

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112023\
 Data File : VN080211.D
 Acq On : 20 Nov 2023 16:35
 Operator : JC\MD
 Sample : PB157250ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 21 01:07:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 17 01:19:32 2023
 Response via : Initial Calibration

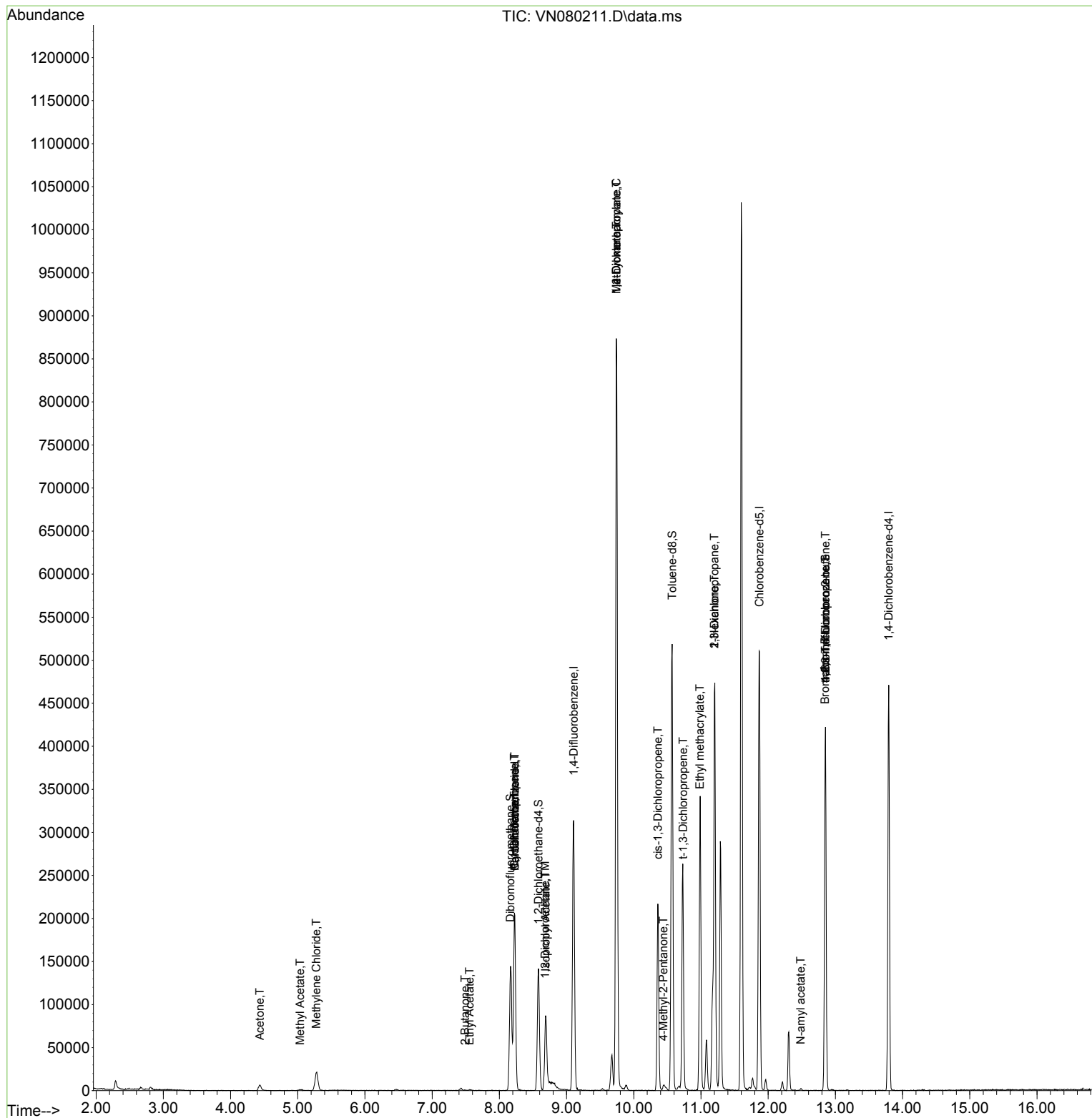
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

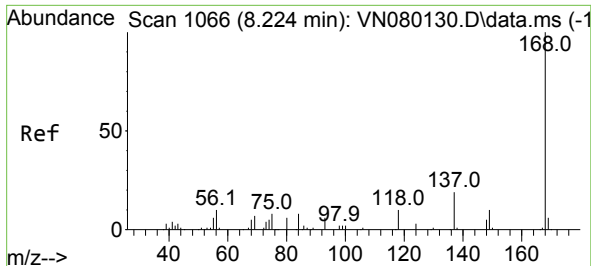
Internal Standards						
1) Pentafluorobenzene	8.230	168	142256	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	261919	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	293654	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	124134	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	132022	56.207	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.420%			
35) Dibromofluoromethane	8.165	113	101560	52.551	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.100%			
50) Toluene-d8	10.571	98	362267	52.000	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.000%			
62) 4-Bromofluorobenzene	12.853	95	139042	52.839	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.680%			
Target Compounds						Qvalue
6) Chloroethane	3.112	64	726	Below Cal	#	43
16) Acetone	4.436	43	12749	16.160	ug/l #	87
18) Methyl Acetate	5.036	43	2087	0.823	ug/l #	53
20) Methylene Chloride	5.277	84	17305	10.474	ug/l	92
25) 2-Butanone	7.488	43	577	0.616	ug/l #	37
31) Cyclohexane	8.224	56	3669	1.436	ug/l #	6
36) 1,1-Dichloropropene	8.224	75	11834	4.229	ug/l #	51
37) Ethyl Acetate	7.559	43	666	0.343	ug/l #	77
38) Carbon Tetrachloride	8.230	117	16370	4.610	ug/l #	17
42) 1,2-Dichloroethane	8.682	62	653	0.201	ug/l #	73
43) Isopropyl Acetate	8.688	43	100646	26.648	ug/l #	83
45) 1,2-Dichloropropane	9.741	63	974	0.527	ug/l #	45
48) Methyl methacrylate	9.741	41	87339	44.874	ug/l #	30
49) 1,4-Dioxane	9.741	88	58	1.791	ug/l #	1
51) 4-Methyl-2-Pentanone	10.441	43	6768	3.461	ug/l #	67
53) t-1,3-Dichloropropene	10.735	75	852	0.269	ug/l	97
54) cis-1,3-Dichloropropene	10.359	75	39882	12.347	ug/l #	72
56) Ethyl methacrylate	10.982	69	1752	0.903	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5541	1.671	ug/l #	42
59) 2-Hexanone	11.200	43	64868	41.285	ug/l #	45
71) Bromoform	12.847	173	1043	0.545	ug/l #	1
74) N-amyl acetate	12.482	43	928	0.308	ug/l #	36
76) 1,2,3-Trichloropropane	12.853	75	81863	26.915	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	81863	90.936	ug/l #	15

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

Instrument :
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ClientSampleId :

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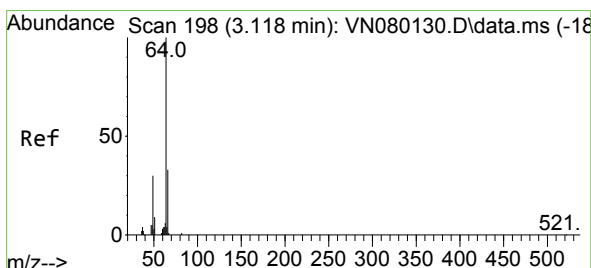
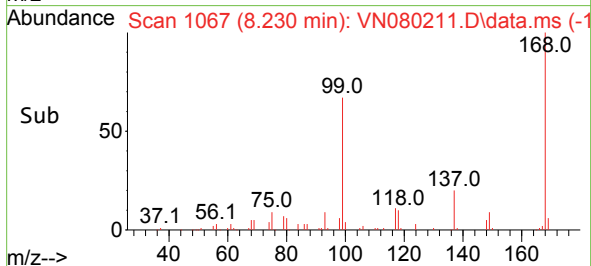
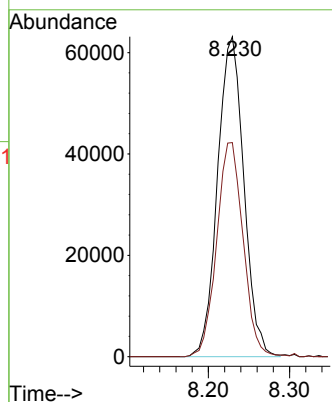
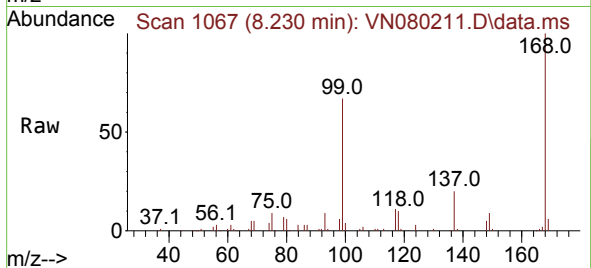




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN080211.D
Acq: 20 Nov 2023 16:35

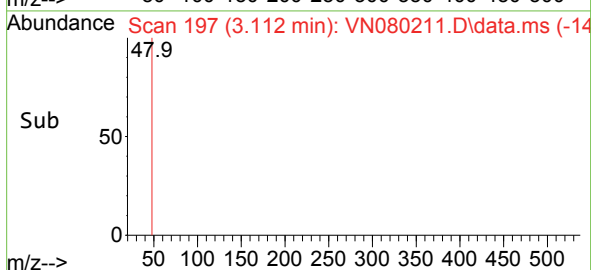
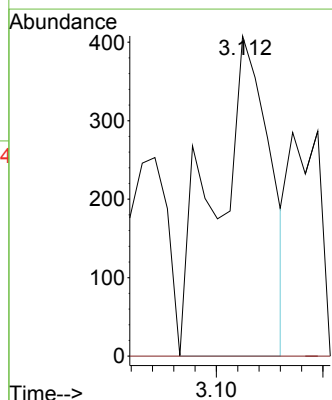
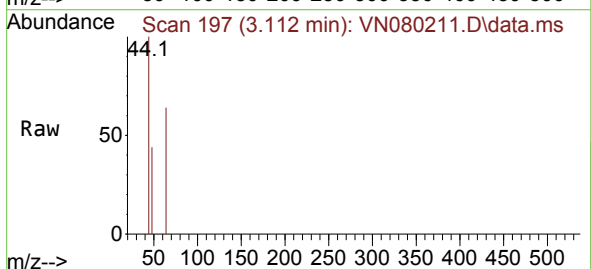
Instrument :
MSVOA_N
ClientSampleId :

