

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110323\
 Data File : VN079882.D
 Acq On : 04 Nov 2023 07:07
 Operator : JC\MD
 Sample : 05223-13
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 06 00:28:25 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)

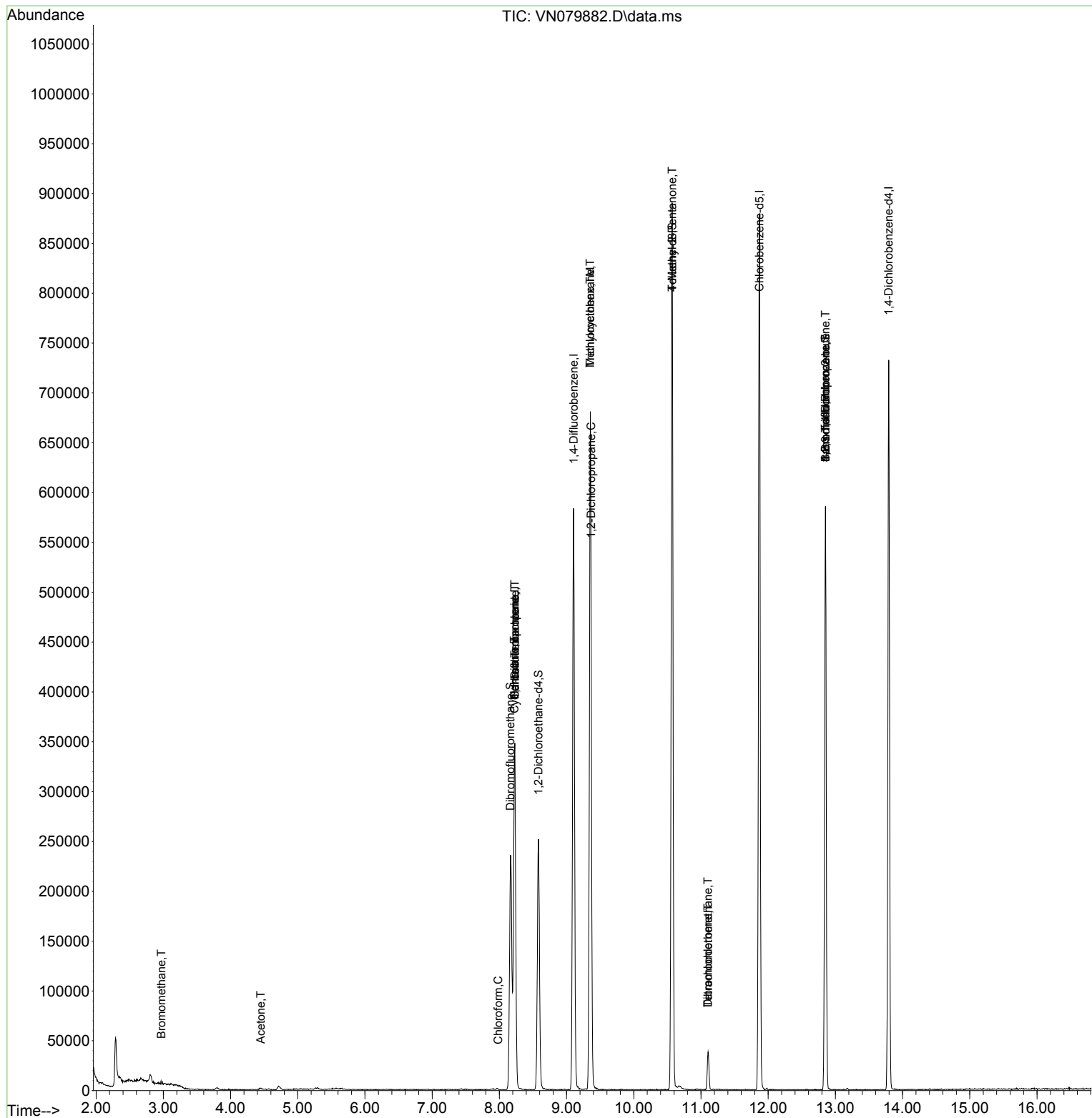
Internal Standards						
1) Pentafluorobenzene	8.230	168	242052	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	479993	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	493720	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	185924	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	206001	55.861	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.720%			
35) Dibromofluoromethane	8.165	113	167994	49.451	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.900%			
50) Toluene-d8	10.571	98	596608	47.705	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.400%			
62) 4-Bromofluorobenzene	12.853	95	194544	46.904	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 93.800%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	1350	Below Cal	#	87
5) Bromomethane	2.971	94	616	0.266	ug/l #	55
16) Acetone	4.447	43	2254	1.740	ug/l	90
30) Chloroform	7.983	83	1294	0.212	ug/l #	15
31) Cyclohexane	8.224	56	6088	1.249	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	22065	4.549	ug/l #	47
38) Carbon Tetrachloride	8.230	117	25610	5.239	ug/l #	16
39) Methylcyclohexane	9.353	83	3774	0.827	ug/l #	1
44) Trichloroethene	9.353	130	235117	65.218	ug/l	97
45) 1,2-Dichloropropane	9.365	63	873	0.235	ug/l #	1
51) 4-Methyl-2-Pentanone	10.571	43	3008	0.685	ug/l #	1
60) Dibromochloromethane	11.106	129	8471	2.284	ug/l #	11
64) Tetrachloroethene	11.106	164	8081	2.527	ug/l	88
71) Bromoform	12.853	173	1628	0.594	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	106179	24.325	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	106179	66.184	ug/l #	15

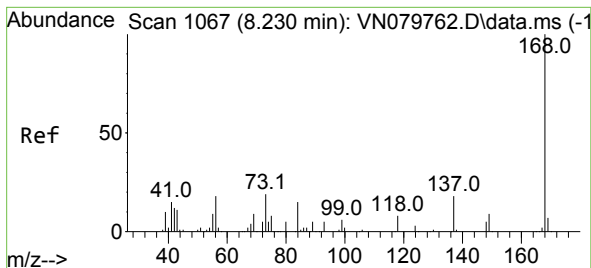
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. 0.001 min

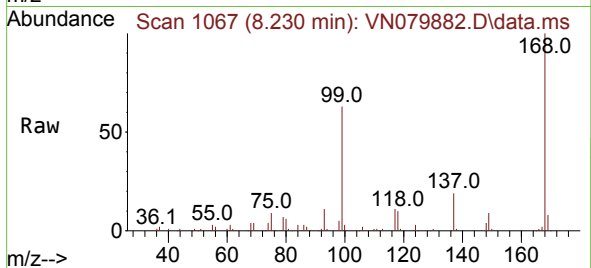
Lab File: VN079882.D

Acq: 04 Nov 2023 07:07

Instrument :

MSVOA_N

ClientSampleId :

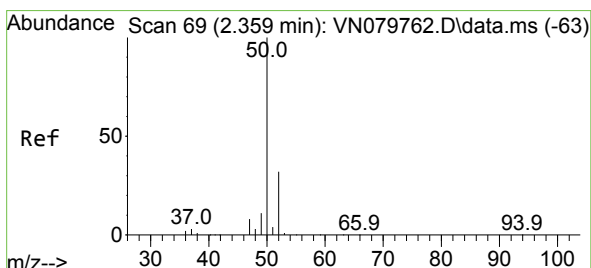
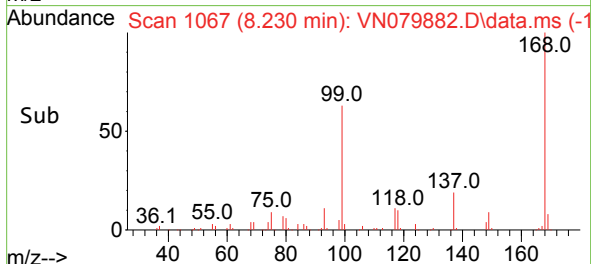
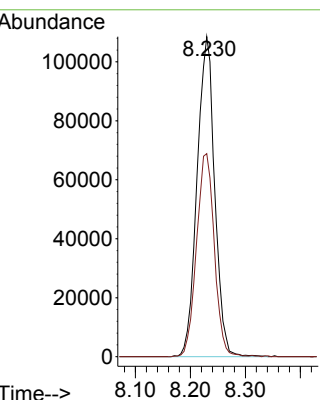


