

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121323\
 Data File : VN080459.D
 Acq On : 13 Dec 2023 14:06
 Operator : JC\MD
 Sample : 05688-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 14 04:06:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 13 01:57:14 2023
 Response via : Initial Calibration

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

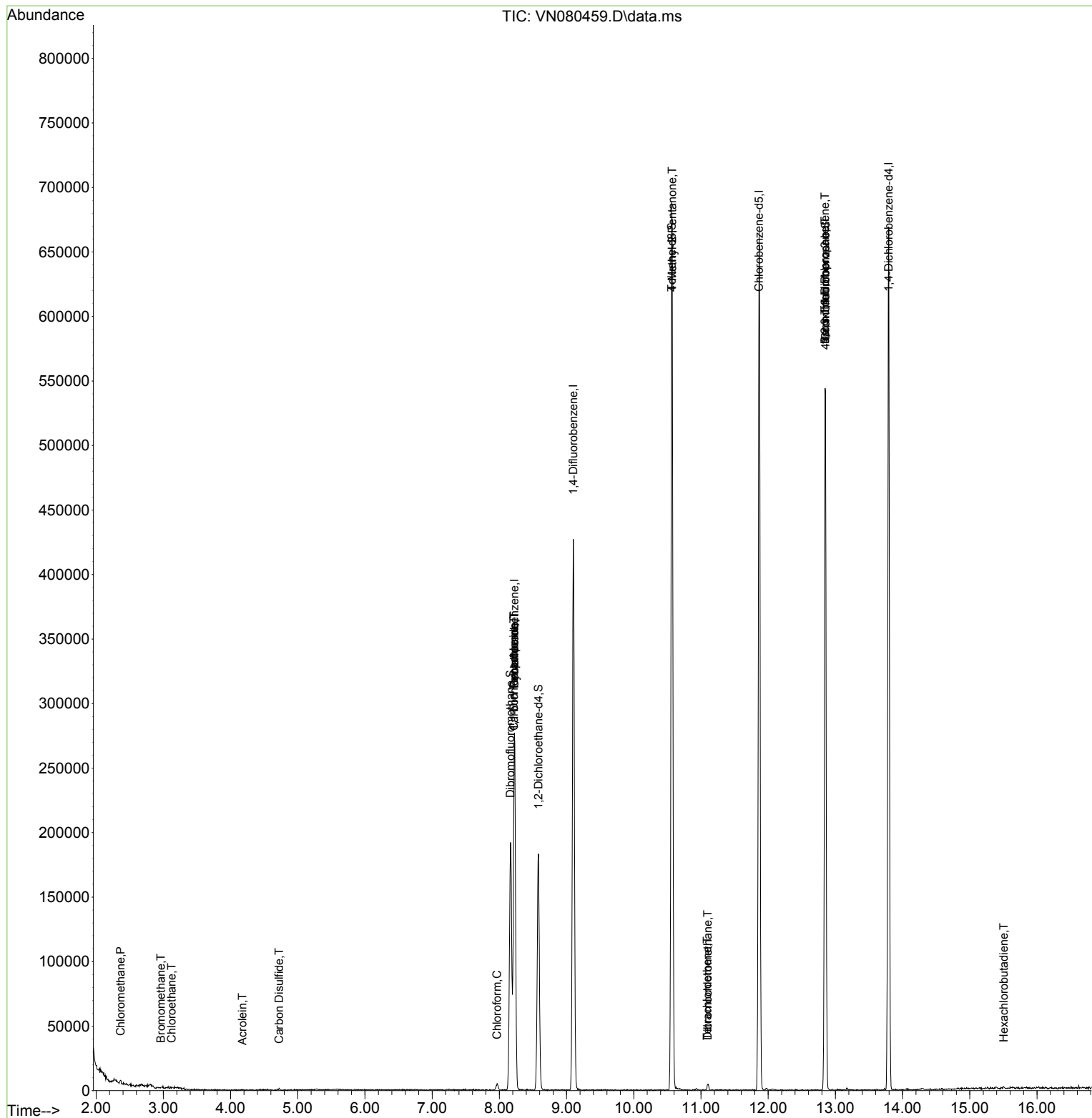
Internal Standards						
1) Pentafluorobenzene	8.224	168	196806	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	364434	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	388426	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	175264	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	162526	64.657	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 129.320%#		
35) Dibromofluoromethane	8.165	113	137138	59.350	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 118.700%		
50) Toluene-d8	10.565	98	490221	56.886	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 113.780%#		
62) 4-Bromofluorobenzene	12.853	95	195758	59.823	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 119.640%		
Target Compounds						
						Qvalue
3) Chloromethane	2.365	50	3447	0.915	ug/l #	80
5) Bromomethane	2.965	94	199	0.206	ug/l #	65
6) Chloroethane	3.124	64	1121	0.812	ug/l #	43
13) Acrolein	4.177	56	129	0.398	ug/l #	60
17) Carbon Disulfide	4.724	76	1306	0.218	ug/l #	75
30) Chloroform	7.965	83	5127	1.172	ug/l	90
31) Cyclohexane	8.224	56	4336	1.268	ug/l #	7
36) 1,1-Dichloropropene	8.218	75	15153	4.011	ug/l #	51
38) Carbon Tetrachloride	8.218	117	21991	4.871	ug/l #	15
51) 4-Methyl-2-Pentanone	10.570	43	1970	0.841	ug/l #	1
60) Dibromochloromethane	11.100	129	1124	0.382	ug/l #	11
64) Tetrachloroethene	11.094	164	1387	0.462	ug/l #	59
71) Bromoform	12.847	173	740	0.299	ug/l #	28
76) 1,2,3-Trichloropropane	12.847	75	106978	30.596	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	106978	80.333	ug/l #	15
94) Hexachlorobutadiene	15.505	225	604	0.330	ug/l #	40

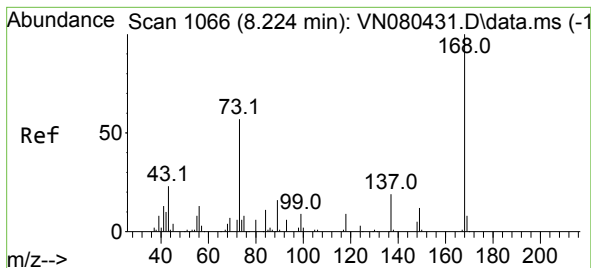
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN080459.D

Acq: 13 Dec 2023 14:06

Instrument :

MSVOA_N

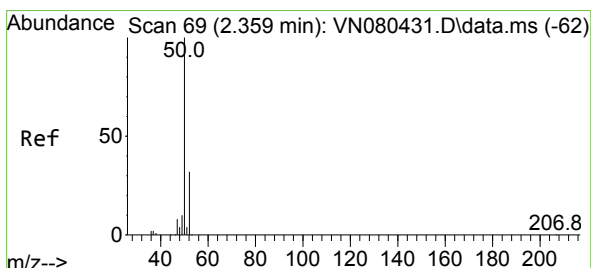
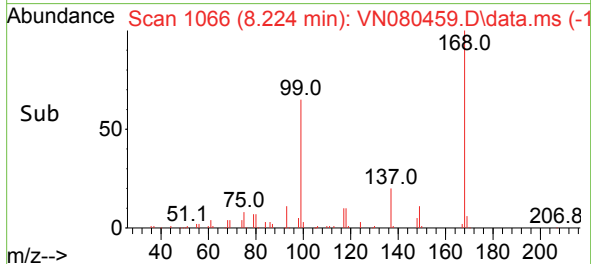
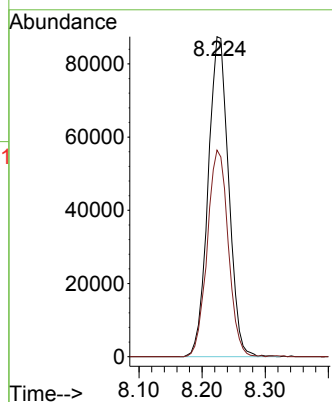
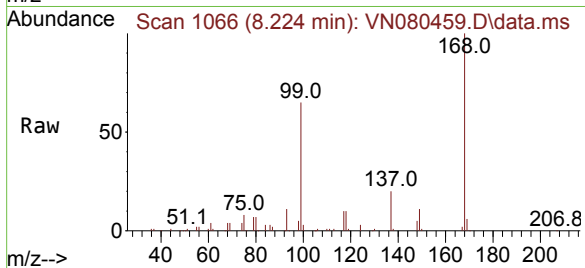
ClientSampleId :

