

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110223\
 Data File : VN079801.D
 Acq On : 02 Nov 2023 16:46
 Operator : JC\MD
 Sample : 05224-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 03 04:03:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:49:08 2023
 Response via : Initial Calibration

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

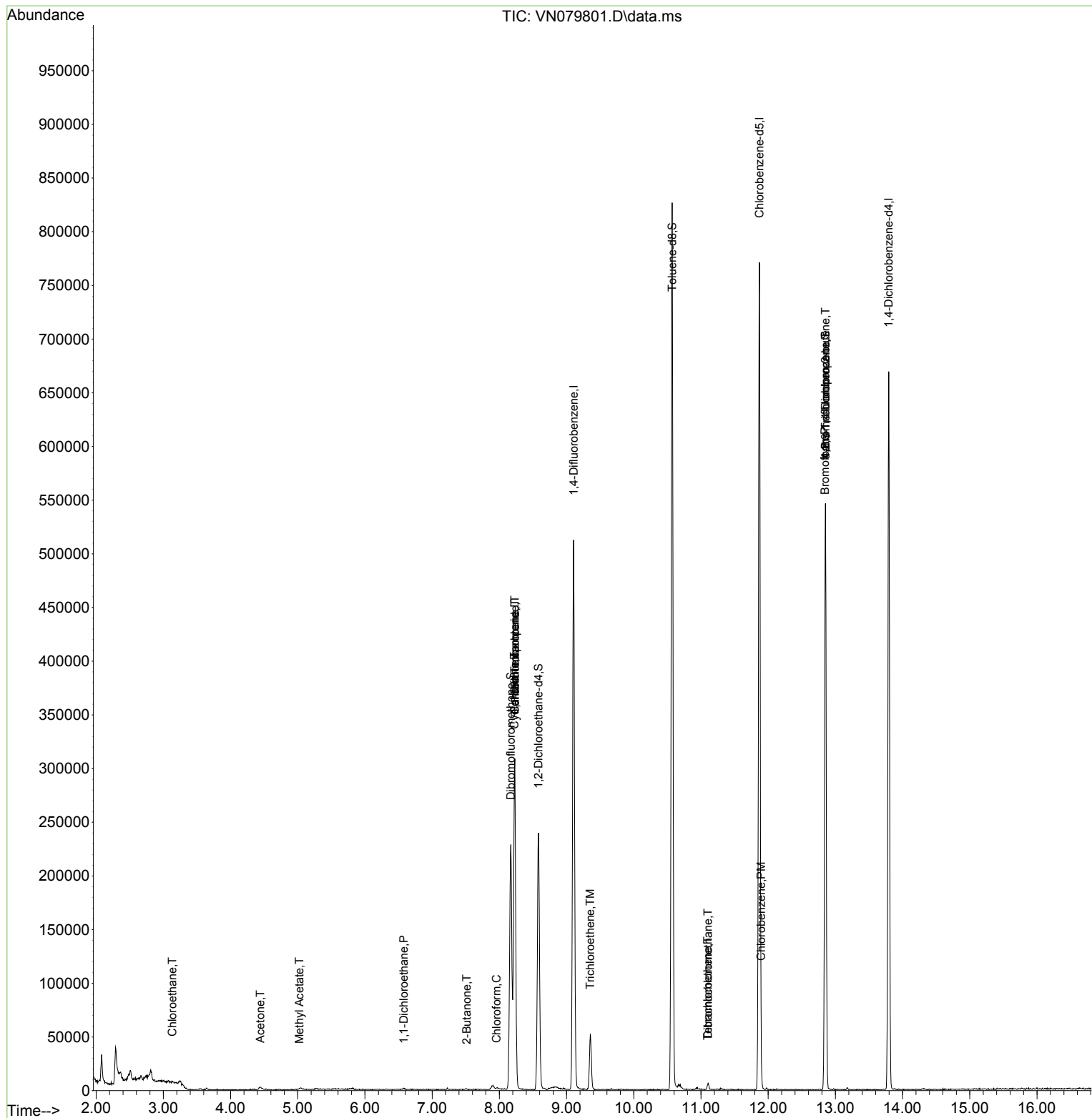
Internal Standards						
1) Pentafluorobenzene	8.230	168	206631	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	420564	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	427434	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	167924	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	191871	60.948	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 121.900%			
35) Dibromofluoromethane	8.171	113	161474	54.248	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.500%			
50) Toluene-d8	10.571	98	552997	50.466	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.940%			
62) 4-Bromofluorobenzene	12.853	95	180289	49.609	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.220%			
Target Compounds						
					Qvalue	
6) Chloroethane	3.136	64	842	0.327	ug/l #	43
16) Acetone	4.442	43	5571	5.038	ug/l #	79
18) Methyl Acetate	5.024	43	3216	0.608	ug/l #	42
24) 1,1-Dichloroethane	6.577	63	1873	0.390	ug/l #	81
25) 2-Butanone	7.512	43	692	0.427	ug/l #	37
30) Chloroform	7.959	83	1116	0.214	ug/l #	76
31) Cyclohexane	8.224	56	6134	1.475	ug/l #	25
36) 1,1-Dichloropropene	8.230	75	19392	4.563	ug/l #	48
38) Carbon Tetrachloride	8.230	117	22292	5.204	ug/l #	18
44) Trichloroethene	9.353	130	17685	5.599	ug/l	92
60) Dibromochloromethane	11.106	129	1480	0.456	ug/l #	11
64) Tetrachloroethene	11.100	164	1427	0.515	ug/l #	69
65) Chlorobenzene	11.894	112	3066	0.331	ug/l	94
71) Bromoform	12.847	173	786	0.331	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	101008	25.621	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	101008	69.709	ug/l #	15

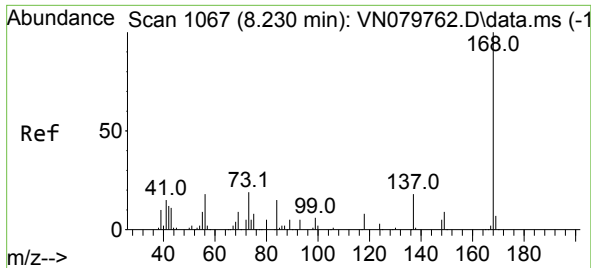
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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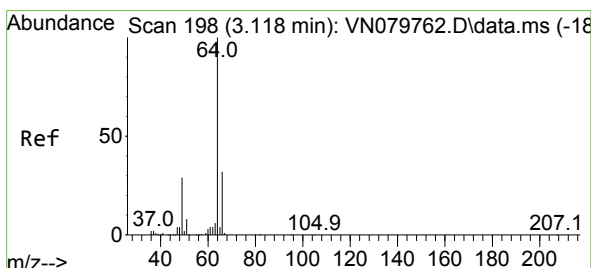
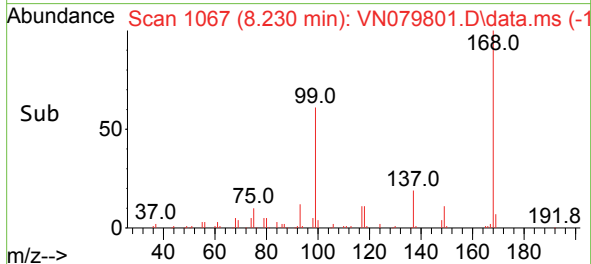
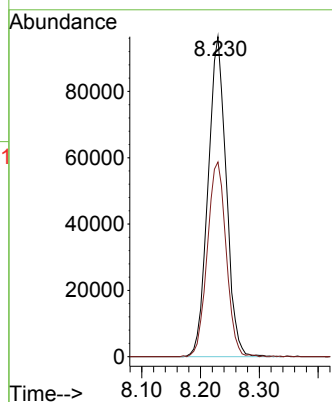
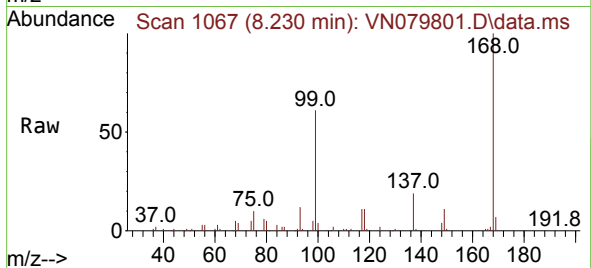