Tgt Ion:168 Resp: 242052

Ion Ratio Lower Upper

168 100

99 63.5 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.359 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN079882.D

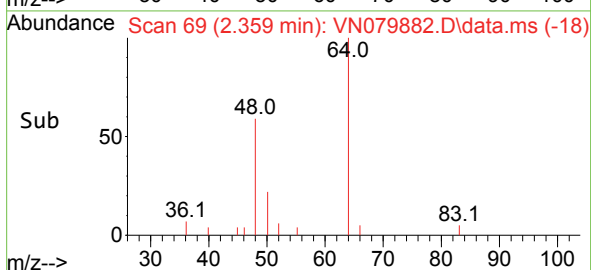
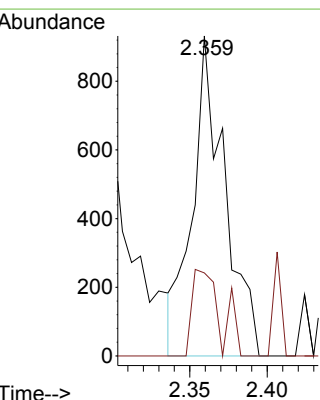
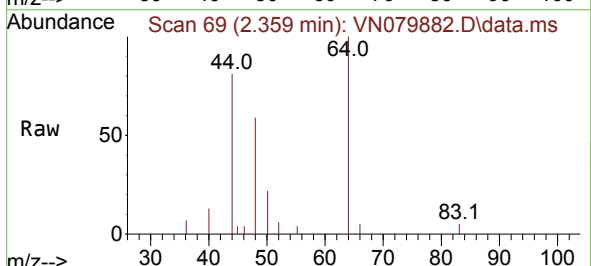
Acq: 04 Nov 2023 07:07

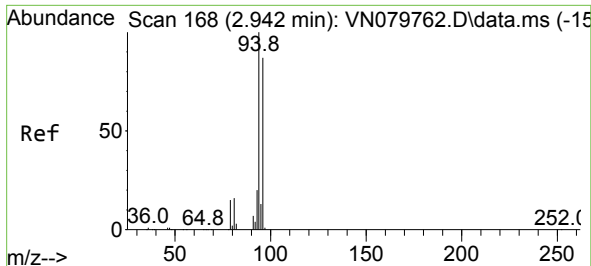
Tgt Ion: 50 Resp: 1350

Ion Ratio Lower Upper

50 100

52 26.0 26.5 39.7#

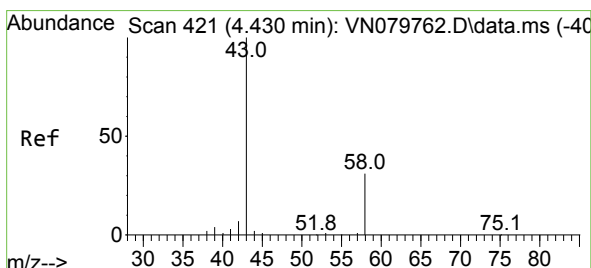
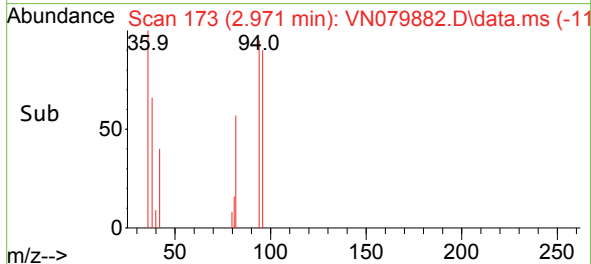
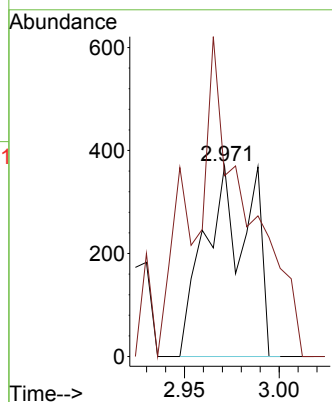
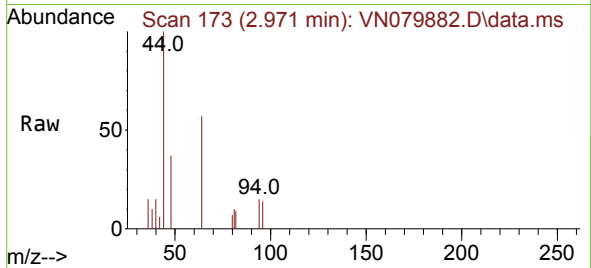




#5
Bromomethane
Concen: 0.266 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN079882.D
Acq: 04 Nov 2023 07:07

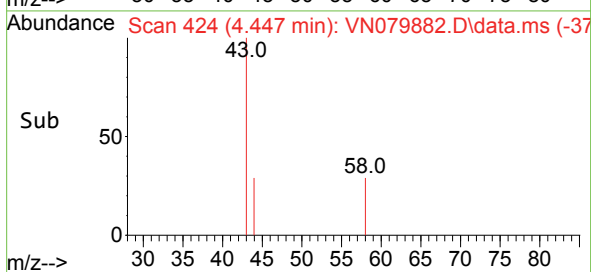
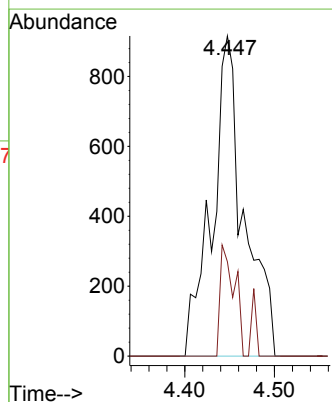
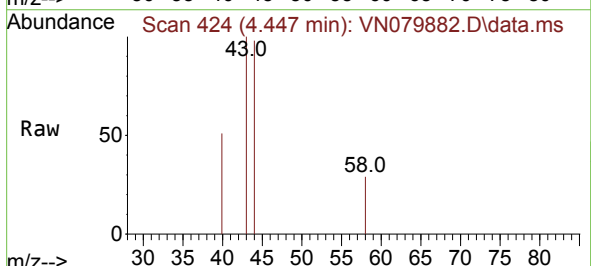
Instrument :
MSVOA_N
ClientSampleId :

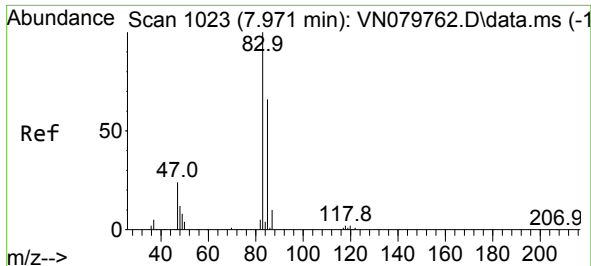
Tgt Ion: 94 Resp: 616
Ion Ratio Lower Upper
94 100
96 48.6 73.1 109.7#