Tgt Ion:168 Resp: 196806

Ion Ratio Lower Upper

168 100

99 64.6 53.0 79.6



#3

Chloromethane

Concen: 0.915 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN080459.D

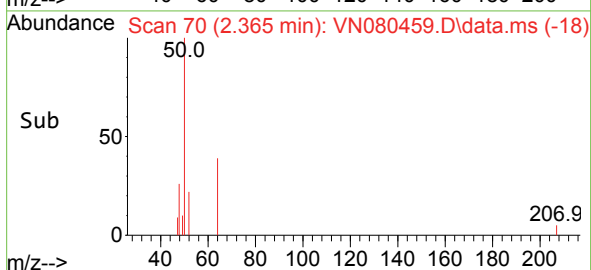
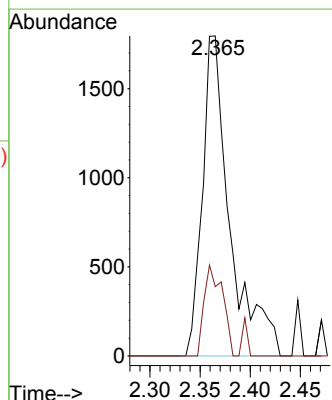
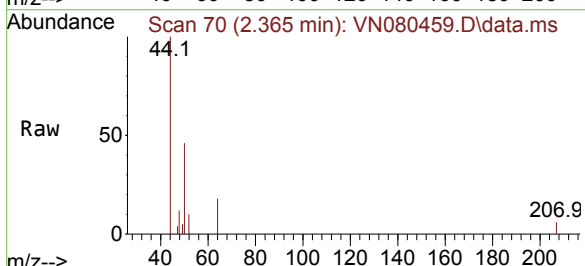
Acq: 13 Dec 2023 14:06

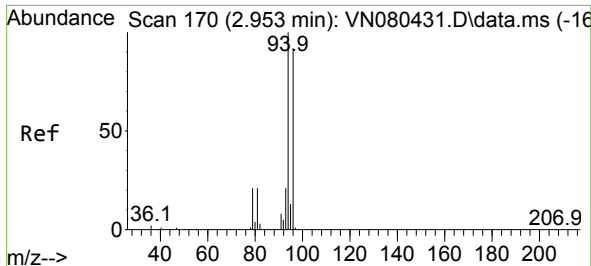
Tgt Ion: 50 Resp: 3447

Ion Ratio Lower Upper

50 100

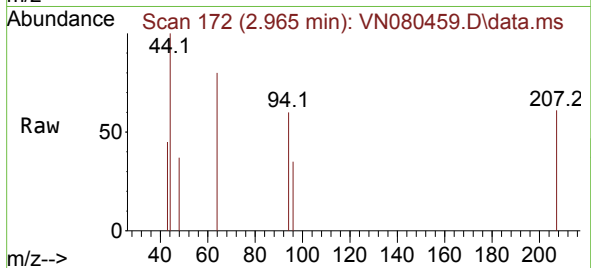
52 21.7 26.5 39.7#



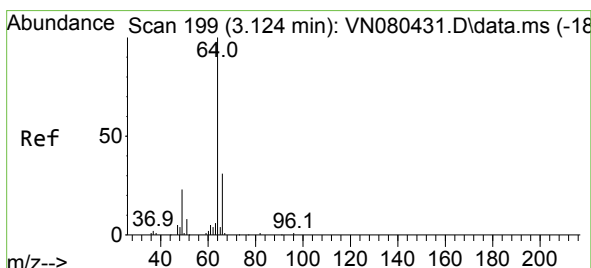
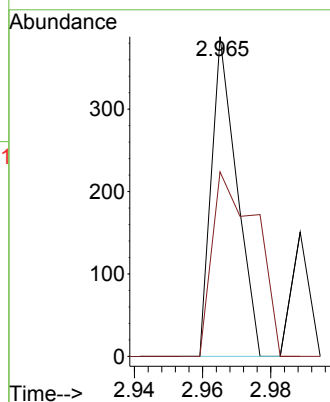
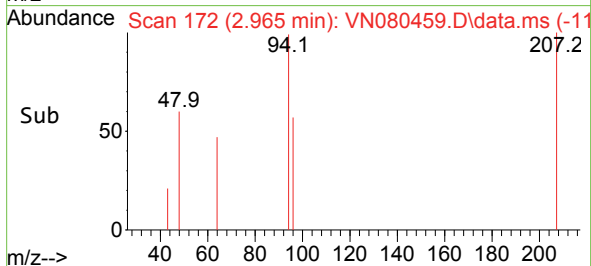


#5
Bromomethane
Concen: 0.206 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN080459.D
Acq: 13 Dec 2023 14:06

Instrument :
MSVOA_N
ClientSampleId :

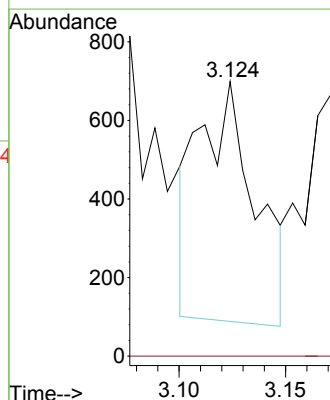
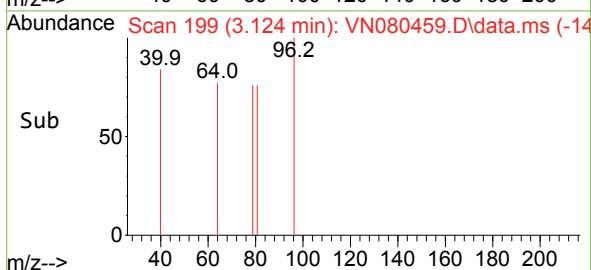
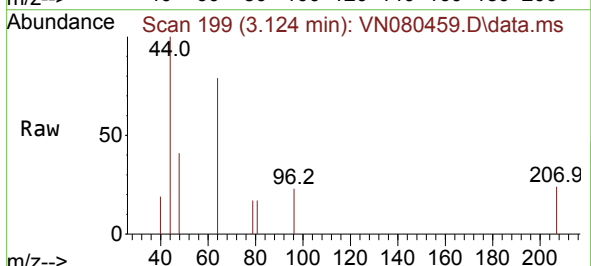


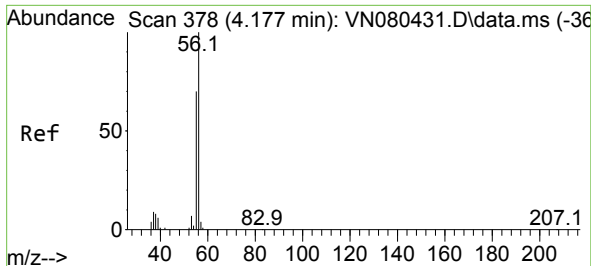
Tgt Ion: 94 Resp: 199
Ion Ratio Lower Upper
94 100
96 57.7 73.1 109.7#



