

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110223\
 Data File : VN079830.D
 Acq On : 03 Nov 2023 07:08
 Operator : JC\MD
 Sample : 05222-15
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FSND-MW-EVAL-04S-20231101

Quant Time: Nov 03 07:47:13 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)

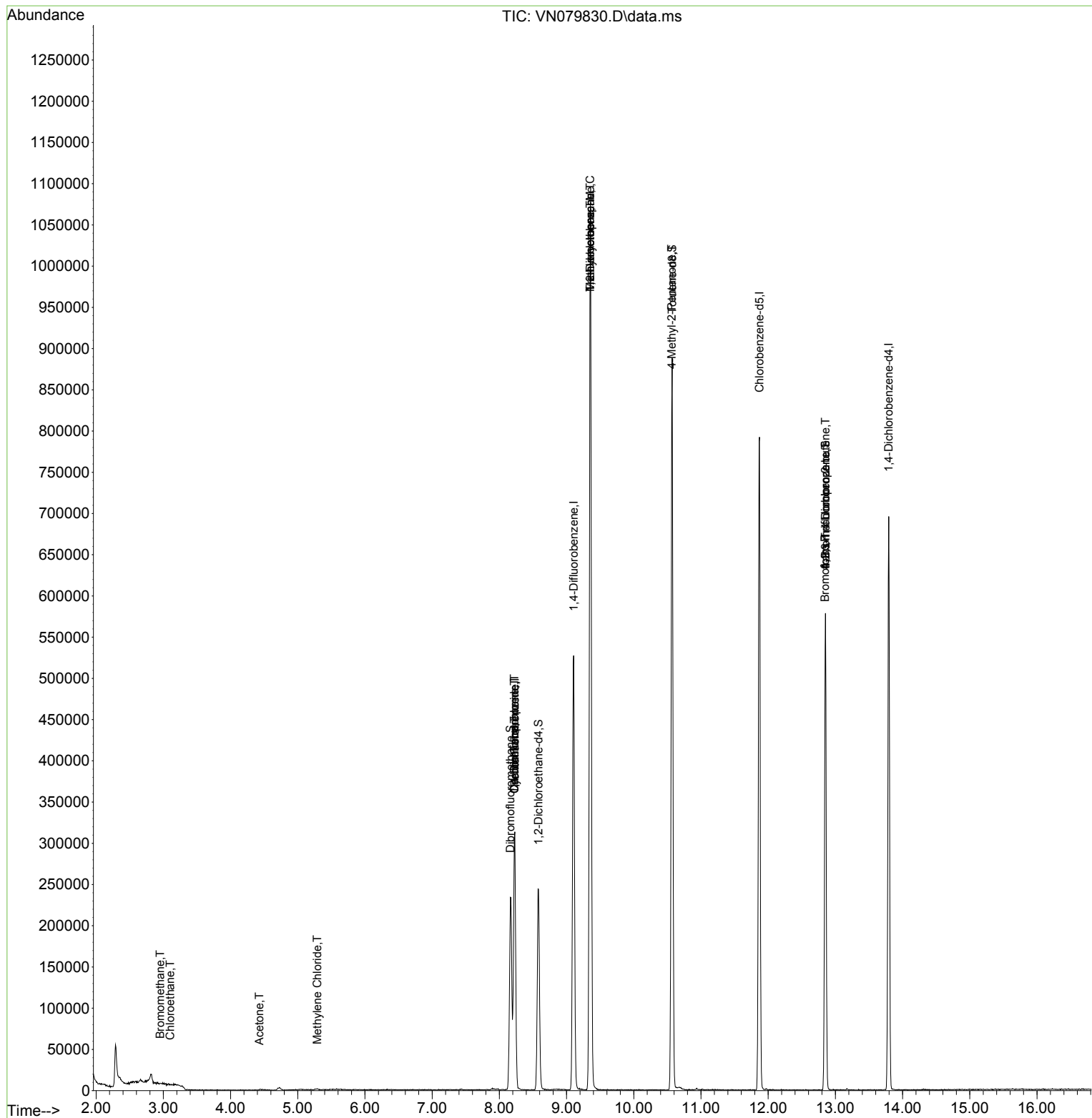
Internal Standards						
1) Pentafluorobenzene	8.230	168	218178	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	437333	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	456808	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	178550	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	200708	60.381	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 120.760%	
35) Dibromofluoromethane	8.165	113	168646	54.485	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 108.980%	
50) Toluene-d8	10.571	98	588311	51.630	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.260%	
62) 4-Bromofluorobenzene	12.853	95	190340	50.367	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 100.740%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	1563	Below Cal	#	83
5) Bromomethane	2.953	94	450	0.215	ug/l #	80
6) Chloroethane	3.100	64	1172	0.431	ug/l #	43
16) Acetone	4.430	43	559	0.479	ug/l #	40
20) Methylene Chloride	5.289	84	746	0.253	ug/l #	58
31) Cyclohexane	8.224	56	5765	1.313	ug/l #	49
36) 1,1-Dichloropropene	8.224	75	20791	4.704	ug/l #	46
38) Carbon Tetrachloride	8.224	117	23967	5.381	ug/l #	14
39) Methylcyclohexane	9.353	83	5068	1.219	ug/l #	1
44) Trichloroethene	9.353	130	376554	114.639	ug/l	99
45) 1,2-Dichloropropane	9.353	63	1542	0.456	ug/l #	1
51) 4-Methyl-2-Pentanone	10.565	43	2906	0.726	ug/l #	1
71) Bromoform	12.847	173	1425	0.562	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	105132	25.080	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	105132	68.237	ug/l #	15

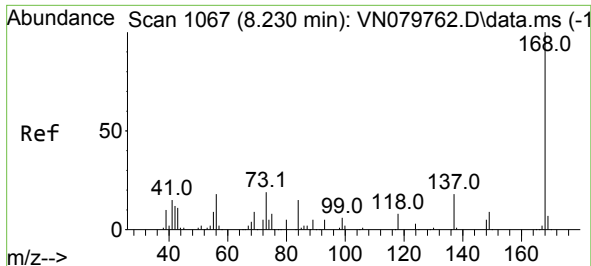
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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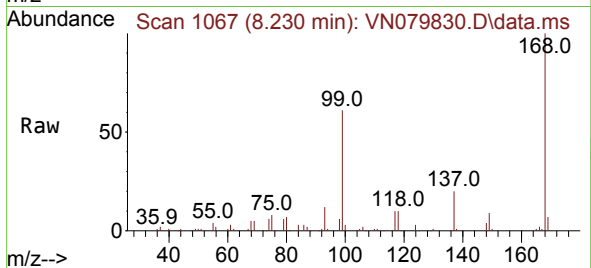
Quant Time: Nov 03 07:47:13 2023
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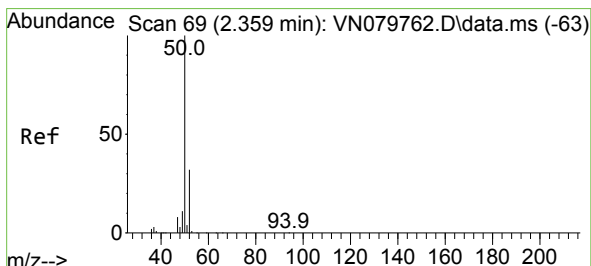
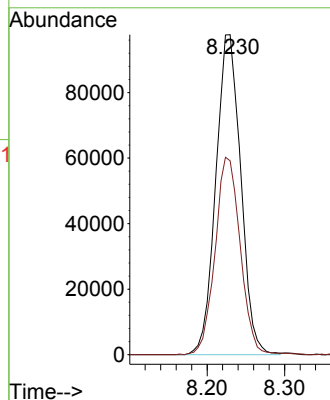
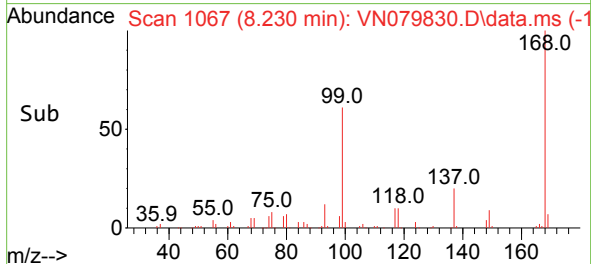


