

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110223\
 Data File : VN079824.D
 Acq On : 03 Nov 2023 04:46
 Operator : JC\MD
 Sample : 05222-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FSND-MW-EVAL-02S-20231101

Quant Time: Nov 03 05:40:44 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)

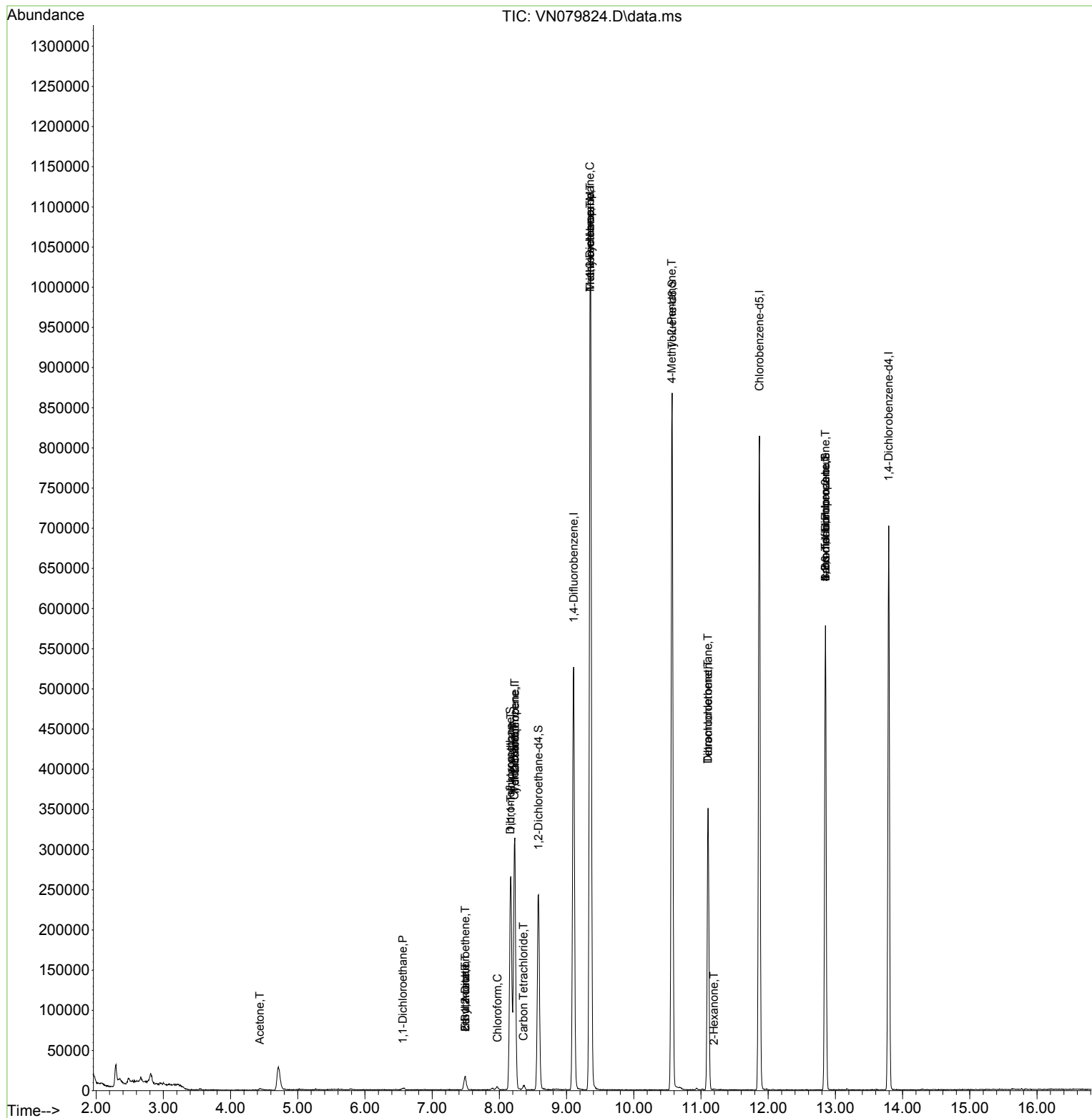
Internal Standards						
1) Pentafluorobenzene	8.230	168	219563	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	437027	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	456964	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	178385	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	200661	59.986	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 119.980%	
35) Dibromofluoromethane	8.165	113	165146	53.392	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.780%	
50) Toluene-d8	10.571	98	584154	51.301	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.600%	
62) 4-Bromofluorobenzene	12.853	95	189050	50.060	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 100.120%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	1596	Below Cal		96
16) Acetone	4.436	43	3675	3.128 ug/l	#	78
24) 1,1-Dichloroethane	6.565	63	1927	0.378 ug/l	#	81
25) 2-Butanone	7.494	43	3705	2.153 ug/l		88
27) cis-1,2-Dichloroethene	7.494	96	8048	2.553 ug/l		89
30) Chloroform	7.971	83	3212	0.580 ug/l	#	79
31) Cyclohexane	8.224	56	6060	1.371 ug/l	#	53
32) 1,1,1-Trichloroethane	8.171	97	28308	6.273 ug/l		93
36) 1,1-Dichloropropene	8.230	75	19759	4.474 ug/l	#	44
37) Ethyl Acetate	7.494	43	3705	0.915 ug/l	#	1
38) Carbon Tetrachloride	8.359	117	4085	0.918 ug/l		94
39) Methylcyclohexane	9.353	83	5552	1.336 ug/l	#	1
44) Trichloroethene	9.353	130	384532	117.149 ug/l		96
45) 1,2-Dichloropropane	9.347	63	1521	0.450 ug/l	#	1
51) 4-Methyl-2-Pentanone	10.565	43	2571	0.643 ug/l	#	1
59) 2-Hexanone	11.194	43	722	0.236 ug/l	#	29
60) Dibromochloromethane	11.106	129	74128	21.956 ug/l	#	11
64) Tetrachloroethene	11.106	164	77068	26.040 ug/l		95
71) Bromoform	12.853	173	1868	0.737 ug/l	#	1
76) 1,2,3-Trichloropropane	12.853	75	105079	25.091 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.853	75	105079	68.266 ug/l	#	15

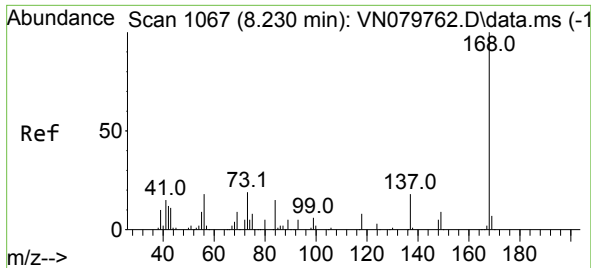
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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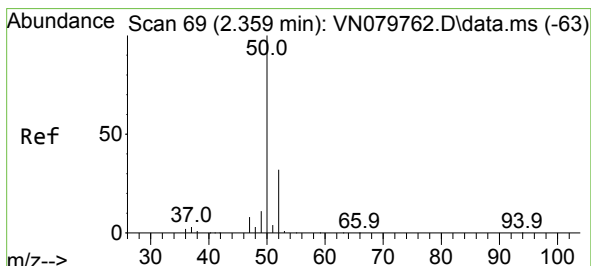
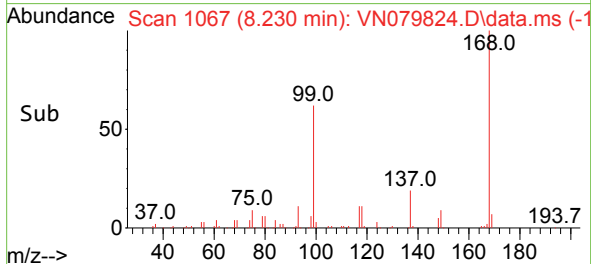
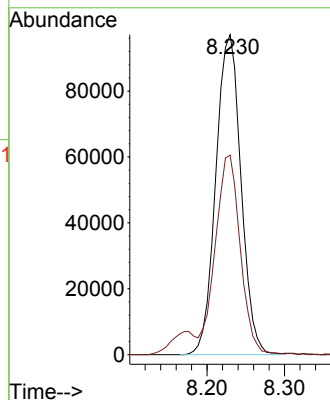
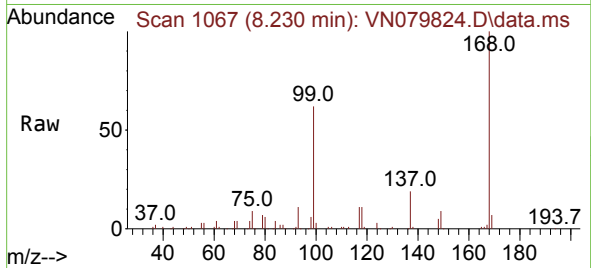




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. 0.001 min
Lab File: VN079824.D
Acq: 03 Nov 2023 04:46

