

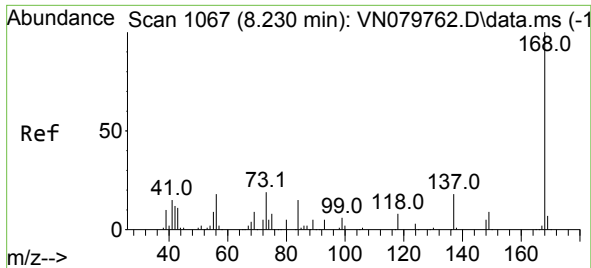
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111523\
 Data File : VN080112.D
 Acq On : 15 Nov 2023 15:54
 Operator : JC\MD
 Sample : 05412-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 15 21:54:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:49:08 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	178383	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	342074	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	366146	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	156482	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	150946	55.541	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	111.080%
35) Dibromofluoromethane	8.165	113	117394	48.489	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.980%
50) Toluene-d8	10.571	98	431975	48.467	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.940%
62) 4-Bromofluorobenzene	12.853	95	169676	57.402	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	114.800%
Target Compounds						Qvalue
3) Chloromethane	2.354	50	449	Below Cal	#	42
16) Acetone	4.430	43	26163	27.406	ug/l	93
18) Methyl Acetate	5.036	43	3800	0.832	ug/l #	67
20) Methylene Chloride	5.271	84	8088	3.358	ug/l #	90
25) 2-Butanone	7.500	43	2280	1.631	ug/l #	83
31) Cyclohexane	8.224	56	4382	1.220	ug/l #	46
36) 1,1-Dichloropropene	8.230	75	15102	4.369	ug/l #	43
37) Ethyl Acetate	7.565	43	2944	0.929	ug/l #	75
38) Carbon Tetrachloride	8.224	117	20232	5.807	ug/l #	15
42) 1,2-Dichloroethane	8.671	62	922	0.255	ug/l #	73
43) Isopropyl Acetate	8.688	43	160615	28.888	ug/l #	81
45) 1,2-Dichloropropane	9.741	63	1788	0.676	ug/l #	45
48) Methyl methacrylate	9.671	41	3829	1.572	ug/l #	31
49) 1,4-Dioxane	9.735	88	191	4.439	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	5759	1.840	ug/l	100
53) t-1,3-Dichloropropene	10.724	75	1246	0.330	ug/l #	73
54) cis-1,3-Dichloropropene	10.359	75	57144	13.879	ug/l #	67
56) Ethyl methacrylate	10.988	69	1961	0.557	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	7142	1.641	ug/l #	42
59) 2-Hexanone	11.171	43	118120	49.328	ug/l #	19
71) Bromoform	12.841	173	408	0.201	ug/l #	28
74) N-amyl acetate	12.488	43	1277	0.246	ug/l #	36
76) 1,2,3-Trichloropropane	12.853	75	95783	26.072	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	95783	70.937	ug/l #	15

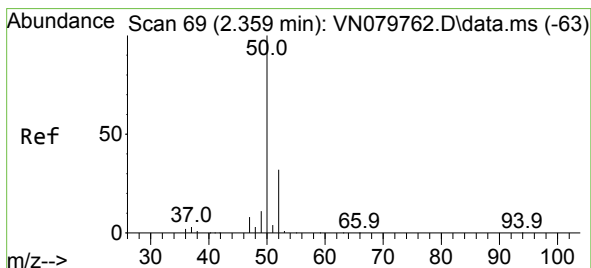
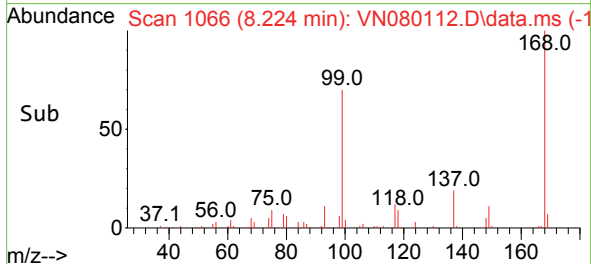
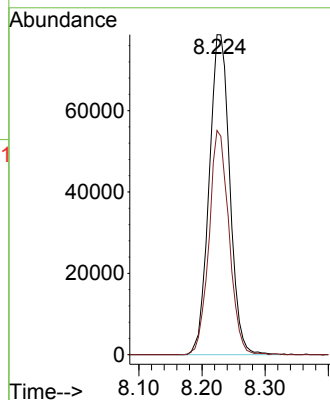
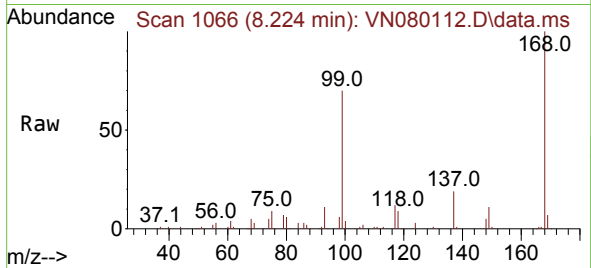
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.005 min
Lab File: VN080112.D
Acq: 15 Nov 2023 15:54

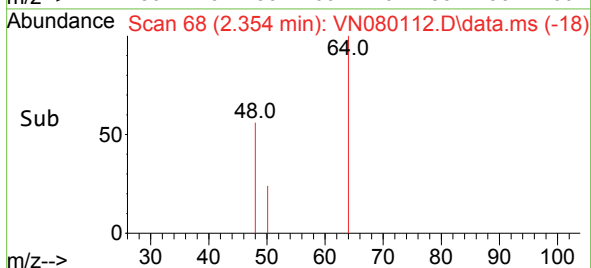
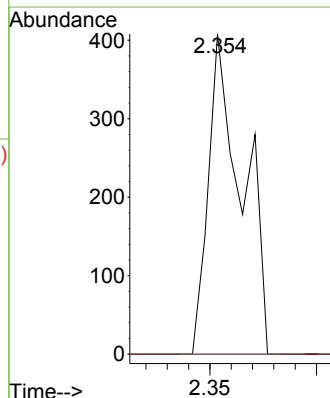
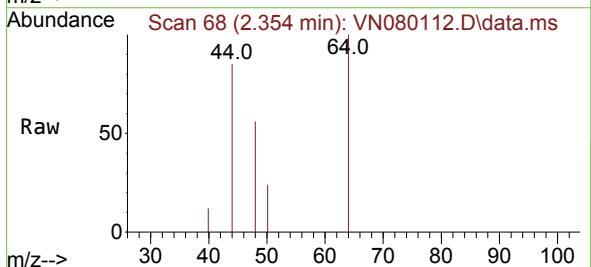
Instrument :
MSVOA_N
ClientSampleId :

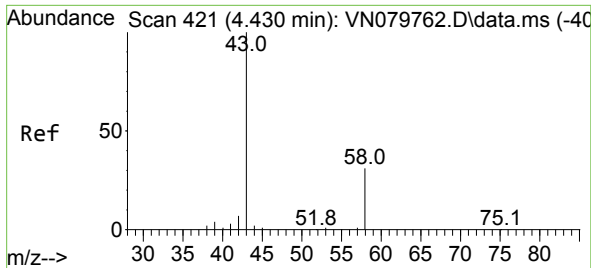
Tgt Ion:168 Resp: 178383
Ion Ratio Lower Upper
168 100
99 70.1 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.354 min Scan# 68
Delta R.T. -0.005 min
Lab File: VN080112.D
Acq: 15 Nov 2023 15:54

Tgt Ion: 50 Resp: 449
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

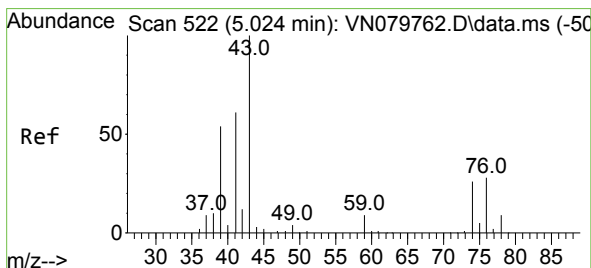
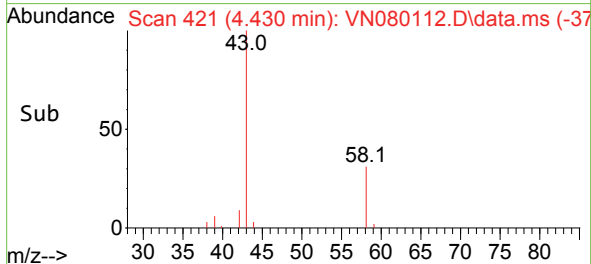
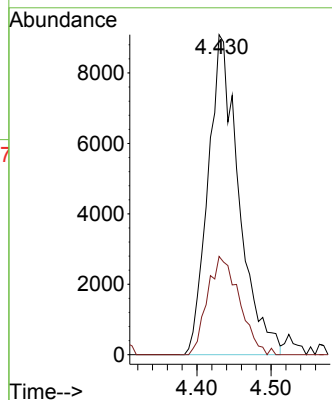
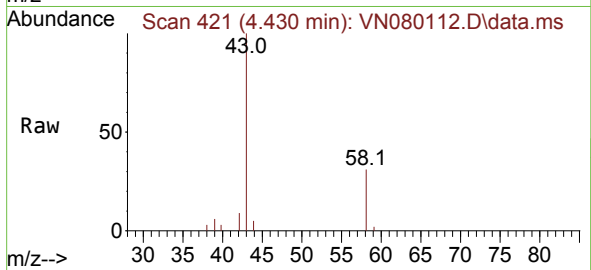