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. 0.001 min
Lab File: VN079801.D
Acq: 02 Nov 2023 16:46

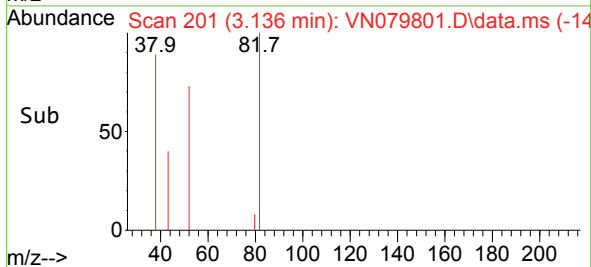
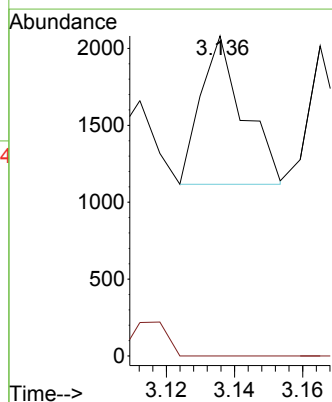
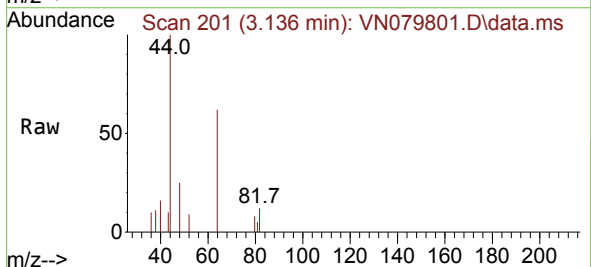
Instrument :
MSVOA_N
ClientSampleId :

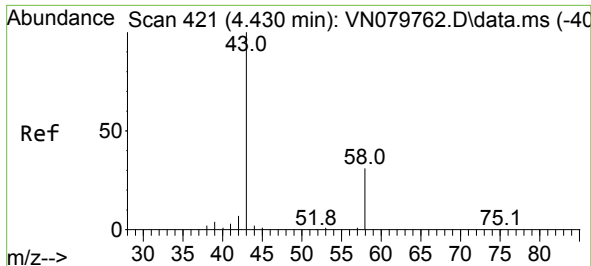
Tgt Ion:168 Resp: 206631
Ion Ratio Lower Upper
168 100
99 60.9 53.0 79.6



#6
Chloroethane
Concen: 0.327 ug/l
RT: 3.136 min Scan# 201
Delta R.T. 0.018 min
Lab File: VN079801.D
Acq: 02 Nov 2023 16:46

Tgt Ion: 64 Resp: 842
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

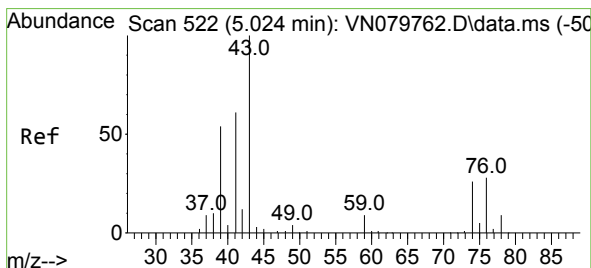
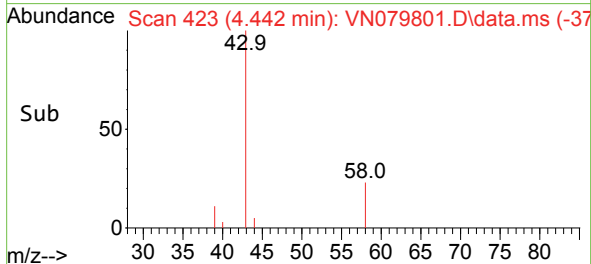
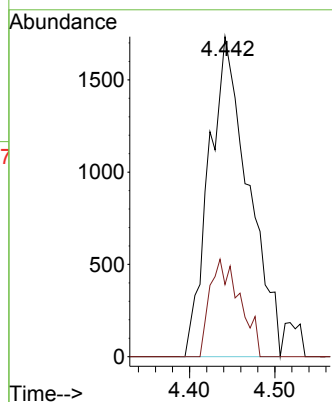
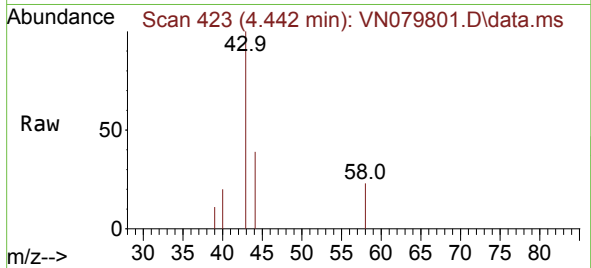




#16
Acetone
Concen: 5.038 ug/l
RT: 4.442 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN079801.D
Acq: 02 Nov 2023 16:46

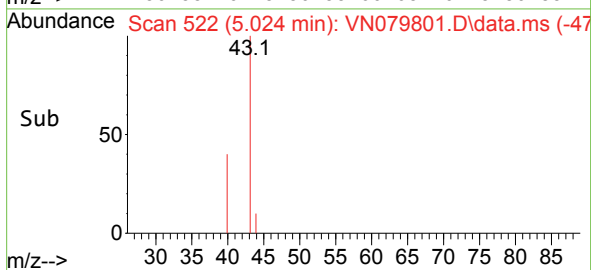
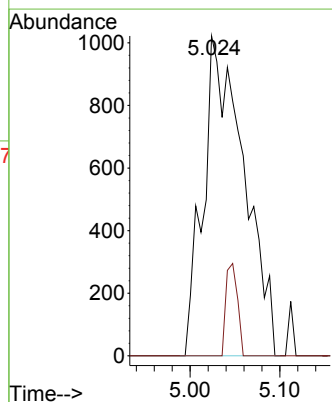
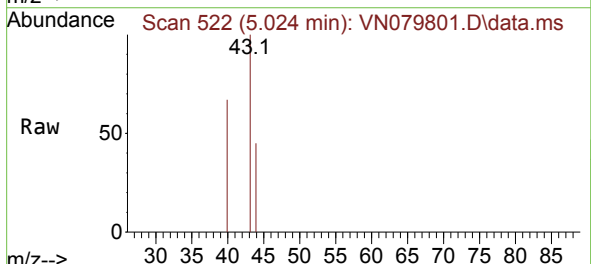
Instrument :
MSVOA_N
ClientSampleId :

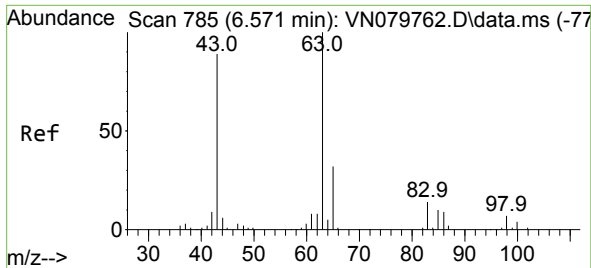
Tgt Ion: 43 Resp: 5571
Ion Ratio Lower Upper
43 100
58 22.5 28.0 42.0#