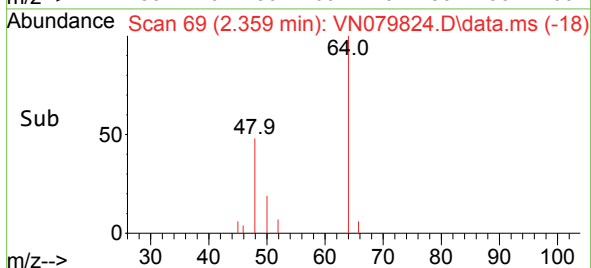
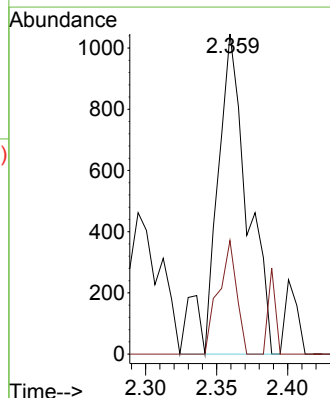
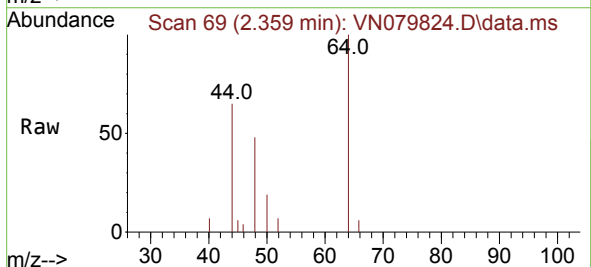
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-EVAL-02S-20231101

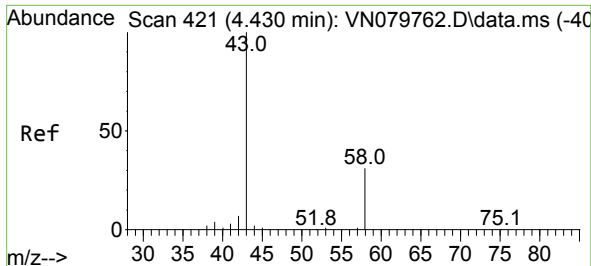
Tgt Ion:168 Resp: 219563
Ion Ratio Lower Upper
168 100
99 62.0 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN079824.D
Acq: 03 Nov 2023 04:46

Tgt Ion: 50 Resp: 1596
Ion Ratio Lower Upper
50 100
52 35.5 26.5 39.7

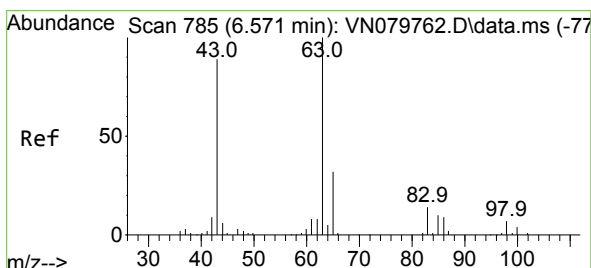
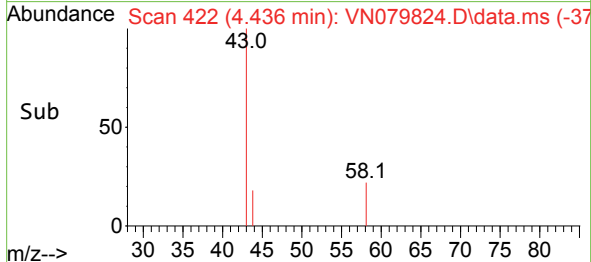
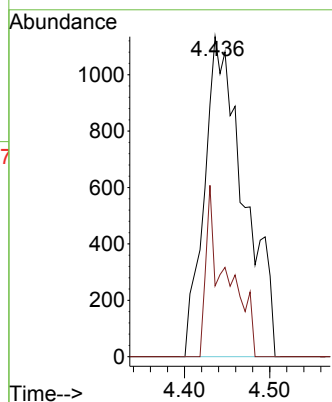
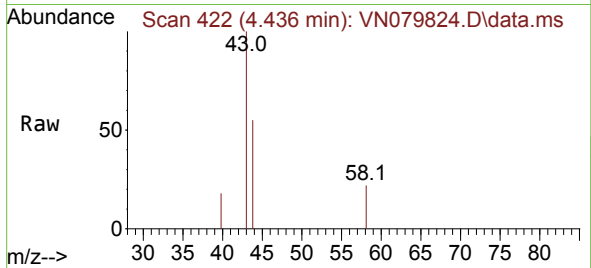




#16
Acetone
Concen: 3.128 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN079824.D
Acq: 03 Nov 2023 04:46

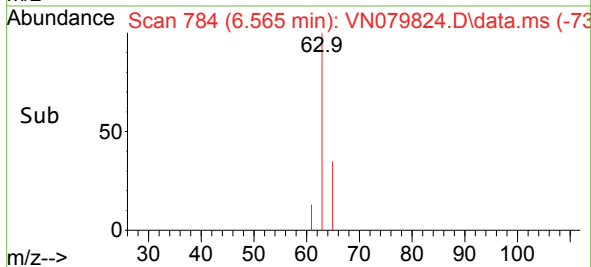
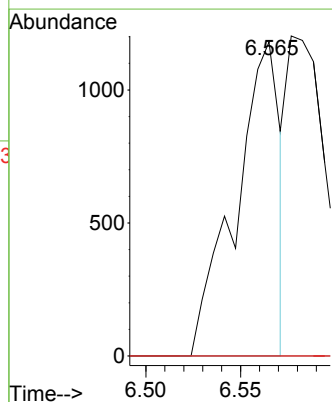
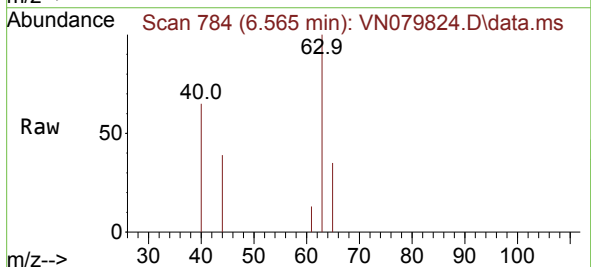
Instrument :
MSVOA_N
ClientSampleId :
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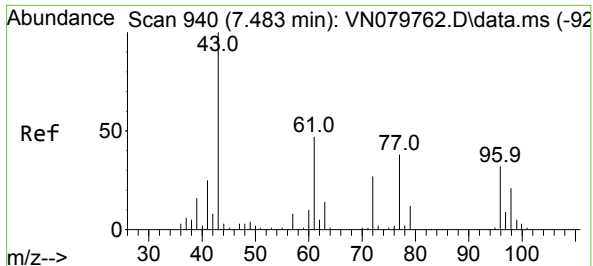
Tgt Ion: 43 Resp: 3675
Ion Ratio Lower Upper
43 100
58 22.1 28.0 42.0#



#24
1,1-Dichloroethane
Concen: 0.378 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN079824.D
Acq: 03 Nov 2023 04:46

Tgt Ion: 63 Resp: 1927
Ion Ratio Lower Upper
63 100
98 0.0 3.9 11.7#
100 0.0 2.5 7.4#





#25

2-Butanone

Concen: 2.153 ug/l

RT: 7.494 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN079824.D

Acq: 03 Nov 2023 04:46

Instrument :

MSVOA_N

ClientSampleId :

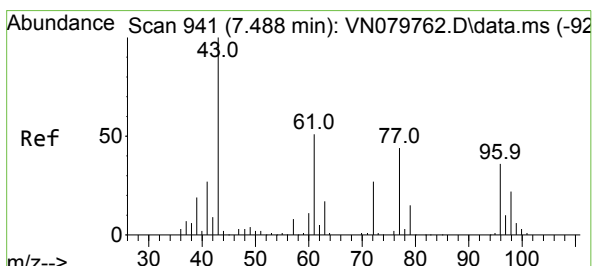
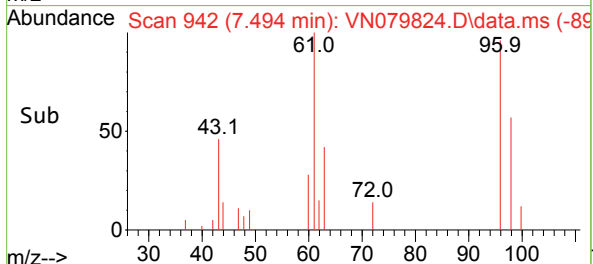
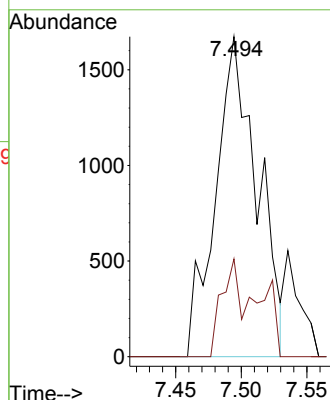
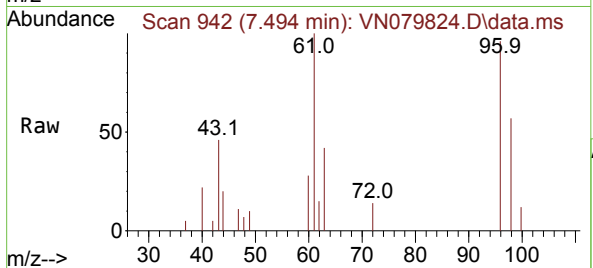
FSND-MW-EVAL-02S-20231101