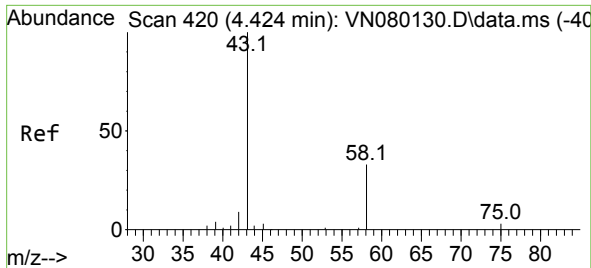
Tgt Ion:168 Resp: 142256
Ion Ratio Lower Upper
168 100
99 66.9 53.0 79.6



#6
Chloroethane
Concen: Below Cal
RT: 3.112 min Scan# 197
Delta R.T. -0.006 min
Lab File: VN080211.D
Acq: 20 Nov 2023 16:35

Tgt Ion: 64 Resp: 726
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

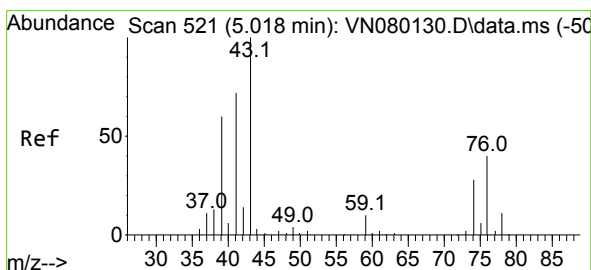
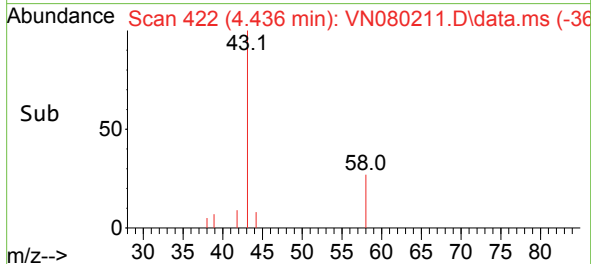
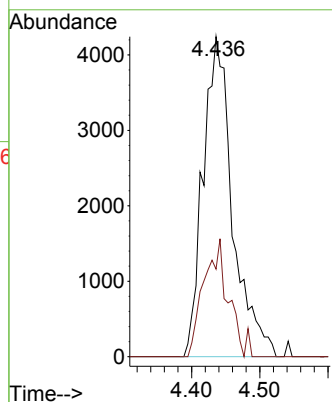
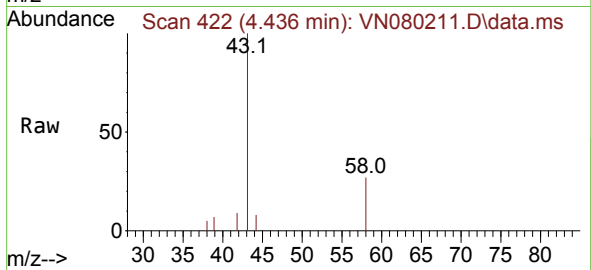




#16
Acetone
Concen: 16.160 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN080211.D
Acq: 20 Nov 2023 16:35

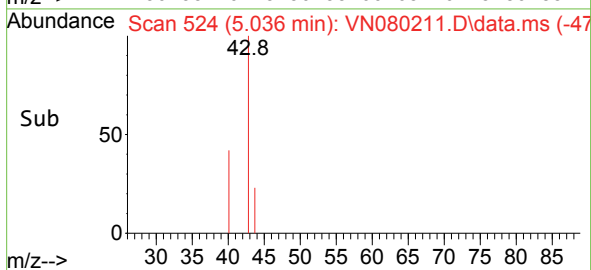
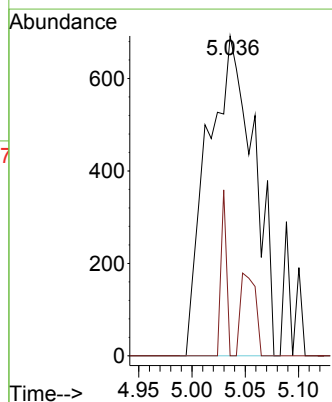
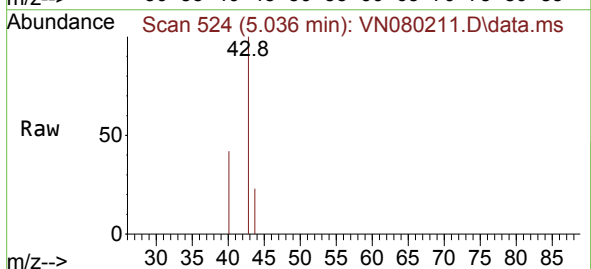
Instrument :
MSVOA_N
ClientSampleId :

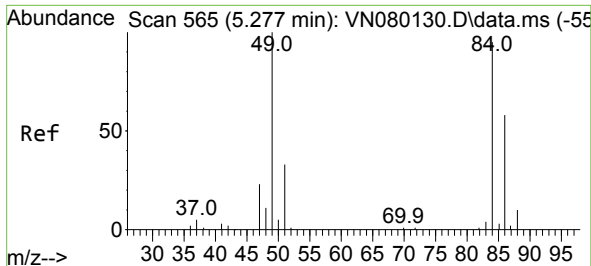
Tgt Ion: 43 Resp: 12749
Ion Ratio Lower Upper
43 100
58 27.3 28.0 42.0#



#18
Methyl Acetate
Concen: 0.823 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.018 min
Lab File: VN080211.D
Acq: 20 Nov 2023 16:35

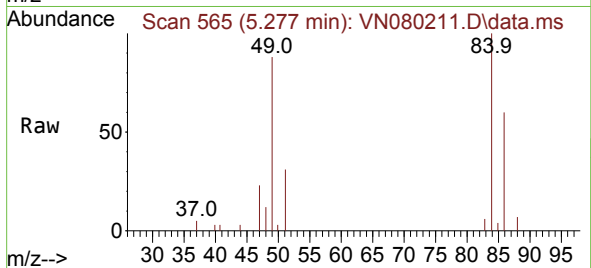
Tgt Ion: 43 Resp: 2087
Ion Ratio Lower Upper
43 100
74 6.1 26.2 39.4#



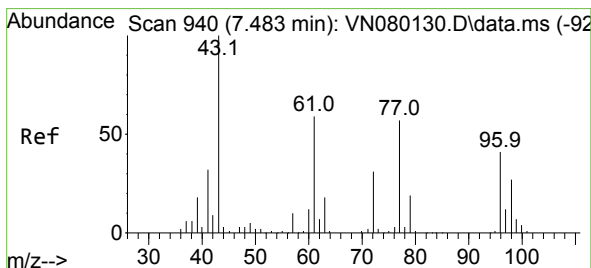
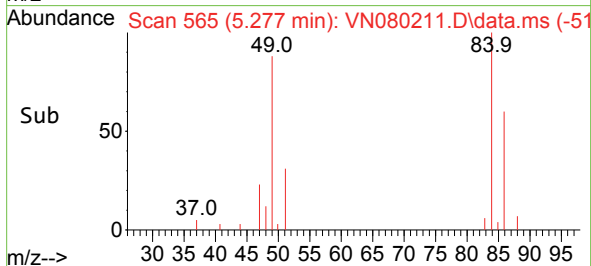
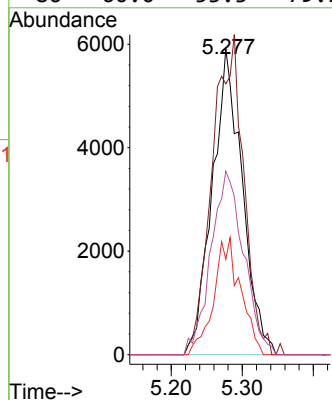


#20
Methylene Chloride
Concen: 10.474 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN080211.D
Acq: 20 Nov 2023 16:35

Instrument :
MSVOA_N
ClientSampleId :

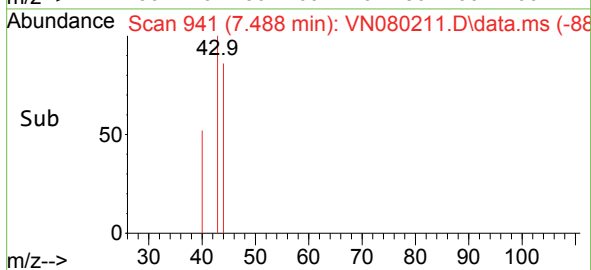
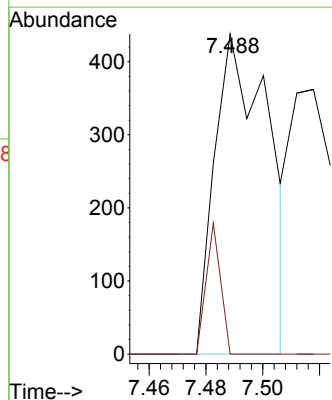
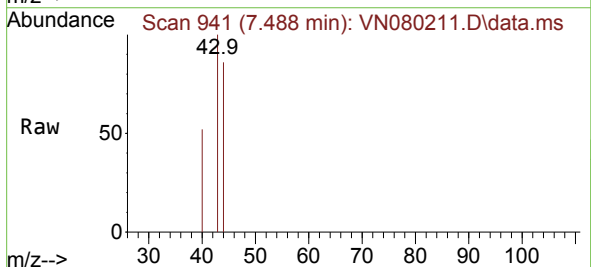


