

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110223\
 Data File : VN079831.D
 Acq On : 03 Nov 2023 07:32
 Operator : JC\MD
 Sample : 05222-16
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 52 Sample Multiplier: 1

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

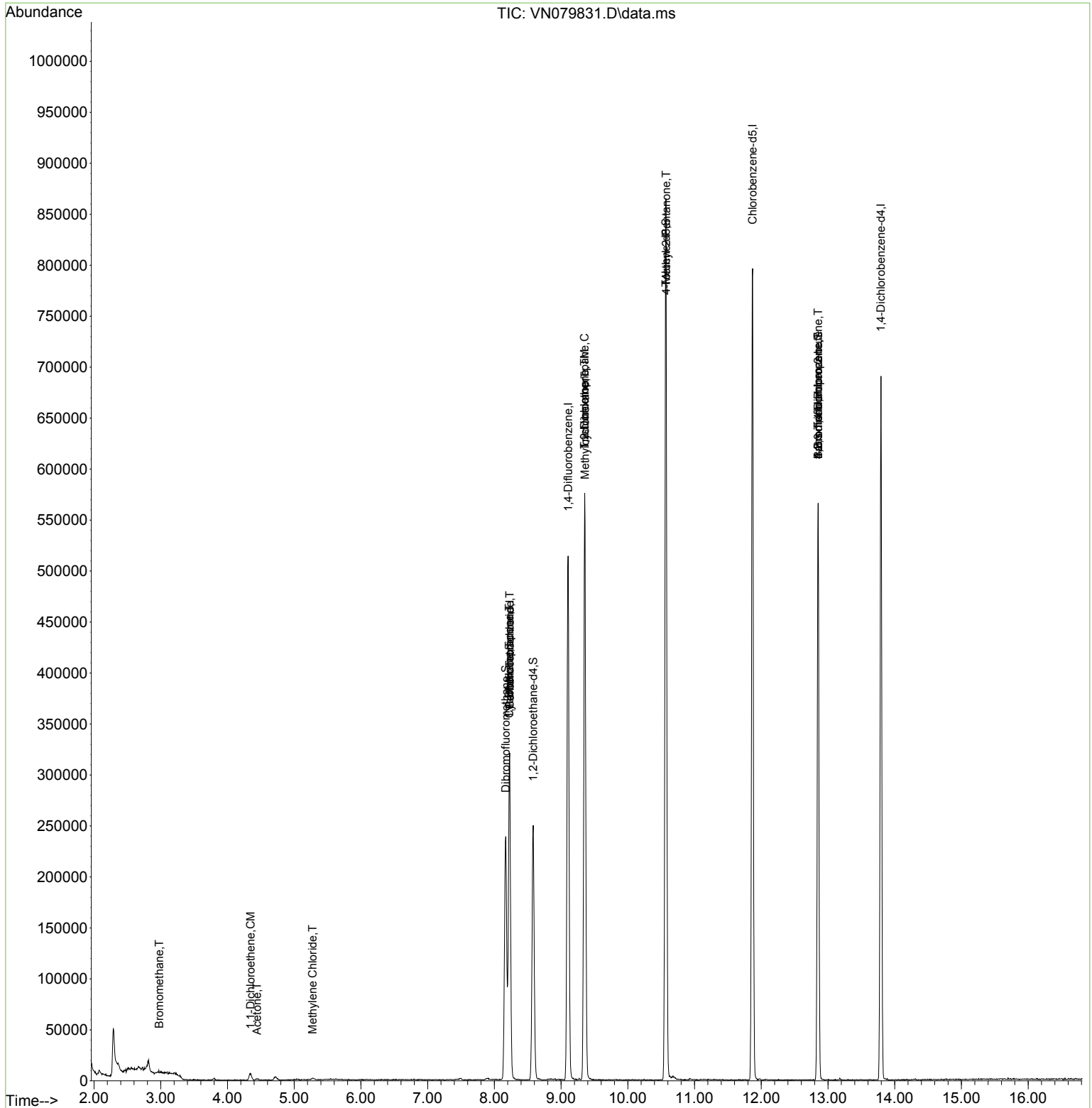
Quant Time: Nov 03 08:53:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:49:08 2023
 Response via : Initial Calibration

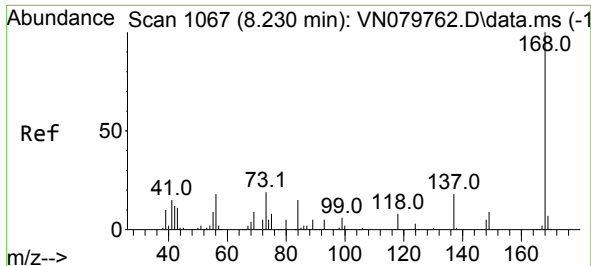
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	222059	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	433489	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	452708	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	174278	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	199797	59.057	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 118.120%			
35) Dibromofluoromethane	8.171	113	169601	55.280	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.560%			
50) Toluene-d8	10.571	98	573782	50.801	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.600%			
62) 4-Bromofluorobenzene	12.853	95	191713	51.180	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.360%			
Target Compounds						Qvalue
3) Chloromethane	2.365	50	1982	Below Cal	#	87
5) Bromomethane	2.977	94	589	0.277	ug/l #	81
12) 1,1-Dichloroethene	4.347	96	3784	1.583	ug/l #	65
16) Acetone	4.442	43	2216	1.865	ug/l #	40
20) Methylene Chloride	5.277	84	927	0.309	ug/l #	56
31) Cyclohexane	8.224	56	5710	1.277	ug/l #	16
36) 1,1-Dichloropropene	8.224	75	20716	4.729	ug/l #	48
38) Carbon Tetrachloride	8.230	117	23970	5.429	ug/l #	14
39) Methylcyclohexane	9.359	83	2742	0.665	ug/l #	1
44) Trichloroethene	9.353	130	196984	60.502	ug/l	98
45) 1,2-Dichloropropane	9.353	63	818	0.244	ug/l #	1
51) 4-Methyl-2-Pentanone	10.576	43	3290	0.829	ug/l #	1
71) Bromoform	12.853	173	1717	0.683	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	104899	25.638	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	104899	69.755	ug/l #	15

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

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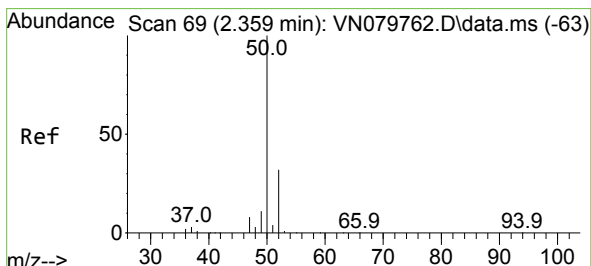
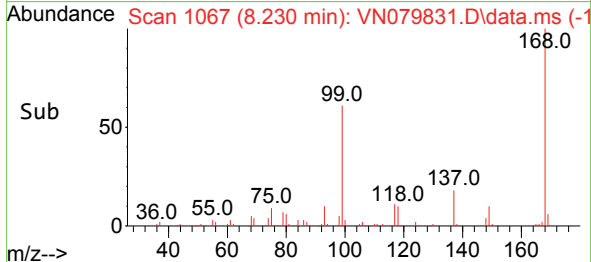
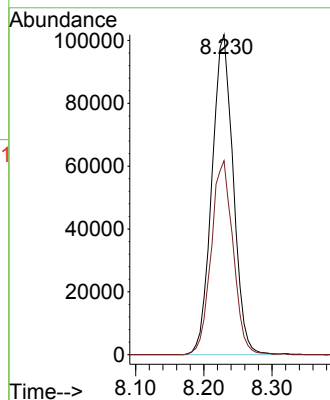
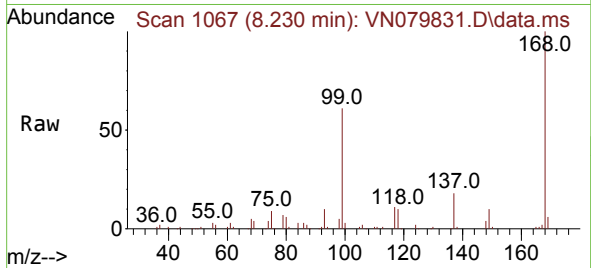