#18
Methyl Acetate
Concen: 0.608 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.000 min
Lab File: VN079801.D
Acq: 02 Nov 2023 16:46

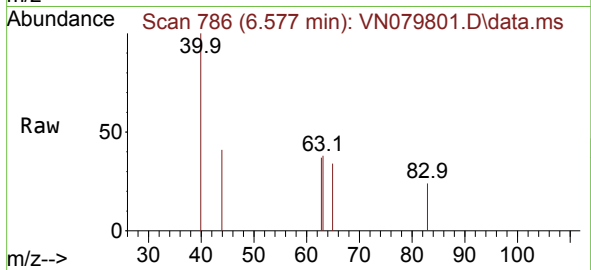
Tgt Ion: 43 Resp: 3216
Ion Ratio Lower Upper
43 100
74 0.0 26.2 39.4#



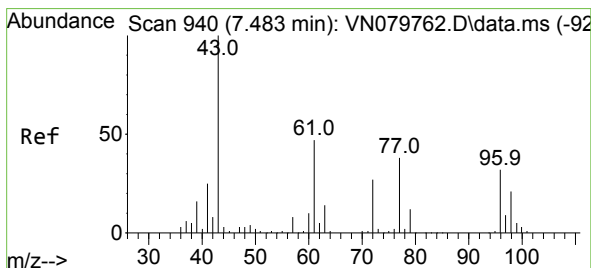
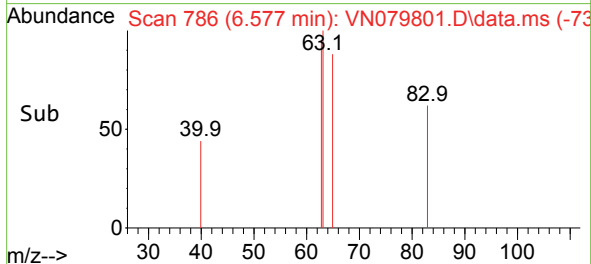
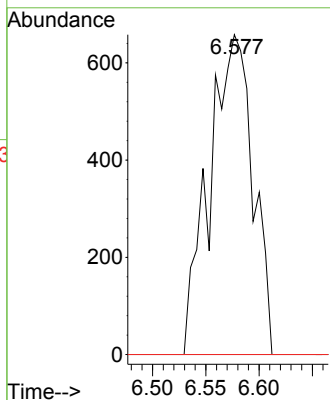


#24
1,1-Dichloroethane
Concen: 0.390 ug/l
RT: 6.577 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN079801.D
Acq: 02 Nov 2023 16:46

Instrument :
MSVOA_N
ClientSampleId :

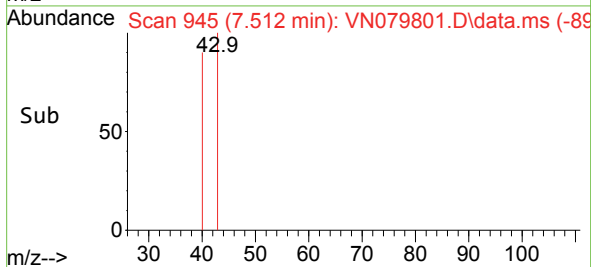
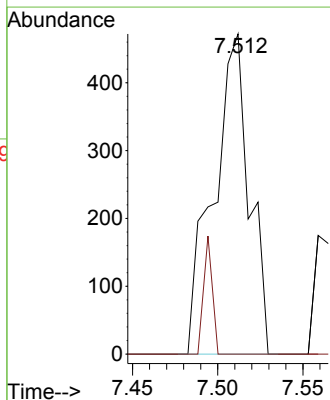
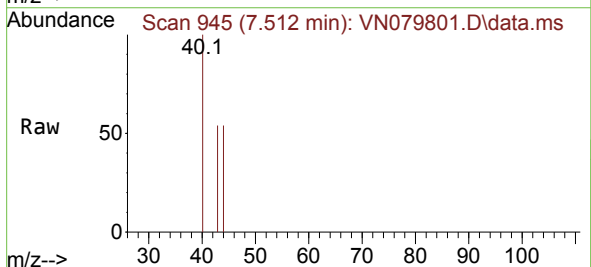


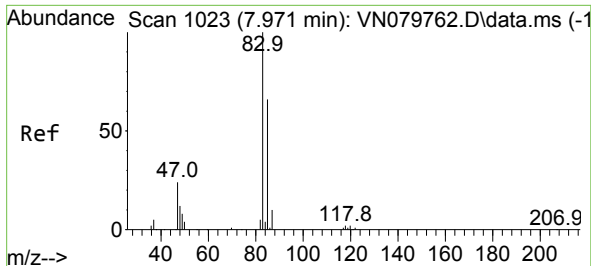
Tgt Ion: 63 Resp: 1873
Ion Ratio Lower Upper
63 100
98 0.0 3.9 11.7#
100 0.0 2.5 7.4#



#25
2-Butanone
Concen: 0.427 ug/l
RT: 7.512 min Scan# 945
Delta R.T. 0.024 min
Lab File: VN079801.D
Acq: 02 Nov 2023 16:46

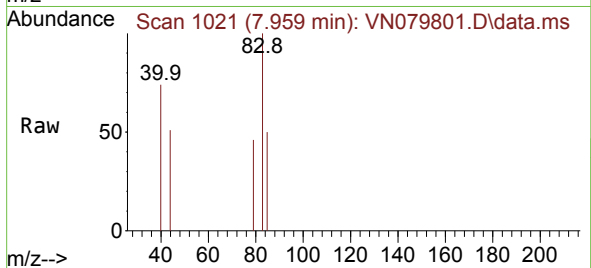
Tgt Ion: 43 Resp: 692
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#



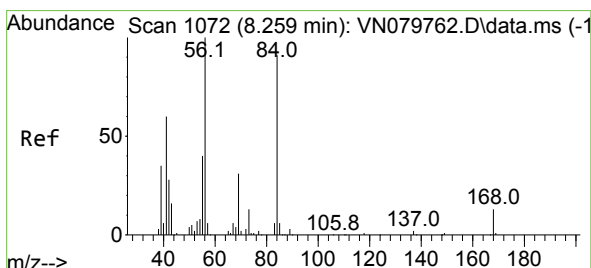
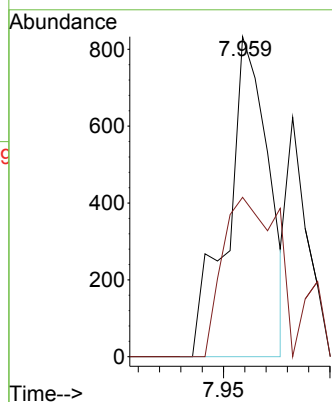
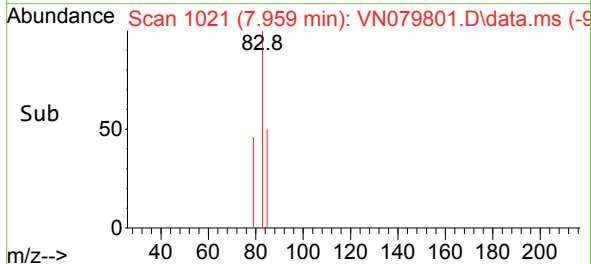


#30
Chloroform
Concen: 0.214 ug/l
RT: 7.959 min Scan# 1066
Delta R.T. -0.012 min
Lab File: VN079801.D
Acq: 02 Nov 2023 16:46

Instrument :
MSVOA_N
ClientSampleId :

