 2023 9:38 am

Tgt Ion:	142	Resp:	96658
Ion	Ratio	Lower	Upper
142	100		
141	86.1	70.6	110.6
115	32.0	1.9	61.9
143	11.0	0.0	42.0





Date: 04/04/23

Standard data

Lot#	Expiration Date	concentration
V023-2768-8	4/28/2023	100PPM
V023-2768-9	4/10/2023	100PPM
V023-2768-4	4/24/2023	100-1000PPM

Internal/Surrogate data

Lot#	Expiration Date	concentration
V023-2768	5/3/2023	50-500PPM
paper:2223	8/1/2024	

VOLATILE by GC/MS ANALYSIS LOG

Batch ID: V1R100

Print Analyst Name: nickw

Analyst Signature: Mei Chen

Columns: RTX-VMS(20mx18mmx1um)

Method: v826dd

Initial Cal. Method: m1891

Date Archived: _____

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

Date- _____

Supervisor Signature- _____

ALS	Sample ID	Method	File ID	MS Batch, Run ID, P _v ***, Dil.	Vial #	Purge Vol	IS/SURR	pH	STATUS	Comments
1	lb	MR0091	1R03012	MS67909.V\1R0100.5,...,1		5			ok	
2	bbl/cc91-20	MR0091	1R03013	MS67909.V\1R0100.5,...,1		5			ok	938a.n.; 20uL ABK, AA, EC / 100mL
3	cc91-1	MR0091	1R03014	MS67909.V\1R0100.5,...,1		5			ok	1uL ABK, AA, EC / 100mL
4	bs	MR0091	1R03015	MS67909.V\1R0100.5,...,1		5			ok	50uL ABK, AA, EC / 100mL
5	lb	MR0091	1R03016	MS67909.V\1R0100.5,...,1		5			ok	
6	nfb	MR0091	1R03017	MS67909.V\1R0100.5,...,1		5			ok	
7	j462679-6	MR0091	1R03018	MS67796.V\1R0100.5,...,1	2	5		1	ok	
8	j462679-2	MR0091	1R03019	MS67796.V\1R0100.5,...,5	4	10.0/50		1	ok	
9	j462679-5	MR0091	1R03020	MS67796.V\1R0100.5,...,100	2	0.5/50		1	ok	combine with 1R02953
10	j462679-4	MR0091	1R03021	MS67796.V\1R0100.5,...,4	3	12.5/50		1	ok	combine with 1R02946
11	j462679-2	MR0091	1R03022	MS67796.V\1R0100.5,...,50	4	1.0/50		1	ok	
12	j463115-1	MR0091	1R03023	MS67955.V\1R0100.5,...,1	4	5		1	ok	
13	j463115-2	MR0091	1R03024	MS67955.V\1R0100.5,...,1	4	5		1	ok	
14	j463115-3	MR0091	1R03025	MS67955.V\1R0100.5,...,1	4	5		1	ok	
15	j463115-4	MR0091	1R03026	MS67955.V\1R0100.5,...,1	5	5		1	ok	
16	j462888-1	MR0091	1R03027	MS67955.V\1R0100.5,...,1	8	5		1	ok	
17	j462953-1ms	MR0091	1R03028	MS67936.V\1R0100.5,...,4	2	12.5/50		1	ok	25uL ABK, AA, EC / 50mL
18	j462953-1msd	MR0091	1R03029	MS67936.V\1R0100.5,...,4	2	12.5/50		1	ok	25uL ABK, AA, EC / 50mL
19	lb	MR0091	1R03030	MS67936.V\1R0100.5,...,1		5			ok	
20	j462888-4	MR0091	1R03031	MS67891.V\1R0100.5,...,1	7	5		1	ok	
21	j462888-5	MR0091	1R03032	MS67891.V\1R0100.5,...,1	1	5		1	ok	

Standard data

Lot#	Expiration Date	concentration
V023-2768-8	4/28/2023	100PPM
V023-2768-9	4/10/2023	100PPM
V023-2768-4	4/24/2023	100-10000PPM

Internal/Surrogate data

Lot#	Expiration Date	concentration
V023-2768-	5/3/2023	50-500PPM
paper:2222	8/1/2024	

VOLATILE by GCMS ANALYSIS LOG

Batch ID: v1r100

Print Analyst Name: nickw

Analyst Signature: Mei Chen

Columns: RTX-VMS(20mx18mmx1um)

Method: v8260d

Initial Cal. Method: m1R91

Date Archived: _____

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

Date-_____

Supervisor Signature- _____

[illegible]

Date: 04/04/23

Standard data

Lot#	Expiration Date	concentration
V023-2768-8	4/28/2023	100PPM
V023-2768-9	4/10/2023	100PPM
V023-2768-4	4/24/2023	100-10000PPM

Internal/Surrogate data

Lot#	Expiration Date	concentration
V023-2768-	5/3/2023	50-500PPM
paper:2222	8/1/2024	

Batch ID: v1r100

Print Analyst Name: nickw

Analyst Signature: Mei Chen

Columns: RTX-VMS(20mx18mmx1um)

Method: v8260d

Initial Cal. Method: m1R91

Date Archived: _____

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

Date-_____

Supervisor Signature- _____

[illegible]

SGS

Standard data

Lot#	Expiration Date	concentration
V023-2768-8	4/28/2023	100PPM
V023-2768-9	4/10/2023	100PPM
V023-2768-8	4/24/2023	100-10000PPM

Internal/Surrogate data

Lot#	Expiration Date	concentration
V023-2768	5/3/2023	50-500PPM
paper:222	8/1/2024	

r100

Print Analyst Name: nickw

Analyst Signature: Mei Chen

Columns: RTX-VMS(20mx18mmx1um)

Method: v8260d

Initial Cal. Method: m1R91

Date Archived: _____

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

Date-_____

Supervisor Signature- _____

[illegible]

Date: 04/04/23

Standard data

Internal/Surrogate data

ration Date concentration

Supervisor Signature-

Date Archived: _____

[illegible]

Date: 04/04/23

Standard data

Lot#	Expiration Date	concentration
V023-2768-8	4/28/2023	100PPM
V023-2768-9	4/10/2023	100PPM
V023-2768-8	4/24/2023	100-10000PPM

Internal/Surrogate data

Lot#	Expiration Date	concentration
V023-2768-	5/3/2023	50-500PPM
paper:2222	8/1/2024	

Batch ID: v1r100

Print Analyst Name: nickw

Analyst Signature: Mei Chen

Columns: RTX-VMS(20mx18mmx1um)

Method: v8260d

Initial Cal. Method: m1R91

Date Archived: _____

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

Date-_____

Supervisor Signature- _____

[illegible]

Instrument Run Log V1R100 page 7 of 11

Standard data

Lot#	Expiration Date	concentration
V023-2768-8	4/28/2023	100PPM
V023-2768-9	4/10/2023	100PPM
V023-2768-4	4/24/2023	100-10000PPM

Internal/Surrogate data

Lot#	Expiration Date	concentration
V023-2768-	5/3/2023	50-500PPM
paper:2222	8/1/2024	

Print Analyst Name: nickw

Analyst Signature: Mei Chen

Columns: RTX-VMS(20mx18mmx1um)

Method: v8260d

Initial Cal. Method: m1R91

Date Archived: _____

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

Date-_____

Supervisor Signature- _____

[illegible]

Instrument Run Log V1R100 page 8 of 11

Standard data

Lot#	Expiration Date	concentration
V023-2768-8	4/28/2023	100PPM
V023-2768-9	4/10/2023	100PPM
V023-2768-8	4/24/2023	100-10000PPM

Internal/Surrogate data

Lot#	Expiration Date	concentration
V023-2768-	5/3/2023	50-500PPM
paper:2222	8/1/2024	

Print Analyst Name: nickw

Analyst Signature: Mei Chen

Columns: RTX-VMS(20mx18mmx1um)

Method: v8260d

Initial Cal. Method: m1R91

Date Archived: _____

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

Date-_____

Supervisor Signature- _____

[illegible]

Instrument Run Log V1R100 page 9 of 11

Standard data

Lot#	Expiration Date	concentration
V023-2768-8	4/28/2023	100PPM
V023-2768-9	4/10/2023	100PPM
V023-2768-8	4/24/2023	100-10000PPM

Internal/Surrogate data

Lot#	Expiration Date	concentration
V023-2768	5/3/2023	50-500PPM
paper:222	8/1/2024	

Print Analyst Name: nickw

Analyst Signature: Mei Chen

Columns: RTX-VMS(20mx18mmx1um)

Method: v8260d

Initial Cal. Method: m1R91

Date Archived: _____

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

Date-_____

Supervisor Signature- _____

[illegible]

Date: 04/04/23

Standard data

Lot#	Expiration Date	concentration
V023-2768-8	4/28/2023	100PPM
V023-2768-9	4/10/2023	100PPM
V023-2768-8	4/24/2023	100-10000PPM

Internal/Surrogate data

Lot#	Expiration Date	concentration
V023-2768	5/3/2023	50-500PPM
paper:222	8/1/2024	

Batch ID: v1r100

Print Analyst Name: nickw

Analyst Signature: Mei Chen

Columns: RTX-VMS(20mx18mmx1um)

Method: v8260d

Initial Cal. Method: m1R91

Date Archived: _____

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

Date-_____

Supervisor Signature-

[illegible]



VOLATILE by GC/MS ANALYSIS LOG

Date: 3/29/23

Standard data

Lot#	Expiration Date	concentration
ABK v023-2767-81.12	4/24/2023	100-10000ppm
EC v023-2768-82.6	4/3/2023	100 ppm
AA v023-2768-85.20	4/28/2023	100 ppm
EXT EC v023-2768-89.8	4/5/2023	100ppm

Internal/Surrogate data

Lot#	Expiration Date	concentration
EXT Chlorodifluoromethane v023-2768-64	4/14/2023	100ppm
EXTABK v023-2768-80.15	4/24/2023	100-10000ppm
EXT EC v023-2768-89.6	4/5/2023	100ppm
EXT Acro v023-2768-86.30	4/28/2023	100ppm
EXT PA v023-2768-73	4/18/2023	100ppm
IS v023-2768-55	4/3/2023	50/500ppm

Batch ID: V1R91

Print Analyst Name: Prashant S

Processed By: Mohui H

Columns:

Method: V8260D

Initial Cal. Method: M1R91

Date Archived: _____

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

Supervisor Signature- B. Bailey

Date- 4/12/23

ALS	Sample ID	Method	File ID	MS Batch, Run ID, P#, DI	Vial #	Purge Vol	IS/SURR	pH	STATUS	Comments
	lb		1R2811			5ml			ok	
	lb		2R2812			5ml			ok	
	bfb		1R2813			5ml			ok	
	bfb		2R2814			5ml			ok	
	lc91-0.2		1R2815			5ml			ok	2 uL ABK EC AA / 1000 mL
	lc91-0.2		2R2816			5ml			ok	2 uL ABK EC AA / 1000 mL
	lc91-0.5		1R2817			5ml			ok	5 uL ABK EC AA / 1000 mL
	lc91-0.5		2R2818			5ml			ok	5 uL ABK EC AA / 1000 mL
	lc91-1		1R2819			5ml			ok	1 uL ABK EC AA / 100 mL
	lc91-1		2R2820			5ml			ok	1 uL ABK EC AA / 100 mL
	lc91-2		1R2821			5ml			ok	2 uL ABK EC AA / 100 mL
	lc91-2		2R2822			5ml			ok	2 uL ABK EC AA / 100 mL
	lc91-4		1R2823			5ml			ok	4 uL ABK EC AA / 100 mL
	lc91-4		2R2824			5ml			ok	4 uL ABK EC AA / 100 mL
	lc91-8		1R2825			5ml			ok	8 uL ABK EC AA / 100 mL
	lc91-8		2R2826			5ml			ok	8 uL ABK EC AA / 100 mL



VOLATILE by GC/MS ANALYSIS LOG

Date: 3/29/23

Standard data

Lot#	Expiration Date	concentration
ABK v023-2767-81.12	4/24/2023	100-1000ppm
EC v023-2768-82.6	4/3/2023	100 ppm
AA v023-2768-85.20	4/28/2023	100 ppm
EXT EC v023-2768-89.8	4/5/2023	100ppm

Internal/Surrogate data

Lot#	Expiration Date	concentration
EXT Chlorodifluoromethane v023-2768-64	4/14/2023	100ppm
EXT ABK v023-2768-80.15	4/24/2023	100-1000ppm
EXT EC v023-2768-89.6	4/5/2023	100ppm
EXT Acro v023-2768-86.30	4/28/2023	100ppm
EXT PA v023-2768-73	4/18/2023	100ppm
IS v023-2768-55	4/3/2023	50/500ppm

Batch ID: V1R91

Print Analyst Name: Prashant S

Processed By: Mohul H

Columns:

Method: V8260D

Initial Cal. Method: M1R91

Date Archived:

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

Supervisor Signature-

Date-

ALS	Sample ID	Method	File ID	MS Batch, Run ID, P#, Di	Vial #	Purge Vol	IS/SURR	pH	STATUS	Comments
	ic91-20		1R2827			5ml			ok	20 uL ABK EC AA / 100 mL
	ic91-20		2R2828			5ml			ok	20 uL ABK EC AA / 100 mL
	icc91-50		1R2829			5ml			ok	50 uL ABK EC AA / 100 mL
	icc91-50		2R2830			5ml			ok	50 uL ABK EC AA / 100 mL
	ic91-100		1R2831			5ml			ok	100 uL ABK EC AA / 100 mL
	ic91-100		2R2832			5ml			ok	100 uL ABK EC AA / 100 mL
	ic91-200		1R2833			5ml			ok	200 uL ABK EC AA / 100 mL
	ic91-200		2R2834			5ml			ok	200 uL ABK EC AA / 100 mL
	ib		1R2835			5ml			ok	
	ib		2R2836			5ml			ok	
	ib		1R2837			5ml			ok	
	ib		2R2838			5ml			ok	
	icv91-50		1R2839			5ml			ok	50 uL EXT ABK EC Acro / 100 mL
	icv91-50		2R2840			5ml			ok	50 uL EXT ABK EC Acro / 100 mL
	icv91-50		1R2841			5ml			ok	50 uL EXT PA Chlorodifluoromethane / 100 mL
	icv91-50		2R2842			5ml			ok	50 uL EXT PA Chlorodifluoromethane / 100 mL

Standard data

Lot#	Expiration Date	concentration
ABK v023-2767-81,12	4/24/2023	100-1000ppm
EC v023-2768-82,6	4/9/2023	100 ppm
AA v023-2768-85,20	4/28/2023	100 ppm
EXT EC v023-2768-89,8	4/5/2023	100ppm

Internal/Surrogate data

	Lot#	Expiration Date	concentration
EXT Chloridifluoromethane w023-2768-64		4/14/2023	100ppm
EXTARK w023-2768-80.15		4/24/2023	100-1000ppm
EXT EC w023-2768-89.6		4/5/2023	100ppm
EXT Acro w023-2768-86.30		4/28/2023	100ppm
EXT PA w023-2768-73		4/18/2023	100ppm
IS w023-2768-55		4/3/2023	50/500ppm

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

Batch ID: V1R91

Print Analyst Name: Prashant S

Processed By: Mohui H

Columns:

Method: V8260D

Initial Cal. Method: M1R91

Date Archived: []

Supervisor Signature-

Date-

[illegible]

General Chemistry

QC Data Summaries



Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries
- Instrument Runlogs/QC

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: JD62888
Account: FLSNYY - Fleming-Lee Shue, Inc.
Project: 388 Bridge Street, Brooklyn, NY

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Chloride	GP45907/GN39825	2.0	0.0	mg/l	80	83.7	104.6	90-110%
Dissolved Organic Carbon	GP45881/GN39916	1.0	0.0	mg/l	10	9.59	95.9	90-110%
Fluoride	GP45907/GN39825	0.20	0.0	mg/l	2	2.07	103.5	90-110%
Iron, Ferrous	GN39908	0.20	0.0	mg/l	3.0	2.9	96.7	85-115%
Nitrogen, Nitrate + Nitrite	GP45893/GN39816	0.10	0.0	mg/l	2	2.08	104.0	90-110%
Nitrogen, Nitrite	GN39776	0.010	0.0	mg/l	0.04	0.039	97.5	90-110%
Sulfate	GP45907/GN39825	2.0	0.0	mg/l	80	87.0	108.8	90-110%
Total Organic Carbon	GP45861/GN39817	1.0	0.0	mg/l	10	9.21	92.1	90-110%

Associated Samples:
Batch GN39776: JD62888-1, JD62888-2, JD62888-3, JD62888-4
Batch GN39908: JD62888-1, JD62888-2, JD62888-3, JD62888-4
Batch GP45861: JD62888-1, JD62888-2, JD62888-3, JD62888-4
Batch GP45881: JD62888-1F, JD62888-2F, JD62888-3F, JD62888-4F
Batch GP45893: JD62888-1, JD62888-2, JD62888-3, JD62888-4
Batch GP45907: JD62888-1, JD62888-2, JD62888-3, JD62888-4
(*) Outside of QC limits

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DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: JD62888
Account: FLSNYY - Fleming-Lee Shue, Inc.
Project: 388 Bridge Street, Brooklyn, NY

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Chloride	GP45907/GN39825	JD62888-3	mg/l	183	182	0.5	0-20%
Fluoride	GP45907/GN39825	JD62888-3	mg/l	0.32	0.32	0.0	0-20%
Nitrogen, Nitrate + Nitrite	GP45893/GN39816	JD62498-5	mg/l	2.4	2.4	0.0	0-20%
Sulfate	GP45907/GN39825	JD62888-3	mg/l	96.8	99.2	2.4	0-20%

Associated Samples:

Batch GP45893: JD62888-1, JD62888-2, JD62888-3, JD62888-4

Batch GP45907: JD62888-1, JD62888-2, JD62888-3, JD62888-4

(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: JD62888
Account: FLSNYY - Fleming-Lee Shue, Inc.
Project: 388 Bridge Street, Brooklyn, NY

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Chloride	GP45907/GN39825	JD62888-3	mg/l	183	80	262	98.8	80-120%
Dissolved Organic Carbon	GP45881/GN39916	JD62888-2F	mg/l	0.62	10	9.8	91.8	66-128%
Fluoride	GP45907/GN39825	JD62888-3	mg/l	0.32	2	2.6	114.0	80-120%
Iron, Ferrous	GN39908	JD62888-1	mg/l	0.0	3.0	2.9	96.7	92-113%
Nitrogen, Nitrate + Nitrite	GP45893/GN39816	JD62498-5	mg/l	2.4	1	3.3	45.0N(a)	90-110%
Nitrogen, Nitrite	GN39776	JD62888-1	mg/l	0.0	0.04	0.037	92.5	22-140%
Sulfate	GP45907/GN39825	JD62888-3	mg/l	96.8	80	181	105.3	80-120%
Total Organic Carbon	GP45861/GN39817	JD62808-1	mg/l	5.0	10	14.7	97.0	71-132%

Associated Samples:

Batch GN39776: JD62888-1, JD62888-2, JD62888-3, JD62888-4
Batch GN39908: JD62888-1, JD62888-2, JD62888-3, JD62888-4
Batch GP45861: JD62888-1, JD62888-2, JD62888-3, JD62888-4
Batch GP45881: JD62888-1F, JD62888-2F, JD62888-3F, JD62888-4F
Batch GP45893: JD62888-1, JD62888-2, JD62888-3, JD62888-4
Batch GP45907: JD62888-1, JD62888-2, JD62888-3, JD62888-4
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Spike recovery indicates possible matrix interference.

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: JD62888
Account: FLSNYY - Fleming-Lee Shue, Inc.
Project: 388 Bridge Street, Brooklyn, NY

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Dissolved Organic Carbon	GP45881/GN39916	JD62888-2F	mg/l	0.62	10	9.7	1.0	20%
Iron, Ferrous	GN39908	JD62888-1	mg/l	0.0	3.0	2.9	0.0	20%
Nitrogen, Nitrite	GN39776	JD62888-1	mg/l	0.0	0.04	0.037	0.0	20%
Total Organic Carbon	GP45861/GN39817	JD62808-1	mg/l	5.0	10	14.4	2.1	10%

Associated Samples:

Batch GN39776: JD62888-1, JD62888-2, JD62888-3, JD62888-4

Batch GN39908: JD62888-1, JD62888-2, JD62888-3, JD62888-4

Batch GP45861: JD62888-1, JD62888-2, JD62888-3, JD62888-4

Batch GP45881: JD62888-1F, JD62888-2F, JD62888-3F, JD62888-4F

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

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SGS Instrument Runlog
Inorganics Analyses

Login Number: JD62888
Account: FLSNYY - Fleming-Lee Shue, Inc.
Project: 388 Bridge Street, Brooklyn, NY

File ID: E033023W1.N032 Date Analyzed: 03/30/23 Methods: EPA 353.2/LACHAT
Analyst: MM Run ID: GN39816
Parameters: Nitrogen, Nitrate + Nitrite

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:09	GN39816-STD1	1		STDA
14:10	GN39816-STD2	1		STDB
14:11	GN39816-STD3	1		STDC
14:12	GN39816-STD4	1		STDD
14:13	GN39816-STD5	1		STDE
14:14	GN39816-STD6	1		STDF
14:15	GN39816-STD7	1		STDG
14:16	GN39816-STD8	1		STDH
14:18	GN39816-ICV1	1		
14:20	GN39816-ICB1	1		
14:21	GN39816-CCV1	1		
14:22	GN39816-CCB1	1		
14:29	GN39816-CCV2	1		
14:30	GN39816-CCB2	1		
14:31	GP45893-MB1	1		
14:32	GP45893-B1	1		
14:33	GP45893-S1	1		
14:34	GP45893-S2	1		
14:35	GP45893-D1	1		
14:36	JD62498-5	1		(sample used for QC only; not part of login JD62888)
14:37	ZZZZZZ	1		
14:38	ZZZZZZ	1		
14:39	ZZZZZZ	1		
14:40	ZZZZZZ	1		
14:41	GN39816-CCV3	1		
14:43	GN39816-CCB3	1		
14:44	ZZZZZZ	1		
14:45	ZZZZZZ	1		
14:46	ZZZZZZ	1		
14:47	ZZZZZZ	1		
14:48	ZZZZZZ	1		
14:49	JD62808-1	1		(sample used for QC only; not part of login JD62888)
14:50	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD62888
Account: FLSNYY - Fleming-Lee Shue, Inc.
Project: 388 Bridge Street, Brooklyn, NY

File ID: E033023W1.N032 Date Analyzed: 03/30/23 Methods: EPA 353.2/LACHAT
Analyst: MM Run ID: GN39816
Parameters: Nitrogen, Nitrate + Nitrite

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:51	JD62888-1	1		
14:52	JD62888-2	1		
14:53	JD62888-3	1		
14:54	GN39816-CCV4	1		
14:55	GN39816-CCB4	1		
14:57	JD62888-4	1		
14:58	ZZZZZZ	1		
14:59	ZZZZZZ	1		
15:00	GP45894-MB1	1		
15:01	GP45894-B1	1		
15:02	GP45894-S1	1		
15:03	GP45894-S2	1		
15:04	GP45894-D1	1		
15:05	JD62596-14	1		(sample used for QC only; not part of login JD62888)
15:06	ZZZZZZ	1		
15:07	GN39816-CCV5	1		
15:08	GN39816-CCB5	1		
15:09	ZZZZZZ	1		
15:11	JD62515-1	1		(sample used for QC only; not part of login JD62888)
15:12	ZZZZZZ	1		
15:13	ZZZZZZ	1		
15:14	ZZZZZZ	1		
15:15	ZZZZZZ	1		
15:16	ZZZZZZ	1		
15:17	ZZZZZZ	1		
15:18	ZZZZZZ	1		
15:19	ZZZZZZ	1		
15:20	GN39816-CCV6	1		
15:21	GN39816-CCB6	1		
15:22	ZZZZZZ	1		
15:23	ZZZZZZ	1		
15:25	ZZZZZZ	1		
15:26	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD62888
Account: FLSNYY - Fleming-Lee Shue, Inc.
Project: 388 Bridge Street, Brooklyn, NY

File ID: E033023W1.N032 Date Analyzed: 03/30/23 Methods: EPA 353.2/LACHAT
Analyst: MM Run ID: GN39816
Parameters: Nitrogen, Nitrate + Nitrite

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:27	ZZZZZZ	1		
15:28	ZZZZZZ	1		
15:29	JD62888-1	4		
15:30	JD62888-2	2		
15:31	JD62888-3	3		
15:32	ZZZZZZ	3		
15:33	GN39816-CCV7	1		
15:34	GN39816-CCB7	1		
15:35	ZZZZZZ	100		
15:36	ZZZZZZ	200		
15:37	ZZZZZZ	2		
15:39	GP45900-MB1	1		
15:40	GP45900-B1	1		
15:41	GP45900-S1	1		
15:42	GP45900-D1	1		
15:43	JD62928-1	1		(sample used for QC only; not part of login JD62888)
15:44	ZZZZZZ	1		
15:45	ZZZZZZ	1		
15:46	GN39816-CCV8	1		
15:51	GN39816-CCV9	1		
15:53	GN39816-CCB8	1		
15:54	ZZZZZZ	1		
15:55	ZZZZZZ	1		
15:56	ZZZZZZ	1		
15:57	ZZZZZZ	1		
15:58	ZZZZZZ	1		
15:59	ZZZZZZ	1		
16:00	ZZZZZZ	1		
16:03	GN39816-CCV10	1		
16:04	GN39816-CCB9	1		
16:08	GN39816-CCV11	1		
16:09	GN39816-CCB10	1		
16:10	ZZZZZZ	8		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD62888
Account: FLSNYY - Fleming-Lee Shue, Inc.
Project: 388 Bridge Street, Brooklyn, NY

File ID: E033023W1.N032 Date Analyzed: 03/30/23 Methods: EPA 353.2/LACHAT
Analyst: MM Run ID: GN39816
Parameters: Nitrogen, Nitrate + Nitrite

Time	Sample Description	Dilution Factor	PS Recov	Comments
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16:13 GN39816-CCV12 1

16:14 GN39816-CCB11 1

Refer to raw data for calibration curve and standards.

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Instrument QC Summary
Inorganics Analyses

Login Number: JD62888
Account: FLSNYY - Fleming-Lee Shue, Inc.
Project: 388 Bridge Street, Brooklyn, NY

File ID: E033023W1.N032

Date Analyzed: 03/30/23
Run ID: GN39816

Methods: EPA 353.2/LACHAT
Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN39816-ICV1	Nitrogen, Nitrate + Nitrite	2.13	0.10	0.090	2	106.5	90-110
GN39816-ICB1	Nitrogen, Nitrate + Nitrite	0.090 U	0.10	0.090			
GN39816-CCV1	Nitrogen, Nitrate + Nitrite	2.50	0.10	0.090	2.5	100.0	90-110
GN39816-CCB1	Nitrogen, Nitrate + Nitrite	0.090 U	0.10	0.090			
GN39816-CCV2	Nitrogen, Nitrate + Nitrite	2.51	0.10	0.090	2.5	100.4	90-110
GN39816-CCB2	Nitrogen, Nitrate + Nitrite	0.090 U	0.10	0.090			
GN39816-CCV3	Nitrogen, Nitrate + Nitrite	2.49	0.10	0.090	2.5	99.6	90-110
GN39816-CCB3	Nitrogen, Nitrate + Nitrite	0.090 U	0.10	0.090			
GN39816-CCV4	Nitrogen, Nitrate + Nitrite	2.39	0.10	0.090	2.5	95.6	90-110
GN39816-CCB4	Nitrogen, Nitrate + Nitrite	0.090 U	0.10	0.090			
GN39816-CCV5	Nitrogen, Nitrate + Nitrite	2.43	0.10	0.090	2.5	97.2	90-110
GN39816-CCB5	Nitrogen, Nitrate + Nitrite	0.090 U	0.10	0.090			
GN39816-CCV6	Nitrogen, Nitrate + Nitrite	2.40	0.10	0.090	2.5	96.0	90-110
GN39816-CCB6	Nitrogen, Nitrate + Nitrite	0.090 U	0.10	0.090			
GN39816-CCV7	Nitrogen, Nitrate + Nitrite	2.41	0.10	0.090	2.5	96.4	90-110
GN39816-CCB7	Nitrogen, Nitrate + Nitrite	0.090 U	0.10	0.090			
GN39816-CCV8	Nitrogen, Nitrate + Nitrite	2.42	0.10	0.090	2.5	96.8	90-110
GN39816-CCV9	Nitrogen, Nitrate + Nitrite	2.42	0.10	0.090	2.5	96.8	90-110
GN39816-CCB8	Nitrogen, Nitrate + Nitrite	0.090 U	0.10	0.090			
GN39816-CCV10	Nitrogen, Nitrate + Nitrite	2.40	0.10	0.090	2.5	96.0	90-110
GN39816-CCB9	Nitrogen, Nitrate + Nitrite	0.090 U	0.10	0.090			
GN39816-CCV11	Nitrogen, Nitrate + Nitrite	2.42	0.10	0.090	2.5	96.8	90-110
GN39816-CCB10	Nitrogen, Nitrate + Nitrite	0.090 U	0.10	0.090			
GN39816-CCV12	Nitrogen, Nitrate + Nitrite	2.41	0.10	0.090	2.5	96.4	90-110
GN39816-CCB11	Nitrogen, Nitrate + Nitrite	0.090 U	0.10	0.090			

(!) Outside of QC limits

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD62888
Account: FLSNYY - Fleming-Lee Shue, Inc.
Project: 388 Bridge Street, Brooklyn, NY

File ID: D230330W1.TXT Date Analyzed: 03/01/23 Methods: SM5310 B-11/14
Analyst: MB Run ID: GN39817
Parameters: Total Organic Carbon

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:50	GN39817-STD1	1		STDA
12:01	GN39817-STD2	1		STDB
12:18	GN39817-STD3	1		STDC
12:33	GN39817-STD4	1		STDD
12:45	GN39817-STD5	1		STDE
12:58	GN39817-STD6	1		STDF
09:28	ZZZZZZ	1		
09:44	GN39817-CRI1	1		
09:59	GN39817-HSTD1	1		
10:30	GN39817-ICV1	1		
10:43	GN39817-ICB1	1		
12:03	GN39817-CCV1	1		
12:16	GN39817-CCB1	1		
12:32	ZZZZZZ	1		
12:43	GP45861-MB1	1		
12:55	GP45861-B1	1		
14:04	JD62808-1	1		(sample used for QC only; not part of login JD62888)
14:13	GP45861-S1	1		
14:24	GP45861-MSD1	1		
14:35	JD62888-4	1		
14:46	ZZZZZZ	1		
14:57	ZZZZZZ	1		
15:08	ZZZZZZ	1		
15:20	GN39817-CCVA1	1		
15:33	GN39817-CCB2	1		
15:42	ZZZZZZ	1		
15:53	JD62888-1	1		
16:04	JD62888-2	1		
16:15	JD62888-3	1		
16:27	GN39817-CCV2	1		
16:40	GN39817-CCB3	1		
16:51	ZZZZZZ	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: JD62888
Account: FLSNYY - Fleming-Lee Shue, Inc.
Project: 388 Bridge Street, Brooklyn, NY

File ID: D230330W1.TXT

Date Analyzed: 03/01/23
Run ID: GN39817

Methods: SM5310 B-11/14
Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN39817-CRI1	Total Organic Carbon	1.10	1.0	0.72	1	110.0	70-130
GN39817-HSTD1	Total Organic Carbon	47.1	1.0	0.72	50	94.2	90-110
GN39817-ICV1	Total Organic Carbon	19.9	1.0	0.72	20	99.5	90-110
GN39817-ICB1	Total Organic Carbon	0.72 U	1.0	0.72			
GN39817-CCV1	Total Organic Carbon	24.1	1.0	0.72	25	96.4	90-110
GN39817-CCB1	Total Organic Carbon	0.809	1.0	0.72			
GN39817-CCVA1	Total Organic Carbon	46.4	1.0	0.72	50	92.8	
GN39817-CCB2	Total Organic Carbon	0.72 U	1.0	0.72			
GN39817-CCV2	Total Organic Carbon	24.1	1.0	0.72	25	96.4	90-110
GN39817-CCB3	Total Organic Carbon	0.72 U	1.0	0.72			

(!) Outside of QC limits

8.6
8

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD62888
Account: FLSNYY - Fleming-Lee Shue, Inc.
Project: 388 Bridge Street, Brooklyn, NY

File ID: D23033001.TXT
Analyst: SS
Parameters: Sulfate

Date Analyzed: 03/20/23 Methods: EPA 300/SW846 9056A
Run ID: GN39825

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:03	GN39825-STD1	1		STDA
13:16	GN39825-STD2	1		STDC
13:29	GN39825-STD3	1		STDD
13:42	GN39825-STD4	1		STDE
13:55	GN39825-STD5	1		STDF
14:08	GN39825-STD6	1		STDG
14:21	GN39825-ICV1	1		
14:36	ZZZZZZ	1		
14:49	ZZZZZZ	1		
15:02	ZZZZZZ	1		
15:15	GN39825-CCV1	1		
15:28	GN39825-CCB1	1		
15:41	ZZZZZZ	1		
15:54	ZZZZZZ	1		
16:07	GP45876-S1	15		
16:20	GP45876-D1	15		
16:33	JD62756-1	15		(sample used for QC only; not part of login JD62888)
16:46	ZZZZZZ	5		
16:59	ZZZZZZ	3		
17:12	ZZZZZZ	10		
17:25	ZZZZZZ	16		
17:38	ZZZZZZ	30		
17:51	GN39825-CCV2	1		
18:04	GN39825-CCB2	1		
18:17	ZZZZZZ	34		
18:31	ZZZZZZ	20		
18:44	ZZZZZZ	3		
18:57	ZZZZZZ	5		
19:10	ZZZZZZ	3		
19:23	ZZZZZZ	7		
19:36	ZZZZZZ	14		
19:49	GP45907-MB1	1		
20:02	GP45907-B1	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD62888
Account: FLSNYY - Fleming-Lee Shue, Inc.
Project: 388 Bridge Street, Brooklyn, NY

File ID: D23033001.TXT
Analyst: SS
Parameters: Sulfate

Date Analyzed: 03/20/23 Methods: EPA 300/SW846 9056A
Run ID: GN39825

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:15	GP45907-S1	1		
20:28	GN39825-CCV3	1		
20:41	GN39825-CCB3	1		
20:54	GP45907-D1	1		
21:07	JD62888-3	1		
21:20	ZZZZZZ	1		
21:33	ZZZZZZ	1		
21:46	ZZZZZZ	1		
21:59	ZZZZZZ	1		
22:12	ZZZZZZ	1		
22:25	JD62888-1	1		
22:39	JD62888-2	1		
22:51	ZZZZZZ	1		
23:04	GN39825-CCV4	1		
23:17	GN39825-CCB4	1		
23:30	JD62888-4	1		
23:43	ZZZZZZ	1		
13:46	ZZZZZZ	1		
13:59	ZZZZZZ	1		
14:12	ZZZZZZ	1		
14:25	ZZZZZZ	1		
14:38	ZZZZZZ	1		
14:51	ZZZZZZ	1		
15:04	ZZZZZZ	1		
15:17	ZZZZZZ	1		
15:30	GN39825-CCV5	1		
15:43	GN39825-CCB5	1		
15:56	ZZZZZZ	1		
16:09	GP45909-MB1	1		
16:22	GP45909-B1	1		
16:35	GP45909-S1	1		
16:48	GP45909-D1	1		
17:01	JD62596-14	1		(sample used for QC only; not part of login JD62888)

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD62888
Account: FLSNYY - Fleming-Lee Shue, Inc.
Project: 388 Bridge Street, Brooklyn, NY

File ID: D23033001.TXT
Analyst: SS
Parameters: Sulfate

Date Analyzed: 03/20/23 Methods: EPA 300/SW846 9056A
Run ID: GN39825

Time	Sample Description	Dilution Factor	PS Recov	Comments
17:14	ZZZZZZ	1		
17:27	ZZZZZZ	1		
17:40	ZZZZZZ	1		
17:53	ZZZZZZ	1		
18:06	GN39825-CCV6	1		
18:06	GN39825-CCV7	1		
18:19	GN39825-CCB6	1		
18:19	GN39825-CCB7	1		
18:32	ZZZZZZ	1		
18:45	ZZZZZZ	1		
18:58	ZZZZZZ	1		
19:11	ZZZZZZ	1		
19:24	ZZZZZZ	1		
19:37	ZZZZZZ	1		
19:50	ZZZZZZ	1		
20:04	ZZZZZZ	1		
20:17	ZZZZZZ	1		
20:30	ZZZZZZ	1		
20:43	GN39825-CCV8	1		
20:56	GN39825-CCB8	1		
21:09	ZZZZZZ	1		
21:22	ZZZZZZ	1		
21:35	ZZZZZZ	1		
21:48	ZZZZZZ	1		
22:01	ZZZZZZ	1		
22:14	ZZZZZZ	32		
22:27	GN39825-CCV9	1		
22:40	GN39825-CCB9	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: JD62888
Account: FLSNYY - Fleming-Lee Shue, Inc.
Project: 388 Bridge Street, Brooklyn, NY

File ID: D23033001.TXT

Date Analyzed: 03/20/23
Run ID: GN39825

Methods: EPA 300/SW846 9056A
Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN39825-ICV1	Sulfate	100	2.0	0.89	100	100.0	90-110
GN39825-CCV1	Sulfate	209	2.0	0.89	200	104.5	90-110
GN39825-CCB1	Sulfate	0.89 U	2.0	0.89			
GN39825-CCV2	Sulfate	210	2.0	0.89	200	105.0	90-110
GN39825-CCB2	Sulfate	0.89 U	2.0	0.89			
GN39825-CCV3	Sulfate	208	2.0	0.89	200	104.0	90-110
GN39825-CCB3	Sulfate	0.89 U	2.0	0.89			
GN39825-CCV4	Sulfate	212	2.0	0.89	200	106.0	90-110
GN39825-CCB4	Sulfate	1.31	2.0	0.89			
GN39825-CCV5	Sulfate	211	2.0	0.89	200	105.5	90-110
GN39825-CCB5	Sulfate	0.89 U	2.0	0.89			
GN39825-CCV6	Sulfate	210	2.0	0.89	200	105.0	90-110
GN39825-CCV7	Sulfate	210	2.0	0.89	200	105.0	90-110
GN39825-CCB6	Sulfate	0.89 U	2.0	0.89			
GN39825-CCB7	Sulfate	0.89 U	2.0	0.89			
GN39825-CCV8	Sulfate	210	2.0	0.89	200	105.0	90-110
GN39825-CCB8	Sulfate	0.89 U	2.0	0.89			
GN39825-CCV9	Sulfate	210	2.0	0.89	200	105.0	90-110
GN39825-CCB9	Sulfate	0.89 U	2.0	0.89			
(!) Outside of QC limits							

8.7
8

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD62888
Account: FLSNYY - Fleming-Lee Shue, Inc.
Project: 388 Bridge Street, Brooklyn, NY

File ID: D230331W1.TXT Date Analyzed: 03/01/23 Methods: SM5310 B-11, SM5310 B-11/14
Analyst: MB Run ID: GN39916
Parameters: Dissolved Organic Carbon

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:50	GN39916-STD1	1		STDA
12:01	GN39916-STD2	1		STDB
12:18	GN39916-STD3	1		STDC
12:33	GN39916-STD4	1		STDD
12:45	GN39916-STD5	1		STDE
12:58	GN39916-STD6	1		STDF
09:28	ZZZZZZ	1		
09:44	GN39916-CRI1	1		
09:59	GN39916-HSTD1	1		
10:30	GN39916-ICV1	1		
10:43	GN39916-ICB1	1		
12:08	GN39916-CCV1	1		
12:22	GN39916-CCB1	1		
12:35	ZZZZZZ	1		
12:51	GP45856-MB1	1		
15:43	GP45856-B1	1		
17:12	JD62800-1	1		(sample used for QC only; not part of login JD62888)
17:23	GP45856-S1	1		
17:35	GP45856-MSD1	1		
17:46	ZZZZZZ	1		
17:57	ZZZZZZ	1		
18:08	ZZZZZZ	1		
18:20	ZZZZZZ	1		
18:31	GN39916-CCVA1	1		
18:43	GN39916-CCB2	1		
18:54	ZZZZZZ	1		
19:06	ZZZZZZ	1		
19:17	ZZZZZZ	1		
19:26	ZZZZZZ	1		
19:37	GP45881-MB1	1		
19:49	GP45881-B1	1		
19:59	JD62888-2F	1		
20:11	GP45881-S1	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD62888
Account: FLSNYY - Fleming-Lee Shue, Inc.
Project: 388 Bridge Street, Brooklyn, NY

File ID: D230331W1.TXT Date Analyzed: 03/01/23 Methods: SM5310 B-11, SM5310 B-11/14
Analyst: MB Run ID: GN39916
Parameters: Dissolved Organic Carbon

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:22	GP45881-MSD1	1		
20:35	JD62888-4F	1		
20:45	GN39916-CCV2	1		
21:06	GN39916-CCB3	1		
21:17	JD62888-1F	1		
21:28	JD62888-3F	1		
21:37	GP45915-MB1	1		
21:49	GP45915-B1	1		
22:02	JD62928-1	1		(sample used for QC only; not part of login JD62888)
22:11	GP45915-S1	1		
22:22	GP45915-MSD1	1		
22:33	ZZZZZZ	1		
22:44	ZZZZZZ	1		
22:55	ZZZZZZ	1		
23:07	GN39916-CCVA2	1		
23:20	GN39916-CCB4	1		
23:29	ZZZZZZ	1		
23:40	ZZZZZZ	1		
23:51	ZZZZZZ	1		
00:03	GN39916-CCV3	1		
00:14	GN39916-CCB5	1		
00:25	ZZZZZZ	1		
09:51	GN39916-CCVA3	1		
10:03	GN39916-CCB6	1		
10:13	ZZZZZZ	1		
10:24	ZZZZZZ	5		
11:16	ZZZZZZ	5		
11:27	ZZZZZZ	20		
11:39	GN39916-CCV4	1		
12:00	GN39916-CCB7	1		
12:09	ZZZZZZ	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: JD62888
Account: FLSNYY - Fleming-Lee Shue, Inc.
Project: 388 Bridge Street, Brooklyn, NY

File ID: D230331W1.TXT

Date Analyzed: 03/01/23
Run ID: GN39916

Methods: SM5310 B-11, SM5310 B-11/14
Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN39916-CRI1	Total Organic Carbon	1.10	1.0	0.72	1	110.0	70-130
GN39916-HSTD1	Total Organic Carbon	47.1	1.0	0.72	50	94.2	90-110
GN39916-ICV1	Total Organic Carbon	19.9	1.0	0.72	20	99.5	90-110
GN39916-ICB1	Total Organic Carbon	0.72 U	1.0	0.72			
GN39916-CCV1	Total Organic Carbon	23.0	1.0	0.72	25	92.0	90-110
GN39916-CCB1	Total Organic Carbon	0.72 U	1.0	0.72			
GN39916-CCVA1	Total Organic Carbon	46.4	1.0	0.72	50	92.8	
GN39916-CCB2	Total Organic Carbon	0.72 U	1.0	0.72			
GN39916-CCV2	Total Organic Carbon	22.9	1.0	0.72	25	91.6	90-110
GN39916-CCB3	Total Organic Carbon	0.72 U	1.0	0.72			
GN39916-CCVA2	Total Organic Carbon	46.5	1.0	0.72	50	93.0	
GN39916-CCB4	Total Organic Carbon	0.72 U	1.0	0.72			
GN39916-CCV3	Total Organic Carbon	23.0	1.0	0.72	25	92.0	90-110
GN39916-CCB5	Total Organic Carbon	0.825	1.0	0.72			
GN39916-CCVA3	Total Organic Carbon	48.0	1.0	0.72	50	96.0	
GN39916-CCB6	Total Organic Carbon	0.72 U	1.0	0.72			
GN39916-CCV4	Total Organic Carbon	24.8	1.0	0.72	25	99.2	90-110
GN39916-CCB7	Total Organic Carbon	0.72 U	1.0	0.72			

(!) Outside of QC limits

General Chemistry

Raw Data



Test: Nitrogen, Nitrite
 Product: NO2
 Method: SM18 4500 NO2B (aqueous)
 SM18 4500 NO2B M (solids)

Units: (mg/l)
 mg/kg

Analyst: MPW
 GNBatch ID: GN 39776
 GPBatch ID: _____
 Date: 3/30/23

Preparation Batch QC Summary

Units = _____

Method Blank ID: GN 39776-MD1 Date: 3/30/23 Result: ND DL: 0.01 <DL: _____
 Spike Blank ID: ND Date: 3/30/23 Result: 0.039 Spike: 0.04 %Rec.: 97.5
 MS ID: MSD1 Samp. Result: 0.032 MS Result: 0.032 Spike: 0.04 %Rec.: 92.5
 MSDUP ID: MSD1 Samp. Result: 0.032 MSDUP Result: 0.032 Spike: 0.04 %Rec.: 92.5
 MSDUP ID: JD 62888 MSDUP Result: 0.032 MS Result: 0.032 %RPD: _____
 Method Blank ID: _____ Date: _____ Result: _____ DL: _____ <DL: _____
 Spike Blank ID: _____ Date: _____ Result: _____ Spike: 0.04 %Rec.: _____
 MS ID: _____ Samp. Result: _____ MS Result: _____ Spike: 0.04 %Rec.: _____
 MSDUP ID: _____ Samp. Result: _____ MSDUP Result: _____ Spike: 0.04 %Rec.: _____
 MSDUP ID: _____ MSDUP Result: _____ MS Result: _____ %RPD: _____

Analysis Batch QC Summary

Units = _____

ICV (Ext): 3/30/23 Result: 0.094 TV: 0.1 %Rec.: 94
 CCV: 3/30/23 Result: 0.095 TV: 0.1 %Rec.: 95
 CCVA: _____ Result: 0.195 TV: 0.2 %Rec.: 98.5
 CCV: _____ Result: 0.096 TV: 0.1 %Rec.: 99
 CCVA: _____ Result: _____ TV: 0.2 %Rec.: _____
 CCV: _____ Result: _____ TV: 0.1 %Rec.: _____
 CCVA: _____ Result: _____ TV: 0.2 %Rec.: _____

CCB: _____ Result: _____ DL: _____ <DL: _____
 CCB: _____ Result: _____ DL: _____ <DL: _____
 CCB: _____ Result: _____ DL: _____ <DL: _____
 CCB: _____ Result: _____ DL: _____ <DL: _____
 CCB: _____ Result: _____ DL: _____ <DL: _____
 CCB: _____ Result: _____ DL: _____ <DL: _____

Reagent Reference Numbers:

QC-----BS/MS/MSD-----2 ML OF 1 PPM NO2 STD -- 50 ML DI/H2O/SAMPLE ---- TV 0.04 MG/L
 MS/MSD SAMPLE NO --- QC1 = JD 62888-1
 QC2 = _____

Analyst: MPW Date: 3/30/23

Comments: _____



gn 39776

Reagent Information Log - Nitrite as Nitrogen

Reagent

Reagent # or Manufacturer/Lot

Calibration Source: 1000 mg/l nitrite stock (STD)
ERA LOT #261221M XP: 12/14/2023
External Check (ICV)
ERA LOT #120421M XP: 4/7/2023
Spiking Solution Source STD
ERA LOT #261221M XP: 12/14/2023
NO2 Color Reagent
GNE3-3/23/2023-NO2 XP 4/23/2023
NH4OH
FISHER 193136 XP 2/20/2027

All standards and stocks were made as described in the SOP for this method (circle one): Y or N
If no (N), see attached page for standards prep.

Form: GN087A-42
Rev. Date: 3/30/2023



GENERAL CHEMISTRY STANDARD PREPARATION LOG

Product: NO2
GN or GP Number: gn 39776

Standard	Manufacturer/Lot Number	Concentration	Expiration Date							
1000 mg/l Nitrite Standard	ERA LOT# 261221M	1000 PPM	12/14/2023							
1000 mg/l Nitrite Standard (ICV)	ERA LOT# 120421M	1000 PPM	4/7/2023							
Standard Description	Lot or Tracking #	Initial Volume	Standard Used	Autopipet ID	Diluent	Final Volume	Final Concentration	Expiration Date	Analyst	Date
10 PPM NO2 STANDARD	GN-3/30/2023	1.0 ml	1000 mg/l Nitrite Standard	A	DI water	100 ml	10 mg/l	3/30/2023	MRP	3/30/2023
1 PPM NO2 STANDARD	GN-3/30/2023	10.0 ml	10 PPM NO2 STANDARD	A	DI water	100 ml	1 mg/L	3/30/2023	MRP	3/30/2023
10 PPM NO2 EXTERNAL	GN-3/30/2023	1.0 ml	Nitrite Standard (ICV)	A	DI water	100 ml	10 mg/l	3/30/2023	MRP	3/30/2023
1 PPM NO2 EXTERNAL	GN-3/30/2023	10.0 ml	10 PPM NO2 EXTERNAL	A	DI water	100 ml	1 mg/l	3/30/2023	MRP	3/30/2023
Standard Description	Intermediate or Stock used to prepare standard	Initial Volume	Concentration of Standard Used	Autopipet ID	Diluent	Final Volume	Final Concentration	Expiration Date	Analyst	Date
0.2 mg/L (high)	GN-3/30/2023	20.0 ml	1.0 mg/L	A	DI water	100 ml	0.2 mg/L	3/30/2023	MRP	3/30/2023
0.1 mg/L		10.0 ml	1.0 mg/L	A	DI water	100 ml	0.1 mg/L			
0.075 mg/L		7.5 ml	1.0 mg/L	A	DI water	100 ml	0.075 mg/L			
0.05 mg/L		5.0 ml	1.0 mg/L	A	DI water	100 ml	0.05 mg/L			
0.025 mg/L		2.5 ml	1.0 mg/L	A	DI water	100 ml	0.025 mg/L			
0.01 mg/L (low)	GN-3/30/2023	1.0 ml	1.0 mg/L	A	DI water	100 ml	0.01 mg/L	3/30/2023	MRP	3/30/2023
0 mg/L	NA	NA	NA	NA	NA	100 ml	NA	3/30/2023	MRP	3/30/2023
CCV	GN-3/30/2023	10.0 ml	1.0 mg/L	A	DI water	100 ml	0.1 mg/L	3/30/2023	MRP	3/30/2023
CCVA	GN-3/30/2023	20.0 ml	1.0 mg/L	A	DI water	100 ml	0.2 mg/L	3/30/2023	MRP	3/30/2023
ICV	GN-3/30/2023	10.0 ml	1.0 mg/L	A	DI water	100 ml	0.1 mg/L	3/30/2023	MRP	3/30/2023

* If Class A glass pipets are used, enter an A. For balances or autopipets, then enter the appropriate Accutest ID number.

Form: GN121-01
Rev. Date: 1/13/09

LABORATORY REVIEW SIGNATURE FORM
(To be stored with the raw data)File ID: E033023W1.NO32
Analyst: MMDate Analyzed: 03/30/23
Run ID: GN39816

Methods: EPA 353.2/LACHAT

The following analyst(s) have reviewed this run and attest that, to the best of their knowledge, this documentation is complete and correct:

Analyst: MM Date 03/30/23

Analyst: _____ Date _____

Analyst: _____ Date _____

Analyst: _____ Date _____

Analyst: _____ Date _____

Analyst: _____ Date _____

Analyst: _____ Date _____

The following supervisor or their designee has reviewed this run and attests that, to the best of their knowledge, this documentation is complete and correct:

Supervisor (or designee):  Date 3/31/23

GN39816

Author: Chemistry

Date : 3/30/2023

Original Run Filename: OM_3-30-2023_02-08-21PM.OMN Created: 3/30/2023 2:08:21 PM

Original Run Author's Signature: [Chemistry]

Current Run Filename: OM_3-30-2023_02-08-21PM.OMN Last Modified: 3/30/2023 2:21:19 PM

Current Run Author's Signature: [Chemistry]

Description: Default New Run

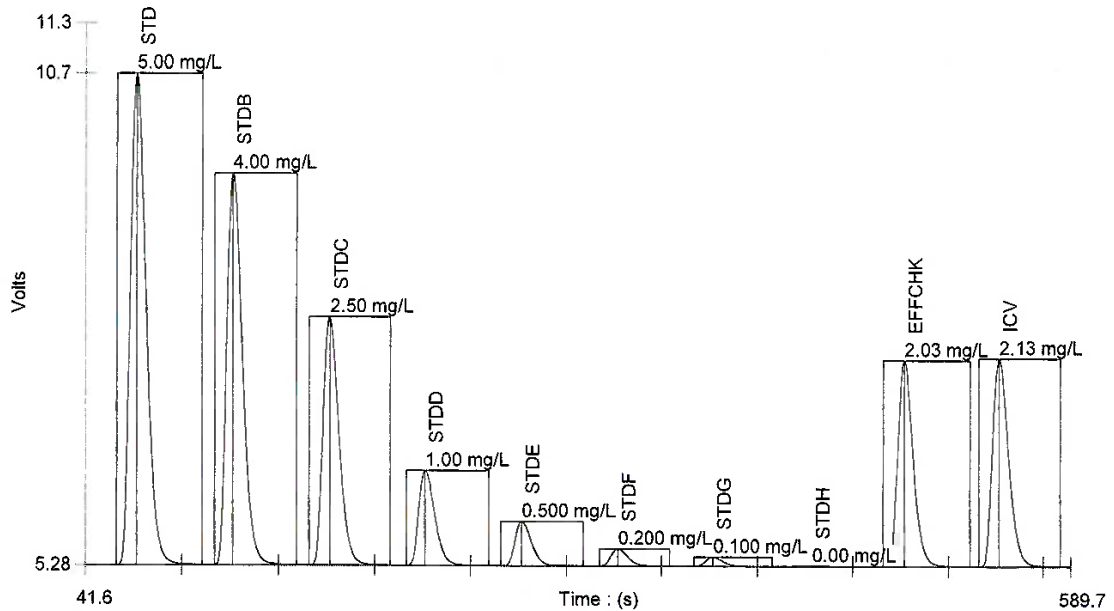
e033023w1.no32

Sample	Rep.	Cup No.	Channel 1 NO32 (mg/L)	Detection Time	MDF
STDA	1	1	5.00	3/30/2023@2:09:14 PM	
STDB	1	2	4.00	3/30/2023@2:10:19 PM	
STDC	1	3	2.50	3/30/2023@2:11:25 PM	
STDD	1	4	1.00	3/30/2023@2:12:30 PM	
STDE	1	5	0.500	3/30/2023@2:13:35 PM	
STDF	1	6	0.200	3/30/2023@2:14:40 PM	
STDG	1	7	0.100	3/30/2023@2:15:44 PM	
STDH	1	8	0.00	3/30/2023@2:16:49 PM	
EFFCHK	1	9	2.03	3/30/2023@2:17:53 PM	
Known Conc:			2.00		
Calibration:			Table/Fig. : 1		
ICV	1	10	2.13	3/30/2023@2:18:57 PM	
Known Conc:			2.00		
ICB	1	11	0.0194	3/30/2023@2:20:01 PM	
Known Conc:			0.00		
CCV	1	12	2.50	3/30/2023@2:21:06 PM	
Known Conc:			2.50		
CCB	1	13	0.0206	3/30/2023@2:22:10 PM	
Known Conc:			0.00		

106.5%

100%

Channel 1 - Set: 1 / 2



- 1 -

Author: Chemistry

Date : 3/30/2023

Channel 1 - Set: 2 / 2

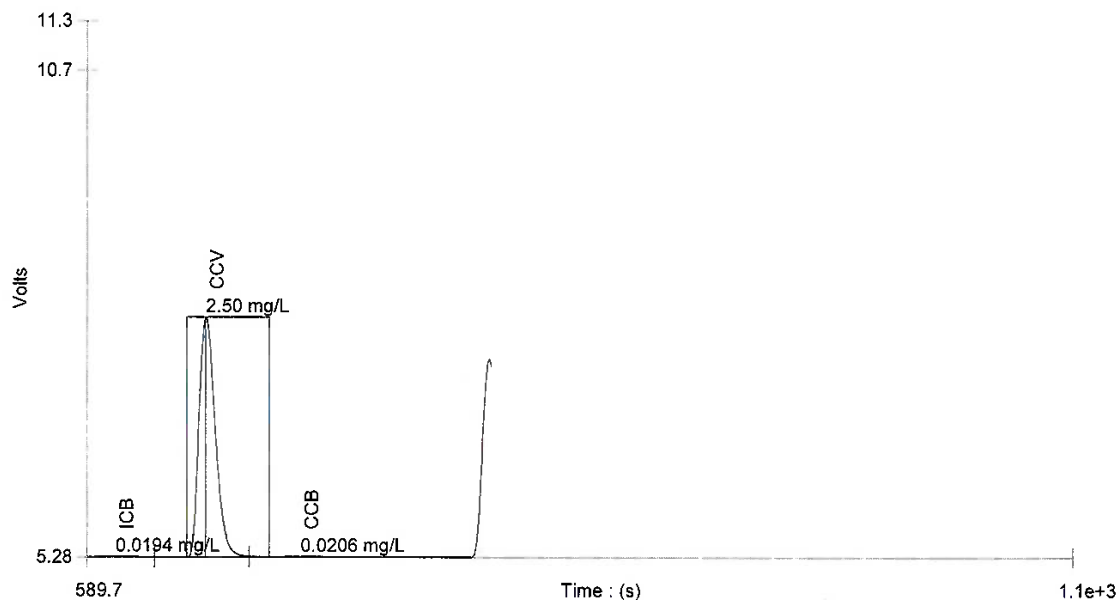


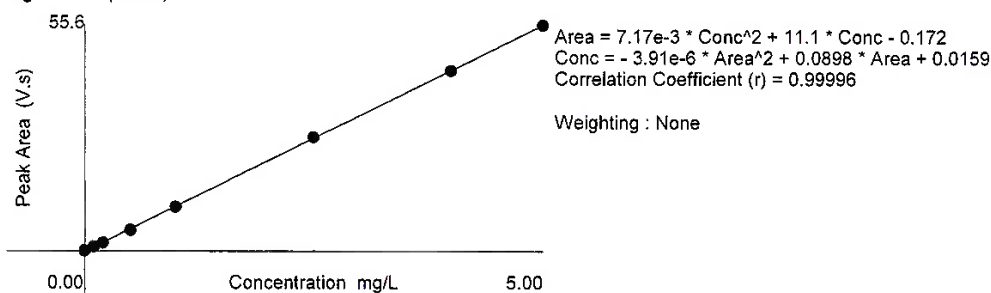
Table : 1 (NO32)

	Known Conc. (mg/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg/L)	Detection Date	Detection Time
1	5.00	1	55.6	5.42	0.0	7.6e-3	5.00	3/30/2023	2:09:14 PM
2	4.00	1	44.3	4.33	0.0	0.2	3.99	3/30/2023	2:10:19 PM
3	2.50	1	27.9	2.73	0.0	-1.0	2.52	3/30/2023	2:11:25 PM
4	1.00	1	10.8	1.05	0.0	1.6	0.984	3/30/2023	2:12:30 PM
5	0.500	1	5.10	0.489	0.0	5.4	0.474	3/30/2023	2:13:35 PM
6	0.200	1	1.99	0.188	0.0	3.2	0.194	3/30/2023	2:14:40 PM
7	0.100	1	1.07	0.0997	0.0	-13.6	0.112	3/30/2023	2:15:44 PM
8	0.00	1	0.0461	4.82e-3			0.0200	3/30/2023	2:16:49 PM

0.8%

12%

Figure : 1 (NO32)



Author: Chemistry

Date : 3/30/2023

Original Run Filename: OM_3-30-2023_02-28-02PM.OMN Created: 3/30/2023 2:28:02 PM

Original Run Author's Signature: [Chemistry]

Current Run Filename: OM_3-30-2023_02-28-02PM.OMN Last Modified: 3/30/2023 3:44:53 PM

Current Run Author's Signature: [Chemistry]

Description: Default New Run

Sample	Rep.	Cup No.	Channel 1 NO32 (mg/L)	Detection Time	MDF
CCV	1	12	2.51	3/30/2023@2:29:03 PM	
		Known Conc:	2.50		
CCB	1	13	0.0199	3/30/2023@2:30:07 PM	
		Known Conc:	0.00		
GP45893-MB1	1	14	0.0190	3/30/2023@2:31:11 PM	
GP45893-B1	1	15	2.08	3/30/2023@2:32:15 PM	
GP45893-S1	1	16	3.29	3/30/2023@2:33:20 PM	
GP45893-S2	1	17	1.34	3/30/2023@2:34:25 PM	
GP45893-D1	1	18	2.43	3/30/2023@2:35:31 PM	
JD62498-5	1	19	2.37	3/30/2023@2:36:36 PM	
JD62498-1	1	20	3.41	3/30/2023@2:37:41 PM	
JD62498-2	1	21	0.0935	3/30/2023@2:38:46 PM	
JD62498-4	1	22	0.991	3/30/2023@2:39:51 PM	
JD62498-6	1	23	0.678	3/30/2023@2:40:55 PM	
CCV	1	12	2.49	3/30/2023@2:41:59 PM	
		Known Conc:	2.50		
CCB	1	13	0.0205	3/30/2023@2:43:03 PM	
		Known Conc:	0.00		
JD62498-7	1	24	1.81	3/30/2023@2:44:08 PM	
JD62498-8	1	25	0.137	3/30/2023@2:45:13 PM	
JD62498-9	1	26	0.781	3/30/2023@2:46:17 PM	
JD62498-10	1	27	0.812	3/30/2023@2:47:21 PM	
JD62498-11	1	28	1.09	3/30/2023@2:48:25 PM	
JD62808-1	1	29	0.447	3/30/2023@2:49:29 PM	
JD62808-2	1	30	0.226	3/30/2023@2:50:33 PM	
JD62888-1	1	31	8.22	3/30/2023@2:51:39 PM	
JD62888-2	1	32	5.44	3/30/2023@2:52:44 PM	
JD62888-3	1	33	7.04	3/30/2023@2:53:49 PM	
CCV	1	12	2.39	3/30/2023@2:54:53 PM	
		Known Conc:	2.50		
CCB	1	13	0.0205	3/30/2023@2:55:57 PM	
		Known Conc:	0.00		
JD62888-4	1	34	0.0233	3/30/2023@2:57:03 PM	
JD62896-1	1	35	4.50	3/30/2023@2:58:08 PM	
JD62897-1	1	36	6.58	3/30/2023@2:59:13 PM	
GP45894-MB1	1	37	0.0195	3/30/2023@3:00:17 PM	
GP45894-B1	1	38	2.00	3/30/2023@3:01:22 PM	
GP45894-S1	1	39	1.23	3/30/2023@3:02:27 PM	
GP45894-S2	1	40	2.66	3/30/2023@3:03:31 PM	
GP45894-D1	1	41	0.324	3/30/2023@3:04:35 PM	
JD62596-14	1	42	0.312	3/30/2023@3:05:40 PM	
JD62596-7	1	43	2.92	3/30/2023@3:06:44 PM	
CCV	1	12	2.43	3/30/2023@3:07:48 PM	
		Known Conc:	2.50		
CCB	1	13	0.0206	3/30/2023@3:08:52 PM	
		Known Conc:	0.00		
JD62596-8	1	44	2.94	3/30/2023@3:09:56 PM	
JD62515-1	1	45	1.73	3/30/2023@3:11:00 PM	
JD62515-2	1	46	1.43	3/30/2023@3:12:06 PM	
JD62515-3	1	47	0.996	3/30/2023@3:13:12 PM	
JD62515-4	1	48	1.72	3/30/2023@3:14:17 PM	
JD62758-1	1	49	0.0850	3/30/2023@3:15:22 PM	
JD62758-4	1	50	1.63	3/30/2023@3:16:27 PM	
JD62758-5	1	51	1.61	3/30/2023@3:17:32 PM	
JD62758-7	1	52	1.60	3/30/2023@3:18:36 PM	
JD62758-8	1	53	0.437	3/30/2023@3:19:41 PM	
CCV	1	12	2.40	3/30/2023@3:20:45 PM	
		Known Conc:	2.50		
CCB	1	13	0.0178	3/30/2023@3:21:49 PM	
		Known Conc:	0.00		

e033023w2. n032

100.4%

104%

99.6%

95.6

100%

97.2%

96%

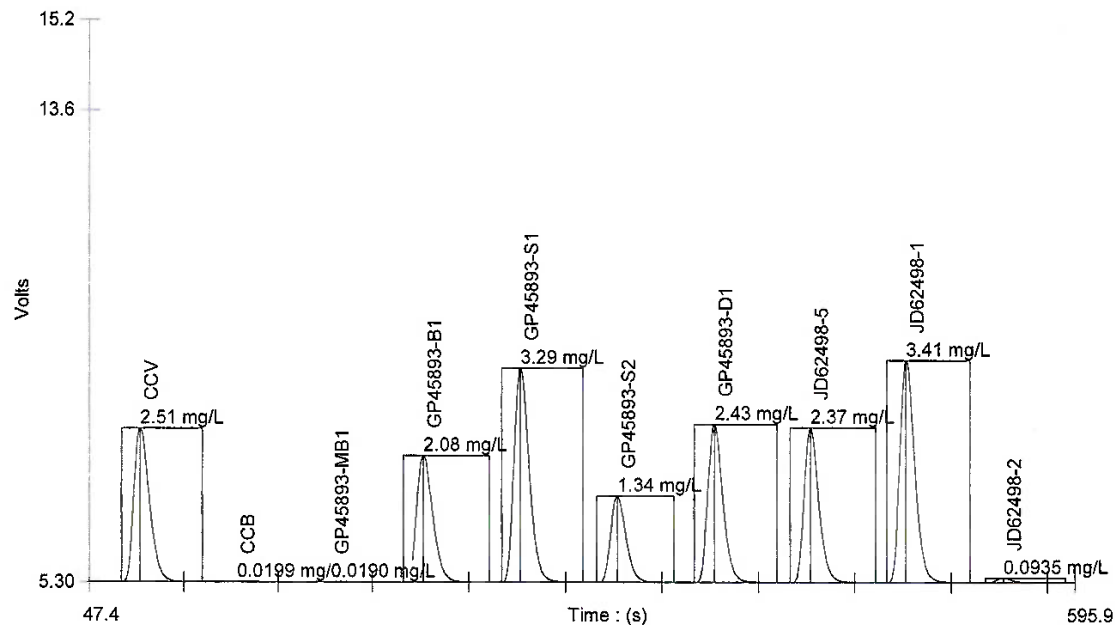
Author: Chemistry

Date : 3/30/2023

JD62758-9	1	54	0.0298	3/30/2023@3:22:54 PM	
JD62758-10	1	55	0.0240	3/30/2023@3:23:58 PM	
JD62758-11	1	56	0.0285	3/30/2023@3:25:02 PM	
JD62758-12	1	57	0.281	3/30/2023@3:26:06 PM	
JD62789-1	1	58	17.0	3/30/2023@3:27:10 PM	
LA89062-1	1	63	4.83	3/30/2023@3:28:16 PM	
JD62888-1	1	59	2.29	3/30/2023@3:29:20 PM	4.00
JD62888-2	1	60	2.75	3/30/2023@3:30:24 PM	2.00
JD62888-3	1	61	2.49	3/30/2023@3:31:29 PM	3.00
JD62897-1	1	62	2.37	3/30/2023@3:32:34 PM	3.00
CCV	1	12	2.41	3/30/2023@3:33:38 PM	
Known Conc:			2.50		
Calibration:			Table/Fig. : 1		
CCB	1	13	0.0173	3/30/2023@3:34:42 PM	
Known Conc:			0.00		
JD62789-1	1	78	3.25	3/30/2023@3:35:47 PM	100.00
JD62789-1	1	79	1.74	3/30/2023@3:36:52 PM	200.00
LA89062-1	1	80	1.44	3/30/2023@3:37:57 PM	2.00
GP45900-MB1	1	64	0.0200	3/30/2023@3:39:01 PM	
GP45900-B1	1	65	2.00	3/30/2023@3:40:07 PM	
GP45900-S1	1	66	1.95	3/30/2023@3:41:11 PM	
GP45900-D1	1	67	0.997	3/30/2023@3:42:16 PM	
JD62928-1	1	68	0.978	3/30/2023@3:43:21 PM	
JD62928-2	1	69	0.432	3/30/2023@3:44:26 PM	
JD62928-3	1	70	0.0653	3/30/2023@3:45:30 PM	
CCV	1	12	2.42	3/30/2023@3:46:34 PM	
Known Conc:			2.50		

- 2 mL Sample + 6 mL DI
 - 4 mL Sample + 4 mL DI
 - 3 mL Sample + 6 mL DI
 - 96.4%
 - not needed = 1 mL + 99 mL DI
 - 4 mL (1:100) + 4 mL DI
 - 3 mL Sample + 3 mL DI
 - 100%
 - 96.8%

