

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081823\
 Data File : VN078956.D
 Acq On : 18 Aug 2023 20:49
 Operator : JC\MD
 Sample : 04042-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 18 23:49:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 16 02:42:02 2023
 Response via : Initial Calibration

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

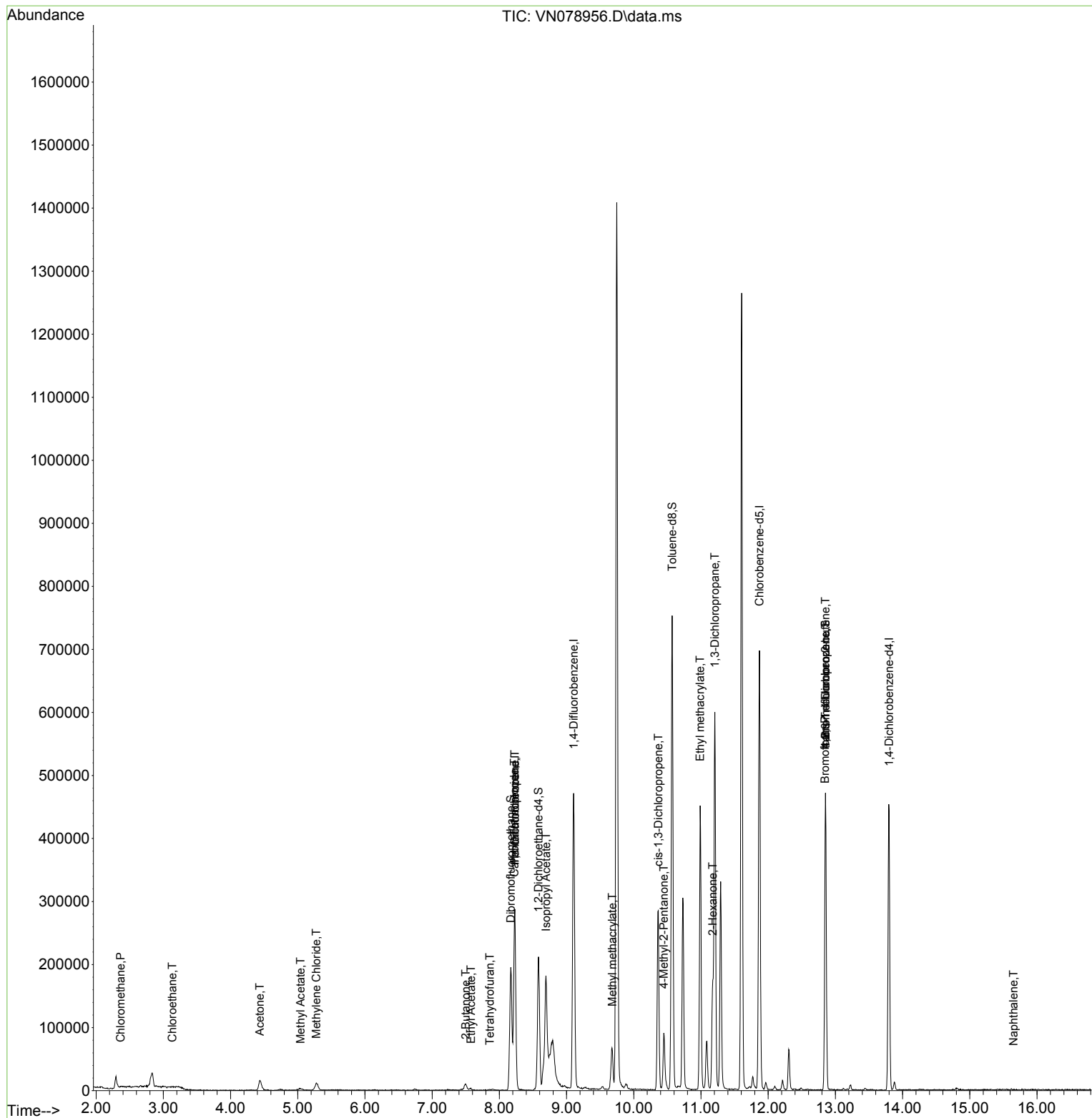
Internal Standards						
1) Pentafluorobenzene	8.230	168	202889	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	396544	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	384310	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	119305	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	163536	51.799	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.600%	
35) Dibromofluoromethane	8.171	113	134487	50.382	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.760%	
50) Toluene-d8	10.571	98	492761	49.716	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.440%	
62) 4-Bromofluorobenzene	12.853	95	149602	46.178	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 92.360%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	910	0.232	ug/l #	42
6) Chloroethane	3.136	64	1046	0.434	ug/l #	43
16) Acetone	4.436	43	31188	23.941	ug/l #	84
18) Methyl Acetate	5.042	43	6719	1.221	ug/l #	61
20) Methylene Chloride	5.277	84	8648	3.115	ug/l #	81
25) 2-Butanone	7.500	43	18073	8.653	ug/l #	74
29) Tetrahydrofuran	7.859	42	590	0.427	ug/l #	39
31) Cyclohexane	8.230	56	5086	Below Cal	#	16
36) 1,1-Dichloropropene	8.230	75	18072	4.501	ug/l #	42
37) Ethyl Acetate	7.577	43	3061	0.681	ug/l #	87
38) Carbon Tetrachloride	8.224	117	21703	5.394	ug/l #	17
43) Isopropyl Acetate	8.694	43	236529	29.787	ug/l #	70
48) Methyl methacrylate	9.682	41	5236	1.455	ug/l #	29
51) 4-Methyl-2-Pentanone	10.447	43	69181	14.689	ug/l #	79
54) cis-1,3-Dichloropropene	10.365	75	47936	9.590	ug/l #	74
56) Ethyl methacrylate	10.988	69	2222	0.491	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6180	1.183	ug/l #	42
59) 2-Hexanone	11.176	43	141756	41.556	ug/l #	19
71) Bromoform	12.847	173	967	0.430	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	82437	28.677	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	82437	73.257	ug/l #	15
95) Naphthalene	15.653	128	101	2.592	ug/l #	70

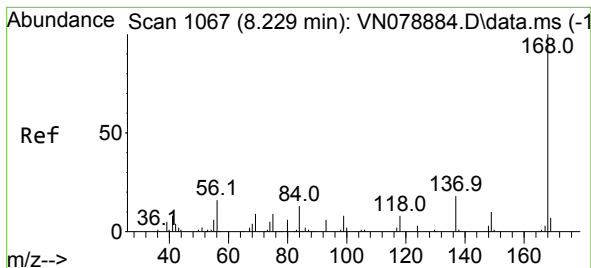
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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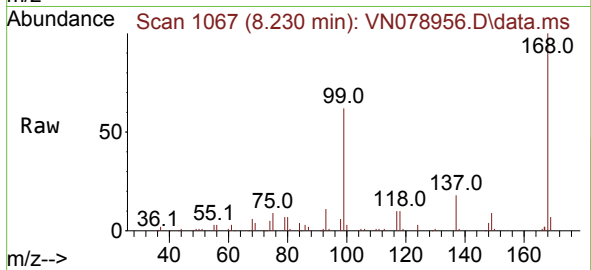
Quant Time: Aug 18 23:49:35 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 16 02:42:02 2023
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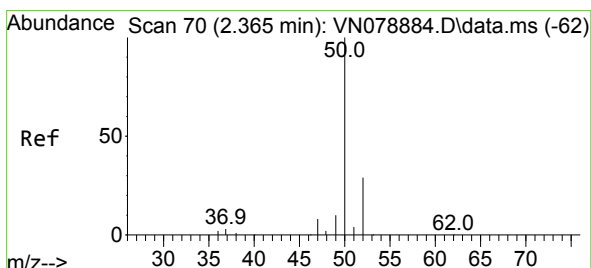
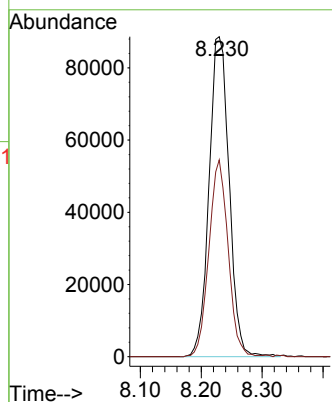
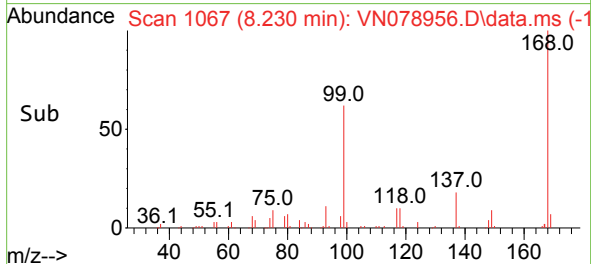


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN078956.D
Acq: 18 Aug 2023 20:49

Instrument :
MSVOA_N
ClientSampleId :

