

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120922\
 Data File : VN0756681.D
 Acq On : 10 Dec 2022 01:07
 Operator : JC\MD
 Sample : VN1209WBL02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 12 04:21:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120922W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 12 03:01:58 2022
 Response via : Initial Calibration

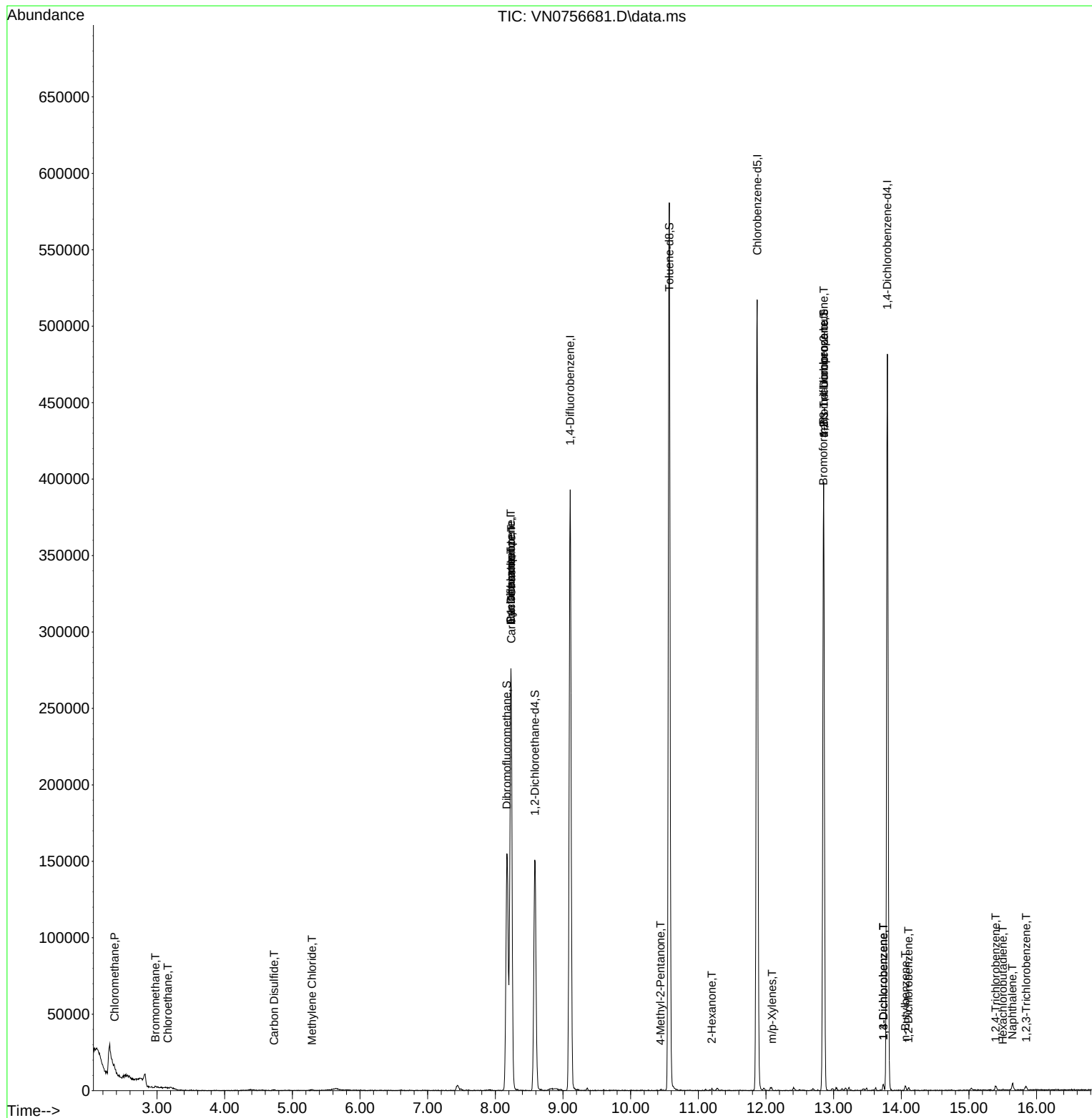
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.229	168	218935	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	364665	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	323280	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	138429	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	125243	53.915	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.840%	
35) Dibromofluoromethane	8.171	113	112848	50.721	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.440%	
50) Toluene-d8	10.570	98	420831	50.366	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.740%	
62) 4-Bromofluorobenzene	12.853	95	134039	46.920	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 93.840%	
Target Compounds						Qvalue
3) Chloromethane	2.371	50	468	0.244	ug/l #	40
5) Bromomethane	2.977	94	438	0.218	ug/l #	71
6) Chloroethane	3.159	64	397	0.226	ug/l #	43
17) Carbon Disulfide	4.730	76	1091	0.220	ug/l #	74
20) Methylene Chloride	5.289	84	553	0.236	ug/l #	36
31) Cyclohexane	8.229	56	4008	1.165	ug/l #	13
36) 1,1-Dichloropropene	8.229	75	15267	5.168	ug/l #	49
38) Carbon Tetrachloride	8.235	117	21402	6.278	ug/l #	17
51) 4-Methyl-2-Pentanone	10.441	43	634	0.260	ug/l #	32
59) 2-Hexanone	11.200	43	995	0.561	ug/l #	39
68) m/p-Xylenes	12.088	106	998	0.220	ug/l	80
71) Bromoform	12.847	173	701	0.382	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	67205	24.175	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	67205	77.218	ug/l #	13
87) 1,3-Dichlorobenzene	13.735	146	1398	0.299	ug/l	92
88) 1,4-Dichlorobenzene	13.735	146	1398	0.294	ug/l	92
89) n-Butylbenzene	14.059	91	2192	0.316	ug/l	94
91) 1,2-Dichlorobenzene	14.106	146	1189	0.256	ug/l	87
93) 1,2,4-Trichlorobenzene	15.394	180	1440	0.645	ug/l	95
94) Hexachlorobutadiene	15.500	225	349	0.275	ug/l #	64
95) Naphthalene	15.641	128	5171	0.783	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.847	180	1365	0.622	ug/l	99

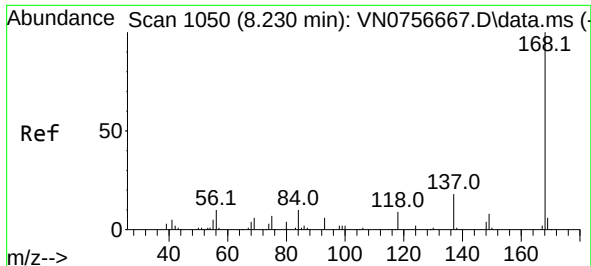
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120922\
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Sample : VN1209WBL02
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ALS Vial : 27 Sample Multiplier: 1

Instrument :
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ClientSampleId :

Quant Time: Dec 12 04:21:48 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120922W.M
Quant Title : SW846 8260
QLast Update : Mon Dec 12 03:01:58 2022
Response via : Initial Calibration

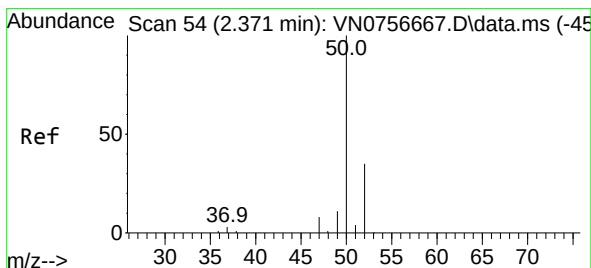
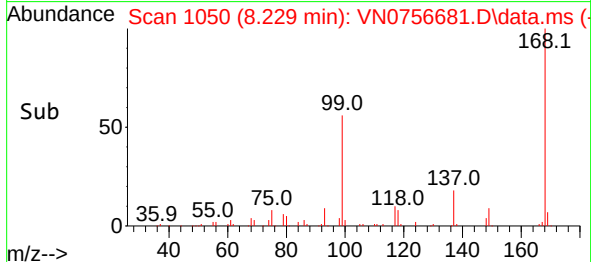
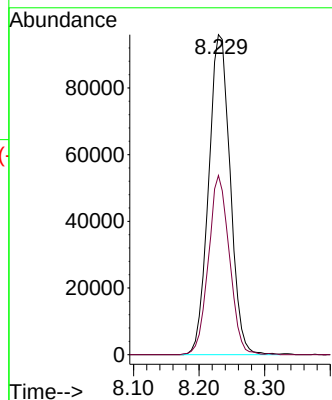
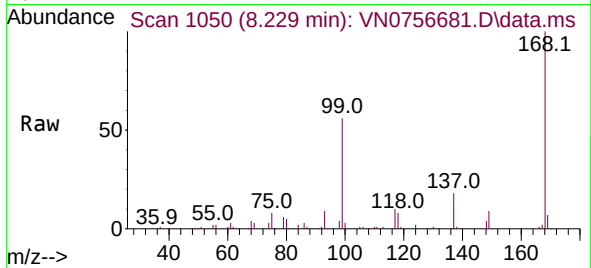




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN0756681.D
Acq: 10 Dec 2022 01:07