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.001 min
Lab File: VN079831.D
Acq: 03 Nov 2023 07:32

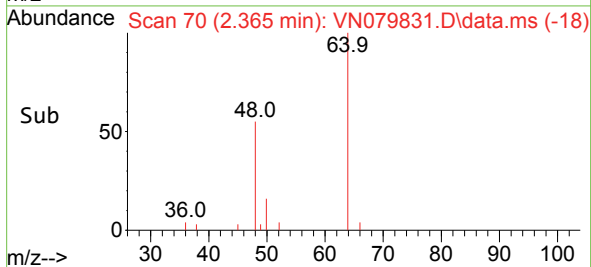
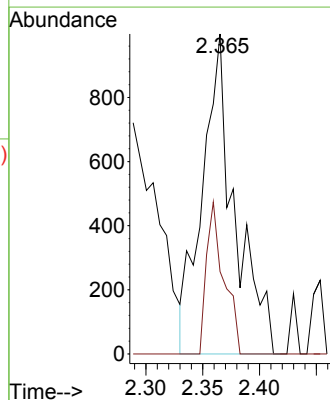
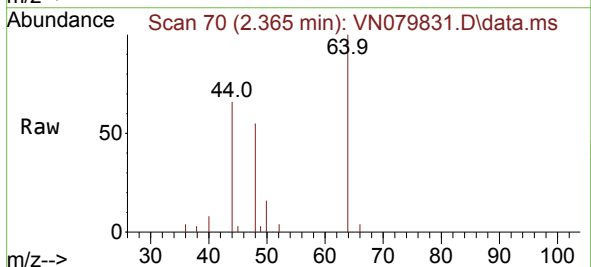
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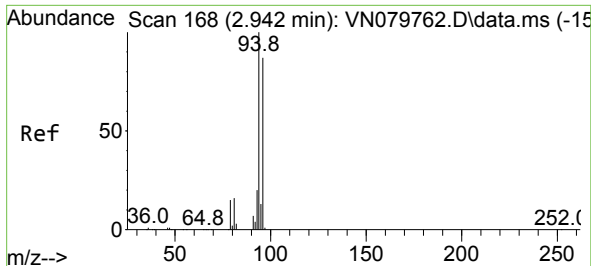
Tgt Ion:168 Resp: 222059
Ion Ratio Lower Upper
168 100
99 60.6 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN079831.D
Acq: 03 Nov 2023 07:32

Tgt Ion: 50 Resp: 1982
Ion Ratio Lower Upper
50 100
52 25.8 26.5 39.7#

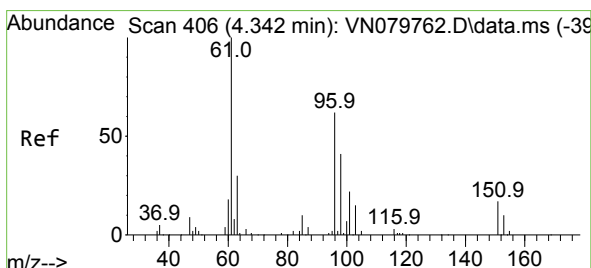
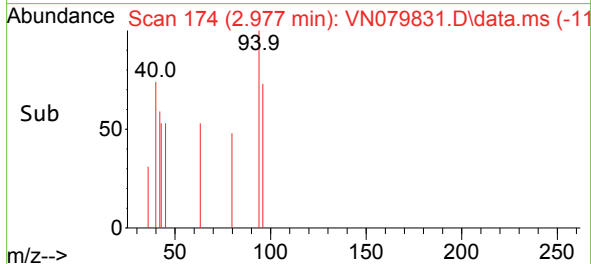
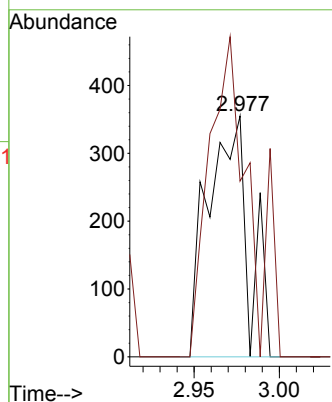
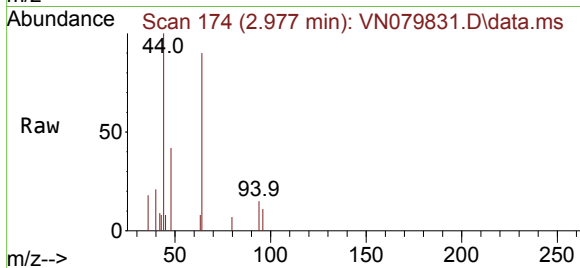




#5
Bromomethane
Concen: 0.277 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN079831.D
Acq: 03 Nov 2023 07:32

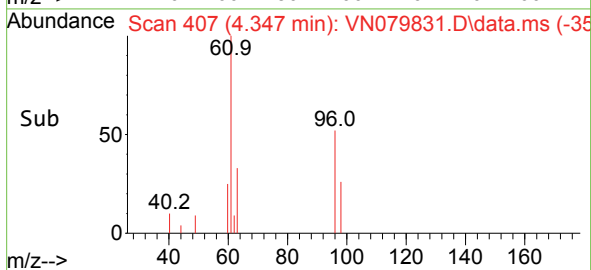
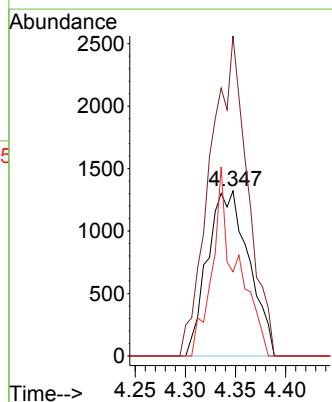
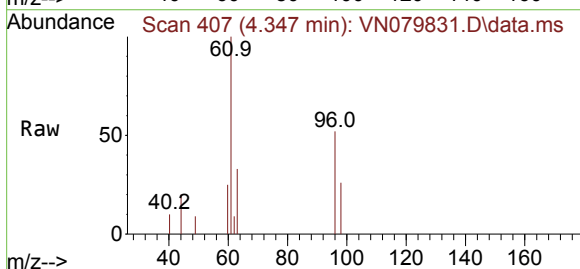
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-EVAL-04D-20231101

