

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020724\
 Data File : VU057847.D
 Acq On : 07 Feb 2024 18:00
 Operator : MD/SY
 Sample : P1081-05
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

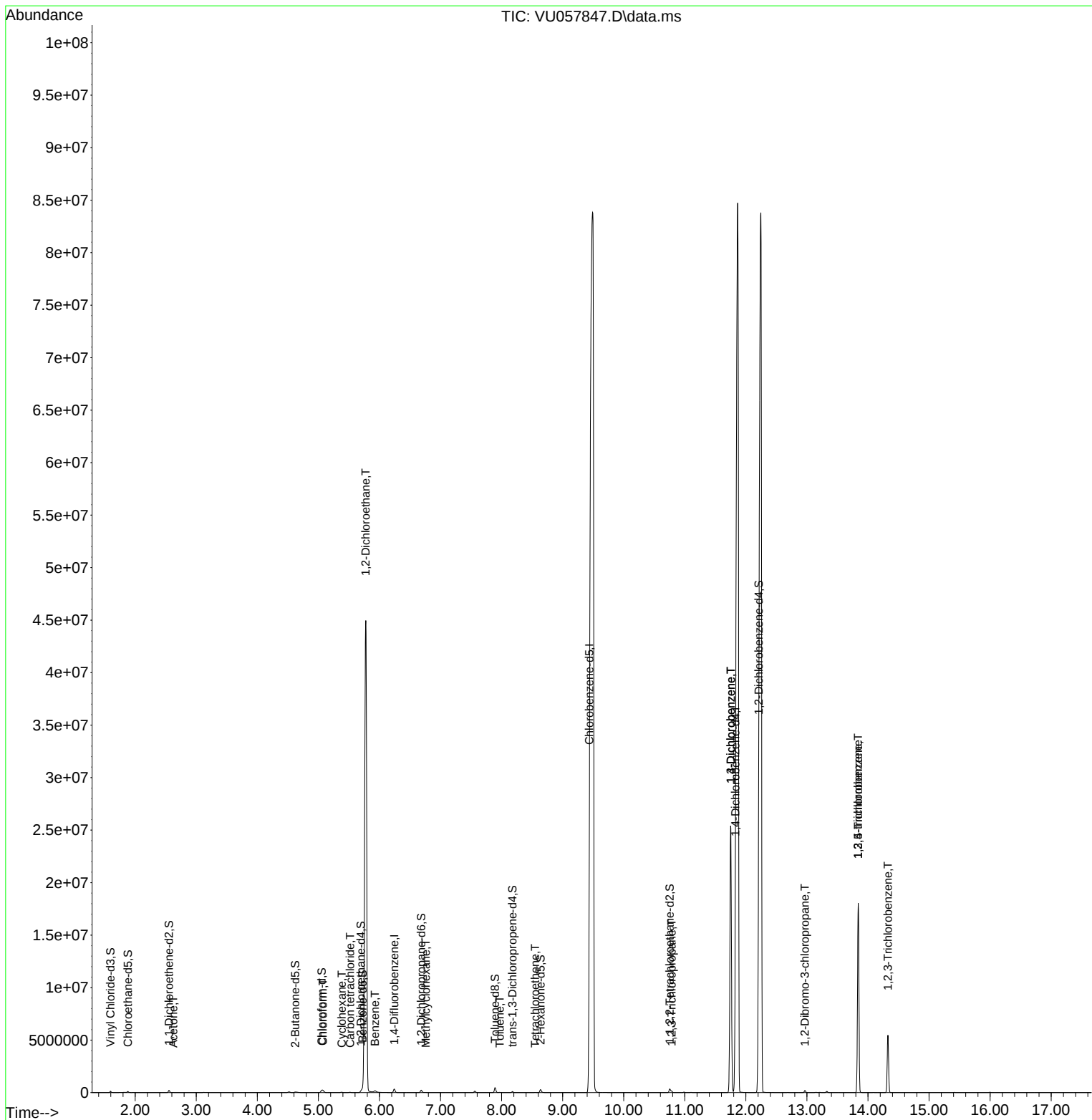
Quant Time: Feb 08 01:29:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM020724WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 08 01:18:21 2024
 Response via : Initial Calibration