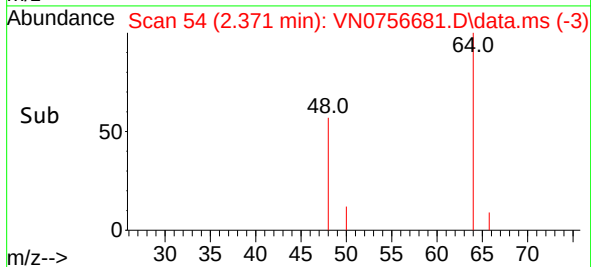
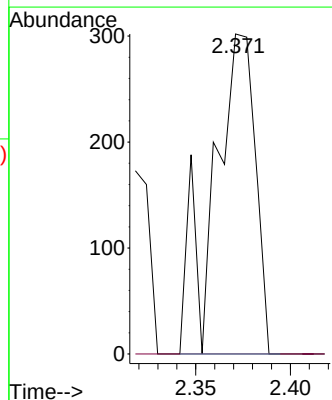
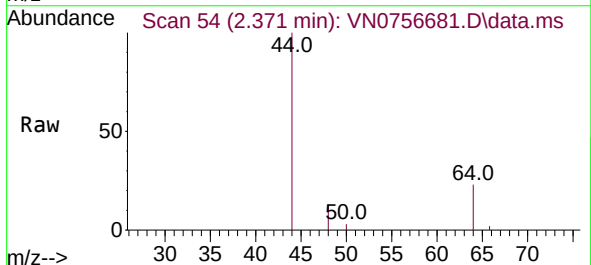
Instrument :
MSVOA_N
ClientSampleId :

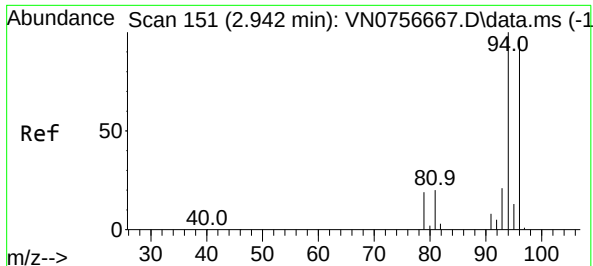
Tgt Ion:168 Resp: 218935
Ion Ratio Lower Upper
168 100
99 56.0 41.2 61.8



#3
Chloromethane
Concen: 0.244 ug/l
RT: 2.371 min Scan# 54
Delta R.T. -0.000 min
Lab File: VN0756681.D
Acq: 10 Dec 2022 01:07

Tgt Ion: 50 Resp: 468
Ion Ratio Lower Upper
50 100
52 0.0 27.9 41.9#

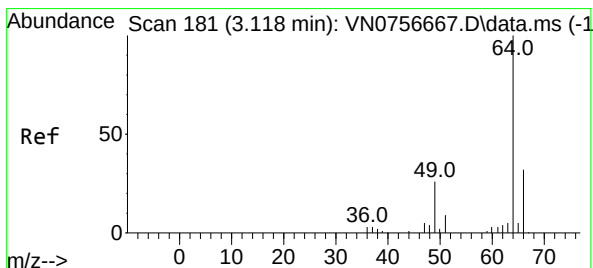
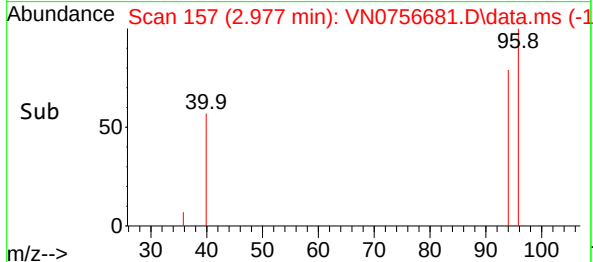
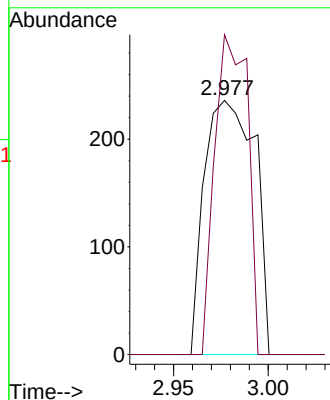
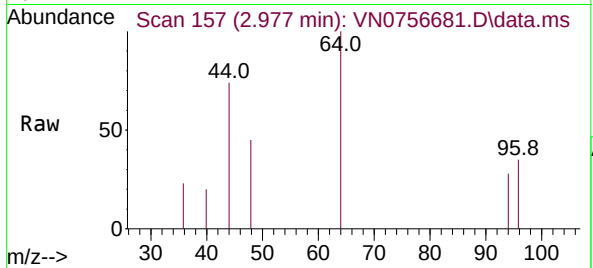




#5
Bromomethane
Concen: 0.218 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN0756681.D
Acq: 10 Dec 2022 01:07

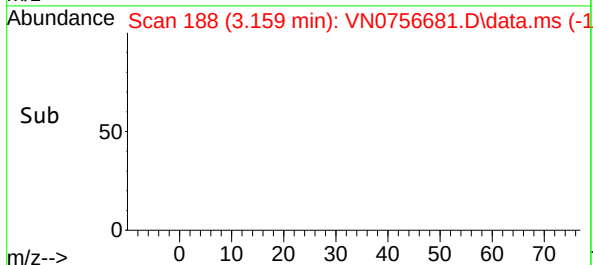
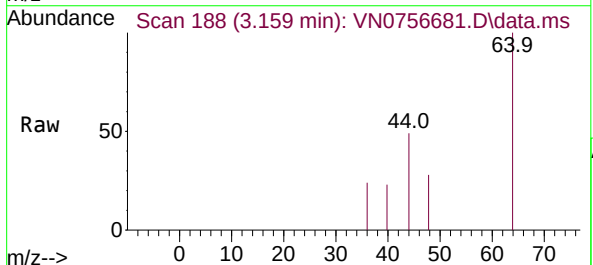
Instrument :
MSVOA_N
ClientSampleId :

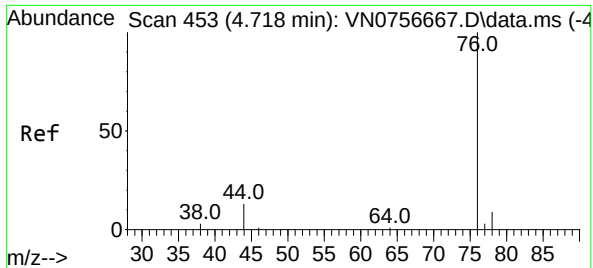
Tgt Ion: 94 Resp: 438
Ion Ratio Lower Upper
94 100
96 125.8 77.6 116.4#



#6
Chloroethane
Concen: 0.226 ug/l
RT: 3.159 min Scan# 188
Delta R.T. 0.041 min
Lab File: VN0756681.D
Acq: 10 Dec 2022 01:07

Tgt Ion: 64 Resp: 397
Ion Ratio Lower Upper
64 100
66 0.0 25.7 38.5#

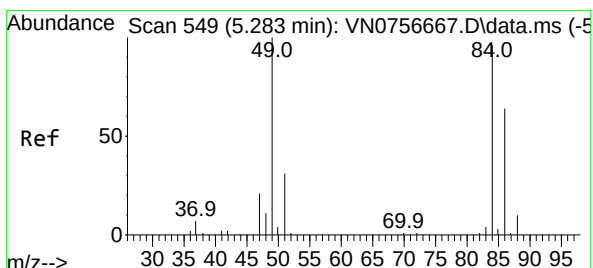
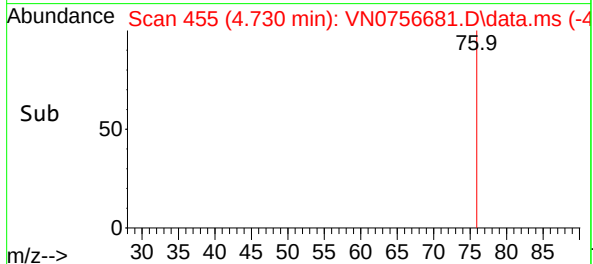
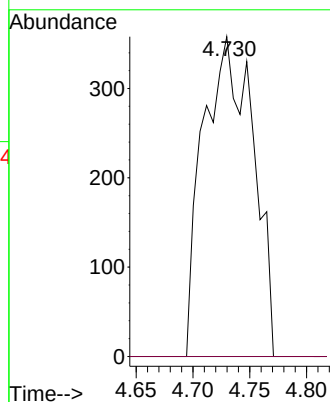
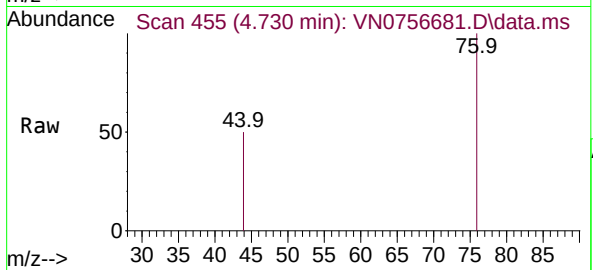




#17
Carbon Disulfide
Concen: 0.220 ug/l
RT: 4.730 min Scan# 4
Delta R.T. 0.012 min
Lab File: VN0756681.D
Acq: 10 Dec 2022 01:07

