

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110423\
 Data File : VN079900.D
 Acq On : 04 Nov 2023 18:05
 Operator : JC\MD
 Sample : 05222-19DL 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Nov 06 02:17:20 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)

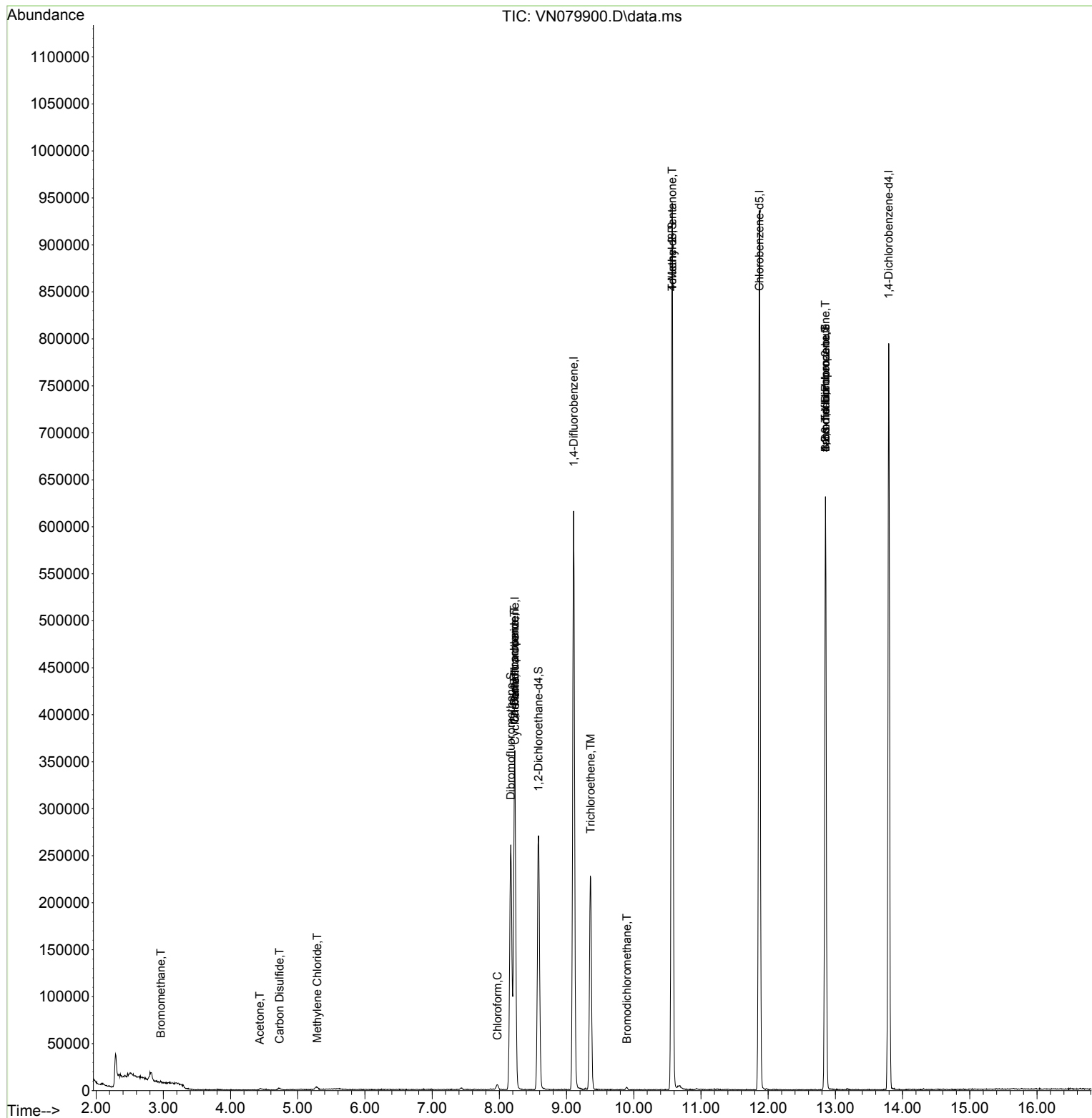
Internal Standards						
1) Pentafluorobenzene	8.230	168	247248	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	499432	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	507413	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	195451	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	224605	59.626	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 119.260%	
35) Dibromofluoromethane	8.171	113	185767	52.554	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.100%	
50) Toluene-d8	10.571	98	626996	48.183	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 96.360%	
62) 4-Bromofluorobenzene	12.853	95	207750	48.138	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 96.280%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	1852	Below Cal		100
5) Bromomethane	2.965	94	819	0.346	ug/l	97
16) Acetone	4.436	43	2535	1.916	ug/l #	40
17) Carbon Disulfide	4.730	76	1593	0.208	ug/l #	75
20) Methylene Chloride	5.289	84	2615	0.783	ug/l #	84
30) Chloroform	7.971	83	5524	0.886	ug/l	90
31) Cyclohexane	8.235	56	7129	1.432	ug/l #	58
36) 1,1-Dichloropropene	8.224	75	24211	4.797	ug/l #	47
38) Carbon Tetrachloride	8.224	117	27658	5.438	ug/l #	16
44) Trichloroethene	9.359	130	79992	21.325	ug/l	100
47) Bromodichloromethane	9.900	83	2137	0.380	ug/l #	82
51) 4-Methyl-2-Pentanone	10.571	43	2837	0.621	ug/l #	1
71) Bromoform	12.853	173	1966	0.698	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	115652	25.204	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	115652	68.575	ug/l #	15

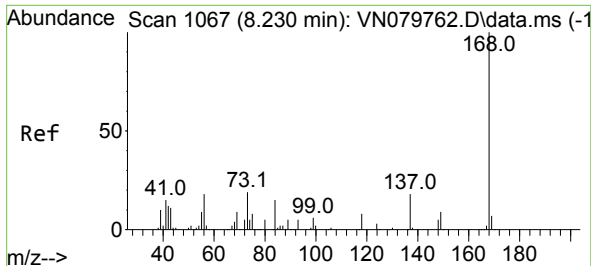
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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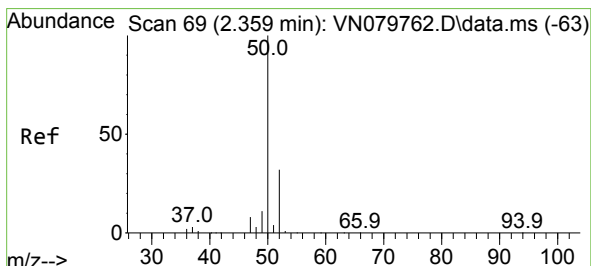
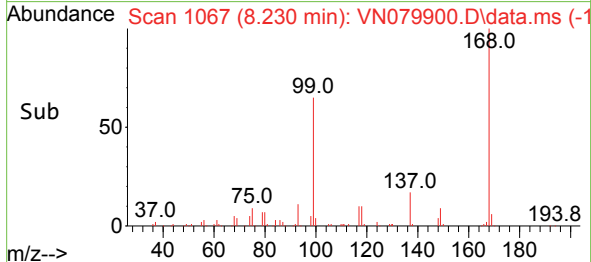
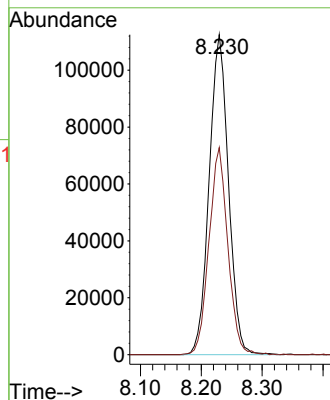
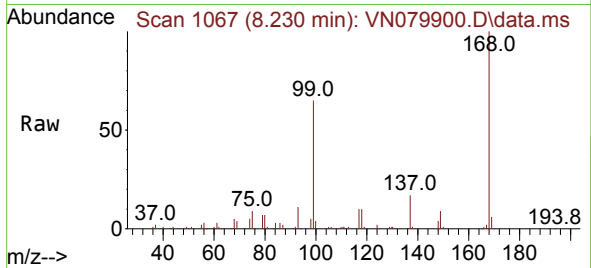