#16
Acetone
Concen: 1.740 ug/l
RT: 4.447 min Scan# 424
Delta R.T. 0.018 min
Lab File: VN079882.D
Acq: 04 Nov 2023 07:07

Tgt Ion: 43 Resp: 2254
Ion Ratio Lower Upper
43 100
58 29.5 28.0 42.0

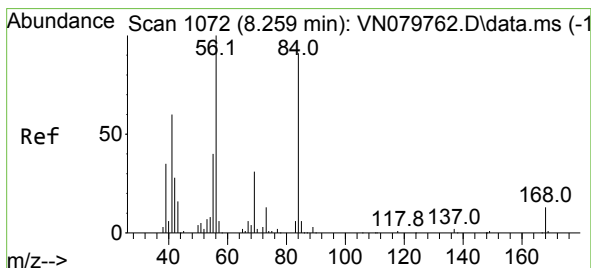
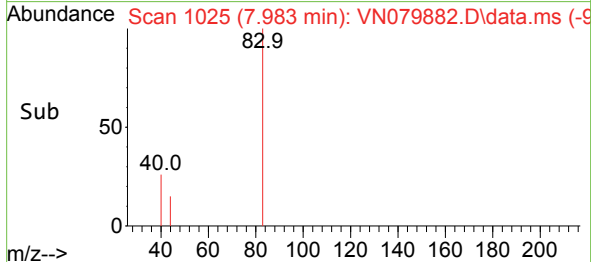
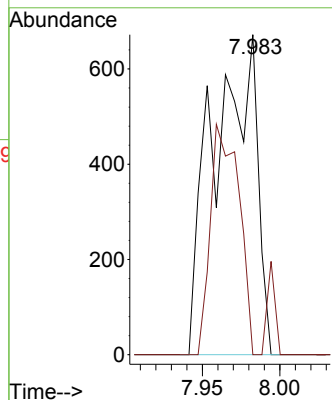
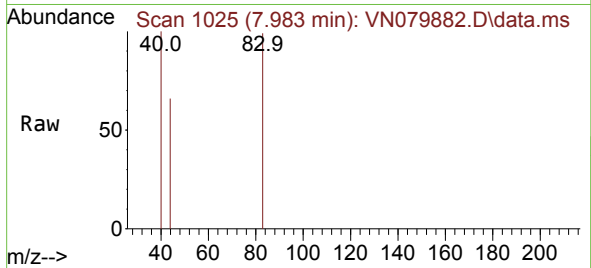




#30
Chloroform
Concen: 0.212 ug/l
RT: 7.983 min Scan# 1025
Delta R.T. 0.012 min
Lab File: VN079882.D
Acq: 04 Nov 2023 07:07

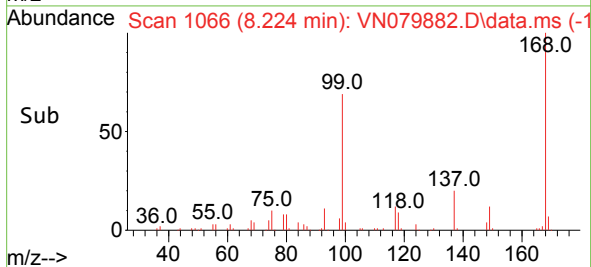
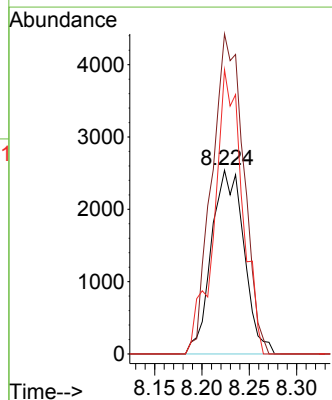
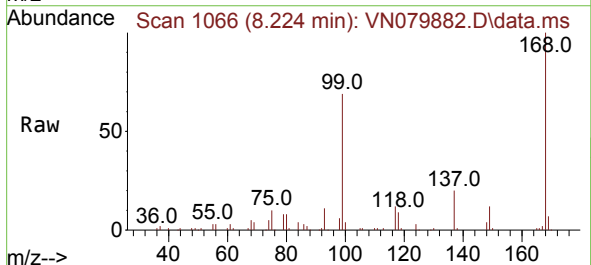
Instrument :
MSVOA_N
ClientSampleId :

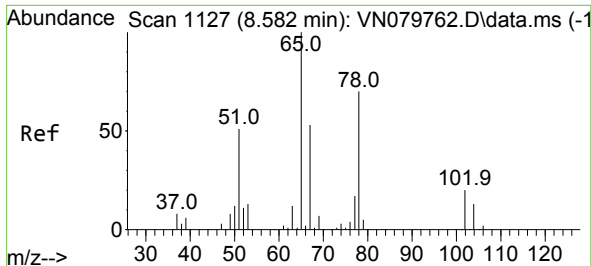
Tgt Ion: 83 Resp: 1294
Ion Ratio Lower Upper
83 100
85 0.0 55.4 83.0#



#31
Cyclohexane
Concen: 1.249 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN079882.D
Acq: 04 Nov 2023 07:07

Tgt Ion: 56 Resp: 6088
Ion Ratio Lower Upper
56 100
69 174.2 26.8 40.2#
84 154.7 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 55.861 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079882.D

Acq: 04 Nov 2023 07:07

Instrument :

MSVOA_N

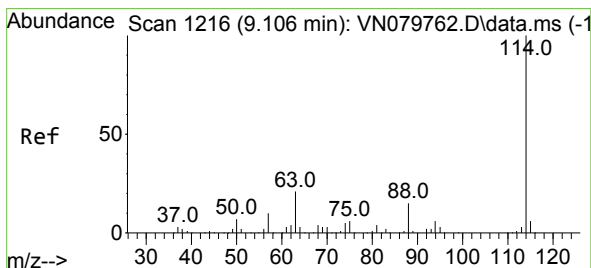
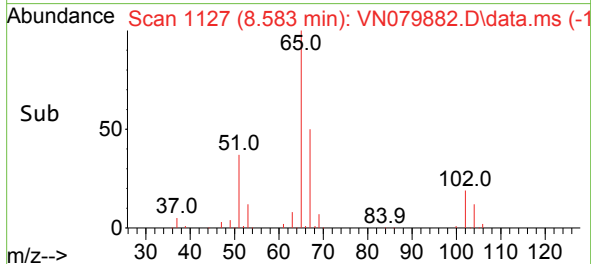
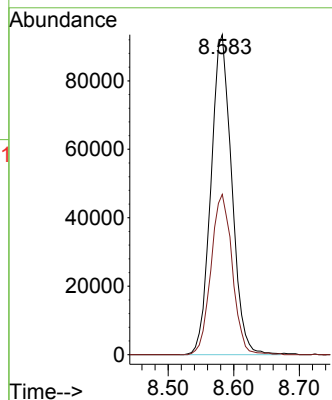
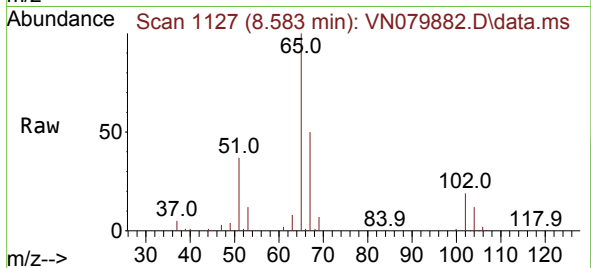
ClientSampleId :