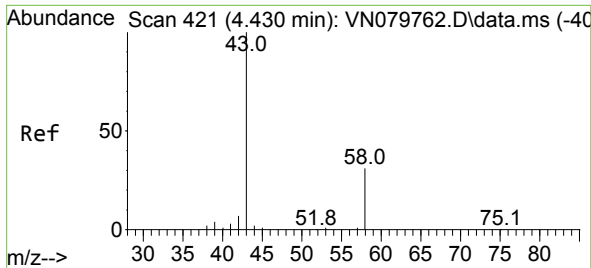
Tgt Ion: 94 Resp: 589
Ion Ratio Lower Upper
94 100
96 73.0 73.1 109.7#



#12
1,1-Dichloroethene
Concen: 1.583 ug/l
RT: 4.347 min Scan# 407
Delta R.T. 0.000 min
Lab File: VN079831.D
Acq: 03 Nov 2023 07:32

Tgt Ion: 96 Resp: 3784
Ion Ratio Lower Upper
96 100
61 193.9 112.7 169.1#
98 51.0 51.2 76.8#

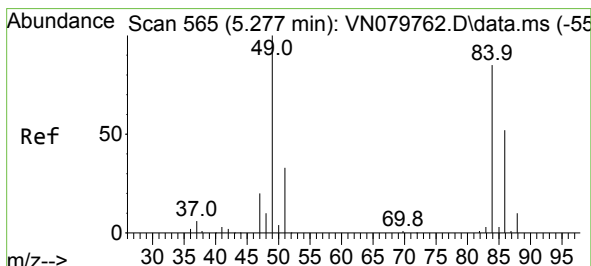
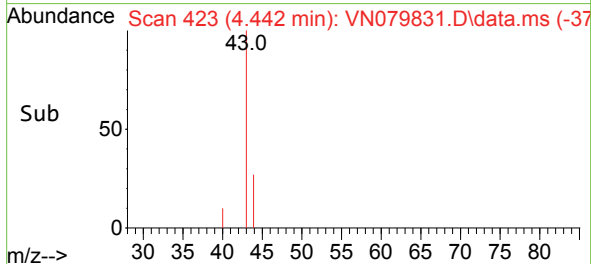
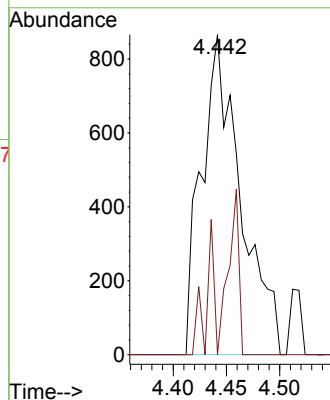
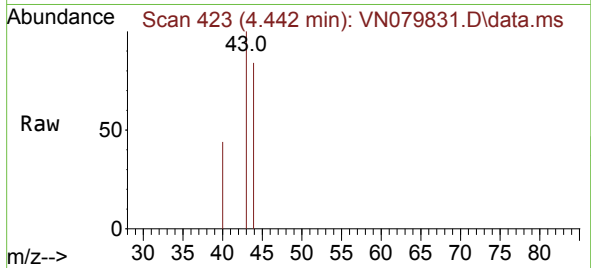




#16
Acetone
Concen: 1.865 ug/l
RT: 4.442 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN079831.D
Acq: 03 Nov 2023 07:32

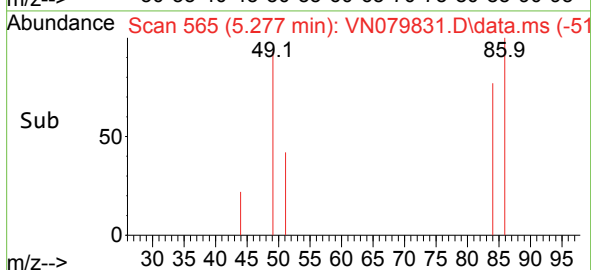
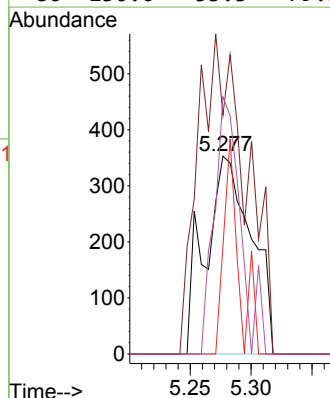
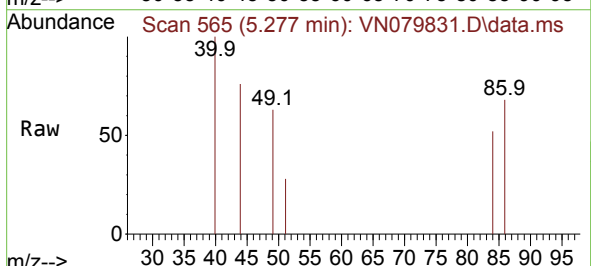
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-EVAL-04D-20231101

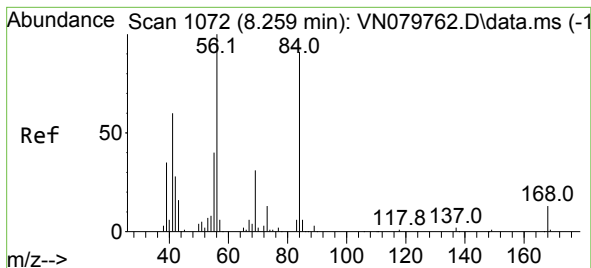
Tgt Ion: 43 Resp: 2216
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#20
Methylene Chloride
Concen: 0.309 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN079831.D
Acq: 03 Nov 2023 07:32

Tgt Ion: 84 Resp: 927
Ion Ratio Lower Upper
84 100
49 120.7 79.7 119.5#
51 54.4 25.2 37.8#
86 130.0 53.3 79.9#





#31

Cyclohexane

Concen: 1.277 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.035 min

Lab File: VN079831.D

Acq: 03 Nov 2023 07:32

Instrument :

MSVOA_N

ClientSampleId :

FSND-MW-EVAL-04D-20231101

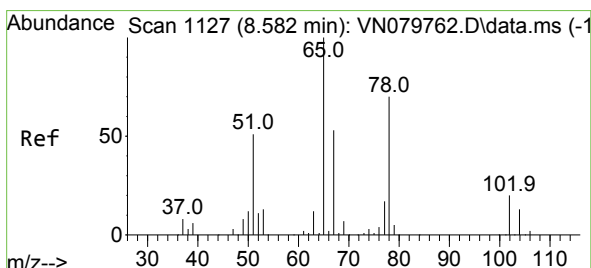
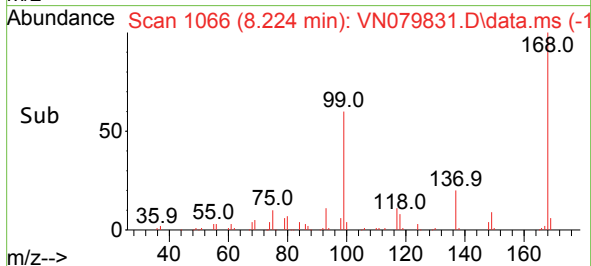
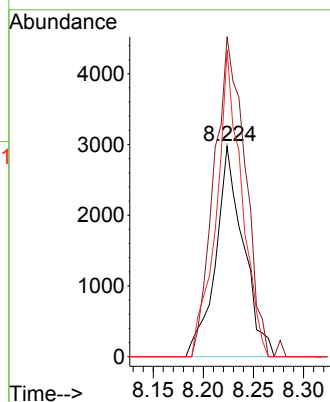
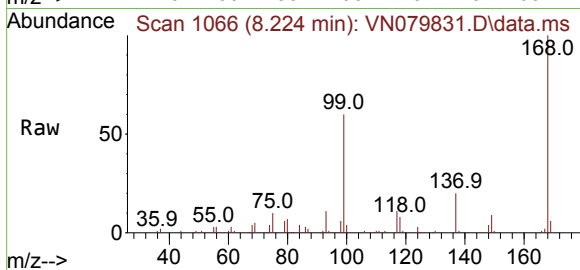
Tgt Ion: 56 Resp: 5710

