

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110223\
 Data File : VN079833.D
 Acq On : 03 Nov 2023 08:19
 Operator : JC\MD
 Sample : 05222-18
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 03 08:53:52 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)

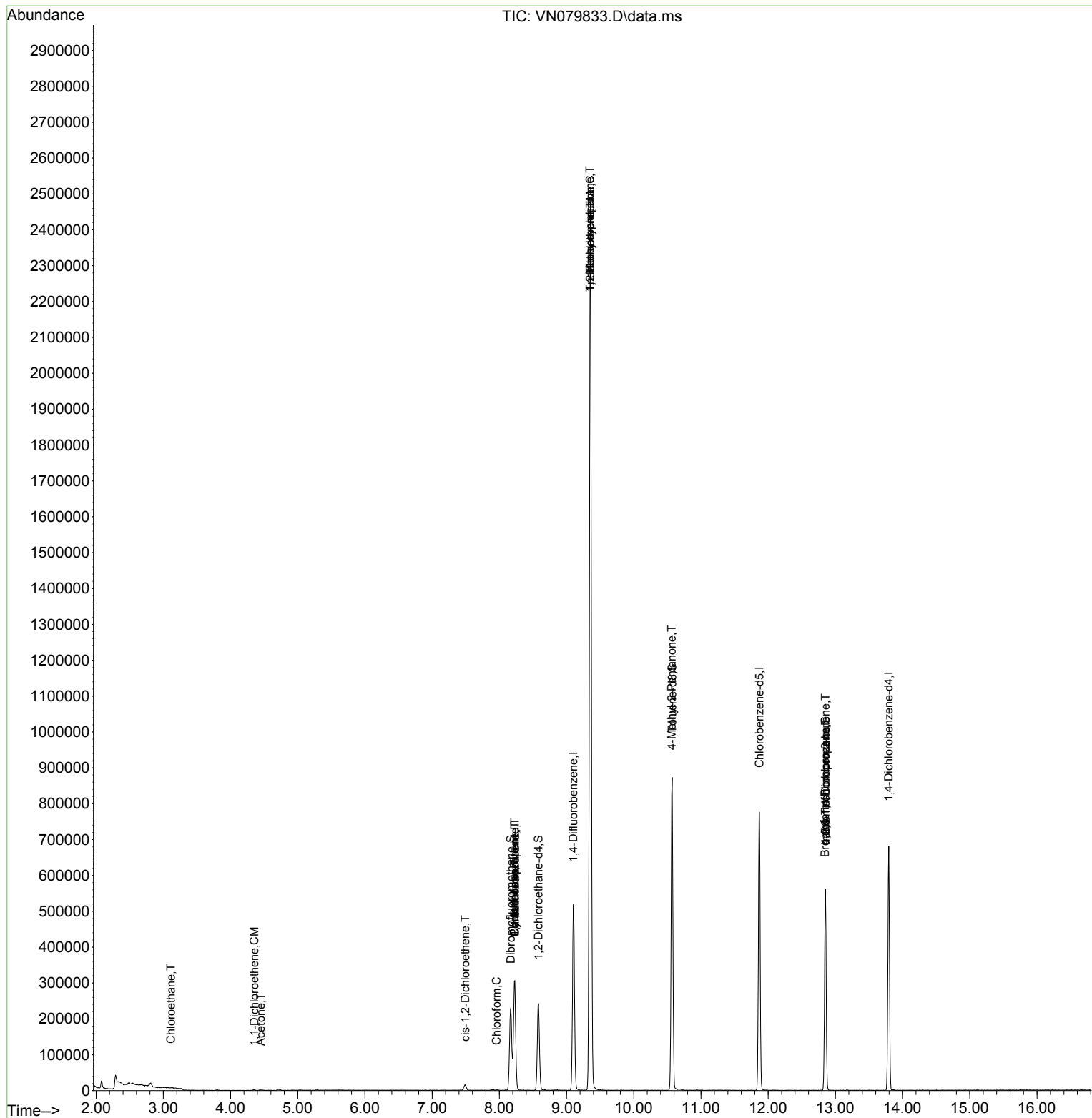
Internal Standards						
1) Pentafluorobenzene	8.230	168	217340	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	431833	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	445851	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	166303	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	196890	59.461	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 118.920%			
35) Dibromofluoromethane	8.171	113	164377	53.782	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.560%			
50) Toluene-d8	10.571	98	590770	52.506	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.020%			
62) 4-Bromofluorobenzene	12.853	95	185638	49.748	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.500%			
Target Compounds						Qvalue
3) Chloromethane	2.365	50	1684	Below Cal		94
6) Chloroethane	3.112	64	947	0.350 ug/l #		43
12) 1,1-Dichloroethene	4.353	96	537	0.230 ug/l #		87
16) Acetone	4.448	43	1906	1.639 ug/l #		66
27) cis-1,2-Dichloroethene	7.494	96	8849	2.835 ug/l		93
30) Chloroform	7.959	83	1950	0.356 ug/l #		56
31) Cyclohexane	8.224	56	5847	1.336 ug/l #		35
36) 1,1-Dichloropropene	8.230	75	20155	4.619 ug/l #		47
38) Carbon Tetrachloride	8.230	117	23741	5.398 ug/l #		15
39) Methylcyclohexane	9.347	83	12115	2.950 ug/l #		1
44) Trichloroethene	9.353	130	847869	261.414 ug/l		98
45) 1,2-Dichloropropane	9.353	63	3535	1.058 ug/l #		1
51) 4-Methyl-2-Pentanone	10.565	43	2705	0.685 ug/l #		1
71) Bromoform	12.847	173	1921	0.776 ug/l #		1
76) 1,2,3-Trichloropropane	12.853	75	102751	26.317 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.853	75	102751	71.603 ug/l #		15

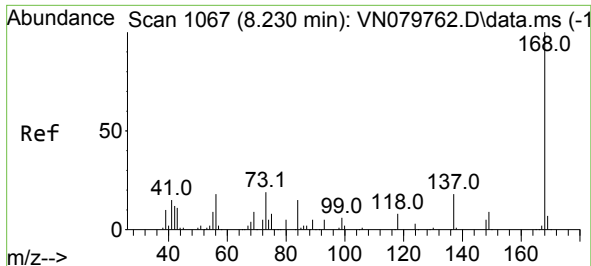
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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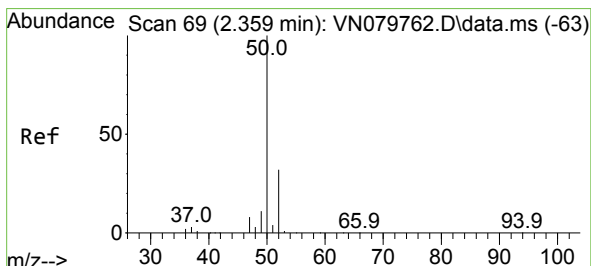
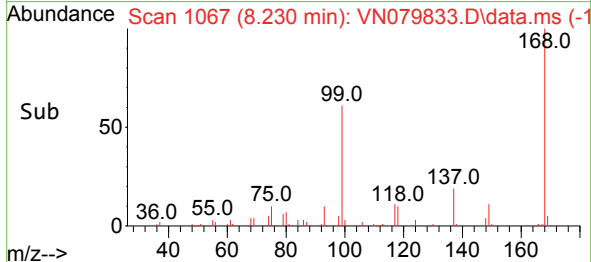
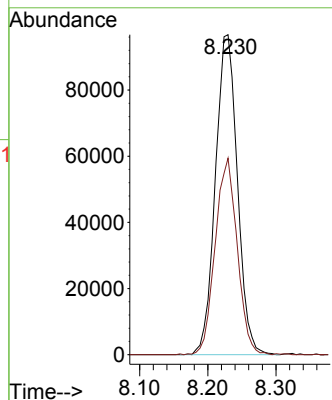
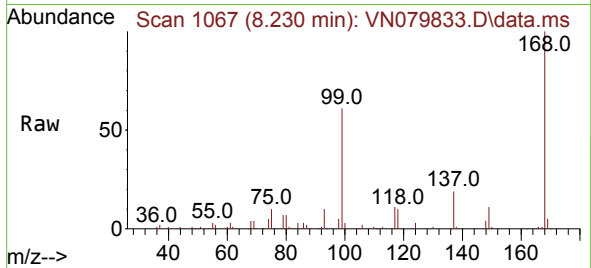