Tgt Ion: 43 Resp: 3705

Ion Ratio Lower Upper

43 100

72 30.5 30.2 45.2



#27

cis-1,2-Dichloroethene

Concen: 2.553 ug/l

RT: 7.494 min Scan# 942

Delta R.T. 0.006 min

Lab File: VN079824.D

Acq: 03 Nov 2023 04:46

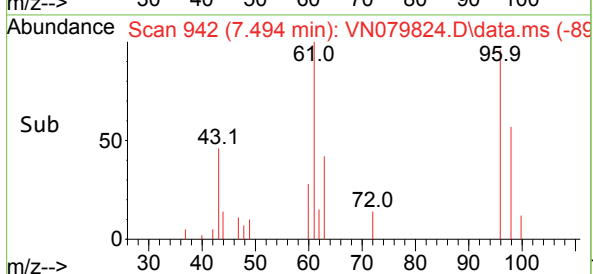
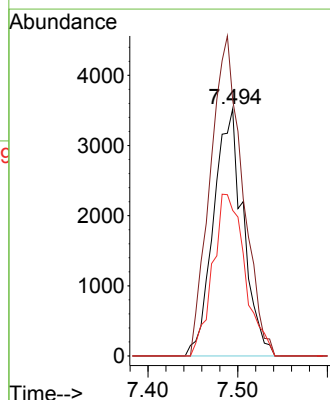
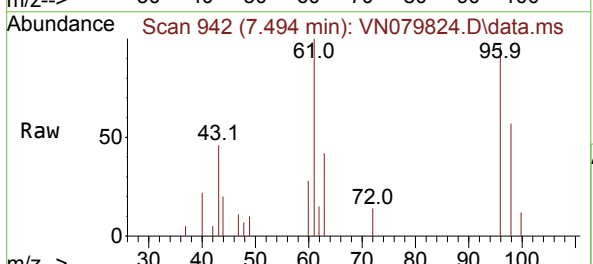
Tgt Ion: 96 Resp: 8048

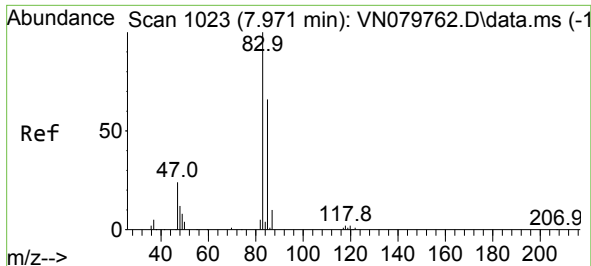
Ion Ratio Lower Upper

96 100

61 141.6 0.0 255.2

98 71.3 0.0 128.8

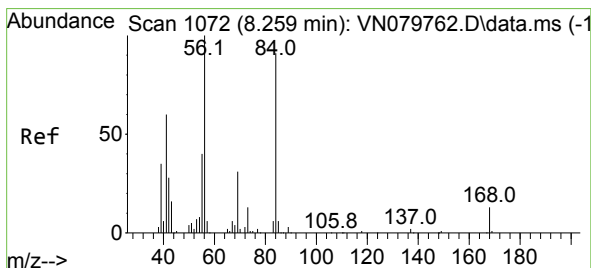
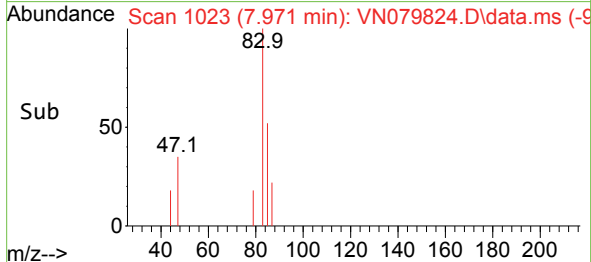
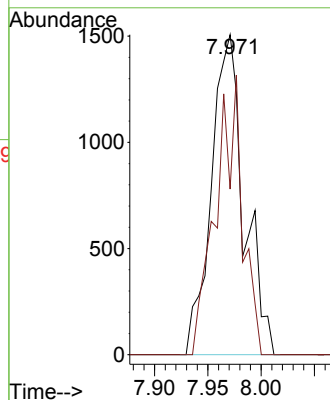
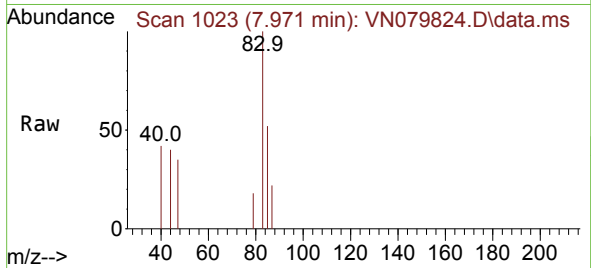




#30
Chloroform
Concen: 0.580 ug/l
RT: 7.971 min Scan# 1066
Delta R.T. 0.000 min
Lab File: VN079824.D
Acq: 03 Nov 2023 04:46

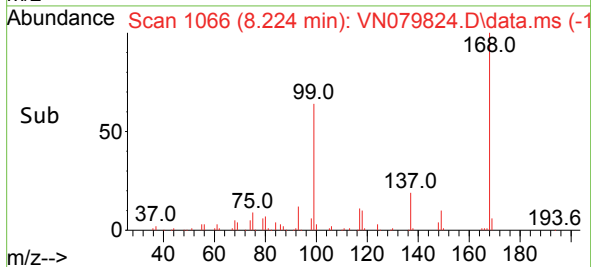
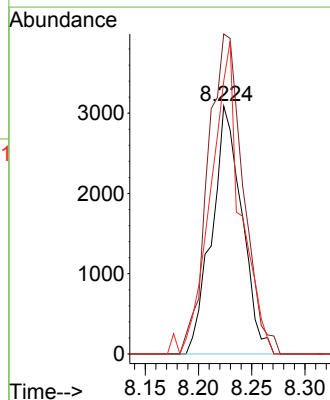
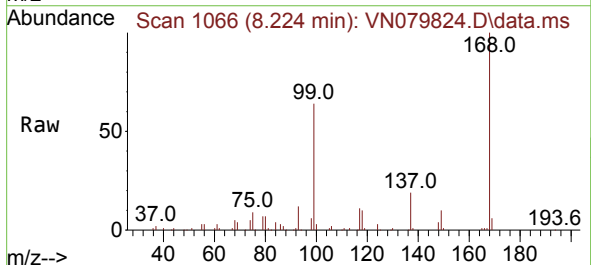
Instrument :
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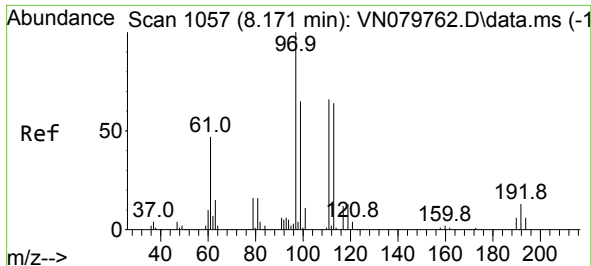
Tgt Ion: 83 Resp: 3212
Ion Ratio Lower Upper
83 100
85 51.8 55.4 83.0#



#31
Cyclohexane
Concen: 1.371 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN079824.D
Acq: 03 Nov 2023 04:46

Tgt Ion: 56 Resp: 6060
Ion Ratio Lower Upper
56 100
69 129.1 26.8 40.2#
84 110.0 81.8 122.6

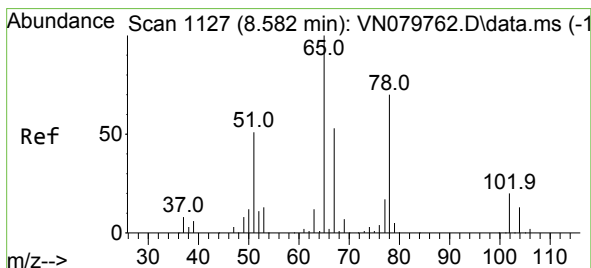
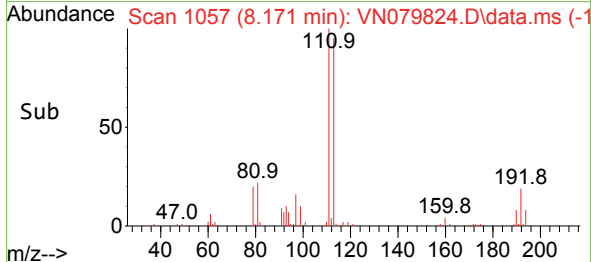
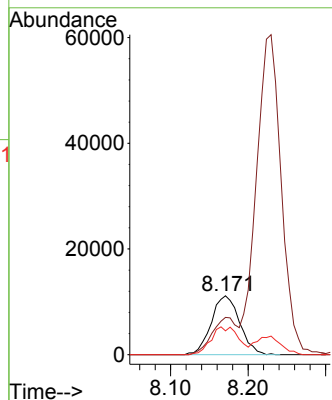
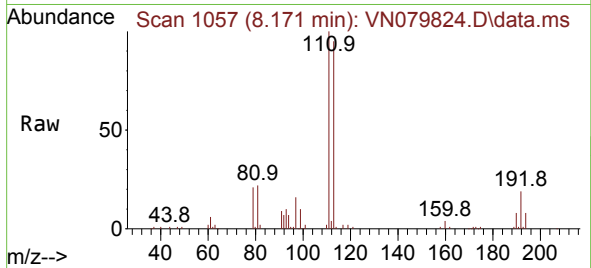




