

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061523\
 Data File : VN078242.D
 Acq On : 15 Jun 2023 20:46
 Operator : JC\MD
 Sample : 03231-11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FSND-MW-EVAL-3D-06122023

Quant Time: Jun 16 06:13:10 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)

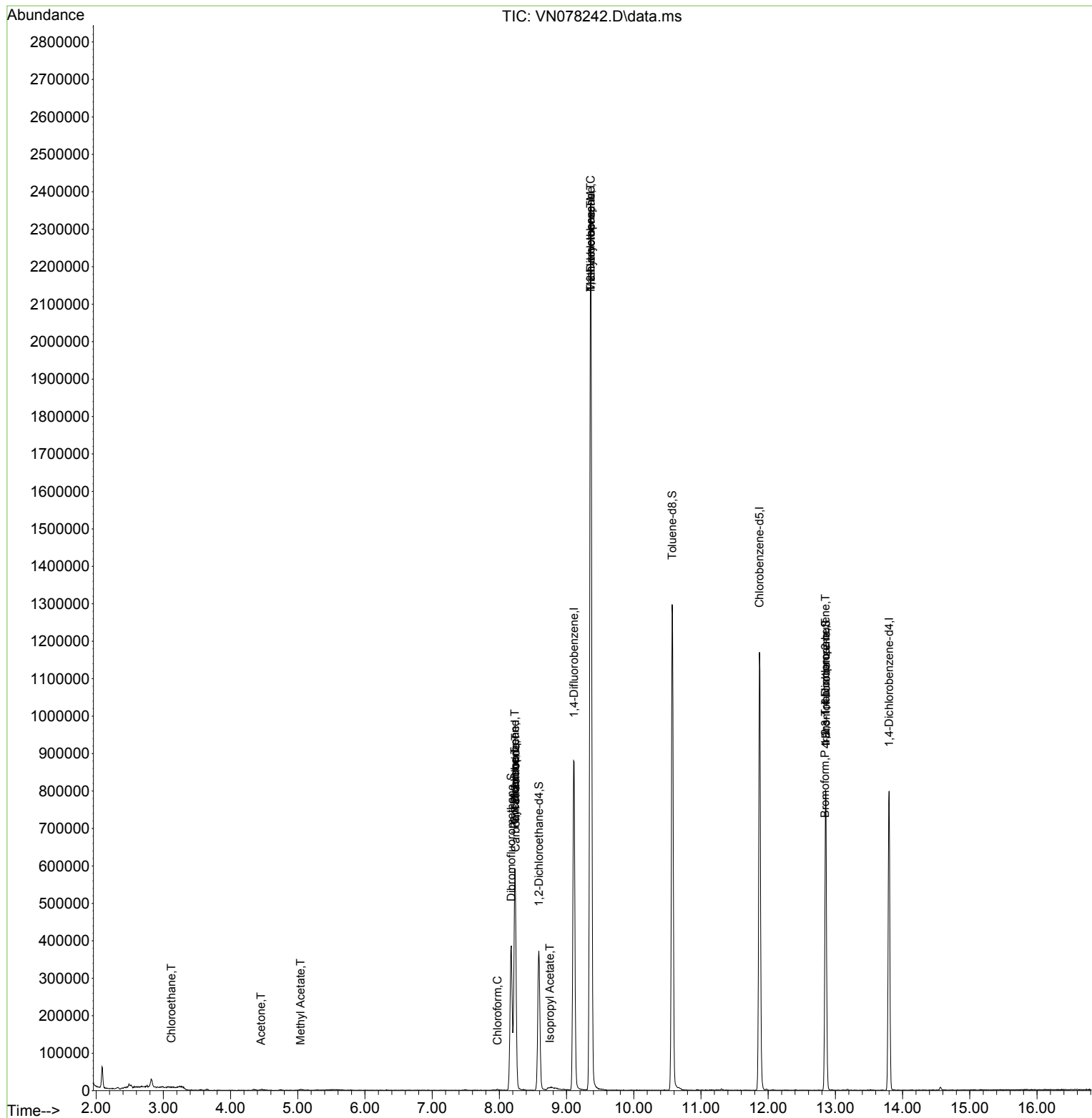
Internal Standards						
1) Pentafluorobenzene	8.235	168	421490	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	792751	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	699138	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	222807	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	308898	54.967	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.940%			
35) Dibromofluoromethane	8.177	113	272708	54.406	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.820%			
50) Toluene-d8	10.571	98	941100	48.702	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.400%			
62) 4-Bromofluorobenzene	12.859	95	276861	46.088	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 92.180%			
Target Compounds						Qvalue
3) Chloromethane	2.377	50	853	Below Cal		97
6) Chloroethane	3.118	64	1409	0.331 ug/l #		43
16) Acetone	4.453	43	2981	1.843 ug/l #		71
18) Methyl Acetate	5.042	43	2624	0.352 ug/l #		86
30) Chloroform	7.971	83	2400	0.256 ug/l #		69
31) Cyclohexane	8.230	56	10864	1.507 ug/l #		46
36) 1,1-Dichloropropene	8.230	75	36672	5.101 ug/l #		48
38) Carbon Tetrachloride	8.241	117	48279	6.359 ug/l #		15
39) Methylcyclohexane	9.359	83	11201	1.503 ug/l #		1
43) Isopropyl Acetate	8.753	43	7135	0.664 ug/l #		49
44) Trichloroethene	9.359	130	846026	149.249 ug/l		100
45) 1,2-Dichloropropane	9.359	63	2367	0.443 ug/l #		1
71) Bromoform	12.847	173	2739	0.771 ug/l #		1
75) 1,1,2,2-Tetrachloroethane	12.870	83	192	Below Cal #		26
76) 1,2,3-Trichloropropane	12.853	75	153557	29.153 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.853	75	153557	89.568 ug/l #		15

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.235 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN078242.D

Acq: 15 Jun 2023 20:46

Instrument :

MSVOA_N

ClientSampleId :

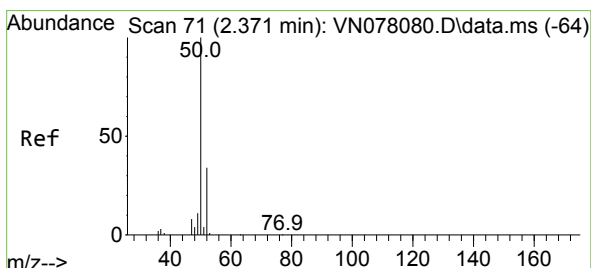
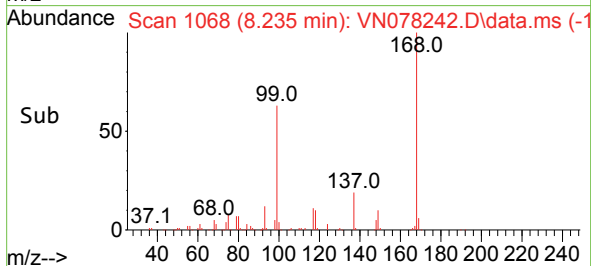
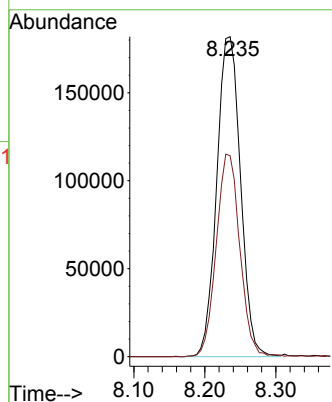
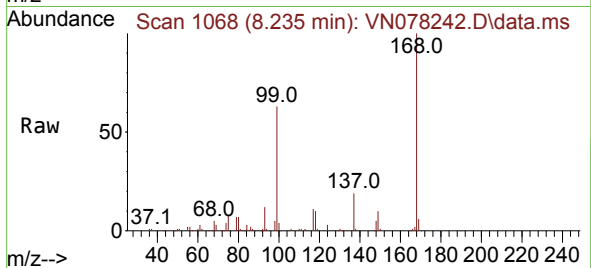
FSND-MW-EVAL-3D-06122023