#16
Acetone
Concen: 27.406 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.000 min
Lab File: VN080112.D
Acq: 15 Nov 2023 15:54

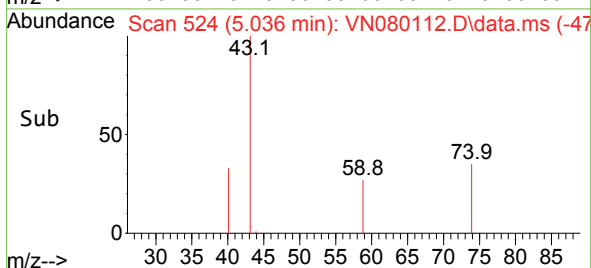
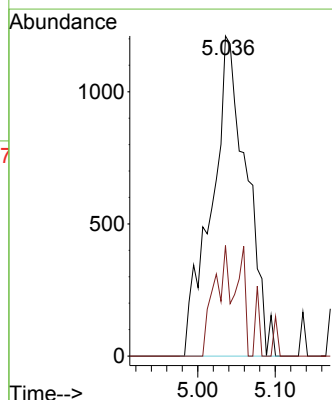
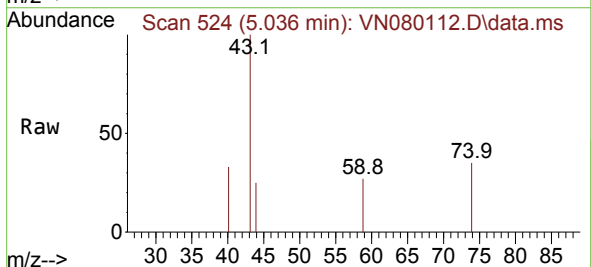
Instrument :
MSVOA_N
ClientSampleId :

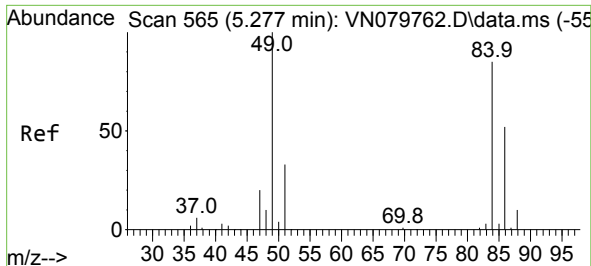
Tgt Ion: 43 Resp: 26163
Ion Ratio Lower Upper
43 100
58 30.7 28.0 42.0



#18
Methyl Acetate
Concen: 0.832 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.012 min
Lab File: VN080112.D
Acq: 15 Nov 2023 15:54

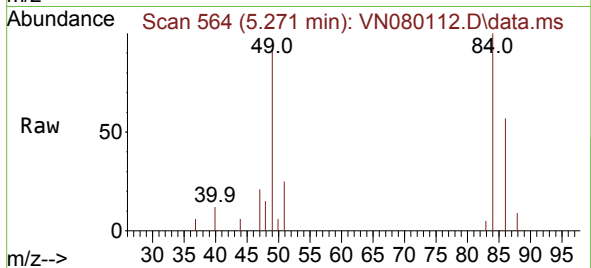
Tgt Ion: 43 Resp: 3800
Ion Ratio Lower Upper
43 100
74 14.4 26.2 39.4#



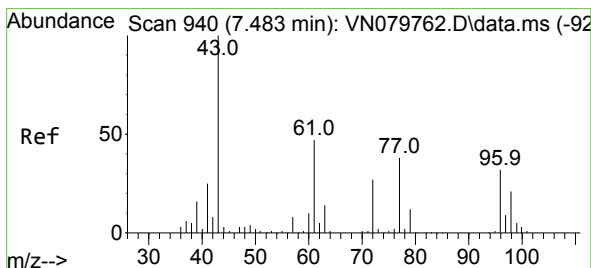
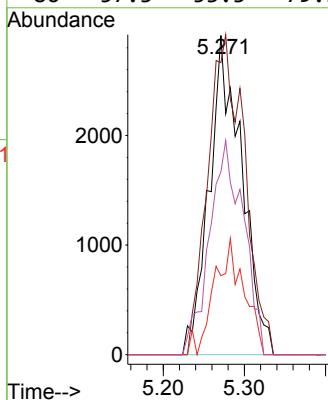
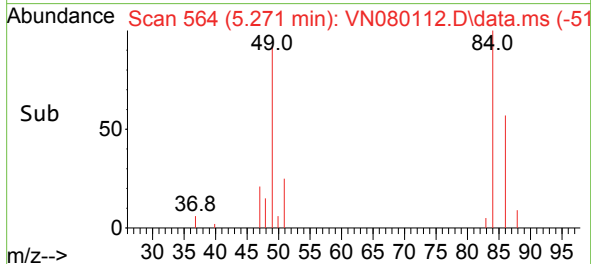


#20
Methylene Chloride
Concen: 3.358 ug/l
RT: 5.271 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN080112.D
Acq: 15 Nov 2023 15:54

Instrument :
MSVOA_N
ClientSampleId :

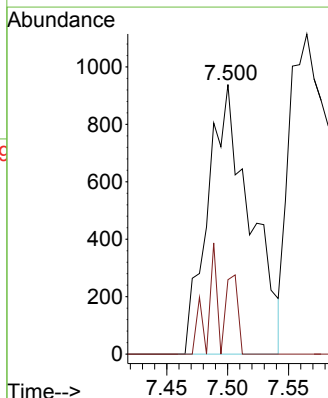
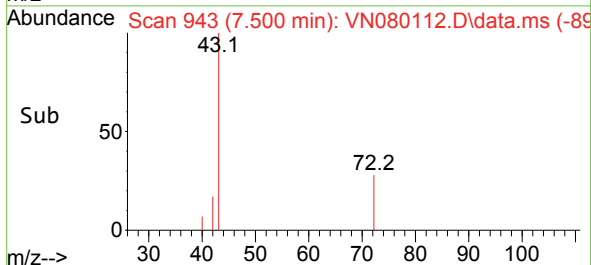
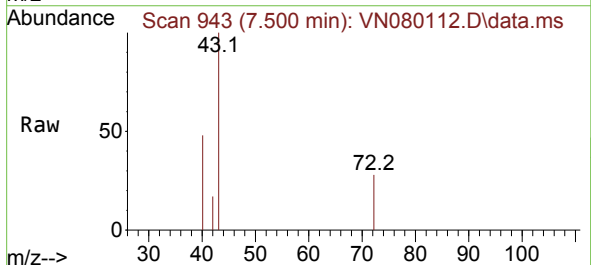


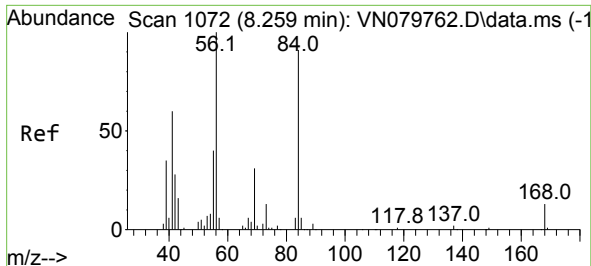
Tgt Ion:	84	Resp:	8088
Ion	Ratio	Lower	Upper
84	100		
49	91.5	79.7	119.5
51	24.8	25.2	37.8#
86	57.3	53.3	79.9



#25
2-Butanone
Concen: 1.631 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.012 min
Lab File: VN080112.D
Acq: 15 Nov 2023 15:54

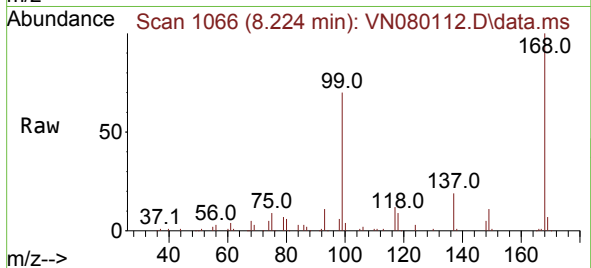
Tgt Ion:	43	Resp:	2280
Ion	Ratio	Lower	Upper
43	100		
72	27.6	30.2	45.2#



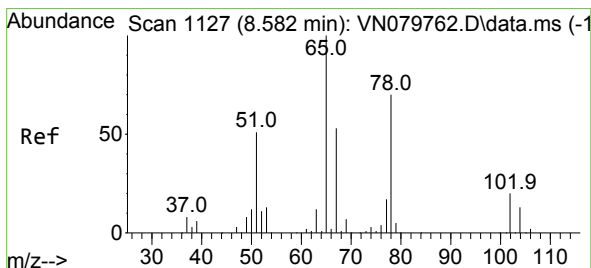
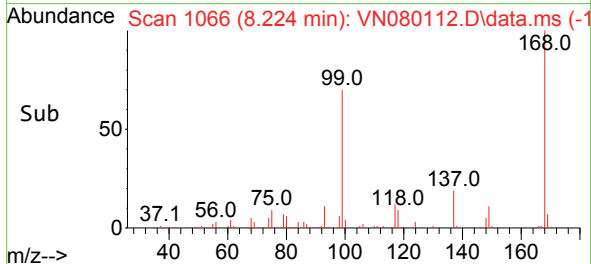
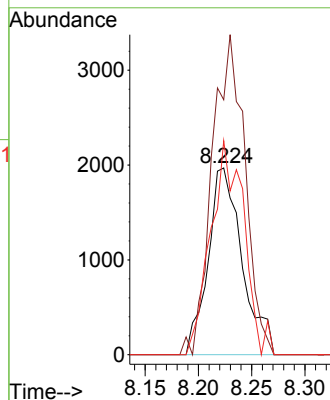


