

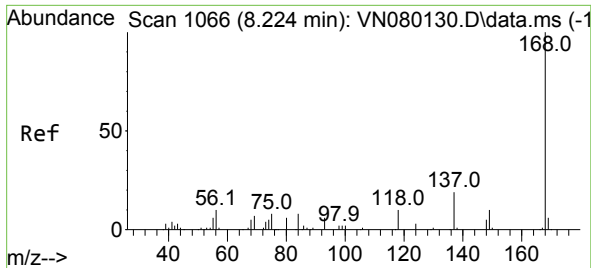
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112023\
 Data File : VN080206.D
 Acq On : 20 Nov 2023 14:36
 Operator : JC\MD
 Sample : PB157250TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 21 01:05:05 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

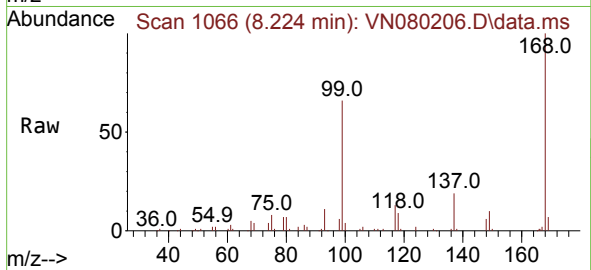
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	143103	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	266108	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	309728	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	136299	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	135479	57.337	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 114.680%			
35) Dibromofluoromethane	8.171	113	103844	52.886	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.780%			
50) Toluene-d8	10.571	98	376338	53.169	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.340%			
62) 4-Bromofluorobenzene	12.853	95	152544	57.057	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 114.120%			
Target Compounds						
					Qvalue	
6) Chloroethane	3.118	64	646	Below Cal	#	43
16) Acetone	4.436	43	17027	21.455	ug/l #	75
18) Methyl Acetate	5.024	43	1505	0.590	ug/l #	57
20) Methylene Chloride	5.283	84	17551	10.560	ug/l #	87
25) 2-Butanone	7.494	43	1092	1.158	ug/l	91
29) Tetrahydrofuran	7.847	42	132	0.261	ug/l #	20
31) Cyclohexane	8.224	56	3019	1.175	ug/l #	20
36) 1,1-Dichloropropene	8.230	75	11862	4.173	ug/l #	51
37) Ethyl Acetate	7.565	43	2681	1.360	ug/l #	78
38) Carbon Tetrachloride	8.224	117	17906	4.964	ug/l #	15
42) 1,2-Dichloroethane	8.688	62	945	0.286	ug/l #	73
43) Isopropyl Acetate	8.688	43	101768	26.521	ug/l #	88
45) 1,2-Dichloropropane	9.747	63	1263	0.673	ug/l #	45
48) Methyl methacrylate	9.741	41	96009	48.552	ug/l #	30
49) 1,4-Dioxane	9.741	88	67	2.037	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	4302	2.165	ug/l	96
53) t-1,3-Dichloropropene	10.729	75	935	0.291	ug/l	98
54) cis-1,3-Dichloropropene	10.359	75	44809	13.654	ug/l #	68
56) Ethyl methacrylate	10.994	69	1542	0.782	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5600	1.662	ug/l #	42
59) 2-Hexanone	11.171	43	89391	55.997	ug/l #	19
71) Bromoform	12.841	173	1254	0.621	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	88981	26.645	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	88981	90.021	ug/l #	15

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

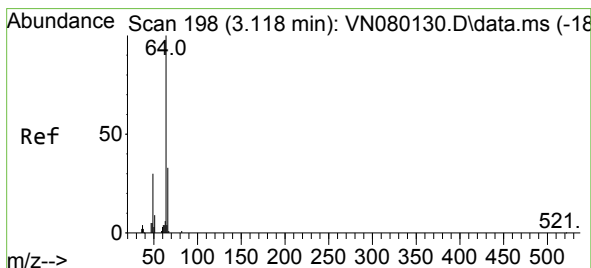
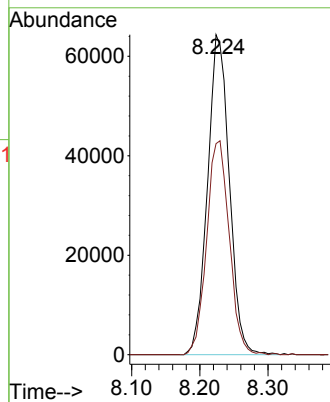
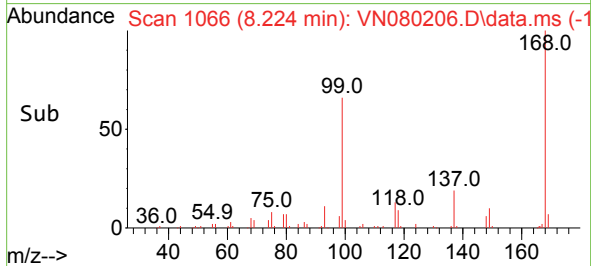


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080206.D
Acq: 20 Nov 2023 14:36

Instrument :
MSVOA_N
ClientSampleId :

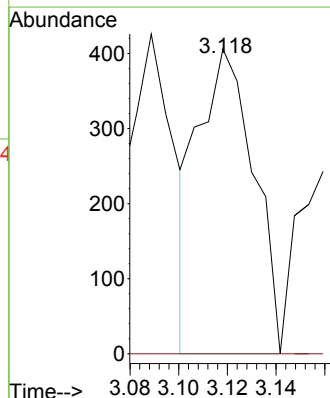
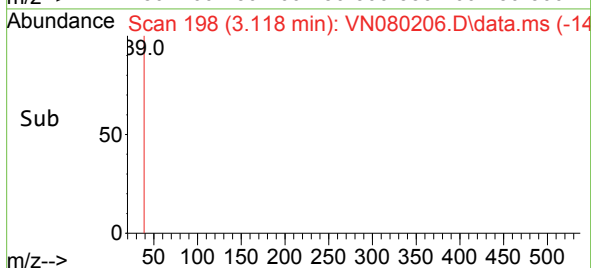
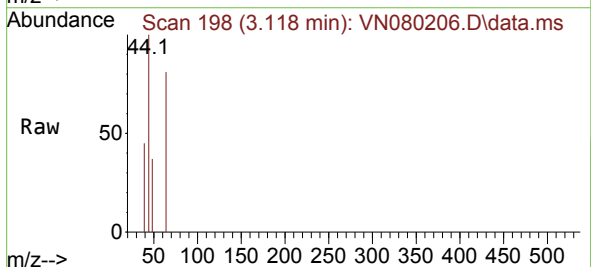


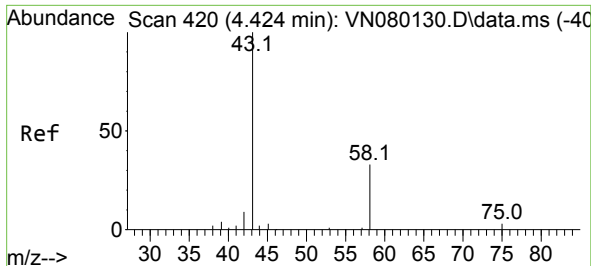
Tgt Ion:168 Resp: 143103
Ion Ratio Lower Upper
168 100
99 65.9 53.0 79.6



#6
Chloroethane
Concen: Below Cal
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN080206.D
Acq: 20 Nov 2023 14:36

Tgt Ion: 64 Resp: 646
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

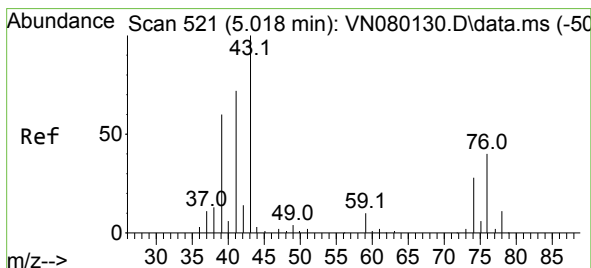
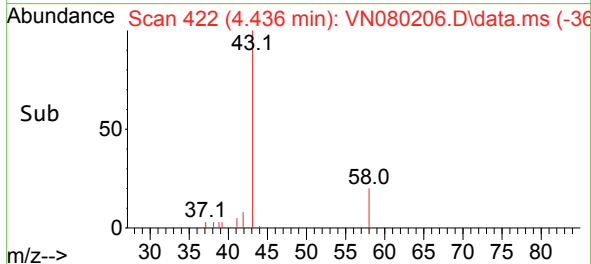
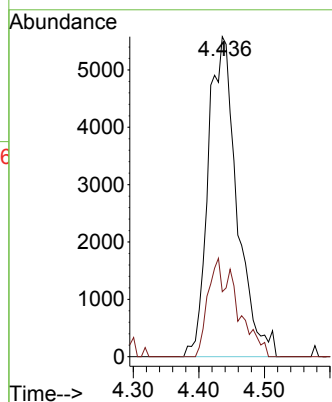
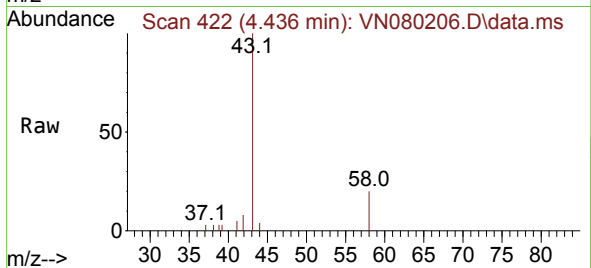




