

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081023\
 Data File : VN078832.D
 Acq On : 10 Aug 2023 13:07
 Operator : JC\MD
 Sample : PB154726ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

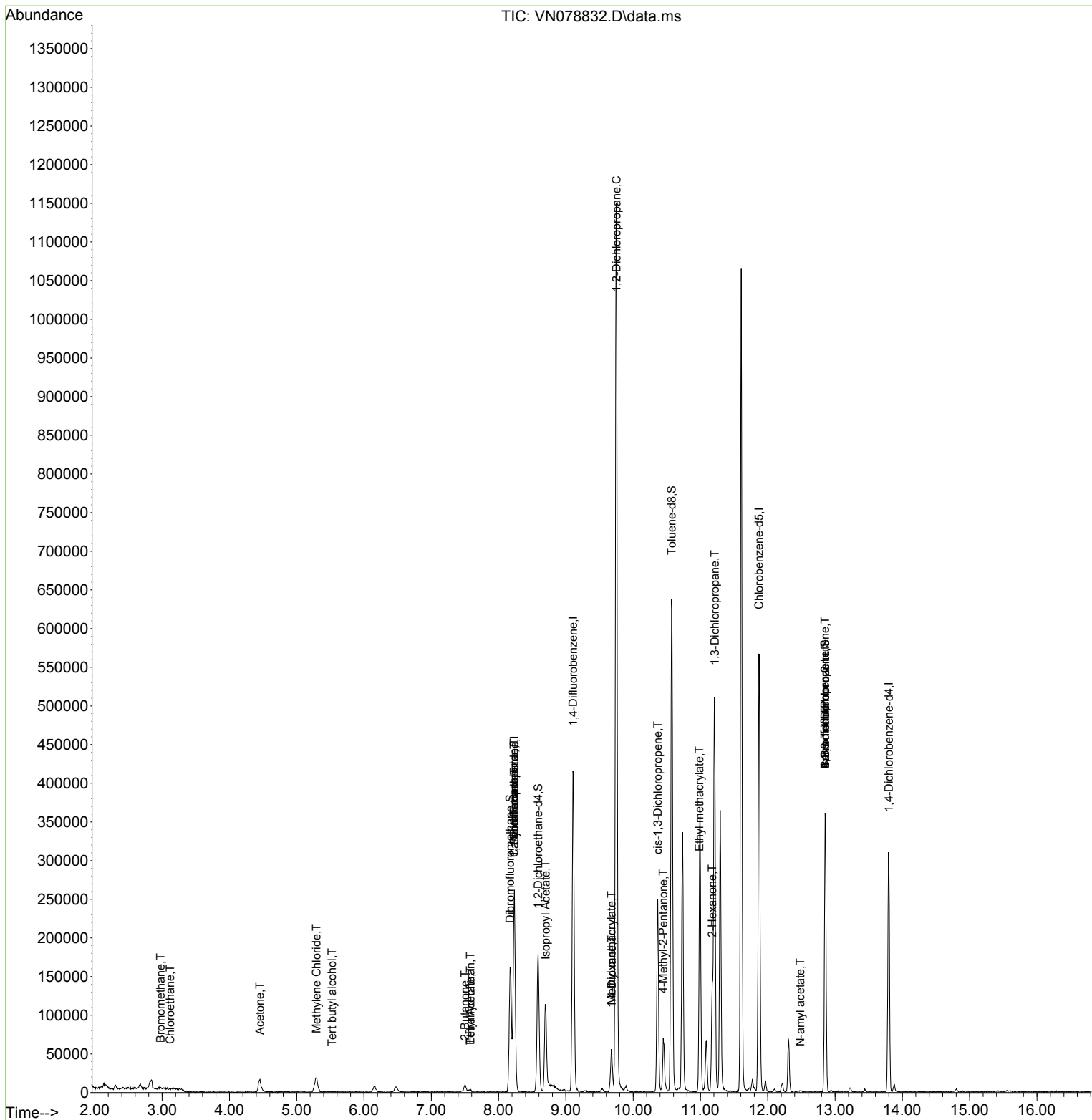
Instrument :
 MSVOA_N
 ClientSampleId :

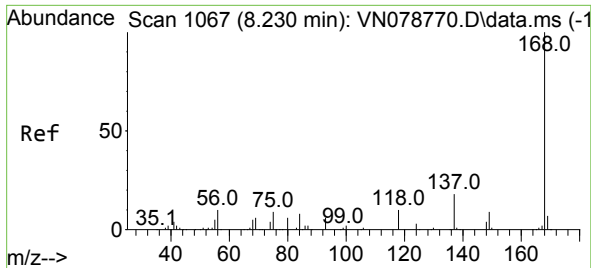
Quant Time: Aug 10 23:50:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080723W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 08 05:03:52 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.235	168	170665	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	340301	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	306780	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	80731	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	137192	53.621	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.240%	
35) Dibromofluoromethane	8.171	113	112159	48.805	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.620%	
50) Toluene-d8	10.571	98	428701	50.692	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.380%	
62) 4-Bromofluorobenzene	12.853	95	113691	44.983	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 89.960%	
Target Compounds						Qvalue
5) Bromomethane	2.977	94	518	0.264	ug/l	98
6) Chloroethane	3.118	64	730	0.400	ug/l #	43
11) Tert butyl alcohol	5.524	59	279	0.621	ug/l #	72
16) Acetone	4.453	43	31518	32.017	ug/l #	79
20) Methylene Chloride	5.294	84	13528	5.549	ug/l #	84
25) 2-Butanone	7.500	43	14612	8.766	ug/l #	77
29) Tetrahydrofuran	7.583	42	452	0.405	ug/l #	20
31) Cyclohexane	8.235	56	4675	1.244	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	15411	4.323	ug/l #	48
37) Ethyl Acetate	7.583	43	5490	1.448	ug/l #	80
38) Carbon Tetrachloride	8.230	117	20116	5.473	ug/l #	16
43) Isopropyl Acetate	8.700	43	136952	21.429	ug/l #	77
45) 1,2-Dichloropropane	9.753	63	1289	0.446	ug/l #	45
48) Methyl methacrylate	9.677	41	3666	1.241	ug/l #	31
49) 1,4-Dioxane	9.682	88	129	2.690	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	54068	13.812	ug/l #	82
54) cis-1,3-Dichloropropene	10.365	75	39760	9.353	ug/l #	74
56) Ethyl methacrylate	10.982	69	1867	0.492	ug/l #	1
57) 1,3-Dichloropropane	11.212	76	5526	1.214	ug/l #	42
59) 2-Hexanone	11.176	43	113131	40.813	ug/l #	19
71) Bromoform	12.853	173	805	0.427	ug/l #	1
74) N-amyl acetate	12.482	43	1108	0.307	ug/l #	36
76) 1,2,3-Trichloropropane	12.853	75	67914	31.115	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	67914	83.492	ug/l #	15

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

Quant Time: Aug 10 23:50:21 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080723W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 08 05:03:52 2023
Response via : Initial Calibration

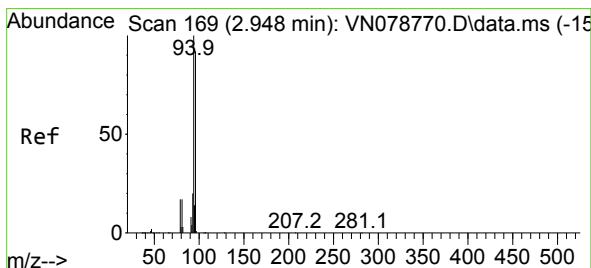
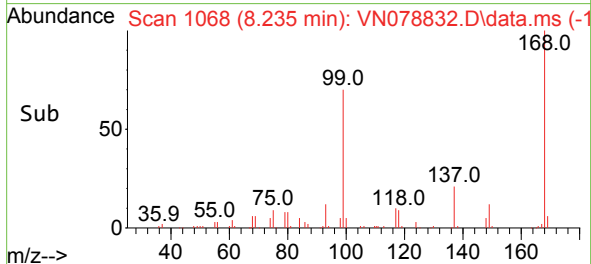
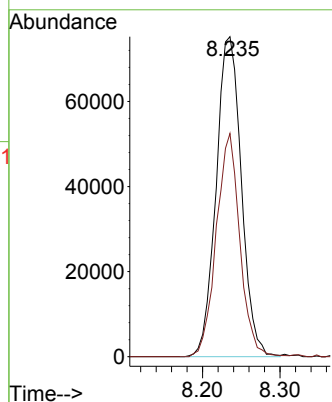
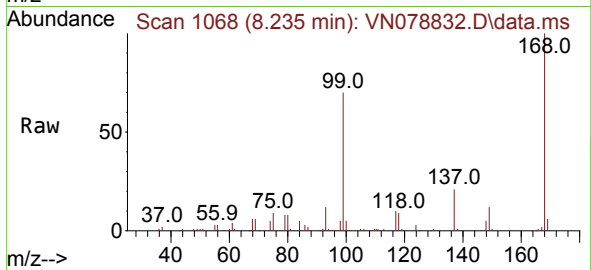




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1067
Delta R.T. 0.005 min
Lab File: VN078832.D
Acq: 10 Aug 2023 13:07

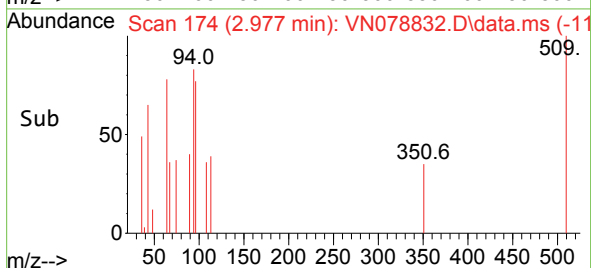
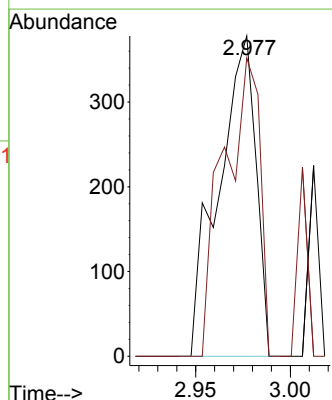
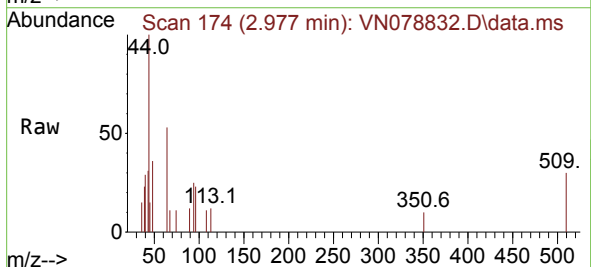
Instrument :
MSVOA_N
ClientSampleId :