Channel 1 - Set: 1 / 8

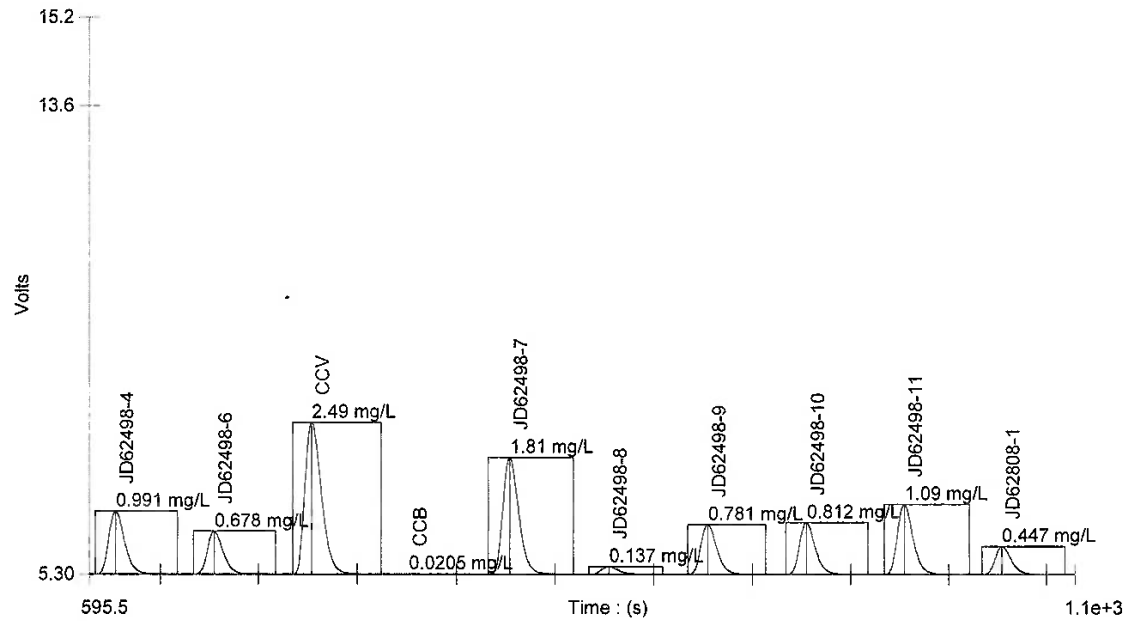


- 2 -

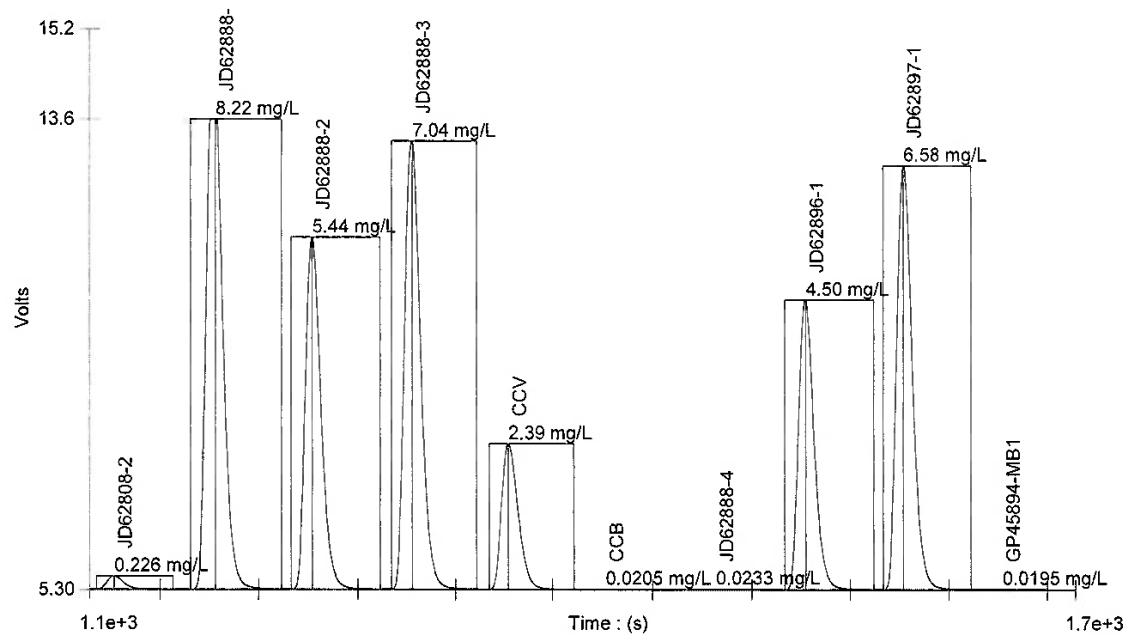
Author: Chemistry

Date : 3/30/2023

Channel 1 - Set: 2 / 8



Channel 1 - Set: 3 / 8

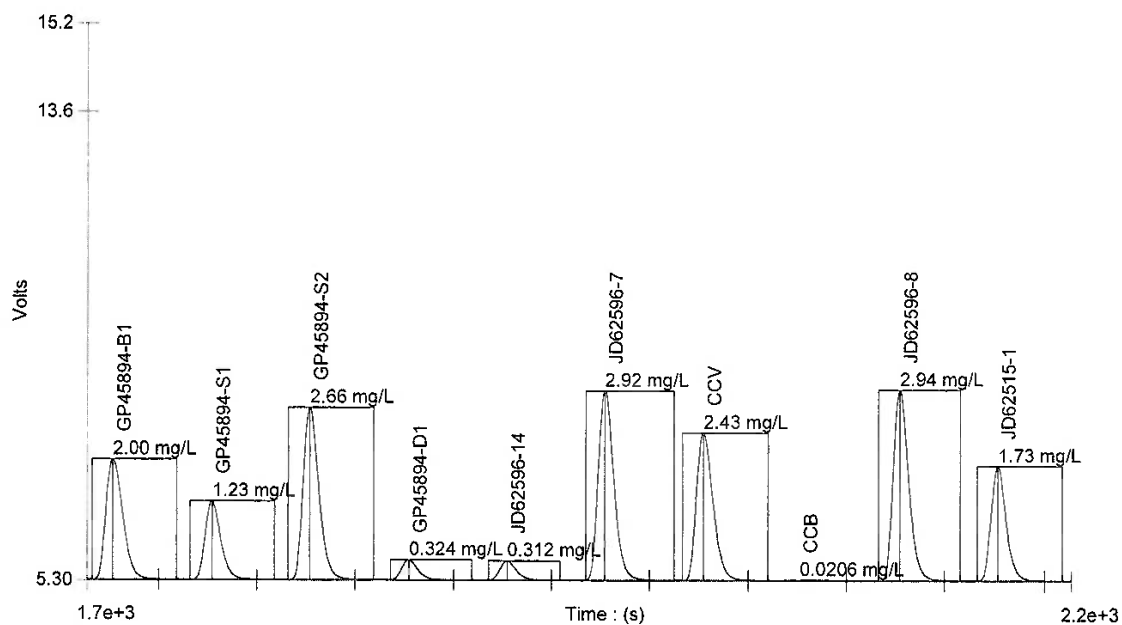


- 3 -

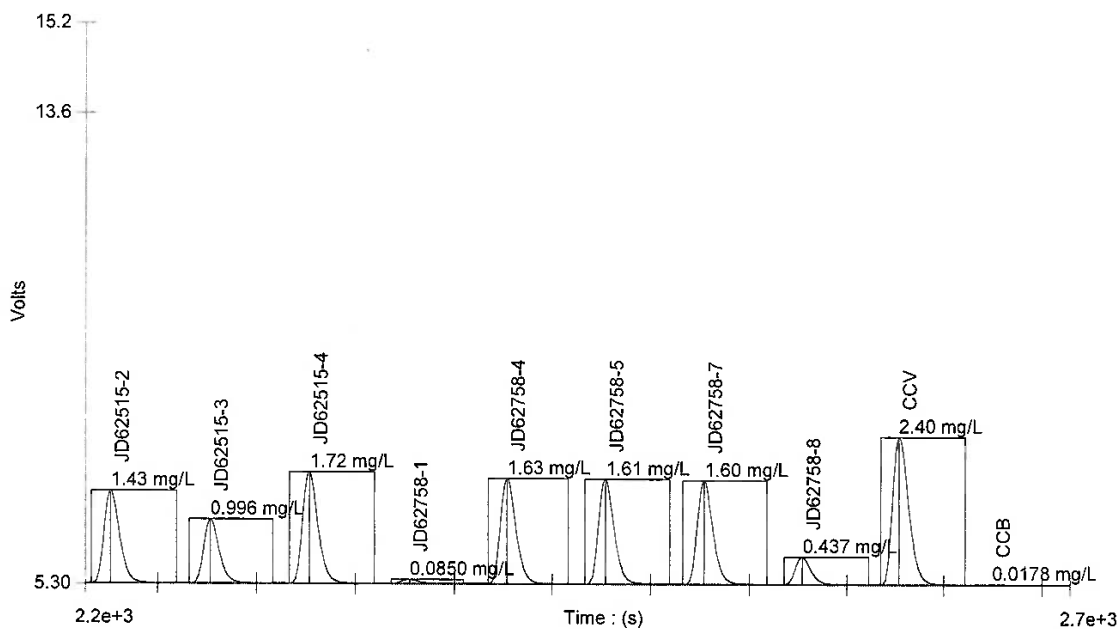
Author: Chemistry

Date : 3/30/2023

Channel 1 - Set: 4 / 8



Channel 1 - Set: 5 / 8

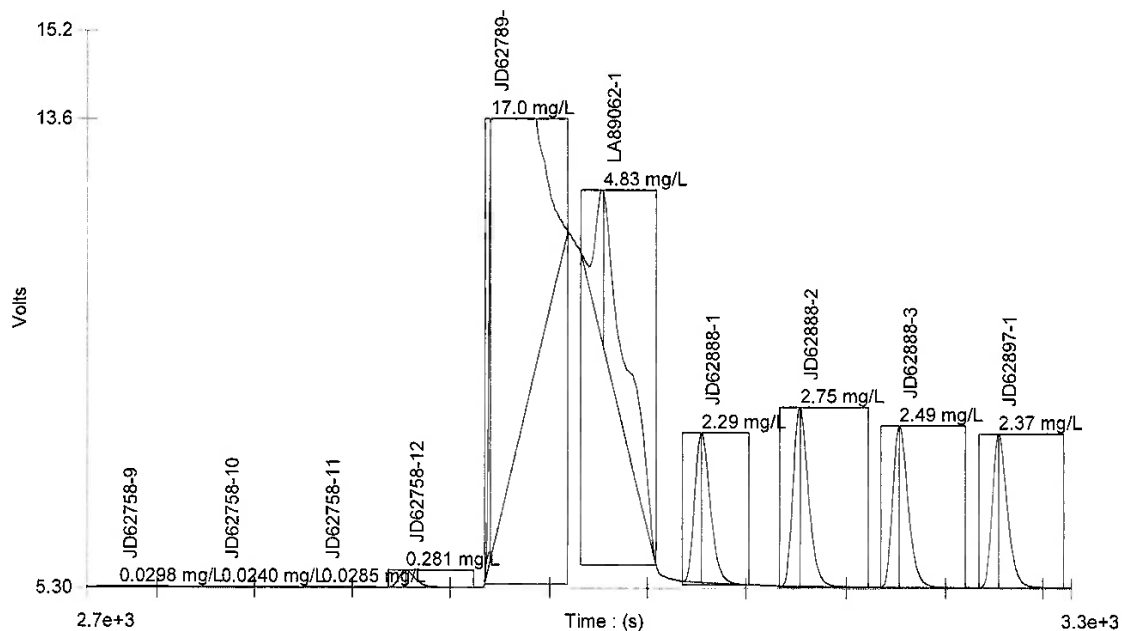


- 4 -

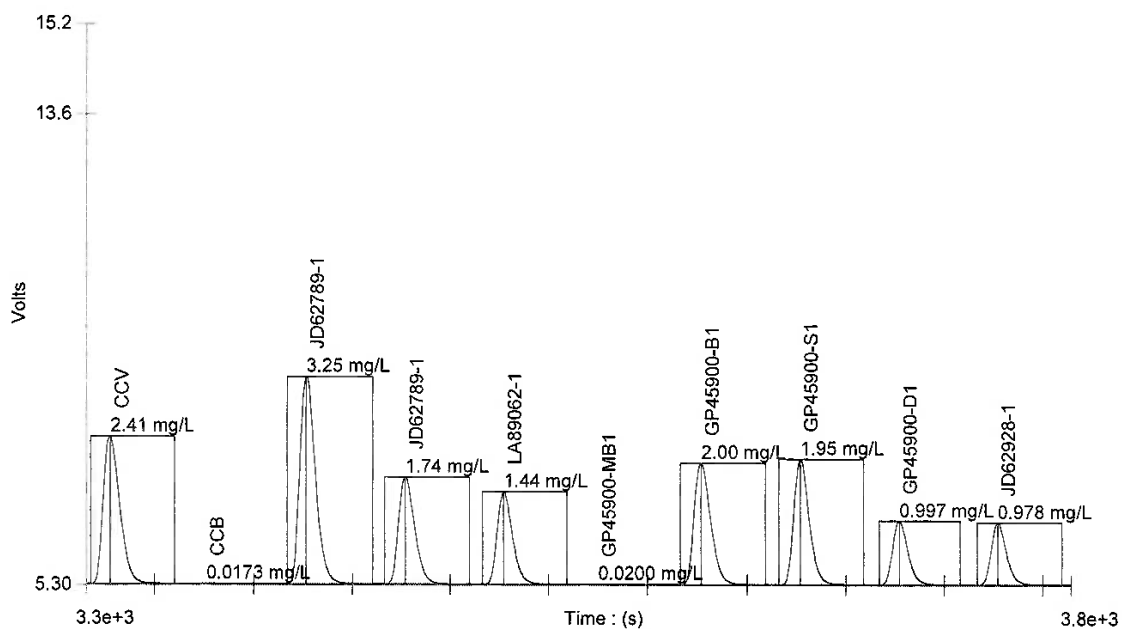
Author: Chemistry

Date : 3/30/2023

Channel 1 - Set: 6 / 8



Channel 1 - Set: 7 / 8



- 5 -

Author: Chemistry

Date : 3/30/2023

Channel 1 - Set: 8 / 8

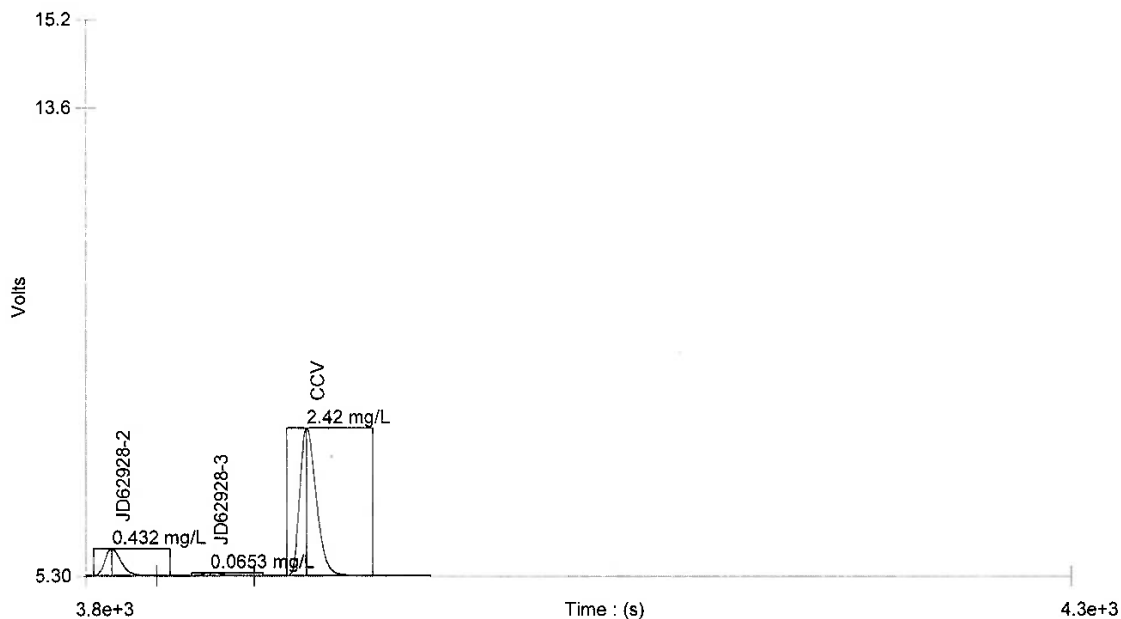
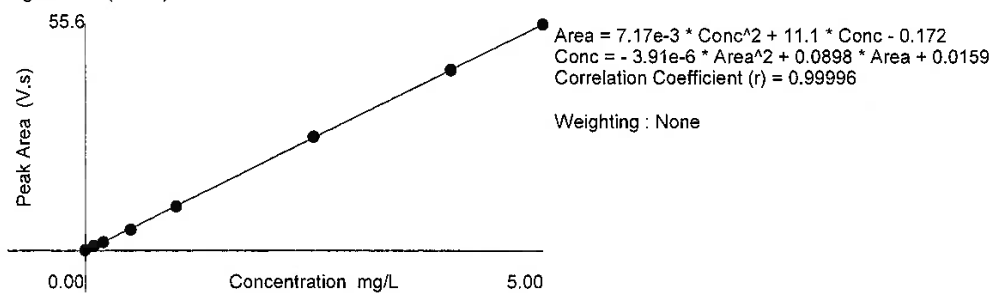


Table : 1 (NO32)

	Known Conc. (mg/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg/L)	Detection Date	Detection Time
1	5.00	1	55.6	5.42	0.0	7.6e-3	5.00	3/30/2023	2:09:14 PM
2	4.00	1	44.3	4.33	0.0	0.2	3.99	3/30/2023	2:10:19 PM
3	2.50	1	27.9	2.73	0.0	-1.0	2.52	3/30/2023	2:11:25 PM
4	1.00	1	10.8	1.05	0.0	1.6	0.984	3/30/2023	2:12:30 PM
5	0.500	1	5.10	0.489	0.0	5.4	0.474	3/30/2023	2:13:35 PM
6	0.200	1	1.99	0.188	0.0	3.2	0.194	3/30/2023	2:14:40 PM
7	0.100	1	1.07	0.0997	0.0	-13.6	0.112	3/30/2023	2:15:44 PM
8	0.00	1	0.0461	4.82e-3			0.0200	3/30/2023	2:16:49 PM

Figure : 1 (NO32)



Author: Chemistry

Date : 3/30/2023

Original Run Filename: OM_3-30-2023_03-51-04PM.OMN Created: 3/30/2023 3:51:04 PM

Original Run Author's Signature: [Chemistry]

Current Run Filename: OM_3-30-2023_03-51-04PM.OMN Last Modified: 3/30/2023 4:12:23 PM

Current Run Author's Signature: [Chemistry]

Description: Default New Run

Sample	Rep.	Cup No.	Channel 1	Detection Time	MDF
			NO32 (mg/L)		
CCV	1	12	2.42	3/30/2023@3:51:57 PM	
		Known Conc:	2.50		
CCB	1	13	0.0257	3/30/2023@3:53:01 PM	
		Known Conc:	0.00		
		Calibration:	Table/Fig. : 1		
JD62928-4	1	71	0.0243	3/30/2023@3:54:05 PM	
JD62929-1	1	72	0.115	3/30/2023@3:55:09 PM	
JD62929-2	1	73	0.0466	3/30/2023@3:56:14 PM	
JD62929-3	1	74	1.21	3/30/2023@3:57:18 PM	
LA89039-1	1	75	2.95	3/30/2023@3:58:22 PM	
LA89039-2	1	76	12.1	3/30/2023@3:59:27 PM	
LA89039-3	1	77	4.15	3/30/2023@4:00:33 PM	
CCV	1	12	2.40	3/30/2023@4:03:10 PM	
		Known Conc:	2.50		
CCB	1	13	0.0226	3/30/2023@4:04:14 PM	
		Known Conc:	0.00		
CONF	1	1	4.85	3/30/2023@4:05:52 PM	
CCV	1	12	2.42	3/30/2023@4:08:29 PM	
		Known Conc:	2.50		
CCB	1	13	0.0226	3/30/2023@4:09:33 PM	
		Known Conc:	0.00		
LA89039-2	1	81	2.93	3/30/2023@4:10:38 PM	8.00
CCV	1	12	2.41	3/30/2023@4:13:16 PM	
		Known Conc:	2.50		
CCB	1	13	0.0242	3/30/2023@4:14:20 PM	
		Known Conc:	0.00		

e033023u03.no32

96.8%

96.1%

96.8%

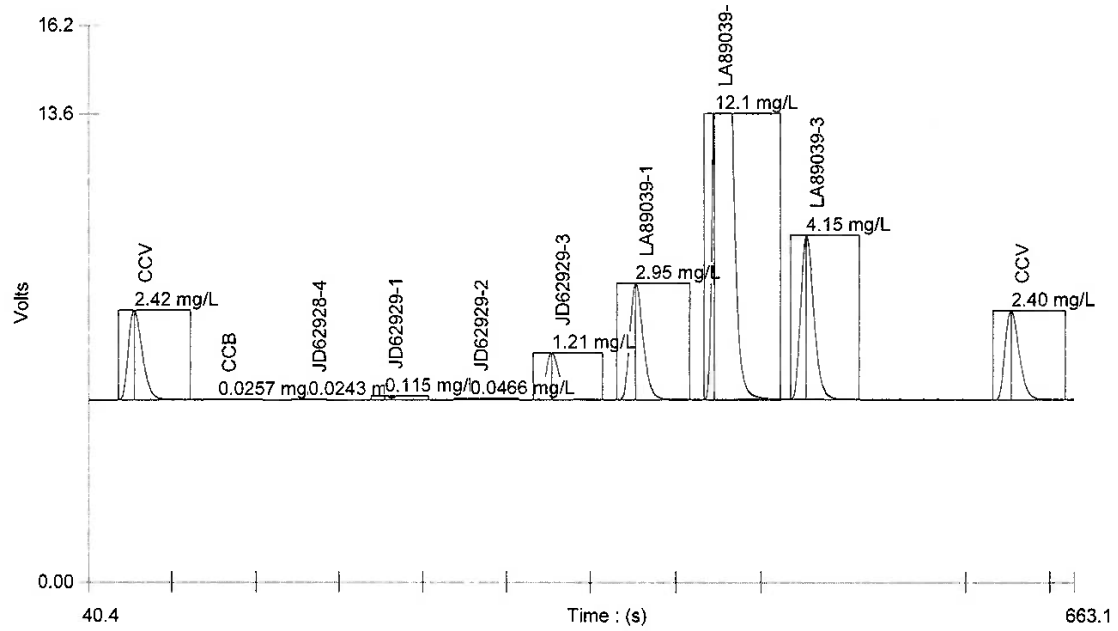
1 ml Sample + 7 mL DI

96.4%

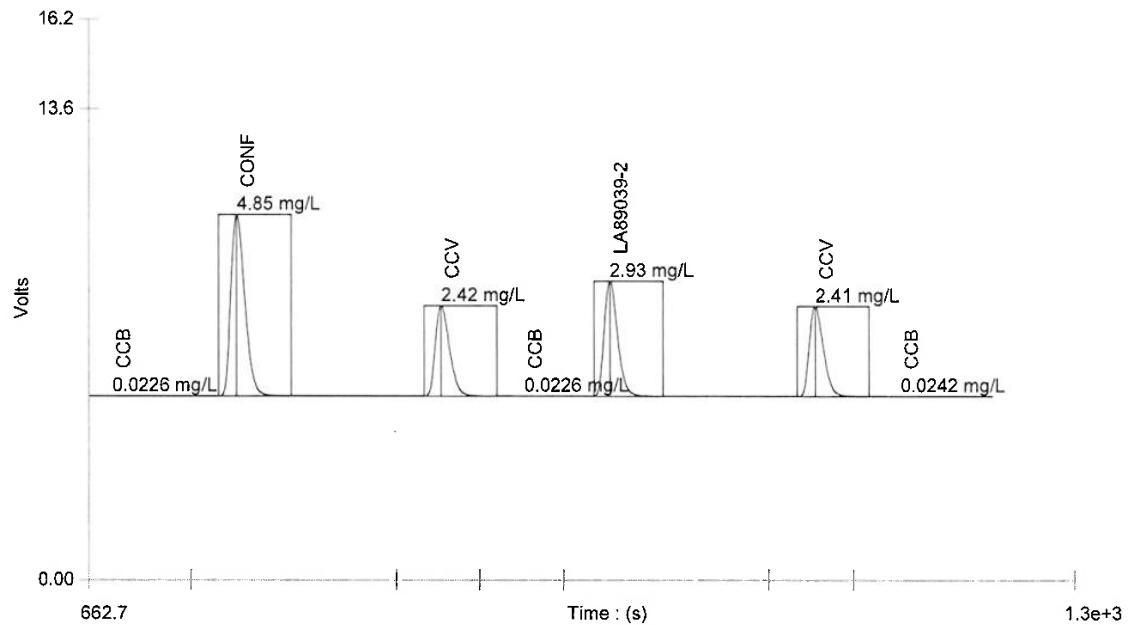
Author: Chemistry

Date : 3/30/2023

Channel 1 - Set: 1 / 2



Channel 1 - Set: 2 / 2



- 2 -

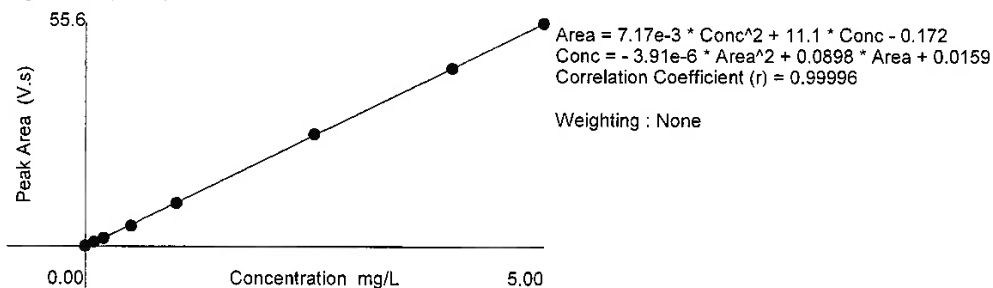
Author: Chemistry

Date : 3/30/2023

Table : 1 (NO32)

	Known Conc. (mg/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg/L)	Detection Date	Detection Time
1	5.00	1	55.6	5.42	0.0	7.6e-3	5.00	3/30/2023	2:09:14 PM
2	4.00	1	44.3	4.33	0.0	0.2	3.99	3/30/2023	2:10:19 PM
3	2.50	1	27.9	2.73	0.0	-1.0	2.52	3/30/2023	2:11:25 PM
4	1.00	1	10.8	1.05	0.0	1.6	0.984	3/30/2023	2:12:30 PM
5	0.500	1	5.10	0.489	0.0	5.4	0.474	3/30/2023	2:13:35 PM
6	0.200	1	1.99	0.188	0.0	3.2	0.194	3/30/2023	2:14:40 PM
7	0.100	1	1.07	0.0997	0.0	-13.6	0.112	3/30/2023	2:15:44 PM
8	0.00	1	0.0461	4.82e-3			0.0200	3/30/2023	2:16:49 PM

Figure : 1 (NO32)



SGS Dayton

Analyst: ____MM____

Prep Date: ____03/30/2023

Pipette ID: 52 and 57

Batch ID: ____GP45893

pH paper Lot: 206722 XP 03/01/2025

Nitrate-Nitrite (NO₃²) AQUEOUS QC Prep Log / Sample pH Log

Sample ID	Standard Prep	Std Final Volume		SAMPLE pH 5 - 9 (Y / N)	Chlorine Present (Y / N) If Y, add sodium thiosulfate
EDTA BUFFER SOLN.	N/A	N/A		9.1	
MB				Y	
BS	1.0ML OF 100PPM	50MLS	carrier		
MS1	0.5ML OF 100PPM	50MLS	JD62498-5		
MS2	0.5ML OF 100PPM	50MLS	JD62808-1		
DUP			JD62498-5		
JD62498-1					
JD62498-2					
JD62498-4					
JD62498-5					
JD62498-6					
JD62498-7					
JD62498-8					
JD62498-9					
JD62498-10					
JD62498-11					
JD62808-1					
JD62808-2					
JD62888-1					
JD62888-2					
JD62888-3					
JD62888-4					
JD62896-1					
JD62897-1					

Form GN319-04 Aqueous

Reviewer: _____

Rev date: 03/06/2023

Date: _____

SGS Dayton

Analyst: ____ MM ____

Prep Date: ____ 03/30/2023

Pipette ID: 52 and 57

Batch ID: ____ GP45894

pH paper Lot: 206722 XP 03/01/2025

Nitrate-Nitrite (NO₃²) AQUEOUS QC Prep Log / Sample pH Log

Sample ID	Standard Prep	Std Final Volume		SAMPLE pH 5 - 9 (Y / N)	Chlorine Present (Y / N) If Y, add sodium thiosulfate
EDTA BUFFER SOLN.	N/A	N/A		9.1	
MB				Y	
BS	1.0ML OF 100PPM	50MLS	carrier		
MS1	0.5ML OF 100PPM	50MLS	JD62596-14		
MS2	0.5ML OF 100PPM	50MLS	JD62515-1		
DUP			JD62596-14		
JD62596-14					
JD62596-7					
JD62596-8					
JD62515-1					
JD62515-2					
JD62515-3					
JD62515-4					
JD62758-1					
JD62758-4					
JD62758-5					
JD62758-7					
JD62758-8					
JD62758-9					
JD62758-10					
JD62758-11					
JD62758-12					
JD62789-1					
LA89062-1					

Form GN319-04 Aqueous

Reviewer: _____

Rev date: 03/06/2023

Date: _____



GENERAL CHEMISTRY STANDARD PREPARATION LOG

Product:

NO32

GN/GP number: GN39816

Analyst:

MM

Date:

3/30/2023

Intermediate Standard Description	Stock used to prepare standard	Stock concentration	Stock volume used in ml	Pipette ID*	Diluent	Final Volume	Final Conc. of Intermediate (mg/l)	Expiration Date	Standard ID
100 ppm NO3 intermediate	GENE12-72667-NO32	1000	10	48	Carrier	100 ml	100	4/9/2023	NO32-100-030923
100 ppm NO2 intermediate	GENE12-72665-NO32	1000	10	48	Carrier	100 ml	100	4/9/2023	NO2-100-030923
100 ppm NO3 External	GENE12-72666-NO32	1000	10	48	Carrier	100 ml	100	4/9/2023	NO32E-100-030923
Standard Description	Intermediate or Stock used to prepare standard	Intermediate or Stock concentration	Intermediate or Stock volume used in ml		Diluent	Final Volume	Final Conc. of Standard (mg/l)	Expiration Date	
5.0 mg/l NO3	NO32-100-030923	100 mg/l	5.0	48	Carrier	100 ml	5.0	3/29/2023	STDA-032223
2.5 mg/l NO3	NO32-100-030923	100 mg/l	2.5	48	Carrier	100 ml	2.5	3/29/2023	STDB-032223
1.0 mg/l NO3	NO32-100-030923	100 mg/l	1.0	48	Carrier	100 ml	1.0	3/29/2023	STDC-032223
0.5 mg/l NO3	NO32-100-030923	100 mg/l	0.5	48	Carrier	100 ml	0.5	3/29/2023	STDD-032223
0.2 mg/l NO3	NO32-100-030923	100 mg/l	0.2	48	Carrier	100 ml	0.2	3/29/2023	STDE-032223
0.1 mg/l NO3	NO32-100-030923	100 mg/l	0.1	48	Carrier	100 ml	0.1	3/29/2023	STDF-032223
Effcheck 2.0	NO2-100-030923	100 mg/l	2.0	48	Carrier	100 ml	2.0	3/30/2023	EFFcheck-033023
ICV	NO32E-100-030923	100 mg/l	2.0	48	Carrier	100 ml	2.0	3/29/2023	ICV-032223

*If Class A glass pipettes are used, enter an A.

Form: GN205-03

Rev. Date: 03/22/2022



Reagent Information Log - Nitrate Lachat Autoanalyzer

<u>Reagent</u>	<u>Reagent # or Manufacturer/Lot</u>	<u>Expiration Date</u>
Nitrate Stock Solution	GNE12-72667-NO32	6/10/2023
Ammonium Chloride Buffer Solution	GNE11-72430-NO3	5/23/2023
Sulfanilamide Color Reagent	GNE3-73551-NO32	4/2/2023
1:1 NH ₄ OH	GNE11-72312-NO3	6/15/2023
Carrier Solution	GNE1-73258-NO32	8/2/2023
1000 ppm Nitrite Solution	GNE12-2665-NO32	6/10/2023
Nitrate External Stock Solution	GNE12-72666-NO32	6/10/2023

Reason codes for data corrections: 1-reviewer error correction; 2-transcription error; 3-computer error; 4-analyst error

Form: GN087A-43
Rev. Date: 7/19/06

LABORATORY REVIEW SIGNATURE FORM
(To be stored with the raw data)File ID: D230330W1.TXT
Analyst: MBDate Analyzed: 03/01/23
Run ID: GN39817

Methods: SM5310 B-11/14

The following analyst(s) have reviewed this run and attest that, to the best of their knowledge, this documentation is complete and correct:

Analyst: MB Date 3-30-23

Analyst: _____ Date _____

Analyst: _____ Date _____

Analyst: _____ Date _____

Analyst: _____ Date _____

Analyst: _____ Date _____

Analyst: _____ Date _____

The following supervisor or their designee has reviewed this run and attests that, to the best of their knowledge, this documentation is complete and correct:

Supervisor (or designee): [Signature] Date 3/1/23

C:\TOC-L\Data\230330w1.toc.tlx

	Sample Name	Sample ID	Origin	Manual Dilution	Result	Comment
1	WASHCONF		TOCAQSW846.met	1.000	NPOC:0.5131mg/L	
2	CRI		TOCAQSW846.met	1.000	NPOC:1.097mg/L	
3	HSTD		TOCAQSW846.met	1.000	NPOC:47.05mg/L	
4	ICV		TOCAQSW846.met	1.000	NPOC:19.89mg/L	
5	ICB		TOCAQSW846.met	1.000	NPOC:0.3547mg/L	
6	CCV		TOCAQSW846.met	1.000	NPOC:24.13mg/L	
7	CCB		TOCAQSW846.met	1.000	NPOC:0.8087mg/L	
8	SPARGERCHK		TOCAQSW846.met	1.000	NPOC:0.6197mg/L	
9	GP45861-MB1	[toc]	TOCAQ.met	1.000	NPOC:0.4633mg/L	
10	GP45861-B1		TOCAQ.met	1.000	NPOC:9.211mg/L	
11	JD62808-1		TOCAQ.met	1.000	NPOC:5.029mg/L	
12	GP45861-S1	JD62808-1	TOCAQ.met	1.000	NPOC:14.65mg/L	
13	GP45861-MSD1	JD62808-1	TOCAQ.met	1.000	NPOC:14.41mg/L	
14	JD62888-4	field blank	TOCAQ.met	1.000	NPOC:0.3454mg/L	
15	JD62808-2		TOCAQ.met	1.000	NPOC:5.617mg/L	
16	JD62808-3		TOCAQ.met	1.000	NPOC:5.159mg/L	
17	JD62808-4		TOCAQ.met	1.000	NPOC:5.154mg/L	
18	CCVA		TOCAQ.met	1.000	NPOC:46.44mg/L	
19	CCB		TOCAQ.met	1.000	NPOC:0.6588mg/L	
20	JD62808-5		TOCAQ.met	1.000	NPOC:4.828mg/L	
21	JD62888-1		TOCAQ.met	1.000	NPOC:1.012mg/L	
22	JD62888-2		TOCAQ.met	1.000	NPOC:0.8136mg/L	
23	JD62888-3		TOCAQ.met	1.000	NPOC:1.073mg/L	
24	CCV		TOCAQ.met	1.000	NPOC:24.09mg/L	
25	CCB		TOCAQ.met	1.000	NPOC:0.6822mg/L	
26	SPARGERCHK		TOCAQ.met	1.000	NPOC:0.3946mg/L	

230330 w1.toc

GN39817

MB

3-30-23

GN Batch ID: GN39817Date: 3-30-23Test: **Total Organic Carbon**Product: **TOC or DOC**Method: **SM5310 B, C, or D-11, SW846 9060M**

J230330wl.toc

Note: Refer to raw data and LIMS for information not shown below.

Autosampler Position #	Sample ID	pH	Dilution Factor	Bottle #	Comments
1	WASHCONF	<2			
2	CRI				
3	HSTD				
4	ICV				
5	ICB				
6	CCV				
7	CCB				
8	SPARGERCHK				
9	GP45861-MB1			-	[toc]
10	GP45861-B1			-	
11	JD62808-1			12	
12	GP45861-S1			12	JD62808-1
13	GP45861-MSD1			12	JD62808-1
14	JD62888-4			5	Field Blank
15	JD62808-2			12	
16	JD62808-3			1	
17	JD62808-4			1	
18	CCVA				
19	CCB				
20	JD62808-5			5	
21	JD62888-1			5	
22	JD62888-2			5	
23	JD62888-3			5	
24	CCV				
25	CCB				
26	SPARGERCHK				

Analyst: MB Date: 3-30-23 QCReviewer: _____ Date: _____

Comments: BSP: 500ul of 1000ppm KHP up to 50mL with DI H2O TV= 10 mg/L

MS/MSD: 200ul of 1000ppm KHP up to 20mL with sample TV=10 mg/L

ICV: 5mL of 100 ppm Sucrose up to 25mL with DI H2O TV=20 mg/L

Form: GN054-04

Rev. Date: 2/27/18



Reagent Information Log - TOC/DOC

GN39817

<u>Reagent</u>	<u>Expiration Date</u>	<u>Reagent # or Manufacturer/Lot</u>
Potassium Hydrogen Phthalate (KHP), Stock Solution 1000 mg/L	4/13/2023	GNE1-72979-TOC
Carbonate/Bicarbonate Stock Solution	4/13/2023	GNE1-72982-TOC
Sparger Check Solution	4/13/2023	GNE3-70727-TOC
CCV Solution	4/14/2023	GNE3-70678-TOC
CCVA Solution (50 ppm)	4/14/2023	GNE3-70679-TOC
CRI Check	4/13/2023	GNE3-70729-TOC
HCl	4/10/2024	VWR CHEMICALS LOT #2022041418
pH Hydron Paper	8/1/2024	FISHER LOT #222221
Sucrose Stock Solution	4/14/2023	GNE3-70676-TOC

All standards and stocks were made as described in the SOP for this method (circle one): Y or N
If no (N), see attached page for standards prep.

Form: GN087A67-043

Rev Date: 3/17/2023



GENERAL CHEMISTRY STANDARD PREPARATION LOG FOR TOC (AQ)

Product:

TOC

Analyst:

MB

Date:

3-30-23

GN/GP number:

Intermediate Standard Description	Stock used to prepare standard	Stock concentration (mg/L)	Stock volume used (mL or g)	Balance/Pipette ID*	Diluent(a)	Final Volume	Final Conc. of Intermediate (mg/L)	Expiration Date	Analyst	Date
ONE1-72979-TOC	Fisher Lot: 178879	KHP	2.1528 g	B-39	DI H2O	1000 mL	1000 ppm	4/13/2023	MB	1/12/2023
ONE3-70728-TOC	ONE1-72979-TOC	1000 ppm	20 mL	Class A Pipet	DI H2O	200 mL	100 ppm	4/13/2023	MB	3/28/2023
ONE3-70676-TOC	Fisher Lot: 210554	Sucrose	0.0486 g	B-39	DI H2O	200 mL	100 ppm	4/14/2023	MB	3/17/2023
Standard Description	Intermediate or Stock used to prepare standard	Intermediate or Stock concentration (mg/L)	Intermediate or Stock volume used (mL)	Balance/Pipette ID*	Diluent	Final Volume	Final Conc. of Standard (mg/L)	Expiration Date	Analyst	Date
KHP STDS										
ONE3-70729-TOC	ONE3-70728-TOC	100 ppm	1.0	Class A Pipet	DI H2O	100 mL	1.0	4/13/2023	MB	3/28/2023
ONE3-70730-TOC	ONE3-70728-TOC	100 ppm	2.0	Class A Pipet	DI H2O	100 mL	2.0	4/13/2023	MB	3/28/2023
ONE3-70731-TOC	ONE3-70728-TOC	100 ppm	5.0	Class A Pipet	DI H2O	100 mL	5.0	4/13/2023	MB	3/28/2023
ONE3-70732-TOC	ONE3-70728-TOC	100 ppm	10.0	Class A Pipet	DI H2O	100 mL	10.0	4/13/2023	MB	3/28/2023
ONE3-70733-TOC	ONE3-70728-TOC	100 ppm	20.0	Class A Pipet	DI H2O	100 mL	20.0	4/13/2023	MB	3/28/2023
ONE3-70734-TOC	ONE3-70728-TOC	100 ppm	30.0	Class A Pipet	DI H2O	100 mL	30.0	4/13/2023	MB	3/28/2023
ONE3-70735-TOC	ONE3-70728-TOC	100 ppm	50.0	Class A Pipet	DI H2O	100 mL	50.0	4/13/2023	MB	3/28/2023
KHP STDS										
ONE3-70677-TOC	Acros Lot: A0383564	KHP	0.2307 g	B-39	DI H2O	100 mL	100 ppm	4/14/2023	MB	3/17/2023
ONE3-70678-TOC	ONE3-70677-TOC	100 ppm	50 mL	Class A Pipet	DI H2O	100 mL	25 ppm	4/14/2023	MB	3/17/2023
ONE3-70679-TOC	ONE3-70677-TOC	100 ppm	100 mL	Class A Pipet	DI H2O	100 mL	50 ppm	4/14/2023	MB	3/17/2023

*If Class A glass pipettes are used, enter an A.

(a) Diluent reagent reference number.

All strikeouts must be initiated, dated, and reason applied if not transcription error

Expiration date:

Form: GN199-02

Rev. Date: 3/17/2023

TOC-Control L Report

Chem36
d230201w1.toc.thxInstr. InformationInstrument Options
CatalystTOC/ASI/Spurge Kit/
Regular SensitivityCal. Curve

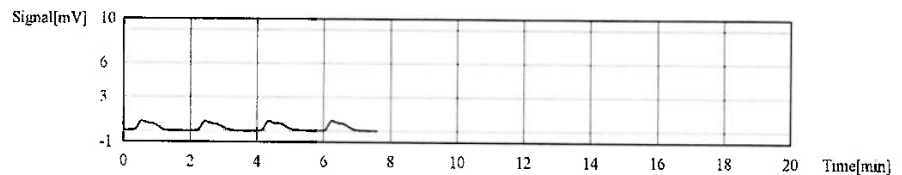
Sample Name: Untitled
Sample ID: Untitled
Cal. Curve: d230201w1.2023_02_01_11_45_27.cal
Status: Completed

Type	Anal.
Standard	NPOC

Conc: 0.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	2.806	100uL	1.000	*****		2/1/2023 11:50:08 AM
2	2.648	100uL	1.000	*****		2/1/2023 11:52:23 AM
3	2.915	100uL	1.000	*****		2/1/2023 11:54:38 AM
4	2.824	100uL	1.000	*****		2/1/2023 11:56:53 AM

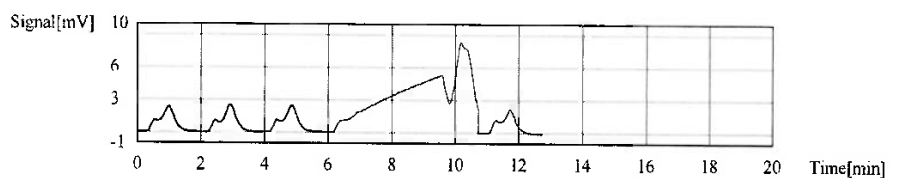
Acid Add. 0.000%
Sp. Time 600.0sec
Mean Area 2.798



Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	7.402	100uL	1.000	*****		2/1/2023 12:01:30 PM
2	7.958	100uL	1.000	*****		2/1/2023 12:03:47 PM
3	7.934	100uL	1.000	*****		2/1/2023 12:06:08 PM
4	57.64	100uL	1.000	T*****	E	2/1/2023 12:11:23 PM
5	7.582	100uL	1.000	*****		2/1/2023 12:14:09 PM

Acid Add. 0.000%
Sp. Time 600.0sec
Mean Area 7.719

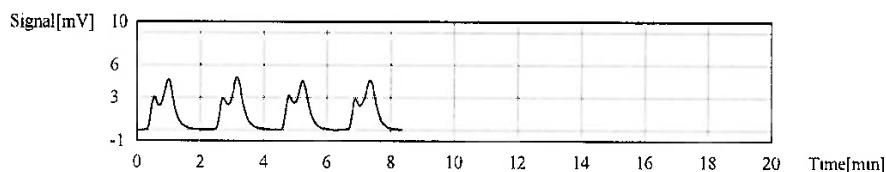


Conc: 2.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	16.98	100uL	1.000	*****		2/1/2023 12:18:47 PM
2	17.18	100uL	1.000	*****		2/1/2023 12:21:13 PM
3	17.02	100uL	1.000	*****		2/1/2023 12:23:41 PM
4	16.83	100uL	1.000	*****		2/1/2023 12:26:00 PM

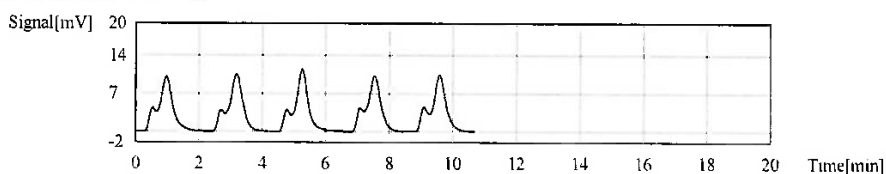
TOC-Control L Report

 Chem56
 d230201w1.toc.tlx

 Acid Add. 0.000%
 Sp. Time 600.0sec
 Mean Area 17.00


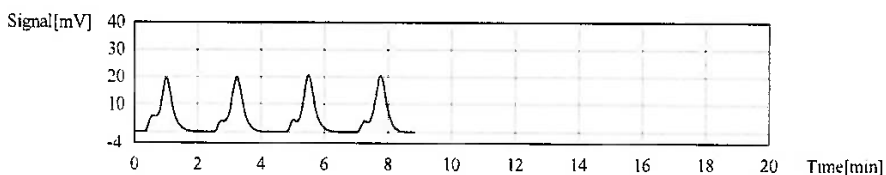
Conc: 5.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	32.71	100uL	1.000	*****	E	2/1/2023 12:30:53 PM
2	33.99	100uL	1.000	*****		2/1/2023 12:33:18 PM
3	34.26	100uL	1.000	*****		2/1/2023 12:35:58 PM
4	33.02	100uL	1.000	*****		2/1/2023 12:38:19 PM
5	33.81	100uL	1.000	*****		2/1/2023 12:40:48 PM

 Acid Add. 0.000%
 Sp. Time 600.0sec
 Mean Area 33.77


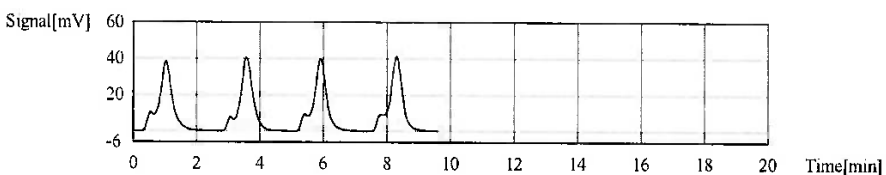
Conc: 10.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	58.33	100uL	1.000	*****		2/1/2023 12:45:28 PM
2	58.49	100uL	1.000	*****		2/1/2023 12:48:06 PM
3	58.80	100uL	1.000	*****		2/1/2023 12:50:42 PM
4	58.79	100uL	1.000	*****		2/1/2023 12:53:08 PM

 Acid Add. 0.000%
 Sp. Time 600.0sec
 Mean Area 58.60


Conc: 20.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	116.5	100uL	1.000	*****		2/1/2023 12:58:24 PM
2	117.3	100uL	1.000	*****		2/1/2023 1:01:04 PM
3	116.9	100uL	1.000	*****		2/1/2023 1:03:48 PM
4	117.7	100uL	1.000	*****		2/1/2023 1:06:32 PM

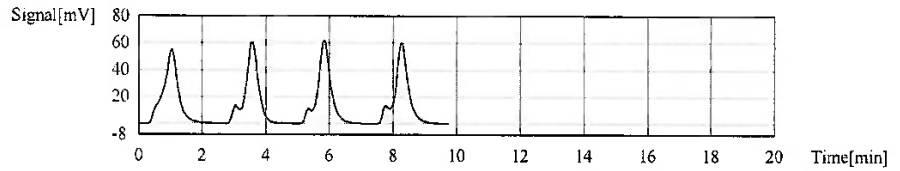
 Acid Add. 0.000%
 Sp. Time 600.0sec
 Mean Area 117.1


Conc: 30.00mg/L

TOC-Control L Report

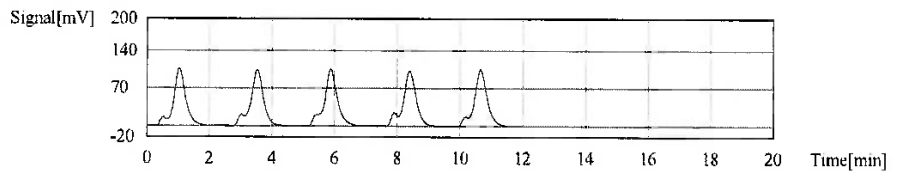
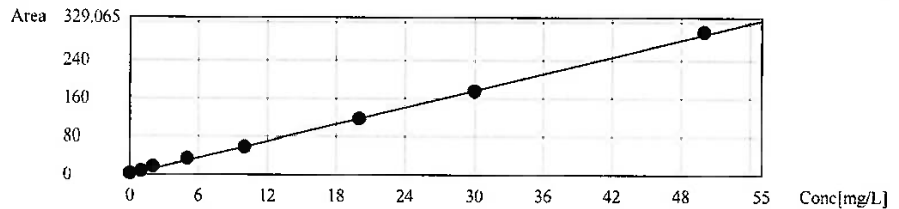
 Chem56
 d230201w1.toc.tlx

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	174.8	100uL	1.000	*****		2/1/2023 1:11:44 PM
2	174.5	100uL	1.000	*****		2/1/2023 1:14:24 PM
3	176.4	100uL	1.000	*****		2/1/2023 1:17:10 PM
4	176.3	100uL	1.000	*****		2/1/2023 1:20:00 PM

 Acid Add. 0.000%
 Sp. Time 600.0sec
 Mean Area 175.5


Conc: 50.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	292.2	100uL	1.000	*****	E	2/1/2023 1:25:12 PM
2	299.6	100uL	1.000	*****		2/1/2023 1:27:56 PM
3	301.2	100uL	1.000	*****		2/1/2023 1:30:48 PM
4	295.9	100uL	1.000	*****		2/1/2023 1:33:24 PM
5	299.9	100uL	1.000	*****		2/1/2023 1:36:10 PM

 Acid Add. 0.000%
 Sp. Time 600.0sec
 Mean Area 299.2

 Slope: 5.875
 Intercept 0.000
 r^2 0.9994
 r 0.9997
 Zero Shift Yes


TOC-Control L Report

Chem56
d230330wl.toc.tlx

Instr. Information

Instrument Options
CatalystTOC/ASI/Spurge Kit/
Regular Sensitivity

Sample

Sample Name: WASHCONF
Sample ID: TOCAQSW846.met
Origin: Completed
Status: Completed
Chk. Result:

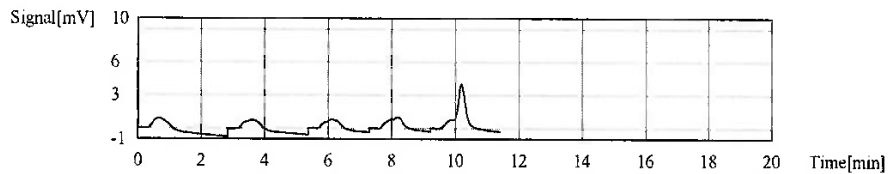
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 0.5131mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.179	0.3709mg/L	100uL	1.000		d230201wl 2023_02_01_11_45_27 cal	3/1/2023 9:28:51 AM
2	3.358	0.5715mg/L	100uL	1.000		d230201wl 2023_02_01_11_45_27 cal	3/1/2023 9:31:38 AM
3	2.918	0.4966mg/L	100uL	1.000		d230201wl 2023_02_01_11_45_27 cal	3/1/2023 9:33:55 AM
4	3.605	0.6136mg/L	100uL	1.000		d230201wl 2023_02_01_11_45_27 cal	3/1/2023 9:36:05 AM
5	8.560	1.457mg/L	100uL	1.000	E	d230201wl 2023_02_01_11_45_27 cal	3/1/2023 9:38:31 AM

Mean Conc. 0.5131mg/L
CV Conc 20.75%



Sample

Sample Name: CRI
Sample ID: TOCAQSW846.met
Origin: Completed
Status: Completed
Chk. Result:

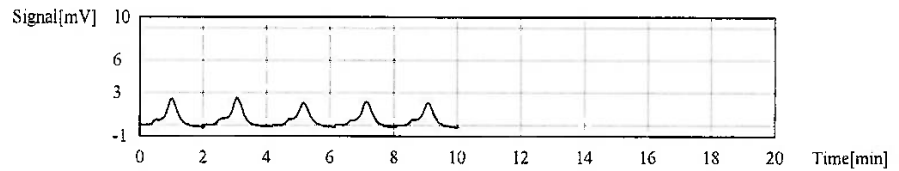
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 1.097mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.943	1.182mg/L	100uL	1.000		d230201wl 2023_02_01_11_45_27 cal	3/1/2023 9:44:02 AM
2	7.321	1.246mg/L	100uL	1.000	E	d230201wl 2023_02_01_11_45_27 cal	3/1/2023 9:46:26 AM
3	6.342	1.079mg/L	100uL	1.000		d230201wl 2023_02_01_11_45_27 cal	3/1/2023 9:48:39 AM
4	6.418	1.092mg/L	100uL	1.000		d230201wl 2023_02_01_11_45_27 cal	3/1/2023 9:50:52 AM
5	6.077	1.034mg/L	100uL	1.000		d230201wl 2023_02_01_11_45_27 cal	3/1/2023 9:53:04 AM

TOC-Control L Report

Chem56
d230330w1.toc.tlxMean Conc. 1.097mg/L
CV Conc 5.63%**Sample**

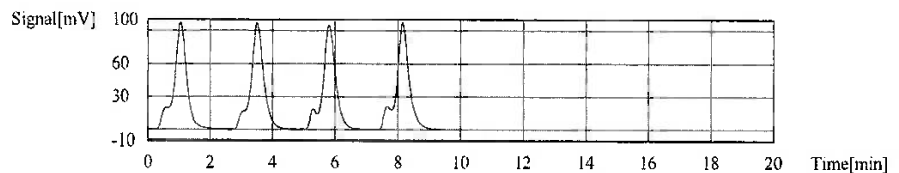
Sample Name: HSTD
Sample ID:
Origin: TOCAQSW846 met
Status: Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 47.05mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	277.7	47.26mg/L	100uL	1.000		d230201w1.2023_02_01_11_45_27.cal	3/1/2023 9:59:00 AM
2	278.4	47.38mg/L	100uL	1.000		d230201w1.2023_02_01_11_45_27.cal	3/1/2023 10:01:34 AM
3	271.5	46.21mg/L	100uL	1.000		d230201w1.2023_02_01_11_45_27.cal	3/1/2023 10:04:11 AM
4	278.2	47.35mg/L	100uL	1.000		d230201w1.2023_02_01_11_45_27.cal	3/1/2023 10:06:52 AM

Mean Conc. 47.05mg/L
CV Conc 1.20%**Sample**

Sample Name: ICV
Sample ID:
Origin: TOCAQSW846 met
Status: Completed
Chk. Result

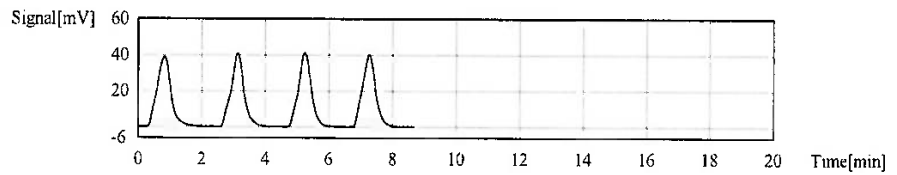
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 19.89mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	117.1	19.93mg/L	100uL	1.000		d230201w1.2023_02_01_11_45_27.cal	3/1/2023 10:30:58 AM
2	116.8	19.88mg/L	100uL	1.000		d230201w1.2023_02_01_11_45_27.cal	3/1/2023 10:33:18 AM
3	116.8	19.88mg/L	100uL	1.000		d230201w1.2023_02_01_11_45_27.cal	3/1/2023 10:35:32 AM
4	116.8	19.88mg/L	100uL	1.000		d230201w1.2023_02_01_11_45_27.cal	3/1/2023 10:37:54 AM

TOC-Control L Report

Chem56
d230330w1.toc.tlxMean Conc. 19.89mg/L
CV Conc 0.13%

Sample

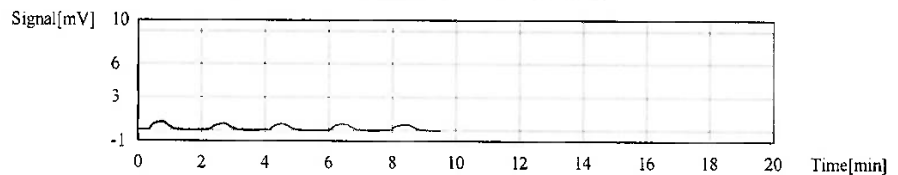
Sample Name: ICB
Sample ID:
Origin: TOCAQSW846.met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.3547mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.269	0.3862mg/L	100ul	1.000		d230201w1.2023_02_01_11_45_27.cal	3/1/2023 10:43:21 AM
2	1.999	0.3402mg/L	100ul	1.000		d230201w1.2023_02_01_11_45_27.cal	3/1/2023 10:45:26 AM
3	1.770	0.3013mg/L	100ul	1.000	E	d230201w1.2023_02_01_11_45_27.cal	3/1/2023 10:47:31 AM
4	2.034	0.3462mg/L	100ul	1.000		d230201w1.2023_02_01_11_45_27.cal	3/1/2023 10:49:36 AM
5	2.035	0.3464mg/L	100ul	1.000		d230201w1.2023_02_01_11_45_27.cal	3/1/2023 10:51:41 AM

Mean Conc. 0.3547mg/L
CV Conc 5.96%

Sample

Sample Name: CCV
Sample ID:
Origin: TOCAQSW846.met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:24.13mg/L

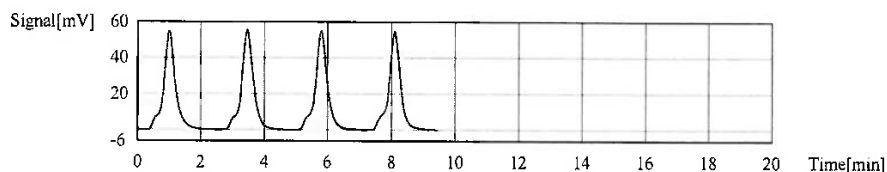
1. Det

Anal.: NPOC

TOC-Control L Report

Chem56
d230330wl.toc.tlx

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	140.6	23.93mg/L	100uL	1.000		d230201wl 2023_02_01_11_45_27 cal	3/30/2023 12:03:20 PM
2	143.3	24.39mg/L	100uL	1.000		d230201wl 2023_02_01_11_45_27 cal	3/30/2023 12:05:54 PM
3	143.4	24.41mg/L	100uL	1.000		d230201wl 2023_02_01_11_45_27 cal	3/30/2023 12:08:23 PM
4	139.7	23.78mg/L	100uL	1.000		d230201wl 2023_02_01_11_45_27 cal	3/30/2023 12:11:01 PM

Mean Conc. 24.13mg/L
CV Conc 1.33%

Sample

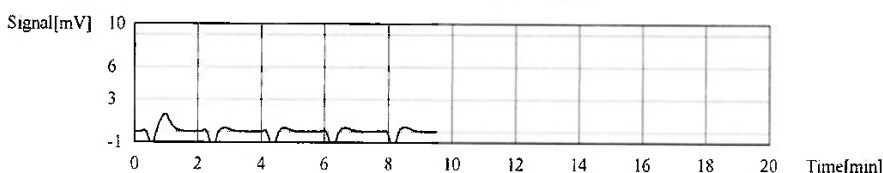
Sample Name: CCB
Sample ID:
Origin: TOCAQSW846.met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.8087mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.871	1.169mg/L	100uL	1.000		d230201wl 2023_02_01_11_45_27 cal	3/30/2023 12:16:39 PM
2	0.000	0.000mg/L	100uL	1.000	E	d230201wl 2023_02_01_11_45_27 cal	3/30/2023 12:18:44 PM
3	3.512	0.5977mg/L	100uL	1.000		d230201wl 2023_02_01_11_45_27 cal	3/30/2023 12:20:49 PM
4	4.075	0.6936mg/L	100uL	1.000		d230201wl 2023_02_01_11_45_27 cal	3/30/2023 12:22:54 PM
5	4.547	0.7739mg/L	100uL	1.000		d230201wl 2023_02_01_11_45_27 cal	3/30/2023 12:24:59 PM

Mean Conc. 0.8087mg/L
CV Conc 31.05%

Sample

Sample Name: SPARGERCHK
Sample ID:
Origin: TOCAQSW846.met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 0.6197mg/L

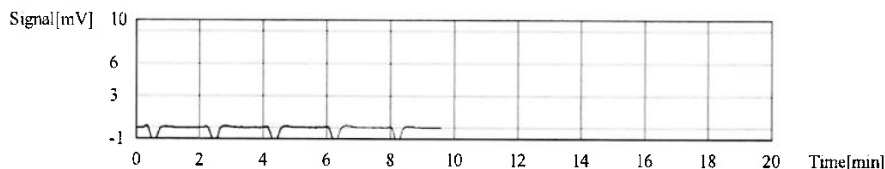
1. Det

TOC-Control L Report

Chem36
d230330w1.toc.tlx

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.000	0.000mg/L	100ul	1.000	E	d230201w1.2023_02_01_11_45_27.cal	3/30/2023 12:50:28 PM
2	3.310	0.5634mg/L	100ul	1.000		d230201w1.2023_02_01_11_45_27.cal	3/30/2023 12:52:33 PM
3	3.653	0.6217mg/L	100ul	1.000		d230201w1.2023_02_01_11_45_27.cal	3/30/2023 12:54:38 PM
4	4.972	0.8462mg/L	100ul	1.000		d230201w1.2023_02_01_11_45_27.cal	3/30/2023 12:56:48 PM
5	2.629	0.4475mg/L	100ul	1.000		d230201w1.2023_02_01_11_45_27.cal	3/30/2023 12:58:53 PM

Mean Conc. 0.6197mg/L
CV Conc 27.63%

Sample

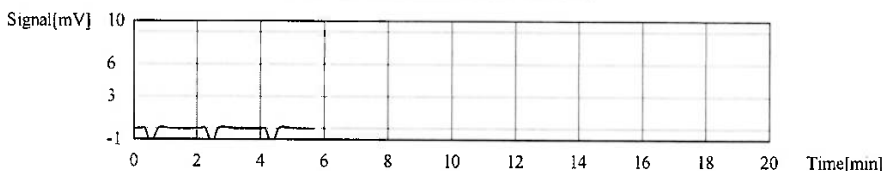
Sample Name: GP45861-MB1
Sample ID: [toc]
Origin: TOCAQ met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 0.4633mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.767	0.4709mg/L	100ul	1.000		d230201w1.2023_02_01_11_45_27.cal	3/30/2023 12:43:37 PM
2	3.067	0.5220mg/L	100ul	1.000	E	d230201w1.2023_02_01_11_45_27.cal	3/30/2023 12:45:46 PM
3	2.677	0.4556mg/L	100ul	1.000		d230201w1.2023_02_01_11_45_27.cal	3/30/2023 12:47:51 PM

Mean Conc. 0.4633mg/L
CV Conc 2.34%

Sample

Sample Name: GP45861-B1
Sample ID:
Origin: TOCAQ met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 0.211mg/L

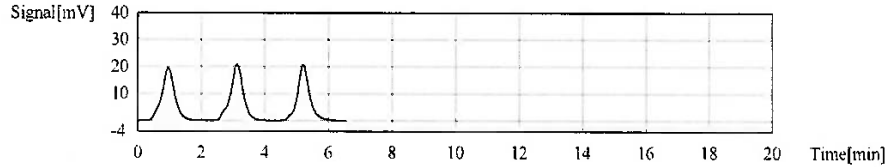
1. Det

TOC-Control L Report

Chem56
d230330w1.toc.tif

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	54.07	9.203mg/L	100ul	1.000		d230201w1 2023_02_01_11_45_27 cal	3/30/2023 12:55:02 PM
2	58.13	9.894mg/L	100ul	1.000	E	d230201w1 2023_02_01_11_45_27 cal	3/30/2023 12:57:18 PM
3	54.17	9.220mg/L	100ul	1.000		d230201w1 2023_02_01_11_45_27 cal	3/30/2023 12:59:49 PM

Mean Conc. 9.211mg/L
CV Conc 0.13%

Sample

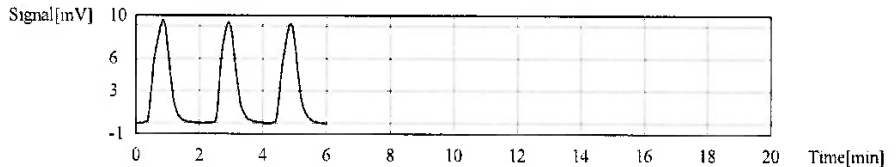
Sample Name: JD62808-1
Sample ID:
Origin: TOCAQ.met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 5.029mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	31.52	5.365mg/L	100ul	1.000	E	d230201w1 2023_02_01_11_45_27 cal	3/30/2023 2:02:00 PM
2	29.29	4.985mg/L	100ul	1.000		d230201w1 2023_02_01_11_45_27 cal	3/30/2023 2:04:05 PM
3	29.81	5.074mg/L	100ul	1.000		d230201w1 2023_02_01_11_45_27 cal	3/30/2023 2:06:13 PM

Mean Conc. 5.029mg/L
CV Conc 1.24%

Sample

Sample Name: GP45861-S1
Sample ID: JD62808-1
Origin: TOCAQ.met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 14.65mg/L

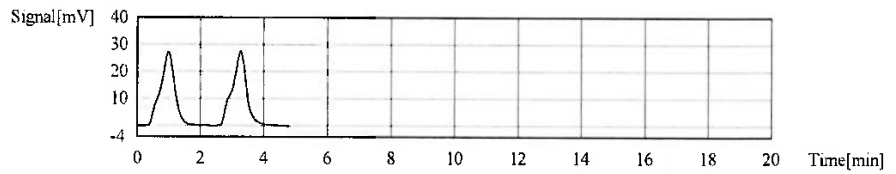
1. Det

Anal.: NPOC

TOC-Control L Report

Chem56
d230330w1.toc.tlx

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	84.92	14.45mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/30/2023 2:13:18 PM
2	87.28	14.85mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/30/2023 2:16:04 PM

Mean Conc. 14.65mg/L
CV Conc 1.94%

Sample

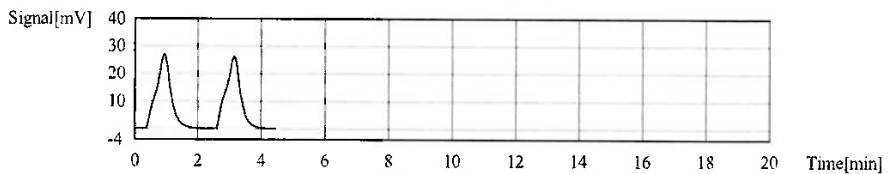
Sample Name: GP45861-MSD1
Sample ID: JD62808-1
Origin: TOCAQ met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 14.41mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	85.50	14.55mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/30/2023 2:24:24 PM
2	83.81	14.26mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/30/2023 2:26:52 PM

Mean Conc. 14.41mg/L
CV Conc 1.41%

Sample

Sample Name: JD62888-4
Sample ID: field blank
Origin: TOCAQ met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 0.3454mg/L

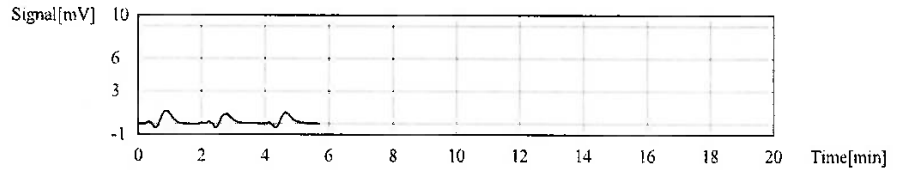
1. Det

Anal.: NPOC

TOC-Control L Report

Chem36
d230330w1 toc.tbx

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.345	0.3991mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27.cal	3/30/2023 2:55:14 PM
2	1.714	0.2917mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27.cal	3/30/2023 2:37:20 PM
3	3.441	0.5857mg/L	100uL	1.000	E	d230201w1 2023_02_01_11_45_27.cal	3/30/2023 2:39:24 PM

Mean Conc. 0.3454mg/L
CV Conc 21.98%

Sample

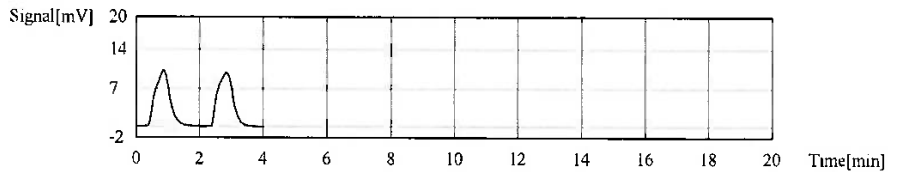
Sample Name: JD62808-2
Sample ID:
Origin: TOCAQ.met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 5.617mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	32.75	5.574mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27.cal	3/30/2023 2:46:30 PM
2	33.25	5.659mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27.cal	3/30/2023 2:48:41 PM

Mean Conc. 5.617mg/L
CV Conc 1.07%

Sample

Sample Name: JD62808-3
Sample ID:
Origin: TOCAQ.met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 5.159mg/L

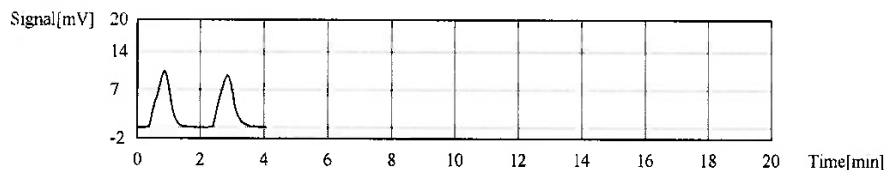
1. Det

Anal.: NPOC

TOC-Control L Report

Chem56
d230330w1.toc.tbx

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	31.21	5.312mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/30/2023 2:57:40 PM
2	29.41	5.006mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/30/2023 2:59:55 PM

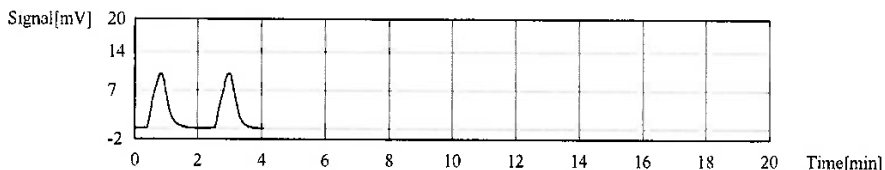
Mean Conc. 5.159mg/L
CV Conc 4.20%**Sample**Sample Name: JD62808-4
Sample ID:
Origin: TOCAQ met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 5.154mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	30.29	5.155mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/30/2023 3:08:57 PM
2	30.27	5.152mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/30/2023 3:11:03 PM

Mean Conc. 5.154mg/L
CV Conc 0.05%**Sample**Sample Name: CCVA
Sample ID:
Origin: TOCAQ met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 46.44mg/L

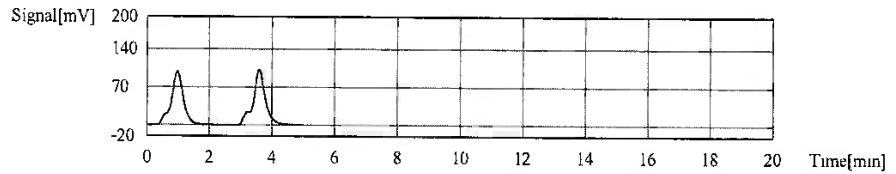
1. Det

Anal.: NPOC

TOC-Control L Report

Chem56
d230330w1.toc.tlx

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	267.8	45.58mg/L	100uL	1.000		d230201w1.2023_02_01_11_45_27.cal	3/30/2023 3:20:33 PM
2	277.9	47.30mg/L	100uL	1.000		d230201w1.2023_02_01_11_45_27.cal	3/30/2023 3:23:15 PM

Mean Conc. 46.44mg/L
CV Conc 2.62%

Sample

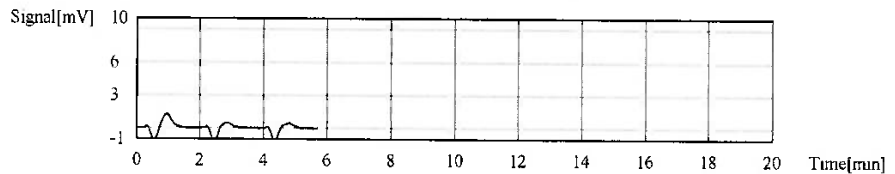
Sample Name: CCB
Sample ID:
Origin: TOCAQ met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 0.6588mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.459	0.2483mg/L	100uL	1.000	E	d230201w1.2023_02_01_11_45_27.cal	3/30/2023 3:31:02 PM
2	3.756	0.6393mg/L	100uL	1.000		d230201w1.2023_02_01_11_45_27.cal	3/30/2023 3:33:11 PM
3	3.986	0.6784mg/L	100uL	1.000		d230201w1.2023_02_01_11_45_27.cal	3/30/2023 3:35:16 PM

Mean Conc. 0.6588mg/L
CV Conc 4.20%

Sample

Sample Name: JD62808-5
Sample ID:
Origin: TOCAQ met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 4.828mg/L

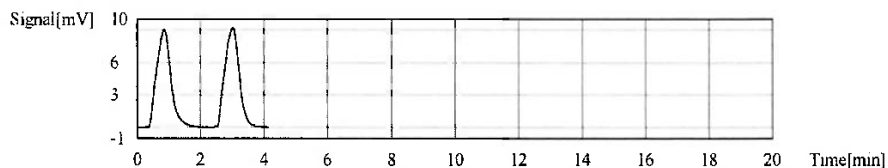
1. Det

Anal.: NPOC

TOC-Control L Report

Chem56
d230330w1.toc.tif

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	28.00	4.766mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/30/2023 3:42:26 PM
2	28.73	4.890mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/30/2023 3:44:33 PM

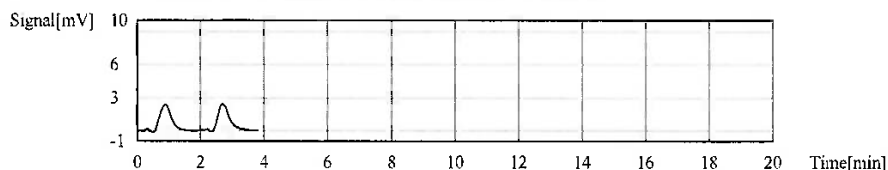
Mean Conc. 4.828mg/L
CV Conc 1.82%**Sample**Sample Name: JD62888-1
Sample ID:
Origin: TOCAQ.mst
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 1.012mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.984	1.018mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/30/2023 3:53:19 PM
2	5.912	1.006mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/30/2023 3:55:25 PM

Mean Conc. 1.012mg/L
CV Conc 0.86%**Sample**Sample Name: JD62888-2
Sample ID:
Origin: TOCAQ.mst
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 0.8136mg/L

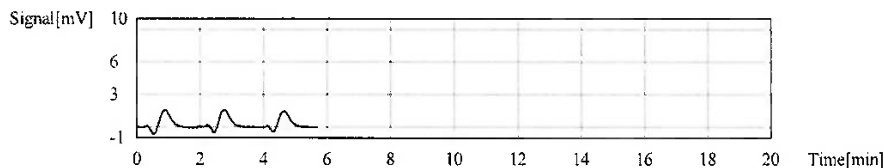
1. Det

Anal.: NPOC

TOC-Control L Report

Chem56
d230330w1.toc.tlx

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.167	0.8794mg/L	100uL	1.000		d230201w1.2023_02_01_11_45_27.cal	3/30/2023 4:04:29 PM
2	3.095	0.5268mg/L	100uL	1.000	E	d230201w1.2023_02_01_11_45_27.cal	3/30/2023 4:06:55 PM
3	4.394	0.7479mg/L	100uL	1.000		d230201w1.2023_02_01_11_45_27.cal	3/30/2023 4:08:39 PM

Mean Conc. 0.8136mg/L
CV Conc 11.43%

Sample

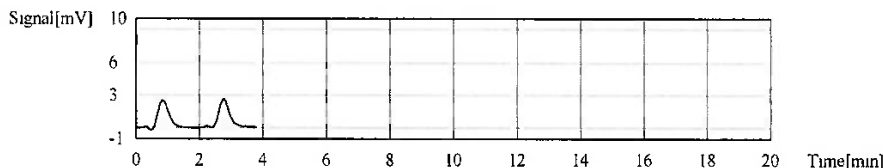
Sample Name: JD62888-3
Sample ID:
Origin: TOCAQ met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 1.073mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.437	1.096mg/L	100uL	1.000		d230201w1.2023_02_01_11_45_27.cal	3/30/2023 4:15:39 PM
2	6.168	1.050mg/L	100uL	1.000		d230201w1.2023_02_01_11_45_27.cal	3/30/2023 4:17:43 PM