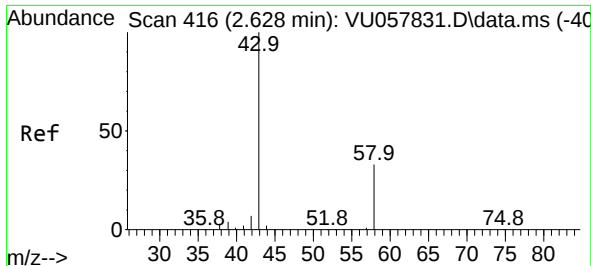
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	271497	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.438	117	262805	50.000	ug/L	0.03
58) 1,4-Dichlorobenzene-d4	11.827	152	154430	50.000	ug/L	# 0.02
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	103004	47.400	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.800%
7) Chloroethane-d5	1.879	69	77285	45.844	ug/L	-0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.680%
11) 1,1-Dichloroethene-d2	2.554	63	134029	33.582	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.160%
21) 2-Butanone-d5	4.621	46	82541	68.442	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	68.440%
24) Chloroform-d	5.052	84	175181	45.444	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.880%
26) 1,2-Dichloroethane-d4	5.695	65	114581	46.888	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.780%
32) Benzene-d6	5.721	84	352516	44.401	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.800%
36) 1,2-Dichloropropane-d6	6.682	67	110266	43.980	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.960%
41) Toluene-d8	7.891	98	315360	43.814	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.620%
43) trans-1,3-Dichloroprop...	8.177	79	56970	46.449	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.900%
47) 2-Hexanone-d5	8.637	63	108462	105.983	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.980%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	173699	53.221	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.440%
66) 1,2-Dichlorobenzene-d4	12.209	152	133974	45.156	ug/L	0.02
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.320%
Target Compounds						
					Qvalue	
13) Acetone	2.621	43	11149	7.196	ug/L	98
25) Chloroform	5.075	83	154336	41.223	ug/L	100
27) 1,2-Dichloroethane	5.776	62	467407	150.760	ug/L	# 76
29) Cyclohexane	5.380	56	19386	5.669	ug/L	99
31) Carbon tetrachloride	5.518	117	21260	7.203	ug/L	98
33) Benzene	5.927	78	207519	24.944	ug/L	100
35) Methylcyclohexane	6.756	83	6030	1.685	ug/L	# 85
42) Toluene	7.968	91	14421	1.655	ug/L	98
46) Tetrachloroethene	8.550	164	2873	1.852	ug/L	98
60) 1,2,3-Trichloropropane	10.782	75	6321	1.955	ug/L	# 1
64) 1,3-Dichlorobenzene	11.753	146	10384429	2124.407	ug/L	97
65) 1,4-Dichlorobenzene	11.753	146	10384429	2071.169	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.965	75	36017	43.927	ug/L	# 13
69) 1,3,5-Trichlorobenzene	13.840	180	5055881	1468.539	ug/L	99
70) 1,2,4-trichlorobenzene	13.840	180	5055881	1719.130	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	1530692	556.242	ug/L	100

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

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Feb 08 01:29:31 2024
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Quant Title : VOC Analysis
QLast Update : Thu Feb 08 01:18:21 2024
Response via : Initial Calibration





#13

Acetone

Concen: 7.196 ug/L

RT: 2.621 min Scan# 41

Delta R.T. -0.006 min

Lab File: VU057847.D

Acq: 07 Feb 2024 18:00

Instrument :

MSVOA_U

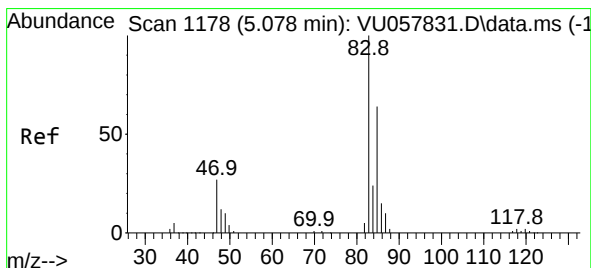
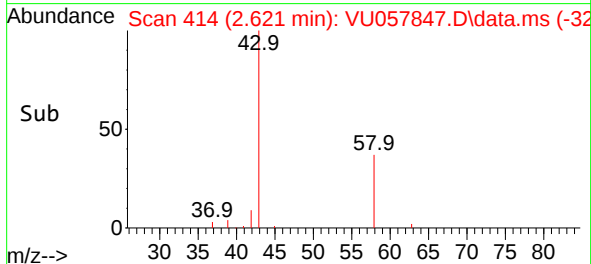
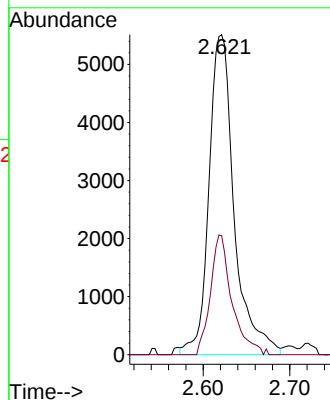
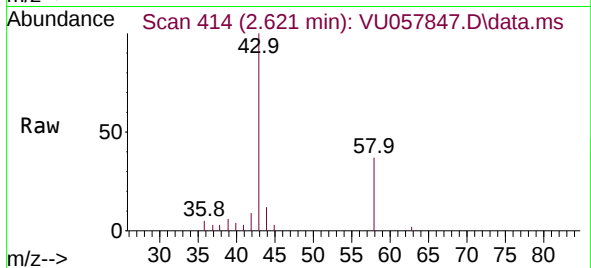
ClientSampleId :

Tgt Ion: 43 Resp: 11149

Ion Ratio Lower Upper

43 100

58 31.7 0.0 65.8



#25

Chloroform

Concen: 41.223 ug/L

RT: 5.075 min Scan# 1177

Delta R.T. -0.003 min

Lab File: VU057847.D

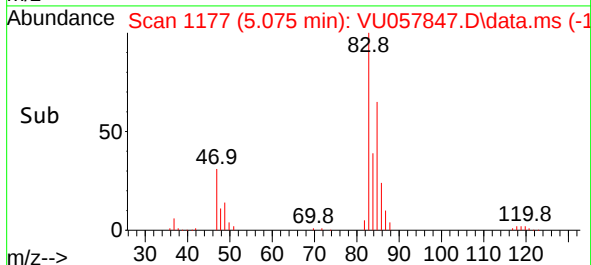
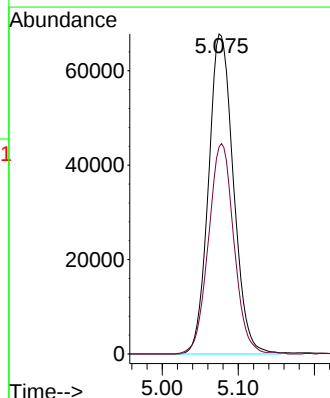
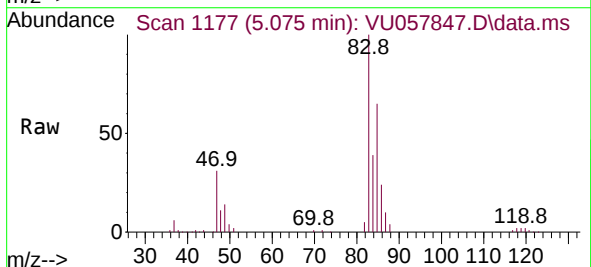
Acq: 07 Feb 2024 18:00