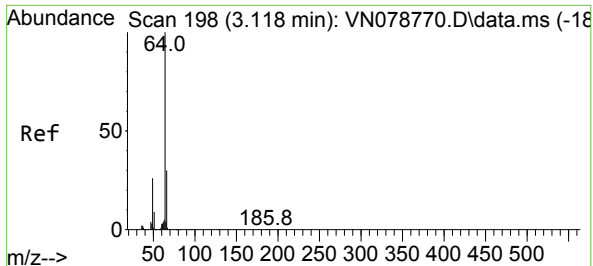
Tgt Ion:168 Resp: 170665
Ion Ratio Lower Upper
168 100
99 69.8 53.0 79.6



#5
Bromomethane
Concen: 0.264 ug/l
RT: 2.977 min Scan# 174
Delta R.T. 0.029 min
Lab File: VN078832.D
Acq: 10 Aug 2023 13:07

Tgt Ion: 94 Resp: 518
Ion Ratio Lower Upper
94 100
96 93.1 73.1 109.7

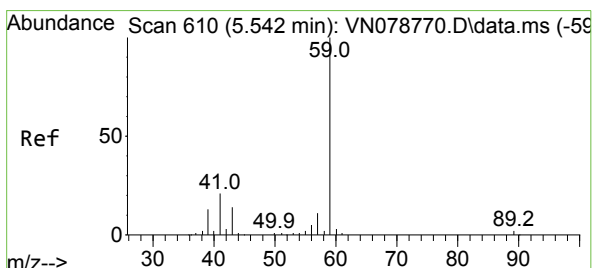
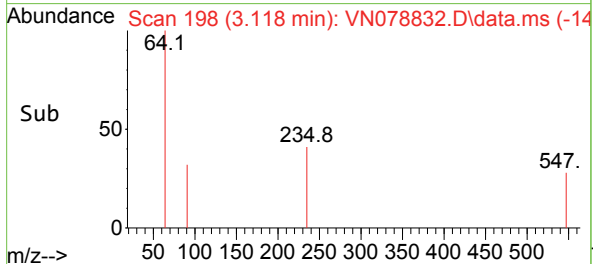
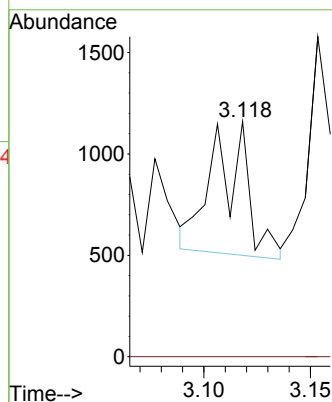
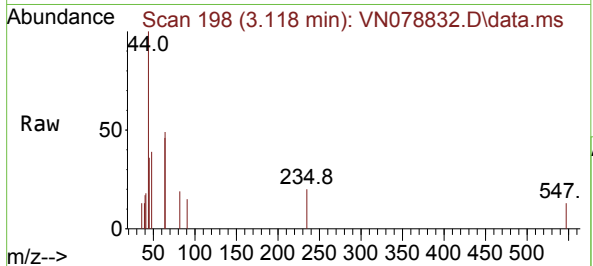




#6
Chloroethane
Concen: 0.400 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.000 min
Lab File: VN078832.D
Acq: 10 Aug 2023 13:07

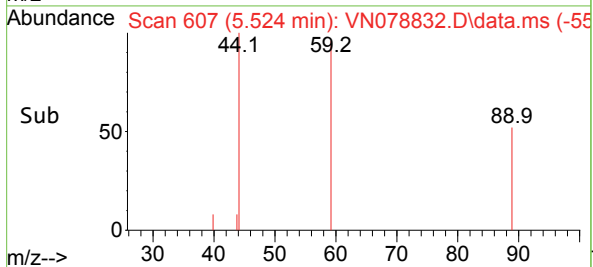
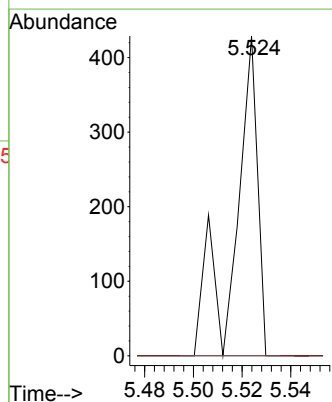
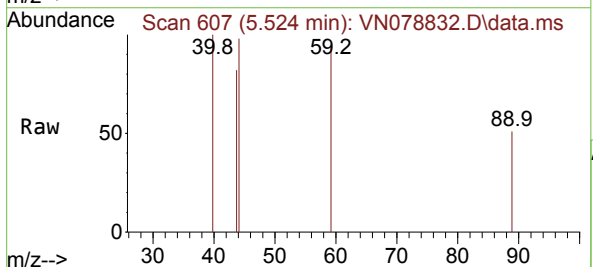
Instrument :
MSVOA_N
ClientSampleId :

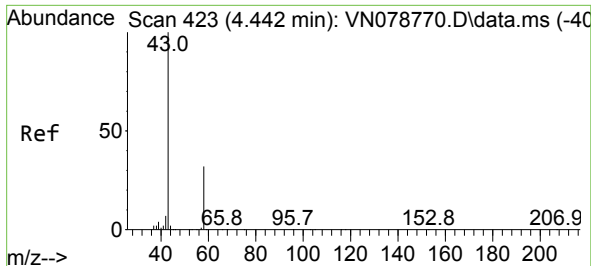
Tgt Ion: 64 Resp: 730
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 0.621 ug/l
RT: 5.524 min Scan# 607
Delta R.T. -0.018 min
Lab File: VN078832.D
Acq: 10 Aug 2023 13:07

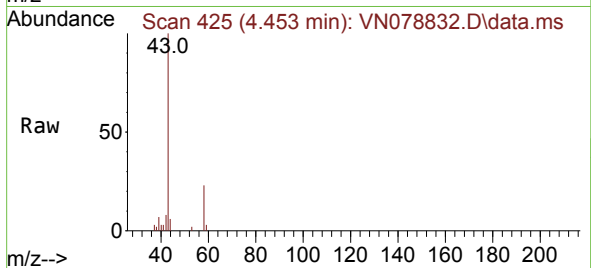
Tgt Ion: 59 Resp: 279
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



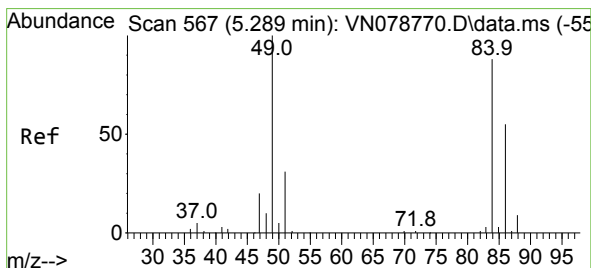
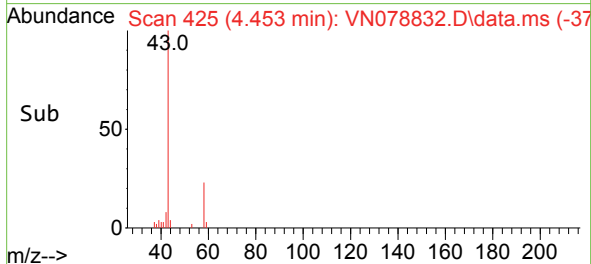
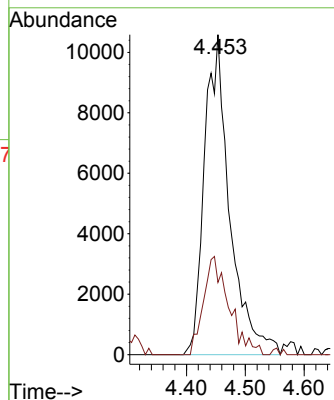


#16
Acetone
Concen: 32.017 ug/l
RT: 4.453 min Scan# 41
Delta R.T. 0.011 min
Lab File: VN078832.D
Acq: 10 Aug 2023 13:07

Instrument :
MSVOA_N
ClientSampleId :

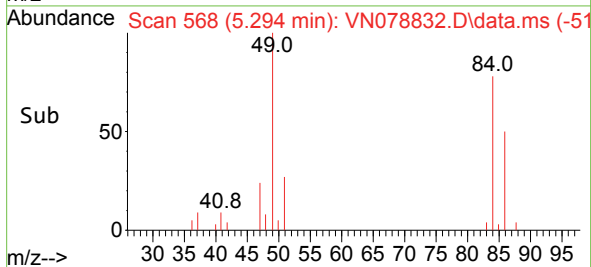
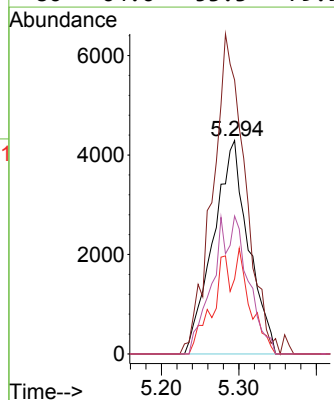
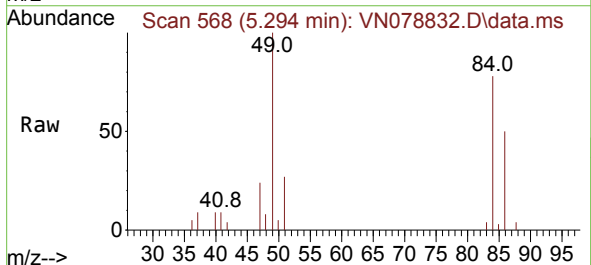