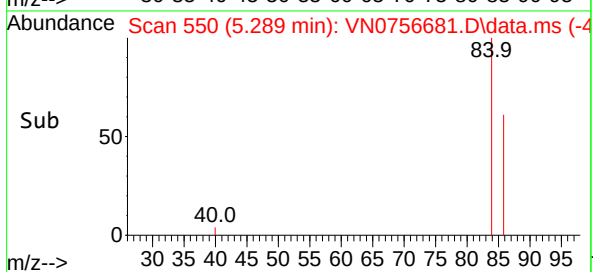
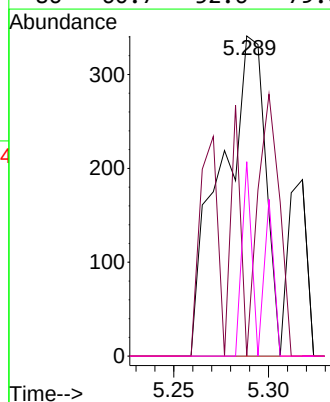
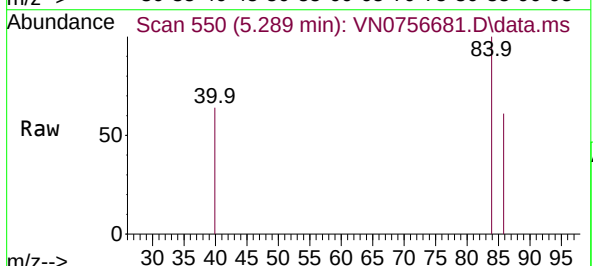
Instrument :
MSVOA_N
ClientSampleId :

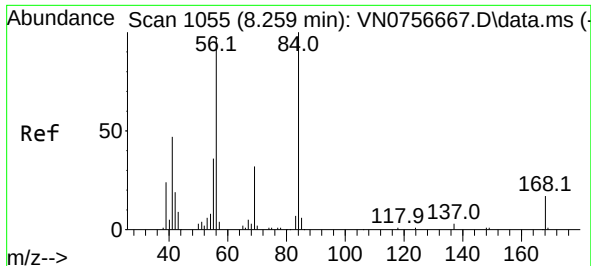
Tgt Ion: 76 Resp: 1091
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.2#



#20
Methylene Chloride
Concen: 0.236 ug/l
RT: 5.289 min Scan# 550
Delta R.T. 0.006 min
Lab File: VN0756681.D
Acq: 10 Dec 2022 01:07

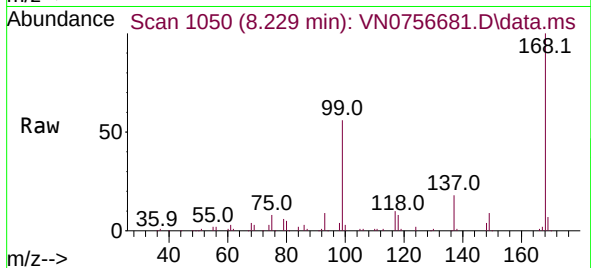
Tgt Ion: 84 Resp: 553
Ion Ratio Lower Upper
84 100
49 0.0 83.0 124.4#
51 0.0 26.0 39.0#
86 60.7 52.6 79.0



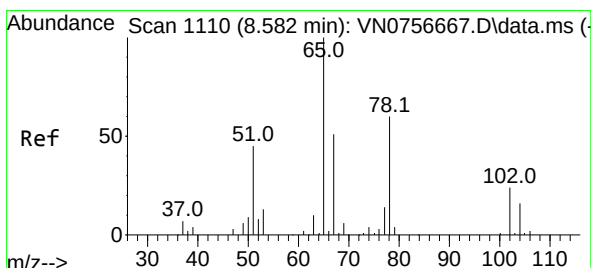
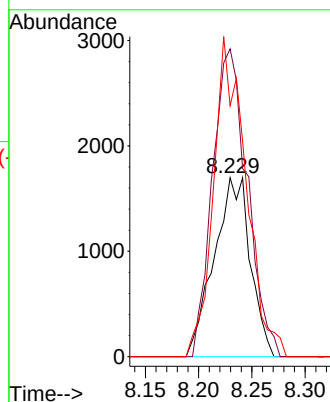
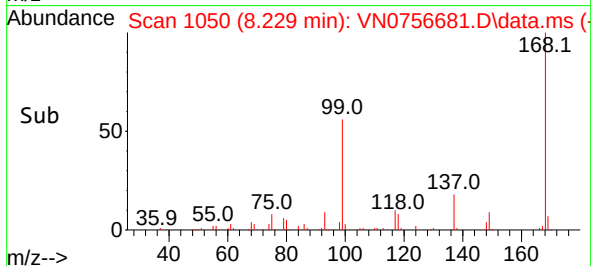


#31
Cyclohexane
Concen: 1.165 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.029 min
Lab File: VN0756681.D
Acq: 10 Dec 2022 01:07

Instrument :
MSVOA_N
ClientSampleId :

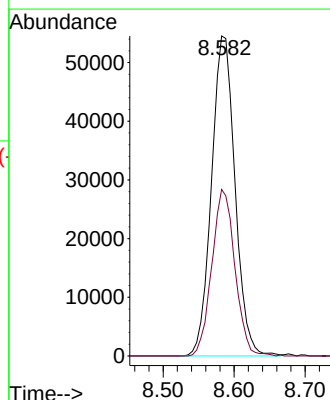
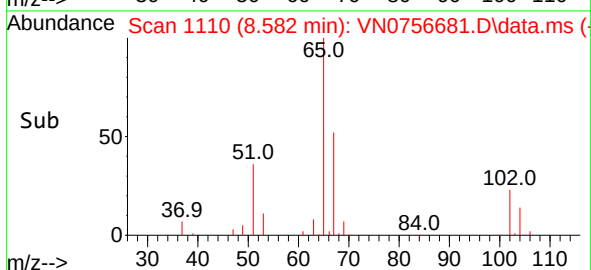
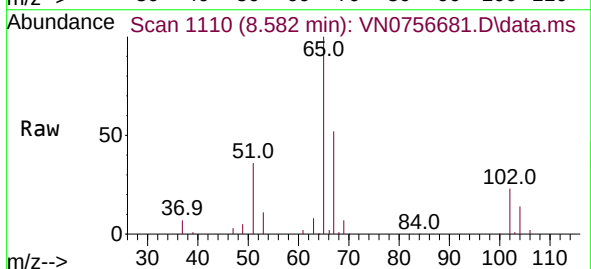


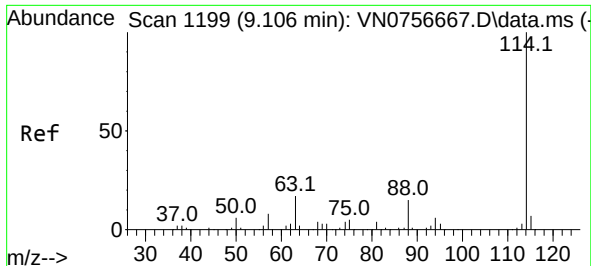
Tgt Ion: 56 Resp: 4008
Ion Ratio Lower Upper
56 100
69 172.1 26.2 39.2#
84 140.4 82.8 124.2#



#33
1,2-Dichloroethane-d4
Concen: 53.915 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VN0756681.D
Acq: 10 Dec 2022 01:07

Tgt Ion: 65 Resp: 125243
Ion Ratio Lower Upper
65 100
67 51.1 0.0 104.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN0756681.D

Acq: 10 Dec 2022 01:07

Instrument :

MSVOA_N

ClientSampleId :

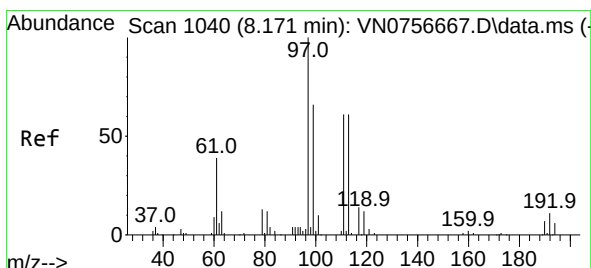
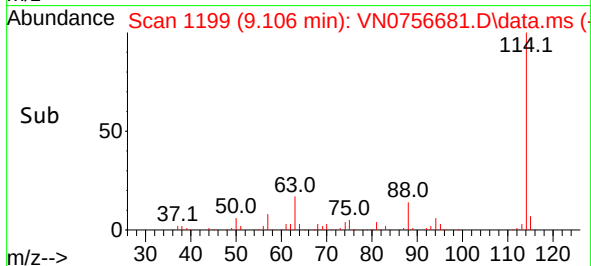
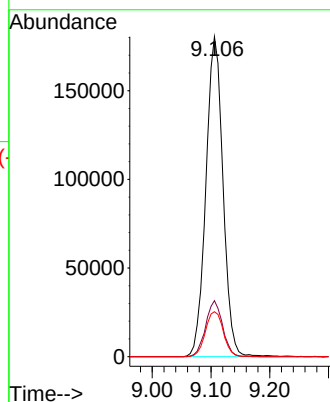
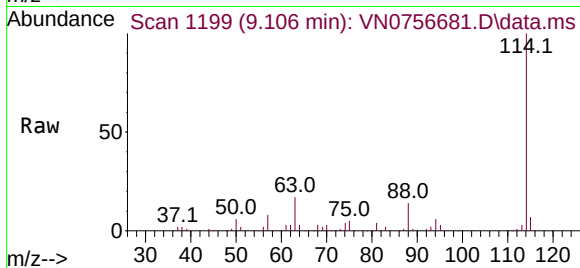
Tgt Ion:114 Resp: 364665