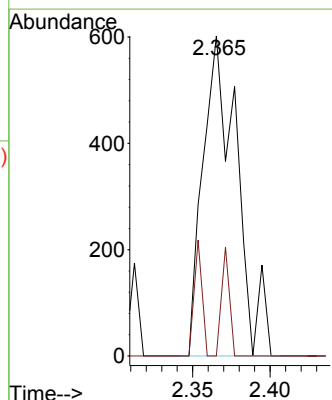
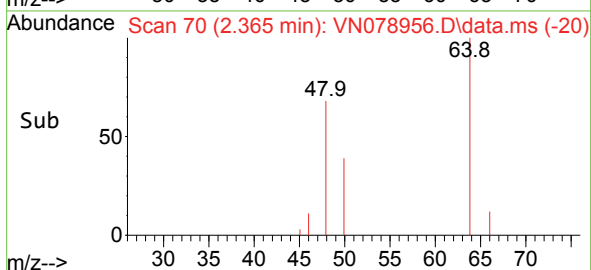
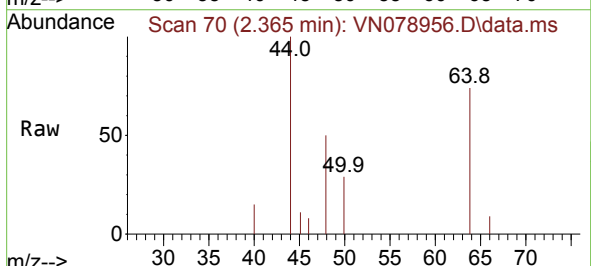


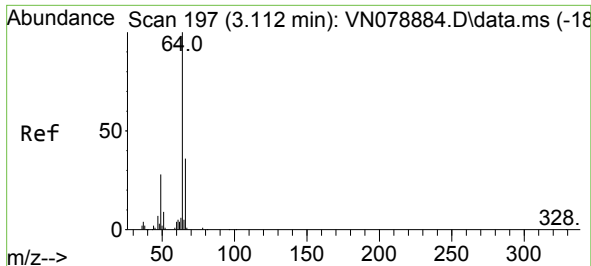
Tgt Ion:168 Resp: 202889
Ion Ratio Lower Upper
168 100
99 61.5 53.0 79.6



#3
Chloromethane
Concen: 0.232 ug/l
RT: 2.365 min Scan# 70
Delta R.T. -0.006 min
Lab File: VN078956.D
Acq: 18 Aug 2023 20:49

Tgt Ion: 50 Resp: 910
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

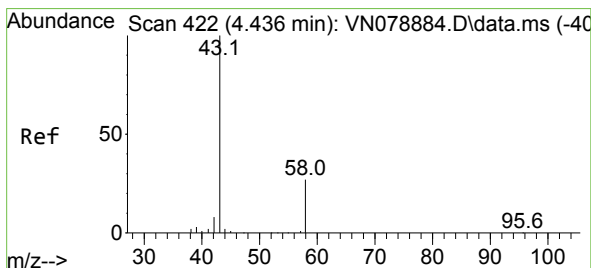
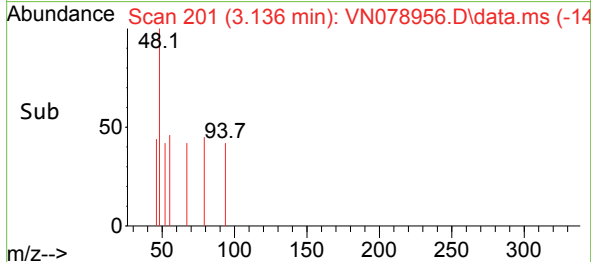
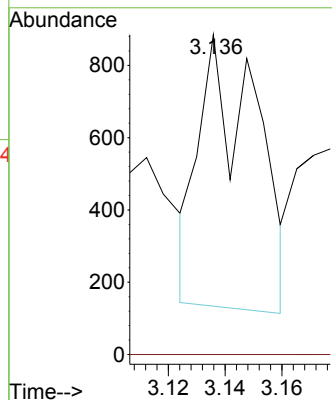
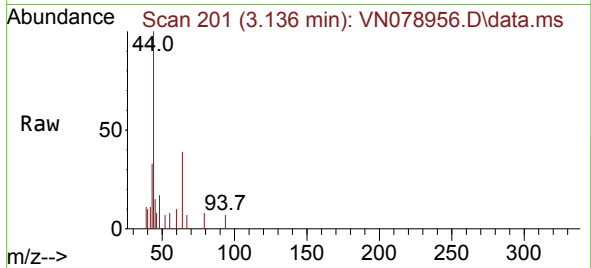




#6
Chloroethane
Concen: 0.434 ug/l
RT: 3.136 min Scan# 201
Delta R.T. 0.018 min
Lab File: VN078956.D
Acq: 18 Aug 2023 20:49

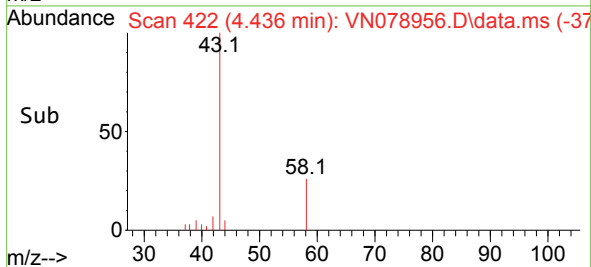
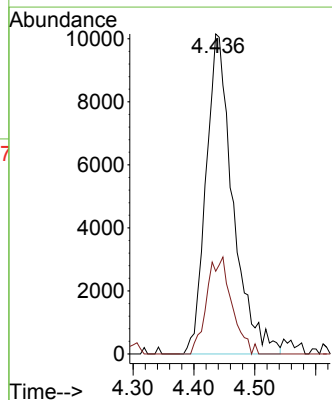
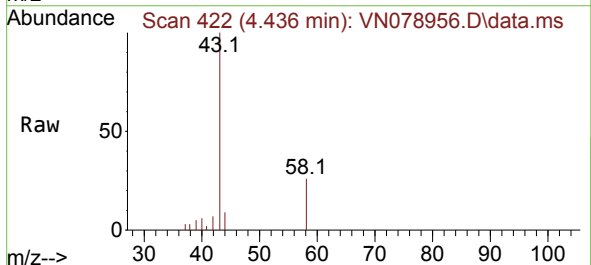
Instrument :
MSVOA_N
ClientSampleId :

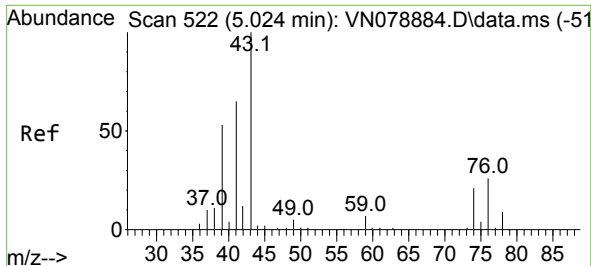
Tgt Ion: 64 Resp: 1046
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#16
Acetone
Concen: 23.941 ug/l
RT: 4.436 min Scan# 422
Delta R.T. -0.006 min
Lab File: VN078956.D
Acq: 18 Aug 2023 20:49

Tgt Ion: 43 Resp: 31188
Ion Ratio Lower Upper
43 100
58 25.9 28.0 42.0#

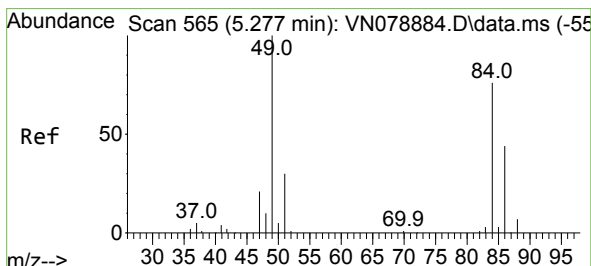
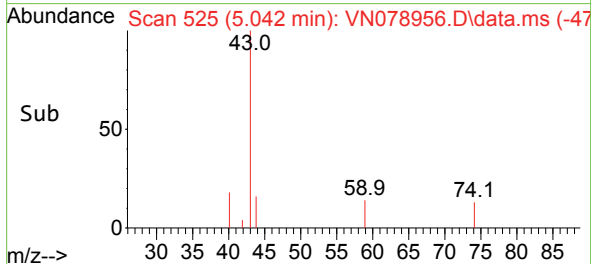
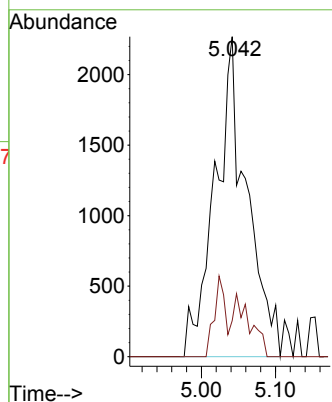
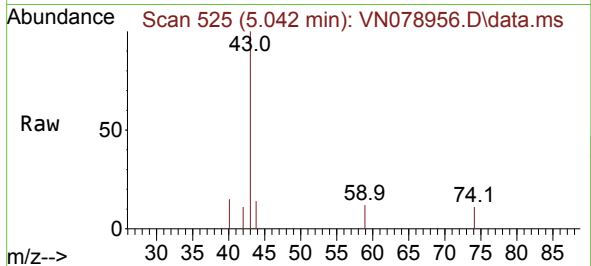




#18
Methyl Acetate
Concen: 1.221 ug/l
RT: 5.042 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN078956.D
Acq: 18 Aug 2023 20:49

