

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061523\
 Data File : VN078240.D
 Acq On : 15 Jun 2023 19:58
 Operator : JC\MD
 Sample : 03231-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FSND-MW-EVAL-4S-06122023

Quant Time: Jun 16 06:12:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

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

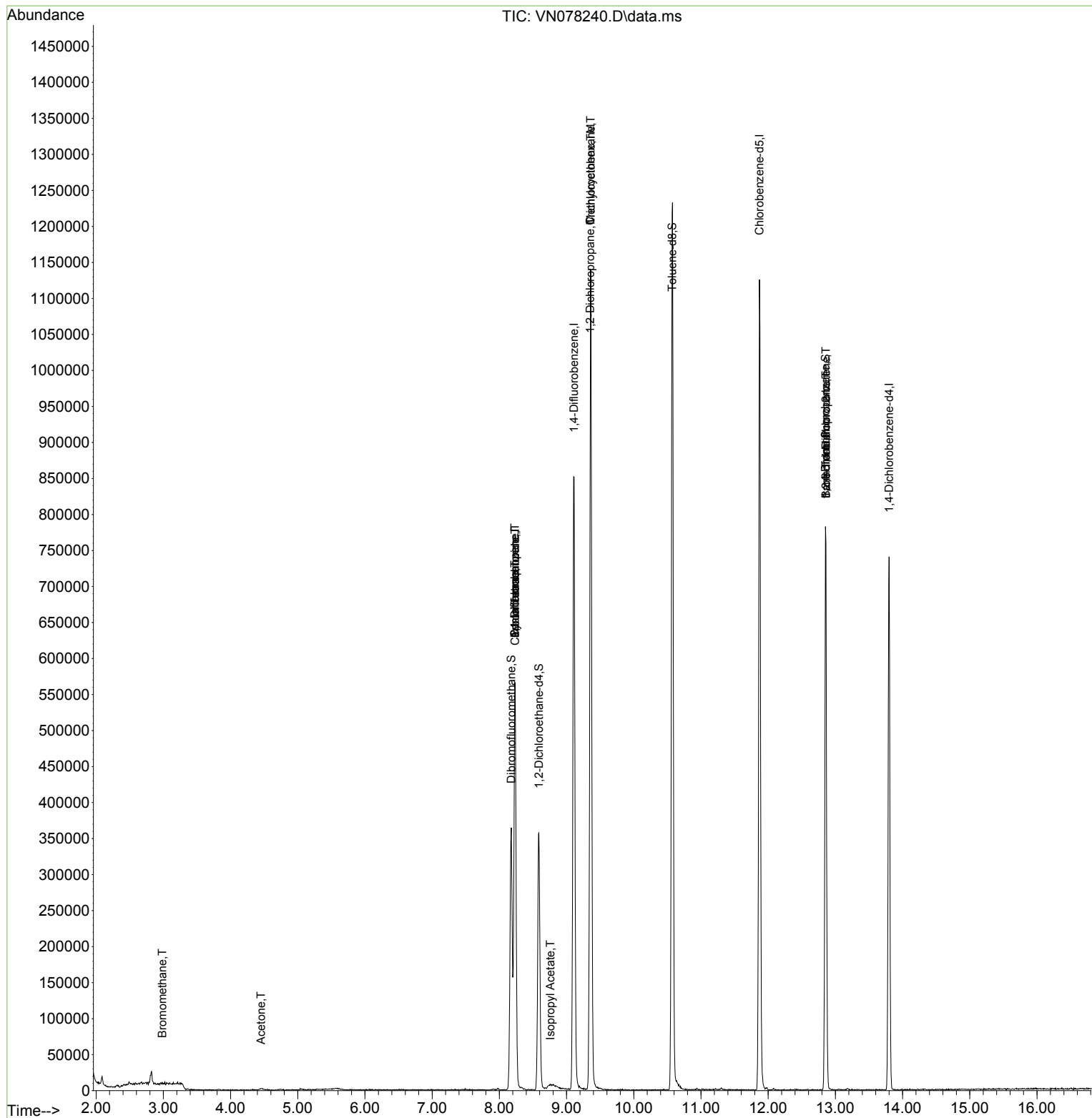
Internal Standards						
1) Pentafluorobenzene	8.230	168	405059	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	759317	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	675792	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	201164	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	296935	54.981	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.960%			
35) Dibromofluoromethane	8.177	113	260274	54.212	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.420%			
50) Toluene-d8	10.571	98	904304	48.859	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.720%			
62) 4-Bromofluorobenzene	12.853	95	269966	46.919	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 93.840%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1068	Below Cal	#	88
5) Bromomethane	2.983	94	1202	0.265	ug/l #	42
16) Acetone	4.453	43	2669	1.717	ug/l	95
31) Cyclohexane	8.230	56	9743	1.406	ug/l #	27
36) 1,1-Dichloropropene	8.230	75	36780	5.341	ug/l #	48
38) Carbon Tetrachloride	8.235	117	44591	6.132	ug/l #	14
39) Methylcyclohexane	9.359	83	5007	0.702	ug/l #	1
43) Isopropyl Acetate	8.759	43	7795	0.758	ug/l #	49
44) Trichloroethene	9.359	130	390377	71.900	ug/l	99
45) 1,2-Dichloropropane	9.353	63	1145	0.224	ug/l #	1
71) Bromoform	12.859	173	2149	0.626	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.847	83	248	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.859	75	151379	31.832	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.859	75	151379	97.797	ug/l #	15

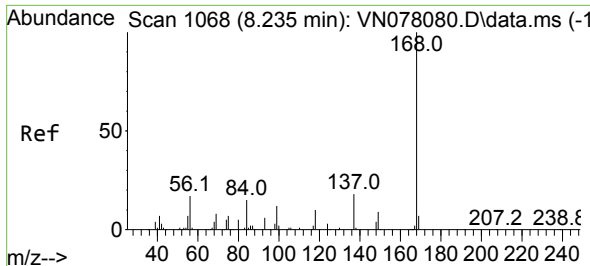
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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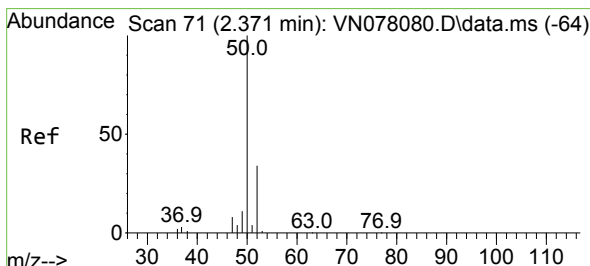
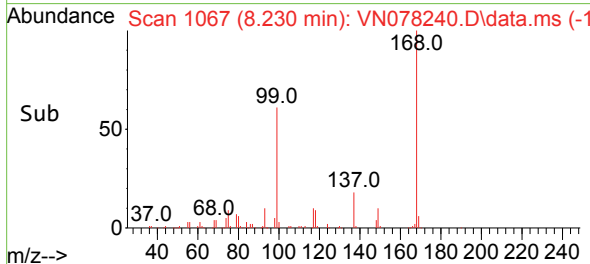
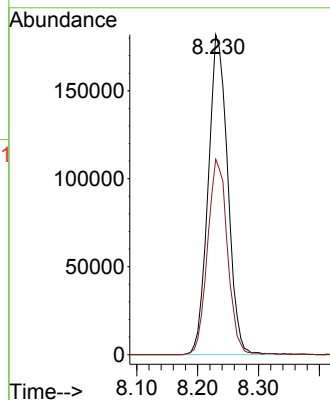
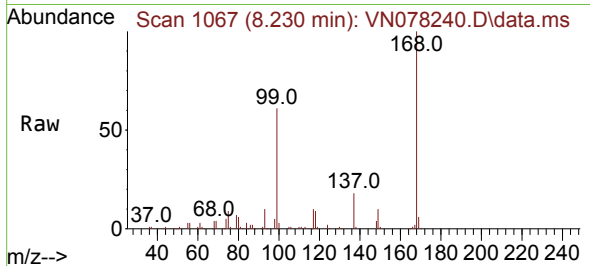




