

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112023\
 Data File : VN080212.D
 Acq On : 20 Nov 2023 16:59
 Operator : JC\MD
 Sample : PB157250ZHE#06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 21 01:07:51 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)

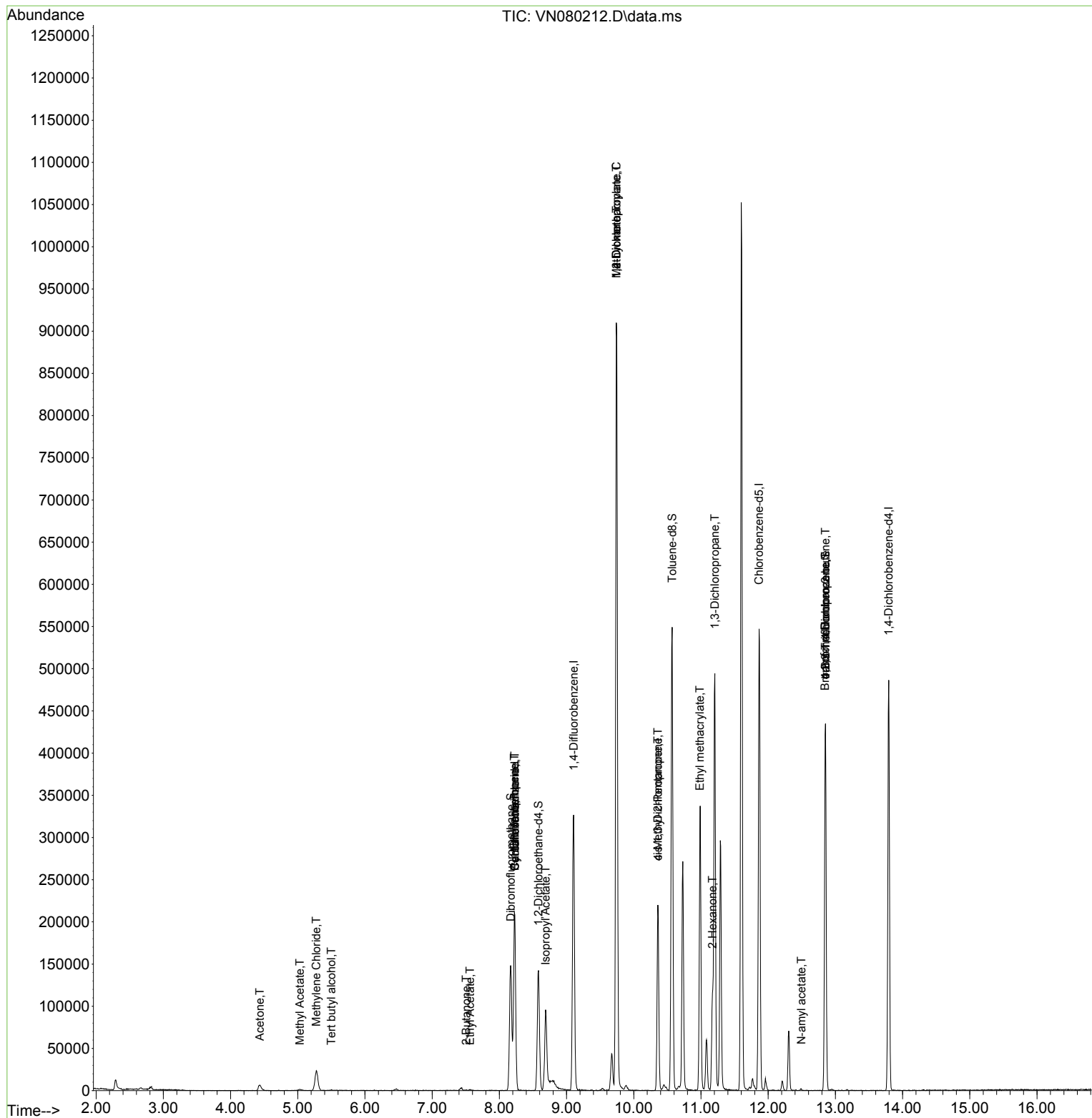
Internal Standards						
1) Pentafluorobenzene	8.230	168	142293	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	268951	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	304931	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	128299	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	135503	57.674	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.340%			
35) Dibromofluoromethane	8.171	113	102151	51.474	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.940%			
50) Toluene-d8	10.571	98	377904	52.826	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.660%			
62) 4-Bromofluorobenzene	12.853	95	147048	54.420	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.840%			
Target Compounds						
					Qvalue	
6) Chloroethane	3.136	64	582	Below Cal	#	43
11) Tert butyl alcohol	5.500	59	66	0.255	ug/l #	72
16) Acetone	4.436	43	13497	17.104	ug/l #	83
18) Methyl Acetate	5.030	43	2568	1.013	ug/l #	55
20) Methylene Chloride	5.277	84	19679	11.908	ug/l	95
25) 2-Butanone	7.506	43	1272	1.357	ug/l #	37
31) Cyclohexane	8.230	56	3431	1.343	ug/l #	50
36) 1,1-Dichloropropene	8.224	75	12503	4.352	ug/l #	52
37) Ethyl Acetate	7.565	43	1756	0.881	ug/l #	63
38) Carbon Tetrachloride	8.230	117	17781	4.877	ug/l #	14
43) Isopropyl Acetate	8.688	43	109311	28.186	ug/l #	81
45) 1,2-Dichloropropane	9.741	63	1256	0.662	ug/l #	45
48) Methyl methacrylate	9.741	41	91468	45.766	ug/l #	29
49) 1,4-Dioxane	9.741	88	82	2.466	ug/l #	1
51) 4-Methyl-2-Pentanone	10.359	43	78669	39.181	ug/l #	41
54) cis-1,3-Dichloropropene	10.359	75	41522	12.519	ug/l #	69
56) Ethyl methacrylate	10.982	69	1992	1.000	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5465	1.605	ug/l #	42
59) 2-Hexanone	11.171	43	83371	51.674	ug/l #	19
71) Bromoform	12.847	173	598	0.301	ug/l #	1
74) N-amyl acetate	12.494	43	660	0.212	ug/l #	36
76) 1,2,3-Trichloropropane	12.853	75	84727	26.953	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	84727	91.062	ug/l #	15

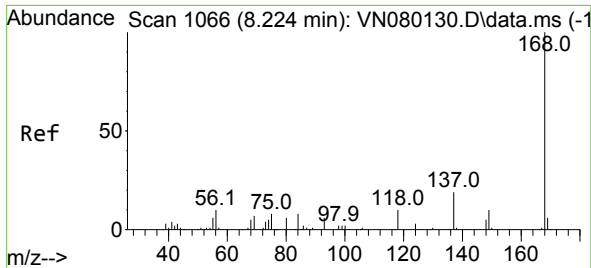
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 21 01:07:51 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

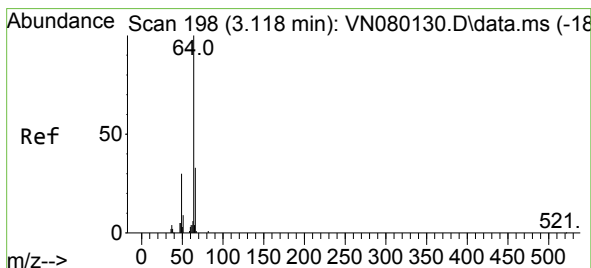
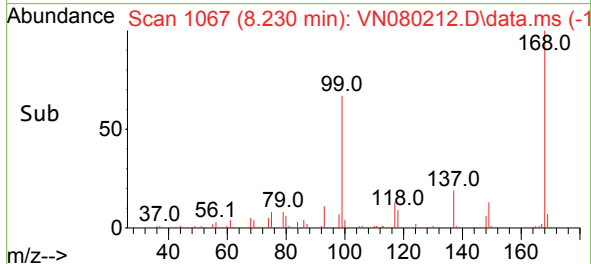
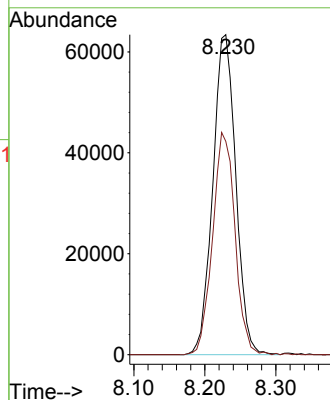
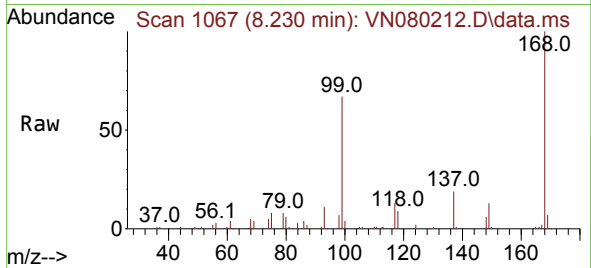




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN080212.D
Acq: 20 Nov 2023 16:59

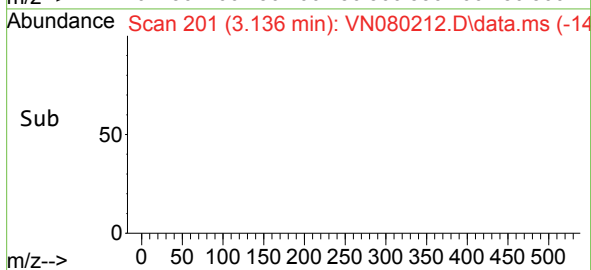
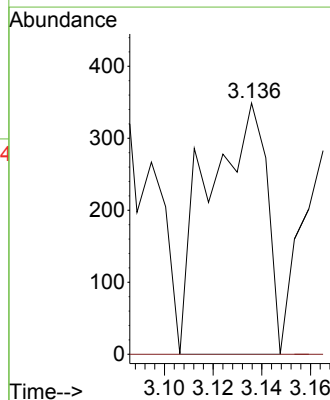
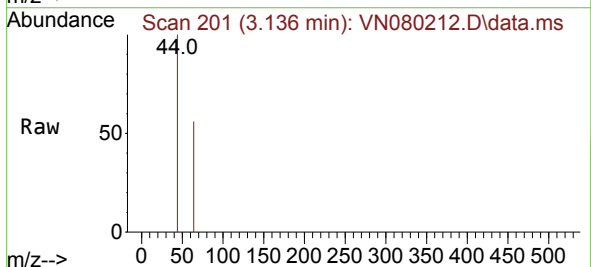
Instrument :
MSVOA_N
ClientSampleId :