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. 0.001 min
Lab File: VN079900.D
Acq: 04 Nov 2023 18:05

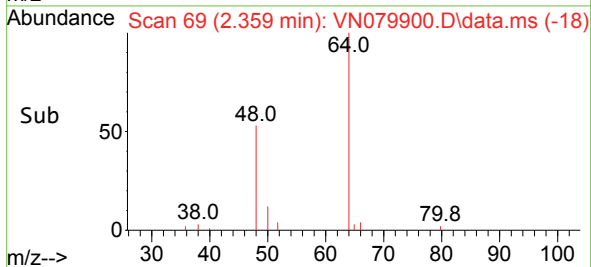
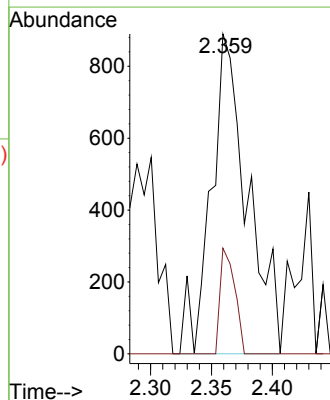
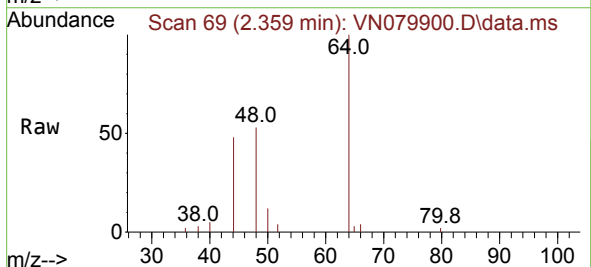
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-EVAL-03S-20231101DL

Tgt Ion:168 Resp: 247248
Ion Ratio Lower Upper
168 100
99 64.7 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN079900.D
Acq: 04 Nov 2023 18:05

Tgt Ion: 50 Resp: 1852
Ion Ratio Lower Upper
50 100
52 33.0 26.5 39.7

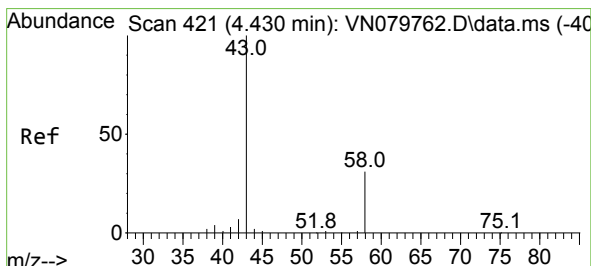
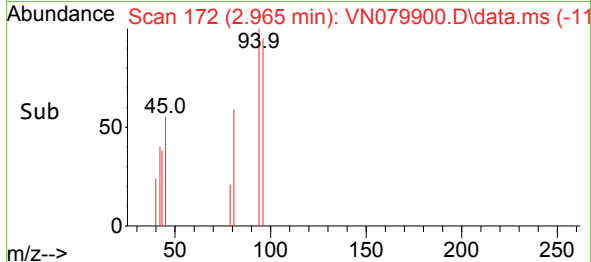
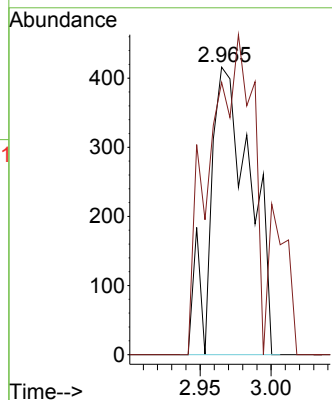
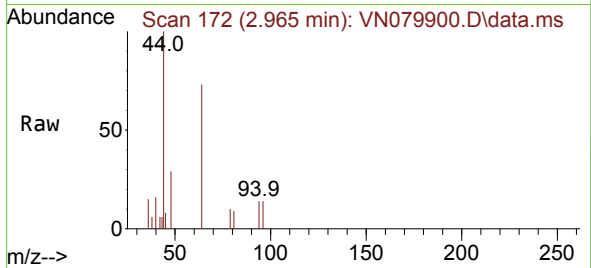




#5
Bromomethane
Concen: 0.346 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN079900.D
Acq: 04 Nov 2023 18:05

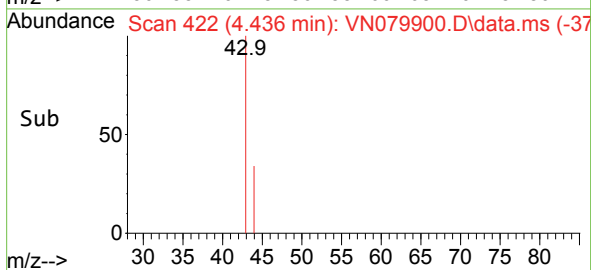
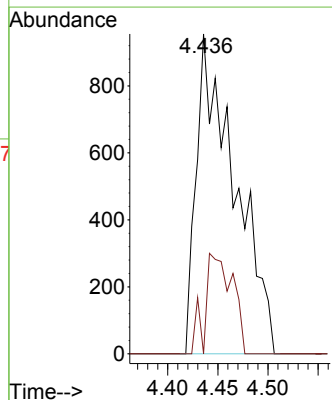
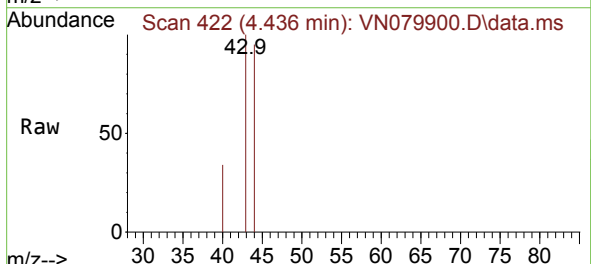
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-EVAL-03S-20231101DL

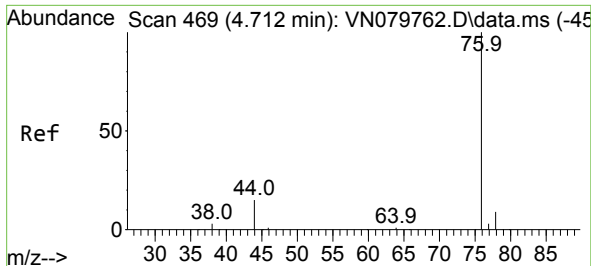
Tgt Ion: 94 Resp: 819
Ion Ratio Lower Upper
94 100
96 94.7 73.1 109.7