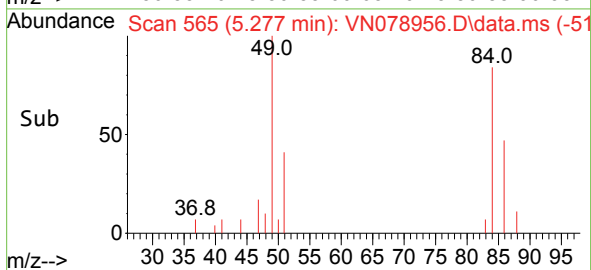
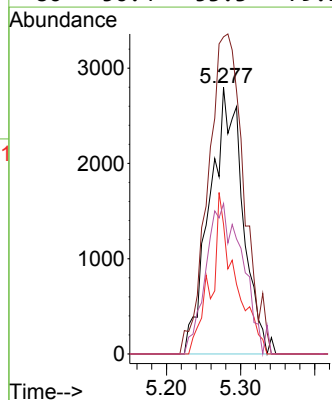
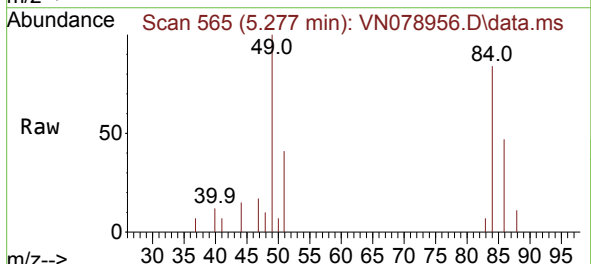
Instrument :
MSVOA_N
ClientSampleId :

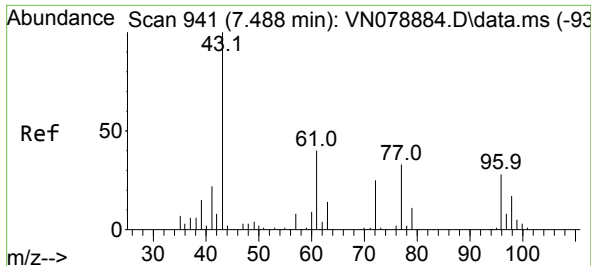
Tgt Ion: 43 Resp: 6719
Ion Ratio Lower Upper
43 100
74 10.9 26.2 39.4#



#20
Methylene Chloride
Concen: 3.115 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.006 min
Lab File: VN078956.D
Acq: 18 Aug 2023 20:49

Tgt Ion: 84 Resp: 8648
Ion Ratio Lower Upper
84 100
49 118.9 79.7 119.5
51 48.5 25.2 37.8#
86 56.4 53.3 79.9





#25

2-Butanone

Concen: 8.653 ug/l

RT: 7.500 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN078956.D

Acq: 18 Aug 2023 20:49

Instrument :

MSVOA_N

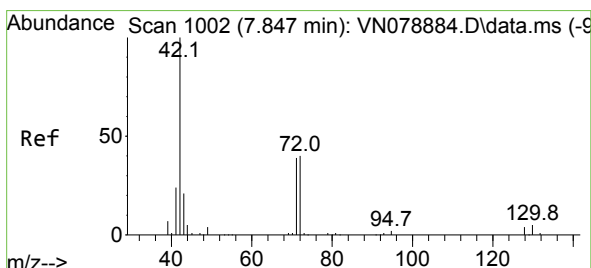
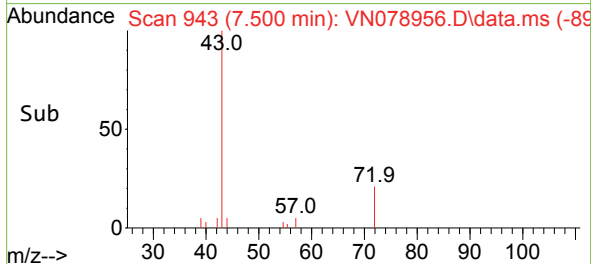
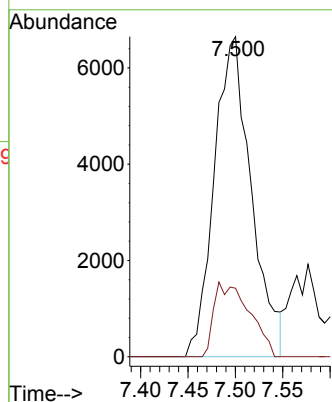
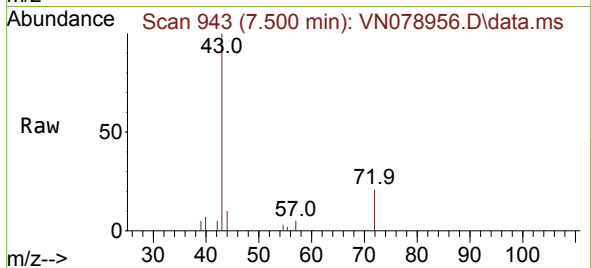
ClientSampleId :

Tgt Ion: 43 Resp: 18073

Ion Ratio Lower Upper

43 100

72 22.2 30.2 45.2#



#29

Tetrahydrofuran

Concen: 0.427 ug/l

RT: 7.859 min Scan# 1004

Delta R.T. 0.012 min

Lab File: VN078956.D

Acq: 18 Aug 2023 20:49

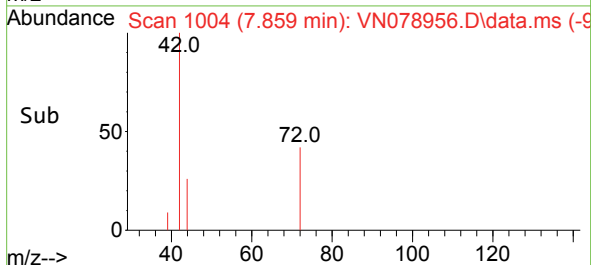
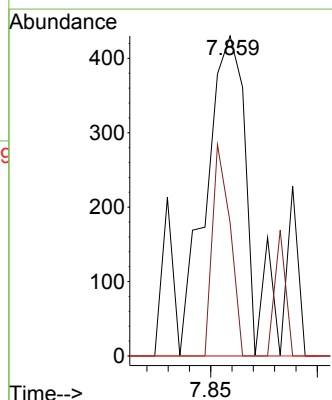
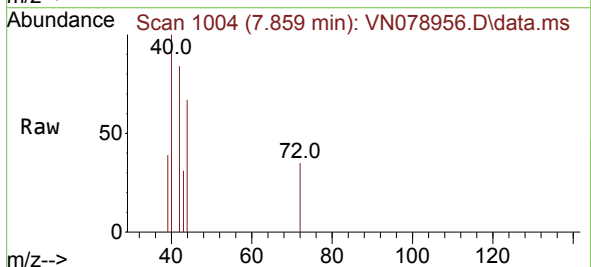
Tgt Ion: 42 Resp: 590

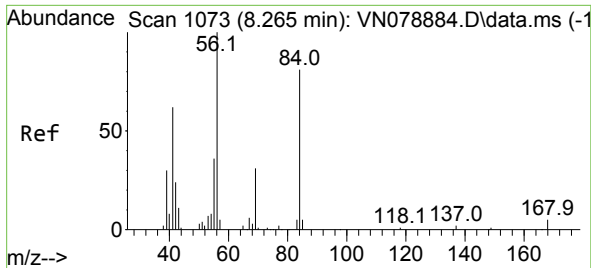
Ion Ratio Lower Upper

42 100

72 27.6 49.8 74.6#

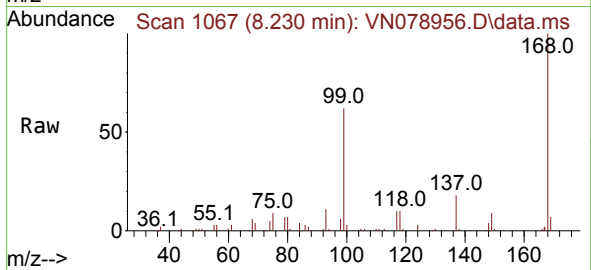
71 0.0 47.4 71.2#



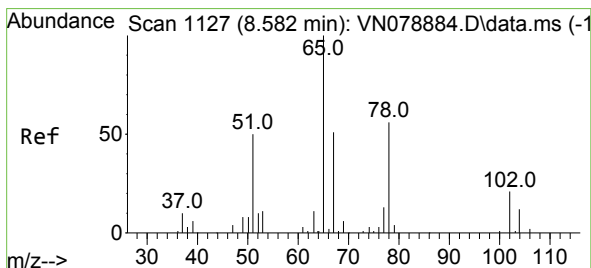
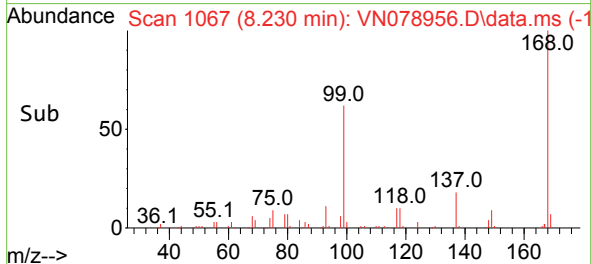
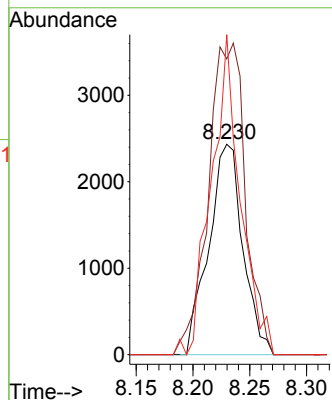


#31
Cyclohexane
Concen: Below Cal
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN078956.D
Acq: 18 Aug 2023 20:49

Instrument :
MSVOA_N
ClientSampleId :

