

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV041824\
 Data File : VV035281.D
 Acq On : 18 Apr 2024 14:26
 Operator : SY/MD
 Sample : P2158-05
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 19 01:43:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM032624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 10 04:53:36 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

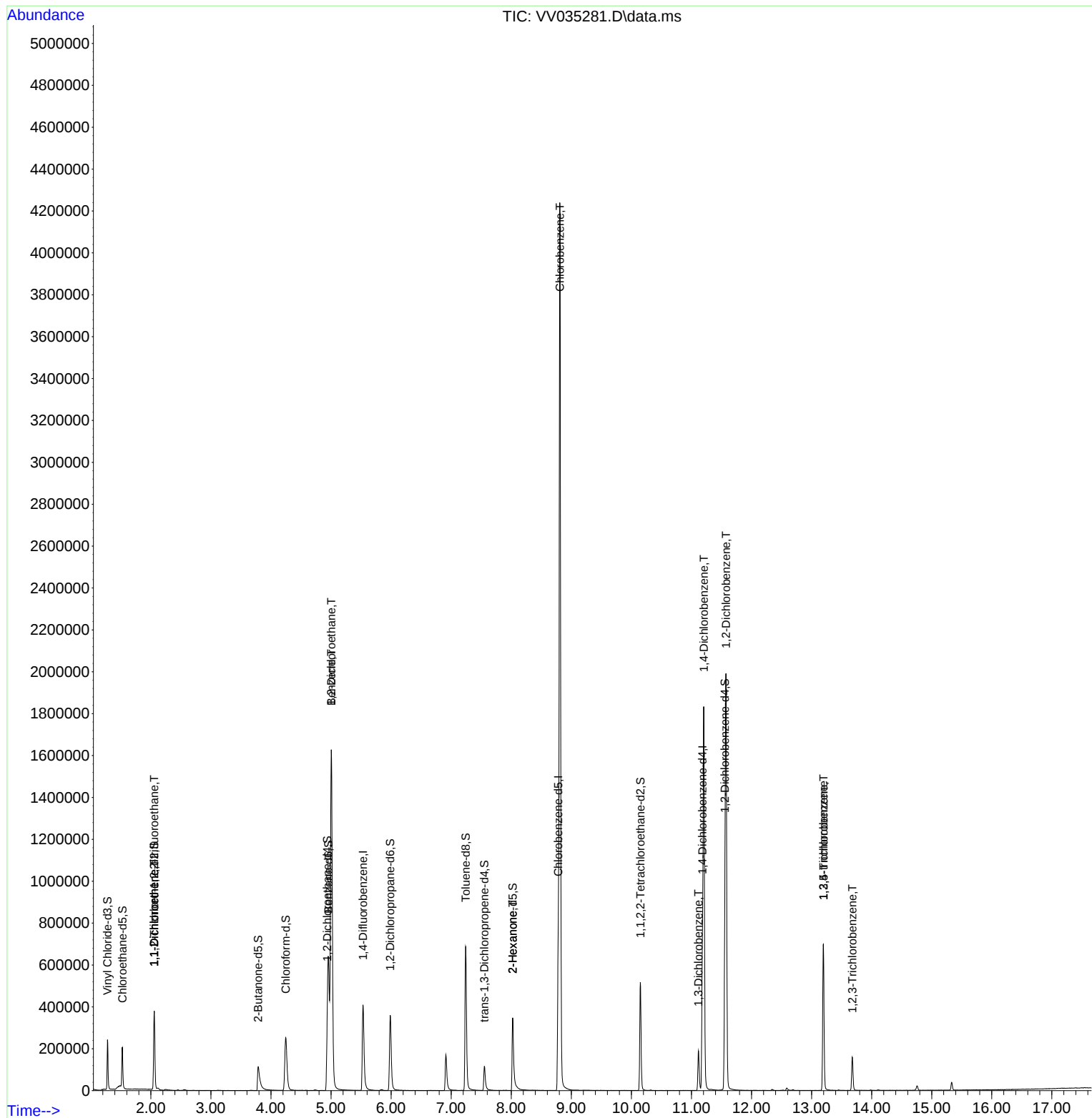
Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	362254	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	353162	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	166462	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	159714	45.652	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	91.300%		
7) Chloroethane-d5	1.526	69	133856	44.051	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	88.100%		
11) 1,1-Dichloroethene-d2	2.056	65	64819	42.267	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	84.540%		
21) 2-Butanone-d5	3.786	46	197329	95.104	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	95.100%		
24) Chloroform-d	4.246	84	282701	48.061	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.120%		
26) 1,2-Dichloroethane-d4	4.937	65	178870	47.897	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.800%		
32) Benzene-d6	4.957	84	560952	47.286	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.580%		
36) 1,2-Dichloropropane-d6	5.985	67	184494	48.976	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	97.960%		
41) Toluene-d8	7.243	98	477908	44.733	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	89.460%		
43) trans-1,3-Dichloroprop...	7.551	79	75635	41.301	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	82.600%		
47) 2-Hexanone-d5	8.024	63	123777	86.906	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	86.910%		
56) 1,1,2,2-Tetrachloroeth...	10.149	84	250867	48.360	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	96.720%		
66) 1,2-Dichlorobenzene-d4	11.558	152	185651	49.673	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	99.340%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.056	101	2091	0.736	ug/L #	22
12) 1,1-Dichloroethene	2.056	96	2208	0.812	ug/L #	1
27) 1,2-Dichloroethane	5.005	62	14014	3.303	ug/L #	75
33) Benzene	5.005	78	1694448	147.137	ug/L	100
48) 2-Hexanone	8.024	43	14736	4.264	ug/L #	76
51) Chlorobenzene	8.809	112	2223701	284.574	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	78235	13.950	ug/L	97
65) 1,4-Dichlorobenzene	11.207	146	713608	125.128	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	724373	129.662	ug/L	98
69) 1,3,5-Trichlorobenzene	13.197	180	217134	53.722	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	217134	58.485	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	50219	13.722	ug/L	97