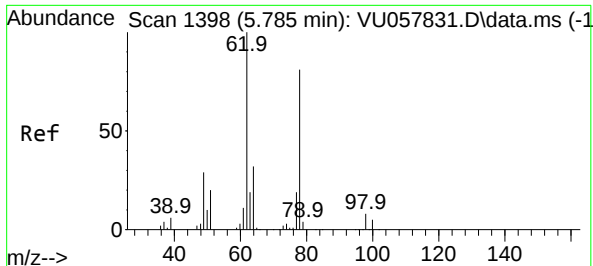
Tgt Ion: 83 Resp: 154336

Ion Ratio Lower Upper

83 100

85 64.7 45.0 83.6

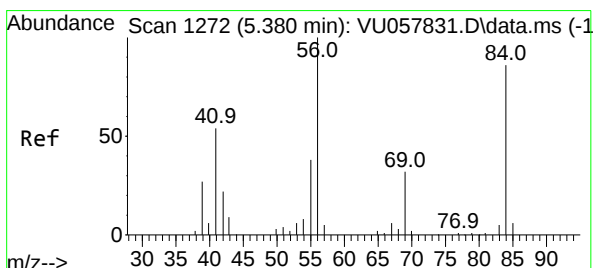
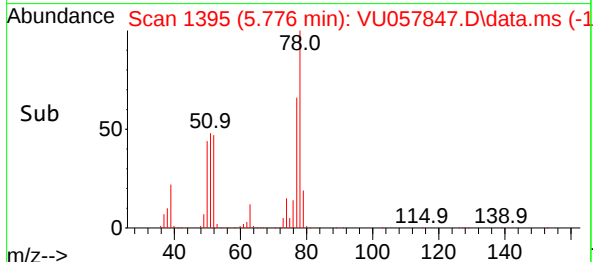
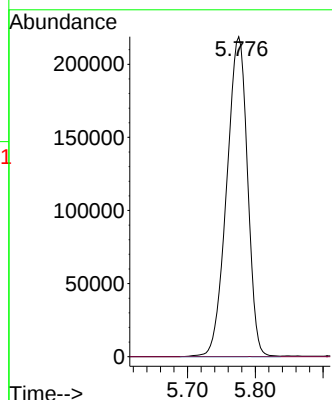
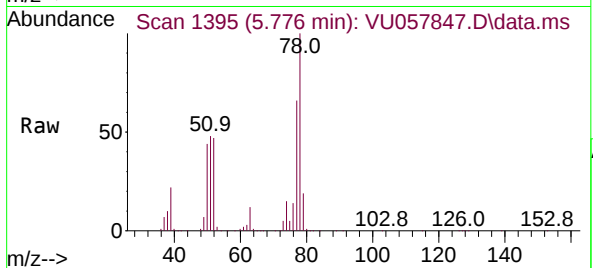




#27
1,2-Dichloroethane
Concen: 150.760 ug/L
RT: 5.776 min Scan# 11
Delta R.T. -0.010 min
Lab File: VU057847.D
Acq: 07 Feb 2024 18:00

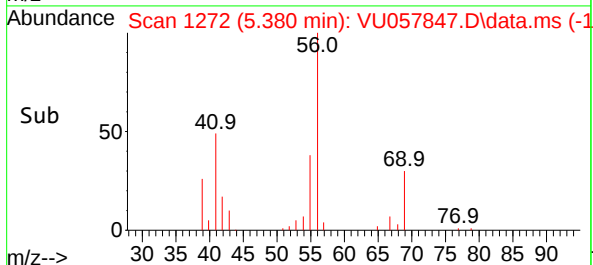
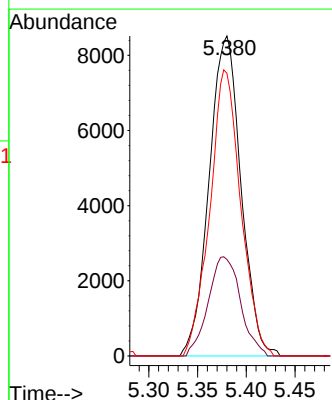
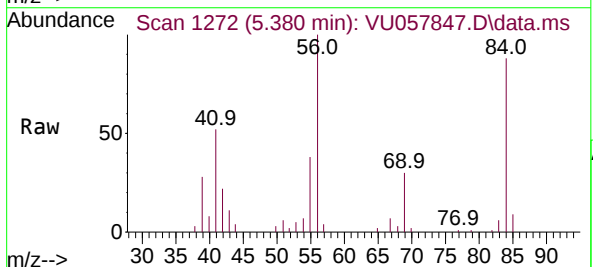
Instrument :
MSVOA_U
ClientSampleId :

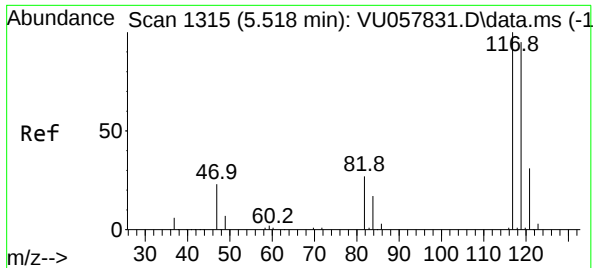
Tgt Ion: 62 Resp: 467407
Ion Ratio Lower Upper
62 100
98 0.0 6.7 10.1#



