

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110323\
 Data File : VN079862.D
 Acq On : 03 Nov 2023 20:26
 Operator : JC\MD
 Sample : 05222-19
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FSND-MW-EVAL-03S-20231101

Quant Time: Nov 04 00:58:37 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)

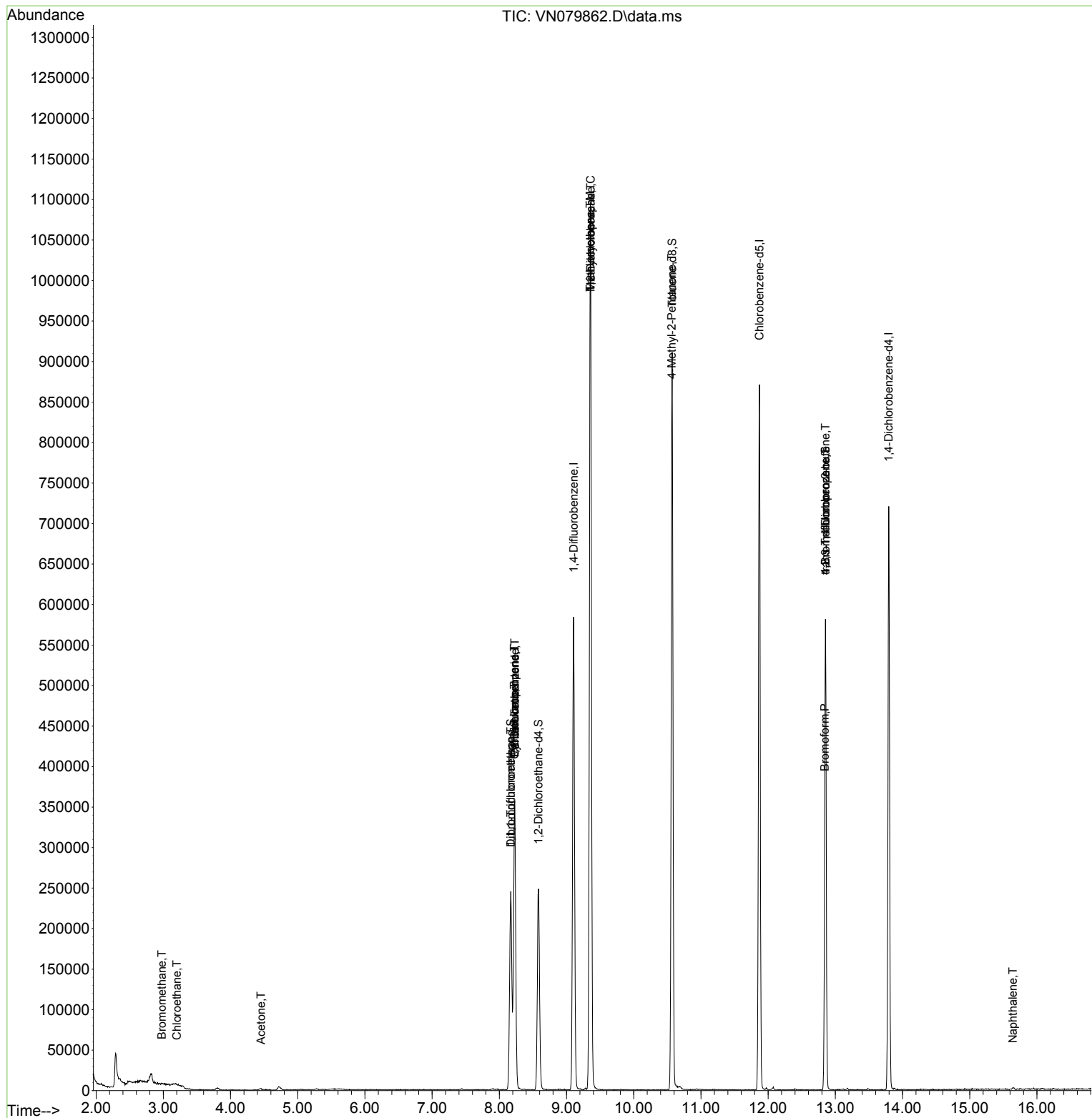
Internal Standards						
1) Pentafluorobenzene	8.230	168	247658	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	482694	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	483661	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	181009	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	202932	53.783	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.560%			
35) Dibromofluoromethane	8.171	113	171855	50.304	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.600%			
50) Toluene-d8	10.571	98	604556	48.070	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.140%			
62) 4-Bromofluorobenzene	12.853	95	187983	45.068	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 90.140%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.360	50	1453	Below Cal	#	69
5) Bromomethane	2.977	94	477	0.201	ug/l	90
6) Chloroethane	3.201	64	2849	0.923	ug/l #	68
16) Acetone	4.453	43	3440	2.596	ug/l #	86
31) Cyclohexane	8.224	56	6280	1.260	ug/l #	25
32) 1,1,1-Trichloroethane	8.171	97	1757	0.345	ug/l #	37
36) 1,1-Dichloropropene	8.224	75	23157	4.747	ug/l #	46
38) Carbon Tetrachloride	8.230	117	27361	5.566	ug/l #	17
39) Methylcyclohexane	9.359	83	5398	1.176	ug/l #	1
44) Trichloroethene	9.353	130	384185	105.970	ug/l	98
45) 1,2-Dichloropropane	9.359	63	1272	0.341	ug/l #	1
51) 4-Methyl-2-Pentanone	10.565	43	2923	0.662	ug/l #	1
71) Bromoform	12.841	173	662	0.247	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	104453	24.580	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	104453	66.876	ug/l #	15
95) Naphthalene	15.641	128	2383	0.250	ug/l #	89

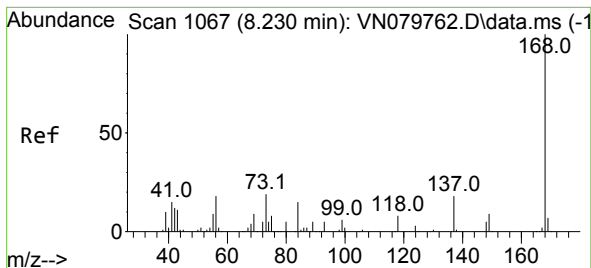
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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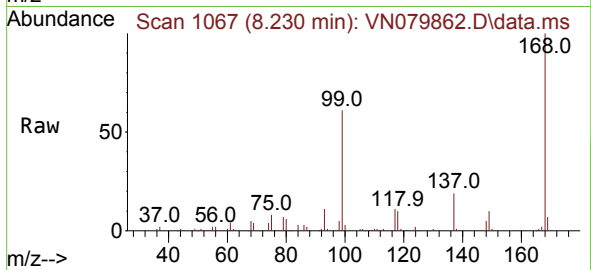
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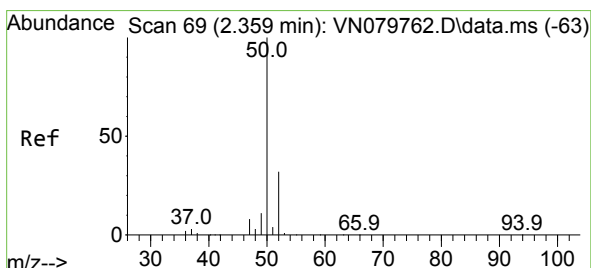
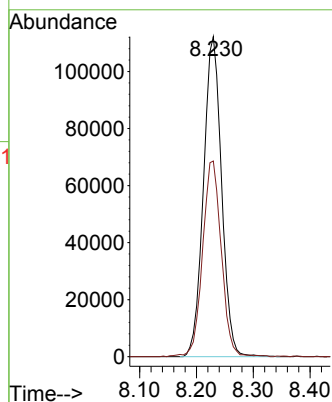
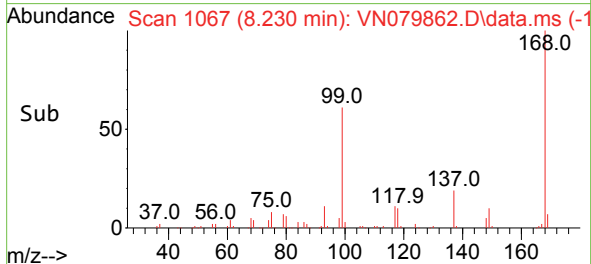