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.005 min
Lab File: VN078240.D
Acq: 15 Jun 2023 19:58

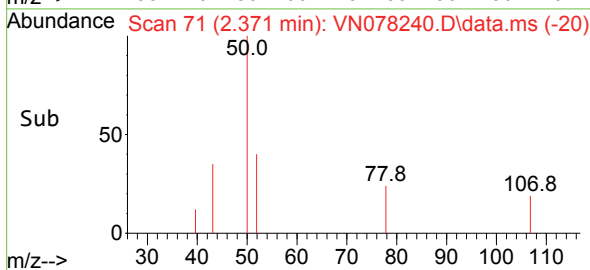
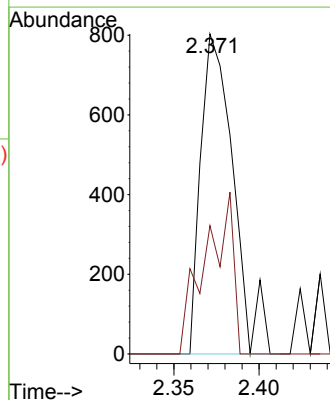
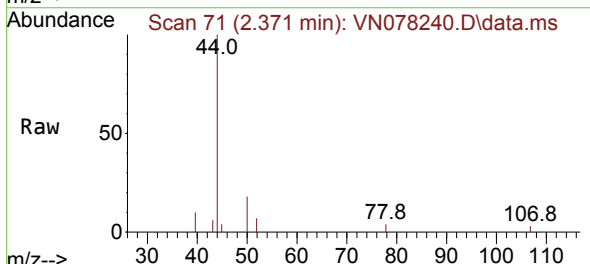
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-EVAL-4S-06122023

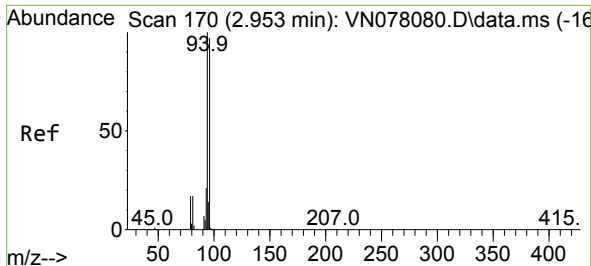
Tgt Ion:168 Resp: 405059
Ion Ratio Lower Upper
168 100
99 61.0 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN078240.D
Acq: 15 Jun 2023 19:58

Tgt Ion: 50 Resp: 1068
Ion Ratio Lower Upper
50 100
52 40.1 26.5 39.7#

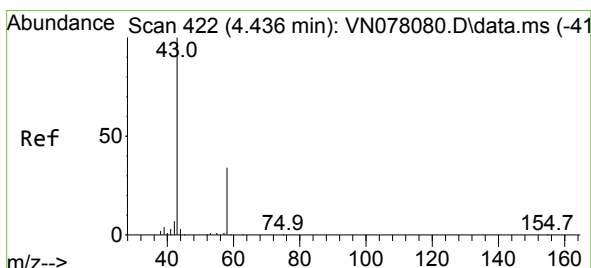
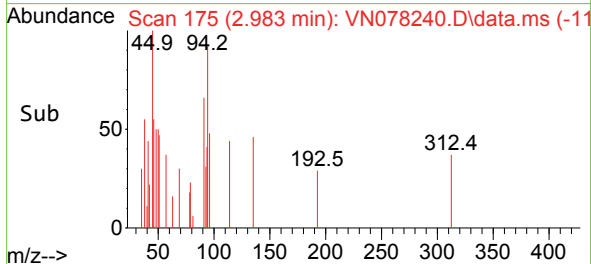
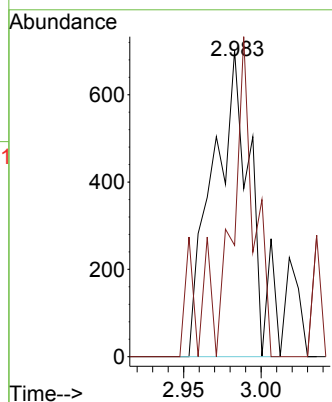
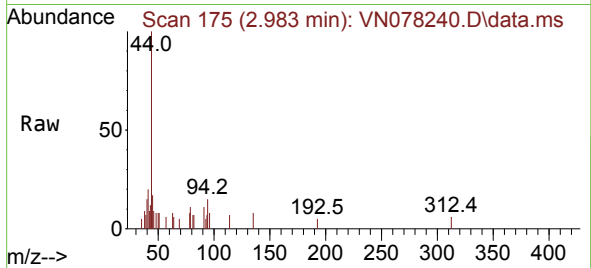




#5
Bromomethane
Concen: 0.265 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN078240.D
Acq: 15 Jun 2023 19:58

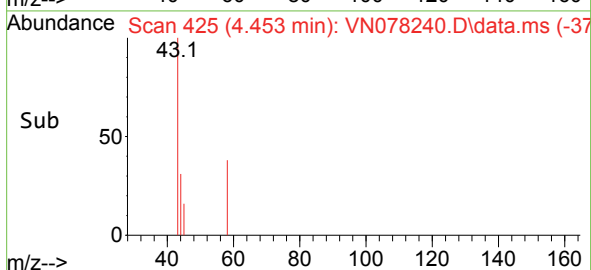
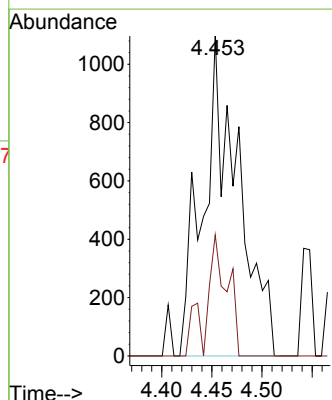
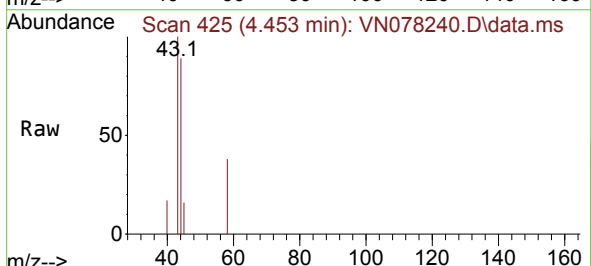
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-EVAL-4S-06122023