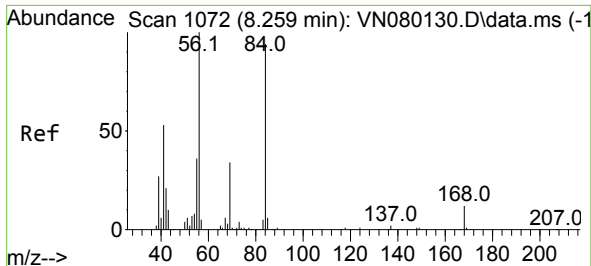
Tgt Ion: 84	Resp: 17305
Ion Ratio	Lower Upper
84 100	
49 88.5	79.7 119.5
51 31.2	25.2 37.8
86 60.0	53.3 79.9



#25
2-Butanone
Concen: 0.616 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN080211.D
Acq: 20 Nov 2023 16:35

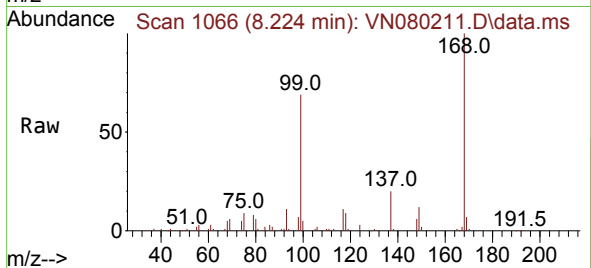
Tgt Ion: 43	Resp: 577		
Ion Ratio	Lower	Upper	
43 100			
72 0.0	30.2	45.2#	



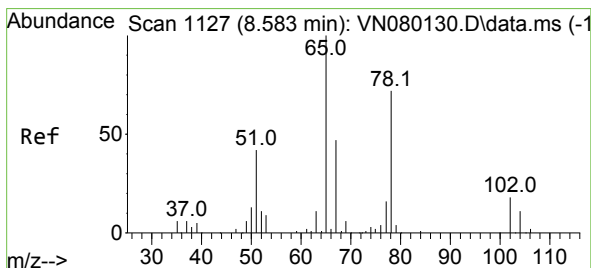
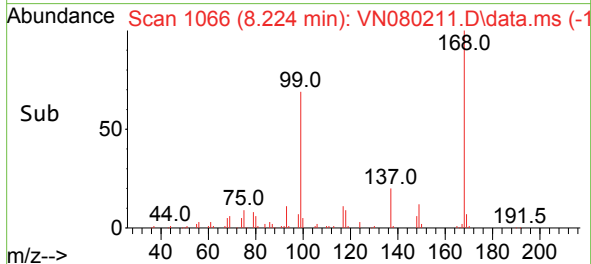
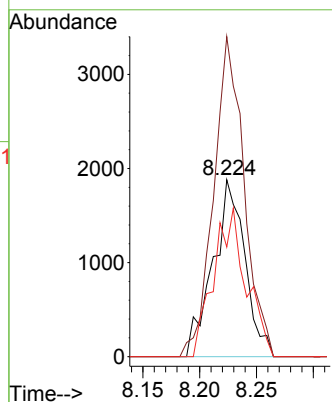


#31
Cyclohexane
Concen: 1.436 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN080211.D
Acq: 20 Nov 2023 16:35

Instrument :
MSVOA_N
ClientSampleId :

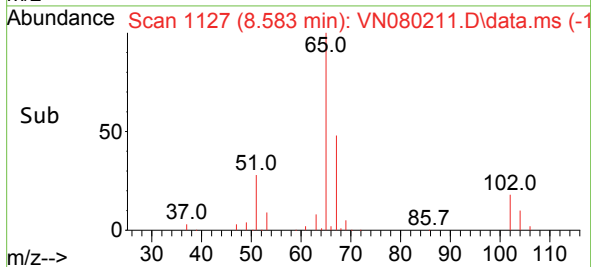
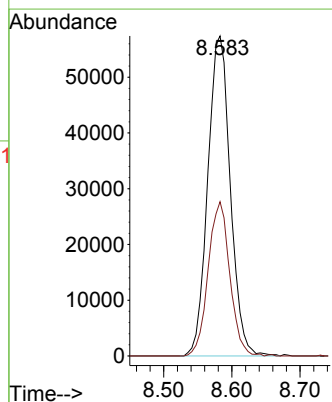
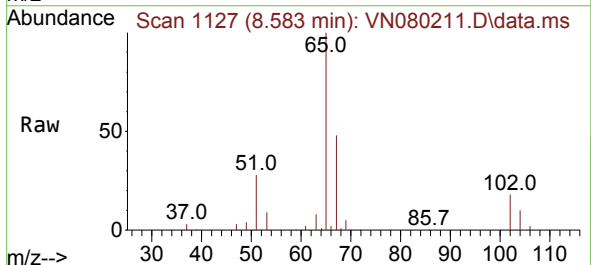


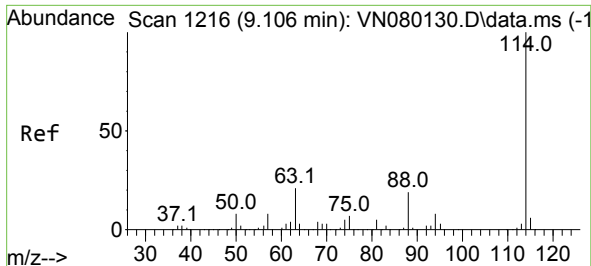
Tgt Ion: 56 Resp: 3669
Ion Ratio Lower Upper
56 100
69 180.8 26.8 40.2#
84 61.9 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 56.207 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN080211.D
Acq: 20 Nov 2023 16:35

Tgt Ion: 65 Resp: 132022
Ion Ratio Lower Upper
65 100
67 46.2 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN080211.D

Acq: 20 Nov 2023 16:35

Instrument :

MSVOA_N

ClientSampleId :

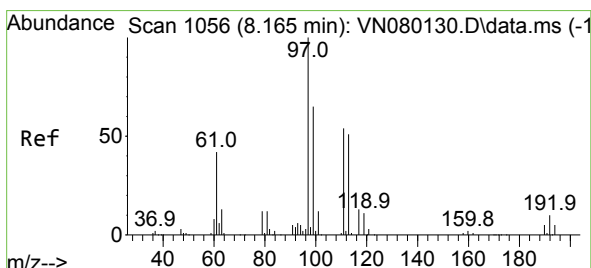
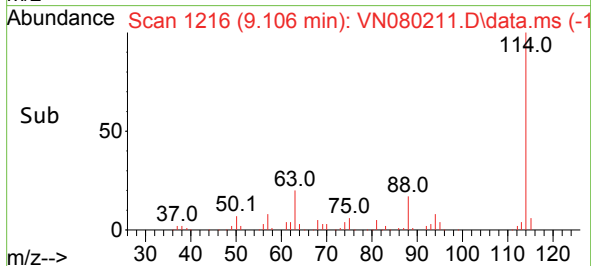
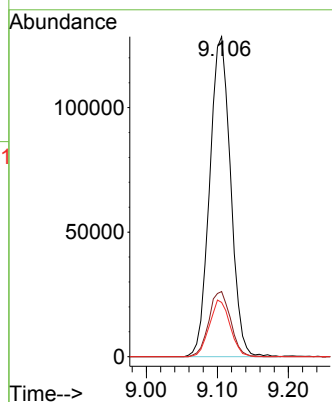
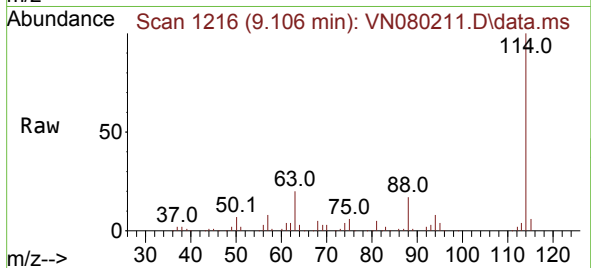
Tgt Ion:114 Resp: 261919

Ion Ratio Lower Upper

114 100

63 20.3 0.0 36.4

88 17.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 52.551 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN080211.D

Acq: 20 Nov 2023 16:35

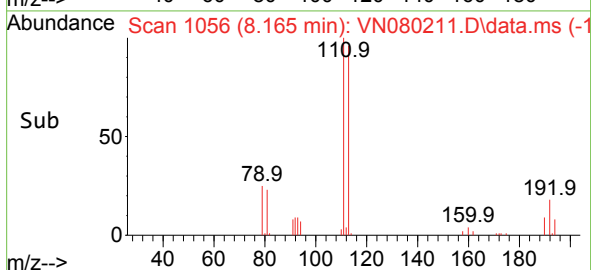
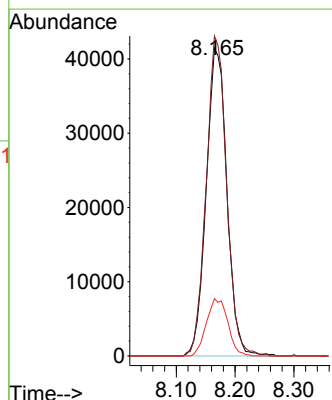
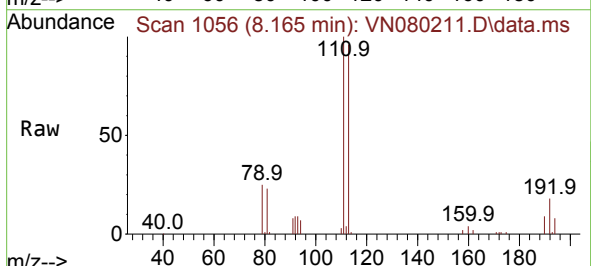
Tgt Ion:113 Resp: 101560