#16
Acetone
Concen: 1.916 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN079900.D
Acq: 04 Nov 2023 18:05

Tgt Ion: 43 Resp: 2535
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#

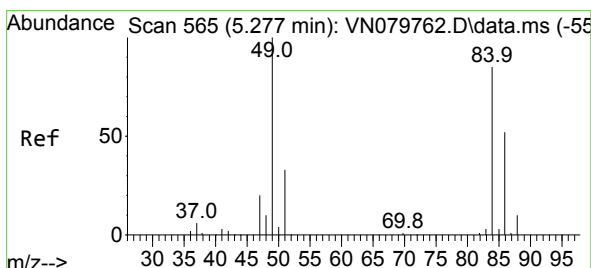
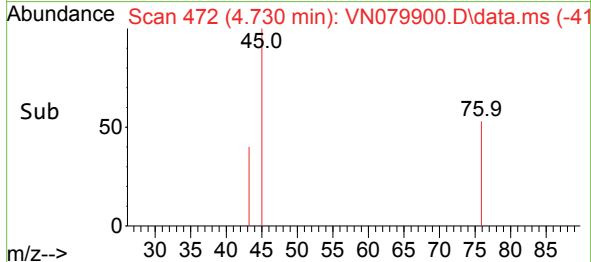
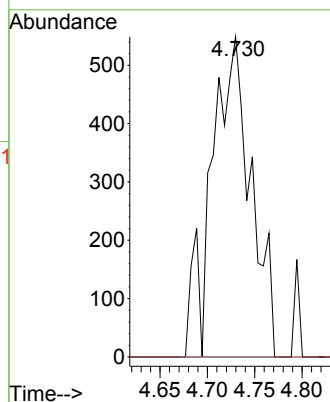
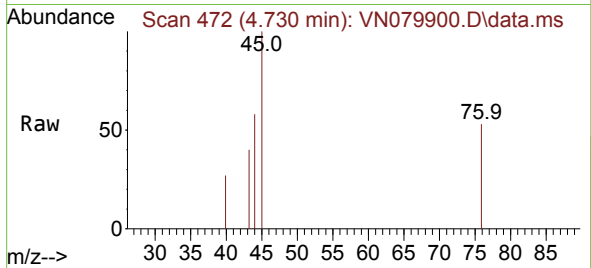




#17
Carbon Disulfide
Concen: 0.208 ug/l
RT: 4.730 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN079900.D
Acq: 04 Nov 2023 18:05

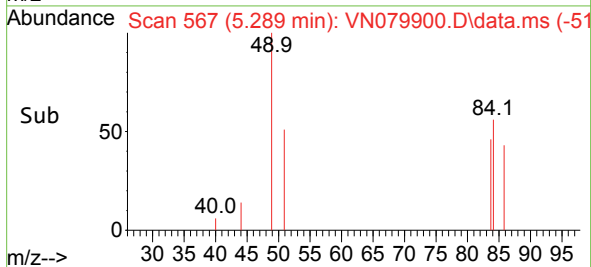
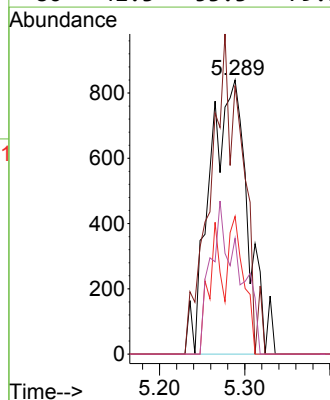
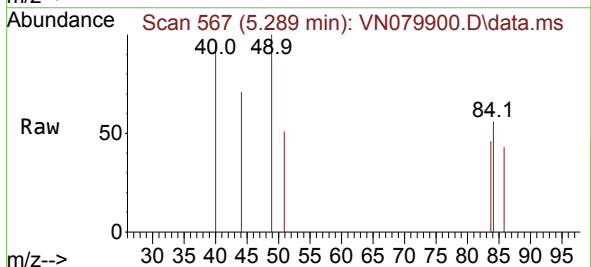
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-EVAL-03S-20231101DL

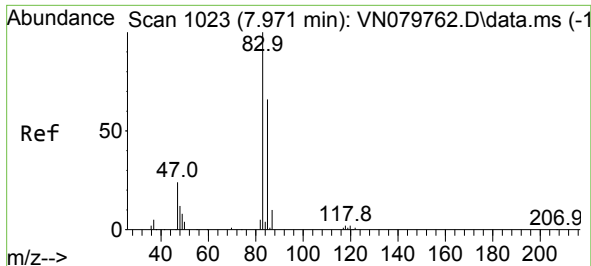
Tgt Ion: 76 Resp: 1593
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#20
Methylene Chloride
Concen: 0.783 ug/l
RT: 5.289 min Scan# 567
Delta R.T. 0.018 min
Lab File: VN079900.D
Acq: 04 Nov 2023 18:05

Tgt Ion: 84 Resp: 2615
Ion Ratio Lower Upper
84 100
49 98.0 79.7 119.5
51 50.2 25.2 37.8#
86 42.3 53.3 79.9#

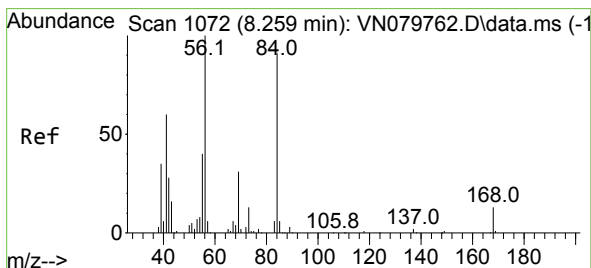
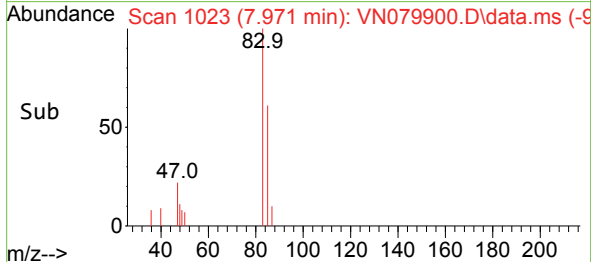
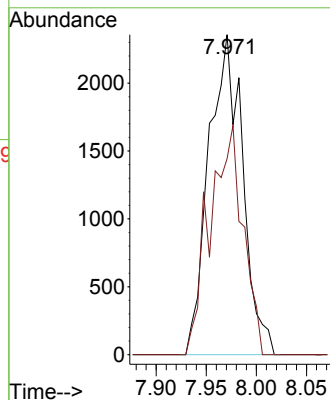
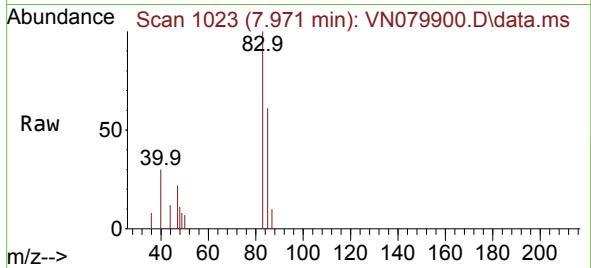




#30
Chloroform
Concen: 0.886 ug/l
RT: 7.971 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VN079900.D
Acq: 04 Nov 2023 18:05