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. 0.001 min
Lab File: VN079830.D
Acq: 03 Nov 2023 07:08

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-EVAL-04S-20231101

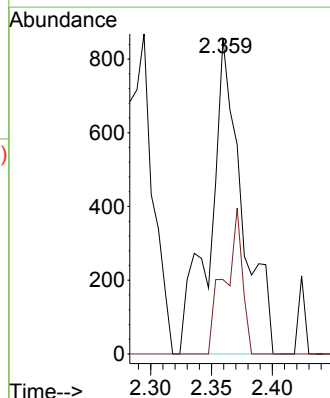
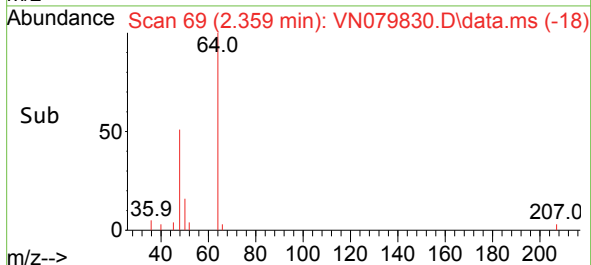
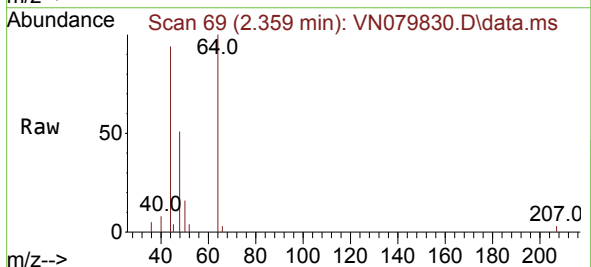


Tgt Ion:168 Resp: 218178
Ion Ratio Lower Upper
168 100
99 60.4 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN079830.D
Acq: 03 Nov 2023 07:08

Tgt Ion: 50 Resp: 1563
Ion Ratio Lower Upper
50 100
52 23.7 26.5 39.7#

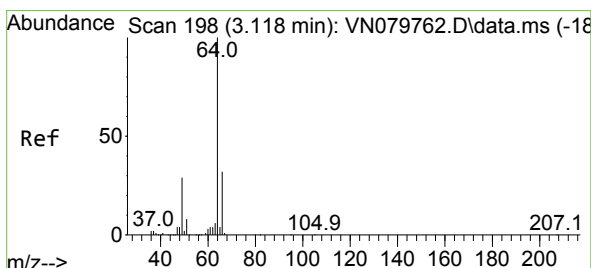
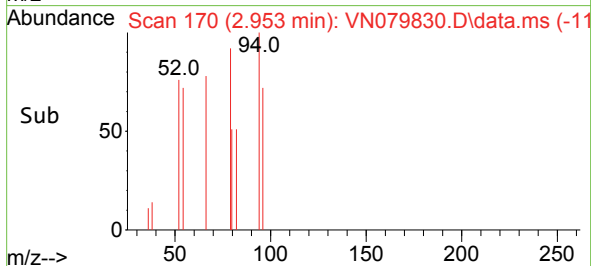
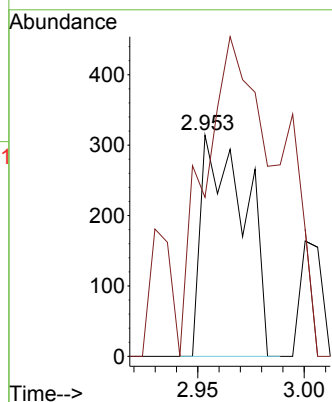
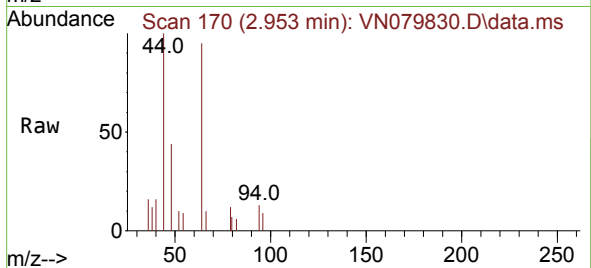




#5
Bromomethane
Concen: 0.215 ug/l
RT: 2.953 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079830.D
Acq: 03 Nov 2023 07:08

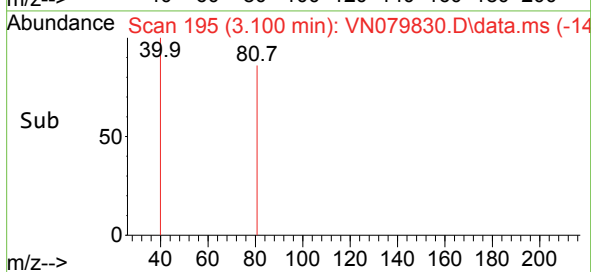
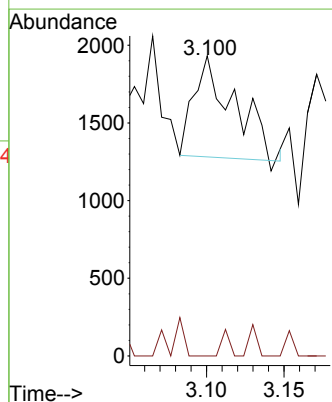
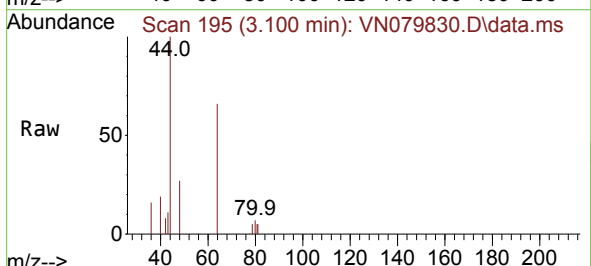
Instrument :
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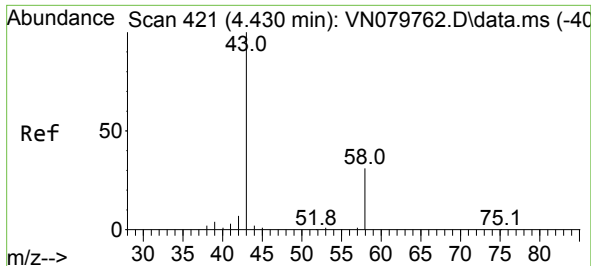
Tgt Ion: 94 Resp: 450
Ion Ratio Lower Upper
94 100
96 72.0 73.1 109.7#