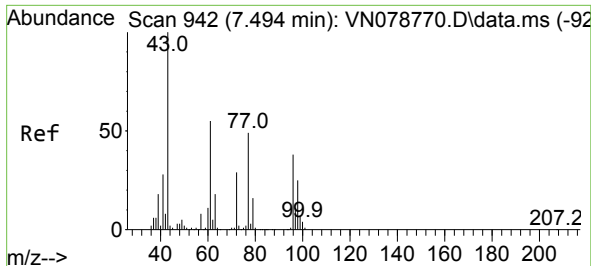
Tgt Ion: 43 Resp: 31518
Ion Ratio Lower Upper
43 100
58 22.6 28.0 42.0#



#20
Methylene Chloride
Concen: 5.549 ug/l
RT: 5.294 min Scan# 568
Delta R.T. 0.006 min
Lab File: VN078832.D
Acq: 10 Aug 2023 13:07

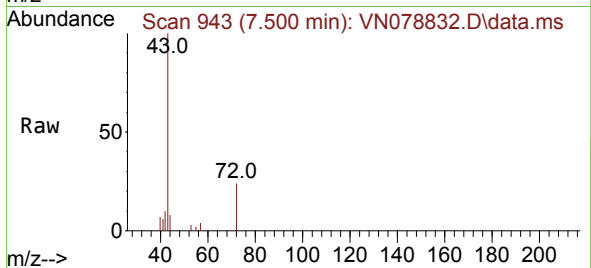
Tgt Ion: 84 Resp: 13528
Ion Ratio Lower Upper
84 100
49 128.3 79.7 119.5#
51 35.2 25.2 37.8
86 64.6 53.3 79.9



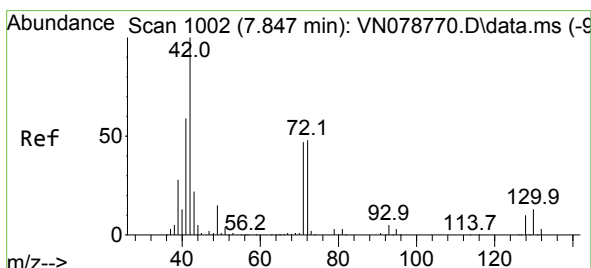
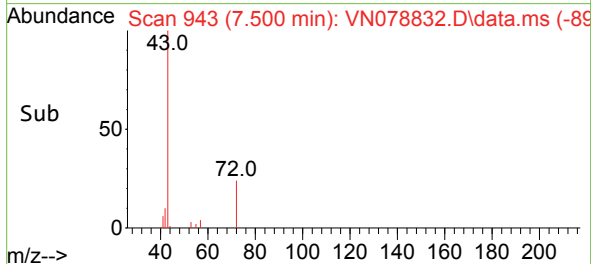
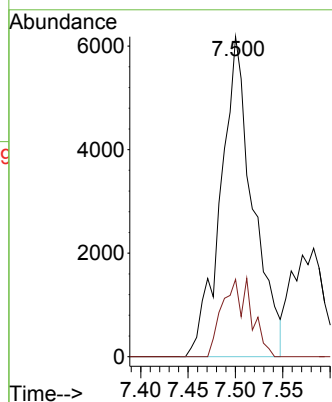


#25
2-Butanone
Concen: 8.766 ug/l
RT: 7.500 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN078832.D
Acq: 10 Aug 2023 13:07

Instrument :
MSVOA_N
ClientSampleId :

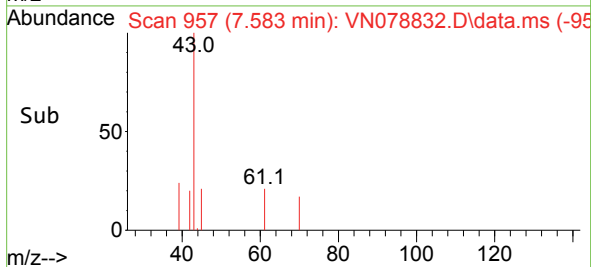
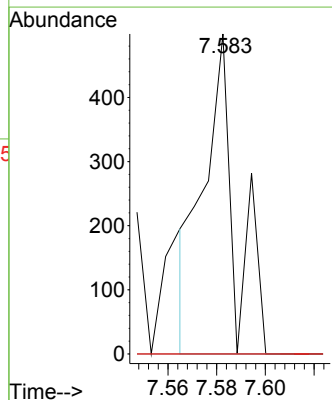
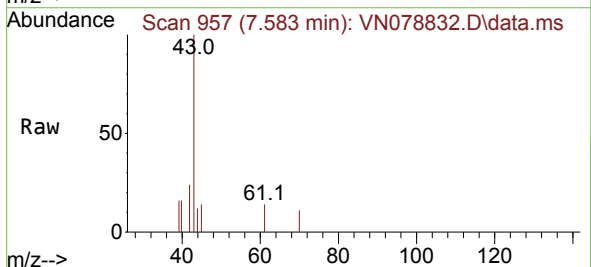


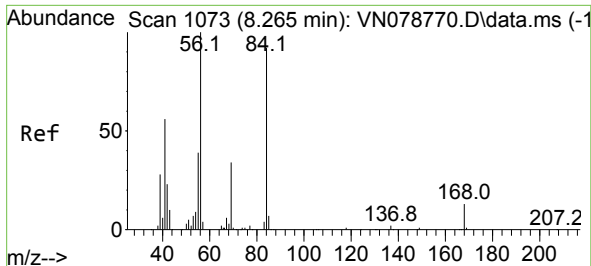
Tgt Ion: 43 Resp: 14612
Ion Ratio Lower Upper
43 100
72 24.1 30.2 45.2#



#29
Tetrahydrofuran
Concen: 0.405 ug/l
RT: 7.583 min Scan# 957
Delta R.T. -0.264 min
Lab File: VN078832.D
Acq: 10 Aug 2023 13:07

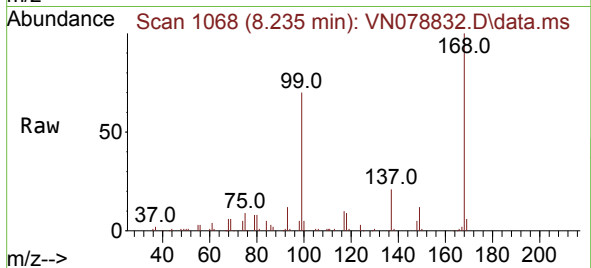
Tgt Ion: 42 Resp: 452
Ion Ratio Lower Upper
42 100
72 0.0 49.8 74.6#
71 0.0 47.4 71.2#



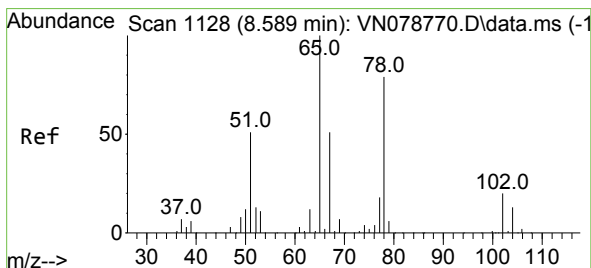
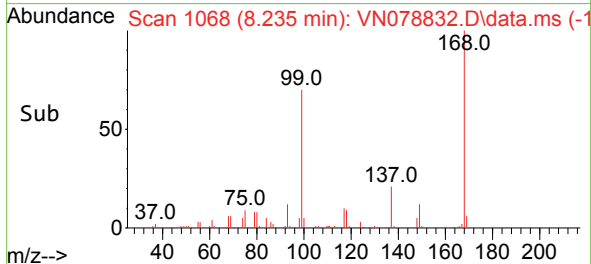
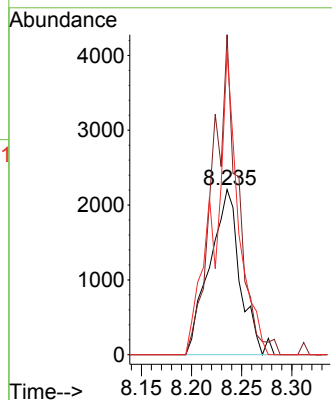


#31
Cyclohexane
Concen: 1.244 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.030 min
Lab File: VN078832.D
Acq: 10 Aug 2023 13:07

Instrument :
MSVOA_N
ClientSampleId :

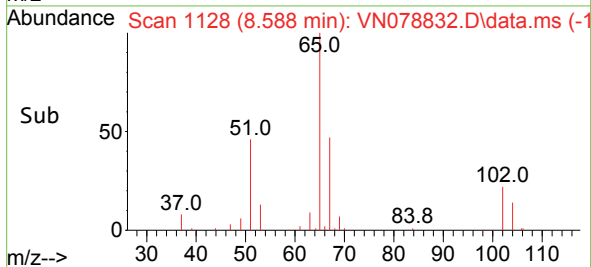
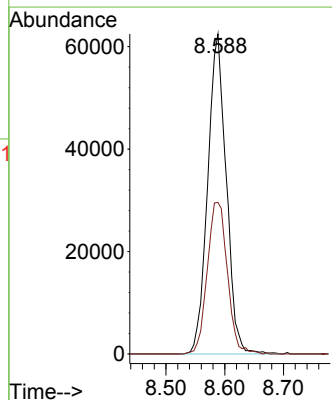
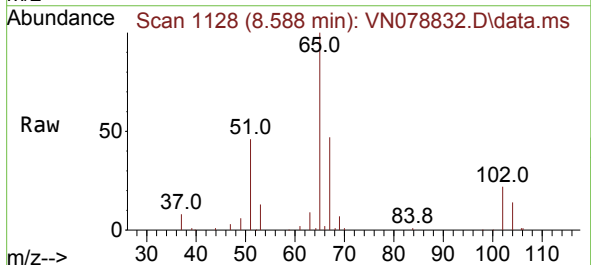


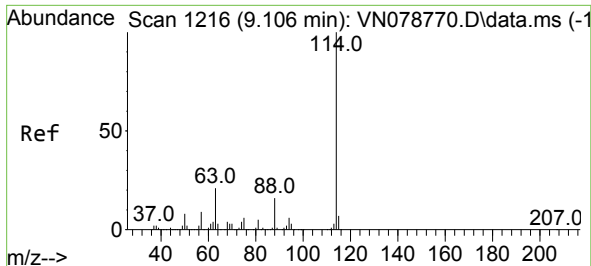
Tgt Ion: 56 Resp: 4675
Ion Ratio Lower Upper
56 100
69 193.7 26.8 40.2#
84 183.2 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 53.621 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN078832.D
Acq: 10 Aug 2023 13:07