Ion Ratio Lower Upper

114 100

63 17.5 0.0 34.4

88 14.0 0.0 29.2



#35

Dibromofluoromethane

Concen: 50.721 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN0756681.D

Acq: 10 Dec 2022 01:07

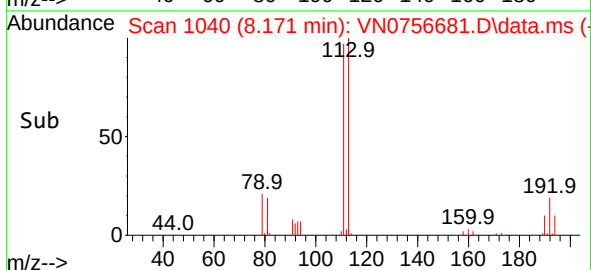
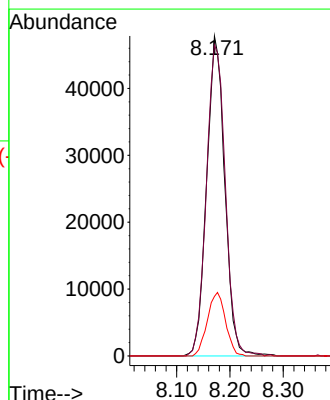
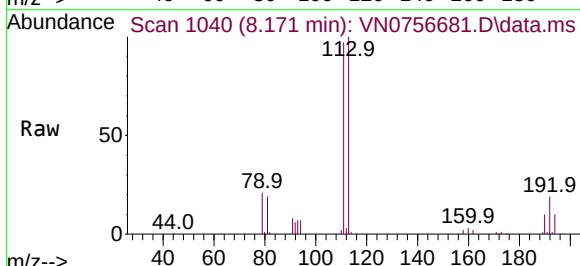
Tgt Ion:113 Resp: 112848

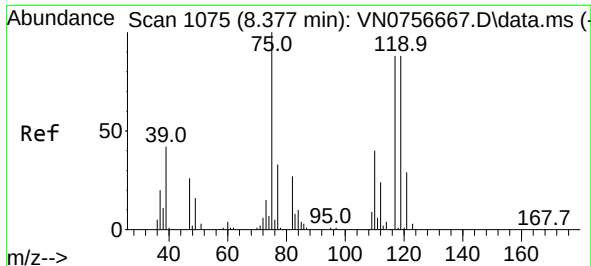
Ion Ratio Lower Upper

113 100

111 101.8 81.0 121.6

192 20.0 16.2 24.2

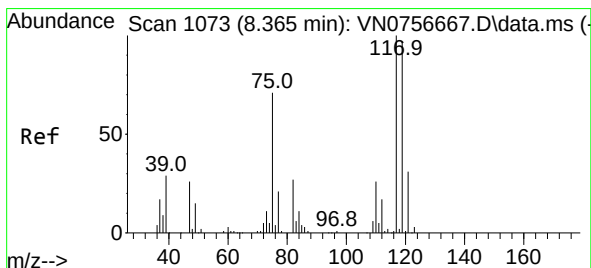
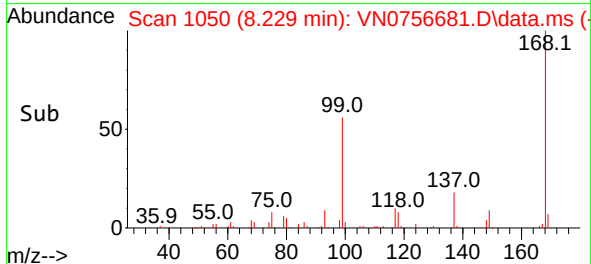
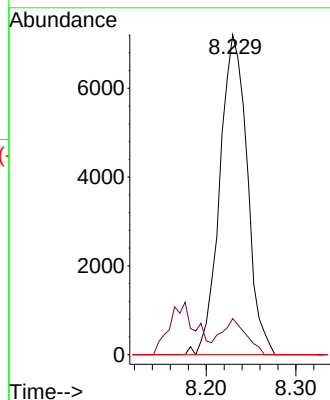
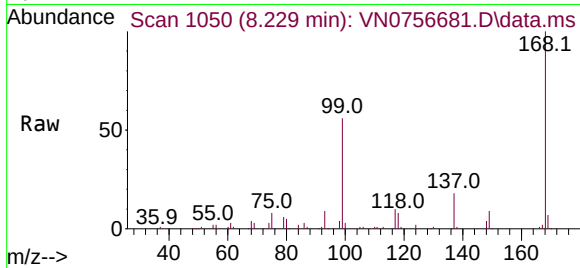




#36
1,1-Dichloropropene
Concen: 5.168 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN0756681.D
Acq: 10 Dec 2022 01:07

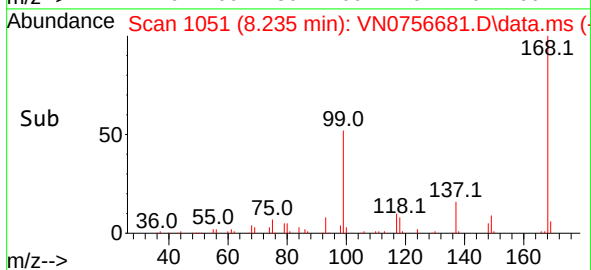
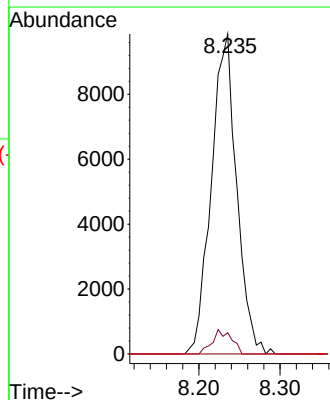
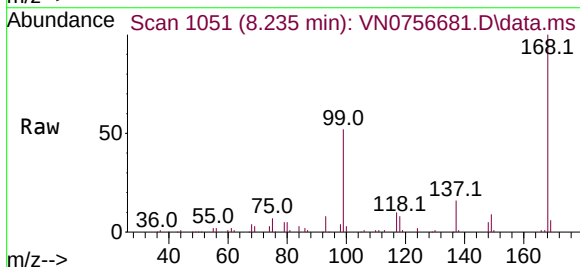
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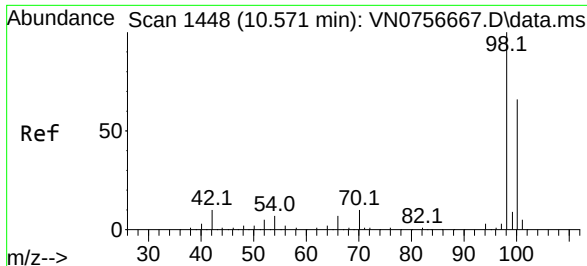
Tgt Ion: 75 Resp: 15267
Ion Ratio Lower Upper
75 100
110 10.1 18.9 56.9#
77 0.0 25.4 38.2#



#38
Carbon Tetrachloride
Concen: 6.278 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.129 min
Lab File: VN0756681.D
Acq: 10 Dec 2022 01:07

Tgt Ion: 117 Resp: 21402
Ion Ratio Lower Upper
117 100
119 6.7 77.2 115.8#
121 0.0 24.6 37.0#

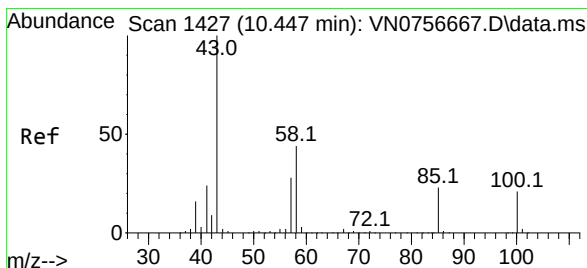
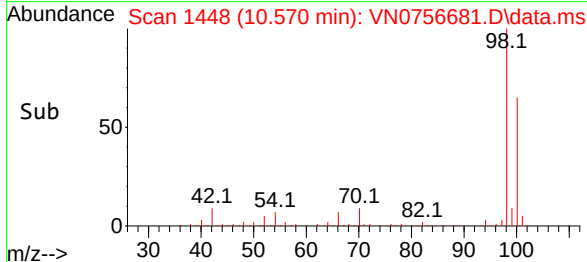
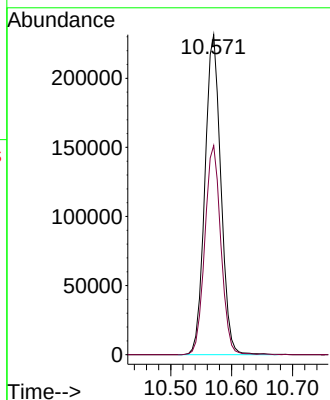
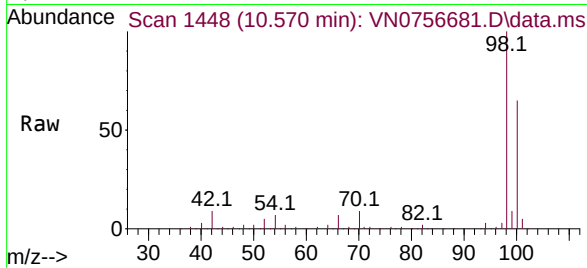




#50
Toluene-d8
Concen: 50.366 ug/l
RT: 10.570 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN0756681.D
Acq: 10 Dec 2022 01:07