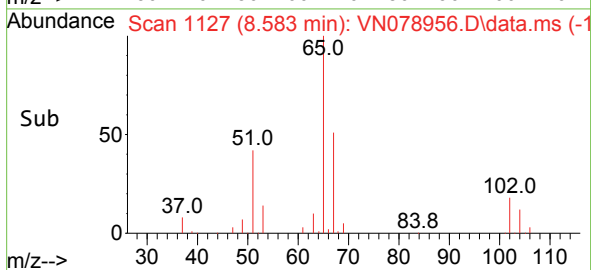
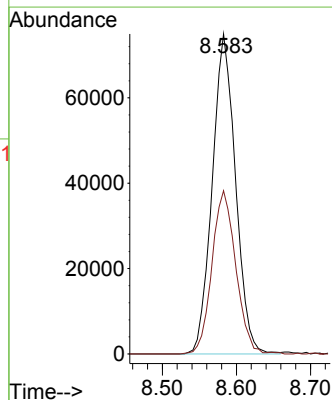
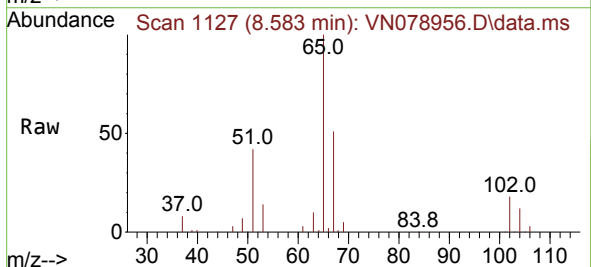


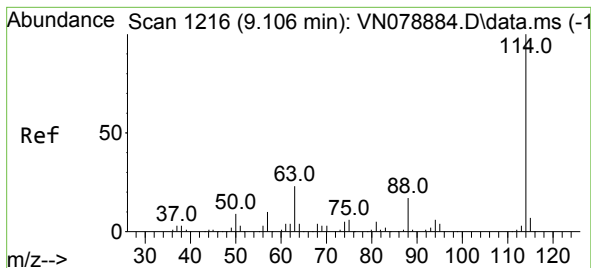
Tgt Ion: 56 Resp: 5086
Ion Ratio Lower Upper
56 100
69 140.5 26.8 40.2#
84 152.1 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 51.799 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN078956.D
Acq: 18 Aug 2023 20:49

Tgt Ion: 65 Resp: 163536
Ion Ratio Lower Upper
65 100
67 52.1 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN078956.D

Acq: 18 Aug 2023 20:49

Instrument :

MSVOA_N

ClientSampleId :

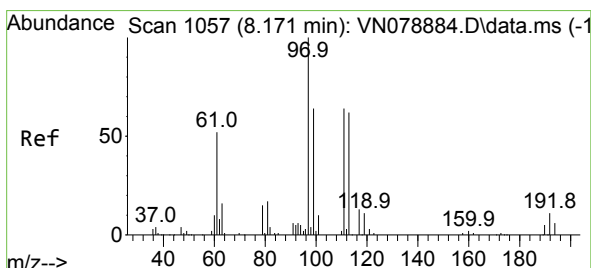
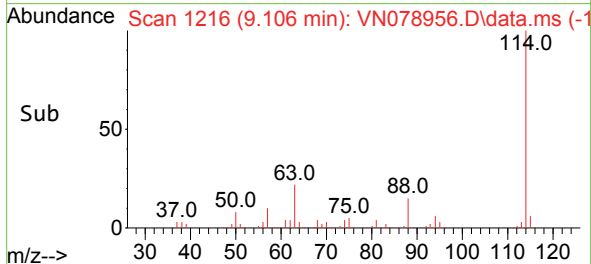
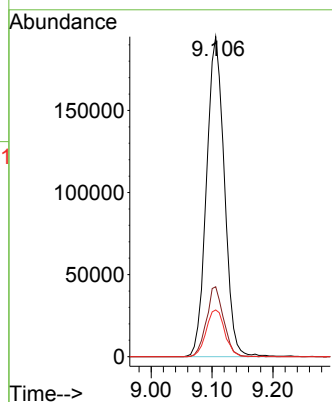
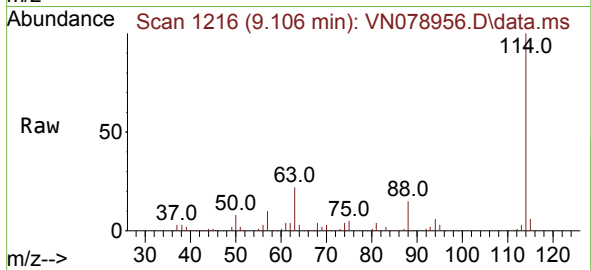
Tgt Ion:114 Resp: 396544

Ion Ratio Lower Upper

114 100

63 21.9 0.0 36.4

88 14.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 50.382 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN078956.D

Acq: 18 Aug 2023 20:49

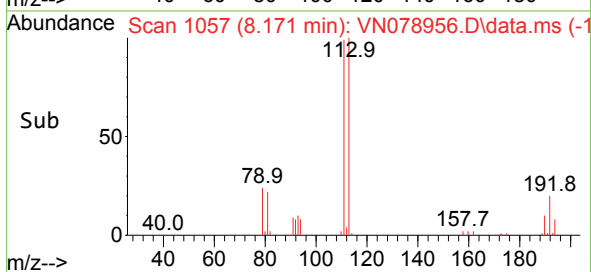
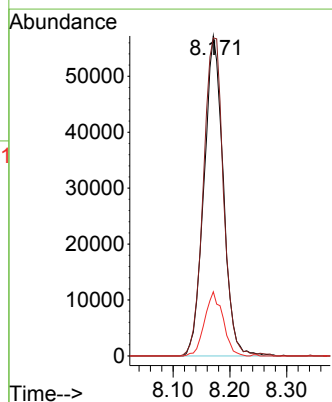
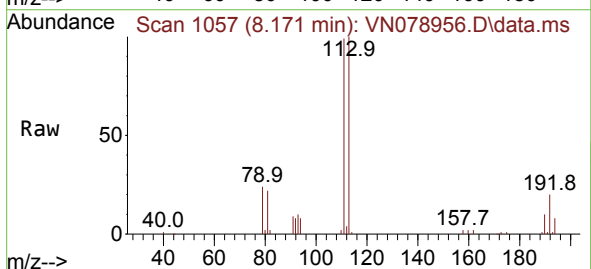
Tgt Ion:113 Resp: 134487

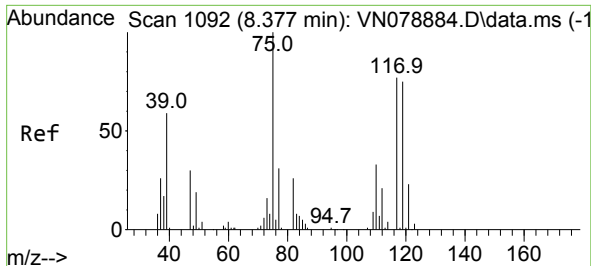
Ion Ratio Lower Upper

113 100

111 103.2 82.6 123.8

192 19.1 12.7 19.1#





#36

1,1-Dichloropropene

Concen: 4.501 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

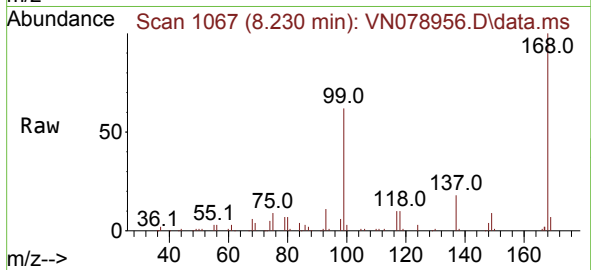
Lab File: VN078956.D

Acq: 18 Aug 2023 20:49

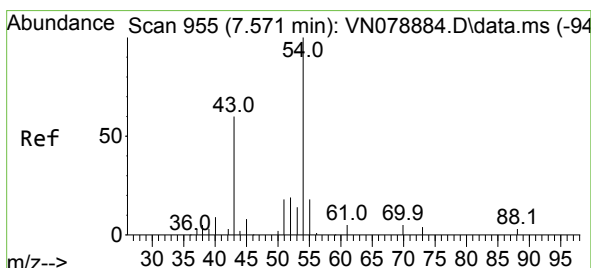
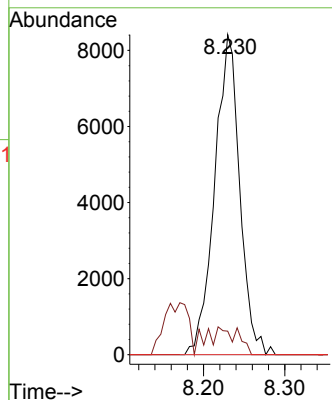
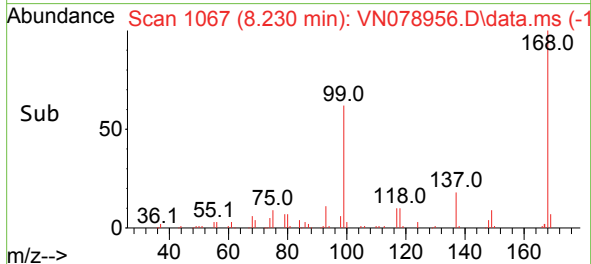
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 75	Resp: 18072
Ion Ratio	Lower Upper
75	100
110	2.5 19.1 57.3#
77	0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 0.681 ug/l