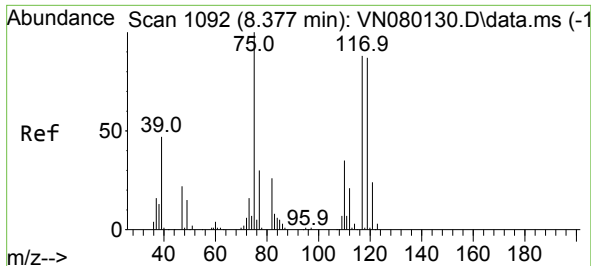
Ion Ratio Lower Upper

113 100

111 102.5 82.6 123.8

192 19.3 12.7 19.1#





#36

1,1-Dichloropropene

Concen: 4.229 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

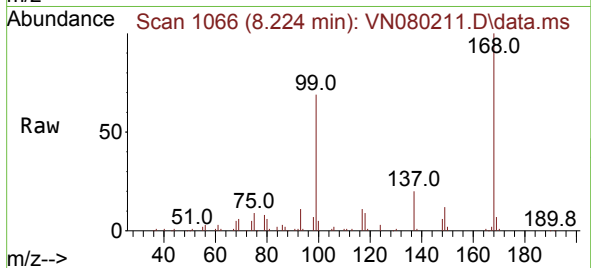
Lab File: VN080211.D

Acq: 20 Nov 2023 16:35

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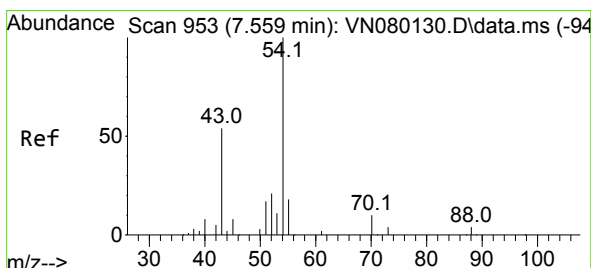
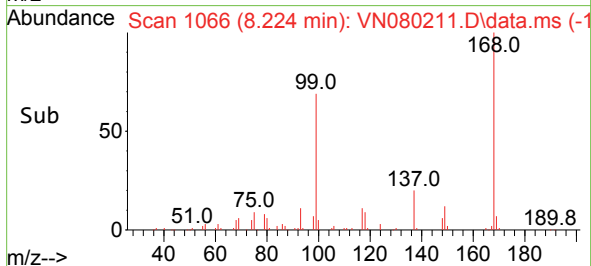
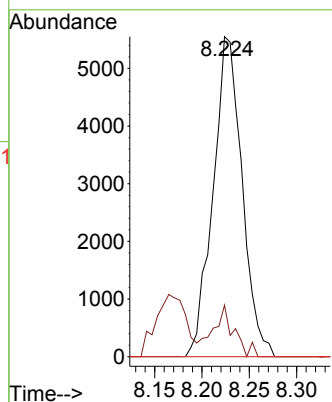
Tgt Ion: 75 Resp: 11834

Ion Ratio Lower Upper

75 100

110 11.8 19.1 57.3#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 0.343 ug/l

RT: 7.559 min Scan# 953

Delta R.T. -0.000 min

Lab File: VN080211.D

Acq: 20 Nov 2023 16:35

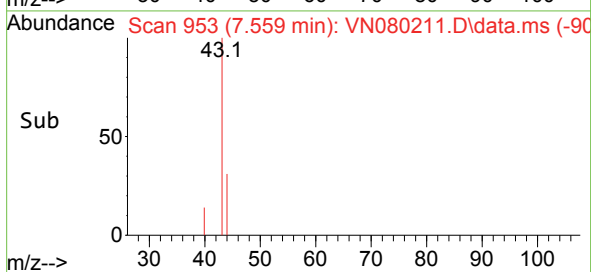
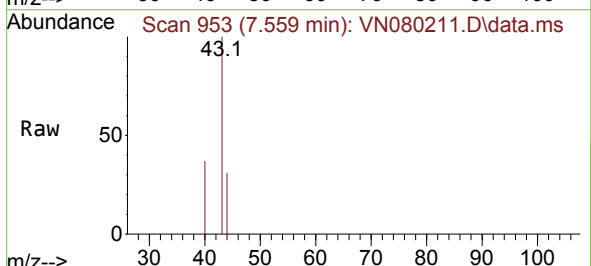
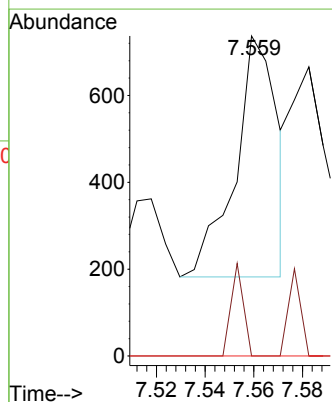
Tgt Ion: 43 Resp: 666

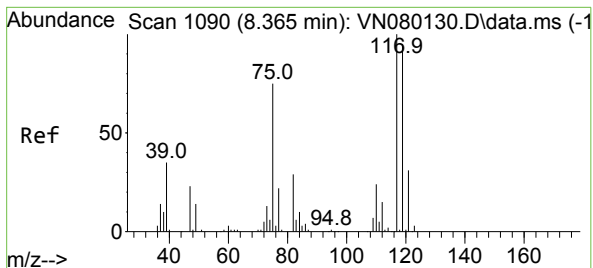
Ion Ratio Lower Upper

43 100

61 11.3 13.2 19.8#

70 0.0 11.3 16.9#





#38

Carbon Tetrachloride

Concen: 4.610 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.135 min

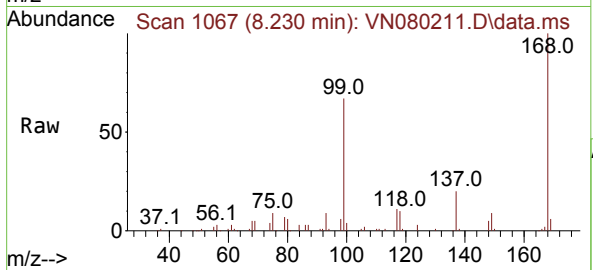
Lab File: VN080211.D

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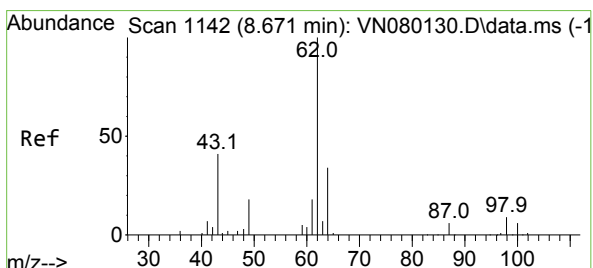
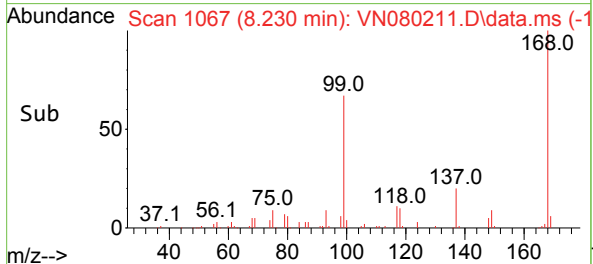
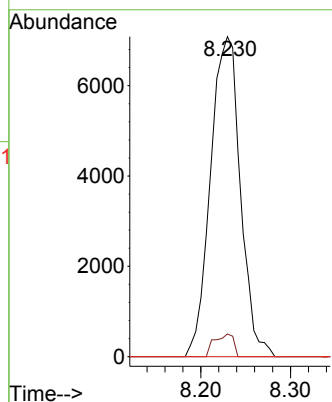
Tgt Ion:117 Resp: 16370

Ion Ratio Lower Upper

117 100

119 7.1 77.3 115.9#

121 0.0 23.3 34.9#



#42

1,2-Dichloroethane

Concen: 0.201 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. 0.012 min

Lab File: VN080211.D

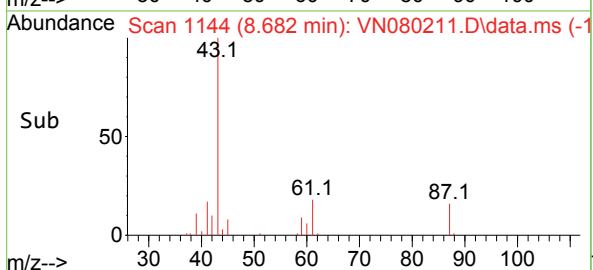
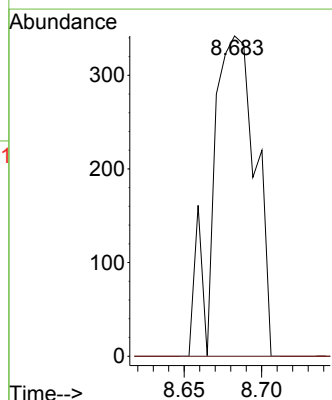
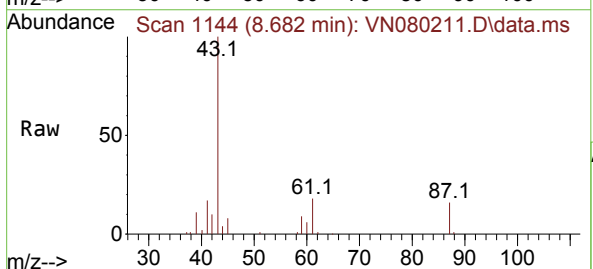
Acq: 20 Nov 2023 16:35

