

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110323\
 Data File : VN079875.D
 Acq On : 04 Nov 2023 04:21
 Operator : JC\MD
 Sample : 05223-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FSND-MW-5-20231031

Quant Time: Nov 04 06:13:11 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)

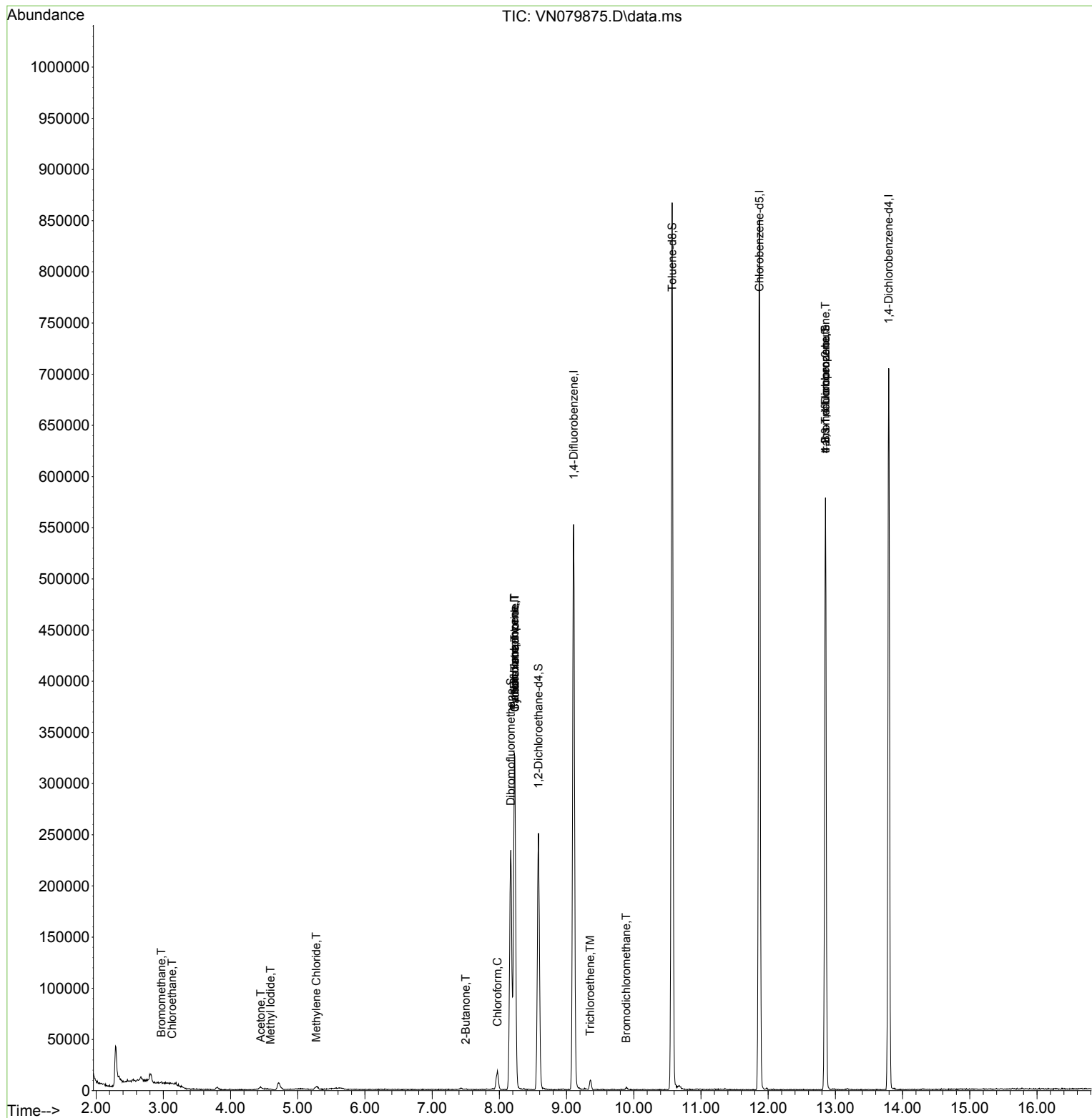
Internal Standards						
1) Pentafluorobenzene	8.224	168	229633	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	464377	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	477333	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	182807	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	202704	57.940	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.880%			
35) Dibromofluoromethane	8.171	113	167175	50.865	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.720%			
50) Toluene-d8	10.571	98	568844	47.014	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.020%			
62) 4-Bromofluorobenzene	12.853	95	189942	47.334	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 94.660%			
Target Compounds			Qvalue			
3) Chloromethane	2.353	50	1377	Below Cal #		42
5) Bromomethane	2.971	94	467	0.212 ug/l #		76
6) Chloroethane	3.130	64	592	0.207 ug/l #		43
10) Methyl Iodide	4.594	142	672	0.225 ug/l #		38
16) Acetone	4.447	43	3387	2.756 ug/l		92
20) Methylene Chloride	5.277	84	2237	0.721 ug/l #		85
25) 2-Butanone	7.500	43	613	0.341 ug/l #		37
30) Chloroform	7.971	83	17605	3.039 ug/l		96
31) Cyclohexane	8.230	56	5716	1.236 ug/l #		9
36) 1,1-Dichloropropene	8.224	75	19569	4.170 ug/l #		49
38) Carbon Tetrachloride	8.230	117	23968	5.068 ug/l #		15
44) Trichloroethene	9.353	130	3535	1.014 ug/l		75
47) Bromodichloromethane	9.888	83	2016	0.385 ug/l #		58
76) 1,2,3-Trichloropropane	12.853	75	105624	24.611 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.853	75	105624	66.960 ug/l #		15

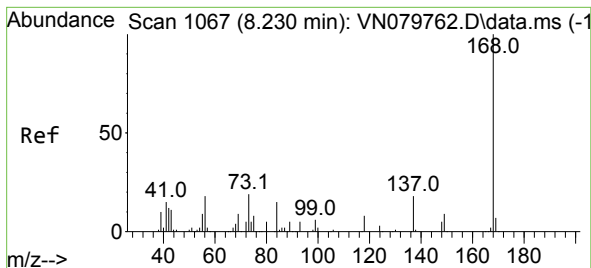
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.005 min

Lab File: VN079875.D

Acq: 04 Nov 2023 04:21

Instrument :

MSVOA_N

ClientSampleId :