#16
Acetone
Concen: 21.455 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN080206.D
Acq: 20 Nov 2023 14:36

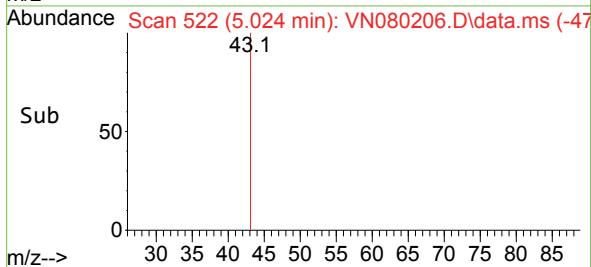
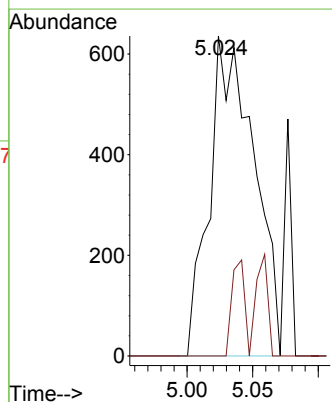
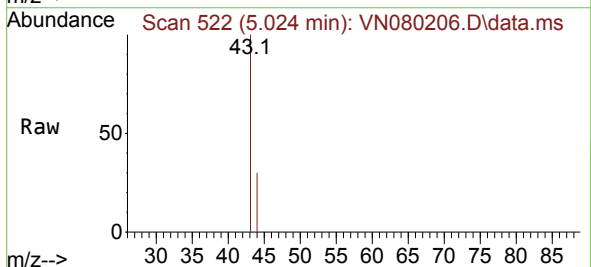
Instrument :
MSVOA_N
ClientSampleId :

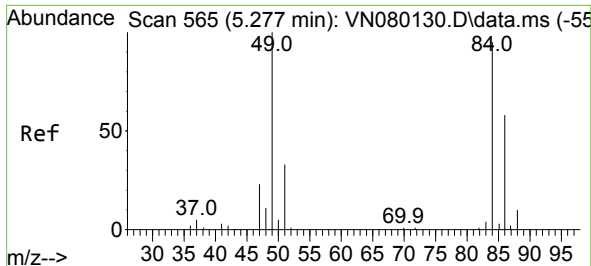
Tgt Ion: 43 Resp: 17027
Ion Ratio Lower Upper
43 100
58 20.3 28.0 42.0#



#18
Methyl Acetate
Concen: 0.590 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN080206.D
Acq: 20 Nov 2023 14:36

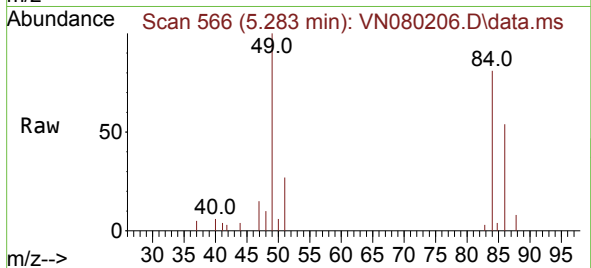
Tgt Ion: 43 Resp: 1505
Ion Ratio Lower Upper
43 100
74 8.5 26.2 39.4#



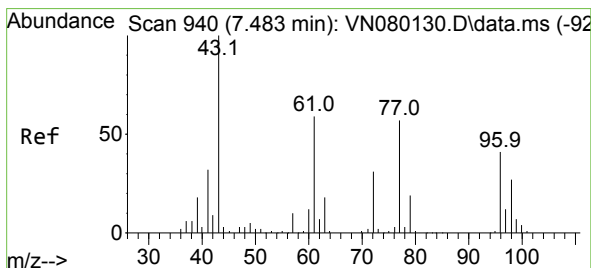
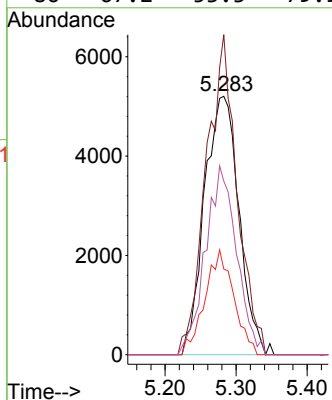


#20
Methylene Chloride
Concen: 10.560 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN080206.D
Acq: 20 Nov 2023 14:36

Instrument :
MSVOA_N
ClientSampleId :

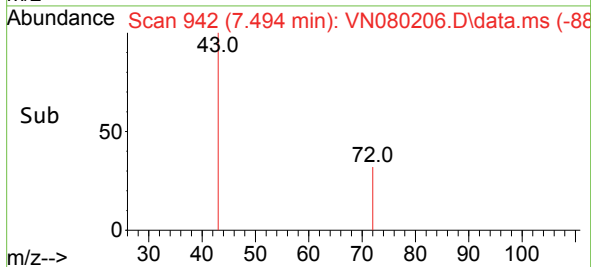
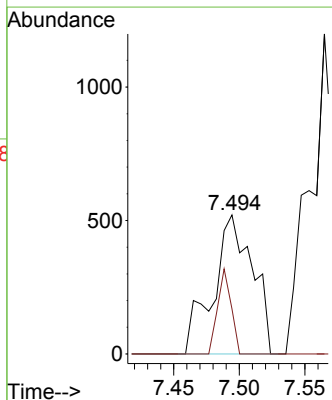
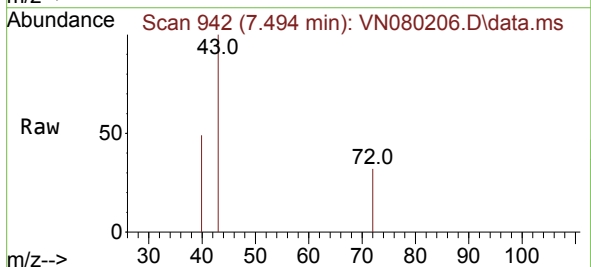


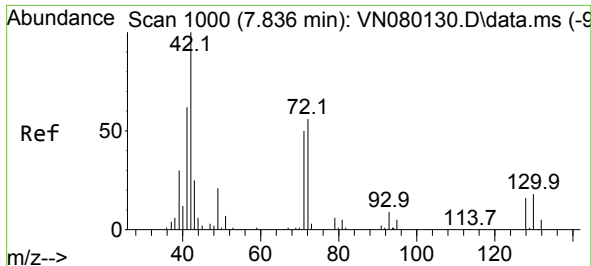
Tgt Ion: 84	Resp: 17551
Ion Ratio	Lower Upper
84	100
49	123.8 79.7 119.5#
51	33.1 25.2 37.8
86	67.2 53.3 79.9



#25
2-Butanone
Concen: 1.158 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN080206.D
Acq: 20 Nov 2023 14:36

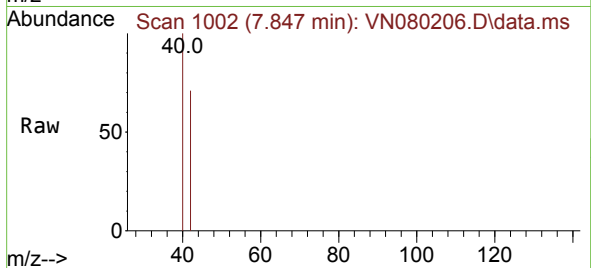
Tgt Ion: 43	Resp: 1092
Ion Ratio	Lower Upper
43	100
72	32.4 30.2 45.2



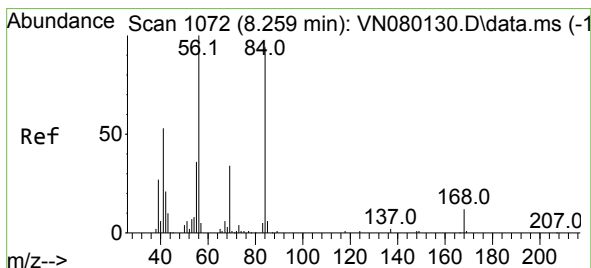
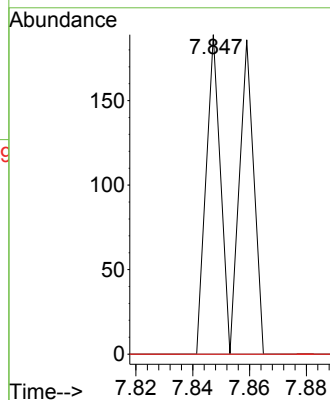
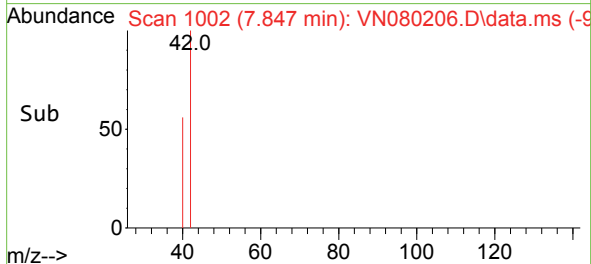


#29
Tetrahydrofuran
Concen: 0.261 ug/l
RT: 7.847 min Scan# 1066
Delta R.T. 0.012 min
Lab File: VN080206.D
Acq: 20 Nov 2023 14:36