Ion Ratio Lower Upper

56 100

69 152.0 26.8 40.2#

84 145.6 81.8 122.6#



#33

1,2-Dichloroethane-d4

Concen: 59.057 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079831.D

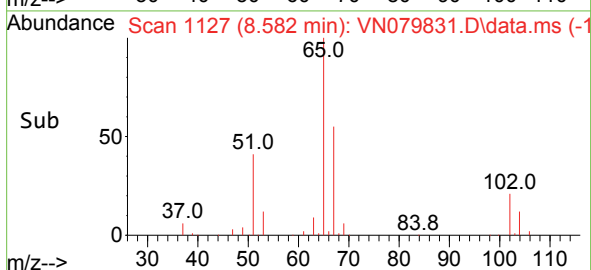
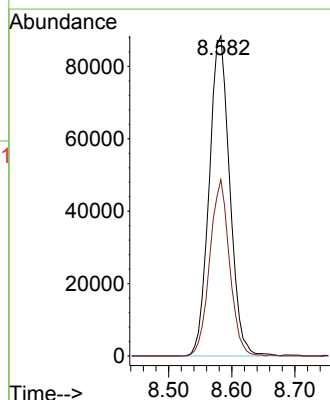
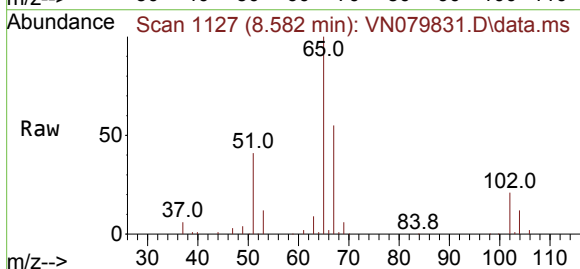
Acq: 03 Nov 2023 07:32

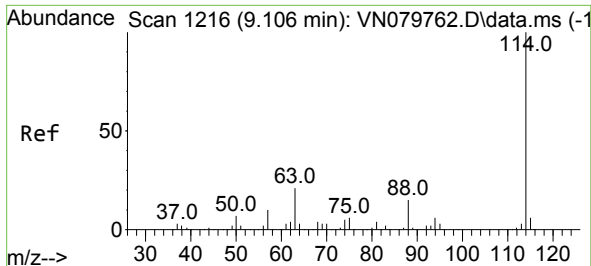
Tgt Ion: 65 Resp: 199797

Ion Ratio Lower Upper

65 100

67 53.0 0.0 106.6

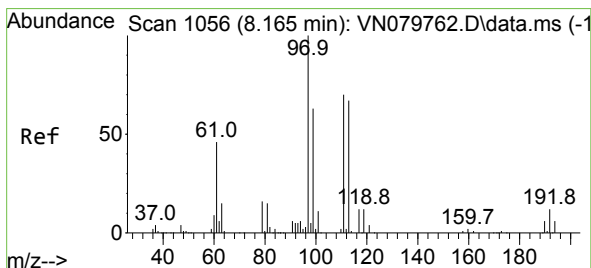
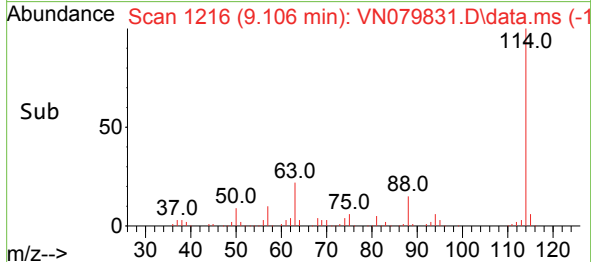
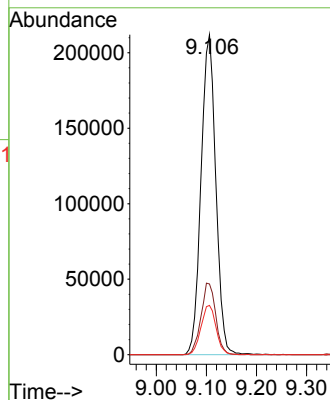
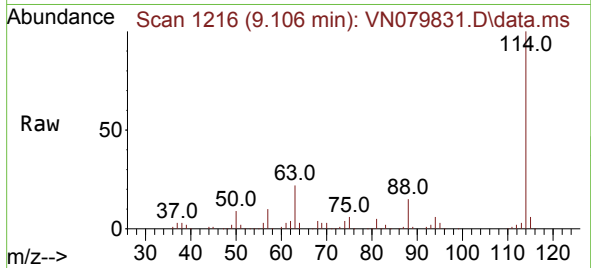




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079831.D
Acq: 03 Nov 2023 07:32

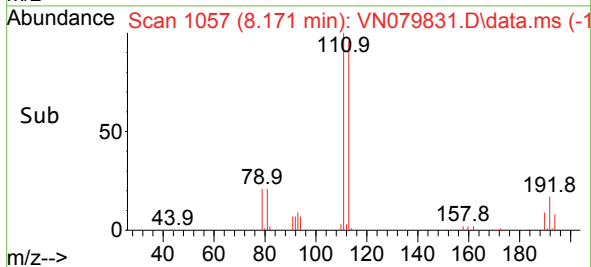
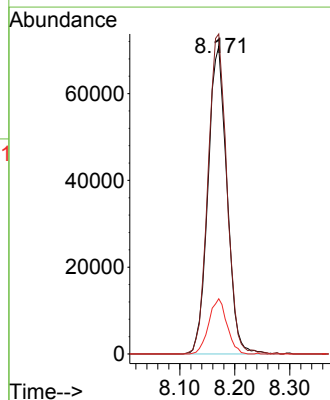
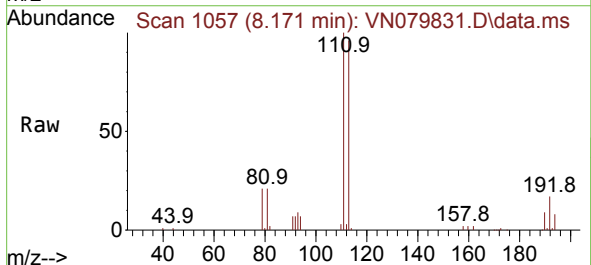
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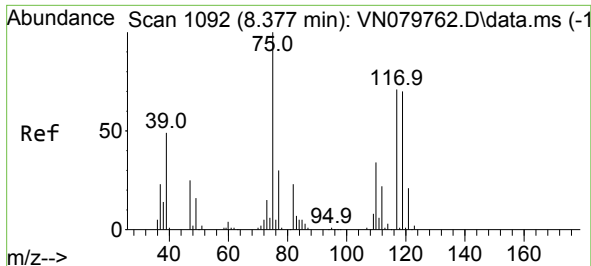
Tgt Ion:114 Resp: 433489
Ion Ratio Lower Upper
114 100
63 22.1 0.0 36.4
88 15.4 0.0 30.6



#35
Dibromofluoromethane
Concen: 55.280 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN079831.D
Acq: 03 Nov 2023 07:32