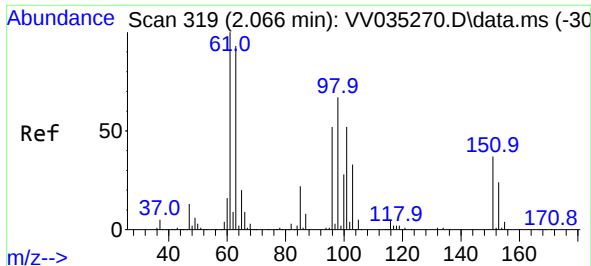
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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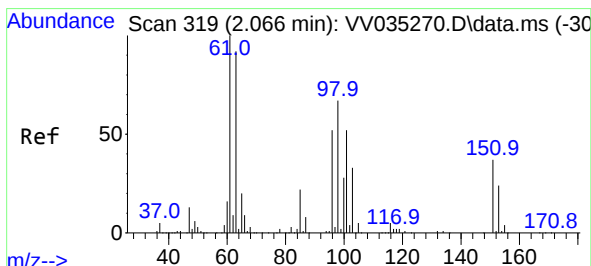
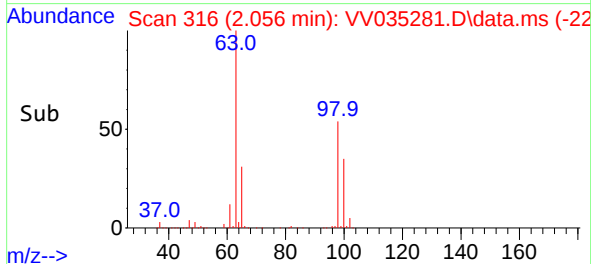
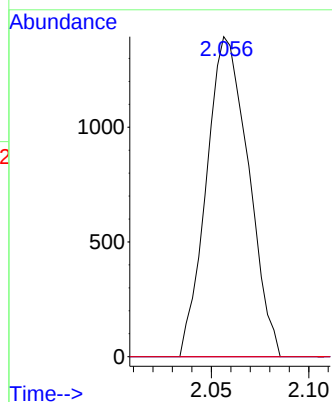
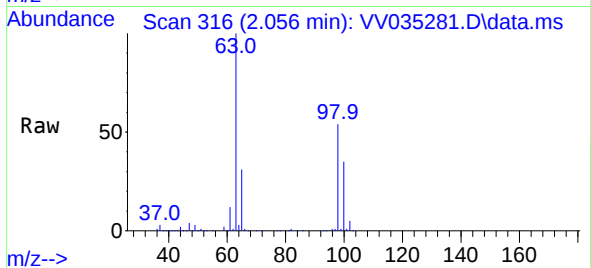