#29
Cyclohexane
Concen: 5.669 ug/L
RT: 5.380 min Scan# 1272
Delta R.T. 0.000 min
Lab File: VU057847.D
Acq: 07 Feb 2024 18:00

Tgt Ion: 56 Resp: 19386
Ion Ratio Lower Upper
56 100
69 31.3 25.4 38.0
84 86.6 70.4 105.6

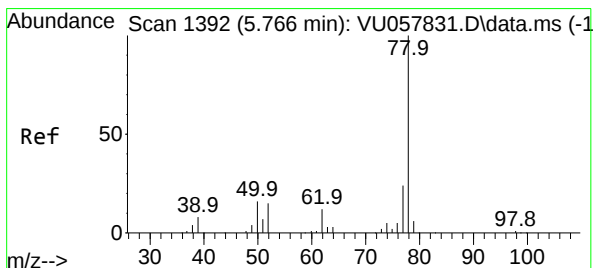
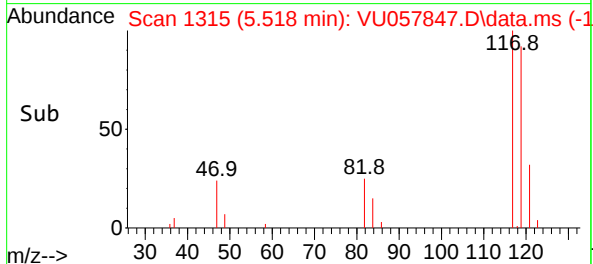
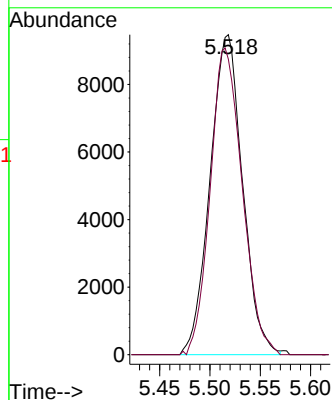
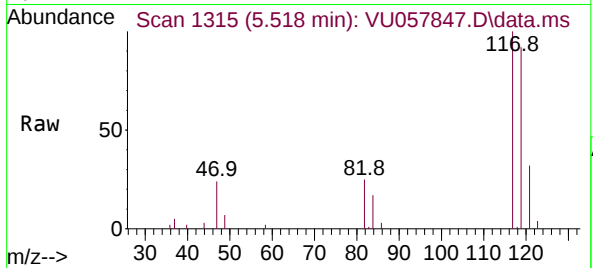




#31
Carbon tetrachloride
Concen: 7.203 ug/L
RT: 5.518 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU057847.D
Acq: 07 Feb 2024 18:00

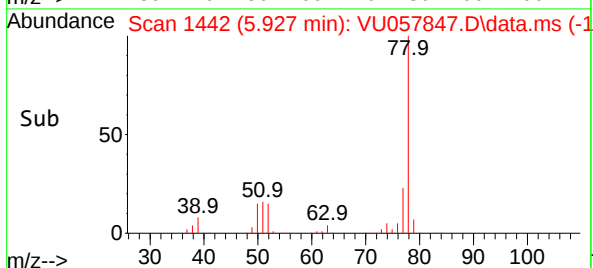
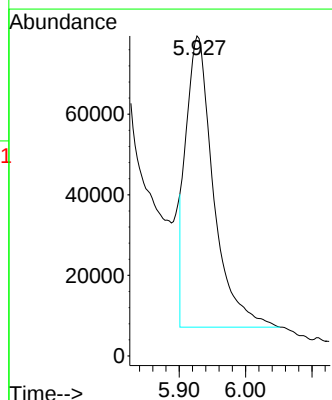
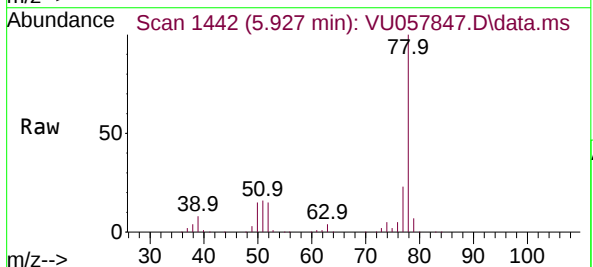
Instrument :
MSVOA_U
ClientSampleId :

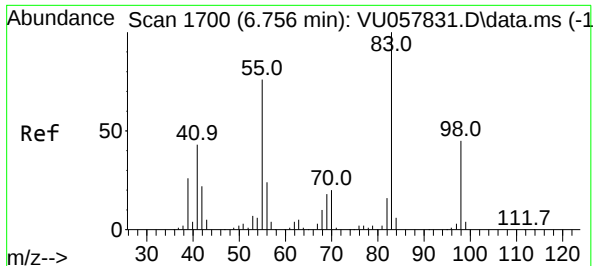
Tgt Ion:117 Resp: 21260
Ion Ratio Lower Upper
117 100
119 94.2 76.7 115.1



#33
Benzene
Concen: 24.944 ug/L
RT: 5.927 min Scan# 1442
Delta R.T. 0.161 min
Lab File: VU057847.D
Acq: 07 Feb 2024 18:00

Tgt Ion: 78 Resp: 207519





#35

Methylcyclohexane

Concen: 1.685 ug/L

RT: 6.756 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU057847.D

Acq: 07 Feb 2024 18:00

Instrument :

MSVOA_U

ClientSampleId :