#32
1,1,1-Trichloroethane
Concen: 6.273 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN079824.D
Acq: 03 Nov 2023 04:46

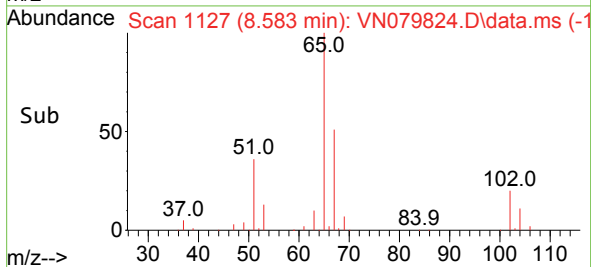
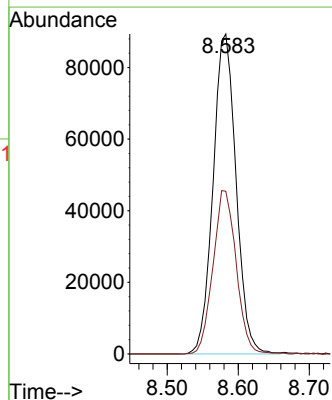
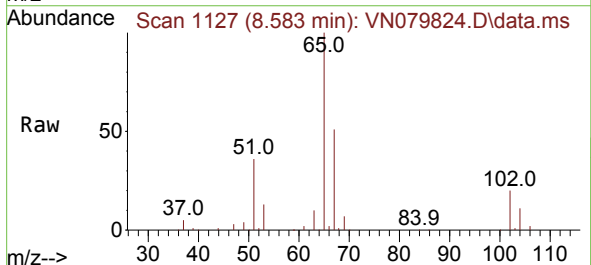
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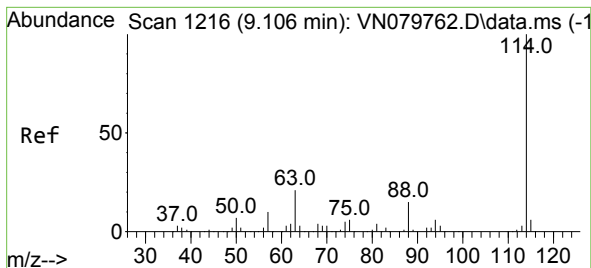
Tgt Ion: 97 Resp: 28308
Ion Ratio Lower Upper
97 100
99 56.5 50.3 75.5
61 46.1 34.7 52.1



#33
1,2-Dichloroethane-d4
Concen: 59.986 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN079824.D
Acq: 03 Nov 2023 04:46

Tgt Ion: 65 Resp: 200661
Ion Ratio Lower Upper
65 100
67 51.5 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN079824.D

Acq: 03 Nov 2023 04:46

Instrument :

MSVOA_N

ClientSampleId :

FSND-MW-EVAL-02S-20231101

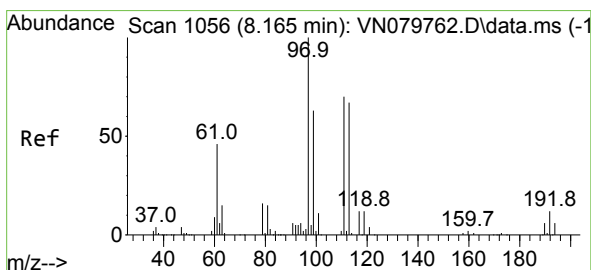
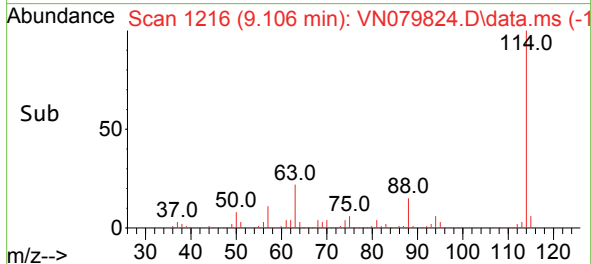
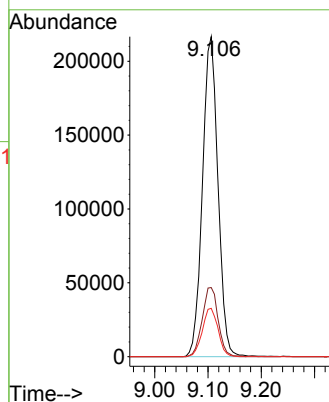
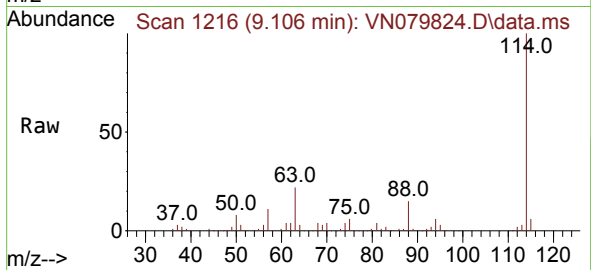
Tgt Ion:114 Resp: 437027

Ion Ratio Lower Upper

114 100

63 21.6 0.0 36.4

88 15.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 53.392 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VN079824.D

Acq: 03 Nov 2023 04:46

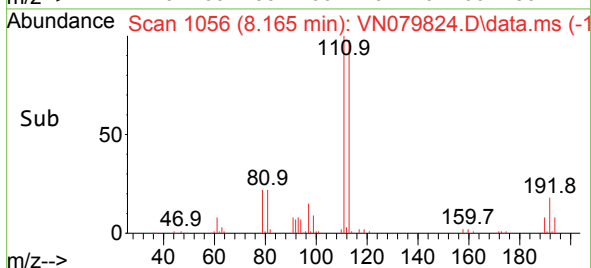
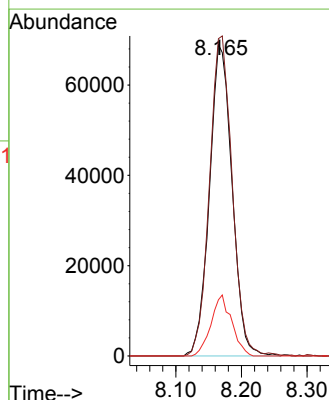
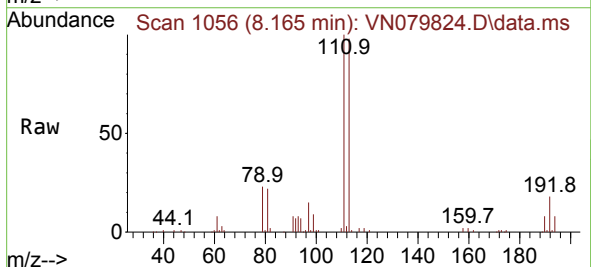
Tgt Ion:113 Resp: 165146

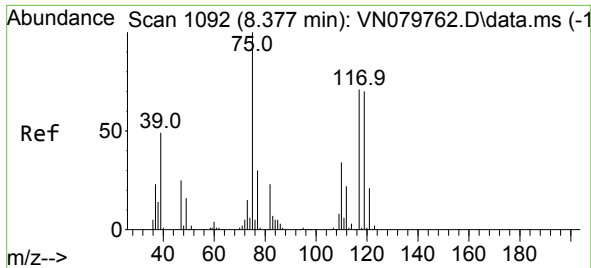
Ion Ratio Lower Upper

113 100

111 103.1 82.6 123.8

192 17.9 12.7 19.1

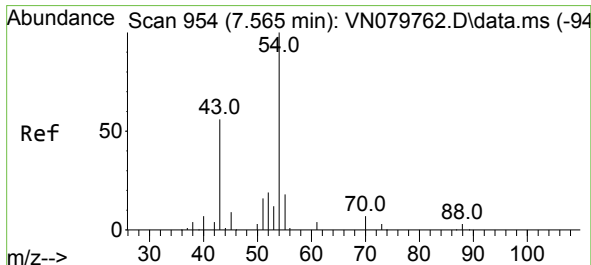
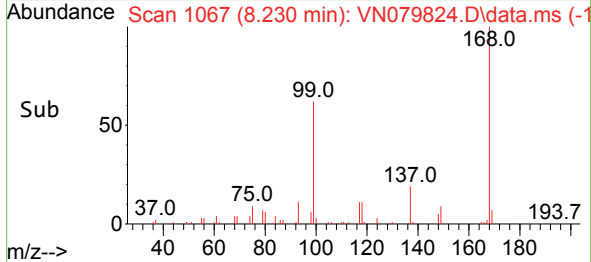
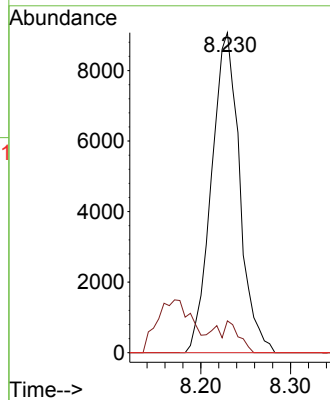
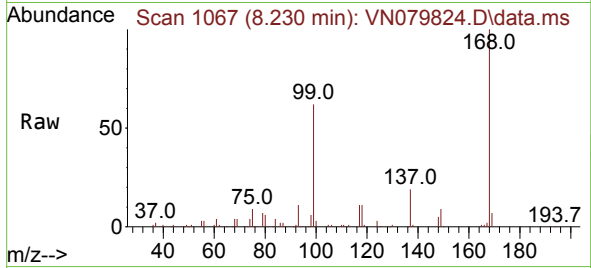