#31
Cyclohexane
Concen: 1.220 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN080112.D
Acq: 15 Nov 2023 15:54

Instrument :
MSVOA_N
ClientSampleId :

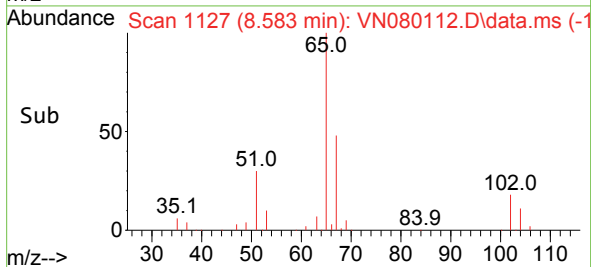
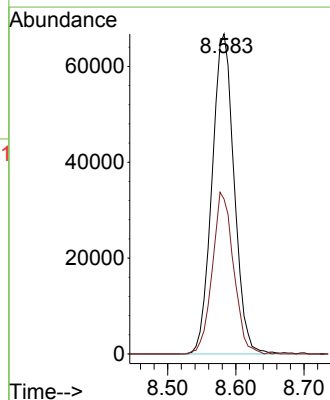
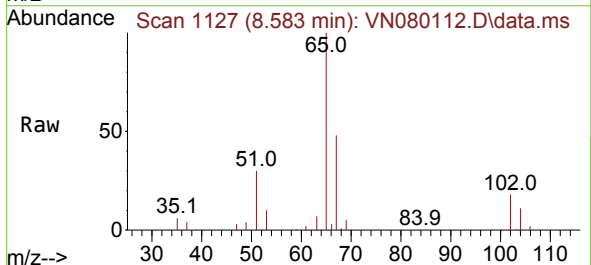


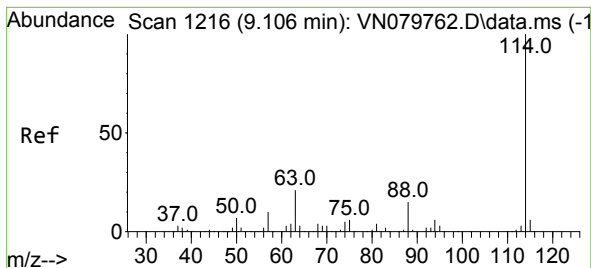
Tgt Ion: 56 Resp: 4382
Ion Ratio Lower Upper
56 100
69 136.5 26.8 40.2#
84 114.6 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 55.541 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN080112.D
Acq: 15 Nov 2023 15:54

Tgt Ion: 65 Resp: 150946
Ion Ratio Lower Upper
65 100
67 48.7 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: VN080112.D

Acq: 15 Nov 2023 15:54

Instrument :

MSVOA_N

ClientSampleId :

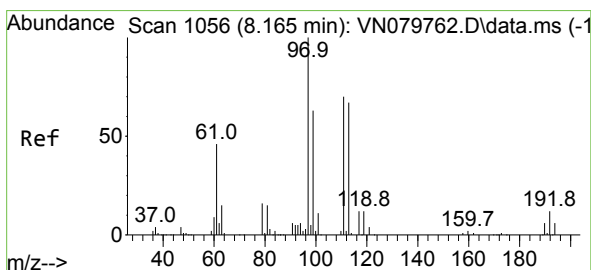
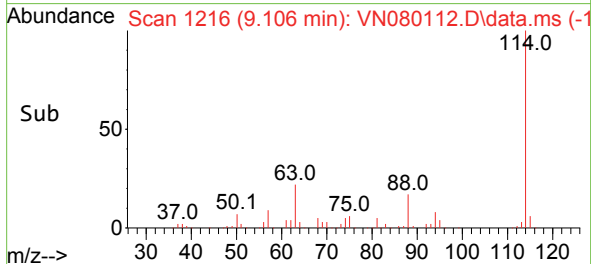
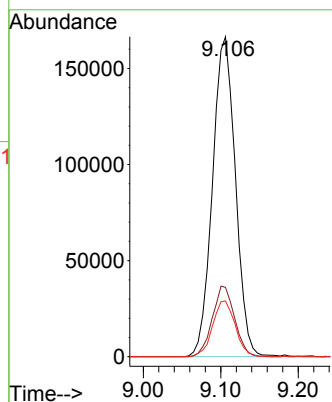
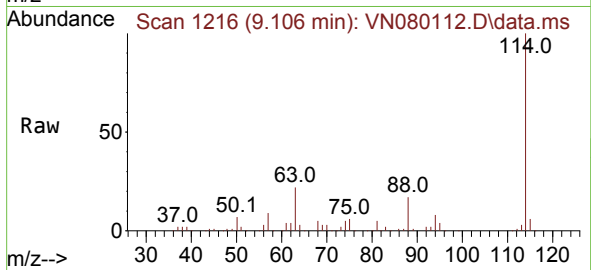
Tgt Ion:114 Resp: 342074

Ion Ratio Lower Upper

114 100

63 21.7 0.0 36.4

88 17.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 48.489 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VN080112.D

Acq: 15 Nov 2023 15:54

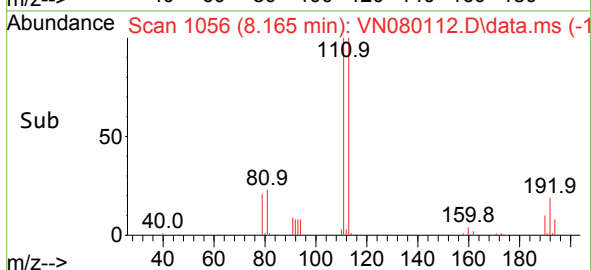
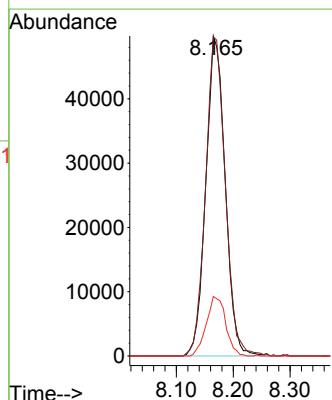
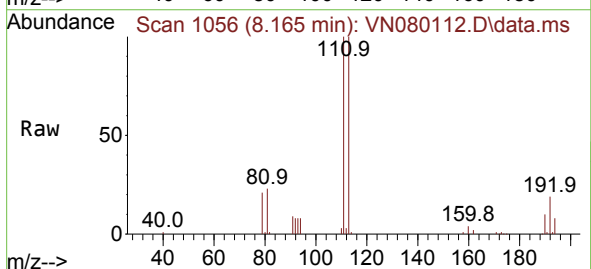
Tgt Ion:113 Resp: 117394

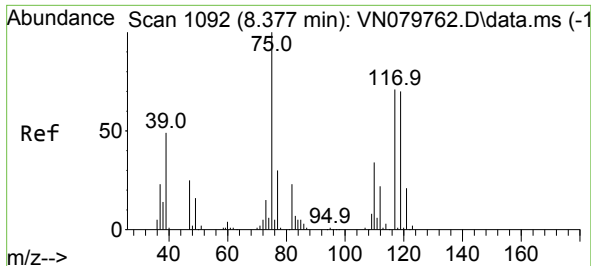
Ion Ratio Lower Upper

113 100

111 101.7 82.6 123.8

192 18.6 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.369 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

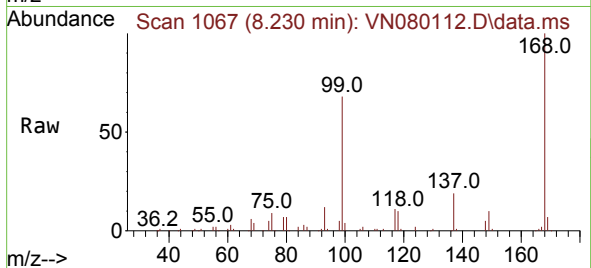
Lab File: VN080112.D

Acq: 15 Nov 2023 15:54

Instrument :

MSVOA_N

ClientSampleId :



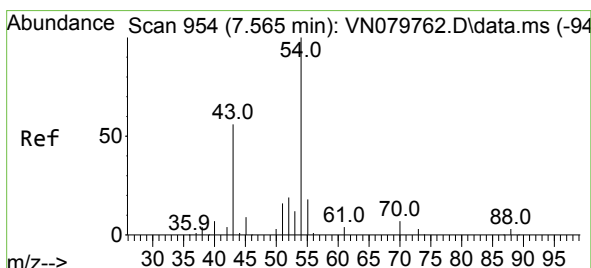
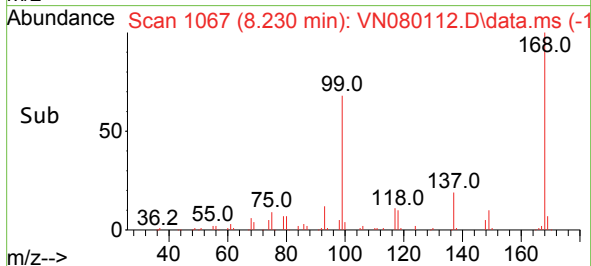
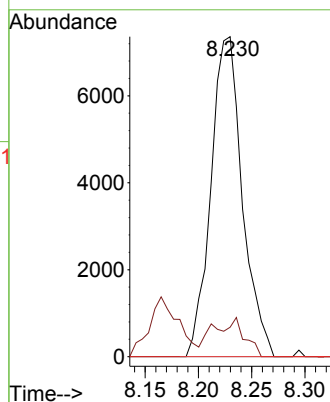
Tgt Ion: 75 Resp: 15102