Mean Conc. 1.073mg/L
CV Conc 3.02%

Sample

Sample Name: CCV
Sample ID:
Origin: TOCAQ met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 24.09mg/L

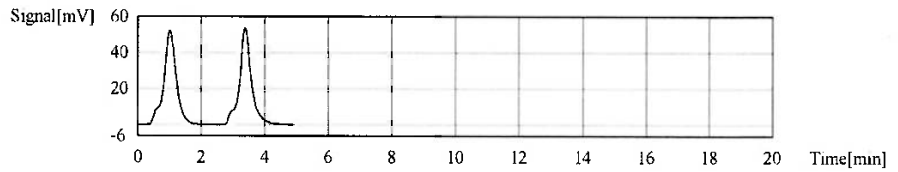
1. Det

Anal.: NPOC

TOC-Control L Report

Chem56
d230330w1.toc.tlx

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	141.8	24.13mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/30/2023 4:27:16 PM
2	141.3	24.05mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/30/2023 4:30:02 PM

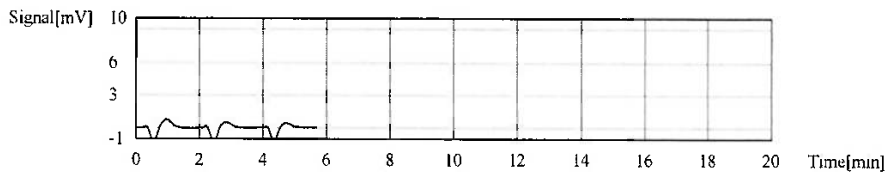
Mean Conc. 24.09mg/L
CV Conc 0.25%**Sample**Sample Name: CCB
Sample ID:
Origin: TOCAQ met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 0.6822mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.1383	0.02354mg/L	100uL	1.000	E	d230201w1 2023_02_01_11_45_27 cal	3/30/2023 4:37:59 PM
2	4.564	0.7427mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/30/2023 4:40:09 PM
3	3.653	0.6217mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/30/2023 4:42:14 PM

Mean Conc. 0.6822mg/L
CV Conc 12.54%**Sample**Sample Name: SPARGERCHK
Sample ID:
Origin: TOCAQ met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 0.3946mg/L

1. Det

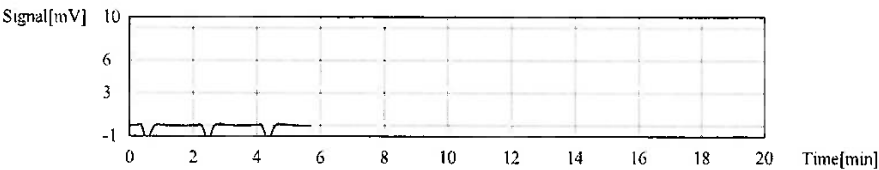
Anal.: NPOC

TOC-Control L Report

Chem56
d230330w1.toc.tlx

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.000	0.000mg/L	100uL	1.000	E	d230201w1 2023_02_01_11_45_27 cal	3/30/2023 4:49:07 PM
2	2.194	0.3734mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/30/2023 4:51:14 PM
3	2.443	0.4158mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/30/2023 4:53:20 PM

Mean Conc. 0.3946mg/L
CV Conc 7.59%



6.3
6

LABORATORY REVIEW SIGNATURE FORM
(To be stored with the raw data)File ID: D23033001.TXT
Analyst: SSDate Analyzed: 03/20/23
Run ID: GN39825

Methods: EPA 300/SW846 9056A

The following analyst(s) have reviewed this run and attest that, to the best of their knowledge, this documentation is complete and correct:

Analyst: JD Date 4/3/23

Analyst: _____ Date _____

Analyst: _____ Date _____

Analyst: _____ Date _____

Analyst: _____ Date _____

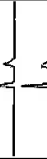
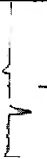
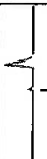
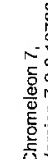
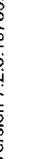
Analyst: _____ Date _____

Analyst: _____ Date _____

The following supervisor or their designee has reviewed this run and attests that, to the best of their knowledge, this documentation is complete and correct:

Supervisor (or designee): [Signature] Date 4/3/23

Sequence: D23033001
Last Update Operator: Chemistry

CD	Name	Type	Position	Dilution	Comment	Level	Volume	Status	Inject Time	Instrument Method
	STDA 3	Calibration Standard	47	1.0000		1	5000	Finished	3/20/2023 1:03:12 PM -04:00	Anions_012919
	STDC	Calibration Standard	48	1.0000		3	5000	Finished	3/20/2023 1:16:13 PM -04:00	Anions_012919
	STDD	Calibration Standard	49	1.0000		4	5000	Finished	3/20/2023 1:29:14 PM -04:00	Anions_012919
	STDE	Calibration Standard	50	1.0000		5	5000	Finished	3/20/2023 1:42:15 PM -04:00	Anions_012919
	STDF	Calibration Standard	1	1.0000		6	5000	Finished	3/20/2023 1:55:16 PM -04:00	Anions_012919
	STDG	Calibration Standard	2	1.0000		7	5000	Finished	3/20/2023 2:08:17 PM -04:00	Anions_012919
	ICV	Unknown	3	1.0000			5000	Finished	3/20/2023 2:21:19 PM -04:00	Anions_012919
	WASHCONF	Unknown	1	1.0000			5000	Finished	3/30/2023 2:36:40 PM -04:00	Anions_012919
	WASHCONF	Unknown	2	1.0000			5000	Finished	3/30/2023 2:49:10 PM -04:00	Anions_012919
	WASHCONF	Unknown	3	1.0000			5000	Finished	3/30/2023 3:02:12 PM -04:00	Anions_012919
	CCV	Unknown	4	1.0000			5000	Finished	3/30/2023 3:15:13 PM -04:00	Anions_012919
	CCB	Unknown	5	1.0000			5000	Finished	3/30/2023 3:28:14 PM -04:00	Anions_012919
	MB1CONF	Unknown	6	1.0000			5000	Finished	3/30/2023 3:41:16 PM -04:00	Anions_012919
	B1CONF	Unknown	7	1.0000			5000	Finished	3/30/2023 3:54:16 PM -04:00	Anions_012919
	GP45876-S1	Unknown	8	15.0000			5000	Finished	3/30/2023 4:07:18 PM -04:00	Anions_012919
	GP45876-D1	Unknown	9	15.0000			5000	Finished	3/30/2023 4:20:19 PM -04:00	Anions_012919
	JD62756-1	Unknown	10	15.0000			5000	Finished	3/30/2023 4:33:21 PM -04:00	Anions_012919
	JD62756-2	Unknown	11	5.0000			5000	Finished	3/30/2023 4:46:22 PM -04:00	Anions_012919
	JD62575-2	Unknown	12	3.0000			5000	Finished	3/30/2023 4:59:23 PM -04:00	Anions_012919
	JD62575-5	Unknown	13	10.0000			5000	Finished	3/30/2023 5:12:25 PM -04:00	Anions_012919
	JD62575-7	Unknown	14	16.0000			5000	Finished	3/30/2023 5:25:26 PM -04:00	Anions_012919
	JD62800-5	Unknown	15	30.0000			5000	Finished	3/30/2023 5:38:28 PM -04:00	Anions_012919
	CCV	Unknown	16	1.0000			5000	Finished	3/30/2023 5:51:29 PM -04:00	Anions_012919
	CCB	Unknown	17	1.0000			5000	Finished	3/30/2023 6:04:30 PM -04:00	Anions_012919
	JD62800-6	Unknown	18	34.0000			5000	Finished	3/30/2023 6:17:31 PM -04:00	Anions_012919
	JD62800-7	Unknown	19	20.0000			5000	Finished	3/30/2023 6:31:35 PM -04:00	Anions_012919
	JD62800-11	Unknown	20	3.0000			5000	Finished	3/30/2023 6:44:00 PM -04:00	Anions_012919

Chromeleon 7
Version 7.2.8.10783, Thermo Fisher Scientific

Sequence: D23033001
Last Update Operator: Chemistry

CD	Name	Type	Position	Dilution	Comment	Level	Volume	Status	Inject Time	Instrument Method
	JD62738-10	Unknown	21	5.0000			5000	Finished	3/30/2023 6:57:01 PM -04:00	Anions_012919
	JD62738-12	Unknown	22	3.0000			5000	Finished	3/30/2023 7:10:01 PM -04:00	Anions_012919
	JD62738-14	Unknown	23	7.0000			5000	Finished	3/30/2023 7:23:02 PM -04:00	Anions_012919
	JD62800-3	Unknown	24	14.0000			5000	Finished	3/30/2023 7:36:04 PM -04:00	Anions_012919
	GP45907-MB1	Unknown	25	1.0000			5000	Finished	3/30/2023 7:49:05 PM -04:00	Anions_012919
	GP45907-B1	Unknown	26	1.0000			5000	Finished	3/30/2023 8:02:06 PM -04:00	Anions_012919
	GP45907-S1	Unknown	27	1.0000			5000	Finished	3/30/2023 8:15:06 PM -04:00	Anions_012919
	CCV	Unknown	28	1.0000			5000	Finished	3/30/2023 8:28:07 PM -04:00	Anions_012919
	CCB	Unknown	29	1.0000			5000	Finished	3/30/2023 8:41:08 PM -04:00	Anions_012919
	GP45907-D1	Unknown	30	1.0000			5000	Finished	3/30/2023 8:54:10 PM -04:00	Anions_012919
	JD62888-3	Unknown	31	1.0000			5000	Finished	3/30/2023 9:07:11 PM -04:00	Anions_012919
	JD62808-1	Unknown	32	1.0000			5000	Finished	3/30/2023 9:20:11 PM -04:00	Anions_012919
	JD62808-2	Unknown	33	1.0000			5000	Finished	3/30/2023 9:33:10 PM -04:00	Anions_012919
	JD62826-6	Unknown	34	1.0000			5000	Finished	3/30/2023 9:46:11 PM -04:00	Anions_012919
	JD62899-10	Unknown	35	1.0000			5000	Finished	3/30/2023 9:59:12 PM -04:00	Anions_012919
	JD62899-11	Unknown	36	1.0000			5000	Finished	3/30/2023 10:12:12 PM -04:00	Anions_012919
	JD62888-1	Unknown	37	1.0000			5000	Finished	3/30/2023 10:25:14 PM -04:00	Anions_012919
	JD62888-2	Unknown	38	1.0000			5000	Finished	3/30/2023 10:39:14 PM -04:00	Anions_012919
	JD62426-2	Unknown	39	1.0000			5000	Finished	3/30/2023 10:51:38 PM -04:00	Anions_012919
	CCV	Unknown	40	1.0000			5000	Finished	3/30/2023 11:04:39 PM -04:00	Anions_012919
	CCB	Unknown	41	1.0000			5000	Finished	3/30/2023 11:17:40 PM -04:00	Anions_012919
	JD62888-4	Unknown	42	1.0000			5000	Finished	3/30/2023 11:30:41 PM -04:00	Anions_012919
	JD62426-3	Unknown	43	1.0000			5000	Finished	3/30/2023 11:43:42 PM -04:00	Anions_012919
	JD62426-4	Unknown	44	1.0000			5000	Finished	3/31/2023 1:46:51 PM -04:00	Anions_012919
	JD62426-5	Unknown	45	1.0000			5000	Finished	3/31/2023 1:59:39 PM -04:00	Anions_012919
	JD62426-6	Unknown	46	1.0000			5000	Finished	3/31/2023 2:12:39 PM -04:00	Anions_012919
	JD62426-7	Unknown	47	1.0000			5000	Finished	3/31/2023 2:25:39 PM -04:00	Anions_012919
	JD62426-8	Unknown	48	1.0000			5000	Finished	3/31/2023 2:38:41 PM -04:00	Anions_012919

Chromeleon 7
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Printed by Chemistry
03/04/23 10:06

Sequence: D23033001
Last Update Operator: Chemistry

CD	Name	Type	Position	Dilution	Comment	Level	Volume	Status	Inject Time	Instrument Method
	JD62426-9	Unknown	49	1.0000			5000	Finished	3/31/2023 2:51:40 PM -04:00	Anions_012919
	JD62426-10	Unknown	50	1.0000			5000	Finished	3/31/2023 3:04:39 PM -04:00	Anions_012919
	JD62426-11	Unknown	1	1.0000			5000	Finished	3/31/2023 3:17:39 PM -04:00	Anions_012919
	CCV	Unknown	2	1.0000			5000	Finished	3/31/2023 3:30:40 PM -04:00	Anions_012919
	CCB	Unknown	3	1.0000			5000	Finished	3/31/2023 3:43:40 PM -04:00	Anions_012919
	JD62426-12	Unknown	4	1.0000			5000	Finished	3/31/2023 3:56:41 PM -04:00	Anions_012919
	GP45909-MB1	Unknown	5	1.0000			5000	Finished	3/31/2023 4:09:42 PM -04:00	Anions_012919
	GP45909-B1	Unknown	6	1.0000			5000	Finished	3/31/2023 4:22:43 PM -04:00	Anions_012919
	GP45909-S1	Unknown	7	1.0000			5000	Finished	3/31/2023 4:35:45 PM -04:00	Anions_012919
	GP45909-D1	Unknown	8	1.0000			5000	Finished	3/31/2023 4:48:46 PM -04:00	Anions_012919
	JD62596-14	Unknown	9	1.0000			5000	Finished	3/31/2023 5:01:46 PM -04:00	Anions_012919
	JD62596-4	Unknown	10	1.0000			5000	Finished	3/31/2023 5:14:47 PM -04:00	Anions_012919
	JD62596-5	Unknown	11	1.0000			5000	Finished	3/31/2023 5:27:47 PM -04:00	Anions_012919
	JD62596-6	Unknown	12	1.0000			5000	Finished	3/31/2023 5:40:48 PM -04:00	Anions_012919
	JD62596-7	Unknown	13	1.0000			5000	Finished	3/31/2023 5:53:49 PM -04:00	Anions_012919
	CCV	Unknown	14	1.0000			5000	Finished	3/31/2023 6:06:49 PM -04:00	Anions_012919
	CCB	Unknown	15	1.0000			5000	Finished	3/31/2023 6:19:51 PM -04:00	Anions_012919
	JD62596-8	Unknown	16	1.0000			5000	Finished	3/31/2023 6:32:51 PM -04:00	Anions_012919
	JD62596-11	Unknown	17	1.0000			5000	Finished	3/31/2023 6:45:53 PM -04:00	Anions_012919
	JD62596-12	Unknown	18	1.0000			5000	Finished	3/31/2023 6:58:54 PM -04:00	Anions_012919
	JD62596-13	Unknown	19	1.0000			5000	Finished	3/31/2023 7:11:56 PM -04:00	Anions_012919
	JD62757-2	Unknown	20	1.0000			5000	Finished	3/31/2023 7:24:56 PM -04:00	Anions_012919
	JD62757-3	Unknown	21	1.0000			5000	Finished	3/31/2023 7:37:58 PM -04:00	Anions_012919
	JD62757-4	Unknown	22	1.0000			5000	Finished	3/31/2023 7:50:59 PM -04:00	Anions_012919
	JD62757-5	Unknown	23	1.0000			5000	Finished	3/31/2023 8:04:00 PM -04:00	Anions_012919
	JD62757-6	Unknown	24	1.0000			5000	Finished	3/31/2023 8:17:01 PM -04:00	Anions_012919
	JD62757-7	Unknown	25	1.0000			5000	Finished	3/31/2023 8:30:03 PM -04:00	Anions_012919
	CCV	Unknown	26	1.0000			5000	Finished	3/31/2023 8:43:05 PM -04:00	Anions_012919

Chromleon 7
Version 7.2.8.10783, Thermo Fisher Scientific

Printed by Chemistry
03/04/23 10:06

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Sequence: D23033001
Last Update Operator: Chemistry

CD	Name	Type	Position	Dilution	Comment	Level	Volume	Status	Infect Time	Instrument Method
	CCB JD62757-8	Unknown	27	1.0000			5000	Finished	3/31/2023 8:56:06 PM -04:00	Anions_012919
	CCB JD62757-9	Unknown	28	1.0000			5000	Finished	3/31/2023 9:09:08 PM -04:00	Anions_012919
	CCB JD62757-10	Unknown	29	1.0000			5000	Finished	3/31/2023 9:22:10 PM -04:00	Anions_012919
	CCB JD62757-11	Unknown	30	1.0000			5000	Finished	3/31/2023 9:35:11 PM -04:00	Anions_012919
	CCB JD62757-12	Unknown	31	1.0000			5000	Finished	3/31/2023 9:48:13 PM -04:00	Anions_012919
	CCV JD62575-7	Unknown	32	1.0000			5000	Finished	3/31/2023 10:01:15 PM -04:00	Anions_012919
	CCV	Unknown	33	32.0000			5000	Finished	3/31/2023 10:14:16 PM -04:00	Anions_012919
	CCB	Unknown	34	1.0000			5000	Finished	3/31/2023 10:27:17 PM -04:00	Anions_012919
	CCB	Unknown	35	1.0000			5000	Finished	3/31/2023 10:40:18 PM -04:00	Anions_012919

Chromeleon 7,
Version 7.2.8.10783, Thermo Fisher Scientific

Reagent Information Log - IONC IC^D - Water /SoilGN Batch ID#: GN39825

<u>Reagent</u>	<u>Reagent # or Man./Lot</u>	<u>Exp. Date</u>
Standard Stocks (for Calibration Curve) (4000 PPM CHL/SO ₄)	SCP S220726024	9/30/2023
Standard Stocks (for Calibration Curve) (100 PPM BRO)	SCP S220726023	9/30/2023
Standard Stocks (for Calibration Curve) (100 PPM F)	SCP S220726025	9/30/2023
ICV MIX I (200 PPM CHL/SO ₄)	SCP S220726030	9/30/2023
ICV MIX II (100 PPM F/BRO)	SCP S221213009	12/31/2023
ICV	GNE3-73533-IC	4/1/2023
Eluent	220950716314	9/30/2024
CCV	GNE3-73534-IC	4/1/2023
Spiking Solution	SCP S220726027	9/30/2023
Filter lot numbers	TISCH 290064158	NA

Form : GN087A-76
Rev. Date: 4/7/09



Anions Standard Preparation Log

Class A pipet used :
Autopipet used : 53

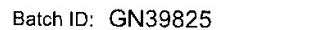
Date 3/30/23
GN Number GN39825

Intermediate Standard Description	Stock Standard used for preparation	Stock concentration	Anion	Stock volume or weight used with units	Diluent	Final Volume	Final Conc. of Intermediate (mg/l)	Expiration Date	Analyst	Date
GNE3-73526-IC	SPEC S220726024	400ppm	CHL/SO4	2.5 ml	DI	100 mL	100ppm	4/1/2023	SS	3/1/2023
GNE3-73525-IC	SPEC S220726025	100ppm	F	20ml	DI	100 mL	20ppm	4/1/2023	SS	3/1/2023
GNE3-73527-IC	SPEC S220726023	100ppm	BRO	20ml	DI	100 mL	20ppm	4/1/2023	SS	3/1/2023
ICV	SPEC S220726030	200 ppm	CHL/SO4	50 ml	DI	100 mL	100 ppm	4/1/2023	SS	3/1/2023
GNE3-73533-IC	SPEC S221213009	100 ppm	F/BRO	3 ml	DI	100 mL	3 ppm	4/1/2023	SS	3/1/2023
Standard Description	Intermediate or Stock used to prepare standard	Intermediate or Stock concentration	Anion	Intermediate or Stock volume used in ml	Diluent	Final Volume	Final Conc. of Standard (mg/l)	Expiration Date	Analyst	Date
STD C	GNE3-73526-IC	100ppm	CHL/SO4	2.0ml	DI	100 mL	2ppm	4/1/2023	SS	3/1/2023
GNE3-73528-IC	SPEC S220726023	100ppm	BRO	0.5ml	DI	100 mL	0.5ppm	4/1/2023	SS	3/1/2023
	GNE3-73525-IC	20ppm	F	1.0ml	DI	100 mL	0.2ppm	4/1/2023	SS	3/1/2023
STD D	GNE3-73526-IC	100ppm	CHL/SO4	10ml	DI	100 mL	10ppm	4/1/2023	SS	3/1/2023
GNE3-73529-IC	SPEC S220726023	100ppm	BRO	1ml	DI	100 mL	1ppm	4/1/2023	SS	3/1/2023
	GNE3-73525-IC	20ppm	F	2ml	DI	100 mL	0.4ppm	4/1/2023	SS	3/1/2023
STD E	GNE3-73526-IC	100ppm	CHL/SO4	50ml	DI	100 mL	50ppm	4/1/2023	SS	3/1/2023
GNE3-73530-IC	SPEC S220726023	100ppm	BRO	2ml	DI	100 mL	2ppm	4/1/2023	SS	3/1/2023
	GNE3-73525-IC	20ppm	F	5ml	DI	100 mL	1ppm	4/1/2023	SS	3/1/2023
STD F	SPEC S220726024	400ppm	CHL/SO4	10ml	DI	200 mL	200ppm	4/1/2023	SS	3/1/2023
GNE3-73531-IC	SPEC S220726023	100ppm	BRO	6ml	DI	200 mL	3ppm	4/1/2023	SS	3/1/2023
	GNE3-73525-IC	20ppm	F	30ml	DI	200 mL	3ppm	4/1/2023	SS	3/1/2023
STD G	SPEC S220726024	400ppm	CHL/SO4	10ml	DI	100 mL	400ppm	4/1/2023	SS	3/1/2023
GNE3-73532-IC	SPEC S220726023	100ppm	BRO	5ml	DI	100 mL	5ppm	4/1/2023	SS	3/1/2023
	GNE3-73525-IC	20ppm	F	30ml	DI	100 mL	6ppm	4/1/2023	SS	3/1/2023
CCV	SPEC S220726024	400ppm	CHL/SO4	10ml	DI	200 mL	200ppm	4/1/2023	SS	3/1/2023
GNE3-73534-IC	SPEC S220726023	100ppm	BRO	6ml	DI	200 mL	3ppm	4/1/2023	SS	3/1/2023
	GNE3-73525-IC	20ppm	F	30ml	DI	200 mL	3ppm	4/1/2023	SS	3/1/2023

* If Class A glass pipets are used, enter an A. For balances or autopipets, then enter the appropriate SGS ID number.
NO2/NO3/P4 included in curve but not reported

Form: GN318-01

Rev Date: 6/23/2020



Analyst JD Product Ammon Autopipette # 43Date 3/20/23 Batch ID _____ Class A Vol. Flask _____

Sample Dilution Prep Log

Sample ID	Dilution	Initial Volume	Final Volume	Comments
GP45876-S1	1:15	1	15	DI #20
GP45876-D1	↓	↓	↓	
JD62756-1	↓	↓	↓	
└ -2	1:5	5	25	
JD 6275-2	1:3	5	15	
└ -5	1:10	1	10	
└ -7	1:16	1	16	
JD62800-5	1:30	1	30	
9				
JD62800 -6	1:34	1	34	
└ -7	1:20	1	20	
└ -11	1:3	5	15	
JD62738-10	1:5	↓	25	
-12	1:3	↓	15	
-14	1:7	↓	35	
JD62800-3	1:14	1	14	

QC Reviewer: _____

Date: _____

Form: GN165-01
Rev. Date: 2/25/03

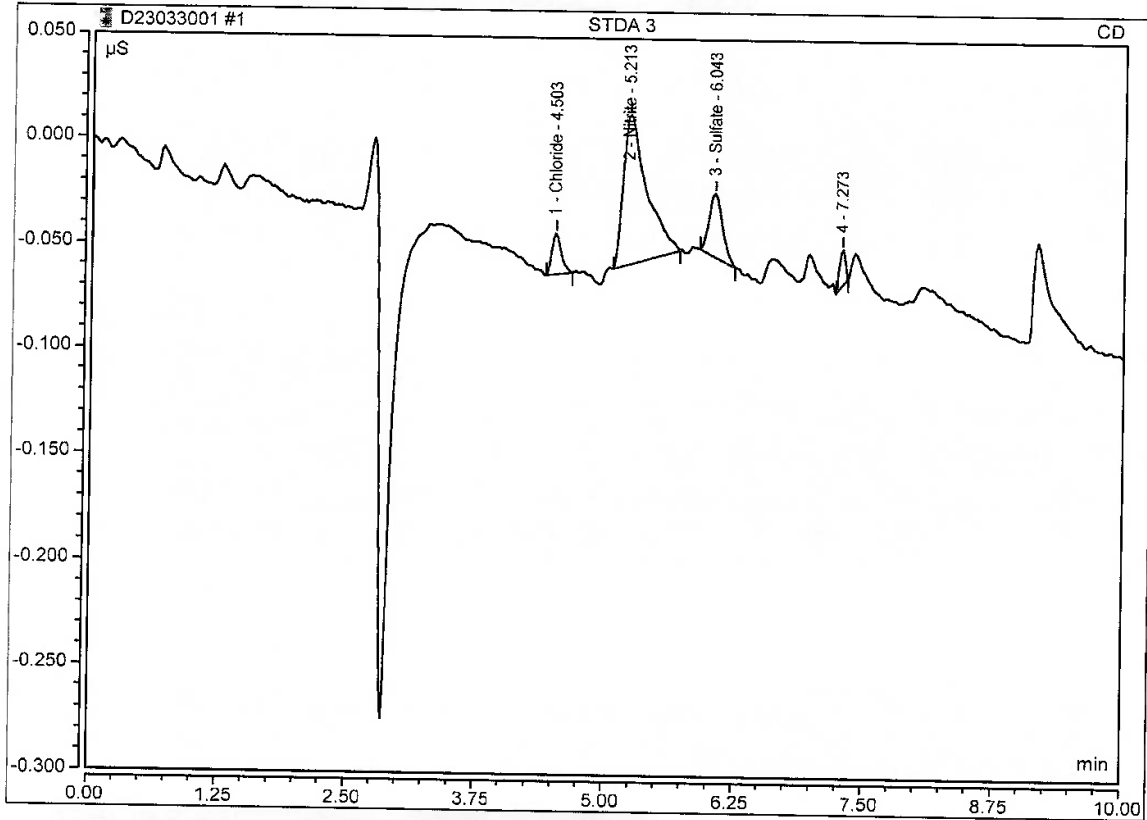
Logged on User: Chemistry
Instrument: Integration_1
Sequence: D23033001

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4/3/2023 10:39 AM

Peak Integration Report

Sample Name:	STDA 3	Inj. Vol.:	5000.00
Injection Type:	Calibration Standard	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	20-Mar-2023 / 13:03	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	4.50	Chloride	BMB	0.002	0.020	0.2462
2	5.21	Nitrite	BMB	0.019	0.072	0.0374
3	6.04	Sulfate	BMB	0.005	0.030	0.1273
TOTAL:				0.03	0.12	0.41



Anion/Integration

Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

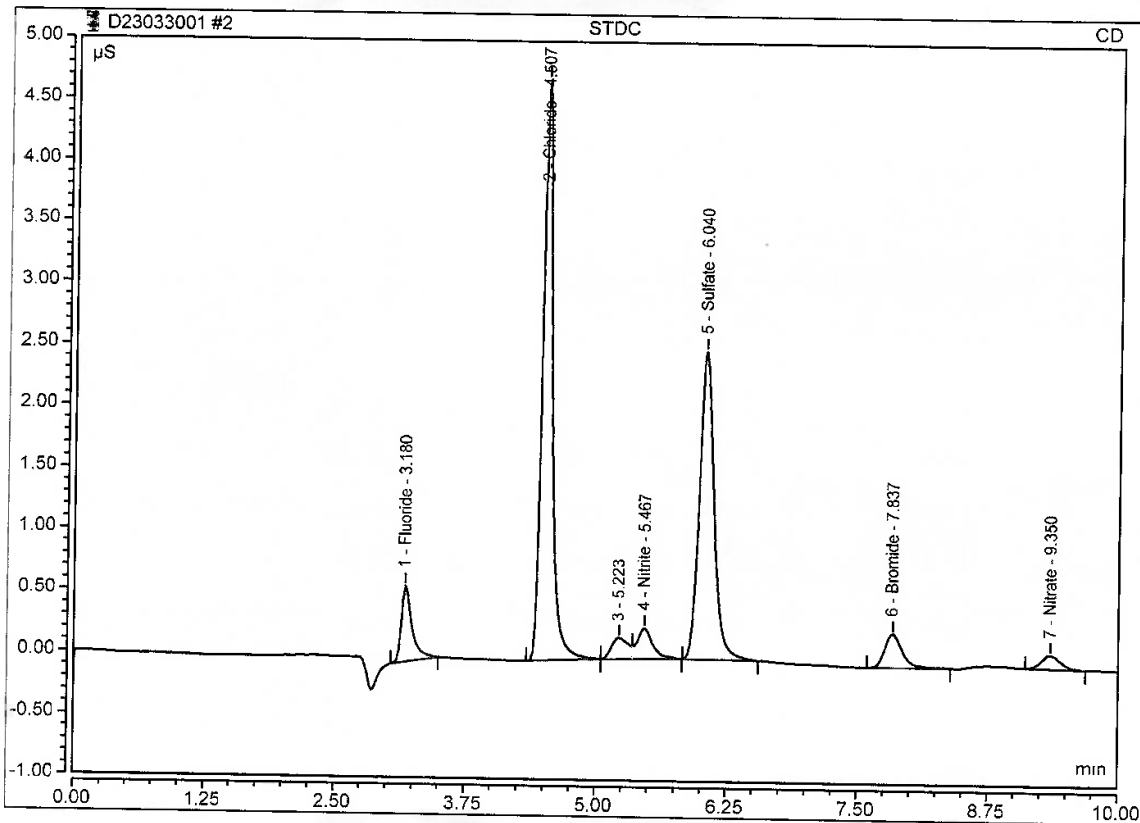
Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D23033001

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4/3/2023 10:39 AM

Peak Integration Report

Sample Name:	STDC	Inj. Vol.:	5000.00
Injection Type:	Calibration Standard	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	20-Mar-2023 / 13:16	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount
1	3.18	Fluoride	BMB	0.072	0.614	0.2117
2	4.51	Chloride	BMB	0.531	4.724	1.9116
4	5.47	Nitrite	MB	0.043	0.249	0.2009
5	6.04	Sulfate	BMB	0.407	2.497	1.9051
6	7.84	Bromide	BMB	0.054	0.273	0.5404
7	9.35	Nitrate	BMB	0.023	0.110	0.1311
TOTAL:				1.13	8.47	4.90



Anion/Integration

Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

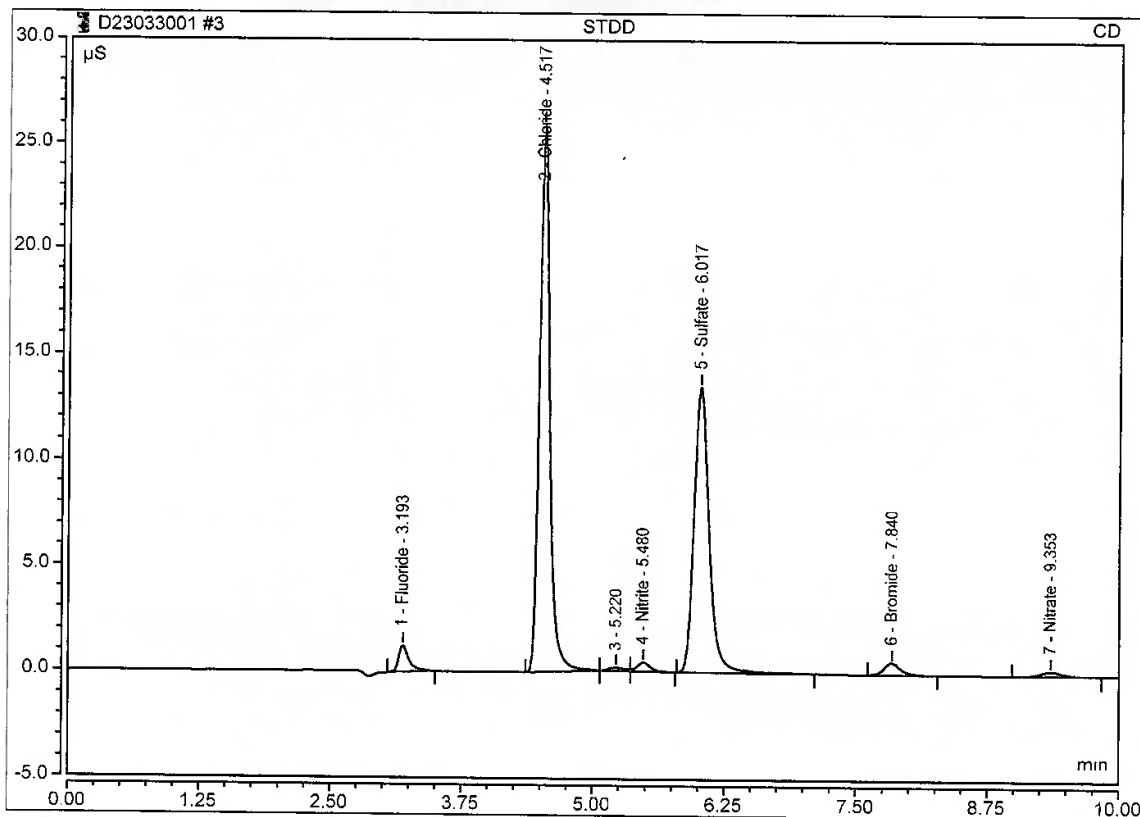
Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D23033001

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4/3/2023 10:39 AM

Peak Integration Report

Sample Name:	STDD	Inj. Vol.:	5000.00
Injection Type:	Calibration Standard	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	20-Mar-2023 / 13:29	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	3.19	Fluoride	BMB	0.142	1.247	0.3807
2	4.52	Chloride	BMB	2.952	25.959	9.5331
4	5.48	Nitrite	MB	0.063	0.436	0.3441
5	6.02	Sulfate	BMB	2.229	13.488	9.9420
6	7.84	Bromide	BMB	0.102	0.561	0.9520
7	9.35	Nitrate	BMB	0.053	0.222	0.3856
TOTAL:				5.54	41.91	21.54



Anion/Integration

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Version 7.2.8.10783

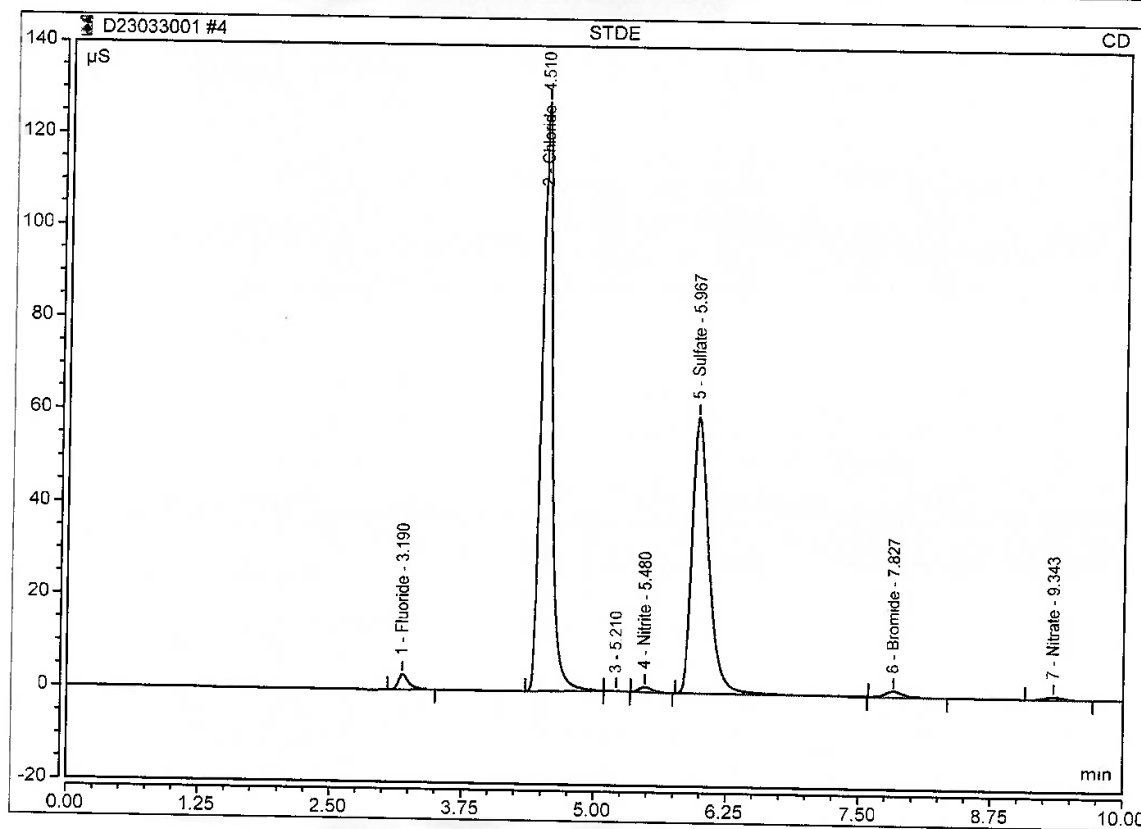
Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D23033001

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Peak Integration Report

Sample Name:	STDE	Inj. Vol.:	5000.00
Injection Type:	Calibration Standard	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	20-Mar-2023 / 13:42	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount
1	3.19	Fluoride	BMB	0.367	3.280	0.9240
2	4.51	Chloride	BMB	15.177	127.825	48.0197
4	5.48	Nitrite	BMB	0.137	1.065	0.8460
5	5.97	Sulfate	BMB	11.089	59.673	49.0404
6	7.83	Bromide	BMB	0.215	1.178	1.9155
7	9.34	Nitrate	BMB	0.113	0.522	0.8930
TOTAL:				27.10	193.54	101.64



Anion/Integration

Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

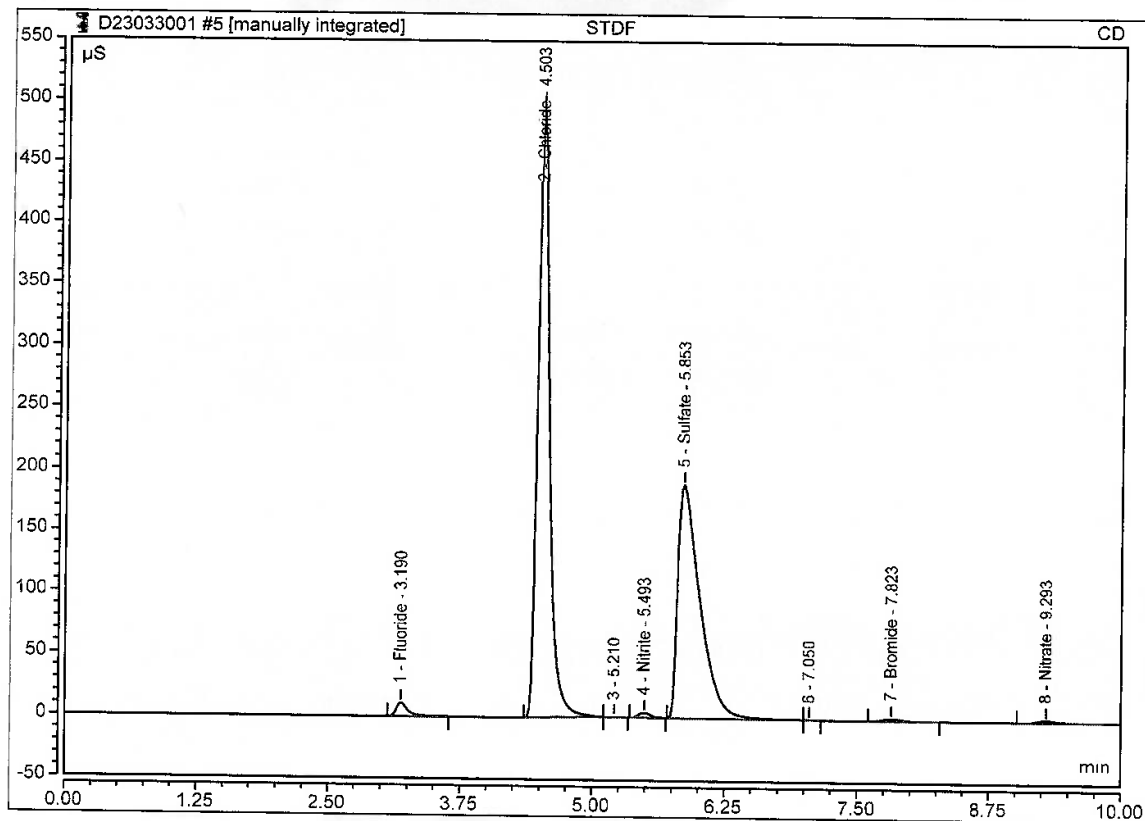
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Instrument: Integration_1
Sequence: D23033001

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Peak Integration Report

Sample Name:	STDF	Inj. Vol.:	5000.00
Injection Type:	Calibration Standard	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	20-Mar-2023 / 13:55	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	3.19	Fluoride	BMB*	1.353	11.060	3.3103
2	4.50	Chloride	BMB	63.586	494.275	200.4161
4	5.49	Nitrite	BMB	0.512	4.013	3.4034
5	5.85	Sulfate	BMB	45.842	189.675	202.3956
7	7.82	Bromide	BMB	0.333	1.853	2.9320
8	9.29	Nitrate	BMB	0.432	1.928	3.5834
TOTAL:				112.06	702.80	416.04



Anion/Integration

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Version 7.2.8.10783

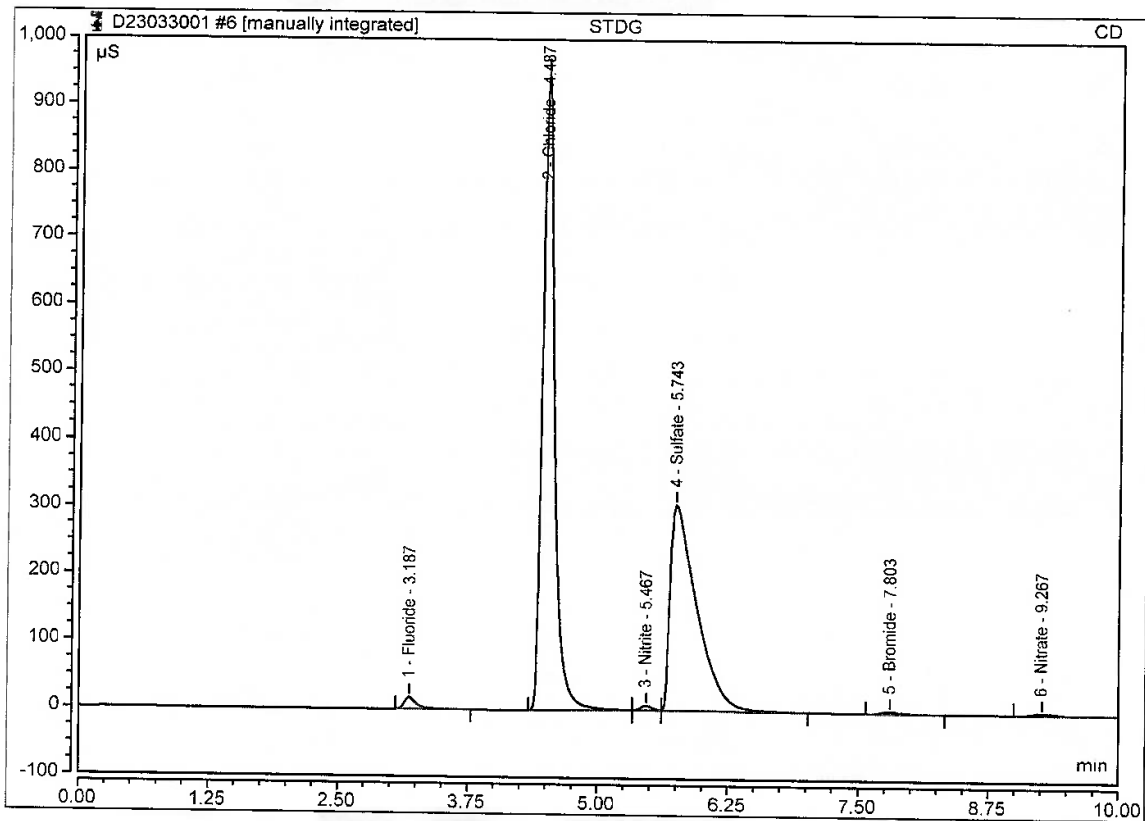
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Instrument: Integrion_1
Sequence: D23033001

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Peak Integration Report

Sample Name:	STDG	Inj. Vol.:	5000.00
Injection Type:	Calibration Standard	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	20-Mar-2023 / 14:08	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	3.19	Fluoride	BMB*	2.372	17.718	5.7733
2	4.49	Chloride	BMB	127.656	951.102	402.1195
3	5.47	Nitrite	bM	0.863	7.083	5.8057
4	5.74	Sulfate	MB	90.332	306.943	398.7169
5	7.80	Bromide	BMB	0.594	3.245	5.1600
6	9.27	Nitrate	BMB	0.778	3.419	6.5070
TOTAL:				222.59	1289.51	824.08



Anion/Integration

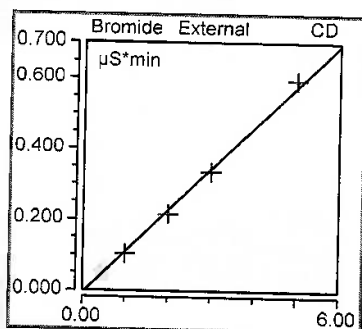
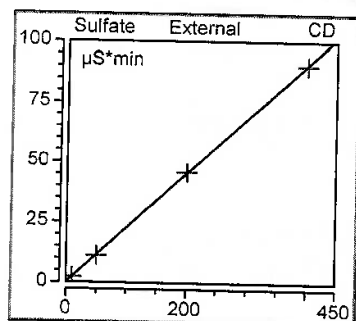
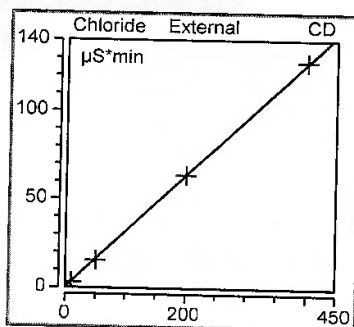
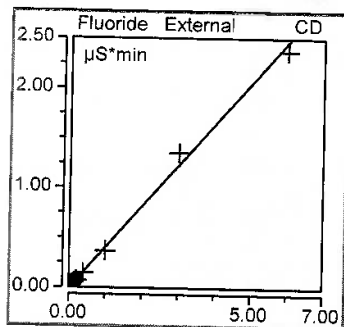
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Calibration Batch Report

Sequence: D23033001	Injection Volu 5,000.00
Instrument M ₁ Anions_012 919	Operator: Chemistry
Inj. Date / Tin 20/03/2023 / 13:16	Run Time: 10

Calibration Summary

Peak Name	Eval.Type	Cal.Type	Points	Offset (C0)	Slope (C1)	Curve (C2)	Coeff.Det. %
Fluoride	Area	WithOffset	5.000	-0.016	0.413	0.000	99.3896
Chloride	Area	WithOffset	6.000	-0.076	0.318	0.000	99.9771
Nitrite	Area	WithOffset	6.000	0.013	0.146	0.000	98.8884
Sulfate	Area	WithOffset	6.000	-0.024	0.227	0.000	99.9900
Bromide	Area	WithOffset	5.000	-0.009	0.117	0.000	99.7028
Nitrate	Area	WithOffset	5.000	0.008	0.118	0.000	92.5272
AVERAGE:				-0.0174	0.2232	0.0000	98.4125

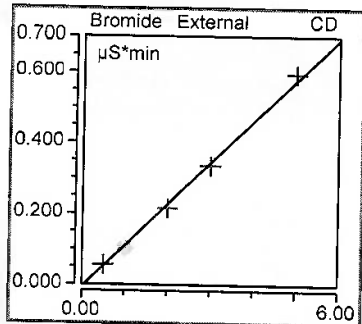
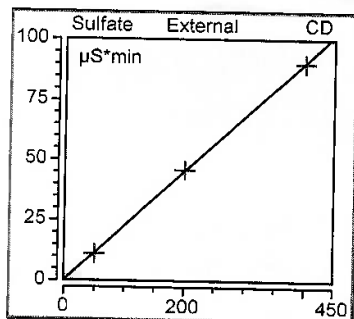
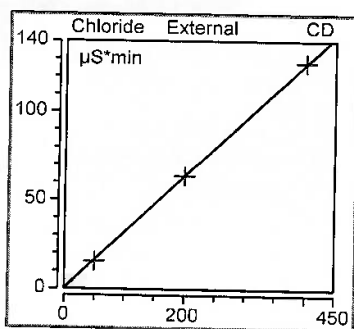
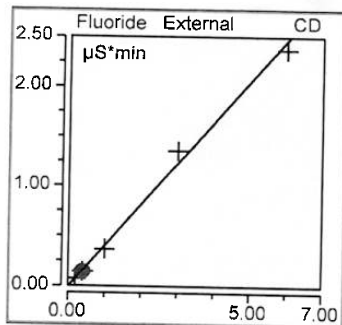


Calibration Batch Report

Sequence: D23033001	Injection Volu 5,000.00
Instrument M: Anions_012	Operator: Chemistry
Inj. Date / Tin 20/03/2023 / 13:29	Run Time: 10

Calibration Summary

Peak Name	Eval.Type	Cal.Type	Points	Offset (C0)	Slope (C1)	Curve (C2)	Coeff.Det. %
Fluoride	Area	WithOffset.	5.000	-0.016	0.413	0.000	99.3896
Chloride	Area	WithOffset.	6.000	-0.076	0.318	0.000	99.9771
Nitrite	Area	WithOffset.	6.000	0.013	0.146	0.000	98.8884
Sulfate	Area	WithOffset.	6.000	-0.024	0.227	0.000	99.9900
Bromide	Area	WithOffset.	5.000	-0.009	0.117	0.000	99.7028
Nitrate	Area	WithOffset.	5.000	0.008	0.118	0.000	92.5272
AVERAGE:				-0.0174	0.2232	0.0000	98.4125

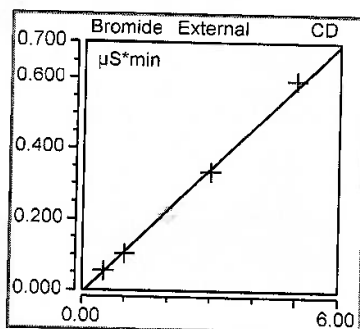
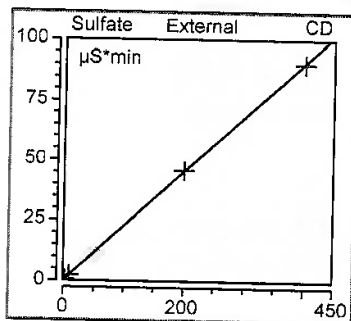
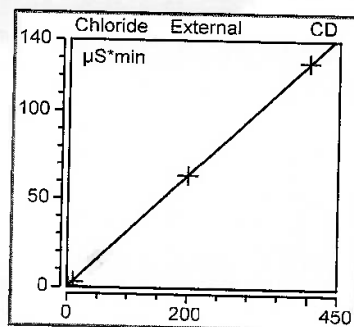
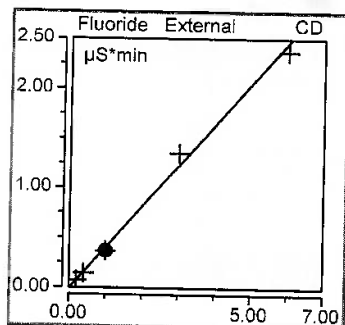


Calibration Batch Report

Sequence: D23033001	Injection Volu 5,000.00
Instrument M: Anions_012	Operator: Chemistry
919	
Inj. Date / Tin 20/03/2023 / 13:42	Run Time: 10

Calibration Summary

Peak Name	Eval.Type	Cal.Type	Points	Offset (C0)	Slope (C1)	Curve (C2)	Coeff.Det. %
Fluoride	Area	WithOffset	5.000	-0.016	0.413	0.000	99.3896
Chloride	Area	WithOffset	6.000	-0.076	0.318	0.000	99.9771
Nitrite	Area	WithOffset	6.000	0.013	0.146	0.000	98.8884
Sulfate	Area	WithOffset	6.000	-0.024	0.227	0.000	99.9900
Bromide	Area	WithOffset	5.000	-0.009	0.117	0.000	99.7028
Nitrate	Area	WithOffset	5.000	0.008	0.118	0.000	92.5272
AVERAGE:				-0.0174	0.2232	0.0000	98.4125

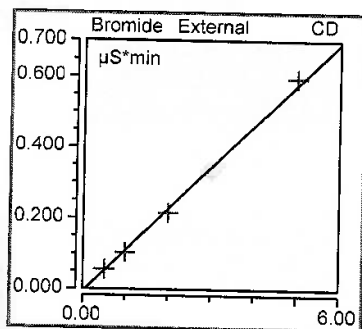
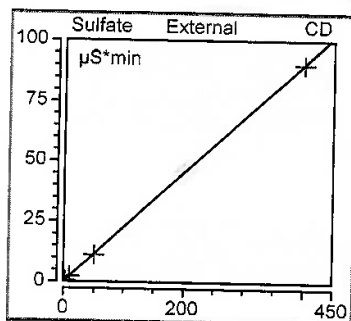
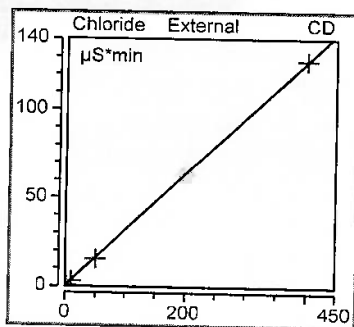
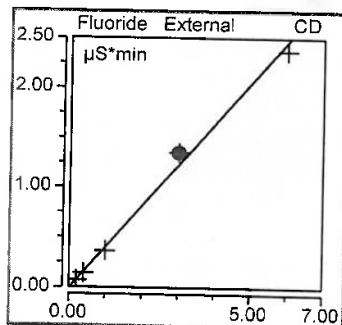


Calibration Batch Report

Sequence: D23033001	Injection Volu 5,000.00
Instrument M ₁ Anions_012 919	Operator: Chemistry
Inj. Date / Tin 20/03/2023 / 13:55	Run Time: 10

Calibration Summary

Peak Name	Eval.Type	Cal.Type	Points	Offset (C0)	Slope (C1)	Curve (C2)	Coeff.Det. %
Fluoride	Area	WithOffset,	5.000	-0.016	0.413	0.000	99.3896
Chloride	Area	WithOffset,	6.000	-0.076	0.318	0.000	99.9771
Nitrite	Area	WithOffset,	6.000	0.013	0.146	0.000	98.8884
Sulfate	Area	WithOffset,	6.000	-0.024	0.227	0.000	99.9900
Bromide	Area	WithOffset,	5.000	-0.009	0.117	0.000	99.7028
Nitrate	Area	WithOffset,	5.000	0.008	0.118	0.000	92.5272
AVERAGE:				-0.0174	0.2232	0.0000	98.4125

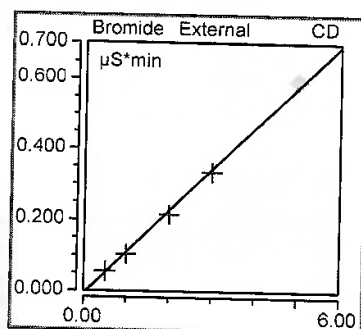
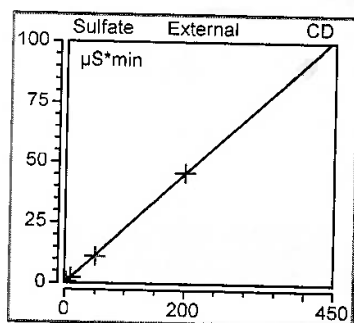
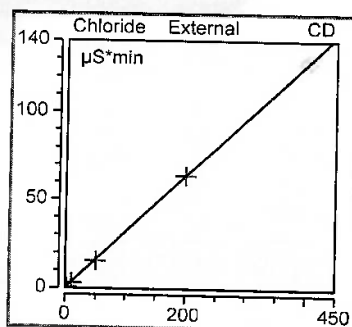
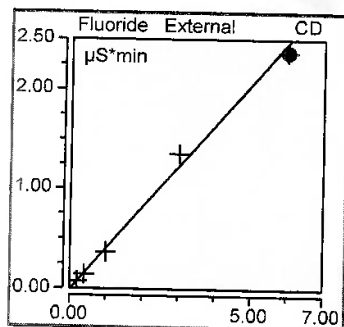


Calibration Batch Report

Sequence: D23033001	Injection Volu 5,000.00
Instrument M: Anions_012	Operator: Chemistry
Inj. Date / Tin 20/03/2023 / 14:08	Run Time: 10

Calibration Summary

Peak Name	Eval.Type	Cal.Type	Points	Offset (C0)	Slope (C1)	Curve (C2)	Coeff.Det. %
Fluoride	Area	WithOffset	5.000	-0.016	0.413	0.000	99.3896
Chloride	Area	WithOffset	6.000	-0.076	0.318	0.000	99.9771
Nitrite	Area	WithOffset	6.000	0.013	0.146	0.000	98.8884
Sulfate	Area	WithOffset	6.000	-0.024	0.227	0.000	99.9900
Bromide	Area	WithOffset	5.000	-0.009	0.117	0.000	99.7028
Nitrate	Area	WithOffset	5.000	0.008	0.118	0.000	92.5272
AVERAGE:				-0.0174	0.2232	0.0000	98.4125



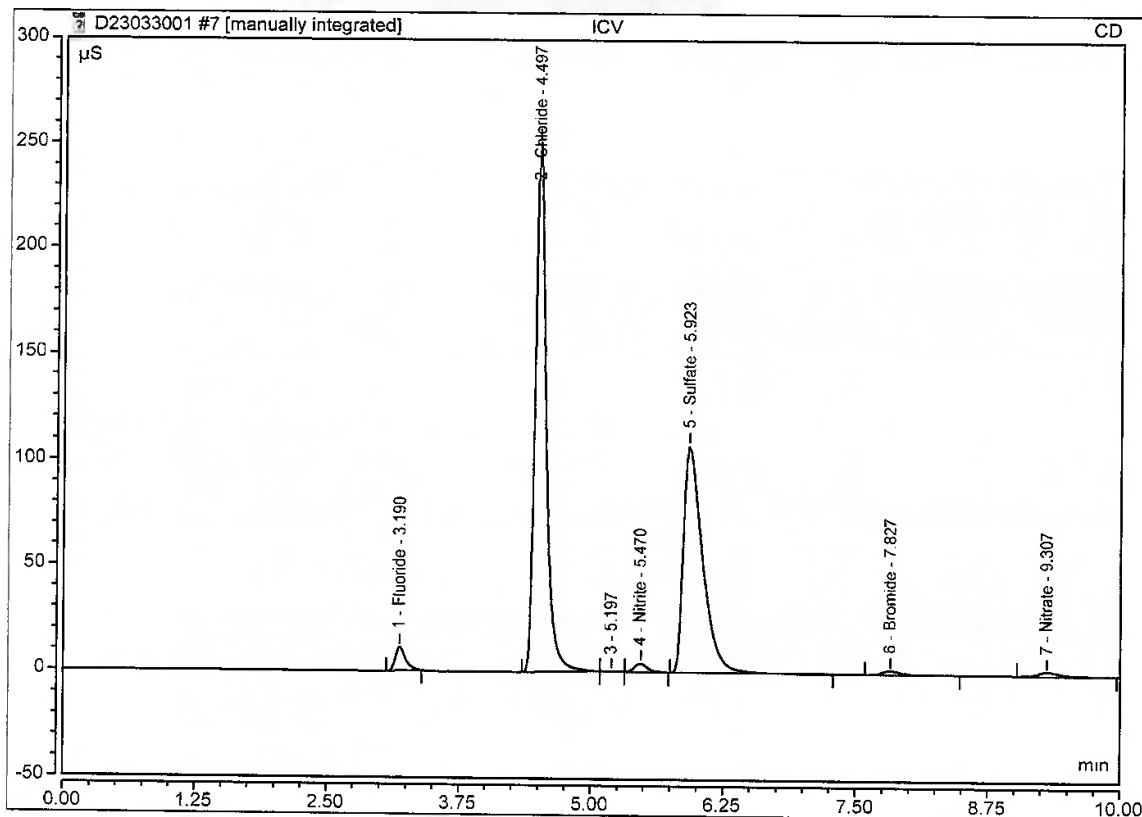
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Instrument: Integrion_1
Sequence: D23033001

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Peak Integration Report

Sample Name:	ICV	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	20-Mar-2023 / 14:21	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	3.19	Fluoride	BMB*	1.233	11.224	3.0206
2	4.50	Chloride	BMB	30.784	251.670	97.1516
4	5.47	Nitrite	BMB	0.541	4.014	3.6015
5	5.92	Sulfate	BMB	22.642	107.490	100.0221
6	7.83	Bromide	BMB	0.351	1.906	3.0819
7	9.31	Nitrate	BMB	0.440	1.984	3.6532
TOTAL:				55.99	378.29	210.53



Anion/Integration

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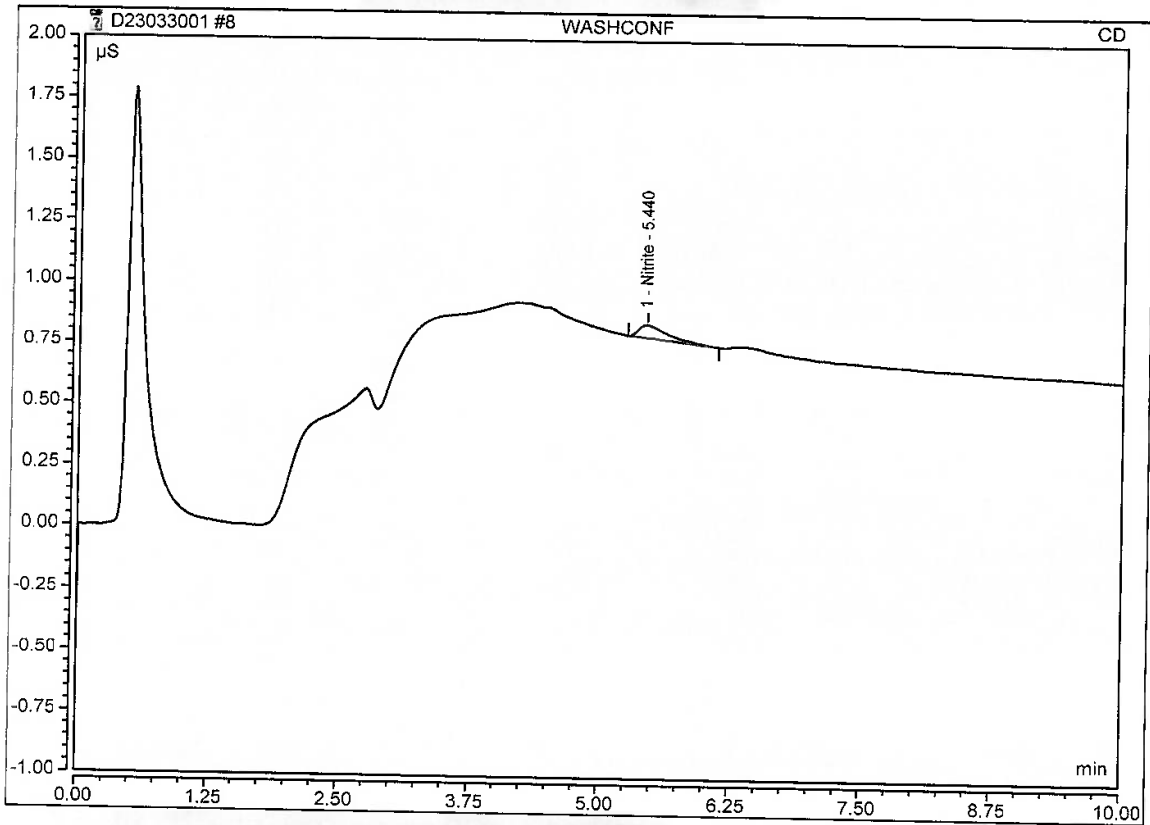
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Instrument: Integration_1
Sequence: D23033001

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Peak Integration Report

Sample Name:	WASHCONF	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	30-Mar-2023 / 14:36	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	5.44	Nitrite	BMB	0.017	0.053	0.0270
TOTAL:				0.02	0.05	0.03



Anion/Integration

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Version 7.2.8.10783

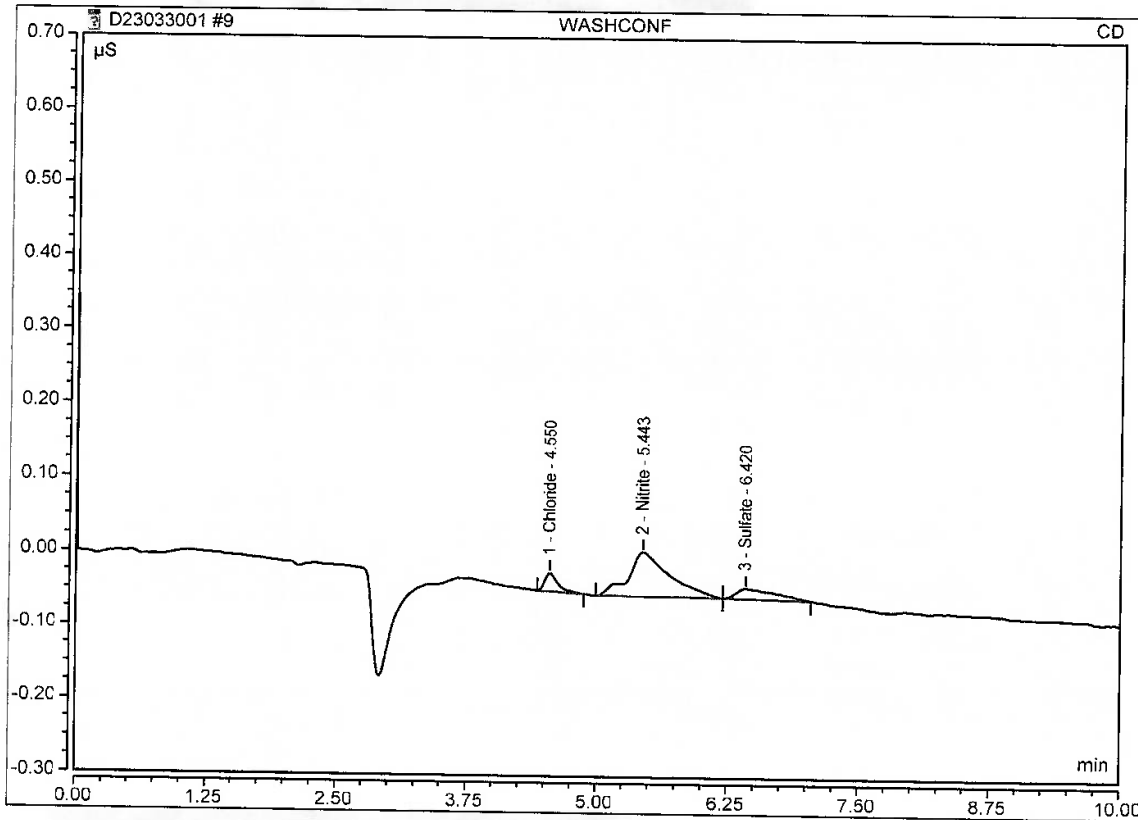
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Instrument: Integration_1
Sequence: D23033001

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Peak Integration Report

Sample Name:	WASHCONF	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	30-Mar-2023 / 14:49	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	4.55	Chloride	BMB	0.004	0.025	0.2513
2	5.44	Nitrite	BMB	0.028	0.061	0.0994
3	6.42	Sulfate	bMB	0.006	0.014	0.1350
TOTAL:				0.04	0.10	0.49



Anion/Integration

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Version 7.2.8.10783

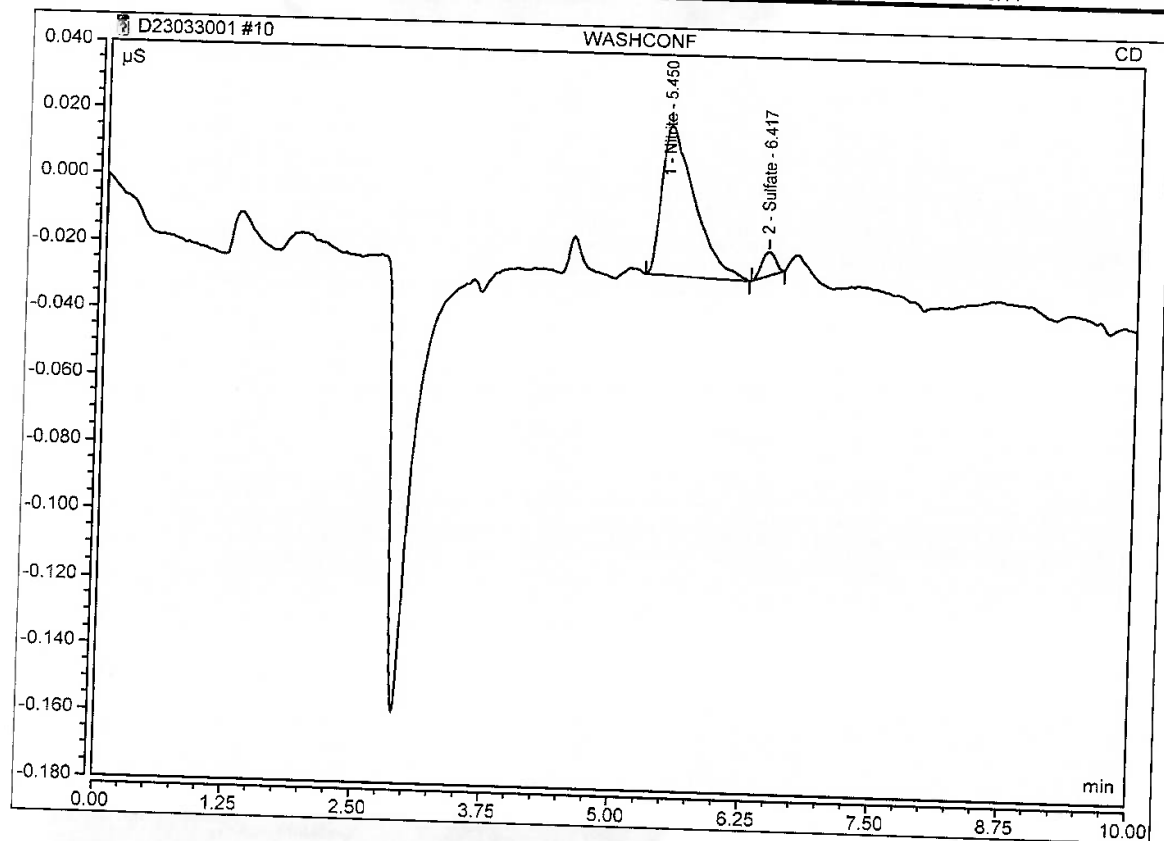
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Instrument: Integrion_1
Sequence: D23033001

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Peak Integration Report

Sample Name:	WASHCONF	Inf. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Ini. Date / Time:	30-Mar-2023 / 15:02	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount
1	5.45	Nitrite	BMB	0.017	0.045	0.0236
2	6.42	Sulfate	BMB	0.001	0.007	0.1122
TOTAL:				0.02	0.05	0.14



Anion/Integration

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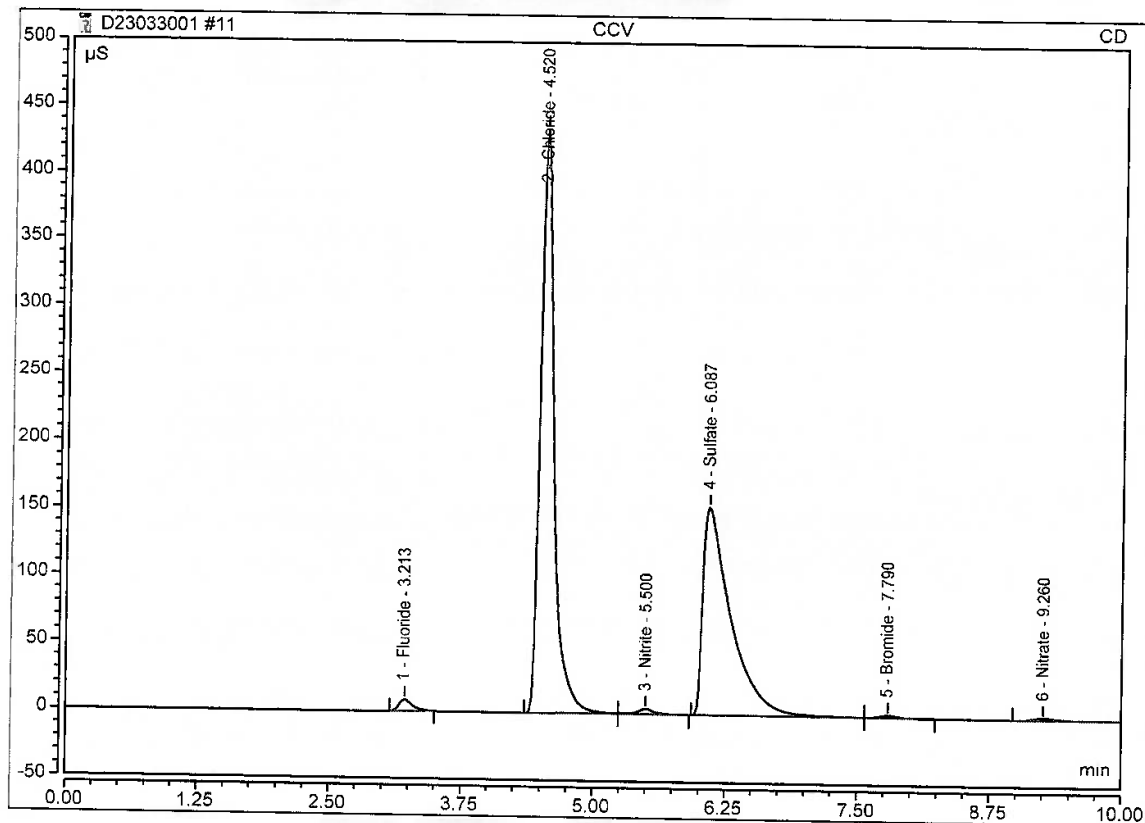
Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D23033001