#36
 1,1-Dichloropropene
 Concen: 4.474 ug/l
 RT: 8.230 min Scan# 1092
 Delta R.T. -0.147 min
 Lab File: VN079824.D
 Acq: 03 Nov 2023 04:46

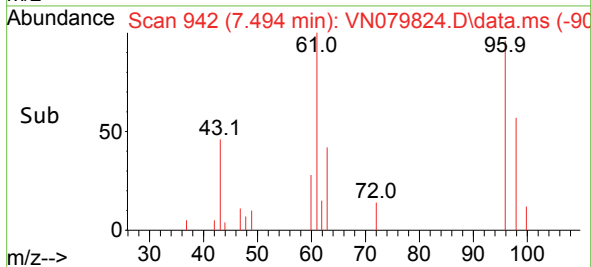
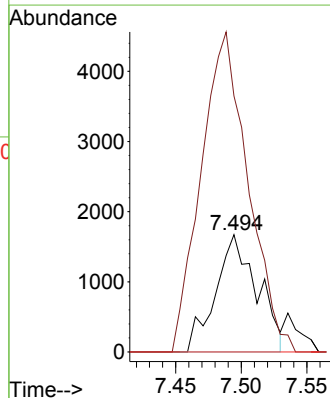
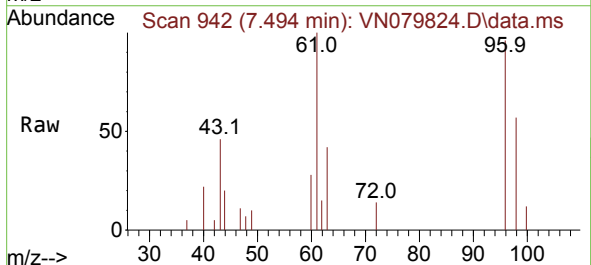
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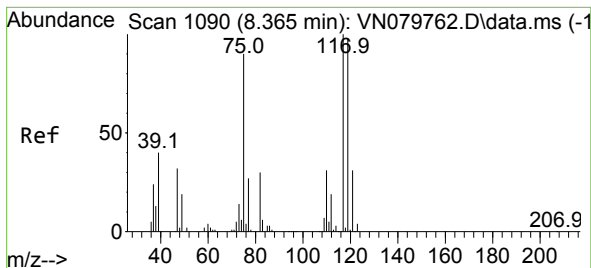
Tgt Ion: 75 Resp: 19759
 Ion Ratio Lower Upper
 75 100
 110 4.8 19.1 57.3#
 77 0.0 25.0 37.4#



#37
 Ethyl Acetate
 Concen: 0.915 ug/l
 RT: 7.494 min Scan# 942
 Delta R.T. -0.070 min
 Lab File: VN079824.D
 Acq: 03 Nov 2023 04:46

Tgt Ion: 43 Resp: 3705
 Ion Ratio Lower Upper
 43 100
 61 307.6 13.2 19.8#
 70 0.0 11.3 16.9#





#38

Carbon Tetrachloride

Concen: 0.918 ug/l

RT: 8.359 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN079824.D

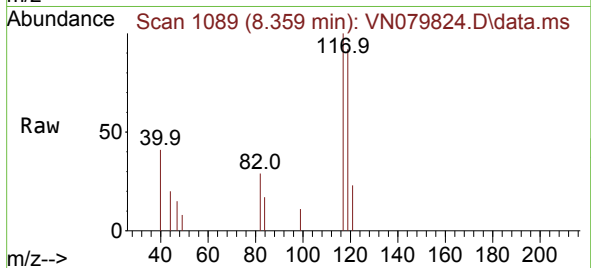
Acq: 03 Nov 2023 04:46

Instrument :

MSVOA_N

ClientSampleId :

FSND-MW-EVAL-02S-20231101



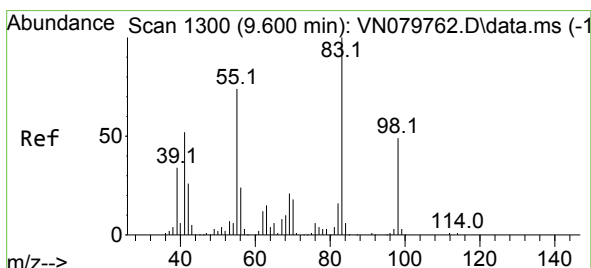
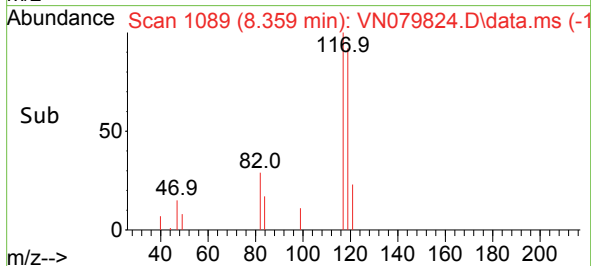
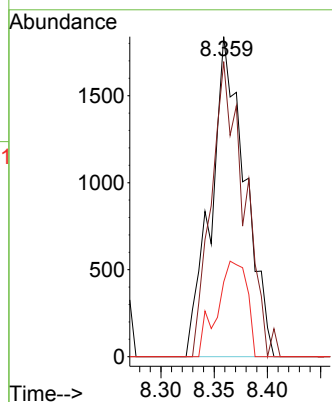
Tgt Ion:117 Resp: 4085

Ion Ratio Lower Upper

117 100

119 92.2 77.3 115.9

121 23.4 23.3 34.9



#39

Methylcyclohexane

Concen: 1.336 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. -0.253 min

Lab File: VN079824.D

Acq: 03 Nov 2023 04:46

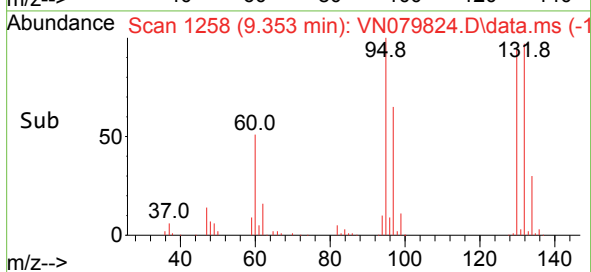
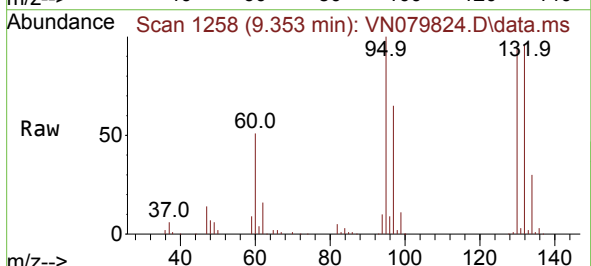
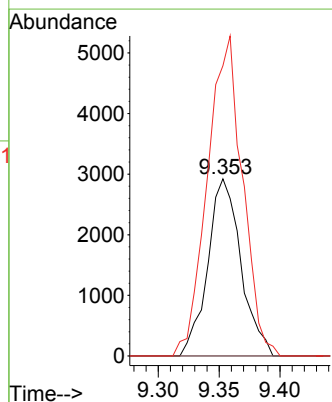
Tgt Ion: 83 Resp: 5552

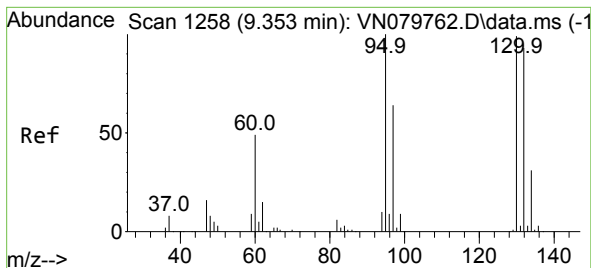
Ion Ratio Lower Upper

83 100

55 0.0 49.1 73.7#

98 163.9 40.6 61.0#





#44

Trichloroethene

Concen: 117.149 ug/l

RT: 9.353 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN079824.D

Acq: 03 Nov 2023 04:46

Instrument :

MSVOA_N

ClientSampleId :

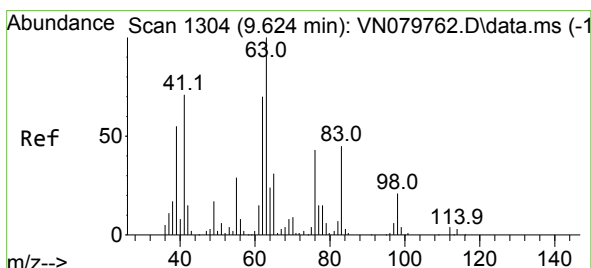
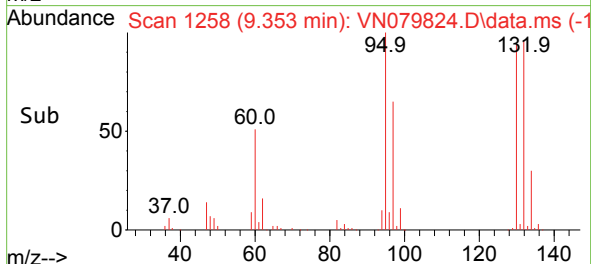
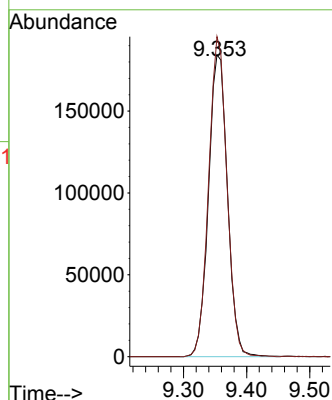
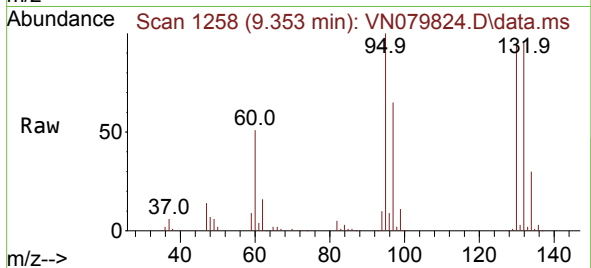
FSND-MW-EVAL-02S-20231101