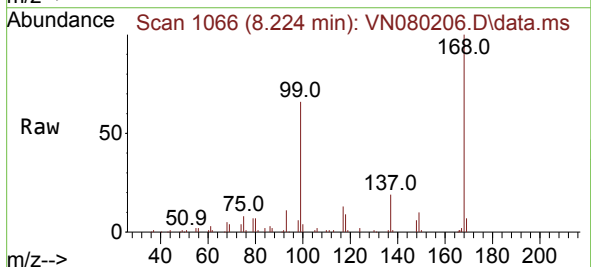
Instrument :
MSVOA_N
ClientSampleId :



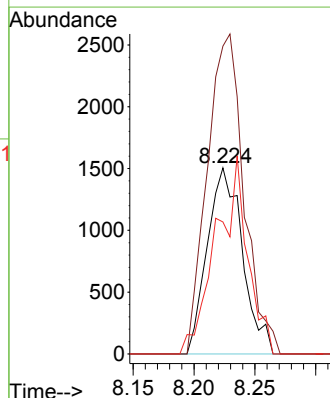
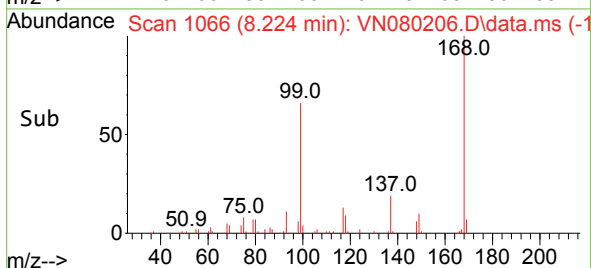
Tgt Ion: 42 Resp: 132
Ion Ratio Lower Upper
42 100
72 0.0 49.8 74.6#
71 0.0 47.4 71.2#

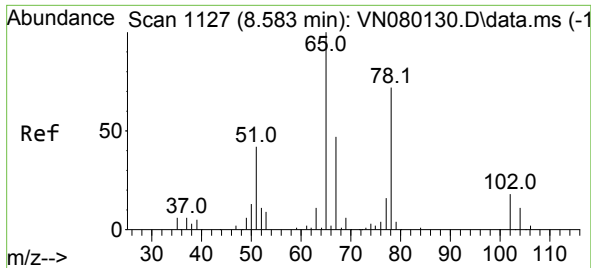


#31
Cyclohexane
Concen: 1.175 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN080206.D
Acq: 20 Nov 2023 14:36



Tgt Ion: 56 Resp: 3019
Ion Ratio Lower Upper
56 100
69 165.3 26.8 40.2#
84 70.9 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 57.337 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN080206.D

Acq: 20 Nov 2023 14:36

Instrument :

MSVOA_N

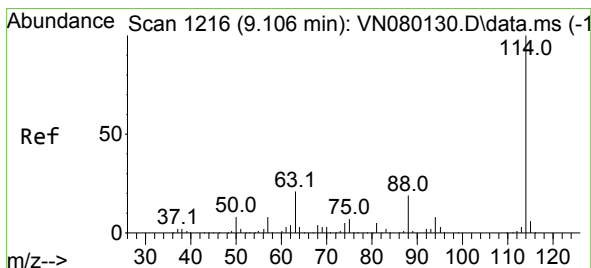
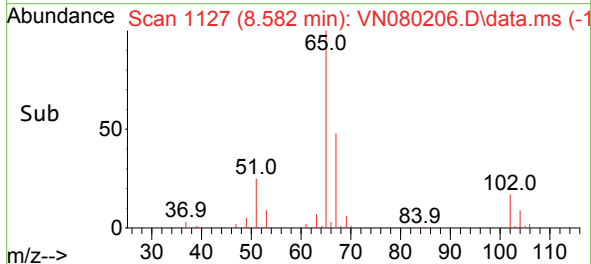
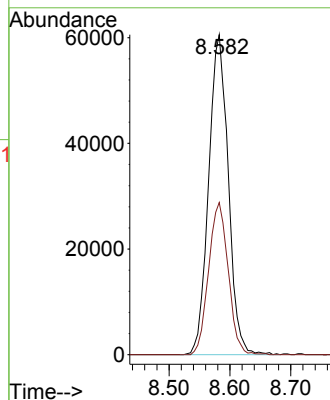
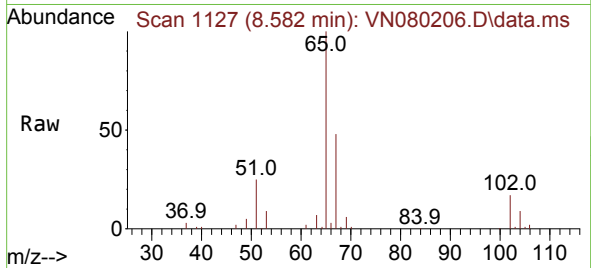
ClientSampleId :

Tgt Ion: 65 Resp: 135479

Ion Ratio Lower Upper

65 100

67 47.5 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: VN080206.D

Acq: 20 Nov 2023 14:36

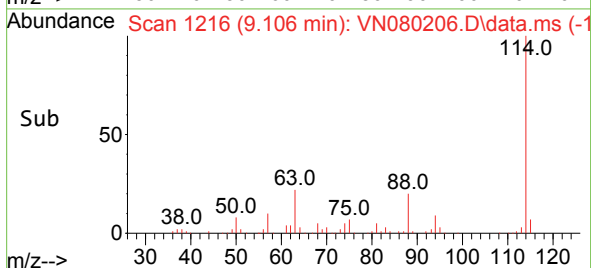
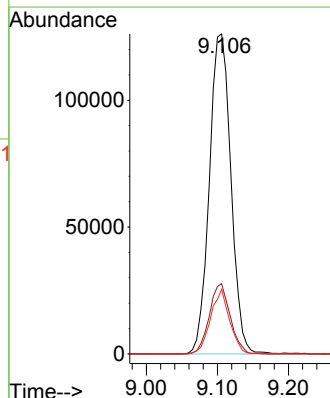
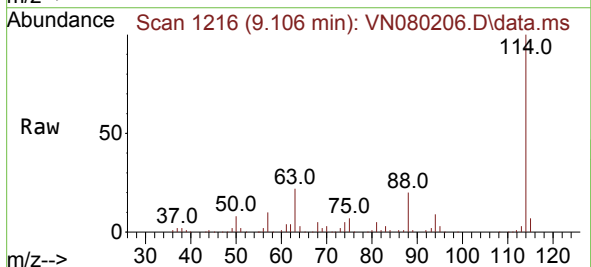
Tgt Ion:114 Resp: 266108

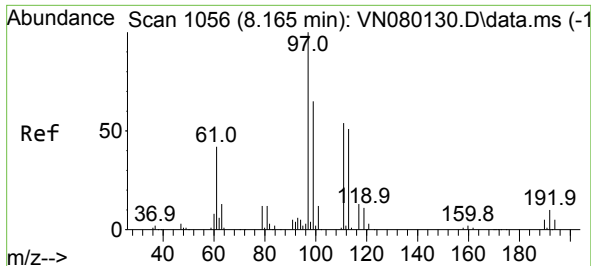
Ion Ratio Lower Upper

114 100

63 22.0 0.0 36.4

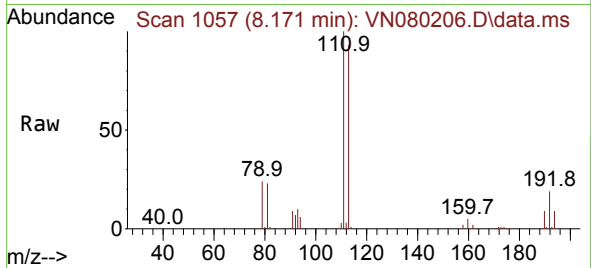
88 20.1 0.0 30.6



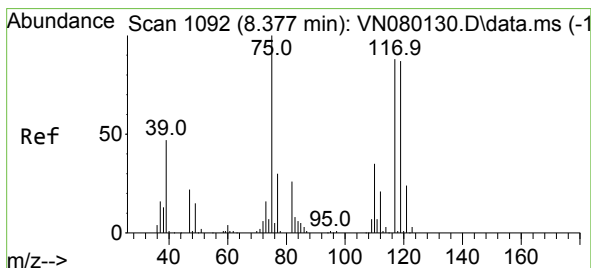
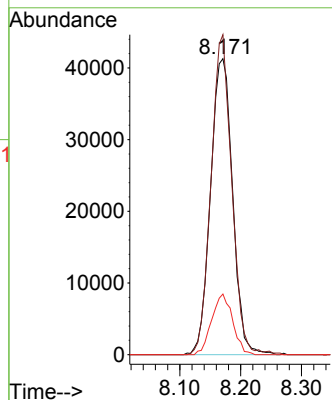
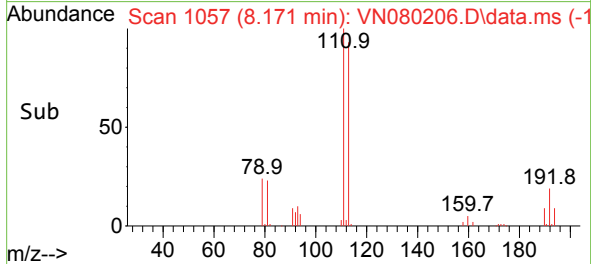


#35
Dibromofluoromethane
Concen: 52.886 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN080206.D
Acq: 20 Nov 2023 14:36