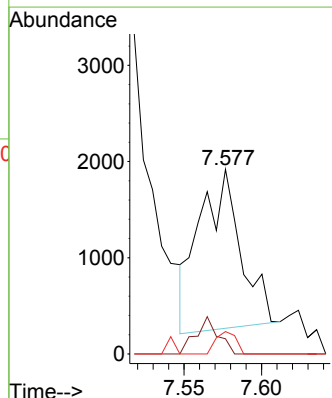
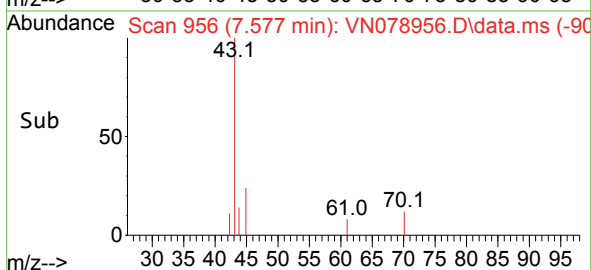
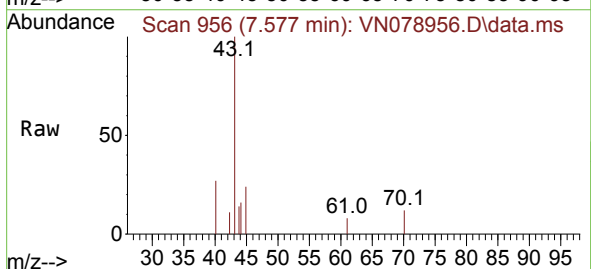
RT: 7.577 min Scan# 956

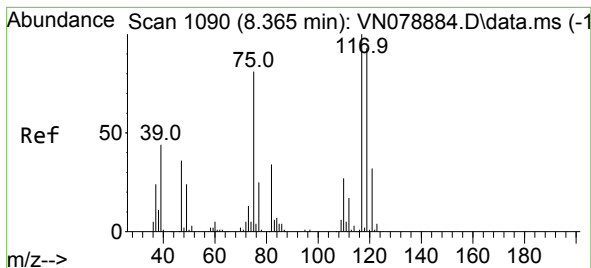
Delta R.T. 0.006 min

Lab File: VN078956.D

Acq: 18 Aug 2023 20:49

Tgt Ion: 43	Resp: 3061
Ion Ratio	Lower Upper
43	100
61	12.6 13.2 19.8#
70	6.8 11.3 16.9#





#38

Carbon Tetrachloride

Concen: 5.394 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

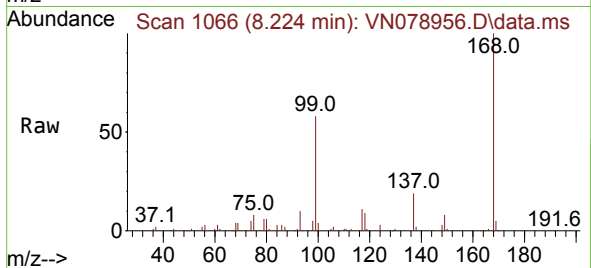
Lab File: VN078956.D

Acq: 18 Aug 2023 20:49

Instrument :

MSVOA_N

ClientSampleId :



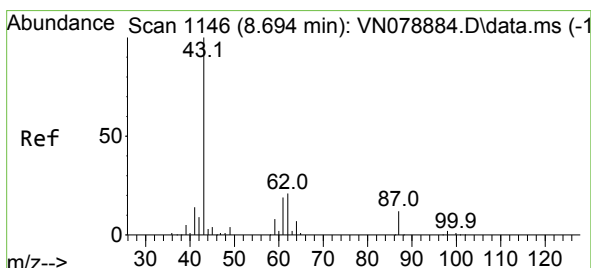
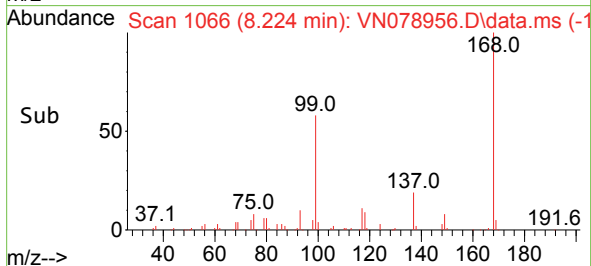
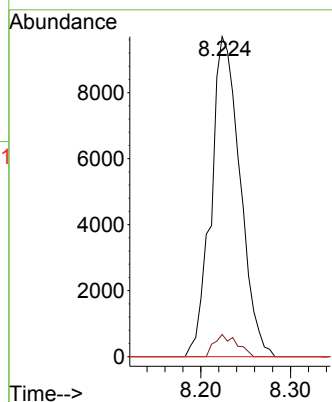
Tgt Ion:117 Resp: 21703

Ion Ratio Lower Upper

117 100

119 6.9 77.3 115.9#

121 0.0 23.3 34.9#



#43

Isopropyl Acetate

Concen: 29.787 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN078956.D

Acq: 18 Aug 2023 20:49

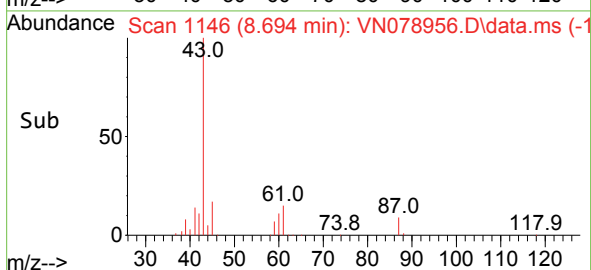
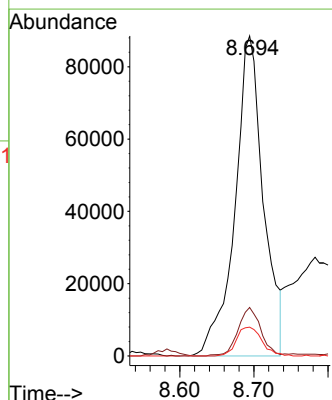
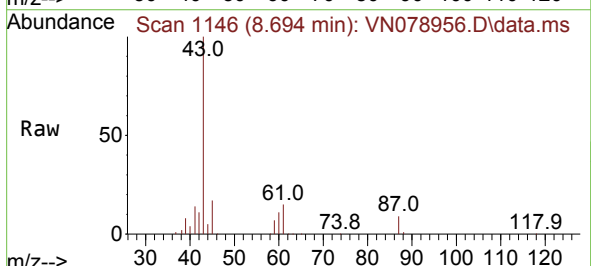
Tgt Ion: 43 Resp: 236529

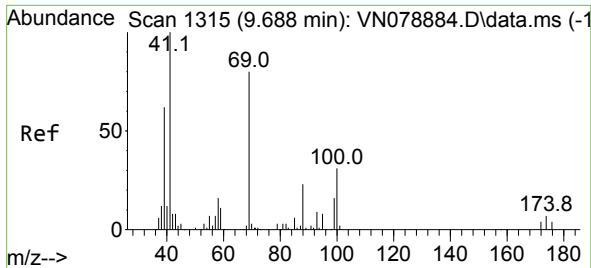
Ion Ratio Lower Upper

43 100

61 12.2 24.7 37.1#

87 8.0 14.6 21.8#

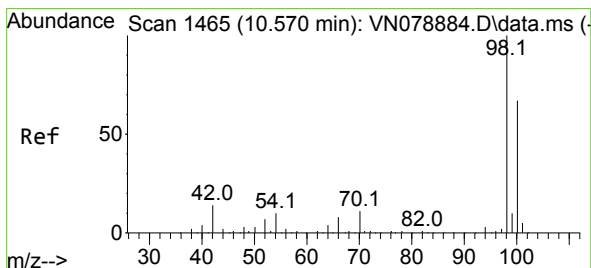
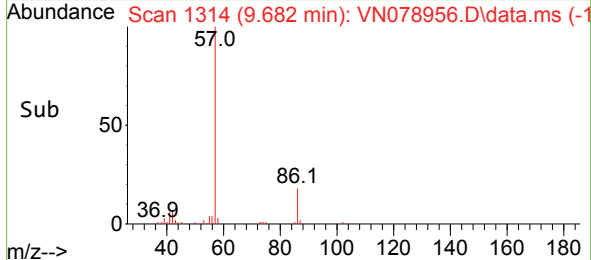
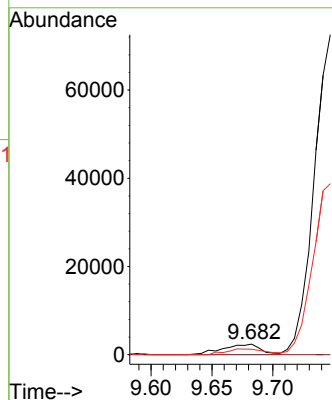
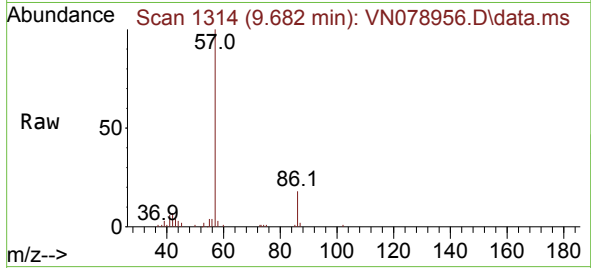




#48
Methyl methacrylate
Concen: 1.455 ug/l
RT: 9.682 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN078956.D
Acq: 18 Aug 2023 20:49