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. 0.001 min
Lab File: VN079862.D
Acq: 03 Nov 2023 20:26

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-EVAL-03S-20231101

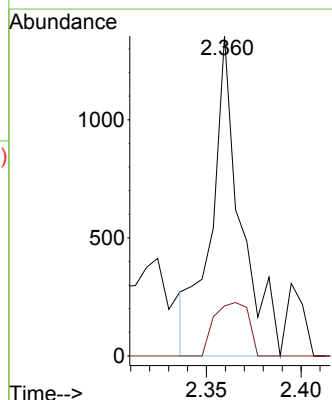
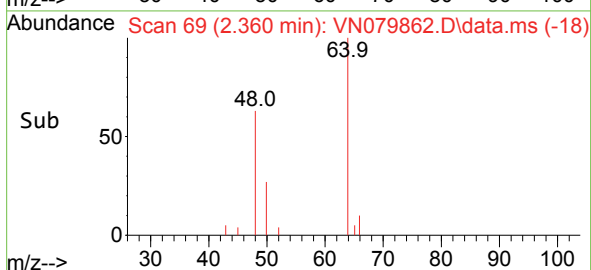
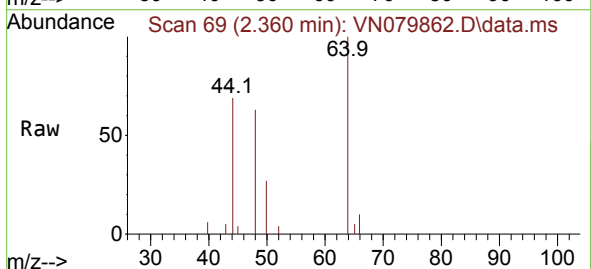


Tgt Ion:168 Resp: 247658
Ion Ratio Lower Upper
168 100
99 61.0 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.360 min Scan# 69
Delta R.T. 0.001 min
Lab File: VN079862.D
Acq: 03 Nov 2023 20:26

Tgt Ion: 50 Resp: 1453
Ion Ratio Lower Upper
50 100
52 15.6 26.5 39.7#

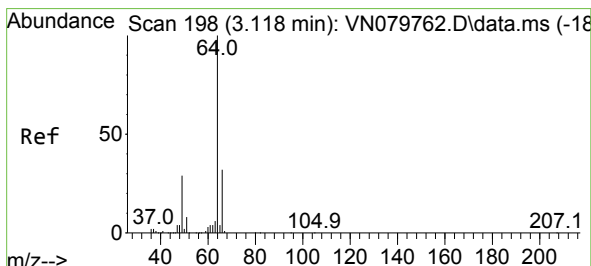
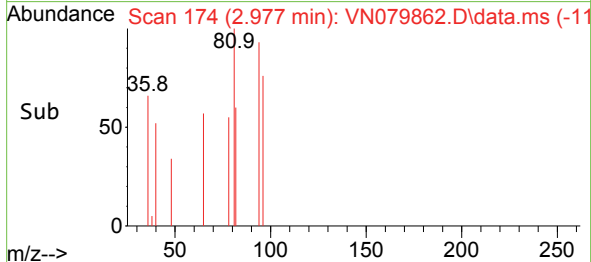
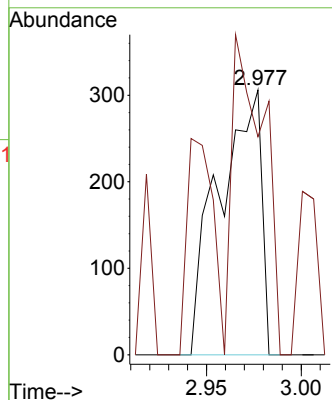
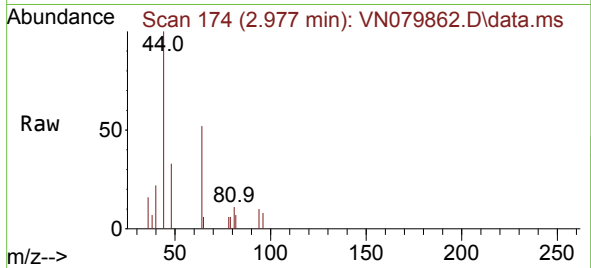




#5
Bromomethane
Concen: 0.201 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN079862.D
Acq: 03 Nov 2023 20:26

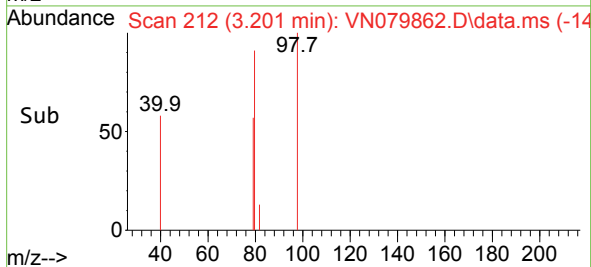
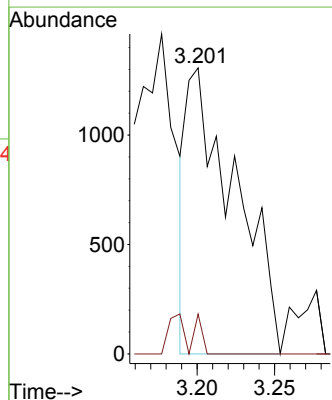
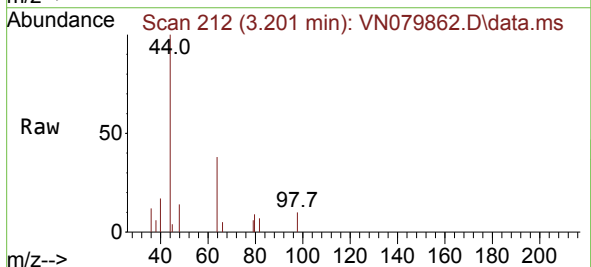
Instrument :
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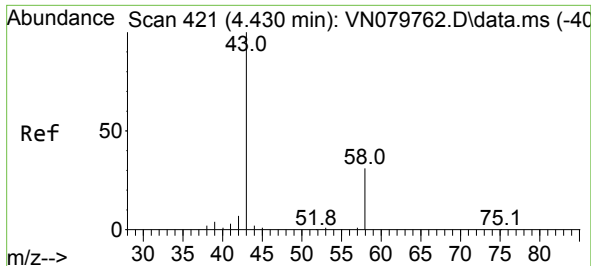
Tgt Ion: 94 Resp: 477
Ion Ratio Lower Upper
94 100
96 82.4 73.1 109.7



#6
Chloroethane
Concen: 0.923 ug/l
RT: 3.201 min Scan# 212
Delta R.T. 0.083 min
Lab File: VN079862.D
Acq: 03 Nov 2023 20:26