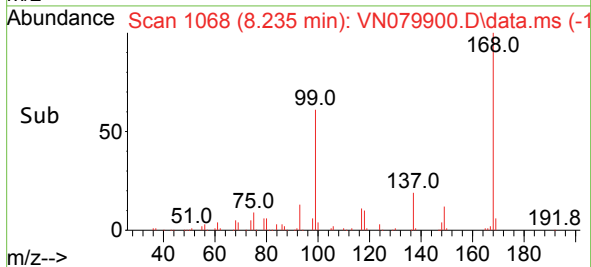
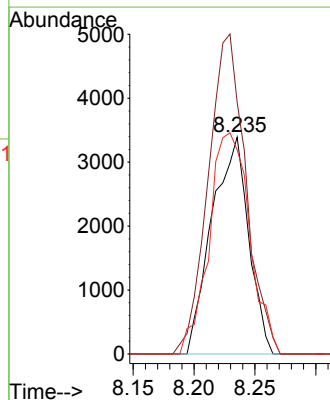
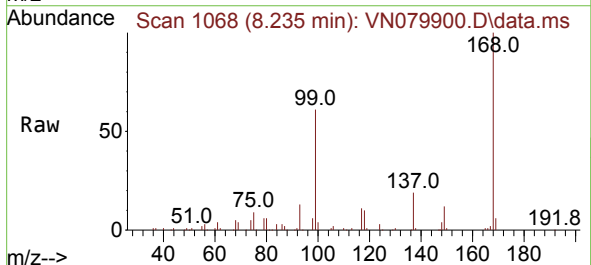
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-EVAL-03S-20231101DL

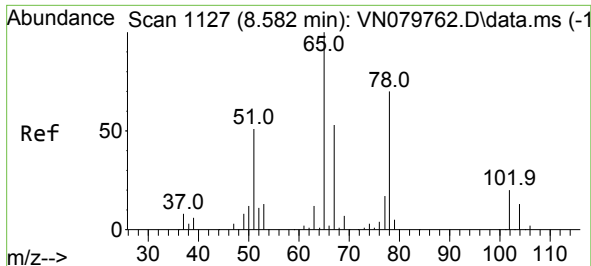
Tgt Ion: 83 Resp: 5524
Ion Ratio Lower Upper
83 100
85 61.3 55.4 83.0



#31
Cyclohexane
Concen: 1.432 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.023 min
Lab File: VN079900.D
Acq: 04 Nov 2023 18:05

Tgt Ion: 56 Resp: 7129
Ion Ratio Lower Upper
56 100
69 116.1 26.8 40.2#
84 94.2 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 59.626 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079900.D

Acq: 04 Nov 2023 18:05

Instrument :

MSVOA_N

ClientSampleId :

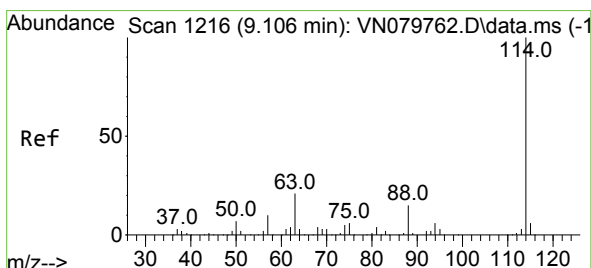
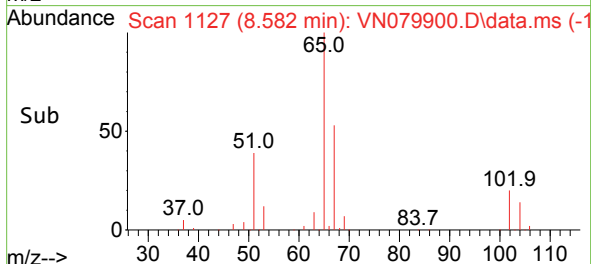
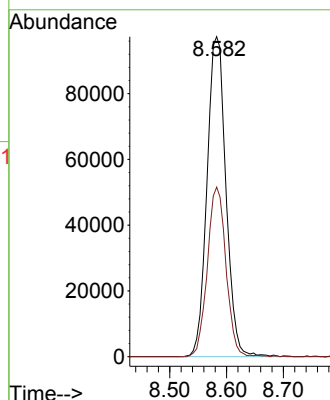
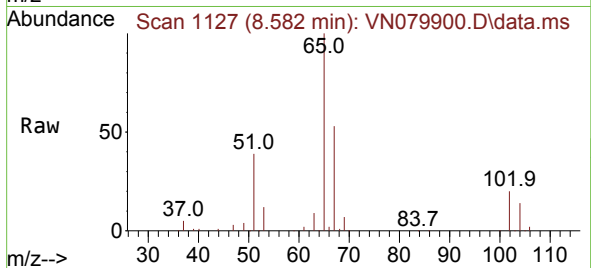
FSND-MW-EVAL-03S-20231101DL

Tgt Ion: 65 Resp: 224605

Ion Ratio Lower Upper

65 100

67 52.1 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN079900.D

Acq: 04 Nov 2023 18:05

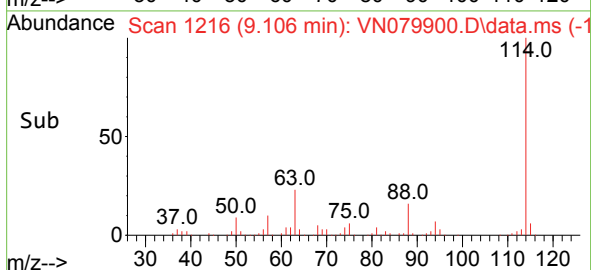
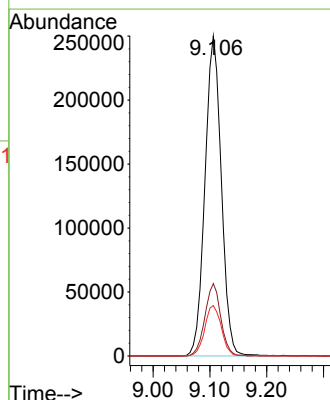
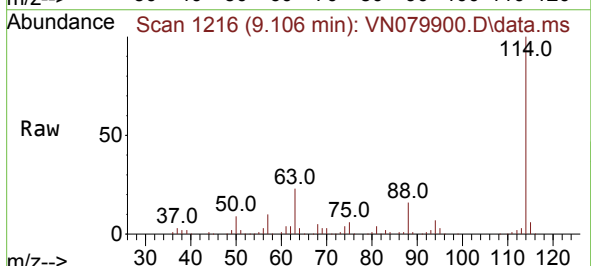
Tgt Ion: 114 Resp: 499432

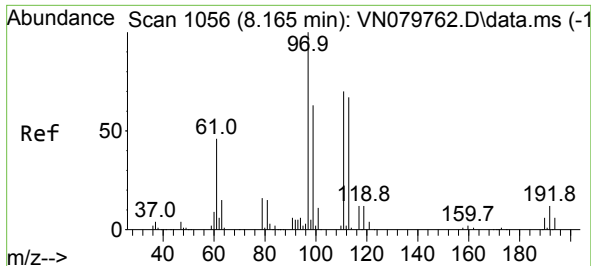
Ion Ratio Lower Upper

114 100

63 22.6 0.0 36.4

88 15.8 0.0 30.6





#35

Dibromofluoromethane

Concen: 52.554 ug/l

RT: 8.171 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN079900.D

Acq: 04 Nov 2023 18:05

Instrument :