Tgt Ion:130 Resp: 384532

Ion Ratio Lower Upper

130 100

95 106.0 0.0 204.6



#45

1,2-Dichloropropane

Concen: 0.450 ug/l

RT: 9.347 min Scan# 1257

Delta R.T. -0.276 min

Lab File: VN079824.D

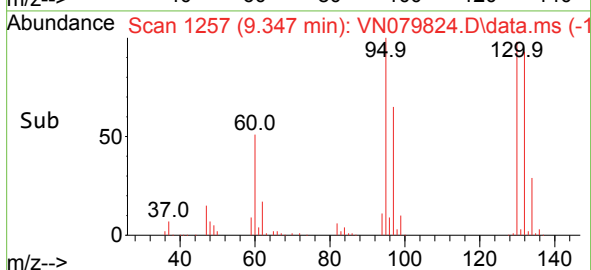
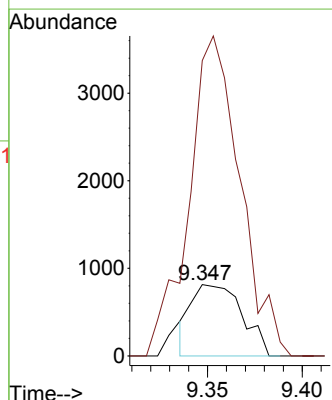
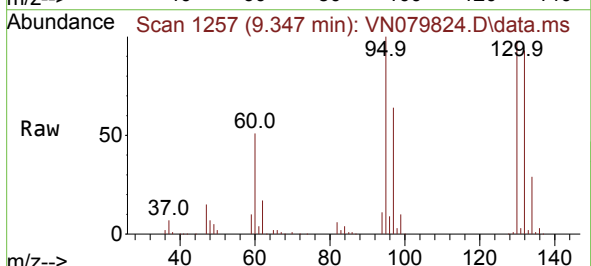
Acq: 03 Nov 2023 04:46

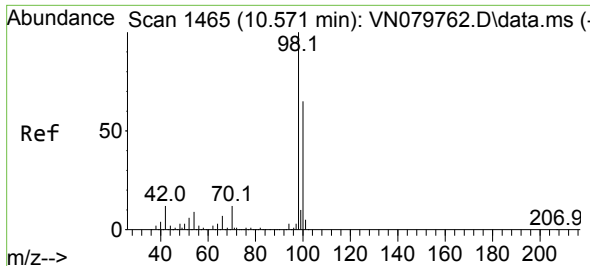
Tgt Ion: 63 Resp: 1521

Ion Ratio Lower Upper

63 100

65 394.2 23.9 35.9#

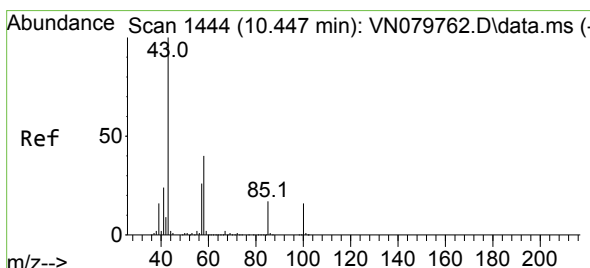
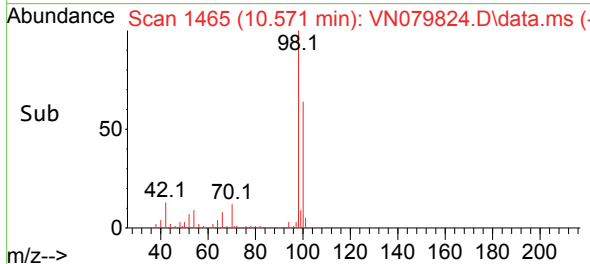
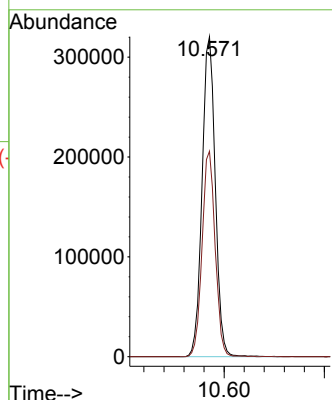
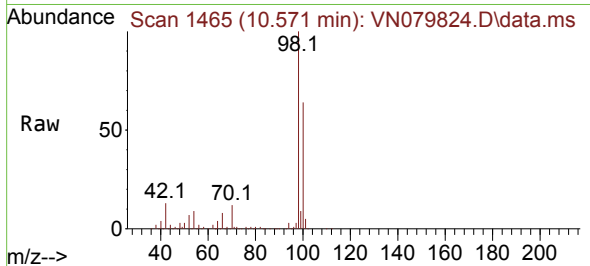




#50
Toluene-d8
Concen: 51.301 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079824.D
Acq: 03 Nov 2023 04:46

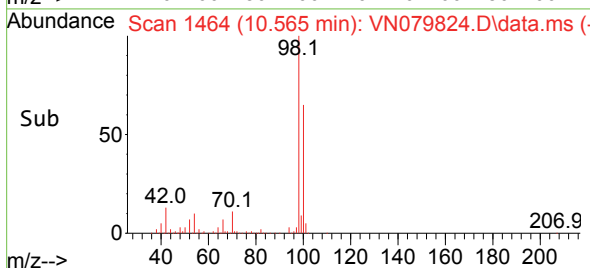
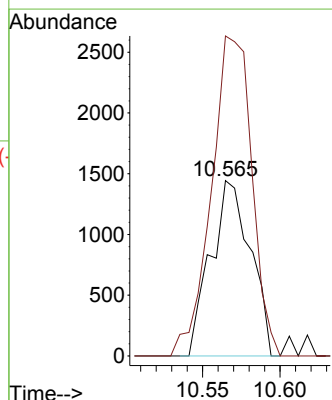
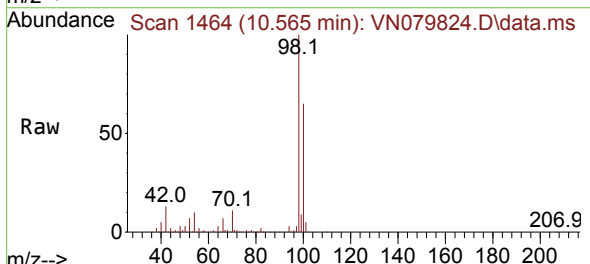
Instrument : MSVOA_N
ClientSampleId : FSND-MW-EVAL-02S-20231101

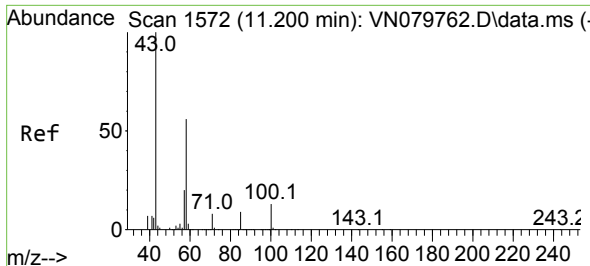
Tgt Ion: 98 Resp: 584154
Ion Ratio Lower Upper
98 100
100 63.7 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.643 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.118 min
Lab File: VN079824.D
Acq: 03 Nov 2023 04:46

Tgt Ion: 43 Resp: 2571
Ion Ratio Lower Upper
43 100
58 186.0 36.6 54.8#

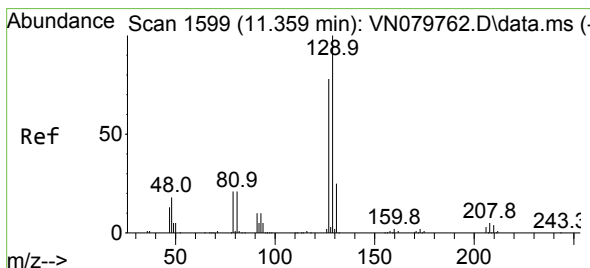
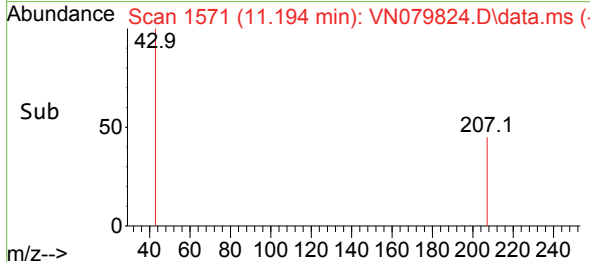
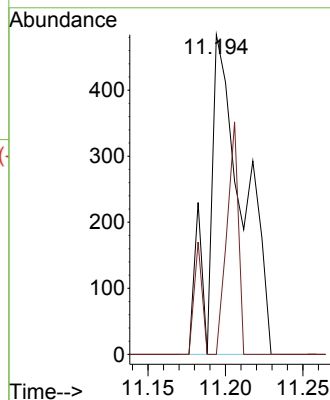
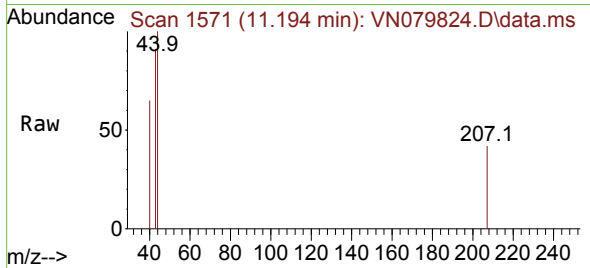