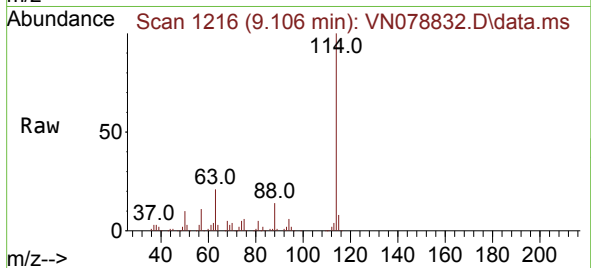
Tgt Ion: 65 Resp: 137192
Ion Ratio Lower Upper
65 100
67 51.4 0.0 106.6



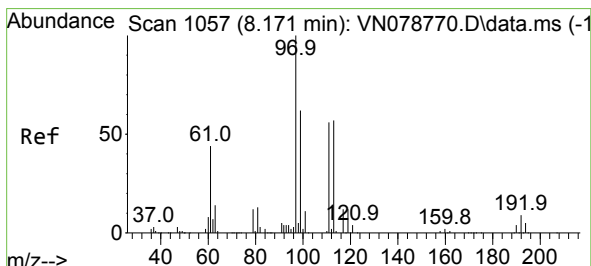
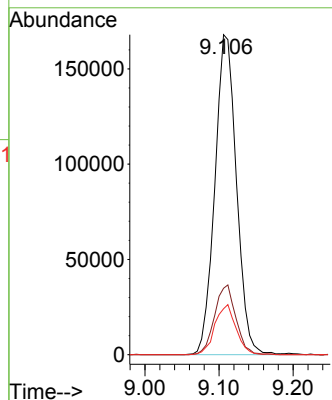
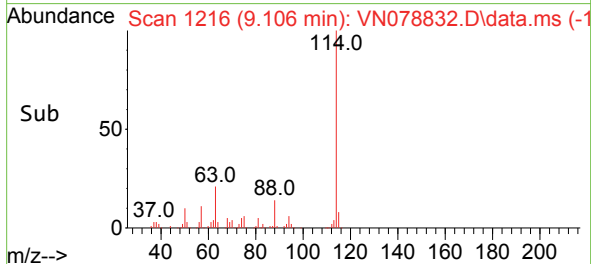


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN078832.D
Acq: 10 Aug 2023 13:07

Instrument :
MSVOA_N
ClientSampleId :

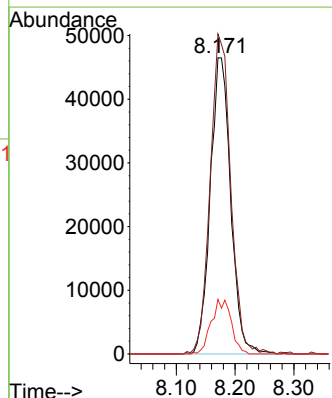
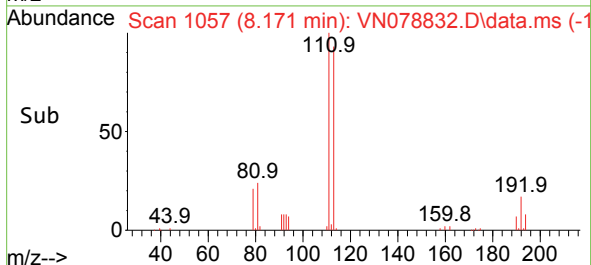
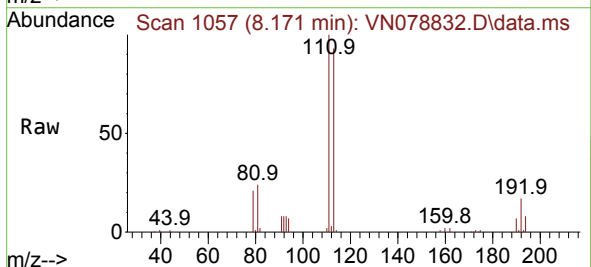


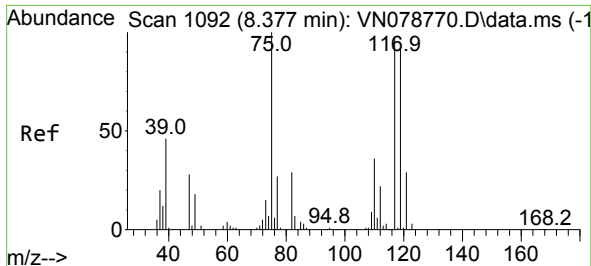
Tgt Ion:114 Resp: 340301
Ion Ratio Lower Upper
114 100
63 20.7 0.0 36.4
88 14.4 0.0 30.6



#35
Dibromofluoromethane
Concen: 48.805 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN078832.D
Acq: 10 Aug 2023 13:07

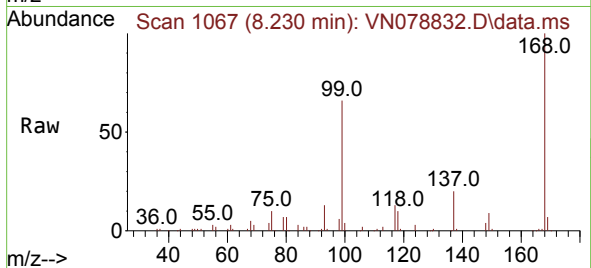
Tgt Ion:113 Resp: 112159
Ion Ratio Lower Upper
113 100
111 109.0 82.6 123.8
192 18.0 12.7 19.1



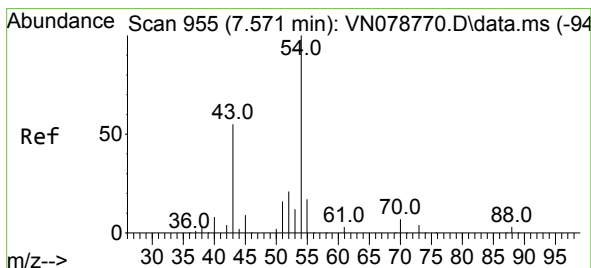
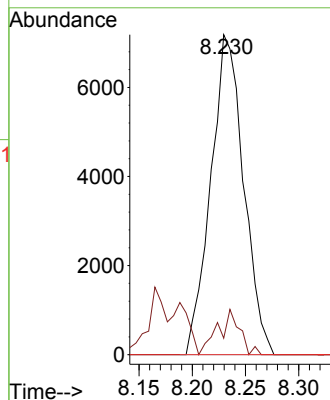
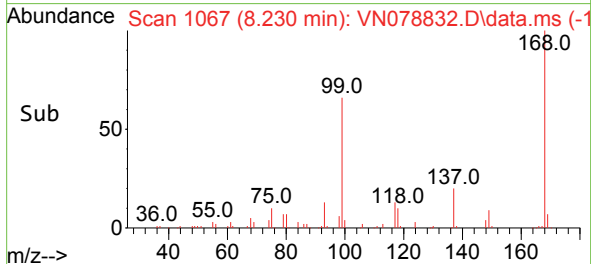


#36
1,1-Dichloropropene
Concen: 4.323 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN078832.D
Acq: 10 Aug 2023 13:07

Instrument :
MSVOA_N
ClientSampleId :

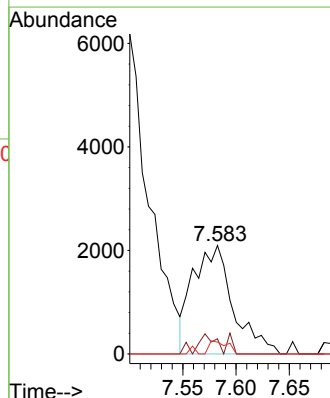
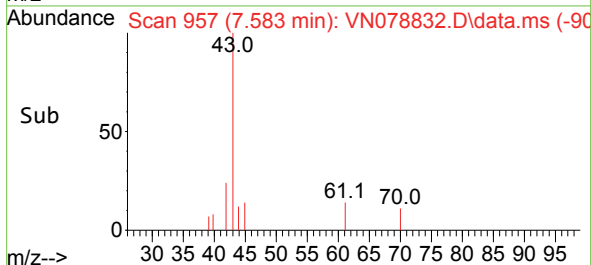
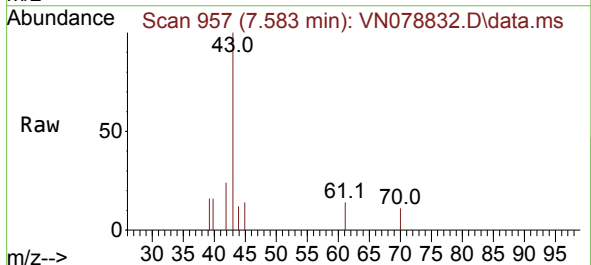


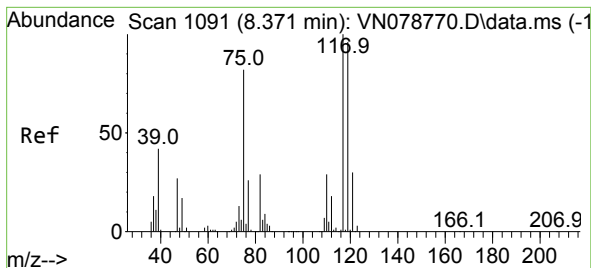
Tgt Ion: 75 Resp: 15411
Ion Ratio Lower Upper
75 100
110 9.4 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.448 ug/l
RT: 7.583 min Scan# 957
Delta R.T. 0.012 min
Lab File: VN078832.D
Acq: 10 Aug 2023 13:07

Tgt Ion: 43 Resp: 5490
Ion Ratio Lower Upper
43 100
61 8.7 13.2 19.8#
70 5.5 11.3 16.9#