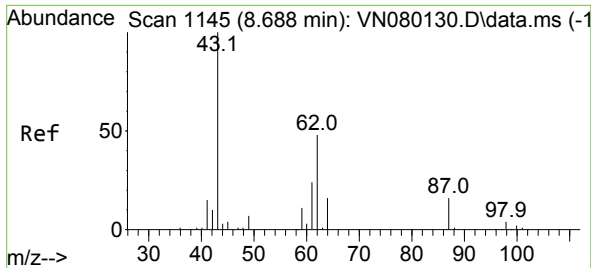
Tgt Ion: 62 Resp: 653

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8

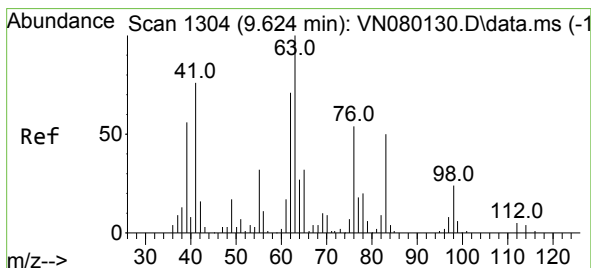
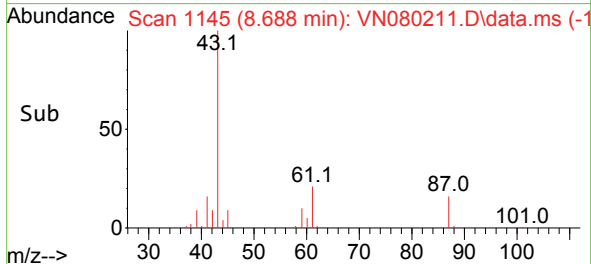
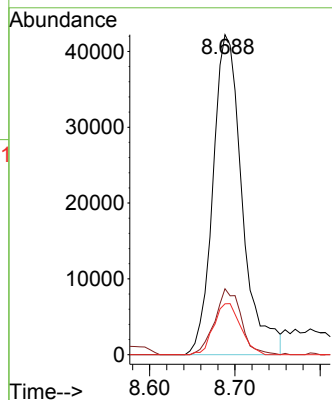
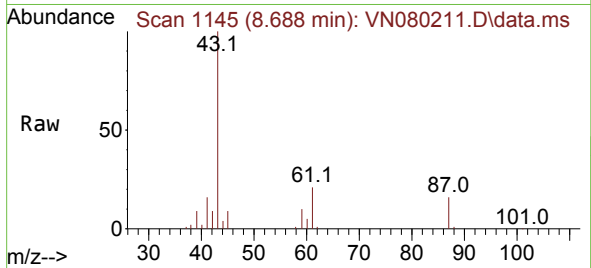




#43
Isopropyl Acetate
Concen: 26.648 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN080211.D
Acq: 20 Nov 2023 16:35

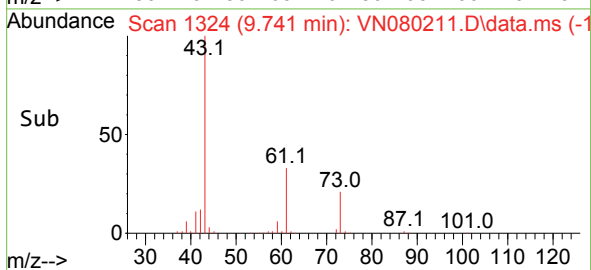
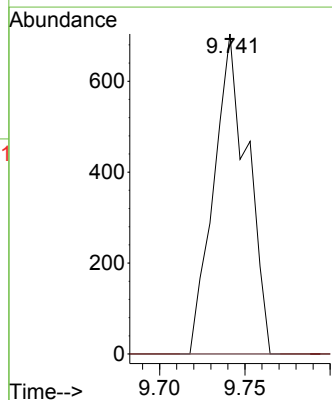
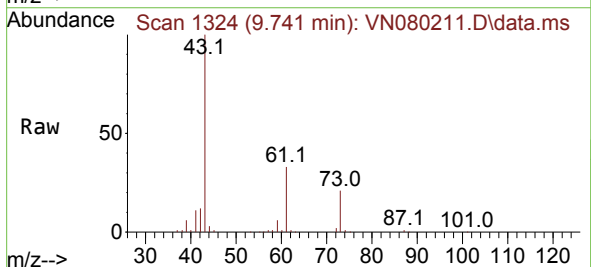
Instrument :
MSVOA_N
ClientSampleId :

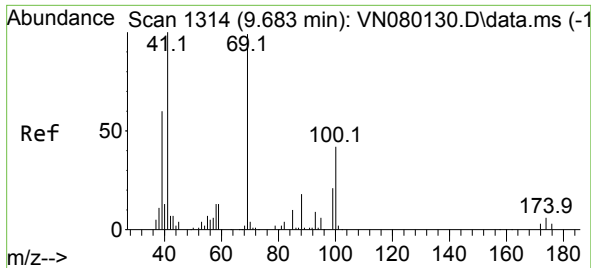
Tgt Ion: 43 Resp: 100646
Ion Ratio Lower Upper
43 100
61 18.4 24.7 37.1#
87 14.7 14.6 21.8



#45
1,2-Dichloropropane
Concen: 0.527 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.118 min
Lab File: VN080211.D
Acq: 20 Nov 2023 16:35

Tgt Ion: 63 Resp: 974
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#

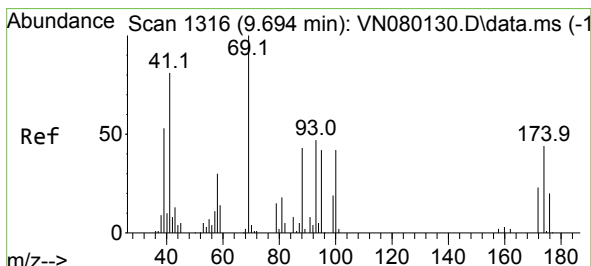
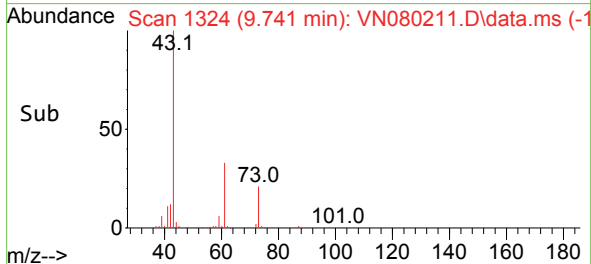
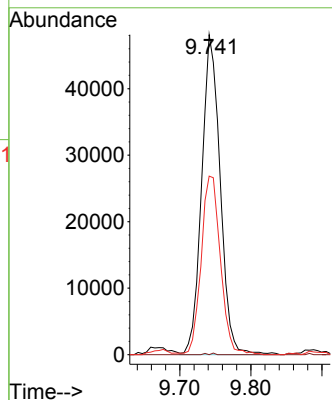
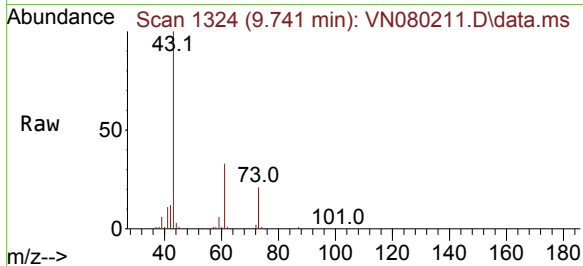




#48
Methyl methacrylate
Concen: 44.874 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.059 min
Lab File: VN080211.D
Acq: 20 Nov 2023 16:35

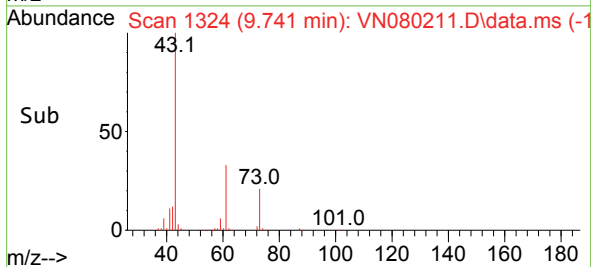
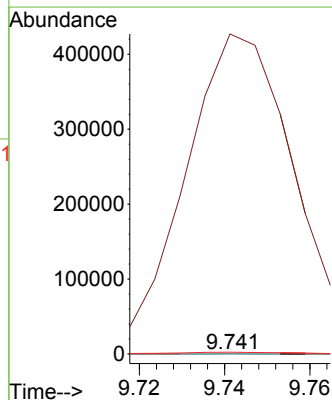
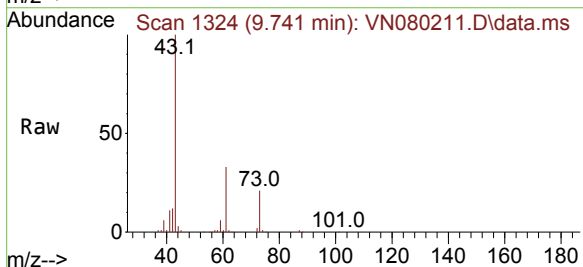
Instrument :
MSVOA_N
ClientSampleId :

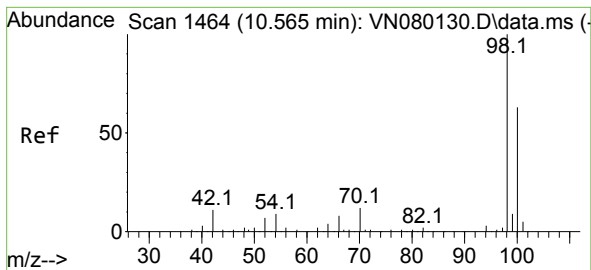
Tgt Ion: 41 Resp: 87339
Ion Ratio Lower Upper
41 100
69 0.1 90.4 135.6#
39 58.1 54.6 81.8



#49
1,4-Dioxane
Concen: 1.791 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.047 min
Lab File: VN080211.D
Acq: 20 Nov 2023 16:35

Tgt Ion: 88 Resp: 58
Ion Ratio Lower Upper
88 100
43 1346044.8 17.0 25.6#
58 7891.4 47.0 70.4#





#50

Toluene-d8

Concen: 52.000 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN080211.D

Acq: 20 Nov 2023 16:35

Instrument :