Tgt Ion:113 Resp: 169601
Ion Ratio Lower Upper
113 100
111 103.8 82.6 123.8
192 17.3 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.729 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

Lab File: VN079831.D

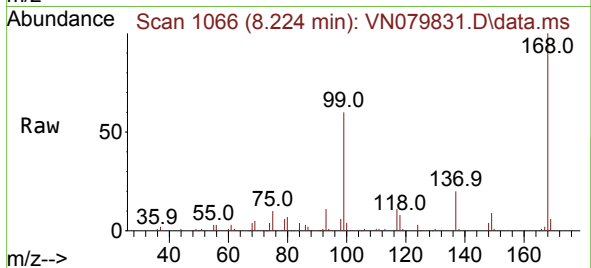
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Instrument :

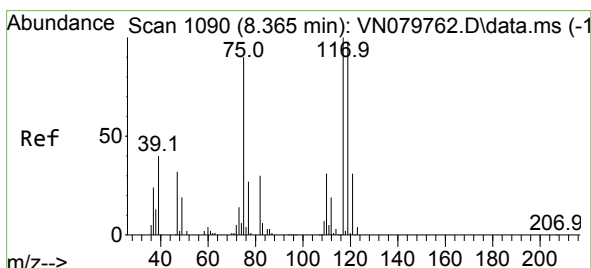
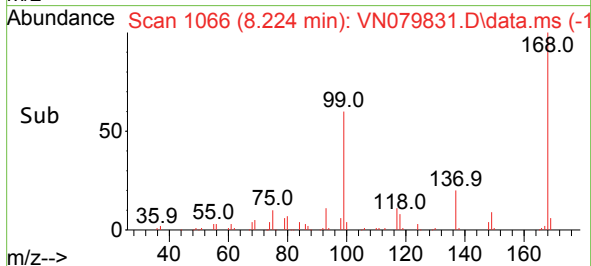
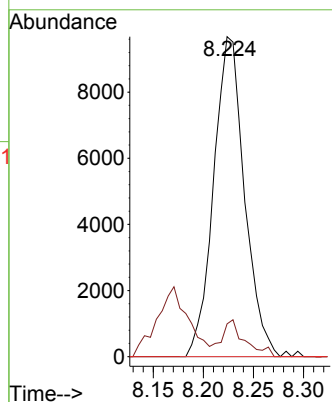
MSVOA_N

ClientSampleId :

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Tgt Ion: 75	Resp: 20716
Ion Ratio	Lower Upper
75	100
110	8.6 19.1 57.3#
77	0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.429 ug/l

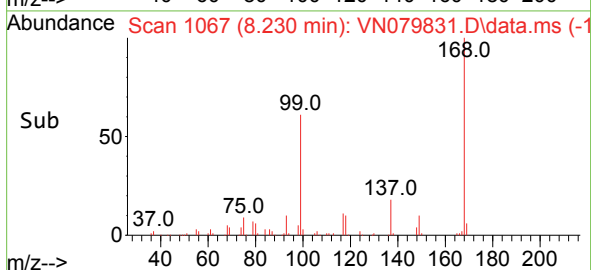
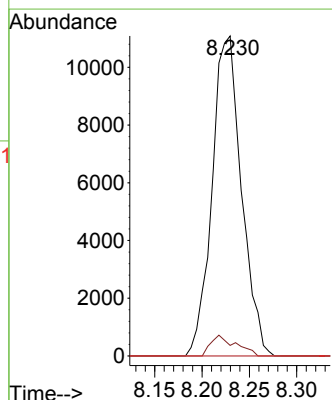
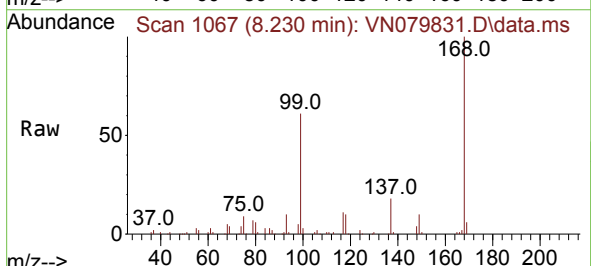
RT: 8.230 min Scan# 1067

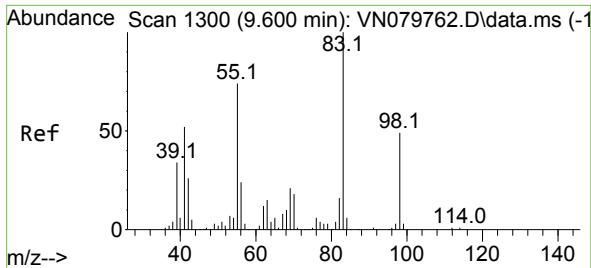
Delta R.T. -0.129 min

Lab File: VN079831.D

Acq: 03 Nov 2023 07:32

Tgt Ion: 117	Resp: 23970
Ion Ratio	Lower Upper
117	100
119	3.3 77.3 115.9#
121	0.0 23.3 34.9#

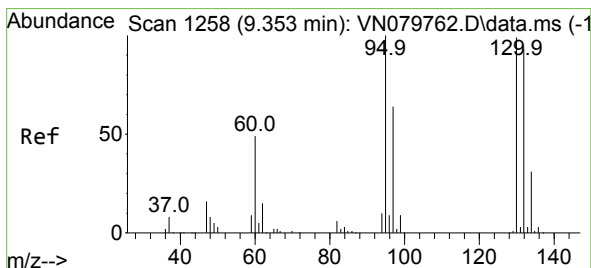
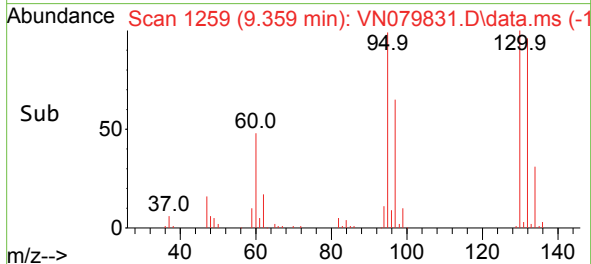
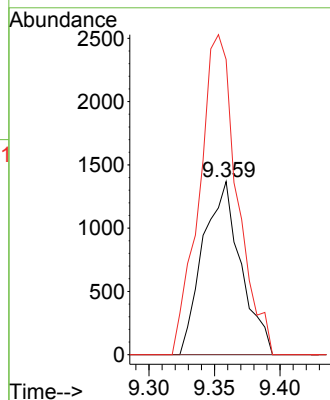
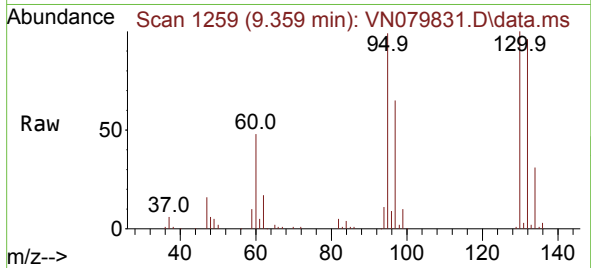




#39
Methylcyclohexane
Concen: 0.665 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.247 min
Lab File: VN079831.D
Acq: 03 Nov 2023 07:32