Ion Ratio Lower Upper

75 100

110 3.7 19.1 57.3#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 0.929 ug/l

RT: 7.565 min Scan# 954

Delta R.T. 0.000 min

Lab File: VN080112.D

Acq: 15 Nov 2023 15:54

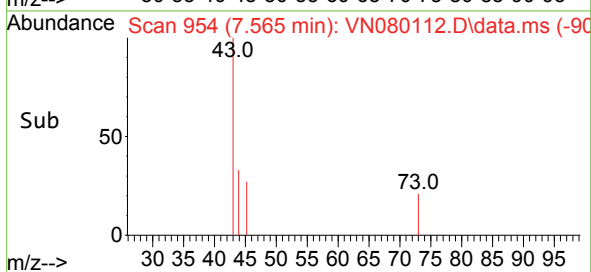
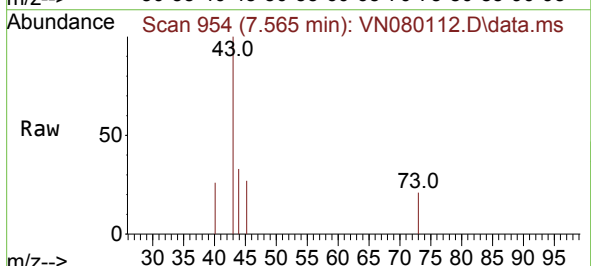
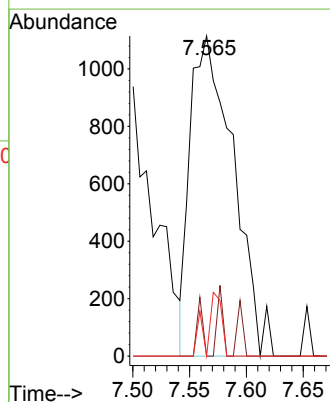
Tgt Ion: 43 Resp: 2944

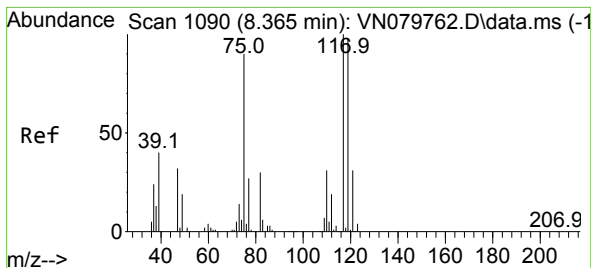
Ion Ratio Lower Upper

43 100

61 3.0 13.2 19.8#

70 6.9 11.3 16.9#





#38

Carbon Tetrachloride

Concen: 5.807 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

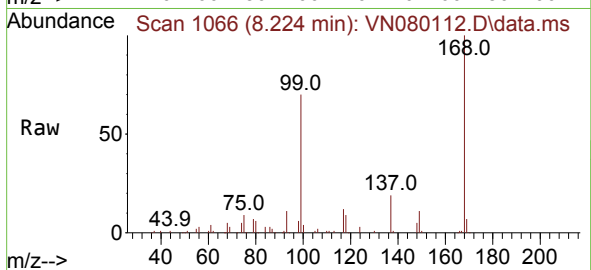
Lab File: VN080112.D

Acq: 15 Nov 2023 15:54

Instrument :

MSVOA_N

ClientSampleId :



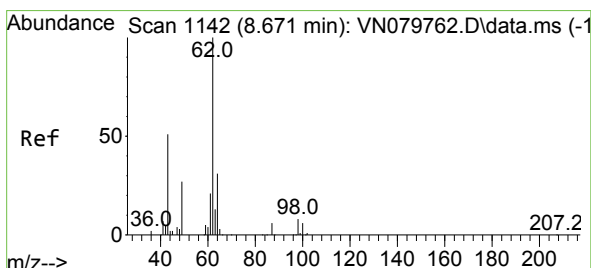
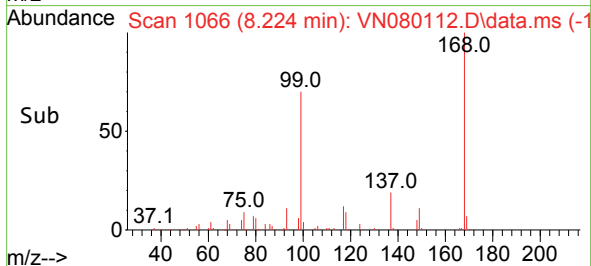
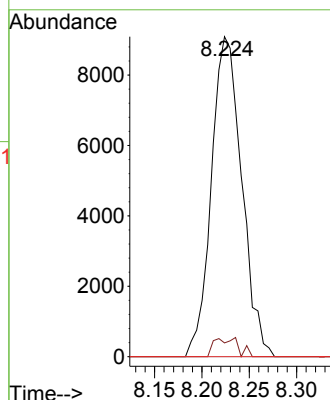
Tgt Ion:117 Resp: 20232

Ion Ratio Lower Upper

117 100

119 4.3 77.3 115.9#

121 0.0 23.3 34.9#



#42

1,2-Dichloroethane

Concen: 0.255 ug/l

RT: 8.671 min Scan# 1142

Delta R.T. 0.000 min

Lab File: VN080112.D

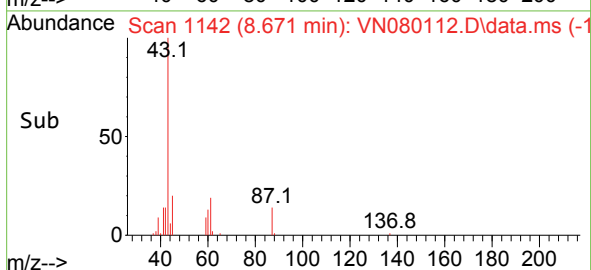
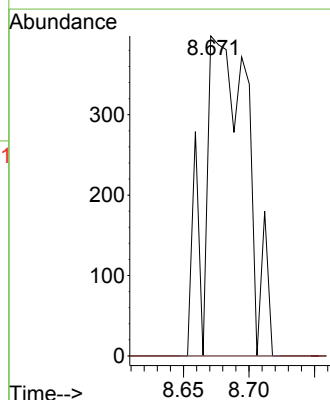
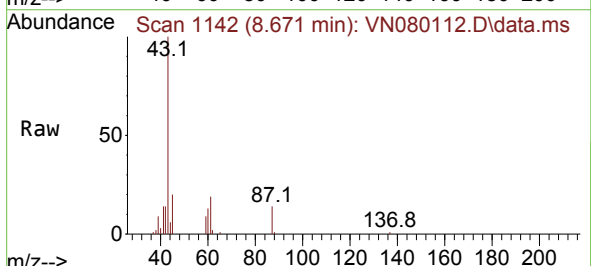
Acq: 15 Nov 2023 15:54

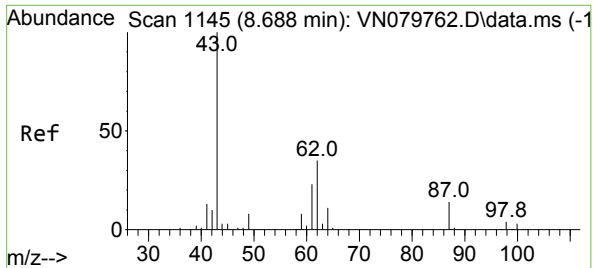
Tgt Ion: 62 Resp: 922

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8

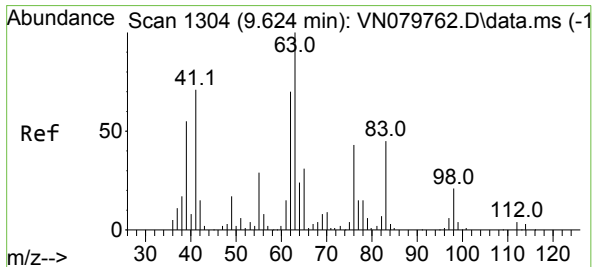
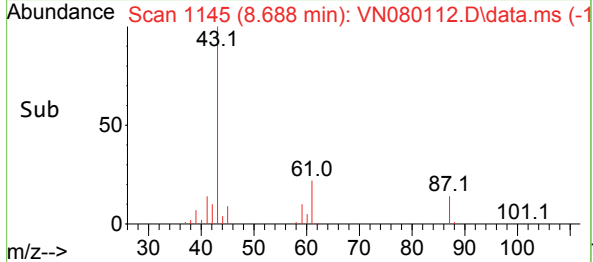
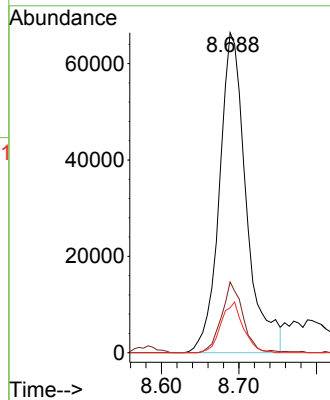
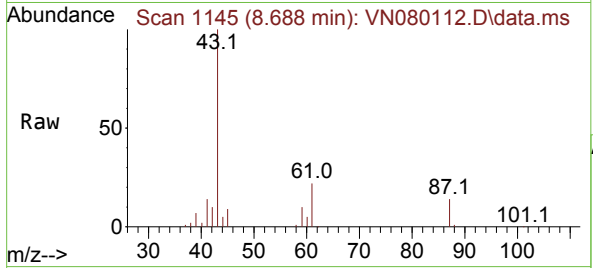




#43
Isopropyl Acetate
Concen: 28.888 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN080112.D
Acq: 15 Nov 2023 15:54