MSVOA_N

ClientSampleId :

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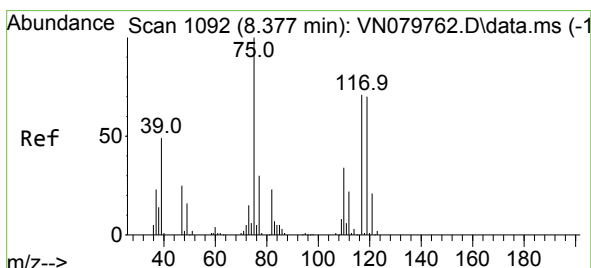
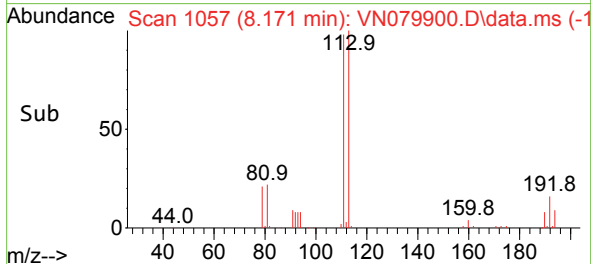
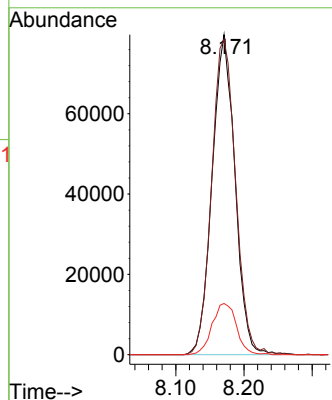
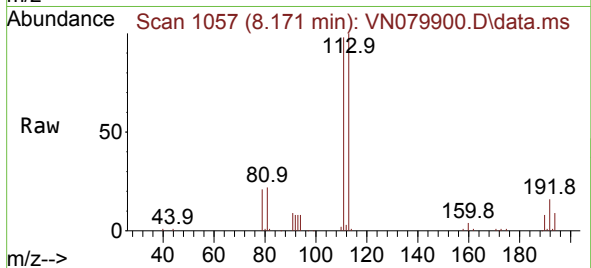
Tgt Ion:113 Resp: 185767

Ion Ratio Lower Upper

113 100

111 103.4 82.6 123.8

192 17.1 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.797 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

Lab File: VN079900.D

Acq: 04 Nov 2023 18:05

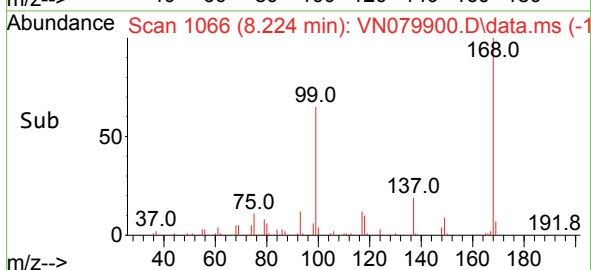
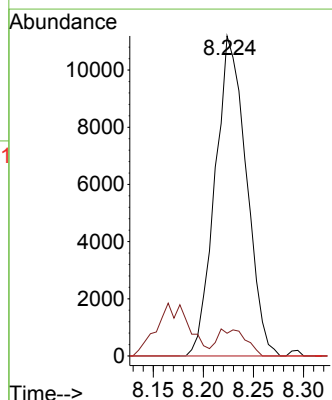
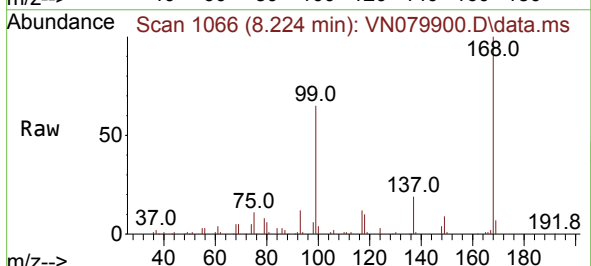
Tgt Ion: 75 Resp: 24211

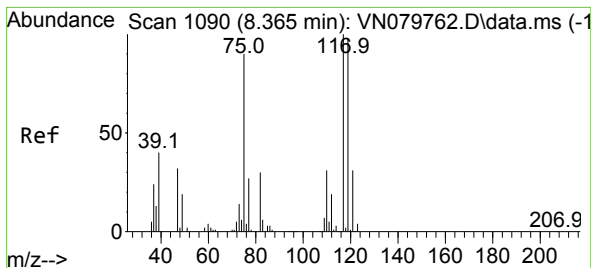
Ion Ratio Lower Upper

75 100

110 7.6 19.1 57.3#

77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.438 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN079900.D

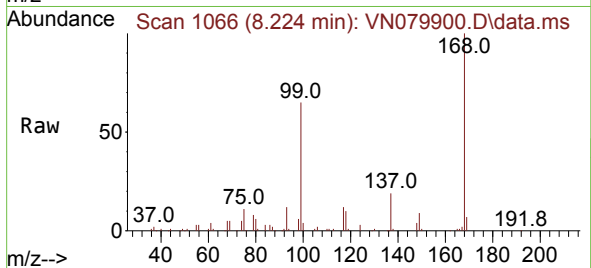
Acq: 04 Nov 2023 18:05

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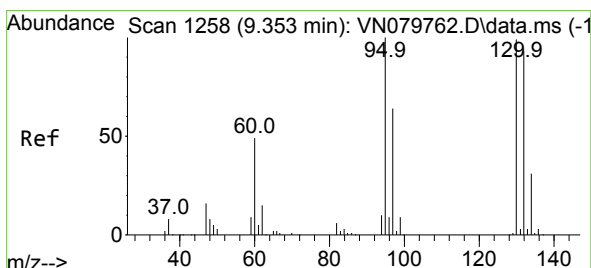
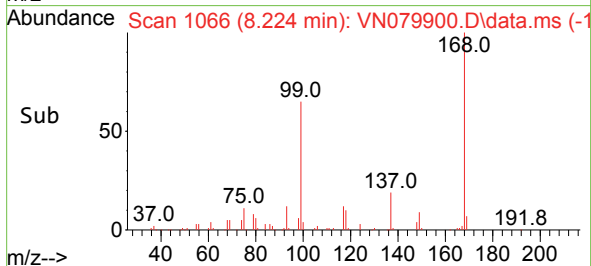
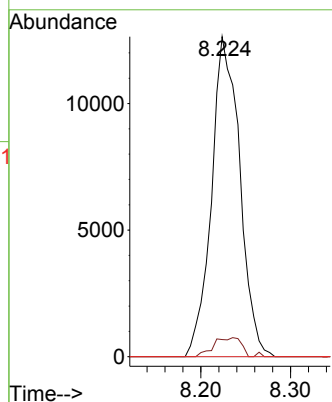
Tgt Ion:117 Resp: 27658