Tgt Ion:168 Resp: 421490

Ion Ratio Lower Upper

168 100

99 62.8 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.377 min Scan# 72

Delta R.T. 0.006 min

Lab File: VN078242.D

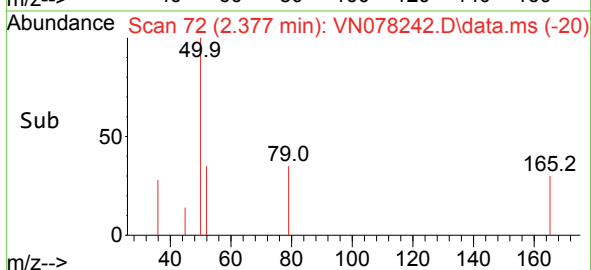
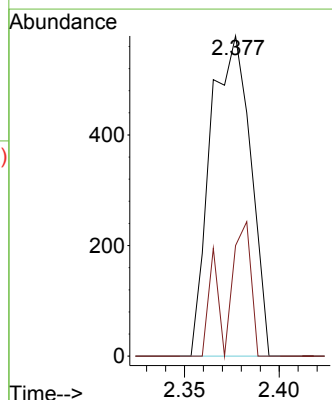
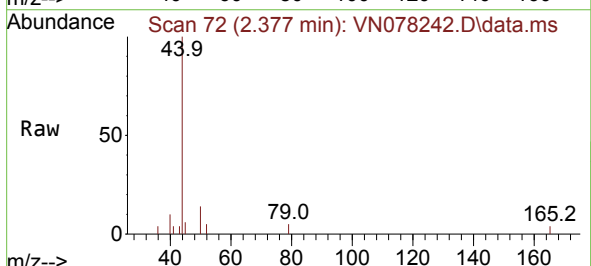
Acq: 15 Jun 2023 20:46

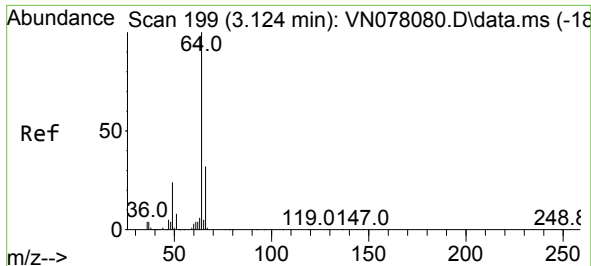
Tgt Ion: 50 Resp: 853

Ion Ratio Lower Upper

50 100

52 34.5 26.5 39.7

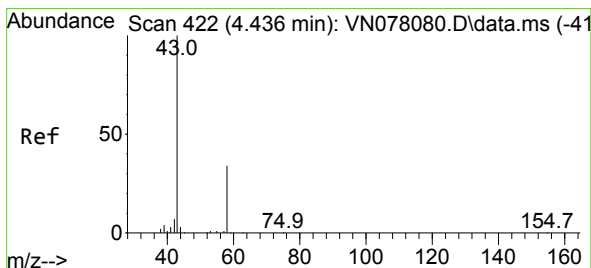
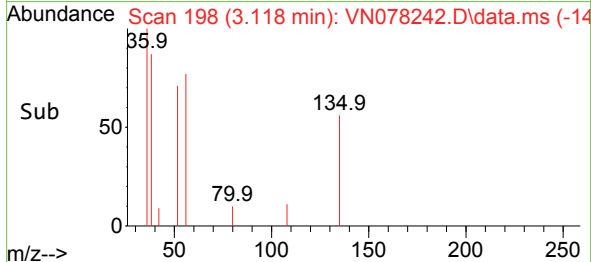
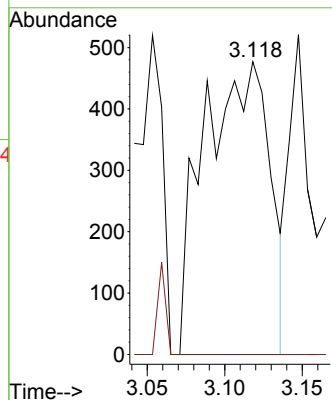
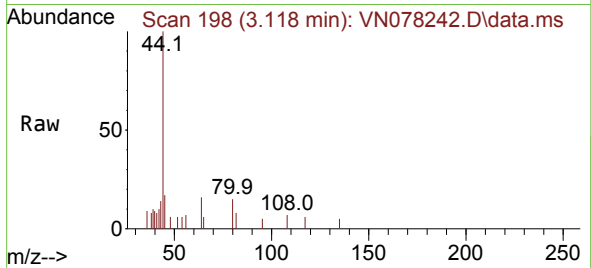




#6
Chloroethane
Concen: 0.331 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.006 min
Lab File: VN078242.D
Acq: 15 Jun 2023 20:46

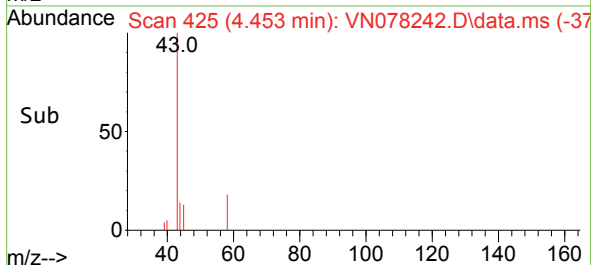
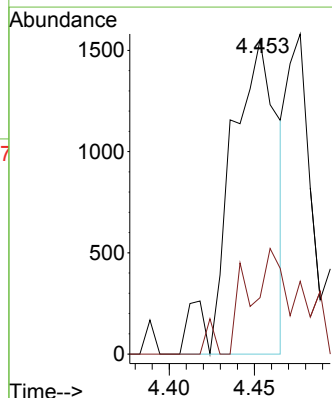
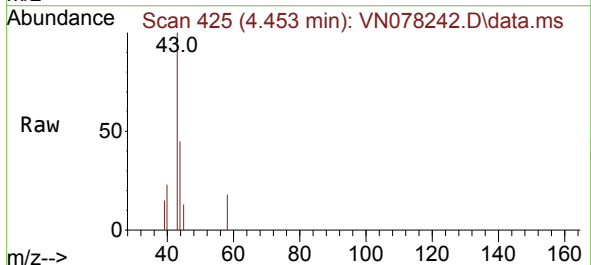
Instrument :
MSVOA_N
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FSND-MW-EVAL-3D-06122023

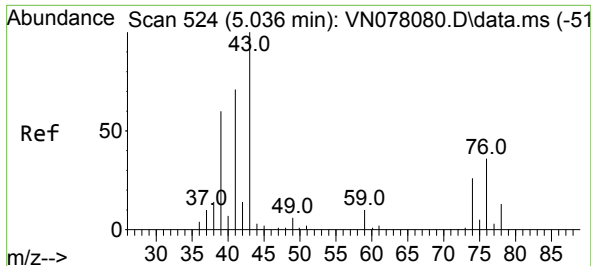
Tgt Ion: 64 Resp: 1409
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#16
Acetone
Concen: 1.843 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.018 min
Lab File: VN078242.D
Acq: 15 Jun 2023 20:46