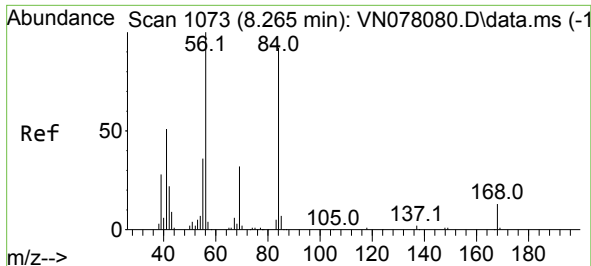
Tgt Ion: 94 Resp: 1202
Ion Ratio Lower Upper
94 100
96 36.3 73.1 109.7#



#16
Acetone
Concen: 1.717 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.018 min
Lab File: VN078240.D
Acq: 15 Jun 2023 19:58

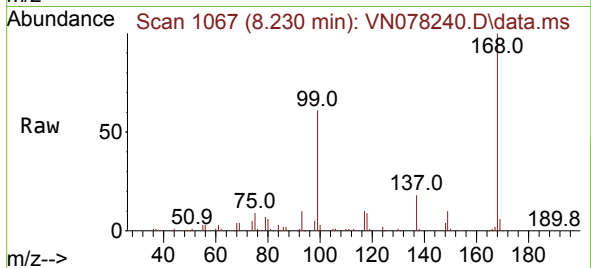
Tgt Ion: 43 Resp: 2669
Ion Ratio Lower Upper
43 100
58 37.8 28.0 42.0



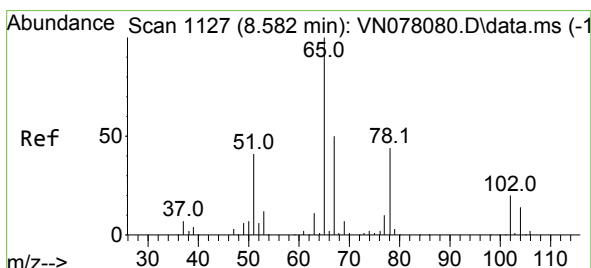
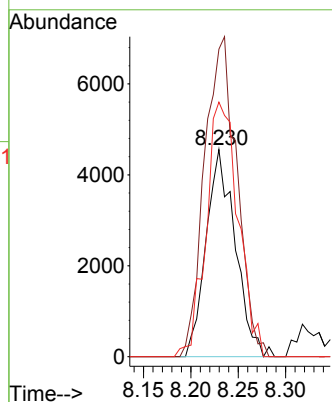
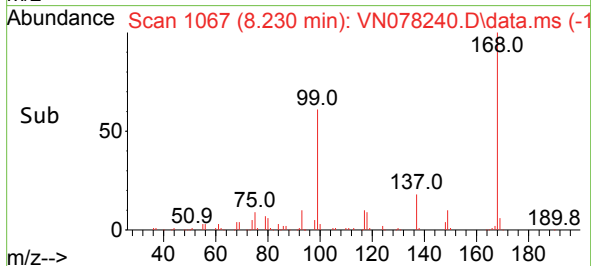


#31
Cyclohexane
Concen: 1.406 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN078240.D
Acq: 15 Jun 2023 19:58

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-EVAL-4S-06122023

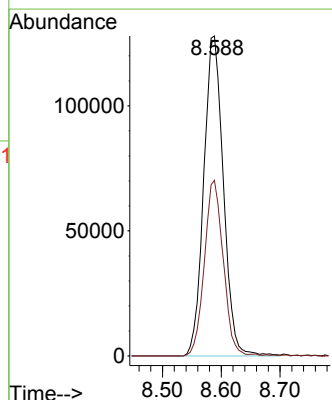
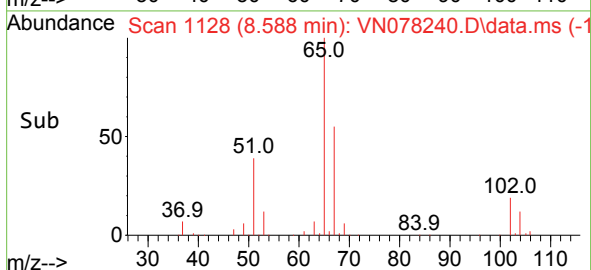
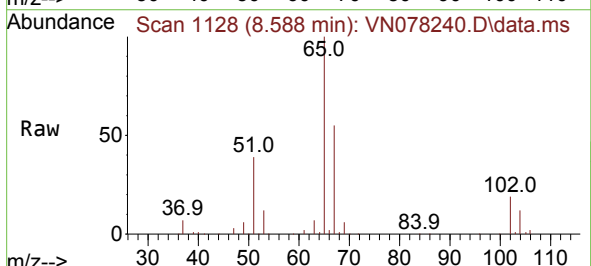


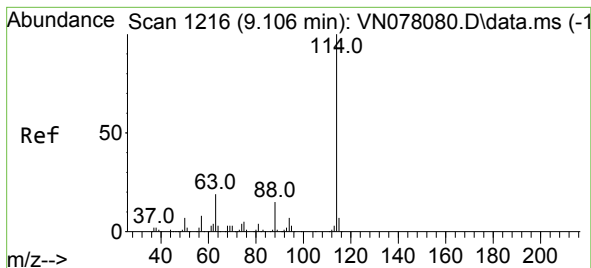
Tgt Ion: 56 Resp: 9743
Ion Ratio Lower Upper
56 100
69 148.4 26.8 40.2#
84 133.3 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 54.981 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN078240.D
Acq: 15 Jun 2023 19:58

Tgt Ion: 65 Resp: 296935
Ion Ratio Lower Upper
65 100
67 52.7 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN078240.D

Acq: 15 Jun 2023 19:58

Instrument :

MSVOA_N

ClientSampleId :