Ion Ratio Lower Upper

117 100

119 5.4 77.3 115.9#

121 0.0 23.3 34.9#



#44

Trichloroethene

Concen: 21.325 ug/l

RT: 9.359 min Scan# 1259

Delta R.T. 0.006 min

Lab File: VN079900.D

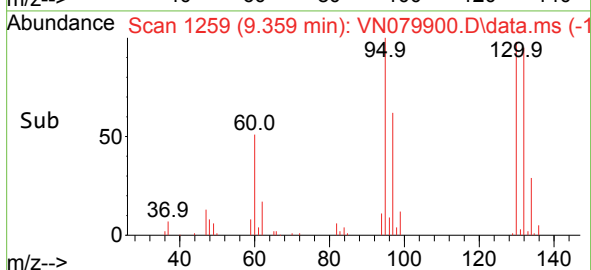
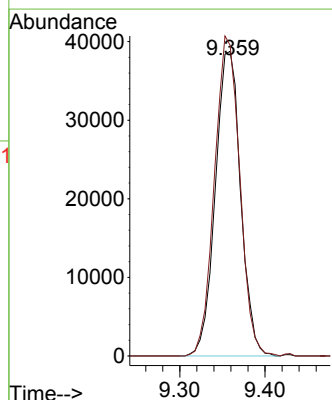
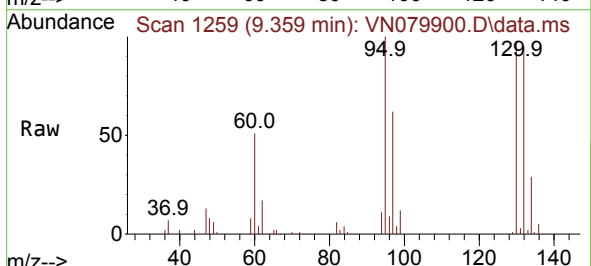
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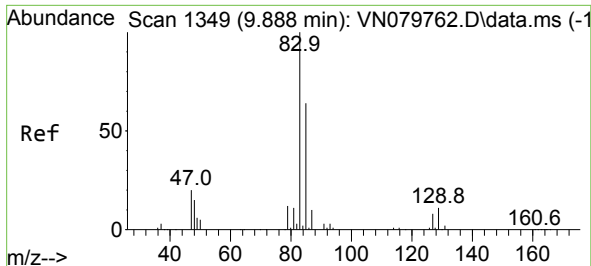
Tgt Ion:130 Resp: 79992

Ion Ratio Lower Upper

130 100

95 102.0 0.0 204.6

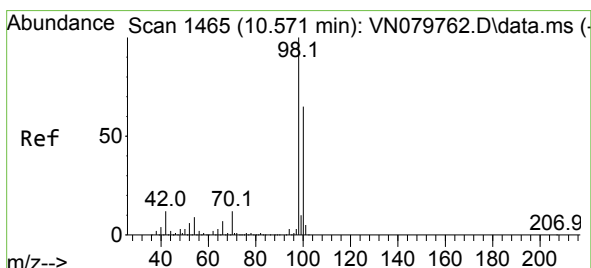
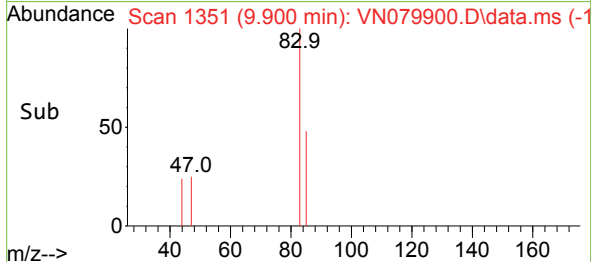
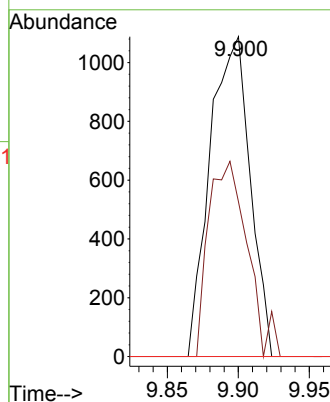
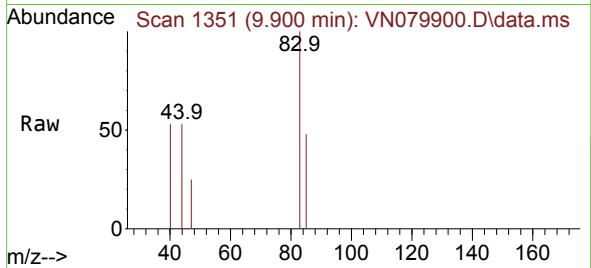




#47
Bromodichloromethane
Concen: 0.380 ug/l
RT: 9.900 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN079900.D
Acq: 04 Nov 2023 18:05

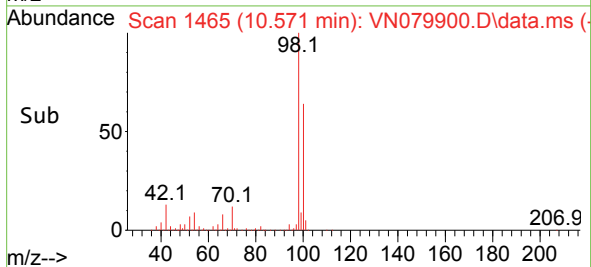
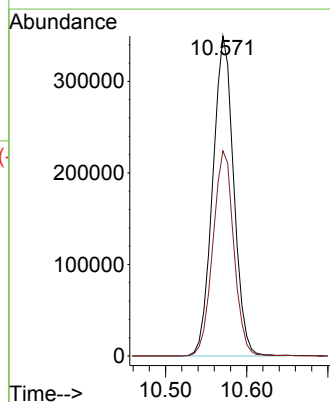
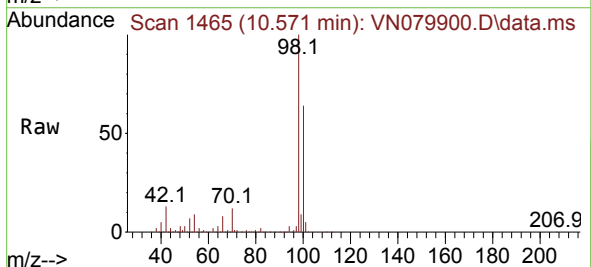
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-EVAL-03S-20231101DL

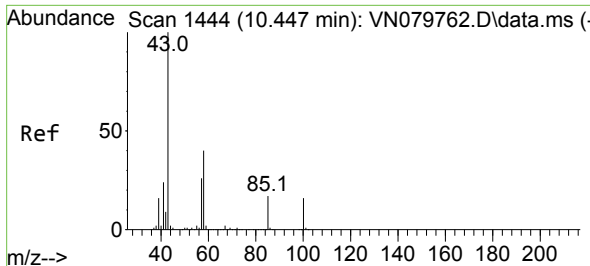
Tgt Ion: 83 Resp: 2137
Ion Ratio Lower Upper
83 100
85 48.4 49.6 74.4#
127 0.0 7.0 10.6#



#50
Toluene-d8
Concen: 48.183 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079900.D
Acq: 04 Nov 2023 18:05