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. 0.001 min
Lab File: VN079833.D
Acq: 03 Nov 2023 08:19

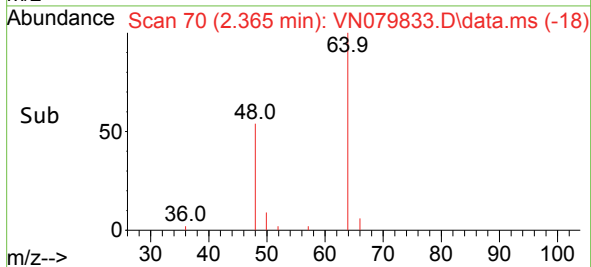
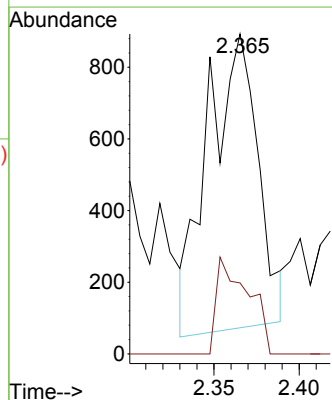
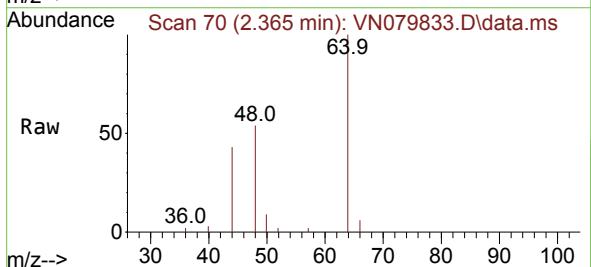
Instrument :
MSVOA_N
ClientSampleId :

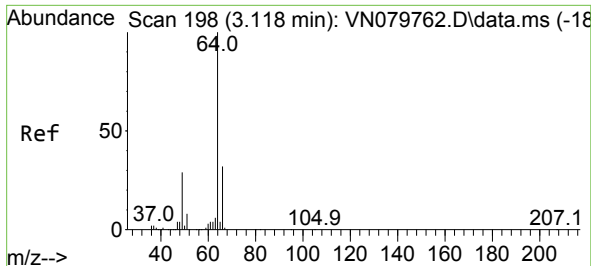
Tgt Ion:168 Resp: 217340
Ion Ratio Lower Upper
168 100
99 61.2 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN079833.D
Acq: 03 Nov 2023 08:19

Tgt Ion: 50 Resp: 1684
Ion Ratio Lower Upper
50 100
52 30.0 26.5 39.7

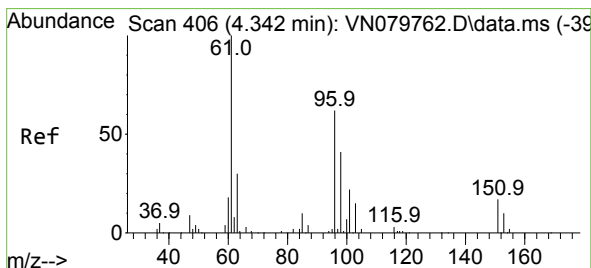
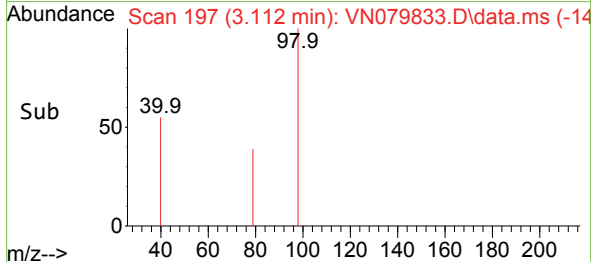
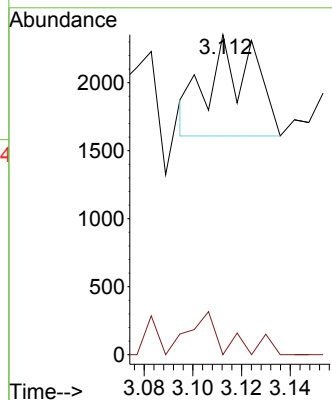
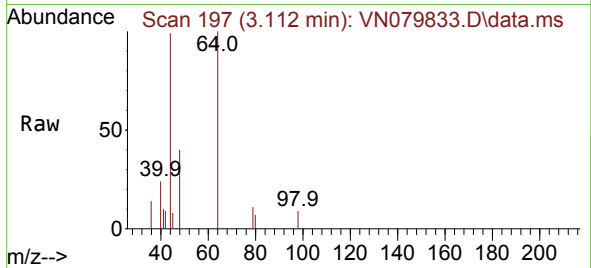




#6
Chloroethane
Concen: 0.350 ug/l
RT: 3.112 min Scan# 198
Delta R.T. -0.006 min
Lab File: VN079833.D
Acq: 03 Nov 2023 08:19

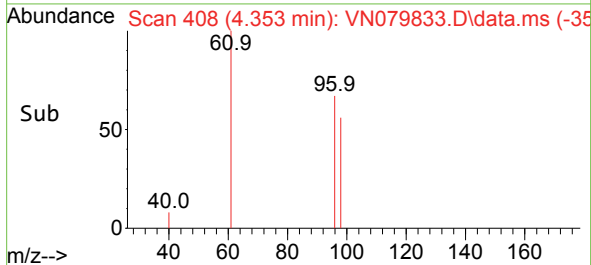
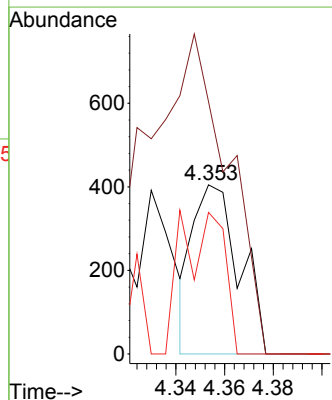
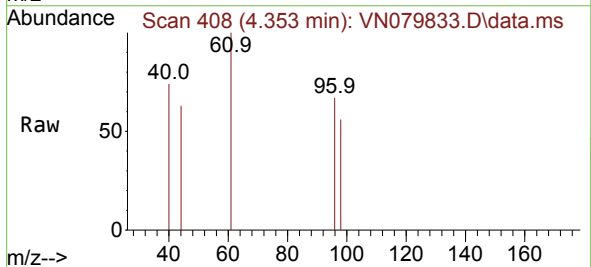
Instrument :
MSVOA_N
ClientSampleId :

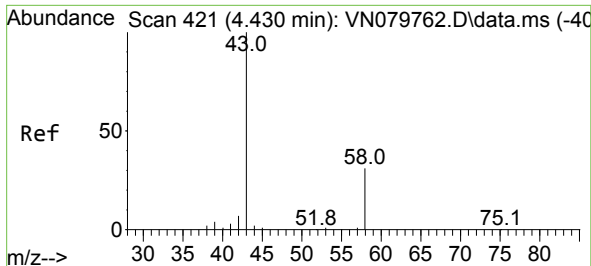
Tgt Ion: 64 Resp: 947
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#12
1,1-Dichloroethene
Concen: 0.230 ug/l
RT: 4.353 min Scan# 408
Delta R.T. 0.006 min
Lab File: VN079833.D
Acq: 03 Nov 2023 08:19