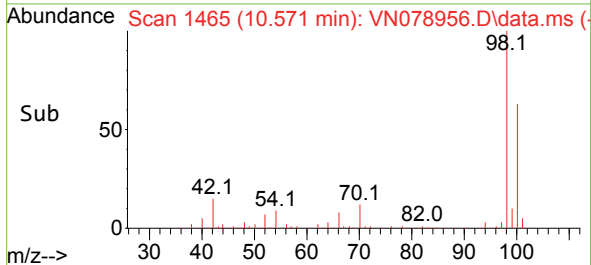
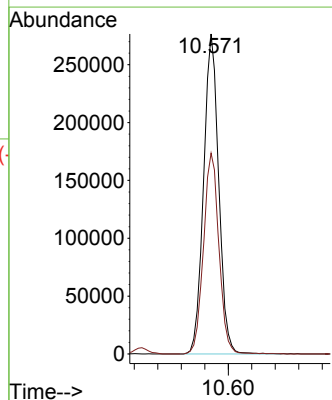
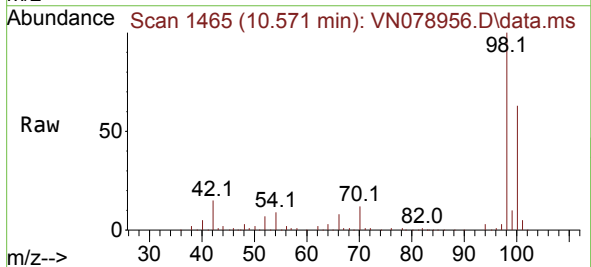
Instrument :
MSVOA_N
ClientSampleId :

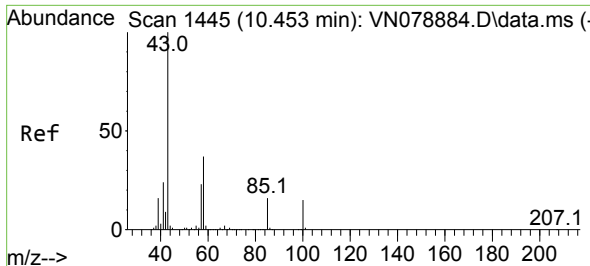
Tgt Ion: 41 Resp: 5236
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 56.2 54.6 81.8



#50
Toluene-d8
Concen: 49.716 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078956.D
Acq: 18 Aug 2023 20:49

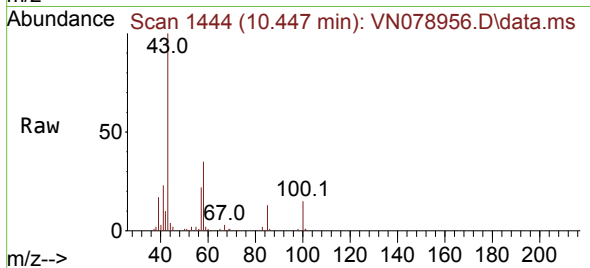
Tgt Ion: 98 Resp: 492761
Ion Ratio Lower Upper
98 100
100 63.9 52.0 78.0



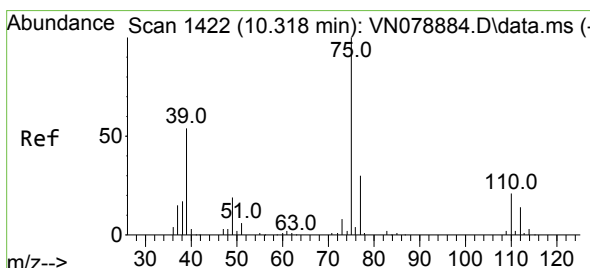
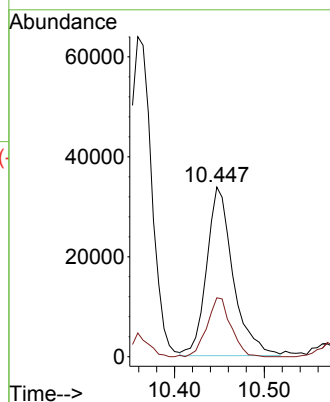
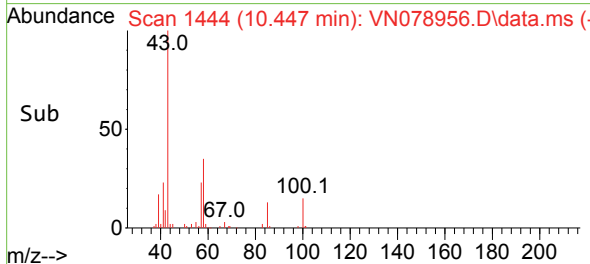


#51
4-Methyl-2-Pentanone
Concen: 14.689 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN078956.D
Acq: 18 Aug 2023 20:49

Instrument :
MSVOA_N
ClientSampleId :

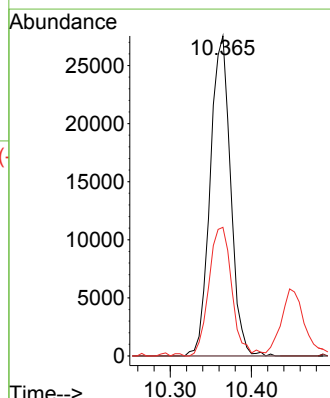
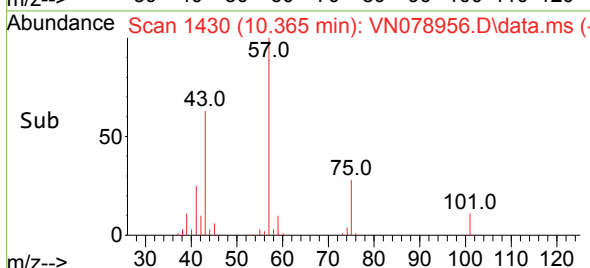
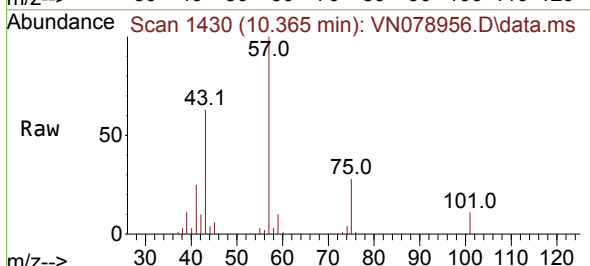


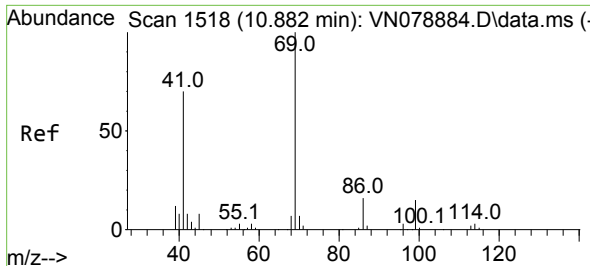
Tgt Ion: 43 Resp: 69181
Ion Ratio Lower Upper
43 100
58 31.6 36.6 54.8#



#54
cis-1,3-Dichloropropene
Concen: 9.590 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. 0.047 min
Lab File: VN078956.D
Acq: 18 Aug 2023 20:49

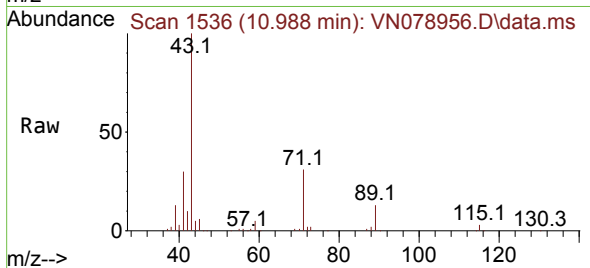
Tgt Ion: 75 Resp: 47936
Ion Ratio Lower Upper
75 100
77 0.0 26.1 39.1#
39 39.5 31.6 47.4



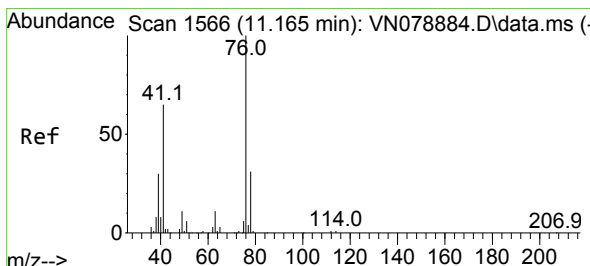
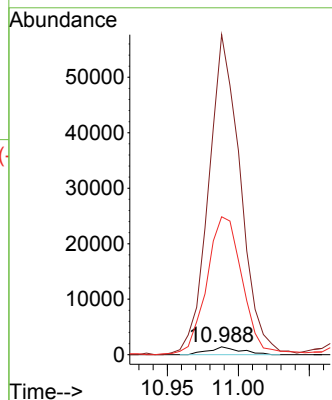
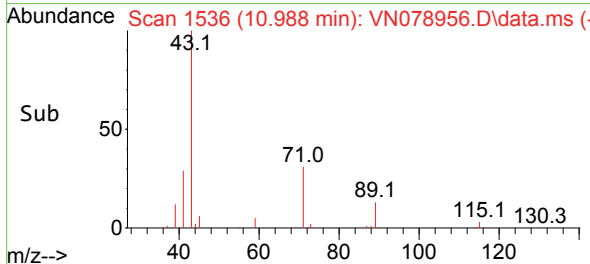


#56
Ethyl methacrylate
Concen: 0.491 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.111 min
Lab File: VN078956.D
Acq: 18 Aug 2023 20:49

Instrument :
MSVOA_N
ClientSampleId :