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Peak Integration Report

Sample Name:	CCV	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	30-Mar-2023 / 15:15	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount
1	3.21	Fluoride	BMB	1.255	8.554	3.0728
2	4.52	Chloride	BMB	65.236	435.198	205.6109
3	5.50	Nitrite	bMB	0.626	3.784	4.1825
4	6.09	Sulfate	BMB	47.356	154.580	209.0746
5	7.79	Bromide	bMB	0.323	1.658	2.8433
6	9.26	Nitrate	BMB	0.425	1.700	3.5284
TOTAL:				115.22	605.47	428.31



Anion/Integration

Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

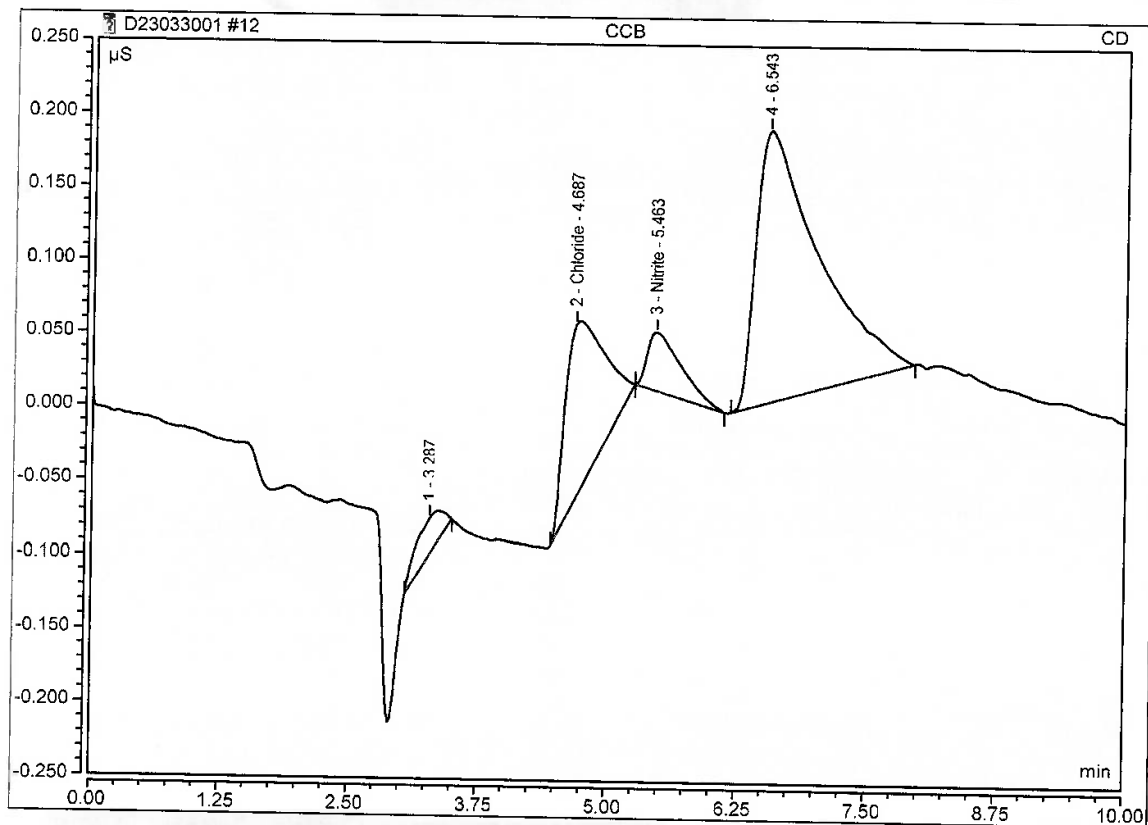
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Instrument: Integrion_1
Sequence: D23033001

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Peak Integration Report

Sample Name:	CCB	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	30-Mar-2023 / 15:28	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	4.69	Chloride	BMb	0.049	0.118	0.3926
3	5.46	Nitrite	bMB	0.015	0.040	0.0149
TOTAL:				0.06	0.16	0.41



Anion/Integration

Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

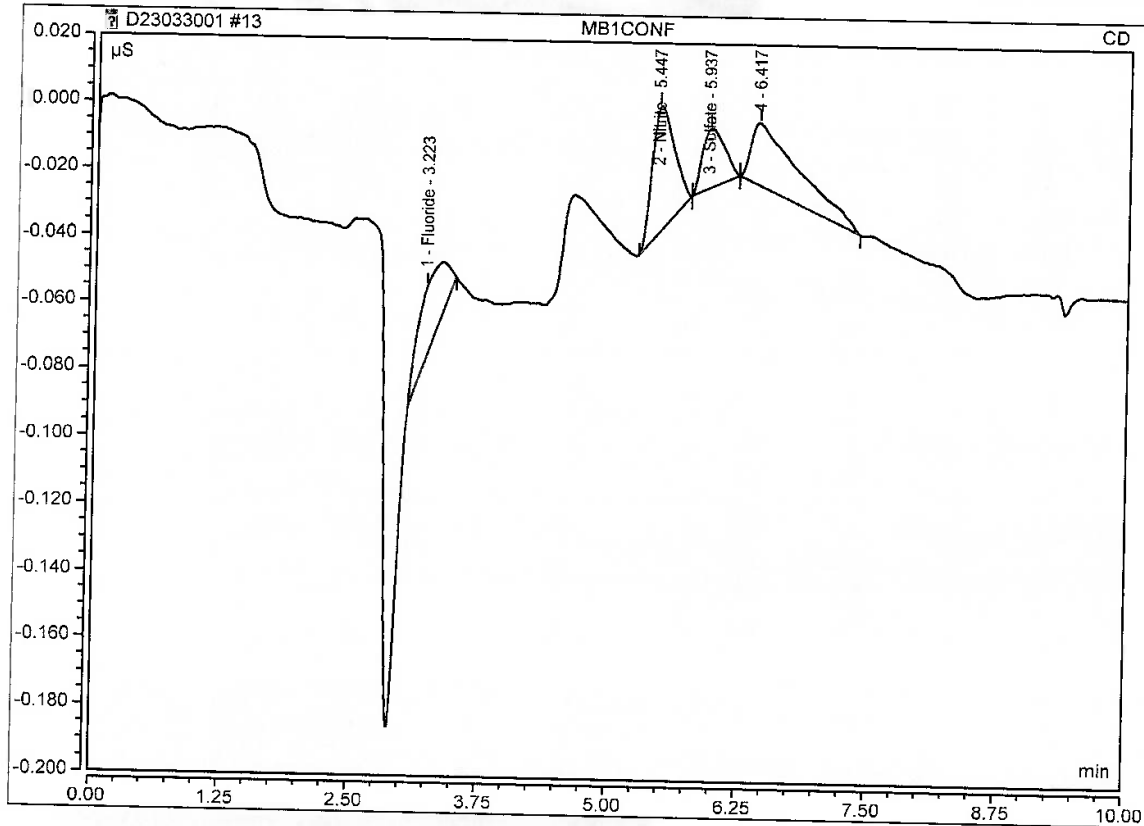
Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D23033001

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Peak Integration Report

Sample Name:	MB1CONF	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	30-Mar-2023 / 15:41	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount
1	3.22	Fluoride	BMB	0.006	0.021	0.0528
2	5.45	Nitrite	BMB	0.009	0.038	n.a.
3	5.94	Sulfate	bMb	0.004	0.018	0.1266
TOTAL:				0.02	0.08	0.18



Anion/Integration

Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

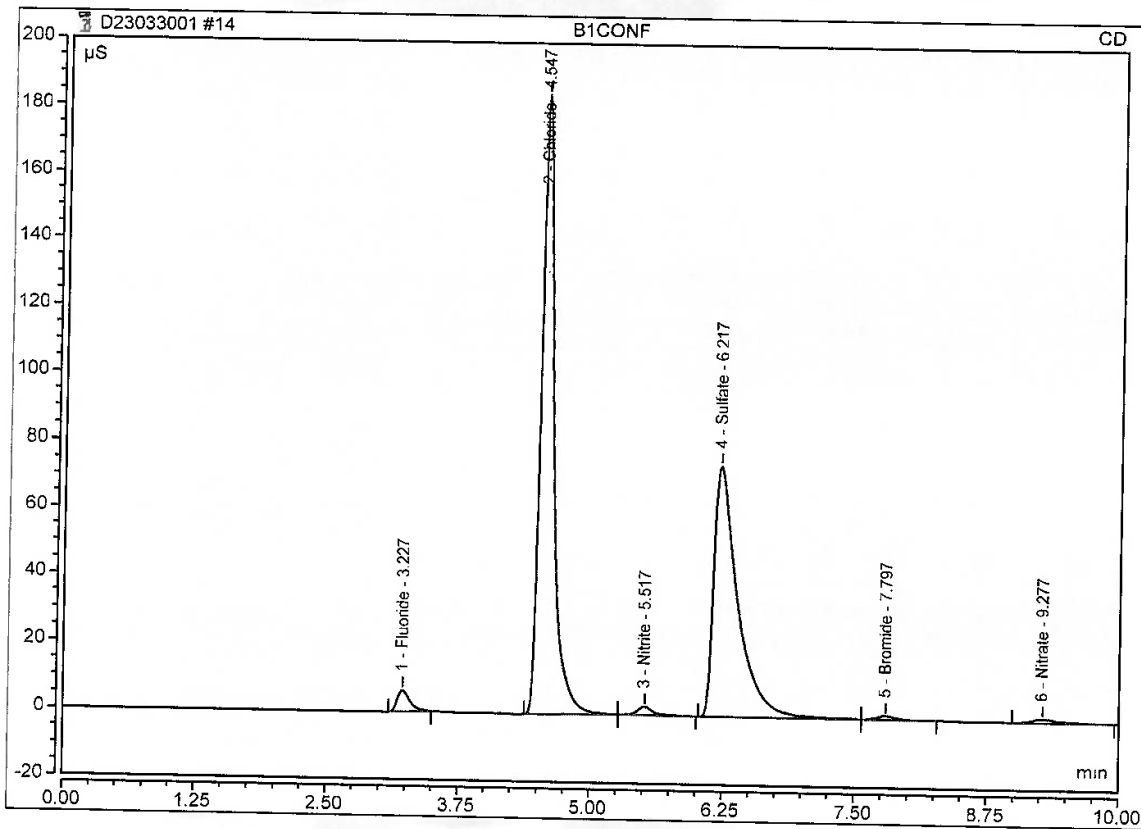
Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D23033001

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Peak Integration Report

Sample Name:	B1CONF	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	30-Mar-2023 / 15:54	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount
1	3.23	Fluoride	BMB	0.865	6.296	2.1306
2	4.55	Chloride	BMB	26.519	184.429	83.7259
3	5.52	Nitrite	bMB	0.424	2.501	2.8060
4	6.22	Sulfate	BMB	19.333	74.783	85.4178
5	7.80	Bromide	bMB	0.211	1.096	1.8853
6	9.28	Nitrate	BMB	0.280	1.111	2.2976
TOTAL:				47.63	270.22	178.26



Anion/Integration

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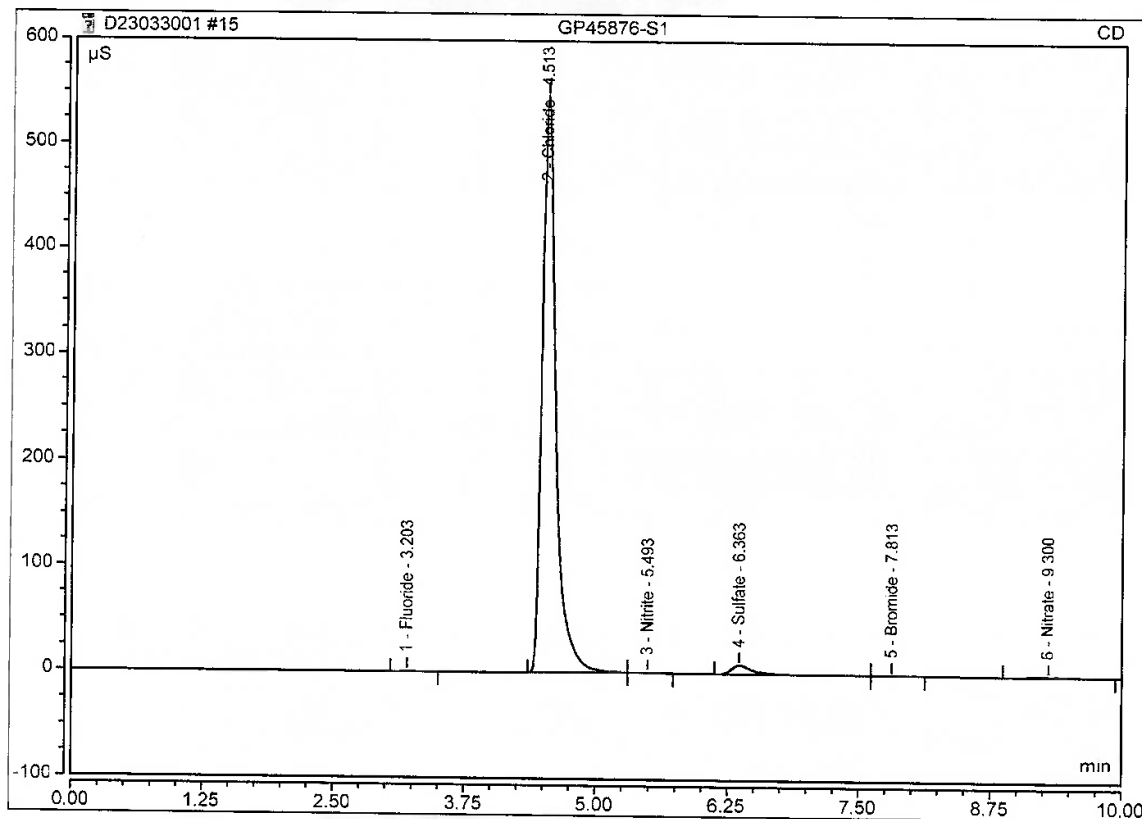
Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D23033001

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Peak Integration Report

Sample Name:	GP45876-S1	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	15.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	30-Mar-2023 / 16:07	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	3.20	Fluoride	BMB	0.067	0.441	2.9956
2	4.51	Chloride	BMB	83.090	547.294	3927.2653
3	5.49	Nitrite	bMB	0.049	0.299	3.6841
4	6.36	Sulfate	BMB	2.063	8.600	138.1509
5	7.81	Bromide	bMB	0.017	0.091	3.3934
6	9.30	Nitrate	BMB	0.122	0.477	14.4725
TOTAL:				85.41	557.20	4089.96



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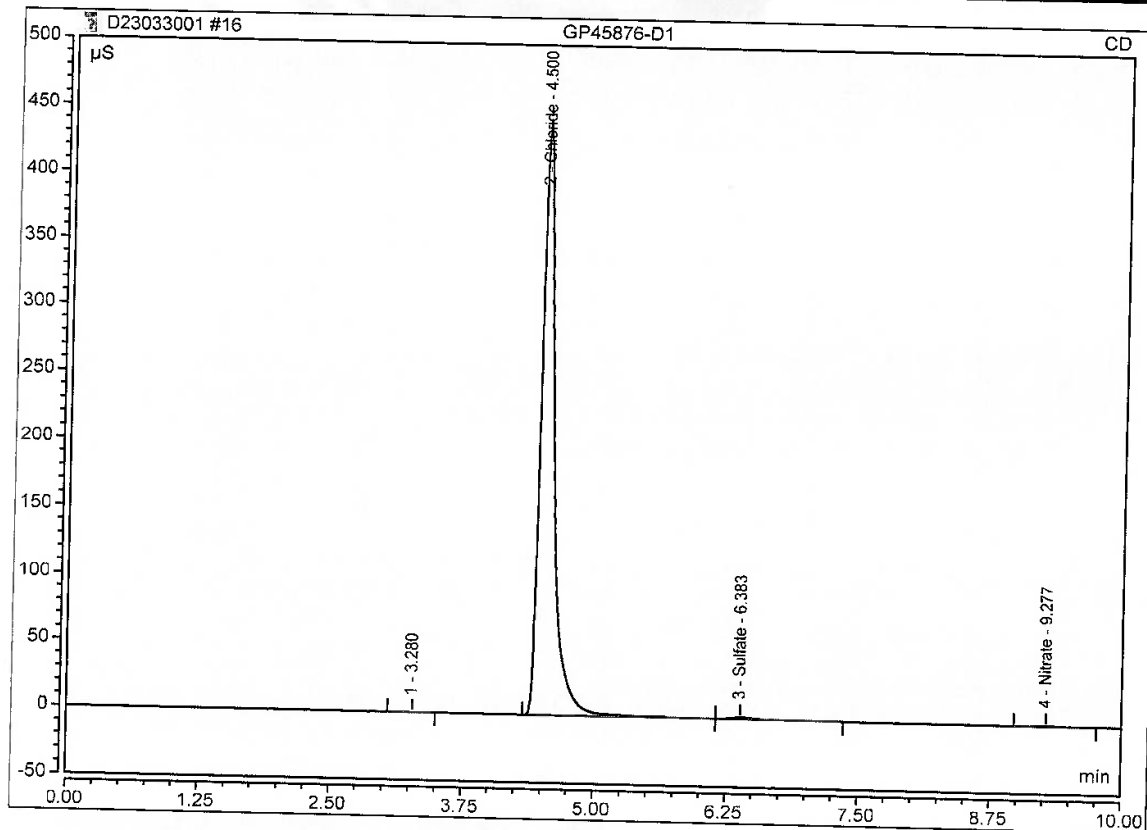
Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D23033001

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Peak Integration Report

Sample Name:	GP45876-D1	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	15.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	30-Mar-2023 / 16:20	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount
2	4.50	Chloride	BMB	67.153	444.627	3174.7035
3	6.38	Sulfate	bMB	0.299	1.278	21.4319
4	9.28	Nitrate	BMB	0.078	0.314	8.8845
TOTAL:				67.53	446.22	3205.02



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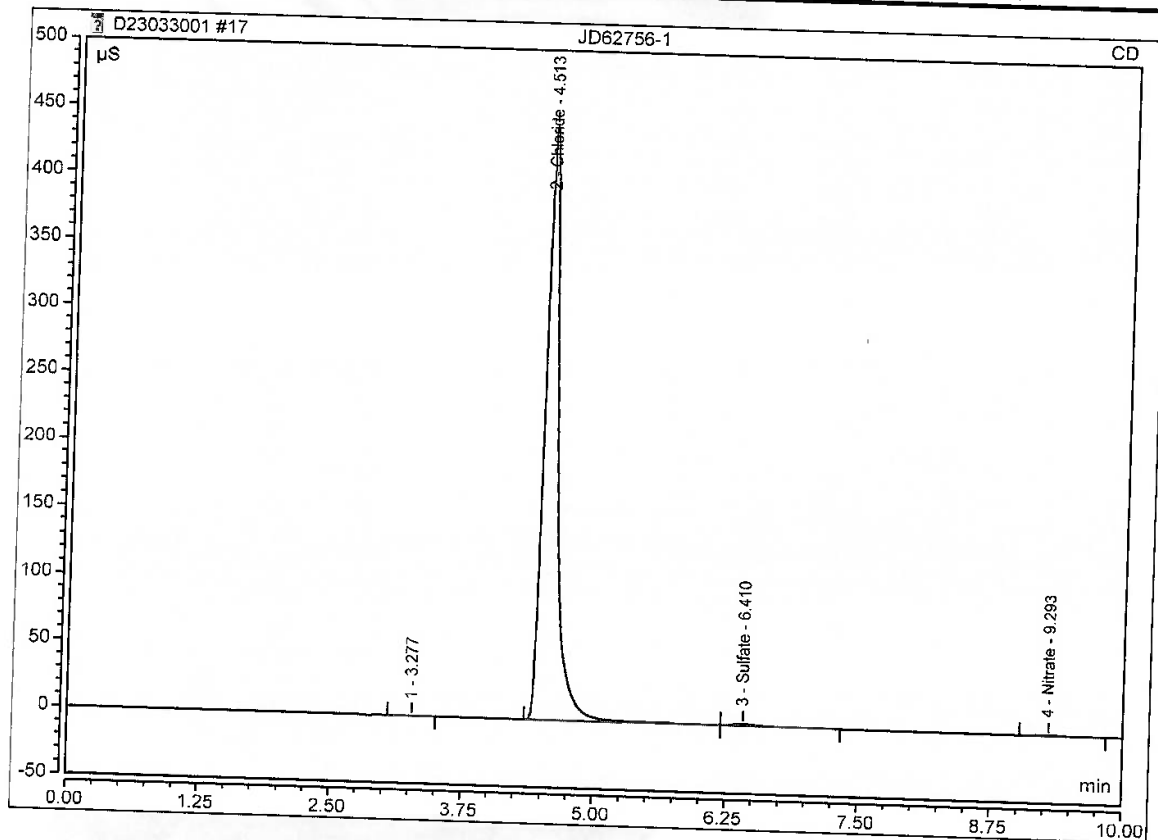
Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D23033001

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Peak Integration Report

Sample Name:	JD62756-1	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	15.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	30-Mar-2023 / 16:33	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	4.51	Chloride	BMb	67.492	443.865	3190.6989
3	6.41	Sulfate	bMB	0.290	1.275	20.8306
4	9.29	Nitrate	BMB	0.086	0.344	9.9248
TOTAL:				67.87	445.48	3221.45



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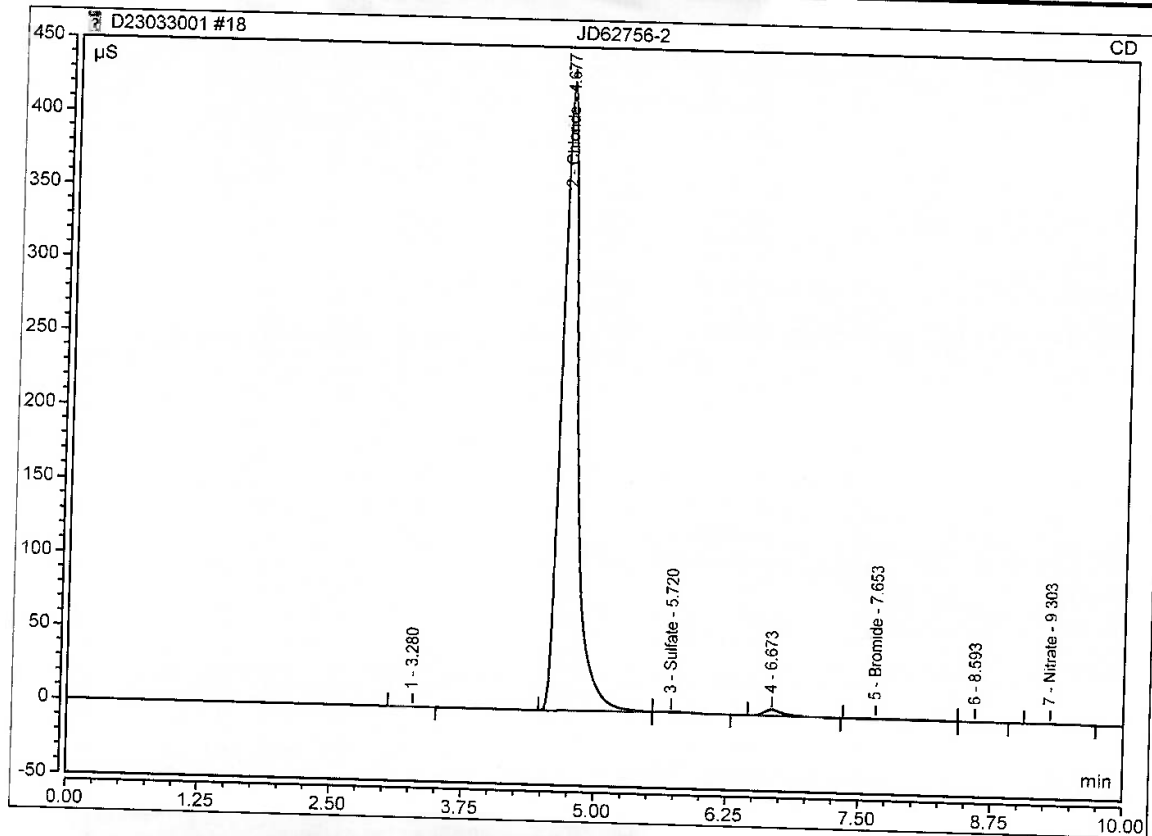
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Instrument: Integrion_1
Sequence: D23033001

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Peak Integration Report

Sample Name:	JD62756-2	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	5.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	30-Mar-2023 / 16:46	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	4.68	Chloride	BMb	77.707	426.492	1224.3612
3	5.72	Sulfate	bMB	0.135	0.458	3.5156
5	7.65	Bromide	BMb	0.239	0.370	10.6313
7	9.30	Nitrate	BMB	0.092	0.399	3.5839
TOTAL:				78.17	427.72	1242.09



Anion/Integration

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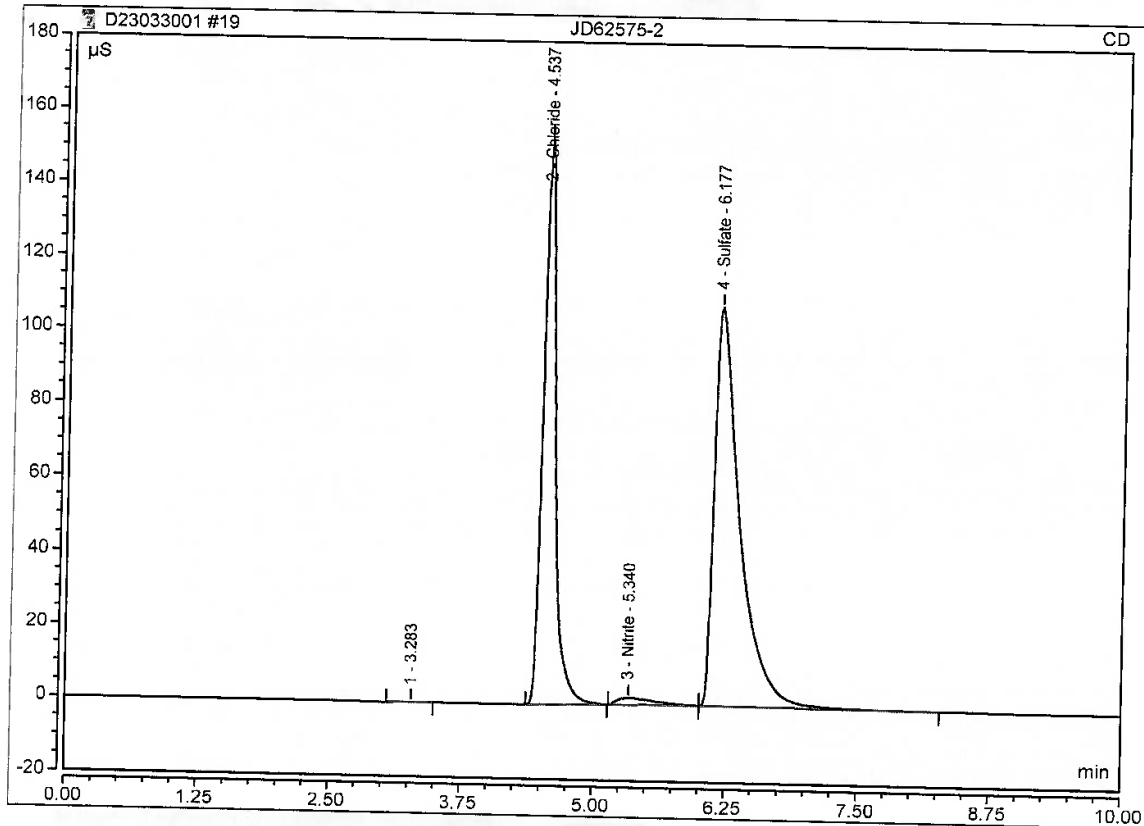
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Instrument: Integrion_1
Sequence: D23033001

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Peak Integration Report

Sample Name:	JD62575-2	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	3.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	30-Mar-2023 / 16:59	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount
2	4.54	Chloride	BMB	21.299	153.578	201.8721
3	5.34	Nitrite	BMB	0.755	1.908	15.1890
4	6.18	Sulfate	BMB	30.178	107.953	399.8278
TOTAL:				52.23	263.44	616.89



Anion/Integration

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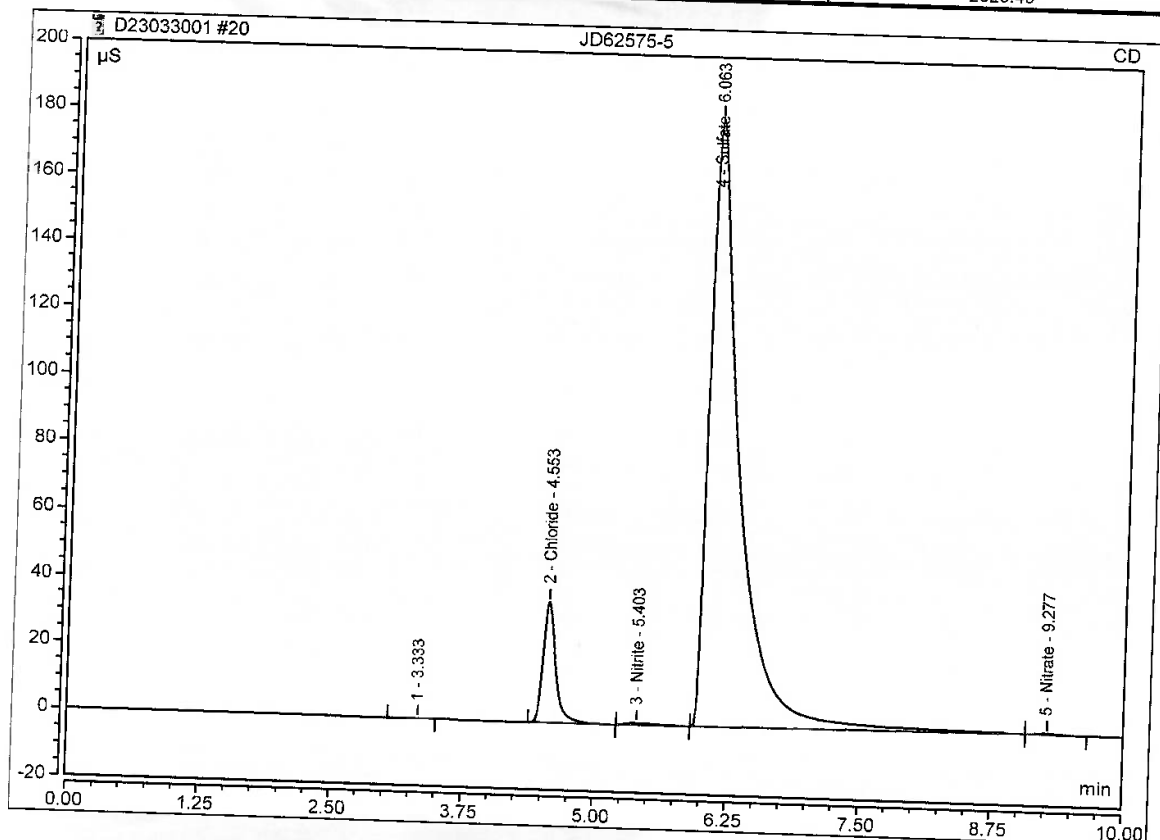
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Instrument: Integrion_1
Sequence: D23033001

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Peak Integration Report

Sample Name:	JD62575-5	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	10.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	30-Mar-2023 / 17:12	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount
2	4.55	Chloride	BMB	4.920	35.932	157.2780
3	5.40	Nitrite	BMB	0.198	0.630	12.6339
4	6.06	Sulfate	BMB	59.974	181.436	2647.5641
5	9.28	Nitrate	bMB	0.078	0.342	5.9495
TOTAL:				65.17	218.34	2823.43



Anion/Integration

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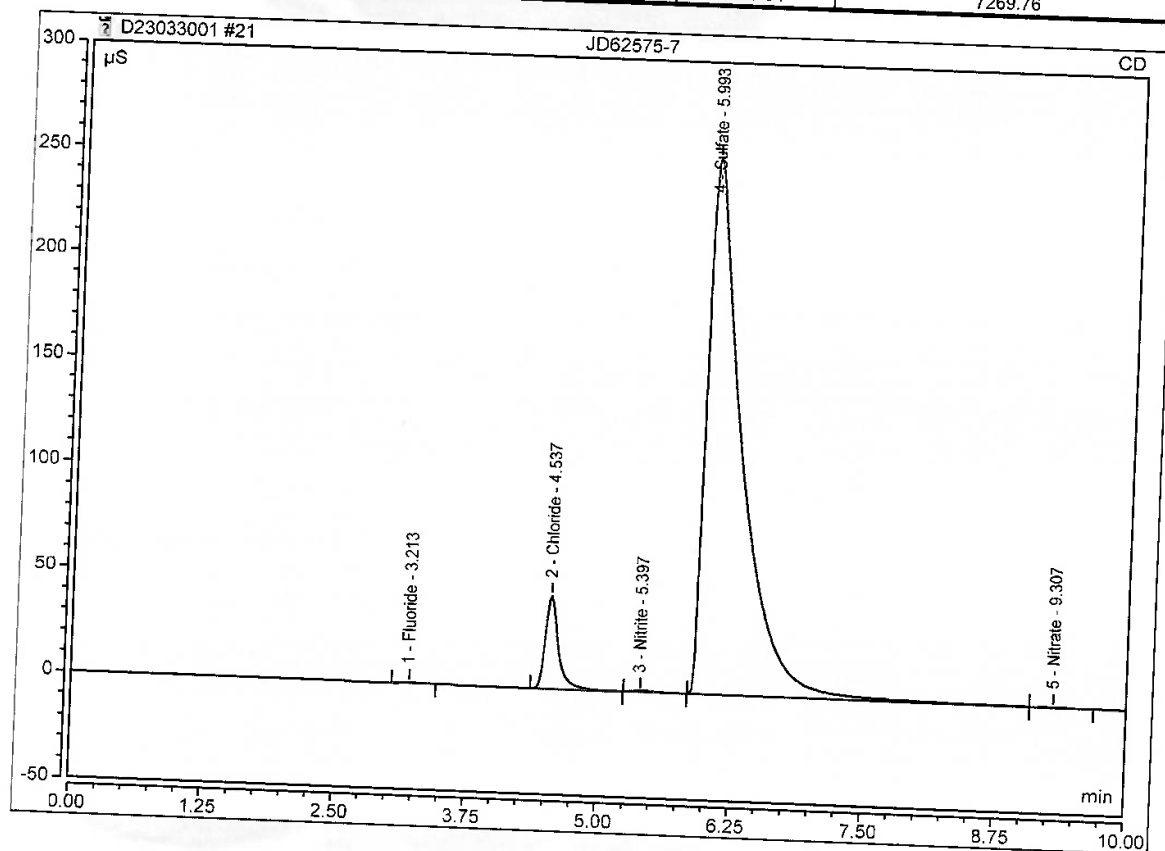
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Instrument: Integrion_1
Sequence: D23033001

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Peak Integration Report

Sample Name:	JD62575-7	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	16.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	30-Mar-2023 / 17:25	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount
1	3.21	Fluoride	BMB	0.063	0.335	3.0576
2	4.54	Chloride	BMB	6.328	44.109	322.5665
3	5.40	Nitrite	BMB	0.163	0.609	16.3717
4	5.99	Sulfate	BMB	98.050	254.846	6924.4388
5	9.31	Nitrate	bMB	0.032	0.139	3.3277
TOTAL:				104.64	300.04	7269.76



Anion/Integration

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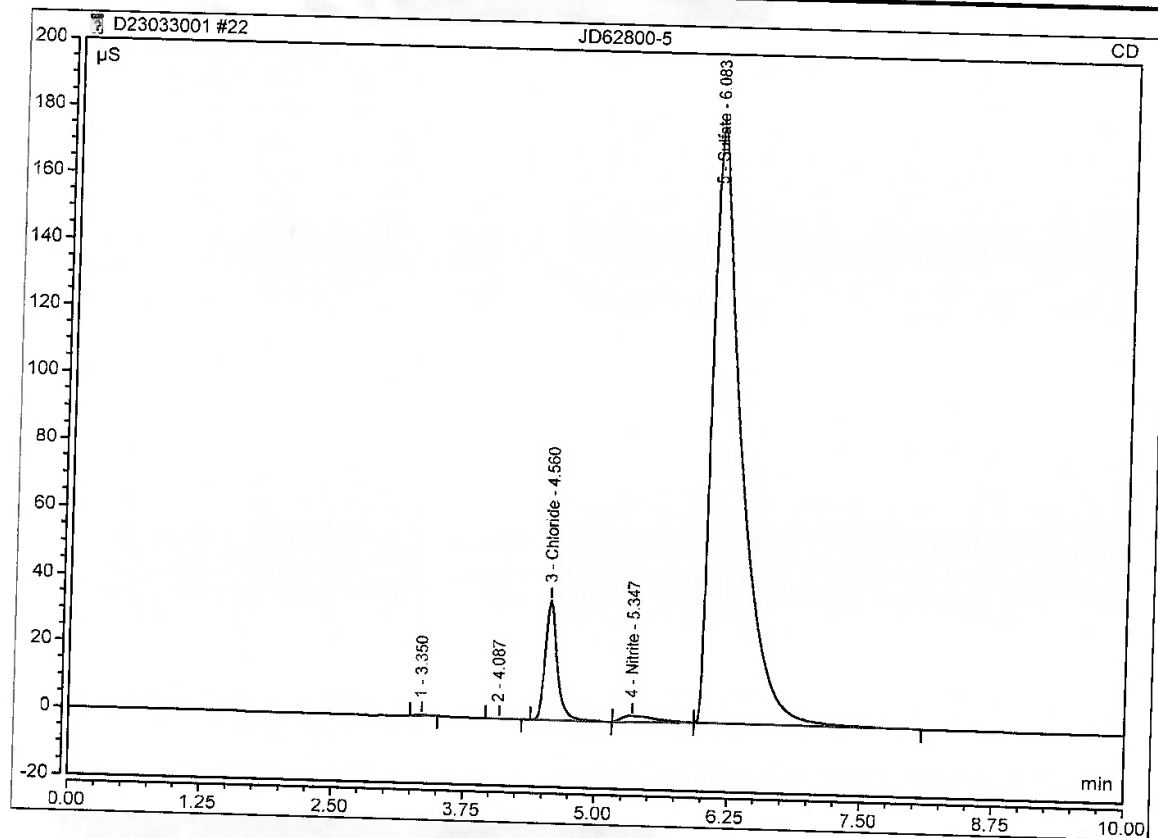
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Sequence: D23033001

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Peak Integration Report

Sample Name:	JD62800-5	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	30.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	30-Mar-2023 / 17:38	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount
3	4.56	Chloride	BMB	4.709	35.607	451.9331
4	5.35	Nitrite	BMB	0.684	1.854	137.4815
5	6.08	Sulfate	BMB	56.497	177.984	7482.4050
TOTAL:				61.89	215.44	8071.82



Anion/Integration

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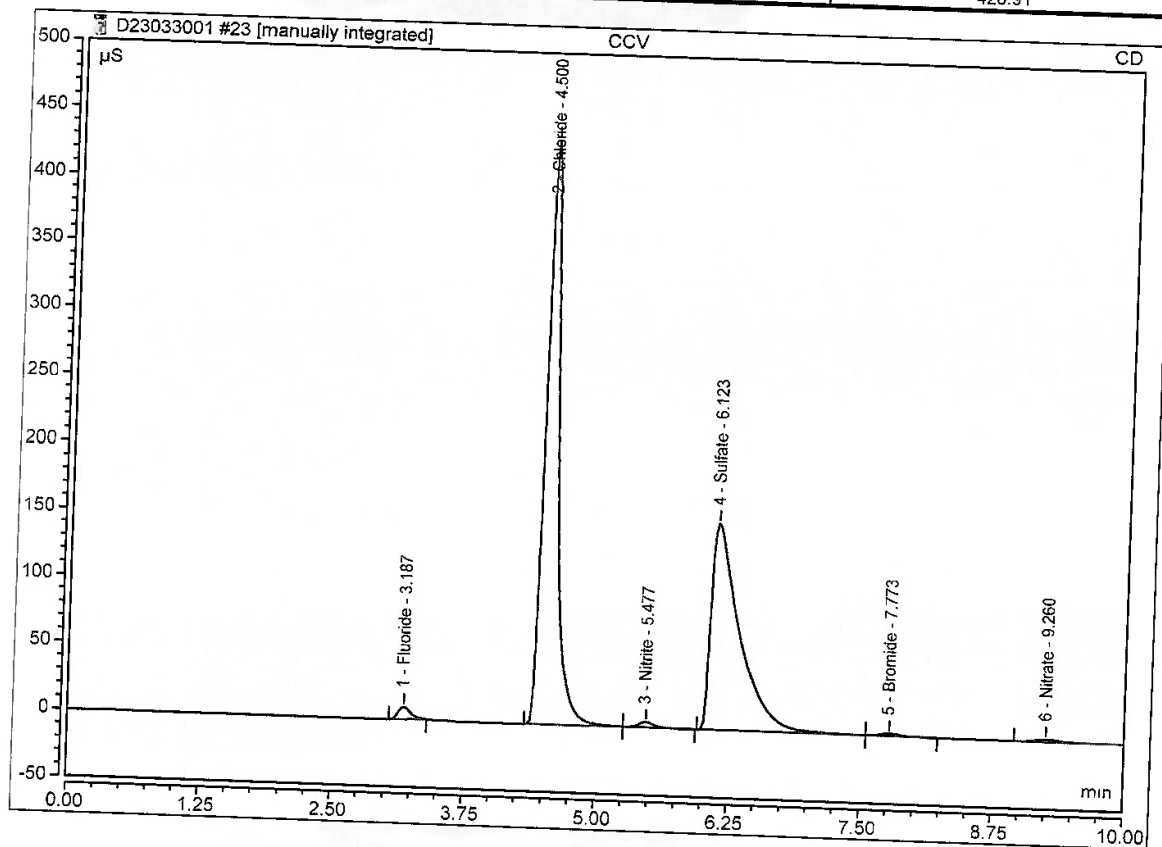
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Instrument: Integrion_1
Sequence: D23033001

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Peak Integration Report

Sample Name:	CCV	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	30-Mar-2023 / 17:51	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount
1	3.19	Fluoride	BMB*	1.256	9.204	3.0744
2	4.50	Chloride	BMb	64.847	435.403	204.3879
3	5.48	Nitrite	bMB	0.665	3.952	4.4491
4	6.12	Sulfate	BMb	47.595	153.703	210.1317
5	7.77	Bromide	bMB	0.348	1.776	3.0556
6	9.26	Nitrate	BMB	0.458	1.828	3.8066
TOTAL:				115.17	605.87	428.91



Anion/Integration

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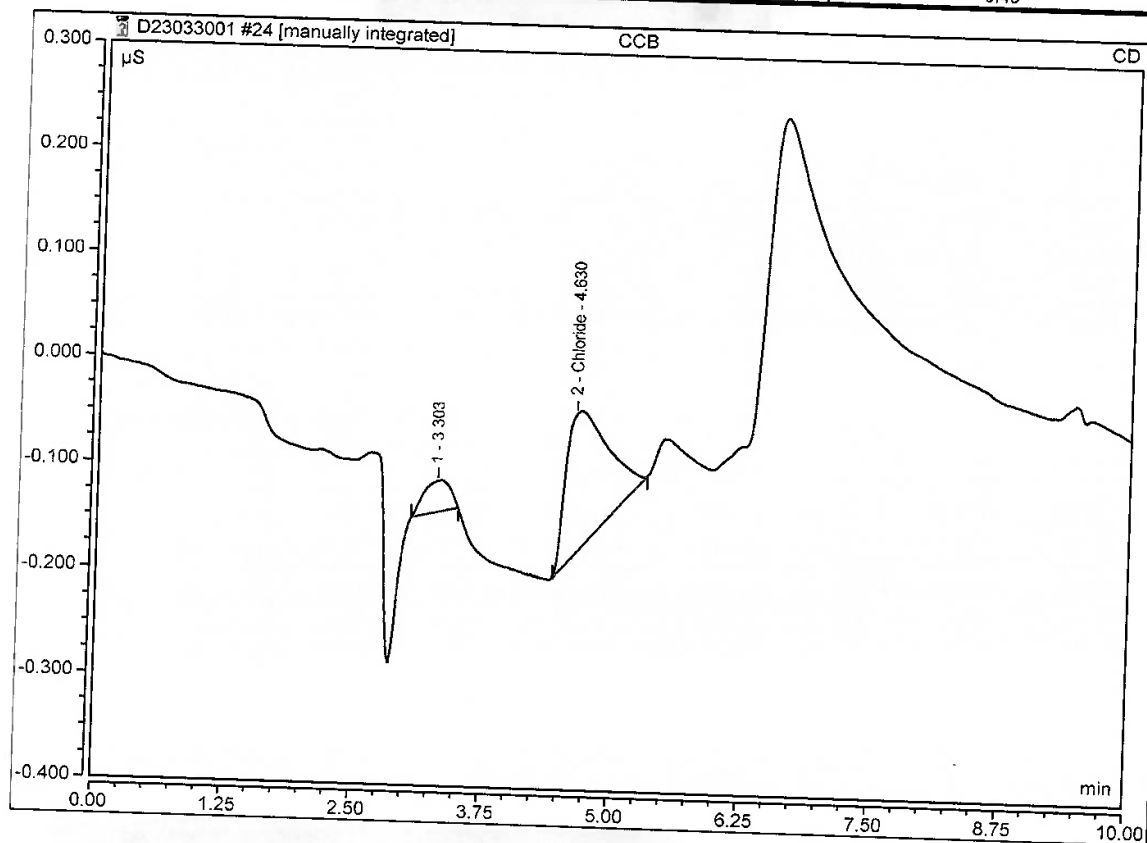
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Instrument: Integrion_1
Sequence: D23033001

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Peak Integration Report

Sample Name:	CCB	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	30-Mar-2023 / 18:04	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	4.63	Chloride	BMB	0.059	0.133	0.4260
TOTAL:				0.06	0.13	0.43



Anion/Integration

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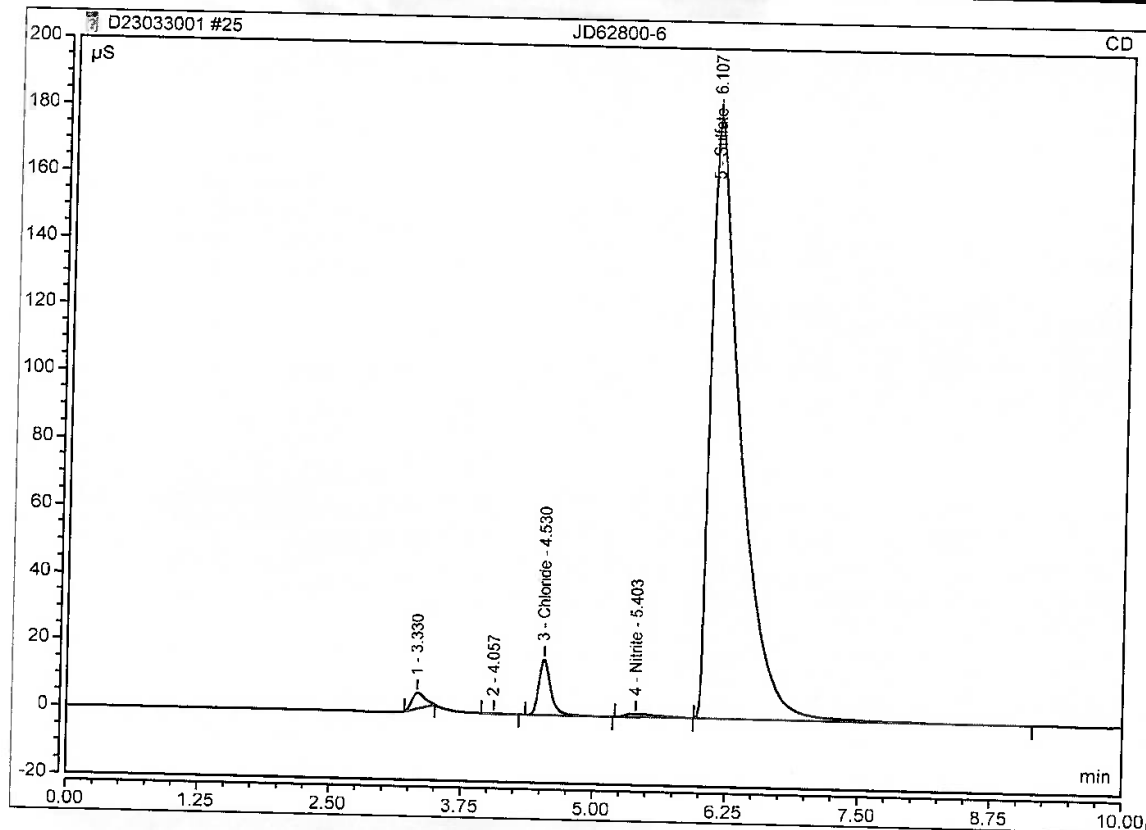
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Instrument: Integrion_1
Sequence: D23033001

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Peak Integration Report

Sample Name:	JD62800-6	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	34.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	30-Mar-2023 / 18:17	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
3	4.53	Chloride	BMB	2.160	16.639	239.3508
4	5.40	Nitrite	BMB	0.343	1.030	76.5039
5	6.11	Sulfate	BMB	58.348	179.602	8757.8179
TOTAL:				60.85	197.27	9073.67



Anion/Integration

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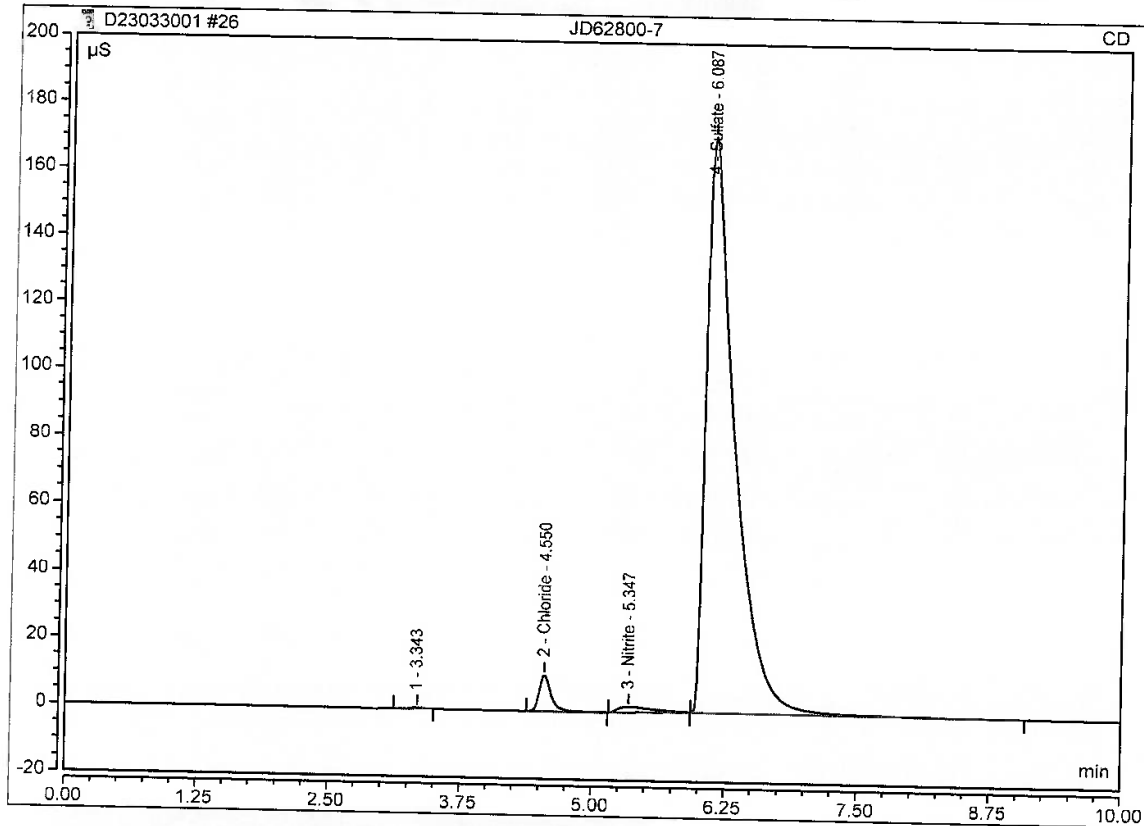
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Instrument: Integrion_1
Sequence: D23033001

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Peak Integration Report

Sample Name:	JD62800-7	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	20.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	30-Mar-2023 / 18:31	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	4.55	Chloride	BMB	1.405	10.795	93.2791
3	5.35	Nitrite	BMB	0.612	1.678	81.8240
4	6.09	Sulfate	BMB	53.897	171.631	4758.8248
TOTAL:				55.91	184.10	4933.93



Anion/Integration

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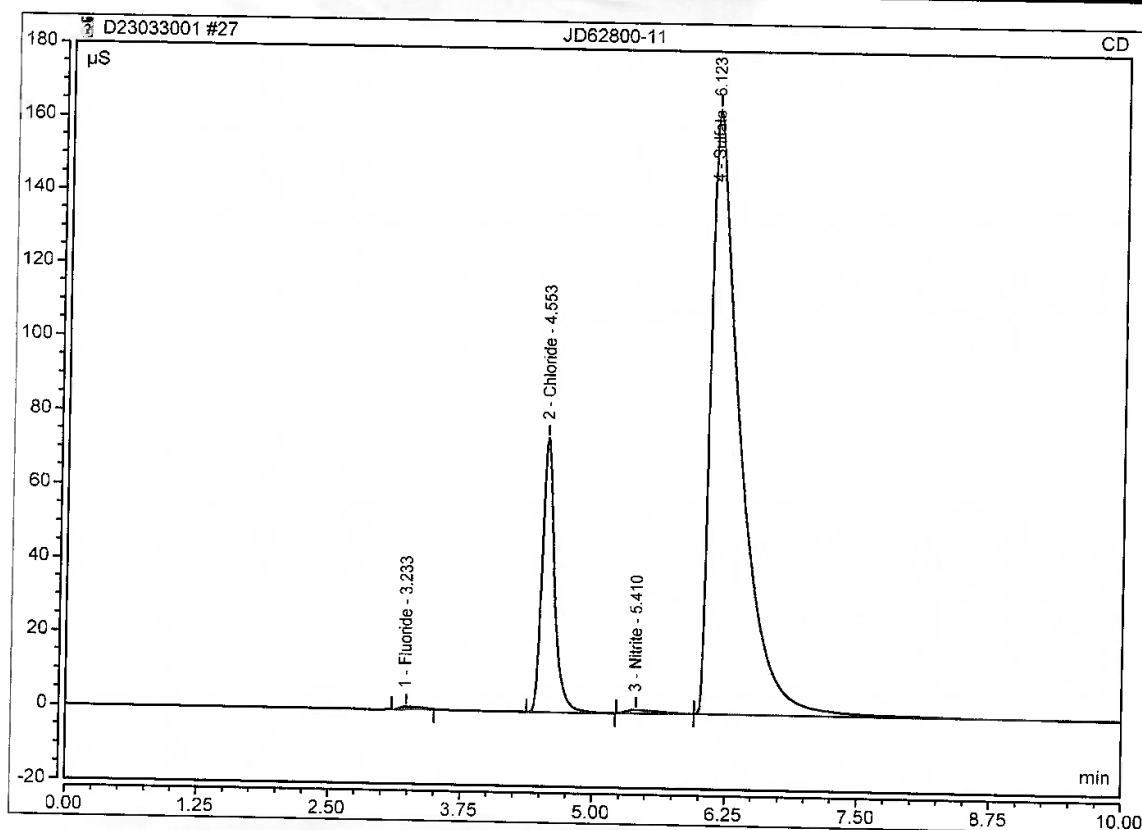
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Instrument: Integrion_1
Sequence: D23033001

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Peak Integration Report

Sample Name:	JD62800-11	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	3.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	30-Mar-2023 / 18:44	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	3.23	Fluoride	BMB	0.147	0.677	1.1787
2	4.55	Chloride	BMB	10.215	74.169	97.1922
3	5.41	Nitrite	BMB	0.311	0.927	6.1083
4	6.12	Sulfate	BMB	53.461	164.136	708.0432
TOTAL:				64.13	239.91	812.52



Anion/Integration

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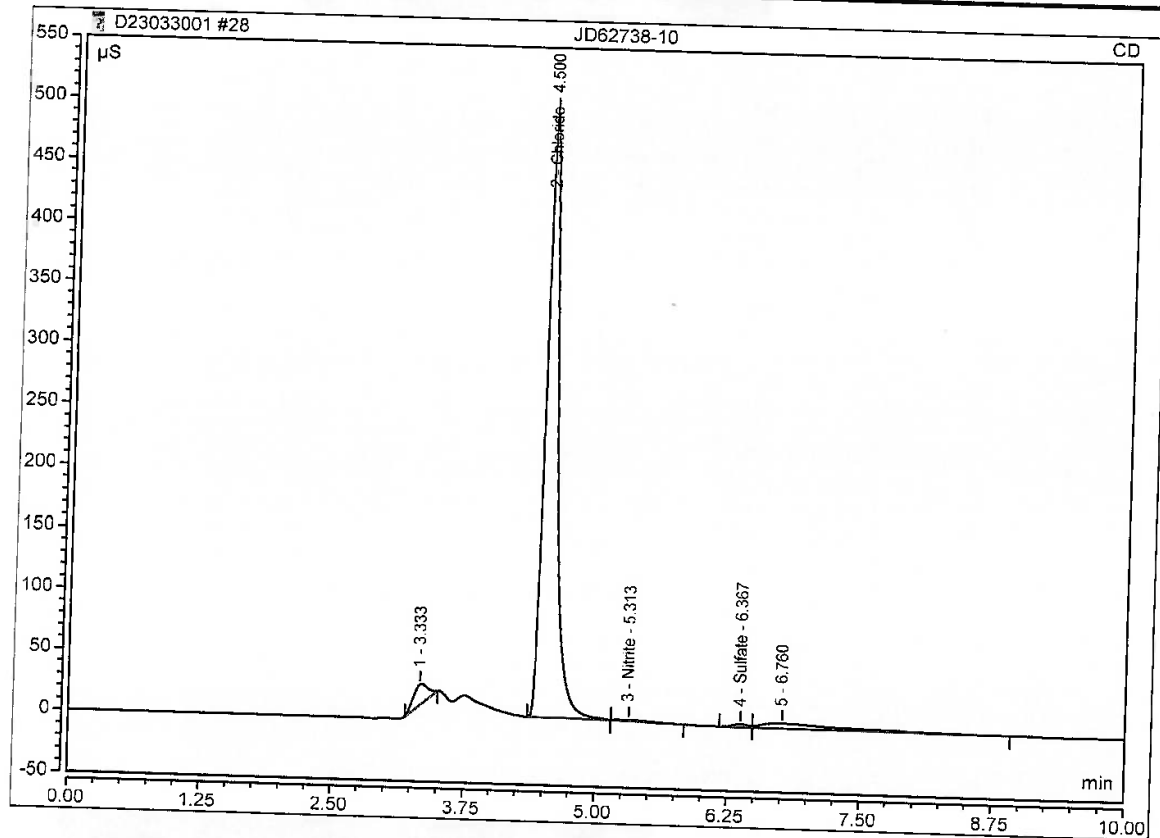
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Instrument: Integrion_1
Sequence: D23033001

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Peak Integration Report

Sample Name:	JD62738-10	Inf. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	5.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Ini. Date / Time:	30-Mar-2023 / 18:57	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount
2	4.50	Chloride	BMB	70.091	492.606	1104.4768
3	5.31	Nitrite	BMB	0.367	1.111	12.0867
4	6.37	Sulfate	BM	0.365	2.429	8.5847
TOTAL:				70.82	496.15	1125.15



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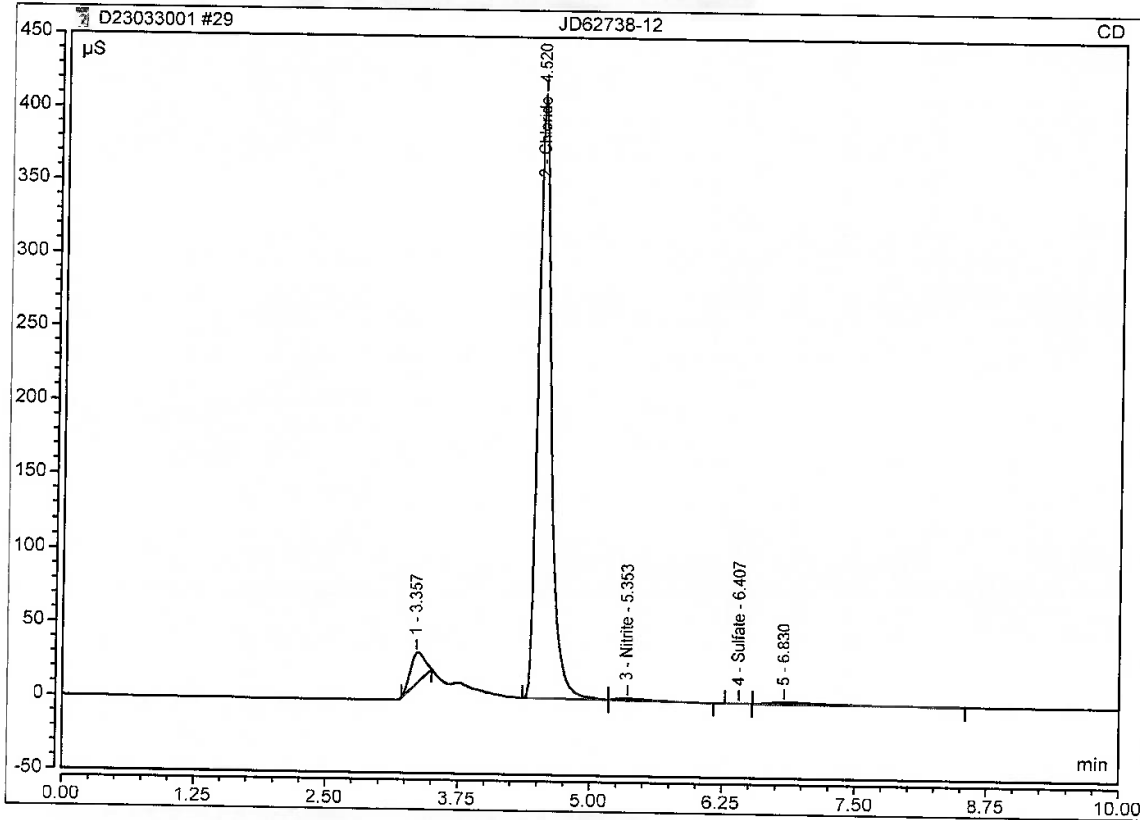
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Sequence: D23033001

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Peak Integration Report

Sample Name:	JD62738-12	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	3.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	30-Mar-2023 / 19:10	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	4.52	Chloride	BMB	58.784	410.315	555.8958
3	5.35	Nitrite	BMB	0.469	1.258	9.3311
4	6.41	Sulfate	BMB	0.007	0.054	0.4159
TOTAL:				59.26	411.63	565.64



Anion/Integration

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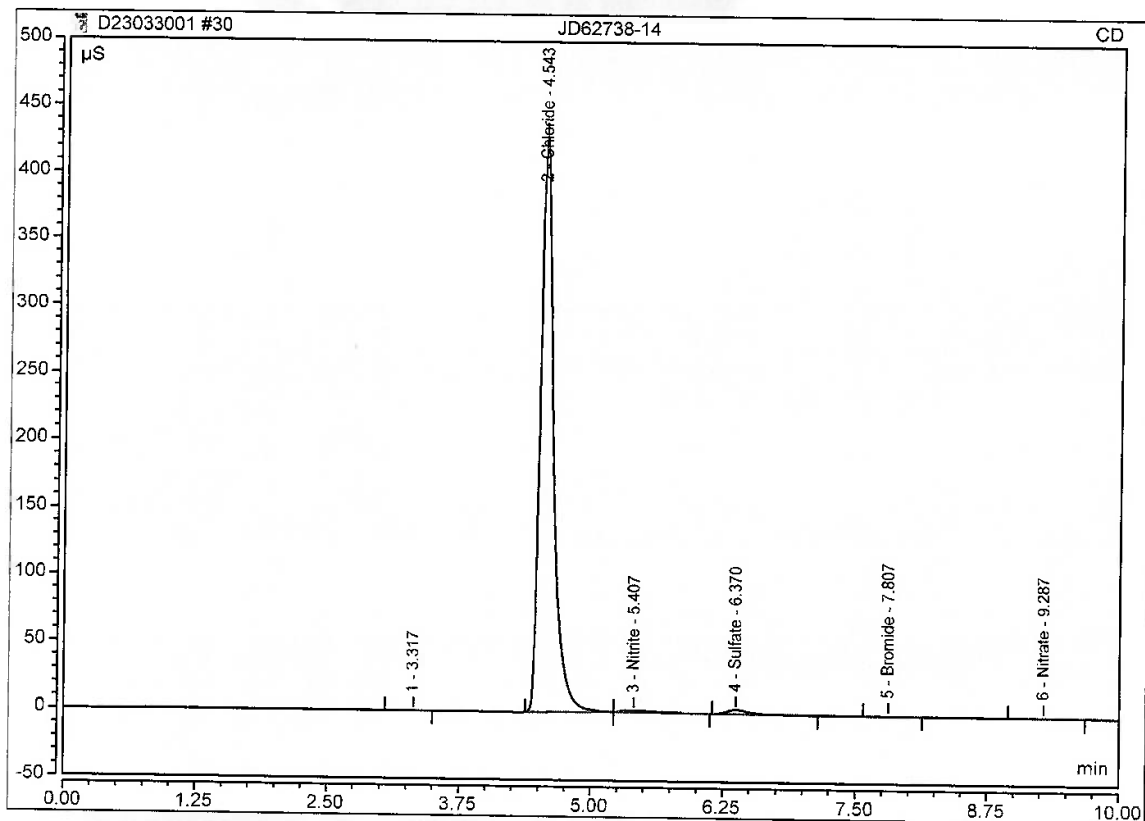
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Instrument: Integrion_1
Sequence: D23033001

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Peak Integration Report

Sample Name:	JD62738-14	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	7.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	30-Mar-2023 / 19:23	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount
2	4.54	Chloride	BMB	62.572	429.260	1380.5725
3	5.41	Nitrite	bMB	0.431	1.149	19.9968
4	6.37	Sulfate	BMB	0.702	3.239	22.4417
5	7.81	Bromide	BMB	0.020	0.108	1.7760
6	9.29	Nitrate	BMB	0.044	0.185	2.1475
TOTAL:				63.77	433.94	1426.93



Anion/Integration

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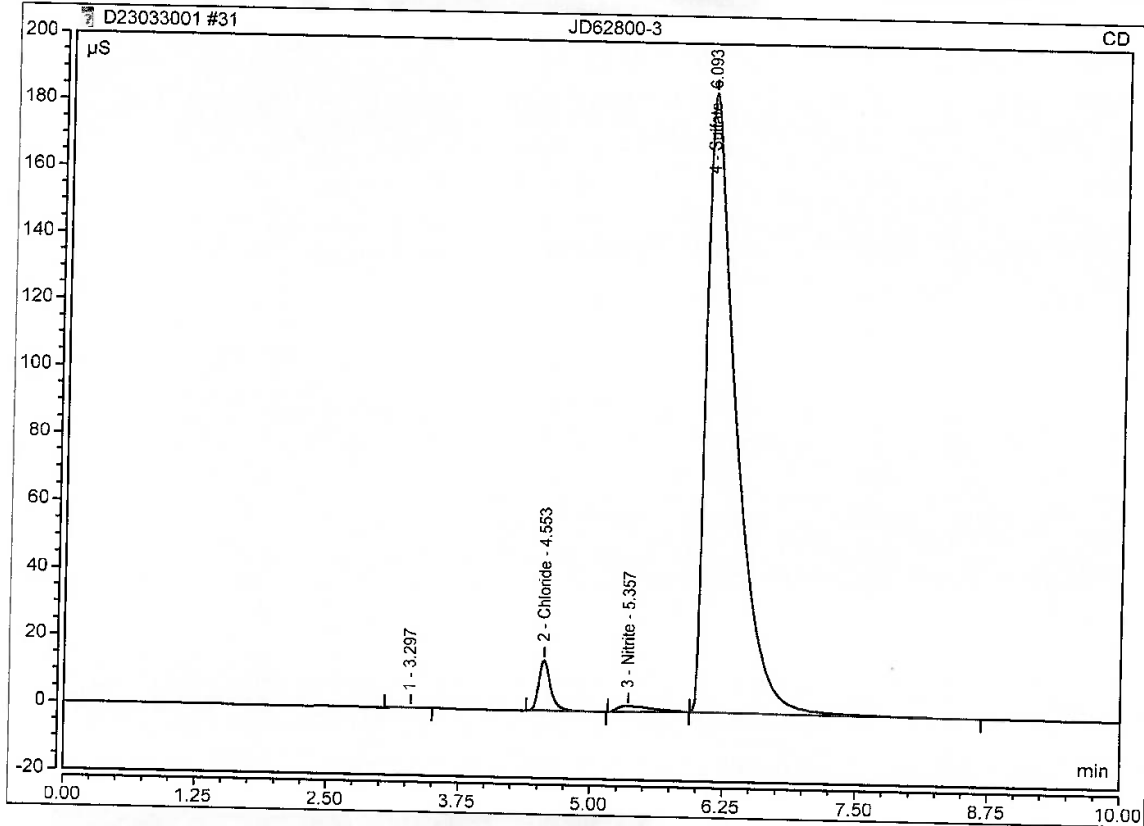
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Instrument: Integrion_1
Sequence: D23033001

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Peak Integration Report

Sample Name:	JD62800-3	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	14.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	30-Mar-2023 / 19:36	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount
2	4.55	Chloride	BMB	1.984	15.071	90.7943
3	5.36	Nitrite	BMB	0.655	1.775	61.4040
4	6.09	Sulfate	BMB	59.342	184.952	3667.5438
TOTAL:				61.98	201.80	3819.74



Anion/Integration

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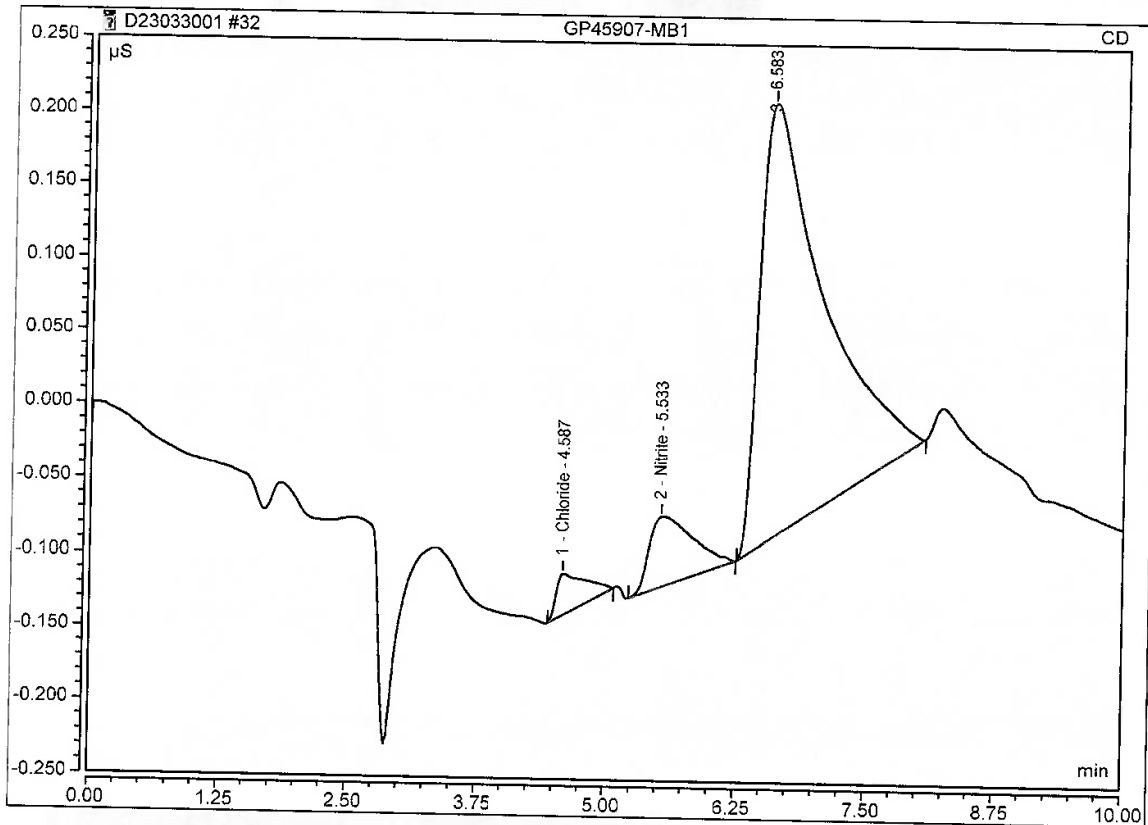
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Instrument: Integrion_1
Sequence: D23033001