#6
Chloroethane
Concen: 0.812 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.000 min
Lab File: VN080459.D
Acq: 13 Dec 2023 14:06

Tgt Ion: 64 Resp: 1121
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

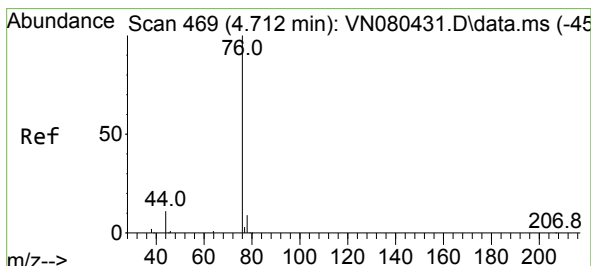
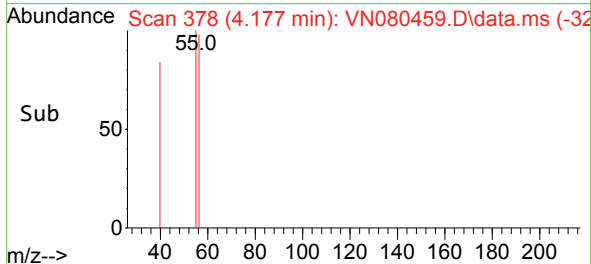
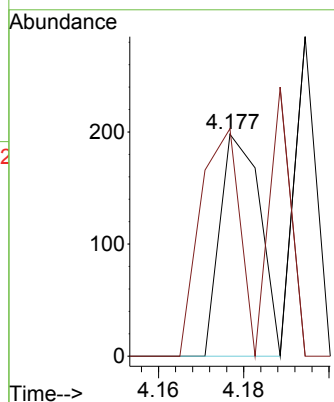
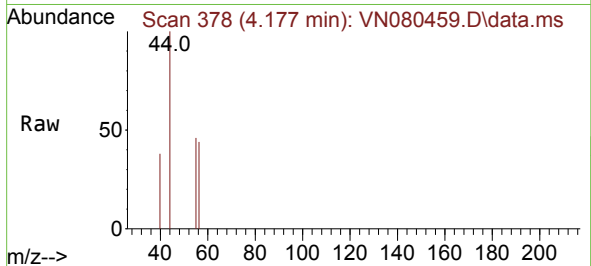




#13
Acrolein
Concen: 0.398 ug/l
RT: 4.177 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN080459.D
Acq: 13 Dec 2023 14:06

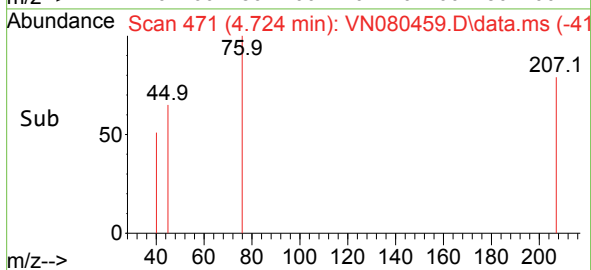
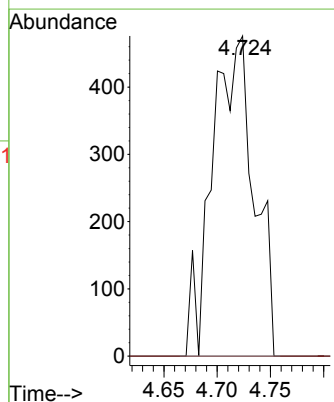
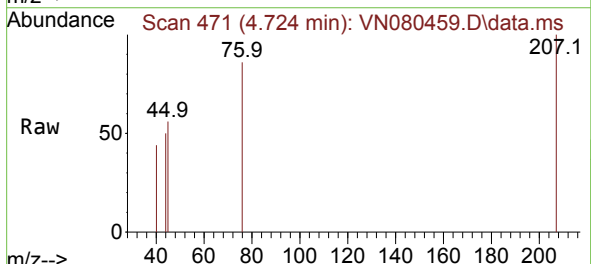
Instrument :
MSVOA_N
ClientSampleId :

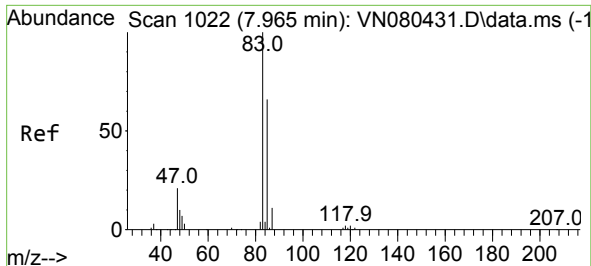
Tgt Ion: 56 Resp: 129
Ion Ratio Lower Upper
56 100
55 100.8 54.5 81.7#



#17
Carbon Disulfide
Concen: 0.218 ug/l
RT: 4.724 min Scan# 471
Delta R.T. 0.012 min
Lab File: VN080459.D
Acq: 13 Dec 2023 14:06

Tgt Ion: 76 Resp: 1306
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

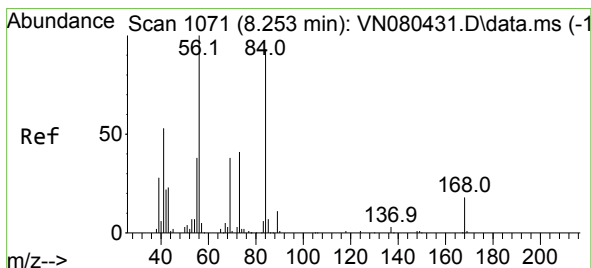
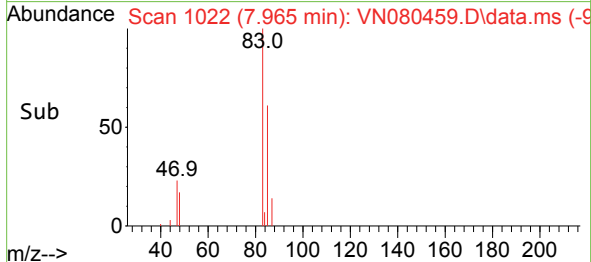
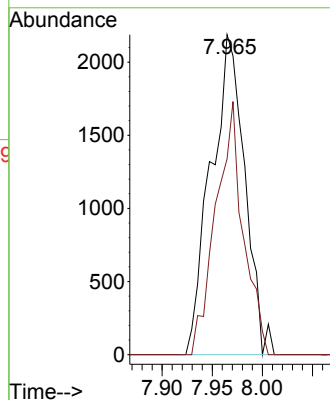
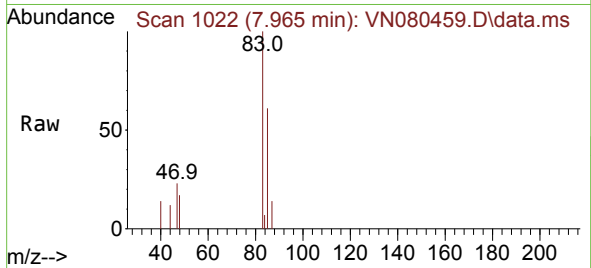




#30
Chloroform
Concen: 1.172 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN080459.D
Acq: 13 Dec 2023 14:06