Tgt Ion: 96 Resp: 537
Ion Ratio Lower Upper
96 100
61 149.1 112.7 169.1
98 83.7 51.2 76.8#

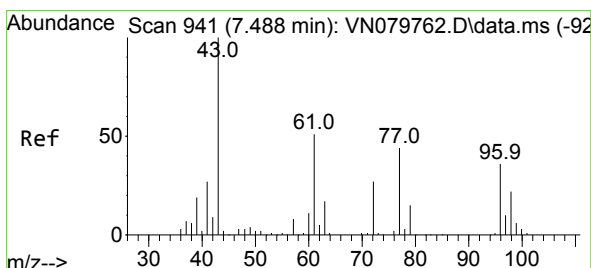
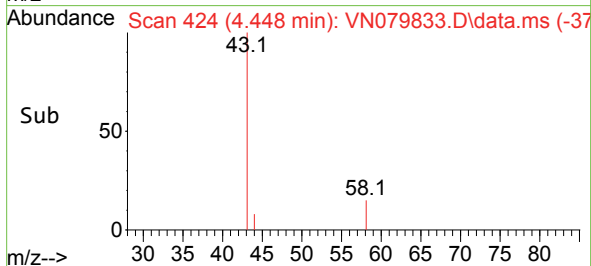
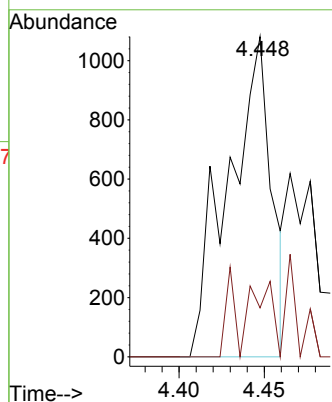
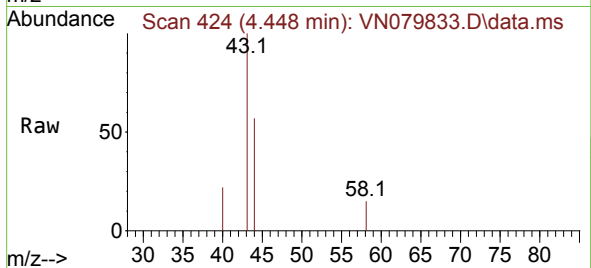




#16
Acetone
Concen: 1.639 ug/l
RT: 4.448 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN079833.D
Acq: 03 Nov 2023 08:19

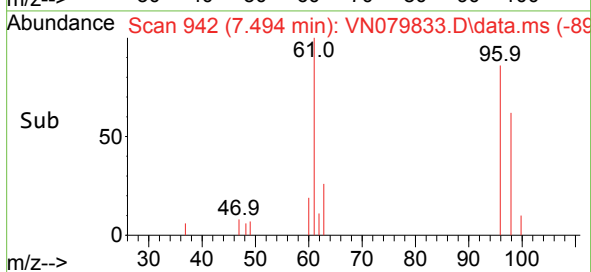
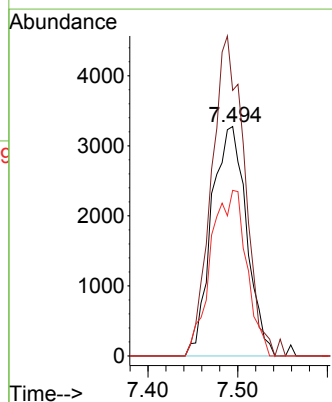
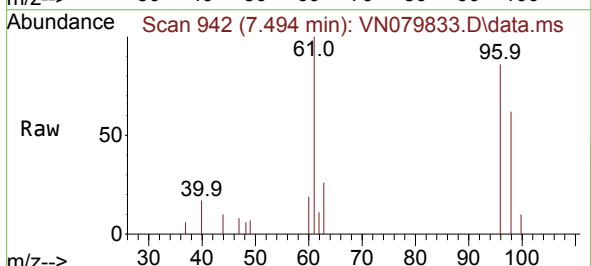
Instrument :
MSVOA_N
ClientSampleId :

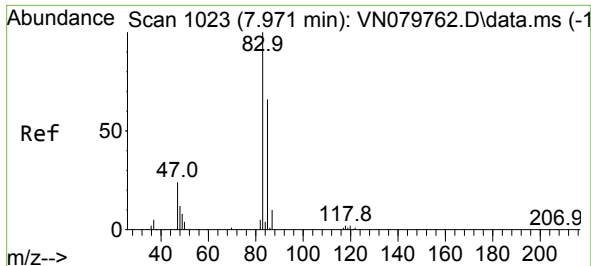
Tgt Ion: 43 Resp: 1906
Ion Ratio Lower Upper
43 100
58 15.3 28.0 42.0#



#27
cis-1,2-Dichloroethene
Concen: 2.835 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN079833.D
Acq: 03 Nov 2023 08:19

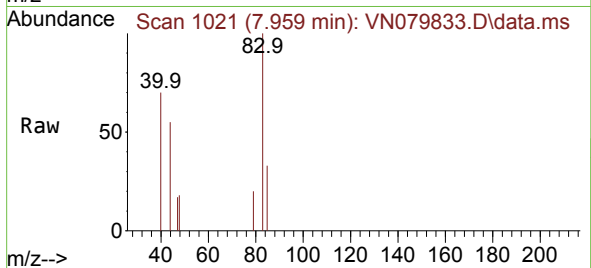
Tgt Ion: 96 Resp: 8849
Ion Ratio Lower Upper
96 100
61 131.9 0.0 255.2
98 74.0 0.0 128.8



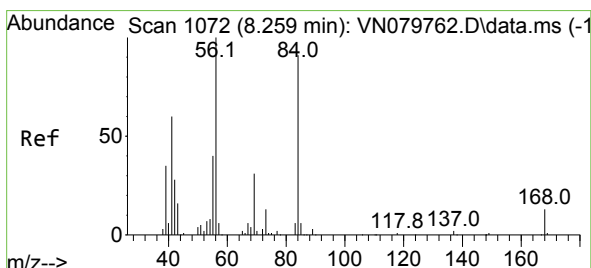
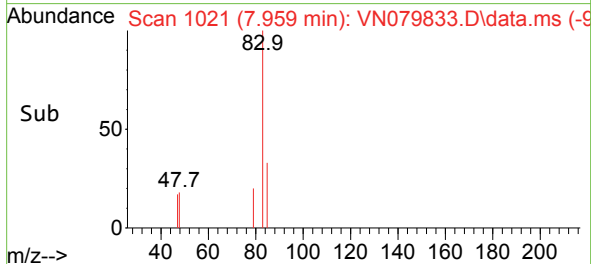
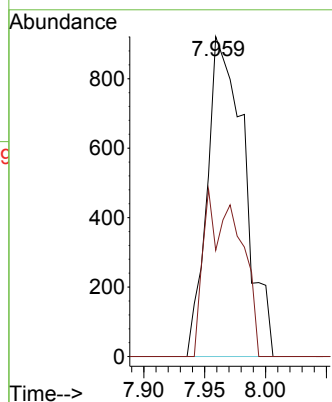


#30
Chloroform
Concen: 0.356 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.012 min
Lab File: VN079833.D
Acq: 03 Nov 2023 08:19

Instrument :
MSVOA_N
ClientSampleId :