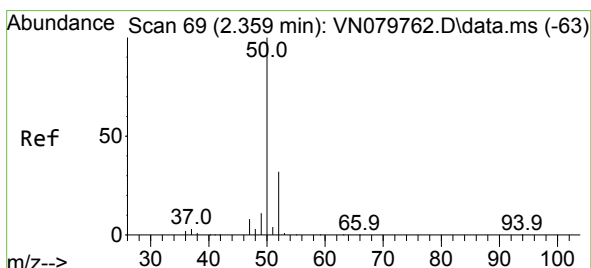
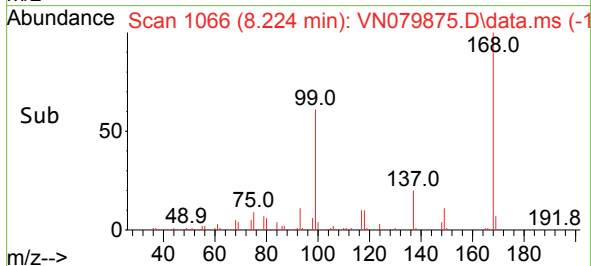
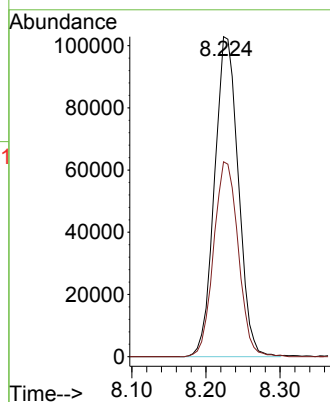
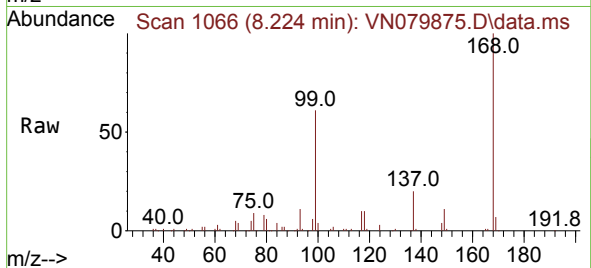
FSND-MW-5-20231031

Tgt Ion:168 Resp: 229633

Ion Ratio Lower Upper

168 100

99 60.9 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.353 min Scan# 68

Delta R.T. -0.006 min

Lab File: VN079875.D

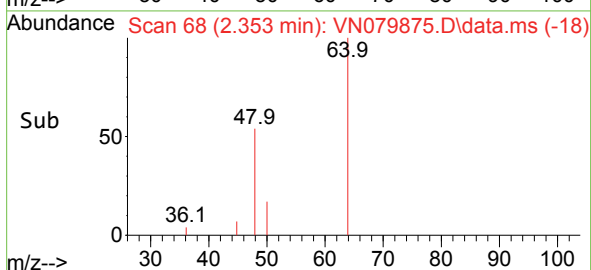
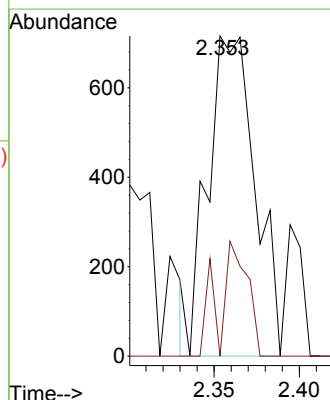
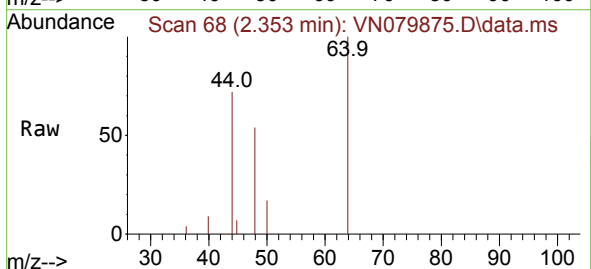
Acq: 04 Nov 2023 04:21

Tgt Ion: 50 Resp: 1377

Ion Ratio Lower Upper

50 100

52 0.0 26.5 39.7#





#5

Bromomethane

Concen: 0.212 ug/l

RT: 2.971 min Scan# 11

Delta R.T. 0.018 min

Lab File: VN079875.D

Acq: 04 Nov 2023 04:21

Instrument :

MSVOA_N

ClientSampleId :

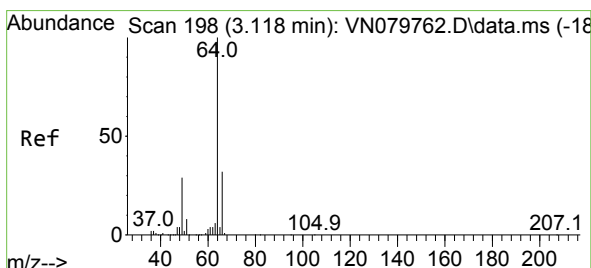
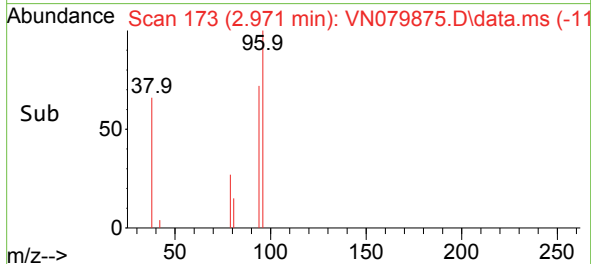
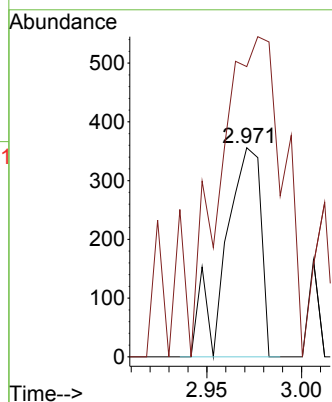
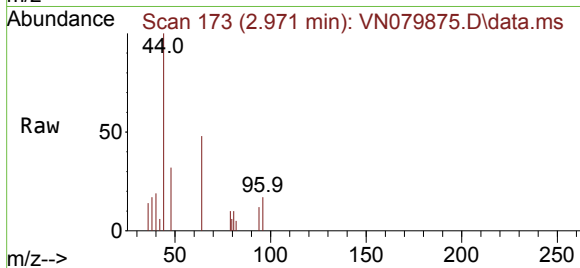
FSND-MW-5-20231031