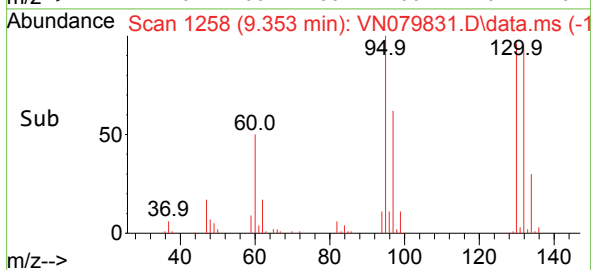
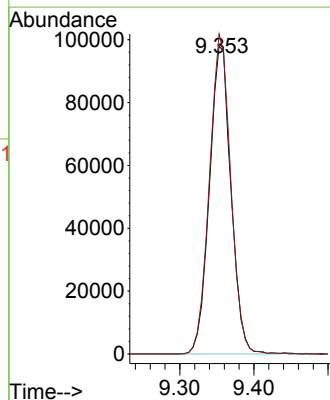
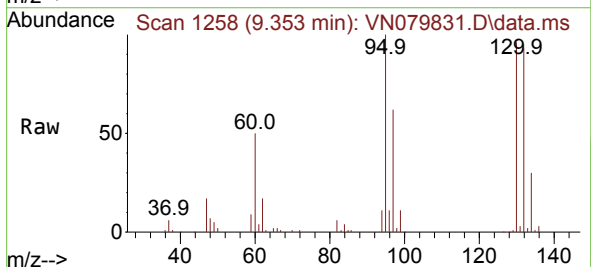
Instrument :
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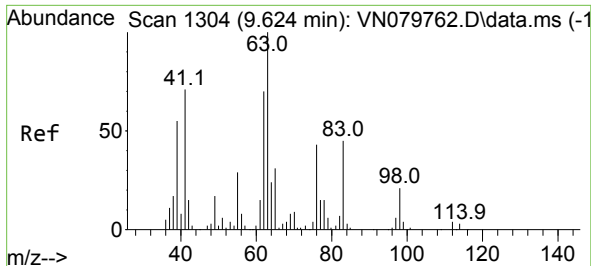
Tgt Ion: 83 Resp: 2742
Ion Ratio Lower Upper
83 100
55 0.0 49.1 73.7#
98 170.5 40.6 61.0#



#44
Trichloroethene
Concen: 60.502 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.000 min
Lab File: VN079831.D
Acq: 03 Nov 2023 07:32

Tgt Ion:130 Resp: 196984
Ion Ratio Lower Upper
130 100
95 103.9 0.0 204.6





#45

1,2-Dichloropropane

Concen: 0.244 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. -0.271 min

Lab File: VN079831.D

Acq: 03 Nov 2023 07:32

Instrument :

MSVOA_N

ClientSampleId :

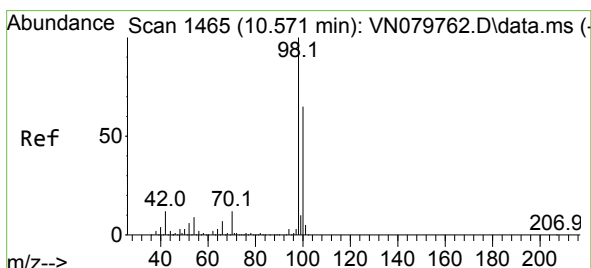
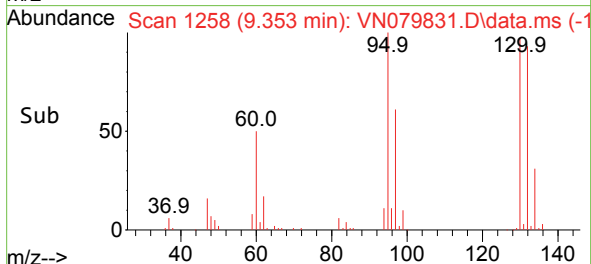
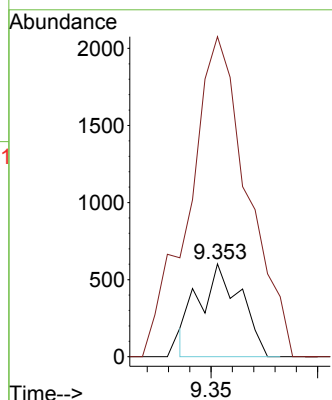
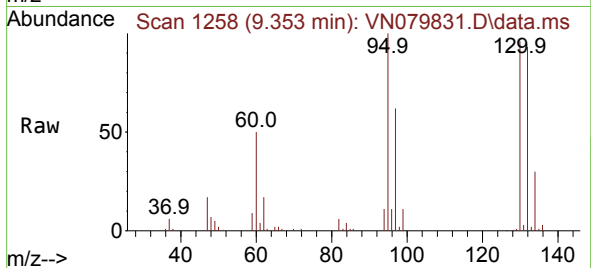
FSND-MW-EVAL-04D-20231101

Tgt Ion: 63 Resp: 818

Ion Ratio Lower Upper

63 100

65 280.1 23.9 35.9#



#50

Toluene-d8

Concen: 50.801 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN079831.D

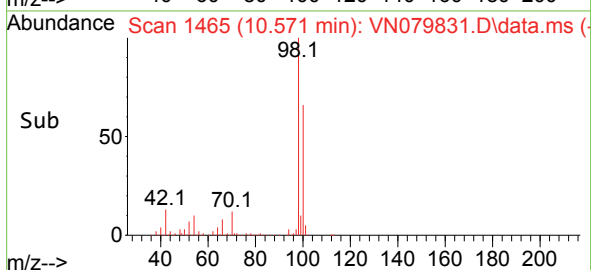
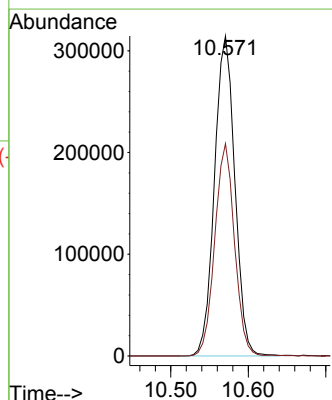
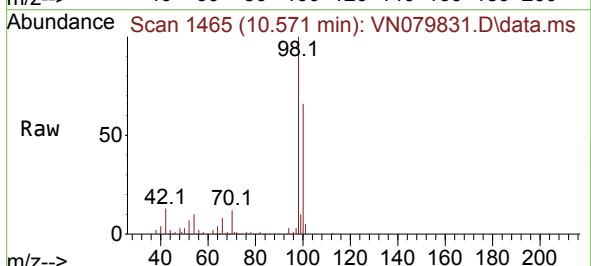
Acq: 03 Nov 2023 07:32