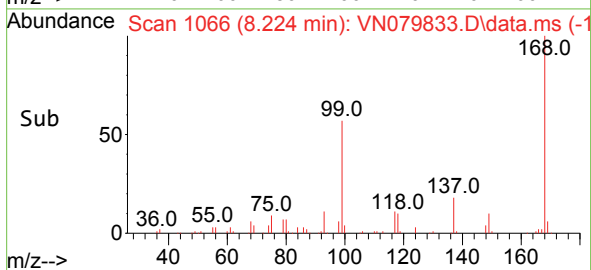
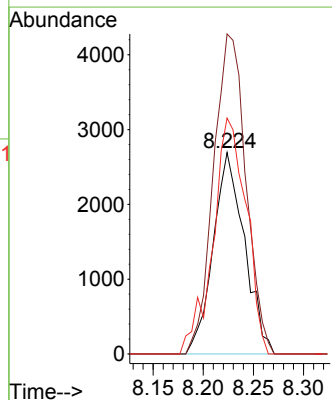
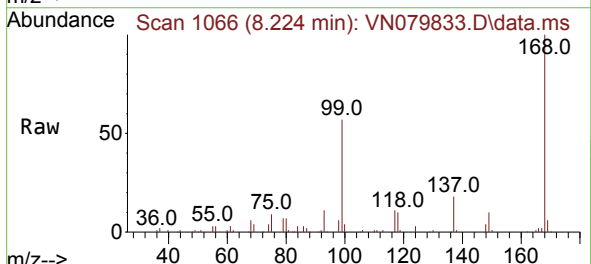


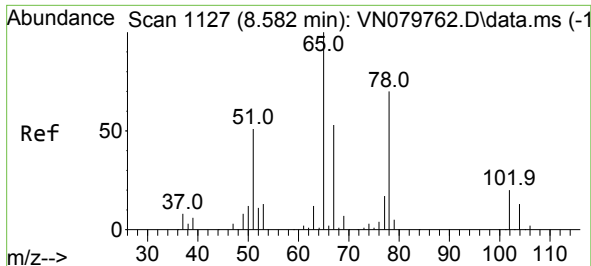
Tgt Ion: 83 Resp: 1950
Ion Ratio Lower Upper
83 100
85 33.2 55.4 83.0#



#31
Cyclohexane
Concen: 1.336 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN079833.D
Acq: 03 Nov 2023 08:19

Tgt Ion: 56 Resp: 5847
Ion Ratio Lower Upper
56 100
69 158.8 26.8 40.2#
84 117.0 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 59.461 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079833.D

Acq: 03 Nov 2023 08:19

Instrument :

MSVOA_N

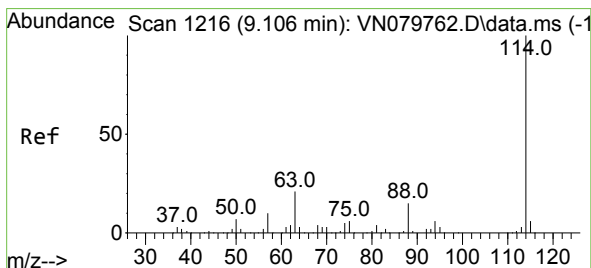
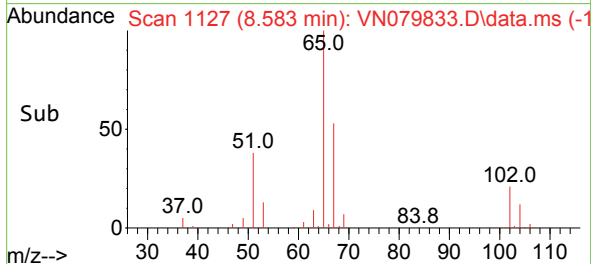
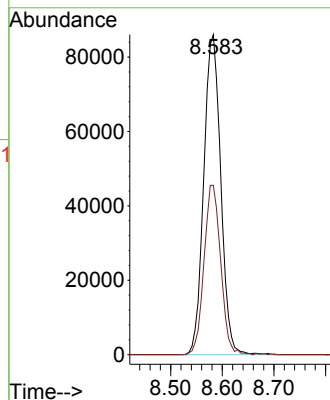
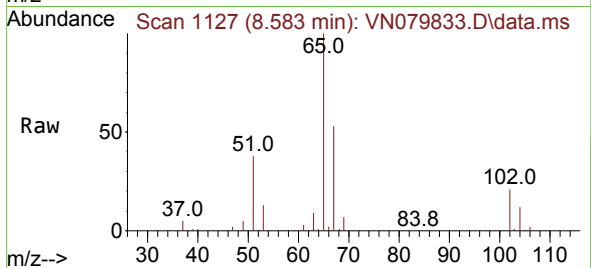
ClientSampleId :

Tgt Ion: 65 Resp: 196890

Ion Ratio Lower Upper

65 100

67 51.8 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.006 min

Lab File: VN079833.D

Acq: 03 Nov 2023 08:19

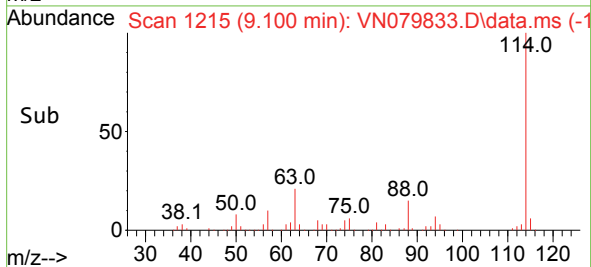
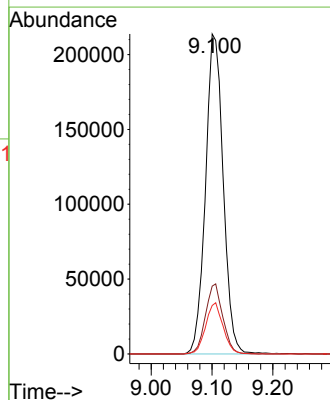
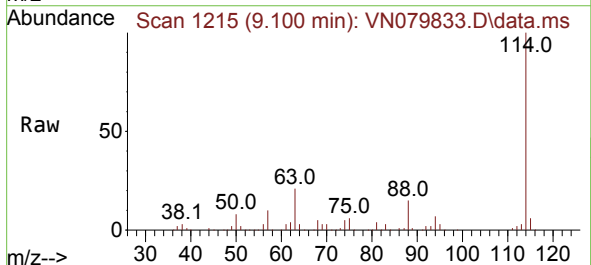
Tgt Ion: 114 Resp: 431833