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.736 ug/L
RT: 2.056 min Scan# 316
Delta R.T. -0.010 min
Lab File: VV035281.D
Acq: 18 Apr 2024 14:26

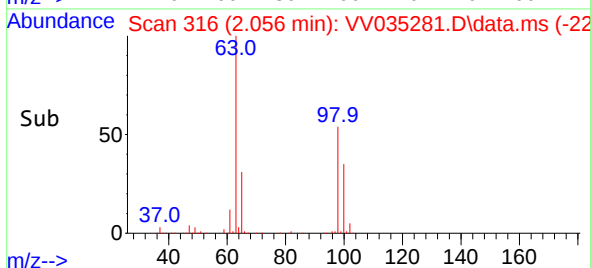
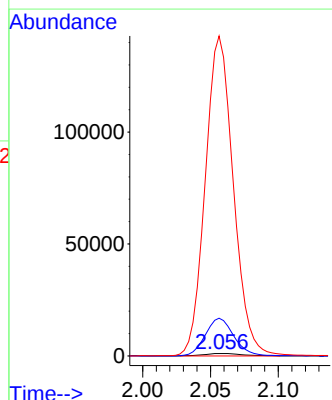
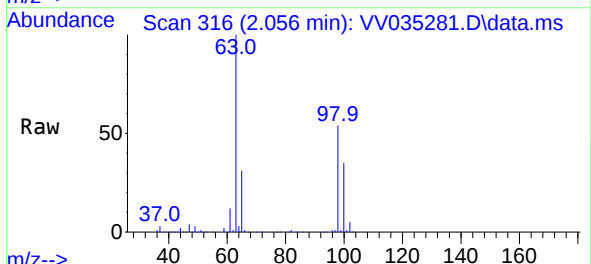
Instrument :
MSVOA_V
ClientSampleId :

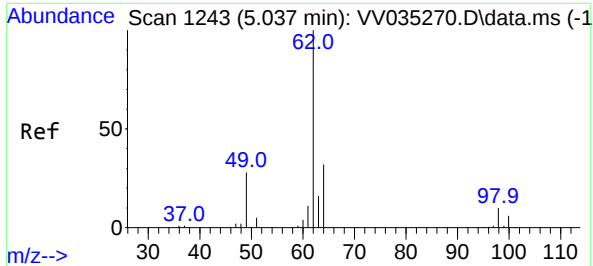
Tgt Ion:101 Resp: 2091
Ion Ratio Lower Upper
101 100
85 0.0 35.3 52.9#
151 0.0 55.0 82.4#



#12
1,1-Dichloroethene
Concen: 0.812 ug/L
RT: 2.056 min Scan# 316
Delta R.T. -0.013 min
Lab File: VV035281.D
Acq: 18 Apr 2024 14:26

Tgt Ion: 96 Resp: 2208
Ion Ratio Lower Upper
96 100
61 1519.9 131.5 244.3#
63 12898.2 111.4 206.8#

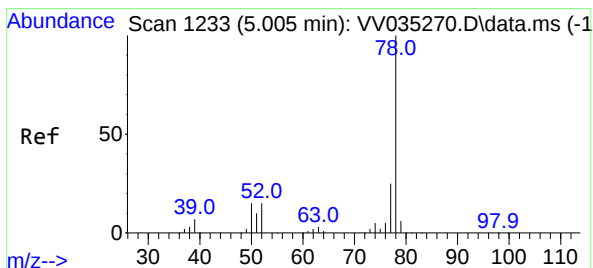
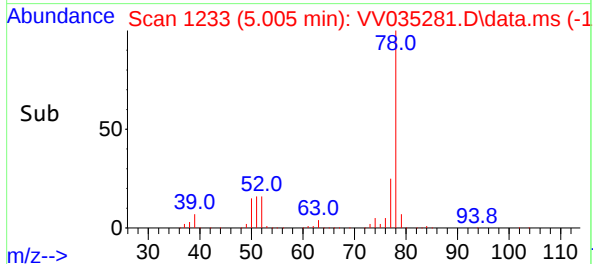
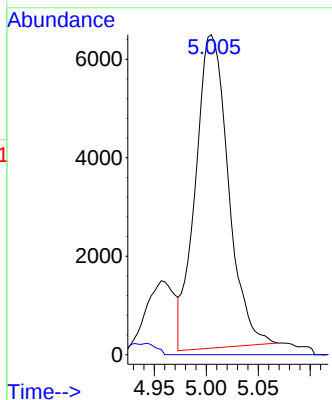
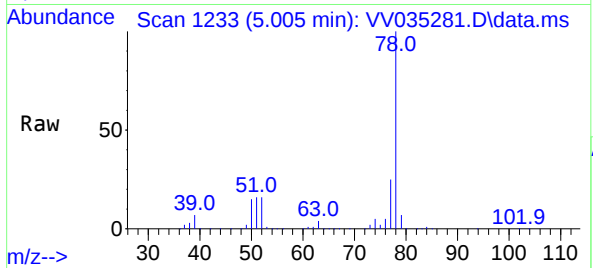