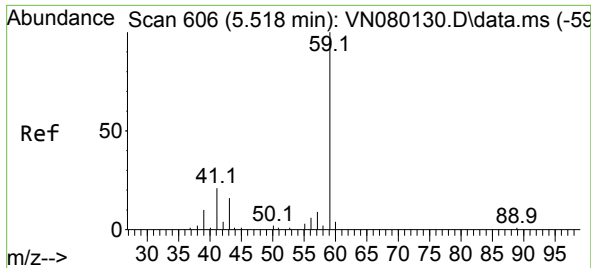
Tgt Ion:168 Resp: 142293
Ion Ratio Lower Upper
168 100
99 66.7 53.0 79.6



#6
Chloroethane
Concen: Below Cal
RT: 3.136 min Scan# 201
Delta R.T. 0.018 min
Lab File: VN080212.D
Acq: 20 Nov 2023 16:59

Tgt Ion: 64 Resp: 582
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

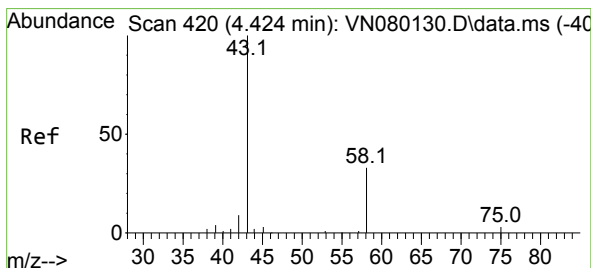
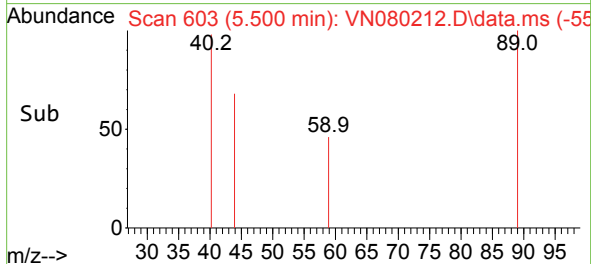
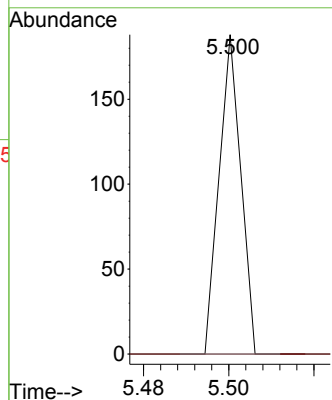
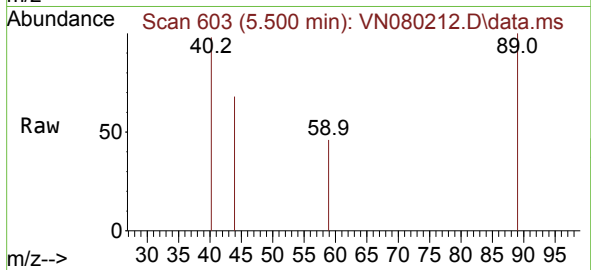




#11
Tert butyl alcohol
Concen: 0.255 ug/l
RT: 5.500 min Scan# 606
Delta R.T. -0.018 min
Lab File: VN080212.D
Acq: 20 Nov 2023 16:59

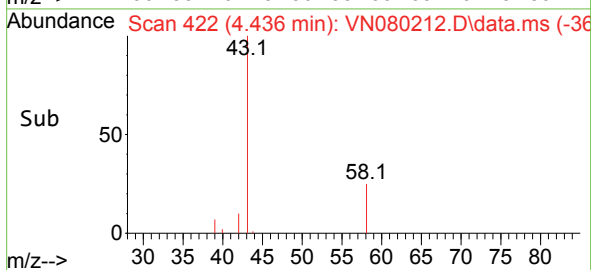
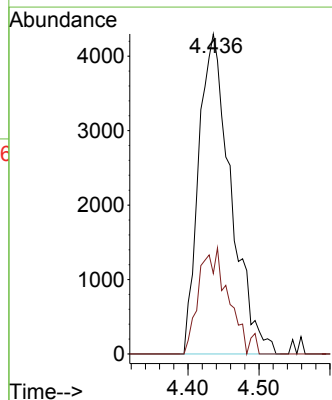
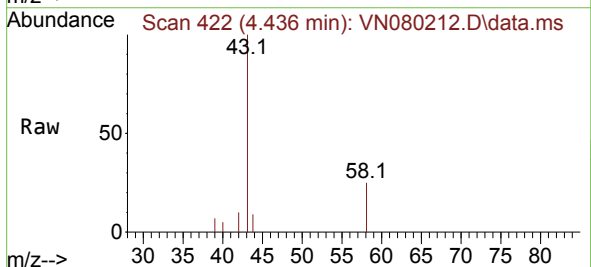
Instrument :
MSVOA_N
ClientSampleId :

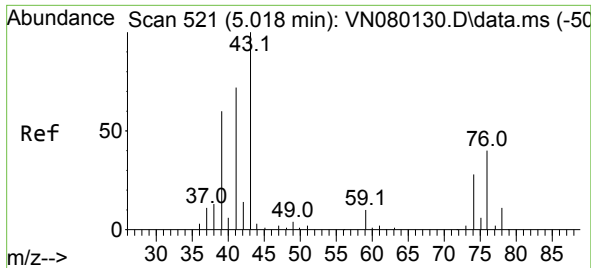
Tgt Ion: 59 Resp: 66
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 17.104 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN080212.D
Acq: 20 Nov 2023 16:59

Tgt Ion: 43 Resp: 13497
Ion Ratio Lower Upper
43 100
58 25.1 28.0 42.0#

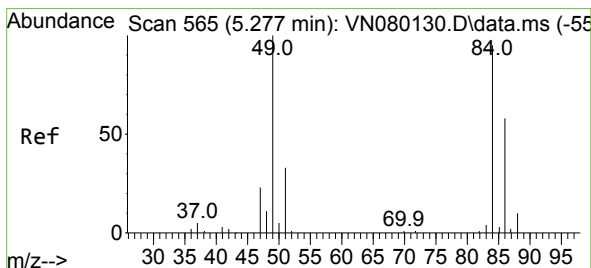
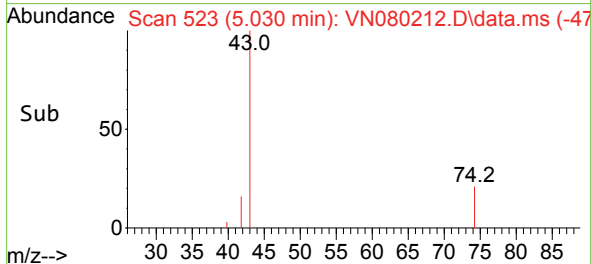
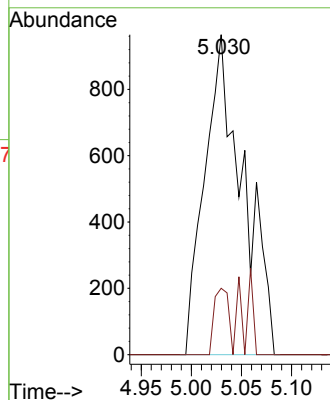
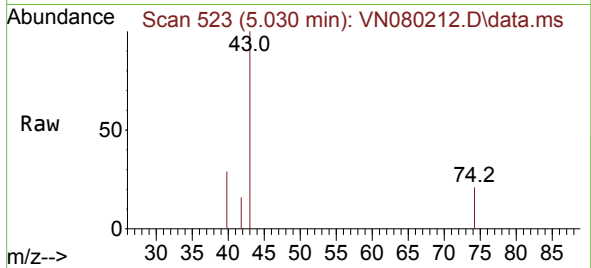




#18
Methyl Acetate
Concen: 1.013 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN080212.D
Acq: 20 Nov 2023 16:59

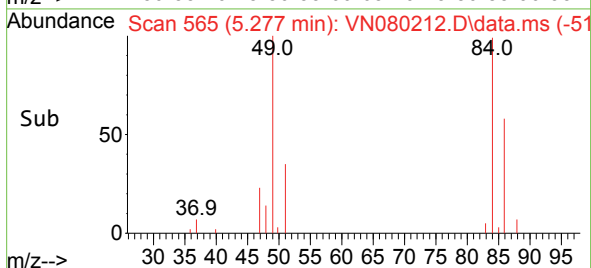
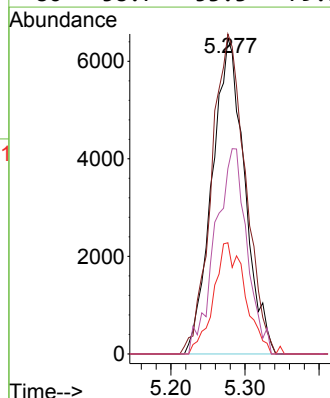
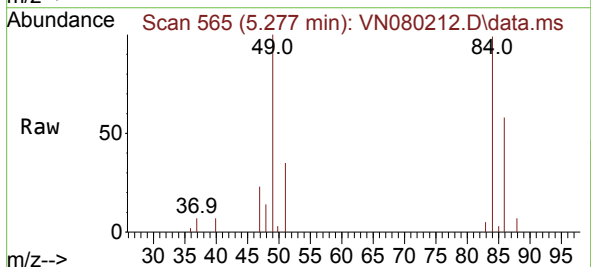
Instrument :
MSVOA_N
ClientSampleId :