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Peak Integration Report

Sample Name:	GP45907-MB1	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	30-Mar-2023 / 19:49	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	4.59	Chloride	BMB	0.009	0.028	0.2682
2	5.53	Nitrite	BMB	0.023	0.047	0.0651
TOTAL:				0.03	0.08	0.33



Anion/Integration

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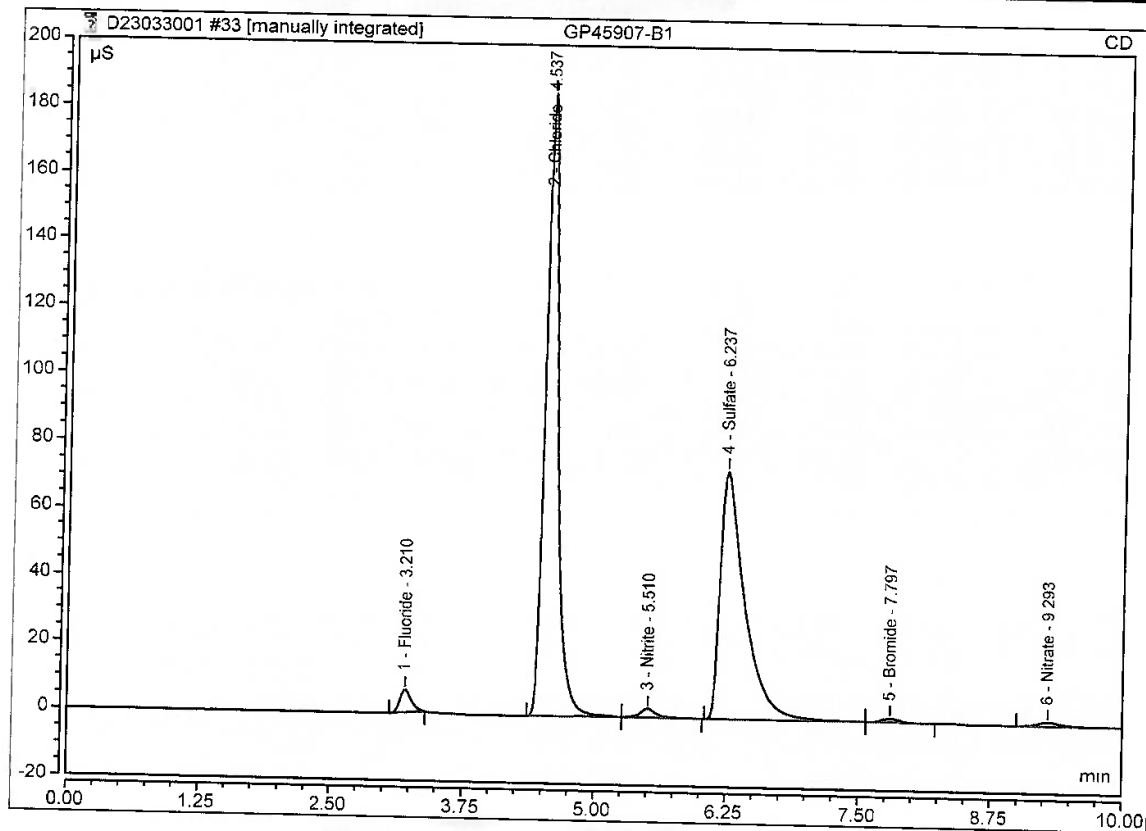
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Instrument: Integrion_1
Sequence: D23033001

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Peak Integration Report

Sample Name:	GP45907-B1	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	30-Mar-2023 / 20:02	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	3.21	Fluoride	BMB*	0.839	6.681	2.0674
2	4.54	Chloride	BMB	26.518	185.575	83.7222
3	5.51	Nitrite	bMB	0.443	2.584	2.9362
4	6.24	Sulfate	BMB	19.687	73.882	86.9828
5	7.80	Bromide	bMB	0.222	1.152	1.9772
6	9.29	Nitrate	BMB	0.287	1.158	2.3569
TOTAL:				48.00	271.03	180.04



Anion/Integration

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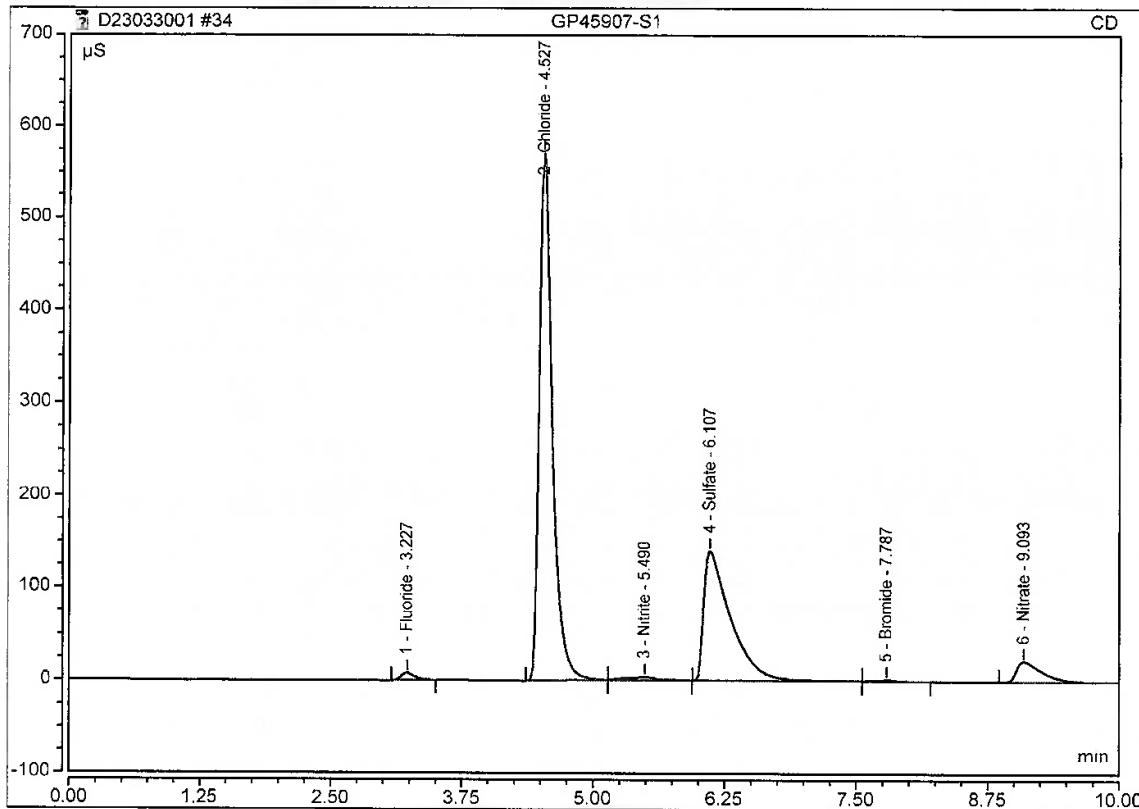
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Sequence: D23033001

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Peak Integration Report

Sample Name:	GP45907-S1	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	30-Mar-2023 / 20:15	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	3.23	Fluoride	BMB	1.056	7.466	2.5904
2	4.53	Chloride	BMB	83.001	571.998	261.5382
3	5.49	Nitrite	bMB	0.999	3.260	6.7292
4	6.11	Sulfate	BMB	40.945	139.656	180.7860
5	7.79	Bromide	bMB	0.249	1.309	2.2106
6	9.09	Nitrate	BMB	5.895	21.513	49.7493
TOTAL:				132.14	745.20	503.60



Anion/Integration

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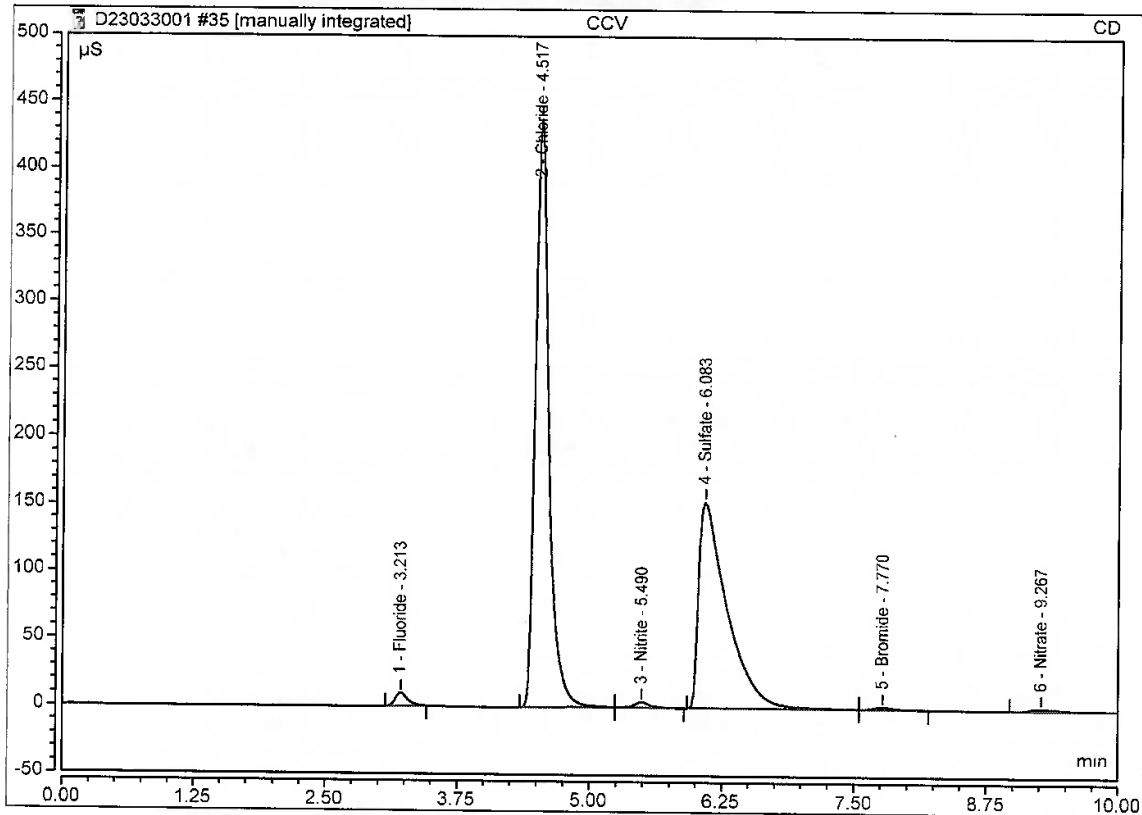
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Sequence: D23033001

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Peak Integration Report

Sample Name:	CCV	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	30-Mar-2023 / 20:28	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount
1	3.21	Fluoride	BMB*	1.341	9.828	3.2801
2	4.52	Chloride	BMB	64.814	438.481	204.2850
3	5.49	Nitrite	bMB	0.628	3.951	4.1958
4	6.08	Sulfate	BMB	47.215	153.438	208.4553
5	7.77	Bromide	bMB	0.346	1.799	3.0420
6	9.27	Nitrate	BMB	0.461	1.813	3.8343
TOTAL:				114.81	609.31	427.09



Anion/Integration

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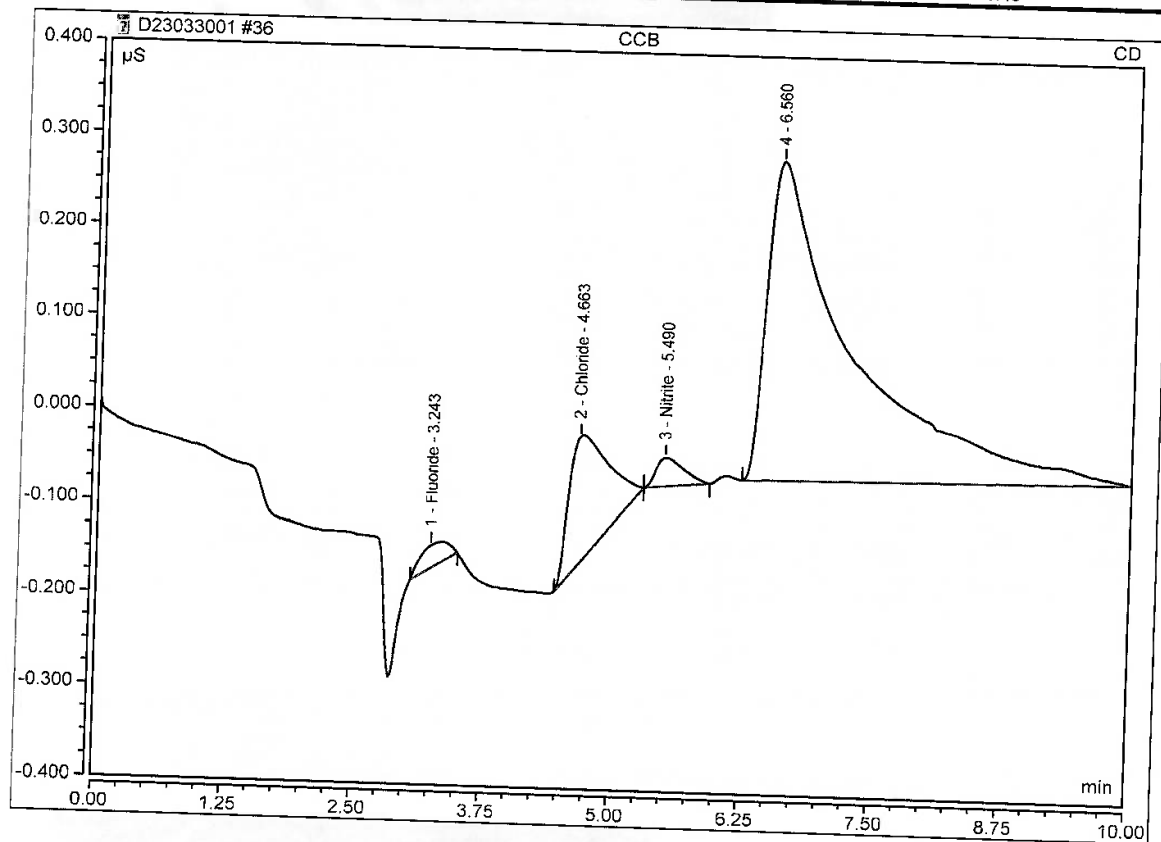
Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D23033001

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Peak Integration Report

Sample Name:	CCB	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	30-Mar-2023 / 20:41	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount
1	3.24	Fluoride	BMB	0.008	0.025	0.0563
2	4.66	Chloride	BMB	0.058	0.139	0.4214
3	5.49	Nitrite	bMB	0.009	0.031	n.a.
TOTAL:				0.07	0.19	0.48



Anion/Integration

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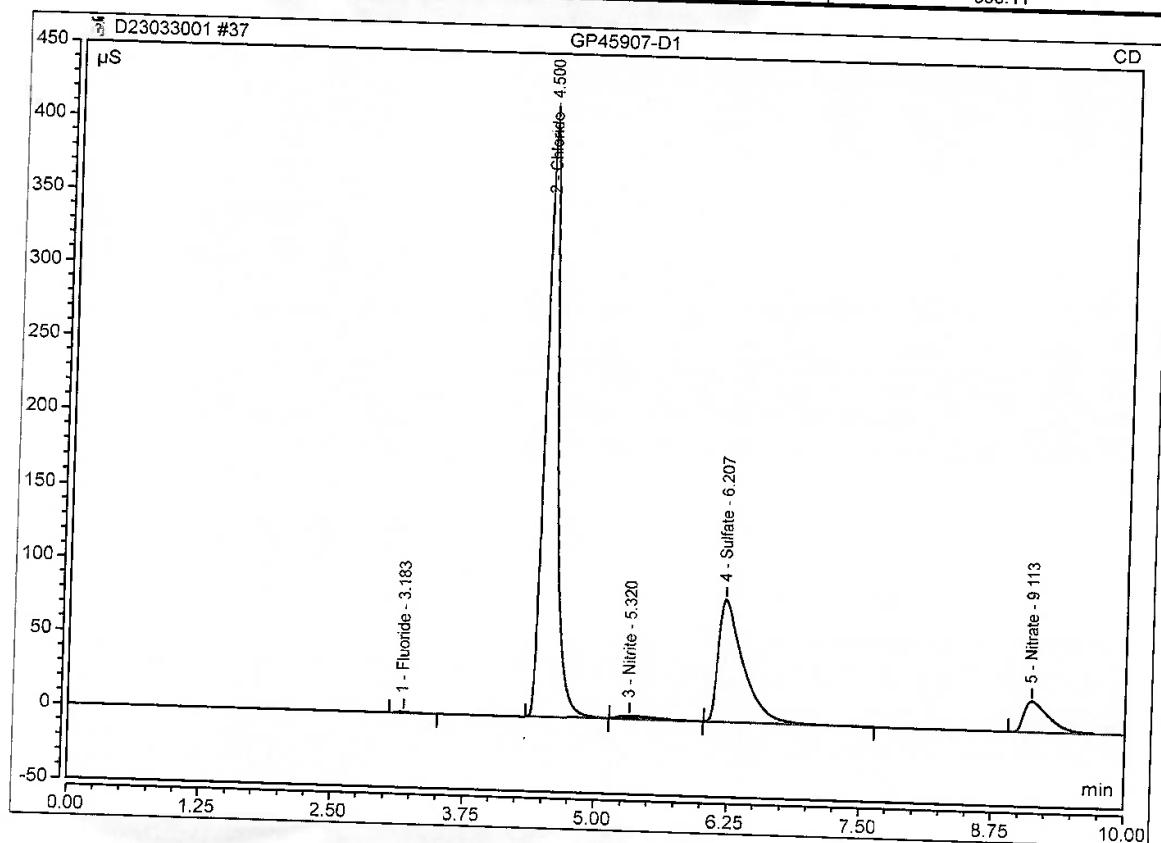
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Instrument: Integron_1
Sequence: D23033001

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Peak Integration Report

Sample Name:	GP45907-D1	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	30-Mar-2023 / 20:54	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount
1	3.18	Fluoride	BMB	0.119	0.801	0.3242
2	4.50	Chloride	BMB	57.823	404.908	182.2758
3	5.32	Nitrite	BMB	0.760	1.910	5.1014
4	6.21	Sulfate	BMB	22.460	82.733	99.2178
5	9.11	Nitrate	BMB	5.710	20.735	48.1870
TOTAL:				86.87	511.09	335.11



Anion/Integration

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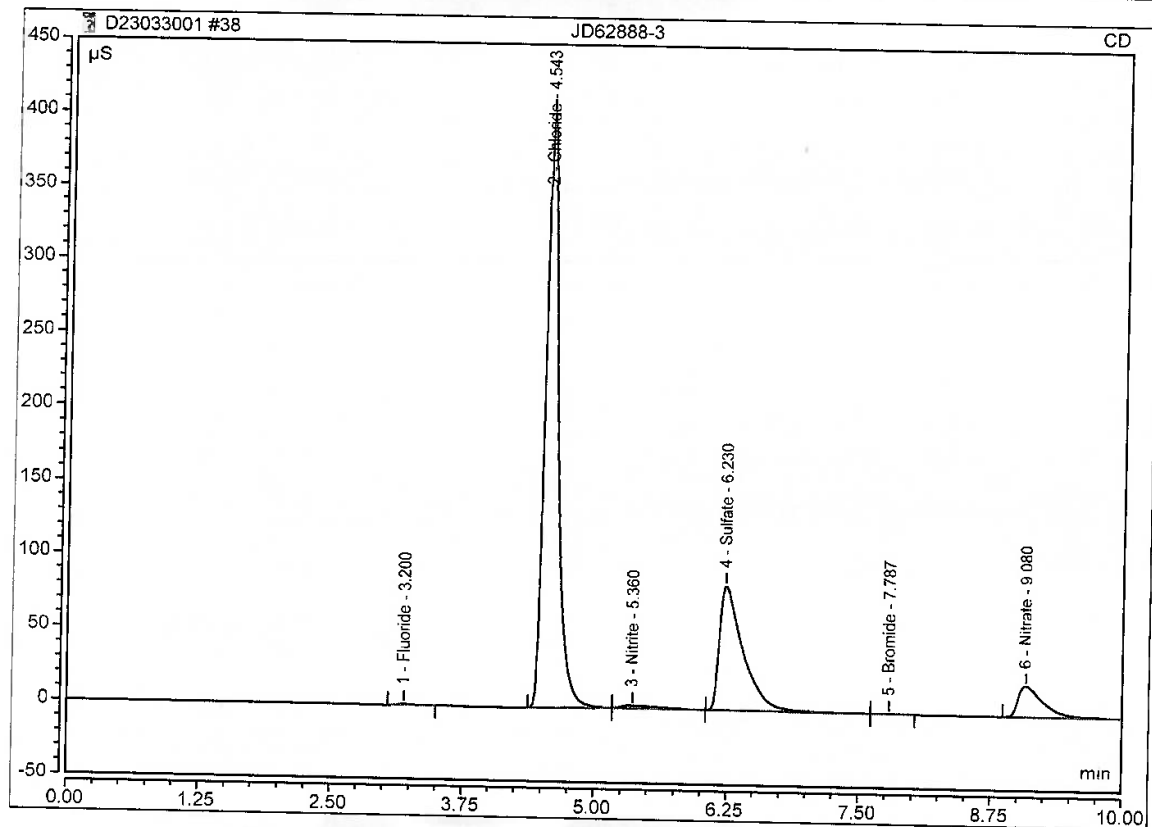
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Instrument: Integrion_1
Sequence: D23033001

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Peak Integration Report

Sample Name:	JD62888-3	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	30-Mar-2023 / 21:07	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	3.20	Fluoride	BMB	0.115	0.794	0.3162
2	4.54	Chloride	BMB	58.088	403.323	183.1095
3	5.36	Nitrite	bMB	0.753	1.896	5.0522
4	6.23	Sulfate	BMB	21.914	84.015	96.8068
5	7.79	Bromide	bMB	0.014	0.079	0.1966
6	9.08	Nitrate	BMB	5.601	20.603	47.2642
TOTAL:				86.48	510.71	332.75



Anion/Integration

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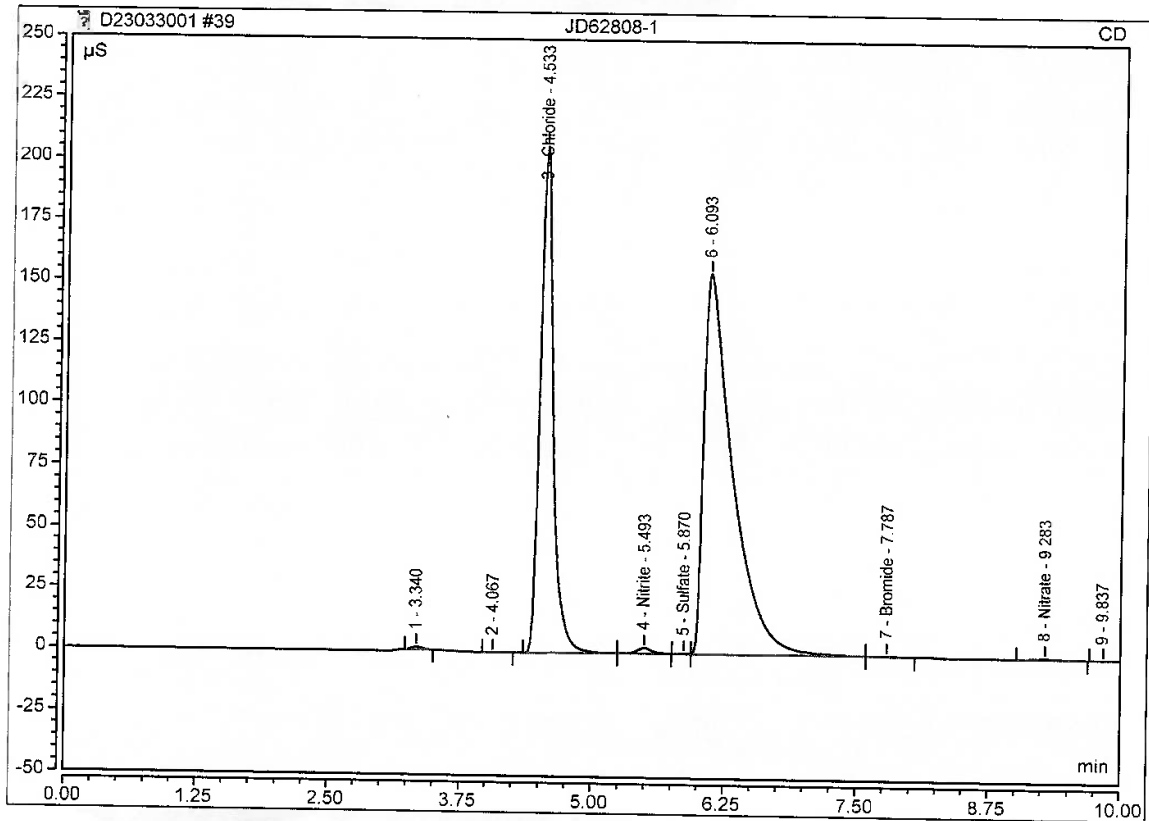
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Instrument: Integrion_1
Sequence: D23033001

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Peak Integration Report

Sample Name:	JD62808-1	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	30-Mar-2023 / 21:20	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount
3	4.53	Chloride	BMB	29.685	206.534	93.6922
4	5.49	Nitrite	bMB	0.358	2.300	2.3579
5	5.87	Sulfate	BM	0.025	0.238	0.2167
7	7.79	Bromide	bMB	0.029	0.161	0.3268
8	9.28	Nitrate	BMB	0.094	0.370	0.7278
TOTAL:				30.19	209.60	97.32



Anion/Integration

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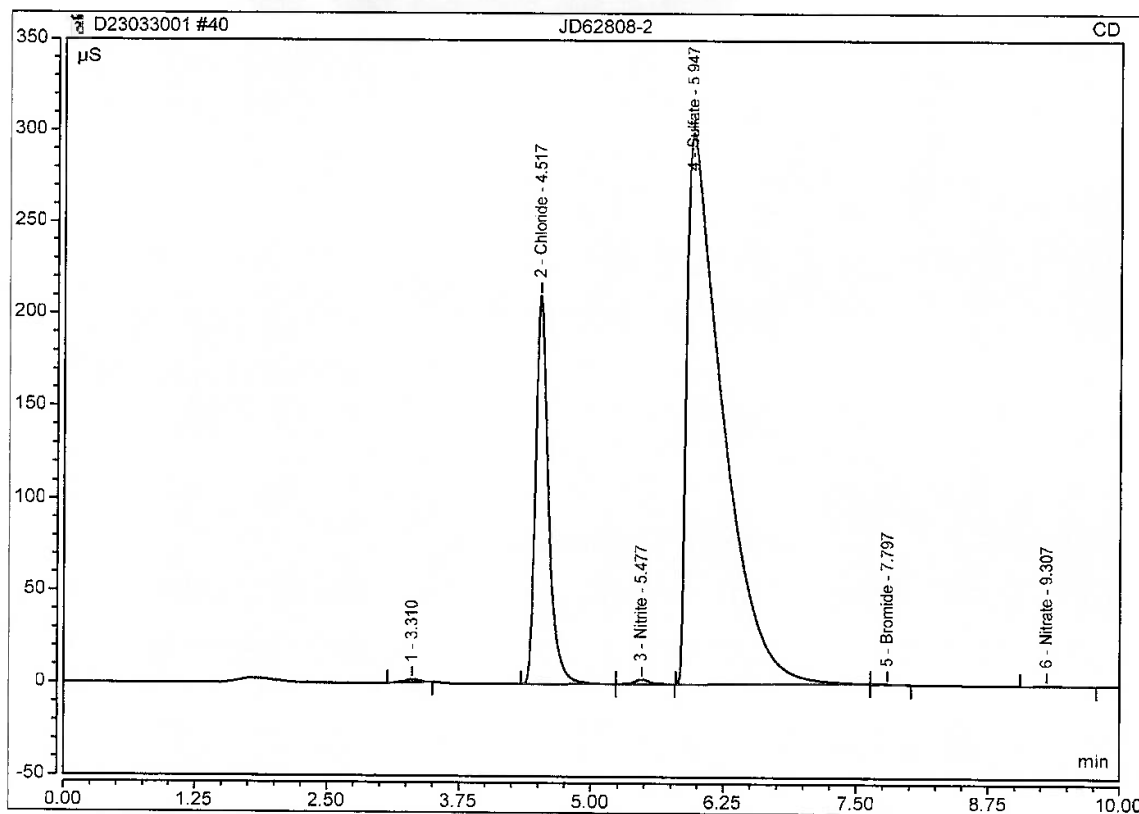
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Instrument: Integrion_1
Sequence: D23033001

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Peak Integration Report

Sample Name:	JD62808-2	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	30-Mar-2023 / 21:33	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount
2	4.52	Chloride	BMb	30.199	210.482	95.3118
3	5.48	Nitrite	bMB	0.400	2.529	2.6415
4	5.95	Sulfate	BMb	117.252	299.371	517.5084
5	7.80	Bromide	bMB	0.025	0.148	0.2907
6	9.31	Nitrate	BMb	0.098	0.402	0.7652
TOTAL:				147.97	512.93	616.52



Anion/Integration

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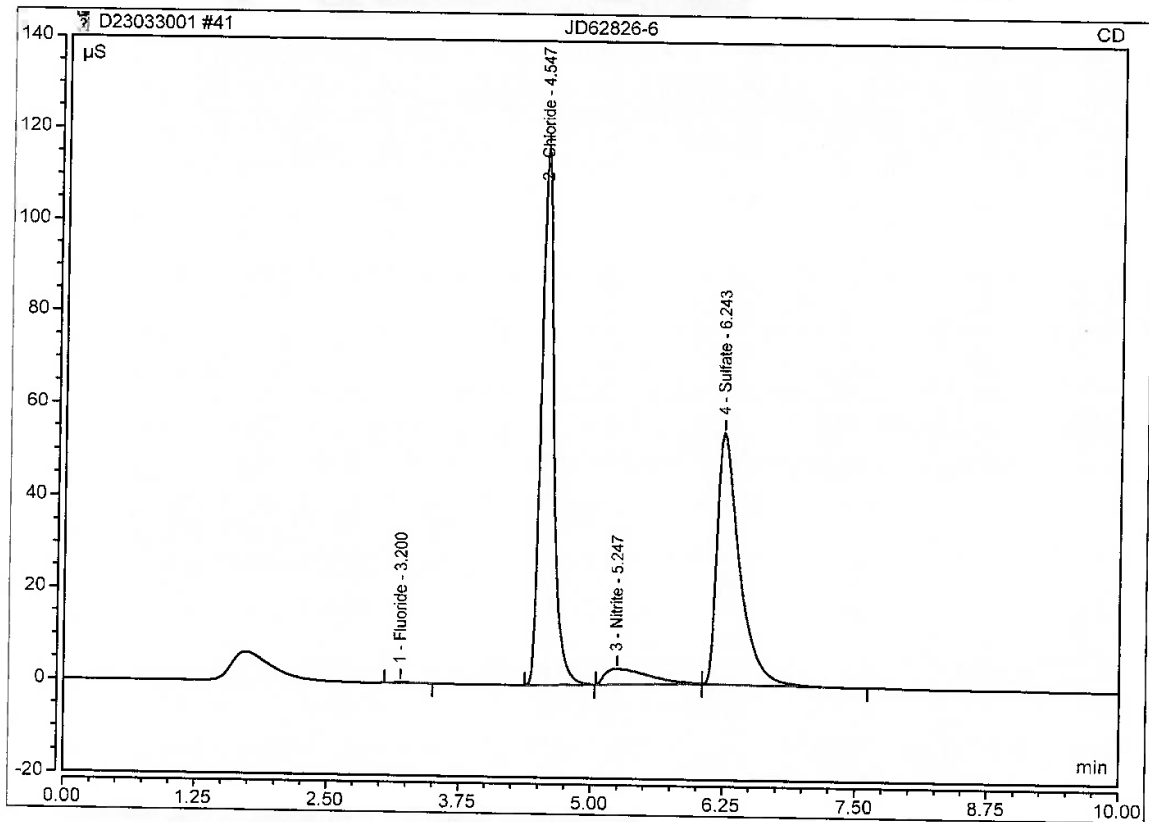
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Instrument: Integrion_1
Sequence: D23033001

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Peak Integration Report

Sample Name:	JD62826-6	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	30-Mar-2023 / 21:46	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	3.20	Fluoride	BMB	0.033	0.173	0.1174
2	4.55	Chloride	BMB	16.220	117.268	51.3018
3	5.25	Nitrite	BMB	1.638	3.442	11.0953
4	6.24	Sulfate	bMB	13.315	54.439	58.8646
TOTAL:				31.21	175.32	121.38



Anion/Integration

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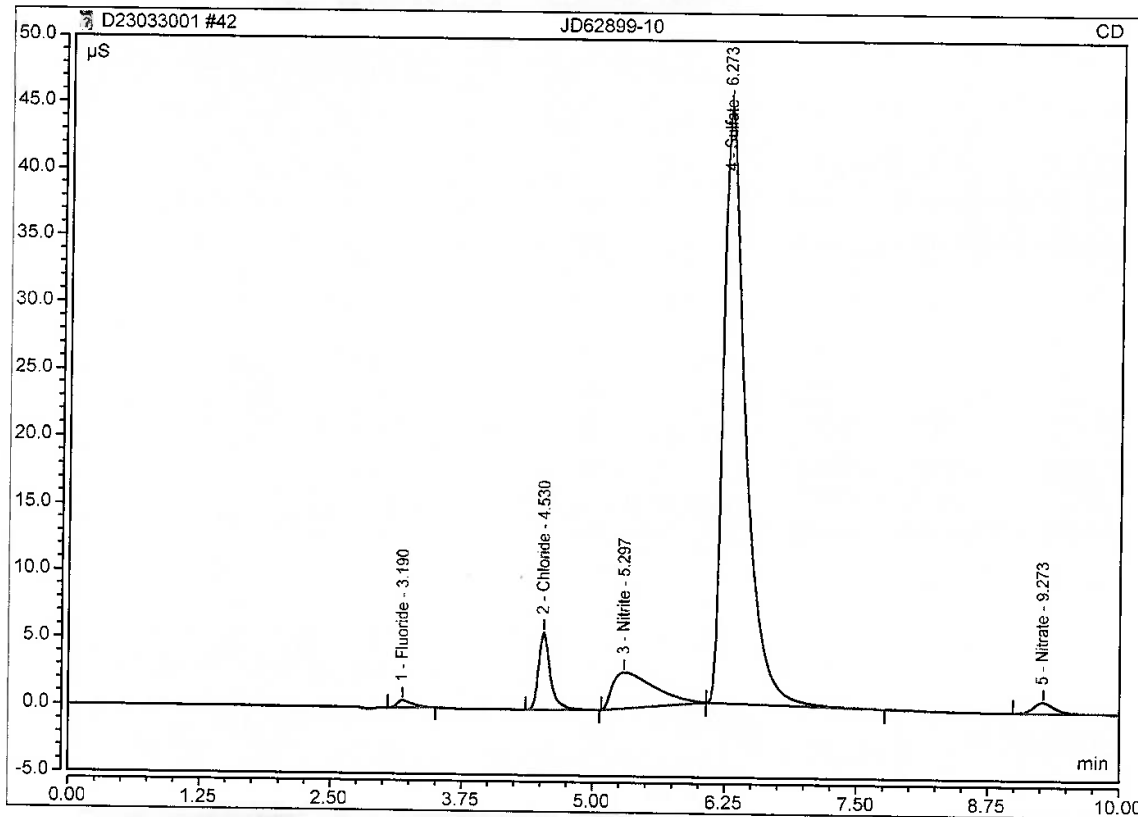
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Instrument: Integrion_1
Sequence: D23033001

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Peak Integration Report

Sample Name:	JD62899-10	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	30-Mar-2023 / 21:59	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount
1	3.19	Fluoride	BMB	0.083	0.514	0.2373
2	4.53	Chloride	BMB	0.739	5.702	2.5677
3	5.30	Nitrite	BMB	1.214	2.660	8.2021
4	6.27	Sulfate	bMB	10.800	44.474	47.7663
5	9.27	Nitrate	BMB	0.185	0.798	1.4960
TOTAL:				13.02	54.15	60.27



Anion/Integration

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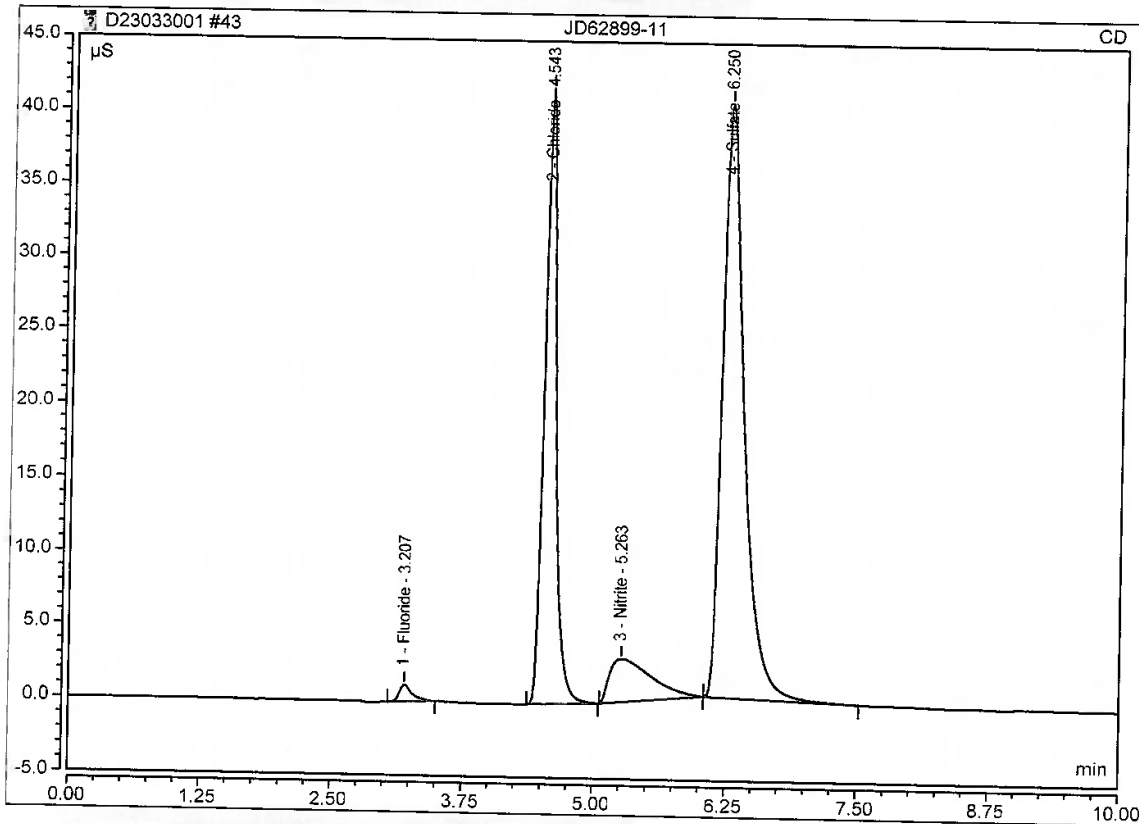
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Instrument: Integrion_1
Sequence: D23033001

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Peak Integration Report

Sample Name:	JD62899-11	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	30-Mar-2023 / 22:12	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	3.21	Fluoride	BMB	0.158	1.123	0.4197
2	4.54	Chloride	BMB	5.504	41.875	17.5668
3	5.26	Nitrite	BMB	1.332	2.931	9.0030
4	6.25	Sulfate	bMB	9.594	40.347	42.4453
TOTAL:				16.59	86.28	69.43



Anion/Integration

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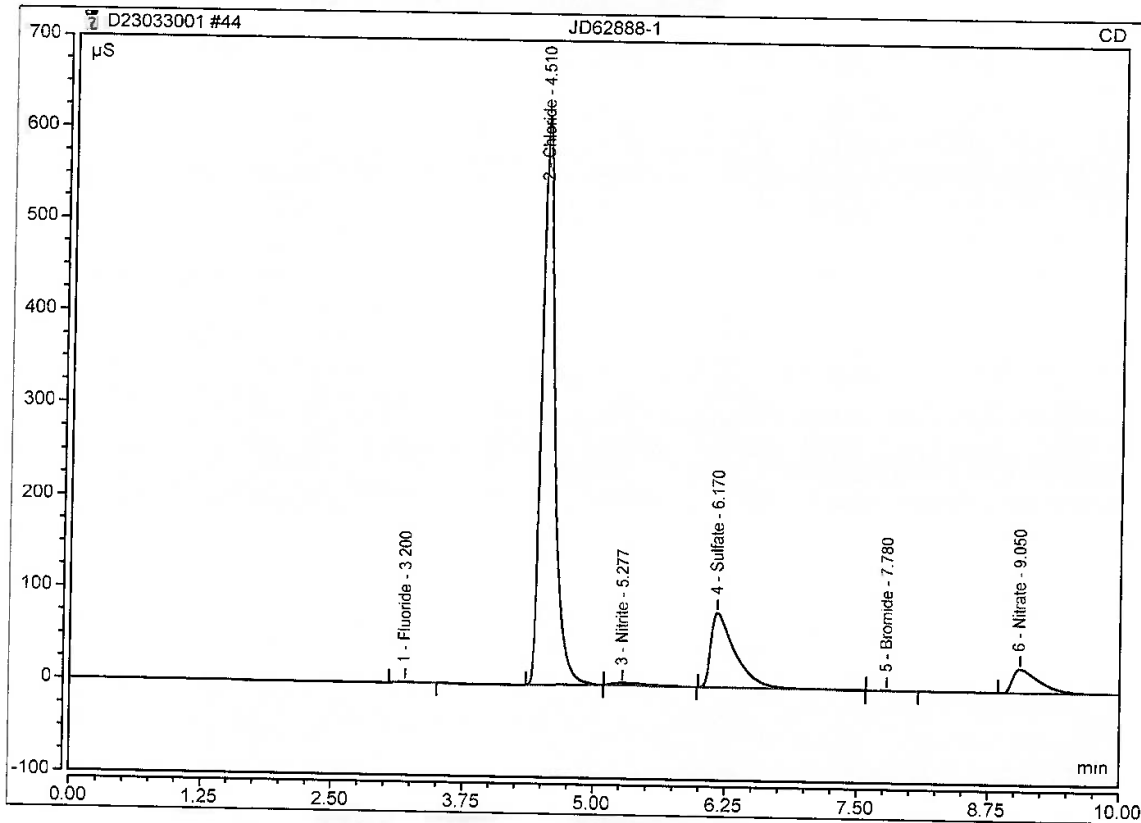
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Sequence: D23033001

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Peak Integration Report

Sample Name:	JD62888-1	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	30-Mar-2023 / 22:25	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount
1	3.20	Fluoride	BMB	0.152	1.062	0.4042
2	4.51	Chloride	BMB	89.886	617.599	283.2152
3	5.28	Nitrite	BMB	0.857	2.154	5.7599
4	6.17	Sulfate	BMB	21.167	81.095	93.5124
5	7.78	Bromide	BMB	0.041	0.231	0.4328
6	9.05	Nitrate	BMB	7.371	25.542	62.2191
TOTAL:				119.47	727.68	445.54



Anion/Integration

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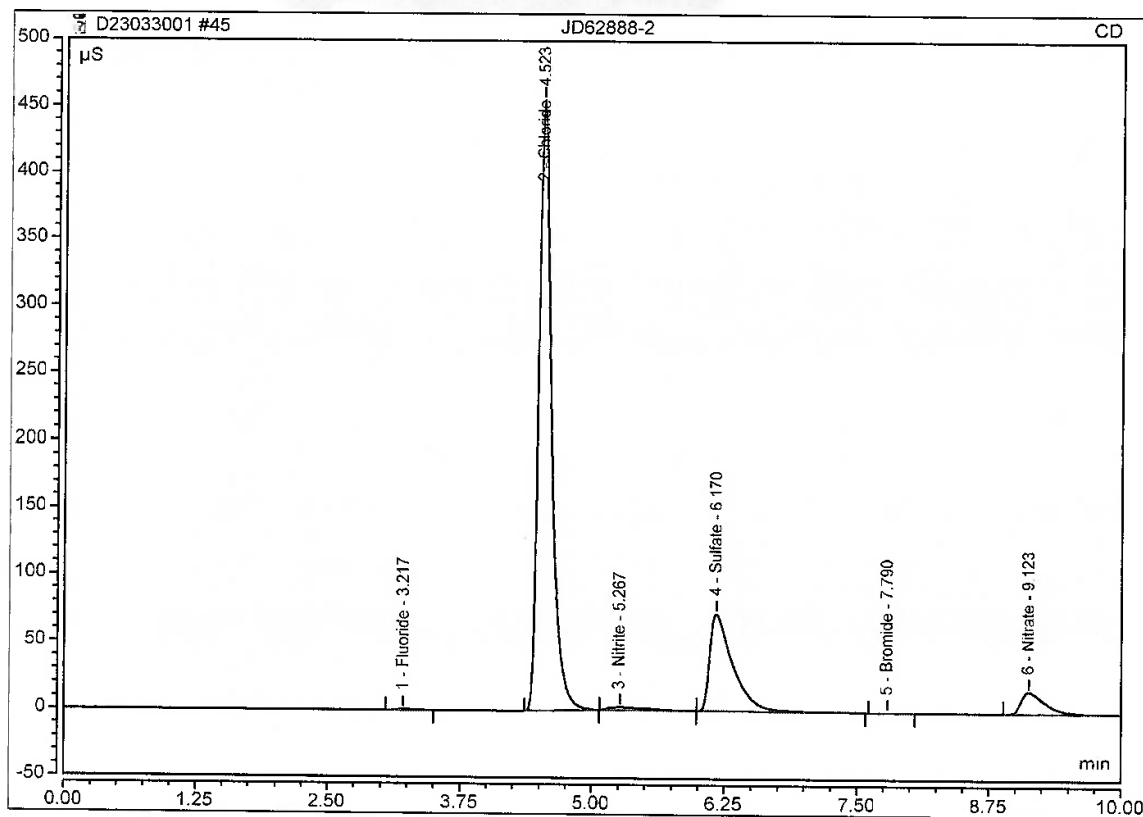
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Instrument: Integrion_1
Sequence: D23033001

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Peak Integration Report

Sample Name:	JD62888-2	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	30-Mar-2023 / 22:39	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	3.22	Fluoride	BMB	0.102	0.716	0.2851
2	4.52	Chloride	BMB	64.042	455.509	201.8523
3	5.27	Nitrite	BMB	0.994	2.383	6.6976
4	6.17	Sulfate	BMB	18.084	72.087	79.9065
5	7.79	Bromide	BMB	0.018	0.106	0.2365
6	9.12	Nitrate	BMB	4.288	16.415	36.1686
TOTAL:				87.53	547.22	325.15



Anion/Integration

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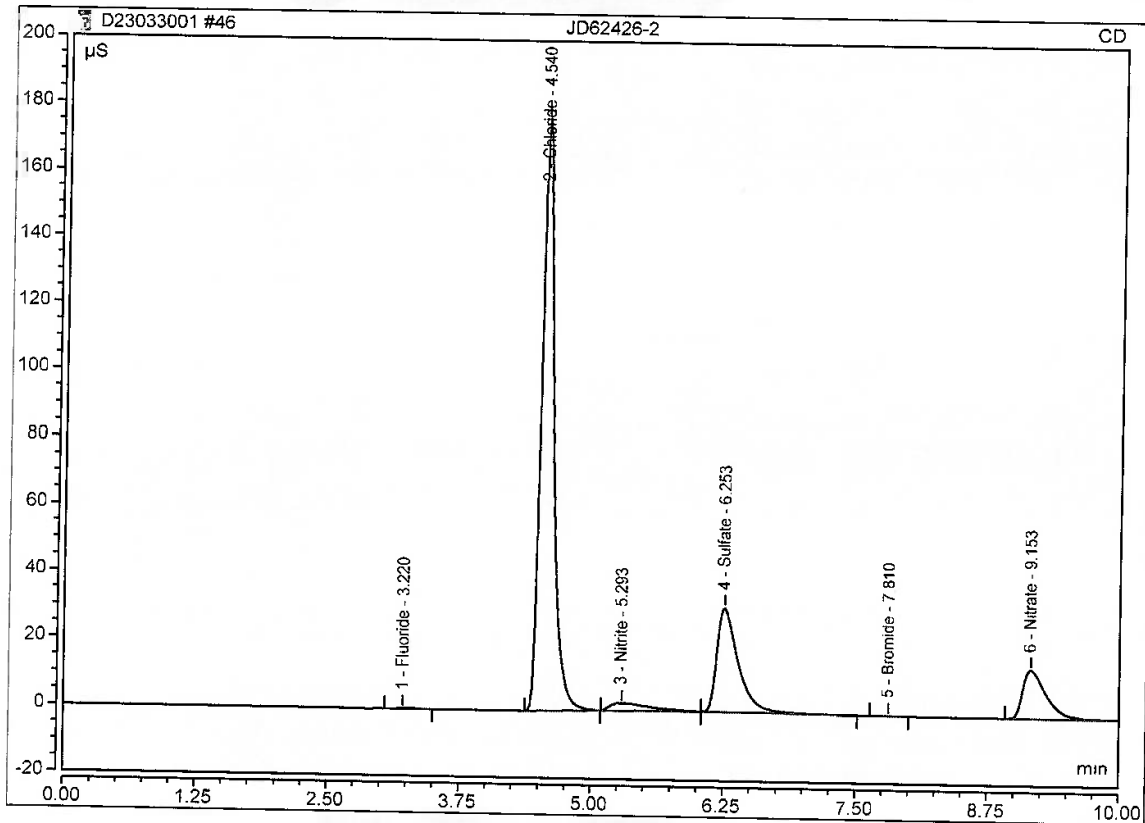
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Sequence: D23033001

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Peak Integration Report

Sample Name:	JD62426-2	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	30-Mar-2023 / 22:51	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	3.22	Fluoride	BMB	0.032	0.181	0.1147
2	4.54	Chloride	BMB	24.362	176.958	76.9359
3	5.29	Nitrite	BMB	0.970	2.261	6.5314
4	6.25	Sulfate	bMB	7.167	30.972	31.7343
5	7.81	Bromide	BMB	0.003	0.021	0.1074
6	9.15	Nitrate	BMB	3.654	14.342	30.8104
TOTAL:				36.19	224.73	146.23



Anion/Integration

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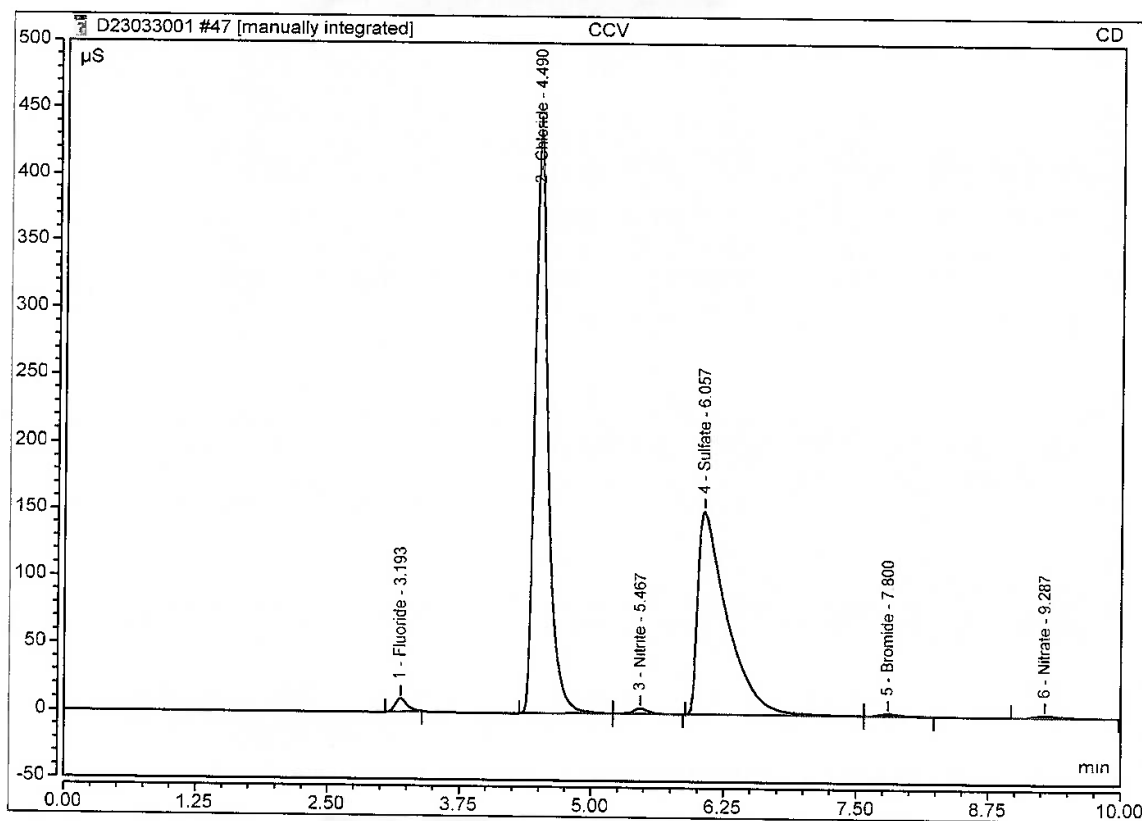
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Sequence: D23033001

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Peak Integration Report

Sample Name:	CCV	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	30-Mar-2023 / 23:04	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount
1	3.19	Fluoride	BMB*	1.258	9.686	3.0794
2	4.49	Chloride	BMB	64.034	435.398	201.8292
3	5.47	Nitrite	bMB	0.623	3.923	4.1645
4	6.06	Sulfate	BMB	48.098	151.344	212.3488
5	7.80	Bromide	bMB	0.343	1.757	3.0167
6	9.29	Nitrate	BMB	0.459	1.831	3.8118
TOTAL:				114.81	603.94	428.25



Anion/Integration

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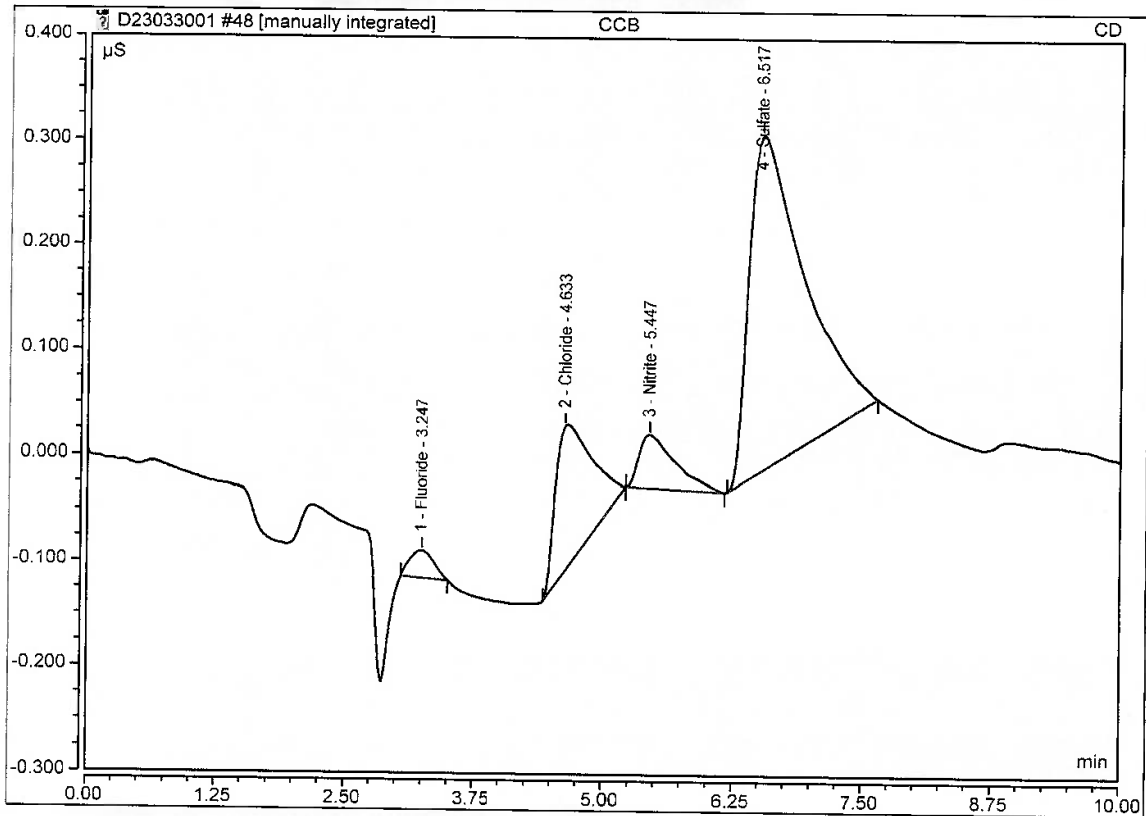
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Peak Integration Report

Sample Name:	CCB	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	30-Mar-2023 / 23:17	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	3.25	Fluoride	BMB	0.007	0.026	0.0548
2	4.63	Chloride	BMB	0.054	0.137	0.4090
3	5.45	Nitrite	bMB	0.020	0.050	0.0486
4	6.52	Sulfate	BMB*	0.196	0.319	0.9722
TOTAL:				0.28	0.53	1.48



Anion/Integration

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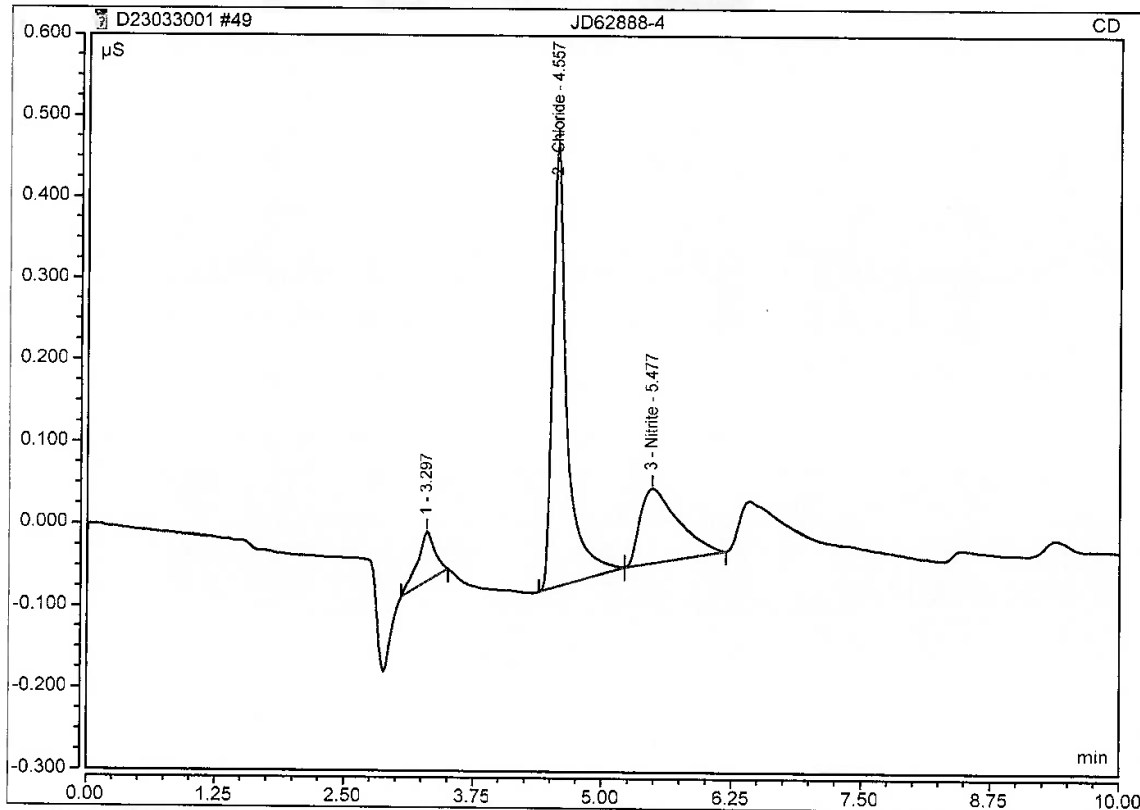
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Sequence: D23033001

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Peak Integration Report

Sample Name:	JD62888-4	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	30-Mar-2023 / 23:30	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	4.56	Chloride	BMB	0.087	0.544	0.5142
3	5.48	Nitrite	bMB	0.038	0.090	0.1709
TOTAL:				0.13	0.63	0.69



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9

Anion/Integration

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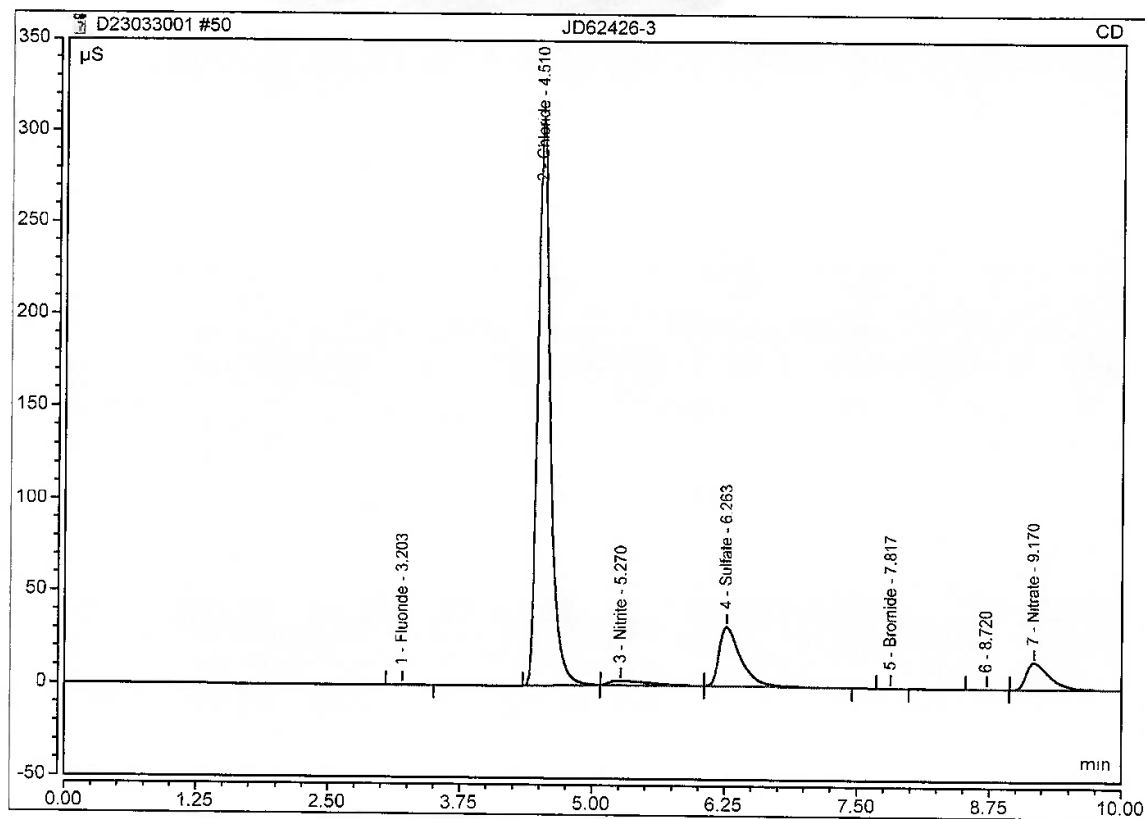
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Instrument: Integrion_1
Sequence: D23033001

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Peak Integration Report

Sample Name:	JD62426-3	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	30-Mar-2023 / 23:43	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	3.20	Fluoride	BMB	0.027	0.150	0.1023
2	4.51	Chloride	BMB	42.725	308.972	134.7448
3	5.27	Nitrite	BMB	1.013	2.312	6.8259
4	6.26	Sulfate	BMB	7.498	32.048	33.1919
5	7.82	Bromide	BMB	0.002	0.016	0.0992
7	9.17	Nitrate	BMB	3.623	14.298	30.5518
TOTAL:				54.89	357.80	205.52



Anion/Integration

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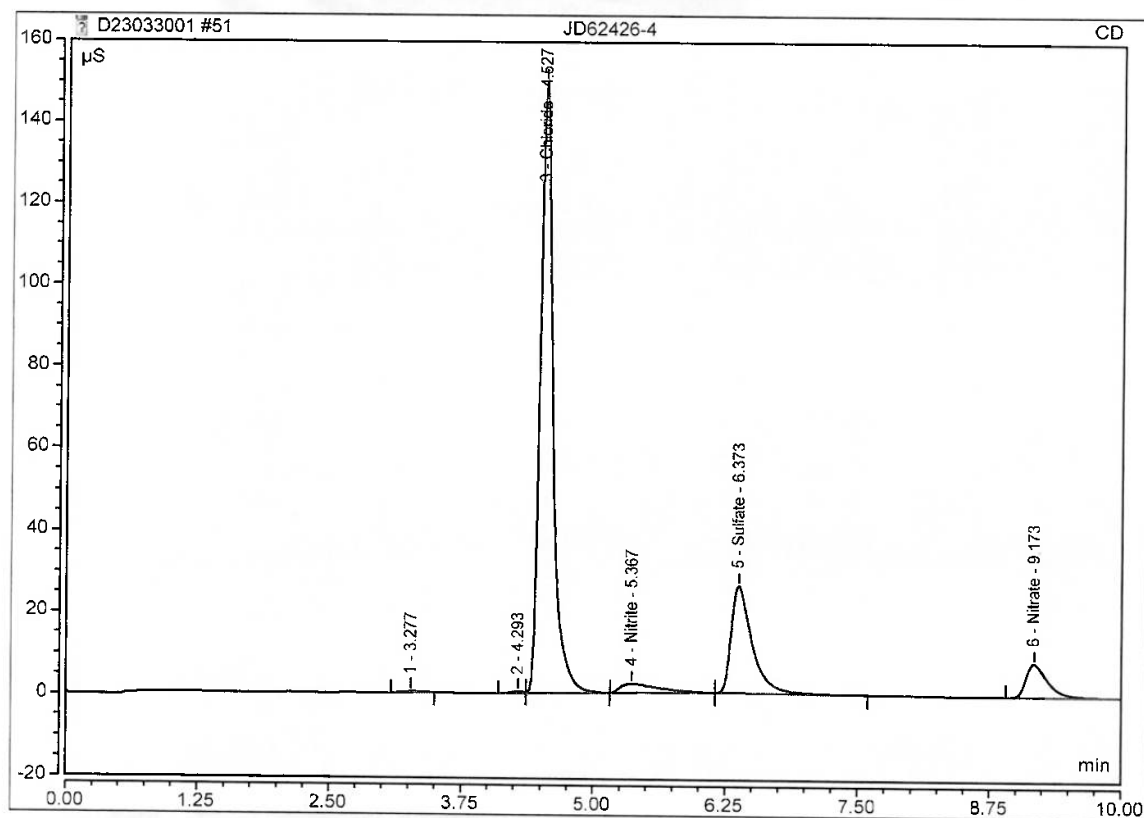
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Peak Integration Report

Sample Name:	JD62426-4	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	31-Mar-2023 / 13:46	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount
3	4.53	Chloride	MB	20.933	149.473	66.1383
4	5.37	Nitrite	BMB	0.940	2.137	6.3261
5	6.37	Sulfate	bMB	6.017	26.139	26.6584
6	9.17	Nitrate	BMB	1.961	8.032	16.5025
TOTAL:				29.85	185.78	115.63



Anion/Integration

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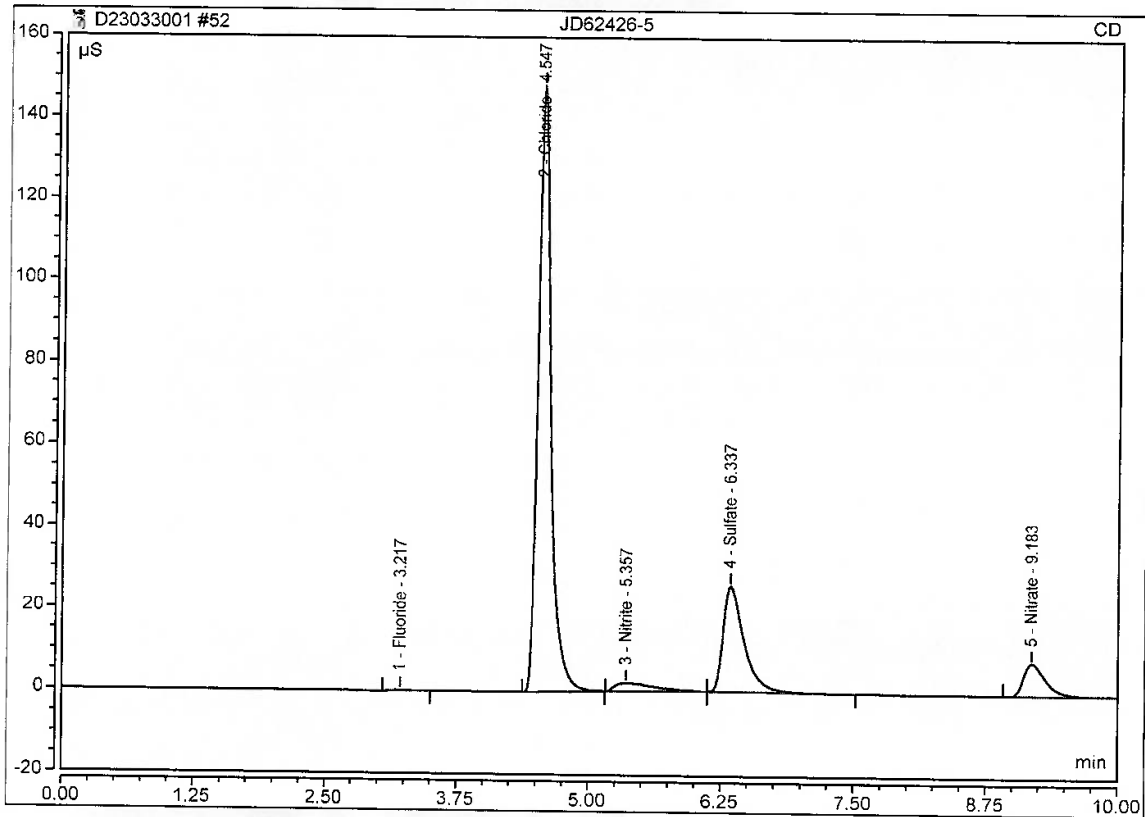
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Instrument: Integrion_1
Sequence: D23033001

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Peak Integration Report

Sample Name:	JD62426-5	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	31-Mar-2023 / 13:59	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount
1	3.22	Fluoride	BMB	0.035	0.196	0.1223
2	4.55	Chloride	BMB	20.944	148.185	66.1731
3	5.36	Nitrite	BMB	0.877	2.050	5.9004
4	6.34	Sulfate	bMB	5.877	25.761	26.0409
5	9.18	Nitrate	BMB	1.958	8.001	16.4836
TOTAL:				29.69	184.19	114.72