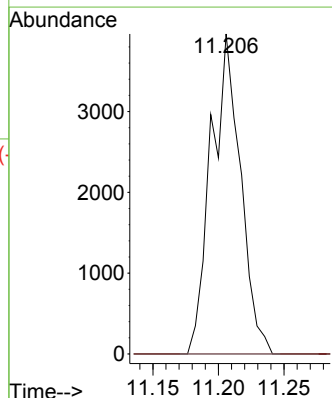
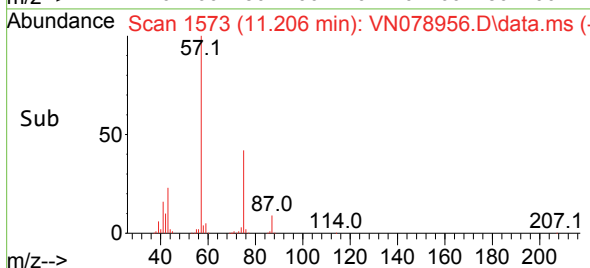
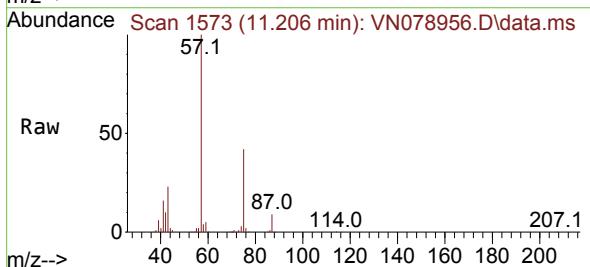


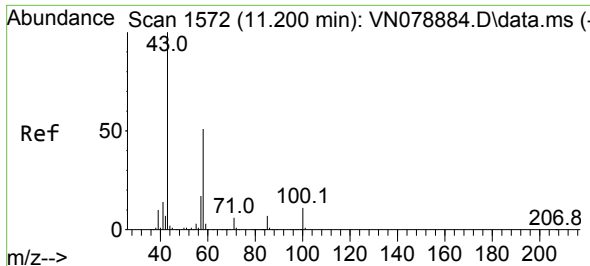
Tgt Ion: 69 Resp: 2222
Ion Ratio Lower Upper
69 100
41 4037.4 39.6 59.4#
39 1962.9 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.183 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN078956.D
Acq: 18 Aug 2023 20:49

Tgt Ion: 76 Resp: 6180
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

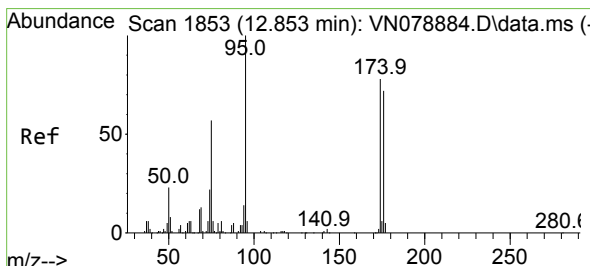
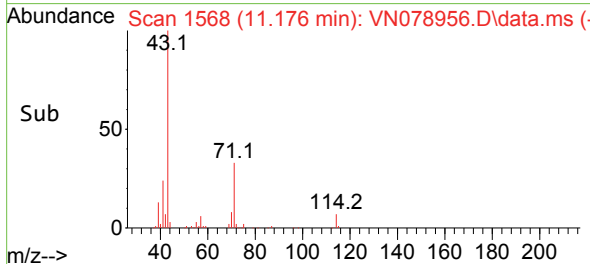
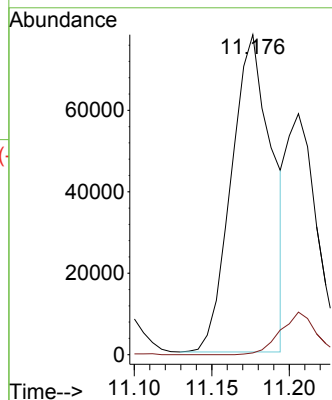
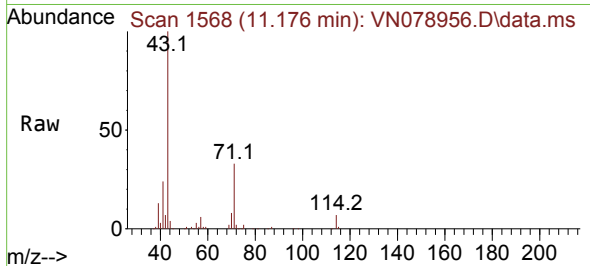




#59
2-Hexanone
Concen: 41.556 ug/l
RT: 11.176 min Scan# 11176
Delta R.T. -0.024 min
Lab File: VN078956.D
Acq: 18 Aug 2023 20:49

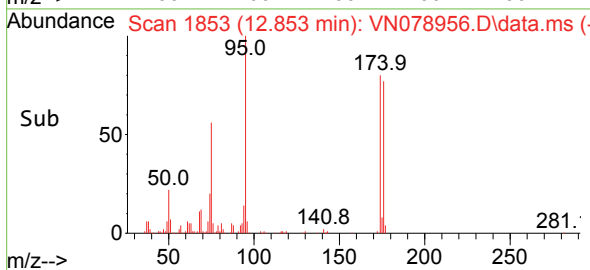
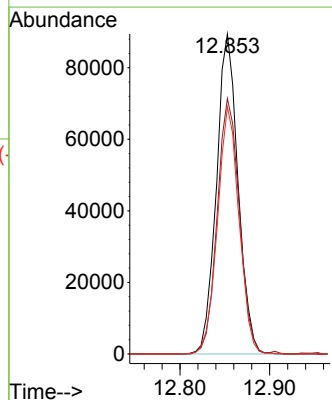
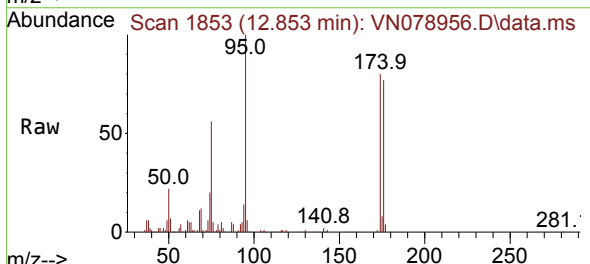
Instrument :
MSVOA_N
ClientSampleId :

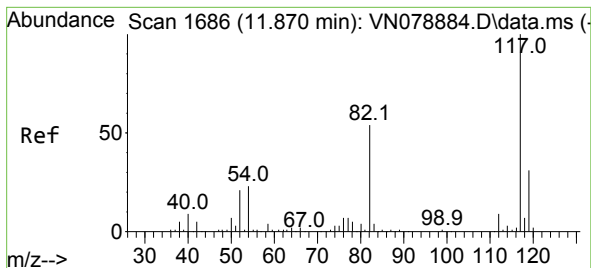
Tgt Ion: 43 Resp: 141756
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 46.178 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078956.D
Acq: 18 Aug 2023 20:49

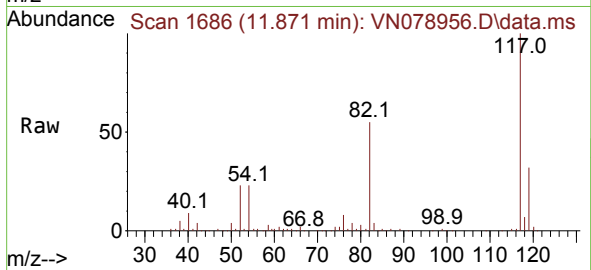
Tgt Ion: 95 Resp: 149602
Ion Ratio Lower Upper
95 100
174 81.8 0.0 143.8
176 76.9 0.0 135.8



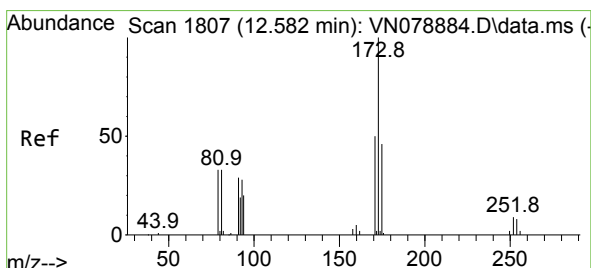
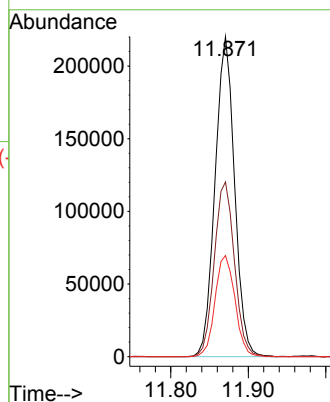
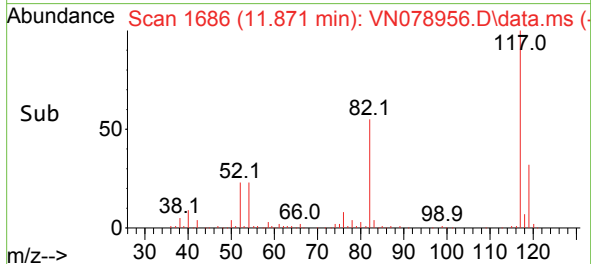


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN078956.D
Acq: 18 Aug 2023 20:49

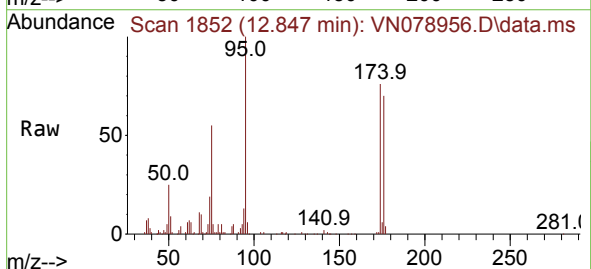
Instrument :
MSVOA_N
ClientSampleId :