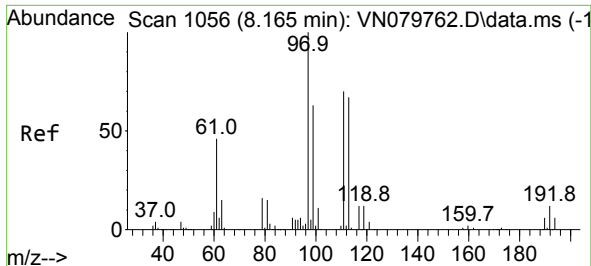
Ion Ratio Lower Upper

114 100

63 21.2 0.0 36.4

88 15.1 0.0 30.6

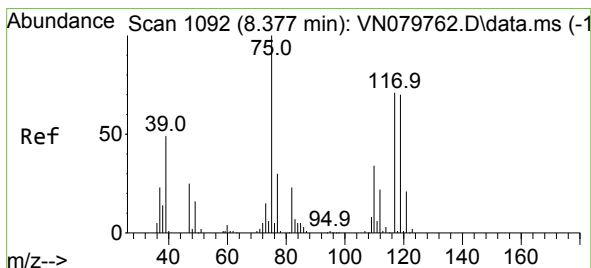
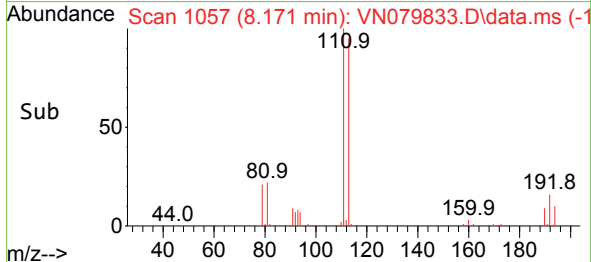
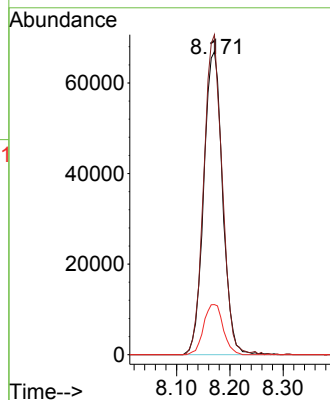
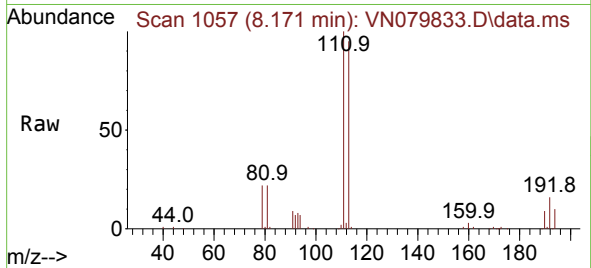




#35
Dibromofluoromethane
Concen: 53.782 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN079833.D
Acq: 03 Nov 2023 08:19

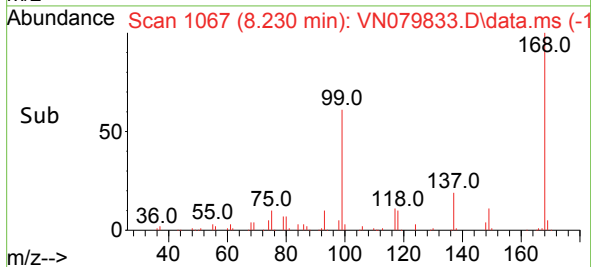
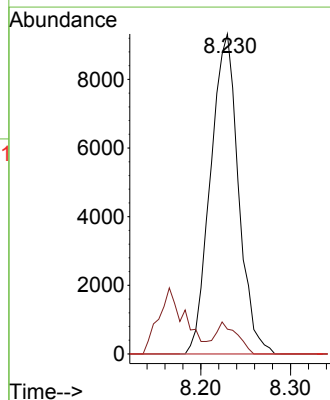
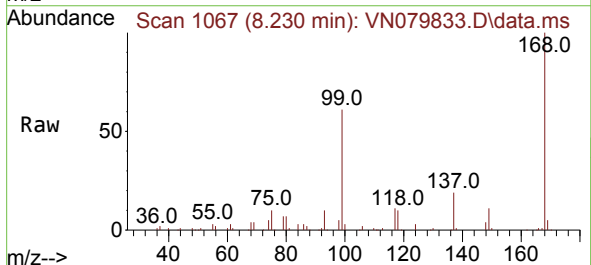
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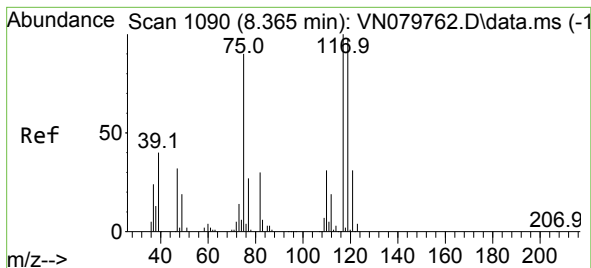
Tgt Ion:113 Resp: 164377
Ion Ratio Lower Upper
113 100
111 103.4 82.6 123.8
192 17.2 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.619 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN079833.D
Acq: 03 Nov 2023 08:19

Tgt Ion: 75 Resp: 20155
Ion Ratio Lower Upper
75 100
110 7.8 19.1 57.3#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.398 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.129 min

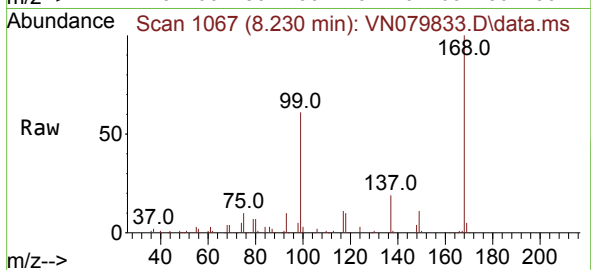
Lab File: VN079833.D

Acq: 03 Nov 2023 08:19

Instrument :

MSVOA_N

ClientSampleId :



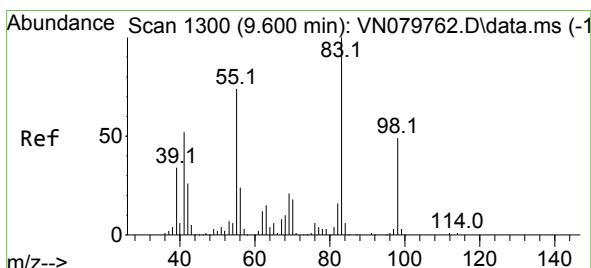
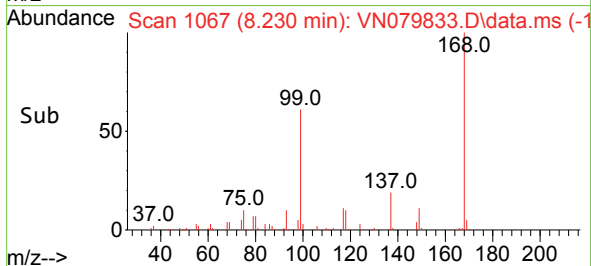
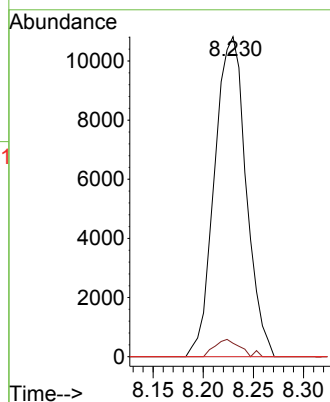
Tgt Ion:117 Resp: 23741

Ion Ratio Lower Upper

117 100

119 4.2 77.3 115.9#

121 0.0 23.3 34.9#



#39

Methylcyclohexane

Concen: 2.950 ug/l

RT: 9.347 min Scan# 1257

Delta R.T. -0.259 min

Lab File: VN079833.D

Acq: 03 Nov 2023 08:19

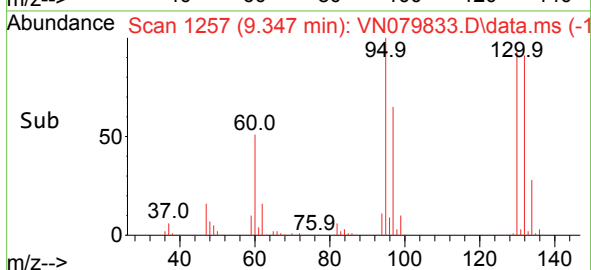
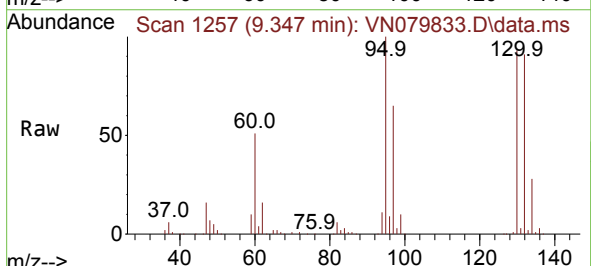
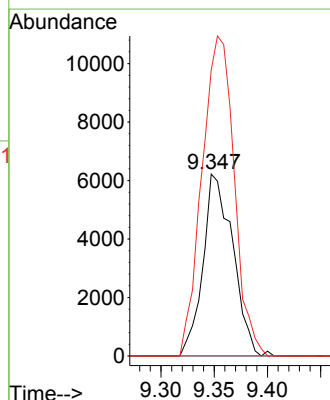
Tgt Ion: 83 Resp: 12115