#6
Chloroethane
Concen: 0.431 ug/l
RT: 3.100 min Scan# 195
Delta R.T. -0.018 min
Lab File: VN079830.D
Acq: 03 Nov 2023 07:08

Tgt Ion: 64 Resp: 1172
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

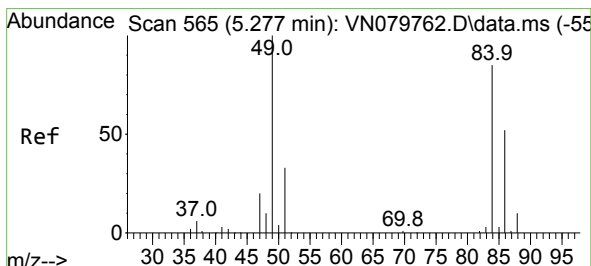
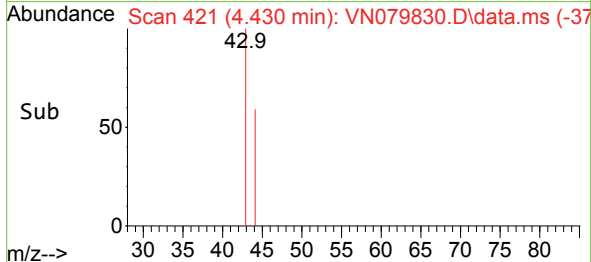
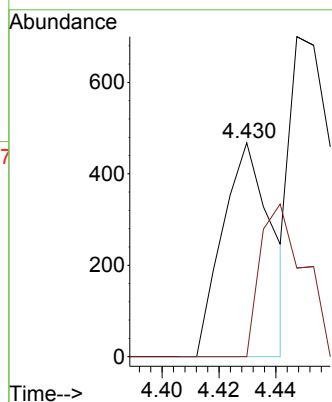
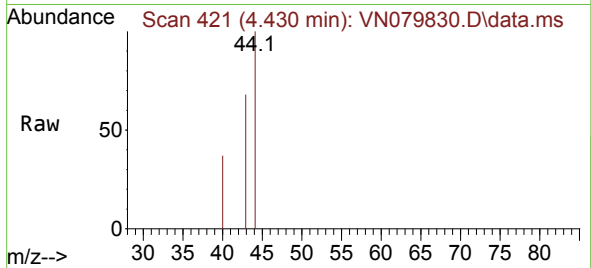




#16
Acetone
Concen: 0.479 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN079830.D
Acq: 03 Nov 2023 07:08

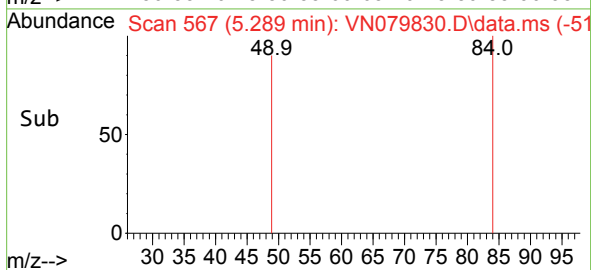
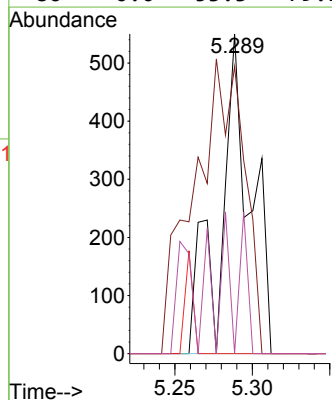
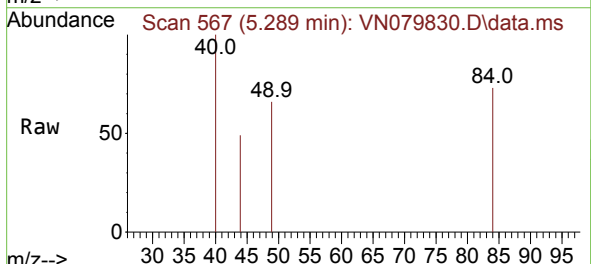
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-EVAL-04S-20231101

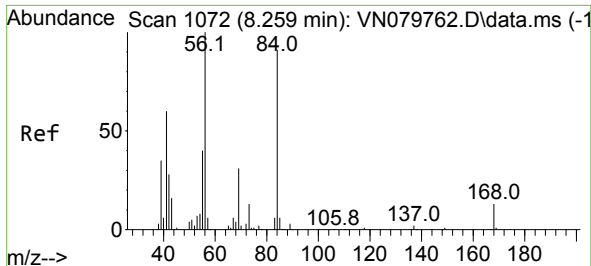
Tgt Ion: 43 Resp: 559
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#20
Methylene Chloride
Concen: 0.253 ug/l
RT: 5.289 min Scan# 567
Delta R.T. 0.018 min
Lab File: VN079830.D
Acq: 03 Nov 2023 07:08

Tgt Ion: 84 Resp: 746
Ion Ratio Lower Upper
84 100
49 89.8 79.7 119.5
51 0.0 25.2 37.8#
86 0.0 53.3 79.9#





#31

Cyclohexane

Concen: 1.313 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.035 min

Lab File: VN079830.D

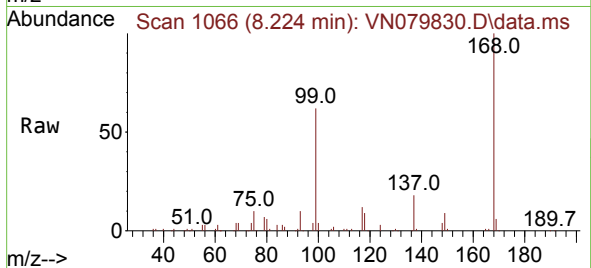
Acq: 03 Nov 2023 07:08

Instrument :

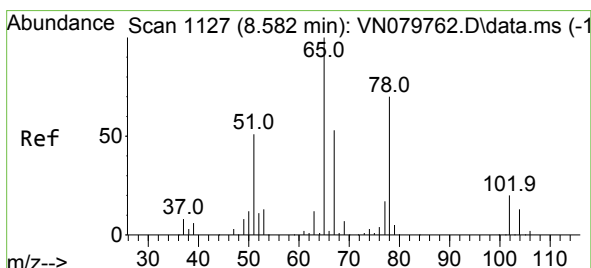
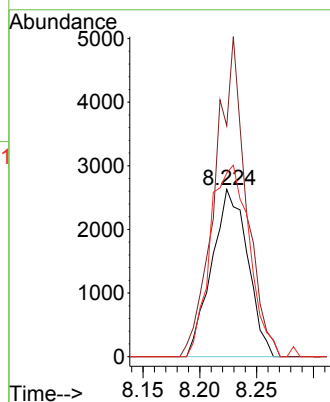
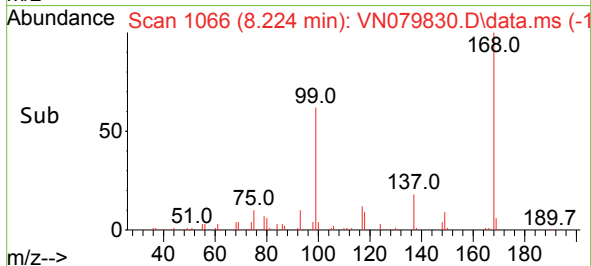
MSVOA_N