#38

Carbon Tetrachloride

Concen: 5.473 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.141 min

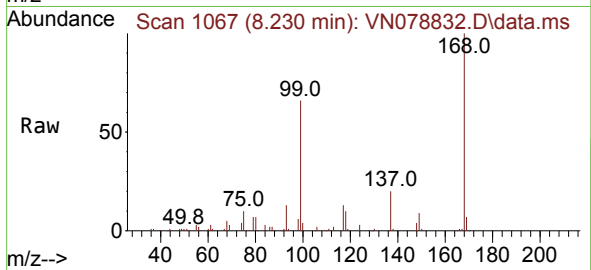
Lab File: VN078832.D

Acq: 10 Aug 2023 13:07

Instrument :

MSVOA_N

ClientSampleId :



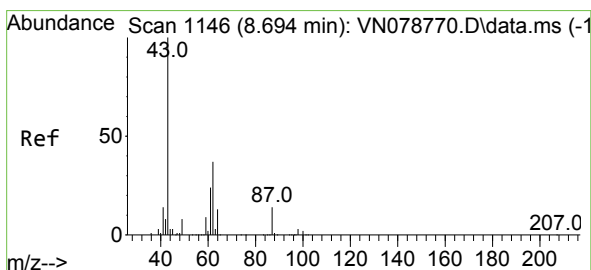
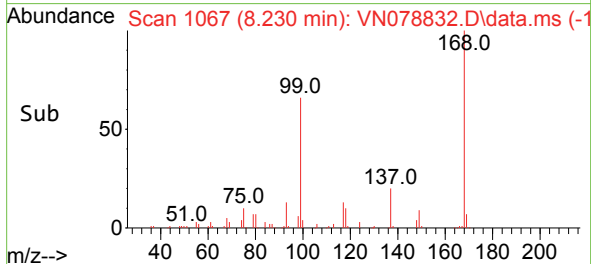
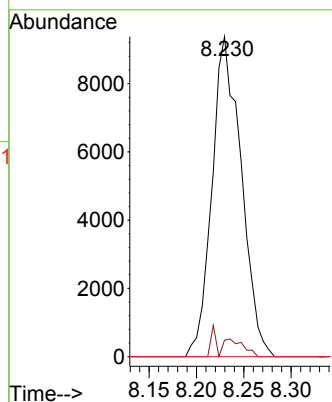
Tgt Ion:117 Resp: 20116

Ion Ratio Lower Upper

117 100

119 5.1 77.3 115.9#

121 0.0 23.3 34.9#



#43

Isopropyl Acetate

Concen: 21.429 ug/l

RT: 8.700 min Scan# 1147

Delta R.T. 0.006 min

Lab File: VN078832.D

Acq: 10 Aug 2023 13:07

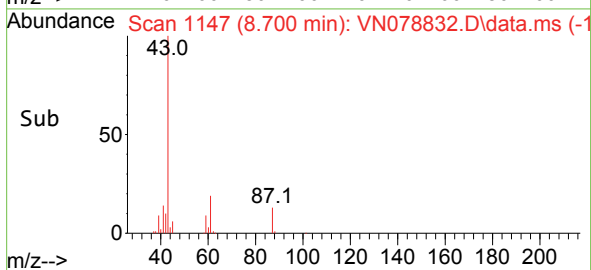
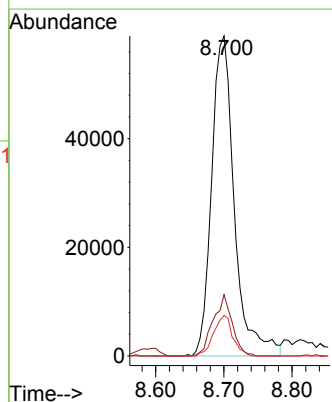
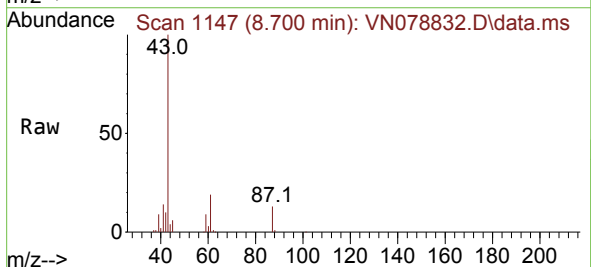
Tgt Ion: 43 Resp: 136952

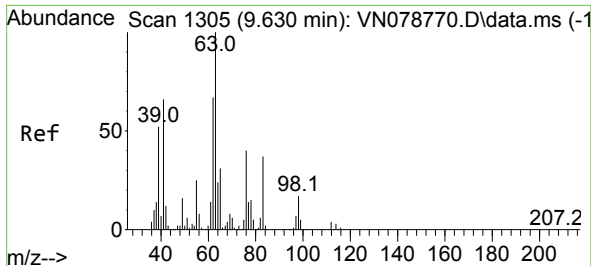
Ion Ratio Lower Upper

43 100

61 16.0 24.7 37.1#

87 10.6 14.6 21.8#





#45

1,2-Dichloropropane

Concen: 0.446 ug/l

RT: 9.753 min Scan# 11

Delta R.T. 0.123 min

Lab File: VN078832.D

Acq: 10 Aug 2023 13:07

Instrument :

MSVOA_N

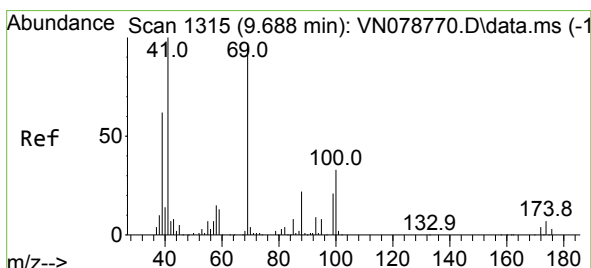
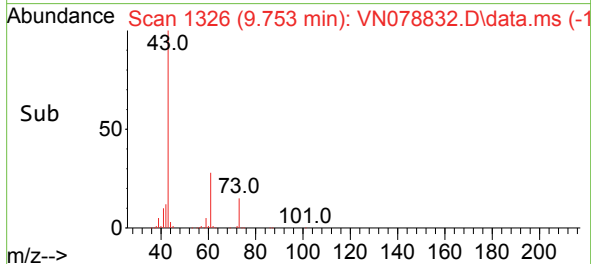
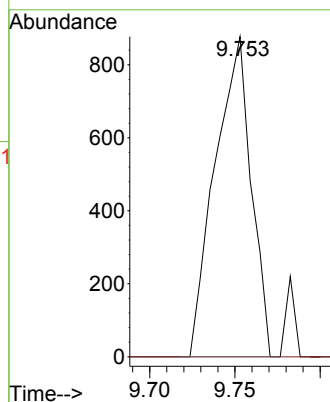
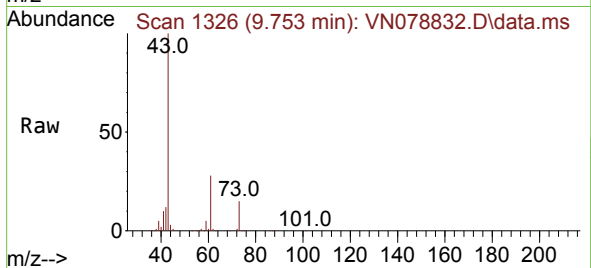
ClientSampleId :

Tgt Ion: 63 Resp: 1289

Ion Ratio Lower Upper

63 100

65 0.0 23.9 35.9#



#48

Methyl methacrylate

Concen: 1.241 ug/l

RT: 9.677 min Scan# 1313

Delta R.T. -0.012 min

Lab File: VN078832.D

Acq: 10 Aug 2023 13:07

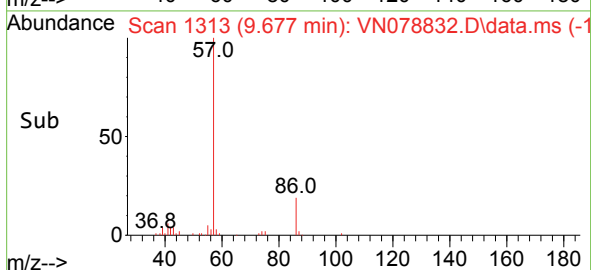
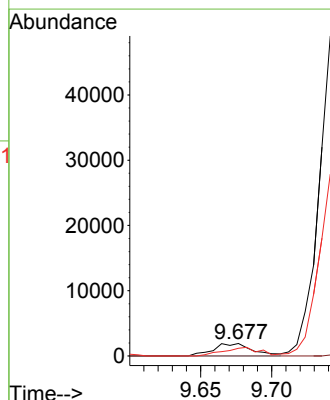
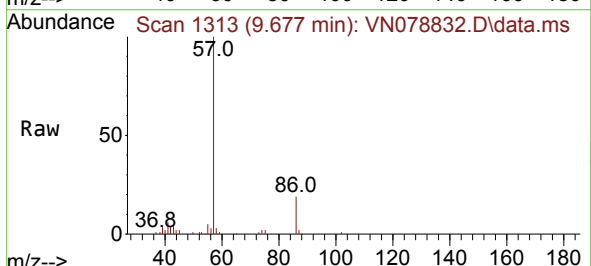
Tgt Ion: 41 Resp: 3666

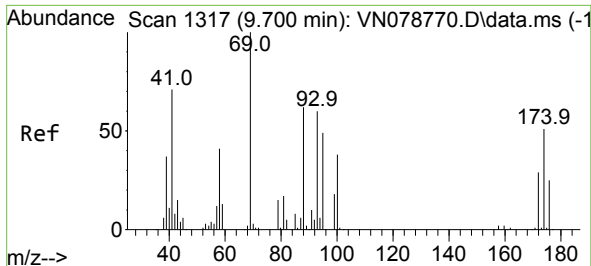
Ion Ratio Lower Upper

41 100

69 0.0 90.4 135.6#

39 62.0 54.6 81.8





#49

1,4-Dioxane

Concen: 2.690 ug/l

RT: 9.682 min Scan# 11

Delta R.T. -0.018 min

Lab File: VN078832.D

Acq: 10 Aug 2023 13:07

Instrument :

MSVOA_N

ClientSampleId :