Tgt Ion: 65 Resp: 206001

Ion Ratio Lower Upper

65 100

67 51.4 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: VN079882.D

Acq: 04 Nov 2023 07:07

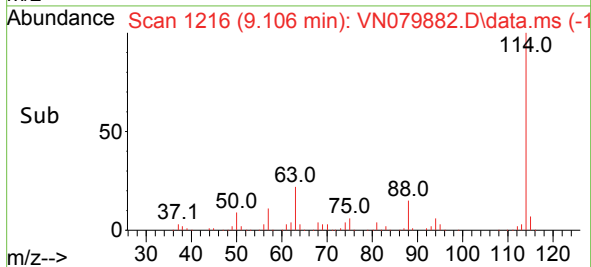
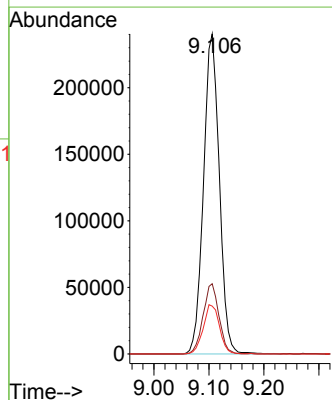
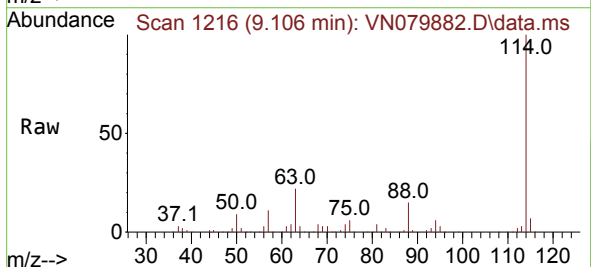
Tgt Ion: 114 Resp: 479993

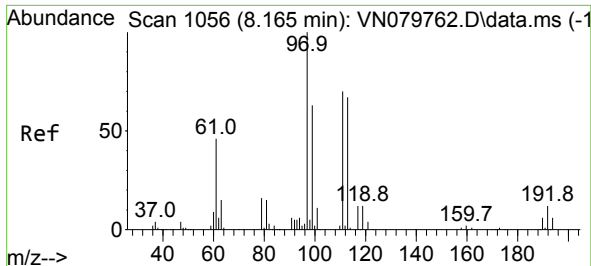
Ion Ratio Lower Upper

114 100

63 22.0 0.0 36.4

88 14.9 0.0 30.6

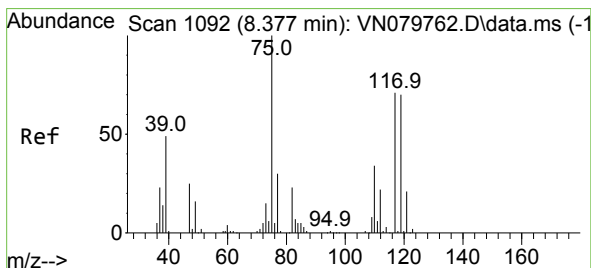
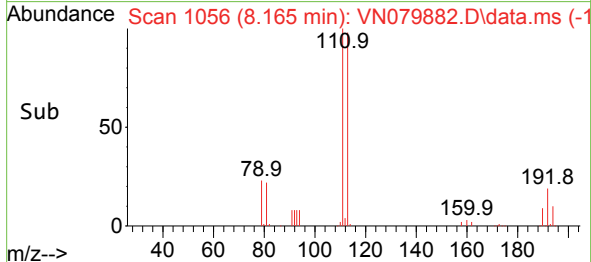
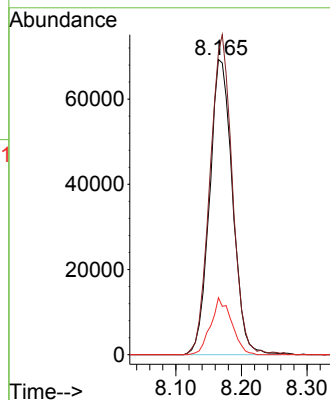
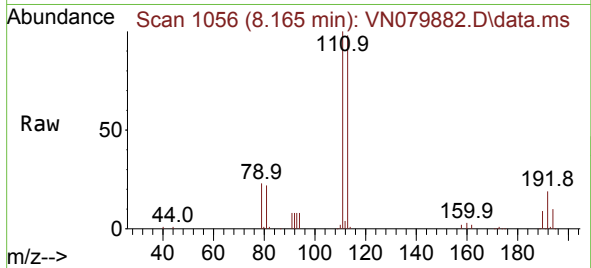




#35
Dibromofluoromethane
Concen: 49.451 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN079882.D
Acq: 04 Nov 2023 07:07

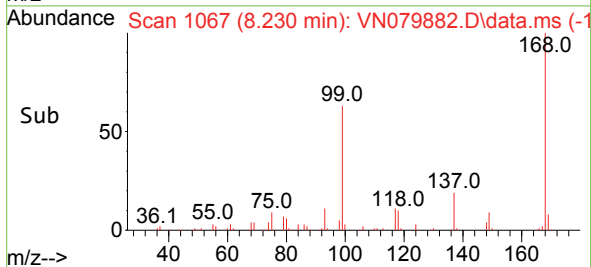
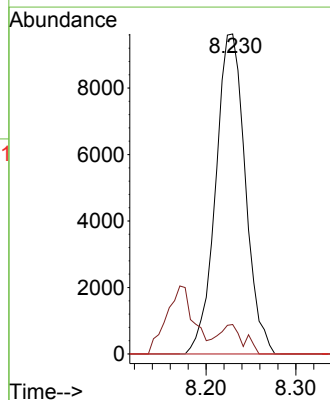
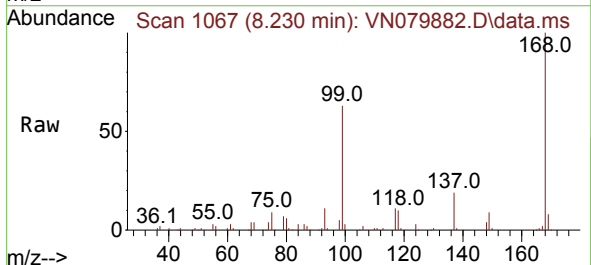
Instrument :
MSVOA_N
ClientSampleId :

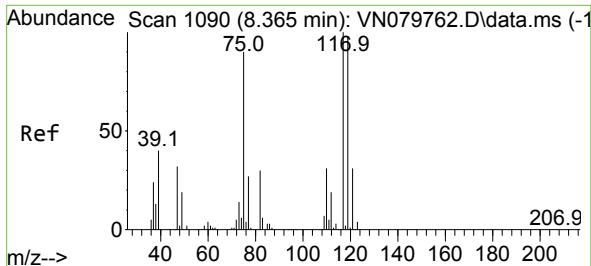
Tgt Ion:113 Resp: 167994
Ion Ratio Lower Upper
113 100
111 106.3 82.6 123.8
192 17.7 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.549 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN079882.D
Acq: 04 Nov 2023 07:07

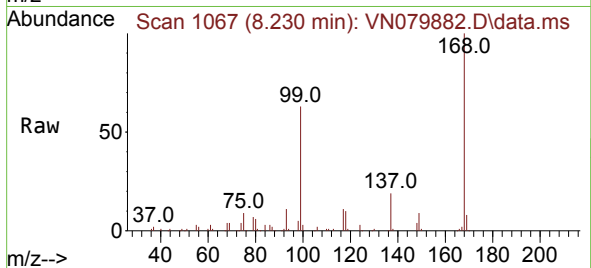
Tgt Ion: 75 Resp: 22065
Ion Ratio Lower Upper
75 100
110 7.5 19.1 57.3#
77 0.0 25.0 37.4#