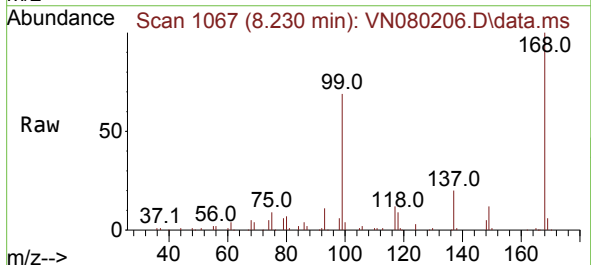
Instrument :
MSVOA_N
ClientSampleId :



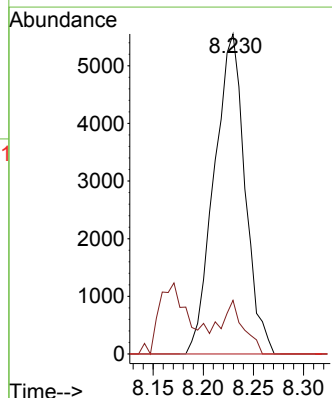
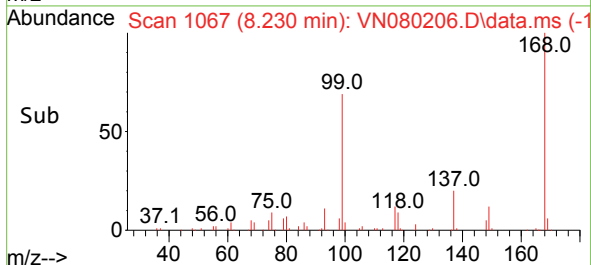
Tgt Ion:113 Resp: 103844
Ion Ratio Lower Upper
113 100
111 101.4 82.6 123.8
192 19.5 12.7 19.1#

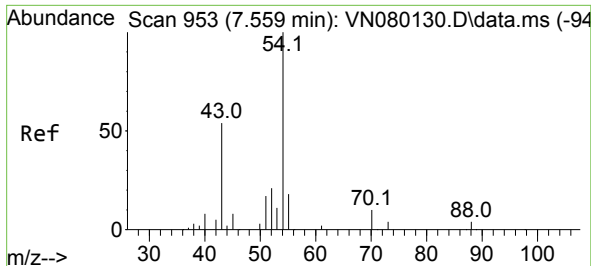


#36
1,1-Dichloropropene
Concen: 4.173 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN080206.D
Acq: 20 Nov 2023 14:36



Tgt Ion: 75 Resp: 11862
Ion Ratio Lower Upper
75 100
110 12.4 19.1 57.3#
77 0.0 25.0 37.4#

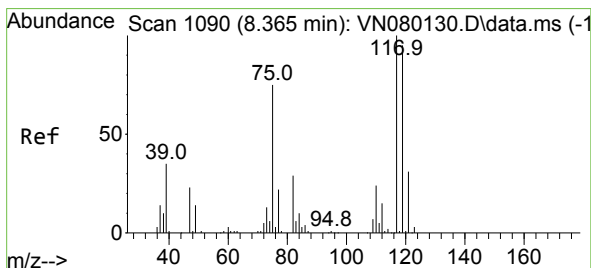
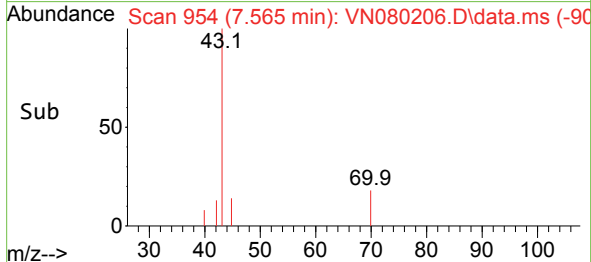
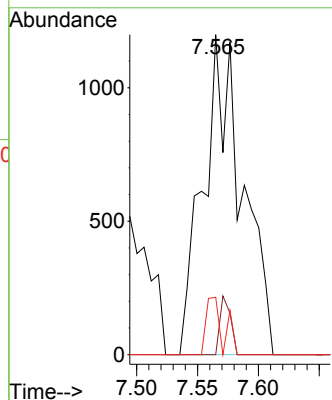
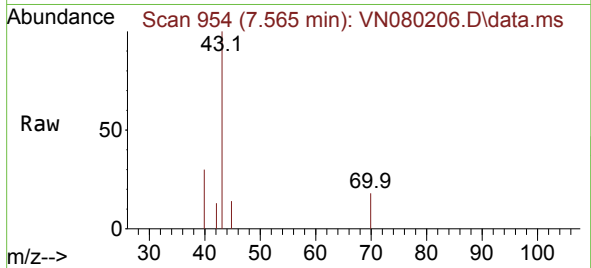




#37
Ethyl Acetate
Concen: 1.360 ug/l
RT: 7.565 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN080206.D
Acq: 20 Nov 2023 14:36

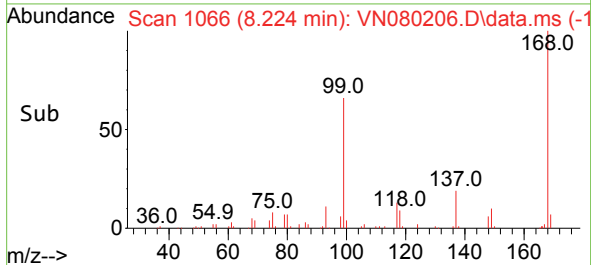
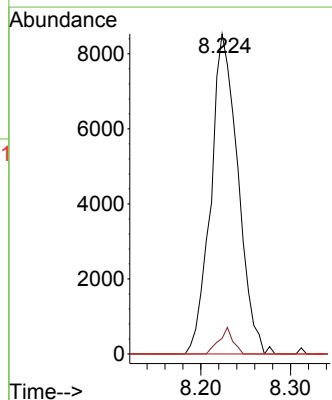
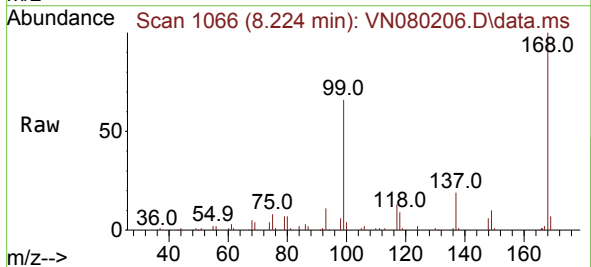
Instrument :
MSVOA_N
ClientSampleId :

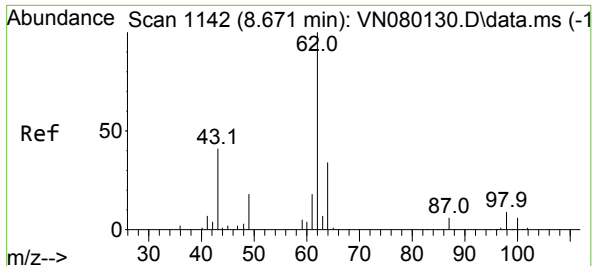
Tgt Ion: 43 Resp: 2681
Ion Ratio Lower Upper
43 100
61 5.0 13.2 19.8#
70 7.8 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 4.964 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN080206.D
Acq: 20 Nov 2023 14:36

Tgt Ion: 117 Resp: 17906
Ion Ratio Lower Upper
117 100
119 4.8 77.3 115.9#
121 0.0 23.3 34.9#





#42

1,2-Dichloroethane

Concen: 0.286 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.018 min

Lab File: VN080206.D

Acq: 20 Nov 2023 14:36

Instrument :

MSVOA_N

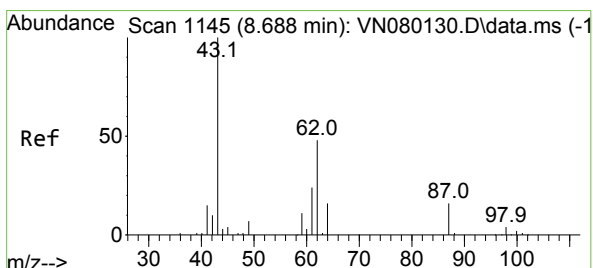
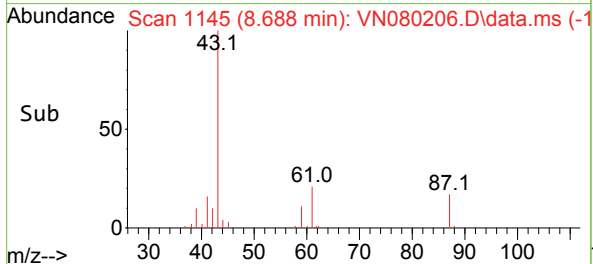
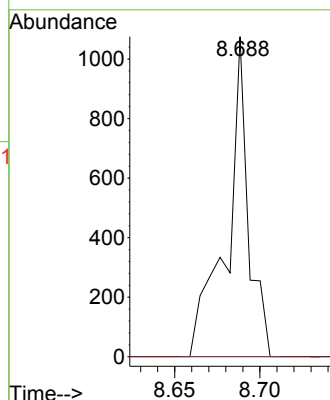
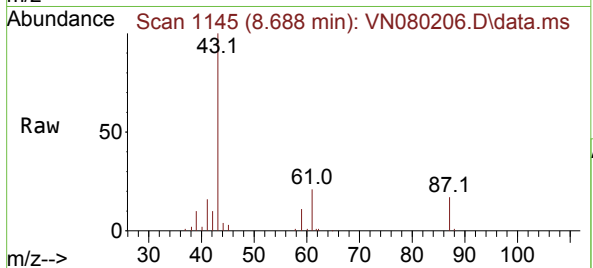
ClientSampleId :

Tgt Ion: 62 Resp: 945

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 26.521 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN080206.D