Tgt Ion: 94 Resp: 467

Ion Ratio Lower Upper

94 100

96 68.3 73.1 109.7#



#6

Chloroethane

Concen: 0.207 ug/l

RT: 3.130 min Scan# 200

Delta R.T. 0.012 min

Lab File: VN079875.D

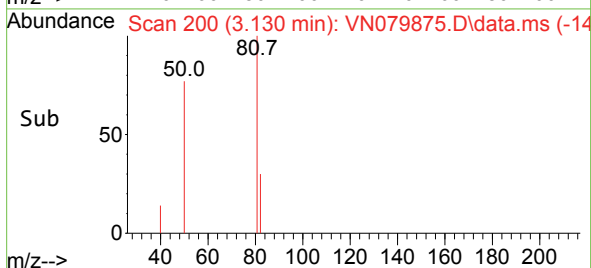
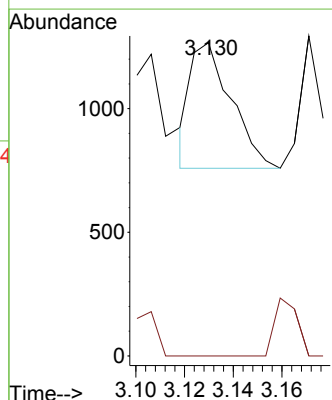
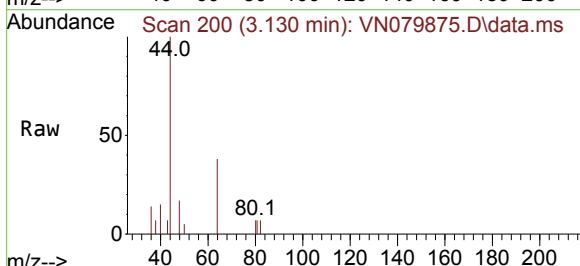
Acq: 04 Nov 2023 04:21

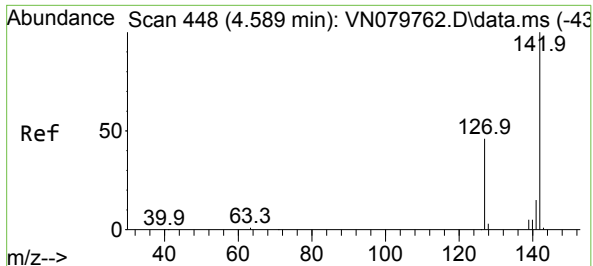
Tgt Ion: 64 Resp: 592

Ion Ratio Lower Upper

64 100

66 0.0 25.4 38.2#

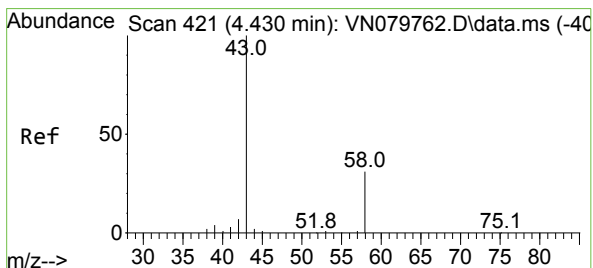
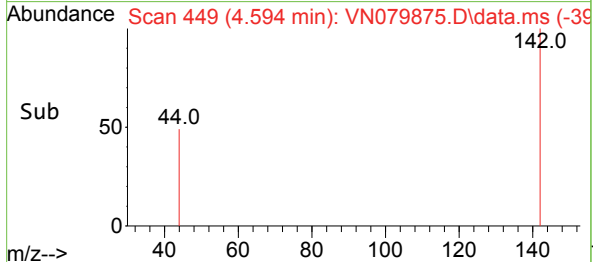
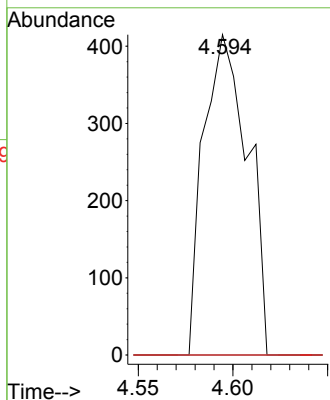
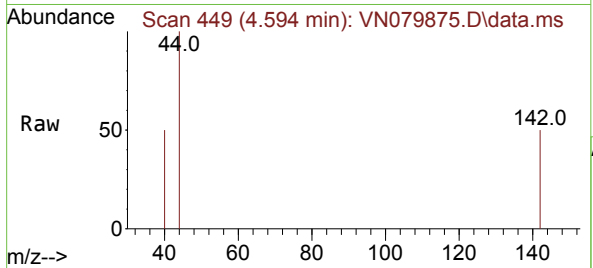




#10
Methyl Iodide
Concen: 0.225 ug/l
RT: 4.594 min Scan# 448
Delta R.T. 0.000 min
Lab File: VN079875.D
Acq: 04 Nov 2023 04:21

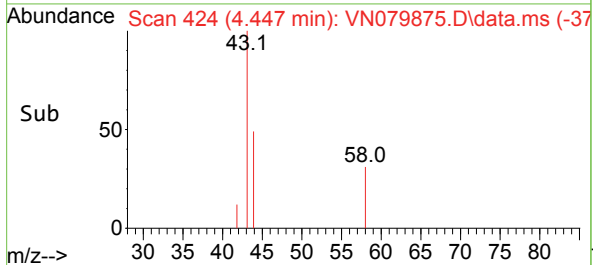
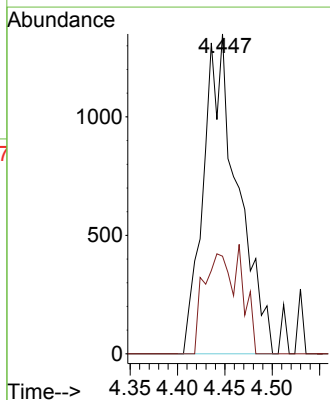
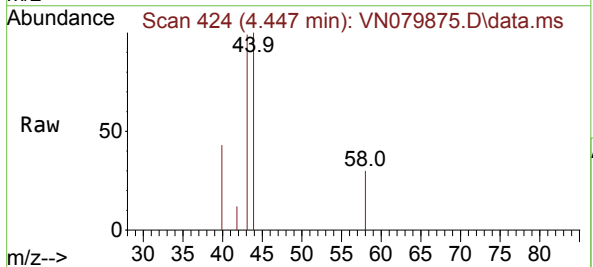
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-5-20231031