#27
1,2-Dichloroethane
Concen: 3.303 ug/L
RT: 5.005 min Scan# 1233
Delta R.T. -0.032 min
Lab File: VV035281.D
Acq: 18 Apr 2024 14:26

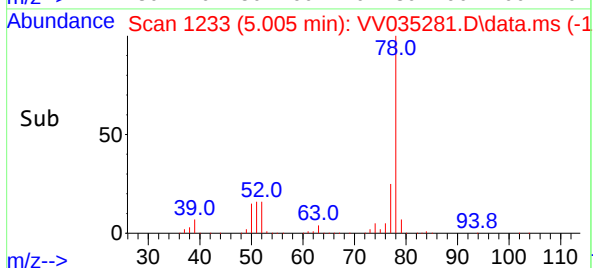
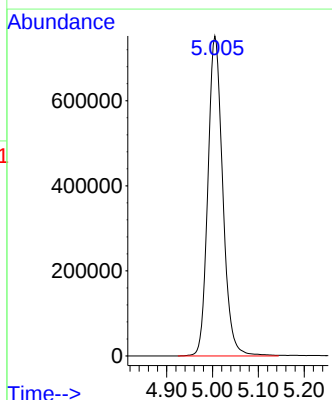
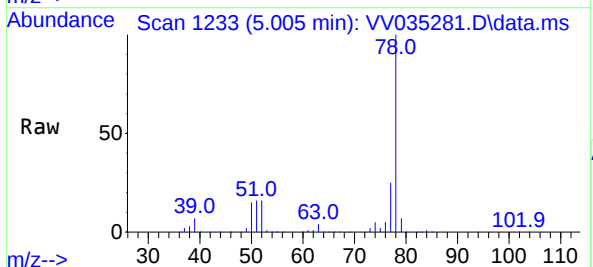
Instrument :
MSVOA_V
ClientSampleId :

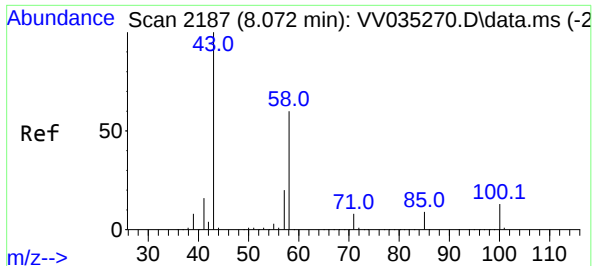
Tgt Ion: 62 Resp: 14014
Ion Ratio Lower Upper
62 100
98 0.0 7.2 10.8#



#33
Benzene
Concen: 147.137 ug/L
RT: 5.005 min Scan# 1233
Delta R.T. -0.000 min
Lab File: VV035281.D
Acq: 18 Apr 2024 14:26