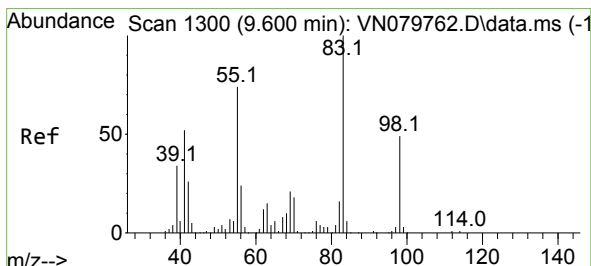
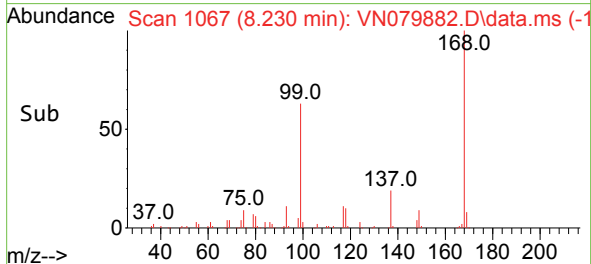
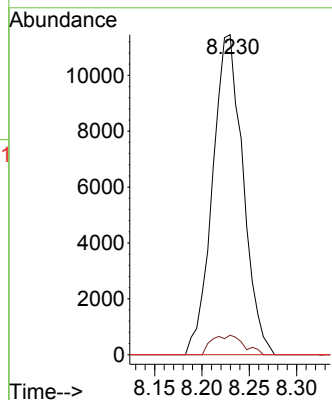


#38
Carbon Tetrachloride
Concen: 5.239 ug/l
RT: 8.230 min Scan# 11
Delta R.T. -0.129 min
Lab File: VN079882.D
Acq: 04 Nov 2023 07:07

Instrument :
MSVOA_N
ClientSampleId :

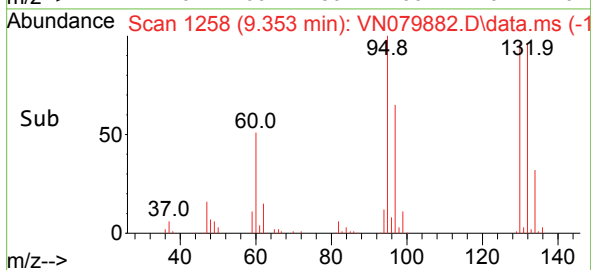
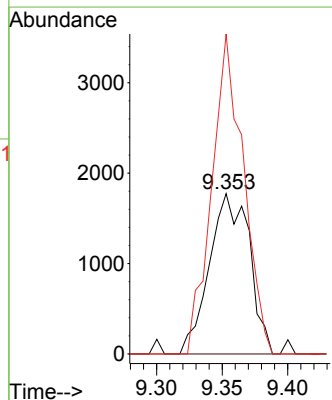
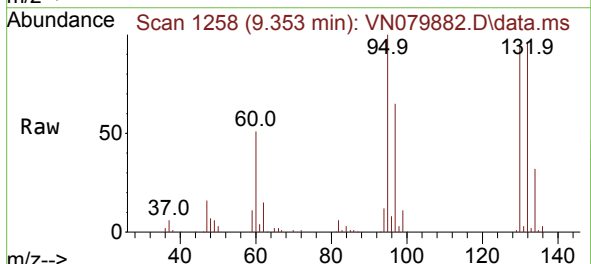


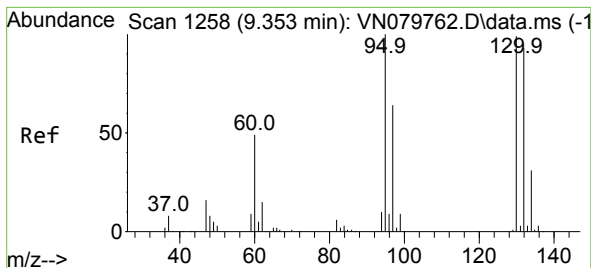
Tgt Ion:117 Resp: 25610
Ion Ratio Lower Upper
117 100
119 6.1 77.3 115.9#
121 0.0 23.3 34.9#



#39
Methylcyclohexane
Concen: 0.827 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. -0.253 min
Lab File: VN079882.D
Acq: 04 Nov 2023 07:07

Tgt Ion: 83 Resp: 3774
Ion Ratio Lower Upper
83 100
55 0.0 49.1 73.7#
98 199.5 40.6 61.0#





#44

Trichloroethene

Concen: 65.218 ug/l

RT: 9.353 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN079882.D

Acq: 04 Nov 2023 07:07

Instrument :

MSVOA_N

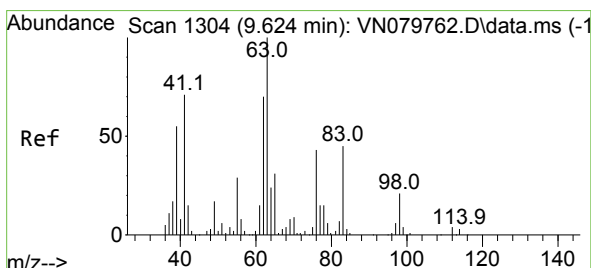
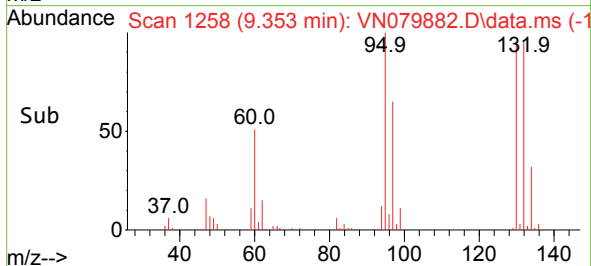
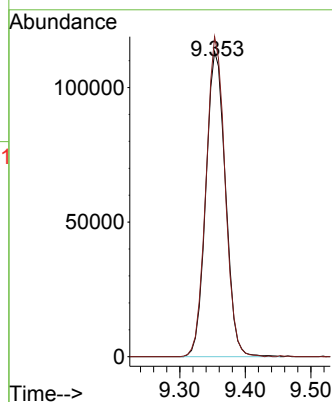
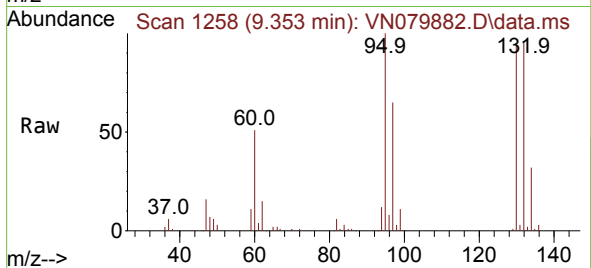
ClientSampleId :

Tgt Ion:130 Resp: 235117

Ion Ratio Lower Upper

130 100

95 104.8 0.0 204.6



#45

1,2-Dichloropropane

Concen: 0.235 ug/l

RT: 9.365 min Scan# 1260

Delta R.T. -0.259 min

Lab File: VN079882.D

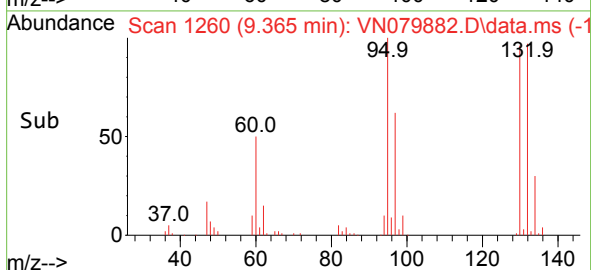
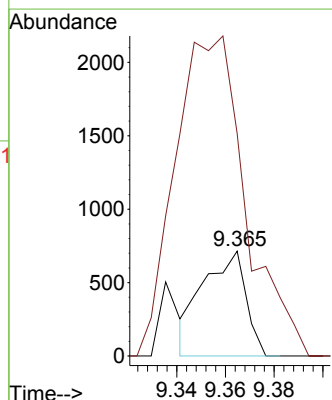
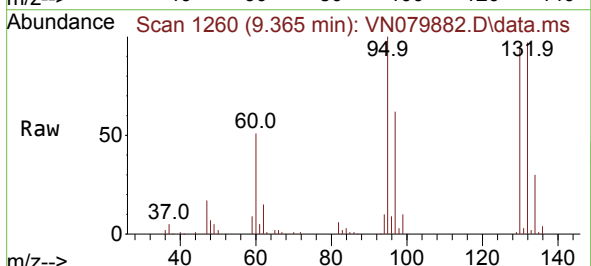
Acq: 04 Nov 2023 07:07