Tgt Ion:142 Resp: 672
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.4 17.0#



#16
Acetone
Concen: 2.756 ug/l
RT: 4.447 min Scan# 424
Delta R.T. 0.018 min
Lab File: VN079875.D
Acq: 04 Nov 2023 04:21

Tgt Ion: 43 Resp: 3387
Ion Ratio Lower Upper
43 100
58 30.5 28.0 42.0

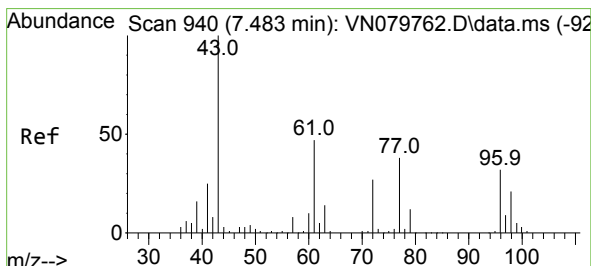
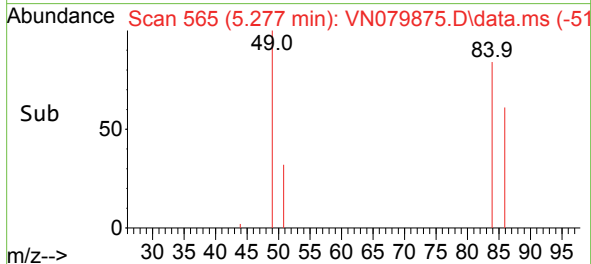
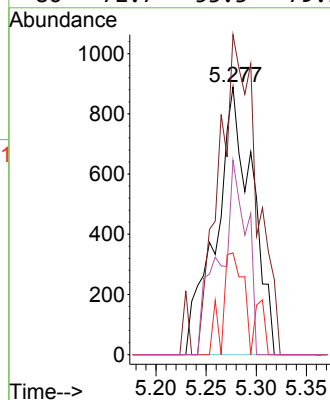
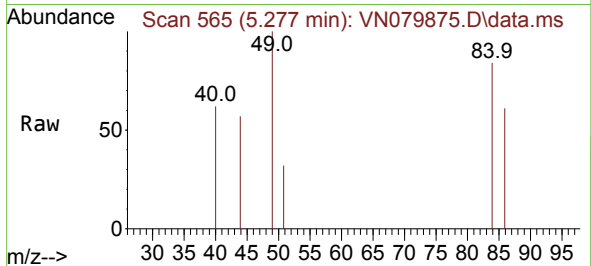




#20
Methylene Chloride
Concen: 0.721 ug/l
RT: 5.277 min Scan# 50
Delta R.T. 0.006 min
Lab File: VN079875.D
Acq: 04 Nov 2023 04:21

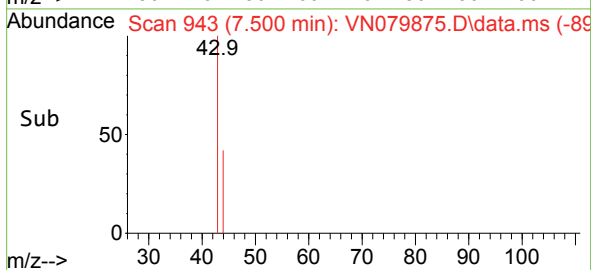
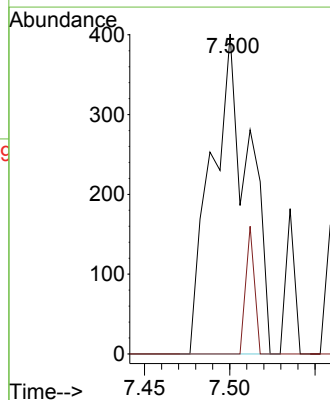
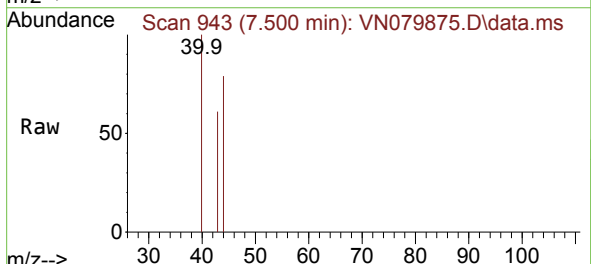
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-5-20231031

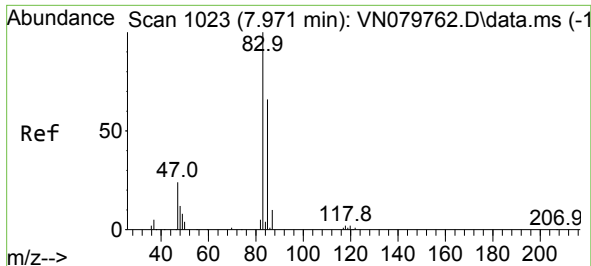
Tgt Ion:	84	Resp:	2237
Ion	Ratio	Lower	Upper
84	100		
49	119.6	79.7	119.5#
51	38.0	25.2	37.8#
86	72.7	53.3	79.9



#25
2-Butanone
Concen: 0.341 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.012 min
Lab File: VN079875.D
Acq: 04 Nov 2023 04:21