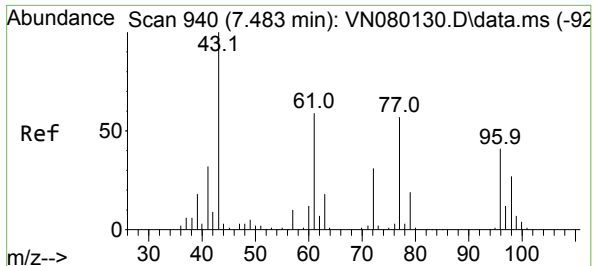
Tgt Ion: 43 Resp: 2568
Ion Ratio Lower Upper
43 100
74 7.7 26.2 39.4#



#20
Methylene Chloride
Concen: 11.908 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN080212.D
Acq: 20 Nov 2023 16:59

Tgt Ion: 84 Resp: 19679
Ion Ratio Lower Upper
84 100
49 101.4 79.7 119.5
51 35.2 25.2 37.8
86 58.7 53.3 79.9

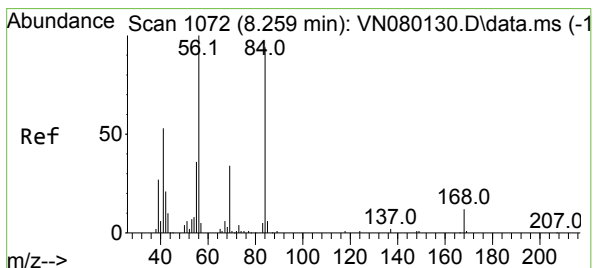
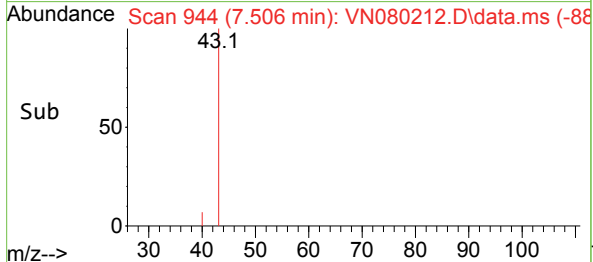
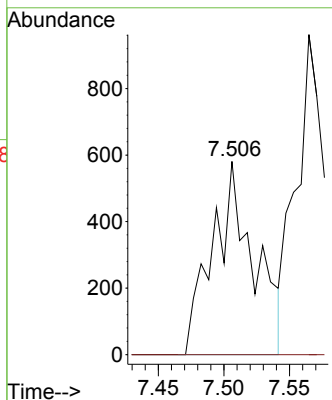
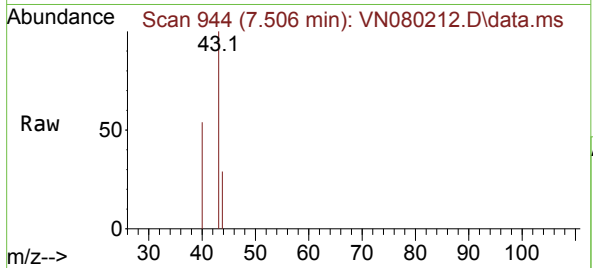




#25
2-Butanone
Concen: 1.357 ug/l
RT: 7.506 min Scan# 94
Delta R.T. 0.023 min
Lab File: VN080212.D
Acq: 20 Nov 2023 16:59

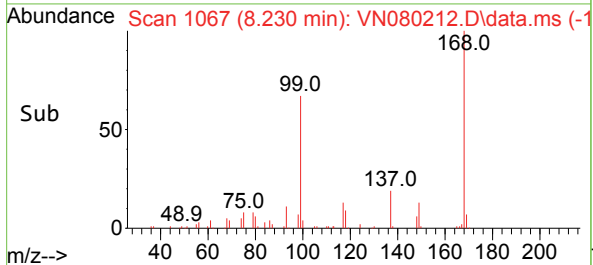
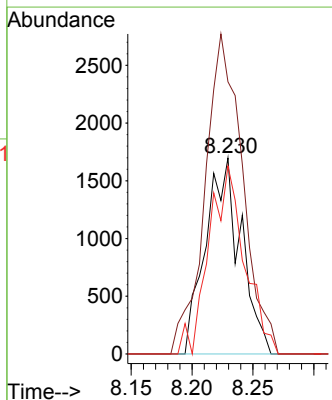
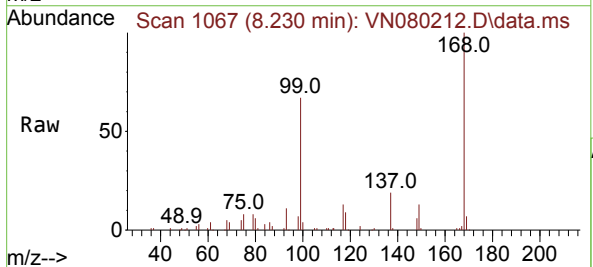
Instrument :
MSVOA_N
ClientSampleId :

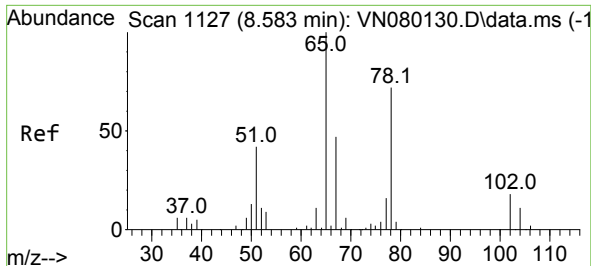
Tgt Ion: 43 Resp: 1272
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#



#31
Cyclohexane
Concen: 1.343 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.030 min
Lab File: VN080212.D
Acq: 20 Nov 2023 16:59

Tgt Ion: 56 Resp: 3431
Ion Ratio Lower Upper
56 100
69 138.8 26.8 40.2#
84 95.9 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 57.674 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN080212.D

Acq: 20 Nov 2023 16:59

Instrument :

MSVOA_N

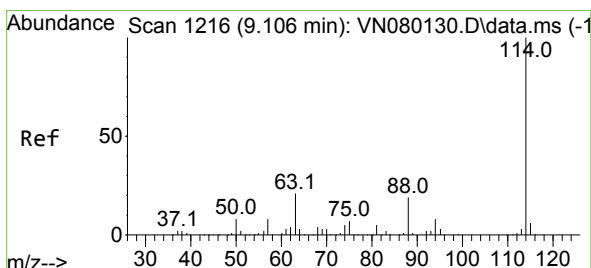
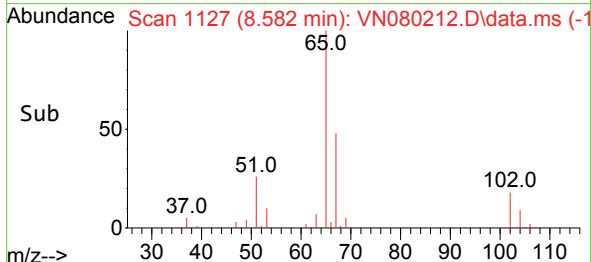
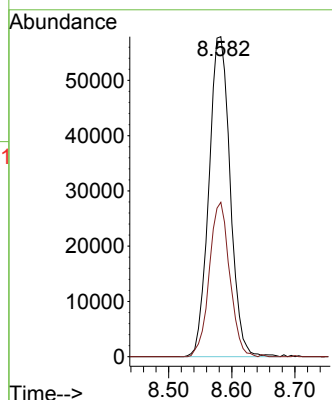
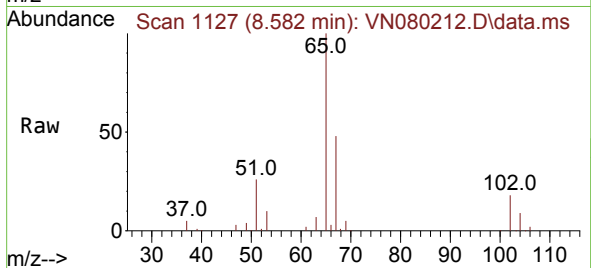
ClientSampleId :

Tgt Ion: 65 Resp: 135503

Ion Ratio Lower Upper

65 100

67 46.3 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN080212.D

Acq: 20 Nov 2023 16:59

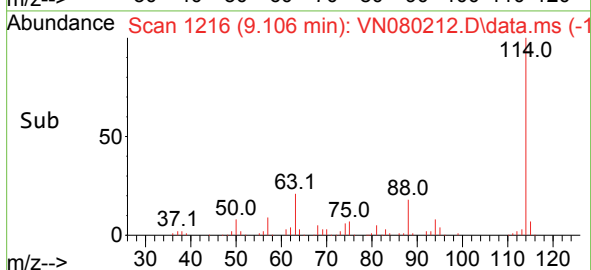
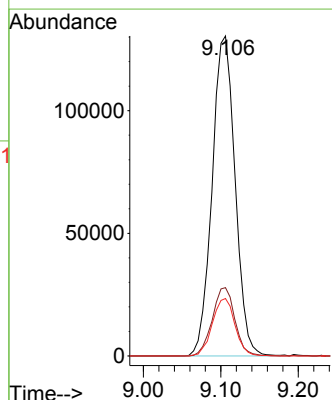
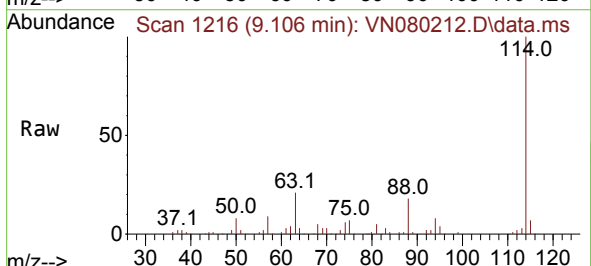
Tgt Ion: 114 Resp: 268951