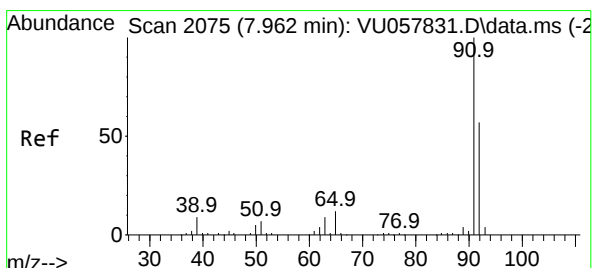
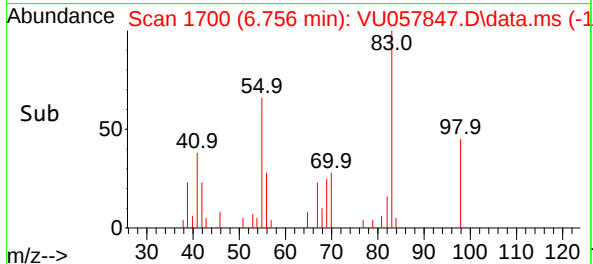
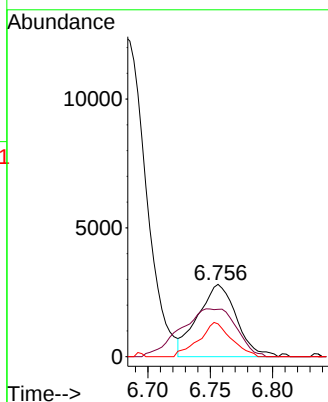
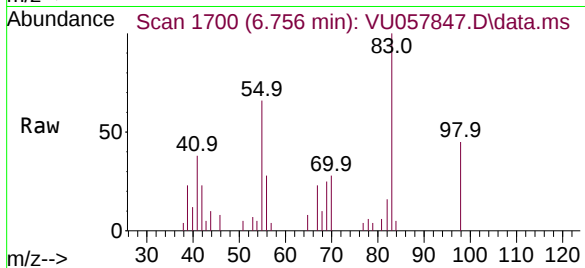
Tgt Ion: 83 Resp: 6030

Ion Ratio Lower Upper

83 100

55 59.0 59.9 89.9#

98 39.7 36.8 55.2



#42

Toluene

Concen: 1.655 ug/L

RT: 7.968 min Scan# 2077

Delta R.T. 0.006 min

Lab File: VU057847.D

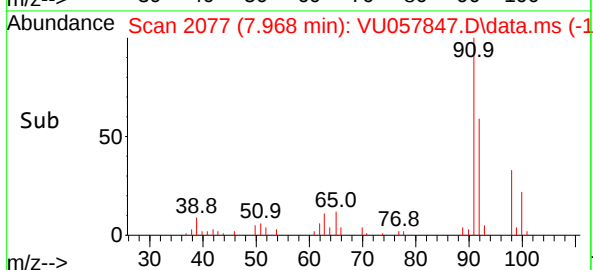
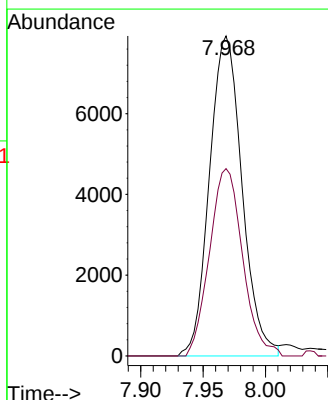
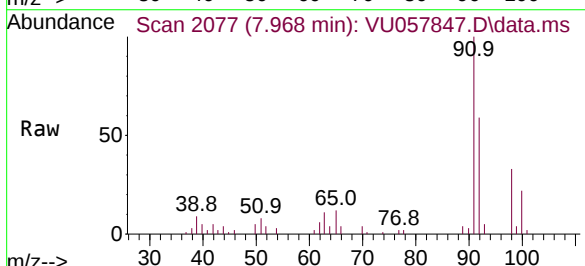
Acq: 07 Feb 2024 18:00