Tgt Ion: 98 Resp: 626996
Ion Ratio Lower Upper
98 100
100 64.0 52.0 78.0

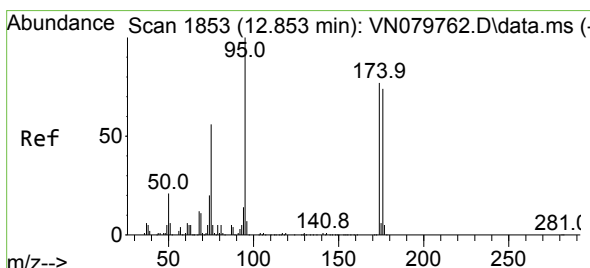
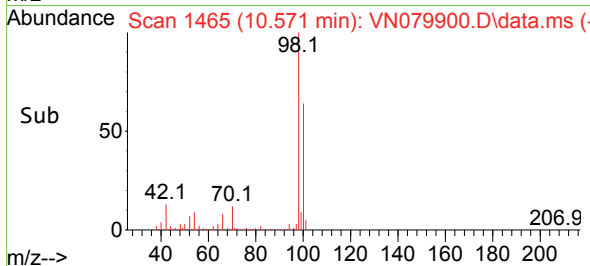
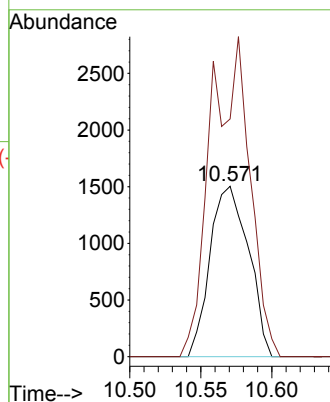
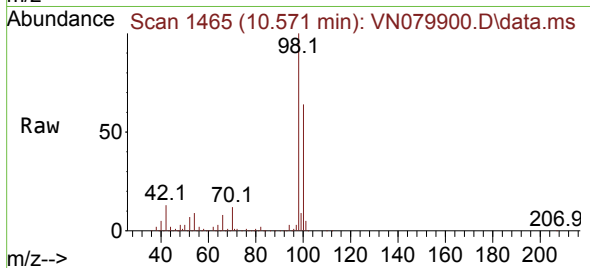




#51
4-Methyl-2-Pentanone
Concen: 0.621 ug/l
RT: 10.571 min Scan# 1444
Delta R.T. 0.124 min
Lab File: VN079900.D
Acq: 04 Nov 2023 18:05

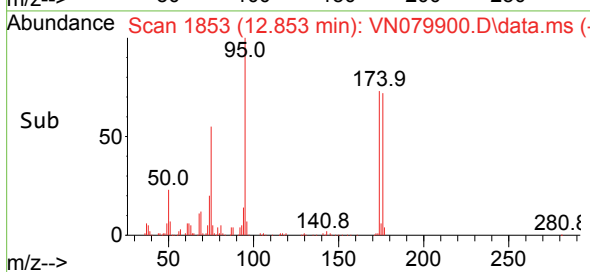
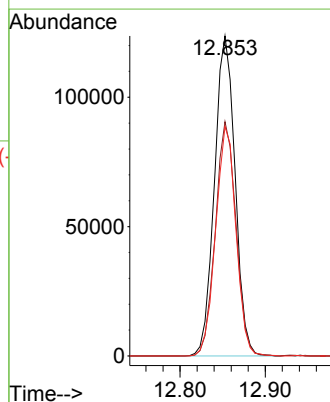
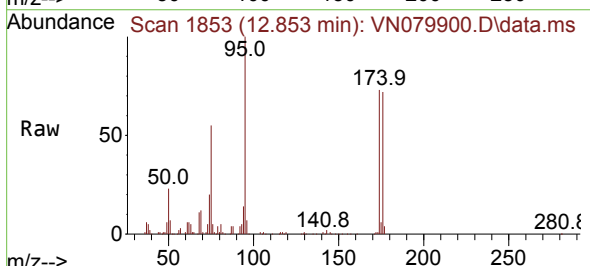
Instrument : MSVOA_N
ClientSampleId : FSND-MW-EVAL-03S-20231101DL

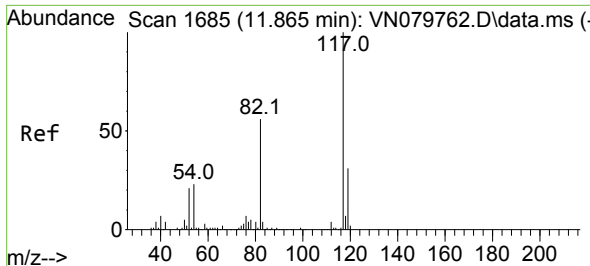
Tgt Ion: 43 Resp: 2837
Ion Ratio Lower Upper
43 100
58 190.1 36.6 54.8#



#62
4-Bromofluorobenzene
Concen: 48.138 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079900.D
Acq: 04 Nov 2023 18:05

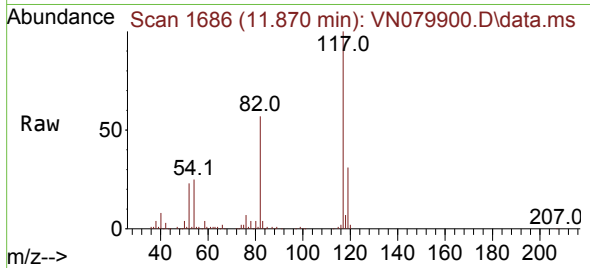
Tgt Ion: 95 Resp: 207750
Ion Ratio Lower Upper
95 100
174 73.4 0.0 143.8
176 70.7 0.0 135.8



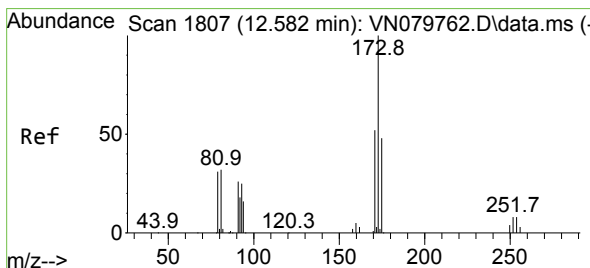
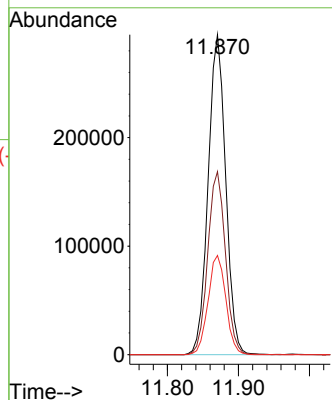
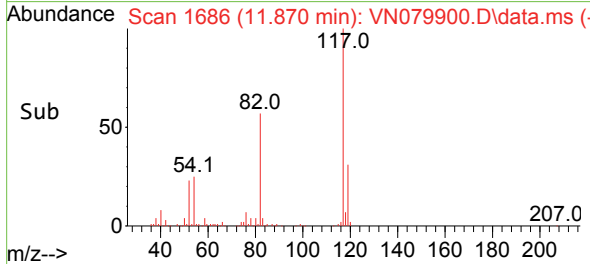


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN079900.D
Acq: 04 Nov 2023 18:05