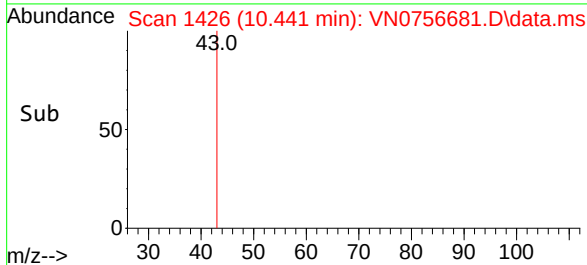
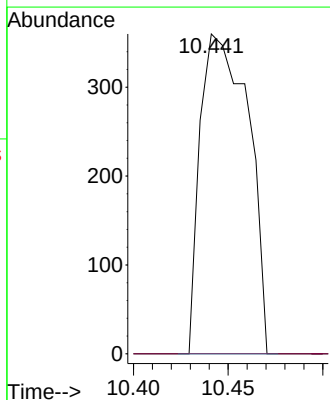
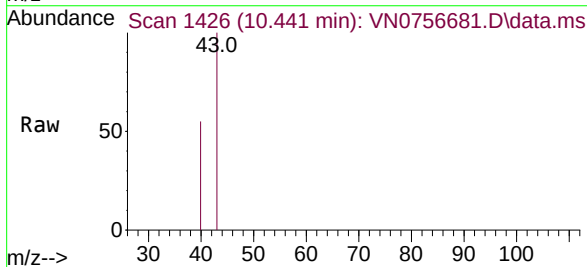
Instrument :
MSVOA_N
ClientSampleId :

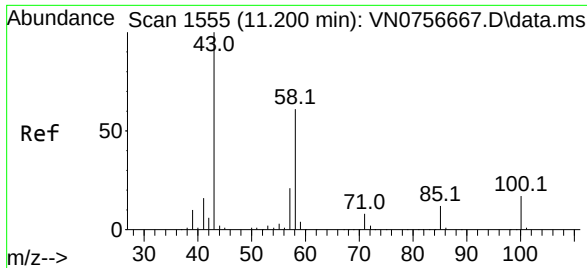
Tgt Ion: 98 Resp: 420831
Ion Ratio Lower Upper
98 100
100 65.7 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.260 ug/l
RT: 10.441 min Scan# 1426
Delta R.T. -0.006 min
Lab File: VN0756681.D
Acq: 10 Dec 2022 01:07

Tgt Ion: 43 Resp: 634
Ion Ratio Lower Upper
43 100
58 0.0 35.0 52.6#

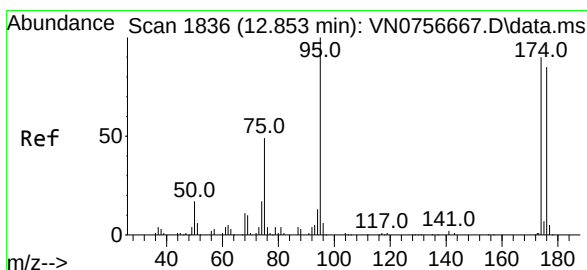
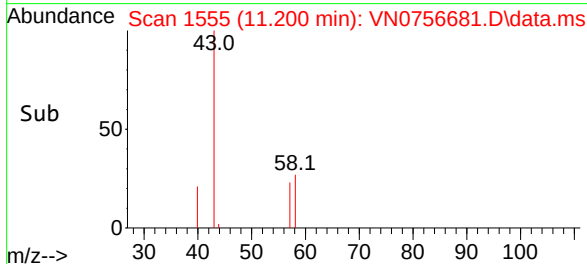
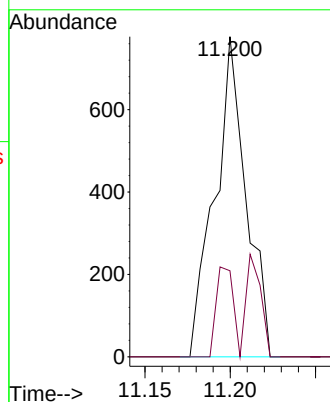
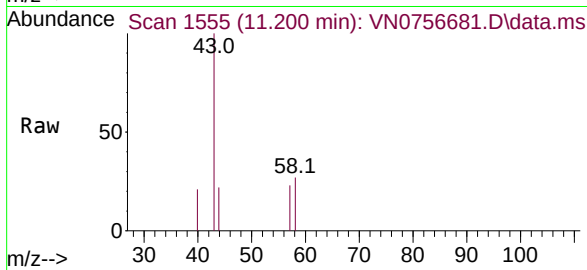




#59
2-Hexanone
Concen: 0.561 ug/l
RT: 11.200 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN0756681.D
Acq: 10 Dec 2022 01:07

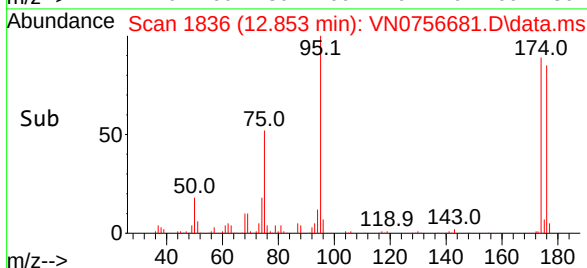
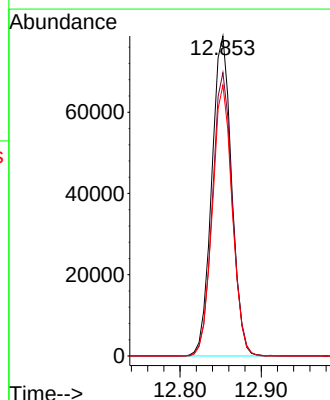
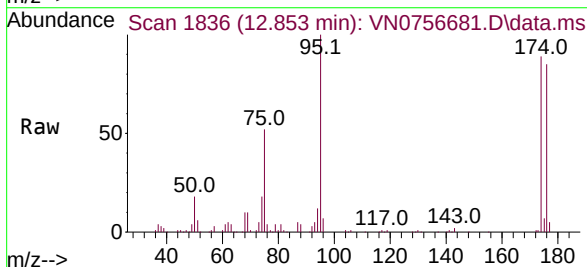
Instrument :
MSVOA_N
ClientSampleId :

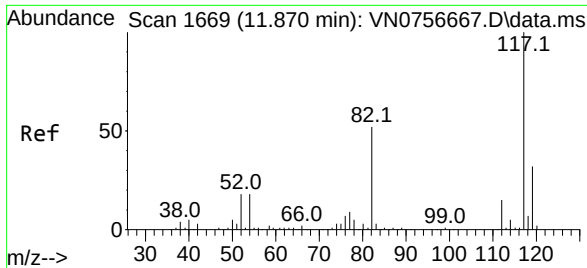
Tgt Ion: 43 Resp: 995
Ion Ratio Lower Upper
43 100
58 15.2 30.9 92.5#



#62
4-Bromofluorobenzene
Concen: 46.920 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN0756681.D
Acq: 10 Dec 2022 01:07

Tgt Ion: 95 Resp: 134039
Ion Ratio Lower Upper
95 100
174 88.2 0.0 178.6
176 84.3 0.0 170.8

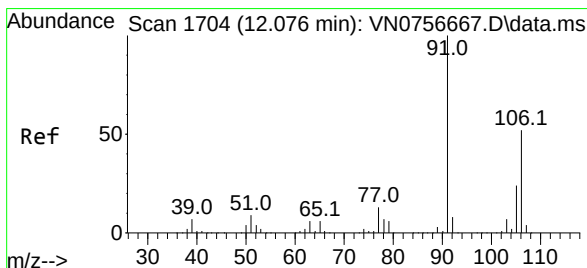
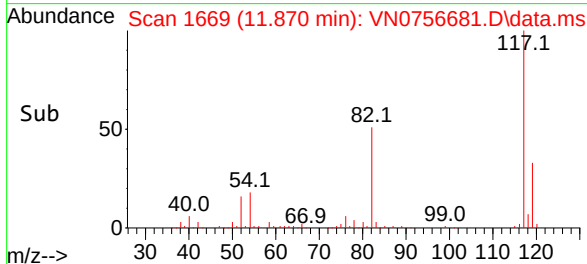
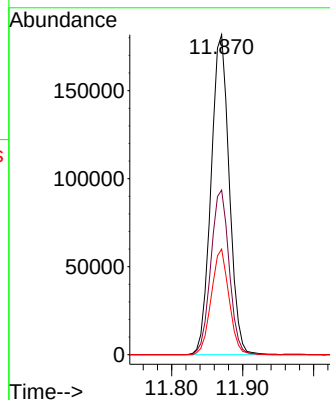
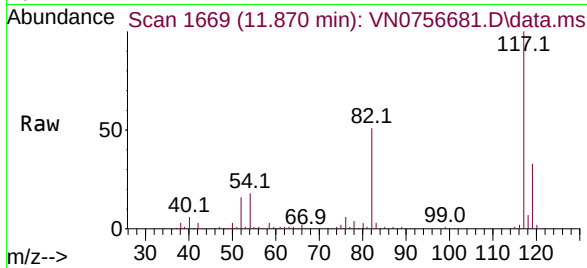




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN0756681.D
Acq: 10 Dec 2022 01:07