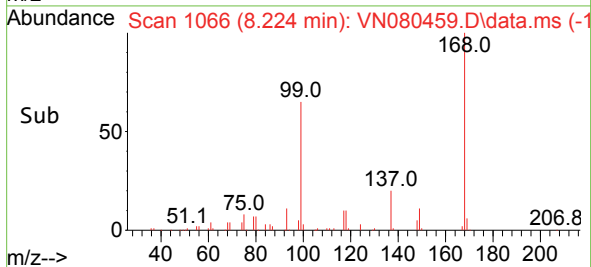
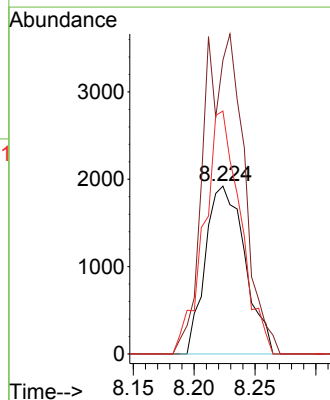
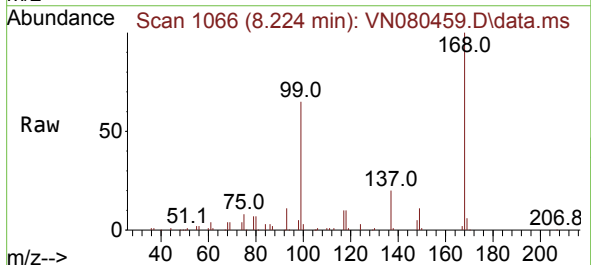
Instrument :
MSVOA_N
ClientSampleId :

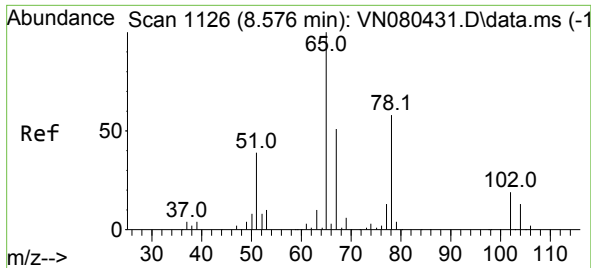
Tgt Ion: 83 Resp: 5127
Ion Ratio Lower Upper
83 100
85 61.2 55.4 83.0



#31
Cyclohexane
Concen: 1.268 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN080459.D
Acq: 13 Dec 2023 14:06

Tgt Ion: 56 Resp: 4336
Ion Ratio Lower Upper
56 100
69 175.1 26.8 40.2#
84 144.8 81.8 122.6#

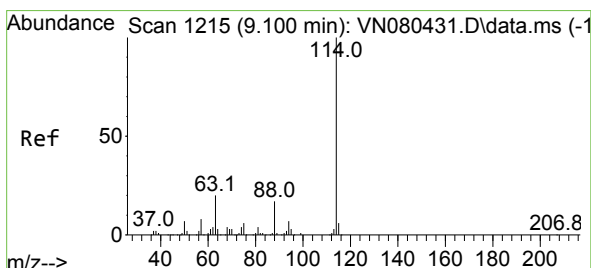
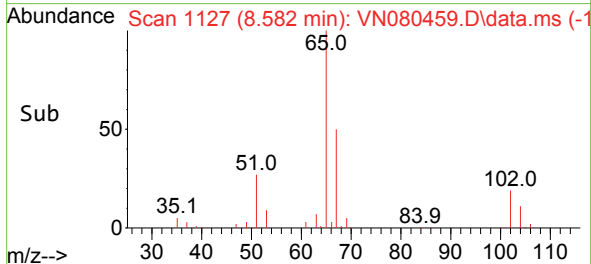
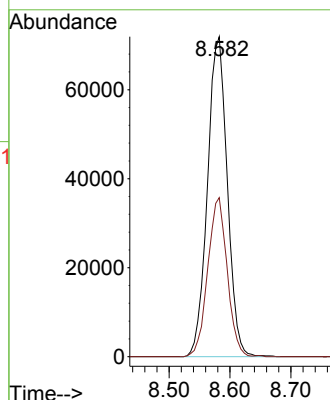
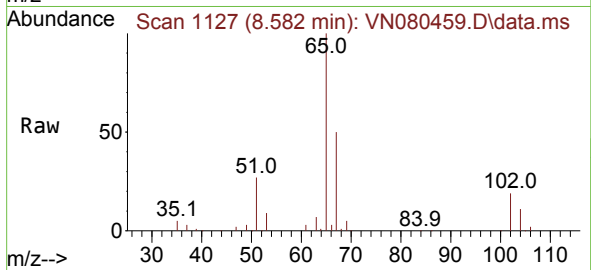




#33
 1,2-Dichloroethane-d4
 Concen: 64.657 ug/l
 RT: 8.582 min Scan# 1126
 Delta R.T. 0.006 min
 Lab File: VN080459.D
 Acq: 13 Dec 2023 14:06

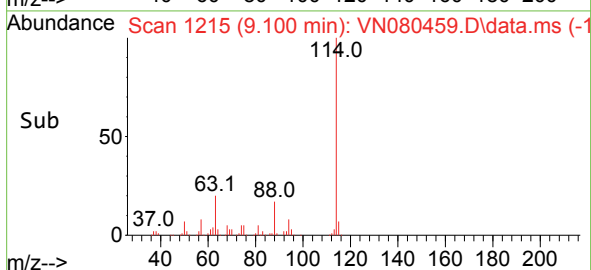
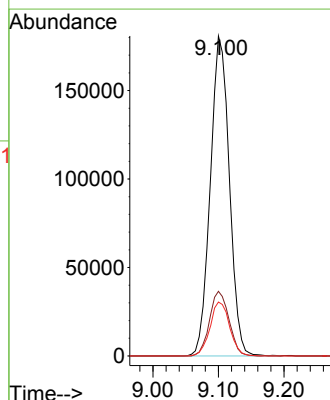
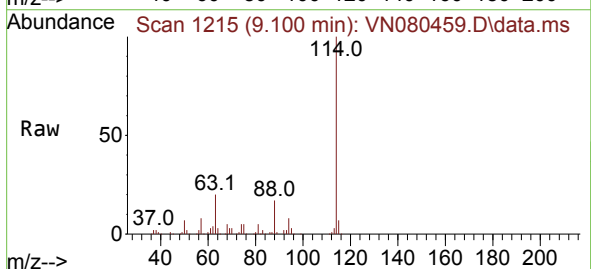
Instrument :
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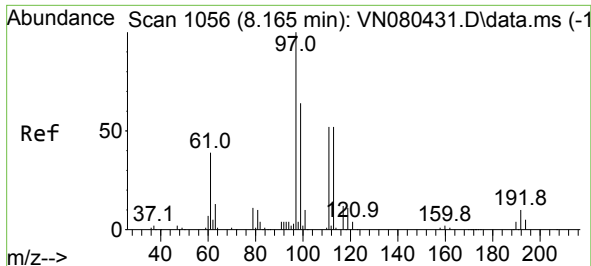
Tgt Ion: 65 Resp: 162526
 Ion Ratio Lower Upper
 65 100
 67 48.7 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. 0.000 min
 Lab File: VN080459.D
 Acq: 13 Dec 2023 14:06

Tgt Ion: 114 Resp: 364434
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 36.4
 88 16.9 0.0 30.6