ClientSampleId :

FSND-MW-EVAL-04S-20231101



Tgt Ion:	56	Resp:	5765
Ion Ratio	100	Lower	Upper
56	100		
69	137.9	26.8	40.2#
84	109.8	81.8	122.6



#33

1,2-Dichloroethane-d4

Concen: 60.381 ug/l

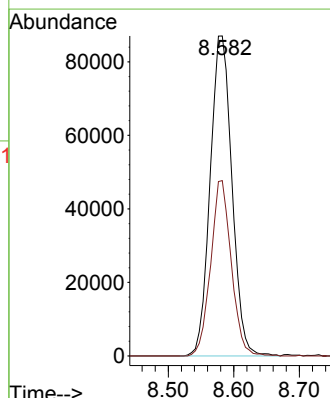
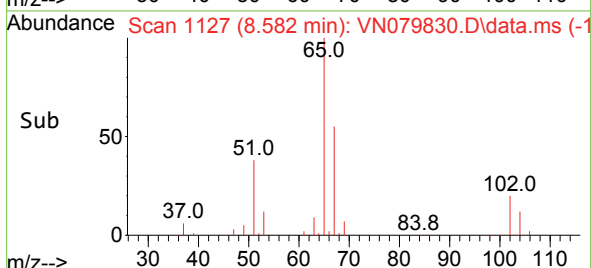
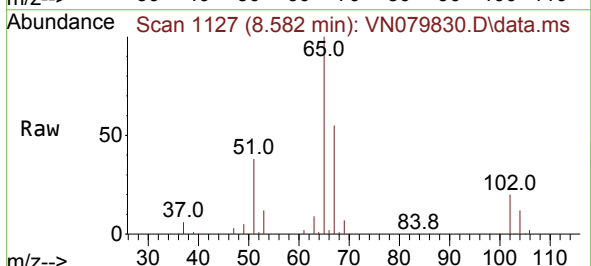
RT: 8.582 min Scan# 1127

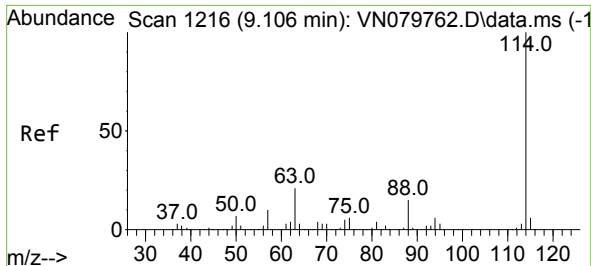
Delta R.T. 0.000 min

Lab File: VN079830.D

Acq: 03 Nov 2023 07:08

Tgt Ion:	65	Resp:	200708
Ion Ratio	100	Lower	Upper
65	100		
67	51.9	0.0	106.6

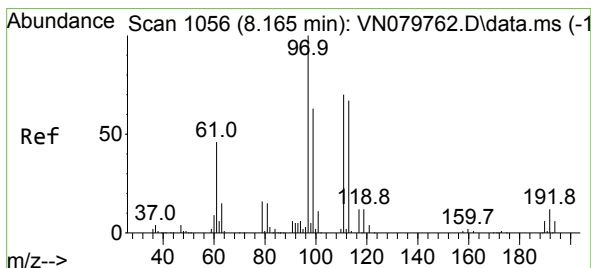
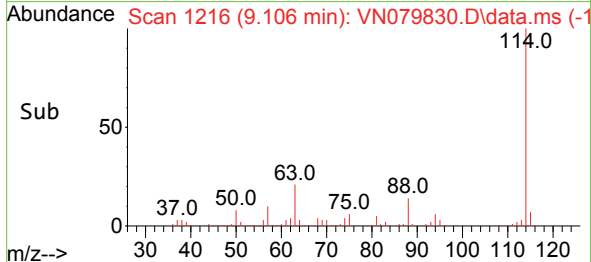
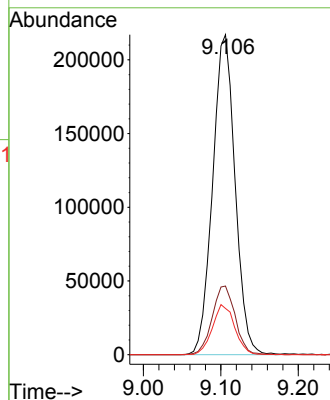
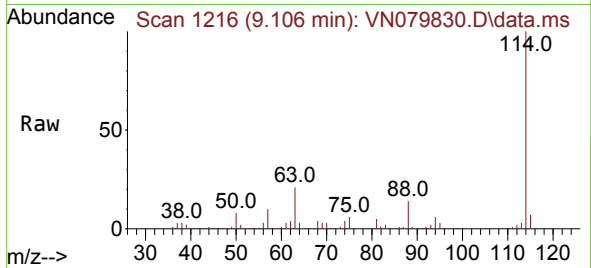




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079830.D
Acq: 03 Nov 2023 07:08

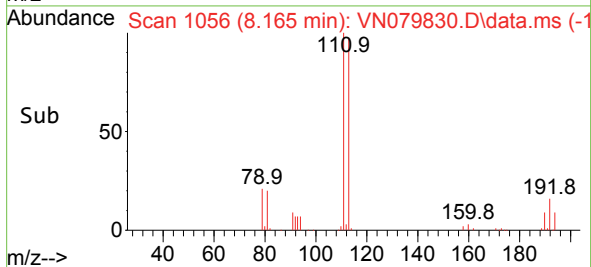
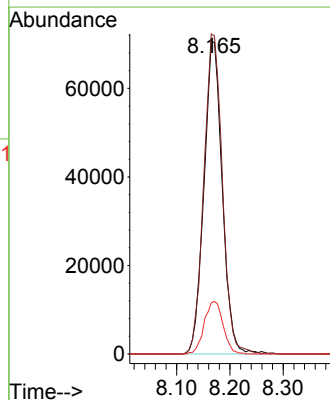
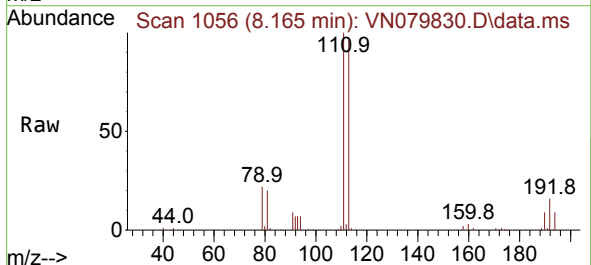
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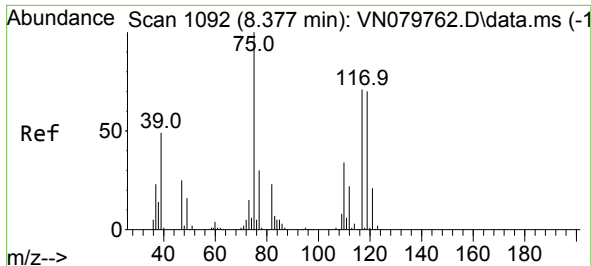
Tgt Ion:114 Resp: 437333
Ion Ratio Lower Upper
114 100
63 21.4 0.0 36.4
88 14.4 0.0 30.6



#35
Dibromofluoromethane
Concen: 54.485 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN079830.D
Acq: 03 Nov 2023 07:08