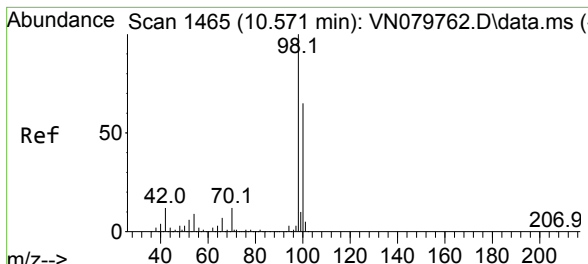
Tgt Ion: 63 Resp: 873

Ion Ratio Lower Upper

63 100

65 156.6 23.9 35.9#

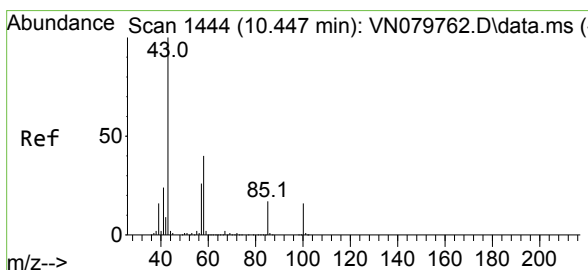
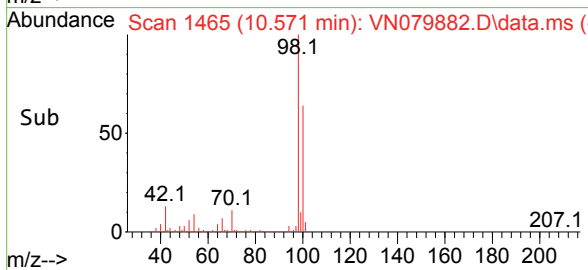
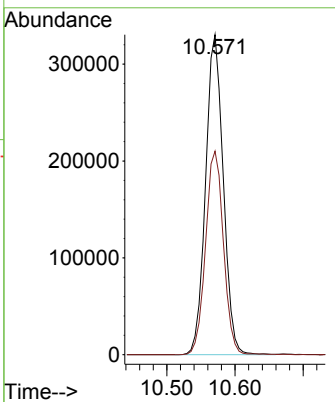
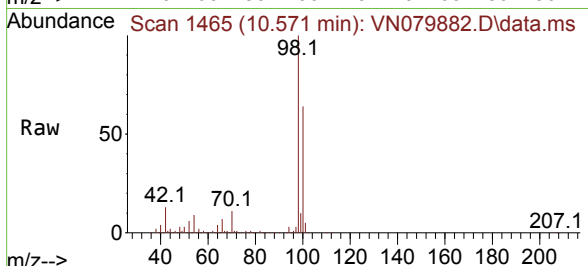




#50
Toluene-d8
Concen: 47.705 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079882.D
Acq: 04 Nov 2023 07:07

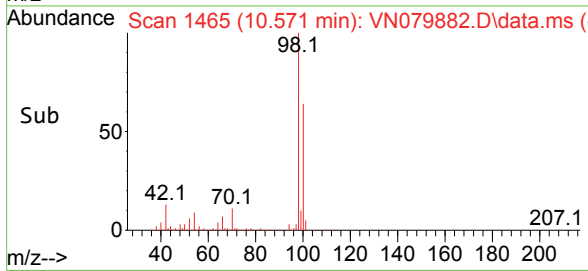
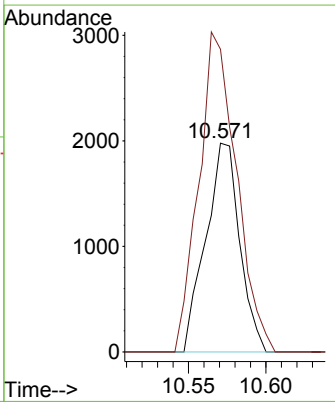
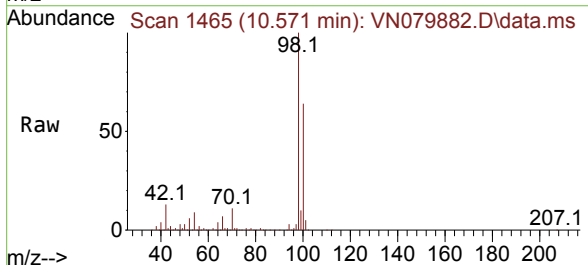
Instrument :
MSVOA_N
ClientSampleId :

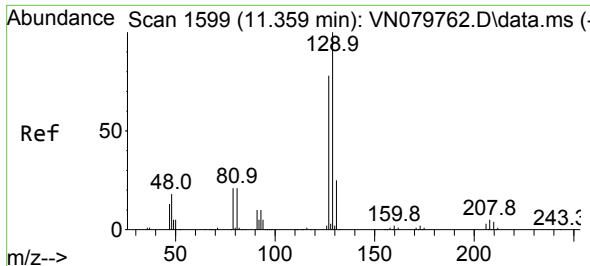
Tgt Ion: 98 Resp: 596608
Ion Ratio Lower Upper
98 100
100 64.4 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.685 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.124 min
Lab File: VN079882.D
Acq: 04 Nov 2023 07:07

Tgt Ion: 43 Resp: 3008
Ion Ratio Lower Upper
43 100
58 169.8 36.6 54.8#

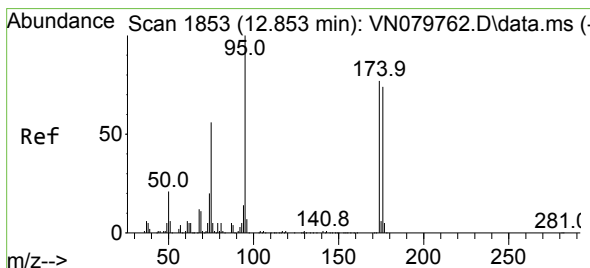
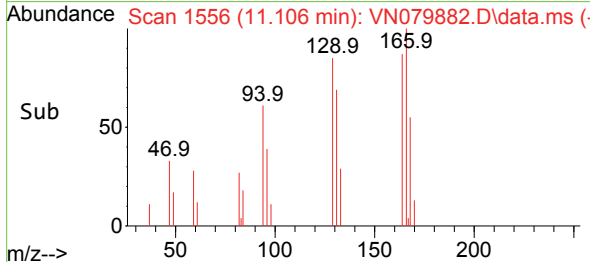
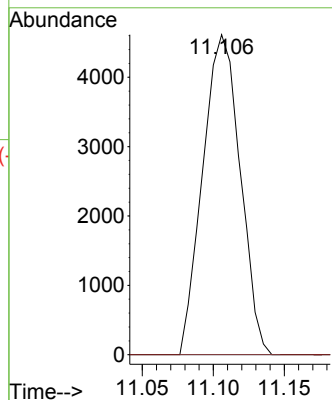
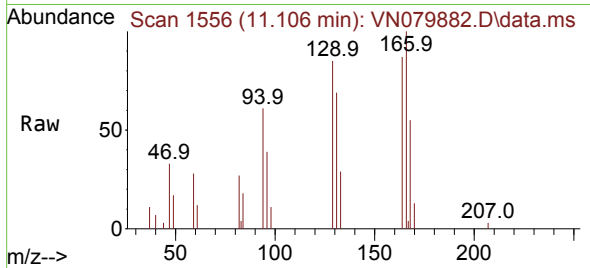