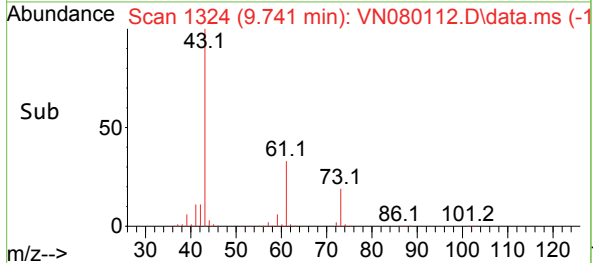
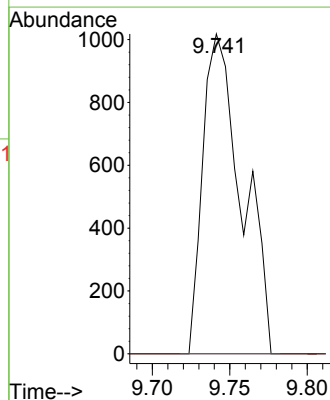
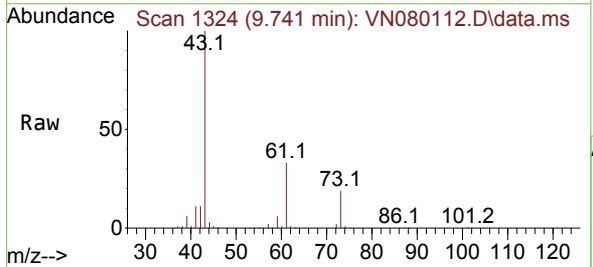
Instrument :
MSVOA_N
ClientSampleId :

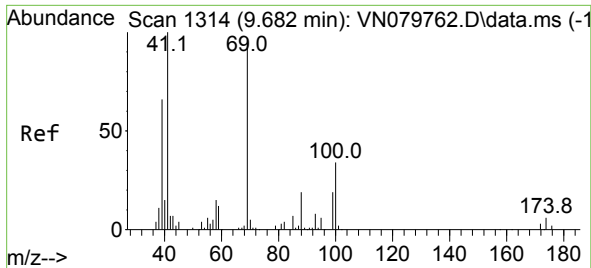
Tgt Ion: 43 Resp: 160615
Ion Ratio Lower Upper
43 100
61 17.7 24.7 37.1#
87 13.1 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.676 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.118 min
Lab File: VN080112.D
Acq: 15 Nov 2023 15:54

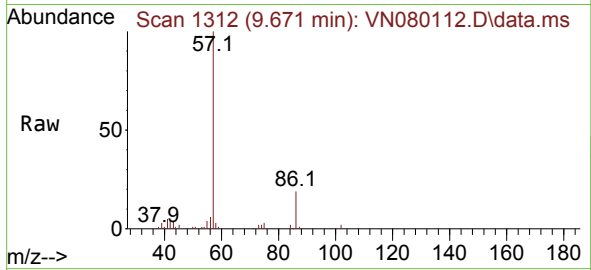
Tgt Ion: 63 Resp: 1788
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#



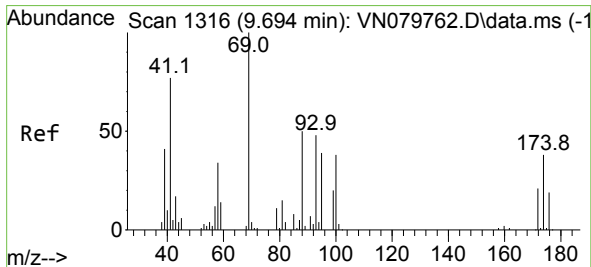
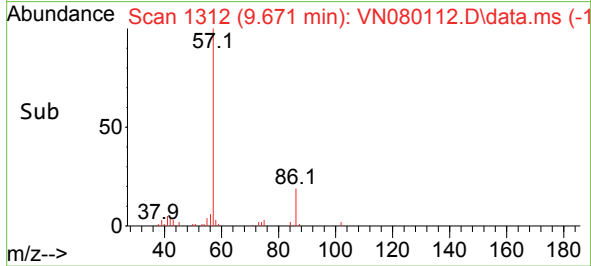
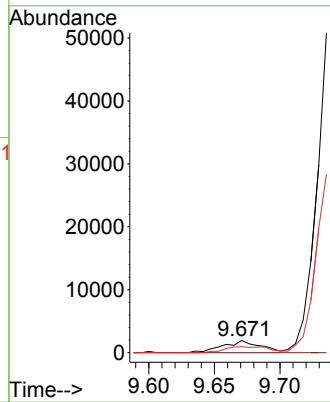


#48
Methyl methacrylate
Concen: 1.572 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN080112.D
Acq: 15 Nov 2023 15:54

Instrument :
MSVOA_N
ClientSampleId :

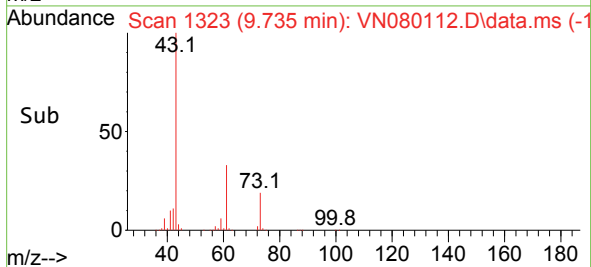
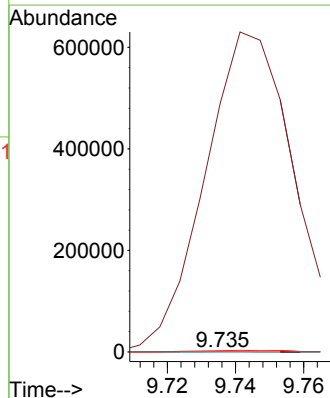
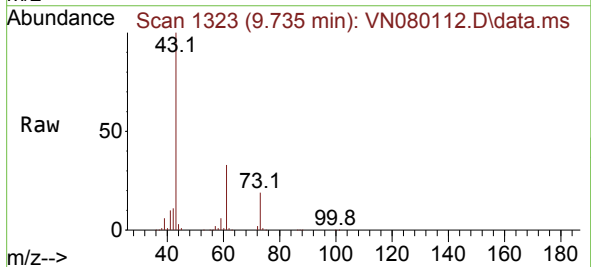


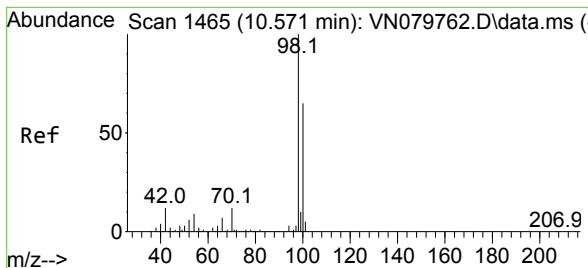
Tgt Ion: 41 Resp: 3829
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 60.2 54.6 81.8



#49
1,4-Dioxane
Concen: 4.439 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.041 min
Lab File: VN080112.D
Acq: 15 Nov 2023 15:54

Tgt Ion: 88 Resp: 191
Ion Ratio Lower Upper
88 100
43 605900.5 17.0 25.6#
58 3148.7 47.0 70.4#

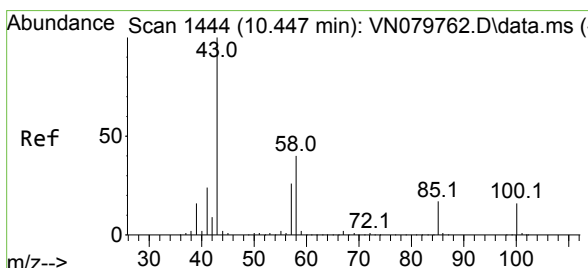
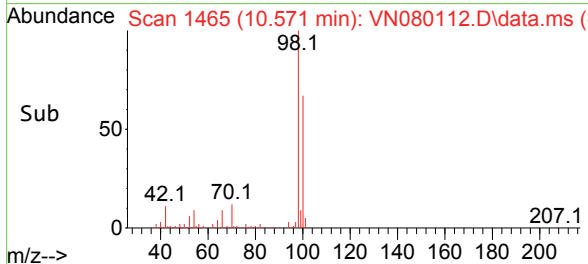
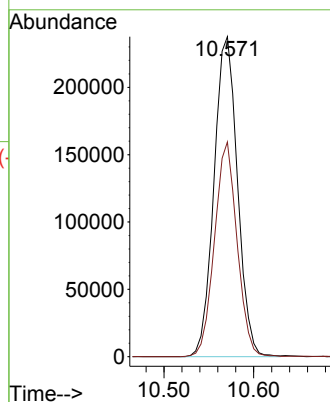
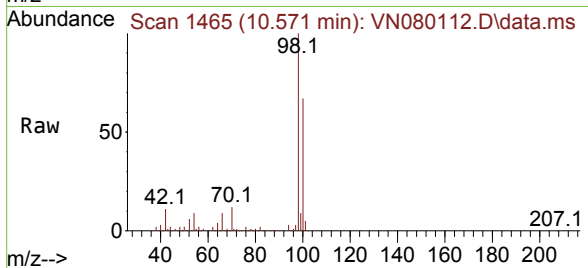




#50
Toluene-d8
Concen: 48.467 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN080112.D
Acq: 15 Nov 2023 15:54