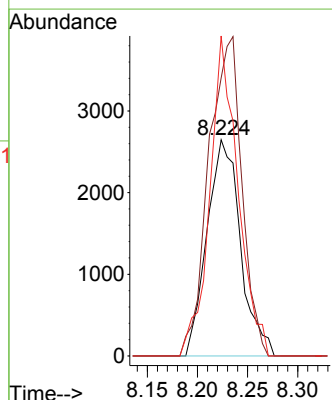
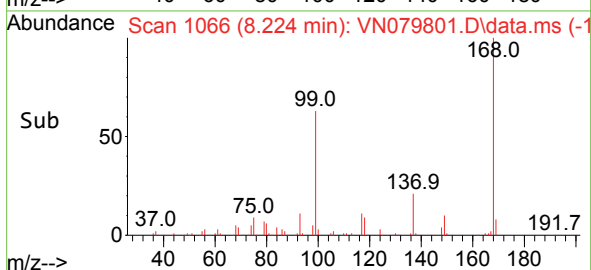
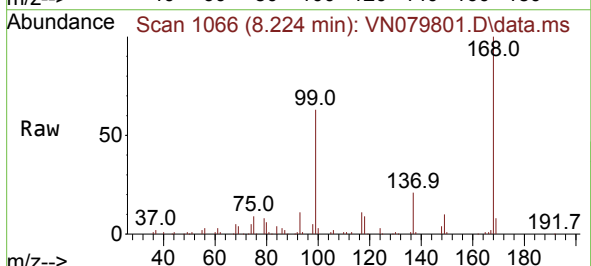


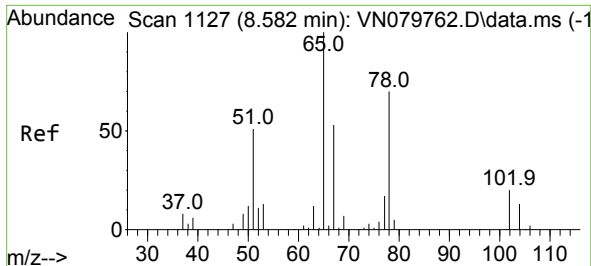
Tgt Ion: 83 Resp: 1116
Ion Ratio Lower Upper
83 100
85 49.8 55.4 83.0#



#31
Cyclohexane
Concen: 1.475 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN079801.D
Acq: 02 Nov 2023 16:46

Tgt Ion: 56 Resp: 6134
Ion Ratio Lower Upper
56 100
69 128.6 26.8 40.2#
84 148.1 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 60.948 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079801.D

Acq: 02 Nov 2023 16:46

Instrument :

MSVOA_N

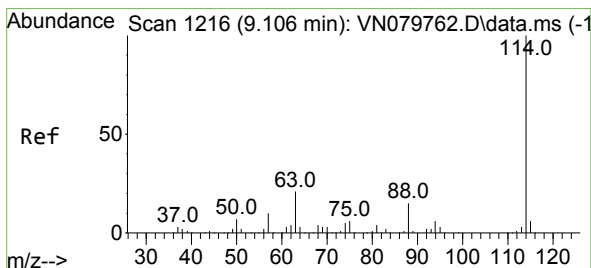
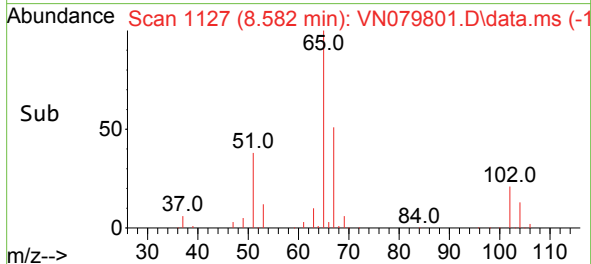
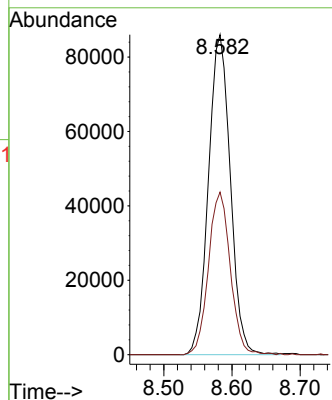
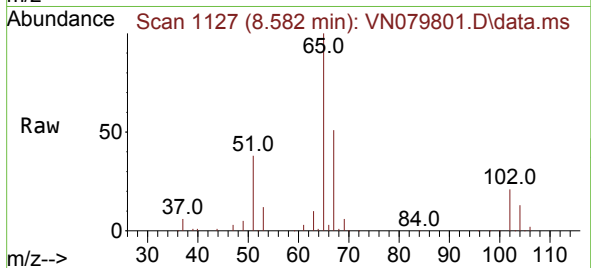
ClientSampleId :

Tgt Ion: 65 Resp: 191871

Ion Ratio Lower Upper

65 100

67 50.9 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN079801.D

Acq: 02 Nov 2023 16:46

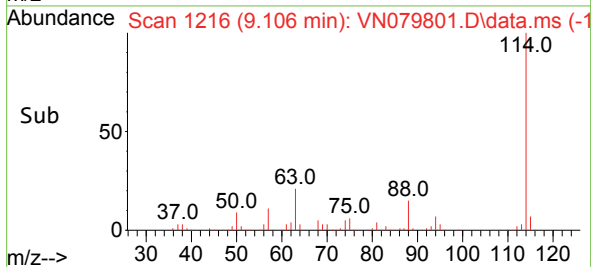
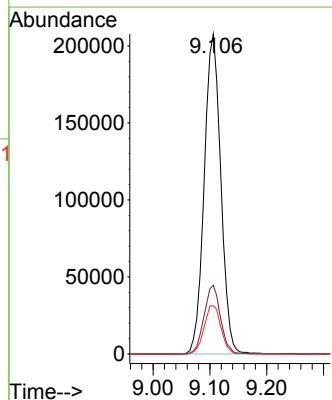
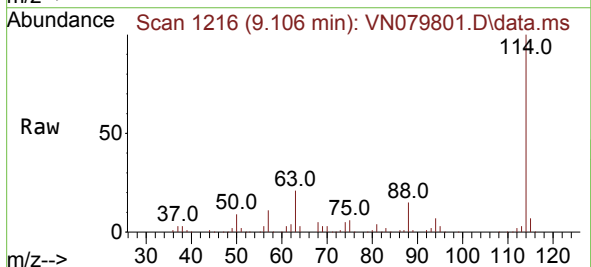
Tgt Ion: 114 Resp: 420564