Anion/Integration

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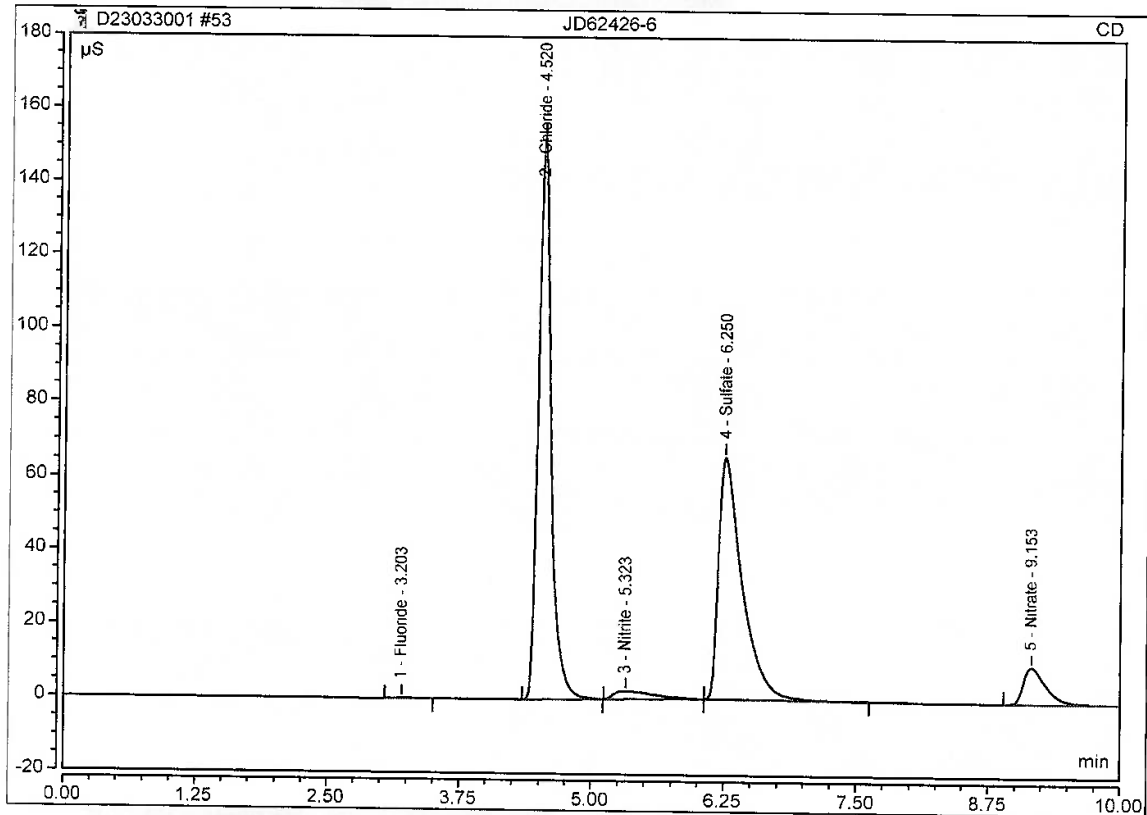
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Instrument: Integrion_1
Sequence: D23033001

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Peak Integration Report

Sample Name:	JD62426-6	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	31-Mar-2023 / 14:12	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	3.20	Fluoride	BMB	0.030	0.181	0.1101
2	4.52	Chloride	BMB	21.599	152.627	68.2371
3	5.32	Nitrite	BMB	0.962	2.231	6.4786
4	6.25	Sulfate	bMB	16.966	65.826	74.9741
5	9.15	Nitrate	BMB	2.500	9.981	21.0568
TOTAL:				42.06	230.85	170.86



Anion/Integration

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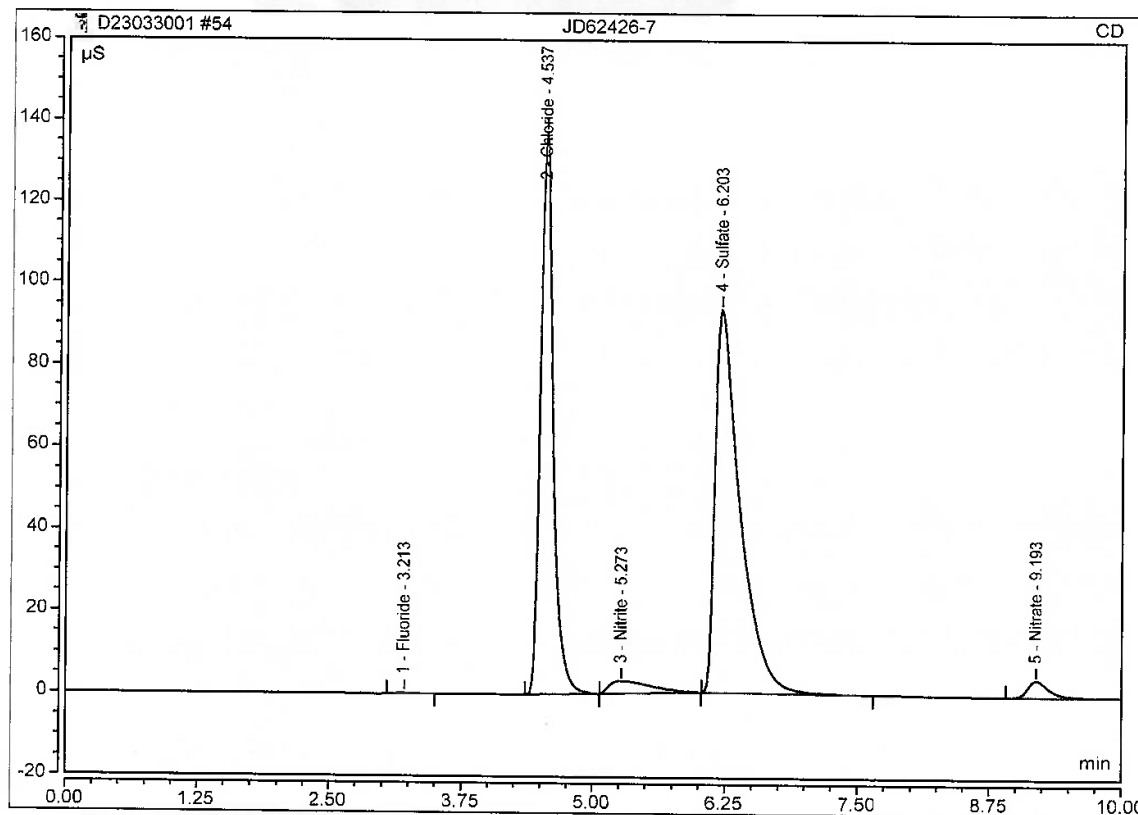
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Instrument: Integrion_1
Sequence: D23033001

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Peak Integration Report

Sample Name:	JD62426-7	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	31-Mar-2023 / 14:25	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	3.21	Fluoride	BMB	0.038	0.218	0.1306
2	4.54	Chloride	BMB	19.115	137.514	60.4161
3	5.27	Nitrite	BMB	1.387	3.019	9.3826
4	6.20	Sulfate	BMB	25.424	93.359	112.2960
5	9.19	Nitrate	BMB	0.950	4.063	7.9657
TOTAL:				46.91	238.17	190.19



Anion/Integration

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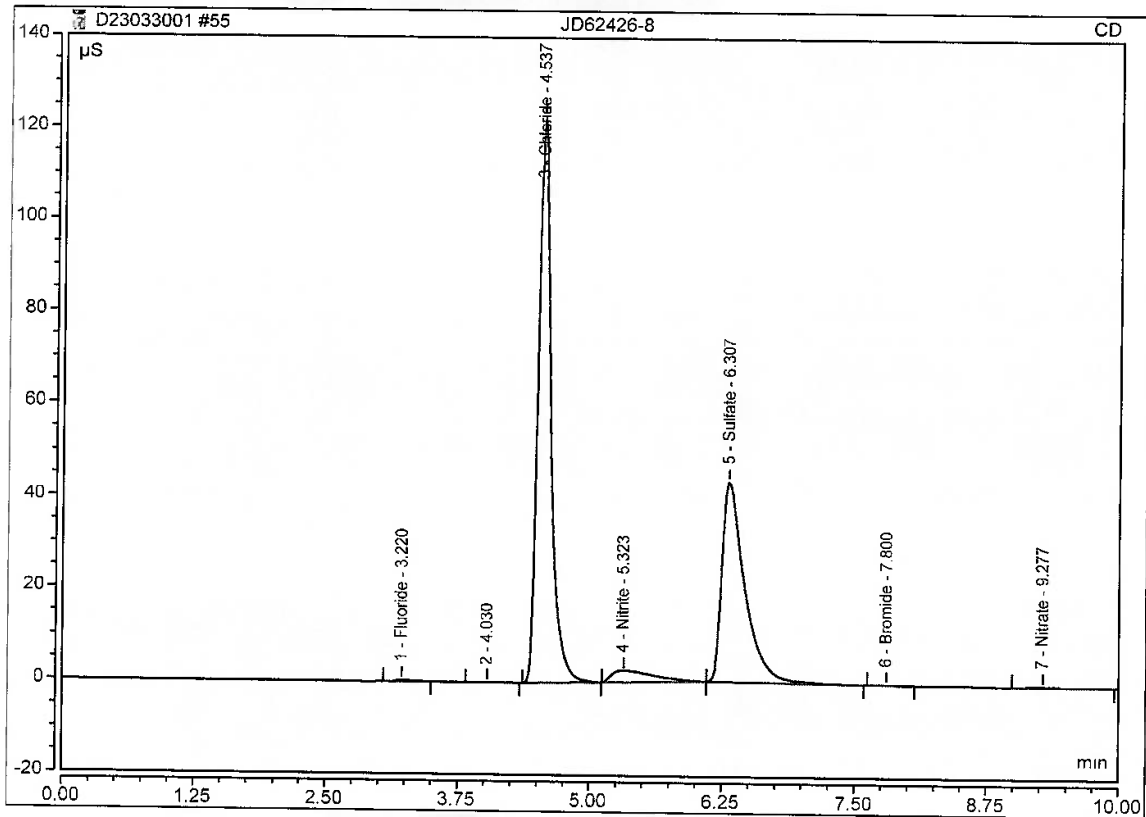
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Sequence: D23033001

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Peak Integration Report

Sample Name:	JD62426-8	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	31-Mar-2023 / 14:38	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount
1	3.22	Fluoride	BMB	0.047	0.293	0.1522
3	4.54	Chloride	BMB	17.288	122.822	54.6638
4	5.32	Nitrite	BMB	1.098	2.448	7.4110
5	6.31	Sulfate	bMB	10.708	43.460	47.3575
6	7.80	Bromide	BMB	0.007	0.039	0.1394
7	9.28	Nitrate	BMB	0.036	0.149	0.2414
TOTAL:				29.18	169.21	109.97



Anion/Integration

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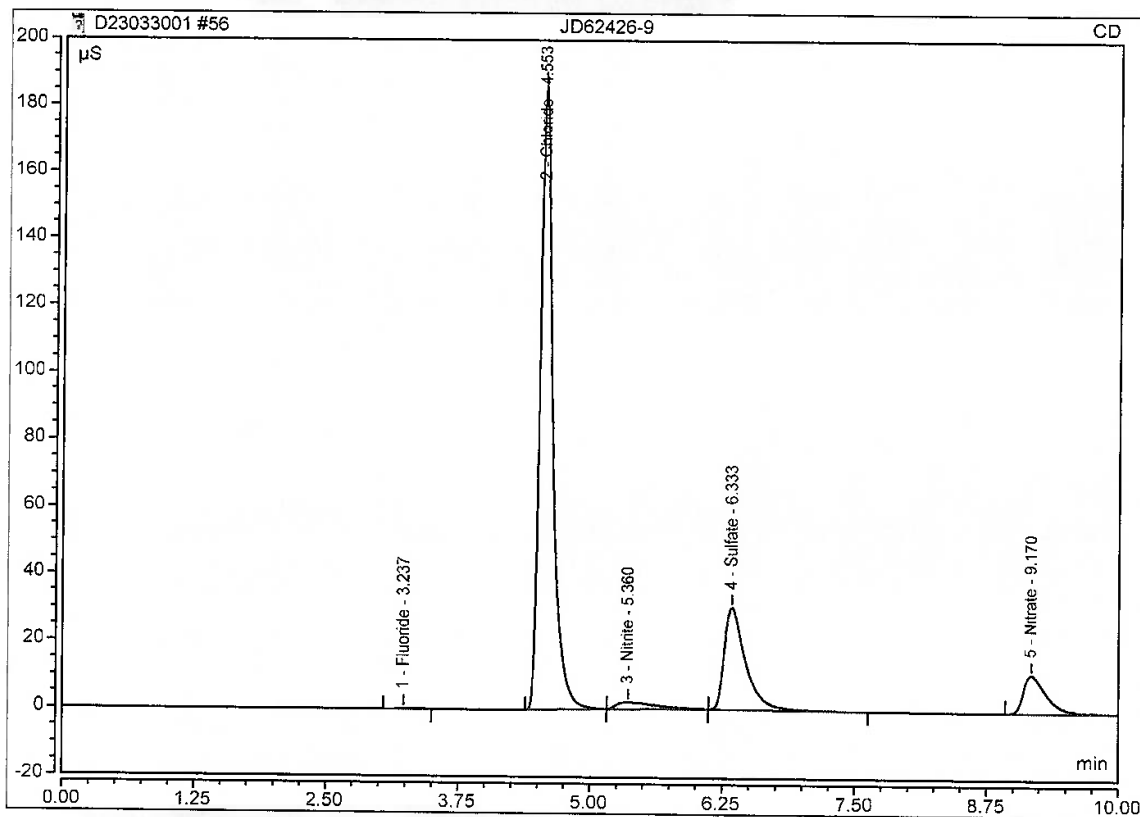
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Instrument: Integrion_1
Sequence: D23033001

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Peak Integration Report

Sample Name:	JD62426-9	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	31-Mar-2023 / 14:51	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	3.24	Fluoride	BMB	0.039	0.208	0.1317
2	4.55	Chloride	BMB	26.355	186.523	83.2086
3	5.36	Nitrite	BMB	0.860	2.017	5.7808
4	6.33	Sulfate	bMB	7.022	30.359	31.0919
5	9.17	Nitrate	BMB	2.784	11.220	23.4608
TOTAL:				37.06	230.33	143.67



Anion/Integration

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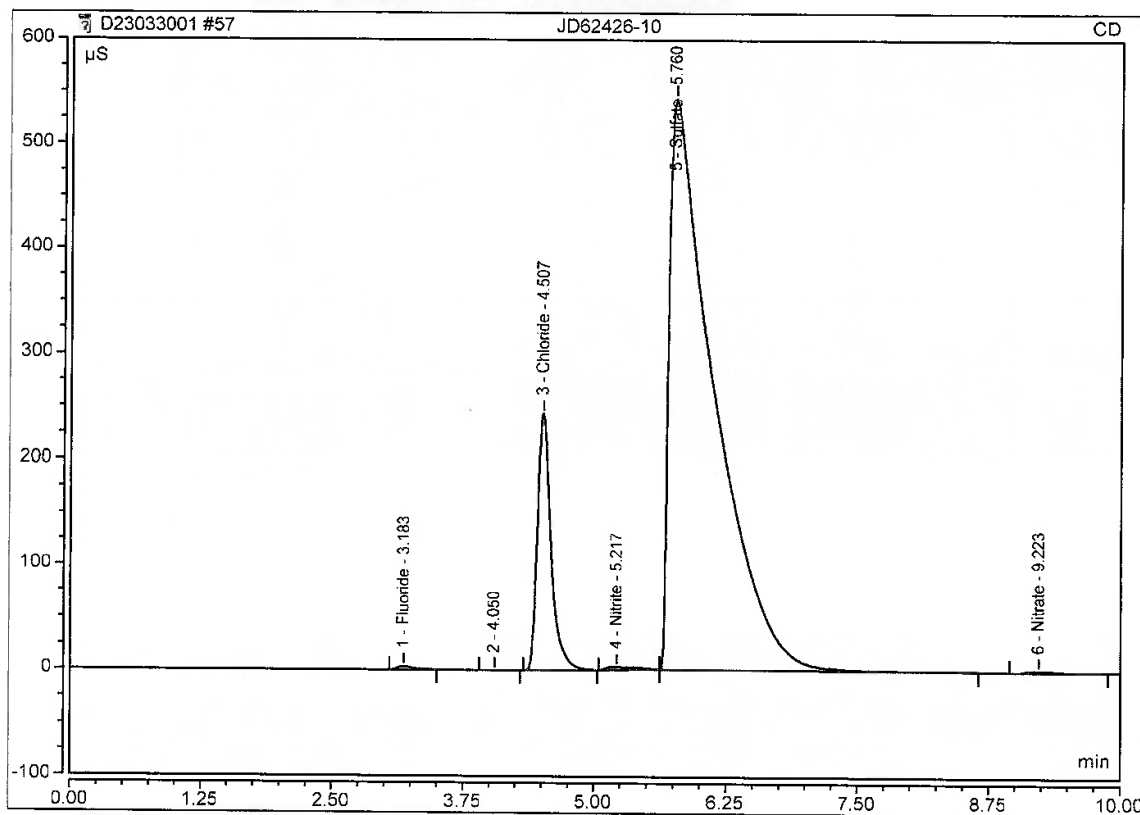
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Instrument: Integrion_1
Sequence: D23033001

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Peak Integration Report

Sample Name:	JD62426-10	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	31-Mar-2023 / 15:04	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount
1	3.18	Fluoride	BMB	0.506	3.202	1.2613
3	4.51	Chloride	BMB	36.238	243.851	114.3219
4	5.22	Nitrite	BMB	0.939	2.859	6.3201
5	5.76	Sulfate	BMB	265.796	542.364	1172.9944
6	9.22	Nitrate	BMB	0.400	1.661	3.3120
TOTAL:				303.88	793.94	1298.21



Anion/Integration

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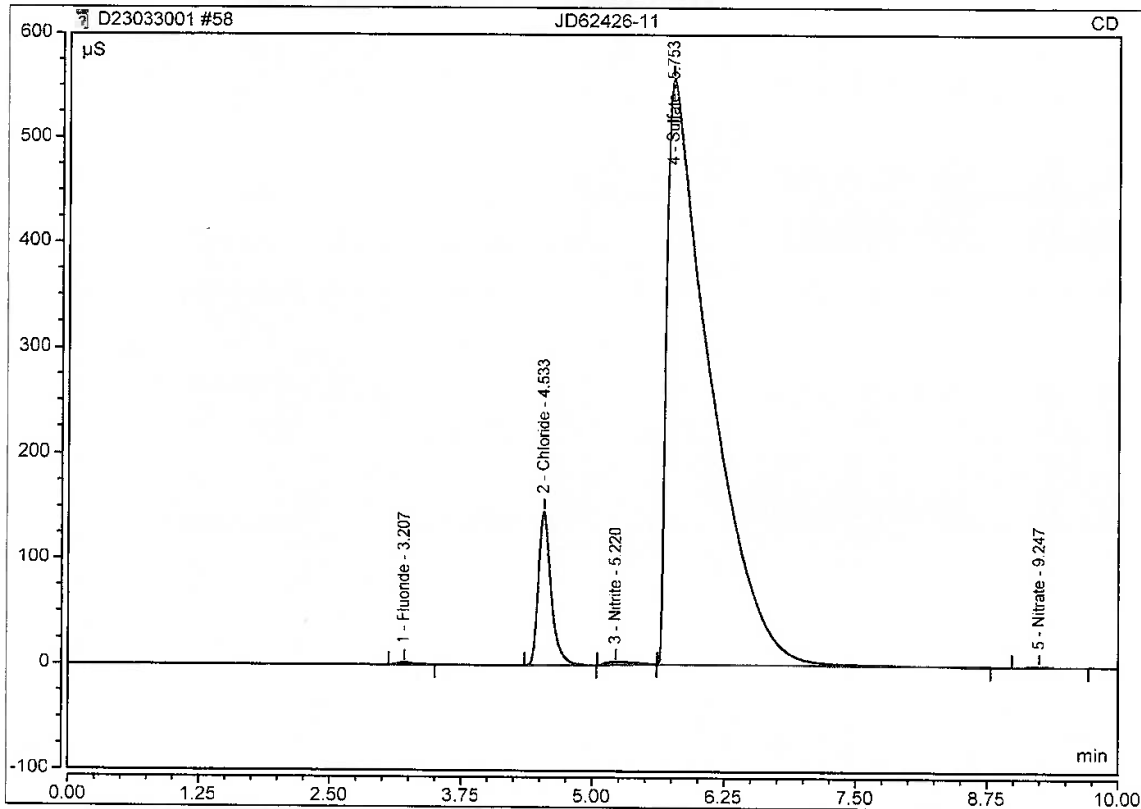
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Instrument: Integrion_1
Sequence: D23033001

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Peak Integration Report

Sample Name:	JD62426-11	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	31-Mar-2023 / 15:17	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	3.21	Fluoride	BMB	0.324	2.050	0.8222
2	4.53	Chloride	BMB	20.913	146.179	66.0772
3	5.22	Nitrite	BMB	0.964	2.962	6.4961
4	5.75	Sulfate	BMB	264.571	556.527	1167.5879
5	9.25	Nitrate	BMB	0.131	0.560	1.0389
TOTAL:				286.90	708.28	1242.02



Anion/Integration

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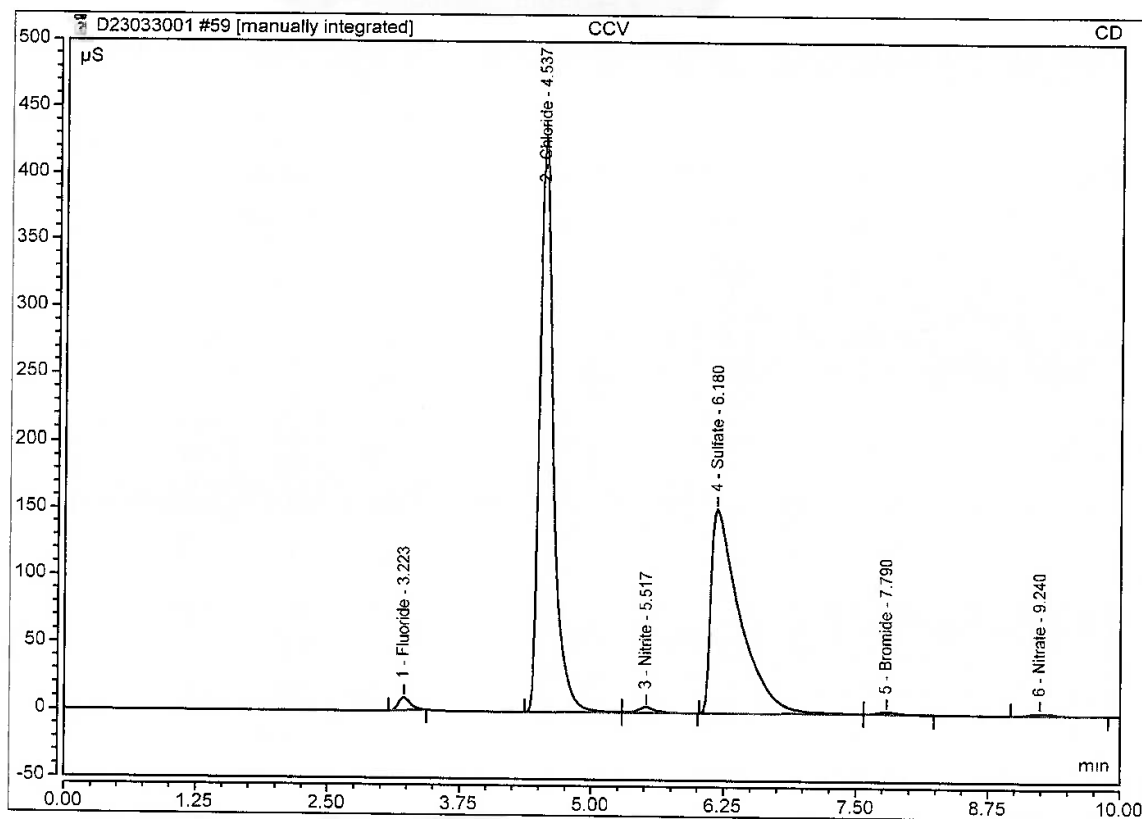
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Instrument: Integrion_1
Sequence: D23033001

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Peak Integration Report

Sample Name:	CCV	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	31-Mar-2023 / 15:30	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	3.22	Fluoride	BMB*	1.270	9.430	3.1100
2	4.54	Chloride	BMB	64.659	430.604	203.7963
3	5.52	Nitrite	bMB	0.698	3.931	4.6755
4	6.18	Sulfate	BMB	47.704	152.247	210.6119
5	7.79	Bromide	bMB	0.342	1.770	3.0088
6	9.24	Nitrate	BMB	0.440	1.797	3.6548
TOTAL:				115.11	599.78	428.86



Anion/Integration

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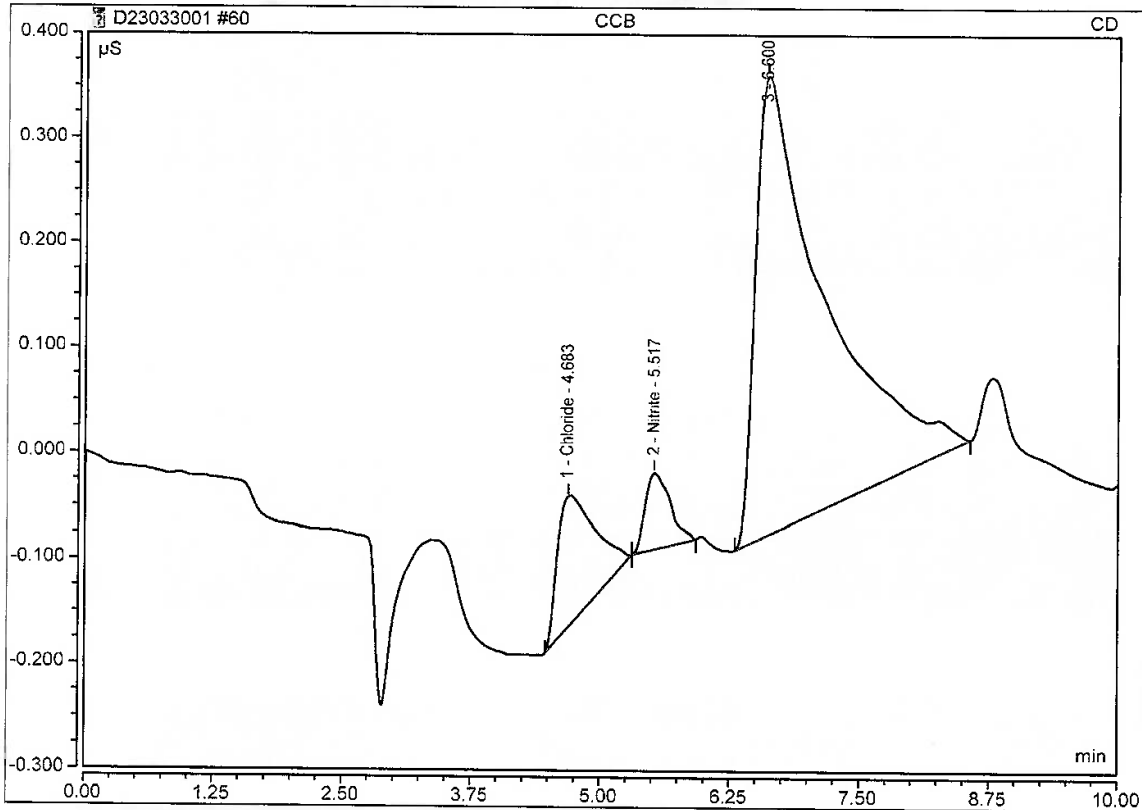
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Instrument: Integrion_1
Sequence: D23033001

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Peak Integration Report

Sample Name:	CCB	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	31-Mar-2023 / 15:43	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount
1	4.68	Chloride	BMb	0.051	0.124	0.3987
2	5.52	Nitrite	bMB	0.020	0.072	0.0463
TOTAL:				0.07	0.20	0.44



Anion/Integration

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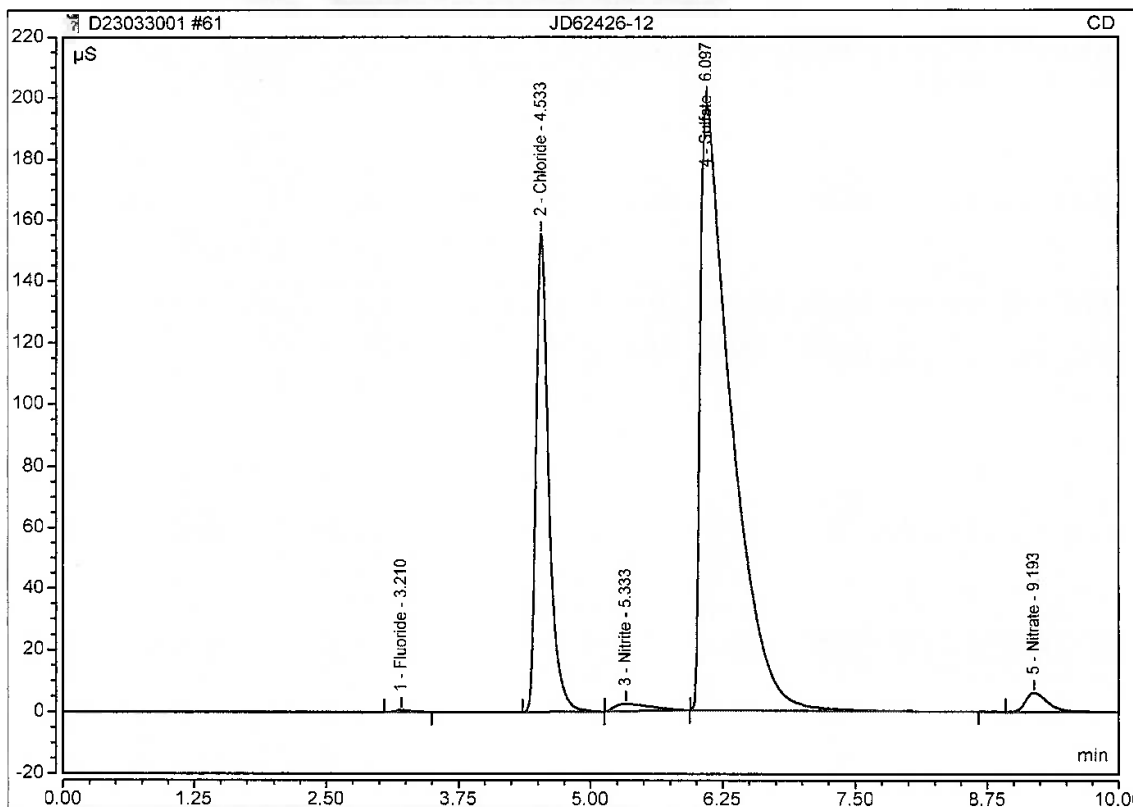
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Instrument: Integrion_1
Sequence: D23033001

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Peak Integration Report

Sample Name:	JD62426-12	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	31-Mar-2023 / 15:56	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	3.21	Fluoride	BMB	0.072	0.483	0.2122
2	4.53	Chloride	BMB	21.466	155.368	67.8184
3	5.33	Nitrite	BMB	0.884	2.256	5.9459
4	6.10	Sulfate	BMB	66.669	197.625	294.3010
5	9.19	Nitrate	BMB	1.462	6.079	12.2885
TOTAL:				90.55	361.81	380.57



Anion/Integration

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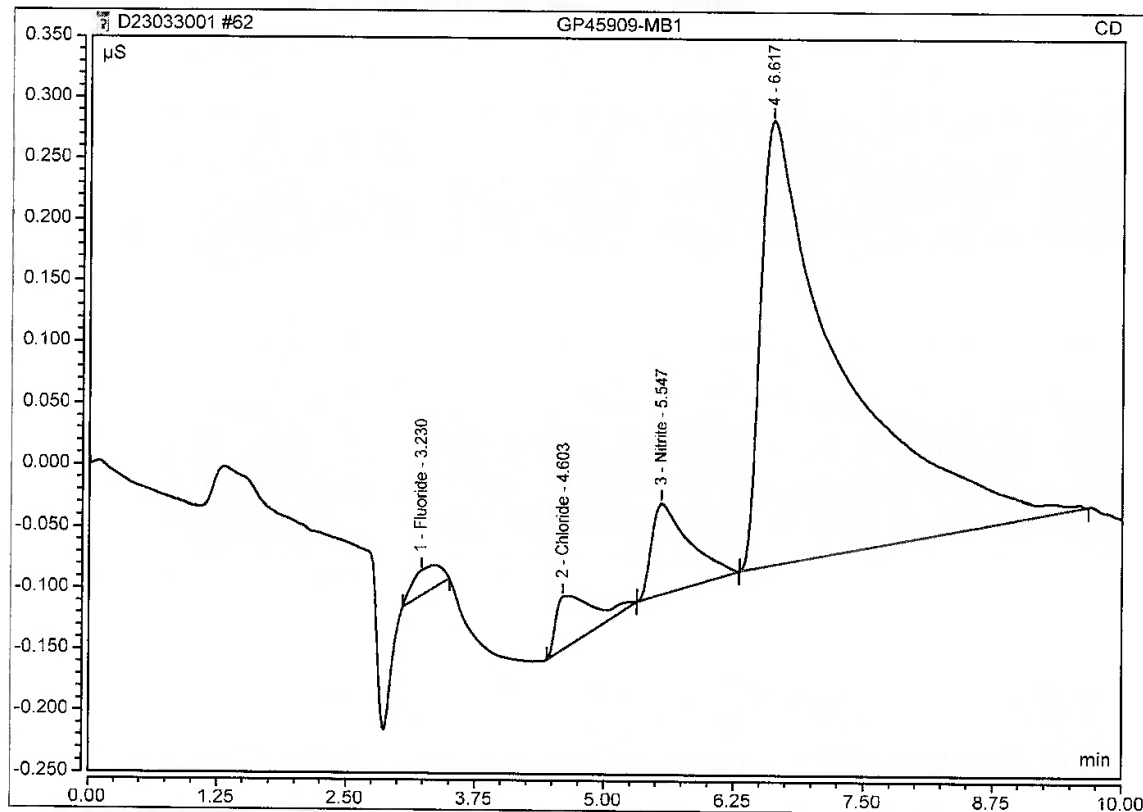
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Instrument: Integrion_1
Sequence: D23033001

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Peak Integration Report

Sample Name:	GP45909-MB1	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	31-Mar-2023 / 16:09	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount
1	3.23	Fluoride	BMB	0.007	0.021	0.0533
2	4.60	Chloride	BMB	0.016	0.043	0.2910
3	5.55	Nitrite	BMB	0.031	0.074	0.1221
TOTAL:				0.05	0.14	0.47



Anion/Integration

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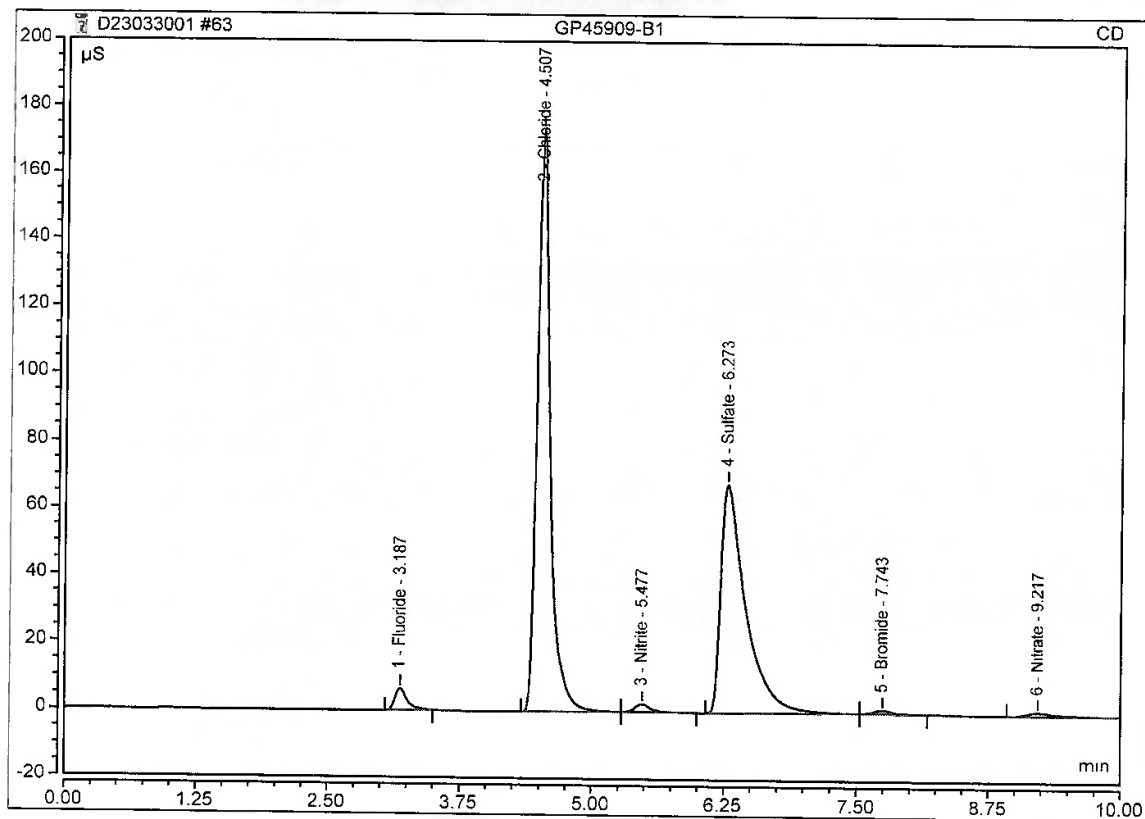
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Instrument: Integriion_1
Sequence: D23033001

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Peak Integration Report

Sample Name:	GP45909-B1	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	31-Mar-2023 / 16:22	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	3.19	Fluoride	BMB	0.860	6.549	2.1170
2	4.51	Chloride	BMB	24.968	173.842	78.8415
3	5.48	Nitrite	bMB	0.379	2.366	2.5016
4	6.27	Sulfate	BMB	18.465	68.212	81.5869
5	7.74	Bromide	bMB	0.202	1.064	1.8068
6	9.22	Nitrate	BMB	0.266	1.047	2.1852
TOTAL:				45.14	253.08	169.04



Anion/Integration

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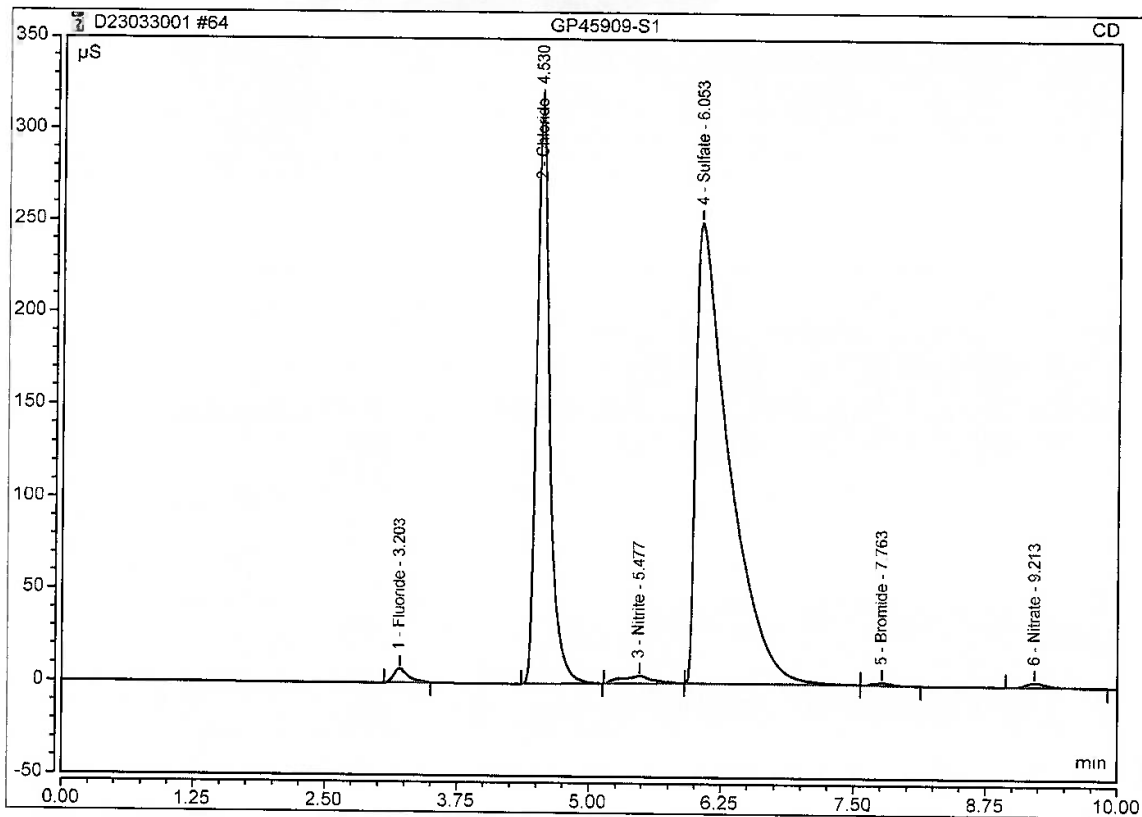
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Sequence: D23033001

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Peak Integration Report

Sample Name:	GP45909-S1	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	31-Mar-2023 / 16:35	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount
1	3.20	Fluoride	BMB	1.075	7.365	2.6364
2	4.53	Chloride	BMB	44.892	314.147	141.5670
3	5.48	Nitrite	BMB	1.280	3.739	8.6505
4	6.05	Sulfate	BMB	90.189	249.601	398.0876
5	7.76	Bromide	bMB	0.225	1.200	2.0067
6	9.21	Nitrate	BMB	0.513	2.183	4.2739
TOTAL:				138.17	578.24	557.22



Anion/Integration

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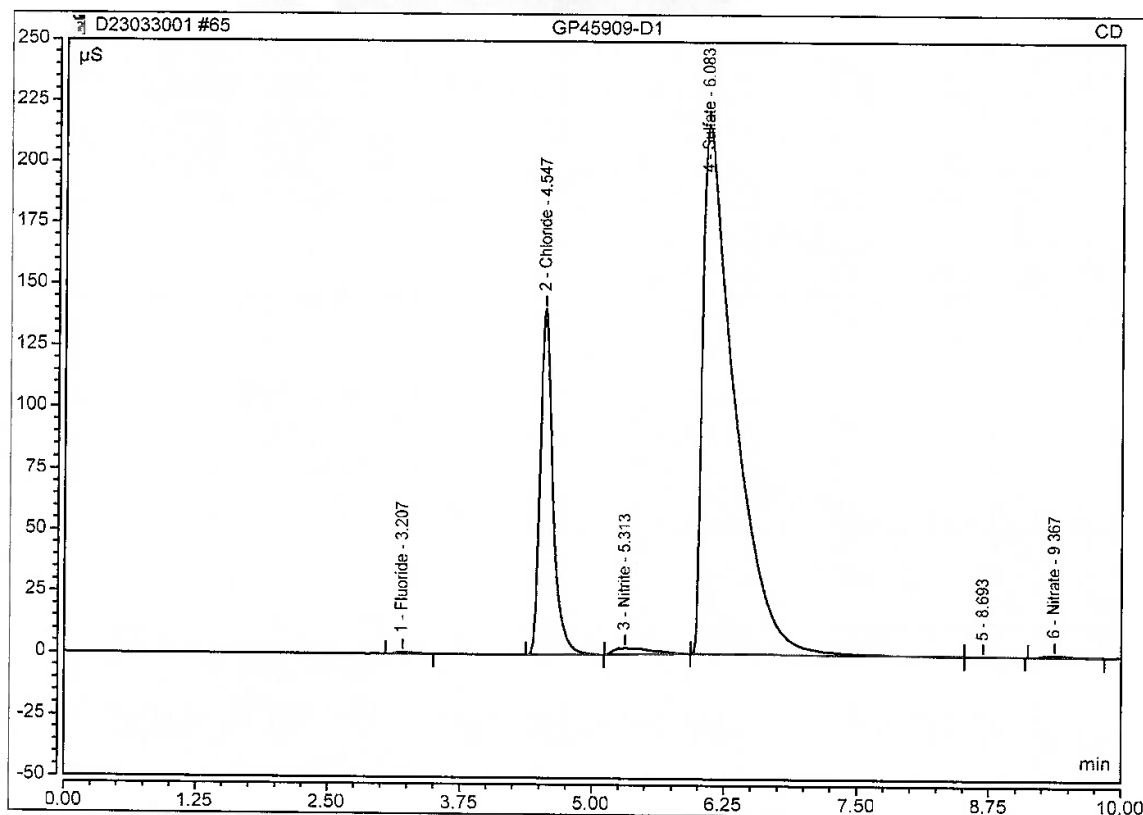
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Instrument: Integriion_1
Sequence: D23033001

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Peak Integration Report

Sample Name:	GP45909-D1	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	31-Mar-2023 / 16:48	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	3.21	Fluoride	BMB	0.112	0.767	0.3073
2	4.55	Chloride	BMB	19.513	140.487	61.6694
3	5.31	Nitrite	BMB	1.068	2.604	7.2013
4	6.08	Sulfate	BMB	75.549	215.960	333.4830
6	9.37	Nitrate	BMB	0.203	0.889	1.6521
TOTAL:				96.44	360.71	404.31



Anion/Integration

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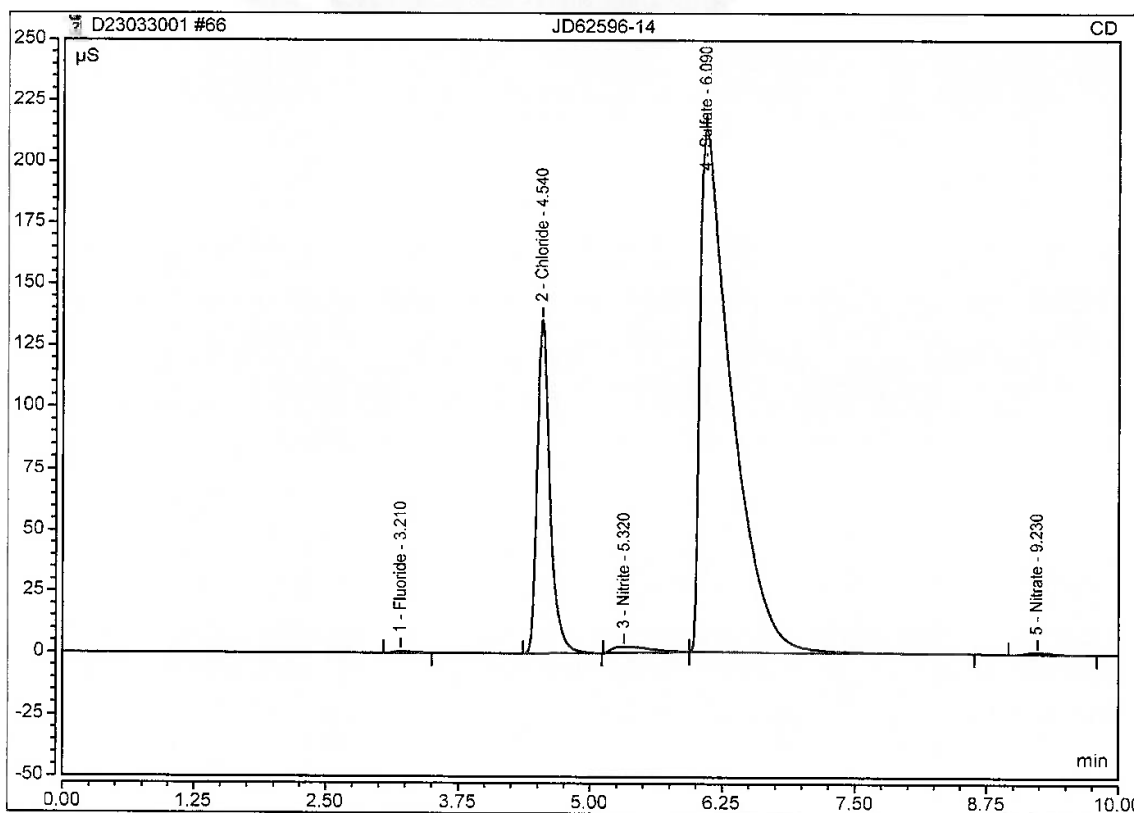
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Sequence: D23033001

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Peak Integration Report

Sample Name:	JD62596-14	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	31-Mar-2023 / 17:01	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount
1	3.21	Fluoride	BMB	0.110	0.734	0.3038
2	4.54	Chloride	BMB	19.179	135.527	60.6188
3	5.32	Nitrite	BMB	1.062	2.604	7.1639
4	6.09	Sulfate	BMB	73.797	213.028	325.7548
5	9.23	Nitrate	BMB	0.199	0.857	1.6150
TOTAL:				94.35	352.75	395.46



Anion/Integration

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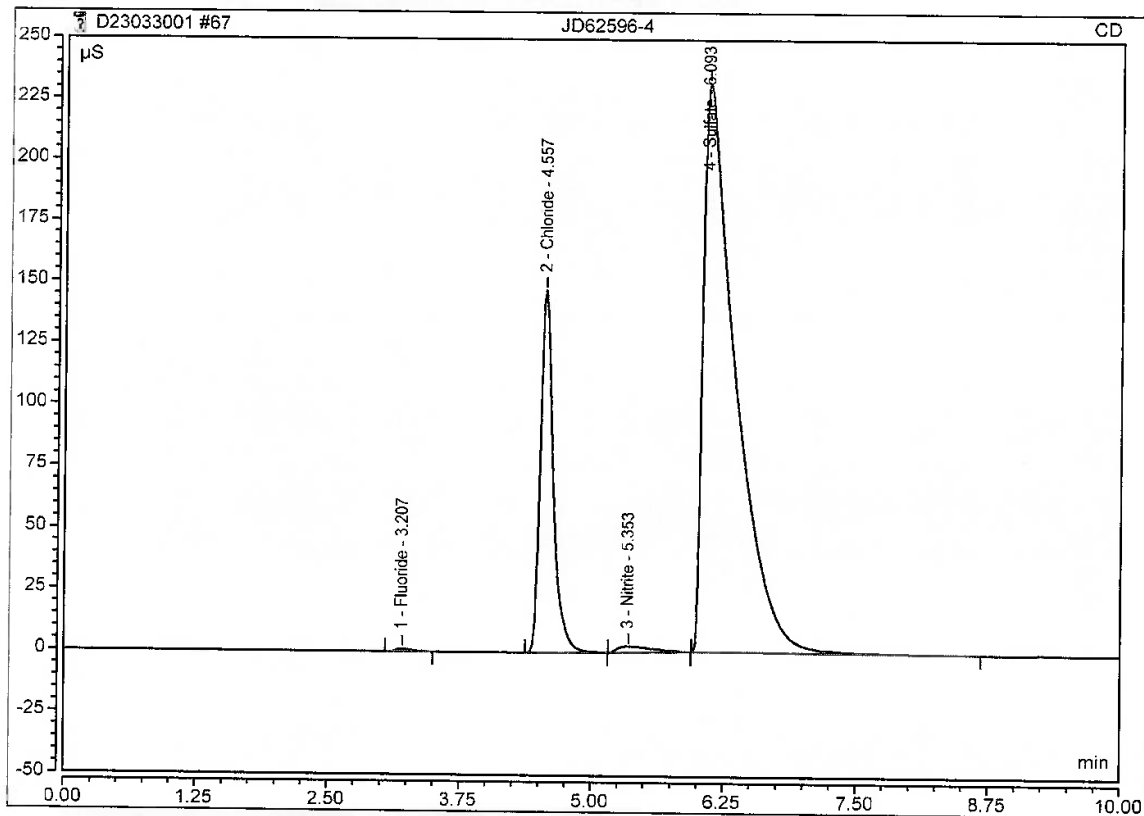
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Instrument: Integriion_1
Sequence: D23033001

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Peak Integration Report

Sample Name:	JD62596-4	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	31-Mar-2023 / 17:14	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	3.21	Fluoride	BMB	0.174	1.202	0.4593
2	4.56	Chloride	BMB	21.106	147.209	66.6857
3	5.35	Nitrite	BMB	0.965	2.462	6.4968
4	6.09	Sulfate	BMB	82.344	231.832	363.4708
TOTAL:				104.59	382.70	437.11



Anion/Integration

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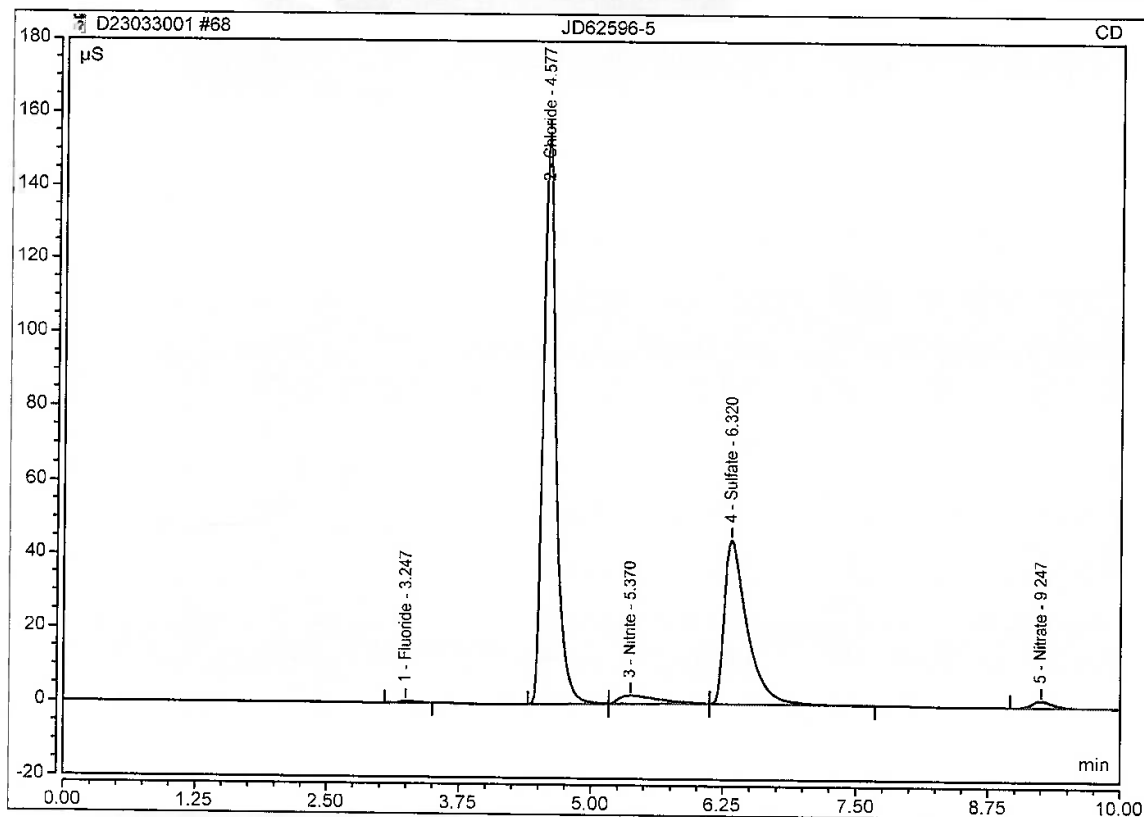
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Instrument: Integrion_1
Sequence: D23033001

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Peak Integration Report

Sample Name:	JD62596-5	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	31-Mar-2023 / 17:27	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount
1	3.25	Fluoride	BMB	0.064	0.395	0.1922
2	4.58	Chloride	BMB	21.793	155.336	68.8473
3	5.37	Nitrite	BMB	0.937	2.168	6.3086
4	6.32	Sulfate	bMB	10.992	44.474	48.6104
5	9.25	Nitrate	BMB	0.428	1.818	3.5481
TOTAL:				34.21	204.19	127.51



Anion/Integration

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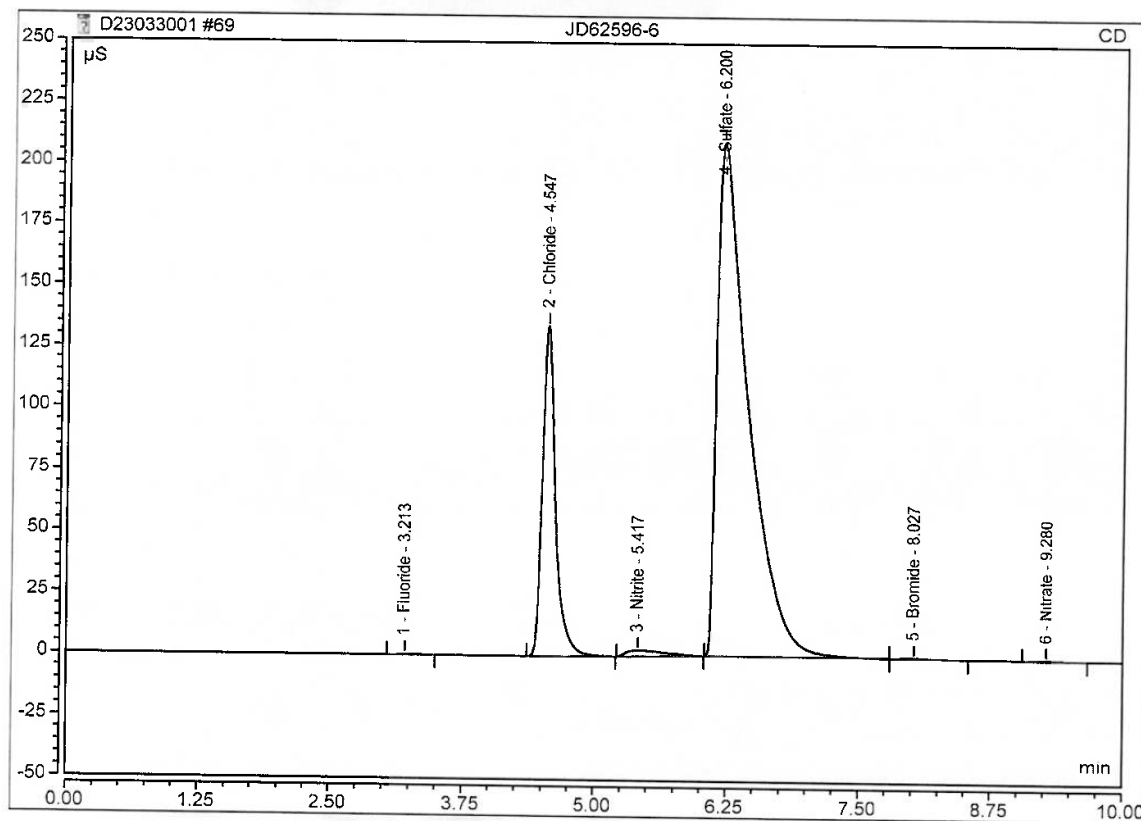
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Peak Integration Report

Sample Name:	JD62596-6	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	31-Mar-2023 / 17:40	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount
1	3.21	Fluoride	BMB	0.054	0.294	0.1687
2	4.55	Chloride	BMB	19.319	134.323	61.0596
3	5.42	Nitrite	BMB	1.044	2.514	7.0382
4	6.20	Sulfate	BMB	71.493	209.126	315.5875
5	8.03	Bromide	bMB	0.090	0.247	0.8500
6	9.28	Nitrate	BMB	0.049	0.221	0.3529
TOTAL:				92.05	346.72	385.06



Anion/Integration

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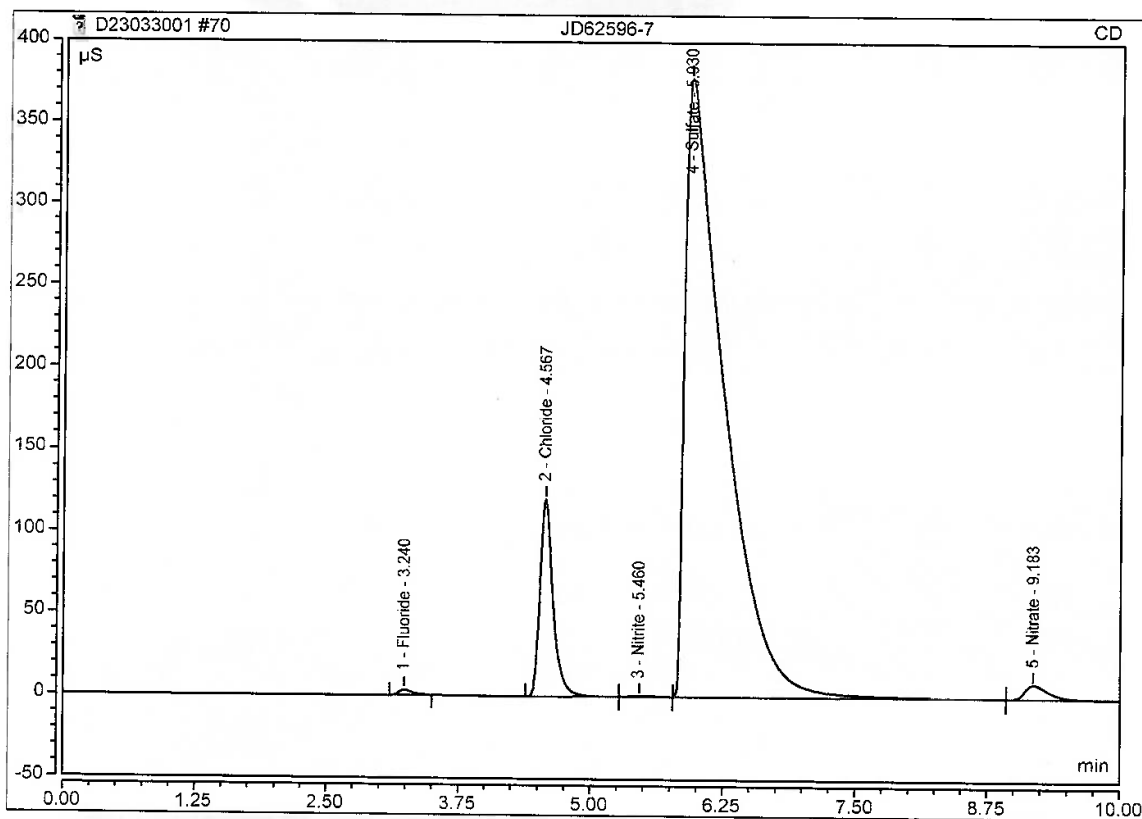
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Instrument: Integriion_1
Sequence: D23033001

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Peak Integration Report

Sample Name:	JD62596-7	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	31-Mar-2023 / 17:53	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount
1	3.24	Fluoride	BMB	0.487	3.349	1.2147
2	4.57	Chloride	BMB	17.363	120.813	54.8995
3	5.46	Nitrite	BMB	0.125	0.523	0.7647
4	5.93	Sulfate	BMB	162.778	377.926	718.4042
5	9.18	Nitrate	BMB	2.305	8.832	19.4138
TOTAL:				183.06	511.44	794.70



Anion/Integration

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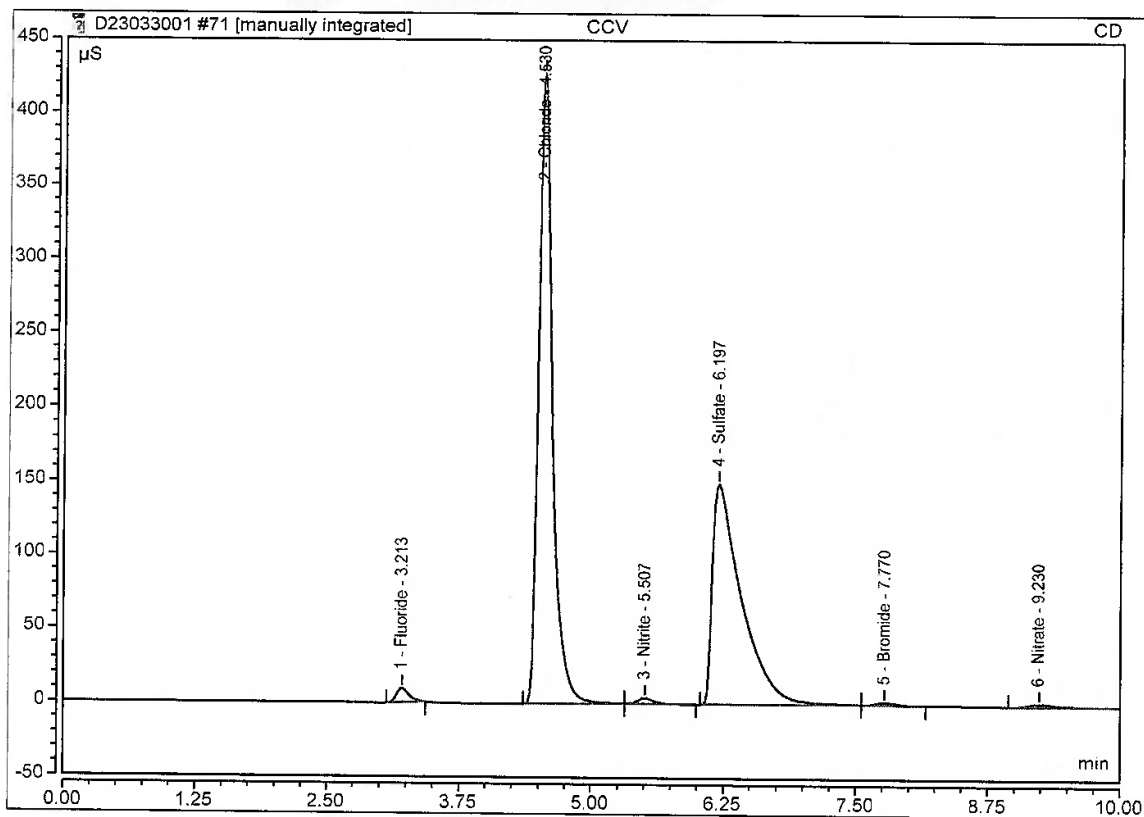
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Sequence: D23033001

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Peak Integration Report

Sample Name:	CCV	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	31-Mar-2023 / 18:06	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	3.21	Fluoride	BMB ⁺	1.283	9.409	3.1394
2	4.53	Chloride	BMB	64.676	427.563	203.8504
3	5.51	Nitrite	bMB	0.638	3.871	4.2692
4	6.20	Sulfate	BMB	47.535	149.889	209.8686
5	7.77	Bromide	bMB	0.342	1.765	3.0100
6	9.23	Nitrate	BMB	0.452	1.811	3.7566
TOTAL:				114.93	594.31	427.89



Anion/Integration

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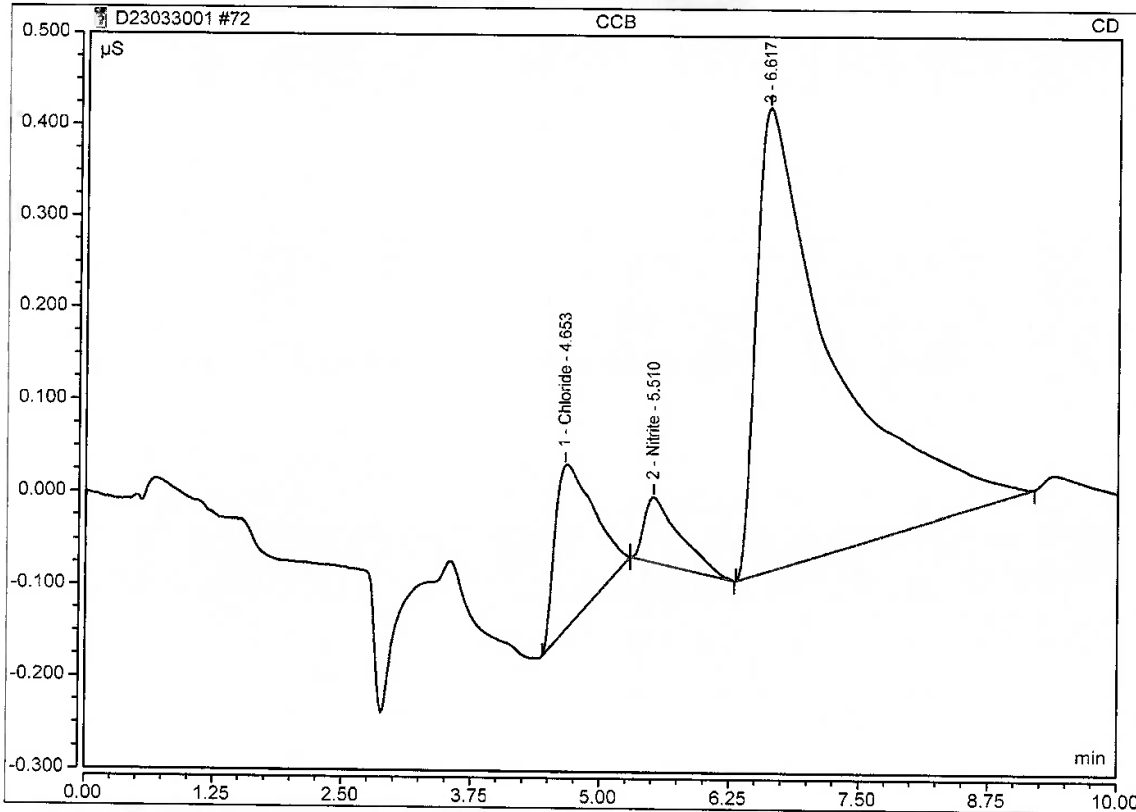
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Instrument: Integrion_1
Sequence: D23033001

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Peak Integration Report

Sample Name:	CCB	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	31-Mar-2023 / 18:19	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount
1	4.65	Chloride	BMB	0.076	0.180	0.4784
2	5.51	Nitrite	bMB	0.029	0.070	0.1063
TOTAL:				0.10	0.25	0.58



Anion/Integration

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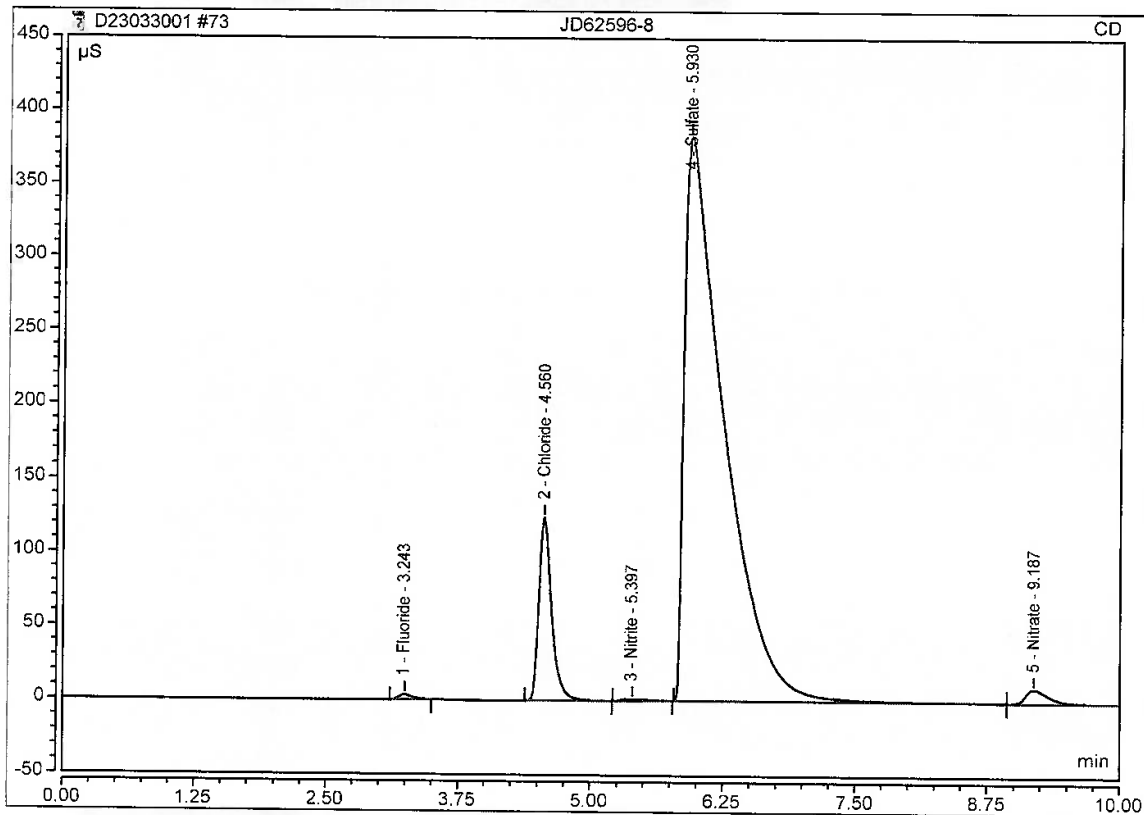
Logged on User: Chemistry
Instrument: Integriion_1
Sequence: D23033001

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Peak Integration Report

Sample Name:	JD62596-8	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	31-Mar-2023 / 18:32	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	3.24	Fluoride	BMB	0.499	3.456	1.2437
2	4.56	Chloride	BMB	17.365	124.458	54.9083
3	5.40	Nitrite	BMB	0.345	1.185	2.2686
4	5.93	Sulfate	BMB	165.953	382.906	732.4135
5	9.19	Nitrate	bMB	2.313	9.267	19.4775
TOTAL:				186.48	521.27	810.31