Tgt Ion:113 Resp: 168646
Ion Ratio Lower Upper
113 100
111 103.5 82.6 123.8
192 17.3 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.704 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

Lab File: VN079830.D

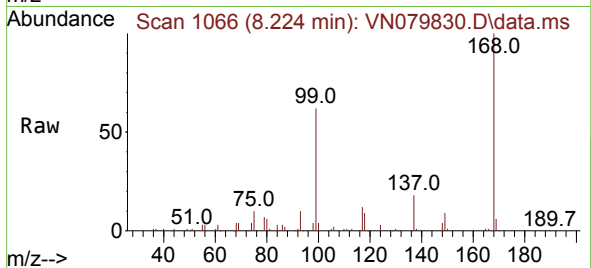
Acq: 03 Nov 2023 07:08

Instrument :

MSVOA_N

ClientSampleId :

FSND-MW-EVAL-04S-20231101



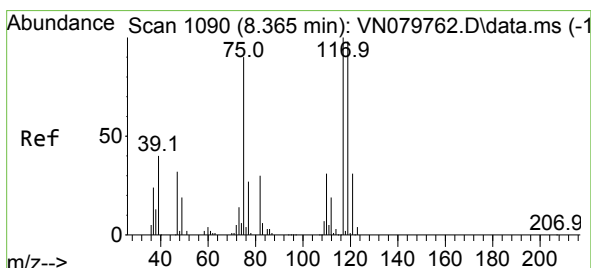
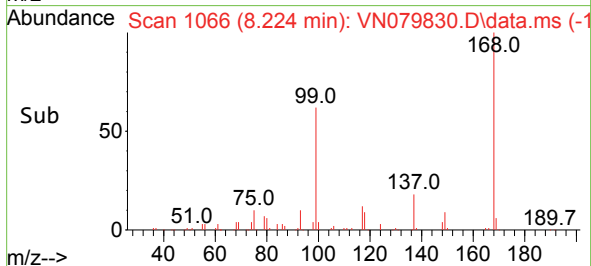
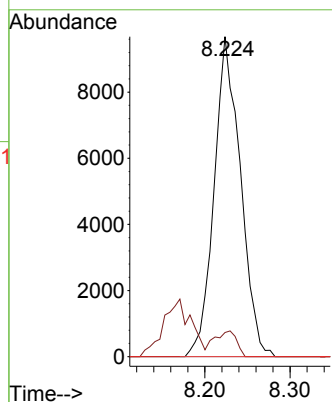
Tgt Ion: 75 Resp: 20791

Ion Ratio Lower Upper

75 100

110 6.8 19.1 57.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.381 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN079830.D

Acq: 03 Nov 2023 07:08

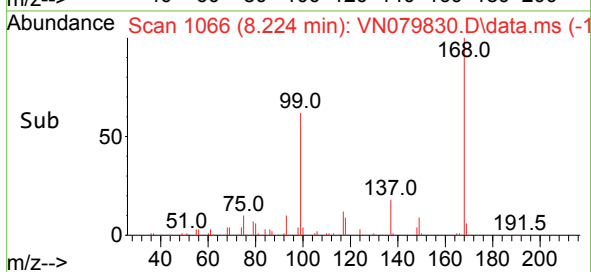
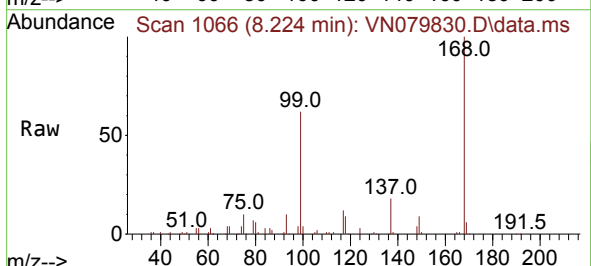
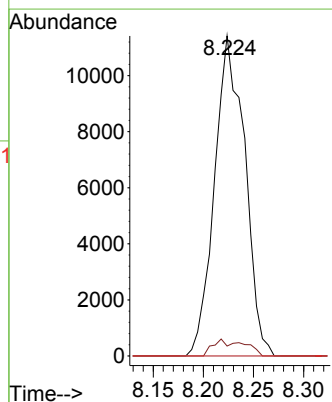
Tgt Ion: 117 Resp: 23967

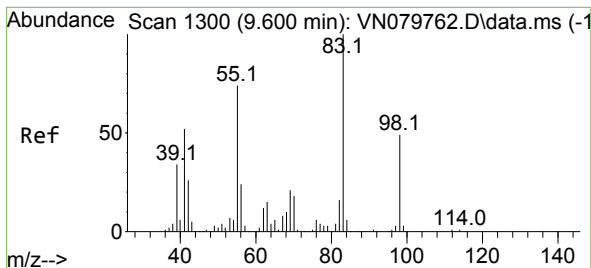
Ion Ratio Lower Upper

117 100

119 3.1 77.3 115.9#

121 0.0 23.3 34.9#





#39

Methylcyclohexane

Concen: 1.219 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. -0.253 min

Lab File: VN079830.D

Acq: 03 Nov 2023 07:08

Instrument :

MSVOA_N

ClientSampleId :

FSND-MW-EVAL-04S-20231101

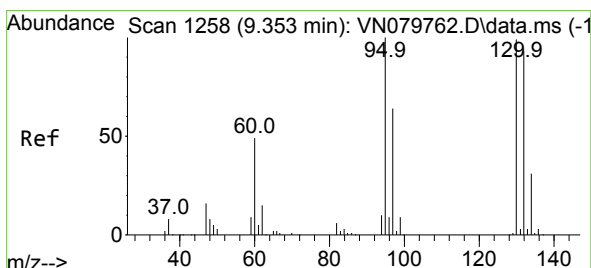
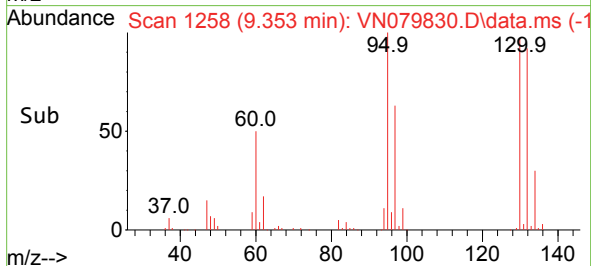
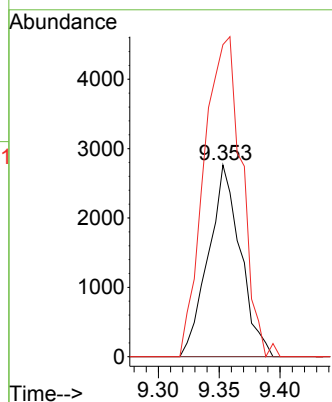
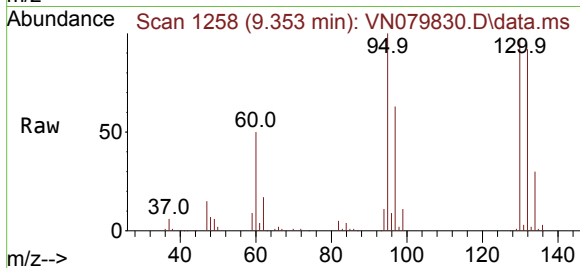
Tgt Ion: 83 Resp: 5068