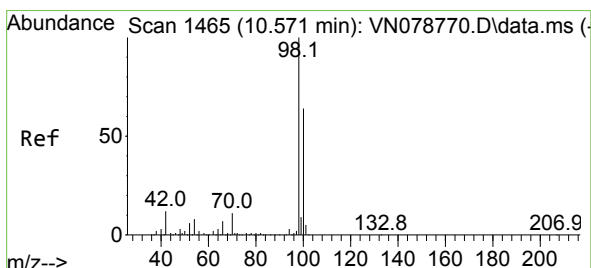
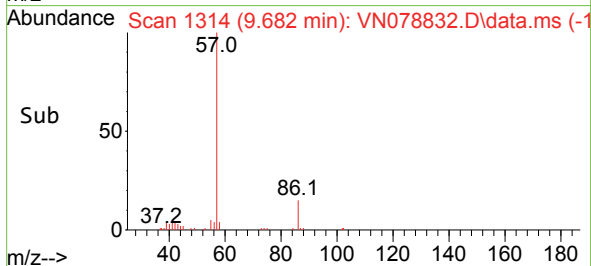
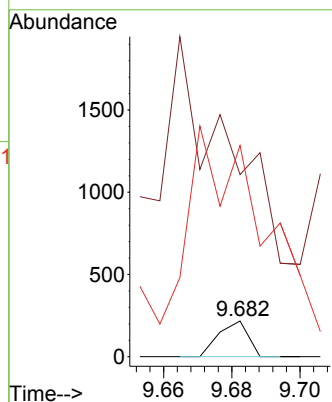
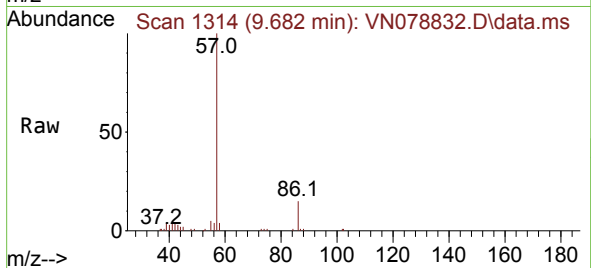
Tgt Ion: 88 Resp: 129

Ion Ratio Lower Upper

88 100

43 0.0 17.0 25.6#

58 1925.6 47.0 70.4#



#50

Toluene-d8

Concen: 50.692 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN078832.D

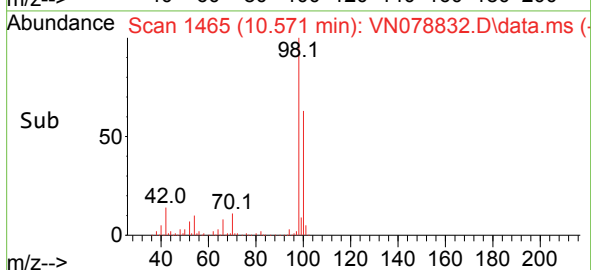
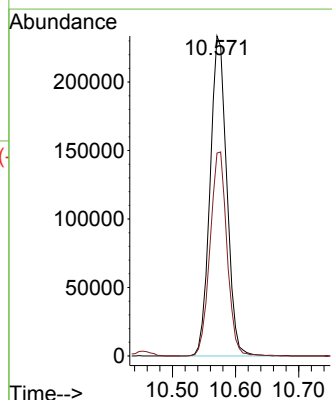
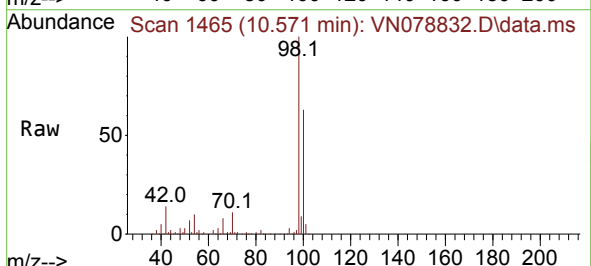
Acq: 10 Aug 2023 13:07

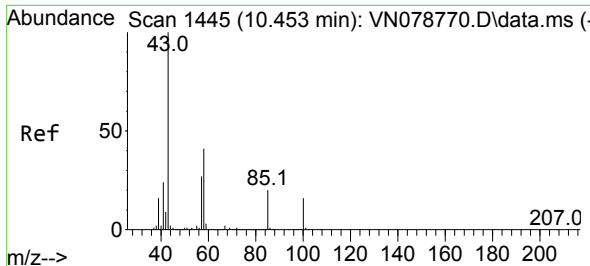
Tgt Ion: 98 Resp: 428701

Ion Ratio Lower Upper

98 100

100 64.9 52.0 78.0

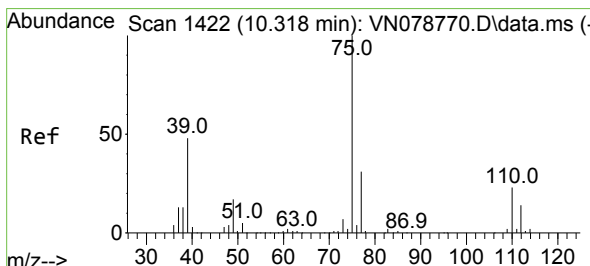
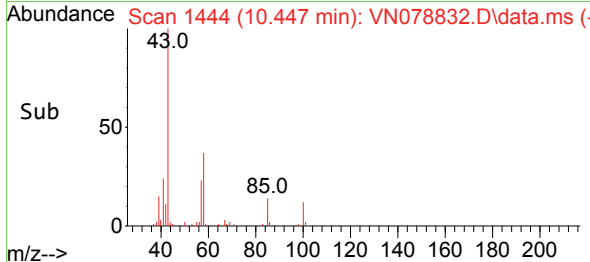
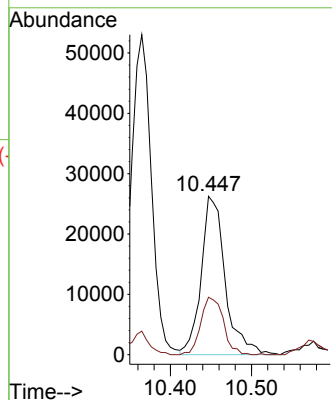
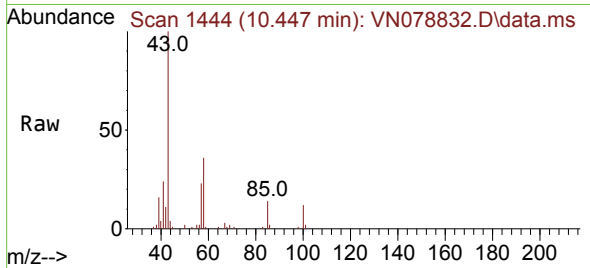




#51
4-Methyl-2-Pentanone
Concen: 13.812 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN078832.D
Acq: 10 Aug 2023 13:07

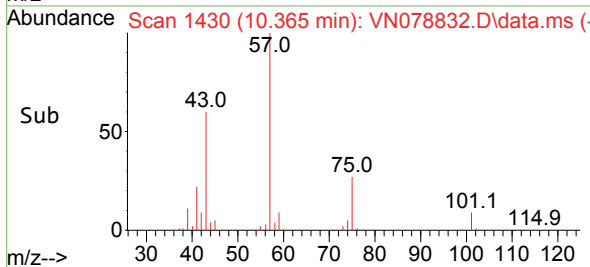
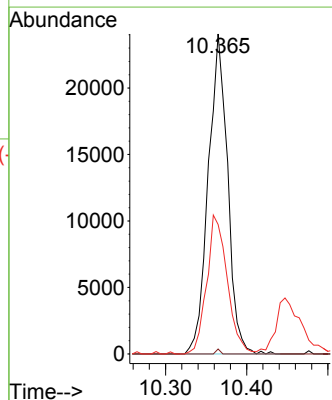
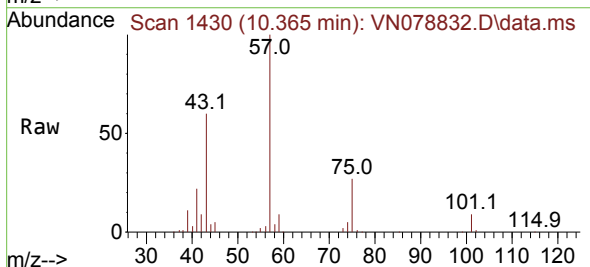
Instrument :
MSVOA_N
ClientSampleId :

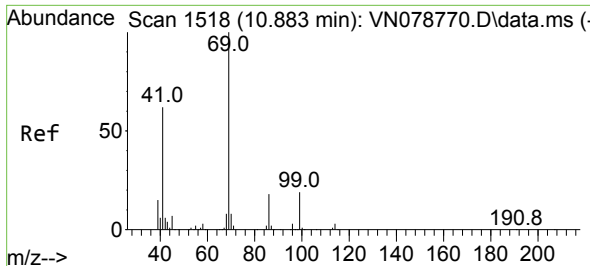
Tgt Ion: 43 Resp: 54068
Ion Ratio Lower Upper
43 100
58 33.8 36.6 54.8#



#54
cis-1,3-Dichloropropene
Concen: 9.353 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. 0.047 min
Lab File: VN078832.D
Acq: 10 Aug 2023 13:07

Tgt Ion: 75 Resp: 39760
Ion Ratio Lower Upper
75 100
77 1.5 26.1 39.1#
39 40.5 31.6 47.4

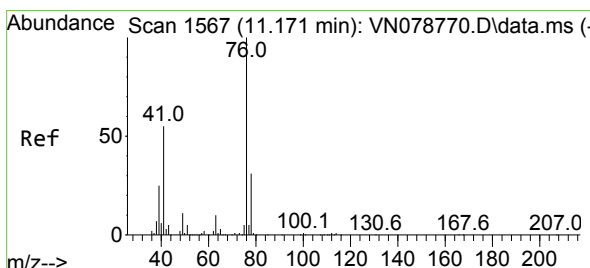
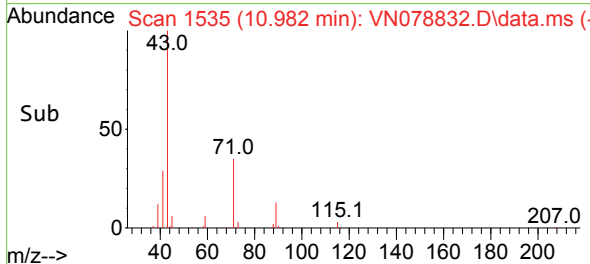
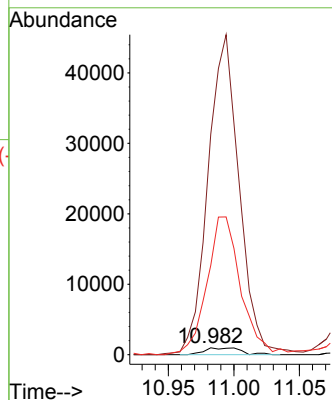
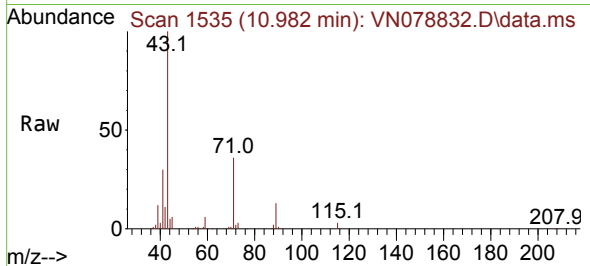