#60
Dibromochloromethane
Concen: 2.284 ug/l
RT: 11.106 min Scan# 11
Delta R.T. -0.259 min
Lab File: VN079882.D
Acq: 04 Nov 2023 07:07

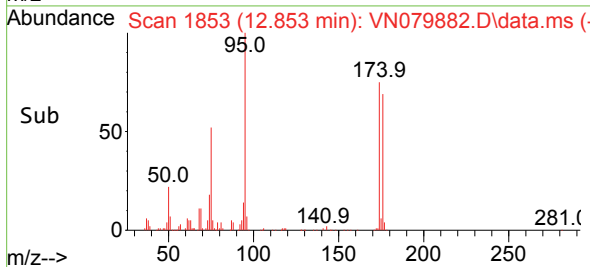
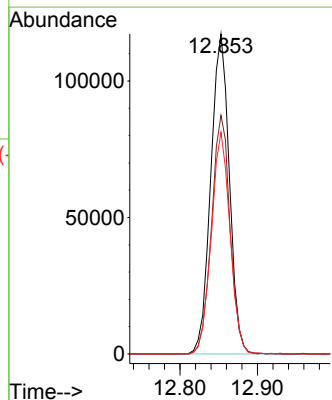
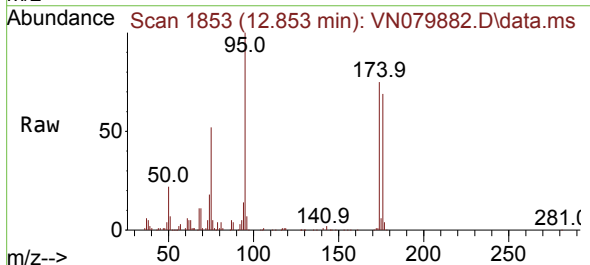
Instrument :
MSVOA_N
ClientSampleId :

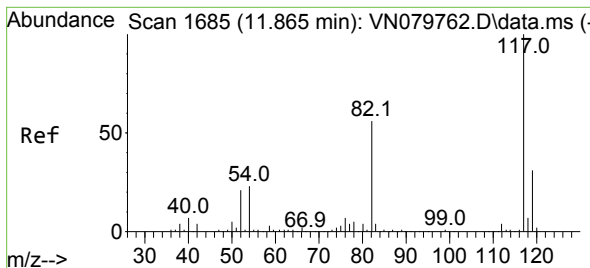
Tgt Ion:129 Resp: 8471
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 46.904 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079882.D
Acq: 04 Nov 2023 07:07

Tgt Ion: 95 Resp: 194544
Ion Ratio Lower Upper
95 100
174 74.5 0.0 143.8
176 69.9 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN079882.D

Acq: 04 Nov 2023 07:07

Instrument :

MSVOA_N

ClientSampleId :

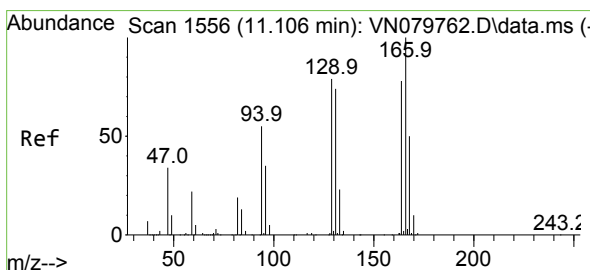
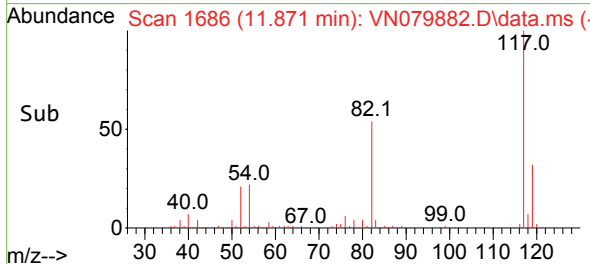
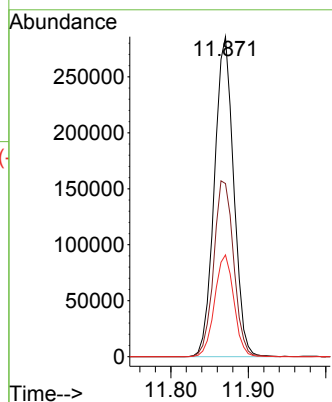
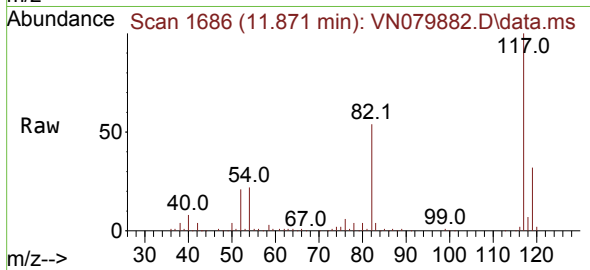
Tgt Ion:117 Resp: 493720

Ion Ratio Lower Upper

117 100

82 54.1 44.0 66.0

119 31.8 25.6 38.4



#64

Tetrachloroethene

Concen: 2.527 ug/l

RT: 11.106 min Scan# 1556

Delta R.T. 0.000 min

Lab File: VN079882.D

Acq: 04 Nov 2023 07:07

Tgt Ion:164 Resp: 8081

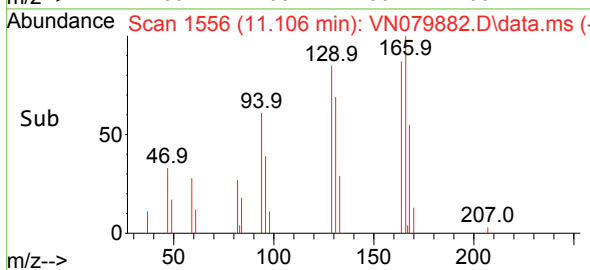
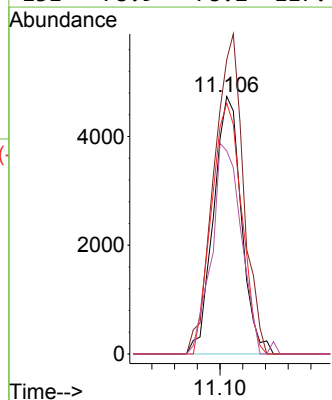
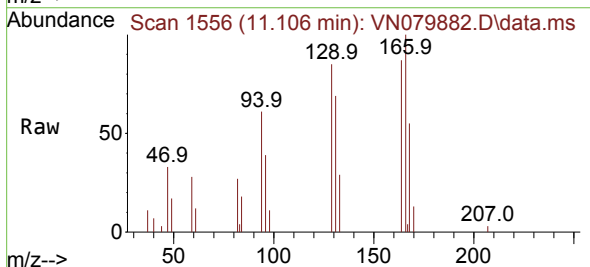
Ion Ratio Lower Upper