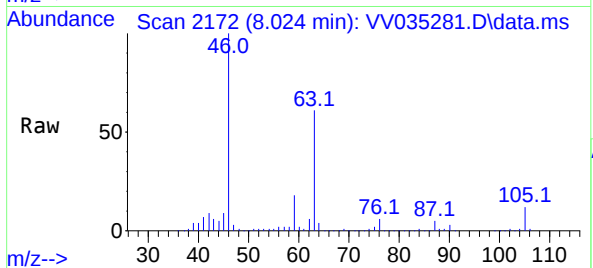
Tgt Ion: 78 Resp: 1694448



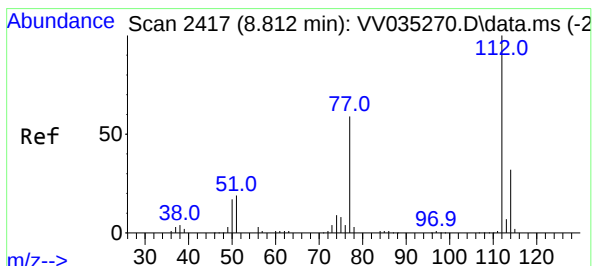
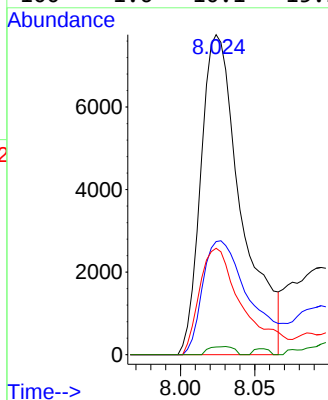
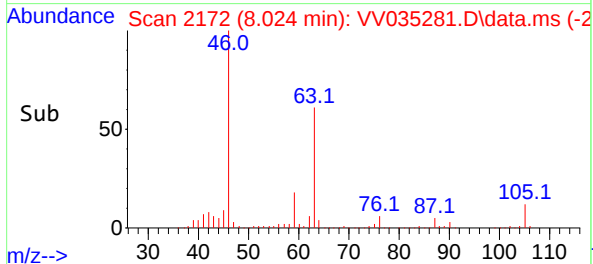


#48
2-Hexanone
Concen: 4.264 ug/L
RT: 8.024 min Scan# 2187
Delta R.T. -0.048 min
Lab File: VV035281.D
Acq: 18 Apr 2024 14:26

Instrument :
MSVOA_V
ClientSampleId :

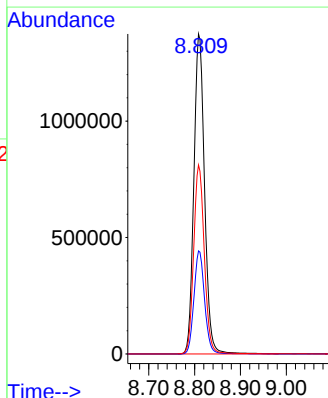
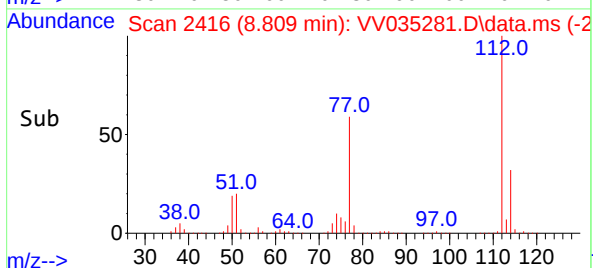
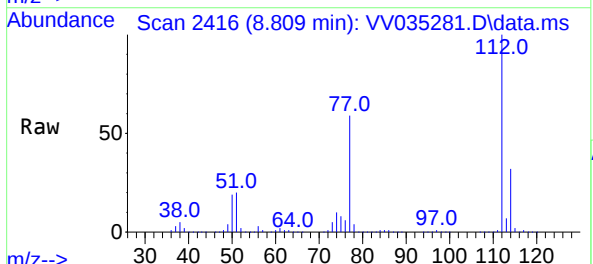


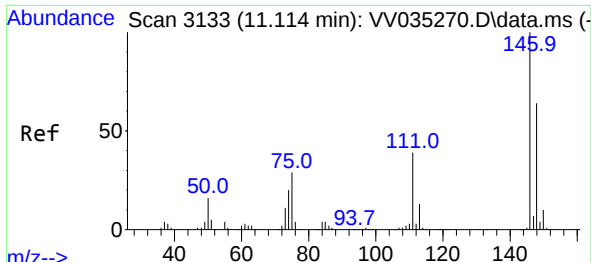
Tgt Ion: 43 Resp: 14736
Ion Ratio Lower Upper
43 100
58 40.6 45.4 68.2#
57 32.4 16.2 24.4#
100 1.6 10.1 15.1#



#51
Chlorobenzene
Concen: 284.574 ug/L
RT: 8.809 min Scan# 2416
Delta R.T. -0.003 min
Lab File: VV035281.D
Acq: 18 Apr 2024 14:26