Tgt Ion:	43	Resp:	613
Ion	Ratio	Lower	Upper
43	100		
72	0.0	30.2	45.2#

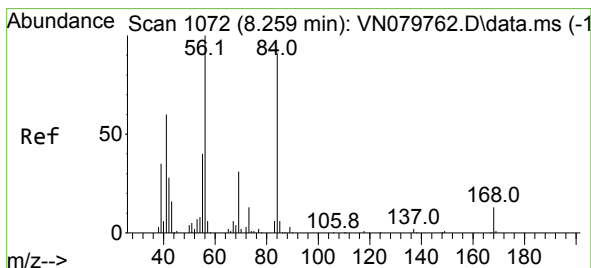
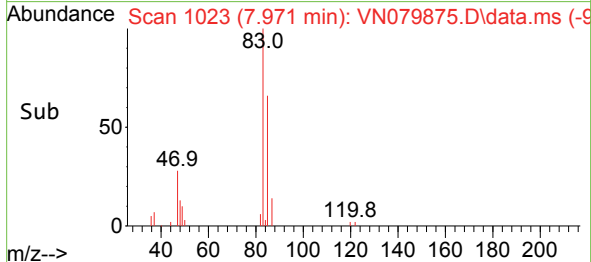
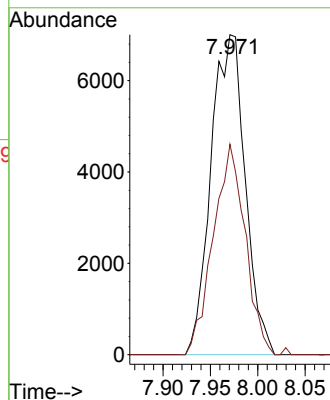
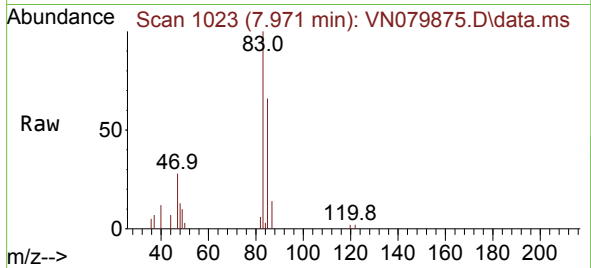




#30
Chloroform
Concen: 3.039 ug/l
RT: 7.971 min Scan# 1067
Delta R.T. 0.000 min
Lab File: VN079875.D
Acq: 04 Nov 2023 04:21

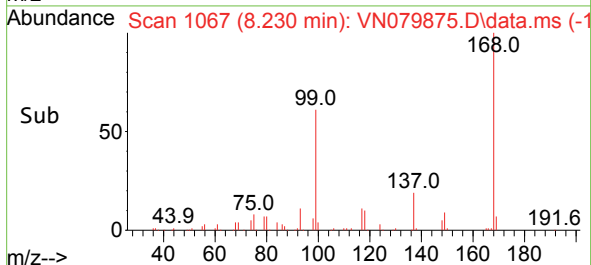
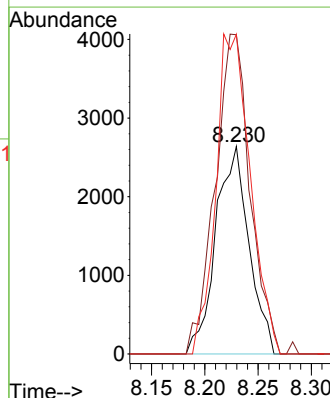
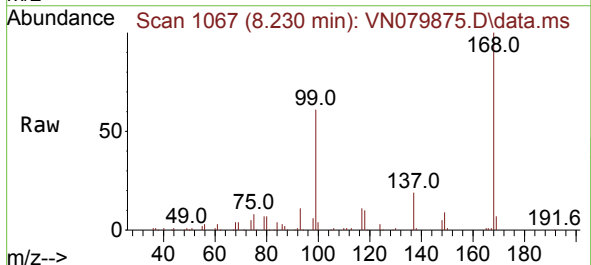
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-5-20231031

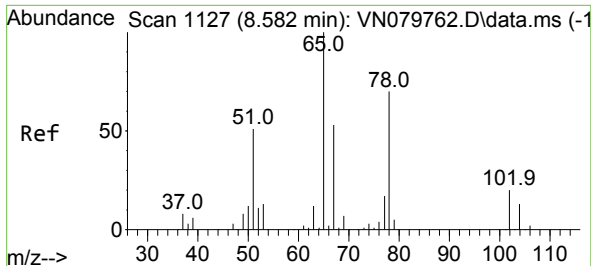
Tgt Ion: 83 Resp: 17605
Ion Ratio Lower Upper
83 100
85 65.8 55.4 83.0



#31
Cyclohexane
Concen: 1.236 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN079875.D
Acq: 04 Nov 2023 04:21

Tgt Ion: 56 Resp: 5716
Ion Ratio Lower Upper
56 100
69 153.8 26.8 40.2#
84 154.1 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 57.940 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079875.D

Acq: 04 Nov 2023 04:21

Instrument :

MSVOA_N

ClientSampleId :

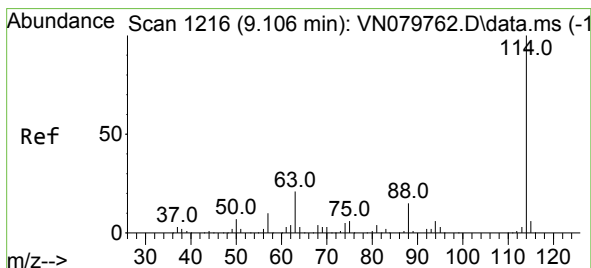
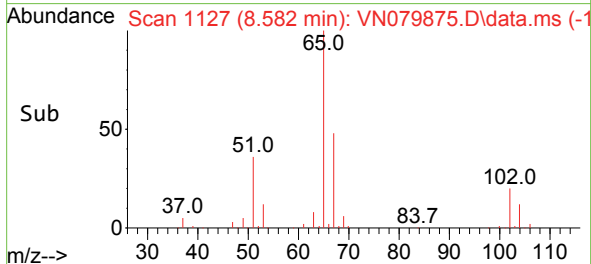
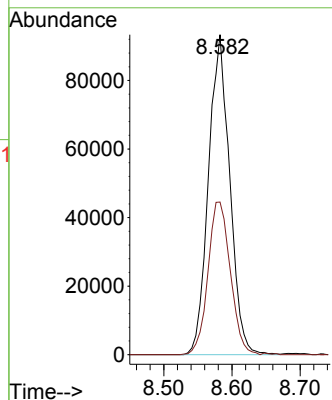
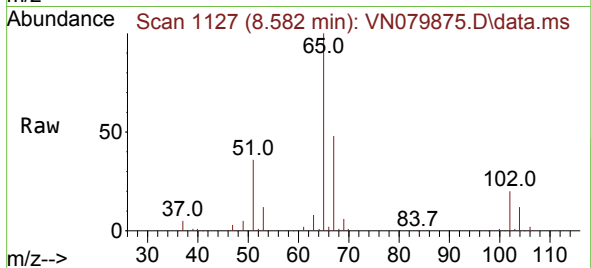
FSND-MW-5-20231031