Tgt Ion: 64 Resp: 2849
Ion Ratio Lower Upper
64 100
66 13.9 25.4 38.2#

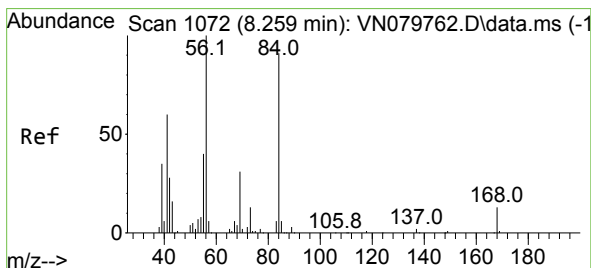
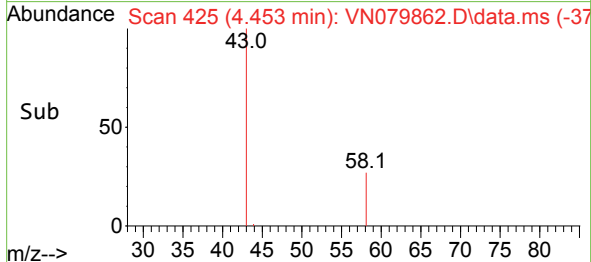
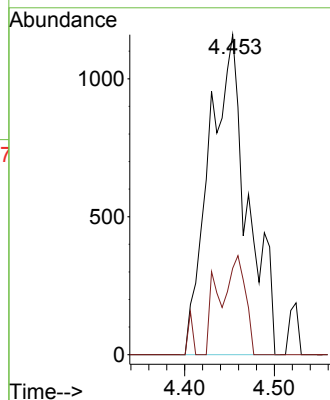
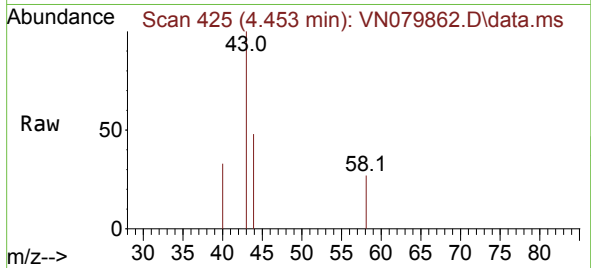




#16
Acetone
Concen: 2.596 ug/l
RT: 4.453 min Scan# 41
Delta R.T. 0.024 min
Lab File: VN079862.D
Acq: 03 Nov 2023 20:26

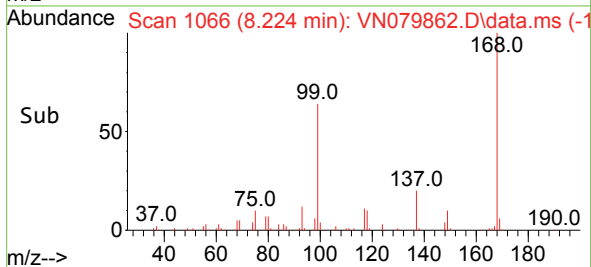
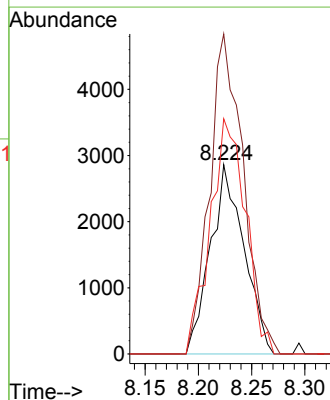
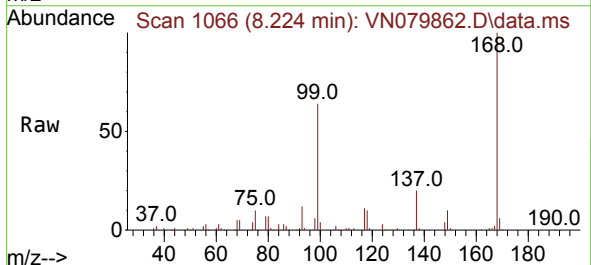
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-EVAL-03S-20231101

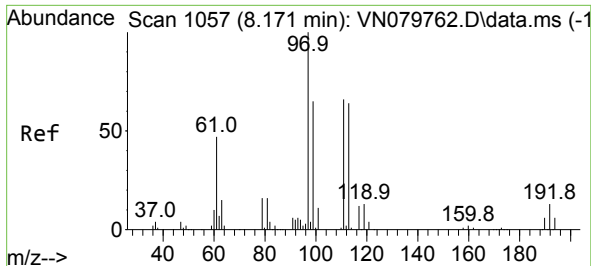
Tgt Ion: 43 Resp: 3440
Ion Ratio Lower Upper
43 100
58 27.0 28.0 42.0#



#31
Cyclohexane
Concen: 1.260 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN079862.D
Acq: 03 Nov 2023 20:26

Tgt Ion: 56 Resp: 6280
Ion Ratio Lower Upper
56 100
69 169.0 26.8 40.2#
84 124.2 81.8 122.6#

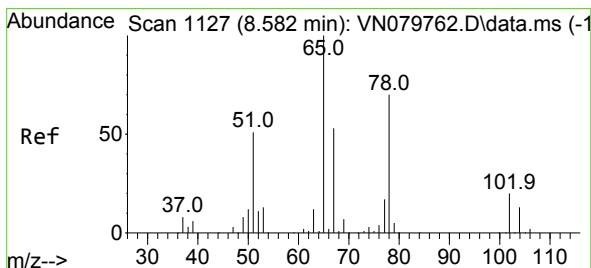
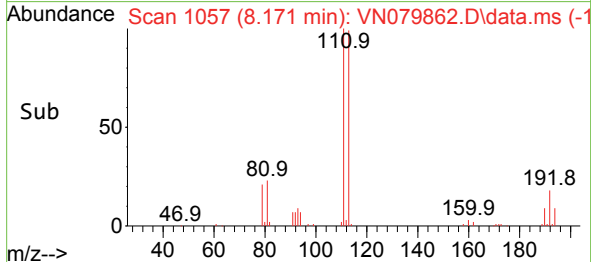
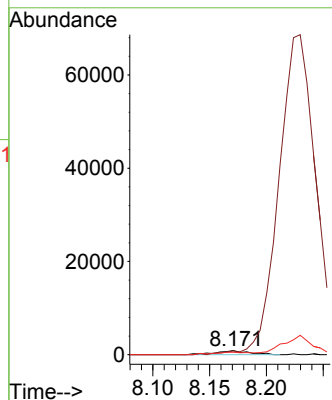
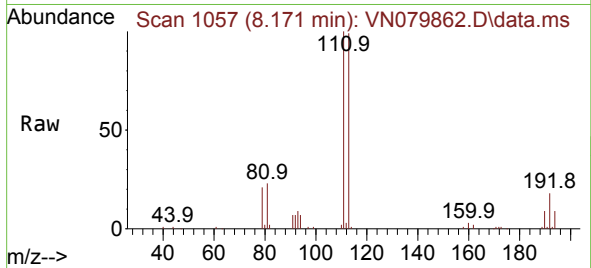




#32
1,1,1-Trichloroethane
Concen: 0.345 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN079862.D
Acq: 03 Nov 2023 20:26