Acq: 20 Nov 2023 14:36

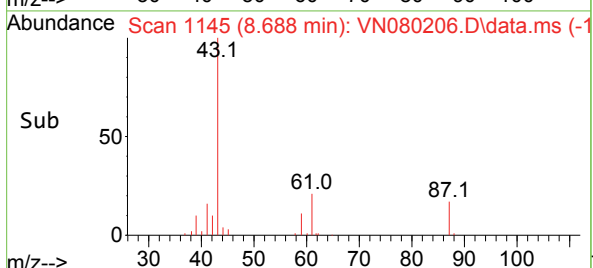
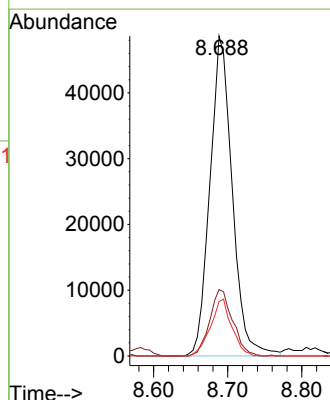
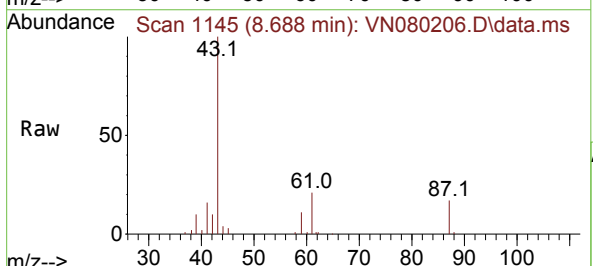
Tgt Ion: 43 Resp: 101768

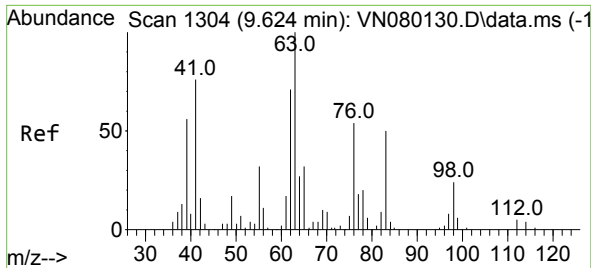
Ion Ratio Lower Upper

43 100

61 21.2 24.7 37.1#

87 17.0 14.6 21.8

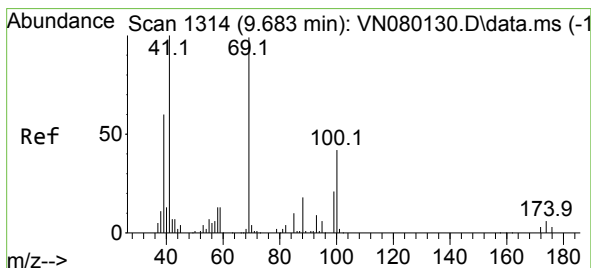
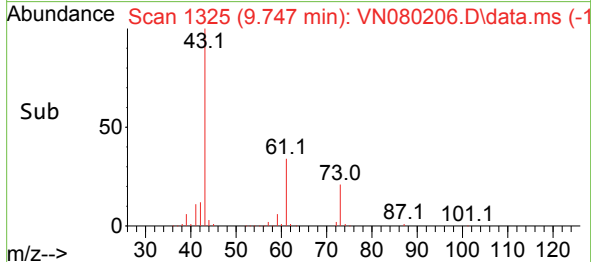
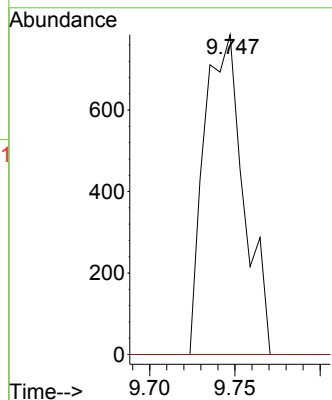
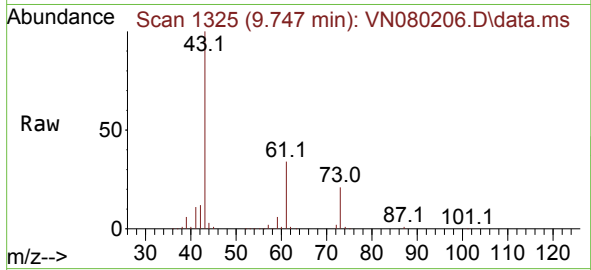




#45
1,2-Dichloropropane
Concen: 0.673 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.123 min
Lab File: VN080206.D
Acq: 20 Nov 2023 14:36

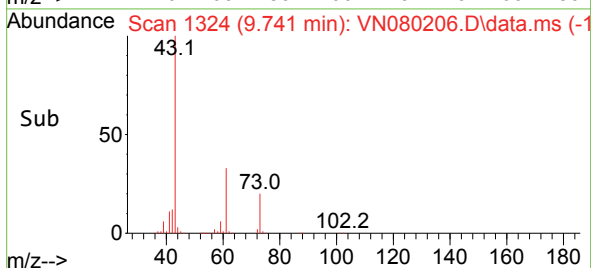
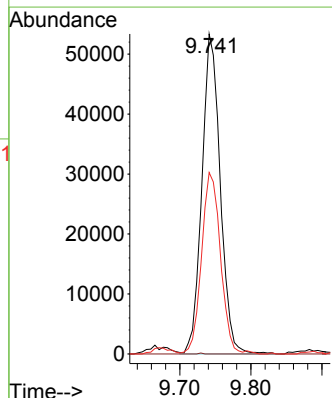
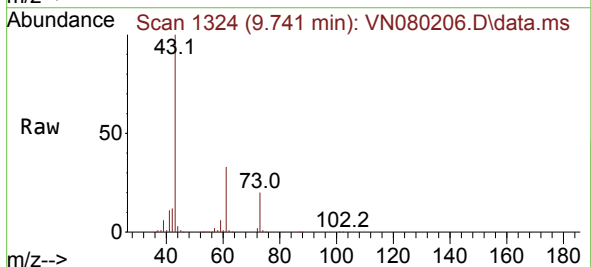
Instrument :
MSVOA_N
ClientSampleId :

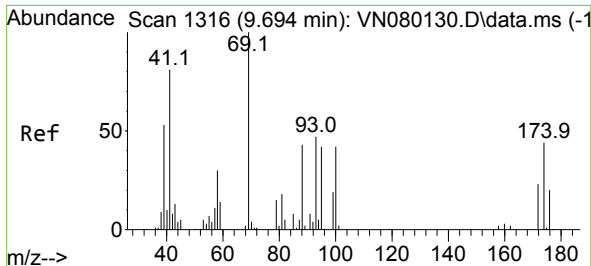
Tgt Ion: 63 Resp: 1263
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#



#48
Methyl methacrylate
Concen: 48.552 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.059 min
Lab File: VN080206.D
Acq: 20 Nov 2023 14:36

Tgt Ion: 41 Resp: 96009
Ion Ratio Lower Upper
41 100
69 0.1 90.4 135.6#
39 58.6 54.6 81.8





#49

1,4-Dioxane

Concen: 2.037 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.047 min

Lab File: VN080206.D

Acq: 20 Nov 2023 14:36

Instrument :

MSVOA_N

ClientSampleId :

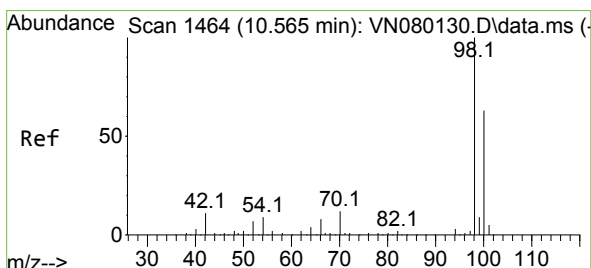
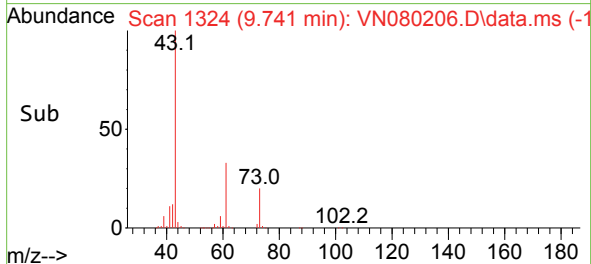
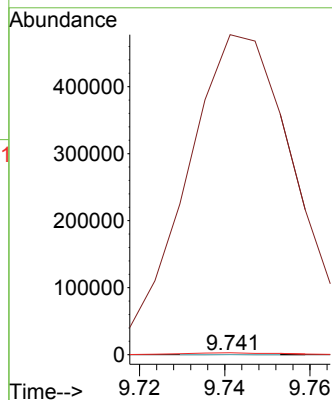
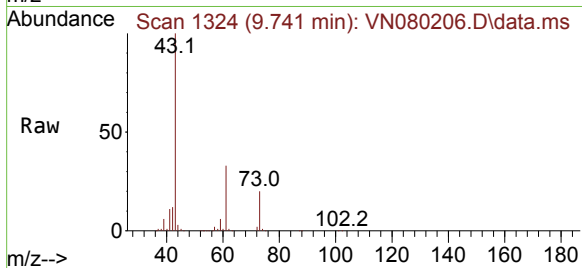
Tgt Ion: 88 Resp: 67