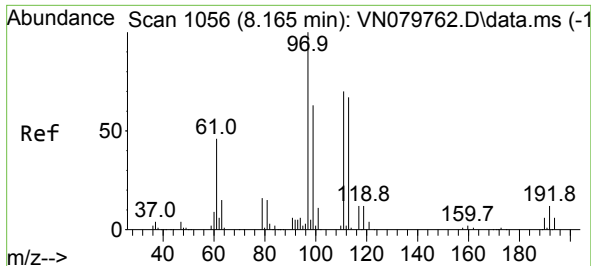
Ion Ratio Lower Upper

114 100

63 21.4 0.0 36.4

88 15.1 0.0 30.6

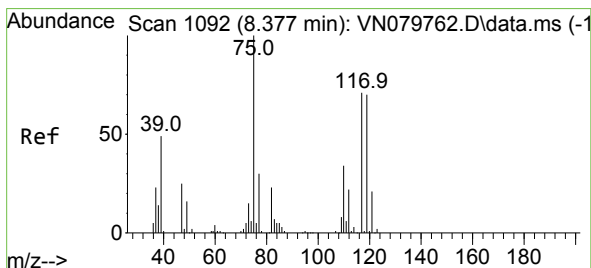
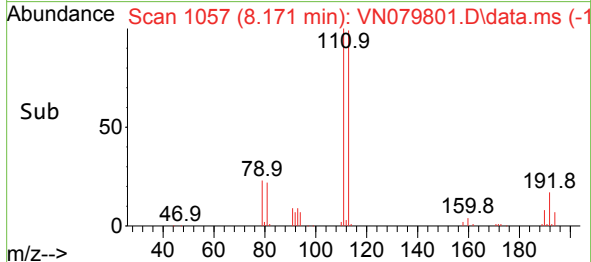
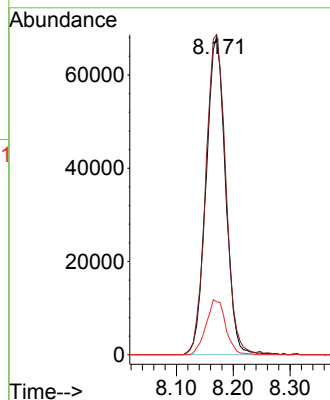
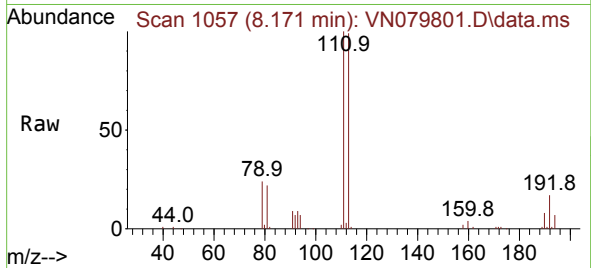




#35
Dibromofluoromethane
Concen: 54.248 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN079801.D
Acq: 02 Nov 2023 16:46

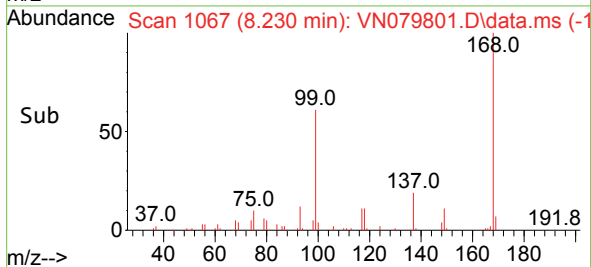
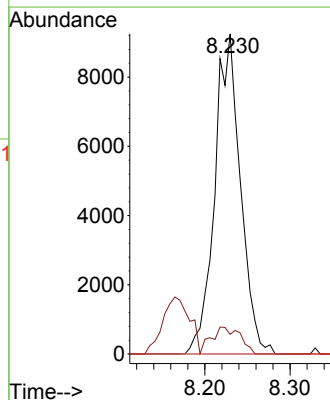
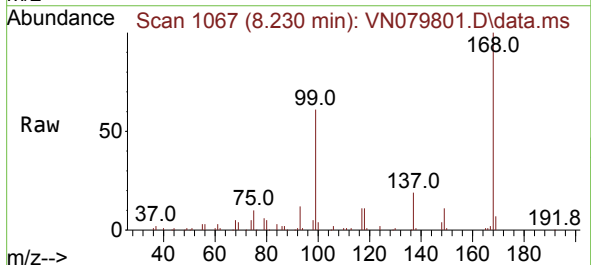
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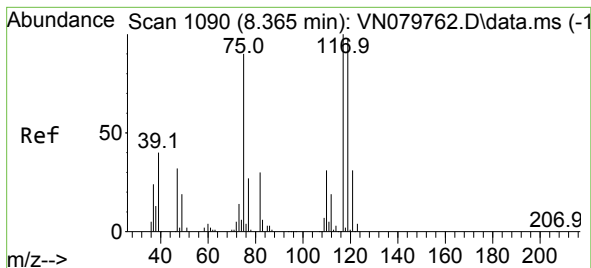
Tgt Ion:113 Resp: 161474
Ion Ratio Lower Upper
113 100
111 103.8 82.6 123.8
192 17.4 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.563 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN079801.D
Acq: 02 Nov 2023 16:46

Tgt Ion: 75 Resp: 19392
Ion Ratio Lower Upper
75 100
110 8.7 19.1 57.3#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.204 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.129 min

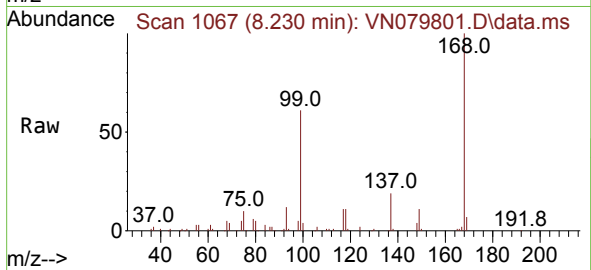
Lab File: VN079801.D

Acq: 02 Nov 2023 16:46

Instrument :

MSVOA_N

ClientSampleId :



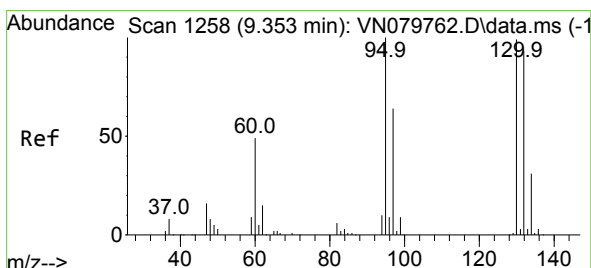
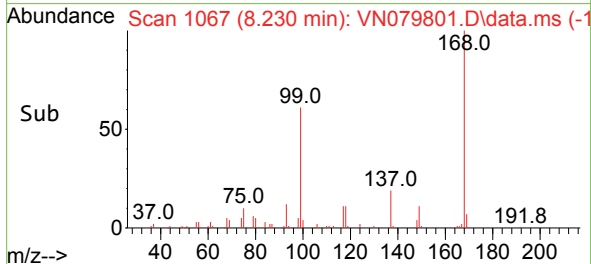
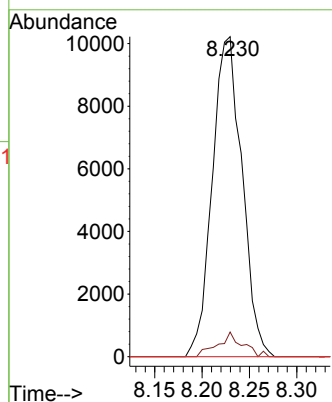
Tgt Ion:117 Resp: 22292

Ion Ratio Lower Upper

117 100

119 7.7 77.3 115.9#

121 0.0 23.3 34.9#



#44

Trichloroethene

Concen: 5.599 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VN079801.D

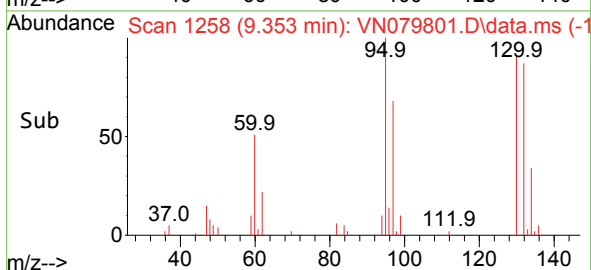
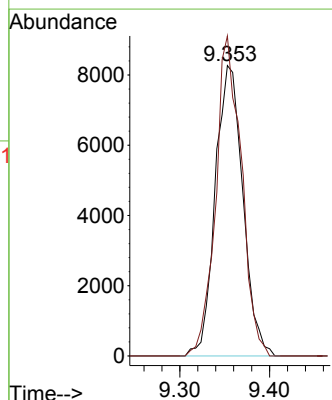
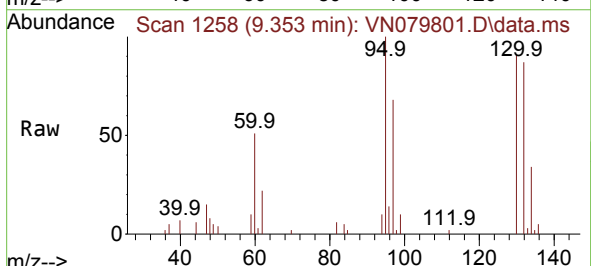
Acq: 02 Nov 2023 16:46