Anion/Integration

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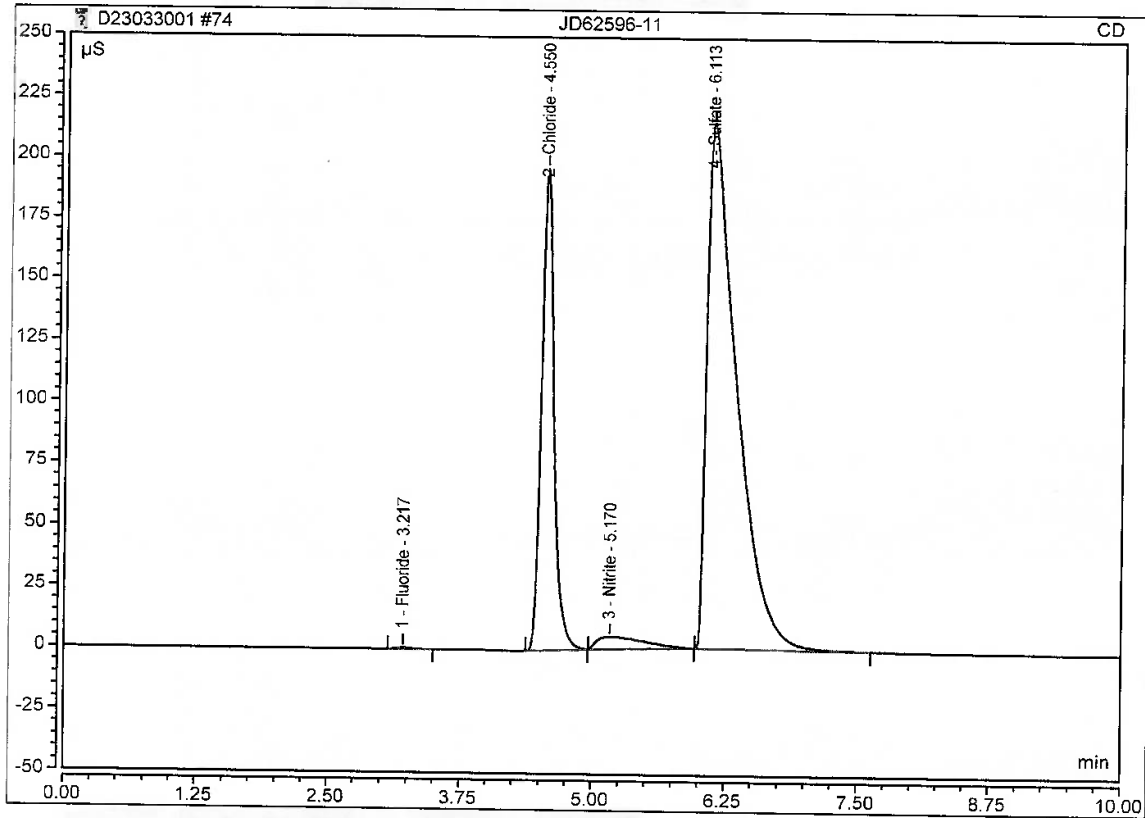
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Instrument: Integrion_1
Sequence: D23033001

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Peak Integration Report

Sample Name:	JD62596-11	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	31-Mar-2023 / 18:45	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	3.22	Fluoride	BMB	0.095	0.571	0.2678
2	4.55	Chloride	BMB	27.095	196.337	85.5372
3	5.17	Nitrite	BMB	2.605	5.030	17.6982
4	6.11	Sulfate	BMB	69.556	214.302	307.0401
TOTAL:				99.35	416.24	410.54



Anion/Integration

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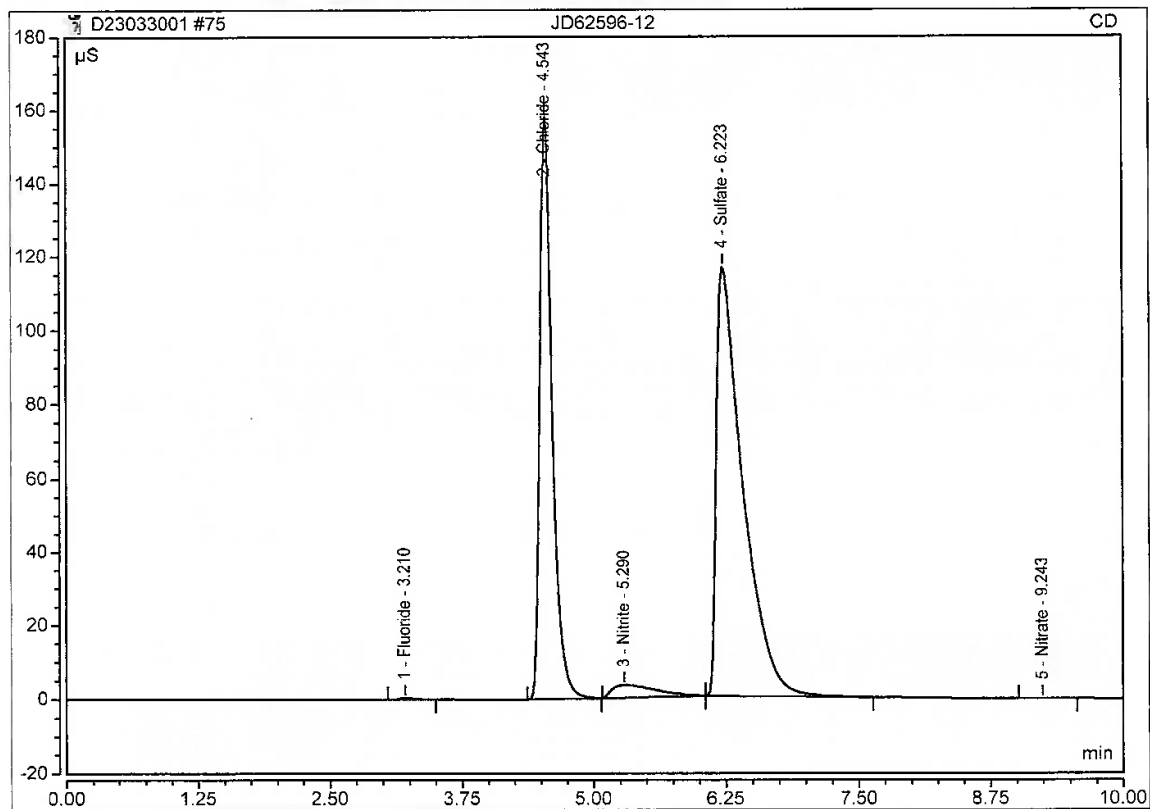
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Instrument: Integrion_1
Sequence: D23033001

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Peak Integration Report

Sample Name:	JD62596-12	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	31-Mar-2023 / 18:58	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount
1	3.21	Fluoride	BMB	0.062	0.390	0.1870
2	4.54	Chloride	BMB	21.726	158.311	68.6357
3	5.29	Nitrite	BMB	1.644	3.454	11.1354
4	6.22	Sulfate	BMB	33.392	116.347	147.4558
5	9.24	Nitrate	BMB	0.008	0.036	0.0003
TOTAL:				56.83	278.54	227.41



Anion/Integration

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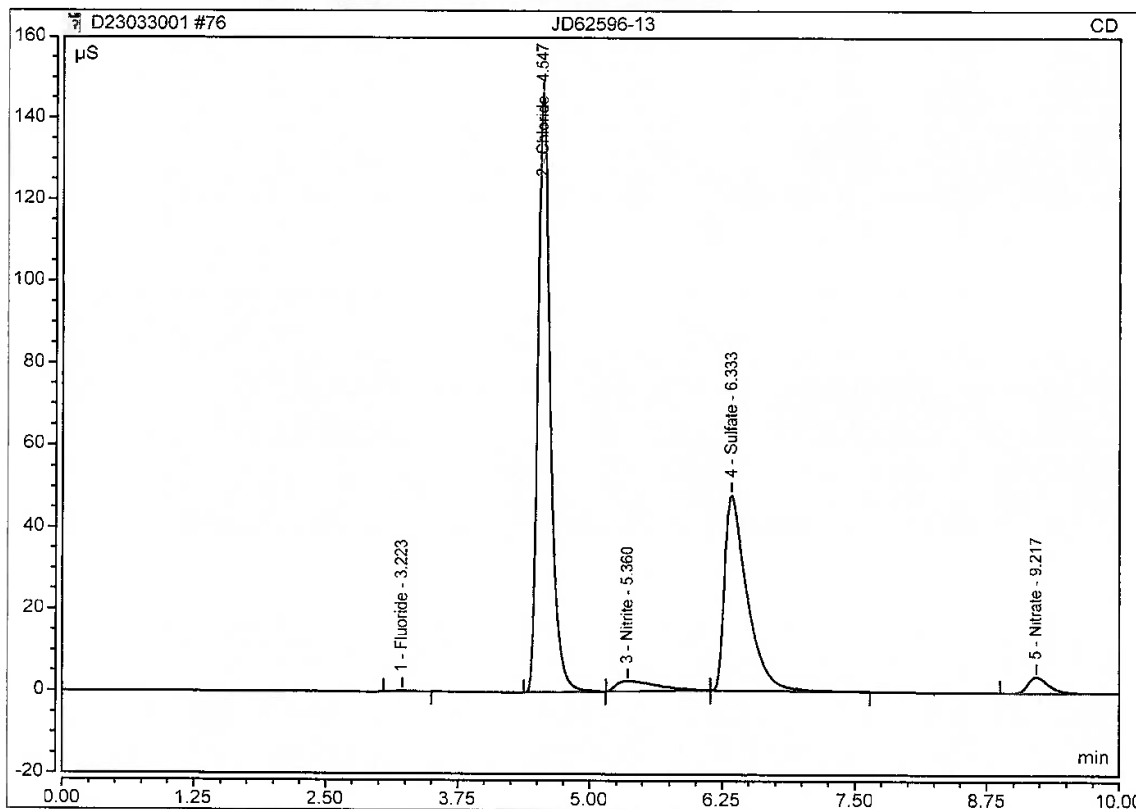
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Instrument: Integrion_1
Sequence: D23033001

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Peak Integration Report

Sample Name:	JD62596-13	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	31-Mar-2023 / 19:11	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount
1	3.22	Fluoride	BMB	0.044	0.285	0.1442
2	4.55	Chloride	BMB	20.027	146.587	63.2887
3	5.36	Nitrite	BMB	1.106	2.469	7.4617
4	6.33	Sulfate	bMB	11.848	47.911	52.3883
5	9.22	Nitrate	BMB	0.921	3.978	7.7187
TOTAL:				33.95	201.23	131.00



Anion/Integration

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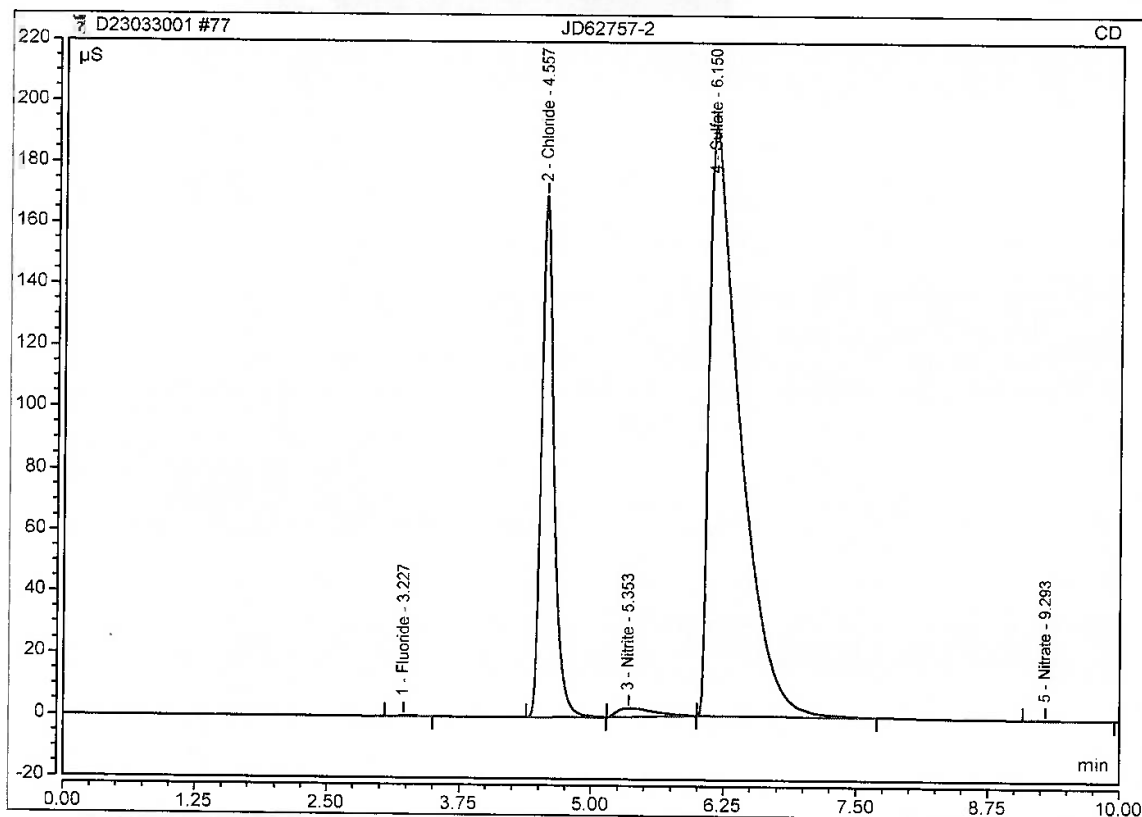
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Instrument: Integrion_1
Sequence: D23033001

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Peak Integration Report

Sample Name:	JD62757-2	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	31-Mar-2023 / 19:24	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	3.23	Fluoride	BMB	0.037	0.188	0.1262
2	4.56	Chloride	BMB	23.451	169.639	74.0674
3	5.35	Nitrite	BMB	1.103	2.643	7.4427
4	6.15	Sulfate	BMB	64.944	191.971	286.6868
5	9.29	Nitrate	BMB	0.028	0.115	0.1684
TOTAL:				89.56	364.56	368.49



Anion/Integration

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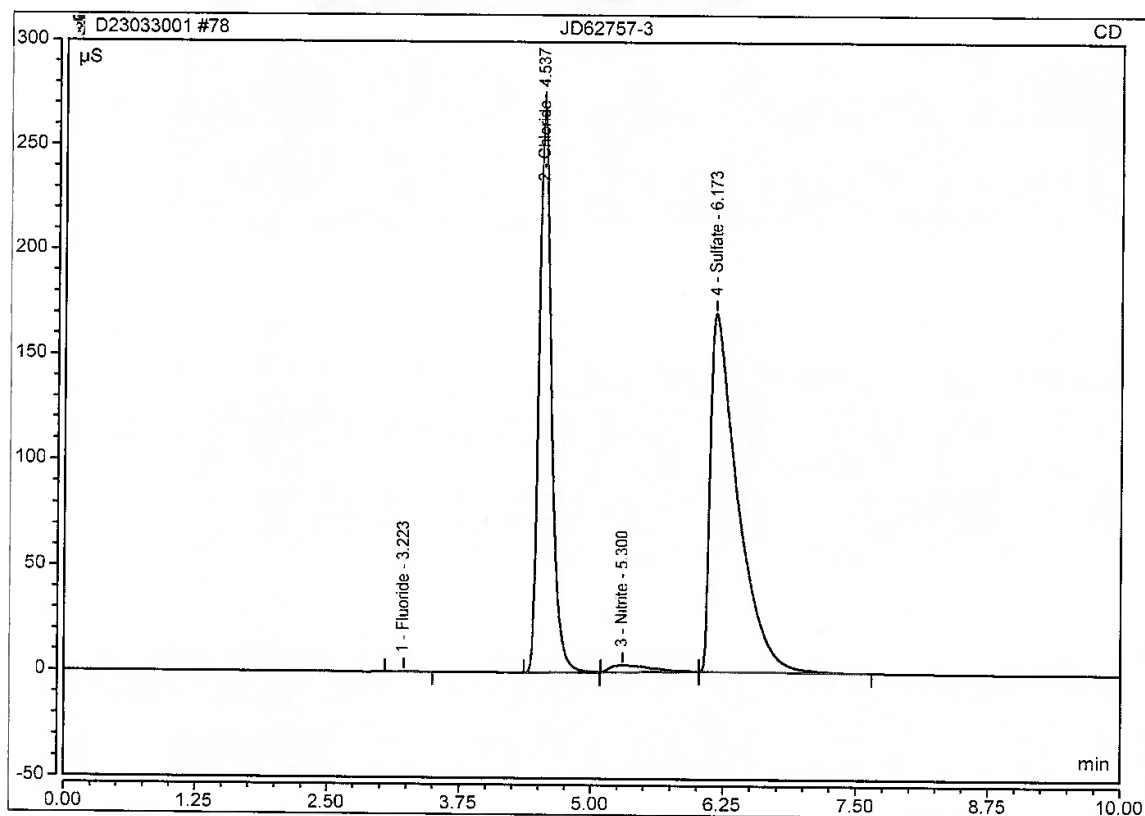
Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D23033001

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Peak Integration Report

Sample Name:	JD62757-3	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anlons_012919	Operator:	Chemistry
Inj. Date / Time:	31-Mar-2023 / 19:37	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount
1	3.22	Fluoride	BMB	0.049	0.237	0.1553
2	4.54	Chloride	BMB	36.853	268.798	116.2583
3	5.30	Nitrite	BMB	1.531	3.336	10.3616
4	6.17	Sulfate	BMB	50.604	169.927	223.4089
TOTAL:				89.04	442.30	350.18



Anion/Integration

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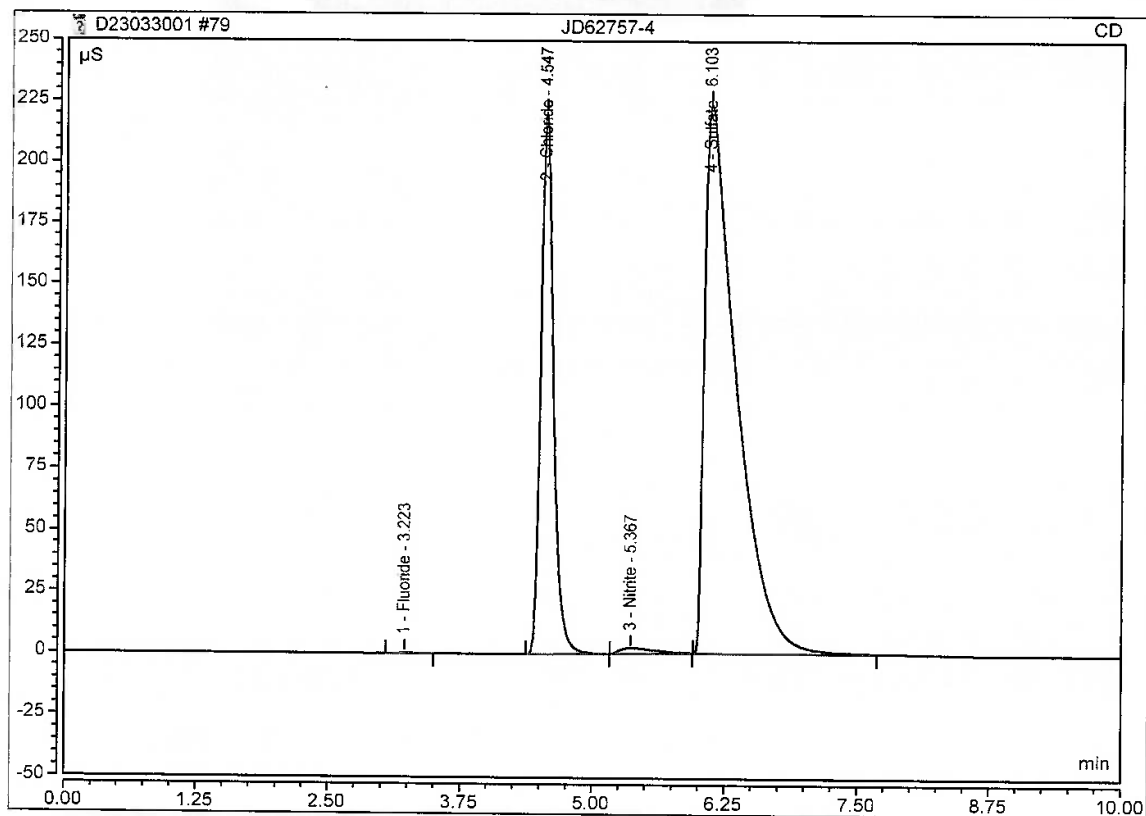
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Sequence: D23033001

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Peak Integration Report

Sample Name:	JD62757-4	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	31-Mar-2023 / 19:50	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	3.22	Fluoride	BMB	0.035	0.201	0.1227
2	4.55	Chloride	BMB	30.269	220.959	95.5307
3	5.37	Nitrite	BMB	0.883	2.284	5.9420
4	6.10	Sulfate	BMB	77.423	223.814	341.7546
TOTAL:				108.61	447.26	443.35



Anion/Integration

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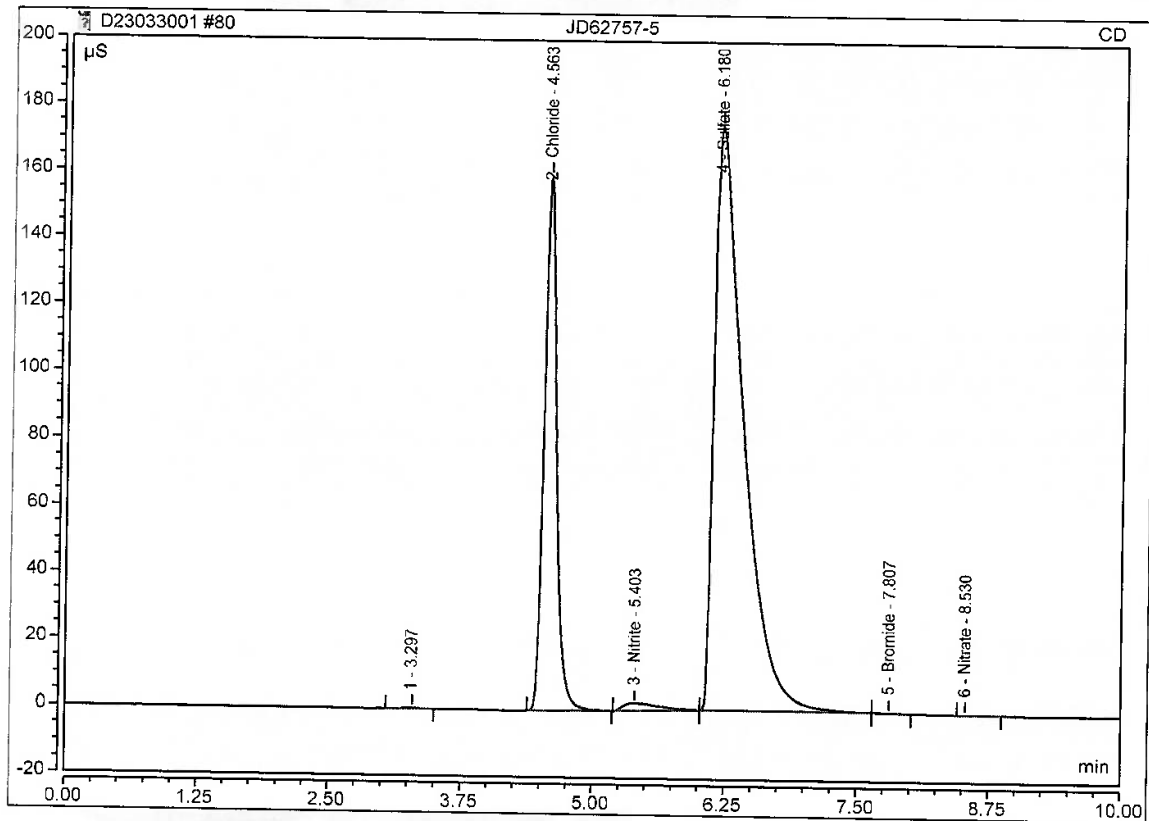
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Instrument: Integrion_1
Sequence: D23033001

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Peak Integration Report

Sample Name:	JD62757-5	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	31-Mar-2023 / 20:04	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	4.56	Chloride	BMB	21.592	159.601	68.2135
3	5.40	Nitrite	BMB	0.835	2.120	5.6139
4	6.18	Sulfate	BMB	55.482	174.553	244.9341
5	7.81	Bromide	bMB	0.011	0.065	0.1702
6	8.53	Nitrate	BMB	0.005	0.031	n.a.
TOTAL:				77.92	336.37	318.93



Anion/Integration

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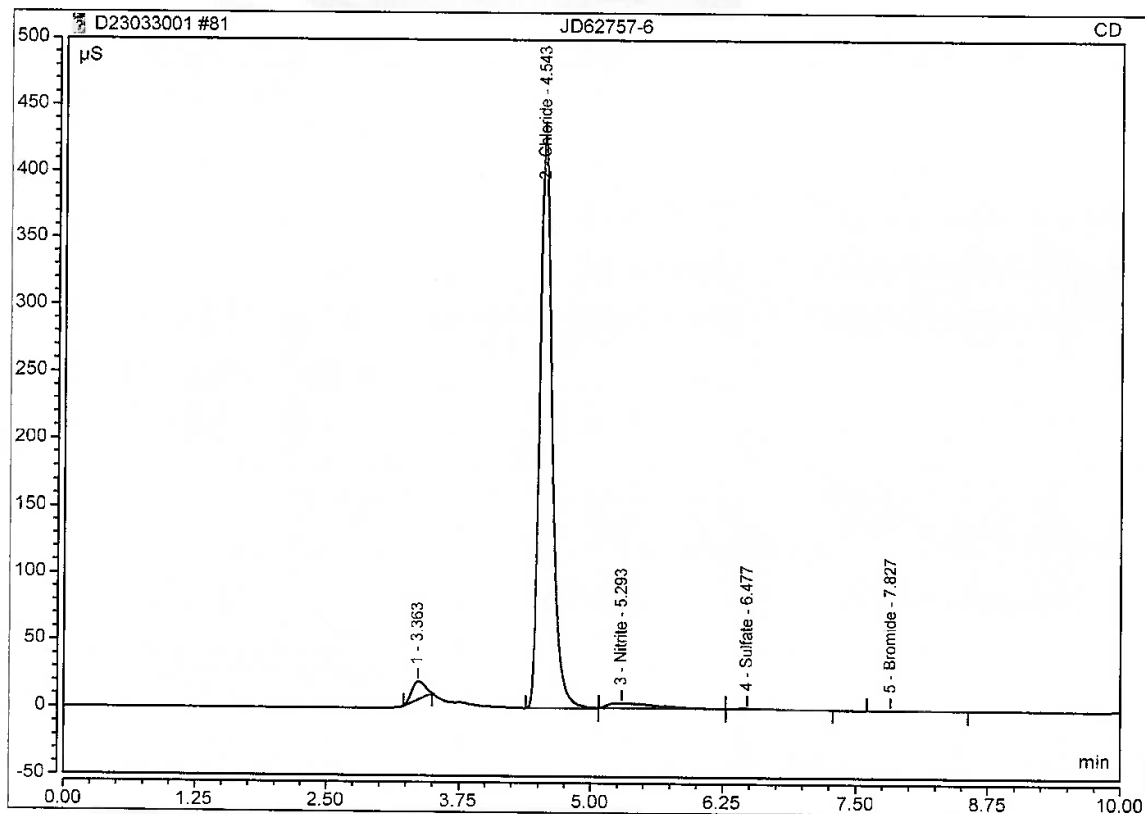
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Instrument: Integrion_1
Sequence: D23033001

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Peak Integration Report

Sample Name:	JD62757-6	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	31-Mar-2023 / 20:17	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount
2	4.54	Chloride	BMB	58.914	428.061	185.7088
3	5.29	Nitrite	BMB	2.038	3.833	13.8294
4	6.48	Sulfate	bMB	0.151	0.567	0.7726
5	7.83	Bromide	BMB	0.022	0.067	0.2675
TOTAL:				61.13	432.53	200.58



Anion/Integration

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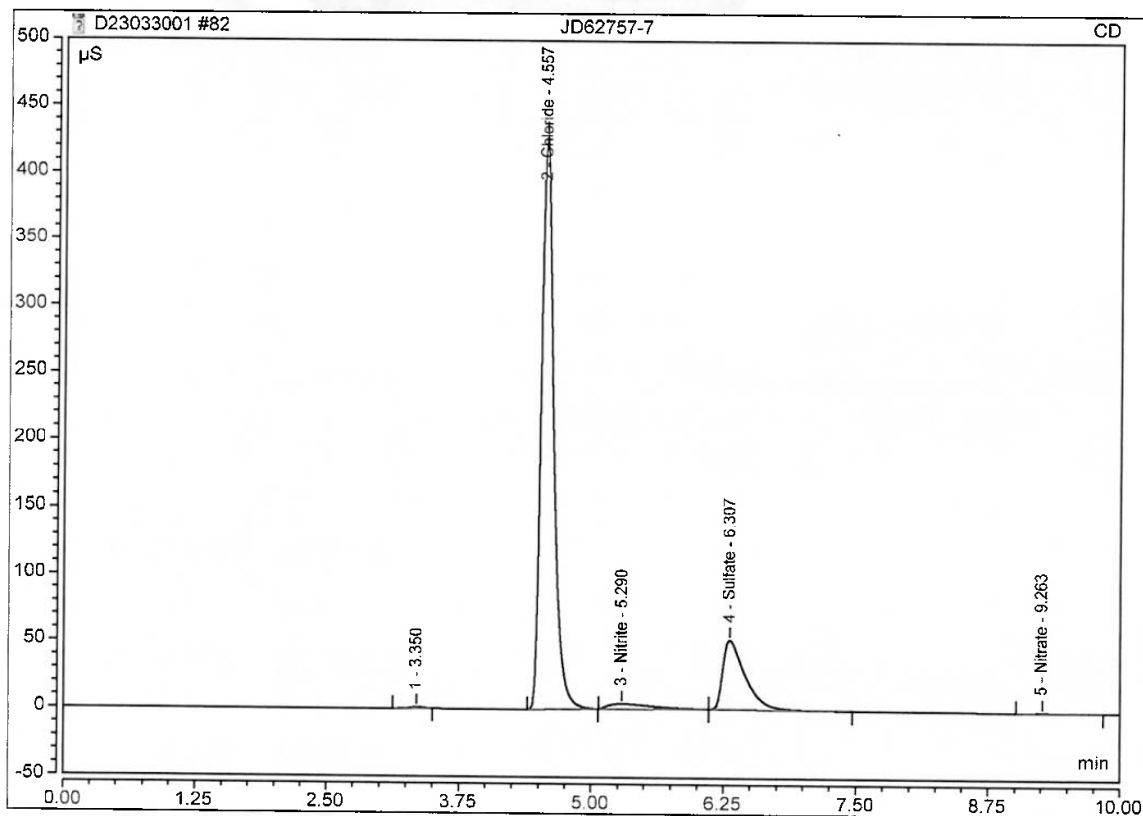
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Instrument: Integrion_1
Sequence: D23033001

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Peak Integration Report

Sample Name:	JD62757-7	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	31-Mar-2023 / 20:30	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount
2	4.56	Chloride	BMB	58.925	429.318	185.7425
3	5.29	Nitrite	BMB	1.917	3.953	12.9993
4	6.31	Sulfate	bMB	12.673	51.749	56.0277
5	9.26	Nitrate	BMB	0.021	0.087	0.1092
TOTAL:				73.53	485.11	254.88



Anion/Integration

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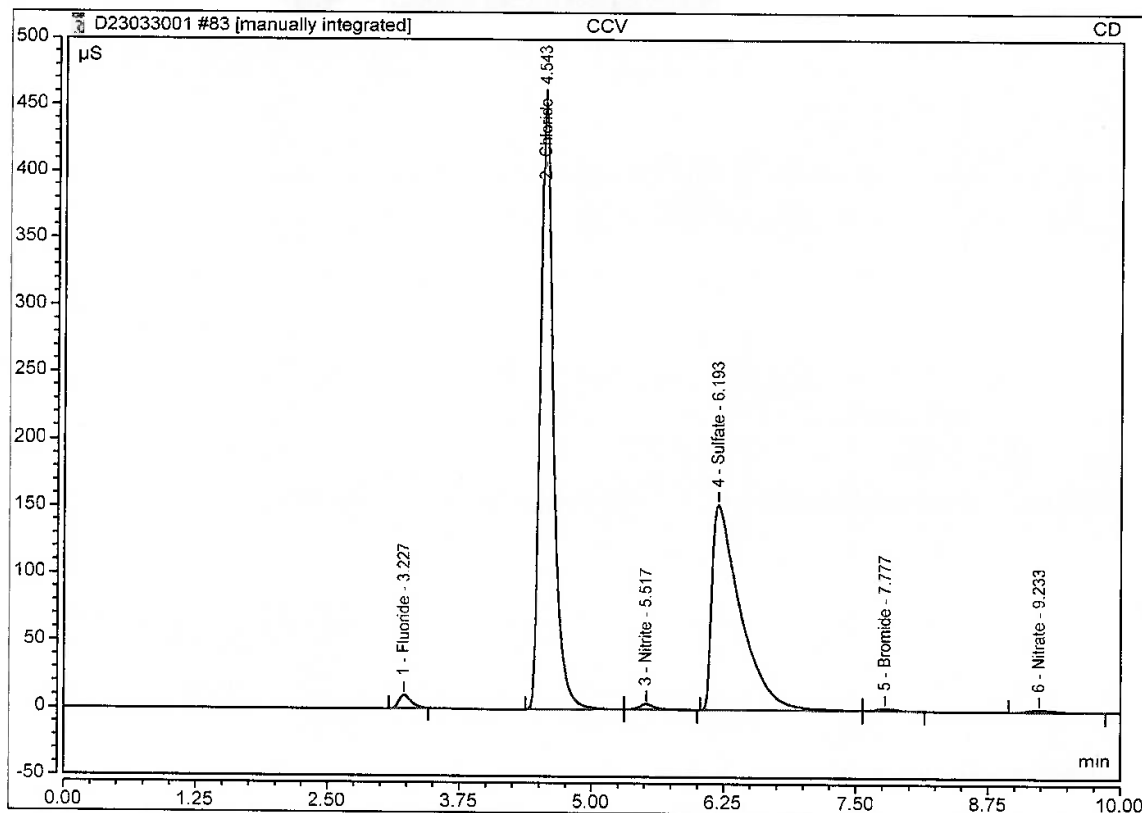
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Instrument: Integrion_1
Sequence: D23033001

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Peak Integration Report

Sample Name:	CCV	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	31-Mar-2023 / 20:43	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount
1	3.23	Fluoride	BMB*	1.342	10.067	3.2836
2	4.54	Chloride	BMB	65.022	451.957	204.9382
3	5.52	Nitrite	bMB	0.656	4.079	4.3931
4	6.19	Sulfate	BMB	47.572	153.039	210.0313
5	7.78	Bromide	bMB	0.339	1.824	2.9821
6	9.23	Nitrate	BMB	0.449	1.862	3.7322
TOTAL:				115.38	622.83	429.36



Anion/Integration

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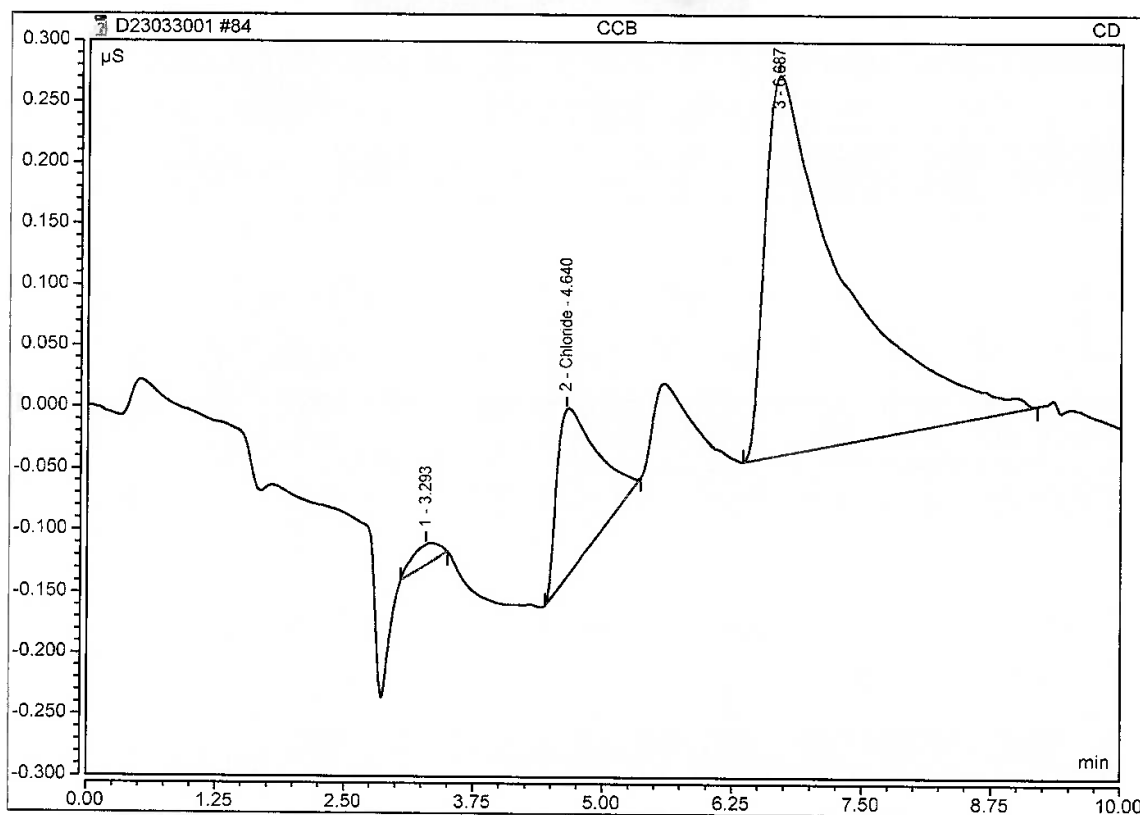
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Sequence: D23033001

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Peak Integration Report

Sample Name:	CCB	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	31-Mar-2023 / 20:56	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount
2	4.64	Chloride	BMB	0.059	0.136	0.4250
TOTAL:				0.06	0.14	0.42



Anion/Integration

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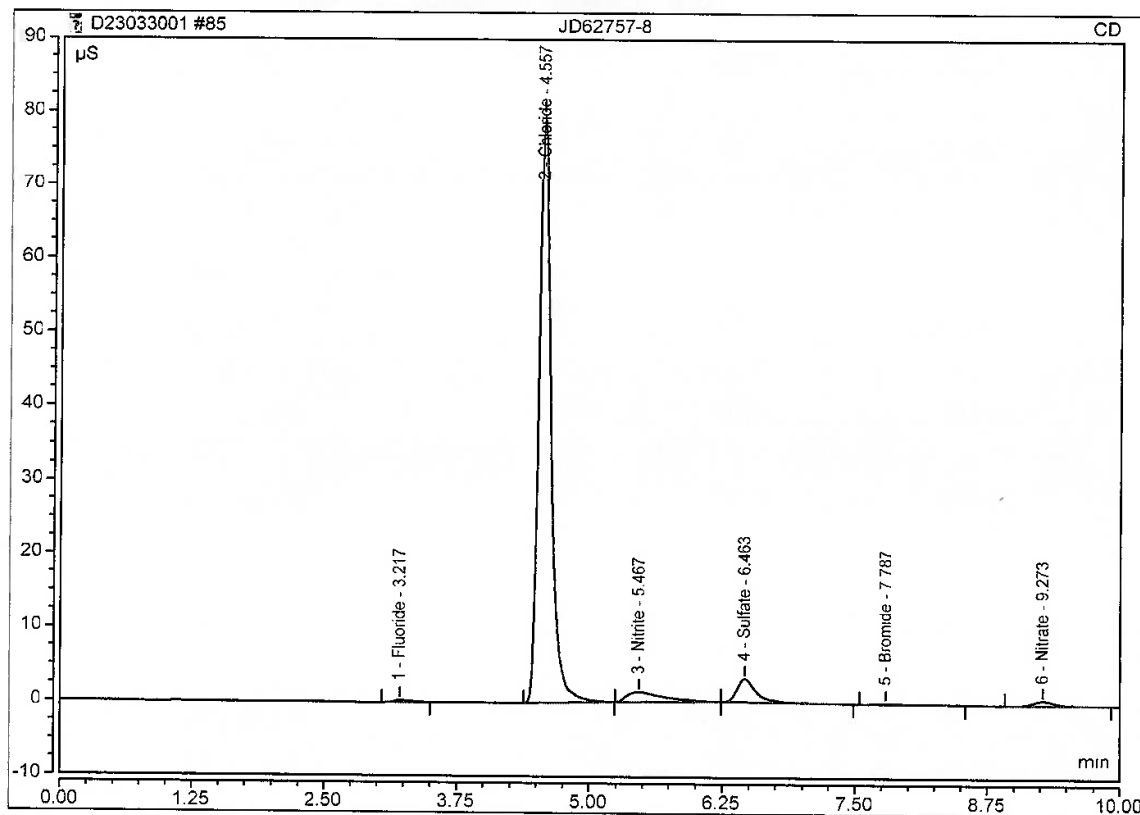
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Sequence: D23033001

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Peak Integration Report

Sample Name:	JD62757-8	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anlons_012919	Operator:	Chemistry
Inj. Date / Time:	31-Mar-2023 / 21:09	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount
1	3.22	Fluoride	BMB	0.048	0.317	0.1535
2	4.56	Chloride	BMB	10.689	79.760	33.8905
3	5.47	Nitrite	BMB	0.547	1.335	3.6445
4	6.46	Sulfate	bMB	0.672	3.124	3.0749
5	7.79	Bromide	BMB	0.030	0.098	0.3321
6	9.27	Nitrate	BMB	0.150	0.644	1.2012
TOTAL:				12.14	85.28	42.30



Anion/Integration

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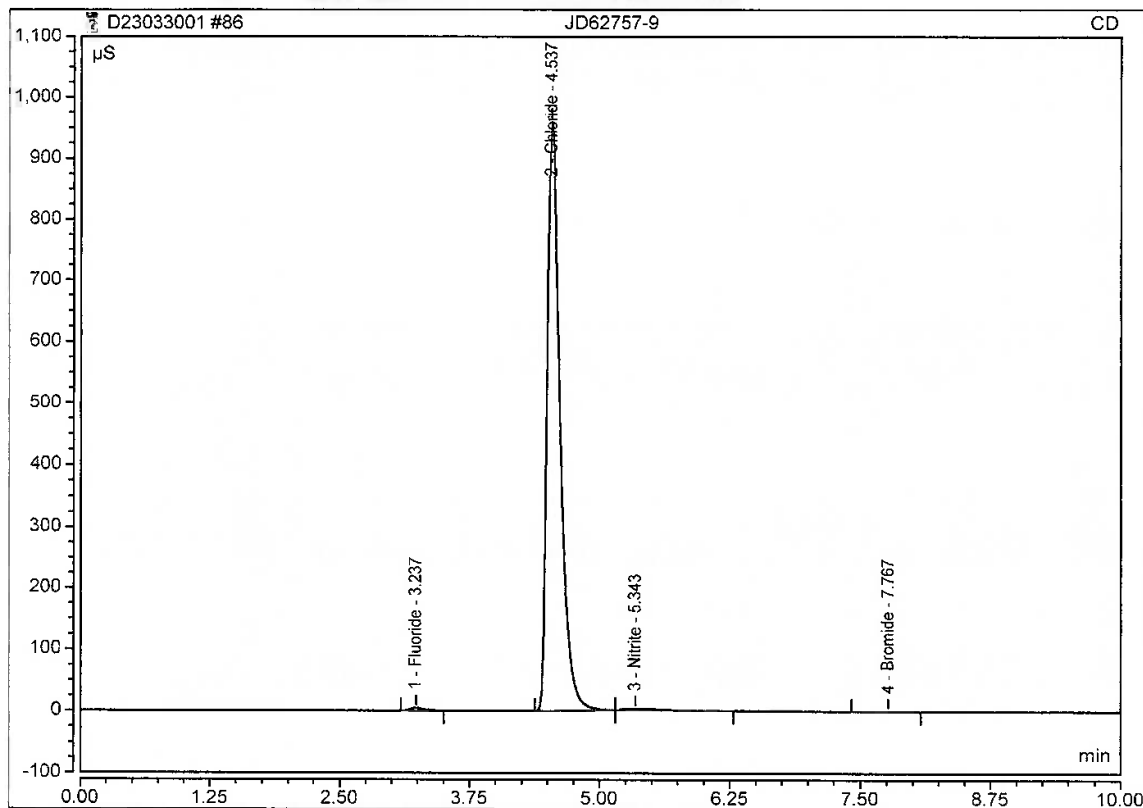
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Instrument: Integrion_1
Sequence: D23033001

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Peak Integration Report

Sample Name:	JD62757-9	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	31-Mar-2023 / 21:22	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount
1	3.24	Fluoride	BMB	0.649	4.556	1.6063
2	4.54	Chloride	BMB	138.281	960.587	435.5677
3	5.34	Nitrite	BMB	1.141	2.608	7.7002
4	7.77	Bromide	BMB	0.041	0.205	0.4283
TOTAL:				140.11	967.96	445.30



Anion/Integration

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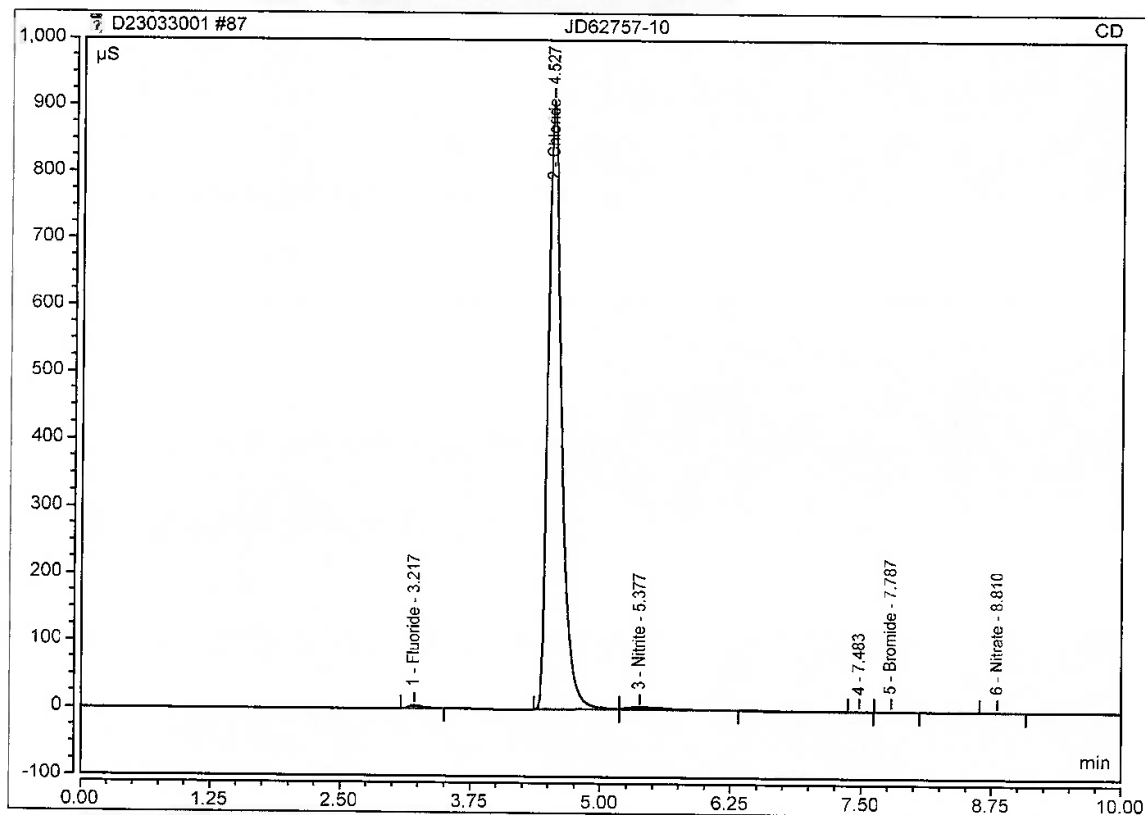
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Instrument: Integrion_1
Sequence: D23033001

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Peak Integration Report

Sample Name:	JD62757-10	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	31-Mar-2023 / 21:35	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	3.22	Fluoride	BMB	0.627	4.414	1.5541
2	4.53	Chloride	BMB	135.465	908.501	426.7031
3	5.38	Nitrite	BMB	1.068	2.392	7.2040
5	7.79	Bromide	BMB	0.017	0.095	0.2233
6	8.81	Nitrate	BMB	0.005	0.026	n.a.
TOTAL:				137.18	915.43	435.68



Anion/Integration

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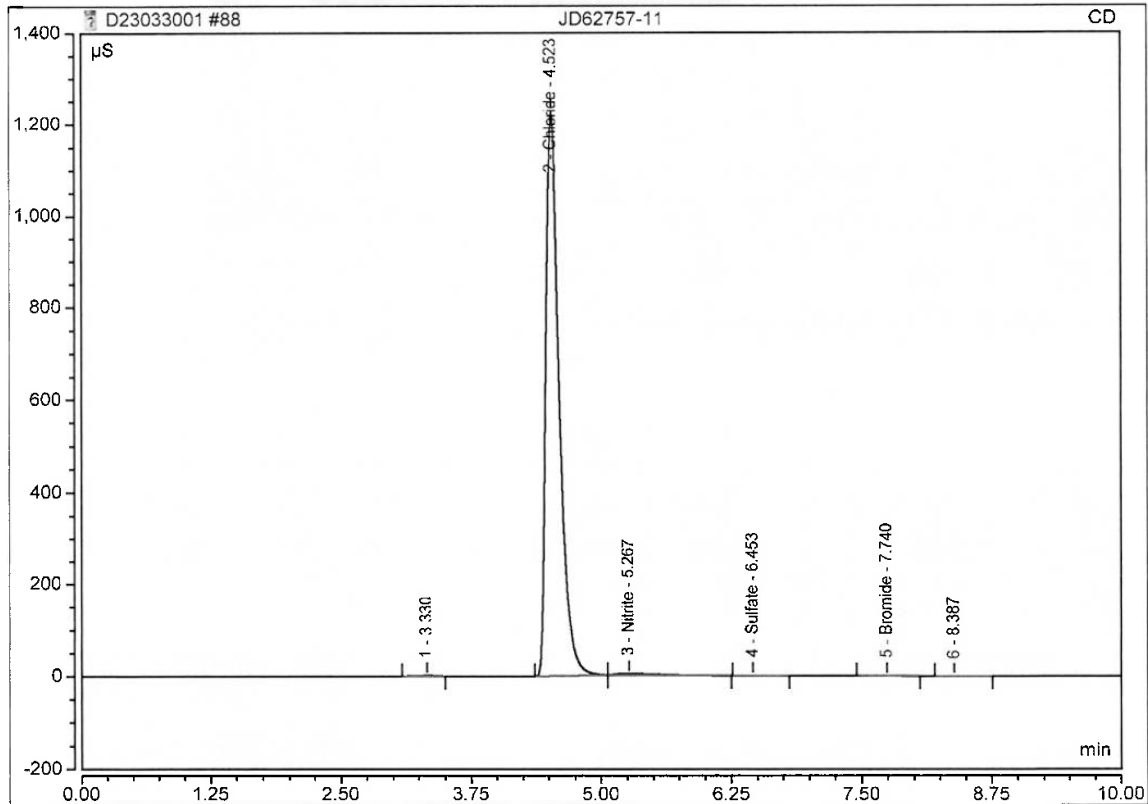
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Instrument: Integrion_1
Sequence: D23033001

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Peak Integration Report

Sample Name:	JD62757-11	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	31-Mar-2023 / 21:48	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	4.52	Chloride	BMB	179.115	1227.770	564.1182
3	5.27	Nitrite	BMB	1.716	3.467	11.6261
4	6.45	Sulfate	BMB	0.087	0.450	0.4901
5	7.74	Bromide	BMB	0.028	0.115	0.3197
TOTAL:				180.95	1231.80	576.55



Anion/Integration

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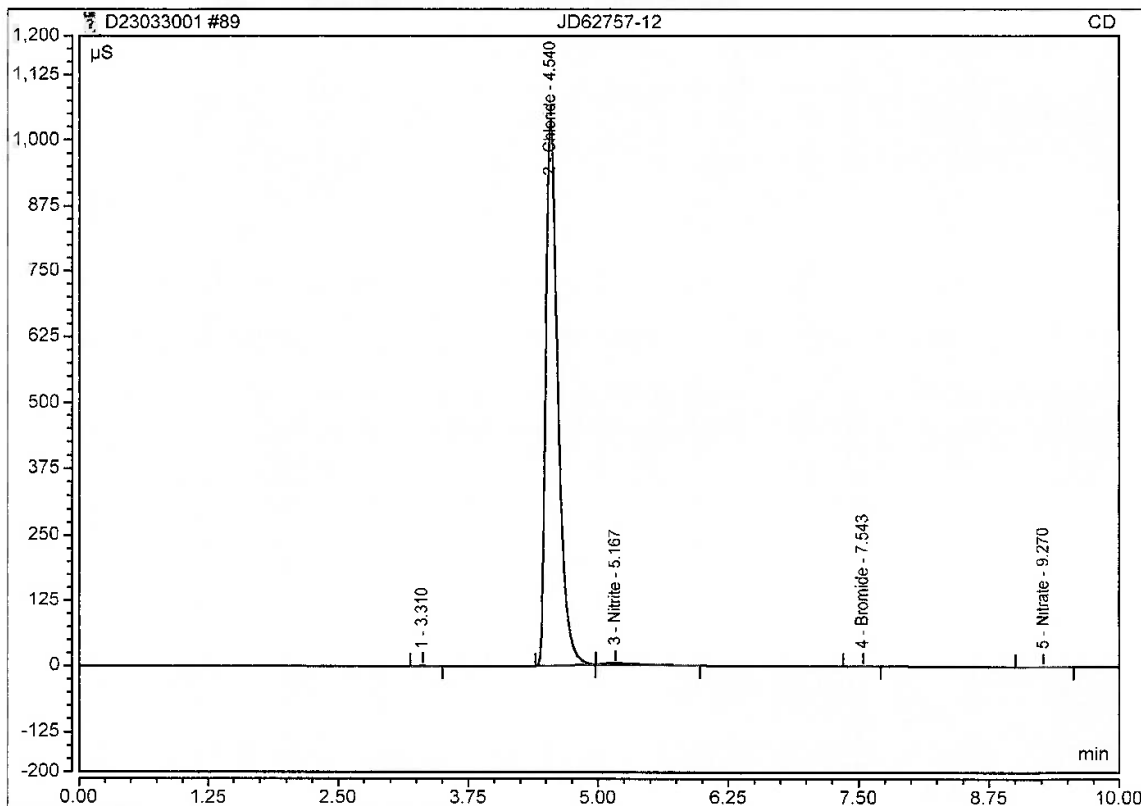
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Instrument: Integrion_1
Sequence: D23033001

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Peak Integration Report

Sample Name:	JD62757-12	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	31-Mar-2023 / 22:01	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	4.54	Chloride	BMB	141.315	1040.070	445.1193
3	5.17	Nitrite	BMB	1.328	2.830	8.9787
4	7.54	Bromide	BMB	0.010	0.057	0.1675
5	9.27	Nitrate	BMB	0.004	0.021	n.a.
TOTAL:				142.66	1042.98	454.27



Anion/Integration

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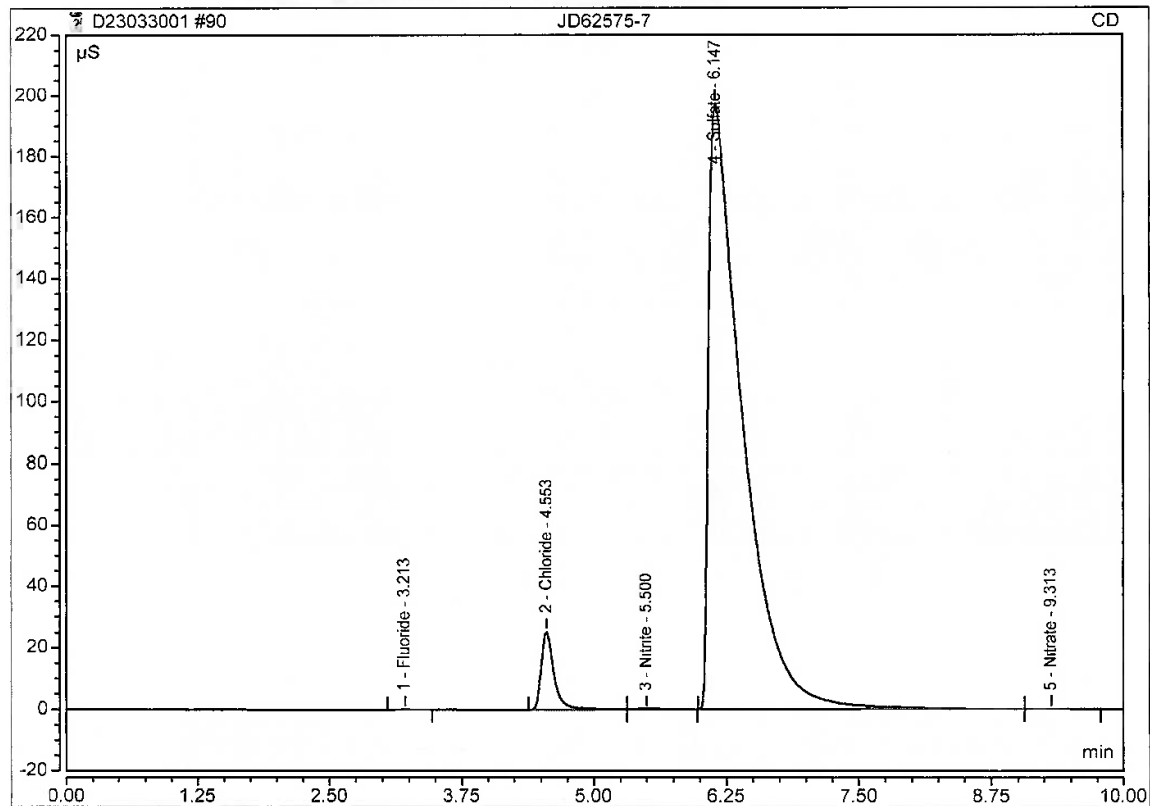
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Instrument: Integrion_1
Sequence: D23033001

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Peak Integration Report

Sample Name:	JD62575-7	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	32.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	31-Mar-2023 / 22:14	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	3.21	Fluoride	BMB	0.041	0.221	4.3973
2	4.55	Chloride	BMB	3.545	25.476	364.7702
3	5.50	Nitrite	bMB	0.047	0.158	7.3961
4	6.15	Sulfate	BMB	72.823	197.534	10286.6382
5	9.31	Nitrate	bMB	0.022	0.092	3.9766
TOTAL:				76.48	223.48	10667.18



Anion/Integration

Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

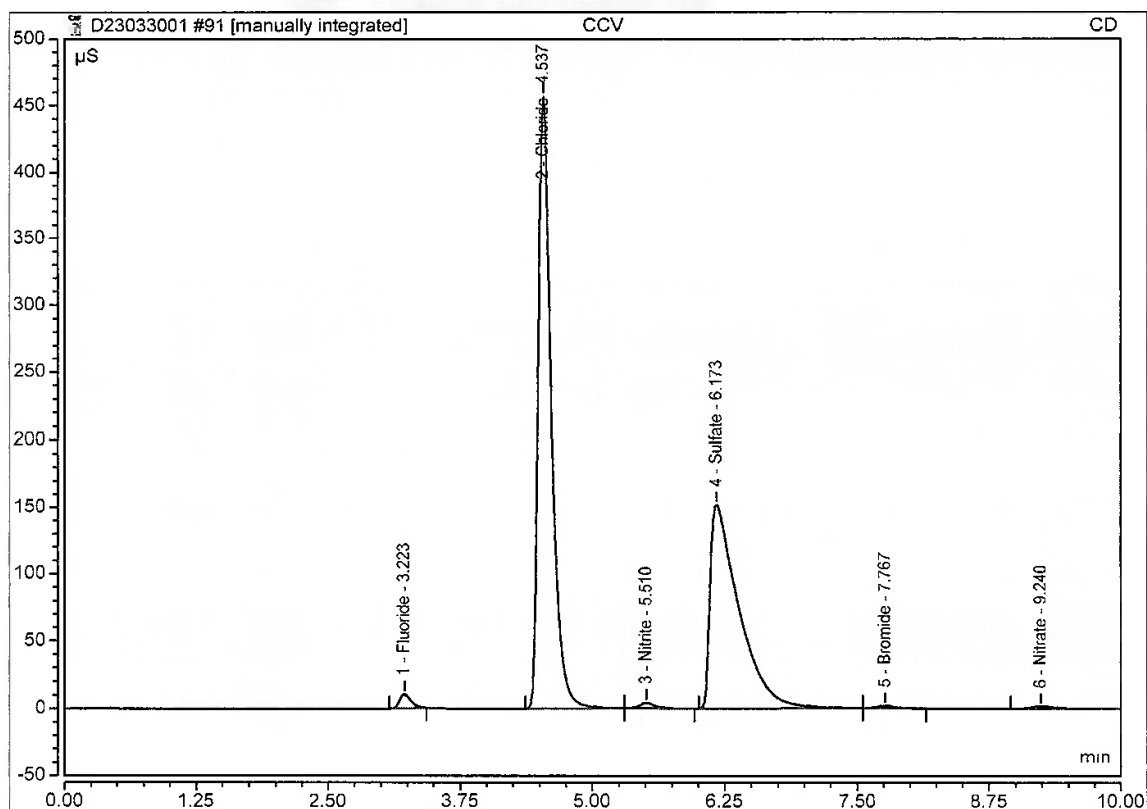
Logged on User: Chemistry
Instrument: Integron_1
Sequence: D23033001

Page 91 of 92
4/3/2023 10:39 AM

Peak Integration Report

Sample Name:	CCV	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	31-Mar-2023 / 22:27	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	3.22	Fluoride	BMB*	1.328	10.529	3.2483
2	4.54	Chloride	BMB	64.965	456.859	204.7582
3	5.51	Nitrite	bMB	0.643	4.136	4.3028
4	6.17	Sulfate	BMB	47.562	152.199	209.9867
5	7.77	Bromide	bMB	0.347	1.856	3.0457
6	9.24	Nitrate	BMB	0.460	1.894	3.8245
TOTAL:				115.30	627.47	429.17



Anion/Integration

Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

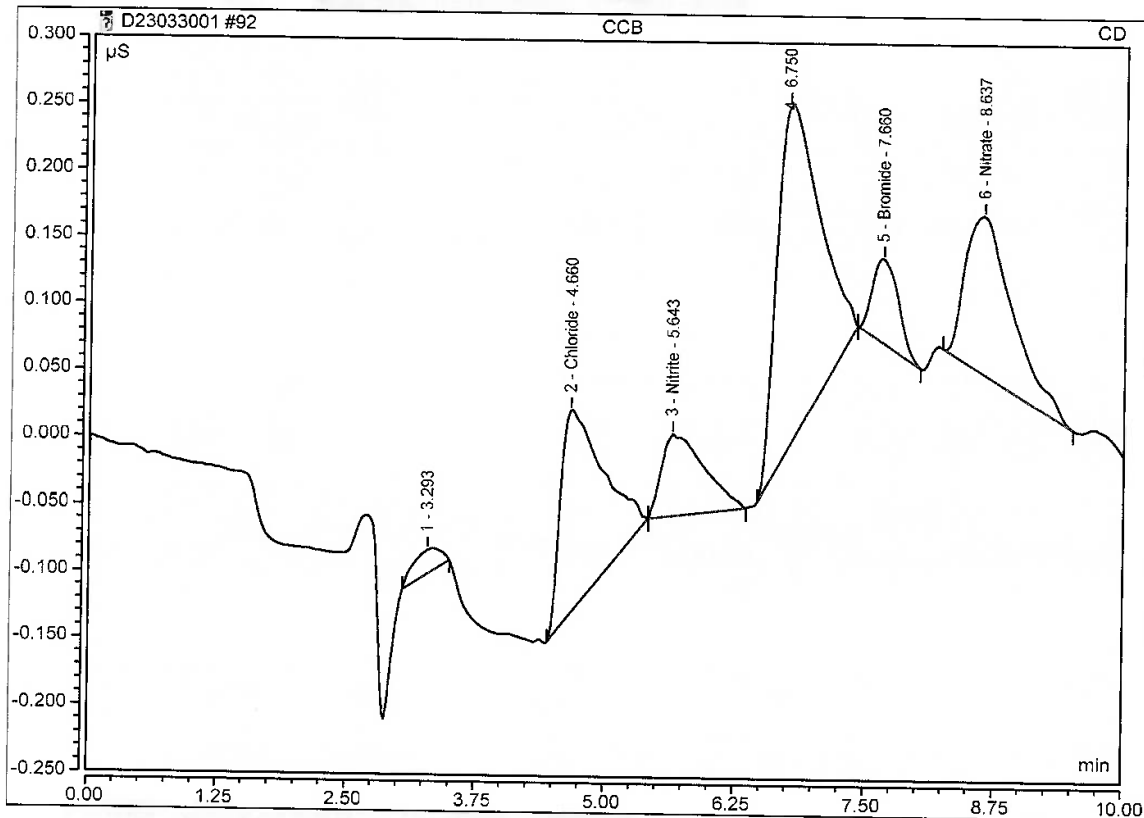
Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D23033001

Page 92 of 92
4/3/2023 10:39 AM

Peak Integration Report

Sample Name:	CCB	Inj. Vol.:	5000.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_012919	Operator:	Chemistry
Inj. Date / Time:	31-Mar-2023 / 22:40	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount
2	4.66	Chloride	BMB	0.070	0.152	0.4589
3	5.64	Nitrite	bMB	0.029	0.060	0.1061
5	7.66	Bromide	bMB	0.018	0.063	0.2367
6	8.64	Nitrate	BMB	0.063	0.118	0.4679
TOTAL:				0.18	0.39	1.27



Anion/Integration

Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Test: Iron, Ferrous
Product: FE2
Method: SM3500FE B-11

Units: mg/l

Analyst:	MARCINK
GN Batch ID:	GN39908
GP Batch ID:	N/A
Date:	4/2/2023
Instrument ID:	M

Instrument ID: M

[illegible]

Analyst: _____ Date: _____ QC Reviewer: _____ Date: _____

SGS

Test: IRON, FERROUS

Product: FE2

Method: SM18 3500FE B-2011 (aqueous)

Units: (mg/l)

Analyst: MK

GNBatch ID: GN39908

GPBatch ID:

Date: 4/2/23

Preparation Batch QC Summary

Units = mg/l

Method Blank ID: GN39908-1181 Date: 4/2/2023 Result: 40L DL: <DL:

Spike Blank ID: -81 Date: ↓ Result: 2.810 Spike: 3.00 %Rec.: 96.33 %

MS Blank ID: -51 Date: ↓ Results: 2.949 Samp. Result: 0.020 Spike: 3.0 %Rec.:

MS Duplicate ID: -MSD1 Date: ↓ Results: 2.941 Samp. Result: 0.000 Spike: 3.0 %Rec.: 97.37.

Duplicate ID: Date: Dup. Result: Samp. Result: %RPD:

Matrix spike Duplicate Result: Matrix spike Result: %RPD:

Analysis Batch QC Summary

Units =

ICV (Ext): 4/2/23 Result: 0.957 TV: 1.0 %Rec.: 95.77.

CCV: ↓ Result: 0.932 TV: 1.00 %Rec.: 93.27.

CCVA: ↓ Result: 5.903 TV: 6.00 %Rec.: 98.47.

CCV: Result: TV: 1.00 %Rec.:

CCVA: Result: TV: 6.00 %Rec.:

CCV: Result: TV: 1.00 %Rec.:

CCVA: Result: TV: 6.00 %Rec.:

CCB: Result: DL: <DL:

CCB: Result: DL: <DL:

CCB: Result: DL: <DL:

CCB: Result: DL: <DL:

CCB: Result: DL: <DL:

CCB: Result: DL: <DL:

Reagent Reference Numbers:

BSP/MS---1.5 ML OF 200PPM STOCK--100ML SAMPLE AND DI (WATER)

Analyst: Date:

Comments:

Form: GN032-01

Rev. Date: 9/4/09]



Reagent Information Log

Test Name: FERROUS IRON (FE2)

Reagent	Reagent # or Manufacturer/Lot
PHENANTHROLINE REAGENT (COLOR)	GNE-3/31/2023-FE2 XP 9/21/2023
AMMONIUM ACETATE(BUFFER)	GNE11-72375-FE2 XP 5/19/2023
FE2 STOCK(200mg/L)	GNE3-3/22/2023 XP 5/22/2023
ICV(200mg/L)	GNE3-3/22/2023 XP 5/22/2023
POTASSIUM PERMANGANATE (0.1 N)	GNE11-72376-FE2 XP 5/19/23
HYDOXYLAMINE HYDROCHLRIDE	GNE11-72374-FERROUS XP 9/19/23

All standards and stocks were made as described in the SOP for this method (circle one): Y or N
If no (N), see attached page for standards prep.

Form: GN087-01
Rev. Date:4/2/2023



GENERAL CHEMISTRY STANDARD PREPARATION LOG

Product: Fe2
GN or GP Number: _____

Reagent Standards		Tracking #		Expiration							
200 PPM FE2 STOCK 200 PPM FE2 ICV		GNE3-3/22/2023		5/22/2023							
		GNE3-3/22/2023		5/22/2023							
Intermediate Standard Description	Stock used to prepare standard	Stock concentration	Stock volume or weight used with units	Balance or Autopipet ID (*)	Additional Reagents	Diluent	Final Volume	Final Conc. of Intermediate (mg/l)	Expiration Date	Analyst	Date
10 PPM FE2 STD											
gn-4/2/2023	GNE3-3/22/2023	200 mg/L	5.00 mL	A		DI water	100mls	10.0	04/02/23	MK	04/02/23
10 PPM FE2 ICV											
gn-4/2/2023	GNE3-3/22/2023	200 mg/L	5.00 MI	A		DI water	100mls	10.0	04/02/23	MK	04/02/23
Standard Description	Intermediate or Stock used to prepare standard	Intermediate or Stock concentration	Intermediate or Stock volume used in ml	Balance or Autopipet ID (*)	Additional Reagents	Diluent	Final Volume	Final Conc. of Standard (mg/l)	Expiration Date	Analyst	Date
BLANK	NA	0 mg/l	0.00	A	2.00 ml of concentrated	DI water	100 ml	0.00	04/02/23	MK	04/02/23
0.10 mg/l	gn-4/2/2023	10 mg/l	1.00	A	HCL and 1.00	DI water	100 ml	0.10	04/02/23	MK	04/02/23
0.20 mg/l	gn-4/2/2023	10 mg/l	2.00	A	ml of	DI water	100 ml	0.20			
0.50 mg/l	gn-4/2/2023	10 mg/l	5.00	A	hydroxylamine	DI water	100 ml	0.50			
1.00 mg/l	gn-4/2/2023	10 mg/l	10.00	A	hydrochloride	DI water	100 ml	1.00			
2.00 mg/l	GNE3-3/22/2023	200 mg/l	1.00	A	added to each	DI water	100 ml	2.00			
4.00 mg/l	GNE3-3/22/2023	200 mg/l	2.00	A	standard.	DI water	100 ml	4.00			
6.00 mg/l	GNE3-3/22/2023	200 mg/l	3.00	A		DI water	100 ml	6.00	05/22/23	MK	04/02/23
ICV	gn-4/2/2023	10 mg/l	10.00	A		DI water	100 ml	1.00	04/02/23	MK	04/02/23
CCV	gn-4/2/2023	10 mg/l	10.00	A		DI water	100 ml	1.00	04/02/23	MK	04/02/23
CCVA	GNE3-3/22/2023	200 mg/l	3.00			DI water	100 ml	6.00	05/22/23	MK	04/02/23

* If Class A glass pipets are used, enter an A. For balances or autopipets, then enter the appropriate Accutest ID number.