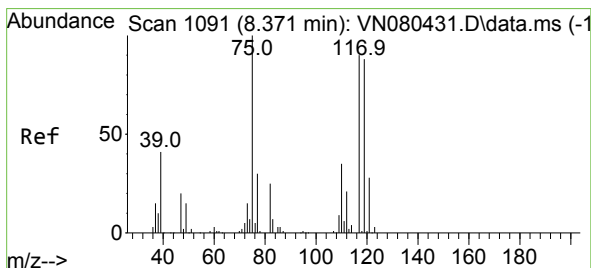
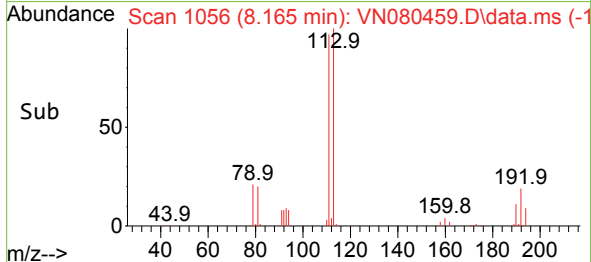
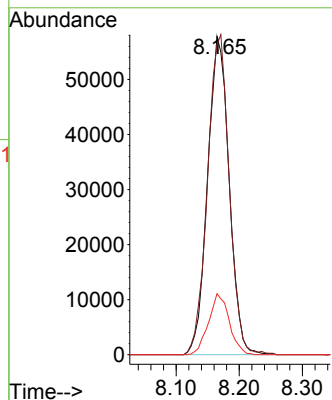
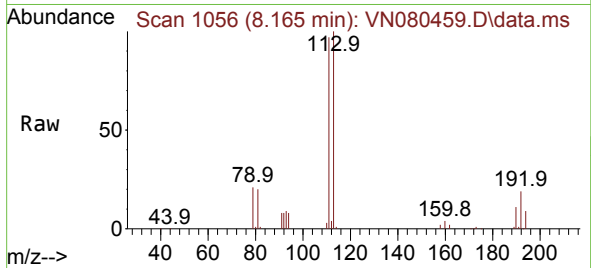




#35
Dibromofluoromethane
Concen: 59.350 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN080459.D
Acq: 13 Dec 2023 14:06

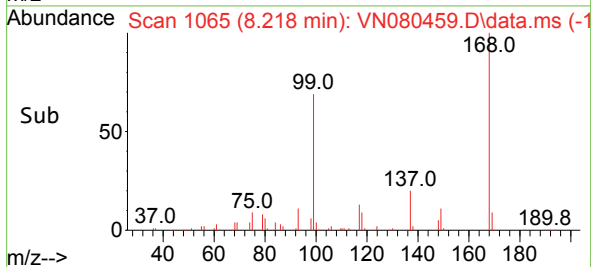
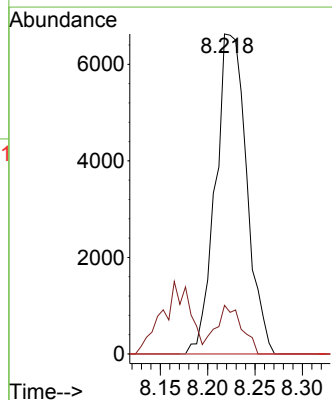
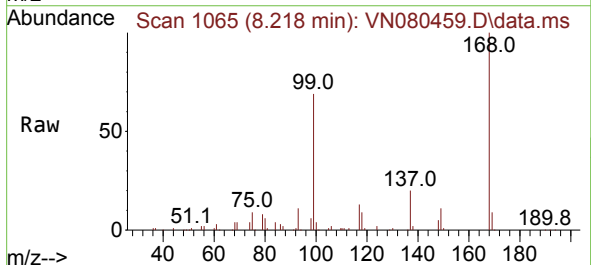
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ClientSampleId :

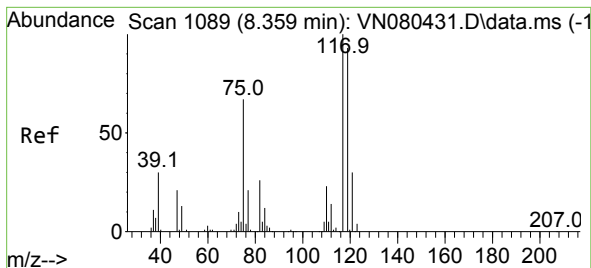
Tgt Ion:113 Resp: 137138
Ion Ratio Lower Upper
113 100
111 101.4 82.6 123.8
192 18.4 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.011 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN080459.D
Acq: 13 Dec 2023 14:06

Tgt Ion: 75 Resp: 15153
Ion Ratio Lower Upper
75 100
110 12.8 19.1 57.3#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 4.871 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.141 min

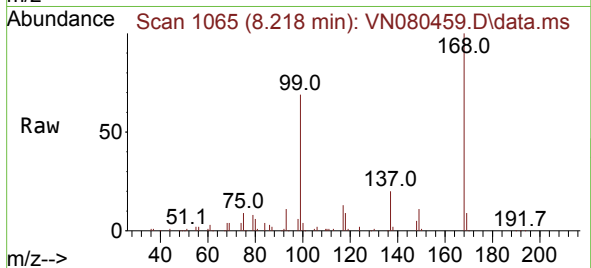
Lab File: VN080459.D

Acq: 13 Dec 2023 14:06

Instrument :

MSVOA_N

ClientSampleId :



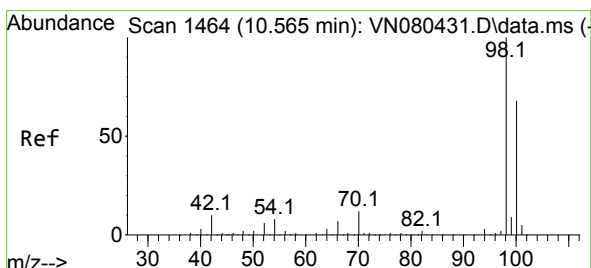
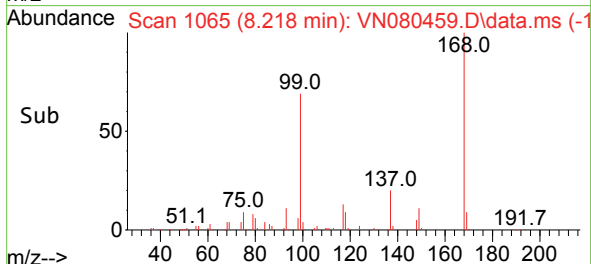
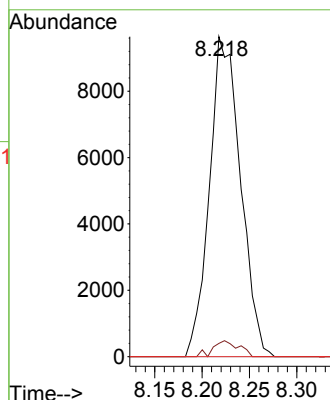
Tgt Ion:117 Resp: 21991

Ion Ratio Lower Upper

117 100

119 4.2 77.3 115.9#

121 0.0 23.3 34.9#



#50

Toluene-d8

Concen: 56.886 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN080459.D

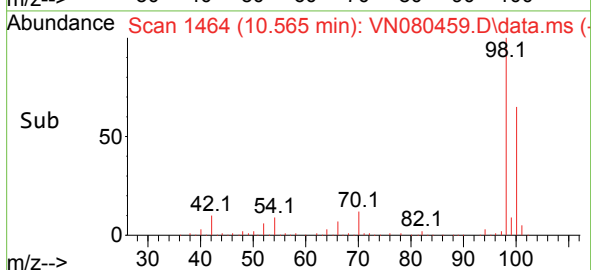
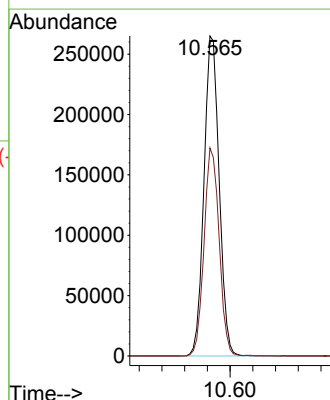
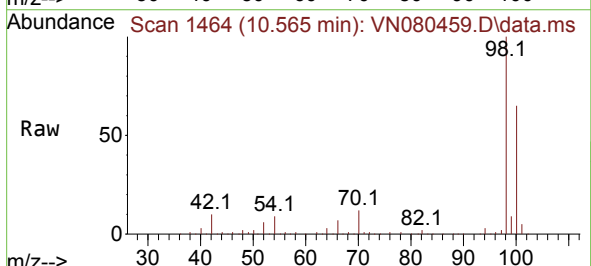
Acq: 13 Dec 2023 14:06