Tgt Ion: 43 Resp: 2981
Ion Ratio Lower Upper
43 100
58 18.0 28.0 42.0#

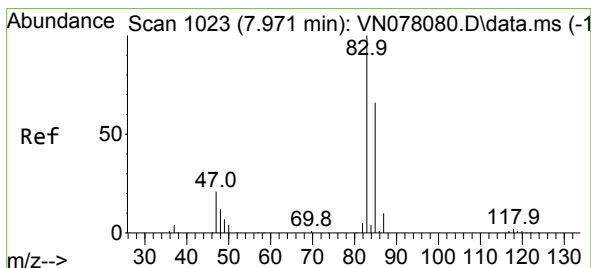
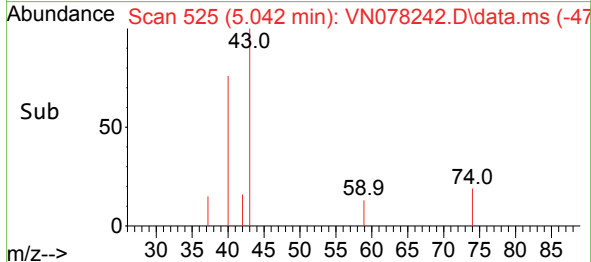
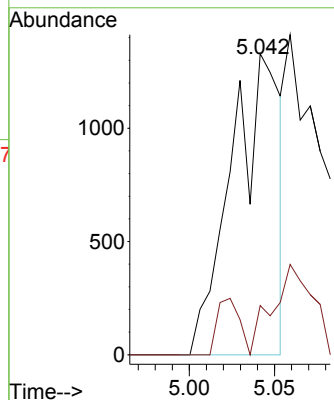
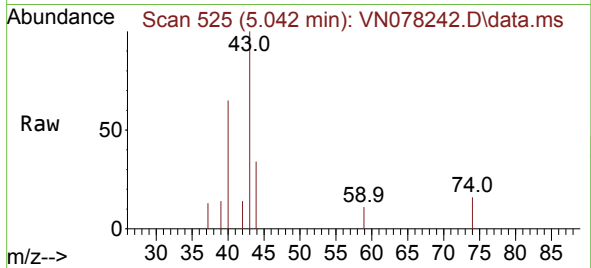




#18
Methyl Acetate
Concen: 0.352 ug/l
RT: 5.042 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN078242.D
Acq: 15 Jun 2023 20:46

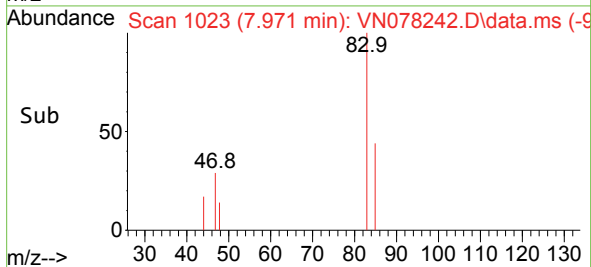
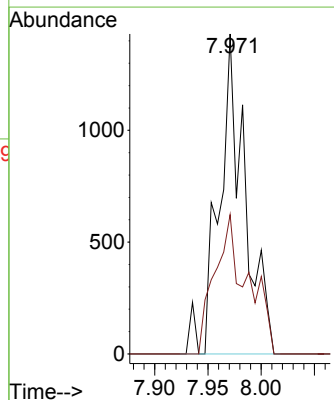
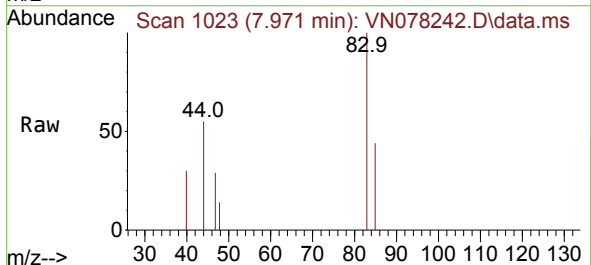
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-EVAL-3D-06122023

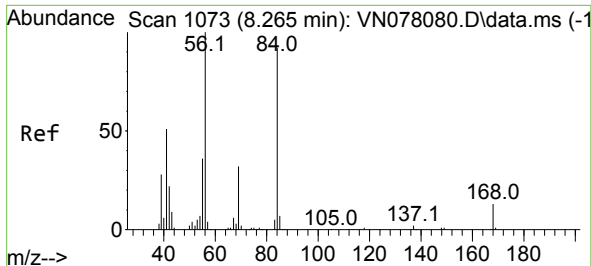
Tgt Ion: 43 Resp: 2624
Ion Ratio Lower Upper
43 100
74 24.7 26.2 39.4#



#30
Chloroform
Concen: 0.256 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.000 min
Lab File: VN078242.D
Acq: 15 Jun 2023 20:46

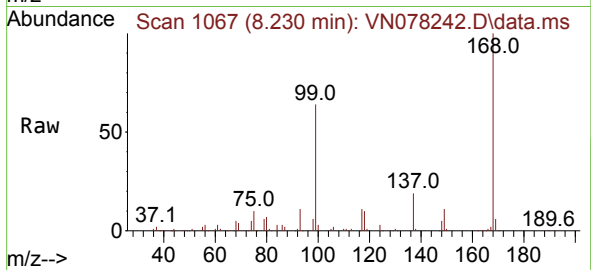
Tgt Ion: 83 Resp: 2400
Ion Ratio Lower Upper
83 100
85 43.5 55.4 83.0#



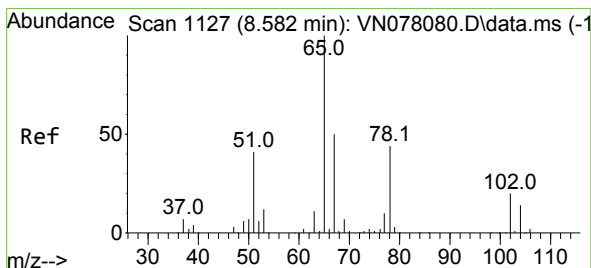
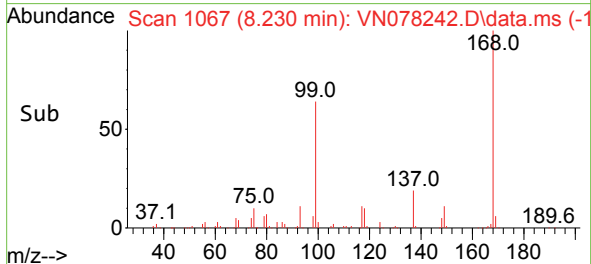
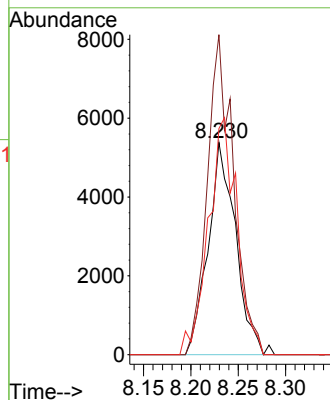


#31
Cyclohexane
Concen: 1.507 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN078242.D
Acq: 15 Jun 2023 20:46