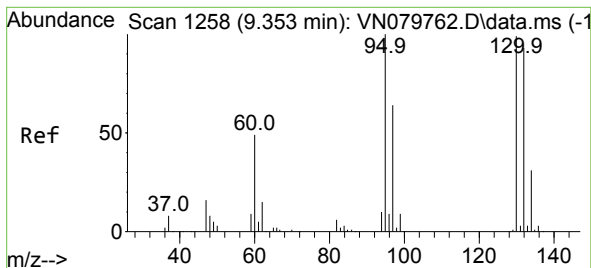
Ion Ratio Lower Upper

83 100

55 0.0 49.1 73.7#

98 157.2 40.6 61.0#





#44

Trichloroethene

Concen: 261.414 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VN079833.D

Acq: 03 Nov 2023 08:19

Instrument :

MSVOA_N

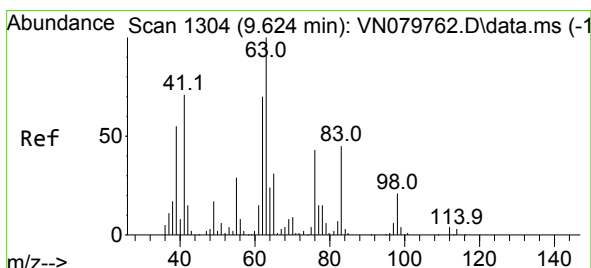
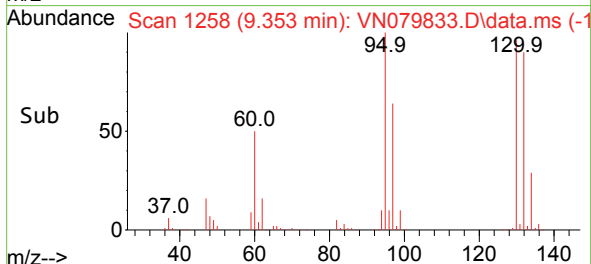
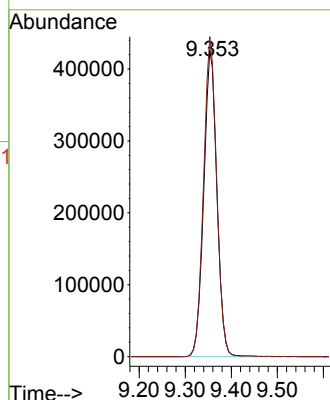
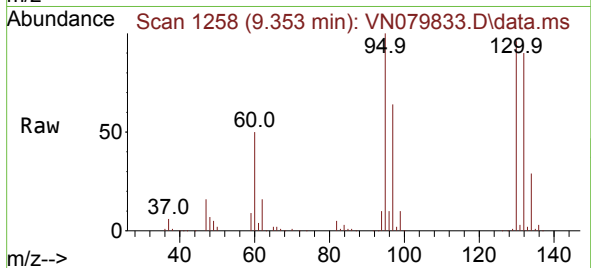
ClientSampleId :

Tgt Ion:130 Resp: 847869

Ion Ratio Lower Upper

130 100

95 104.4 0.0 204.6



#45

1,2-Dichloropropane

Concen: 1.058 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. -0.270 min

Lab File: VN079833.D

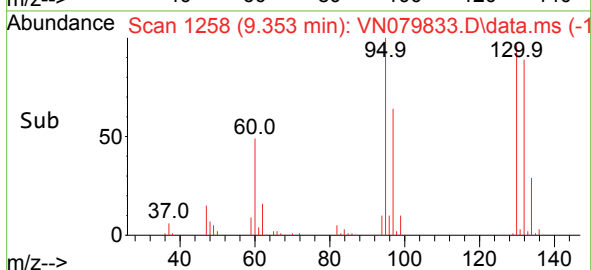
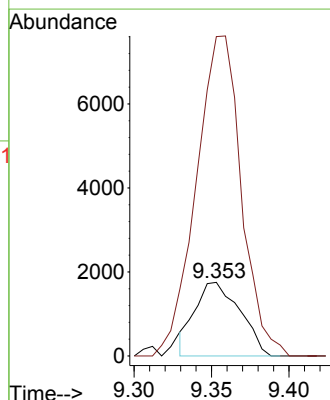
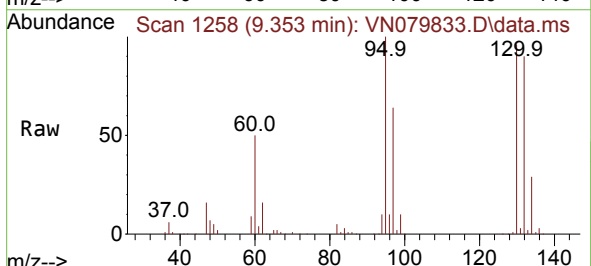
Acq: 03 Nov 2023 08:19

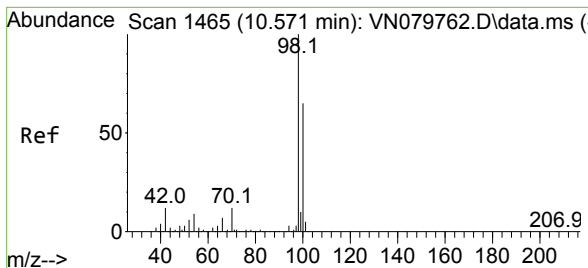
Tgt Ion: 63 Resp: 3535

Ion Ratio Lower Upper

63 100

65 419.6 23.9 35.9#





#50

Toluene-d8

Concen: 52.506 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN079833.D

Acq: 03 Nov 2023 08:19

Instrument :

MSVOA_N

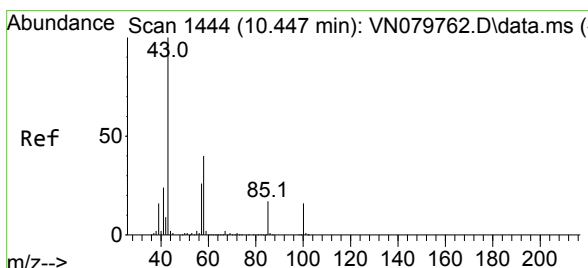
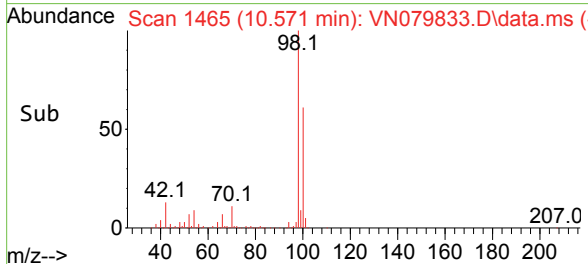
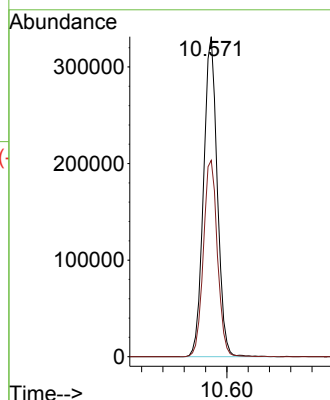
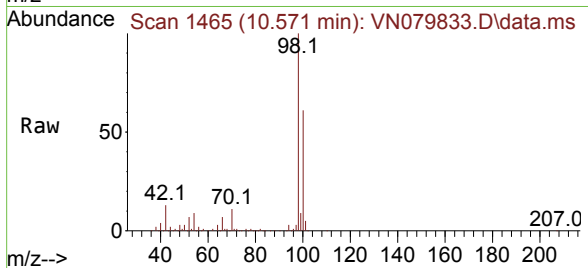
ClientSampleId :