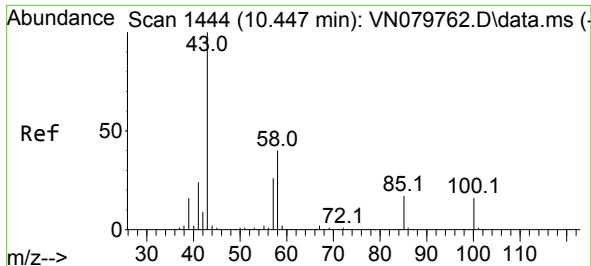
Tgt Ion: 98 Resp: 573782

Ion Ratio Lower Upper

98 100

100 64.4 52.0 78.0

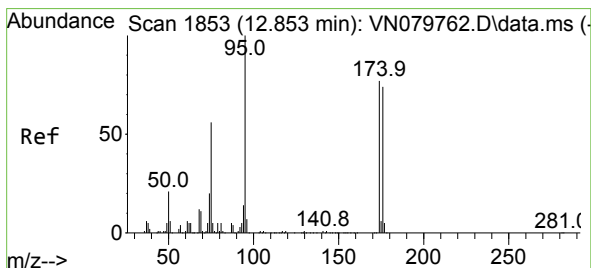
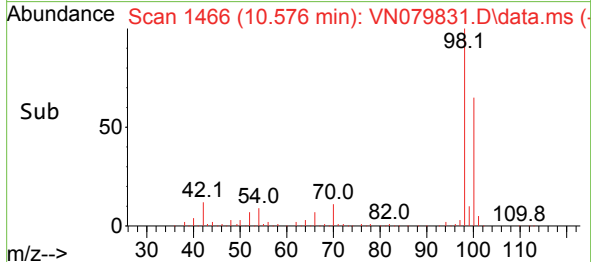
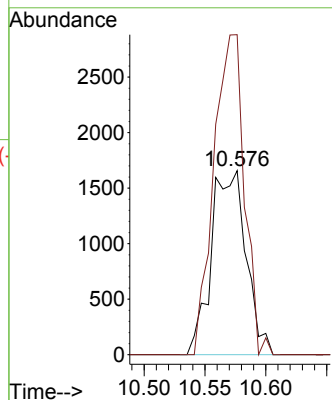
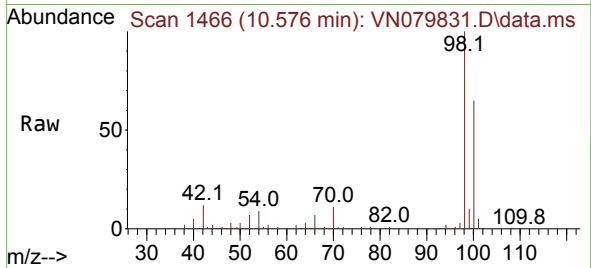




#51
4-Methyl-2-Pentanone
Concen: 0.829 ug/l
RT: 10.576 min Scan# 1444
Delta R.T. 0.129 min
Lab File: VN079831.D
Acq: 03 Nov 2023 07:32

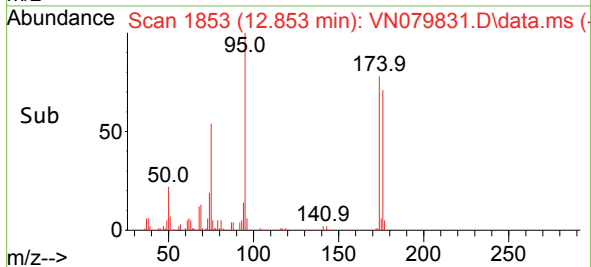
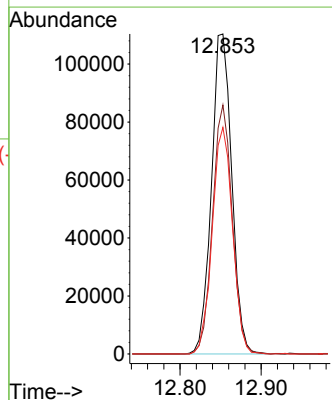
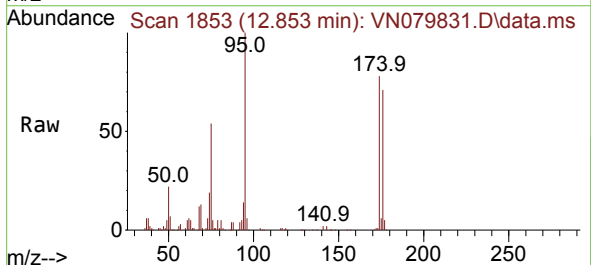
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-EVAL-04D-20231101

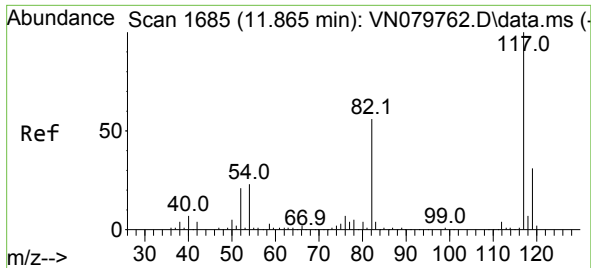
Tgt Ion: 43 Resp: 3290
Ion Ratio Lower Upper
43 100
58 153.3 36.6 54.8#



#62
4-Bromofluorobenzene
Concen: 51.180 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079831.D
Acq: 03 Nov 2023 07:32

Tgt Ion: 95 Resp: 191713
Ion Ratio Lower Upper
95 100
174 75.3 0.0 143.8
176 70.7 0.0 135.8

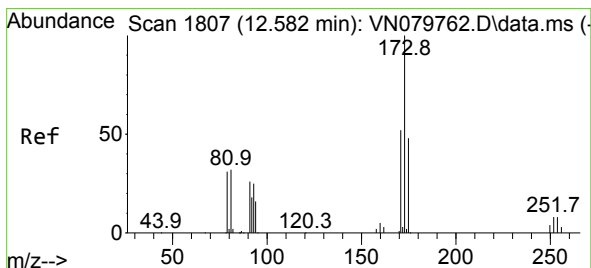
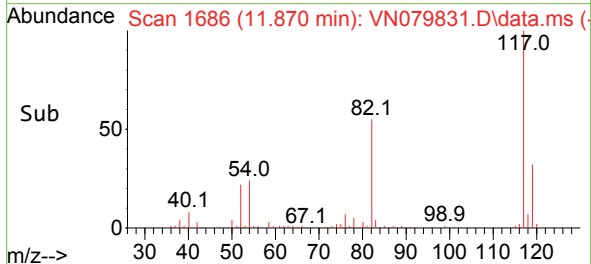
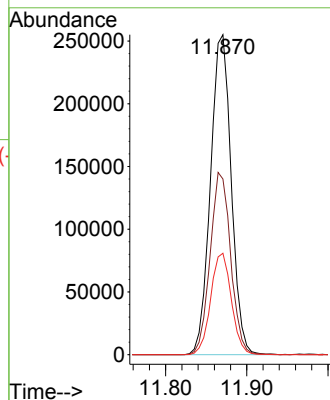
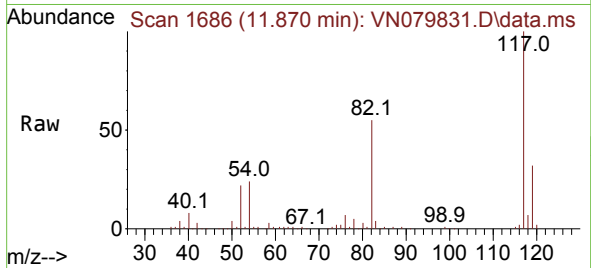




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN079831.D
Acq: 03 Nov 2023 07:32