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-EVAL-3D-06122023

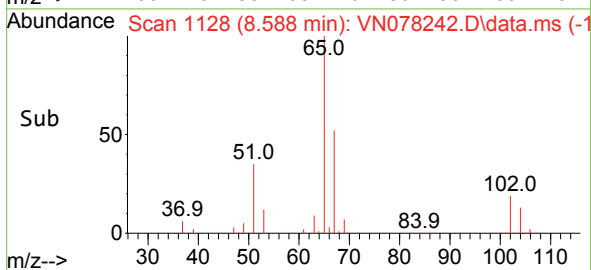
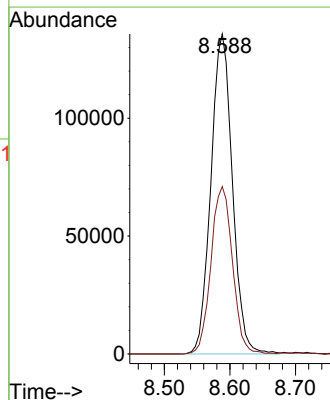
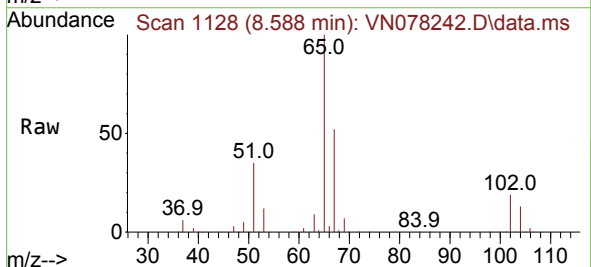


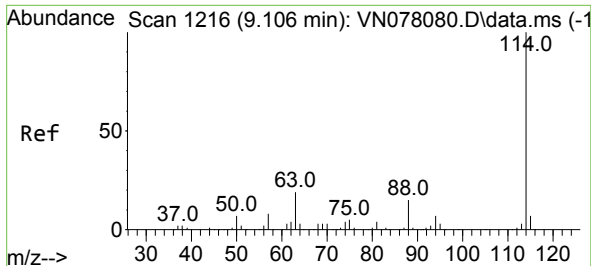
Tgt Ion: 56 Resp: 10864
Ion Ratio Lower Upper
56 100
69 150.7 26.8 40.2#
84 106.5 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 54.967 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN078242.D
Acq: 15 Jun 2023 20:46

Tgt Ion: 65 Resp: 308898
Ion Ratio Lower Upper
65 100
67 52.3 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: VN078242.D

Acq: 15 Jun 2023 20:46

Instrument :

MSVOA_N

ClientSampleId :

FSND-MW-EVAL-3D-06122023

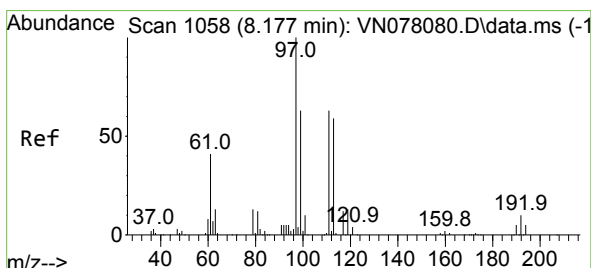
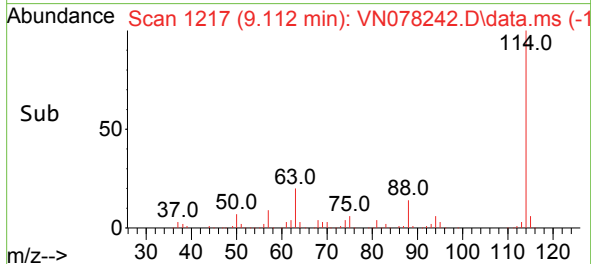
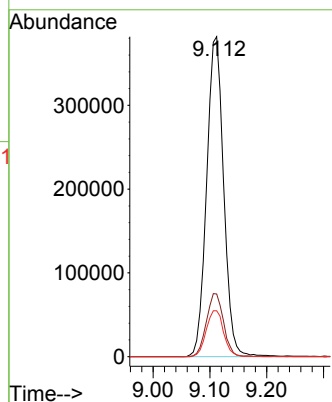
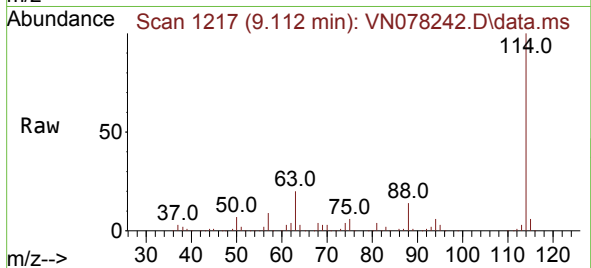
Tgt Ion:114 Resp: 792751

Ion Ratio Lower Upper

114 100

63 19.6 0.0 36.4

88 14.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 54.406 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VN078242.D

Acq: 15 Jun 2023 20:46

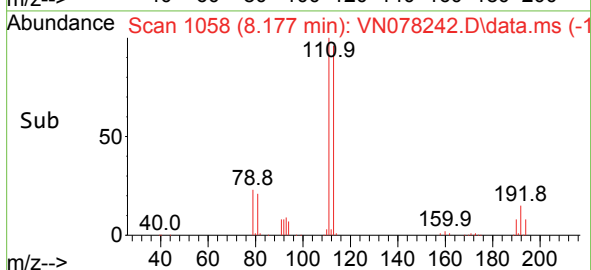
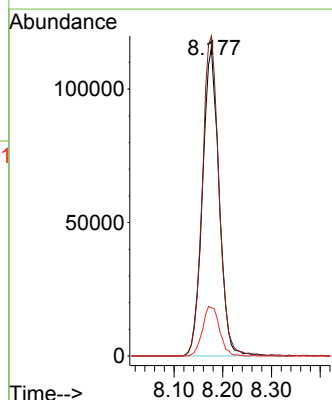
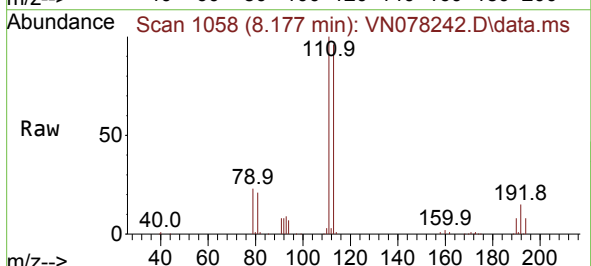
Tgt Ion:113 Resp: 272708