Ion Ratio Lower Upper

88 100

43 1306323.9 17.0 25.6#

58 7114.9 47.0 70.4#



#50

Toluene-d8

Concen: 53.169 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN080206.D

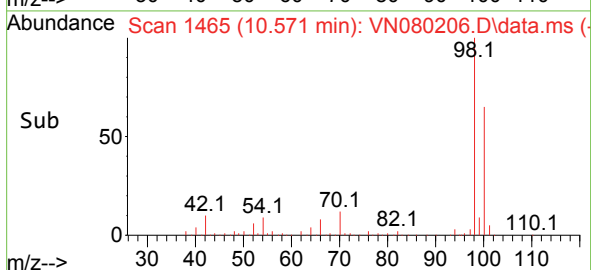
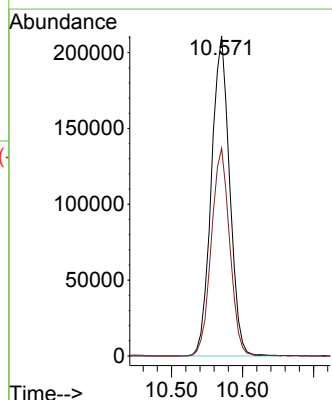
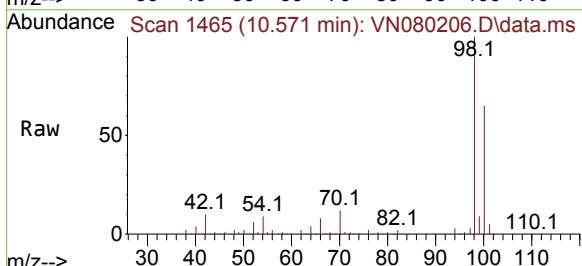
Acq: 20 Nov 2023 14:36

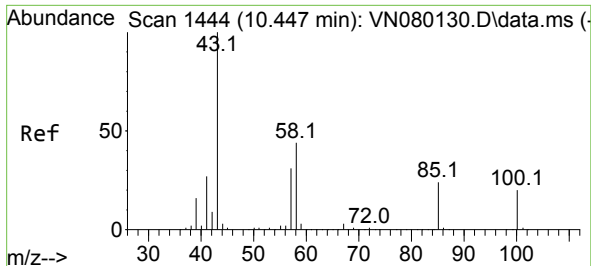
Tgt Ion: 98 Resp: 376338

Ion Ratio Lower Upper

98 100

100 65.1 52.0 78.0

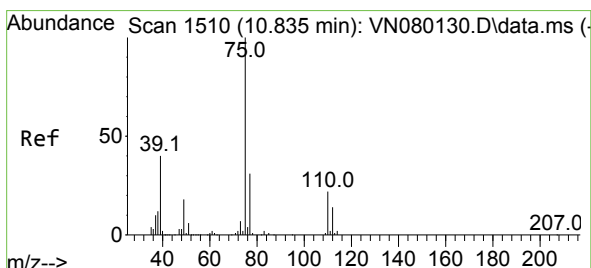
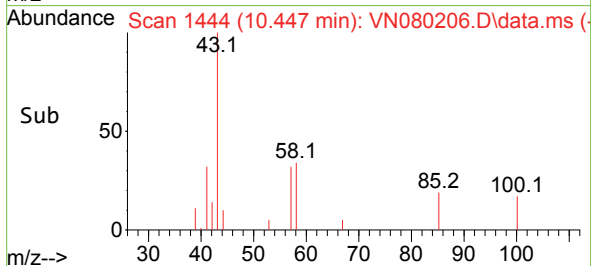
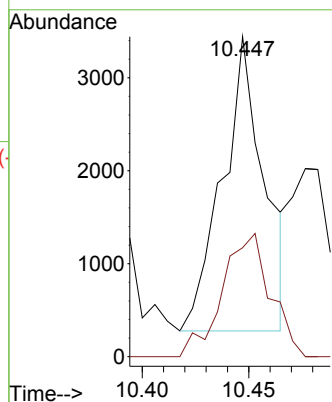
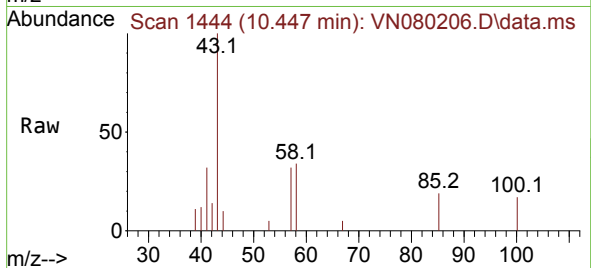




#51
4-Methyl-2-Pentanone
Concen: 2.165 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN080206.D
Acq: 20 Nov 2023 14:36

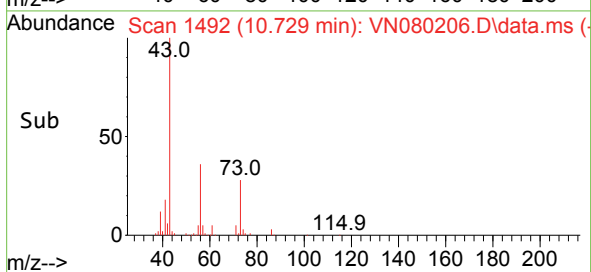
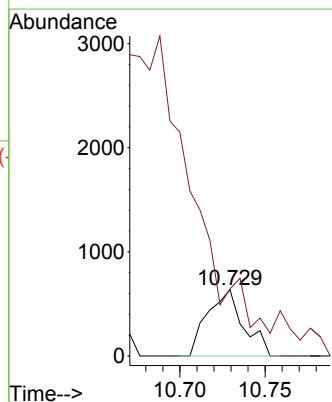
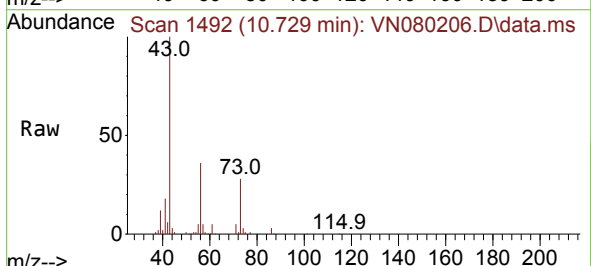
Instrument :
MSVOA_N
ClientSampleId :

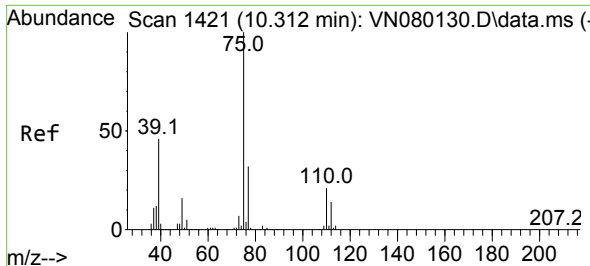
Tgt Ion: 43 Resp: 4302
Ion Ratio Lower Upper
43 100
58 48.3 36.6 54.8



#53
t-1,3-Dichloropropene
Concen: 0.291 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN080206.D
Acq: 20 Nov 2023 14:36

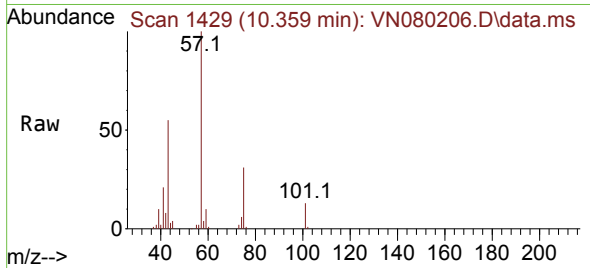
Tgt Ion: 75 Resp: 935
Ion Ratio Lower Upper
75 100
77 32.9 25.4 38.0



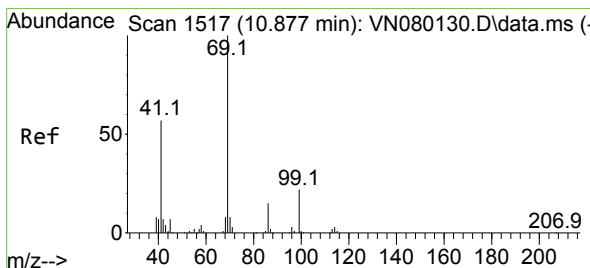
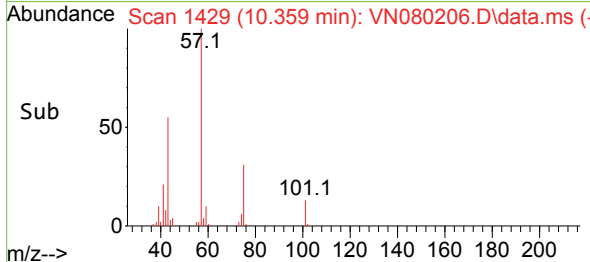
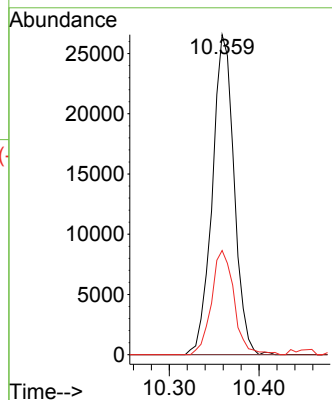


#54
 cis-1,3-Dichloropropene
 Concen: 13.654 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN080206.D
 Acq: 20 Nov 2023 14:36

Instrument :
 MSVOA_N
 ClientSampleId :