MSVOA_N

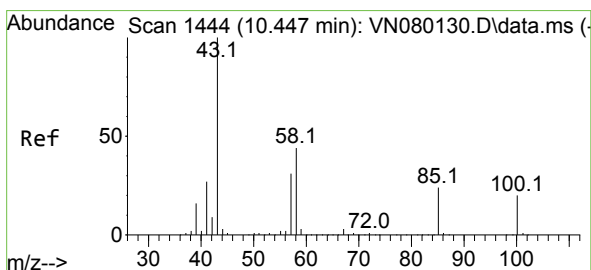
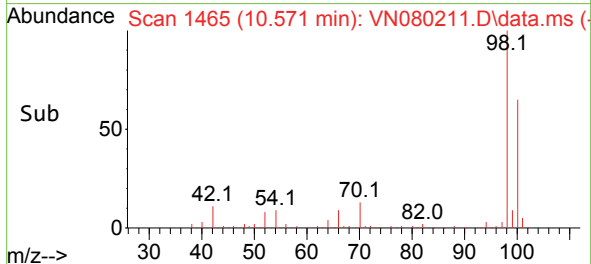
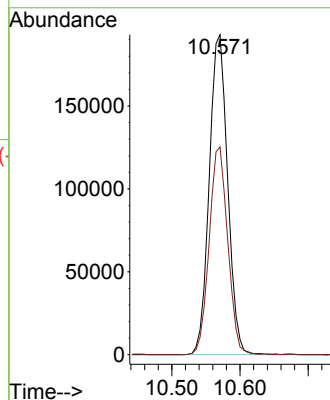
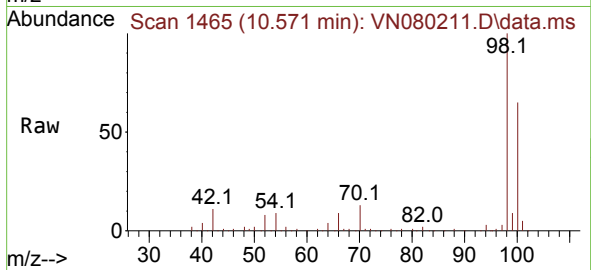
ClientSampleId :

Tgt Ion: 98 Resp: 362267

Ion Ratio Lower Upper

98 100

100 65.6 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 3.461 ug/l

RT: 10.441 min Scan# 1443

Delta R.T. -0.006 min

Lab File: VN080211.D

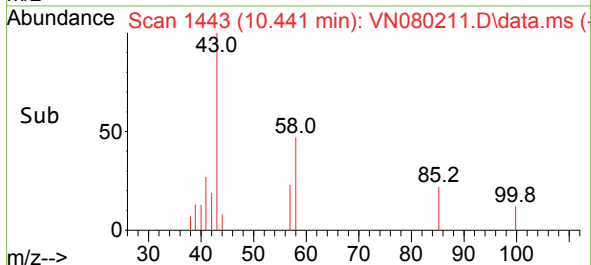
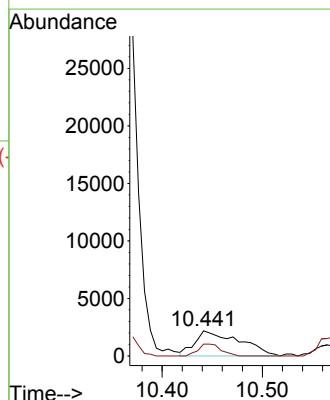
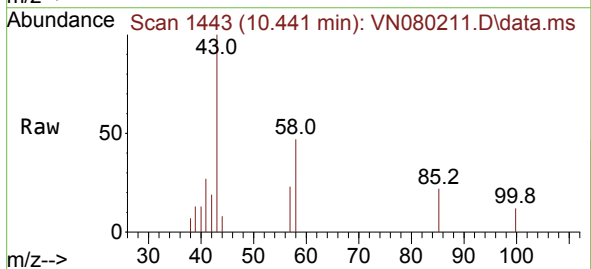
Acq: 20 Nov 2023 16:35

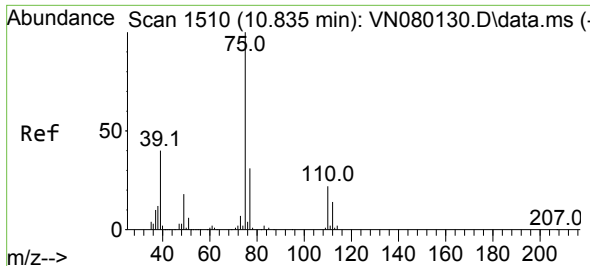
Tgt Ion: 43 Resp: 6768

Ion Ratio Lower Upper

43 100

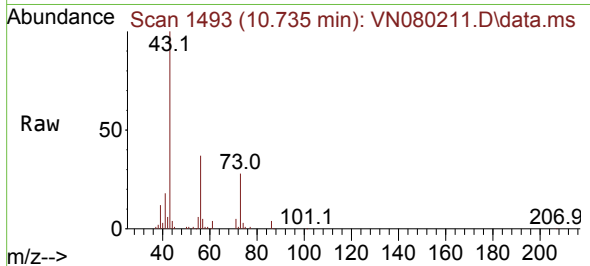
58 24.3 36.6 54.8#



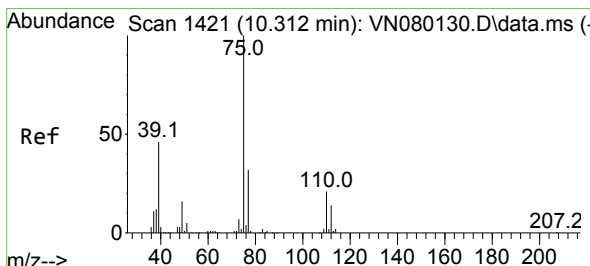
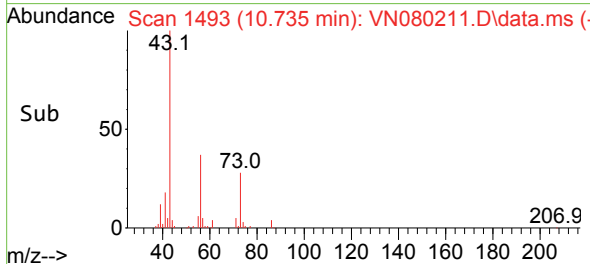
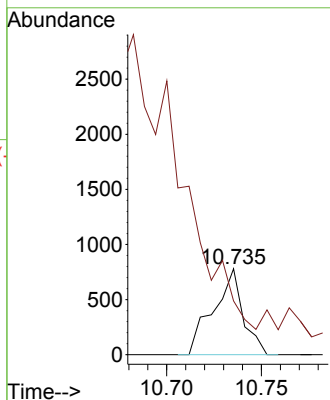


#53
 t-1,3-Dichloropropene
 Concen: 0.269 ug/l
 RT: 10.735 min Scan# 1493
 Delta R.T. -0.100 min
 Lab File: VN080211.D
 Acq: 20 Nov 2023 16:35

Instrument :
 MSVOA_N
 ClientSampleId :

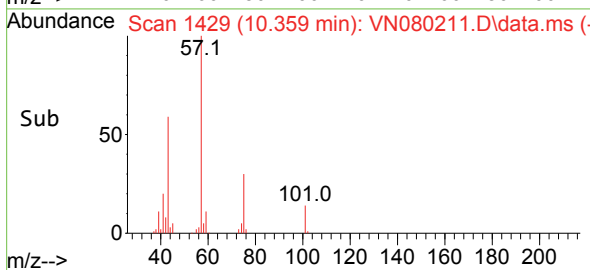
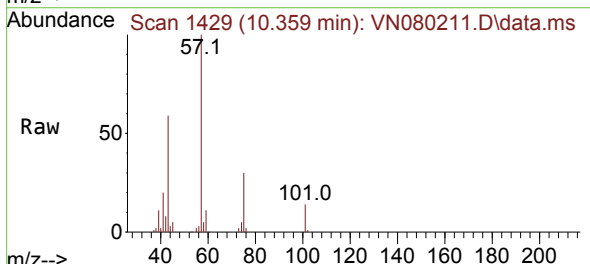
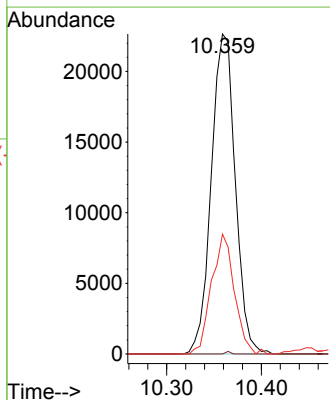


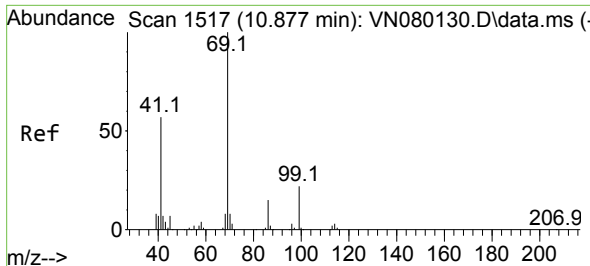
Tgt Ion: 75 Resp: 852
 Ion Ratio Lower Upper
 75 100
 77 33.5 25.4 38.0



#54
 cis-1,3-Dichloropropene
 Concen: 12.347 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN080211.D
 Acq: 20 Nov 2023 16:35

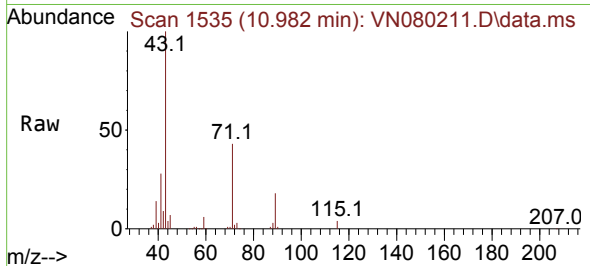
Tgt Ion: 75 Resp: 39882
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 37.4 31.6 47.4