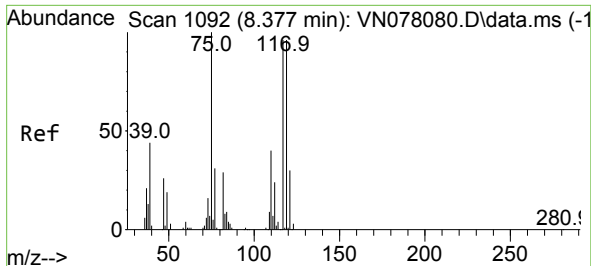
Ion Ratio Lower Upper

113 100

111 103.9 82.6 123.8

192 16.5 12.7 19.1





#36

1,1-Dichloropropene

Concen: 5.101 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN078242.D

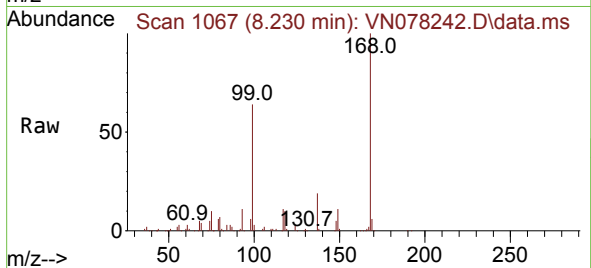
Acq: 15 Jun 2023 20:46

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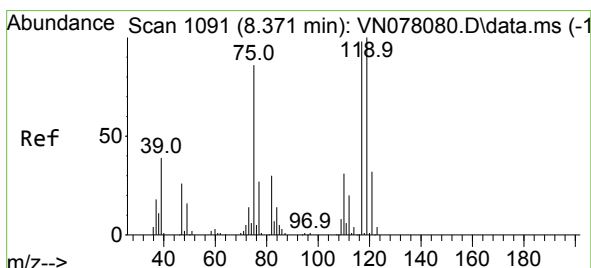
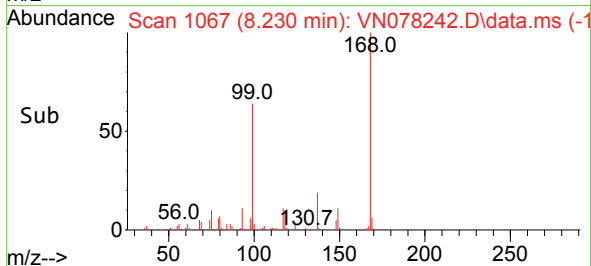
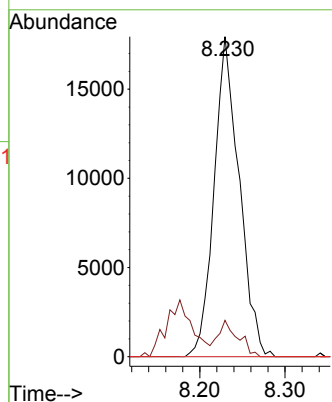
Tgt Ion: 75 Resp: 36672

Ion Ratio Lower Upper

75 100

110 9.1 19.1 57.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.359 ug/l

RT: 8.241 min Scan# 1069

Delta R.T. -0.129 min

Lab File: VN078242.D

Acq: 15 Jun 2023 20:46

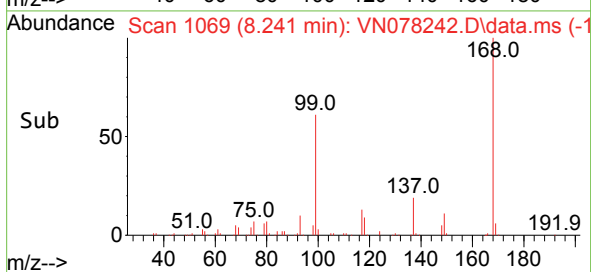
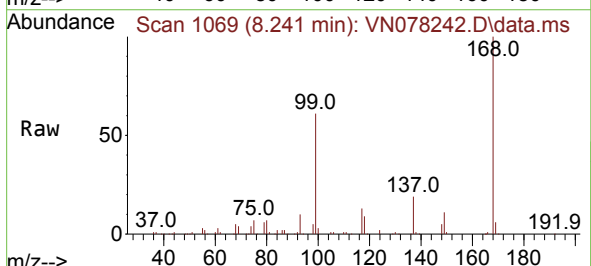
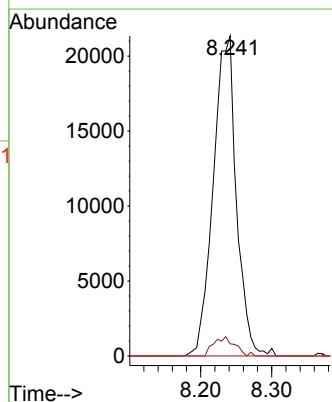
Tgt Ion: 117 Resp: 48279

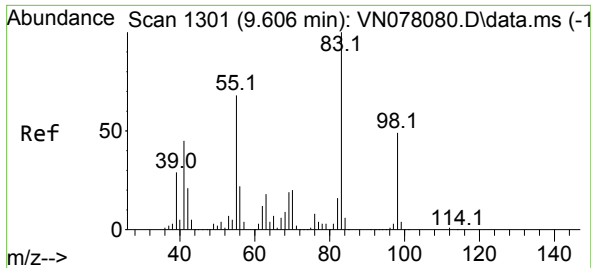
Ion Ratio Lower Upper

117 100

119 3.8 77.3 115.9#

121 0.0 23.3 34.9#

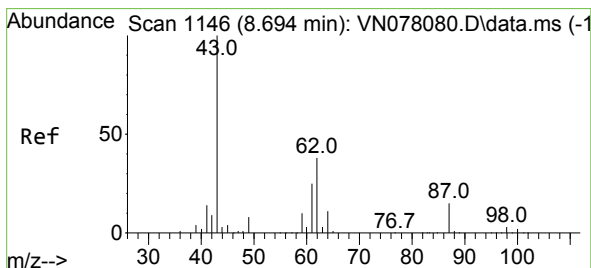
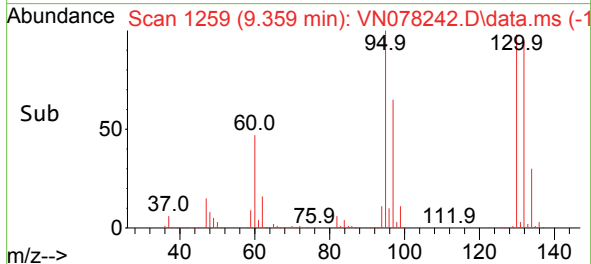
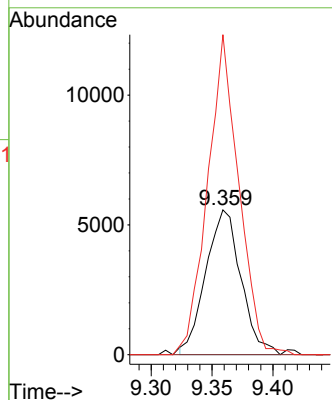
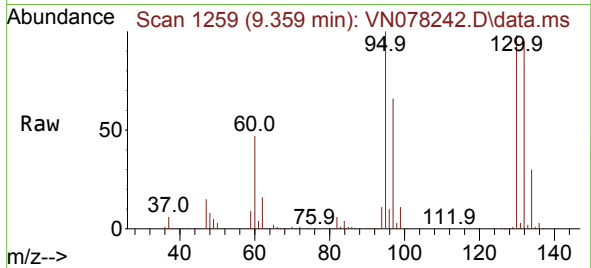




#39
Methylcyclohexane
Concen: 1.503 ug/l
RT: 9.359 min Scan# 11201
Delta R.T. -0.247 min
Lab File: VN078242.D
Acq: 15 Jun 2023 20:46

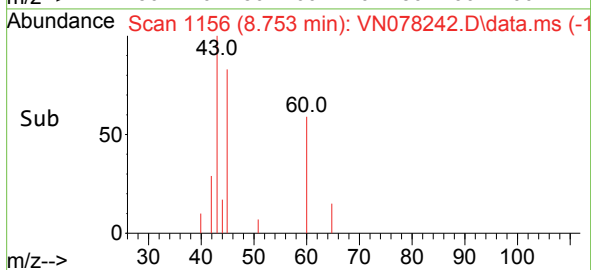
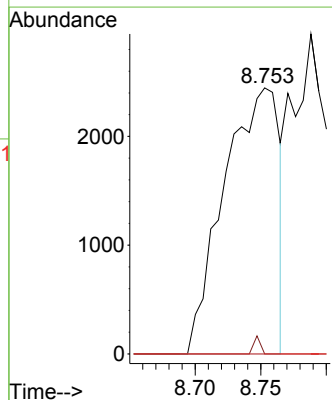
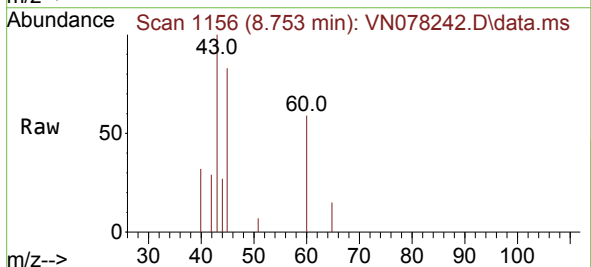
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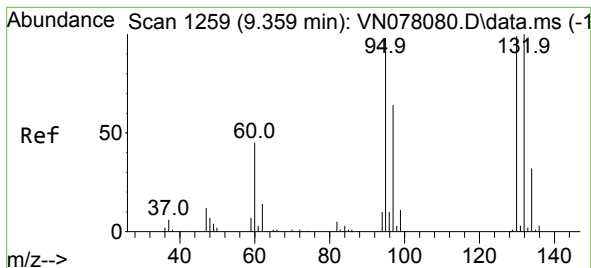
Tgt Ion: 83 Resp: 11201
Ion Ratio Lower Upper
83 100
55 0.0 49.1 73.7#
98 217.8 40.6 61.0#