Tgt Ion: 98 Resp: 590770

Ion Ratio Lower Upper

98 100

100 62.8 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 0.685 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.118 min

Lab File: VN079833.D

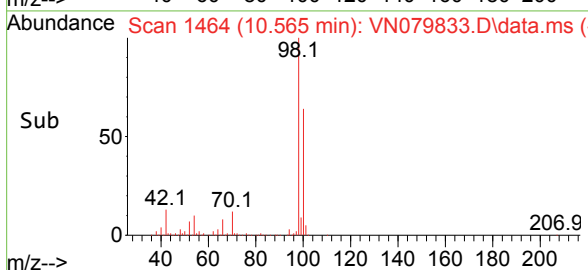
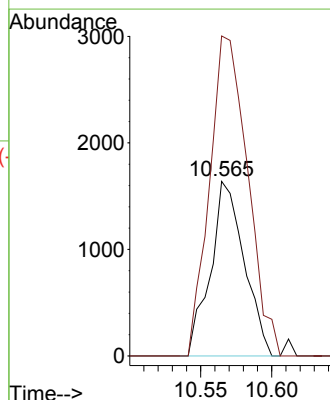
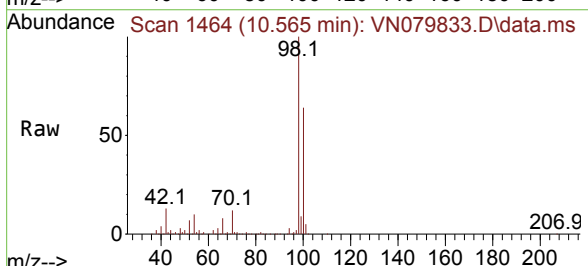
Acq: 03 Nov 2023 08:19

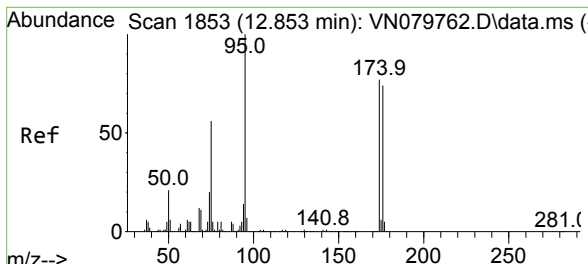
Tgt Ion: 43 Resp: 2705

Ion Ratio Lower Upper

43 100

58 207.4 36.6 54.8#

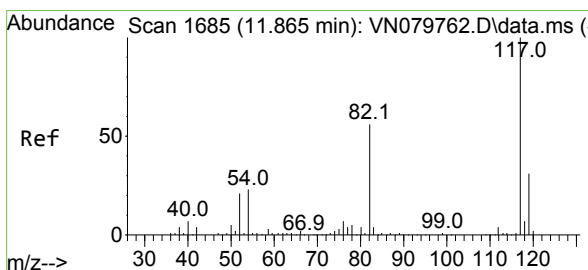
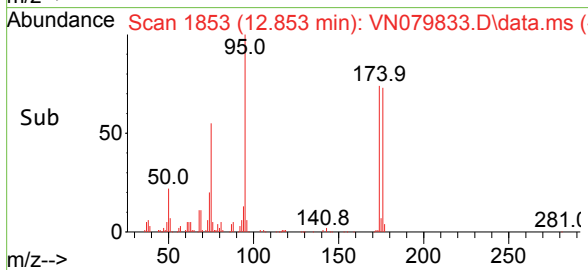
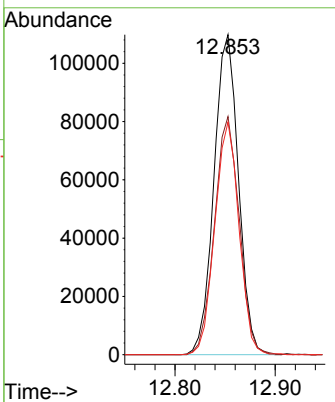
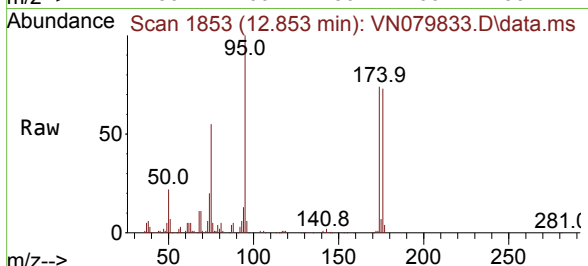




#62
 4-Bromofluorobenzene
 Concen: 49.748 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.000 min
 Lab File: VN079833.D
 Acq: 03 Nov 2023 08:19

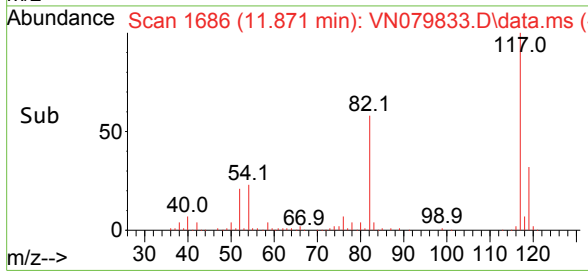
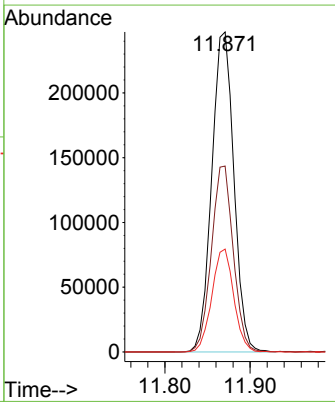
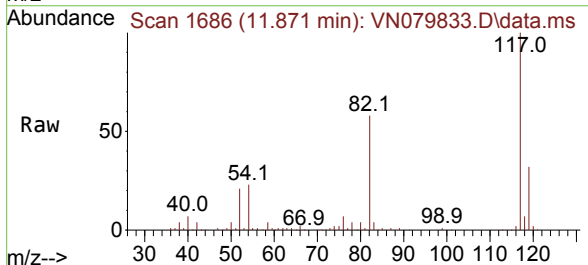
Instrument :
 MSVOA_N
 ClientSampleId :

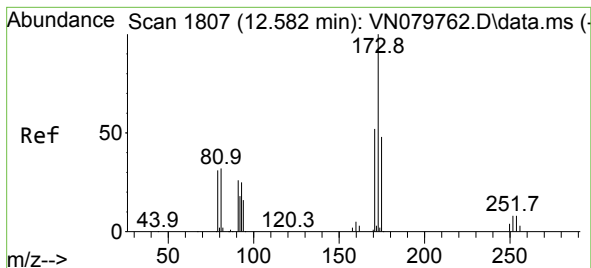
Tgt Ion:	95	Resp:	185638
Ion	Ratio	Lower	Upper
95	100		
174	75.5	0.0	143.8
176	71.8	0.0	135.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.871 min Scan# 1686
 Delta R.T. 0.000 min
 Lab File: VN079833.D
 Acq: 03 Nov 2023 08:19