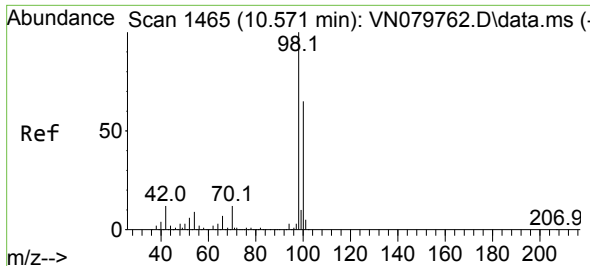
Tgt Ion:130 Resp: 17685

Ion Ratio Lower Upper

130 100

95 110.2 0.0 204.6

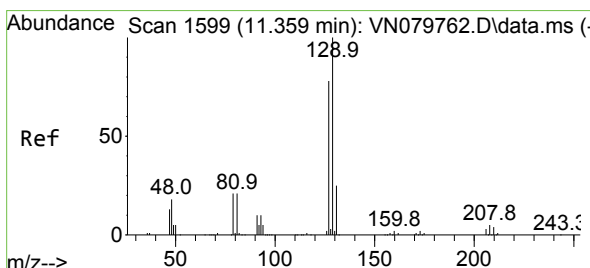
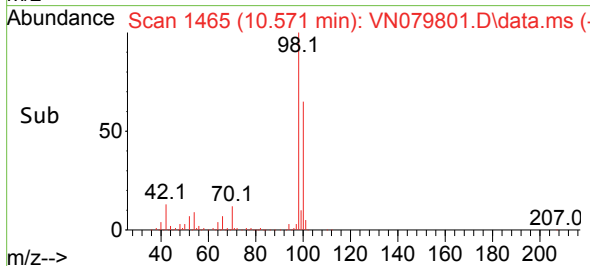
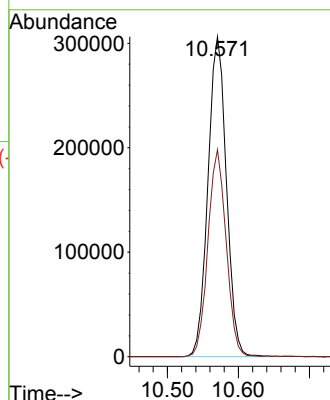
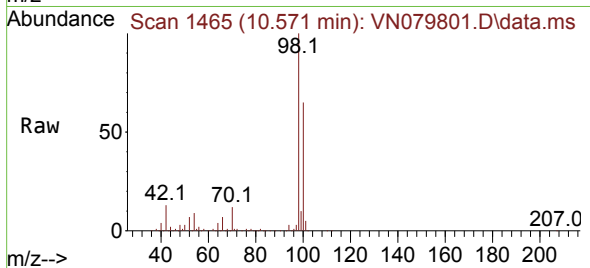




#50
Toluene-d8
Concen: 50.466 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079801.D
Acq: 02 Nov 2023 16:46

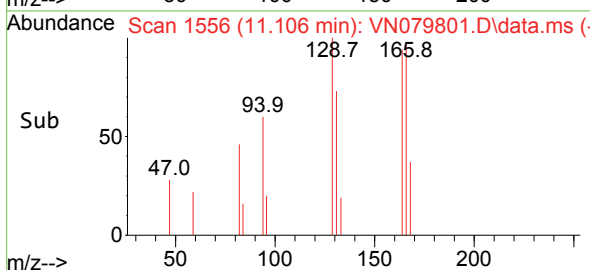
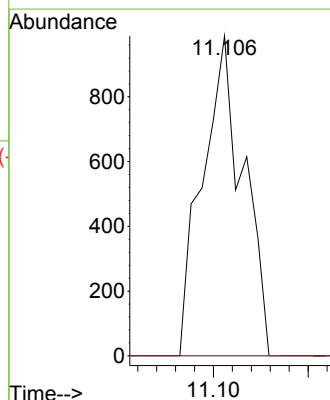
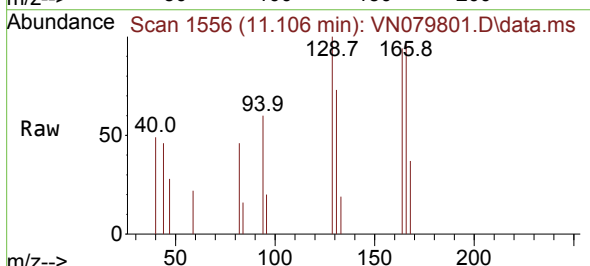
Instrument :
MSVOA_N
ClientSampleId :

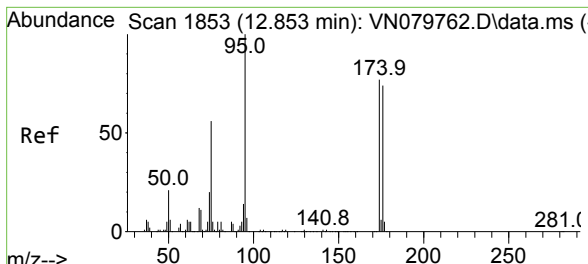
Tgt Ion: 98 Resp: 552997
Ion Ratio Lower Upper
98 100
100 63.9 52.0 78.0



#60
Dibromochloromethane
Concen: 0.456 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.259 min
Lab File: VN079801.D
Acq: 02 Nov 2023 16:46

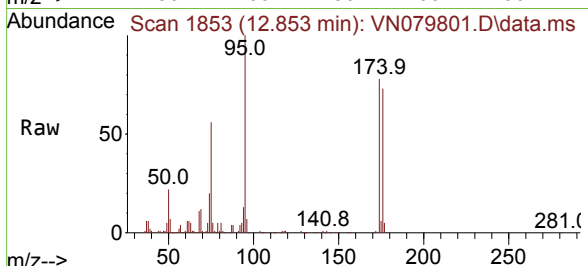
Tgt Ion: 129 Resp: 1480
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



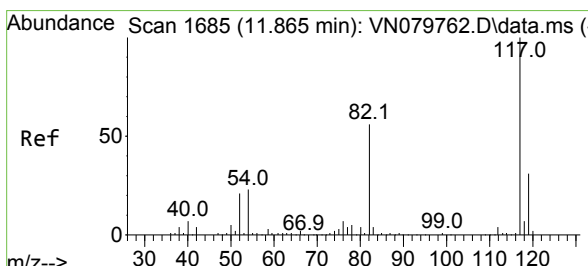
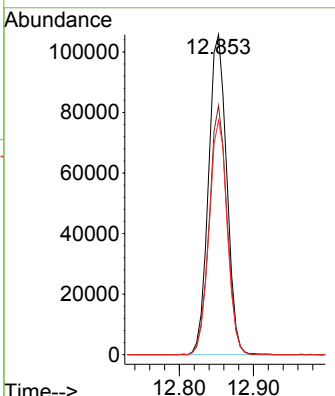
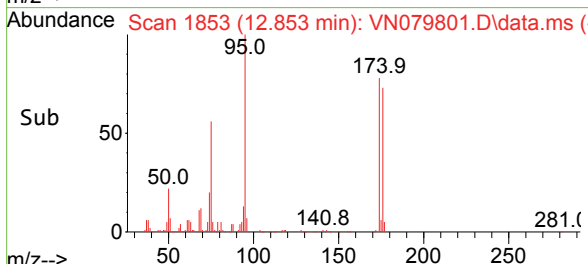