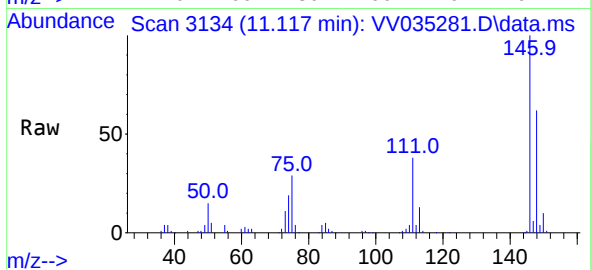
Tgt Ion: 112 Resp: 2223701
Ion Ratio Lower Upper
112 100
114 32.2 22.0 41.0
77 59.0 47.4 71.2



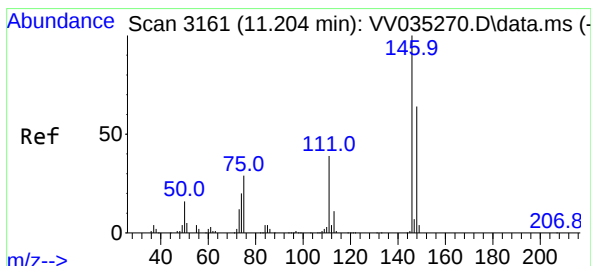
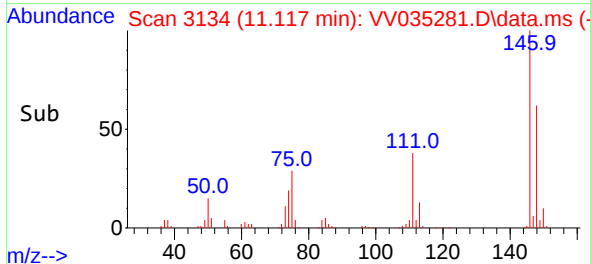
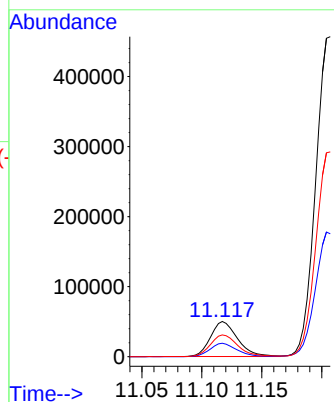


#64
1,3-Dichlorobenzene
Concen: 13.950 ug/L
RT: 11.117 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV035281.D
Acq: 18 Apr 2024 14:26

Instrument :
MSVOA_V
ClientSampleId :

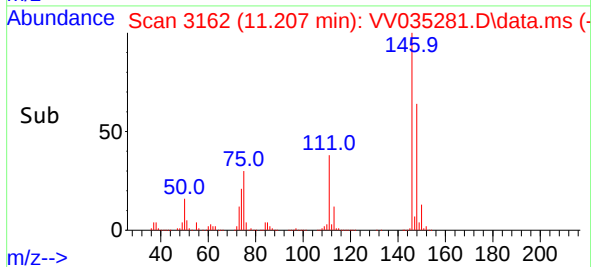
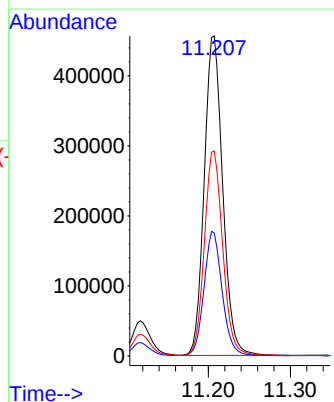
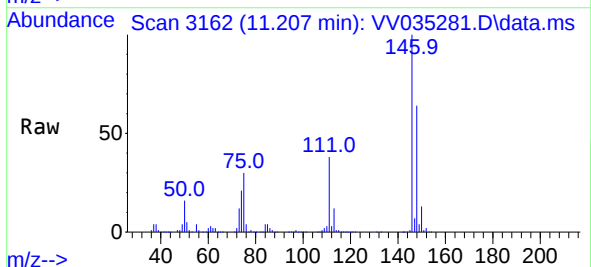