FSND-MW-EVAL-4S-06122023

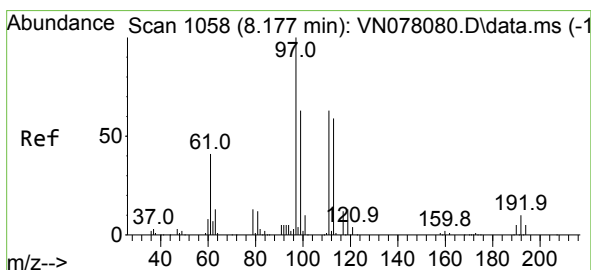
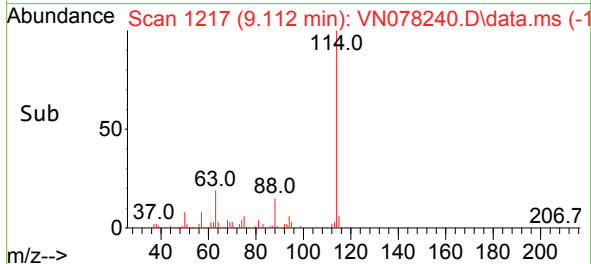
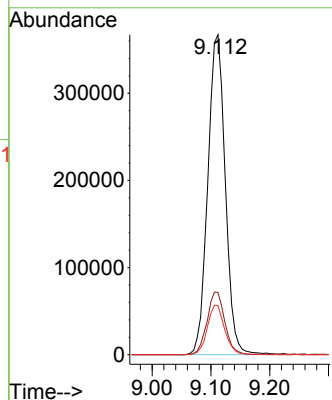
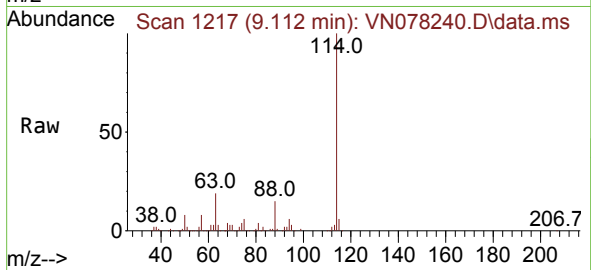
Tgt Ion:114 Resp: 759317

Ion Ratio Lower Upper

114 100

63 19.5 0.0 36.4

88 15.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 54.212 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VN078240.D

Acq: 15 Jun 2023 19:58

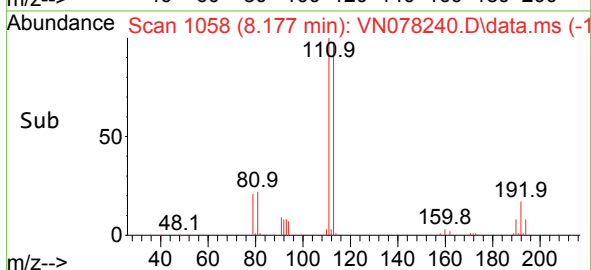
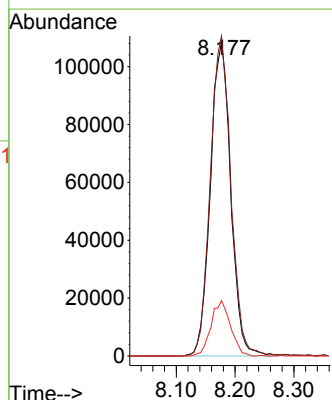
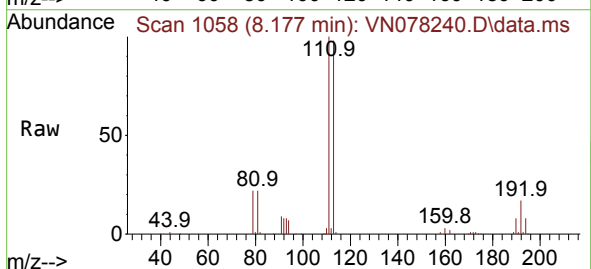
Tgt Ion:113 Resp: 260274

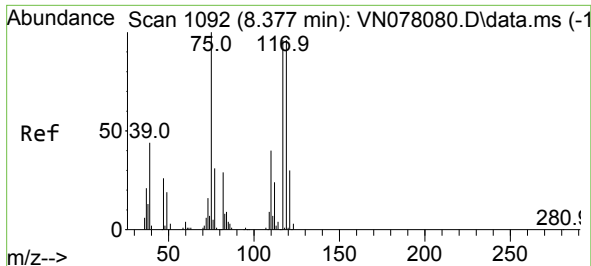
Ion Ratio Lower Upper

113 100

111 103.3 82.6 123.8

192 16.9 12.7 19.1





#36

1,1-Dichloropropene

Concen: 5.341 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN078240.D

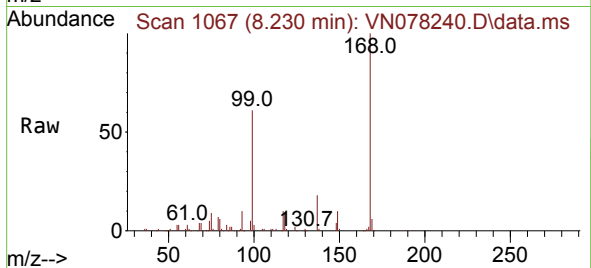
Acq: 15 Jun 2023 19:58

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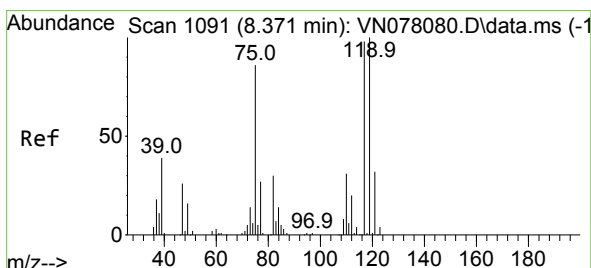
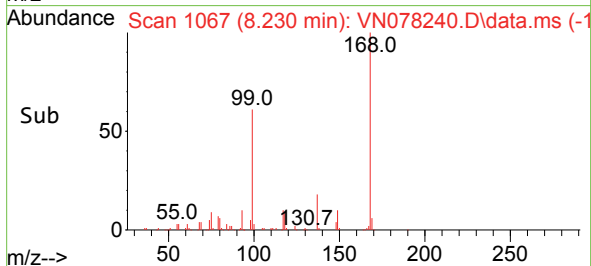
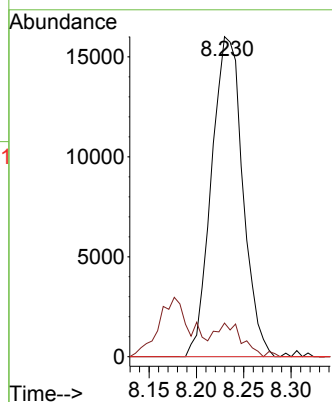
Tgt Ion: 75 Resp: 36780

Ion Ratio Lower Upper

75 100

110 9.0 19.1 57.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.132 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.135 min

Lab File: VN078240.D

Acq: 15 Jun 2023 19:58

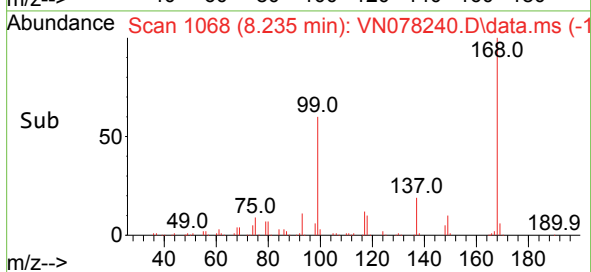
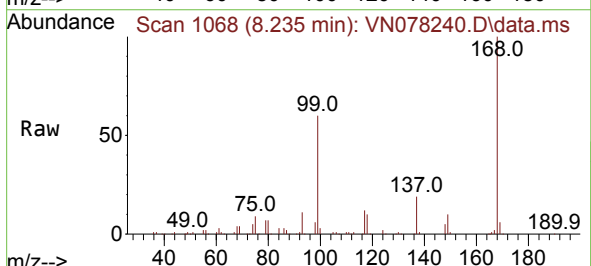
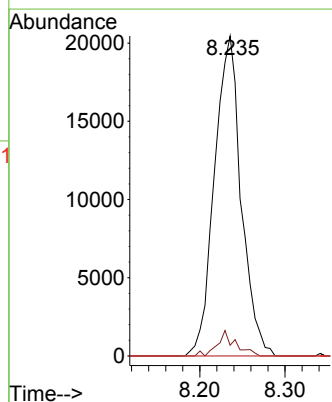
Tgt Ion: 117 Resp: 44591