Tgt Ion: 65 Resp: 202704

Ion Ratio Lower Upper

65 100

67 50.1 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: VN079875.D

Acq: 04 Nov 2023 04:21

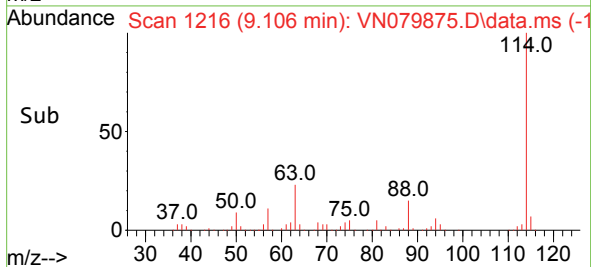
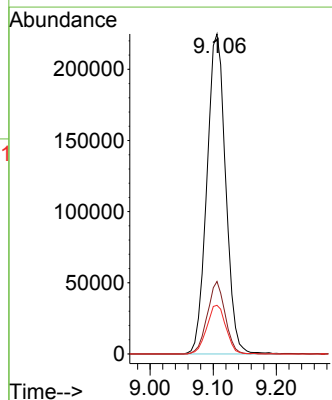
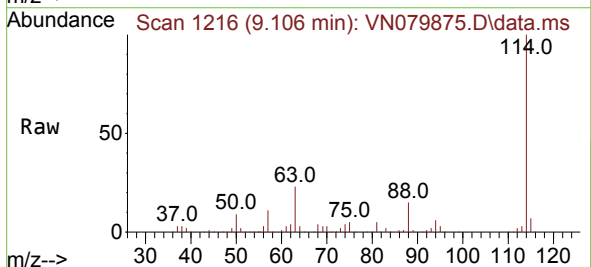
Tgt Ion: 114 Resp: 464377

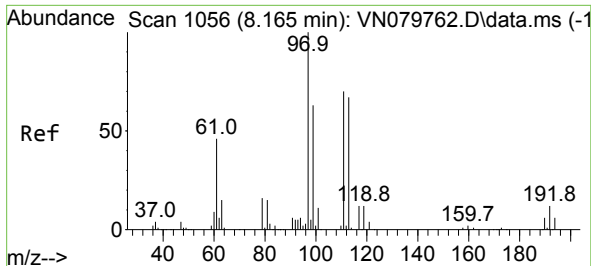
Ion Ratio Lower Upper

114 100

63 22.7 0.0 36.4

88 15.2 0.0 30.6





#35

Dibromofluoromethane

Concen: 50.865 ug/l

RT: 8.171 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN079875.D

Acq: 04 Nov 2023 04:21

Instrument :

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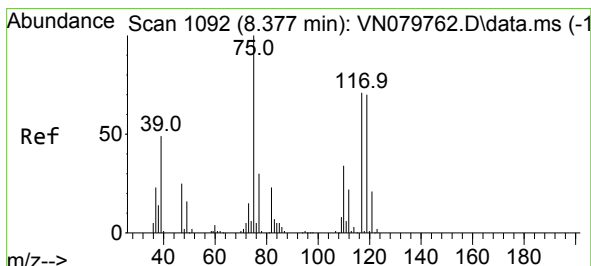
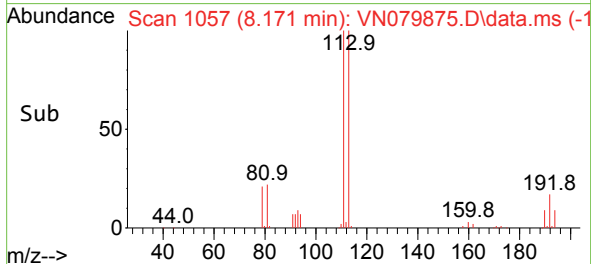
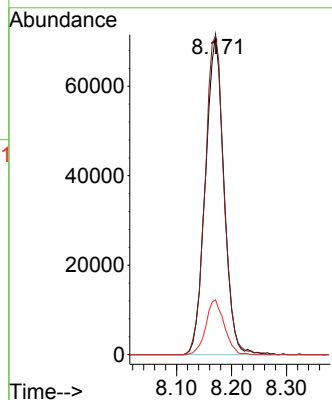
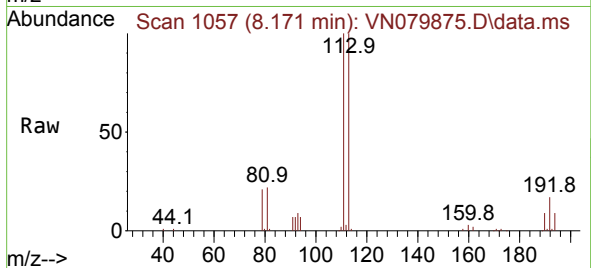
Tgt Ion:113 Resp: 167175

Ion Ratio Lower Upper

113 100

111 102.0 82.6 123.8

192 17.1 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.170 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

Lab File: VN079875.D

Acq: 04 Nov 2023 04:21

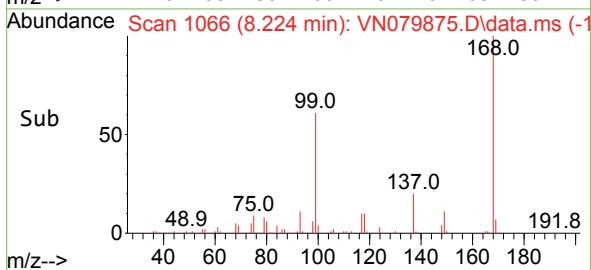
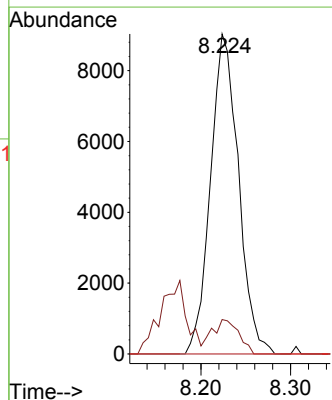
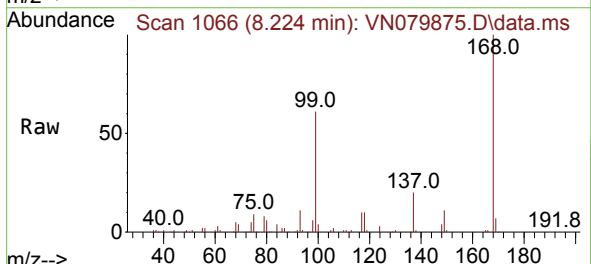
Tgt Ion: 75 Resp: 19569