#43
Isopropyl Acetate
Concen: 0.664 ug/l
RT: 8.753 min Scan# 1156
Delta R.T. 0.059 min
Lab File: VN078242.D
Acq: 15 Jun 2023 20:46

Tgt Ion: 43 Resp: 7135
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#





#44

Trichloroethene

Concen: 149.249 ug/l

RT: 9.359 min Scan# 1259

Delta R.T. -0.000 min

Lab File: VN078242.D

Acq: 15 Jun 2023 20:46

Instrument :

MSVOA_N

ClientSampleId :

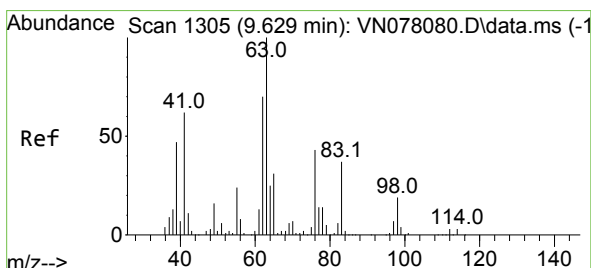
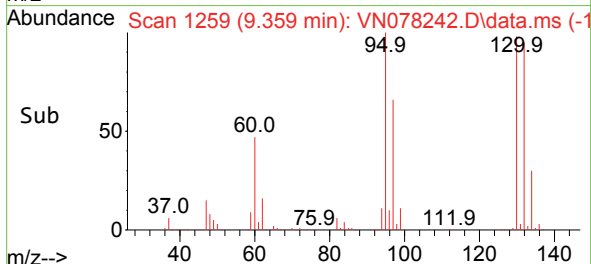
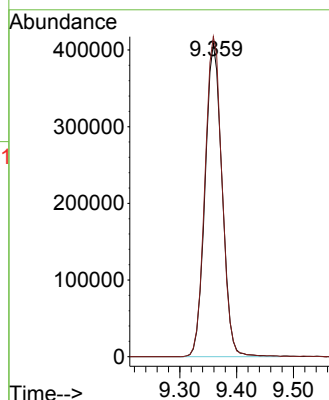
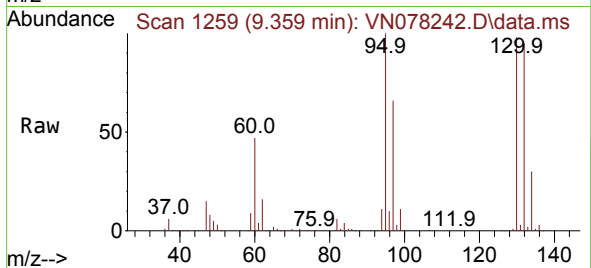
FSND-MW-EVAL-3D-06122023

Tgt Ion:130 Resp: 846026

Ion Ratio Lower Upper

130 100

95 102.2 0.0 204.6



#45

1,2-Dichloropropane

Concen: 0.443 ug/l

RT: 9.359 min Scan# 1259

Delta R.T. -0.271 min

Lab File: VN078242.D

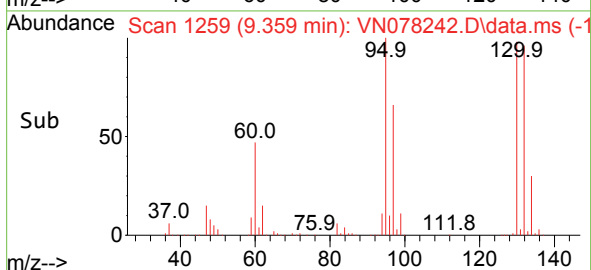
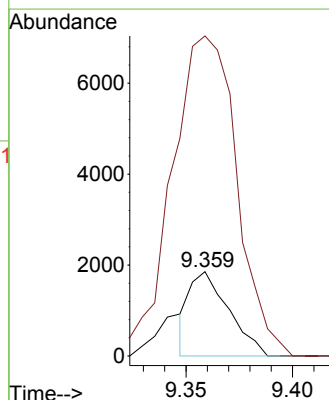
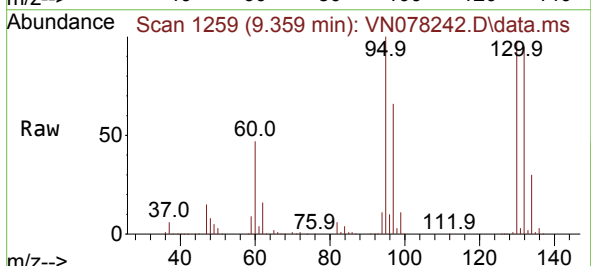
Acq: 15 Jun 2023 20:46

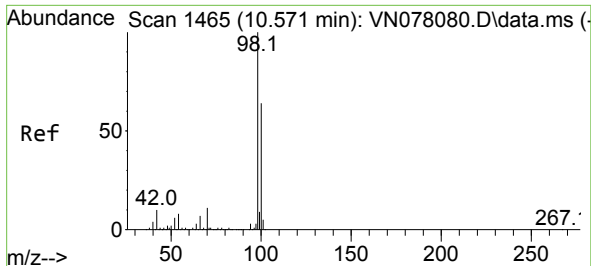
Tgt Ion: 63 Resp: 2367

Ion Ratio Lower Upper

63 100

65 363.1 23.9 35.9#

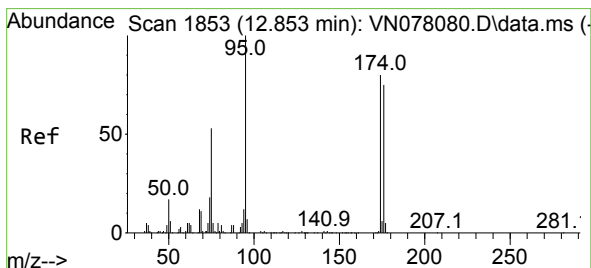
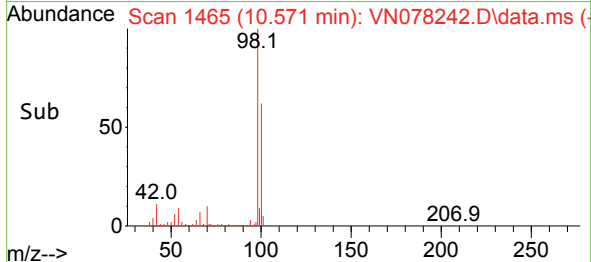
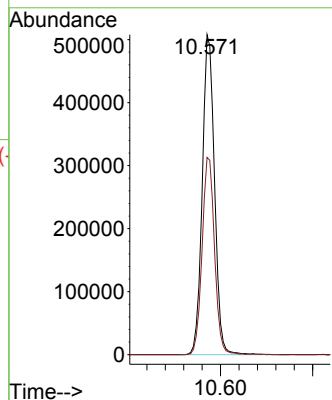
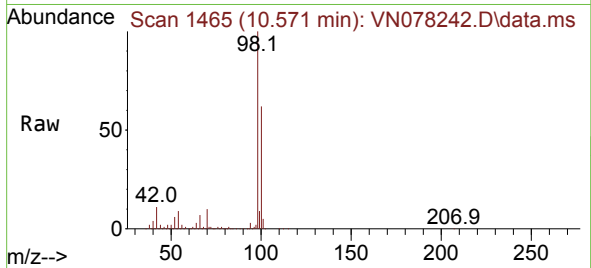