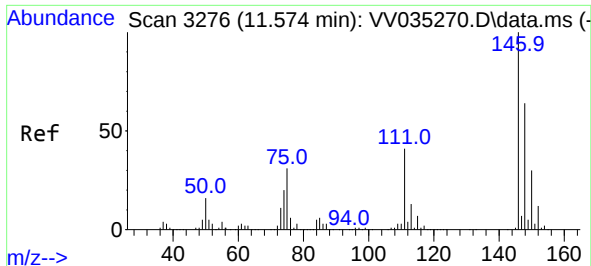
Tgt Ion:146 Resp: 78235
Ion Ratio Lower Upper
146 100
111 38.3 28.7 53.3
148 61.9 44.0 81.8



#65
1,4-Dichlorobenzene
Concen: 125.128 ug/L
RT: 11.207 min Scan# 3162
Delta R.T. -0.000 min
Lab File: VV035281.D
Acq: 18 Apr 2024 14:26

Tgt Ion:146 Resp: 713608
Ion Ratio Lower Upper
146 100
111 38.4 27.4 50.8
148 64.0 44.2 82.2





#67

1,2-Dichlorobenzene

Concen: 129.662 ug/L

RT: 11.577 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV035281.D

Acq: 18 Apr 2024 14:26

Instrument :

MSVOA_V

ClientSampleId :

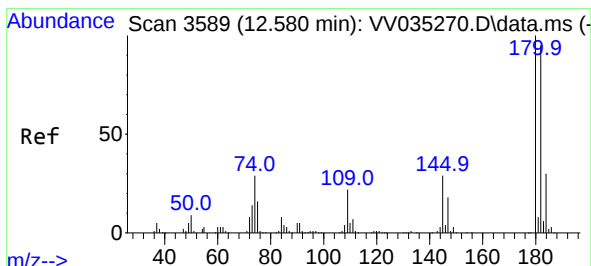
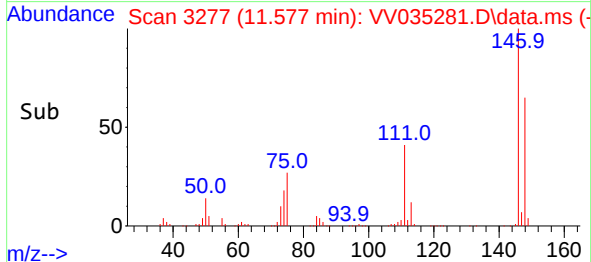
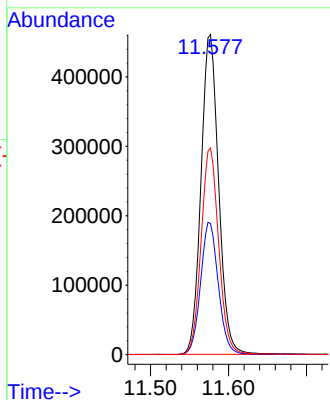
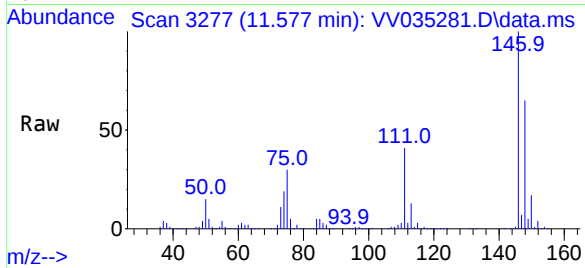
Tgt Ion:146 Resp: 724373