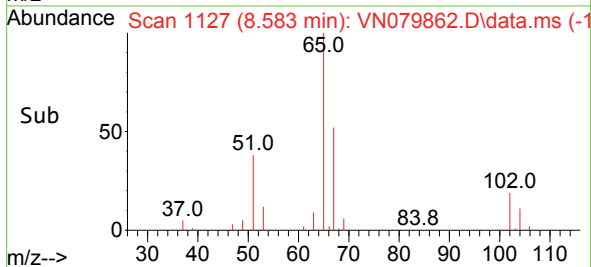
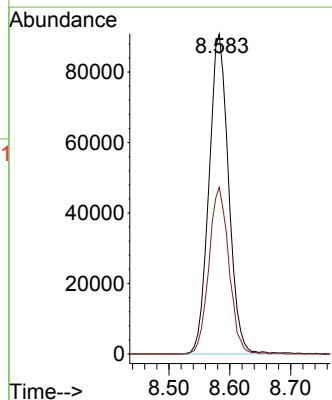
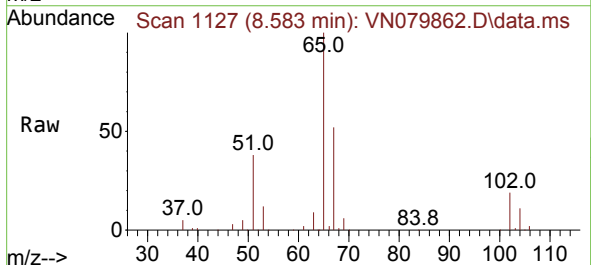
Instrument :
MSVOA_N
ClientSampleId :
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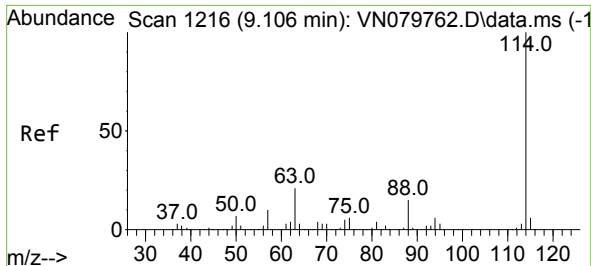
Tgt Ion: 97 Resp: 1757
Ion Ratio Lower Upper
97 100
99 0.0 50.3 75.5#
61 67.3 34.7 52.1#



#33
1,2-Dichloroethane-d4
Concen: 53.783 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN079862.D
Acq: 03 Nov 2023 20:26

Tgt Ion: 65 Resp: 202932
Ion Ratio Lower Upper
65 100
67 53.0 0.0 106.6

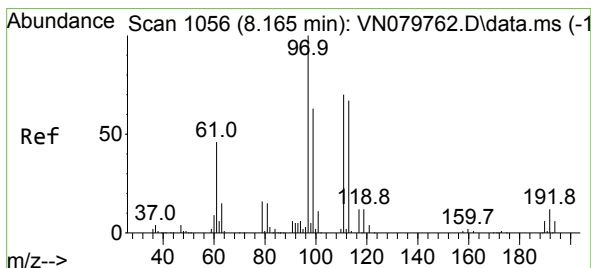
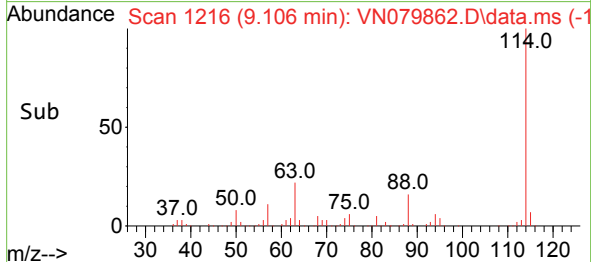
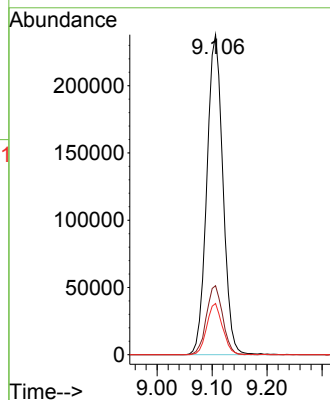
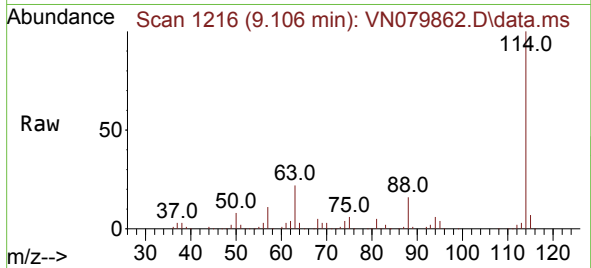




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079862.D
Acq: 03 Nov 2023 20:26

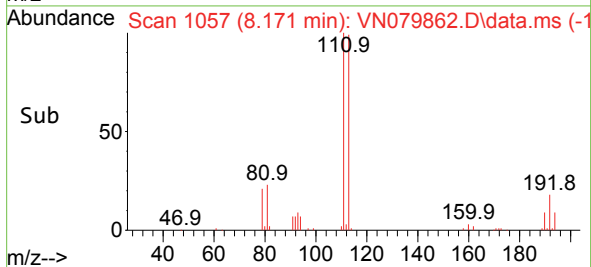
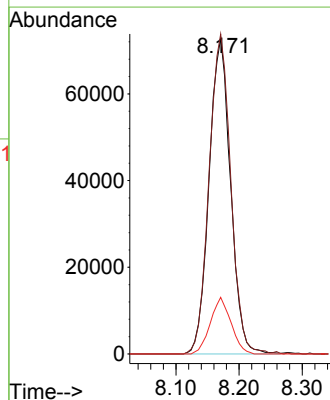
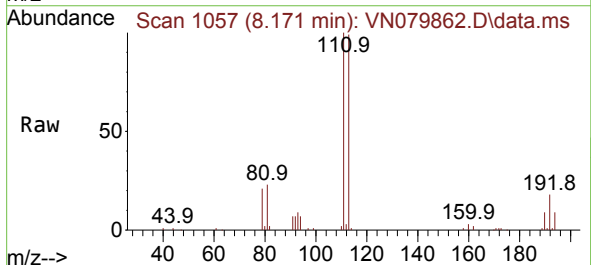
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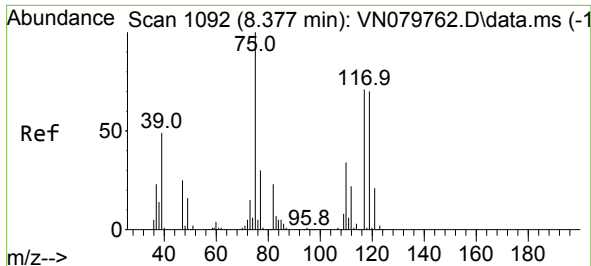
Tgt Ion:114 Resp: 482694
Ion Ratio Lower Upper
114 100
63 21.5 0.0 36.4
88 16.0 0.0 30.6



#35
Dibromofluoromethane
Concen: 50.304 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN079862.D
Acq: 03 Nov 2023 20:26

Tgt Ion:113 Resp: 171855
Ion Ratio Lower Upper
113 100
111 102.5 82.6 123.8
192 17.3 12.7 19.1