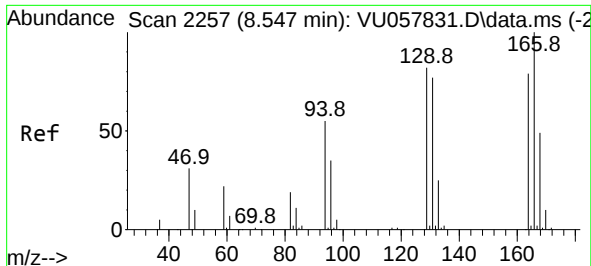
Tgt Ion: 91 Resp: 14421

Ion Ratio Lower Upper

91 100

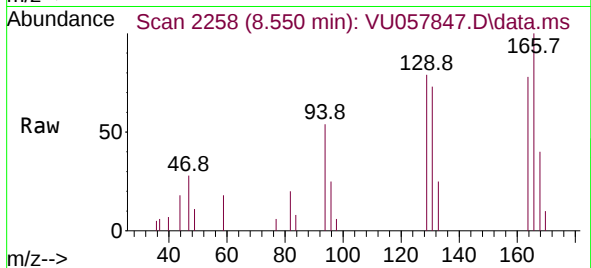
92 58.5 39.8 73.8



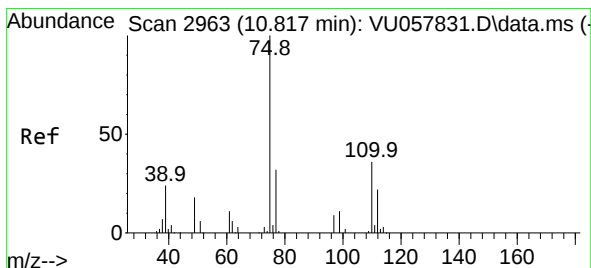
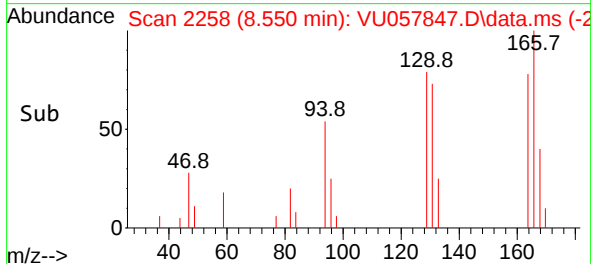
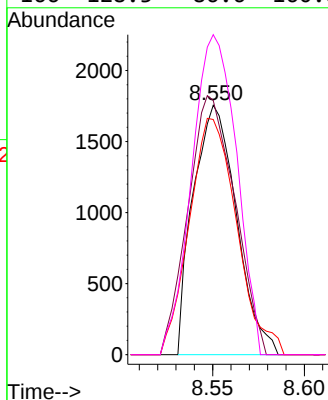


#46
Tetrachloroethene
Concen: 1.852 ug/L
RT: 8.550 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU057847.D
Acq: 07 Feb 2024 18:00

Instrument :
MSVOA_U
ClientSampleId :

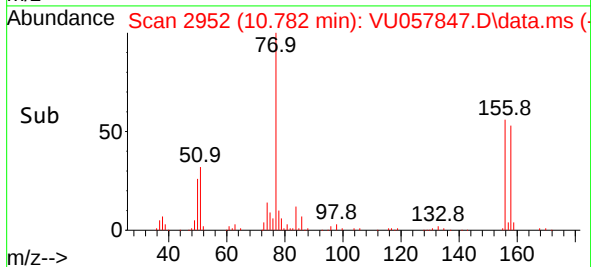
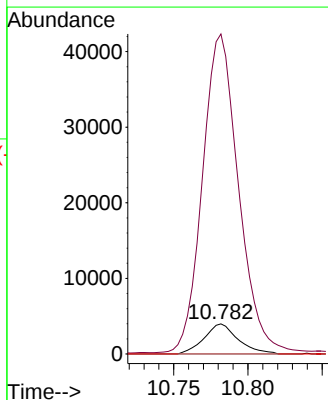
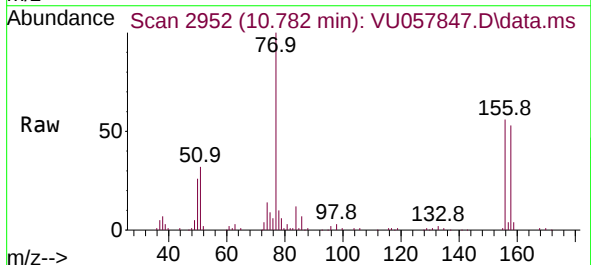


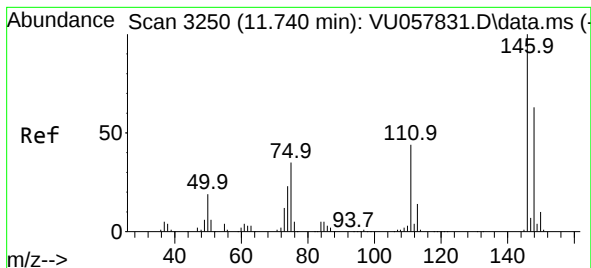
Tgt Ion:164 Resp: 2873
Ion Ratio Lower Upper
164 100
129 101.9 70.8 131.4
131 94.3 66.8 124.0
166 128.3 86.6 160.8



#60
1,2,3-Trichloropropane
Concen: 1.955 ug/L
RT: 10.782 min Scan# 2952
Delta R.T. -0.035 min
Lab File: VU057847.D
Acq: 07 Feb 2024 18:00

Tgt Ion: 75 Resp: 6321
Ion Ratio Lower Upper
75 100
77 1125.0 26.1 39.1#
110 0.0 29.1 43.7#





#64

1,3-Dichlorobenzene

Concen: 2124.407 ug/L

RT: 11.753 min Scan# 31

Delta R.T. 0.013 min

Lab File: VU057847.D

Acq: 07 Feb 2024 18:00

Instrument :

MSVOA_U

ClientSampleId :

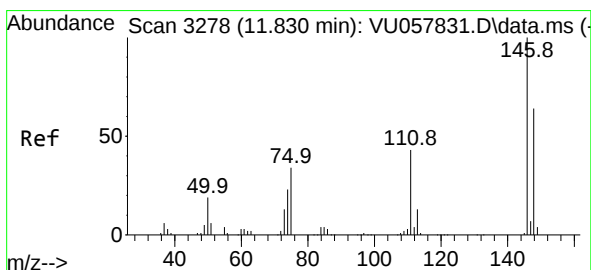
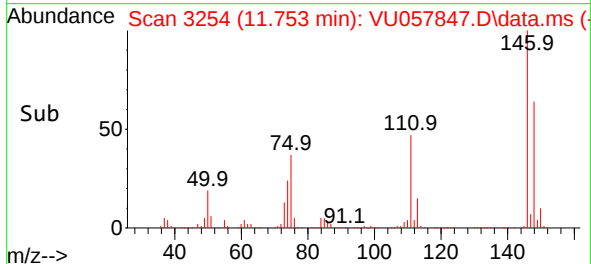
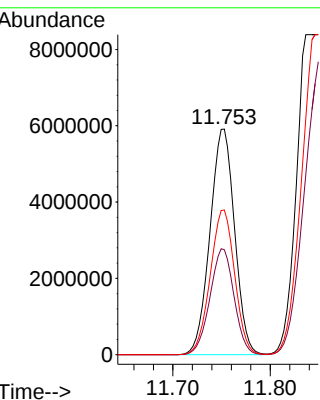
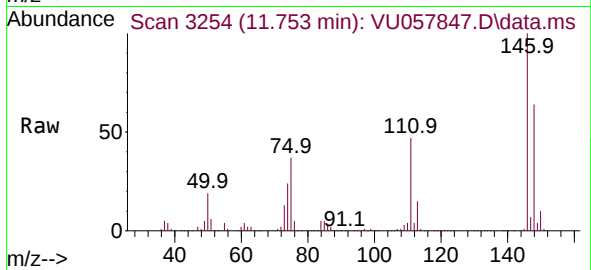
Tgt Ion:146 Resp:10384429