#59
2-Hexanone
Concen: 0.236 ug/l
RT: 11.194 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN079824.D
Acq: 03 Nov 2023 04:46

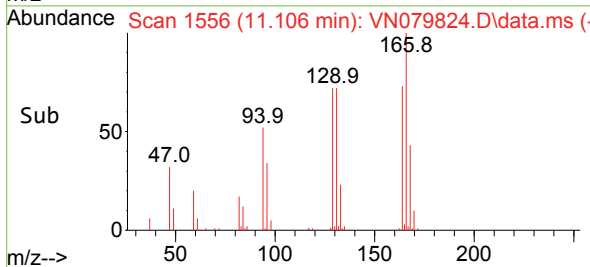
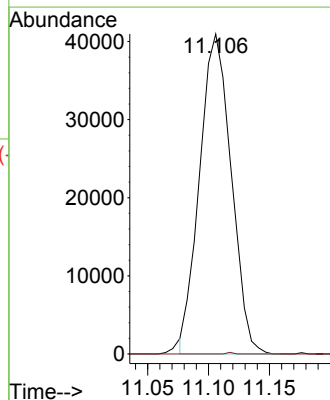
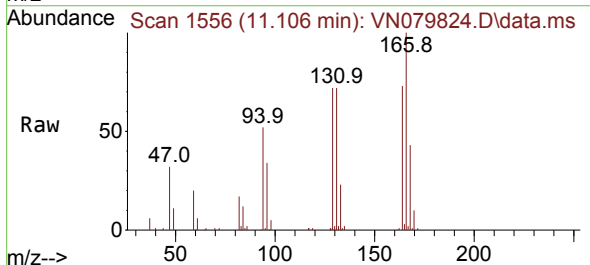
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-EVAL-02S-20231101

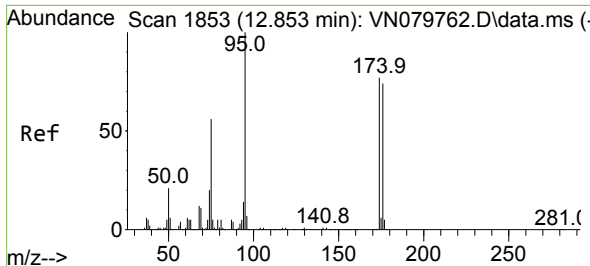
Tgt Ion: 43 Resp: 722
Ion Ratio Lower Upper
43 100
58 8.3 31.7 95.1#



#60
Dibromochloromethane
Concen: 21.956 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.259 min
Lab File: VN079824.D
Acq: 03 Nov 2023 04:46

Tgt Ion: 129 Resp: 74128
Ion Ratio Lower Upper
129 100
127 0.1 38.6 116.0#

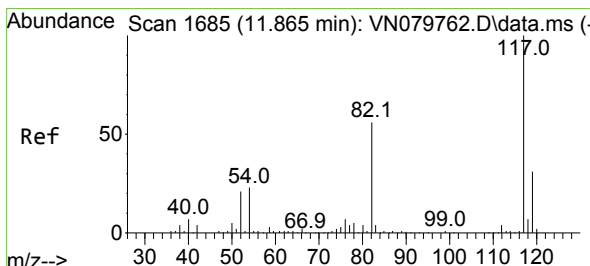
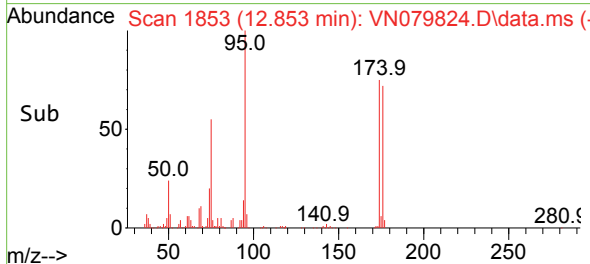
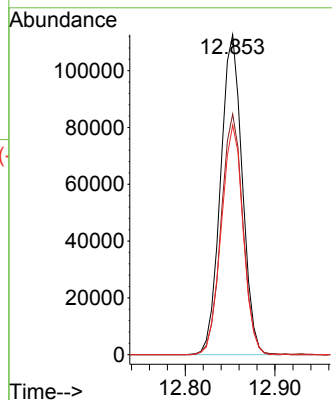
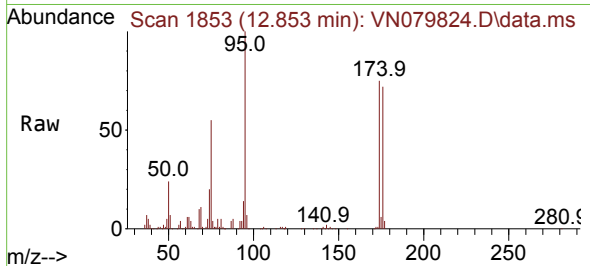




#62
4-Bromofluorobenzene
Concen: 50.060 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079824.D
Acq: 03 Nov 2023 04:46

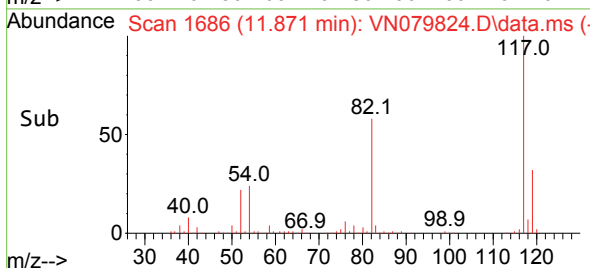
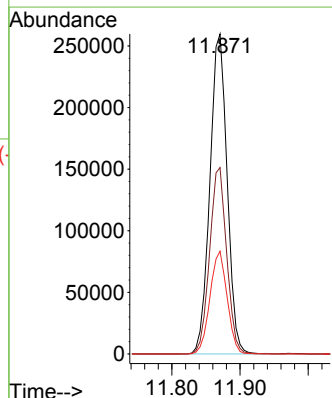
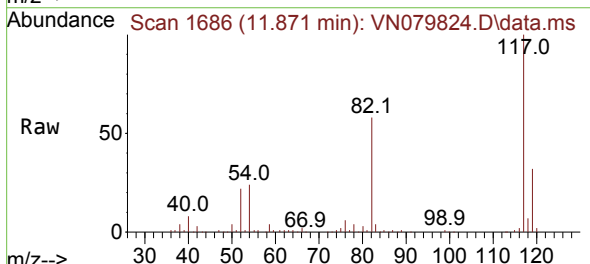
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-EVAL-02S-20231101

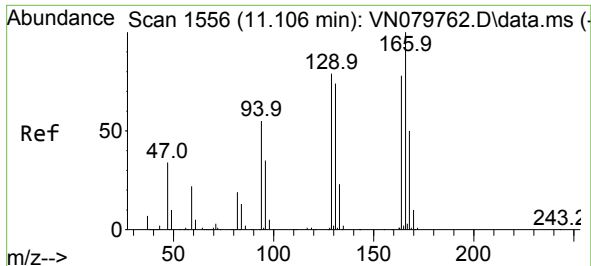
Tgt Ion: 95 Resp: 189050
Ion Ratio Lower Upper
95 100
174 75.6 0.0 143.8
176 72.3 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN079824.D
Acq: 03 Nov 2023 04:46

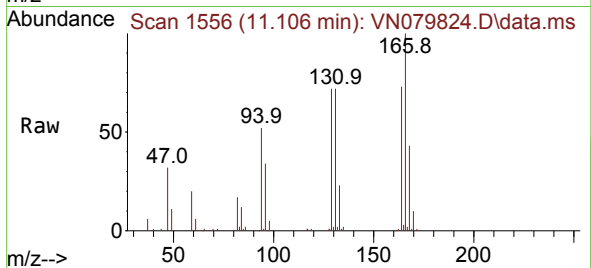
Tgt Ion: 117 Resp: 456964
Ion Ratio Lower Upper
117 100
82 58.3 44.0 66.0
119 32.1 25.6 38.4