Form: GN121-01
Rev. Date: 1/13/09

LABORATORY REVIEW SIGNATURE FORM
(To be stored with the raw data)File ID: 0230331W1.TXT
Analyst: MBDate Analyzed: 03/01/23
Run ID: GN39916

Methods: SM5310 B-11, SM5310 B-11/14

The following analyst(s) have reviewed this run and attest that, to the best of their knowledge, this documentation is complete and correct:

Analyst: MB Date 4-3-23

Analyst: _____ Date _____

Analyst: _____ Date _____

Analyst: _____ Date _____

Analyst: _____ Date _____

Analyst: _____ Date _____

Analyst: _____ Date _____

The following supervisor or their designee has reviewed this run and attests that, to the best of their knowledge, this documentation is complete and correct:

Supervisor (or designee):  Date 4/3/23

C:\TOC-L\lData\230331w1.toc.tlx

	Sample Name	Sample ID	Origin	Manual Dilution	Result	Comment
1	WASHCONF		TOCAQSW846.met	1.000	NPOC:0.5131mg/L	
2	CRI		TOCAQSW846.met	1.000	NPOC:1.097mg/L	
3	HSTD		TOCAQSW846.met	1.000	NPOC:47.05mg/L	
4	ICV		TOCAQSW846.met	1.000	NPOC:19.89mg/L	
5	ICB		TOCAQSW846.met	1.000	NPOC:0.3547mg/L	
6	CCV		TOCAQSW846.met	1.000	NPOC:22.99mg/L	
7	CCB		TOCAQSW846.met	1.000	NPOC:0.3092mg/L	
8	SPARGERCHK		TOCAQSW846.met	1.000	NPOC:0.3068mg/L	
9	GP45856-MB1	[toc]	TOCAQ.met	1.000	NPOC:0.8149mg/L	
10	GP45856-B1		TOCAQ.met	1.000	NPOC:9.343mg/L	
11	JD62800-1		TOCAQ.met	1.000	NPOC:1.196mg/L	
12	GP45856-S1	JD62800-1	TOCAQ.met	1.000	NPOC:9.196mg/L	
13	GP45856-MSD1	JD62800-1	TOCAQ.met	1.000	NPOC:9.487mg/L	
14	JD62800-2		TOCAQ.met	1.000	NPOC:3.895mg/L	
15	JD62800-3		TOCAQ.met	1.000	NPOC:6.549mg/L	
16	JD62800-4		TOCAQ.met	1.000	NPOC:0.6508mg/L	
17	JD62800-5	②	TOCAQ.met	1.000	NPOC:189.0mg/L	non-acidified, see rerun
18	CCVA		TOCAQ.met	1.000	NPOC:46.43mg/L	
19	CCB		TOCAQ.met	1.000	NPOC:0.7008mg/L	
20	JD62800-6	②	TOCAQ.met	1.000	NPOC:358.1mg/L	non-acidified, see rerun
21	JD62800-7		TOCAQ.met	1.000	NPOC:14.96mg/L	
22	JD62800-8		TOCAQ.met	1.000	NPOC:0.7392mg/L	
23	JD62800-9	field blank	TOCAQ.met	1.000	NPOC:0.4505mg/L	
24	GP45881-MB1	[doc]	TOCAQ.met	1.000	NPOC:0.1368mg/L	
25	GP45881-B1		TOCAQ.met	1.000	NPOC:9.592mg/L	
26	JD62888-2F		TOCAQ.met	1.000	NPOC:0.6218mg/L	
27	GP45881-S1	JD62888-2F	TOCAQ.met	1.000	NPOC:9.807mg/L	
28	GP45881-MSD1	JD62888-2F	TOCAQ.met	1.000	NPOC:9.703mg/L	
29	JD62888-4F	field blank	TOCAQ.met	1.000	NPOC:0.2537mg/L	
30	CCV		TOCAQ.met	1.000	NPOC:22.91mg/L	
31	CCB		TOCAQ.met	1.000	NPOC:0.5875mg/L	
32	JD62888-1F		TOCAQ.met	1.000	NPOC:1.017mg/L	
33	JD62888-3F		TOCAQ.met	1.000	NPOC:0.7451mg/L	
34	GP45915-MB1	[toc]	TOCAQ.met	1.000	NPOC:0.3734mg/L	
35	GP45915-B1		TOCAQ.met	1.000	NPOC:9.660mg/L	
36	JD62928-1		TOCAQ.met	1.000	NPOC:1.266mg/L	
37	GP45915-S1	JD62928-1	TOCAQ.met	1.000	NPOC:9.891mg/L	
38	GP45915-MSD1	JD62928-1	TOCAQ.met	1.000	NPOC:10.51mg/L	
39	JD62928-4	field blank	TOCAQ.met	1.000	NPOC:0.5833mg/L	
40	JD62928-2		TOCAQ.met	1.000	NPOC:2.618mg/L	
41	JD62928-3		TOCAQ.met	1.000	NPOC:1.072mg/L	
42	CCVA		TOCAQ.met	1.000	NPOC:46.47mg/L	
43	CCB		TOCAQ.met	1.000	NPOC:0.4340mg/L	
44	JD62929-1		TOCAQ.met	1.000	NPOC:2.236mg/L	
45	JD62929-2		TOCAQ.met	1.000	NPOC:5.310mg/L	
46	JD62929-3		TOCAQ.met	1.000	NPOC:0.8721mg/L	
47	CCV		TOCAQ.met	1.000	NPOC:22.98mg/L	
48	CCB		TOCAQ.met	1.000	NPOC:0.8250mg/L	
49	SPARGERCHK		TOCAQ.met	1.000	NPOC:0.4635mg/L	
50	CCVA		TOCAQ.met	1.000	NPOC:47.95mg/L	
51	CCB		TOCAQ.met	1.000	NPOC:0.6175mg/L	
52	JD62800-5	③	TOCAQ.met	1.000	NPOC:58.68mg/L	overrange, see rerun
53	JD62800-6	↓	TOCAQ.met	5.000	NPOC:277.5mg/L	overrange, see rerun

4/3/2023 12:14:34 PM

230331w1.toc

GN39916

MB

4-3-23

1/4

C:\TOC-L\Data\JD230331w1.toc.tlx

	Sample Name	Sample ID	Origin	Manual Dilution	Result	Comment
54	JD62800-5		TOCAQ.met	5.000	NPOC:58.56mg/L	
55	JD62800-6		TOCAQ.met	20.00	NPOC:280.6mg/L	
56	CCV		TOCAQ.met	1.000	NPOC:24.82mg/L	
57	CCB		TOCAQ.met	1.000	NPOC:0.4846mg/L	
58	SPARGERCHK		TOCAQ.met	1.000	NPOC:0.3626mg/L	

JD230331w1.toc

GN39916

MB

4-3-23



GN Batch ID: GN39916
Date: 3-31-23

Test: **Total Organic Carbon**

Product: TOC or DOC

JD30331 w/1. toC

Method: **SM5310 B, C, or D-11, SW846 9060M**

Note: Refer to raw data and LIMS for information not shown below.

Autosampler Position #	Sample ID	pH	Dilution Factor	Bottle #	Comments
1	WASHCONF	<2			
2	CRI				
3	HSTD				
4	ICV				
5	ICB				
6	CCV				
7	CCB				
8	SPARGERCHK				
9	GP45856-MB1			-	[toc]
10	GP45856-B1			-	
11	JD62800-1			31	
12	GP45856-S1			32	JD62800-1
13	GP45856-MSD1			32	JD62800-1
14	JD62800-2			13	
15	JD62800-3			13	
16	JD62800-4			13	
17	JD62800-5			13	
18	CCVA				
19	CCB				
20	JD62800-6			13	
21	JD62800-7			13	
22	JD62800-8			13	
23	JD62800-9			13	Field Blank
24	GP45881-MB1			-	[doc]
25	GP45881-B1			-	
26	JD62888-2F			6	
27	GP45881-S1			6	JD62888-2F

Analyst: MB Date: 4-3-23 QC Reviewer: _____ Date: _____

Comments: BSP: 500ul of 1000ppm KHP up to 50mL with DI H2O TV= 10 mg/L

MS/MSD: 200ul of 1000ppm KHP up to 20mL with sample TV=10 mg/L

ICV: 5mL of 100 ppm Sucrose up to 25mL with DI H2O TV=20 mg/L

Form: GN054-04

Rev. Date: 2/27/18

GN Batch ID: GN39916Date: 3-31-23Test: **Total Organic Carbon**Product: **TOC or DOC**Method: **SM5310 B, C, or D-11, SW846 9060M**

Note: Refer to raw data and LIMS for information not shown below.

Autosampler Position #	Sample ID	pH	Dilution Factor	Bottle #	Comments
28	GP45881-MSD1	<2		6	JD62888-2F
29	JD62888-4F			6	Field Blank
30	CCV				
31	CCB				
32	JD62888-1F			6	
33	JD62888-3F			6	
34	GP45915-MB1			-	[toc]
35	GP45915-B1			-	
36	JD62928-1			14	
37	GP45915-S1			14	JD62928-1
38	GP45915-MSD1			14	JD62928-1
39	JD62928-4			14	Field Blank
40	JD62928-2			14	
41	JD62928-3			14	
42	CCVA				
43	CCB				
44	JD62929-1			12	
45	JD62929-2			12	
46	JD62929-3			13	
47	CCV				
48	CCB				
49	SPARGERCHK				

 Analyst: MB Date: 4-3-23 QC Reviewer: [Signature] Date: 4/3/23
 Comments: _____

Form: GN054-04

Rev. Date: 2/27/18

Analyst MB Product TOC/DOC Autopipette # 53Date 4-3-23 Batch ID GN39916 Class A Vol. Flask

Sample Dilution Prep Log

Sample ID	Dilution	Initial Volume	Final Volume	Comments
JD62800-6	1:5	4mL	20mL	Rerun (GP45856), high reading
↓	1:20	1mL	↓	Rerun (GP45856)
JD62900-5	1:5	4mL	↓	↓

QC Reviewer:

Date: 4/3/23Form: GN165-01
Rev. Date: 2/25/03



Reagent Information Log - TOC/DOC

GN39916

Reagent	Expiration Date	Reagent # or Manufacturer/Lot
Potassium Hydrogen Phthalate (KHP), Stock Solution 1000 mg/L	4/13/2023	GNE1-72979-TOC
Carbonate/Bicarbonate Stock Solution	4/13/2023	GNE1-72982-TOC
Sparger Check Solution	4/13/2023	GNE3-70727-TOC
CCV Solution	4/14/2023	GNE3-70678-TOC
CCVA Solution (50 ppm)	4/14/2023	GNE3-70679-TOC
CRI Check	4/13/2023	GNE3-70729-TOC
HCl	4/10/2024	VWR CHEMICALS LOT #2022041418
pH Hydron Paper	8/1/2024	FISHER LOT #222221
Sucrose Stock Solution	4/14/2023	GNE3-70676-TOC

All standards and stocks were made as described in the SOP for this method (circle one): ☒ Y or N
If no (N), see attached page for standards prep.

Form: GN087A67-043

Rev Date: 3/17/2023

GENERAL CHEMISTRY STANDARD PREPARATION LOG FOR TOC (AQ)

SGS

Product: TOC

Analyst: MB

Date: 4-3-23

GN/GP number: GN39916

Intermediate Standard Description	Stock used to prepare standard	Stock concentration (mg/L)	Stock volume used (mL or g)	Balance/Pipette ID*	Diluent(a)	Final Volume	Final Conc. of Intermediate (mg/L)	Expiration Date	Analyst	Date
GNE1-72879-TOC	Fisher Lot: 178879	KHP	2.1528 g	B-39	DI H2O	1000 mL	1000 ppm	4/13/2023	MB	1/12/2023
GNE3-70728-TOC	GNE1-72979-TOC	1000 ppm	20 mL	Class A Pipet	DI H2O	200 mL	100 ppm	4/13/2023	MB	3/28/2023
GNE3-70676-TOC	Fisher Lot: 210554	Sucrose	0.0486 g	B-39	DI H2O	200 mL	100 ppm	4/14/2023	MB	3/17/2023
Standard Description	Intermediate or Stock used to prepare standard	Intermediate or Stock concentration (mg/L)	Intermediate or Stock volume used (mL)	Balance/Pipette ID*	Diluent	Final Volume	Final Conc. of Standard (mg/L)	Expiration Date	Analyst	Date
KHP STDs										
GNE3-70729-TOC	GNE3-70728-TOC	100 ppm	1.0	Class A Pipet	DI H2O	100 mL	1.0	4/13/2023	MB	3/28/2023
GNE3-70730-TOC	GNE3-70728-TOC	100 ppm	2.0	Class A Pipet	DI H2O	100 mL	2.0	4/13/2023	MB	3/28/2023
GNE3-70731-TOC	GNE3-70728-TOC	100 ppm	5.0	Class A Pipet	DI H2O	100 mL	5.0	4/13/2023	MB	3/28/2023
GNE3-70732-TOC	GNE3-70728-TOC	100 ppm	10.0	Class A Pipet	DI H2O	100 mL	10.0	4/13/2023	MB	3/28/2023
GNE3-70733-TOC	GNE3-70728-TOC	100 ppm	20.0	Class A Pipet	DI H2O	100 mL	20.0	4/13/2023	MB	3/28/2023
GNE3-70734-TOC	GNE3-70728-TOC	100 ppm	30.0	Class A Pipet	DI H2O	100 mL	30.0	4/13/2023	MB	3/28/2023
GNE3-70735-TOC	GNE3-70728-TOC	100 ppm	50.0	Class A Pipet	DI H2O	100 mL	50.0	4/13/2023	MB	3/28/2023
KHP STDs										
GNE3-70677-TOC	Acros Lot: A0383564	KHP	0.2307 g	B-39	DI H2O	100 mL	100 ppm	4/14/2023	MB	3/17/2023
GNE3-70678-TOC	GNE3-70677-TOC	100 ppm	50 mL	Class A Pipet	DI H2O	100 mL	25 ppm	4/14/2023	MB	3/17/2023
GNE3-70679-TOC	GNE3-70677-TOC	100 ppm	100 mL	Class A Pipet	DI H2O	100 mL	50 ppm	4/14/2023	MB	3/17/2023

*If Class A glass pipettes are used, enter an A.

(a) Diluent reagent reference number:

Expiration date:

(a) Diluted reagent reference number. All strikeouts must be initialed, dated, and reason applied if not transcription error.

Form: GN199-02
Rev. Date: 3/17/2023

TOC-Control L Report

Chem56
d230201w1.toc.tlx

Instr. Information

Instrument Options
CatalystTOC/ASI/Spurge Kit/
Regular Sensitivity

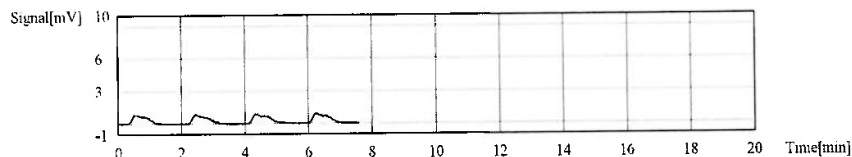
Cal. Curve

Sample Name:
Sample ID:
Cal. Curve:
StatusUntitled
Untitled
d230201w1.2023_02_01_11_45_27.cal
Completed

Type	Anal.
Standard	NPOC

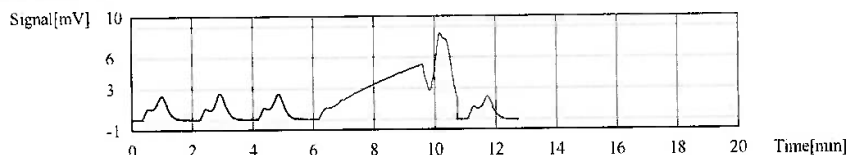
Conc: 0.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	2.806	100uL	1.000	*****		2/1/2023 11:50:08 AM
2	2.648	100uL	1.000	*****		2/1/2023 11:52:23 AM
3	2.915	100uL	1.000	*****		2/1/2023 11:54:38 AM
4	2.824	100uL	1.000	*****		2/1/2023 11:56:53 AM

Acid Add. 0.000%
Sp. Time 600.0sec
Mean Area 2.798

Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	7.402	100uL	1.000	*****		2/1/2023 12:01:30 PM
2	7.958	100uL	1.000	*****		2/1/2023 12:03:47 PM
3	7.954	100uL	1.000	*****		2/1/2023 12:06:08 PM
4	57.64	100uL	1.000	T*****	E	2/1/2023 12:11:23 PM
5	7.582	100uL	1.000	*****		2/1/2023 12:14:09 PM

Acid Add. 0.000%
Sp. Time 600.0sec
Mean Area 7.719

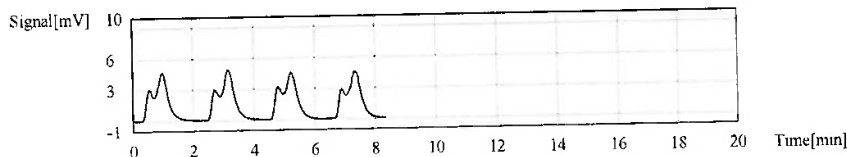
Conc: 2.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	16.98	100uL	1.000	*****		2/1/2023 12:18:47 PM
2	17.18	100uL	1.000	*****		2/1/2023 12:21:13 PM
3	17.02	100uL	1.000	*****		2/1/2023 12:23:41 PM
4	16.83	100uL	1.000	*****		2/1/2023 12:26:00 PM

TOC-Control L Report

Chem36
d230201w1.toc.rlx

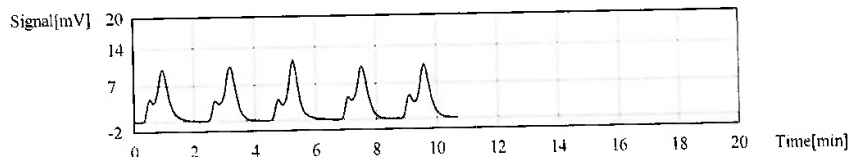
Acid Add. 0.000%
Sp. Time 600.0sec
Mean Area 17.00



Conc: 5.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	32.71	100uL	1.000	*****	E	2/1/2023 12:30:53 PM
2	33.99	100uL	1.000	*****		2/1/2023 12:33:18 PM
3	34.26	100uL	1.000	*****		2/1/2023 12:35:58 PM
4	33.02	100uL	1.000	*****		2/1/2023 12:38:19 PM
5	33.81	100uL	1.000	*****		2/1/2023 12:40:48 PM

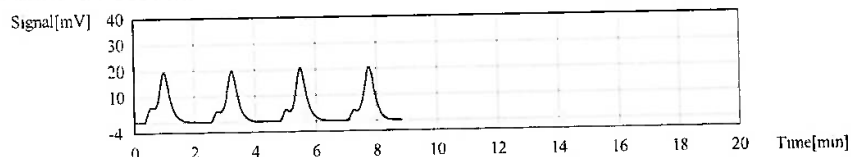
Acid Add. 0.000%
Sp. Time 600.0sec
Mean Area 33.77



Conc: 10.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	58.33	100uL	1.000	*****		2/1/2023 12:45:28 PM
2	58.49	100uL	1.000	*****		2/1/2023 12:48:06 PM
3	58.80	100uL	1.000	*****		2/1/2023 12:50:42 PM
4	58.79	100uL	1.000	*****		2/1/2023 12:53:08 PM

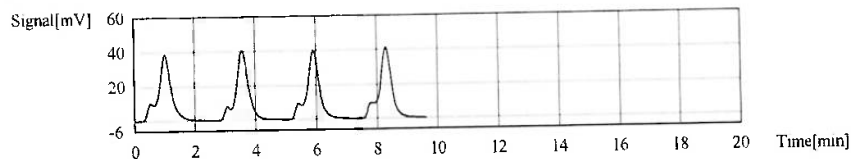
Acid Add. 0.000%
Sp. Time 600.0sec
Mean Area 58.60



Conc: 20.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	116.5	100uL	1.000	*****		2/1/2023 12:58:24 PM
2	117.3	100uL	1.000	*****		2/1/2023 1:01:04 PM
3	116.9	100uL	1.000	*****		2/1/2023 1:03:48 PM
4	117.7	100uL	1.000	*****		2/1/2023 1:06:32 PM

Acid Add. 0.000%
Sp. Time 600.0sec
Mean Area 117.1



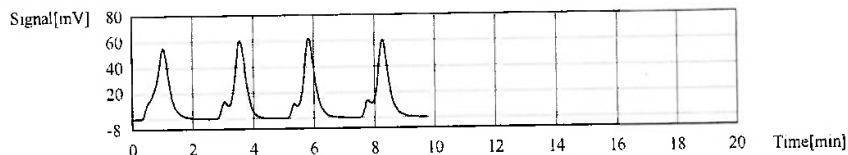
Conc: 30.000mg/L

TOC-Control L Report

Chem56
d230201w1 toc.tlx

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	174.8	100uL	1.000	*****		2/1/2023 1:11:44 PM
2	174.5	100uL	1.000	*****		2/1/2023 1:14:24 PM
3	176.4	100uL	1.000	*****		2/1/2023 1:17:10 PM
4	176.3	100uL	1.000	*****		2/1/2023 1:20:00 PM

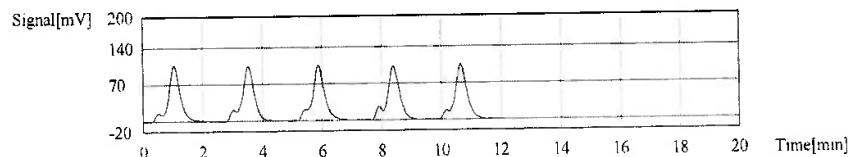
Acid Add. 0.000%
Sp. Time 600.0sec
Mean Area 175.5



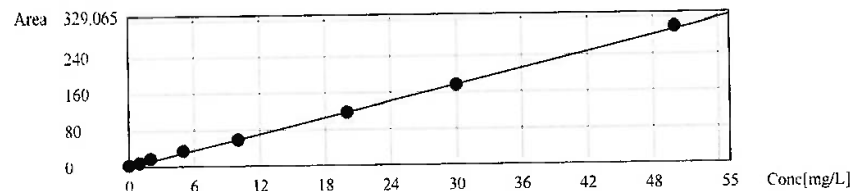
Conc: 50.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	292.2	100uL	1.000	*****	E	2/1/2023 1:25:12 PM
2	299.6	100uL	1.000	*****		2/1/2023 1:27:56 PM
3	301.2	100uL	1.000	*****		2/1/2023 1:30:48 PM
4	295.9	100uL	1.000	*****		2/1/2023 1:33:24 PM
5	299.9	100uL	1.000	*****		2/1/2023 1:36:10 PM

Acid Add. 0.000%
Sp. Time 600.0sec
Mean Area 299.2



Slope: 5.875
Intercept 0.000
 r^2 0.9994
 r 0.9997
Zero Shift Yes



TOC-Control L Report

Chem56
d230331w1 toc tlx

Instr. Information

Instrument Options
Catalyst:TOC/ASI/Spurge Kit/
Regular Sensitivity

Sample

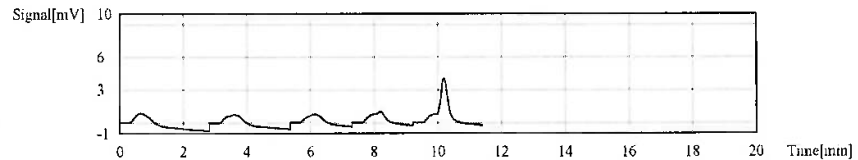
Sample Name: WASHCONF
Sample ID:
Origin: TOCAQSW846.met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 0.5131mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.179	0.3709mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/1/2023 9:28:51 AM
2	3.358	0.5715mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/1/2023 9:31:38 AM
3	2.618	0.4966mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/1/2023 9:33:55 AM
4	3.605	0.6136mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/1/2023 9:36:05 AM
5	8.560	1.457mg/L	100uL	1.000	E	d230201w1 2023_02_01_11_45_27 cal	3/1/2023 9:38:31 AM

Mean Conc. 0.5131mg/L
CV Conc 20.75%

Sample

Sample Name: CRI
Sample ID:
Origin: TOCAQSW846.met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 1.097mg/L

1. Det

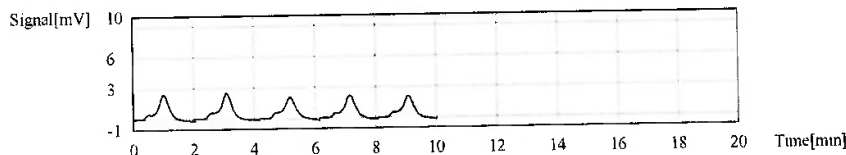
Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.943	1.182mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/1/2023 9:44:02 AM
2	7.321	1.246mg/L	100uL	1.000	E	d230201w1 2023_02_01_11_45_27 cal	3/1/2023 9:46:26 AM
3	6.342	1.079mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/1/2023 9:48:39 AM
4	6.418	1.092mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/1/2023 9:50:52 AM
5	6.077	1.034mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/1/2023 9:53:04 AM

1:30

4/3/2023 12:14:47 PM

TOC-Control L Report

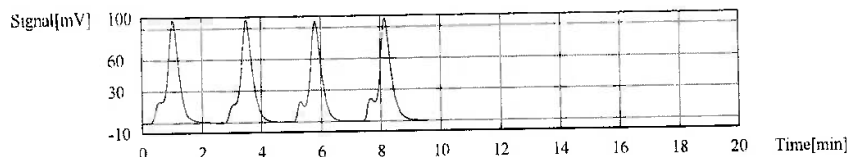
Chem56
d230331w1.toc.tlxMean Conc. 1.097mg/L
CV Conc 5.63%**Sample**Sample Name: HSTD
Sample ID: TOCAQSW846 met
Origin: Completed
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 47.05mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	277.7	47.26mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/1/2023 9:59:00 AM
2	278.4	47.38mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/1/2023 10:01:34 AM
3	271.5	46.21mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/1/2023 10:04:11 AM
4	278.2	47.35mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/1/2023 10:06:52 AM

Mean Conc. 47.05mg/L
CV Conc 1.20%**Sample**Sample Name: ICV
Sample ID: TOCAQSW 846 met
Origin: Completed
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 19.89mg/L

1. Det

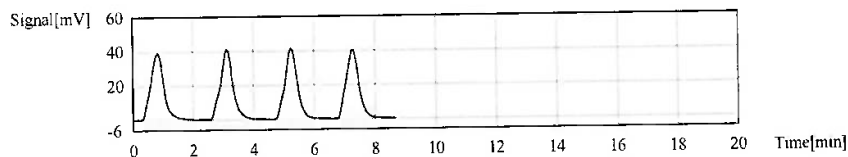
Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	117.1	19.93mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/1/2023 10:30:58 AM
2	116.8	19.88mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/1/2023 10:33:18 AM
3	116.8	19.88mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/1/2023 10:35:32 AM
4	116.8	19.88mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/1/2023 10:37:54 AM

2/30

3/3/2023 12:14:47 PM

TOC-Control L Report

Chem56
d230331w1.toc.tifMean Conc. 19.89mg/L
CV Conc 0.13%

Sample

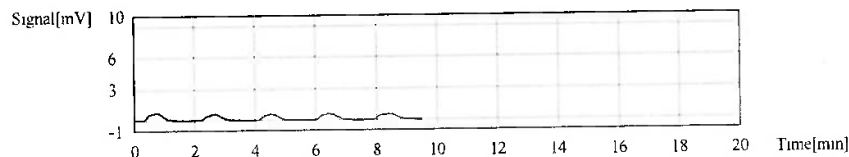
Sample Name: ICB
Sample ID: TOCAQSW846 met
Origin: Completed
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC: 0.3547mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.269	0.3862mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/1/2023 10:43:21 AM
2	1.999	0.3402mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/1/2023 10:45:26 AM
3	1.770	0.3013mg/L	100uL	1.000	E	d230201w1 2023_02_01_11_45_27 cal	3/1/2023 10:47:51 AM
4	2.034	0.3462mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/1/2023 10:49:36 AM
5	2.033	0.3464mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/1/2023 10:51:41 AM

Mean Conc. 0.3547mg/L
CV Conc 5.96%

Sample

Sample Name: CCV
Sample ID: TOCAQSW846 met
Origin: Completed
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC: 22.99mg/L

1. Det

Anal.: NPOC

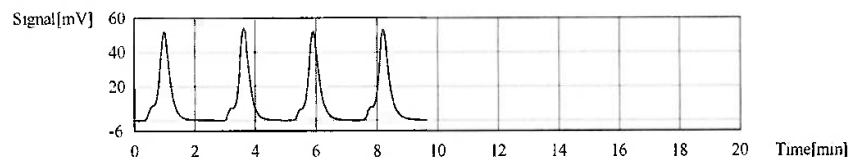
3/30

4/3/2023 12:14:47 PM

TOC-Control L Report

Chem56
d230331w1.toc.tlx

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	134.2	22.84mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 12:08:40 PM
2	136.0	23.15mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 12:11:22 PM
3	135.1	22.99mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 12:13:55 PM
4	135.1	22.99mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 12:16:52 PM

Mean Conc. 22.99mg/L
CV Conc 0.54%

Sample

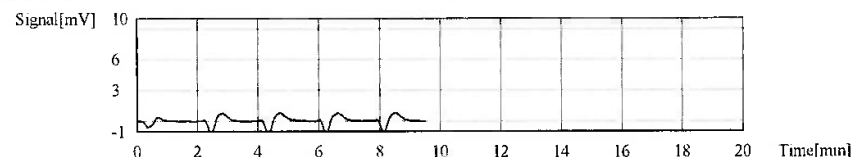
Sample Name: CCB
Sample ID:
Origin: TOCAQSW846.met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 0.3092mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.491	0.2538mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 12:22:07 PM
2	4.765	0.8110mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 12:24:12 PM
3	5.607	0.9543mg/L	100uL	1.000	E	d230201w1 2023_02_01_11_45_27 cal	3/31/2023 12:26:17 PM
4	0.4805	0.06816mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 12:28:22 PM
5	0.6100	0.1058mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 12:30:27 PM

Mean Conc. 0.3092mg/L
CV Conc 111.28%

Sample

Sample Name: SPARGERCHK
Sample ID:
Origin: TOCAQSW846.met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 0.3068mg/L

1. Det

4:30

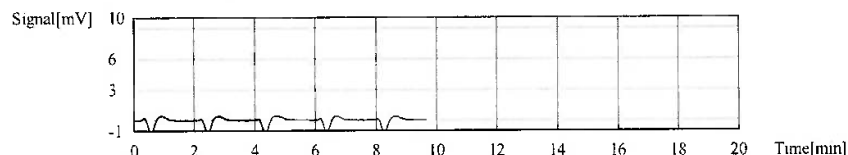
4/3/2023 12:14:47 PM

TOC-Control L Report

Chem56
d230331w1 toc tlx

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.000	0.000mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 12:35:58 PM
2	5.632	0.6182mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 12:38:03 PM
3	5.422	0.9228mg/L	100uL	1.000	E	d230201w1 2023_02_01_11_45_27 cal	3/31/2023 12:40:16 PM
4	0.000	0.000mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 12:42:21 PM
5	5.579	0.6091mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 12:44:26 PM

Mean Conc. 0.3068mg/L
CV Conc 115.48%

Sample

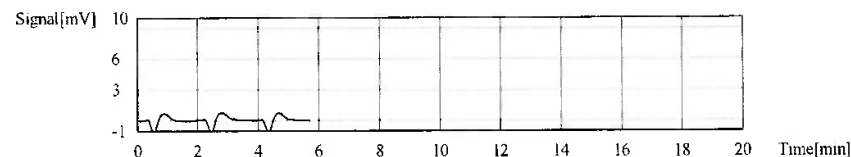
Sample Name: GP45856-MB1
Sample ID: (toc)
Origin: TOCAQ met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 0.8149mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.3410	0.05804mg/L	100uL	1.000	E	d230201w1 2023_02_01_11_45_27 cal	3/31/2023 12:49:10 PM
2	4.968	0.8455mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 12:51:13 PM
3	4.608	0.7843mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 12:53:20 PM

Mean Conc. 0.8149mg/L
CV Conc 5.32%

Sample

Sample Name: GP45856-B1
Sample ID:
Origin: TOCAQ met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 0.343mg/L

1. Det

5/30

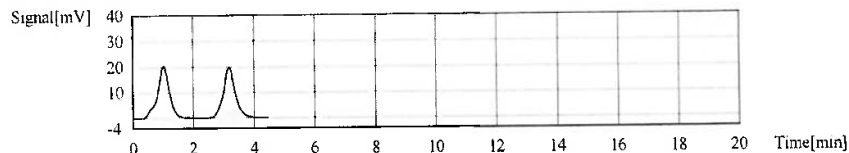
4/3/2023 12:14:47 PM

TOC-Control L Report

Chem36
d230331w1.toc.thx

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	55.52	9.449mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 3:43:42 PM
2	54.27	9.237mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 3:46:05 PM

Mean Conc. 9.343mg/L
CV Conc 1.61%

Sample

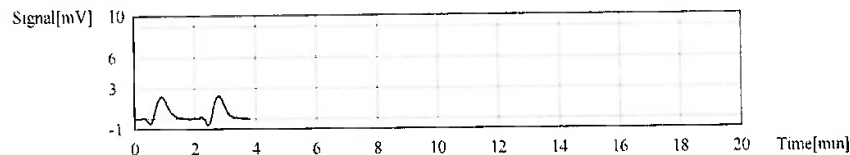
Sample Name: JD62800-1
Sample ID: TOCAQ met
Origin: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 1.196mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.086	1.206mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 5:12:28 PM
2	6.974	1.187mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 5:14:34 PM

Mean Conc. 1.196mg/L
CV Conc 1.13%

Sample

Sample Name: GP45856-S1
Sample ID: JD62800-1
Origin: TOCAQ met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 9.196mg/L

1. Det

Anal.: NPOC

6/30

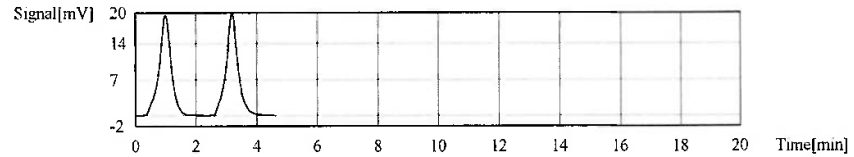
4/3/2023 12:14:47 PM

9.6
6

TOC-Control L Report

Chem36
d230331w1 toc tit

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	54.20	9.225mg/L	100ul	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 5:23:56 PM
2	53.86	9.167mg/L	100ul	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 5:26:30 PM

Mean Conc. 9.196mg/L
CV Conc 0.44%

Sample

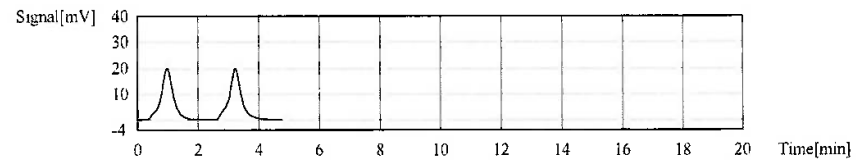
Sample Name: GP45856-MSD1
Sample ID: JD62800-1
Origin: TOCAQ met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 9.487mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	55.60	9.463mg/L	100ul	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 5:35:07 PM
2	55.88	9.511mg/L	100ul	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 5:37:48 PM

Mean Conc. 9.487mg/L
CV Conc 0.36%

Sample

Sample Name: JD62800-2
Sample ID: JD62800-2
Origin: TOCAQ met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 3.895mg/L

1. Det

Anal.: NPOC

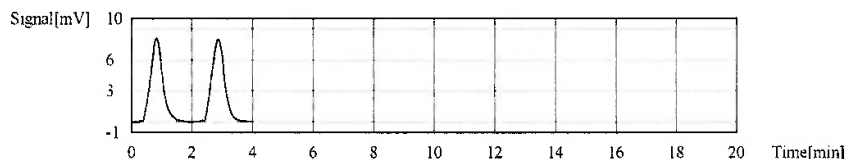
7/30

4/3/2023 12:14:47 PM

TOC-Control L Report

Chem36
d230331w1.toc.tlx

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	23.15	3.940mg/L	100ul	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 5:46:04 PM
2	22.62	3.850mg/L	100ul	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 5:48:14 PM

Mean Conc. 3.895mg/L
CV Conc 1.64%

Sample

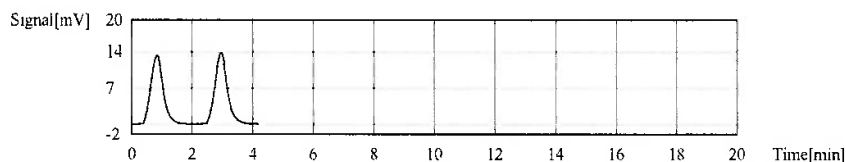
Sample Name: JD62800-3
Sample ID:
Origin: TOCAQ met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 6.549mg/L

1. Det

Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	38.44	6.542mg/L	100ul	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 5:57:17 PM
2	38.52	6.556mg/L	100ul	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 5:59:32 PM

Mean Conc. 6.549mg/L
CV Conc 0.15%

Sample

Sample Name: JD62800-4
Sample ID:
Origin: TOCAQ met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 0.6508mg/L

1. Det

Anal. NPOC

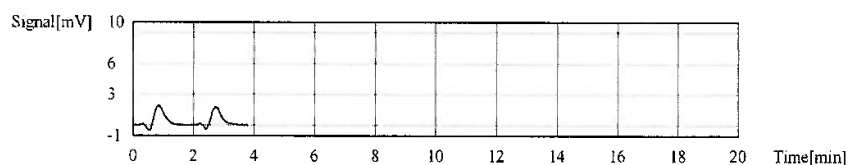
8/50

4/3/2023 12:14:47 PM

TOC-Control L Report

Chem36
d230331w1 toc.tlx

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.923	0.6677mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 6:08:15 PM
2	3.725	0.6340mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 6:10:20 PM

Mean Conc. 0.6508mg/L
CV Conc 3.66%

Sample

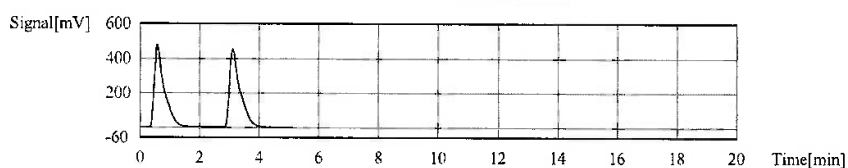
Sample Name: JD62800-5
Sample ID:
Origin: TOCAQ met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 189.0mg/L

1. Det

Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1089	185.3mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 6:20:01 PM
2	1132	192.7mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 6:22:56 PM

Mean Conc. 189.0mg/L
CV Conc 2.74%

Sample

Sample Name: CCVA
Sample ID:
Origin: TOCAQ met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 46.43mg/L

1. Det

Anal. NPOC

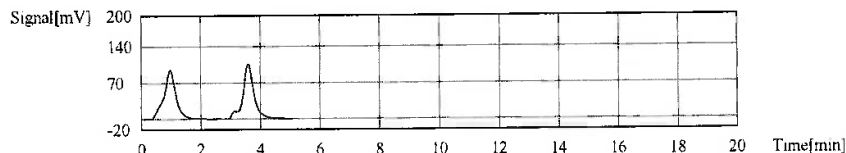
9/30

4/3/2023 12:14:47 PM

TOC-Control L Report

Chem56
d230331w1 toc ilx

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	270.4	46.02mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 6:31:14 PM
2	275.2	46.84mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 6:34:00 PM

Mean Conc. 46.43mg/L
CV Conc 1.34%

Sample

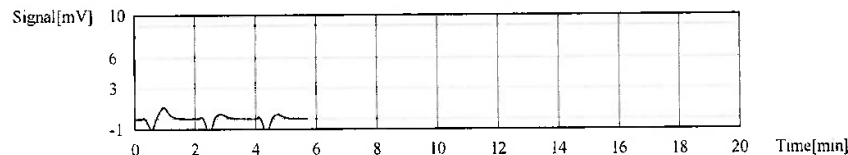
Sample Name: CCB
Sample ID:
Origin: TOCAQ.met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 0.7008mg/L

1. Det

Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.271	0.8971mg/L	100uL	1.000	E	d230201w1 2023_02_01_11_45_27 cal	3/31/2023 6:41:43 PM
2	4.463	0.7596mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 6:43:48 PM
3	3.772	0.6420mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 6:45:53 PM

Mean Conc. 0.7008mg/L
CV Conc 11.87%

Sample

Sample Name: JD62800-6
Sample ID:
Origin: TOCAQ.met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 358.1mg/L

1. Det

Anal. NPOC

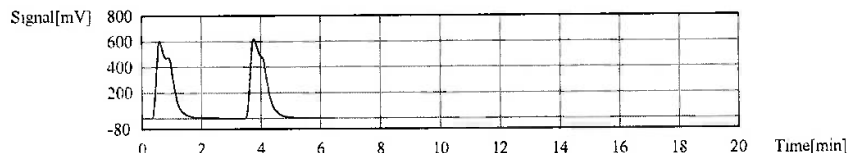
10/30

4/3/2023 12:14:47 PM

TOC-Control L Report

Chem56
d230331w1 toc tbx

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2080	354.0mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 6:54:07 PM
2	2128	362.2mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 6:58:01 PM

Mean Conc. 358.1mg/L
CV Conc 1.61%

Sample

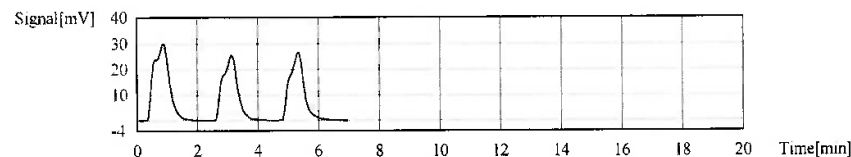
Sample Name: JD62800-7
Sample ID:
Origin: TOCAQ met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 14.96mg/L

1. Det

Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	108.0	18.38mg/L	100uL	1.000	E	d230201w1 2023_02_01_11_45_27 cal	3/31/2023 7:04:23 PM
2	87.02	14.81mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 7:06:46 PM
3	88.78	15.11mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 7:09:27 PM

Mean Conc. 14.96mg/L
CV Conc 1.42%

Sample

Sample Name: JD62800-8
Sample ID:
Origin: TOCAQ met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 0.7392mg/L

1. Det

Anal. NPOC

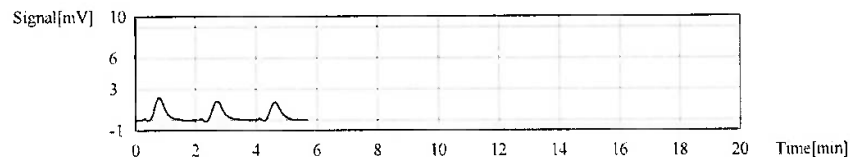
11:30

4/3/2023 12:14:47 PM

TOC-Control L Report

Chem36
d230331w1 loc.tlx

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.344	0.9095mg/L	100uL	1.000	E	d230201w1 2023_02_01_11_45_27 cal	3/31/2023 7:15:11 PM
2	4.416	0.7516mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 7:17:20 PM
3	4.270	0.7267mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 7:19:25 PM

Mean Conc. 0.7392mg/L
CV Conc 2.38%

Sample

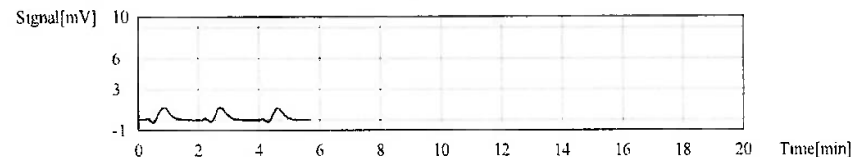
Sample Name: JD62800-9
Sample ID: field blank
Origin: TOCAQ met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 0.4505mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.760	0.4697mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 7:26:27 PM
2	3.086	0.5252mg/L	100uL	1.000	E	d230201w1 2023_02_01_11_45_27 cal	3/31/2023 7:28:32 PM
3	2.534	0.4313mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 7:30:37 PM

Mean Conc. 0.4505mg/L
CV Conc 6.04%

Sample

Sample Name: GP45881-MB1
Sample ID: [doc]
Origin: TOCAQ met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 0.1368mg/L

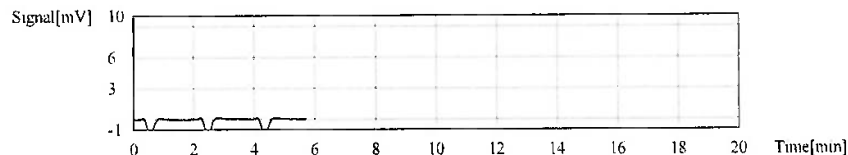
1. Det

Anal.: NPOC

TOC-Control L Report

Chem36
d230201w1 toc.tlx

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.411	0.4103mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 7:37:29 PM
2	0.000	0.000mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 7:39:39 PM
3	0.000	0.000mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 7:41:44 PM

Mean Conc. 0.1568mg/L
CV Conc 173.21%

Sample

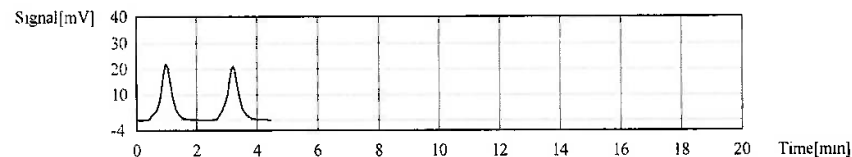
Sample Name: GP45881-B1
Sample ID:
Origin: TOCAQ met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 0.592mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	56.16	9.558mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 7:49:00 PM
2	56.56	9.626mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 7:51:22 PM

Mean Conc. 9.592mg/L
CV Conc 0.50%

Sample

Sample Name: JD62888-2F
Sample ID:
Origin: TOCAQ met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 0.6218mg/L

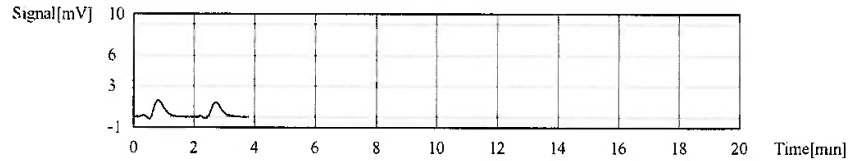
1. Det

Anal.: NPOC

TOC-Control L Report

Chem56
d230331w1.toc.tlx

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.619	0.6159mg/L	100ul	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 7:59:48 PM
2	3.688	0.6277mg/L	100ul	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 8:01:56 PM

Mean Conc. 0.6218mg/L
CV Conc 1.34%

Sample

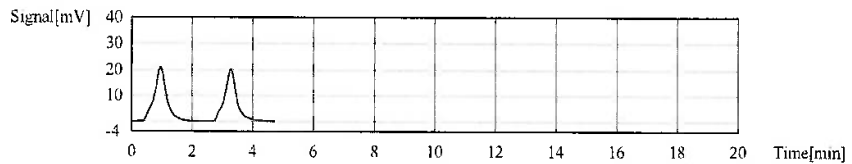
Sample Name: GP45881-S1
Sample ID: JD62888-2F
Origin: TOCAQ met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 9.807mg/L

1. Det

Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	58.95	10.03mg/L	100ul	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 8:11:24 PM
2	56.29	9.580mg/L	100ul	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 8:13:56 PM

Mean Conc. 9.807mg/L
CV Conc 3.26%

Sample

Sample Name: GP45881-MSD1
Sample ID: JD62888-2F
Origin: TOCAQ met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 9.703mg/L

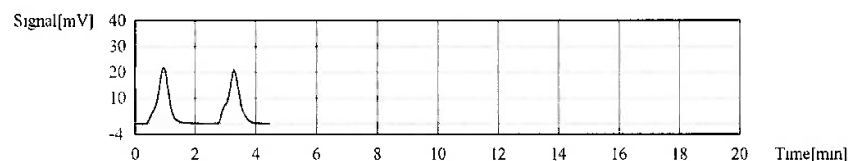
1. Det

Anal. NPOC

TOC-Control L Report

Chem56
d230331w1 toc.tlx

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	57.58	9.800mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 8:22:36 PM
2	56.44	9.606mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 8:24:51 PM

Mean Conc. 9.703mg/L
CV Conc 1.41%

Sample

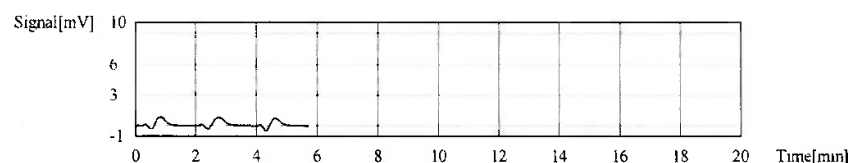
Sample Name: JD62888-4F
Sample ID: field blank
Origin: TOCAQ met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC: 0.2537mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.706	0.4606mg/L	100uL	1.000	E	d230201w1 2023_02_01_11_45_27 cal	3/31/2023 8:33:16 PM
2	1.671	0.2844mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 8:35:26 PM
3	1.310	0.2230mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 8:37:31 PM

Mean Conc. 0.2537mg/L
CV Conc 17.13%

Sample

Sample Name: CCV
Sample ID:
Origin: TOCAQ met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC: 22.91mg/L

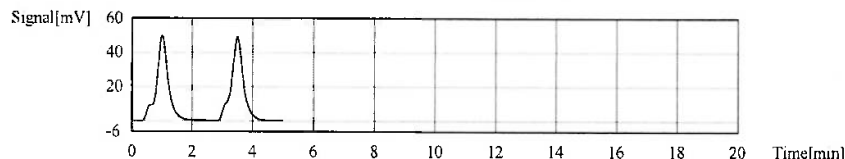
1. Det

Anal.: NPOC

TOC-Control L Report

Chem36
d230331w1 toc.tix

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	132.2	22.50mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 8:45:12 PM
2	137.0	23.32mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 8:47:57 PM

Mean Conc. 22.91mg/L
CV Conc. 2.52%

Sample

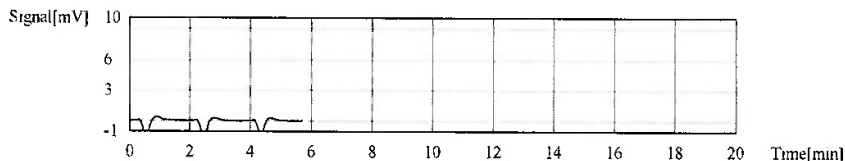
Sample Name: CCB
Sample ID:
Origin: TOCAQ met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 0.5875mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.913	0.8362mg/L	100uL	1.000	E	d230201w1 2023_02_01_11_45_27 cal	3/31/2023 9:04:09 PM
2	5.768	0.6413mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 9:06:16 PM
3	5.136	0.5337mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 9:08:21 PM

Mean Conc. 0.5875mg/L
CV Conc. 12.95%

Sample

Sample Name: JD62888-1F
Sample ID:
Origin: TOCAQ met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 1.017mg/L

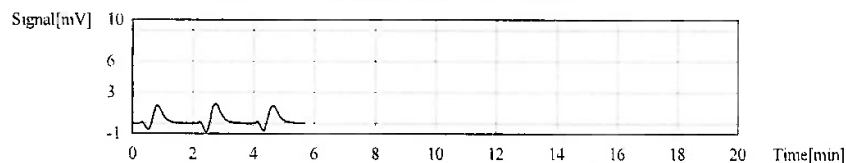
1. Det

Anal.: NPOC

TOC-Control L Report

Chem56
d230331w1.toc.tlx

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.2%	0.9014mg/L	100ul	1.000	E	d230201w1 2023_02_01_11_45_27 cal	3/31/2023 9:15:19 PM
2	6.043	1.029mg/L	100ul	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 9:17:28 PM
3	5.907	1.005mg/L	100ul	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 9:19:33 PM

Mean Conc. 1.017mg/L
CV Conc 1.61%

Sample

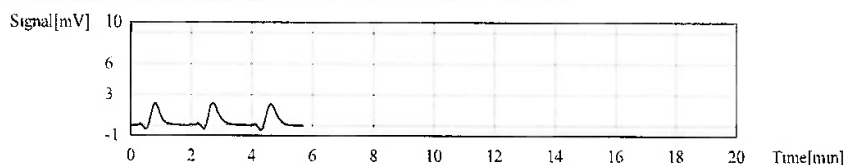
Sample Name: JD62888-3F
Sample ID:
Origin: TOCAQ.met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 0.7451mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.063	0.6915mg/L	100ul	1.000	E	d230201w1 2023_02_01_11_45_27 cal	3/31/2023 9:26:29 PM
2	4.599	0.7472mg/L	100ul	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 9:28:38 PM
3	4.366	0.7431mg/L	100ul	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 9:30:43 PM

Mean Conc. 0.7451mg/L
CV Conc 0.39%

Sample

Sample Name: GP45915-MB1
Sample ID: [toc]
Origin: TOCAQ.met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 0.3734mg/L

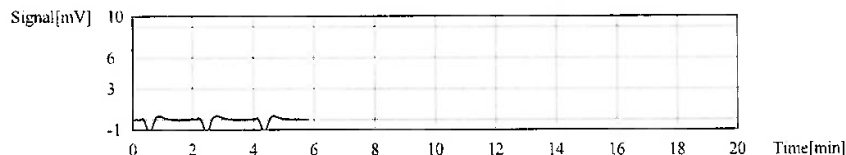
1. Det

Anal.: NPOC

TOC-Control L Report

Chem36
d230331w1 toc.tlx

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.132	0.5331mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 9:37:39 PM
2	3.450	0.5872mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 9:39:44 PM
3	0.000	0.000mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 9:41:56 PM

Mean Conc. 0.3734mg/L
CV Conc 86.91%

Sample

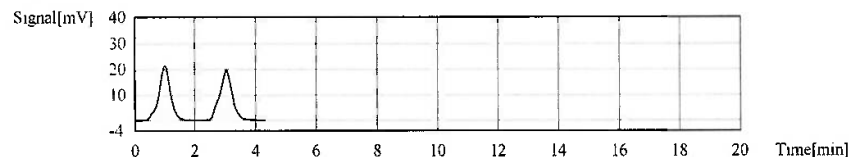
Sample Name: GP45915-B1
Sample ID:
Origin: TOCAQ met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 9.660mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	57.21	9.737mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 9:49:02 PM
2	56.30	9.582mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 9:51:25 PM

Mean Conc. 9.660mg/L
CV Conc 1.13%

Sample

Sample Name: JD62928-1
Sample ID:
Origin: TOCAQ met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 1.260mg/L

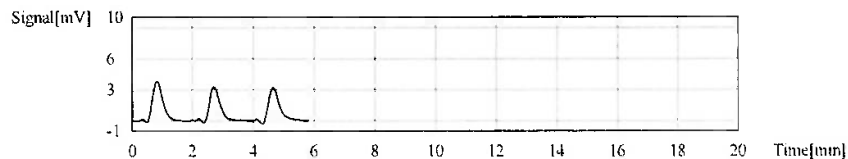
1. Det

Anal.: NPOC

TOC-Control L Report

Chem36
d230331w1 toc.tlx

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	8.943	1.522mg/L	100uL	1.000	E	d230201w1 2023_02_01_11_45_27 cal	3/31/2023 10:00:00 PM
2	7.095	1.208mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 10:02:05 PM
3	7.779	1.324mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 10:04:17 PM

Mean Conc. 1.266mg/L
CV Conc 6.50%

Sample

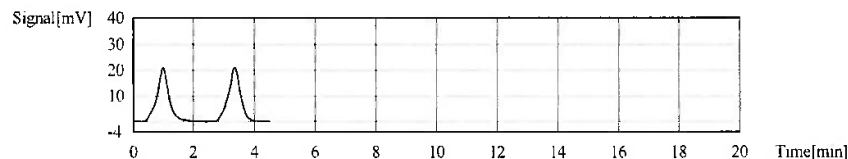
Sample Name: GP45915-S1
Sample ID: JD62928-1
Origin: TOCAQ met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 9.891mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	58.22	9.909mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 10:11:38 PM
2	58.01	9.873mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 10:13:56 PM

Mean Conc. 9.891mg/L
CV Conc 0.26%

Sample

Sample Name: GP45915-MSD1
Sample ID: JD62928-1
Origin: TOCAQ met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 10.51mg/L

1. Det

Anal.: NPOC

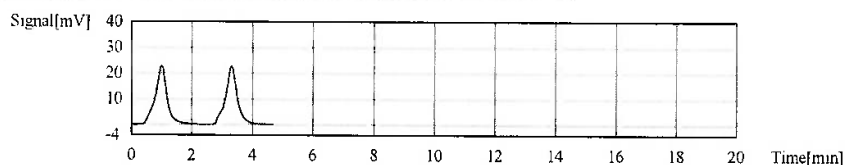
19/30

4/3/2023 12:14:47 PM

TOC-Control L Report

Chem36
d230331w1.toc.tlx

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	62.14	10.58mg/L	100ul	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 10:22:46 PM
2	61.36	10.44mg/L	100ul	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 10:25:16 PM

Mean Conc. 10.51mg/L
CV Conc 0.89%

Sample

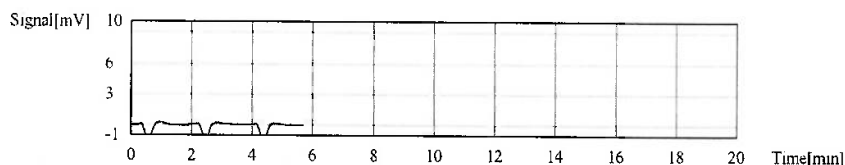
Sample Name: JD62928-4
Sample ID: field blank
Origin: TOCAQ met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 0.5833mg/L

1. Det

Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.439	0.5853mg/L	100ul	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 10:33:30 PM
2	3.708	0.6311mg/L	100ul	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 10:35:39 PM
3	3.134	0.5334mg/L	100ul	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 10:37:44 PM

Mean Conc. 0.5833mg/L
CV Conc 8.38%

Sample

Sample Name: JD62928-2
Sample ID:
Origin: TOCAQ met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 2.618mg/L

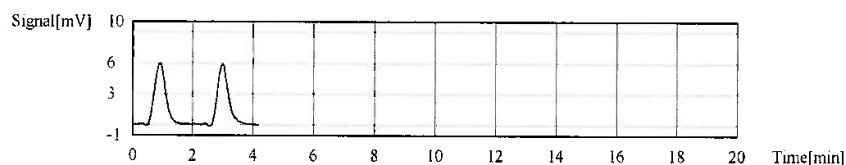
1. Det

Anal. NPOC

TOC-Control L Report

Chem36
d23031w1 toc th

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	15.59	2.653mg/L	100ul	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 10:44:52 PM
2	15.17	2.582mg/L	100ul	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 10:47:08 PM

Mean Conc. 2.618mg/L
CV Conc 1.93%

Sample

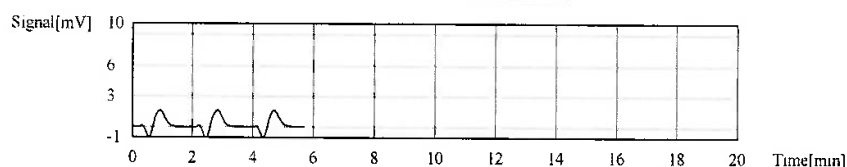
Sample Name: JD62928-3
Sample ID:
Origin: TOCAQ met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 1.072mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.230	1.060mg/L	100ul	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 10:55:50 PM
2	2.342	0.3986mg/L	100ul	1.000	E	d230201w1 2023_02_01_11_45_27 cal	3/31/2023 10:58:00 PM
3	6.370	1.084mg/L	100ul	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 11:00:05 PM

Mean Conc. 1.072mg/L
CV Conc 1.57%

Sample

Sample Name: CCVA
Sample ID:
Origin: TOCAQ met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 46.47mg/L

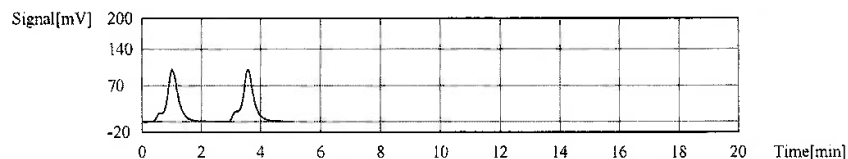
1. Det

Anal.: NPOC

TOC-Control L Report

Chem56
d230331w1 toc.tlx

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	270.1	45.97mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 11:07:39 PM
2	276.0	46.97mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 11:10:28 PM

Mean Conc. 46.47mg/L
CV Conc 1.53%

Sample

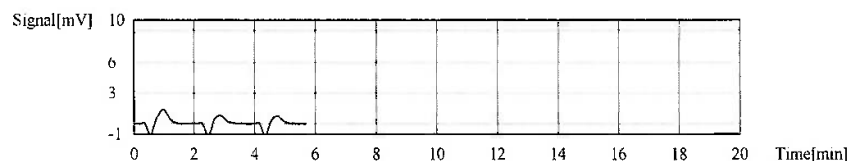
Sample Name: CCB
Sample ID:
Origin: TOCAQ met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 0.4340mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.582	1.086mg/L	100uL	1.000	E	d230201w1 2023_02_01_11_45_27 cal	3/31/2023 11:18:11 PM
2	4.886	0.8316mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 11:20:30 PM
3	0.2143	0.03647mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 11:22:30 PM

Mean Conc. 0.4340mg/L
CV Conc 129.54%

Sample

Sample Name: JD62929-1
Sample ID:
Origin: TOCAQ met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 2.236mg/L

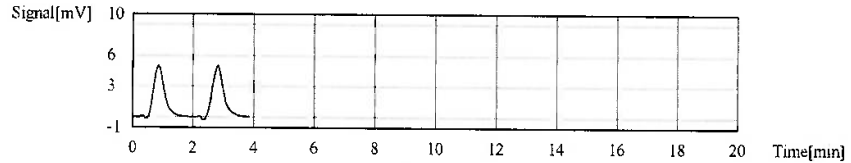
1. Det

Anal.: NPOC

TOC-Control L Report

Chem56
d230201w1 toc.tif

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	12.71	2.163mg/L	100ul	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 11:29:30 PM
2	13.56	2.308mg/L	100ul	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 11:31:38 PM

Mean Conc. 2.236mg/L
CV Conc 4.58%

Sample

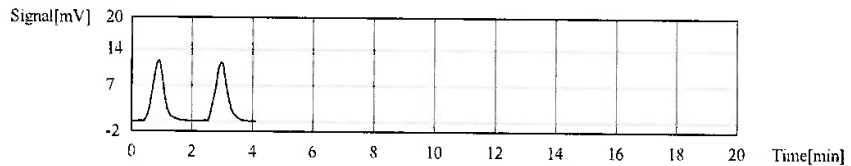
Sample Name: JD62929-2
Sample ID:
Origin: TOCAQ met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 5.310mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	30.87	5.254mg/L	100ul	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 11:40:44 PM
2	31.53	5.366mg/L	100ul	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 11:42:53 PM

Mean Conc. 5.310mg/L
CV Conc 1.50%

Sample

Sample Name: JD62929-3
Sample ID:
Origin: TOCAQ met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 0.8721mg/L

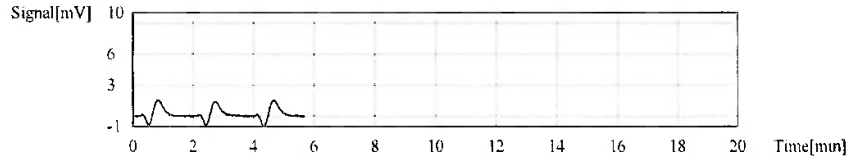
1. Det

Anal.: NPOC

TOC-Control L Report

Chem36
d230331w1 toc tlx

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.878	0.8302mg/L	100ul	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 11:51:41 PM
2	2.010	0.3421mg/L	100ul	1.000	E	d230201w1 2023_02_01_11_45_27 cal	3/31/2023 11:53:49 PM
3	5.370	0.9140mg/L	100ul	1.000		d230201w1 2023_02_01_11_45_27 cal	3/31/2023 11:55:54 PM

Mean Conc. 0.8721mg/L
CV Conc 6.79%

Sample

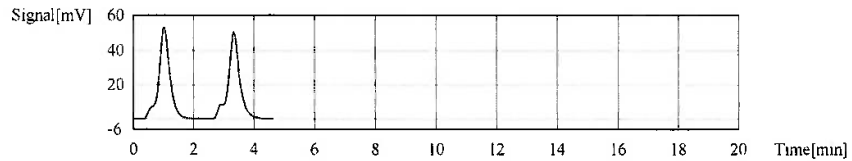
Sample Name: CCV
Sample ID:
Origin: TOCAQ met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 22.98mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	135.7	23.10mg/L	100ul	1.000		d230201w1 2023_02_01_11_45_27 cal	4/1/2023 12:05:15 AM
2	134.3	22.86mg/L	100ul	1.000		d230201w1 2023_02_01_11_45_27 cal	4/1/2023 12:05:49 AM

Mean Conc. 22.98mg/L
CV Conc 0.73%

Sample

Sample Name: CCB
Sample ID:
Origin: TOCAQ met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 0.8250mg/L

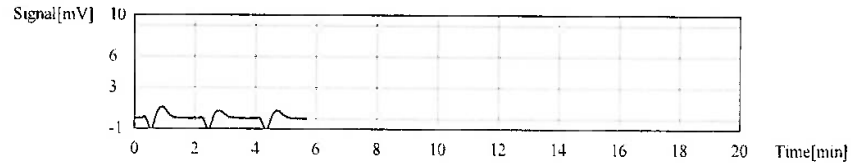
1. Det

Anal.: NPOC

TOC-Control L Report

Chem36
d230331w1 toc.tlx

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.895	0.8331mg/L	100ul	1.000		d230201w1 2023_02_01_11_45_27 cal	4/1/2023 12:14:01 AM
2	4.183	0.7119mg/L	100ul	1.000	E	d230201w1 2023_02_01_11_45_27 cal	4/1/2023 12:16:10 AM
3	4.799	0.8168mg/L	100ul	1.000		d230201w1 2023_02_01_11_45_27 cal	4/1/2023 12:18:15 AM

Mean Conc. 0.8250mg/L
CV Conc 1.40%

Sample

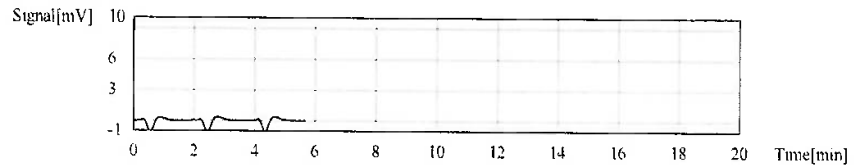
Sample Name: SPARGERCHK
Sample ID:
Origin: TOCAQ.met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 0.4635mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.551	0.4342mg/L	100ul	1.000		d230201w1 2023_02_01_11_45_27 cal	4/1/2023 12:25:12 AM
2	2.890	0.4929mg/L	100ul	1.000		d230201w1 2023_02_01_11_45_27 cal	4/1/2023 12:27:21 AM
3	0.000	0.000mg/L	100ul	1.000	E	d230201w1 2023_02_01_11_45_27 cal	4/1/2023 12:29:26 AM

Mean Conc. 0.4635mg/L
CV Conc 8.96%

Sample

Sample Name: CCVA
Sample ID:
Origin: TOCAQ.met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 47.95mg/L

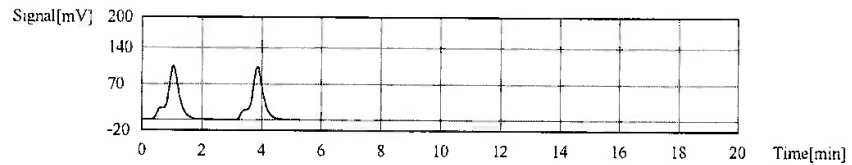
1. Det

Anal.: NPOC

TOC-Control L Report

Chem56
d230331w1 toc tlx

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	284.9	48.40mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	4/3/2023 9:51:33 AM
2	278.6	47.42mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	4/3/2023 9:54:17 AM

Mean Conc. 47.95mg/L
CV Conc 1.58%

Sample

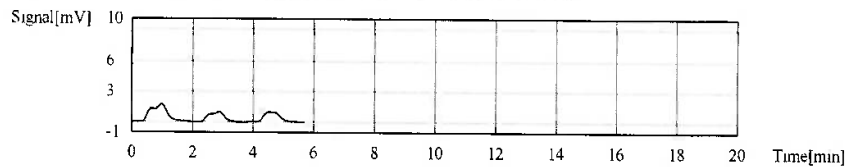
Sample Name: CCB
Sample ID:
Origin: TOCAQ met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 0.6175mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.082	1.015mg/L	100uL	1.000	E	d230201w1 2023_02_01_11_45_27 cal	4/3/2023 10:01:48 AM
2	3.638	0.6192mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	4/3/2023 10:03:53 AM
3	3.618	0.6158mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	4/3/2023 10:05:58 AM

Mean Conc. 0.6175mg/L
CV Conc 0.39%

Sample

Sample Name: JD62800-5
Sample ID:
Origin: TOCAQ met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 58.68mg/L

1. Det

Anal.: NPOC

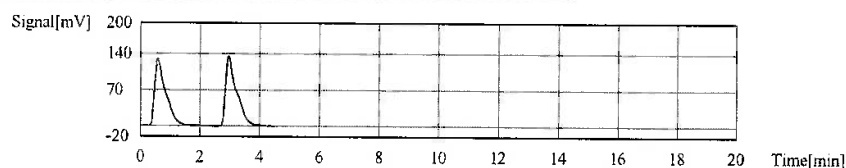
26/30

4/3/2023 12:14:47 PM

TOC-Control L Report

Chem56
d230331w1 toc tlx

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	336.9	57.34mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	4/3/2023 10:13:26 AM
2	352.6	60.01mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	4/3/2023 10:15:51 AM

Mean Conc. 58.68mg/L
CV Conc. 3.22%

Sample

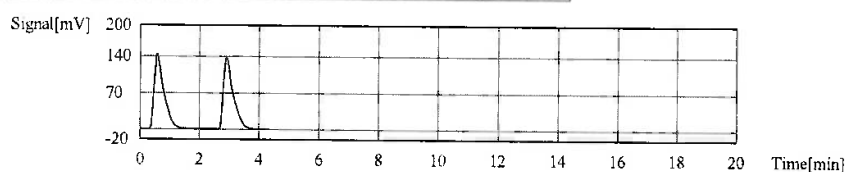
Sample Name: JD62800-6
Sample ID:
Origin: TOCAQ met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	5.000	NPOC 277.5mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	331.6	282.2mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	4/3/2023 10:24:53 AM
2	320.5	272.7mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	4/3/2023 10:26:49 AM

Mean Conc. 277.5mg/L
CV Conc. 2.41%

Sample

Sample Name: JD62800-5
Sample ID:
Origin: TOCAQ met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	5.000	NPOC 58.56mg/L

1. Det

Anal.: NPOC

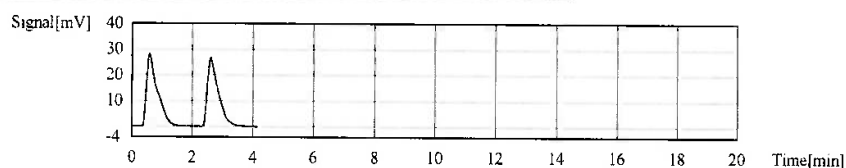
27/30

4/3/2023 12:14:47 PM

TOC-Control L Report

Chem56
d230331w1.toc.tlx

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	70.16	59.71mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	4/3/2023 11:16:33 AM
2	67.47	57.42mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	4/3/2023 11:18:51 AM

Mean Conc. 58.56mg/L
CV Conc 2.76%

Sample

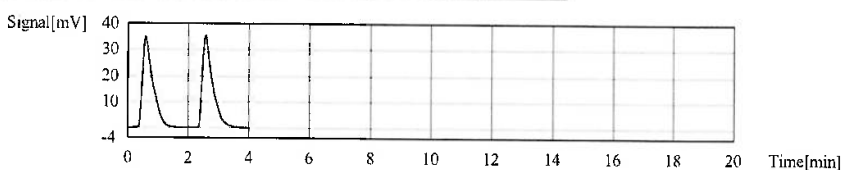
Sample Name: JD62890-6
Sample ID:
Origin: TOCAQ met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	20.00	NPOC 280.6mg/L

1. Det

Anal: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	82.41	280.5mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	4/3/2023 11:27:41 AM
2	82.48	280.8mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	4/3/2023 11:29:54 AM

Mean Conc. 280.6mg/L
CV Conc 0.06%

Sample

Sample Name: CCV
Sample ID:
Origin: TOCAQ met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 24.82mg/L

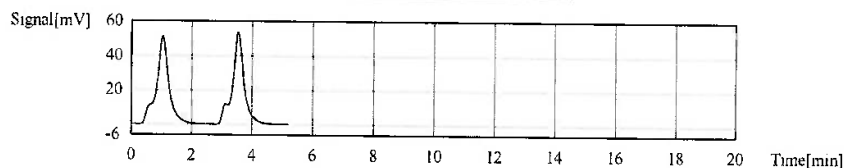
1. Det

Anal: NPOC

TOC-Control L Report

Chem36
d230201w1 toc th

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	146.2	24.88mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	4/3/2023 11:39:24 AM
2	145.5	24.76mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	4/3/2023 11:42:18 AM

Mean Conc. 24.82mg/L
CV Conc 0.34%

Sample

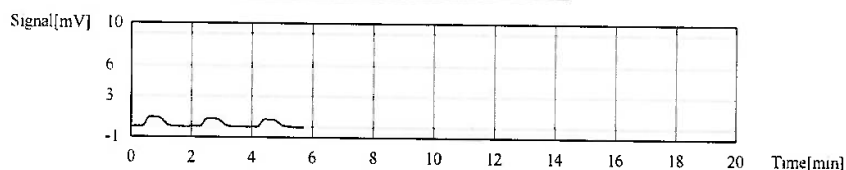
Sample Name: CCB
Sample ID:
Origin: TOCAQ met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 0.4846mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.499	0.5955mg/L	100uL	1.000	E	d230201w1 2023_02_01_11_45_27 cal	4/3/2023 11:58:52 AM
2	2.928	0.4981mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	4/3/2023 12:00:36 PM
3	2.767	0.4709mg/L	100uL	1.000		d230201w1 2023_02_01_11_45_27 cal	4/3/2023 12:02:41 PM

Mean Conc. 0.4846mg/L
CV Conc 4.00%

Sample

Sample Name: SPARGERCHK
Sample ID:
Origin: TOCAQ met
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC 0.3626mg/L

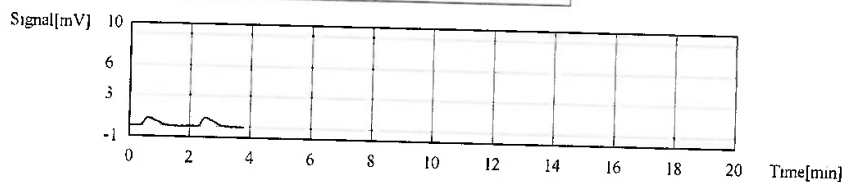
1. Det

Anal.: NPOC

TOC-Control L Report

Chem36
d230331w1 toc.tlx

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.087	0.3552mg/L	100ul	1.000		d230201w1 2023_02_01_11_45_27.cal	4/3/2023 12:09:42 PM
2	2.174	0.3700mg/L	100ul	1.000		d230201w1 2023_02_01_11_45_27.cal	4/3/2023 12:11:47 PM

Mean Conc. 0.3626mg/L
CV Conc 2.89%

30/30

4/3/2023 12:14:47 PM