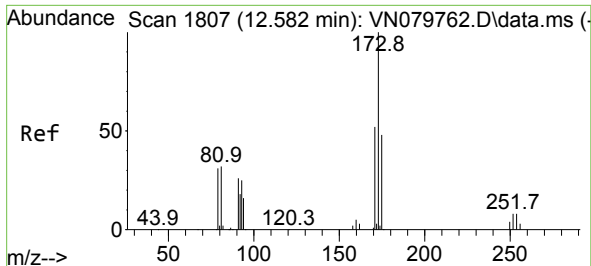
164 100

166 114.4 101.4 152.0

129 97.4 82.4 123.6

131 78.9 78.2 117.4

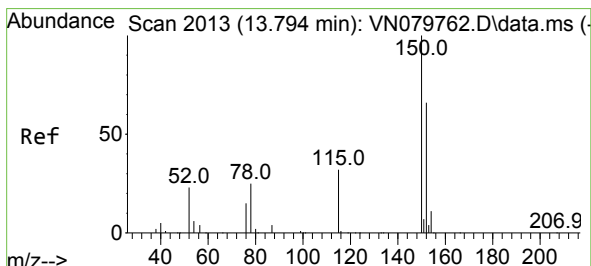
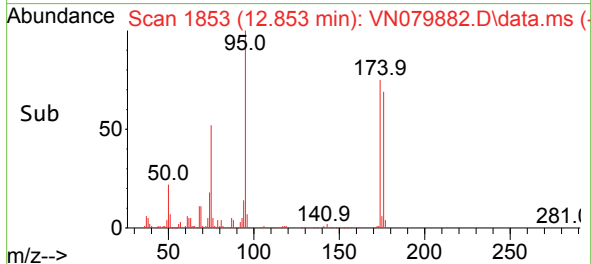
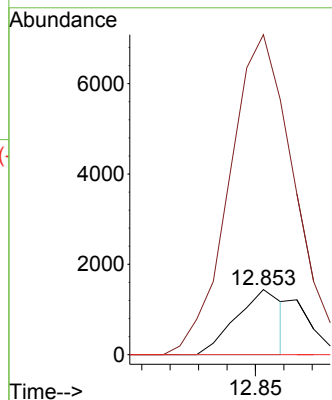
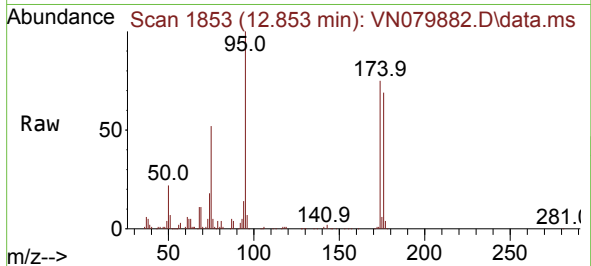




#71
Bromoform
Concen: 0.594 ug/l
RT: 12.853 min Scan# 1807
Delta R.T. 0.271 min
Lab File: VN079882.D
Acq: 04 Nov 2023 07:07

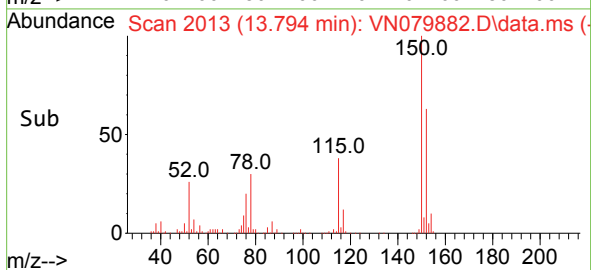
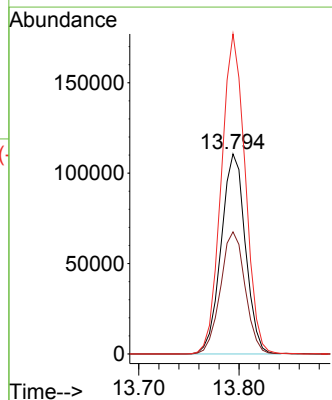
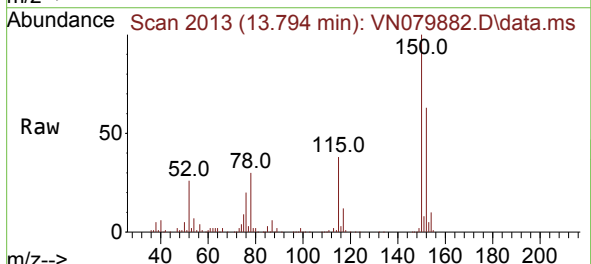
Instrument :
MSVOA_N
ClientSampleId :

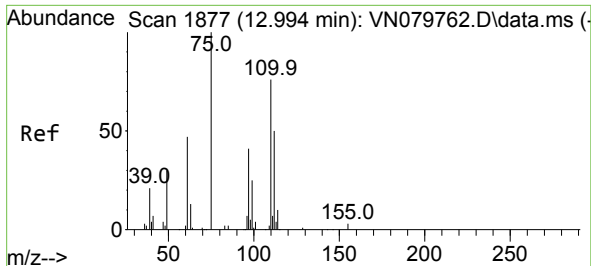
Tgt Ion:173 Resp: 1628
Ion Ratio Lower Upper
173 100
175 556.6 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN079882.D
Acq: 04 Nov 2023 07:07

Tgt Ion:152 Resp: 185924
Ion Ratio Lower Upper
152 100
115 61.9 32.3 96.8
150 157.7 0.0 355.8

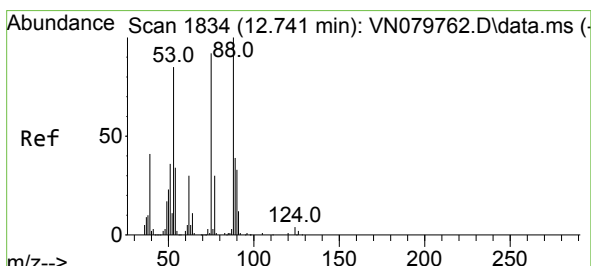
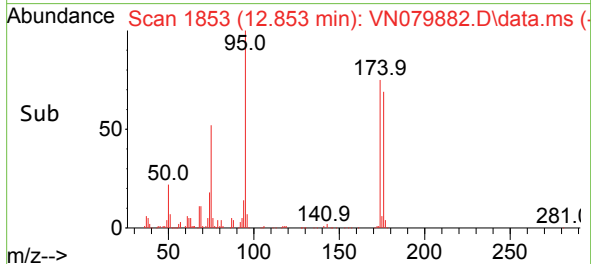
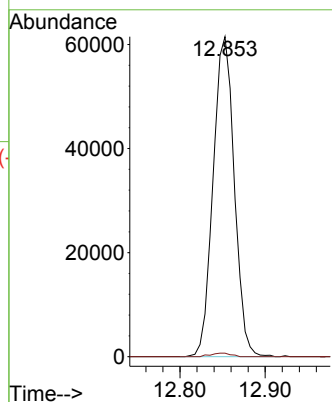
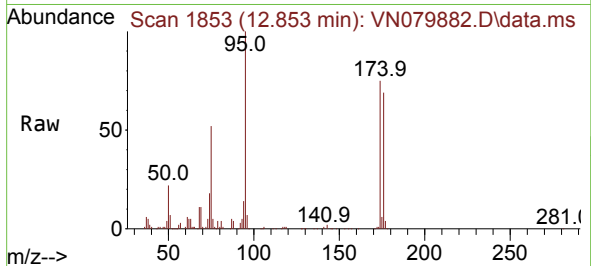




#76
1,2,3-Trichloropropane
Concen: 24.325 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN079882.D
Acq: 04 Nov 2023 07:07

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 106179
Ion Ratio Lower Upper
75 100
77 1.1 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.184 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN079882.D
Acq: 04 Nov 2023 07:07

Tgt Ion: 75 Resp: 106179
Ion Ratio Lower Upper
75 100
53 0.2 67.4 101.2#
89 0.0 38.8 58.2#