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

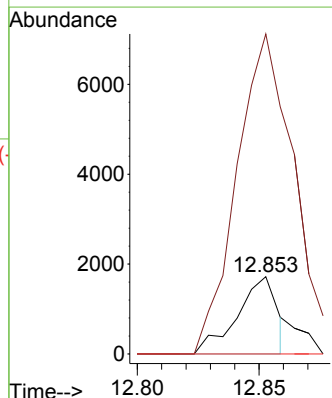
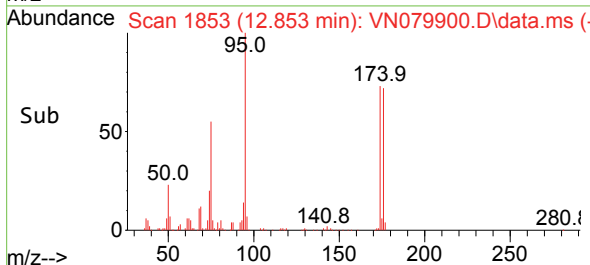
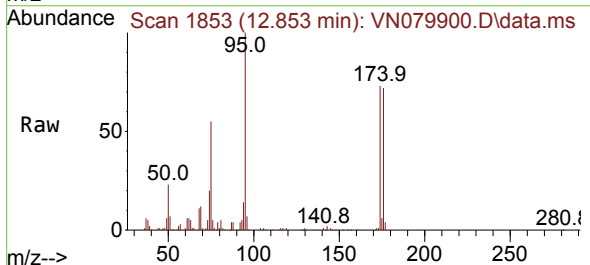


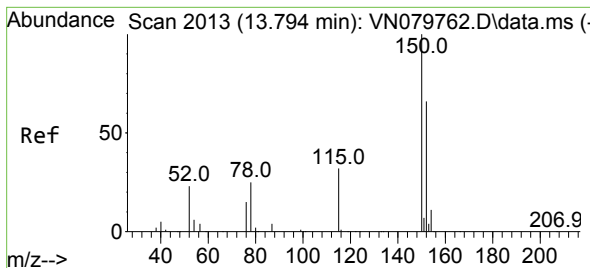
Tgt Ion:117 Resp: 507413
Ion Ratio Lower Upper
117 100
82 57.2 44.0 66.0
119 31.0 25.6 38.4



#71
Bromoform
Concen: 0.698 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN079900.D
Acq: 04 Nov 2023 18:05

Tgt Ion:173 Resp: 1966
Ion Ratio Lower Upper
173 100
175 458.3 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: VN079900.D

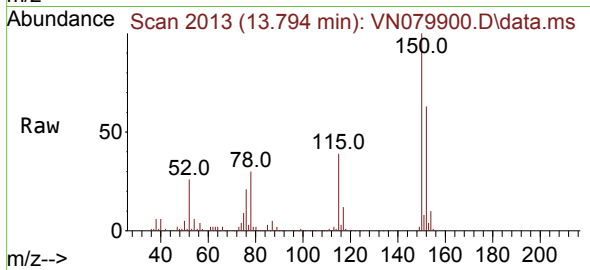
Acq: 04 Nov 2023 18:05

Instrument :

MSVOA_N

ClientSampleId :

FSND-MW-EVAL-03S-20231101DL



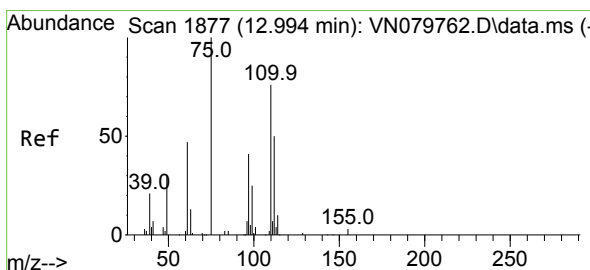
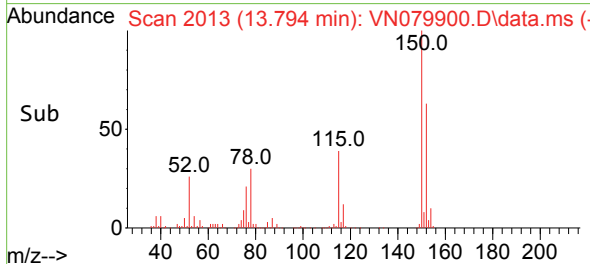
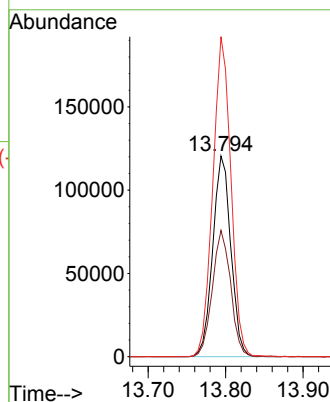
Tgt Ion:152 Resp: 195451

Ion Ratio Lower Upper

152 100

115 63.6 32.3 96.8

150 159.5 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 25.204 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN079900.D

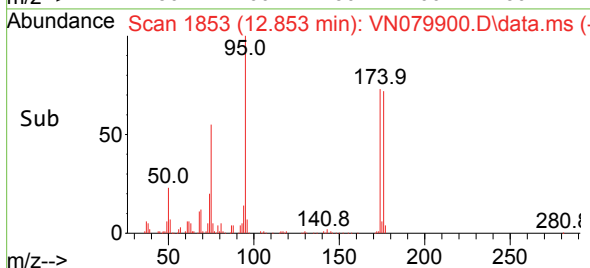
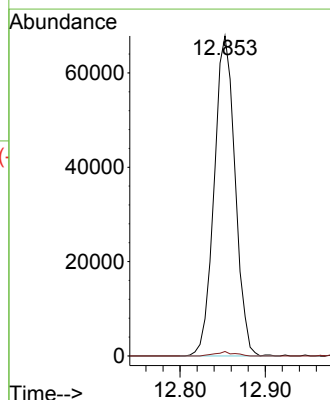
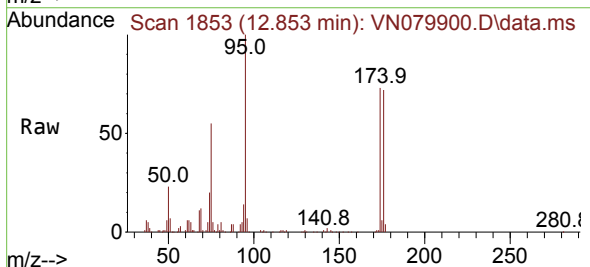
Acq: 04 Nov 2023 18:05

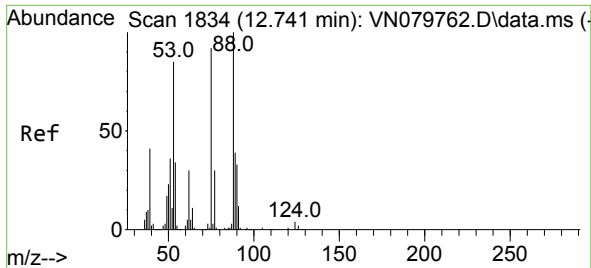
Tgt Ion: 75 Resp: 115652

Ion Ratio Lower Upper

75 100

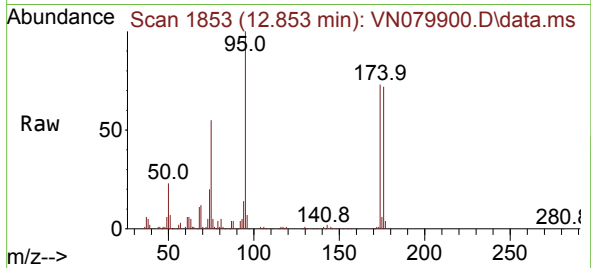
77 1.2 84.5 253.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 68.575 ug/l
RT: 12.853 min Scan# 115652
Delta R.T. 0.118 min
Lab File: VN079900.D
Acq: 04 Nov 2023 18:05

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



Tgt Ion: 75 Resp: 115652
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#