Ion Ratio Lower Upper

83 100

55 0.0 49.1 73.7#

98 162.8 40.6 61.0#



#44

Trichloroethene

Concen: 114.639 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VN079830.D

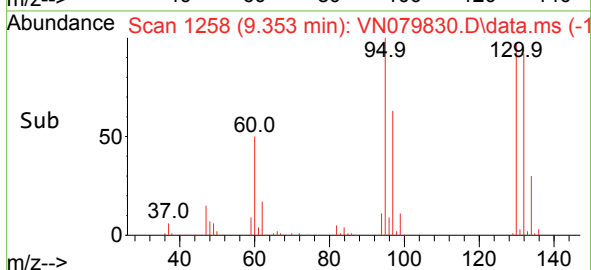
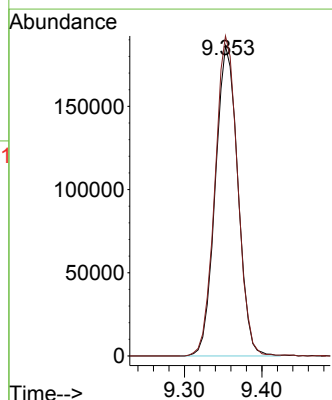
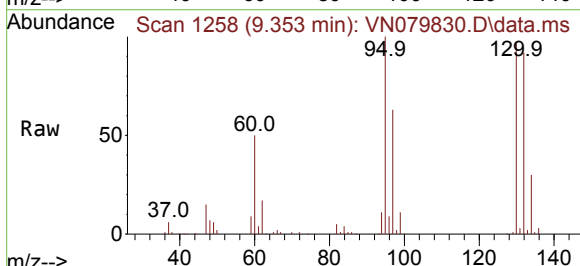
Acq: 03 Nov 2023 07:08

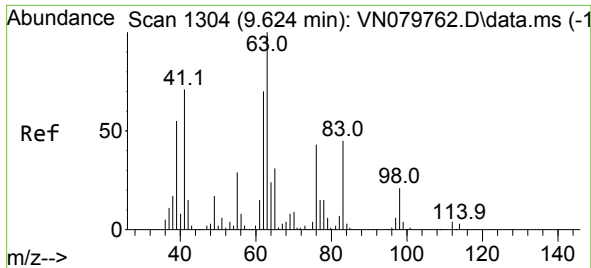
Tgt Ion:130 Resp: 376554

Ion Ratio Lower Upper

130 100

95 103.2 0.0 204.6

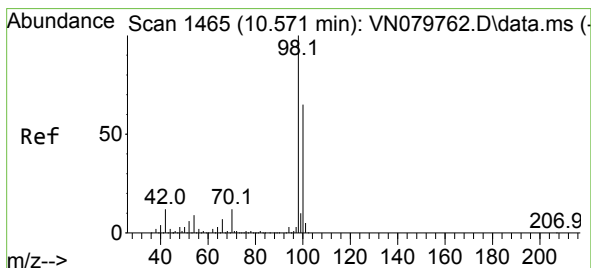
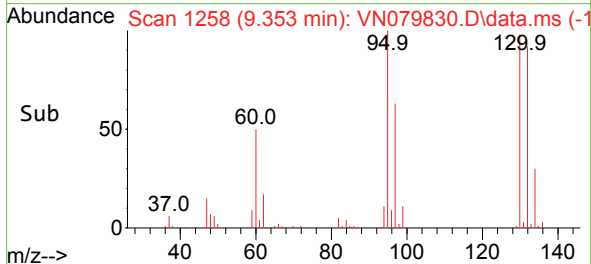
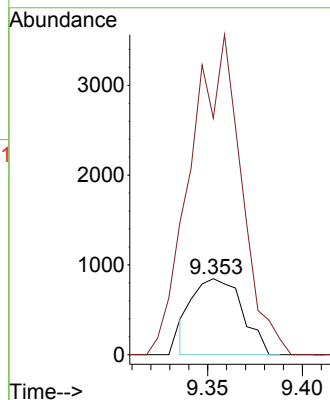
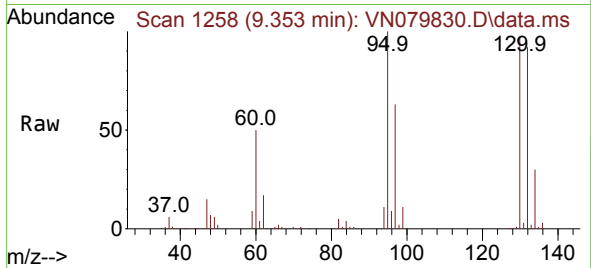




#45
1,2-Dichloropropane
Concen: 0.456 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. -0.271 min
Lab File: VN079830.D
Acq: 03 Nov 2023 07:08

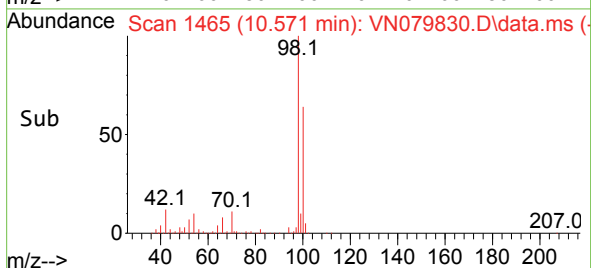
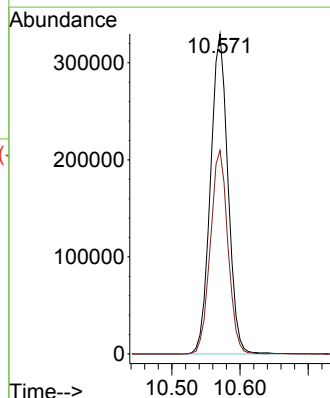
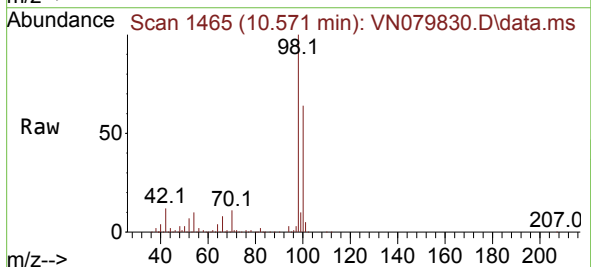
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-EVAL-04S-20231101

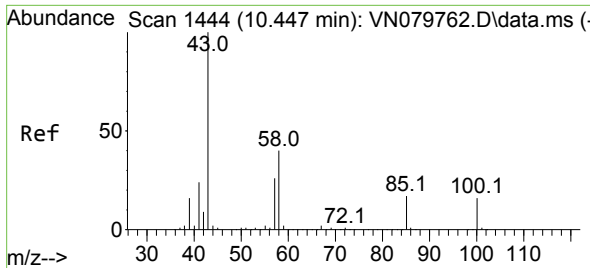
Tgt Ion: 63 Resp: 1542
Ion Ratio Lower Upper
63 100
65 291.3 23.9 35.9#



#50
Toluene-d8
Concen: 51.630 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079830.D
Acq: 03 Nov 2023 07:08