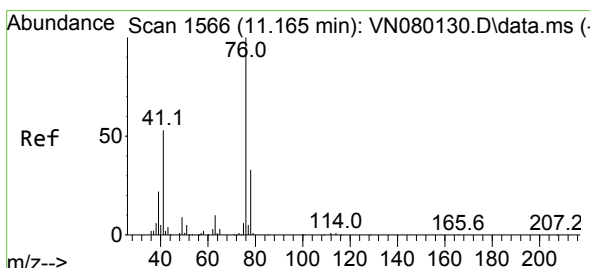
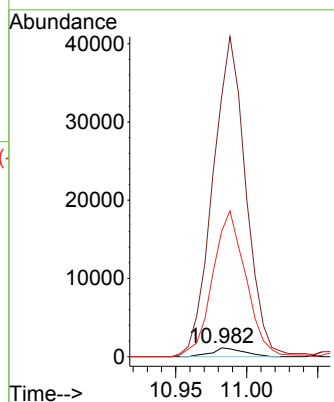
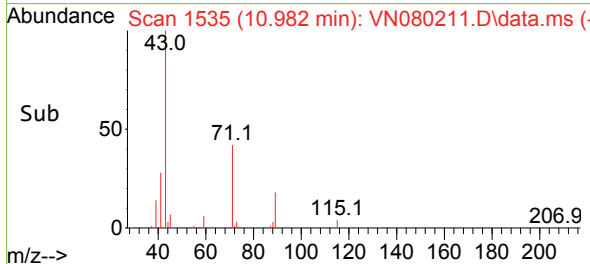


#56
Ethyl methacrylate
Concen: 0.903 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.106 min
Lab File: VN080211.D
Acq: 20 Nov 2023 16:35

Instrument :
MSVOA_N
ClientSampleId :

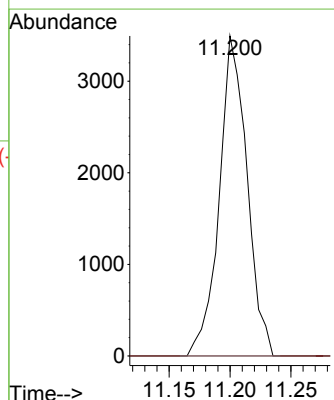
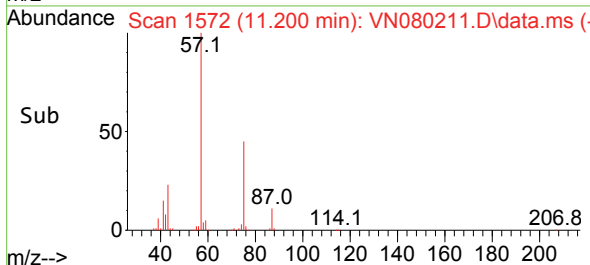
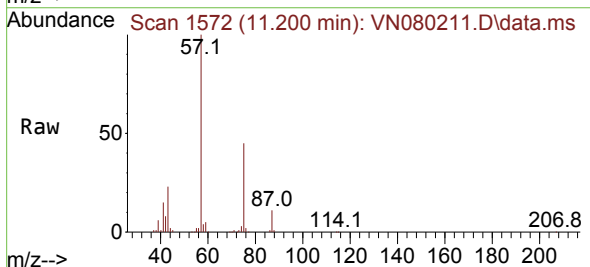


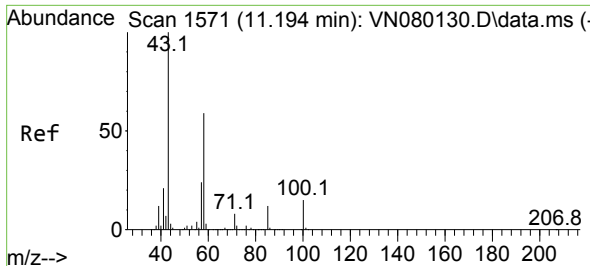
Tgt Ion: 69 Resp: 1752
Ion Ratio Lower Upper
69 100
41 3787.6 39.6 59.4#
39 1736.2 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.671 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN080211.D
Acq: 20 Nov 2023 16:35

Tgt Ion: 76 Resp: 5541
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

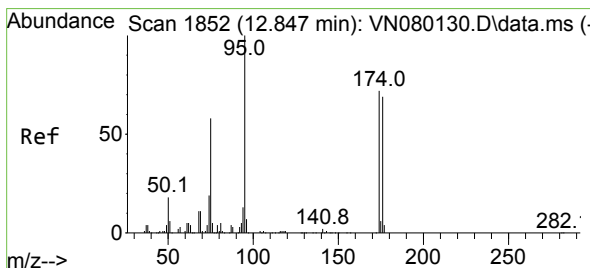
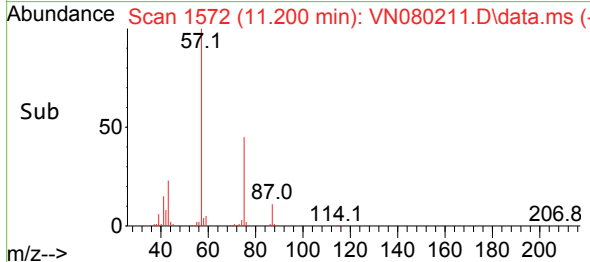
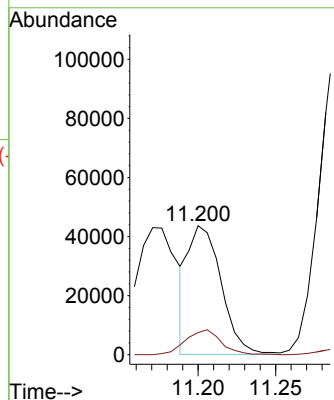
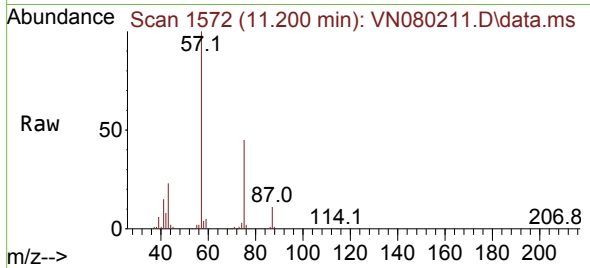




#59
2-Hexanone
Concen: 41.285 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN080211.D
Acq: 20 Nov 2023 16:35

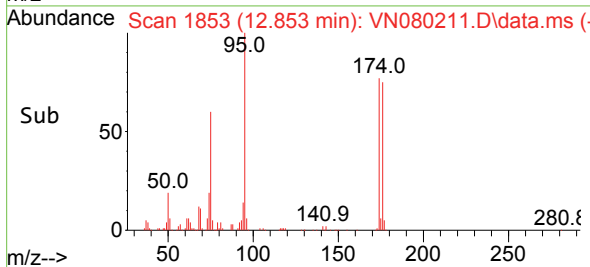
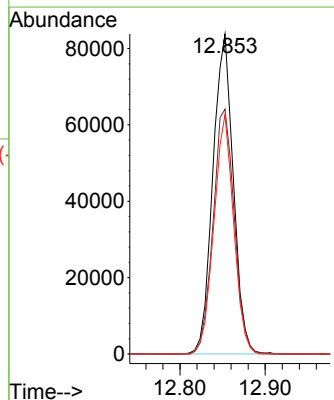
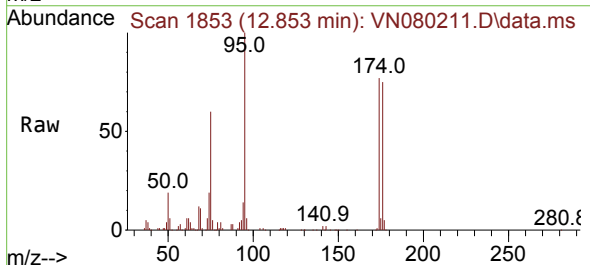
Instrument :
MSVOA_N
ClientSampleId :

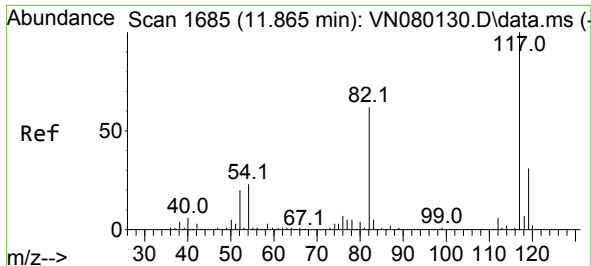
Tgt Ion: 43 Resp: 64868
Ion Ratio Lower Upper
43 100
58 20.7 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 52.839 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080211.D
Acq: 20 Nov 2023 16:35

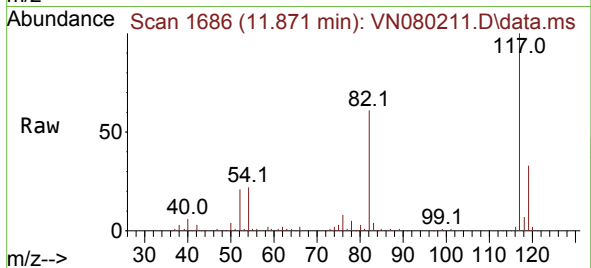
Tgt Ion: 95 Resp: 139042
Ion Ratio Lower Upper
95 100
174 79.8 0.0 143.8
176 72.7 0.0 135.8



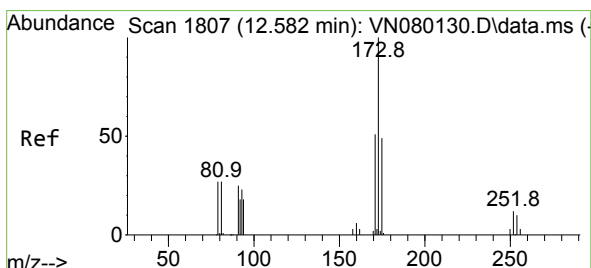
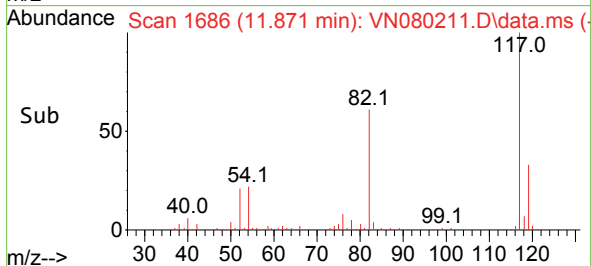
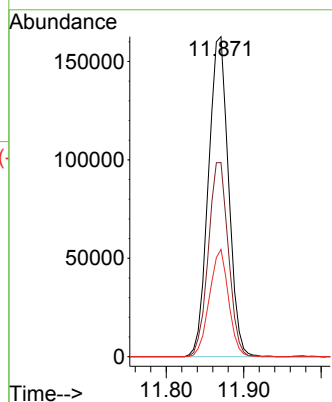