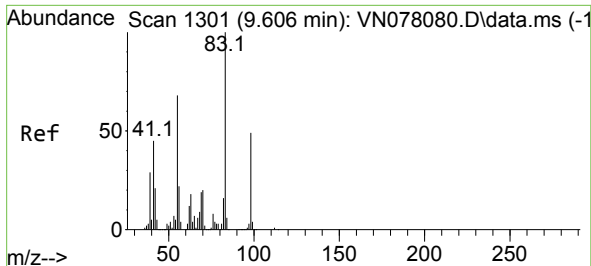
Ion Ratio Lower Upper

117 100

119 3.3 77.3 115.9#

121 0.0 23.3 34.9#





#39

Methylcyclohexane

Concen: 0.702 ug/l

RT: 9.359 min Scan# 1157

Delta R.T. -0.247 min

Lab File: VN078240.D

Acq: 15 Jun 2023 19:58

Instrument :

MSVOA_N

ClientSampleId :

FSND-MW-EVAL-4S-06122023

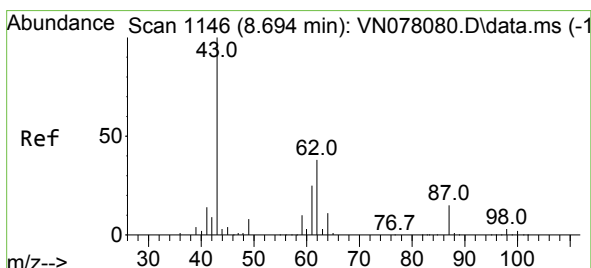
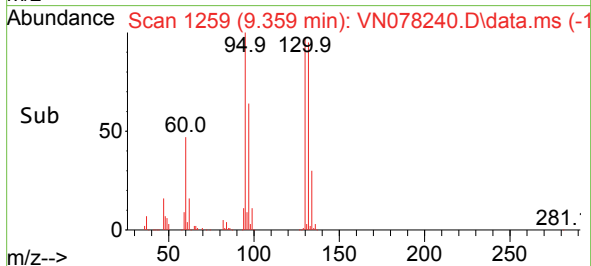
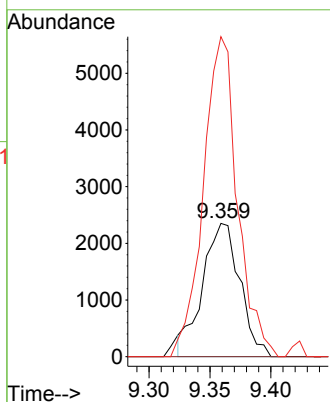
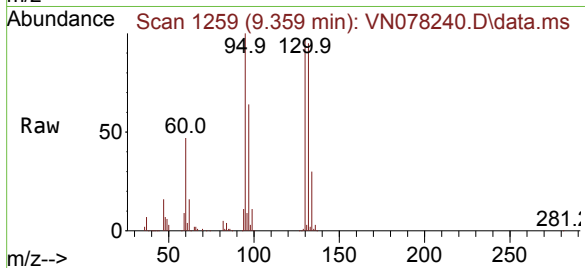
Tgt Ion: 83 Resp: 5007

Ion Ratio Lower Upper

83 100

55 0.0 49.1 73.7#

98 240.1 40.6 61.0#



#43

Isopropyl Acetate

Concen: 0.758 ug/l

RT: 8.759 min Scan# 1157

Delta R.T. 0.065 min

Lab File: VN078240.D

Acq: 15 Jun 2023 19:58

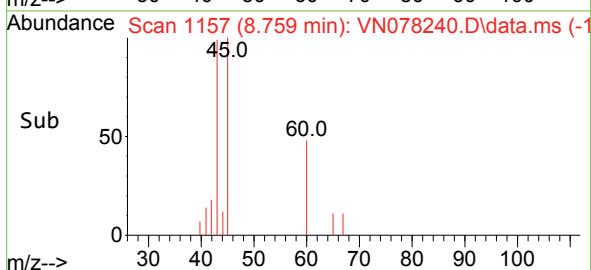
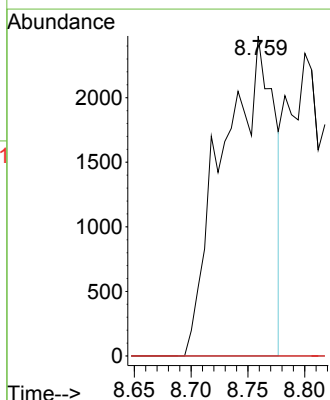
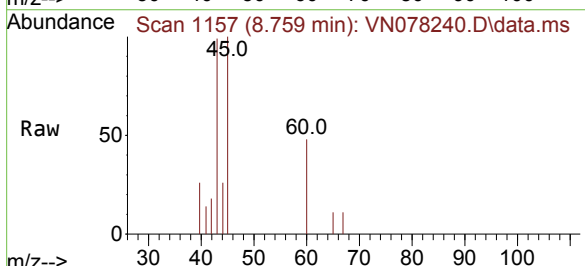
Tgt Ion: 43 Resp: 7795