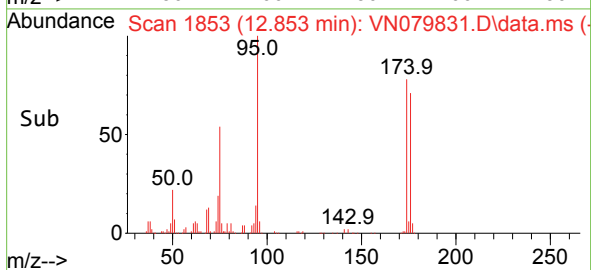
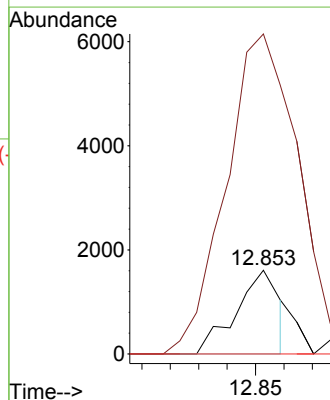
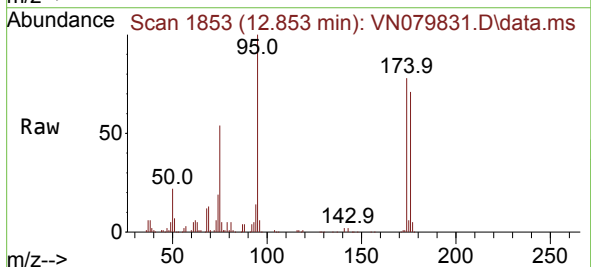
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-EVAL-04D-20231101

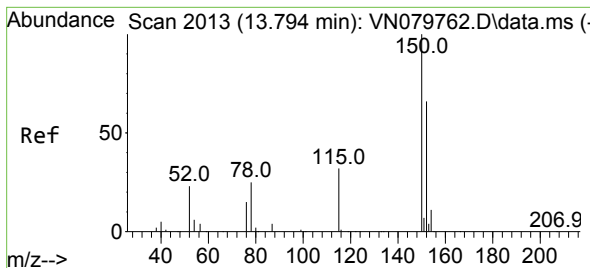
Tgt Ion:117 Resp: 452708
Ion Ratio Lower Upper
117 100
82 54.9 44.0 66.0
119 31.7 25.6 38.4



#71
Bromoform
Concen: 0.683 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN079831.D
Acq: 03 Nov 2023 07:32

Tgt Ion:173 Resp: 1717
Ion Ratio Lower Upper
173 100
175 491.5 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# 20

Delta R.T. 0.000 min

Lab File: VN079831.D

Acq: 03 Nov 2023 07:32

Instrument :

MSVOA_N

ClientSampleId :

FSND-MW-EVAL-04D-20231101

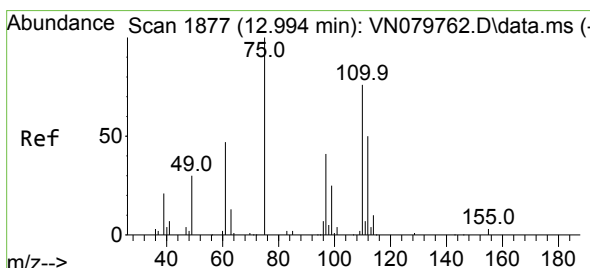
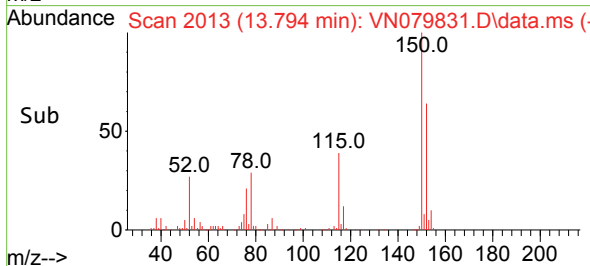
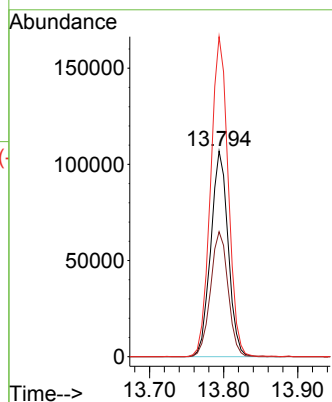
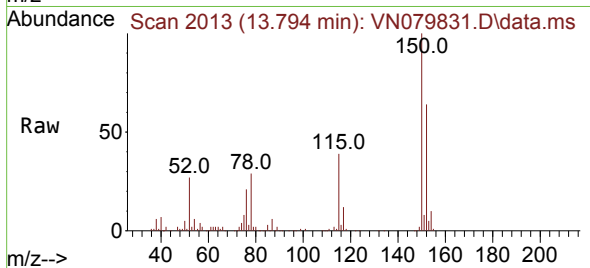
Tgt Ion:152 Resp: 174278

Ion Ratio Lower Upper

152 100

115 61.2 32.3 96.8

150 157.4 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 25.638 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN079831.D

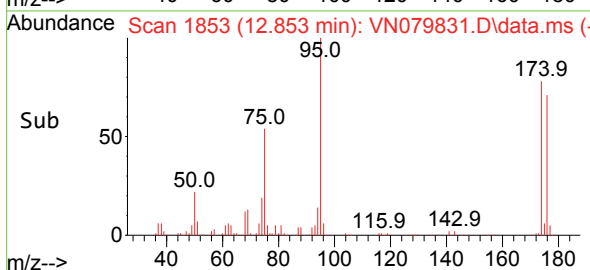
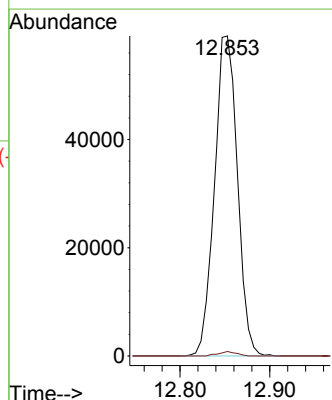
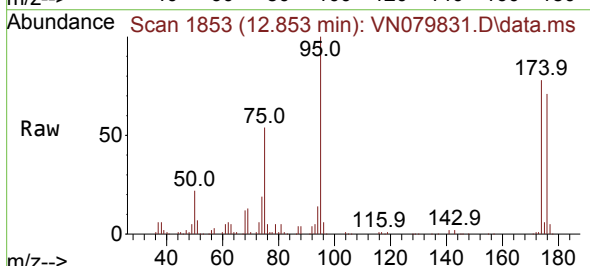
Acq: 03 Nov 2023 07:32

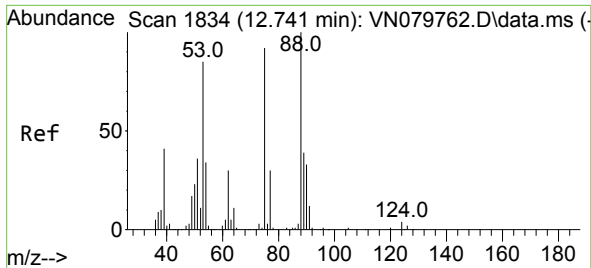
Tgt Ion: 75 Resp: 104899

Ion Ratio Lower Upper

75 100

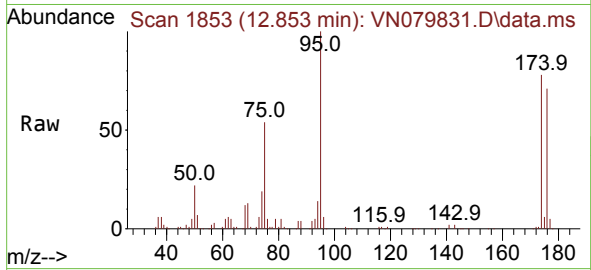
77 1.1 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.755 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN079831.D
 Acq: 03 Nov 2023 07:32

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



Tgt Ion: 75 Resp: 104899
 Ion Ratio Lower Upper
 75 100
 53 0.2 67.4 101.2#
 89 0.1 38.8 58.2#