Ion Ratio Lower Upper

146 100

111 46.6 31.1 57.7

148 64.1 46.8 86.8



#65

1,4-Dichlorobenzene

Concen: 2071.169 ug/L

RT: 11.753 min Scan# 3254

Delta R.T. -0.077 min

Lab File: VU057847.D

Acq: 07 Feb 2024 18:00

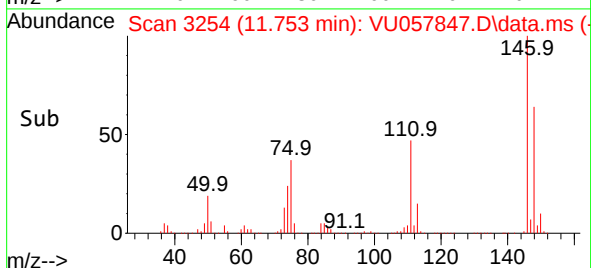
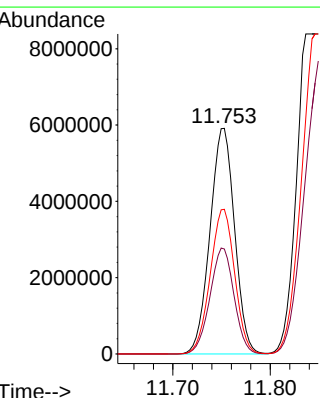
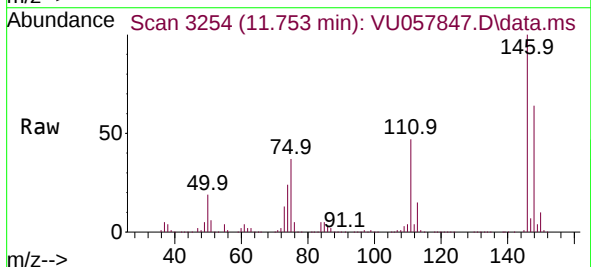
Tgt Ion:146 Resp:10384429

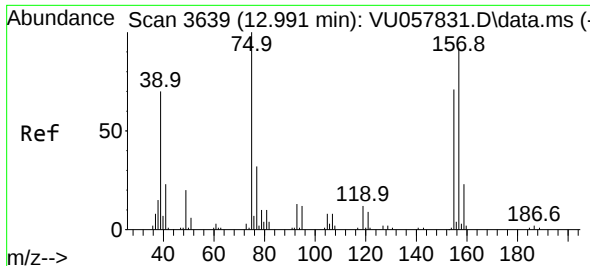
Ion Ratio Lower Upper

146 100

111 46.6 30.5 56.7

148 64.1 45.3 84.1

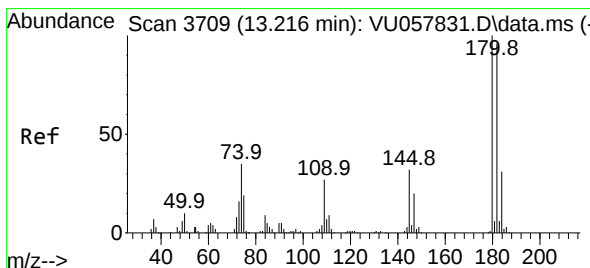
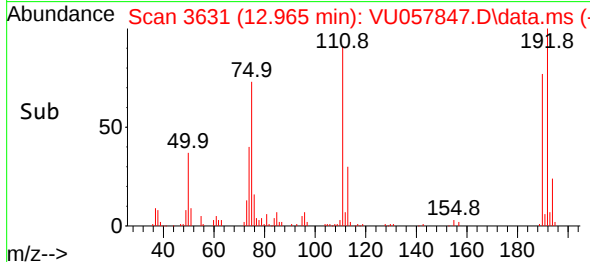
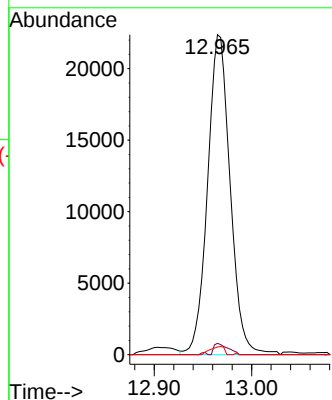
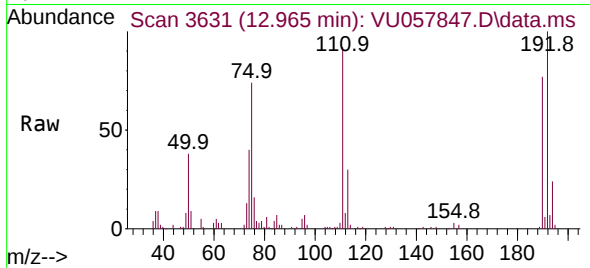




#68
1,2-Dibromo-3-chloropropane
Concen: 43.927 ug/L
RT: 12.965 min Scan# 30
Delta R.T. -0.026 min
Lab File: VU057847.D
Acq: 07 Feb 2024 18:00