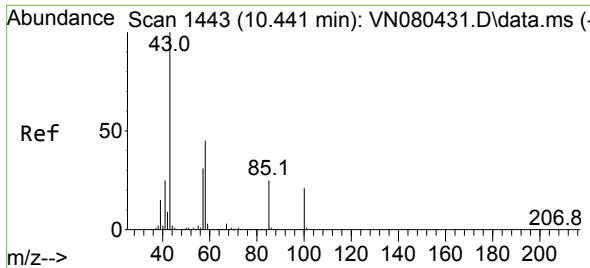
Tgt Ion: 98 Resp: 490221

Ion Ratio Lower Upper

98 100

100 64.6 52.0 78.0

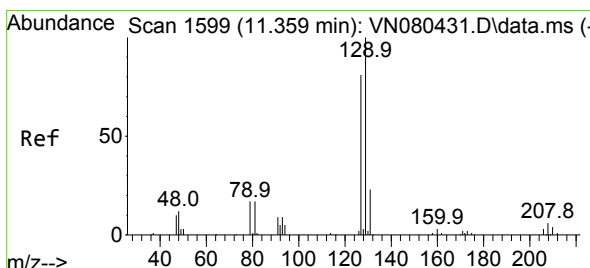
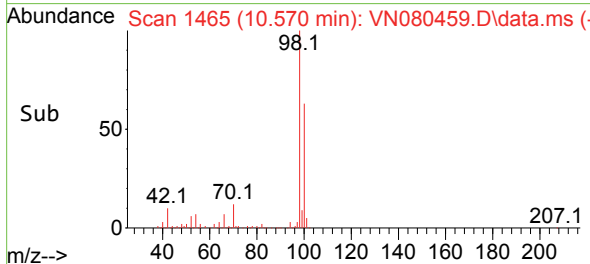
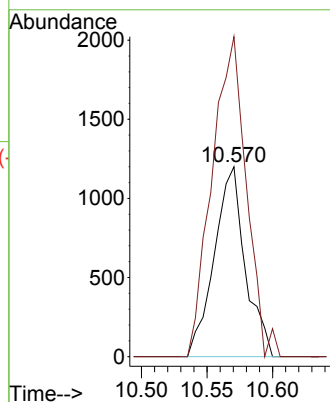
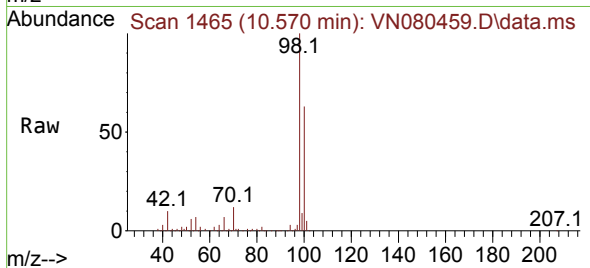




#51
4-Methyl-2-Pentanone
Concen: 0.841 ug/l
RT: 10.570 min Scan# 1443
Delta R.T. 0.129 min
Lab File: VN080459.D
Acq: 13 Dec 2023 14:06

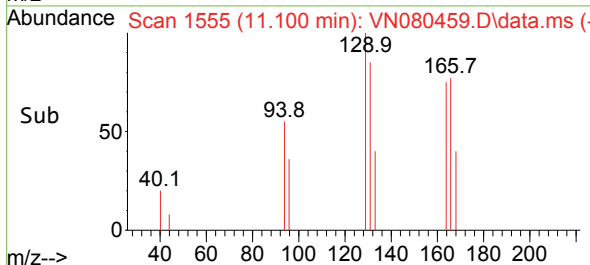
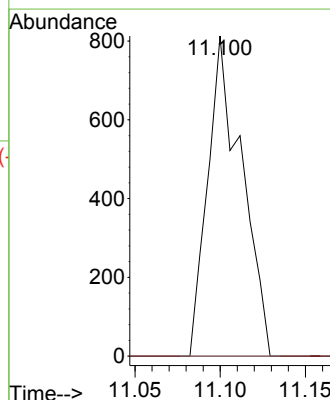
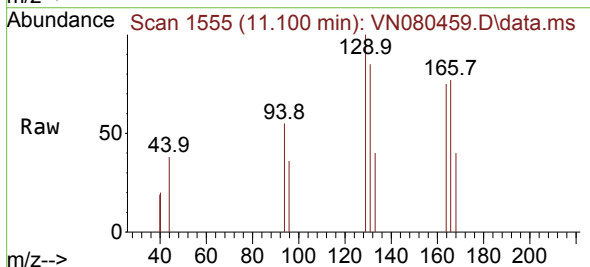
Instrument :
MSVOA_N
ClientSampleId :

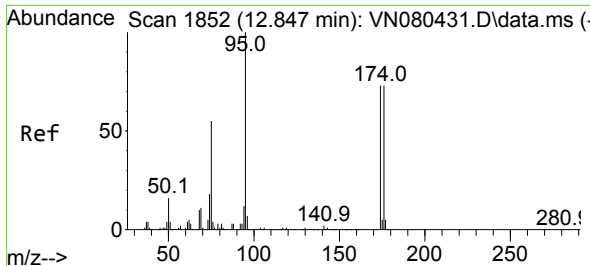
Tgt Ion: 43 Resp: 1970
Ion Ratio Lower Upper
43 100
58 186.5 36.6 54.8#



#60
Dibromochloromethane
Concen: 0.382 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.259 min
Lab File: VN080459.D
Acq: 13 Dec 2023 14:06

Tgt Ion: 129 Resp: 1124
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

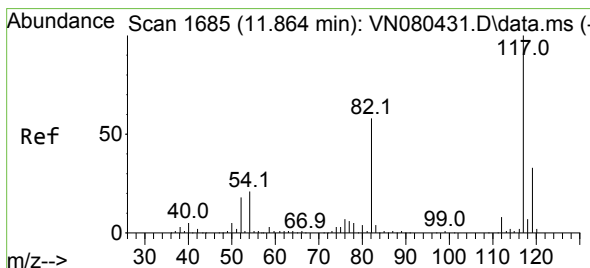
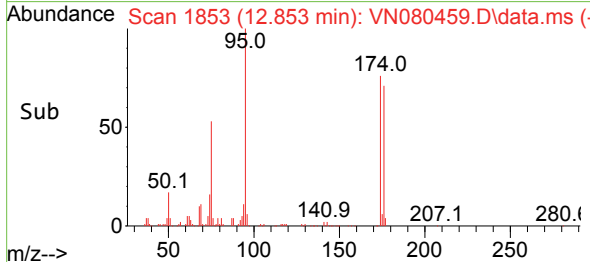
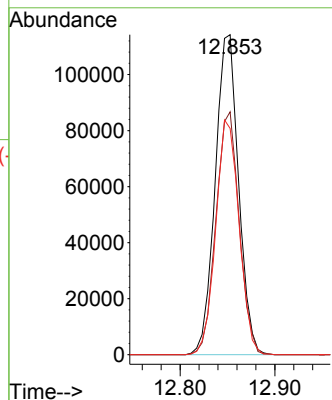
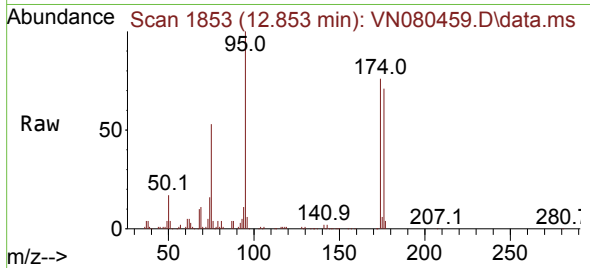