Tgt Ion:	117	Resp:	445851
Ion	Ratio	Lower	Upper
117	100		
82	58.1	44.0	66.0
119	32.1	25.6	38.4





#71

Bromoform

Concen: 0.776 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.265 min

Lab File: VN079833.D

Acq: 03 Nov 2023 08:19

Instrument :

MSVOA_N

ClientSampleId :

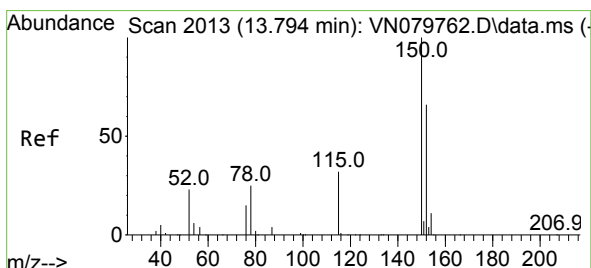
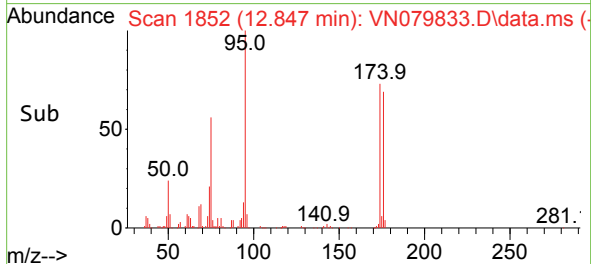
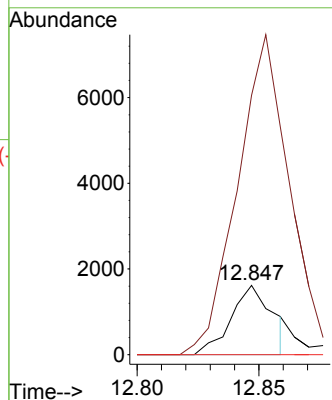
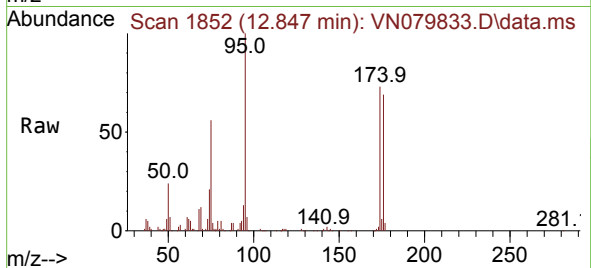
Tgt Ion:173 Resp: 1921

Ion Ratio Lower Upper

173 100

175 474.3 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: VN079833.D

Acq: 03 Nov 2023 08:19

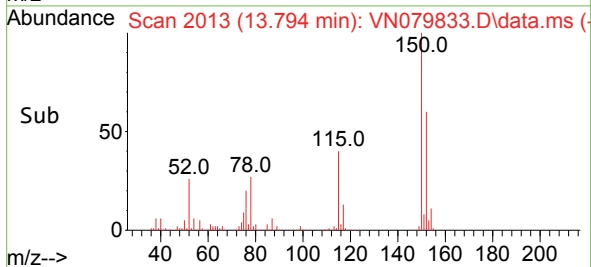
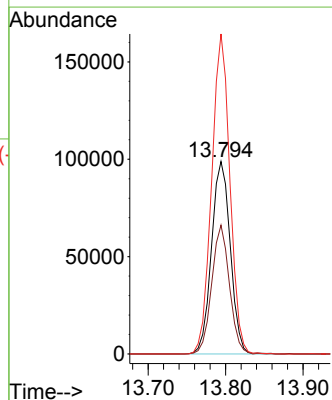
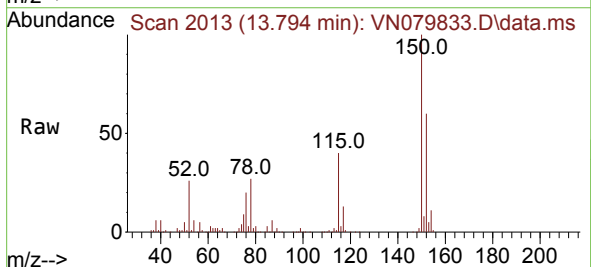
Tgt Ion:152 Resp: 166303

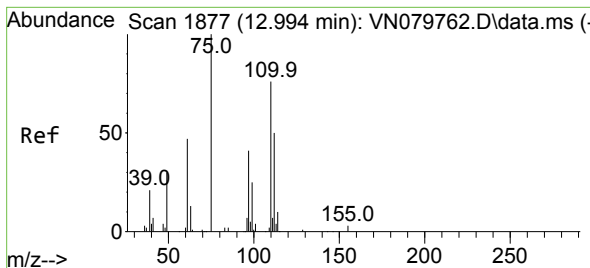
Ion Ratio Lower Upper

152 100

115 63.1 32.3 96.8

150 161.2 0.0 355.8





#76

1,2,3-Trichloropropane

Concen: 26.317 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN079833.D

Acq: 03 Nov 2023 08:19

Instrument :

MSVOA_N

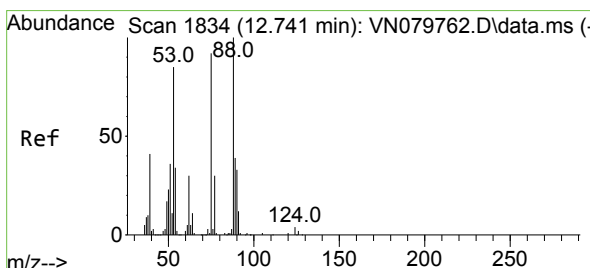
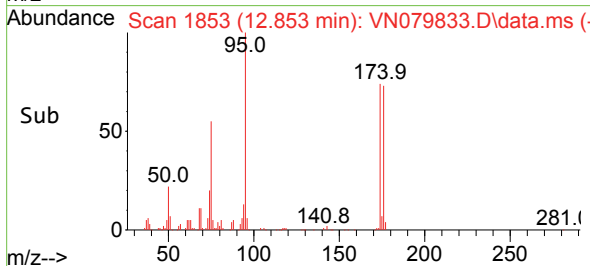
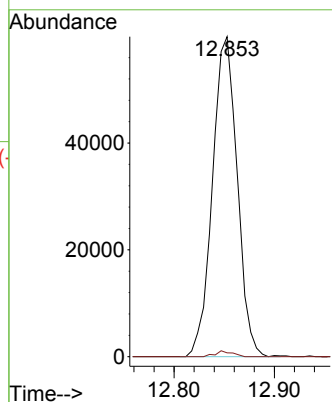
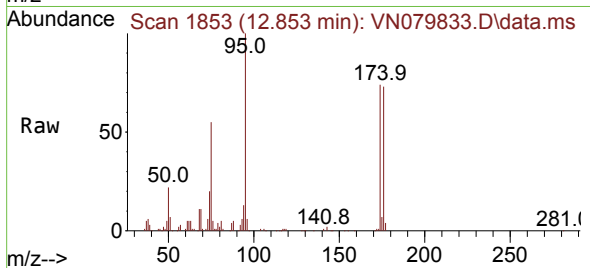
ClientSampleId :

Tgt Ion: 75 Resp: 102751

Ion Ratio Lower Upper

75 100

77 1.2 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 71.603 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.118 min

Lab File: VN079833.D

Acq: 03 Nov 2023 08:19

Tgt Ion: 75 Resp: 102751

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

89 0.0 38.8 58.2#