#50
Toluene-d8
Concen: 48.702 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN078242.D
Acq: 15 Jun 2023 20:46

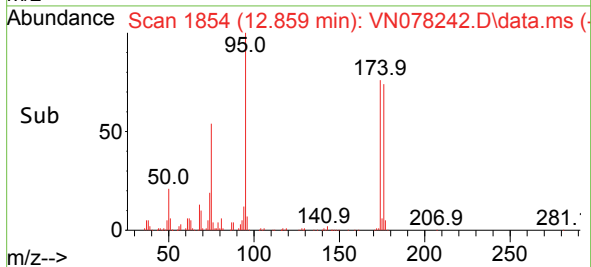
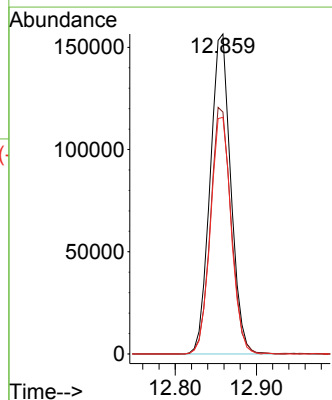
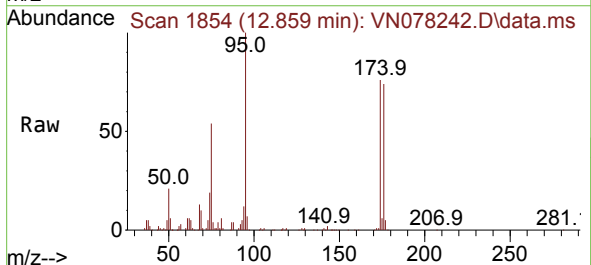
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-EVAL-3D-06122023

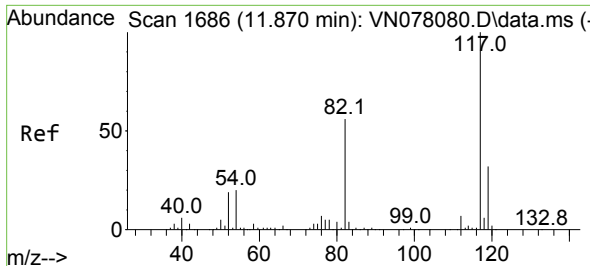
Tgt Ion: 98 Resp: 941100
Ion Ratio Lower Upper
98 100
100 62.7 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 46.088 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN078242.D
Acq: 15 Jun 2023 20:46

Tgt Ion: 95 Resp: 276861
Ion Ratio Lower Upper
95 100
174 76.9 0.0 143.8
176 74.3 0.0 135.8

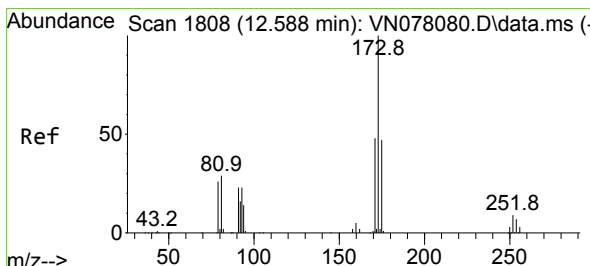
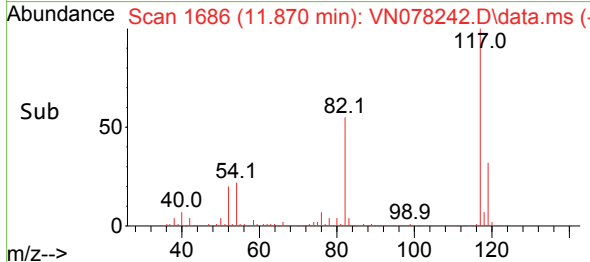
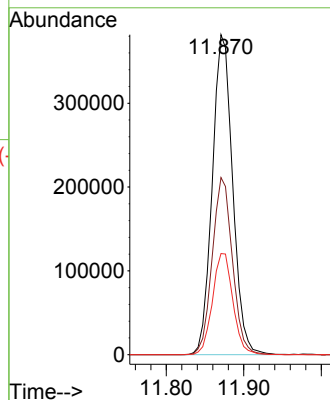
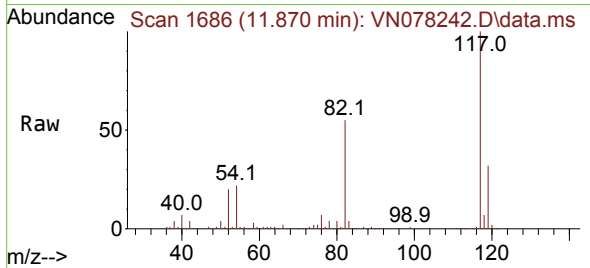




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN078242.D
Acq: 15 Jun 2023 20:46

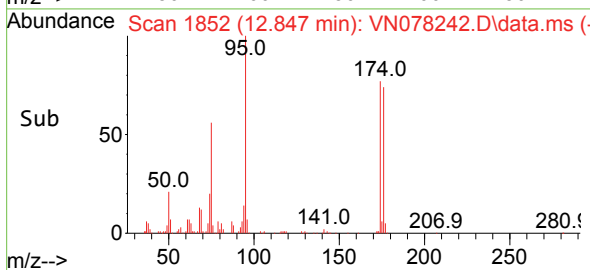
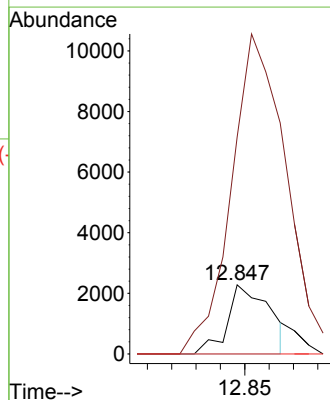
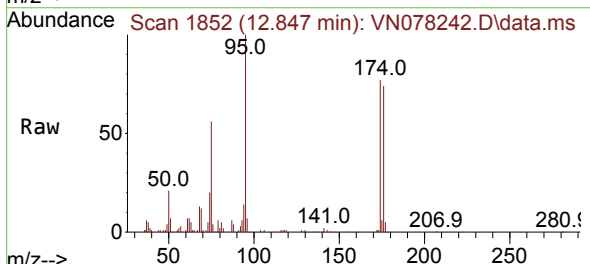
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-EVAL-3D-06122023

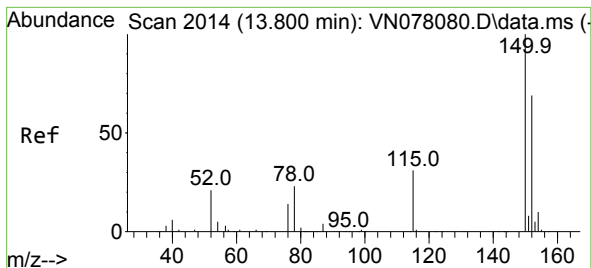
Tgt Ion:117 Resp: 699138
Ion Ratio Lower Upper
117 100
82 55.4 44.0 66.0
119 31.6 25.6 38.4