#62
4-Bromofluorobenzene
Concen: 59.823 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080459.D
Acq: 13 Dec 2023 14:06

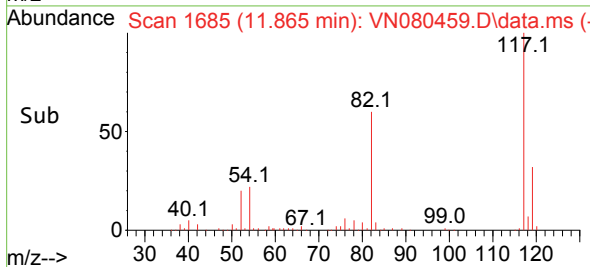
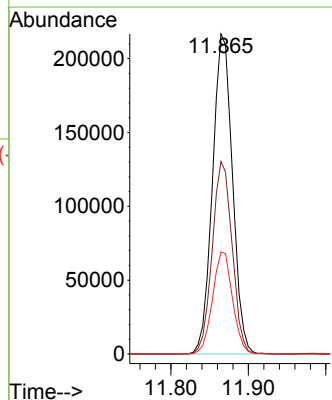
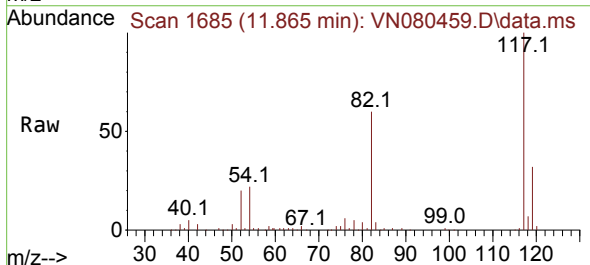
Instrument :
MSVOA_N
ClientSampleId :

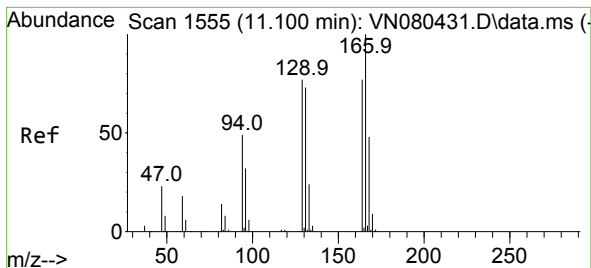
Tgt Ion: 95 Resp: 195758
Ion Ratio Lower Upper
95 100
174 75.6 0.0 143.8
176 73.2 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN080459.D
Acq: 13 Dec 2023 14:06

Tgt Ion: 117 Resp: 388426
Ion Ratio Lower Upper
117 100
82 60.1 44.0 66.0
119 31.8 25.6 38.4





#64

Tetrachloroethene

Concen: 0.462 ug/l

RT: 11.094 min Scan# 1

Delta R.T. -0.006 min

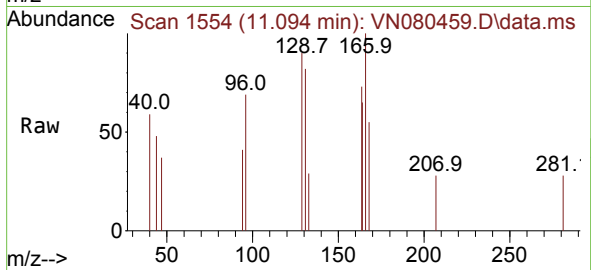
Lab File: VN080459.D

Acq: 13 Dec 2023 14:06

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:164 Resp: 1387

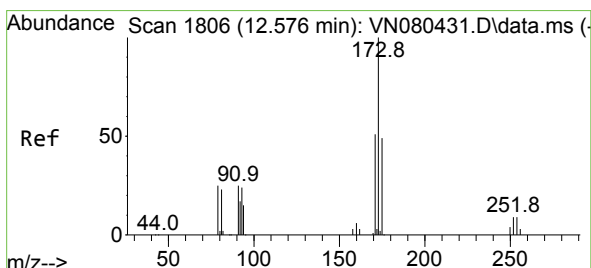
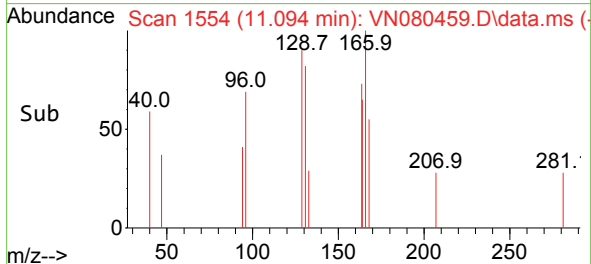
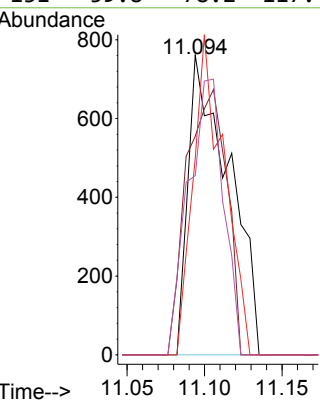
Ion Ratio Lower Upper

164 100

166 72.9 101.4 152.0#

129 65.6 82.4 123.6#

131 59.8 78.2 117.4#



#71

Bromoform

Concen: 0.299 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.271 min

Lab File: VN080459.D

Acq: 13 Dec 2023 14:06

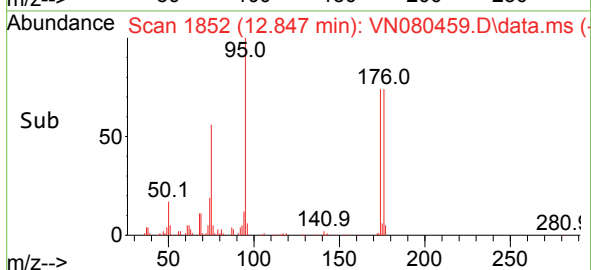
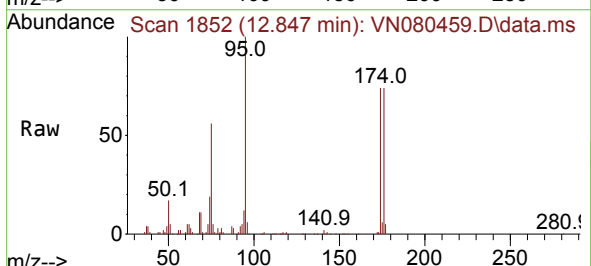
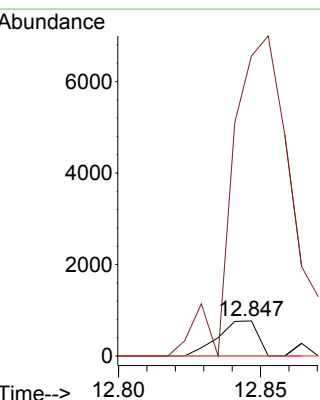
Tgt Ion:173 Resp: 740