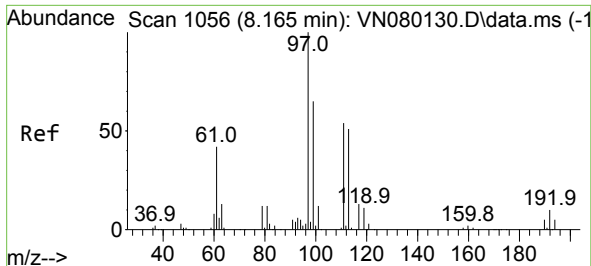
Ion Ratio Lower Upper

114 100

63 21.4 0.0 36.4

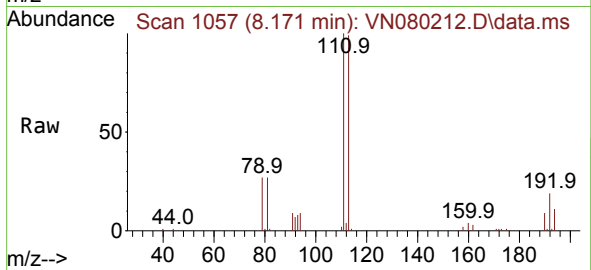
88 17.9 0.0 30.6



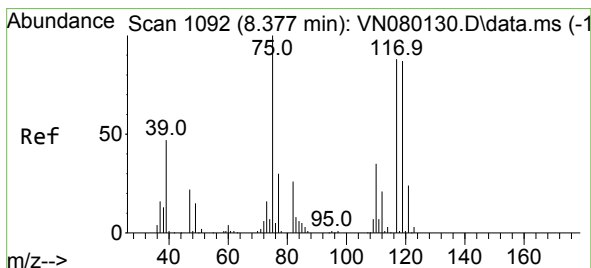
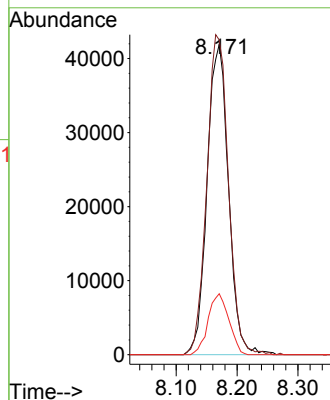
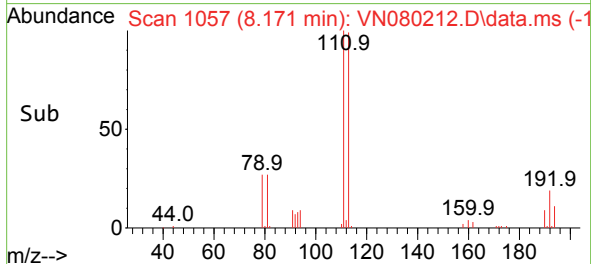


#35
Dibromofluoromethane
Concen: 51.474 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN080212.D
Acq: 20 Nov 2023 16:59

Instrument :
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ClientSampleId :

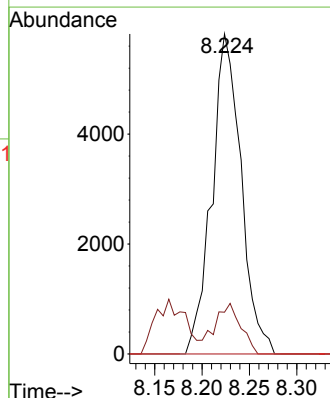
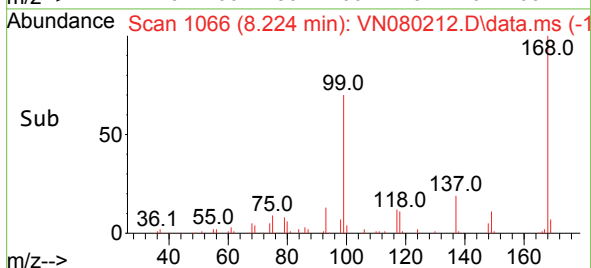
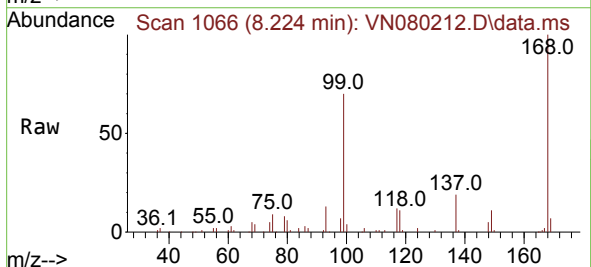


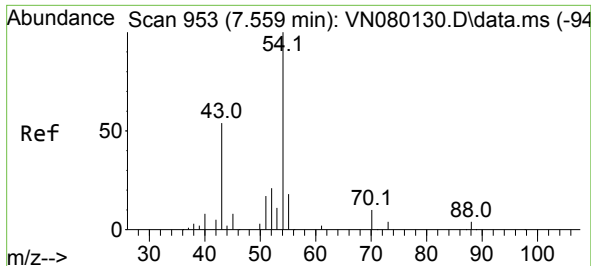
Tgt Ion:113 Resp: 102151
Ion Ratio Lower Upper
113 100
111 104.2 82.6 123.8
192 19.0 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.352 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN080212.D
Acq: 20 Nov 2023 16:59

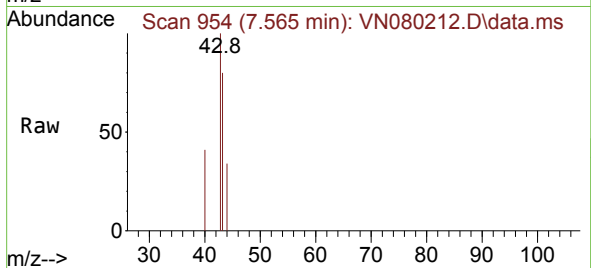
Tgt Ion: 75 Resp: 12503
Ion Ratio Lower Upper
75 100
110 13.8 19.1 57.3#
77 0.0 25.0 37.4#



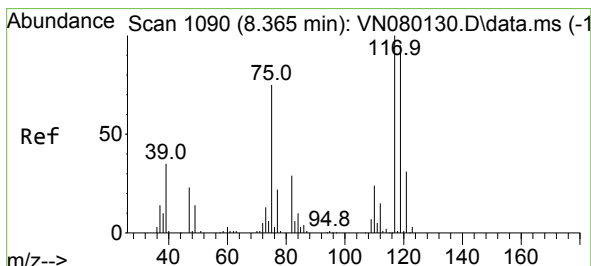
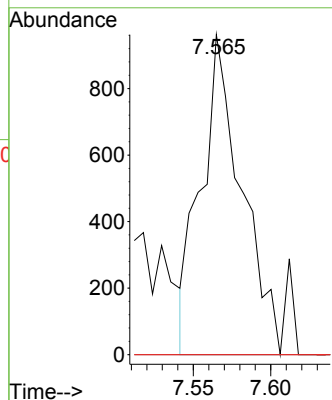
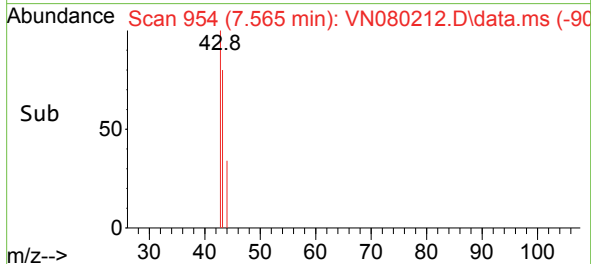


#37
Ethyl Acetate
Concen: 0.881 ug/l
RT: 7.565 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN080212.D
Acq: 20 Nov 2023 16:59

Instrument :
MSVOA_N
ClientSampleId :

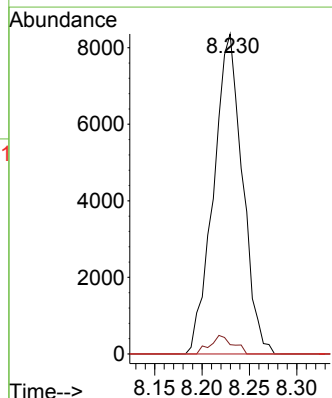
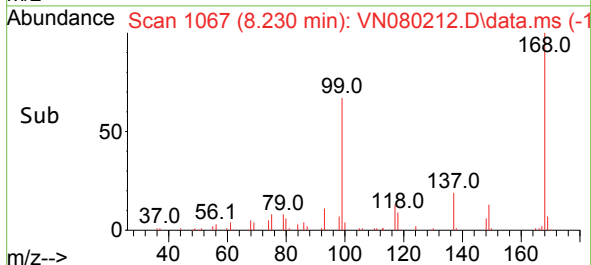
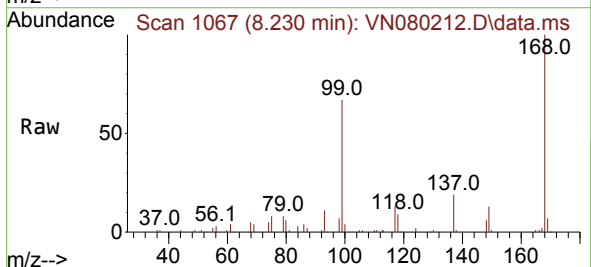