#71
Bromoform
Concen: 0.771 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.259 min
Lab File: VN078242.D
Acq: 15 Jun 2023 20:46

Tgt Ion:173 Resp: 2739
Ion Ratio Lower Upper
173 100
175 513.5 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: VN078242.D

Acq: 15 Jun 2023 20:46

Instrument :

MSVOA_N

ClientSampleId :

FSND-MW-EVAL-3D-06122023

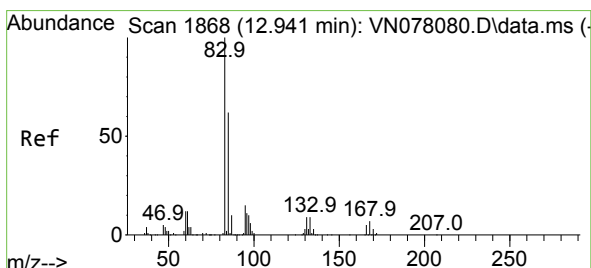
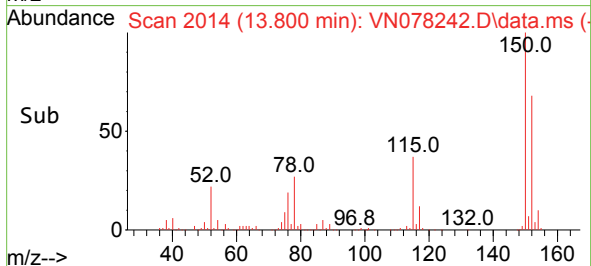
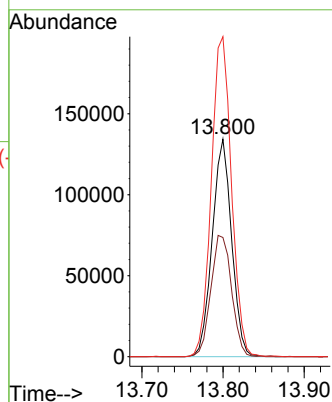
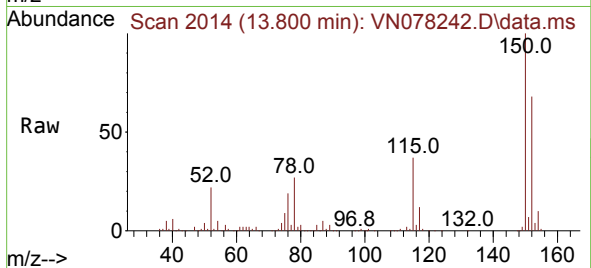
Tgt Ion:152 Resp: 222807

Ion Ratio Lower Upper

152 100

115 59.6 32.3 96.8

150 153.0 0.0 355.8



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.870 min Scan# 1856

Delta R.T. -0.071 min

Lab File: VN078242.D

Acq: 15 Jun 2023 20:46

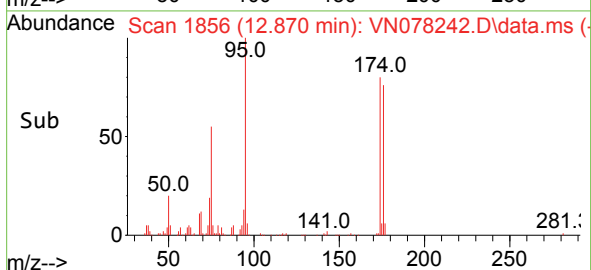
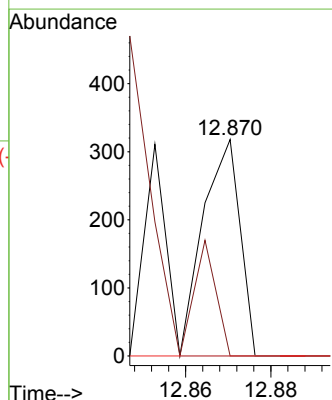
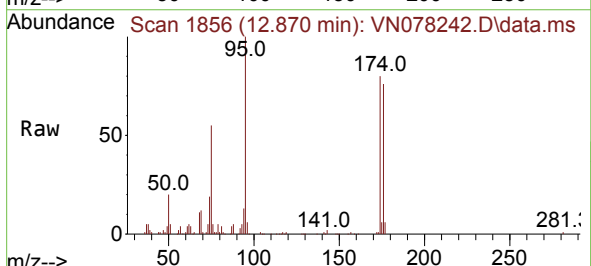
Tgt Ion: 83 Resp: 192

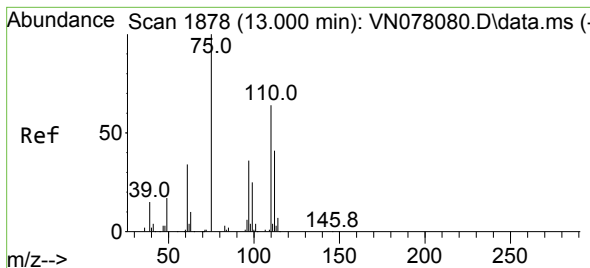
Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 0.0 31.9 95.7#





#76

1,2,3-Trichloropropane

Concen: 29.153 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN078242.D

Acq: 15 Jun 2023 20:46

Instrument :

MSVOA_N

ClientSampleId :

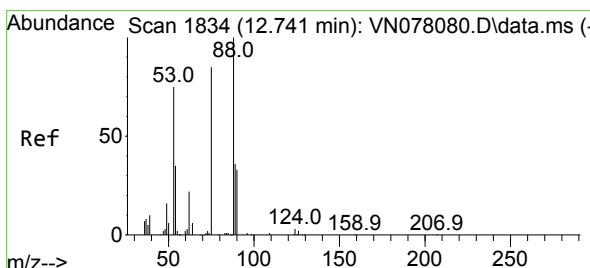
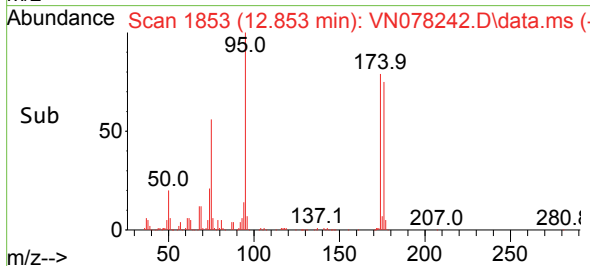
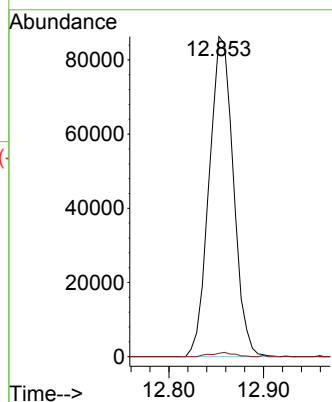
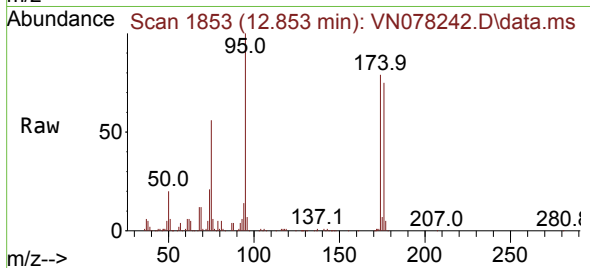
FSND-MW-EVAL-3D-06122023

Tgt Ion: 75 Resp: 153557

Ion Ratio Lower Upper

75 100

77 1.3 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 89.568 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN078242.D

Acq: 15 Jun 2023 20:46

Tgt Ion: 75 Resp: 153557

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

89 0.0 38.8 58.2#