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN080211.D
Acq: 20 Nov 2023 16:35

Instrument :
MSVOA_N
ClientSampleId :

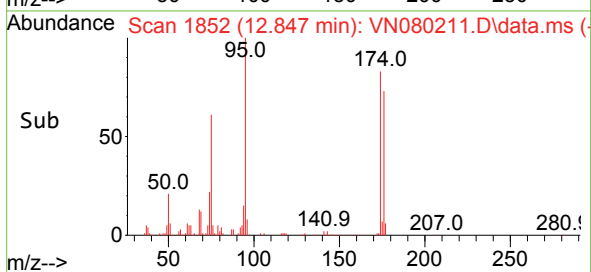
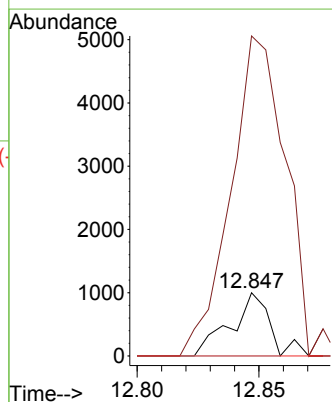
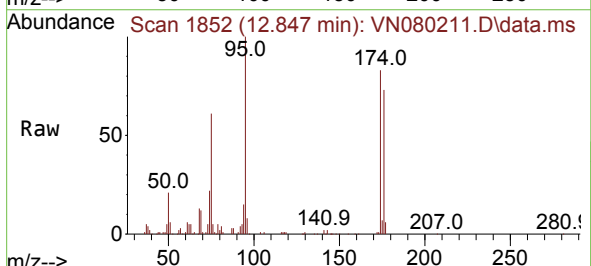


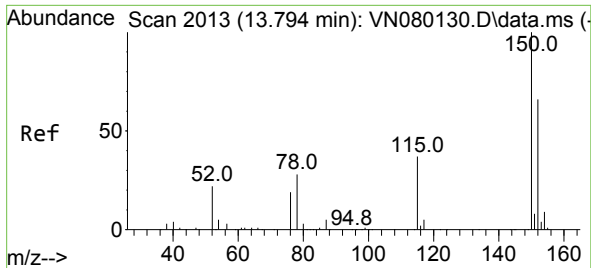
Tgt Ion:117 Resp: 293654
Ion Ratio Lower Upper
117 100
82 60.7 44.0 66.0
119 33.5 25.6 38.4



#71
Bromoform
Concen: 0.545 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN080211.D
Acq: 20 Nov 2023 16:35

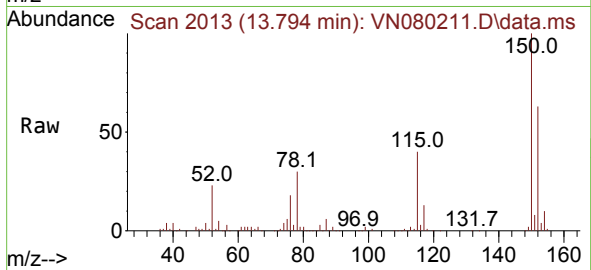
Tgt Ion:173 Resp: 1043
Ion Ratio Lower Upper
173 100
175 659.3 24.3 73.0#
254 0.0 0.0 0.0



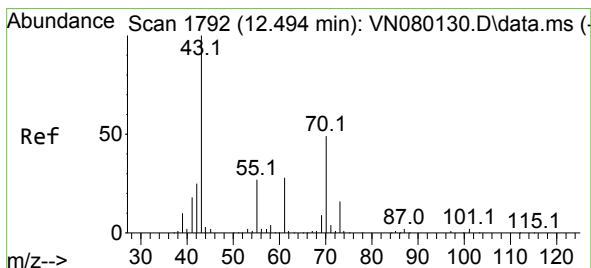
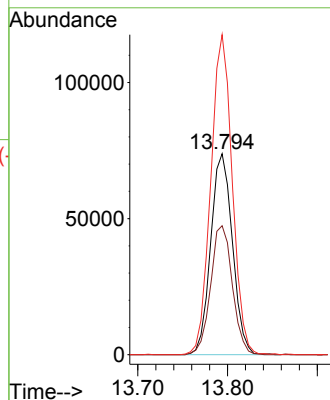
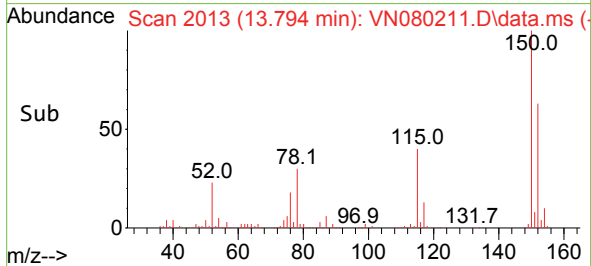


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN080211.D
 Acq: 20 Nov 2023 16:35

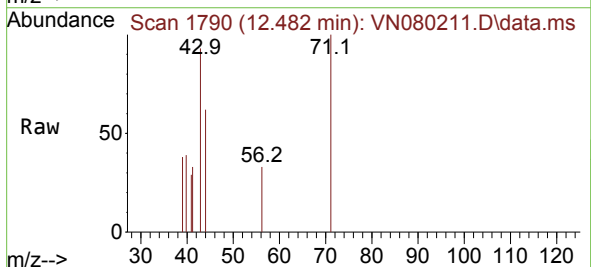
Instrument :
 MSVOA_N
 ClientSampleId :



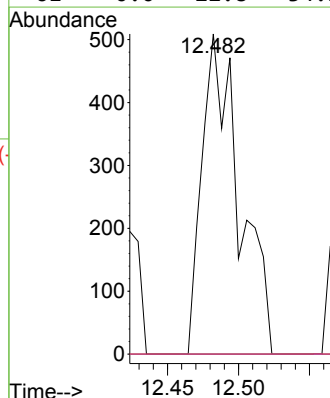
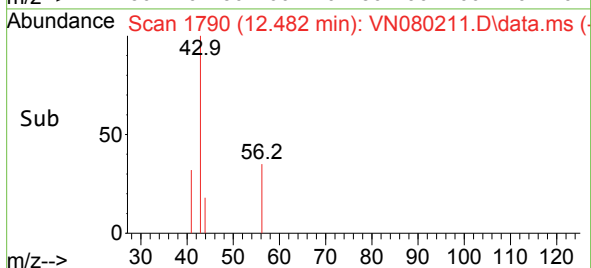
Tgt Ion:152 Resp: 124134
 Ion Ratio Lower Upper
 152 100
 115 64.1 32.3 96.8
 150 157.3 0.0 355.8

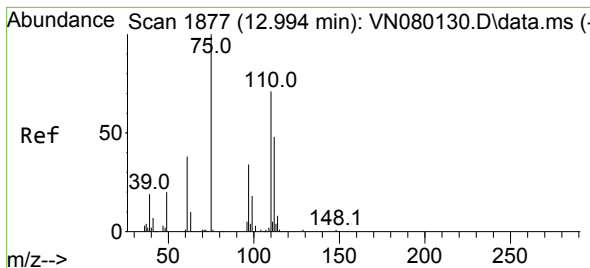


#74
 N-ethyl acetate
 Concen: 0.308 ug/l
 RT: 12.482 min Scan# 1790
 Delta R.T. -0.012 min
 Lab File: VN080211.D
 Acq: 20 Nov 2023 16:35



Tgt Ion: 43 Resp: 928
 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#

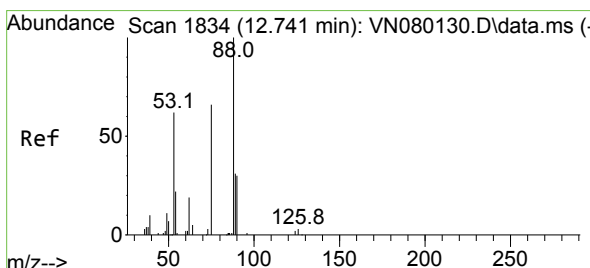
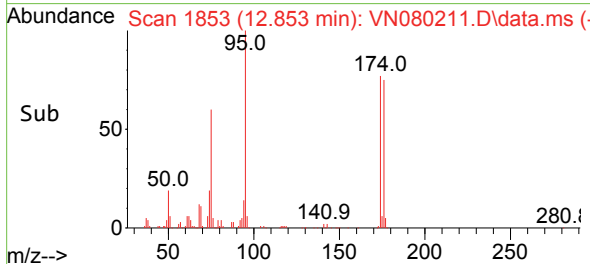
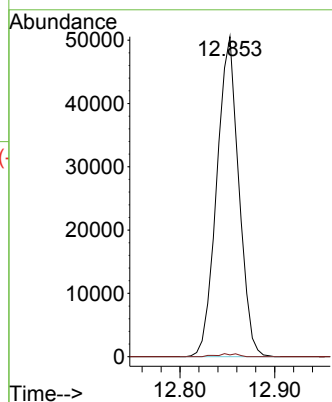
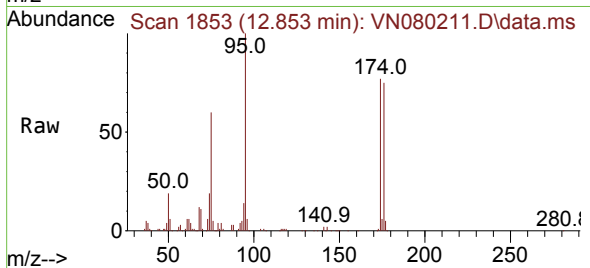




#76
1,2,3-Trichloropropane
Concen: 26.915 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080211.D
Acq: 20 Nov 2023 16:35

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 81863
Ion Ratio Lower Upper
75 100
77 0.9 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.936 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN080211.D
Acq: 20 Nov 2023 16:35

Tgt Ion: 75 Resp: 81863
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