Tgt Ion: 98 Resp: 588311
Ion Ratio Lower Upper
98 100
100 63.9 52.0 78.0

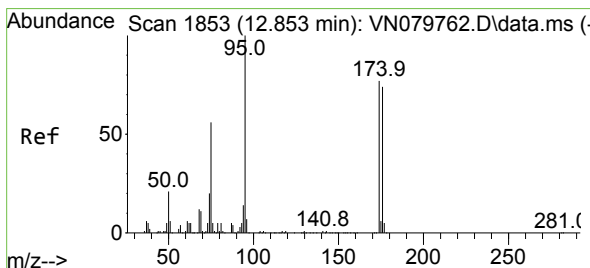
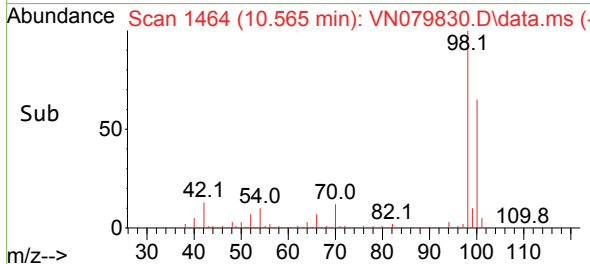
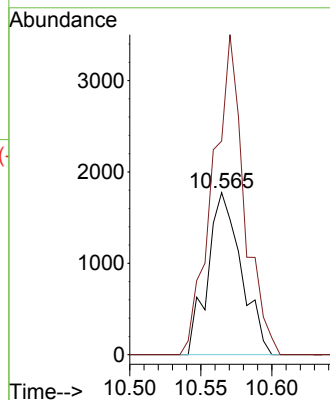
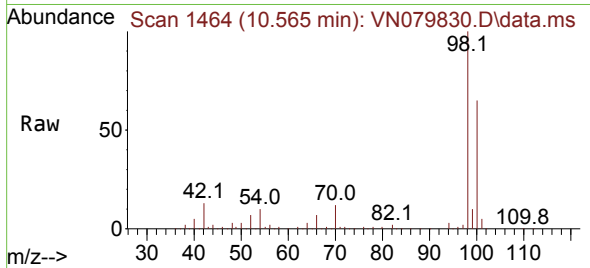




#51
4-Methyl-2-Pentanone
Concen: 0.726 ug/l
RT: 10.565 min Scan# 1444
Delta R.T. 0.118 min
Lab File: VN079830.D
Acq: 03 Nov 2023 07:08

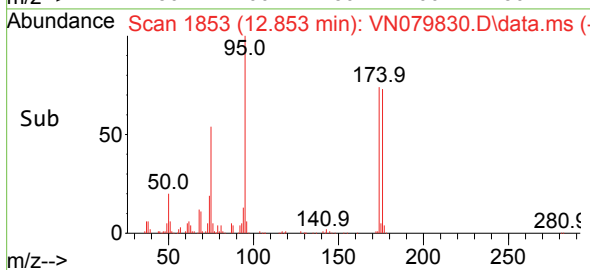
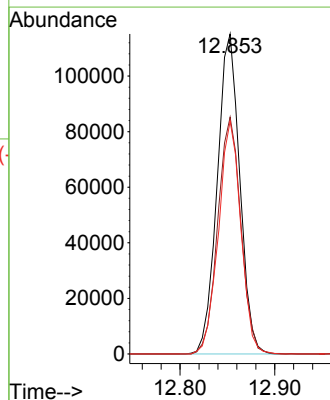
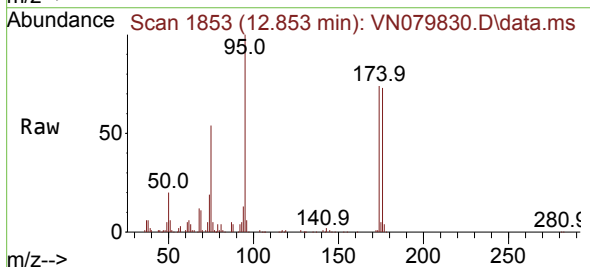
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-EVAL-04S-20231101

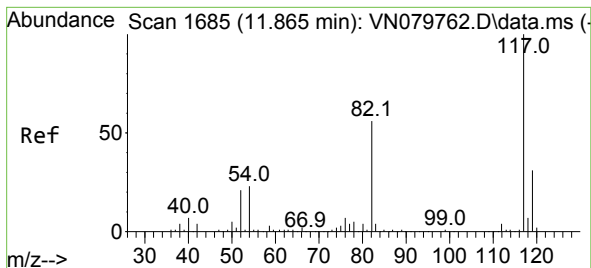
Tgt Ion: 43 Resp: 2906
Ion Ratio Lower Upper
43 100
58 186.8 36.6 54.8#



#62
4-Bromofluorobenzene
Concen: 50.367 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079830.D
Acq: 03 Nov 2023 07:08

Tgt Ion: 95 Resp: 190340
Ion Ratio Lower Upper
95 100
174 75.8 0.0 143.8
176 72.1 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.870 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN079830.D

Acq: 03 Nov 2023 07:08

Instrument :

MSVOA_N

ClientSampleId :

FSND-MW-EVAL-04S-20231101

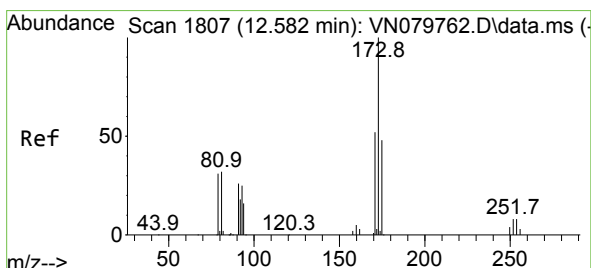
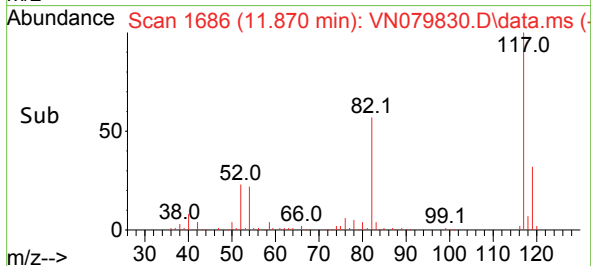
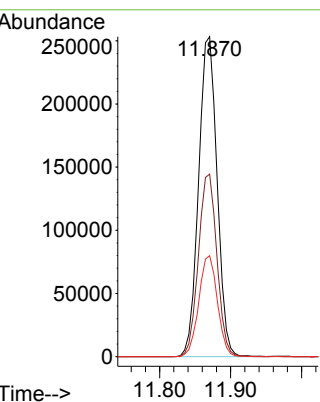
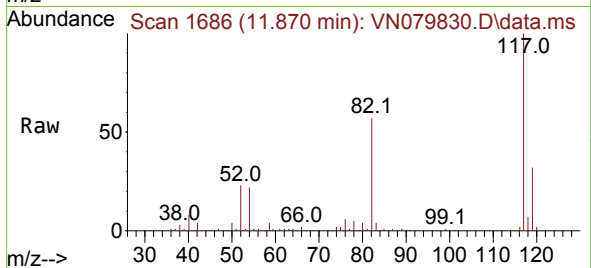
Tgt Ion:117 Resp: 456808