Ion Ratio Lower Upper

146 100

111 41.0 34.6 52.0

148 64.6 51.5 77.3



#69

1,3,5-Trichlorobenzene

Concen: 53.722 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. 0.617 min

Lab File: VV035281.D

Acq: 18 Apr 2024 14:26

Tgt Ion:180 Resp: 217134

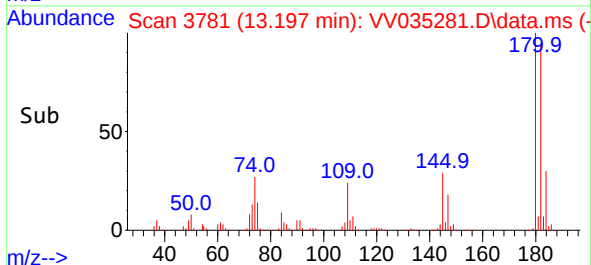
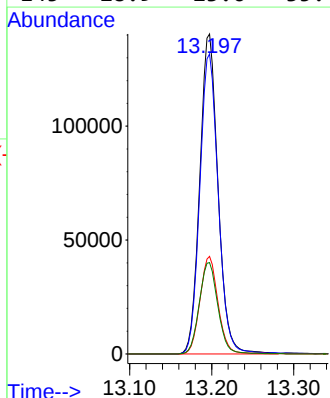
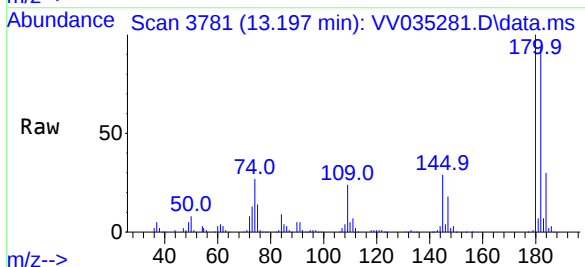
Ion Ratio Lower Upper

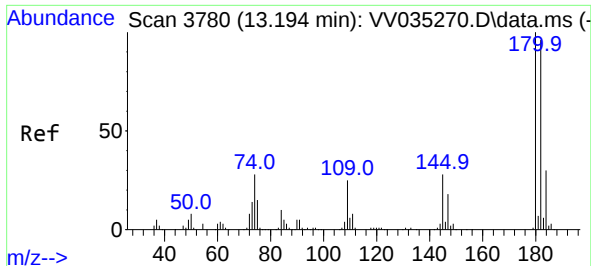
180 100

182 94.6 74.7 112.1

184 30.1 24.0 36.0

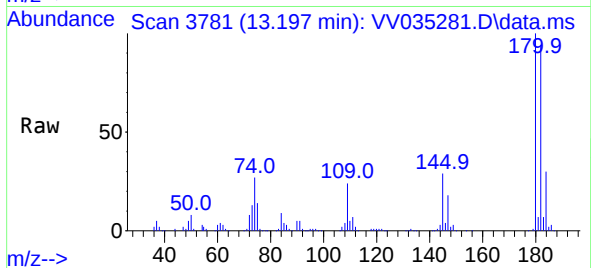
145 28.9 23.6 35.4



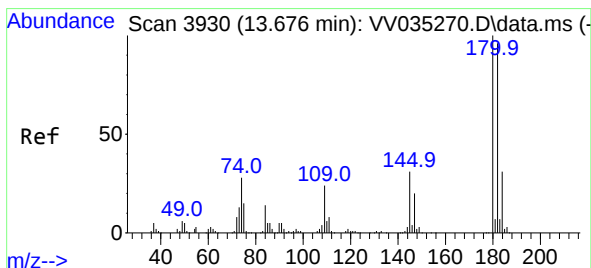
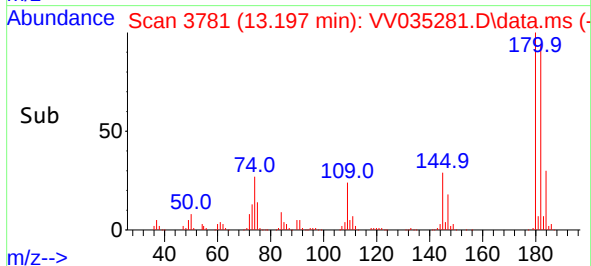
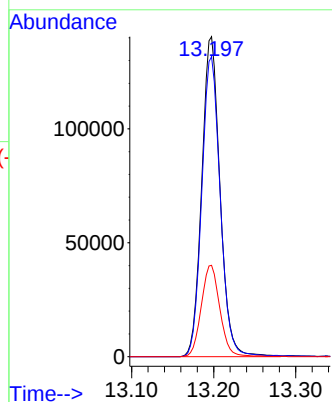


#70
1,2,4-trichlorobenzene
Concen: 58.485 ug/L
RT: 13.197 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV035281.D
Acq: 18 Apr 2024 14:26

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:180 Resp: 217134
Ion Ratio Lower Upper
180 100
182 94.6 75.6 113.4
145 28.9 24.1 36.1



#72
1,2,3-Trichlorobenzene
Concen: 13.722 ug/L
RT: 13.680 min Scan# 3931
Delta R.T. 0.003 min
Lab File: VV035281.D
Acq: 18 Apr 2024 14:26

Tgt Ion:180 Resp: 50219
Ion Ratio Lower Upper
180 100
182 96.9 76.2 114.2
145 28.5 25.8 38.6