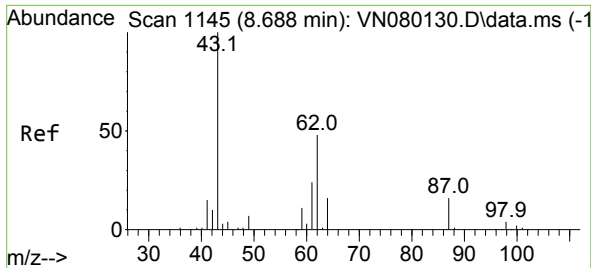
Tgt Ion: 43 Resp: 1756
Ion Ratio Lower Upper
43 100
61 0.0 13.2 19.8#
70 0.0 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 4.877 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN080212.D
Acq: 20 Nov 2023 16:59

Tgt Ion: 117 Resp: 17781
Ion Ratio Lower Upper
117 100
119 2.9 77.3 115.9#
121 0.0 23.3 34.9#

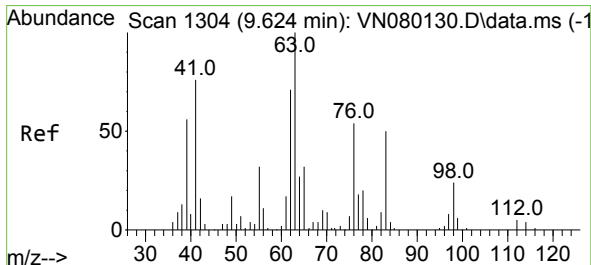
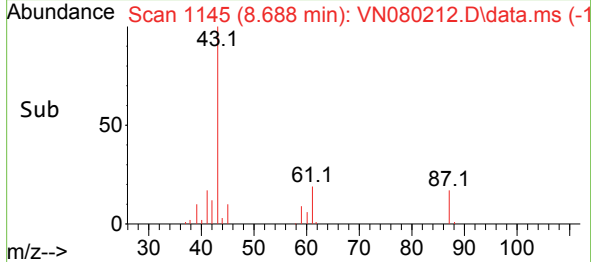
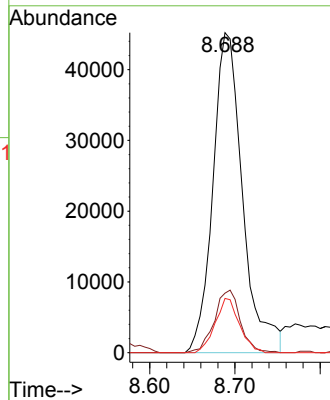
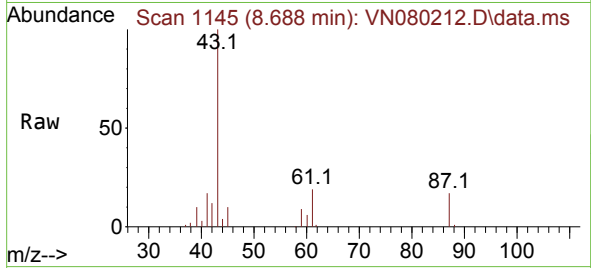




#43
Isopropyl Acetate
Concen: 28.186 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN080212.D
Acq: 20 Nov 2023 16:59

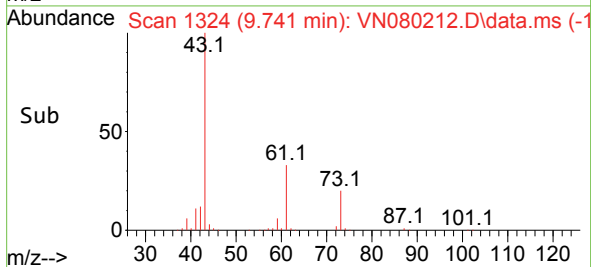
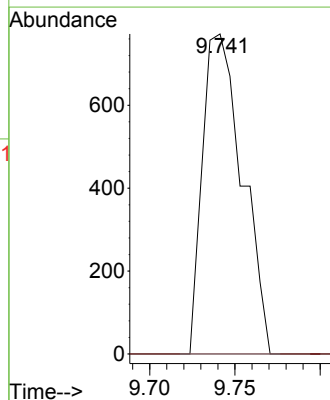
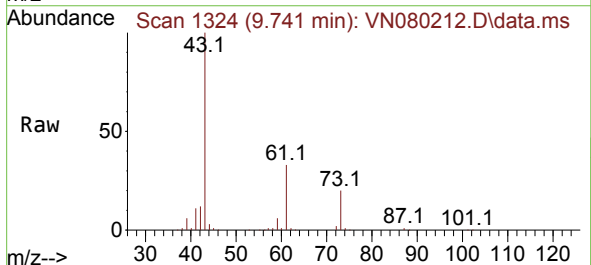
Instrument :
MSVOA_N
ClientSampleId :

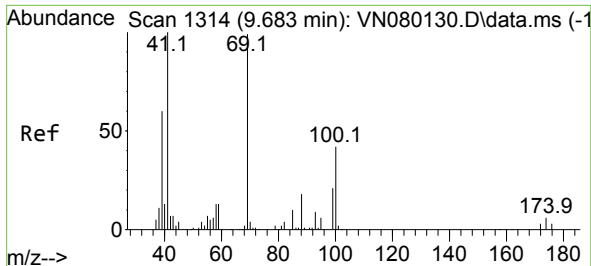
Tgt Ion: 43 Resp: 109311
Ion Ratio Lower Upper
43 100
61 17.1 24.7 37.1#
87 13.9 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.662 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.117 min
Lab File: VN080212.D
Acq: 20 Nov 2023 16:59

Tgt Ion: 63 Resp: 1256
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#





#48

Methyl methacrylate

Concen: 45.766 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.059 min

Lab File: VN080212.D

Acq: 20 Nov 2023 16:59

Instrument :

MSVOA_N

ClientSampleId :

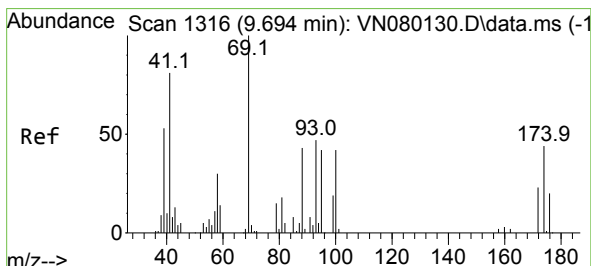
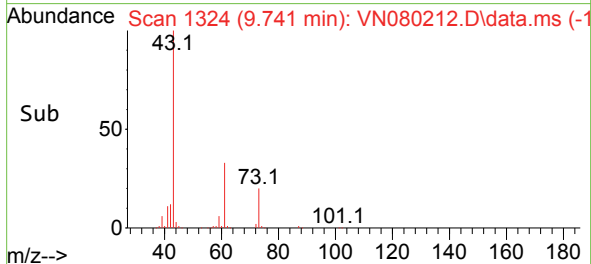
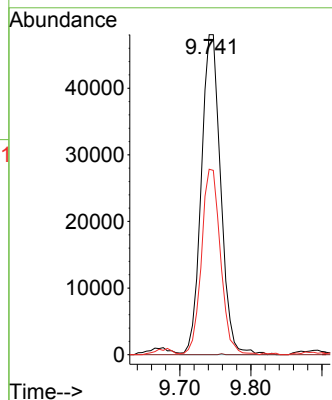
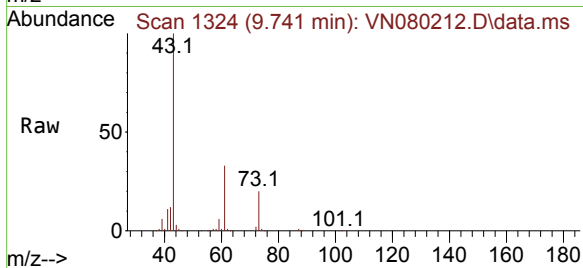
Tgt Ion: 41 Resp: 91468

Ion Ratio Lower Upper

41 100

69 0.1 90.4 135.6#

39 56.9 54.6 81.8



#49

1,4-Dioxane

Concen: 2.466 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.047 min

Lab File: VN080212.D

Acq: 20 Nov 2023 16:59

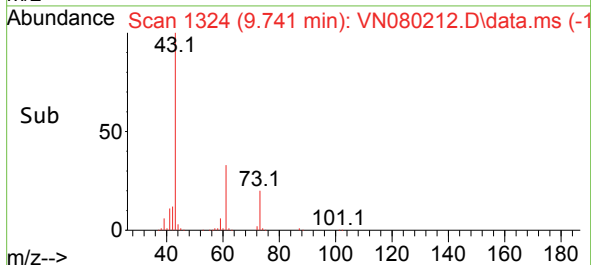
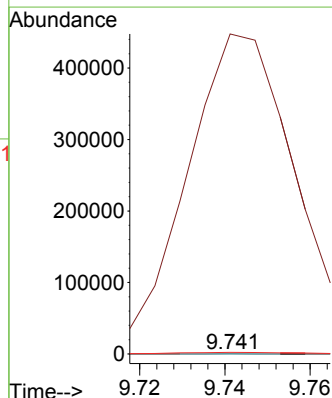
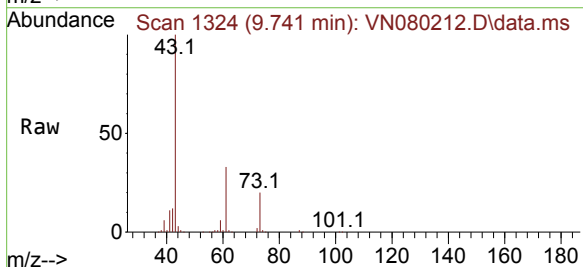
Tgt Ion: 88 Resp: 82