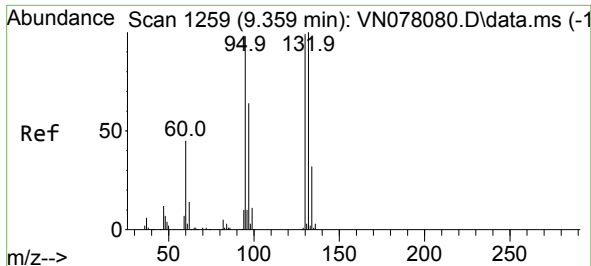
Ion Ratio Lower Upper

43 100

61 0.0 24.7 37.1#

87 0.0 14.6 21.8#

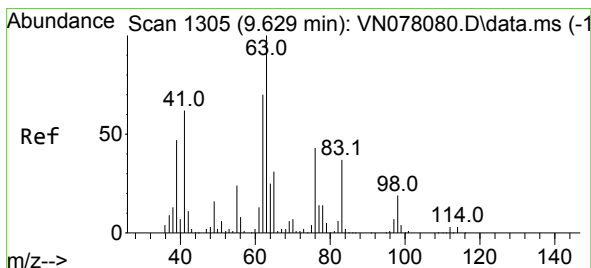
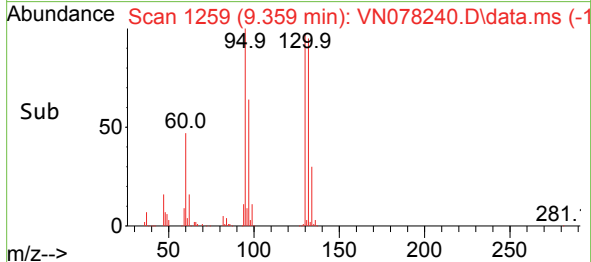
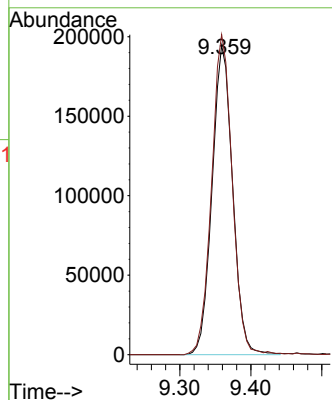
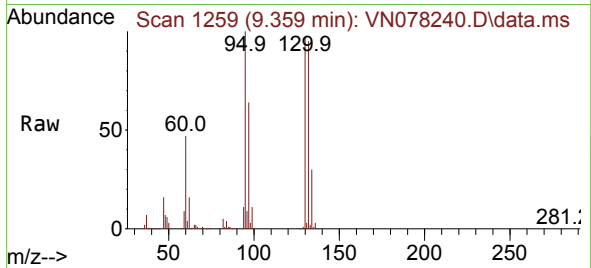




#44
Trichloroethene
Concen: 71.900 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. 0.000 min
Lab File: VN078240.D
Acq: 15 Jun 2023 19:58

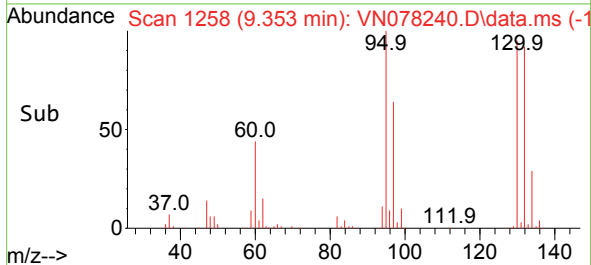
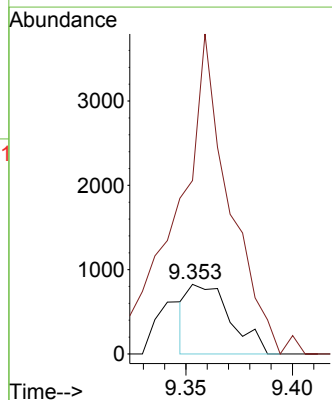
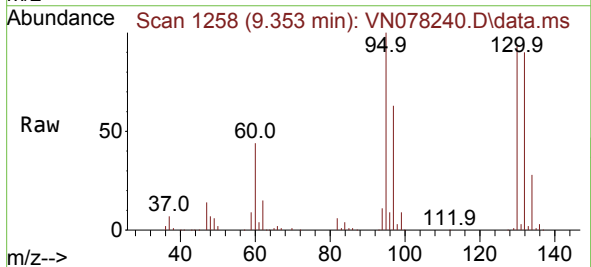
Instrument :
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FSND-MW-EVAL-4S-06122023

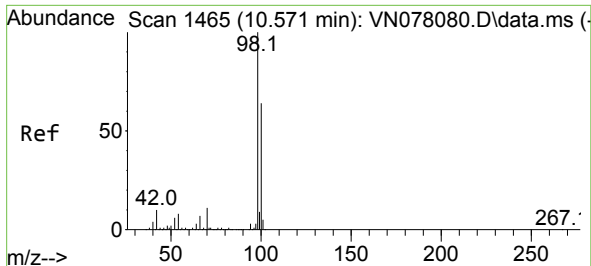
Tgt Ion:130 Resp: 390377
Ion Ratio Lower Upper
130 100
95 103.4 0.0 204.6



#45
1,2-Dichloropropane
Concen: 0.224 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. -0.276 min
Lab File: VN078240.D
Acq: 15 Jun 2023 19:58

Tgt Ion: 63 Resp: 1145
Ion Ratio Lower Upper
63 100
65 249.0 23.9 35.9#

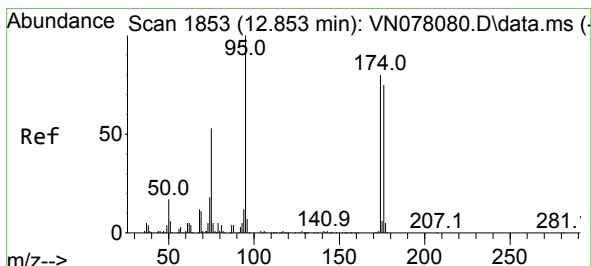
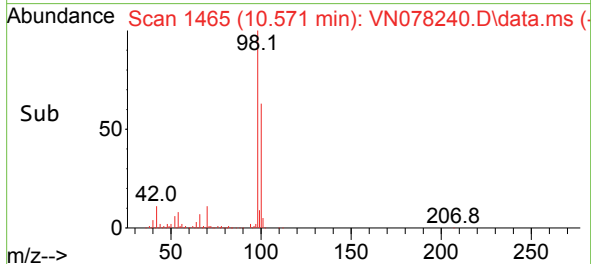
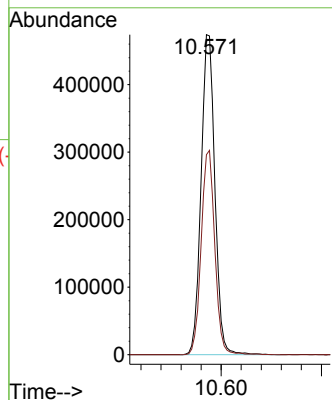
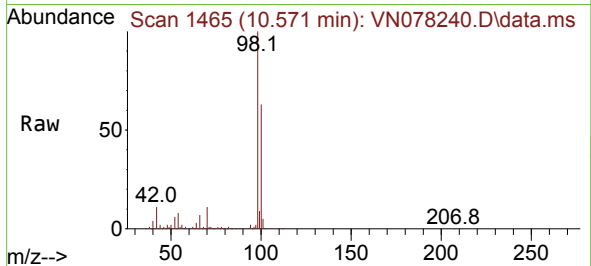




#50
Toluene-d8
Concen: 48.859 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN078240.D
Acq: 15 Jun 2023 19:58