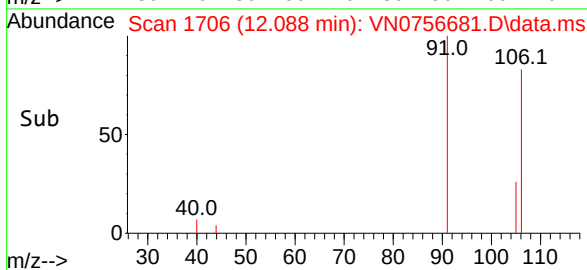
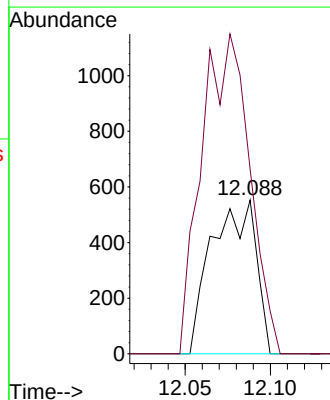
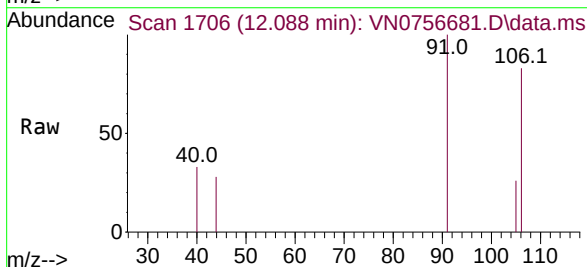
Instrument :
MSVOA_N
ClientSampleId :

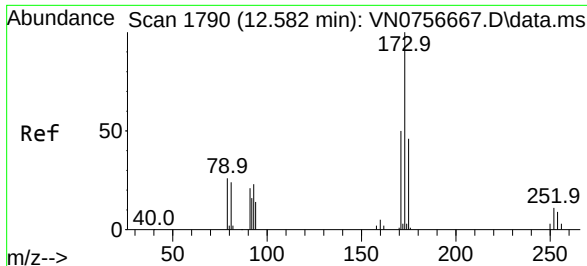
Tgt Ion:117 Resp: 323280
Ion Ratio Lower Upper
117 100
82 51.4 41.8 62.8
119 33.0 25.8 38.6



#68
m/p-Xylenes
Concen: 0.220 ug/l
RT: 12.088 min Scan# 1706
Delta R.T. 0.012 min
Lab File: VN0756681.D
Acq: 10 Dec 2022 01:07

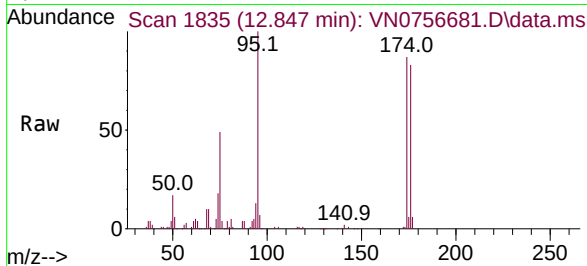
Tgt Ion:106 Resp: 998
Ion Ratio Lower Upper
106 100
91 225.7 156.2 234.4



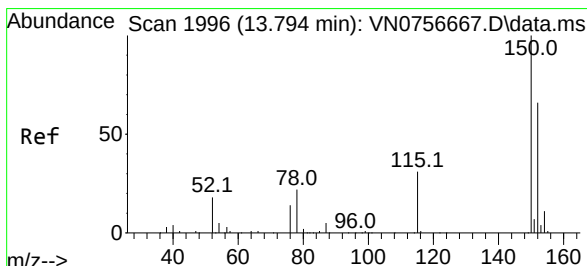
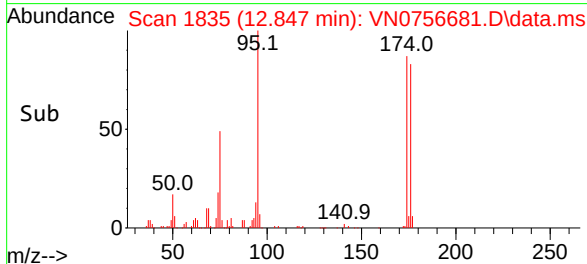
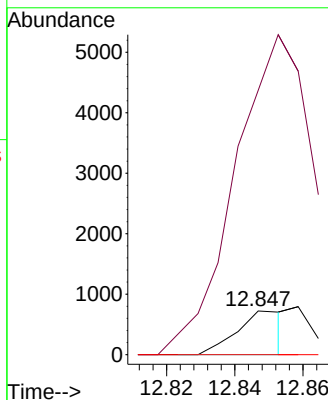


#71
Bromoform
Concen: 0.382 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN0756681.D
Acq: 10 Dec 2022 01:07

Instrument :
MSVOA_N
ClientSampleId :

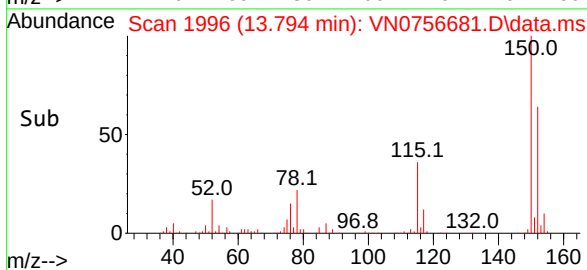
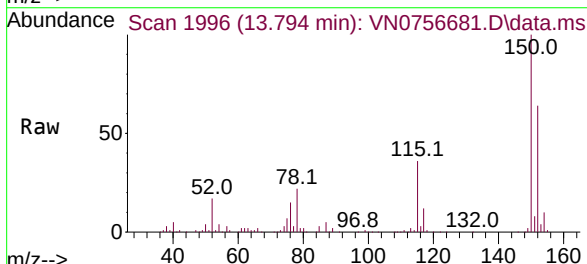
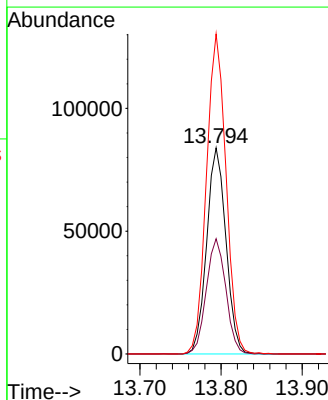


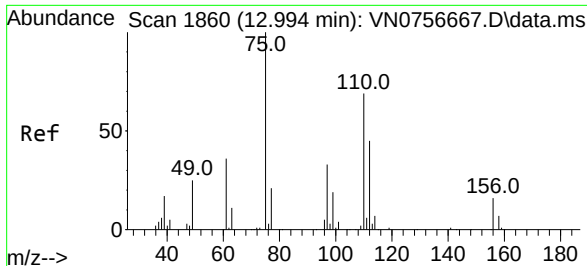
Tgt Ion:173 Resp: 701
Ion Ratio Lower Upper
173 100
175 1023.8 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN0756681.D
Acq: 10 Dec 2022 01:07

Tgt Ion:152 Resp: 138429
Ion Ratio Lower Upper
152 100
115 56.6 28.4 85.2
150 157.2 0.0 347.6

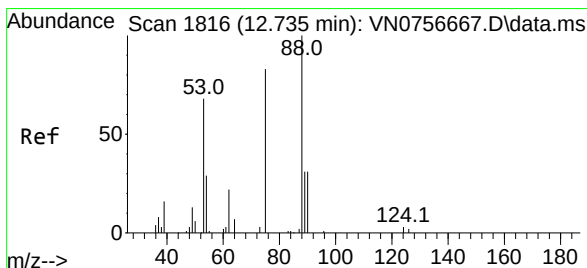
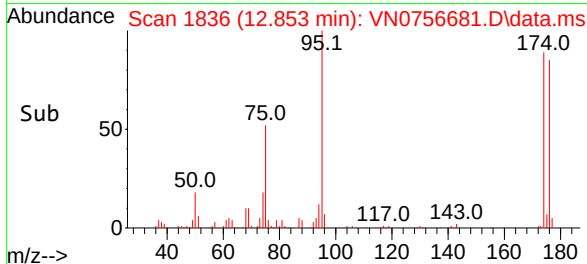
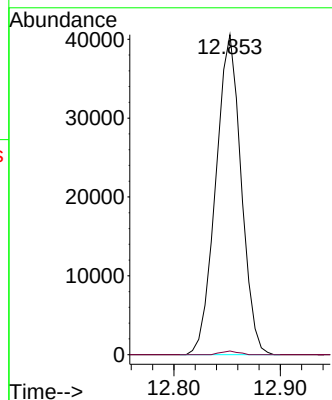
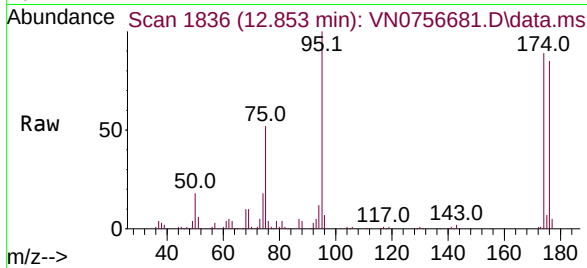




#76
1,2,3-Trichloropropane
Concen: 24.175 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN0756681.D
Acq: 10 Dec 2022 01:07

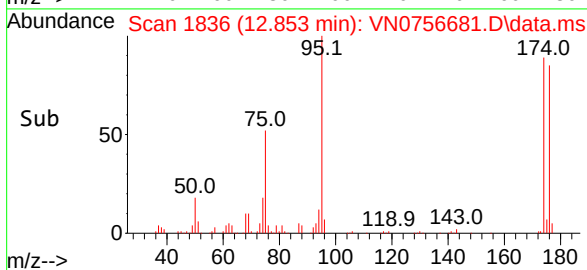
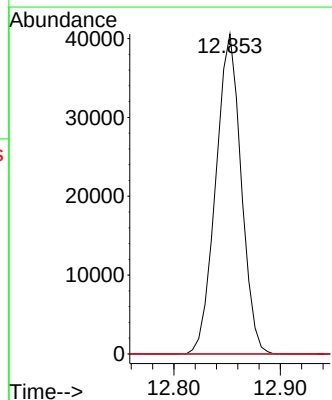
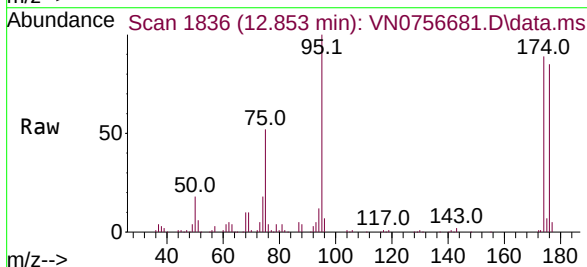
Instrument :
MSVOA_N
ClientSampleId :