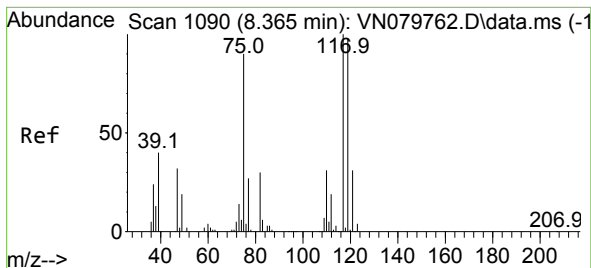
Ion Ratio Lower Upper

75 100

110 10.3 19.1 57.3#

77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.068 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.129 min

Lab File: VN079875.D

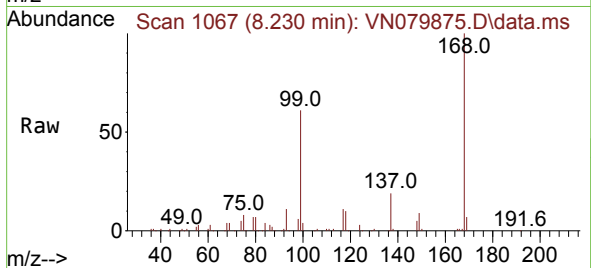
Acq: 04 Nov 2023 04:21

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FSND-MW-5-20231031



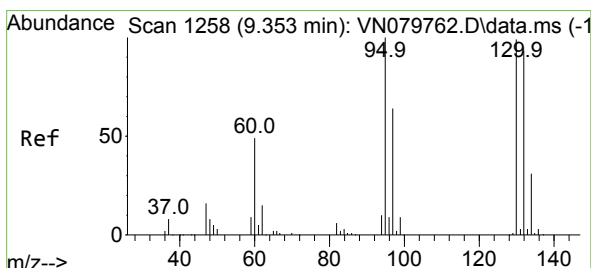
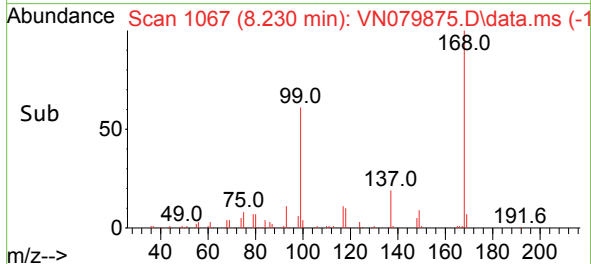
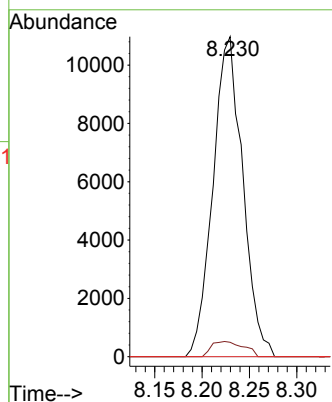
Tgt Ion:117 Resp: 23968

Ion Ratio Lower Upper

117 100

119 4.5 77.3 115.9#

121 0.0 23.3 34.9#



#44

Trichloroethene

Concen: 1.014 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VN079875.D

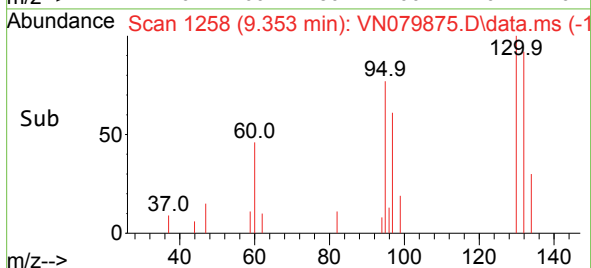
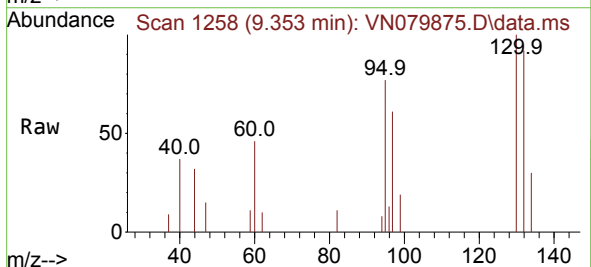
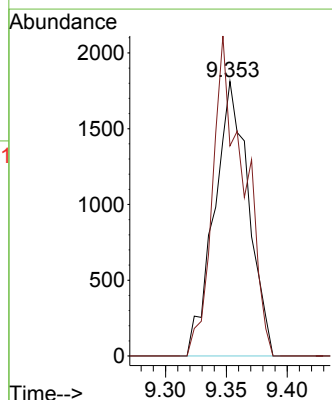
Acq: 04 Nov 2023 04:21

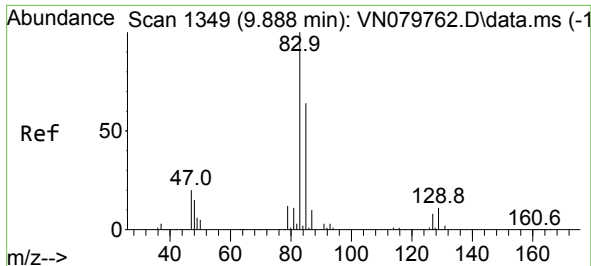
Tgt Ion:130 Resp: 3535

Ion Ratio Lower Upper

130 100

95 76.5 0.0 204.6

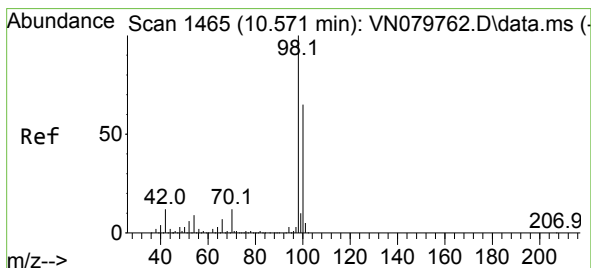
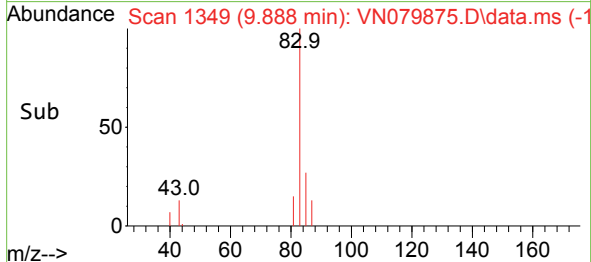
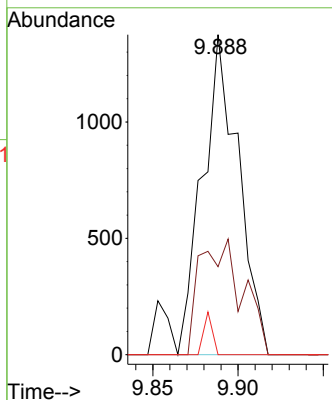
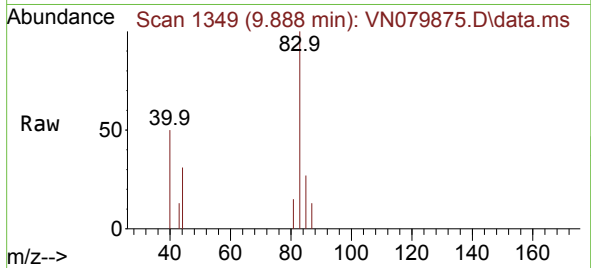