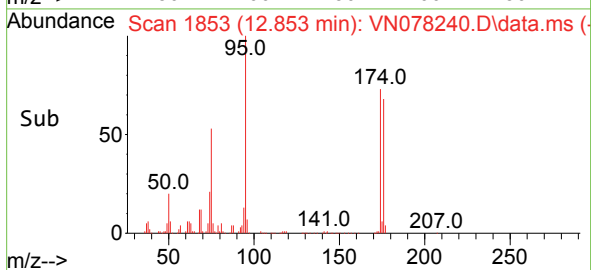
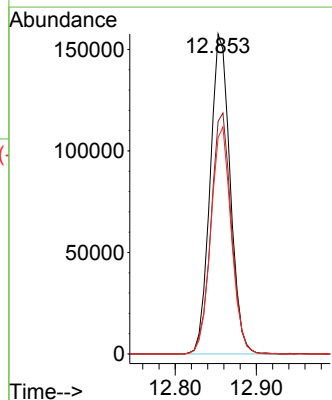
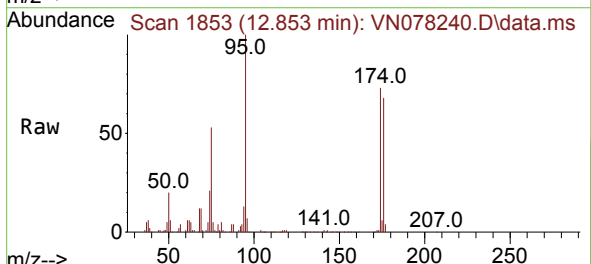
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-EVAL-4S-06122023

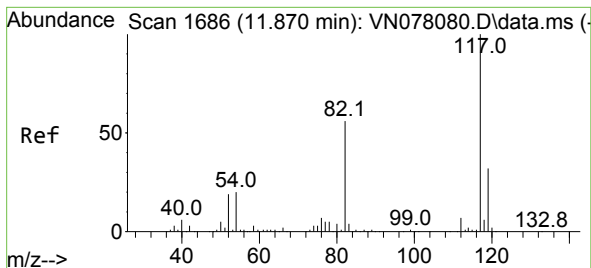
Tgt Ion: 98 Resp: 904304
Ion Ratio Lower Upper
98 100
100 63.2 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 46.919 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078240.D
Acq: 15 Jun 2023 19:58

Tgt Ion: 95 Resp: 269966
Ion Ratio Lower Upper
95 100
174 76.9 0.0 143.8
176 72.4 0.0 135.8

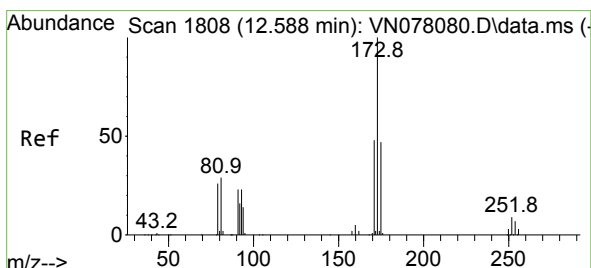
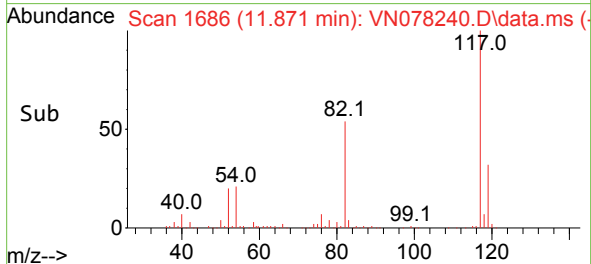
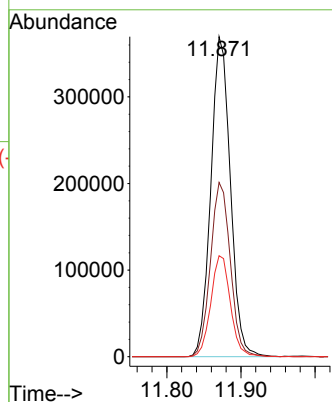
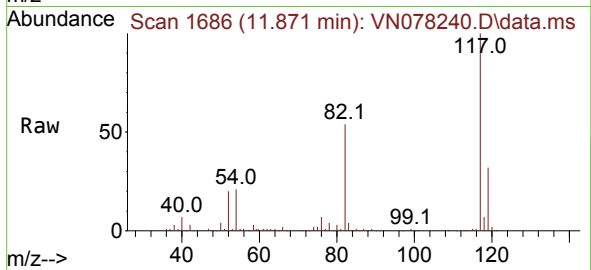




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN078240.D
Acq: 15 Jun 2023 19:58

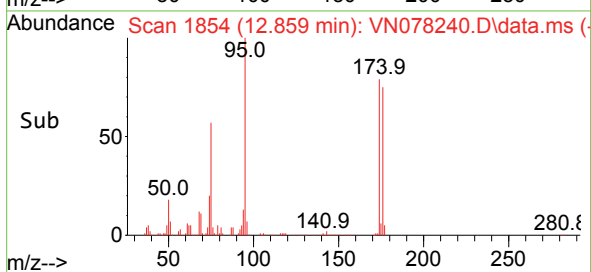
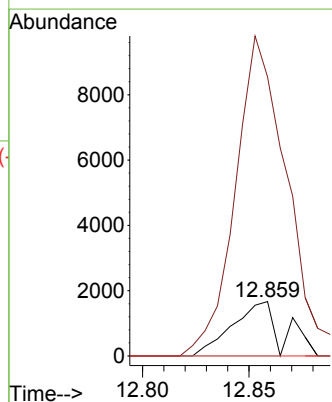
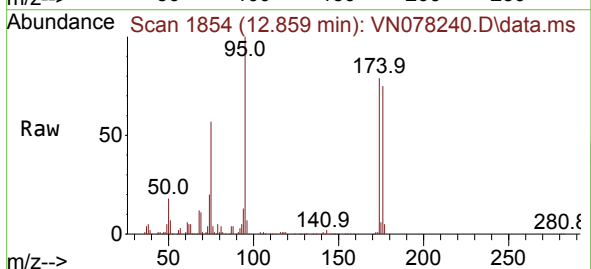
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-EVAL-4S-06122023

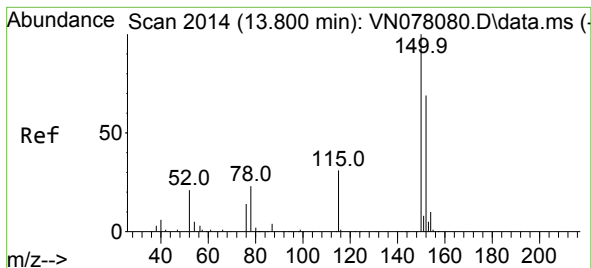
Tgt Ion:117 Resp: 675792
Ion Ratio Lower Upper
117 100
82 54.5 44.0 66.0
119 31.5 25.6 38.4



#71
Bromoform
Concen: 0.626 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.271 min
Lab File: VN078240.D
Acq: 15 Jun 2023 19:58

Tgt Ion:173 Resp: 2149
Ion Ratio Lower Upper
173 100
175 626.9 24.3 73.0#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. 0.000 min

Lab File: VN078240.D

Acq: 15 Jun 2023 19:58

Instrument :

MSVOA_N

ClientSampleId :