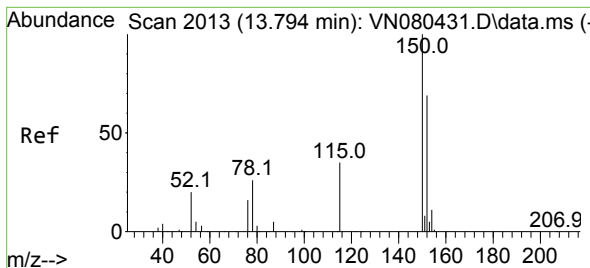
Ion Ratio Lower Upper

173 100

175 0.0 24.3 73.0#

254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. 0.000 min

Lab File: VN080459.D

Acq: 13 Dec 2023 14:06

Instrument :

MSVOA_N

ClientSampleId :

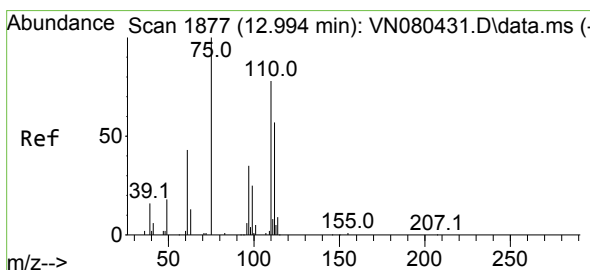
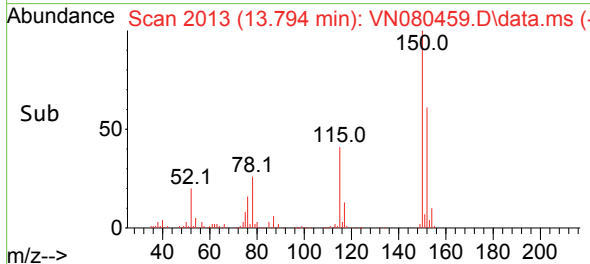
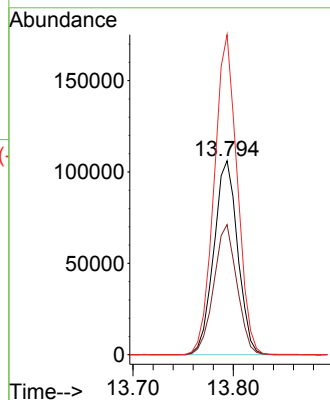
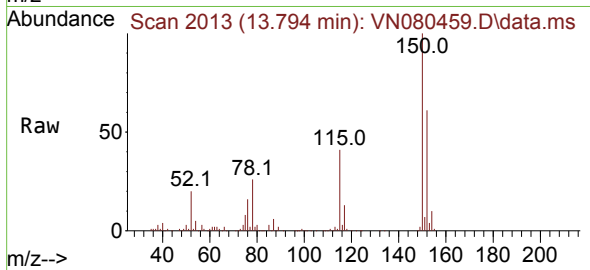
Tgt Ion:152 Resp: 175264

Ion Ratio Lower Upper

152 100

115 65.2 32.3 96.8

150 160.0 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 30.596 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN080459.D

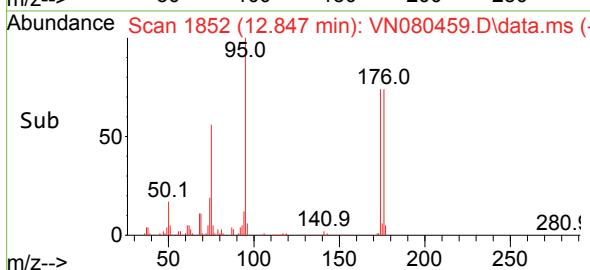
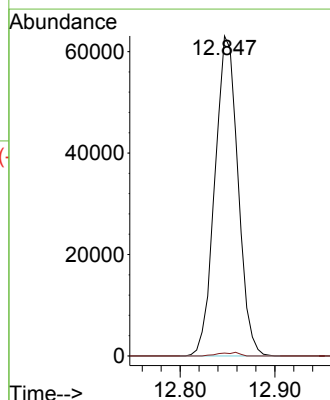
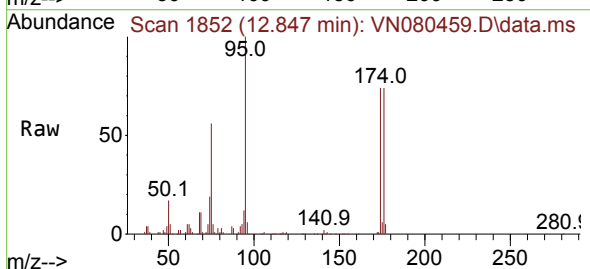
Acq: 13 Dec 2023 14:06

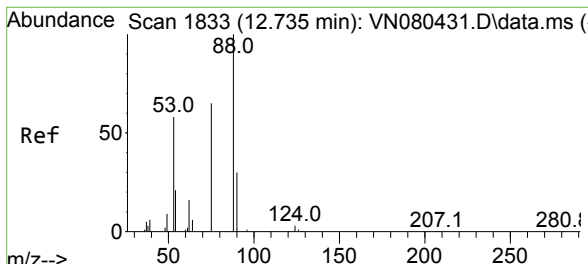
Tgt Ion: 75 Resp: 106978

Ion Ratio Lower Upper

75 100

77 1.0 84.5 253.5#

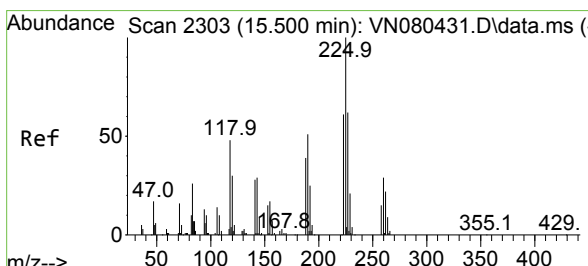
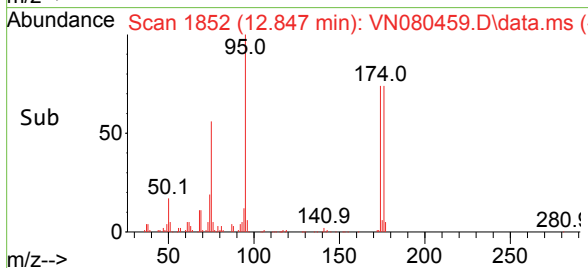
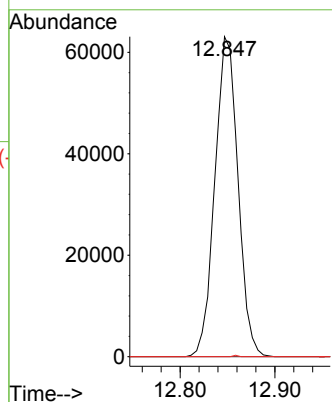
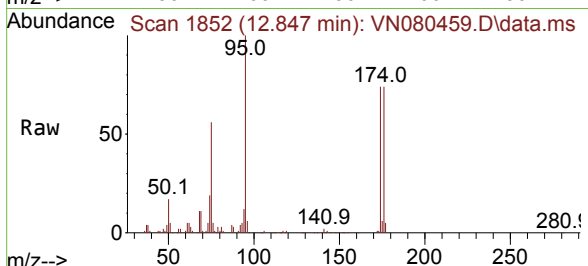




#81
trans-1,4-Dichloro-2-butene
Concen: 80.333 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN080459.D
Acq: 13 Dec 2023 14:06

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 106978
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.1 38.8 58.2#



#94
Hexachlorobutadiene
Concen: 0.330 ug/l
RT: 15.505 min Scan# 2304
Delta R.T. 0.006 min
Lab File: VN080459.D
Acq: 13 Dec 2023 14:06

Tgt Ion: 225 Resp: 604
Ion Ratio Lower Upper
225 100
223 10.1 31.3 93.8#
227 22.5 31.9 95.9#