Ion Ratio Lower Upper

117 100

82 57.0 44.0 66.0

119 31.5 25.6 38.4



#71

Bromoform

Concen: 0.562 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.265 min

Lab File: VN079830.D

Acq: 03 Nov 2023 07:08

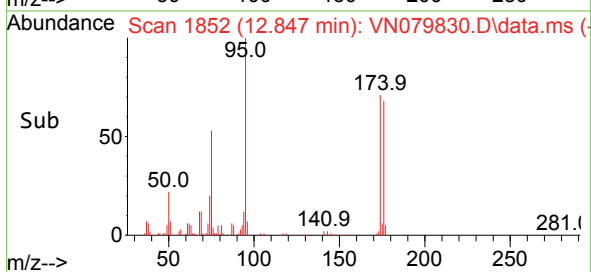
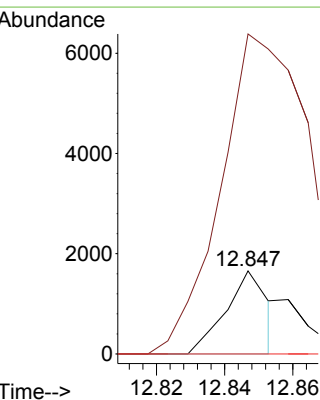
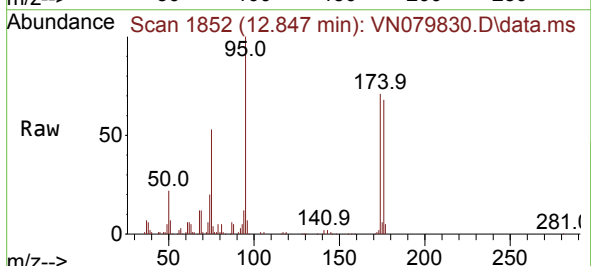
Tgt Ion:173 Resp: 1425

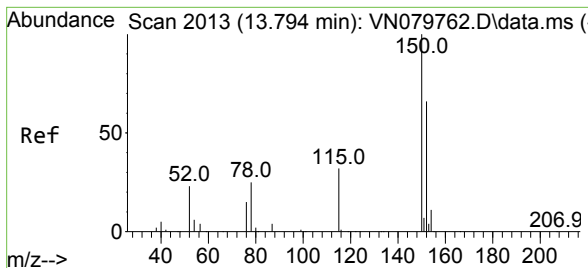
Ion Ratio Lower Upper

173 100

175 631.8 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: VN079830.D

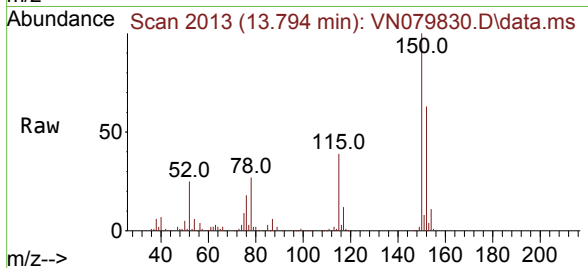
Acq: 03 Nov 2023 07:08

Instrument :

MSVOA_N

ClientSampleId :

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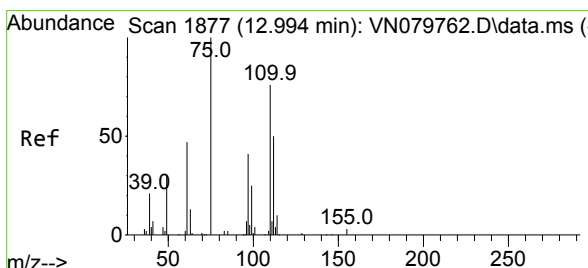
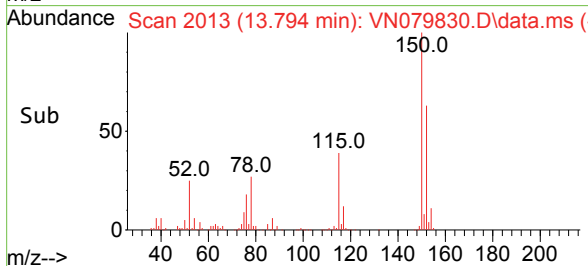
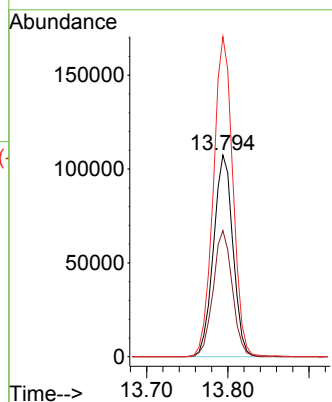
Tgt Ion:152 Resp: 178550

Ion Ratio Lower Upper

152 100

115 61.6 32.3 96.8

150 159.0 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 25.080 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN079830.D

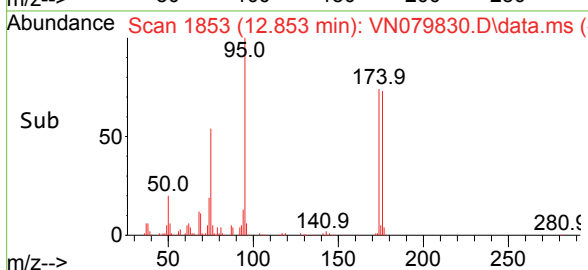
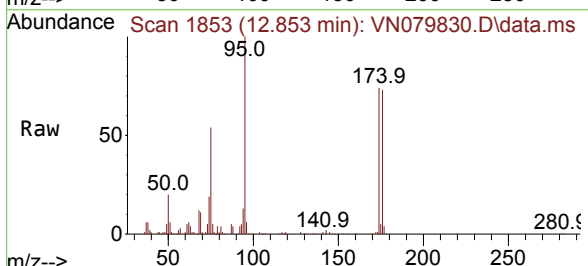
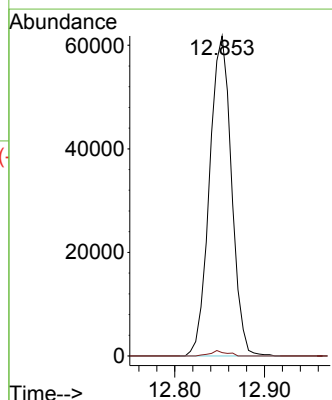
Acq: 03 Nov 2023 07:08

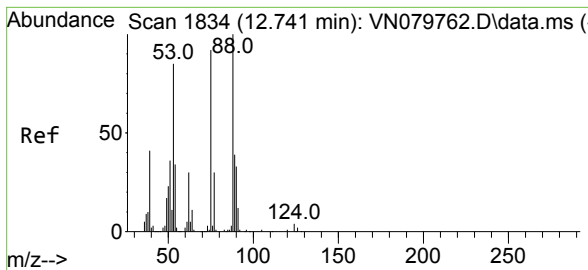
Tgt Ion: 75 Resp: 105132

Ion Ratio Lower Upper

75 100

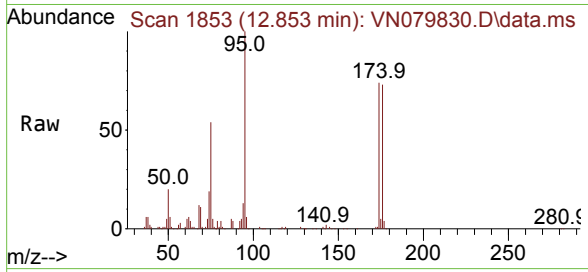
77 1.3 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.237 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN079830.D
 Acq: 03 Nov 2023 07:08

Instrument :
 MSVOA_N
 ClientSampleId :
 FSND-MW-EVAL-04S-20231101



Tgt Ion: 75 Resp: 105132
 Ion Ratio Lower Upper
 75 100
 53 0.1 67.4 101.2#
 89 0.0 38.8 58.2#