#56
Ethyl methacrylate
Concen: 0.492 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.100 min
Lab File: VN078832.D
Acq: 10 Aug 2023 13:07

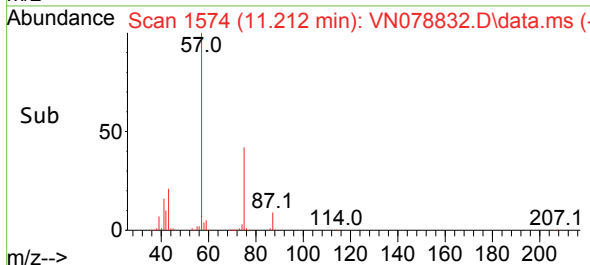
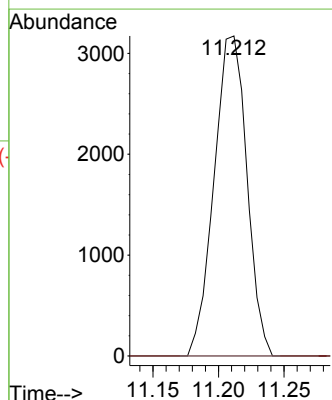
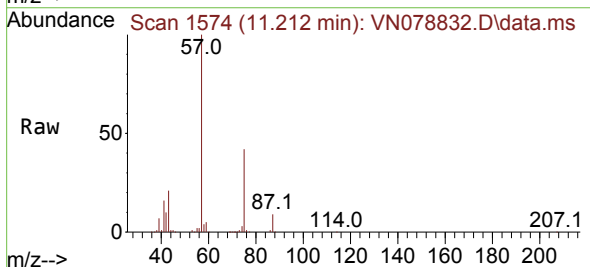
Instrument :
MSVOA_N
ClientSampleId :

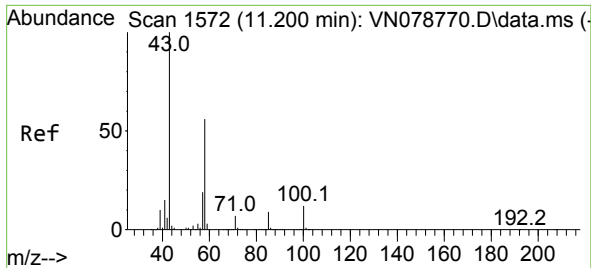
Tgt Ion: 69 Resp: 1867
Ion Ratio Lower Upper
69 100
41 4038.4 39.6 59.4#
39 1887.0 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.214 ug/l
RT: 11.212 min Scan# 1574
Delta R.T. 0.041 min
Lab File: VN078832.D
Acq: 10 Aug 2023 13:07

Tgt Ion: 76 Resp: 5526
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

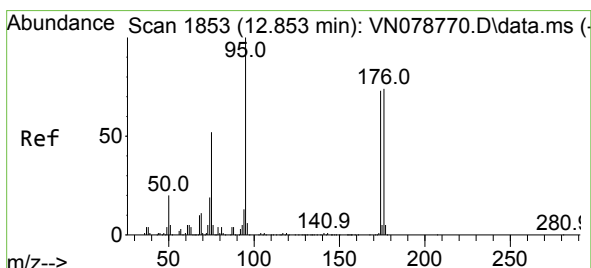
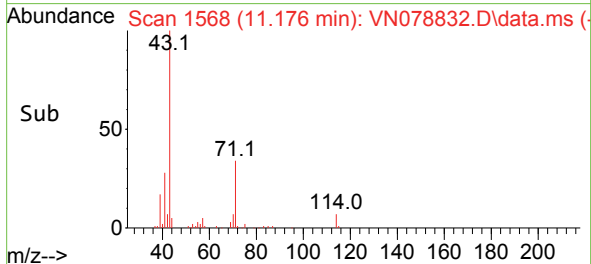
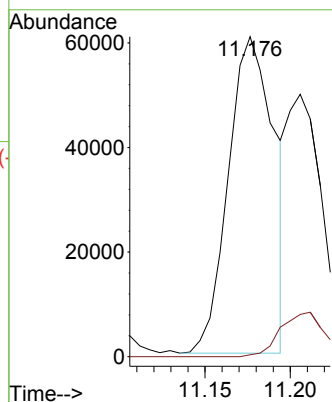
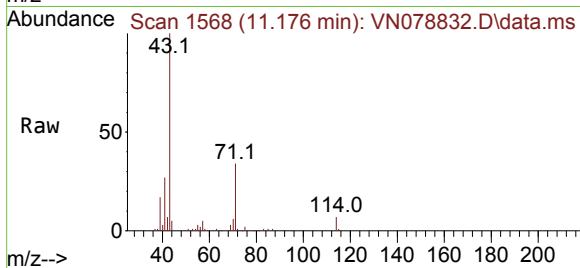




#59
2-Hexanone
Concen: 40.813 ug/l
RT: 11.176 min Scan# 11176
Delta R.T. -0.024 min
Lab File: VN078832.D
Acq: 10 Aug 2023 13:07

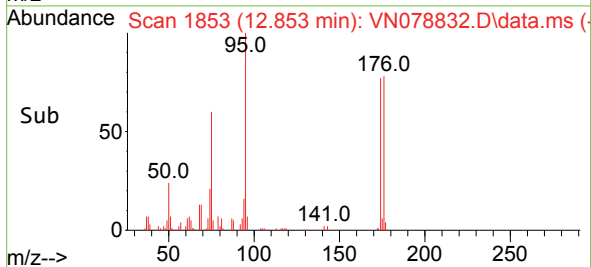
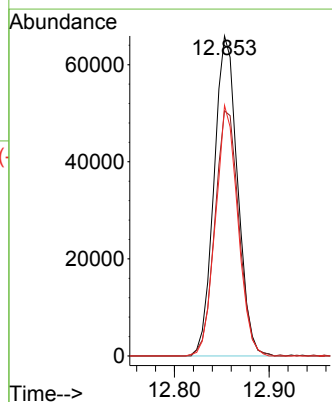
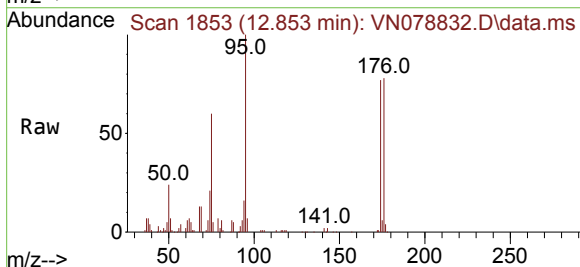
Instrument :
MSVOA_N
ClientSampleId :

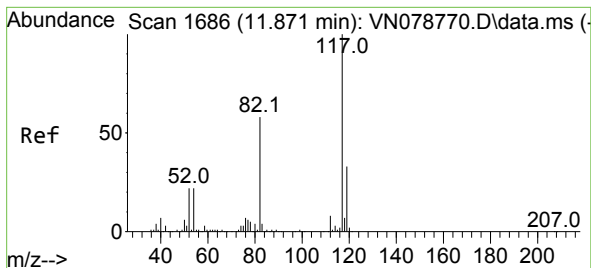
Tgt Ion: 43 Resp: 113131
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 44.983 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078832.D
Acq: 10 Aug 2023 13:07

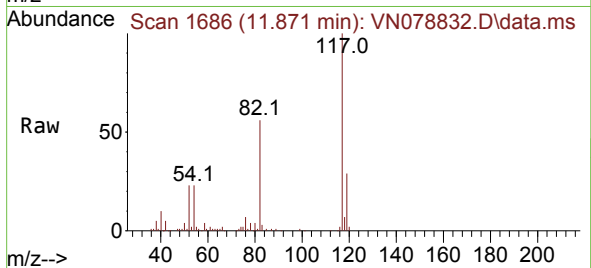
Tgt Ion: 95 Resp: 113691
Ion Ratio Lower Upper
95 100
174 78.3 0.0 143.8
176 74.7 0.0 135.8



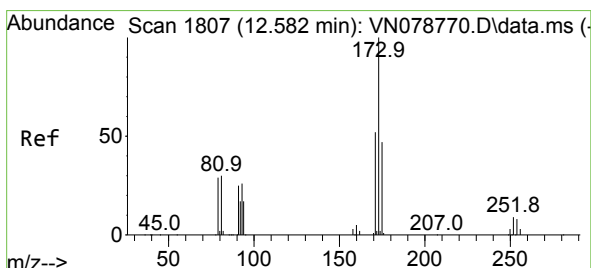
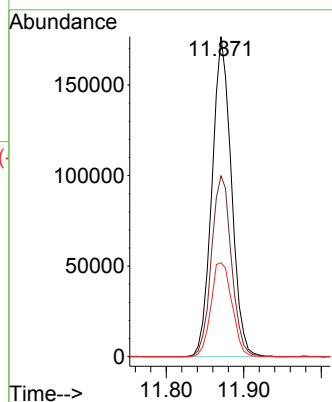
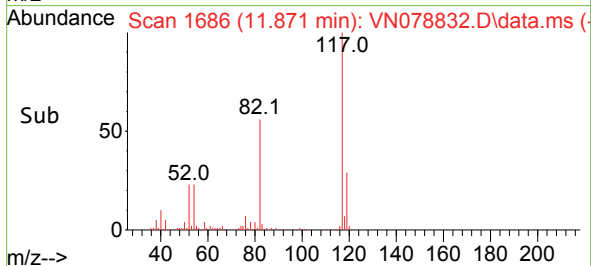