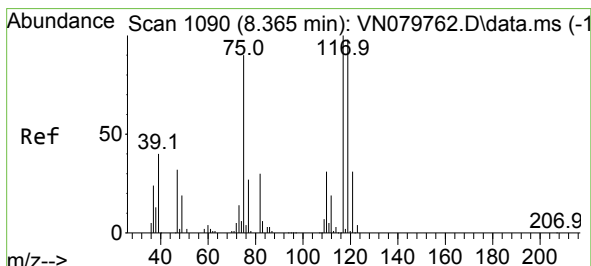
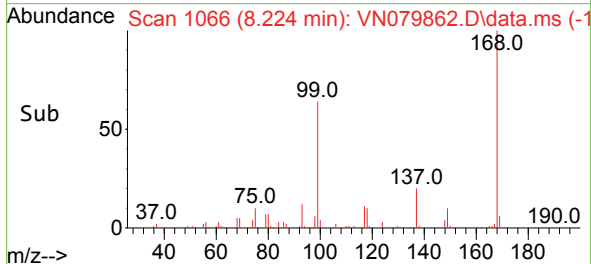
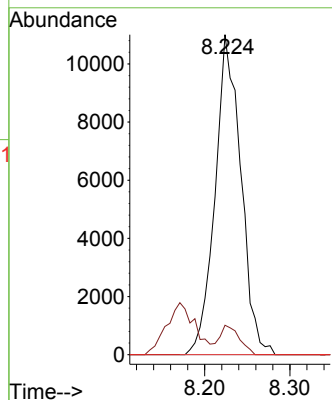
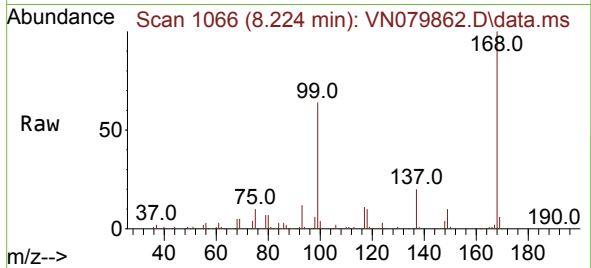




#36
1,1-Dichloropropene
Concen: 4.747 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN079862.D
Acq: 03 Nov 2023 20:26

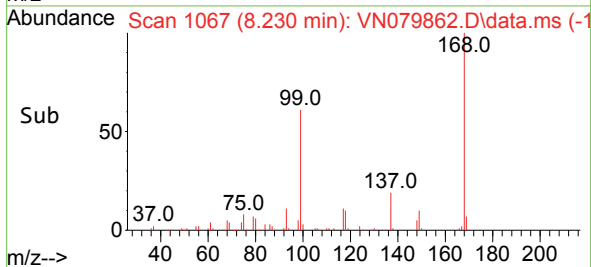
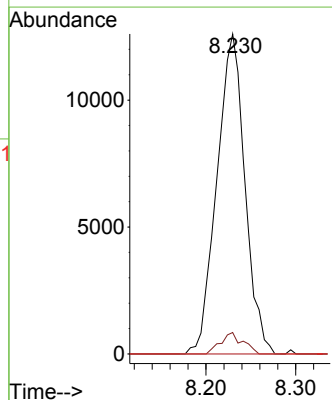
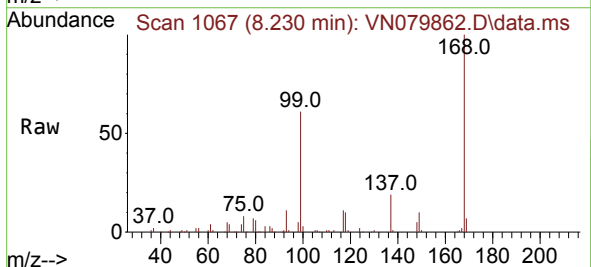
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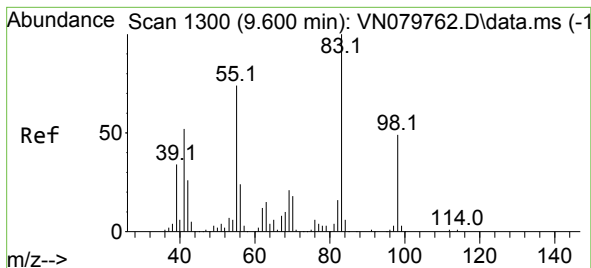
Tgt Ion: 75 Resp: 23157
Ion Ratio Lower Upper
75 100
110 7.3 19.1 57.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.566 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.129 min
Lab File: VN079862.D
Acq: 03 Nov 2023 20:26

Tgt Ion: 117 Resp: 27361
Ion Ratio Lower Upper
117 100
119 6.7 77.3 115.9#
121 0.0 23.3 34.9#





#39

Methylcyclohexane

Concen: 1.176 ug/l

RT: 9.359 min Scan# 1259

Delta R.T. -0.247 min

Lab File: VN079862.D

Acq: 03 Nov 2023 20:26

Instrument :

MSVOA_N

ClientSampleId :

FSND-MW-EVAL-03S-20231101

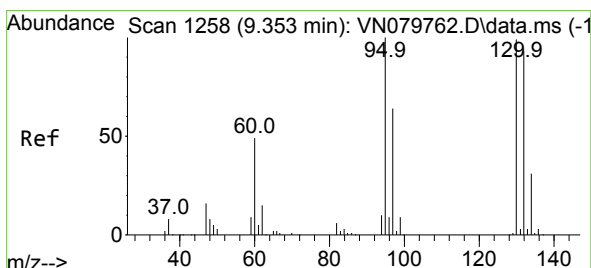
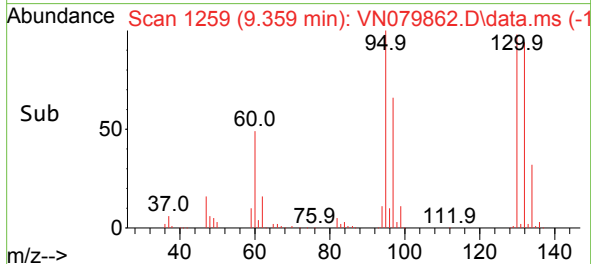
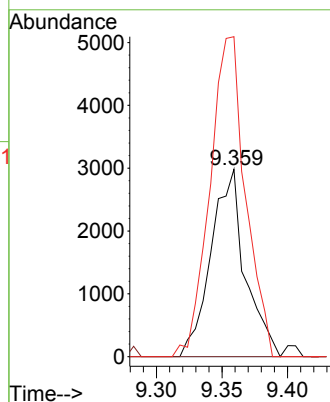
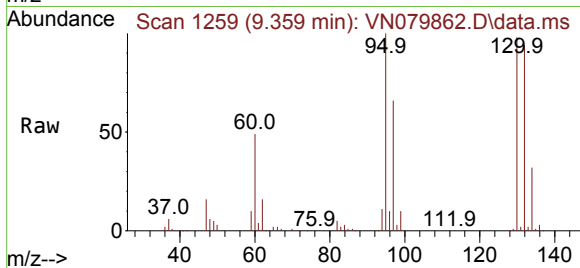
Tgt Ion: 83 Resp: 5398

Ion Ratio Lower Upper

83 100

55 0.0 49.1 73.7#

98 170.8 40.6 61.0#



#44

Trichloroethene

Concen: 105.970 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VN079862.D

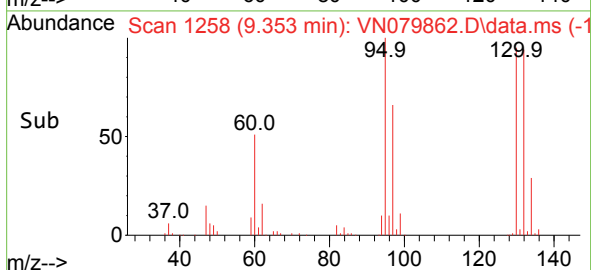
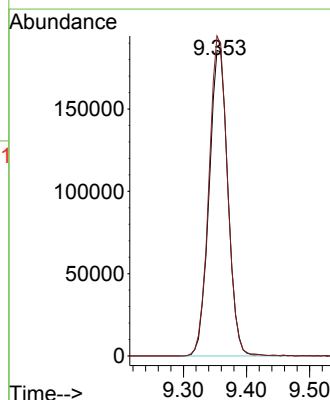
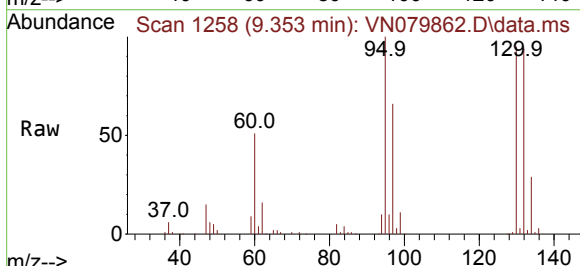
Acq: 03 Nov 2023 20:26