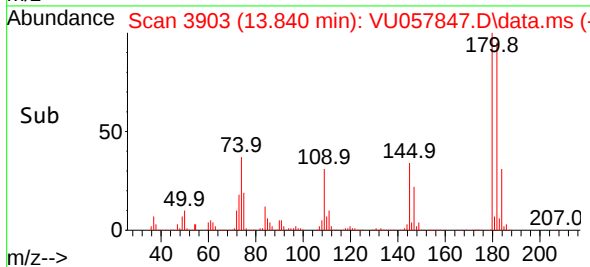
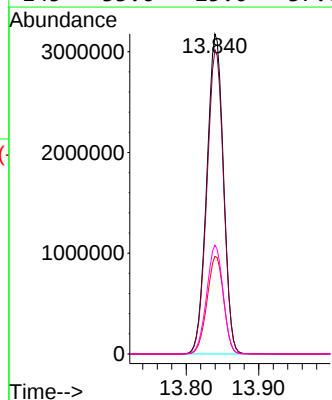
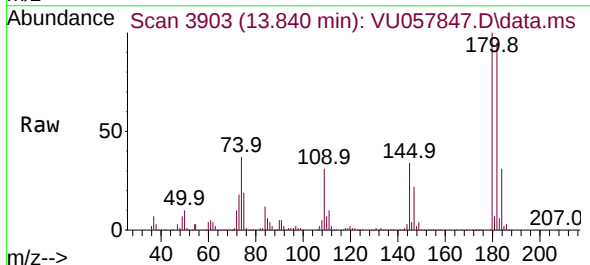
Instrument :
MSVOA_U
ClientSampleId :

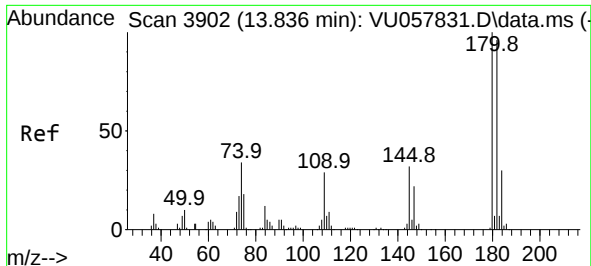
Tgt Ion: 75 Resp: 36017
Ion Ratio Lower Upper
75 100
155 3.5 55.9 83.9#
157 2.4 71.1 106.7#



#69
1,3,5-Trichlorobenzene
Concen: 1468.539 ug/L
RT: 13.840 min Scan# 3903
Delta R.T. 0.624 min
Lab File: VU057847.D
Acq: 07 Feb 2024 18:00

Tgt Ion:180 Resp: 5055881
Ion Ratio Lower Upper
180 100
182 95.2 76.0 114.0
184 30.4 24.3 36.5
145 33.6 25.0 37.6

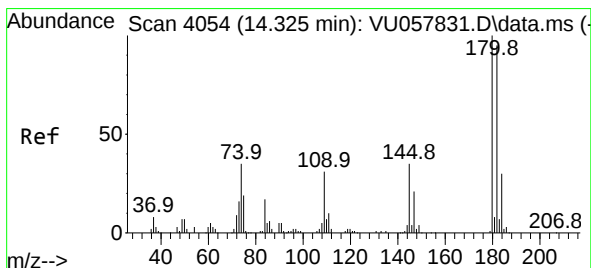
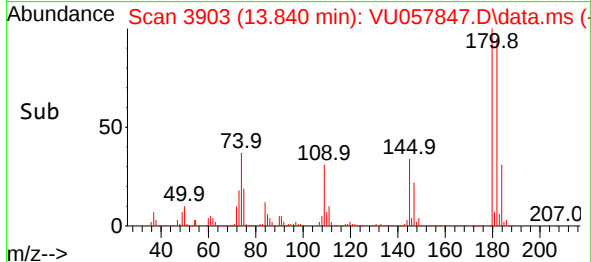
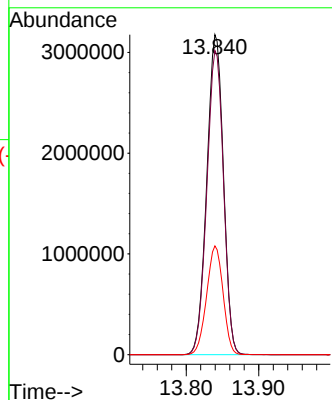
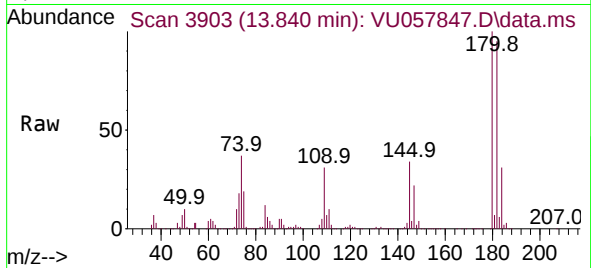




#70
1,2,4-trichlorobenzene
Concen: 1719.130 ug/L
RT: 13.840 min Scan# 3902
Delta R.T. 0.003 min
Lab File: VU057847.D
Acq: 07 Feb 2024 18:00

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:180 Resp: 5055881
Ion Ratio Lower Upper
180 100
182 95.2 76.0 114.0
145 33.6 25.5 38.3



#72
1,2,3-Trichlorobenzene
Concen: 556.242 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. 0.000 min
Lab File: VU057847.D
Acq: 07 Feb 2024 18:00

Tgt Ion:180 Resp: 1530692
Ion Ratio Lower Upper
180 100
182 95.8 76.6 114.8
145 34.7 27.7 41.5