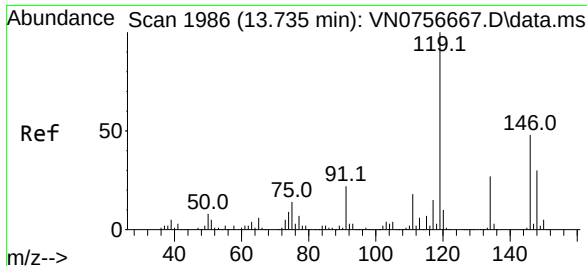
Tgt Ion: 75 Resp: 67205
Ion Ratio Lower Upper
75 100
77 0.8 81.8 245.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.218 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN0756681.D
Acq: 10 Dec 2022 01:07

Tgt Ion: 75 Resp: 67205
Ion Ratio Lower Upper
75 100
53 0.0 72.4 108.6#
89 0.0 36.6 55.0#





#87

1,3-Dichlorobenzene

Concen: 0.299 ug/l

RT: 13.735 min Scan# 1986

Delta R.T. -0.000 min

Lab File: VN0756681.D

Acq: 10 Dec 2022 01:07

Instrument :

MSVOA_N

ClientSampleId :

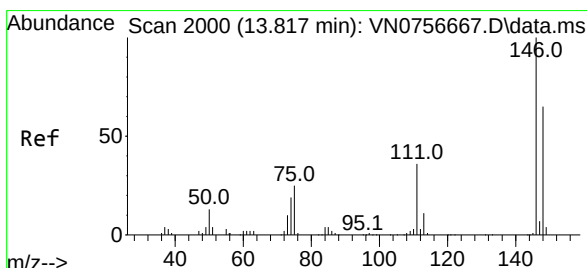
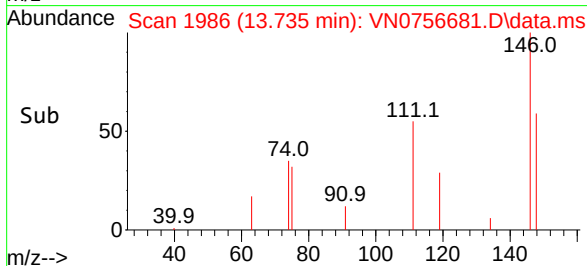
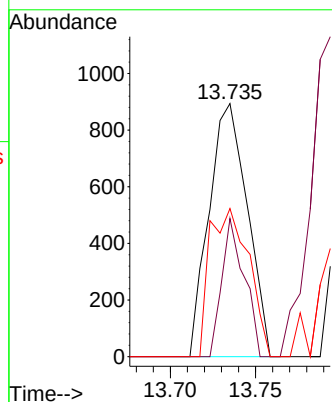
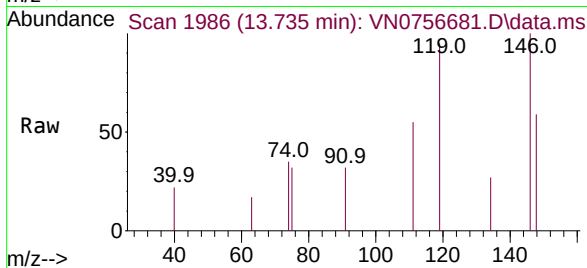
Tgt Ion:146 Resp: 1398

Ion Ratio Lower Upper

146 100

111 32.0 19.8 59.3

148 59.4 32.1 96.3



#88

1,4-Dichlorobenzene

Concen: 0.294 ug/l

RT: 13.735 min Scan# 1986

Delta R.T. -0.082 min

Lab File: VN0756681.D

Acq: 10 Dec 2022 01:07

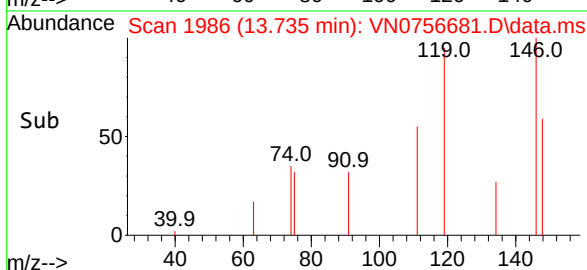
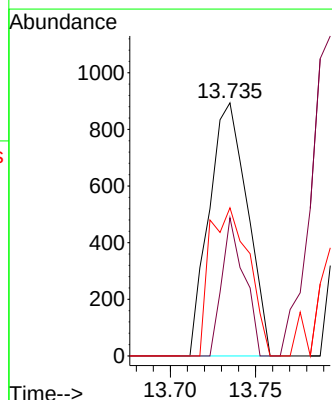
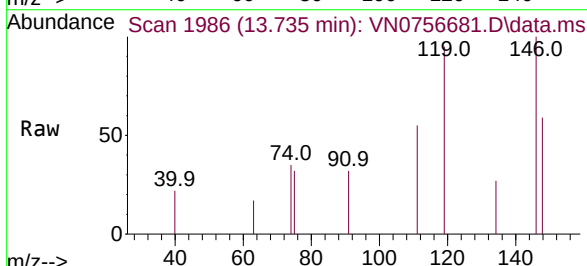
Tgt Ion:146 Resp: 1398

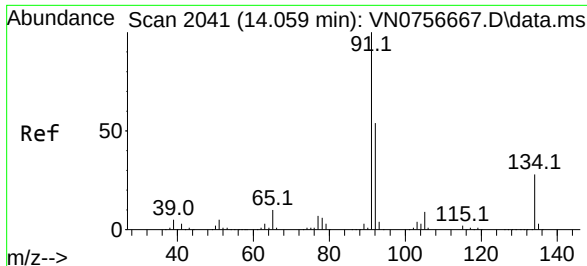
Ion Ratio Lower Upper

146 100

111 32.0 19.1 57.1

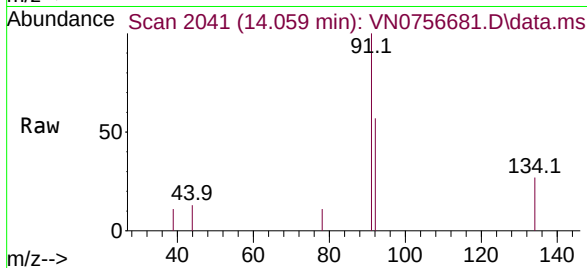
148 59.4 32.1 96.3



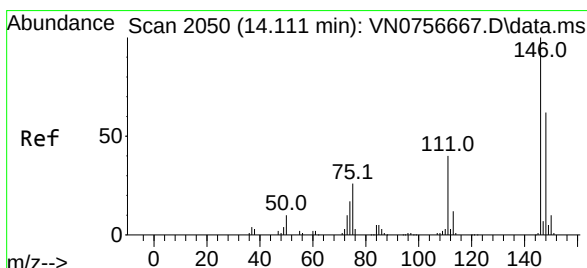
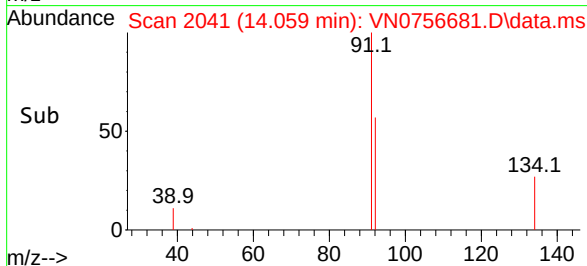
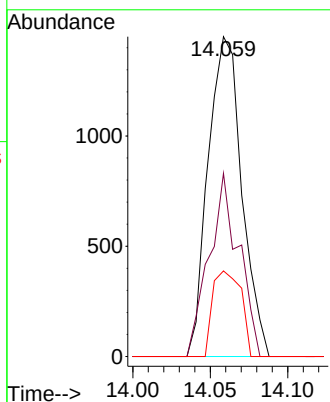


#89
n-Butylbenzene
Concen: 0.316 ug/l
RT: 14.059 min Scan# 2041
Delta R.T. -0.000 min
Lab File: VN0756681.D
Acq: 10 Dec 2022 01:07

Instrument :
MSVOA_N
ClientSampleId :