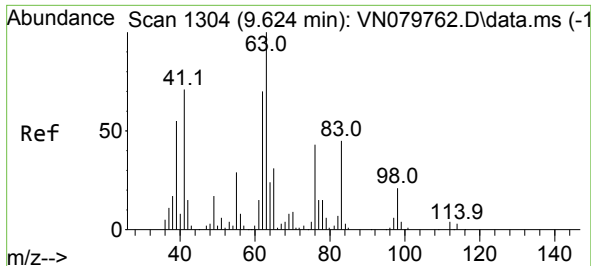
Tgt Ion:130 Resp: 384185

Ion Ratio Lower Upper

130 100

95 104.8 0.0 204.6





#45

1,2-Dichloropropane

Concen: 0.341 ug/l

RT: 9.359 min Scan# 11

Delta R.T. -0.264 min

Lab File: VN079862.D

Acq: 03 Nov 2023 20:26

Instrument :

MSVOA_N

ClientSampleId :

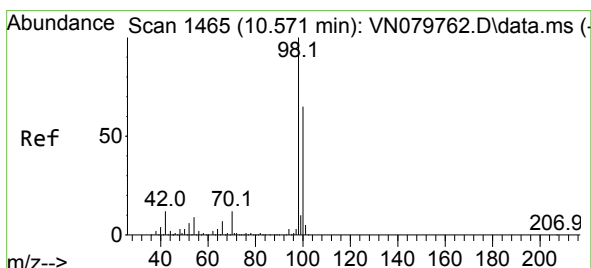
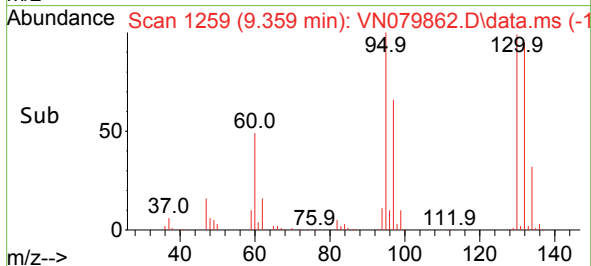
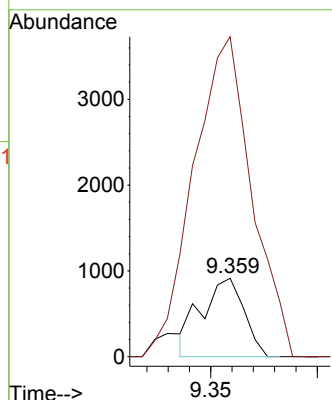
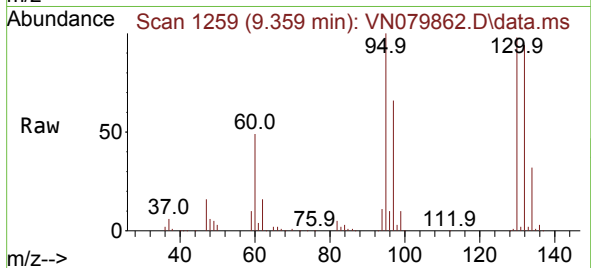
FSND-MW-EVAL-03S-20231101

Tgt Ion: 63 Resp: 1272

Ion Ratio Lower Upper

63 100

65 339.5 23.9 35.9#



#50

Toluene-d8

Concen: 48.070 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN079862.D

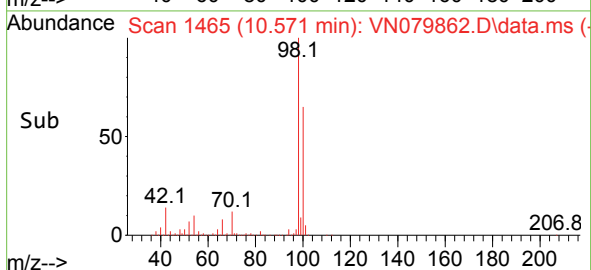
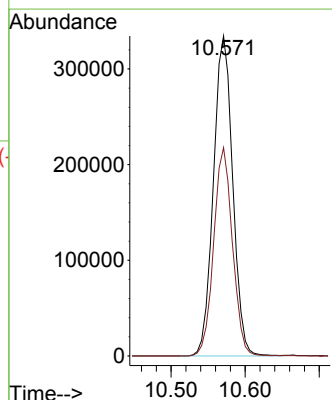
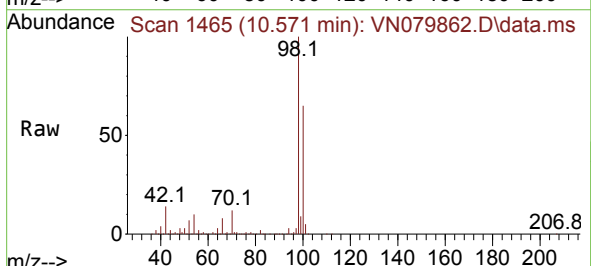
Acq: 03 Nov 2023 20:26

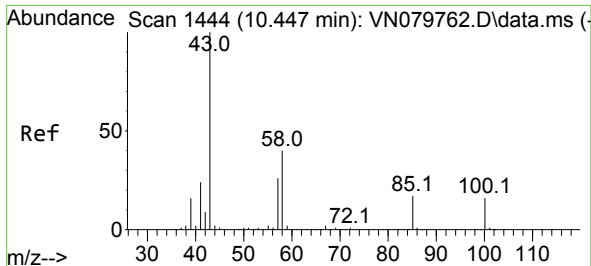
Tgt Ion: 98 Resp: 604556

Ion Ratio Lower Upper

98 100

100 63.4 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 0.662 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.118 min

Lab File: VN079862.D

Acq: 03 Nov 2023 20:26

Instrument :

MSVOA_N

ClientSampleId :

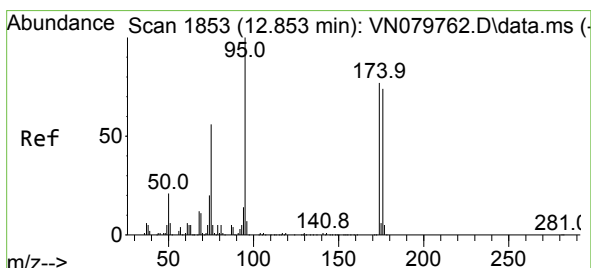
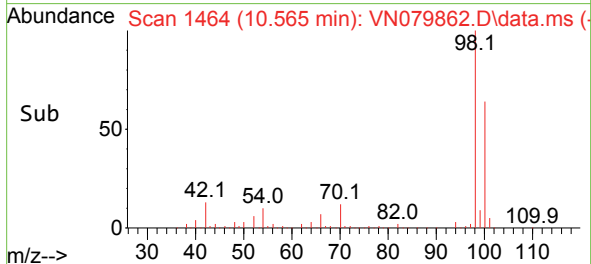
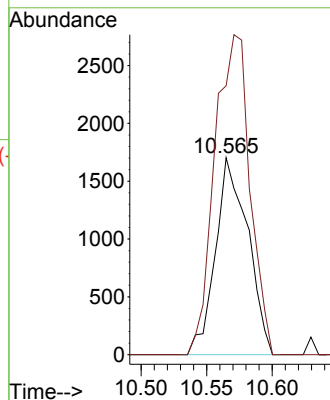
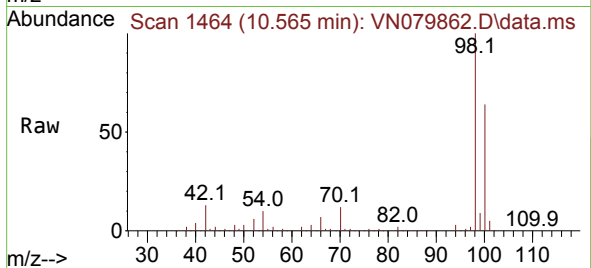
FSND-MW-EVAL-03S-20231101