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN078832.D
Acq: 10 Aug 2023 13:07

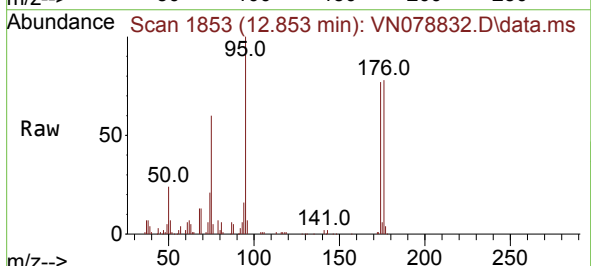
Instrument :
MSVOA_N
ClientSampleId :



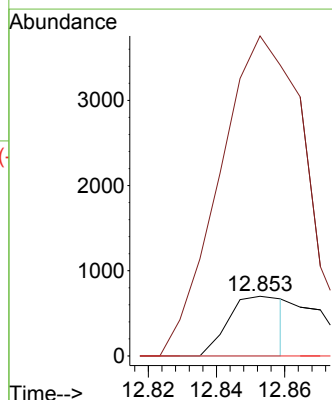
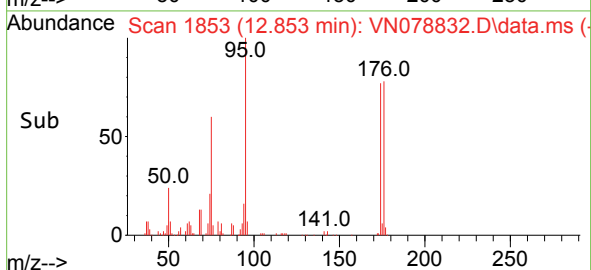
Tgt Ion:117 Resp: 306780
Ion Ratio Lower Upper
117 100
82 56.5 44.0 66.0
119 29.3 25.6 38.4

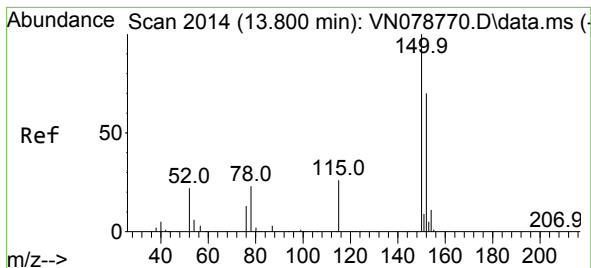


#71
Bromoform
Concen: 0.427 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.270 min
Lab File: VN078832.D
Acq: 10 Aug 2023 13:07



Tgt Ion:173 Resp: 805
Ion Ratio Lower Upper
173 100
175 619.5 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# 20

Delta R.T. -0.000 min

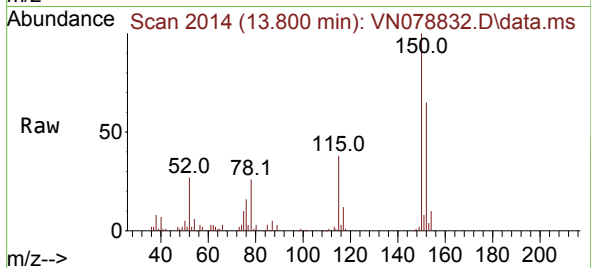
Lab File: VN078832.D

Acq: 10 Aug 2023 13:07

Instrument :

MSVOA_N

ClientSampleId :



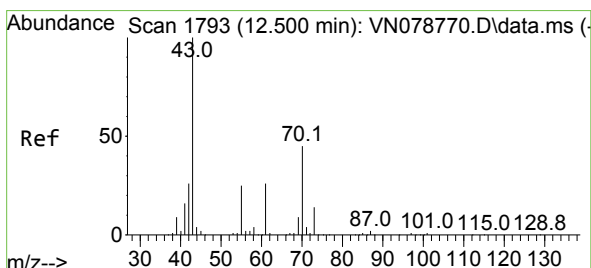
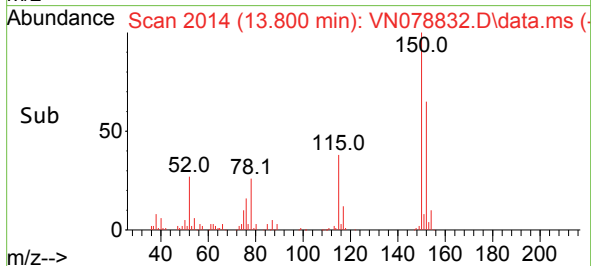
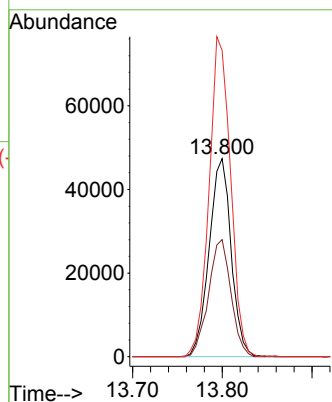
Tgt Ion:152 Resp: 80731

Ion Ratio Lower Upper

152 100

115 60.3 32.3 96.8

150 157.4 0.0 355.8



#74

N-ethyl acetate

Concen: 0.307 ug/l

RT: 12.482 min Scan# 1790

Delta R.T. -0.018 min

Lab File: VN078832.D

Acq: 10 Aug 2023 13:07

Tgt Ion: 43 Resp: 1108

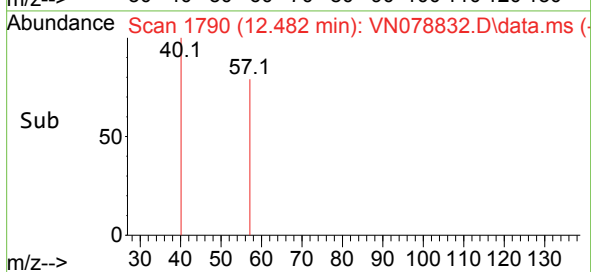
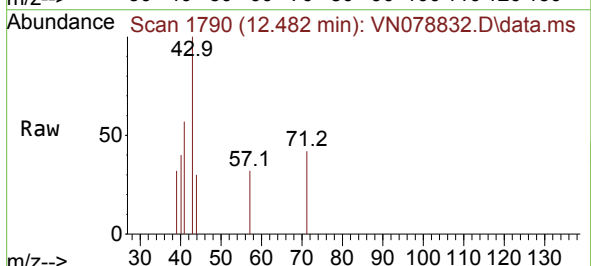
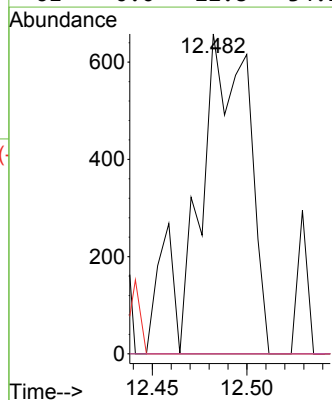
Ion Ratio Lower Upper

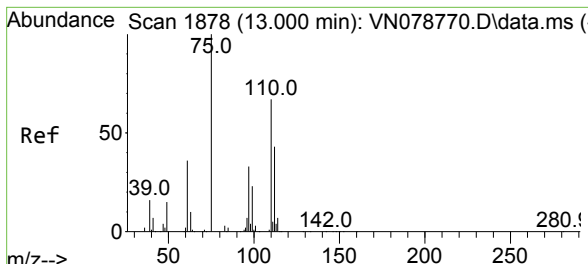
43 100

70 0.0 43.4 65.2#

55 0.0 21.4 32.0#

61 0.0 22.8 34.2#

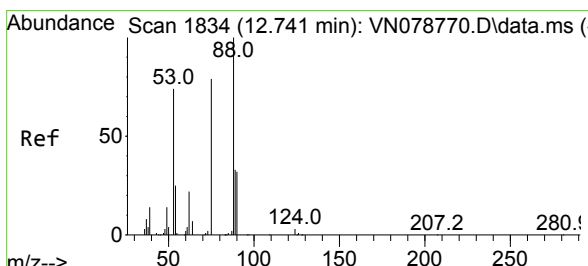
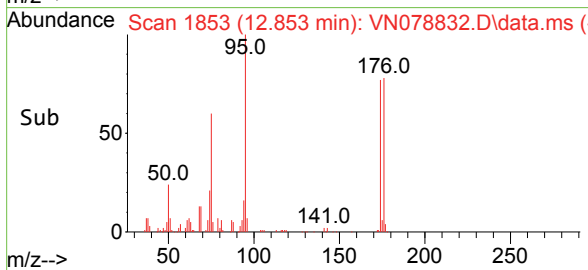
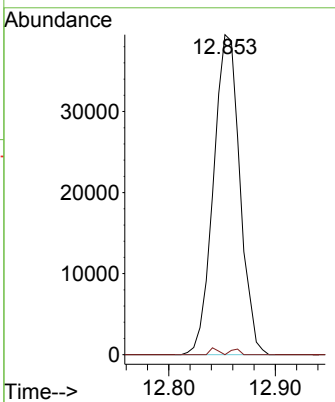
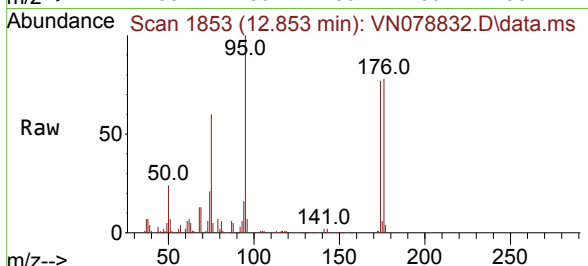




#76
 1,2,3-Trichloropropane
 Concen: 31.115 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.147 min
 Lab File: VN078832.D
 Acq: 10 Aug 2023 13:07

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion: 75 Resp: 67914
 Ion Ratio Lower Upper
 75 100
 77 0.6 84.5 253.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 83.492 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.112 min
 Lab File: VN078832.D
 Acq: 10 Aug 2023 13:07

Tgt Ion: 75 Resp: 67914
 Ion Ratio Lower Upper
 75 100
 53 0.1 67.4 101.2#
 89 0.0 38.8 58.2#