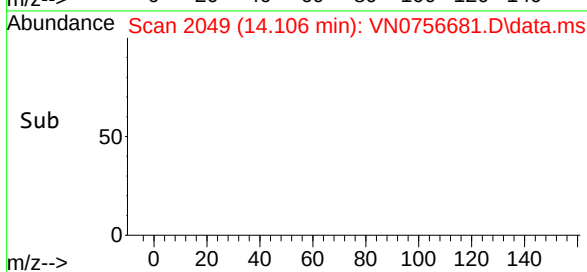
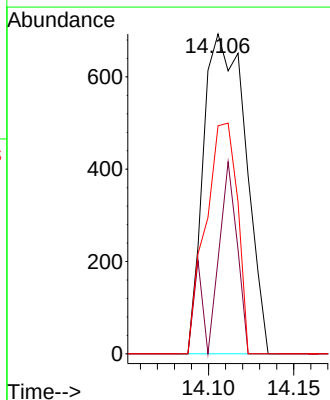
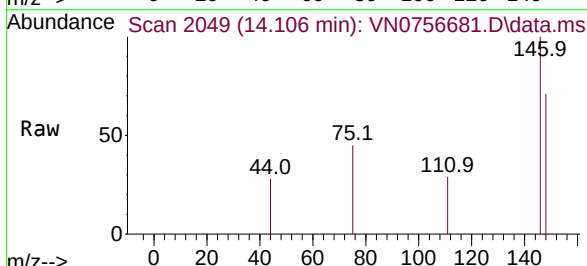


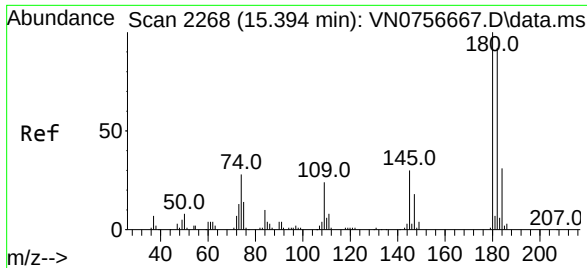
Tgt Ion: 91	Resp: 2192
Ion Ratio	Lower Upper
91	100
92	50.5 26.7 80.1
134	22.4 13.9 41.7



#91
1,2-Dichlorobenzene
Concen: 0.256 ug/l
RT: 14.106 min Scan# 2049
Delta R.T. -0.006 min
Lab File: VN0756681.D
Acq: 10 Dec 2022 01:07

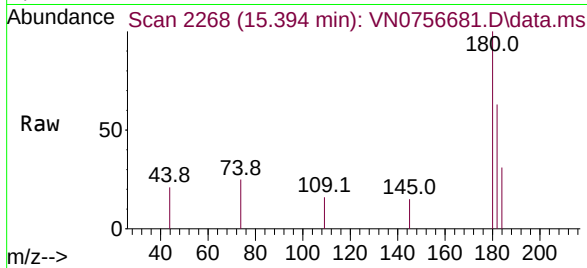
Tgt Ion: 146	Resp: 1189
Ion Ratio	Lower Upper
146	100
111	31.1 20.1 60.3
148	54.5 31.9 95.5



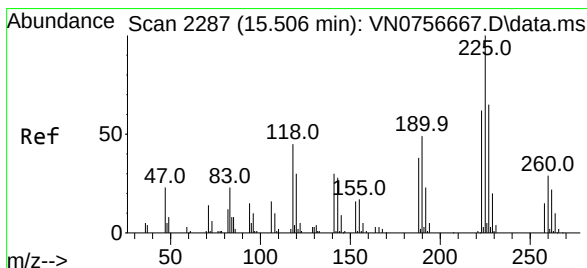
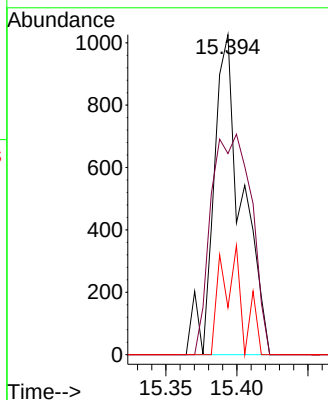
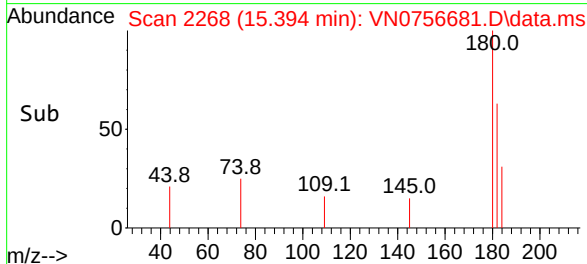


#93
 1,2,4-Trichlorobenzene
 Concen: 0.645 ug/l
 RT: 15.394 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN0756681.D
 Acq: 10 Dec 2022 01:07

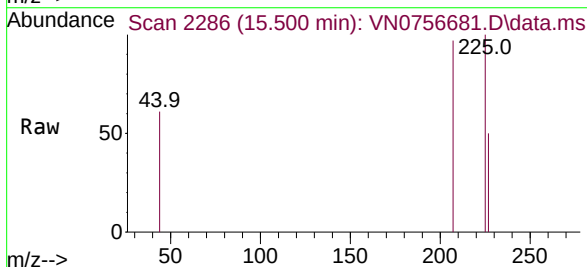
Instrument :
 MSVOA_N
 ClientSampleId :



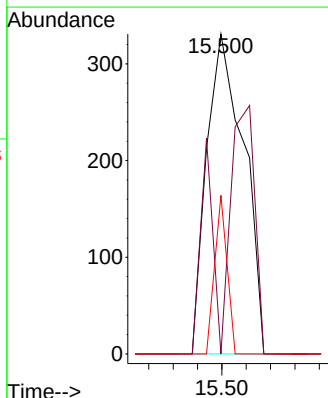
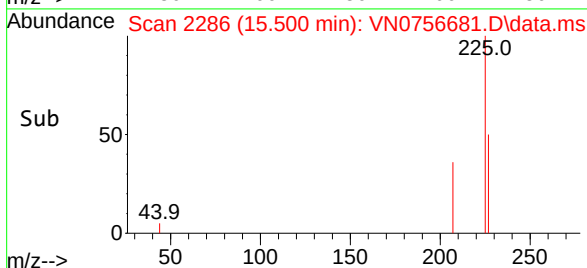
Tgt Ion:180 Resp: 1440
 Ion Ratio Lower Upper
 180 100
 182 97.2 47.1 141.3
 145 25.1 15.2 45.5

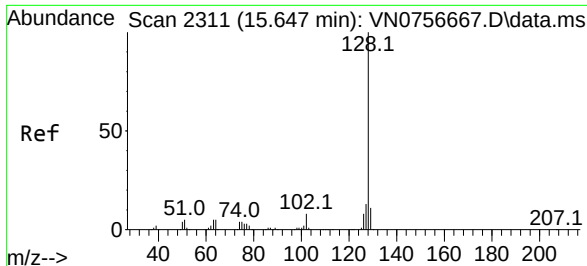


#94
 Hexachlorobutadiene
 Concen: 0.275 ug/l
 RT: 15.500 min Scan# 2286
 Delta R.T. -0.006 min
 Lab File: VN0756681.D
 Acq: 10 Dec 2022 01:07



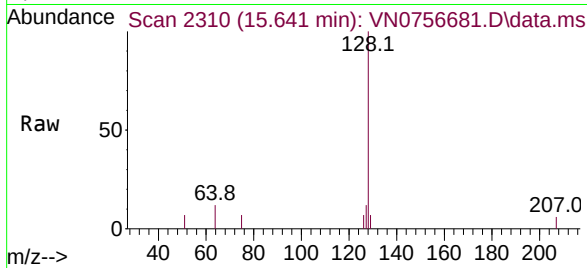
Tgt Ion:225 Resp: 349
 Ion Ratio Lower Upper
 225 100
 223 72.2 31.4 94.2
 227 16.6 31.3 93.9#



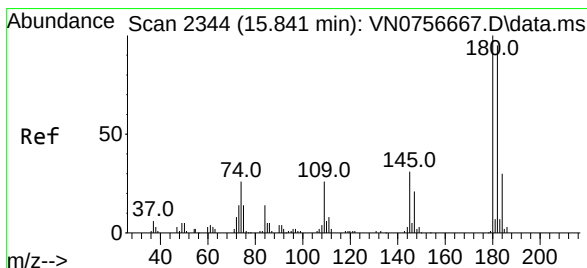
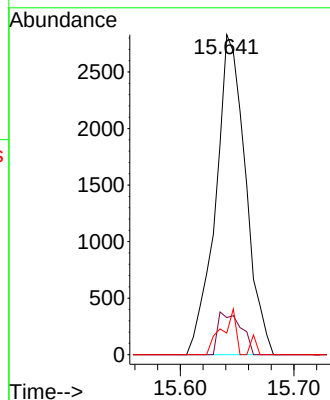
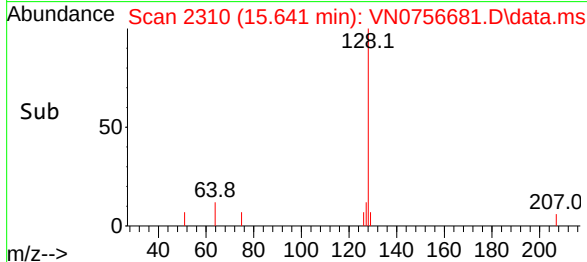


#95
Naphthalene
Concen: 0.783 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. -0.006 min
Lab File: VN0756681.D
Acq: 10 Dec 2022 01:07

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 5171
Ion Ratio Lower Upper
128 100
127 10.2 10.2 15.4#
129 6.7 8.4 12.6#



#96
1,2,3-Trichlorobenzene
Concen: 0.622 ug/l
RT: 15.847 min Scan# 2345
Delta R.T. 0.006 min
Lab File: VN0756681.D
Acq: 10 Dec 2022 01:07

Tgt Ion:180 Resp: 1365
Ion Ratio Lower Upper
180 100
182 93.6 46.8 140.4
145 29.5 15.6 46.8