#62
 4-Bromofluorobenzene
 Concen: 49.609 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.000 min
 Lab File: VN079801.D
 Acq: 02 Nov 2023 16:46

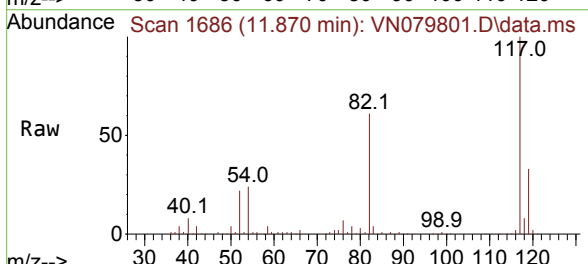
Instrument :
 MSVOA_N
 ClientSampleId :



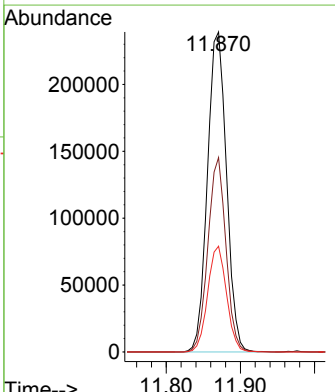
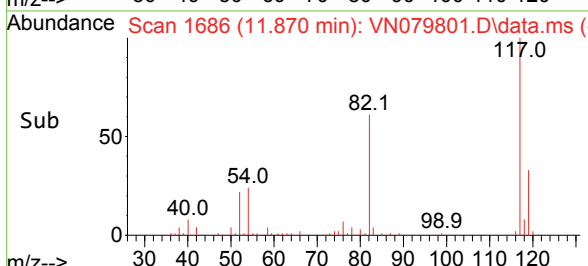
Tgt Ion:	95	Resp:	180289
Ion	Ratio	Lower	Upper
95	100		
174	76.2	0.0	143.8
176	72.7	0.0	135.8

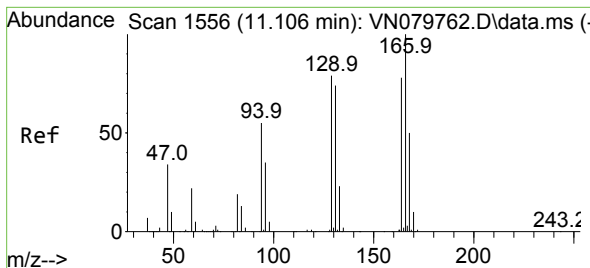


#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.870 min Scan# 1686
 Delta R.T. 0.000 min
 Lab File: VN079801.D
 Acq: 02 Nov 2023 16:46



Tgt Ion:	117	Resp:	427434
Ion	Ratio	Lower	Upper
117	100		
82	60.8	44.0	66.0
119	33.1	25.6	38.4





#64

Tetrachloroethene

Concen: 0.515 ug/l

RT: 11.100 min Scan# 1555

Delta R.T. -0.006 min

Lab File: VN079801.D

Acq: 02 Nov 2023 16:46

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:164 Resp: 1427

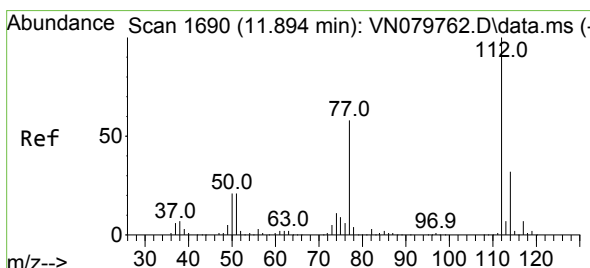
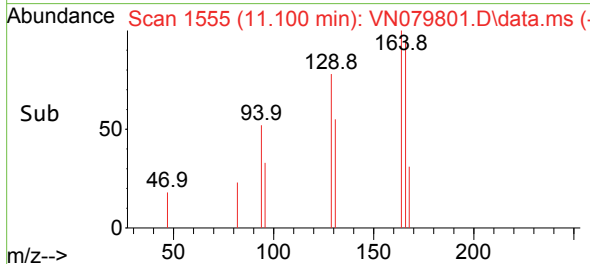
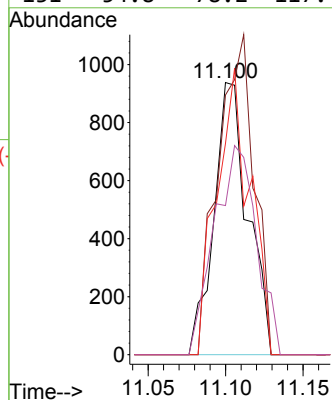
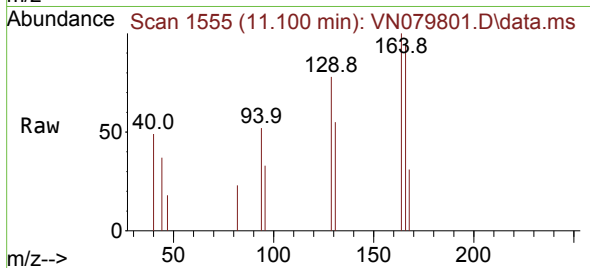
Ion Ratio Lower Upper

164 100

166 95.4 101.4 152.0#

129 77.6 82.4 123.6#

131 54.8 78.2 117.4#



#65

Chlorobenzene

Concen: 0.331 ug/l

RT: 11.894 min Scan# 1690

Delta R.T. 0.000 min

Lab File: VN079801.D

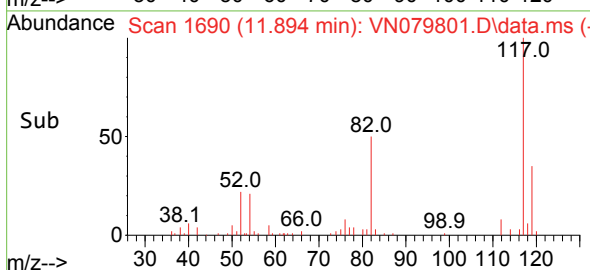
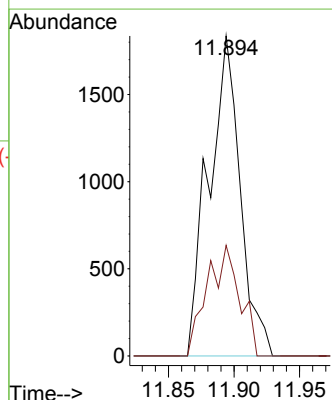
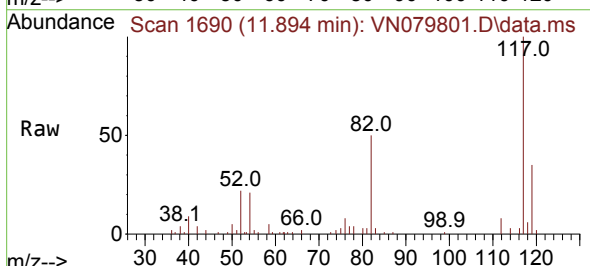
Acq: 02 Nov 2023 16:46