Tgt Ion: 43 Resp: 2923

Ion Ratio Lower Upper

43 100

58 177.4 36.6 54.8#



#62

4-Bromofluorobenzene

Concen: 45.068 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VN079862.D

Acq: 03 Nov 2023 20:26

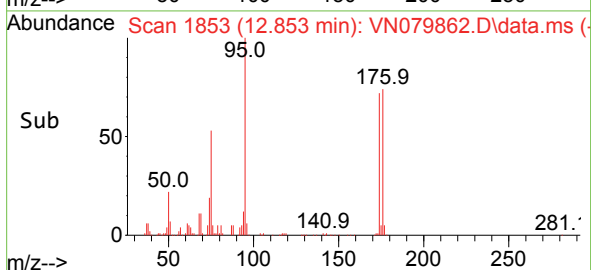
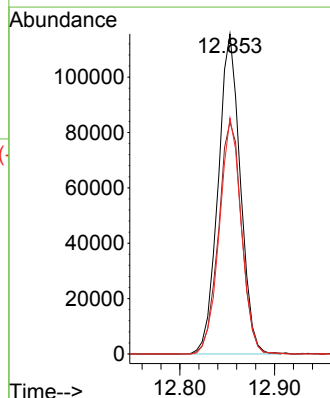
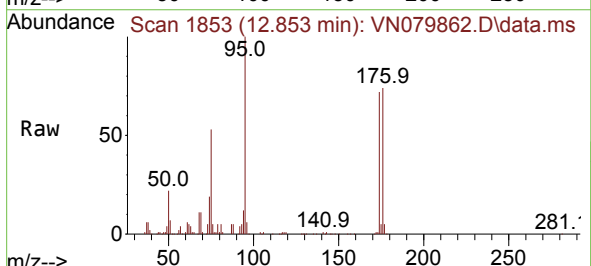
Tgt Ion: 95 Resp: 187983

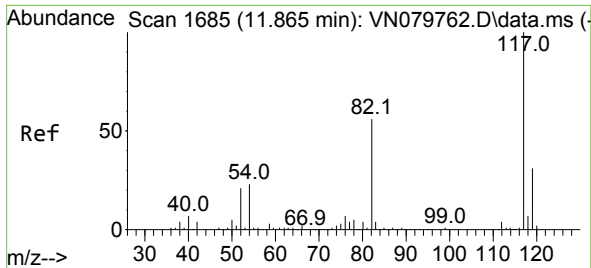
Ion Ratio Lower Upper

95 100

174 75.4 0.0 143.8

176 72.9 0.0 135.8

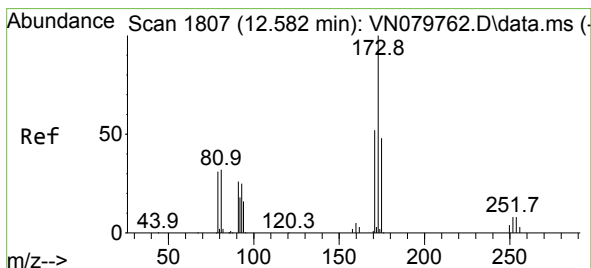
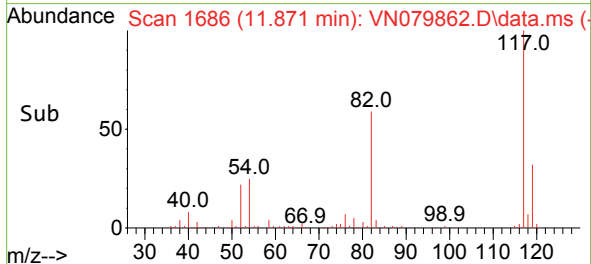
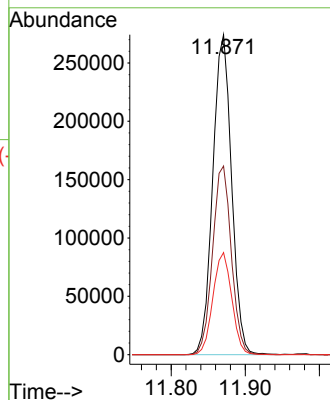
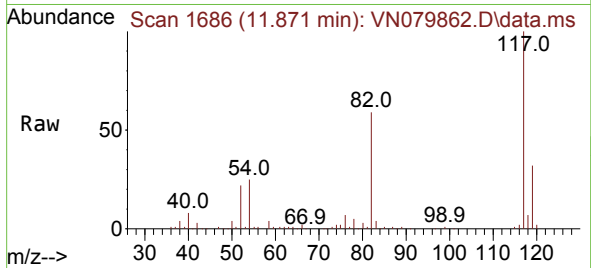




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079862.D
Acq: 03 Nov 2023 20:26

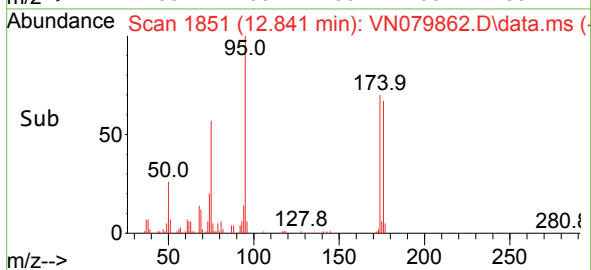
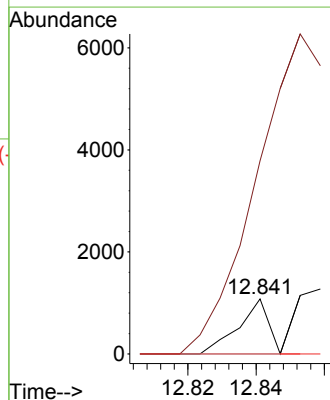
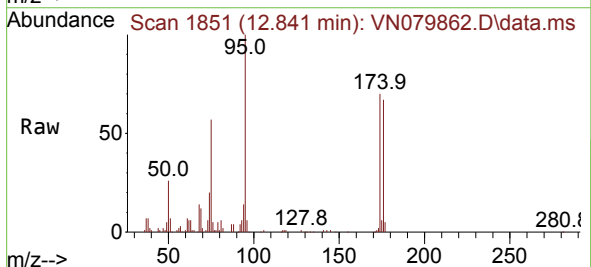
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-EVAL-03S-20231101

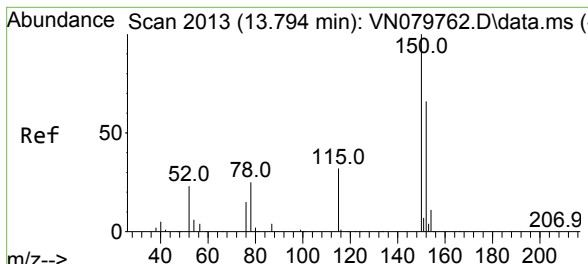
Tgt Ion:117 Resp: 483661
Ion Ratio Lower Upper
117 100
82 59.0 44.0 66.0
119 31.9 25.6 38.4