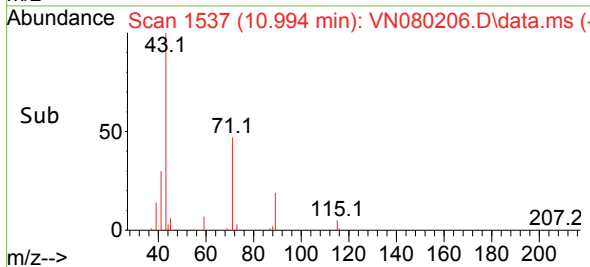
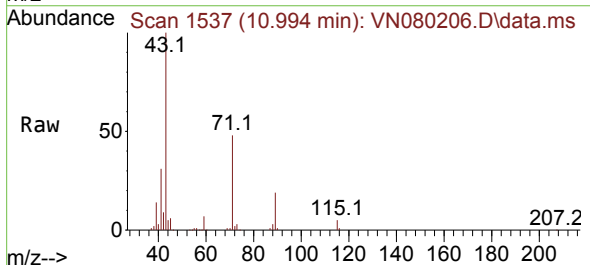
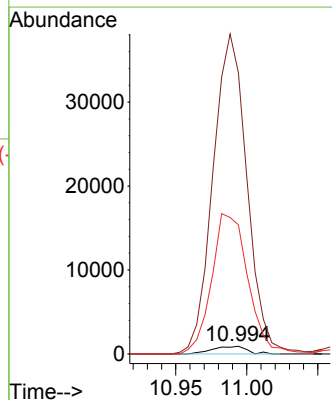


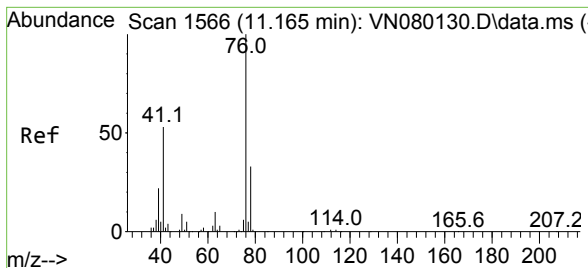
Tgt Ion: 75 Resp: 44809
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 32.6 31.6 47.4



#56
 Ethyl methacrylate
 Concen: 0.782 ug/l
 RT: 10.994 min Scan# 1537
 Delta R.T. 0.118 min
 Lab File: VN080206.D
 Acq: 20 Nov 2023 14:36

Tgt Ion: 69 Resp: 1542
 Ion Ratio Lower Upper
 69 100
 41 4118.2 39.6 59.4#
 39 1935.0 28.6 43.0#

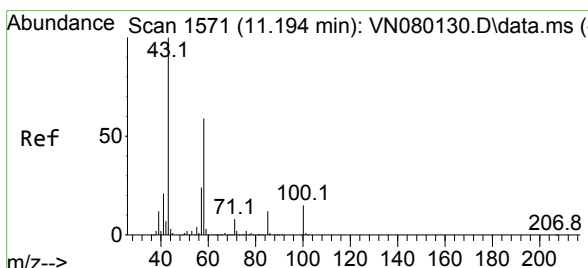
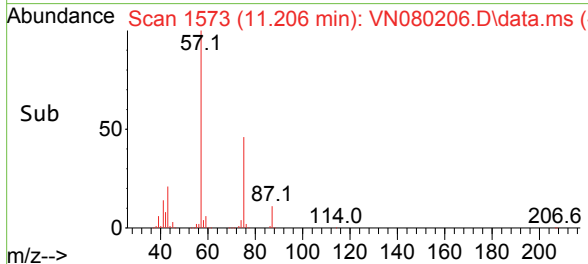
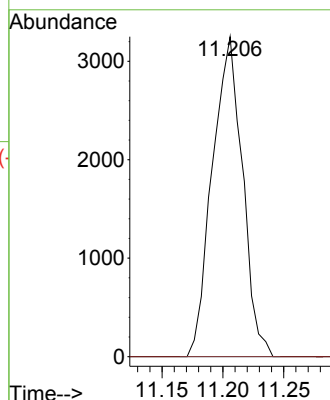
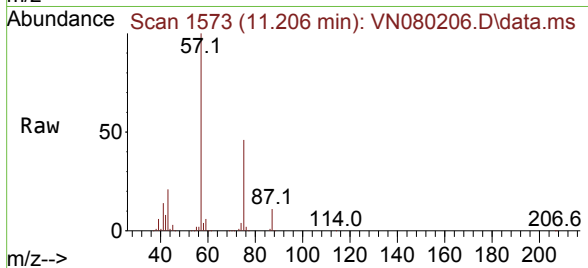




#57
1,3-Dichloropropane
Concen: 1.662 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN080206.D
Acq: 20 Nov 2023 14:36

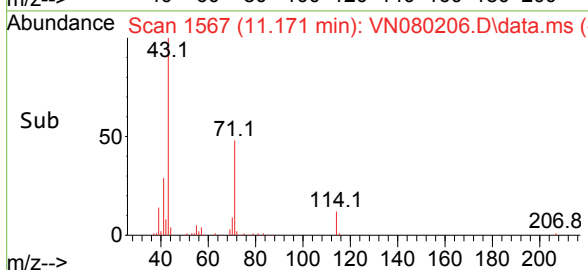
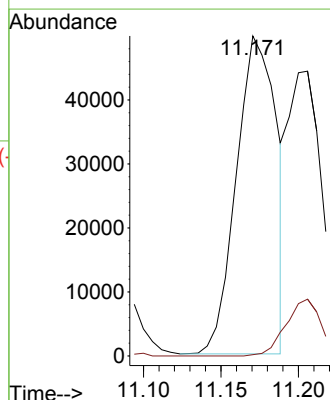
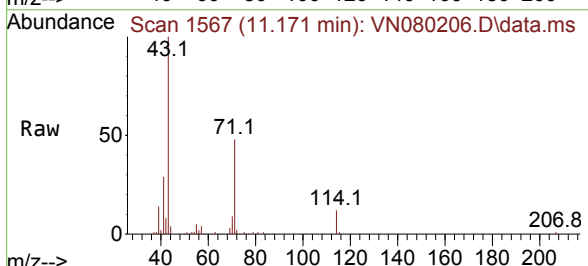
Instrument :
MSVOA_N
ClientSampleId :

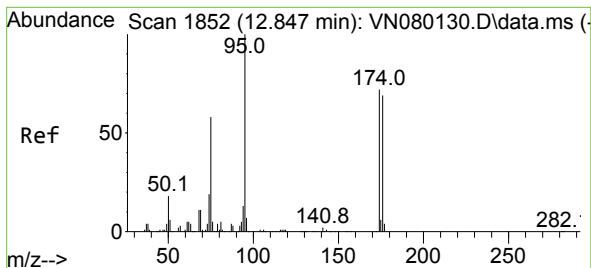
Tgt Ion: 76 Resp: 5600
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 55.997 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.024 min
Lab File: VN080206.D
Acq: 20 Nov 2023 14:36

Tgt Ion: 43 Resp: 89391
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#

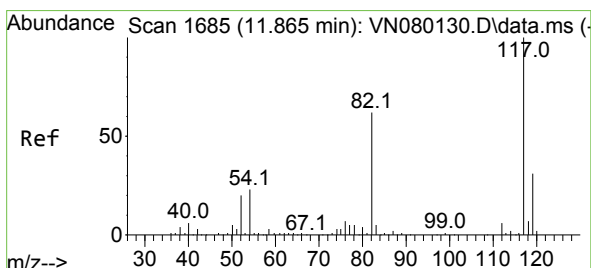
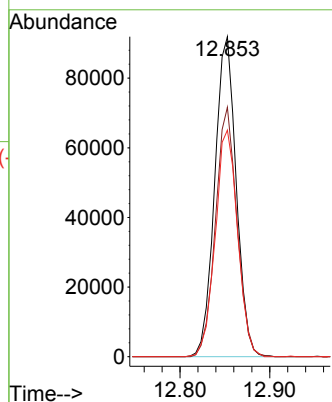
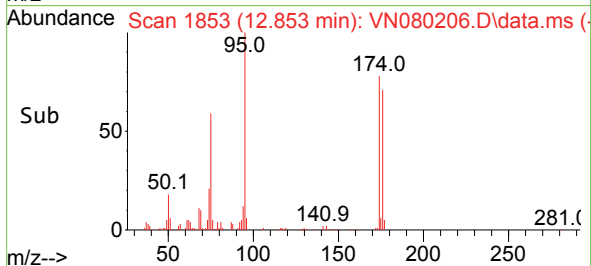
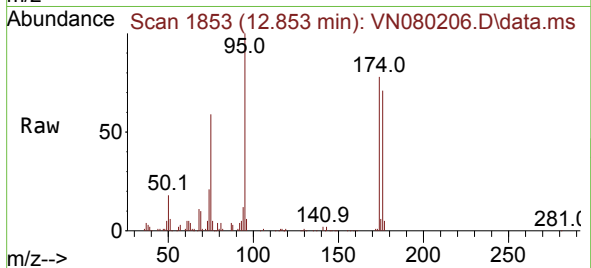




#62
4-Bromofluorobenzene
Concen: 57.057 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN080206.D
Acq: 20 Nov 2023 14:36