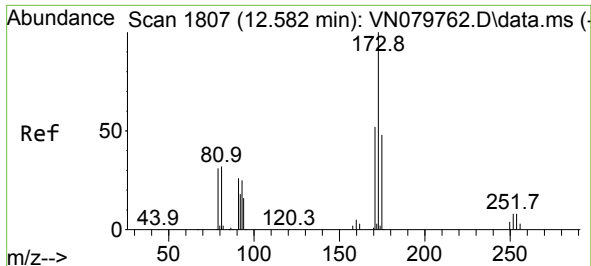
Tgt Ion:112 Resp: 3066

Ion Ratio Lower Upper

112 100

114 34.5 25.0 37.4

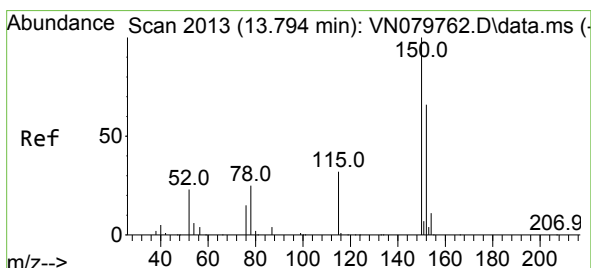
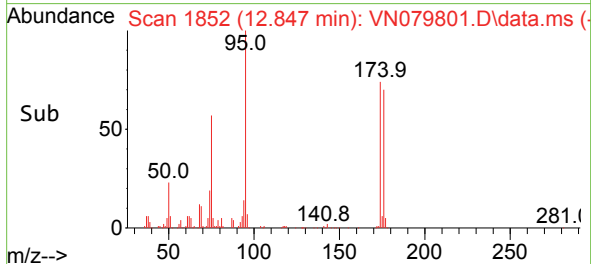
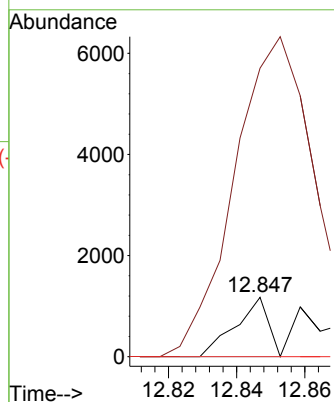
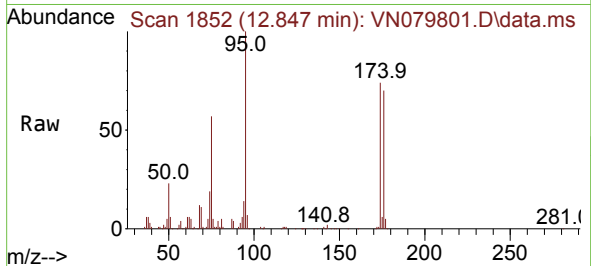




#71
Bromoform
Concen: 0.331 ug/l
RT: 12.847 min Scan# 1807
Delta R.T. 0.265 min
Lab File: VN079801.D
Acq: 02 Nov 2023 16:46

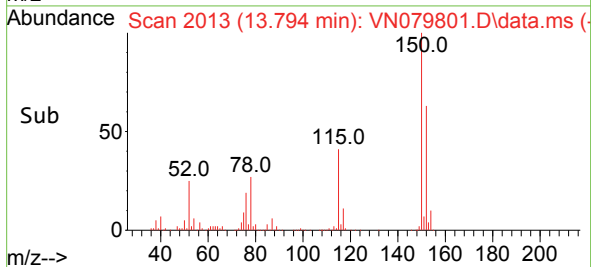
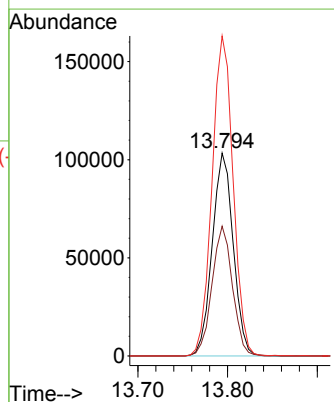
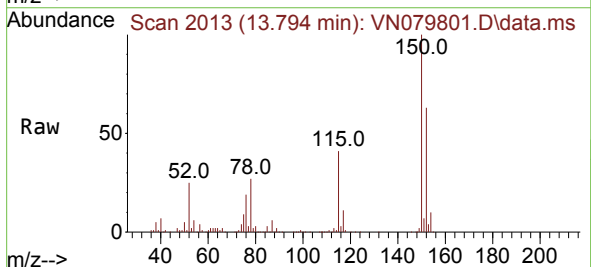
Instrument :
MSVOA_N
ClientSampleId :

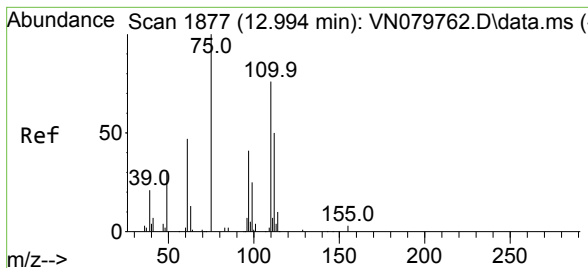
Tgt Ion:173 Resp: 786
Ion Ratio Lower Upper
173 100
175 1105.2 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN079801.D
Acq: 02 Nov 2023 16:46

Tgt Ion:152 Resp: 167924
Ion Ratio Lower Upper
152 100
115 62.4 32.3 96.8
150 158.4 0.0 355.8





#76

1,2,3-Trichloropropane

Concen: 25.621 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN079801.D

Acq: 02 Nov 2023 16:46

Instrument :

MSVOA_N

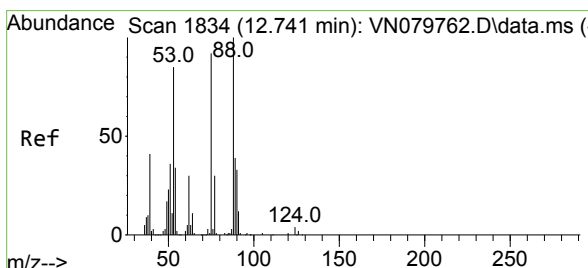
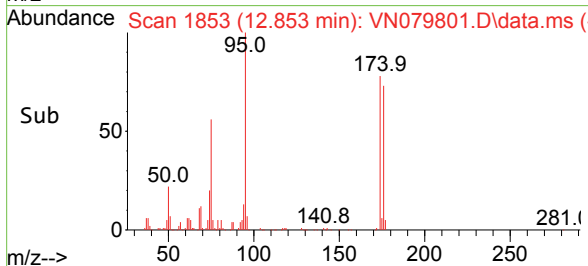
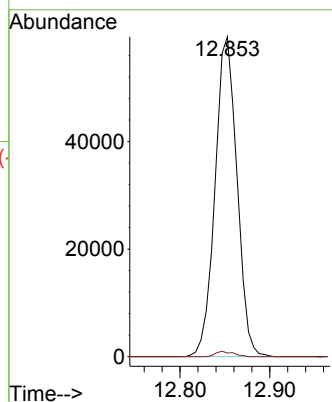
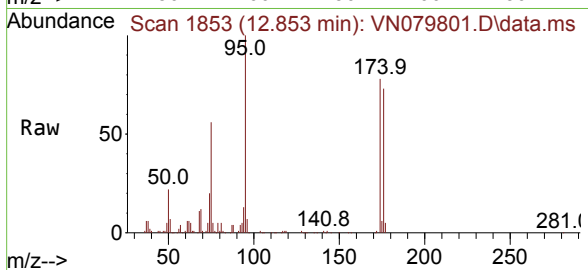
ClientSampleId :

Tgt Ion: 75 Resp: 101008

Ion Ratio Lower Upper

75 100

77 1.4 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 69.709 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.118 min

Lab File: VN079801.D

Acq: 02 Nov 2023 16:46

Tgt Ion: 75 Resp: 101008

Ion Ratio Lower Upper

75 100

53 0.1 67.4 101.2#

89 0.0 38.8 58.2#