FSND-MW-EVAL-4S-06122023

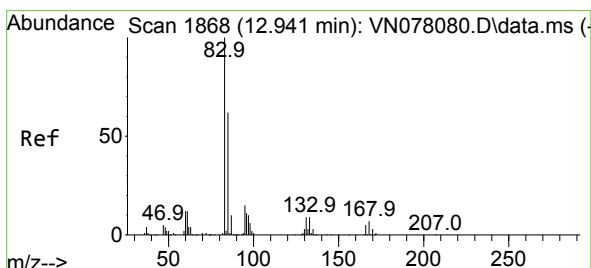
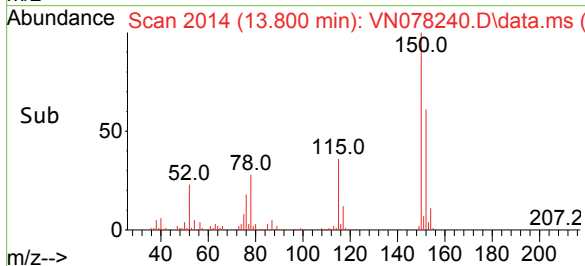
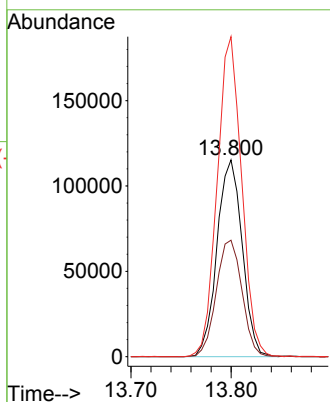
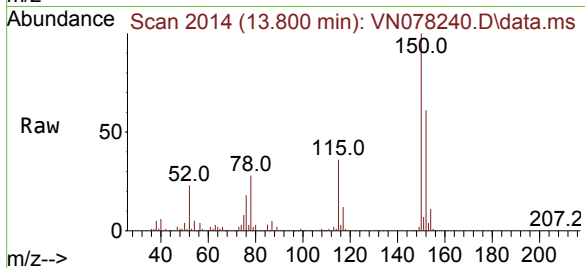
Tgt Ion:152 Resp: 201164

Ion Ratio Lower Upper

152 100

115 60.5 32.3 96.8

150 157.6 0.0 355.8



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.847 min Scan# 1852

Delta R.T. -0.094 min

Lab File: VN078240.D

Acq: 15 Jun 2023 19:58

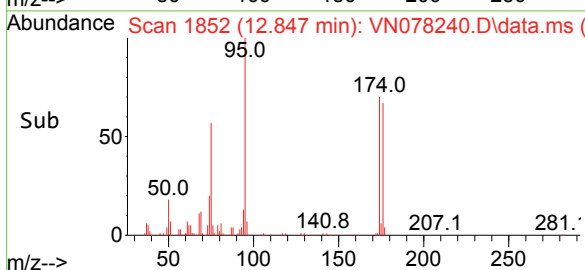
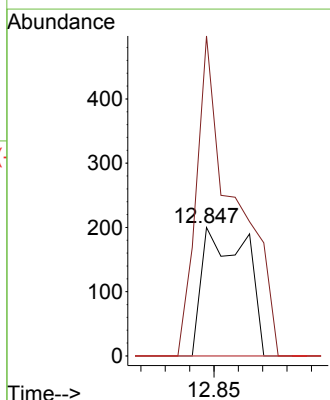
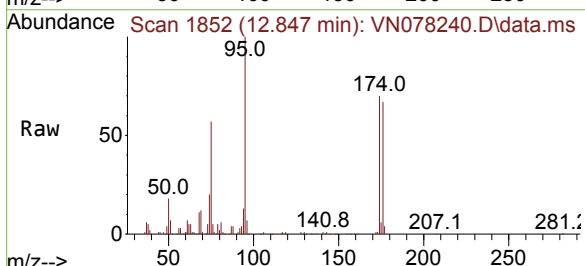
Tgt Ion: 83 Resp: 248

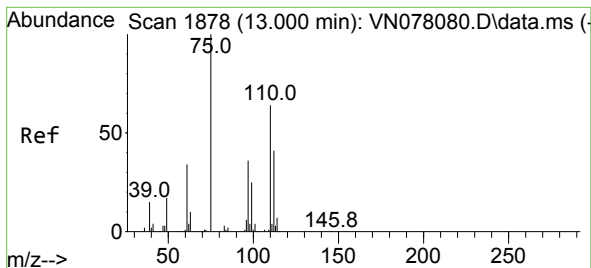
Ion Ratio Lower Upper

83 100

131 220.6 5.0 15.0#

85 0.0 31.9 95.7#





#76

1,2,3-Trichloropropane

Concen: 31.832 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. -0.141 min

Lab File: VN078240.D

Acq: 15 Jun 2023 19:58

Instrument :

MSVOA_N

ClientSampleId :

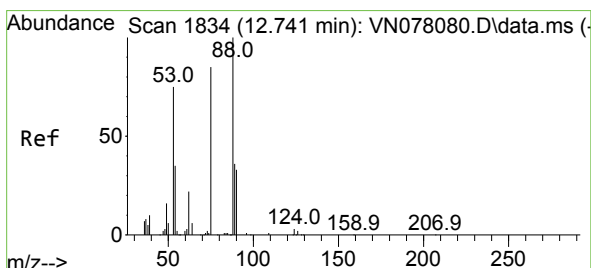
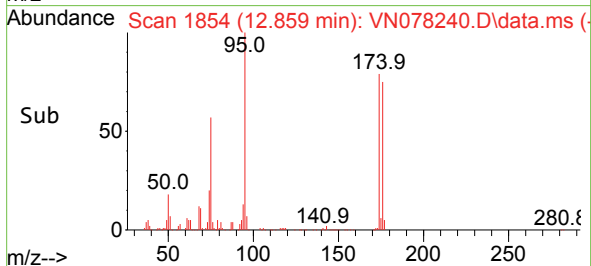
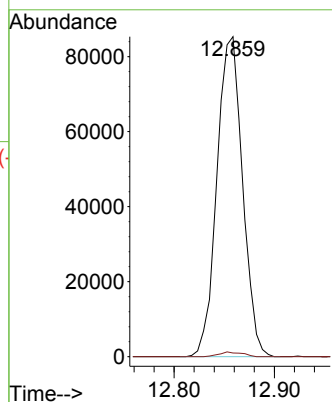
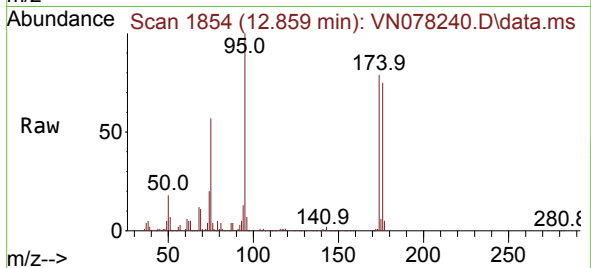
FSND-MW-EVAL-4S-06122023

Tgt Ion: 75 Resp: 151379

Ion Ratio Lower Upper

75 100

77 1.3 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 97.797 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. 0.118 min

Lab File: VN078240.D

Acq: 15 Jun 2023 19:58

Tgt Ion: 75 Resp: 151379

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

89 0.0 38.8 58.2#