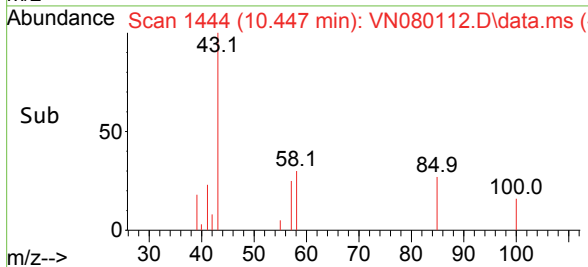
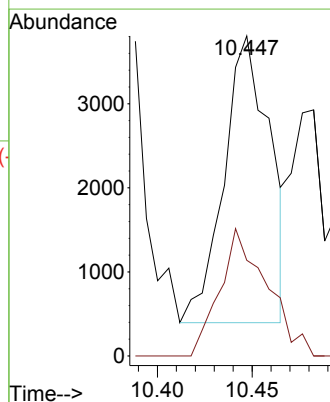
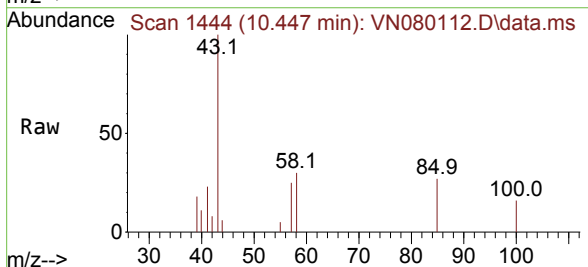
Instrument :
MSVOA_N
ClientSampleId :

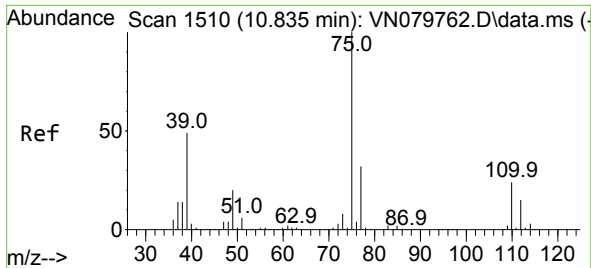
Tgt Ion: 98 Resp: 431975
Ion Ratio Lower Upper
98 100
100 64.5 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.840 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN080112.D
Acq: 15 Nov 2023 15:54

Tgt Ion: 43 Resp: 5759
Ion Ratio Lower Upper
43 100
58 45.5 36.6 54.8

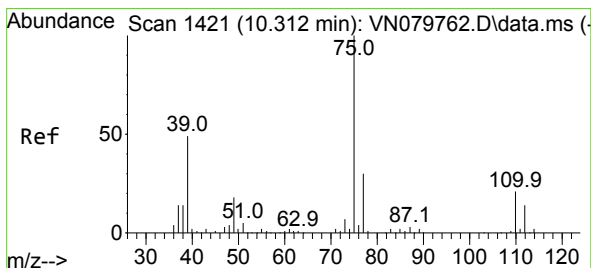
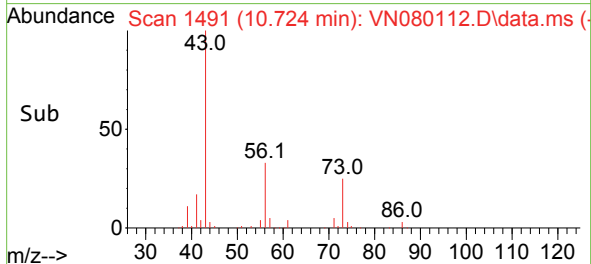
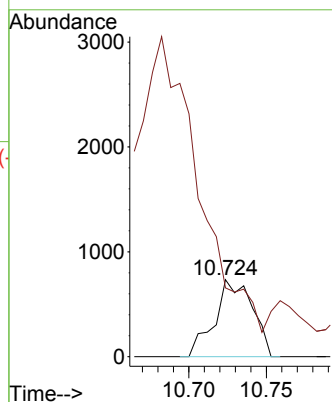
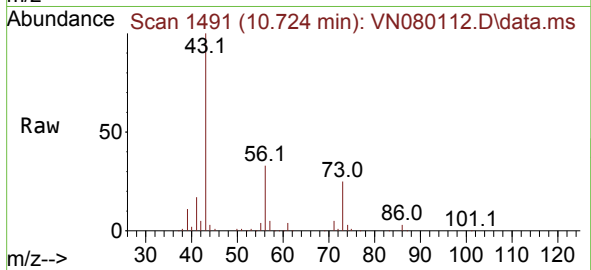




#53
t-1,3-Dichloropropene
Concen: 0.330 ug/l
RT: 10.724 min Scan# 1491
Delta R.T. -0.117 min
Lab File: VN080112.D
Acq: 15 Nov 2023 15:54

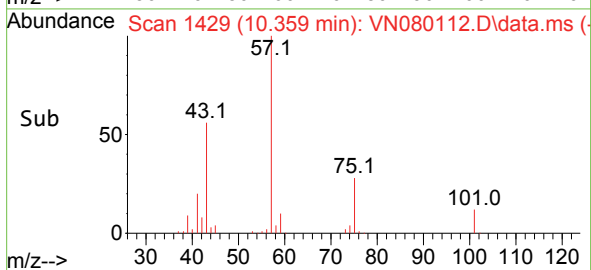
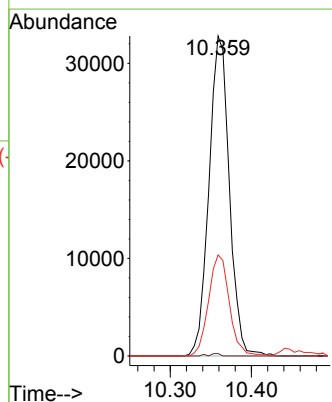
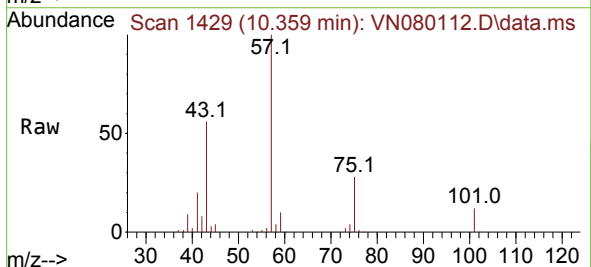
Instrument :
MSVOA_N
ClientSampleId :

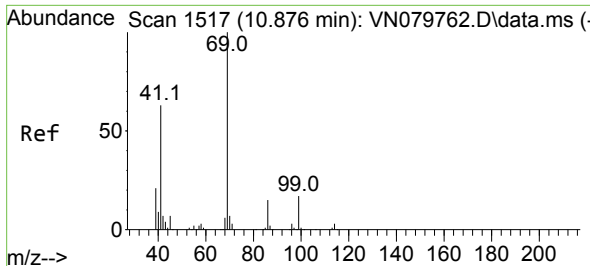
Tgt Ion: 75 Resp: 1246
Ion Ratio Lower Upper
75 100
77 16.6 25.4 38.0#



#54
cis-1,3-Dichloropropene
Concen: 13.879 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.041 min
Lab File: VN080112.D
Acq: 15 Nov 2023 15:54

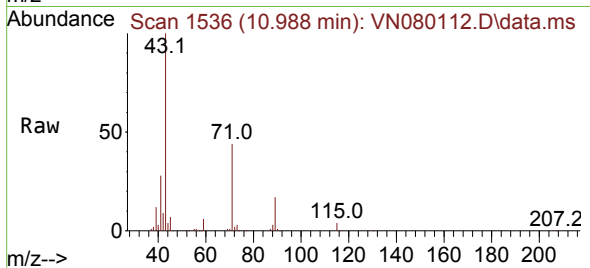
Tgt Ion: 75 Resp: 57144
Ion Ratio Lower Upper
75 100
77 0.8 26.1 39.1#
39 31.6 31.6 47.4



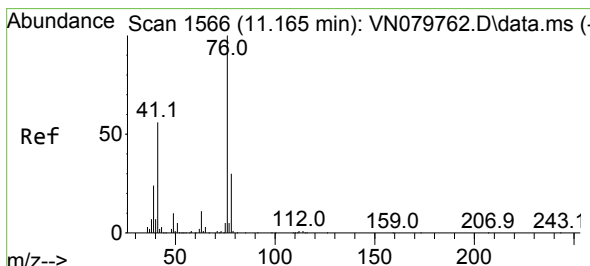
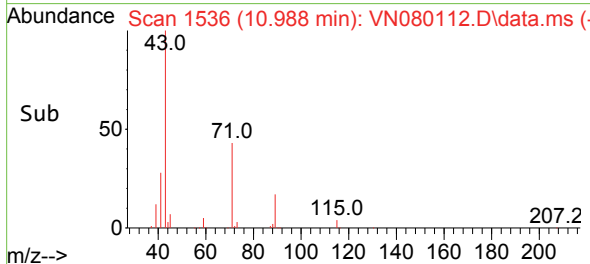
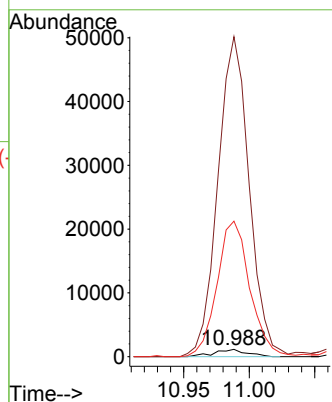


#56
 Ethyl methacrylate
 Concen: 0.557 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.112 min
 Lab File: VN080112.D
 Acq: 15 Nov 2023 15:54

Instrument :
 MSVOA_N
 ClientSampleId :