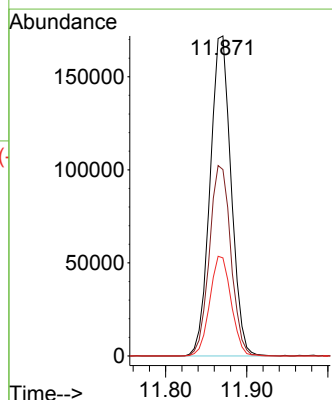
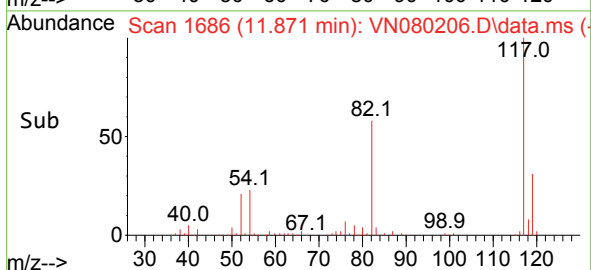
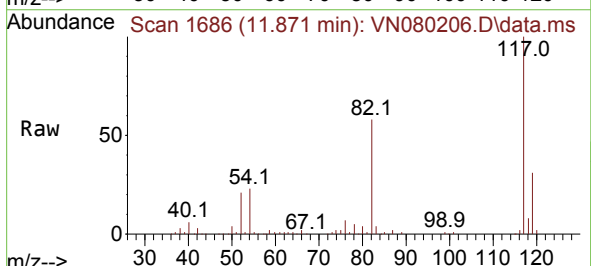
Instrument :
MSVOA_N
ClientSampleId :

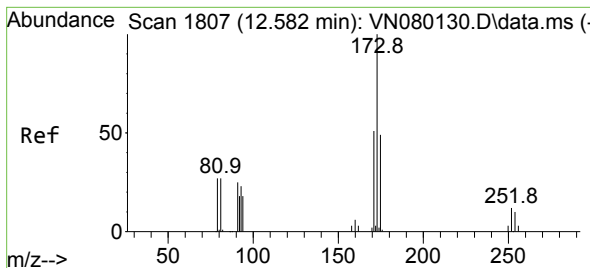
Tgt Ion: 95 Resp: 152544
Ion Ratio Lower Upper
95 100
174 78.1 0.0 143.8
176 73.6 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN080206.D
Acq: 20 Nov 2023 14:36

Tgt Ion: 117 Resp: 309728
Ion Ratio Lower Upper
117 100
82 58.3 44.0 66.0
119 30.7 25.6 38.4





#71

Bromoform

Concen: 0.621 ug/l

RT: 12.841 min Scan# 11

Delta R.T. 0.259 min

Lab File: VN080206.D

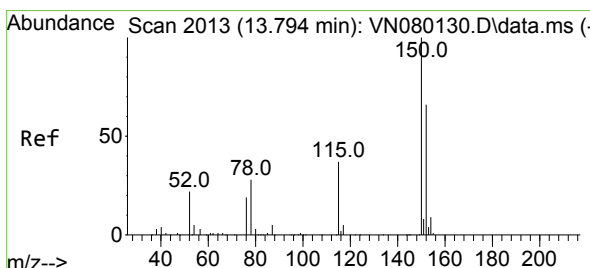
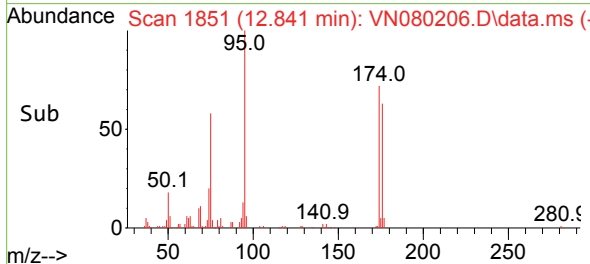
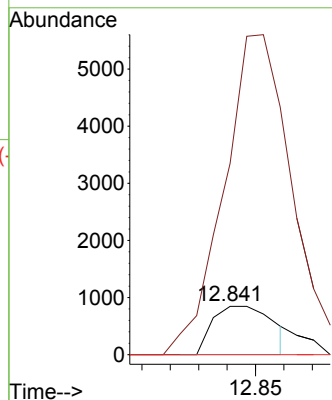
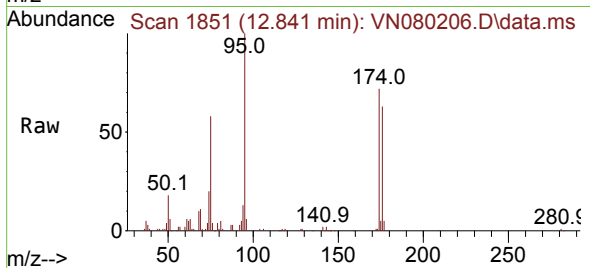
Acq: 20 Nov 2023 14:36

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	173	Resp:	1254
Ion Ratio	Lower	Upper	
173	100		
175	619.2	24.3	73.0#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

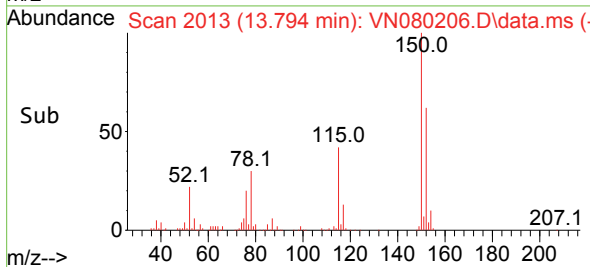
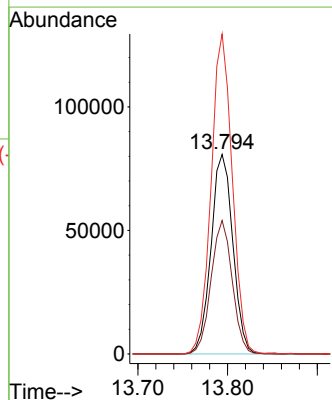
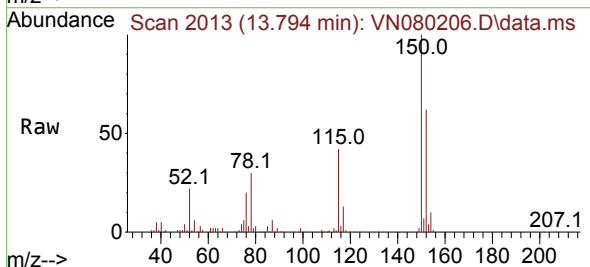
RT: 13.794 min Scan# 2013

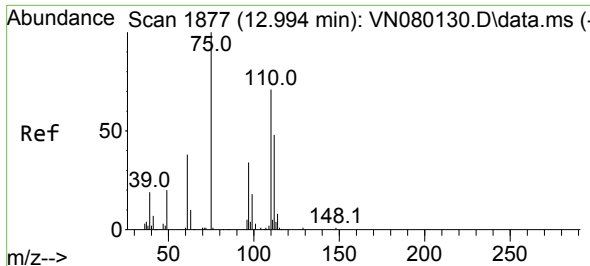
Delta R.T. -0.000 min

Lab File: VN080206.D

Acq: 20 Nov 2023 14:36

Tgt Ion:	152	Resp:	136299
Ion Ratio	Lower	Upper	
152	100		
115	64.7	32.3	96.8
150	155.7	0.0	355.8

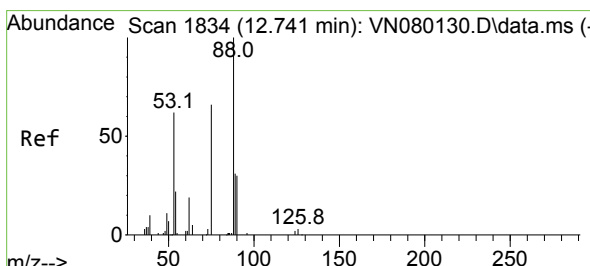
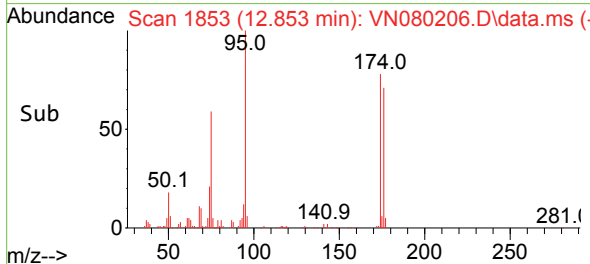
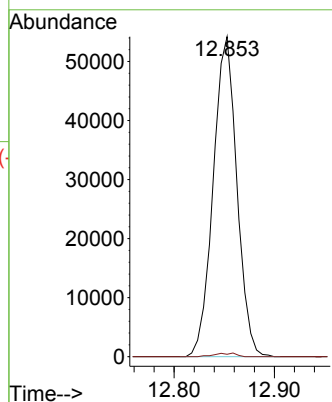
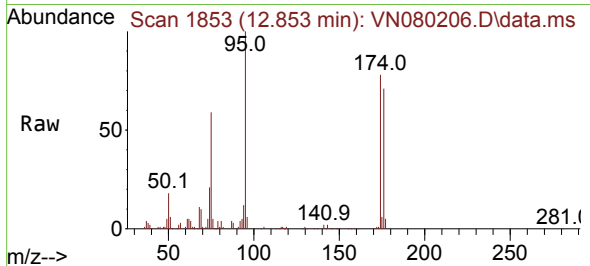




#76
1,2,3-Trichloropropane
Concen: 26.645 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080206.D
Acq: 20 Nov 2023 14:36

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 88981
Ion Ratio Lower Upper
75 100
77 1.0 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.021 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN080206.D
Acq: 20 Nov 2023 14:36

Tgt Ion: 75 Resp: 88981
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