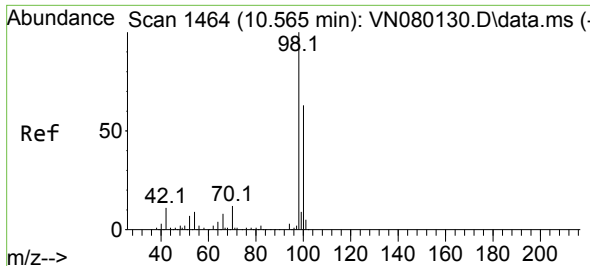
Ion Ratio Lower Upper

88 100

43 990541.5 17.0 25.6#

58 5550.0 47.0 70.4#

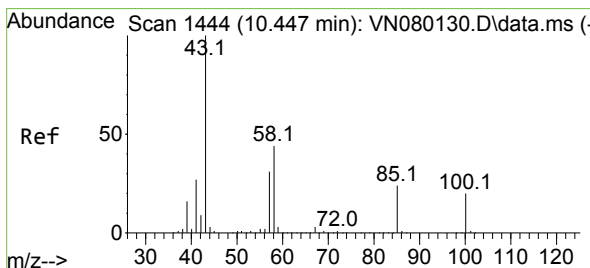
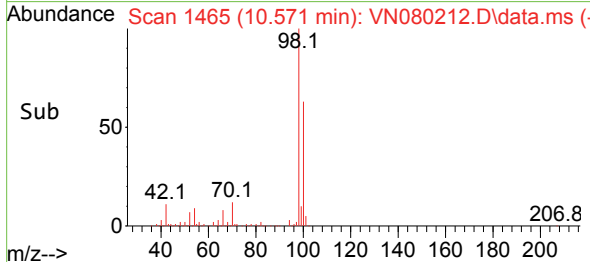
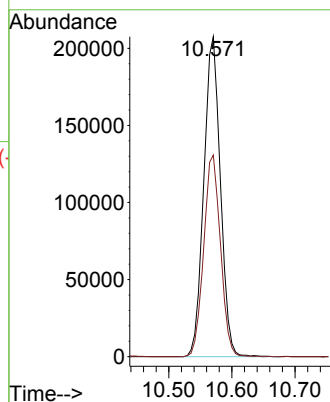
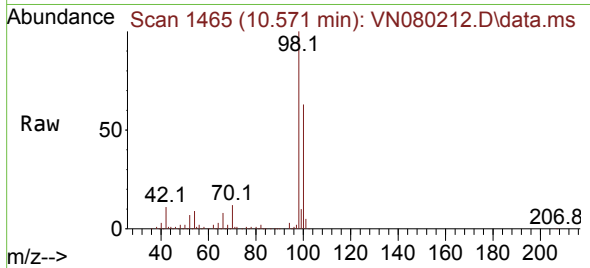




#50
Toluene-d8
Concen: 52.826 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080212.D
Acq: 20 Nov 2023 16:59

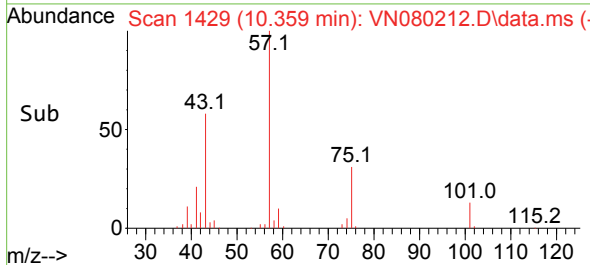
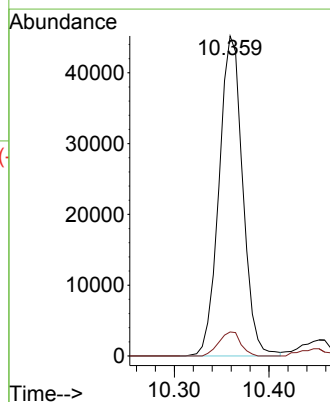
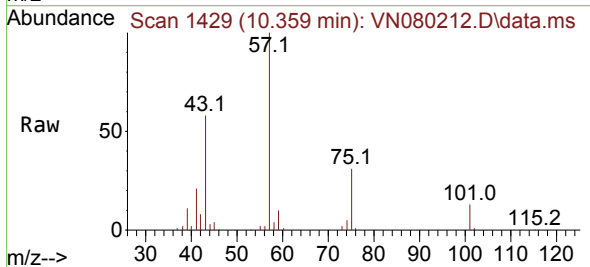
Instrument :
MSVOA_N
ClientSampleId :

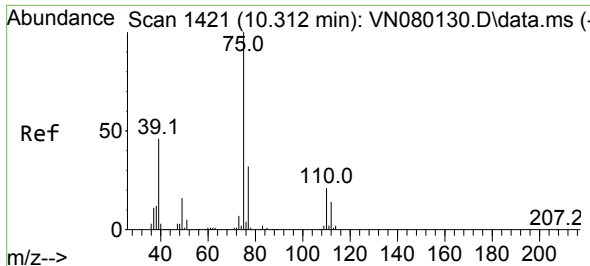
Tgt Ion: 98 Resp: 377904
Ion Ratio Lower Upper
98 100
100 63.7 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 39.181 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. -0.088 min
Lab File: VN080212.D
Acq: 20 Nov 2023 16:59

Tgt Ion: 43 Resp: 78669
Ion Ratio Lower Upper
43 100
58 7.0 36.6 54.8#

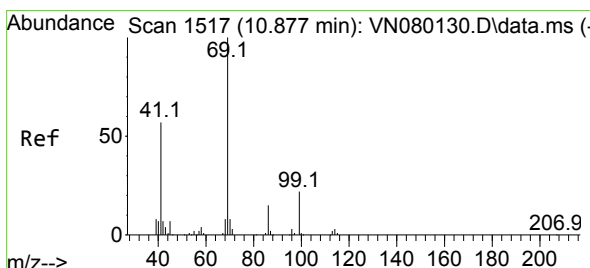
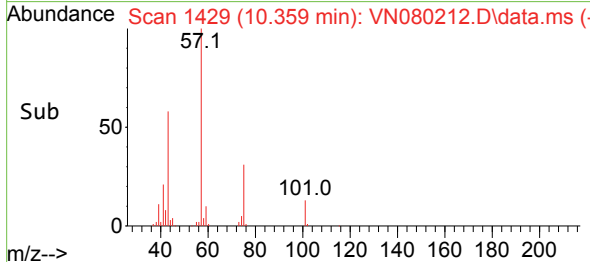
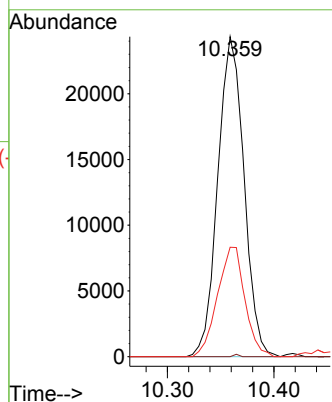
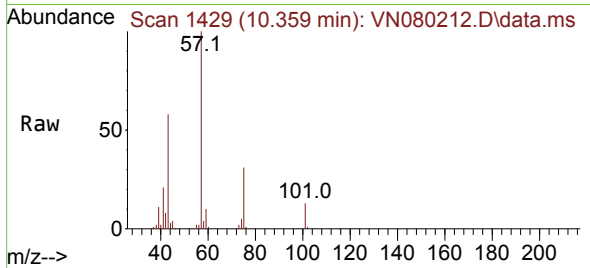




#54
 cis-1,3-Dichloropropene
 Concen: 12.519 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN080212.D
 Acq: 20 Nov 2023 16:59

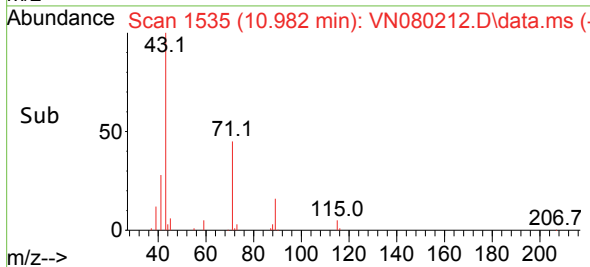
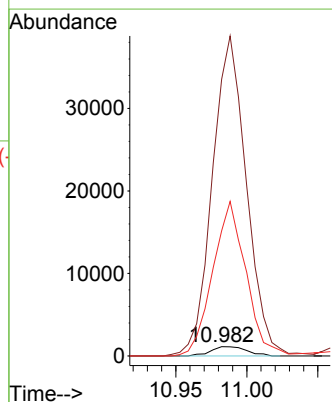
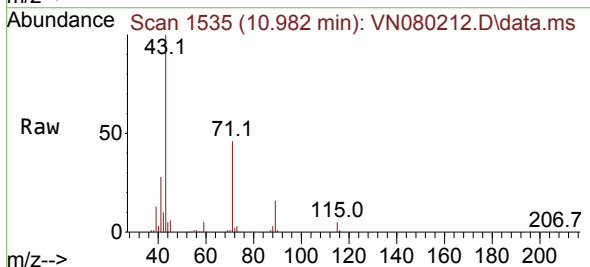
Instrument :
 MSVOA_N
 ClientSampleId :

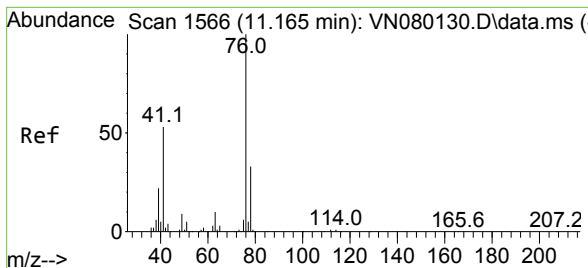
Tgt Ion: 75 Resp: 41522
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 34.2 31.6 47.4



#56
 Ethyl methacrylate
 Concen: 1.000 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.106 min
 Lab File: VN080212.D
 Acq: 20 Nov 2023 16:59

Tgt Ion: 69 Resp: 1992
 Ion Ratio Lower Upper
 69 100
 41 3259.4 39.6 59.4#
 39 1529.5 28.6 43.0#