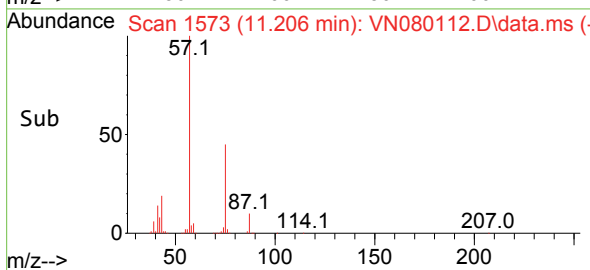
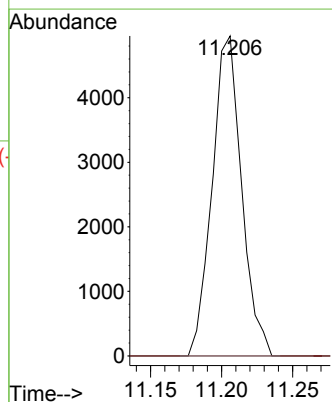
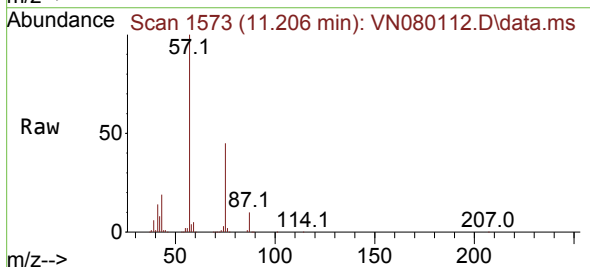


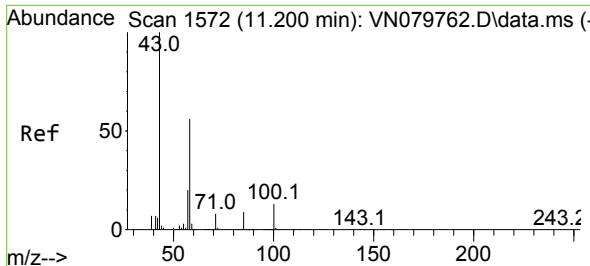
Tgt Ion: 69 Resp: 1961
 Ion Ratio Lower Upper
 69 100
 41 4265.3 39.6 59.4#
 39 1888.3 28.6 43.0#



#57
 1,3-Dichloropropane
 Concen: 1.641 ug/l
 RT: 11.206 min Scan# 1573
 Delta R.T. 0.041 min
 Lab File: VN080112.D
 Acq: 15 Nov 2023 15:54

Tgt Ion: 76 Resp: 7142
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

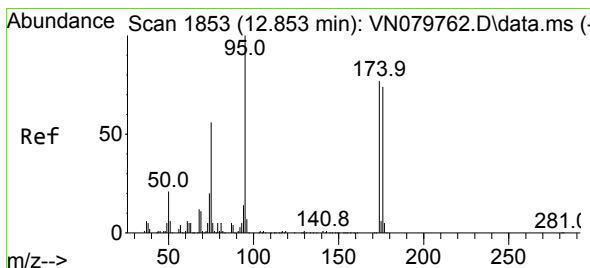
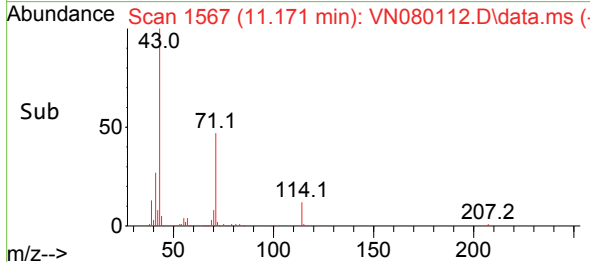
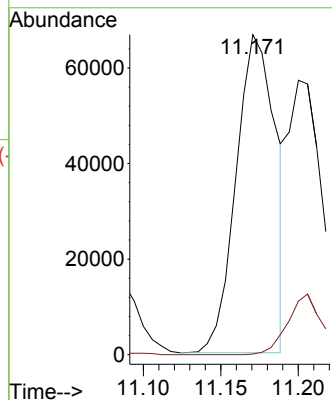
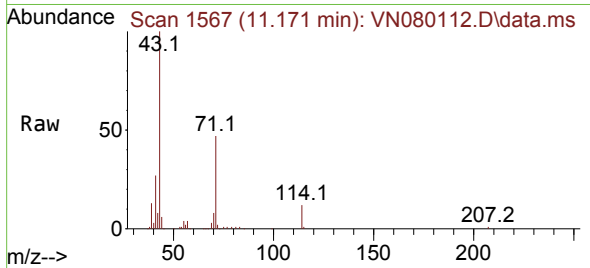




#59
2-Hexanone
Concen: 49.328 ug/l
RT: 11.171 min Scan# 111
Delta R.T. -0.029 min
Lab File: VN080112.D
Acq: 15 Nov 2023 15:54

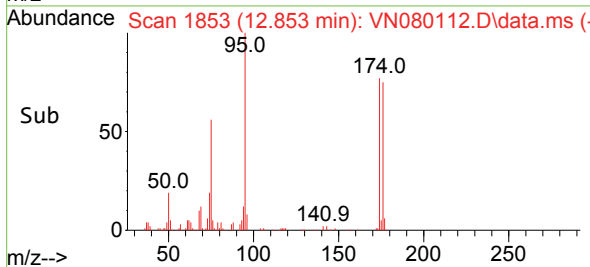
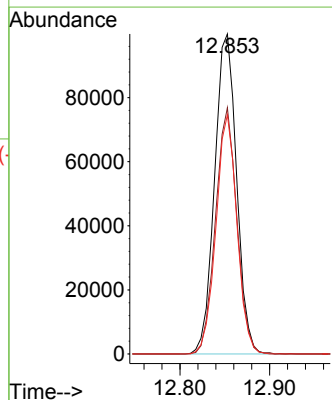
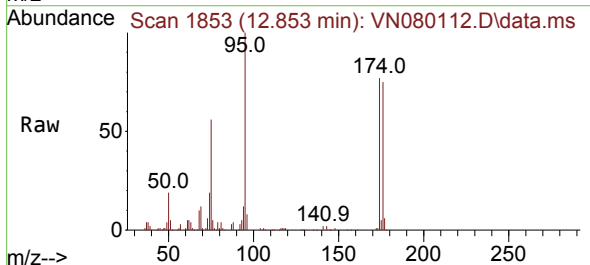
Instrument :
MSVOA_N
ClientSampleId :

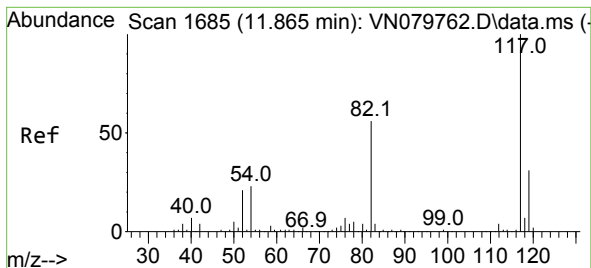
Tgt Ion: 43 Resp: 118120
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 57.402 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN080112.D
Acq: 15 Nov 2023 15:54

Tgt Ion: 95 Resp: 169676
Ion Ratio Lower Upper
95 100
174 74.9 0.0 143.8
176 71.2 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 117

Delta R.T. 0.000 min

Lab File: VN080112.D

Acq: 15 Nov 2023 15:54

Instrument :

MSVOA_N

ClientSampleId :

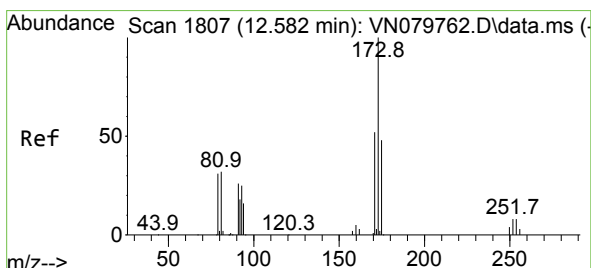
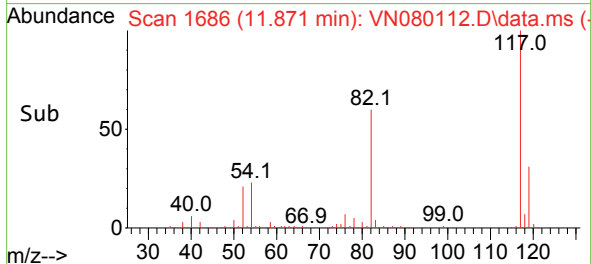
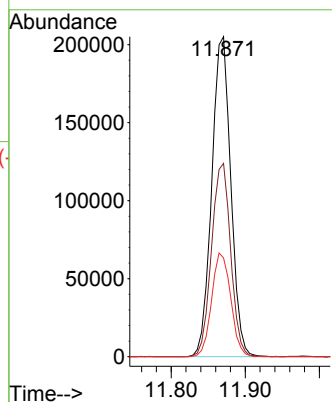
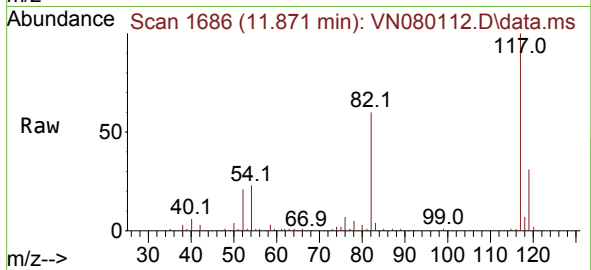
Tgt Ion:117 Resp: 366146