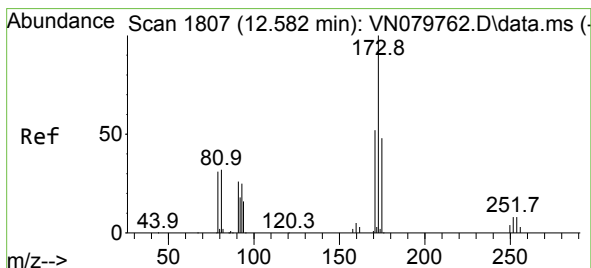
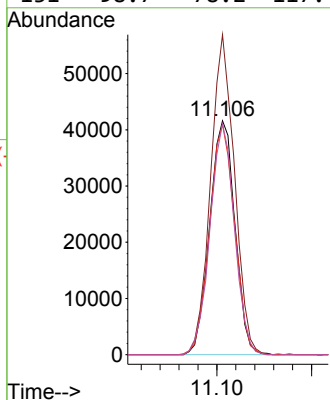
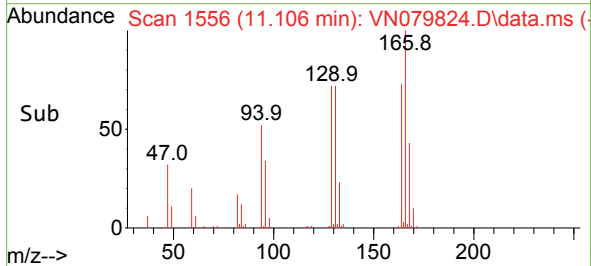


#64
Tetrachloroethene
Concen: 26.040 ug/l
RT: 11.106 min Scan# 1111
Delta R.T. 0.000 min
Lab File: VN079824.D
Acq: 03 Nov 2023 04:46

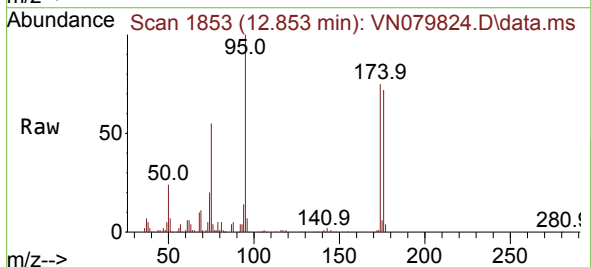
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-EVAL-02S-20231101



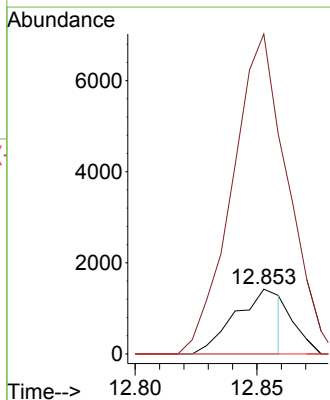
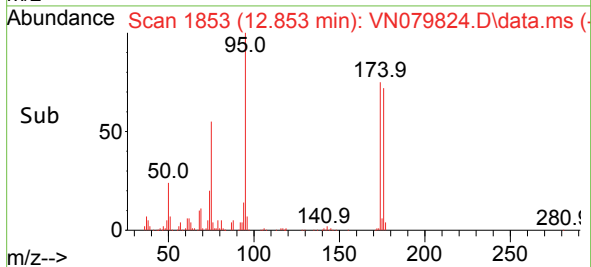
Tgt Ion:164 Resp: 77068
Ion Ratio Lower Upper
164 100
166 136.8 101.4 152.0
129 98.5 82.4 123.6
131 98.7 78.2 117.4

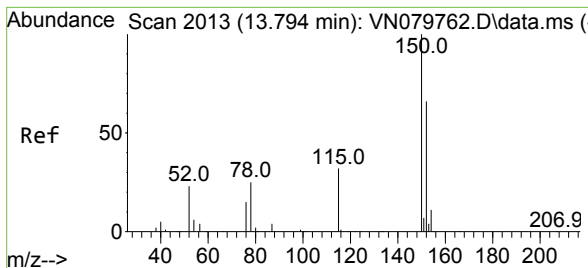


#71
Bromoform
Concen: 0.737 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN079824.D
Acq: 03 Nov 2023 04:46



Tgt Ion:173 Resp: 1868
Ion Ratio Lower Upper
173 100
175 489.7 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: VN079824.D

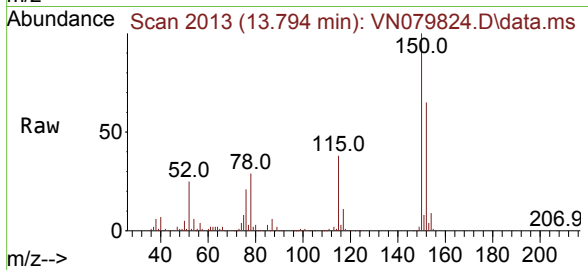
Acq: 03 Nov 2023 04:46

Instrument :

MSVOA_N

ClientSampleId :

FSND-MW-EVAL-02S-20231101



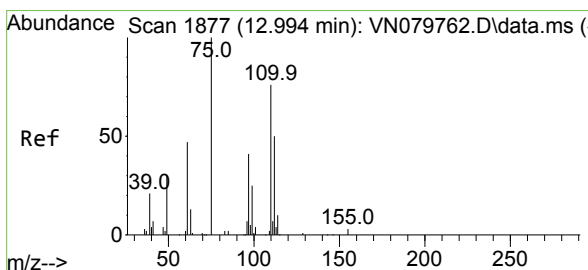
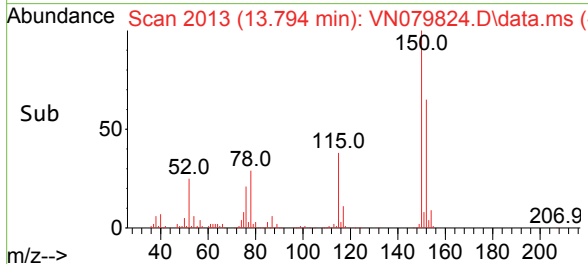
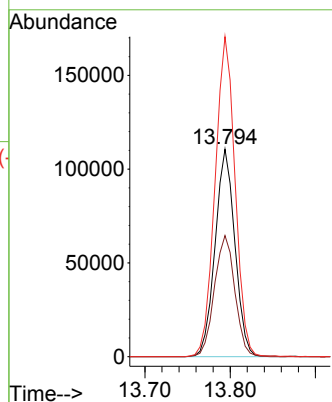
Tgt Ion:152 Resp: 178385

Ion Ratio Lower Upper

152 100

115 60.3 32.3 96.8

150 156.1 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 25.091 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN079824.D

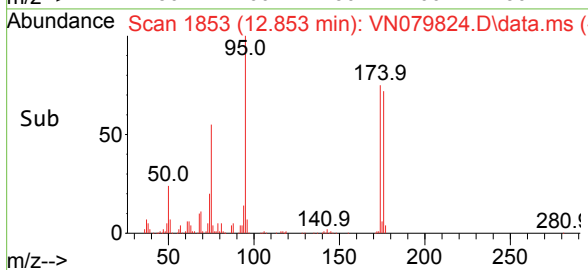
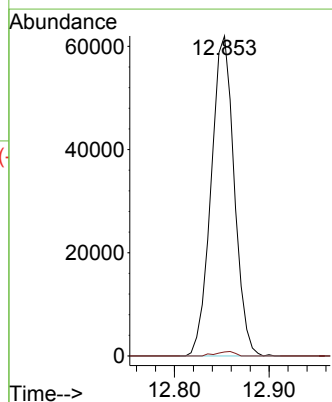
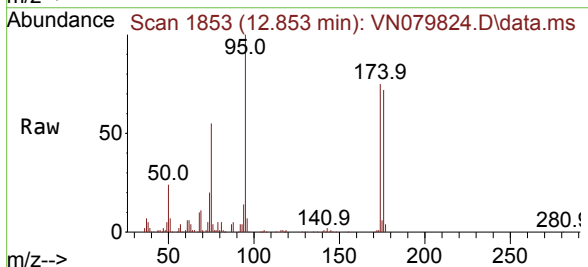
Acq: 03 Nov 2023 04:46

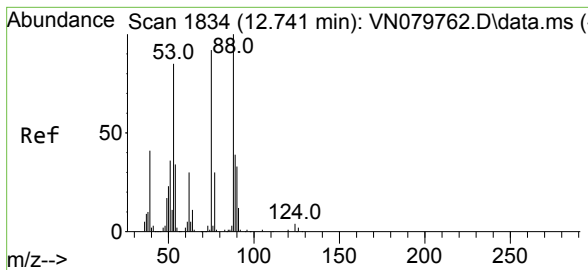
Tgt Ion: 75 Resp: 105079

Ion Ratio Lower Upper

75 100

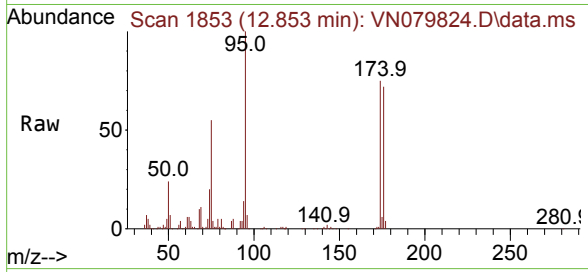
77 1.1 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.266 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN079824.D
 Acq: 03 Nov 2023 04:46

Instrument :
 MSVOA_N
 ClientSampleId :
 FSND-MW-EVAL-02S-20231101



Tgt Ion: 75 Resp: 105079
 Ion Ratio Lower Upper
 75 100
 53 0.1 67.4 101.2#
 89 0.0 38.8 58.2#