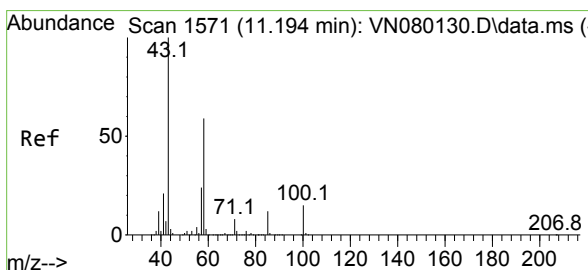
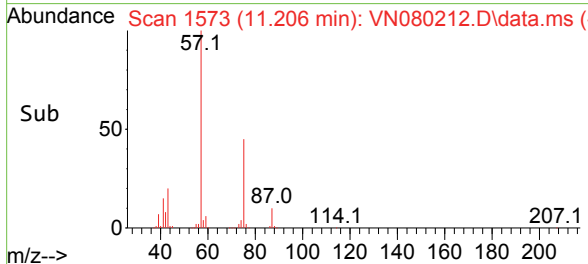
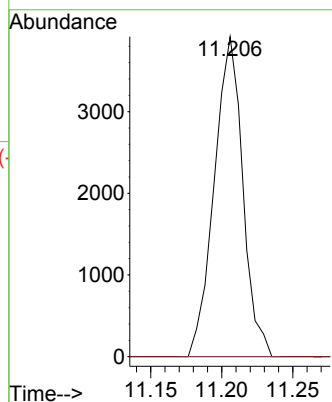
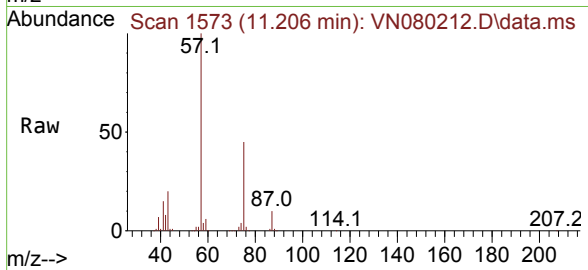




#57
1,3-Dichloropropane
Concen: 1.605 ug/l
RT: 11.206 min Scan# 1567
Delta R.T. 0.041 min
Lab File: VN080212.D
Acq: 20 Nov 2023 16:59

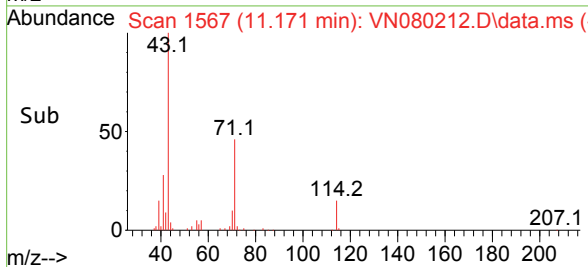
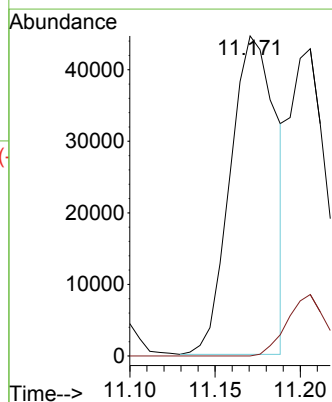
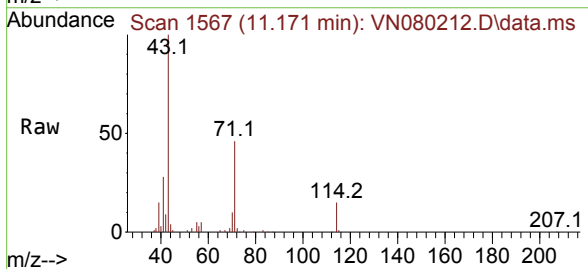
Instrument :
MSVOA_N
ClientSampleId :

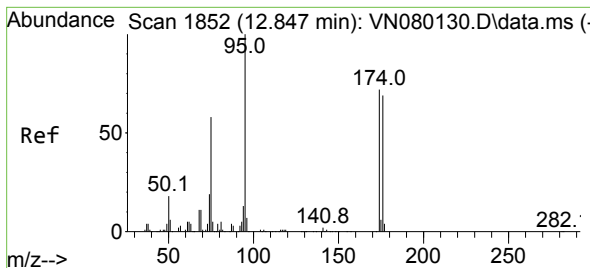
Tgt Ion: 76 Resp: 5465
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 51.674 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.024 min
Lab File: VN080212.D
Acq: 20 Nov 2023 16:59

Tgt Ion: 43 Resp: 83371
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#

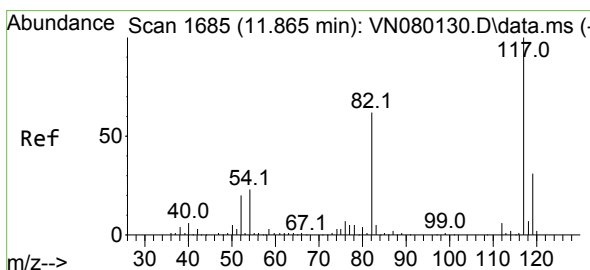
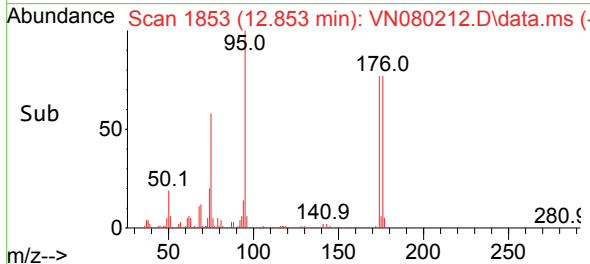
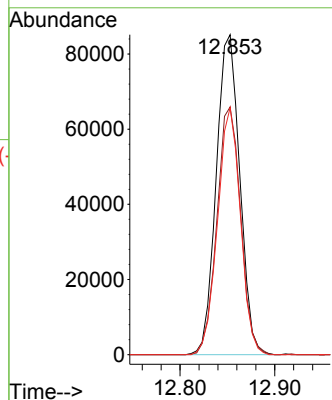
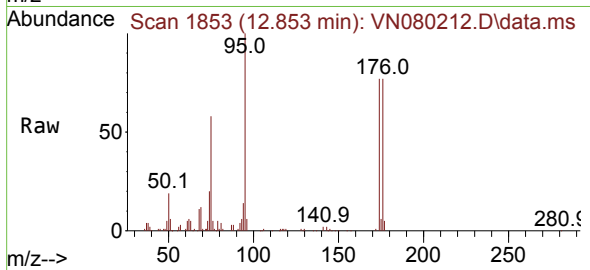




#62
4-Bromofluorobenzene
Concen: 54.420 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN080212.D
Acq: 20 Nov 2023 16:59

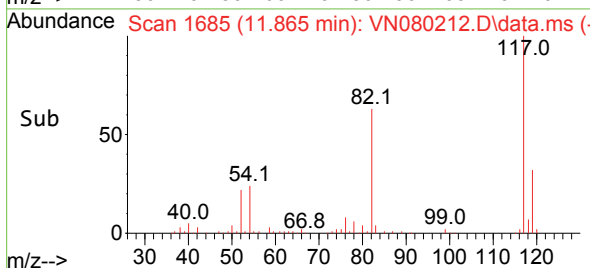
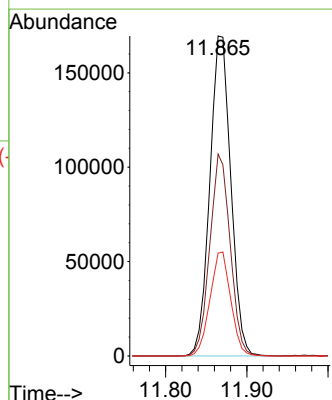
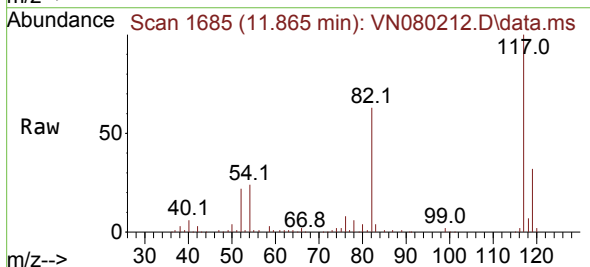
Instrument :
MSVOA_N
ClientSampleId :

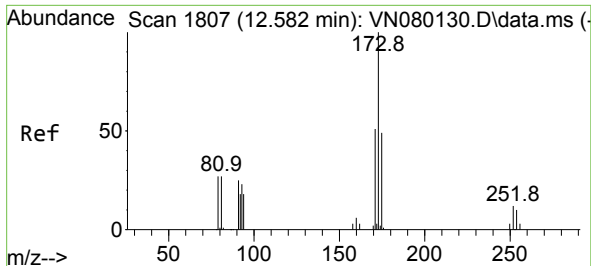
Tgt Ion: 95 Resp: 147048
Ion Ratio Lower Upper
95 100
174 78.1 0.0 143.8
176 74.9 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN080212.D
Acq: 20 Nov 2023 16:59

Tgt Ion: 117 Resp: 304931
Ion Ratio Lower Upper
117 100
82 63.1 44.0 66.0
119 32.1 25.6 38.4