Ion Ratio Lower Upper

117 100

82 60.4 44.0 66.0

119 30.9 25.6 38.4



#71

Bromoform

Concen: 0.201 ug/l

RT: 12.841 min Scan# 1851

Delta R.T. 0.259 min

Lab File: VN080112.D

Acq: 15 Nov 2023 15:54

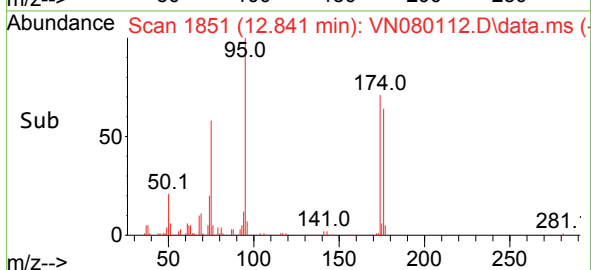
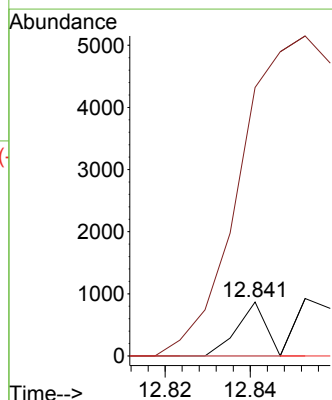
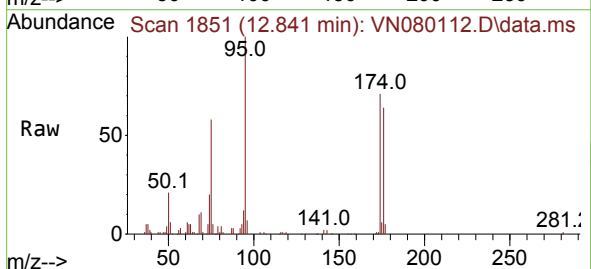
Tgt Ion:173 Resp: 408

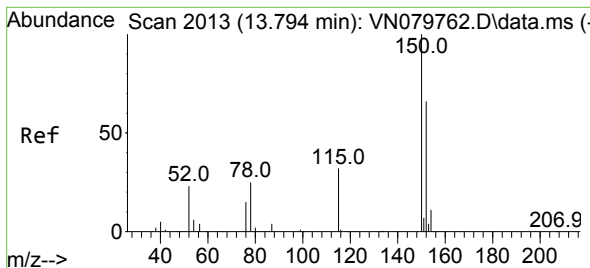
Ion Ratio Lower Upper

173 100

175 0.0 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# 20

Delta R.T. 0.000 min

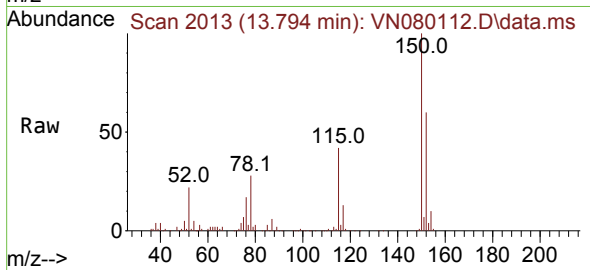
Lab File: VN080112.D

Acq: 15 Nov 2023 15:54

Instrument :

MSVOA_N

ClientSampleId :



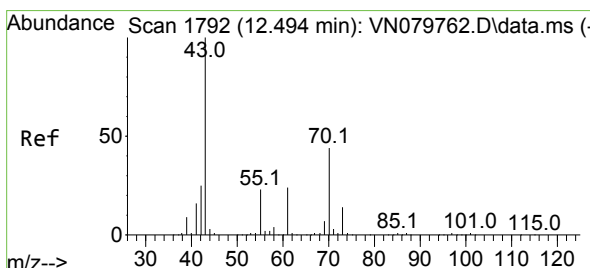
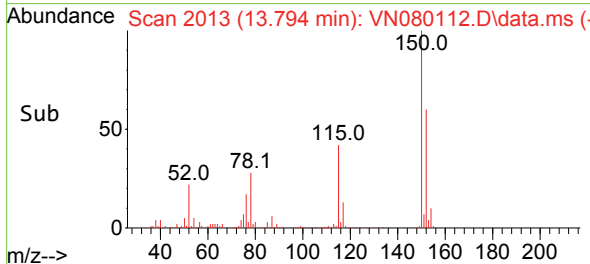
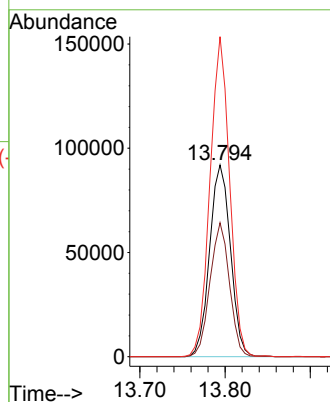
Tgt Ion:152 Resp: 156482

Ion Ratio Lower Upper

152 100

115 65.2 32.3 96.8

150 156.3 0.0 355.8



#74

N-ethyl acetate

Concen: 0.246 ug/l

RT: 12.488 min Scan# 1791

Delta R.T. -0.006 min

Lab File: VN080112.D

Acq: 15 Nov 2023 15:54

Tgt Ion: 43 Resp: 1277

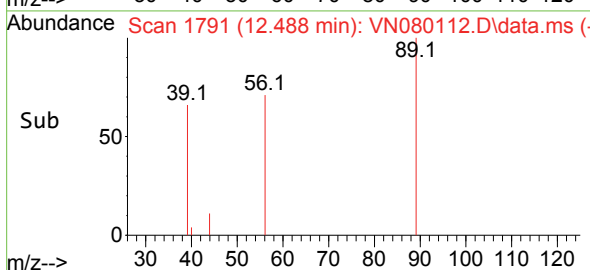
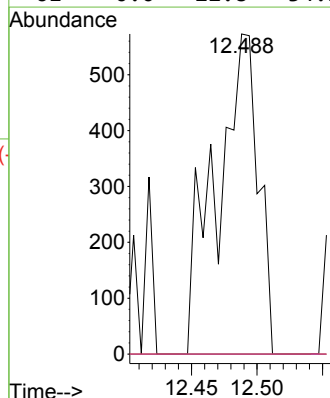
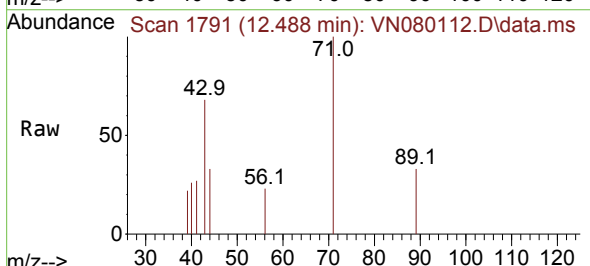
Ion Ratio Lower Upper

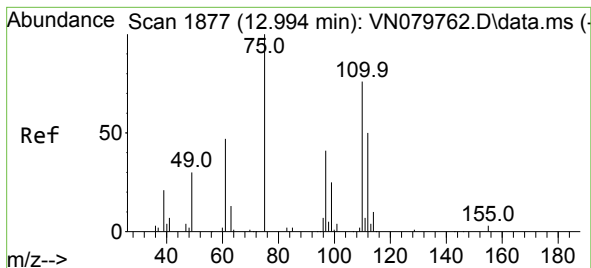
43 100

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: 26.072 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN080112.D

Acq: 15 Nov 2023 15:54

Instrument :

MSVOA_N

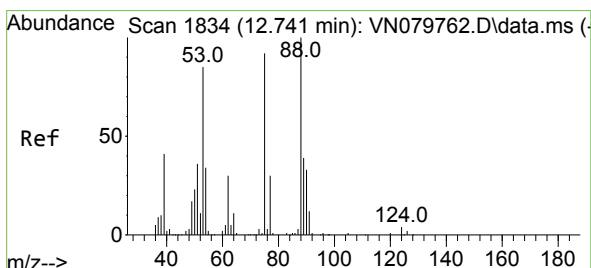
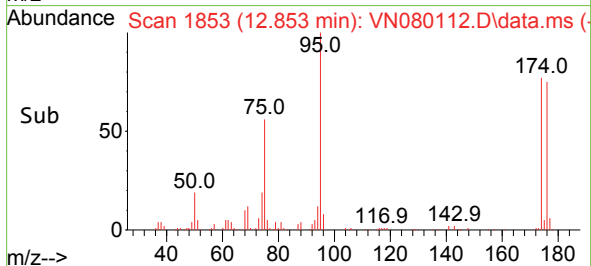
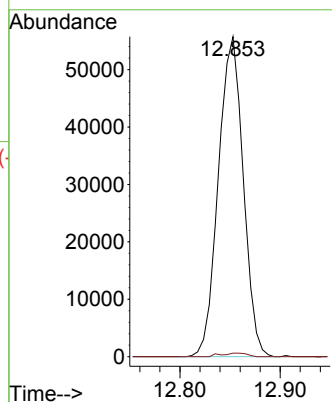
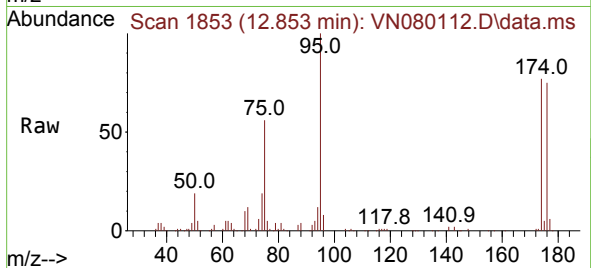
ClientSampleId :

Tgt Ion: 75 Resp: 95783

Ion Ratio Lower Upper

75 100

77 1.2 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 70.937 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.118 min

Lab File: VN080112.D

Acq: 15 Nov 2023 15:54

Tgt Ion: 75 Resp: 95783

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

89 0.0 38.8 58.2#