#71
Bromoform
Concen: 0.247 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.259 min
Lab File: VN079862.D
Acq: 03 Nov 2023 20:26

Tgt Ion:173 Resp: 662
Ion Ratio Lower Upper
173 100
175 1305.9 24.3 73.0#
254 0.0 0.0 0.0

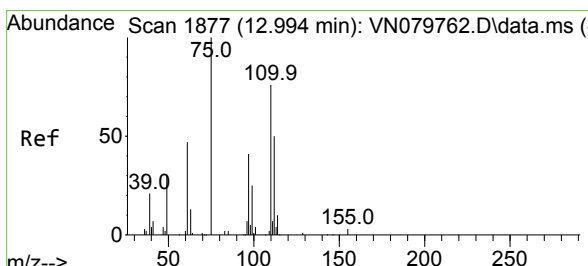
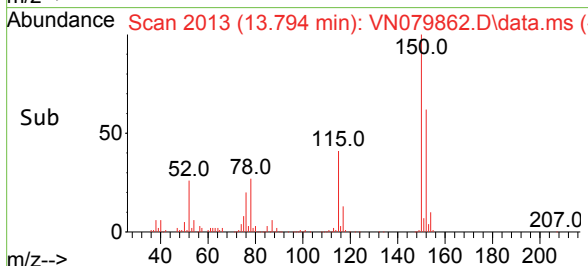
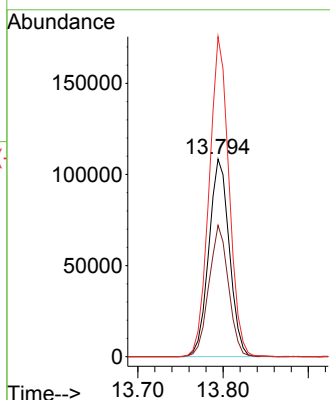
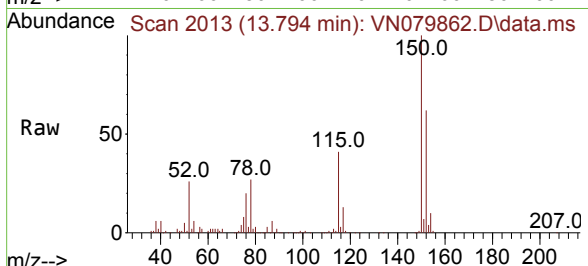




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. 0.000 min
 Lab File: VN079862.D
 Acq: 03 Nov 2023 20:26

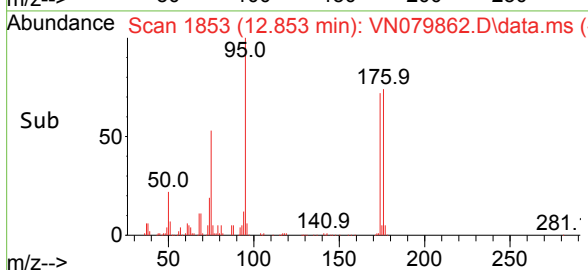
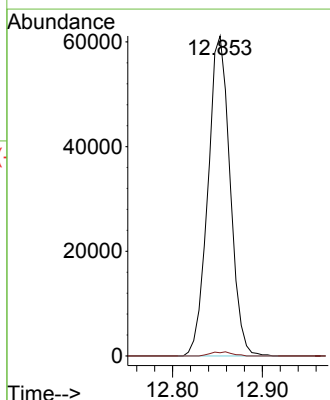
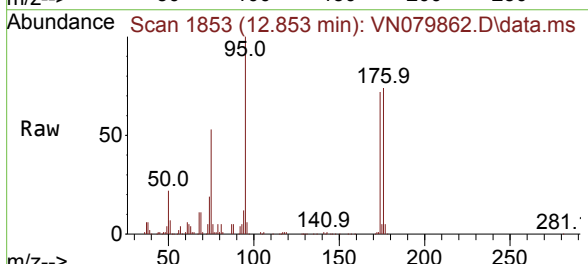
Instrument : MSVOA_N
 ClientSampleId : FSND-MW-EVAL-03S-20231101

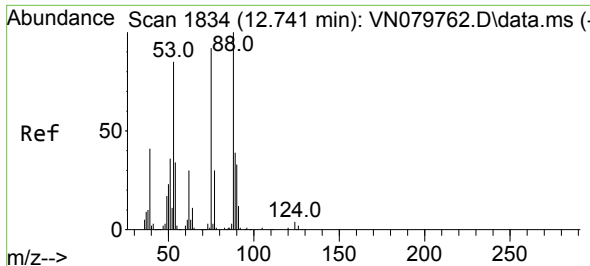
Tgt Ion:	152	Resp:	181009
Ion Ratio	Lower	Upper	
152	100		
115	63.4	32.3	96.8
150	156.8	0.0	355.8



#76
 1,2,3-Trichloropropane
 Concen: 24.580 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.141 min
 Lab File: VN079862.D
 Acq: 03 Nov 2023 20:26

Tgt Ion:	75	Resp:	104453
Ion Ratio	Lower	Upper	
75	100		
77	1.3	84.5	253.5#

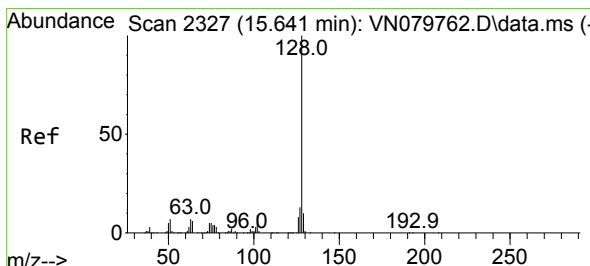
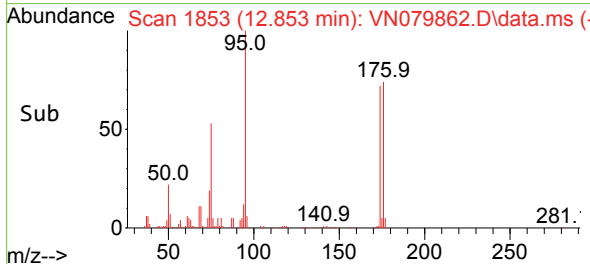
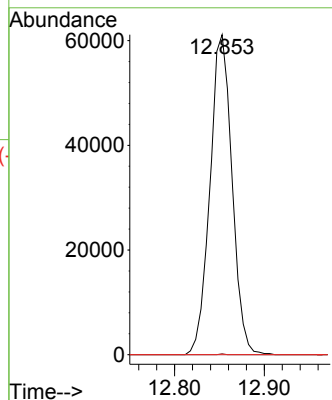
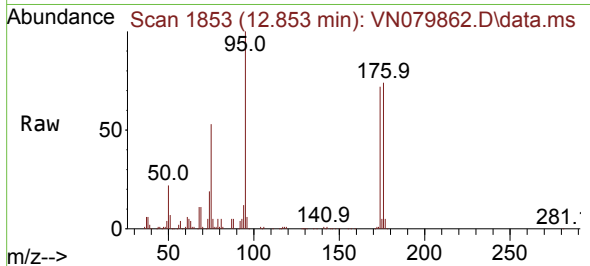




#81
trans-1,4-Dichloro-2-butene
Concen: 66.876 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN079862.D
Acq: 03 Nov 2023 20:26

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-EVAL-03S-20231101

Tgt Ion: 75 Resp: 104453
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#



#95
Naphthalene
Concen: 0.250 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.000 min
Lab File: VN079862.D
Acq: 03 Nov 2023 20:26

Tgt Ion:128 Resp: 2383
Ion Ratio Lower Upper
128 100
127 12.2 10.0 15.0
129 2.5 8.7 13.1#