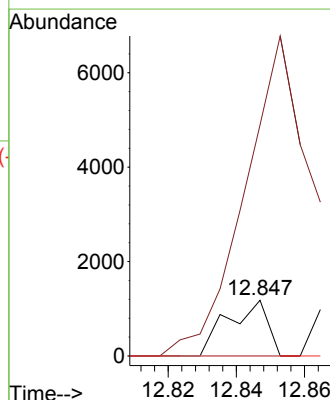
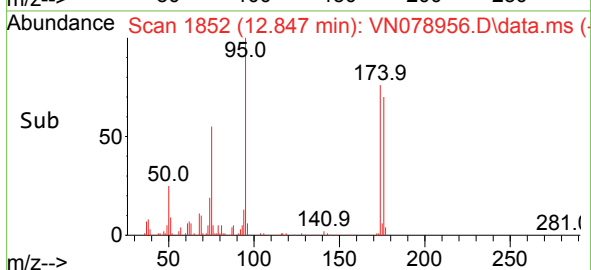
Tgt Ion:117 Resp: 384310
Ion Ratio Lower Upper
117 100
82 54.6 44.0 66.0
119 31.6 25.6 38.4

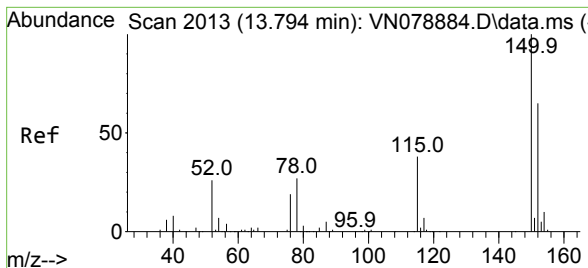


#71
Bromoform
Concen: 0.430 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN078956.D
Acq: 18 Aug 2023 20:49



Tgt Ion:173 Resp: 967
Ion Ratio Lower Upper
173 100
175 783.5 24.3 73.0#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2013

Delta R.T. 0.006 min

Lab File: VN078956.D

Acq: 18 Aug 2023 20:49

Instrument :

MSVOA_N

ClientSampleId :

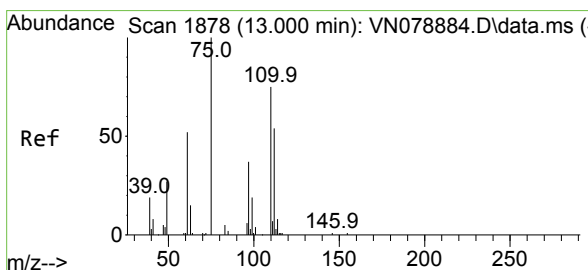
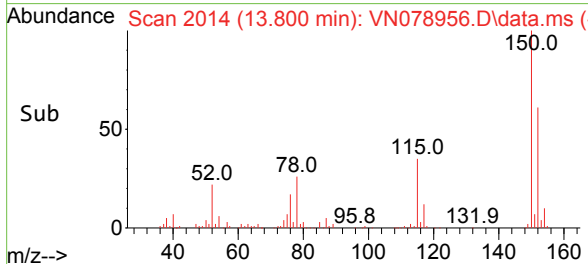
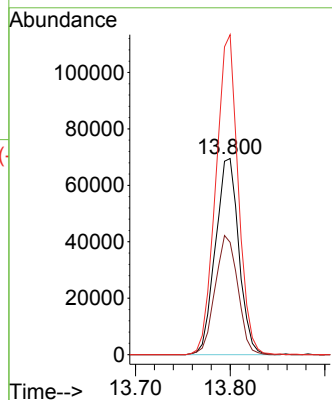
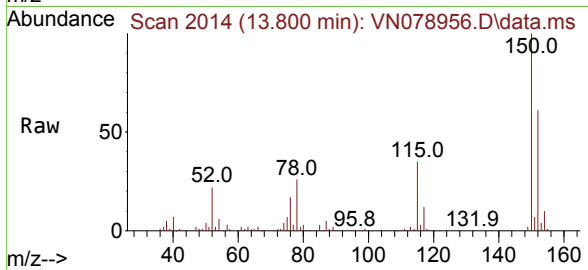
Tgt Ion:152 Resp: 119305

Ion Ratio Lower Upper

152 100

115 59.2 32.3 96.8

150 155.9 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 28.677 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN078956.D

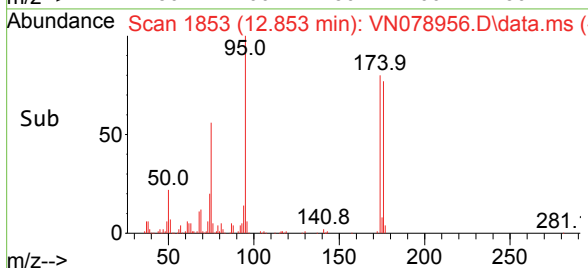
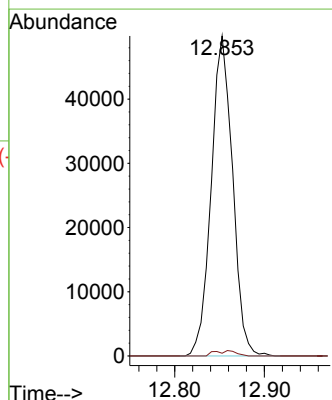
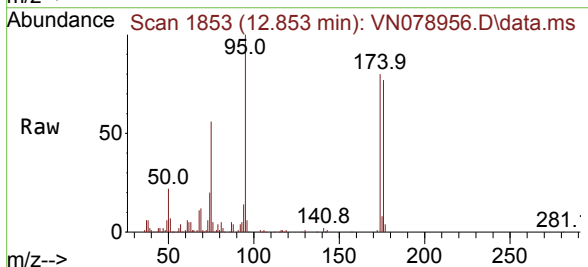
Acq: 18 Aug 2023 20:49

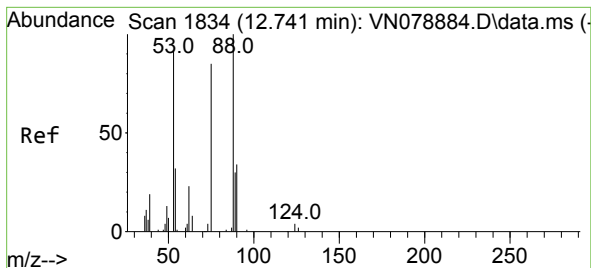
Tgt Ion: 75 Resp: 82437

Ion Ratio Lower Upper

75 100

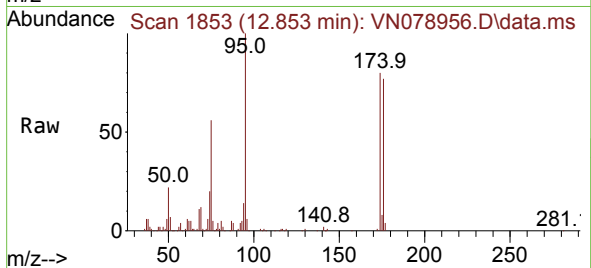
77 0.8 84.5 253.5#



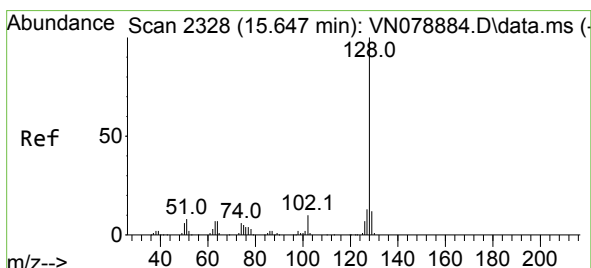
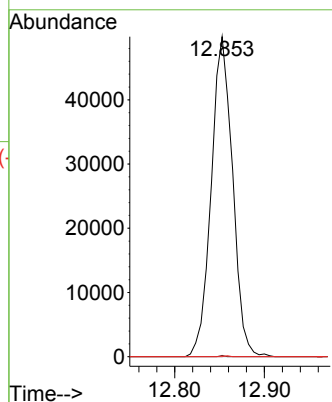
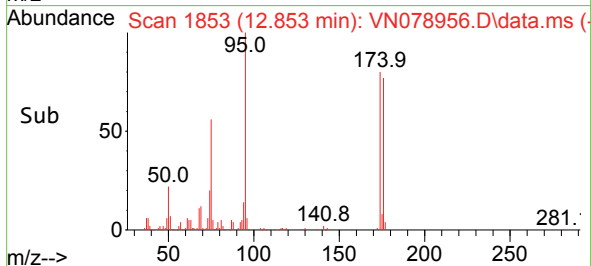


#81
trans-1,4-Dichloro-2-butene
Concen: 73.257 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078956.D
Acq: 18 Aug 2023 20:49

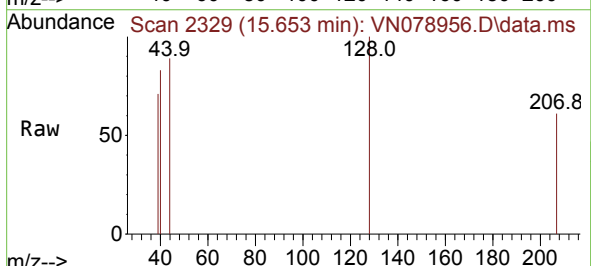
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 82437
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.1 38.8 58.2#



#95
Naphthalene
Concen: 2.592 ug/l
RT: 15.653 min Scan# 2329
Delta R.T. 0.006 min
Lab File: VN078956.D
Acq: 18 Aug 2023 20:49



Tgt Ion: 128 Resp: 101
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 0.0 8.7 13.1#