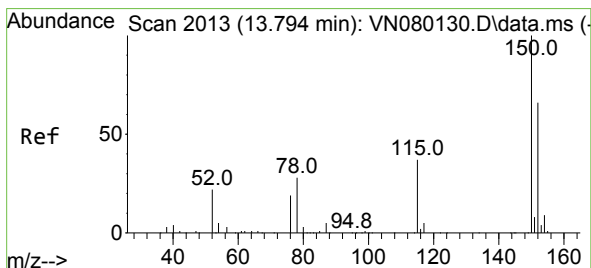
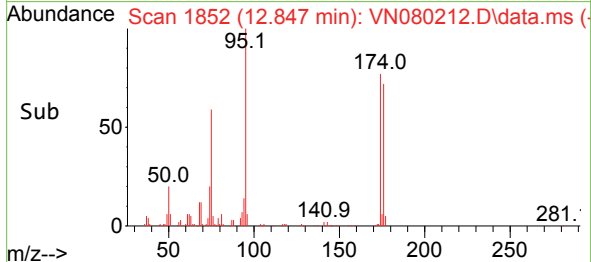
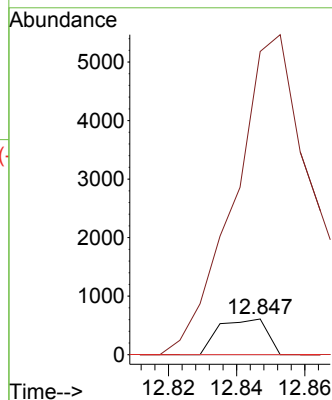
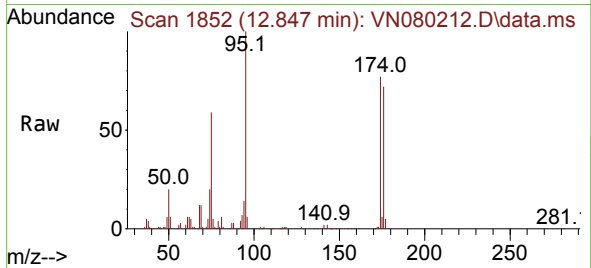




#71
Bromoform
Concen: 0.301 ug/l
RT: 12.847 min Scan# 1807
Delta R.T. 0.265 min
Lab File: VN080212.D
Acq: 20 Nov 2023 16:59

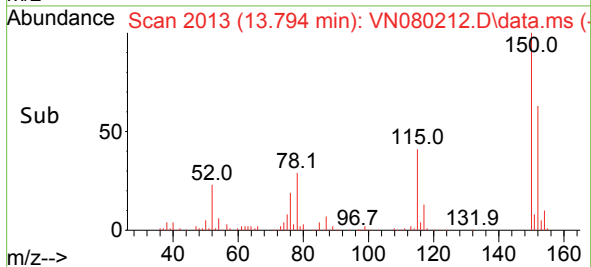
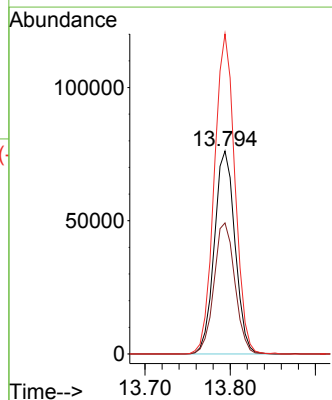
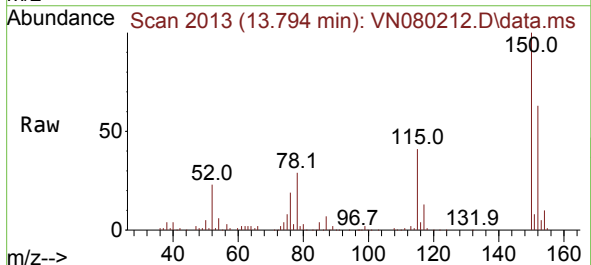
Instrument :
MSVOA_N
ClientSampleId :

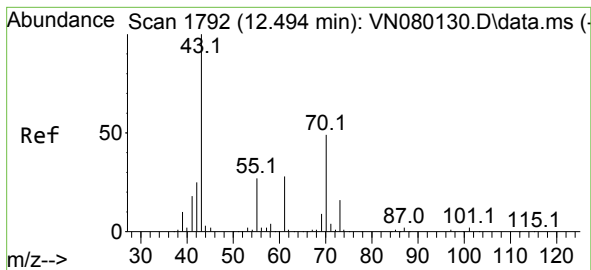
Tgt Ion:173 Resp: 598
Ion Ratio Lower Upper
173 100
175 1187.0 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN080212.D
Acq: 20 Nov 2023 16:59

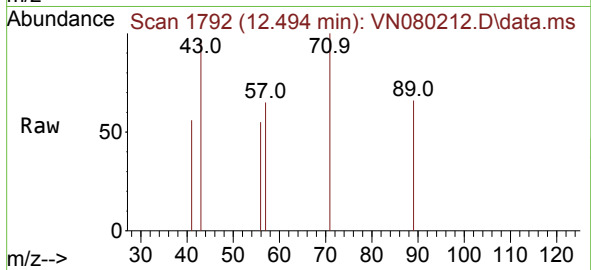
Tgt Ion:152 Resp: 128299
Ion Ratio Lower Upper
152 100
115 65.3 32.3 96.8
150 157.2 0.0 355.8



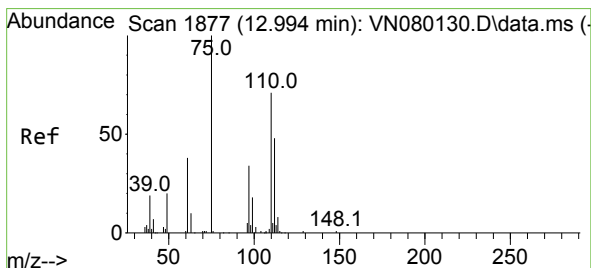
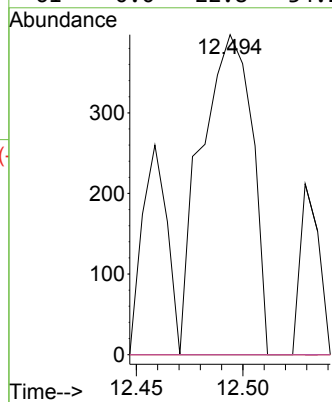
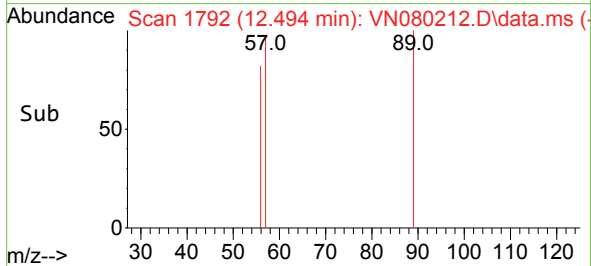


#74
N-amy1 acetate
Concen: 0.212 ug/l
RT: 12.494 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN080212.D
Acq: 20 Nov 2023 16:59

Instrument :
MSVOA_N
ClientSampleId :

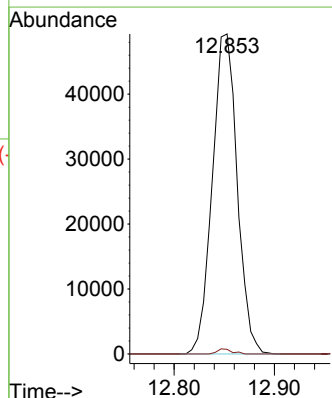
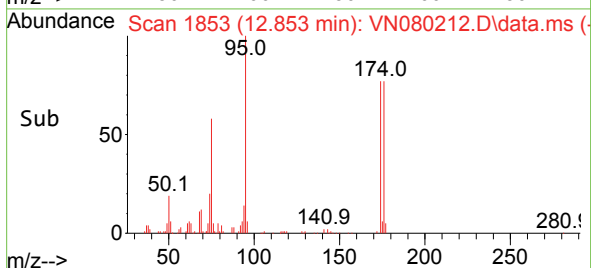
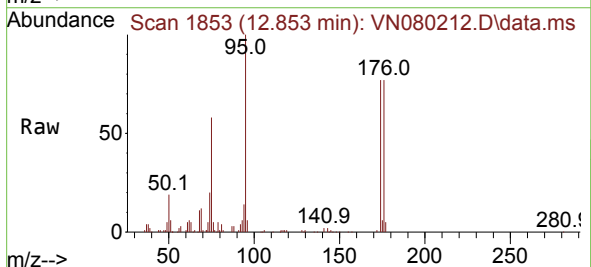


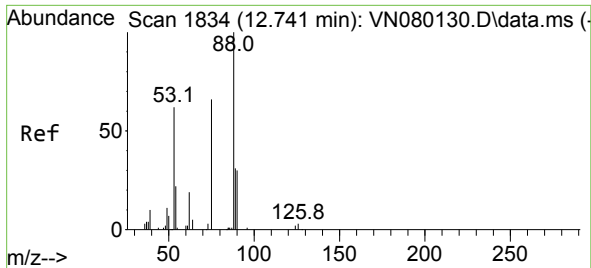
Tgt Ion: 43 Resp: 660
Ion Ratio Lower Upper
43 100
70 0.0 43.4 65.2#
55 0.0 21.4 32.0#
61 0.0 22.8 34.2#



#76
1,2,3-Trichloropropane
Concen: 26.953 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080212.D
Acq: 20 Nov 2023 16:59

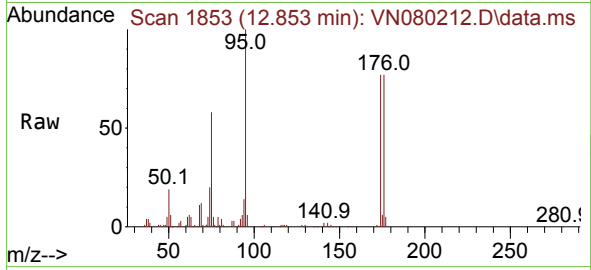
Tgt Ion: 75 Resp: 84727
Ion Ratio Lower Upper
75 100
77 0.9 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 91.062 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN080212.D
 Acq: 20 Nov 2023 16:59

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 84727
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 38.8 58.2#