#47
Bromodichloromethane
Concen: 0.385 ug/l
RT: 9.888 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079875.D
Acq: 04 Nov 2023 04:21

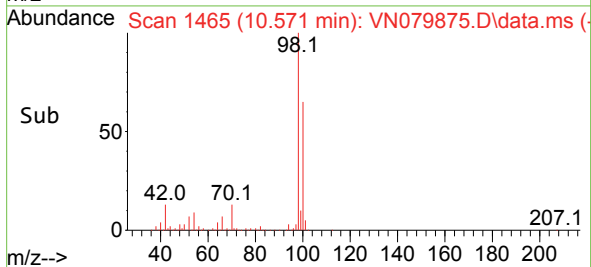
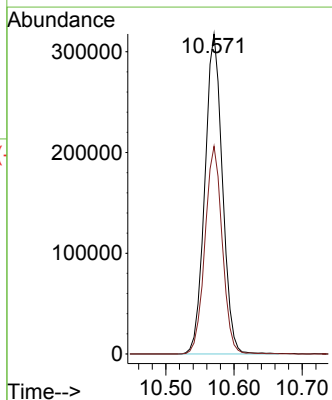
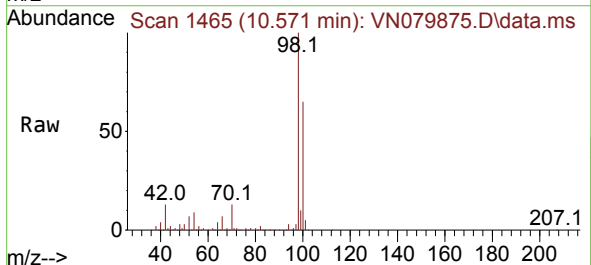
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-5-20231031

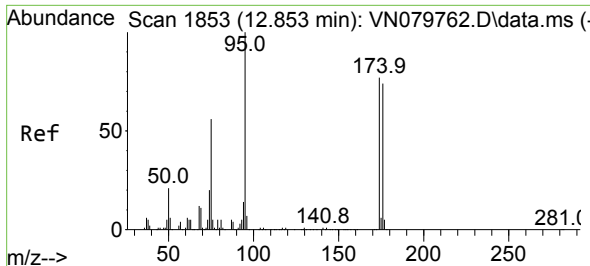
Tgt Ion: 83 Resp: 2016
Ion Ratio Lower Upper
83 100
85 27.5 49.6 74.4#
127 0.0 7.0 10.6#



#50
Toluene-d8
Concen: 47.014 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079875.D
Acq: 04 Nov 2023 04:21

Tgt Ion: 98 Resp: 568844
Ion Ratio Lower Upper
98 100
100 64.0 52.0 78.0

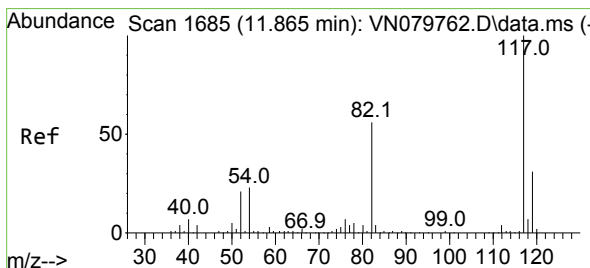
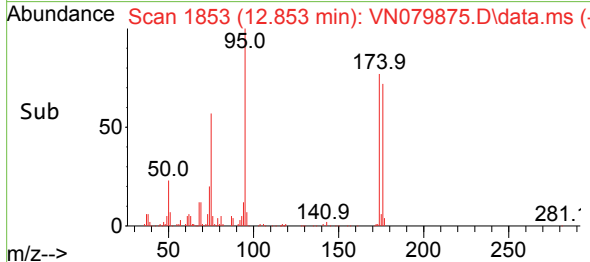
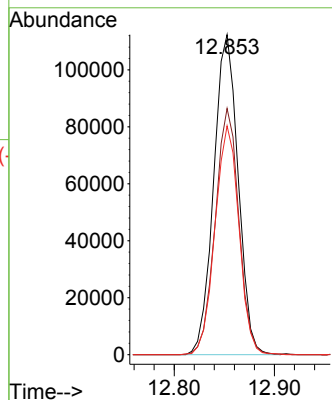
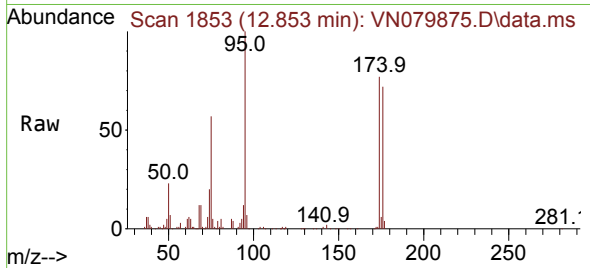




#62
4-Bromofluorobenzene
Concen: 47.334 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079875.D
Acq: 04 Nov 2023 04:21

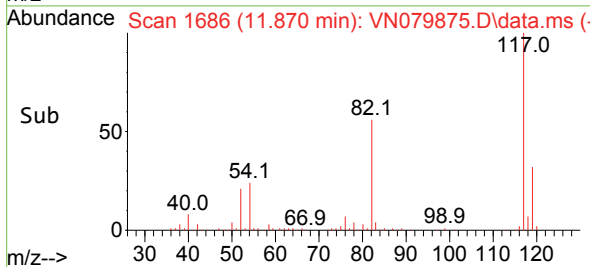
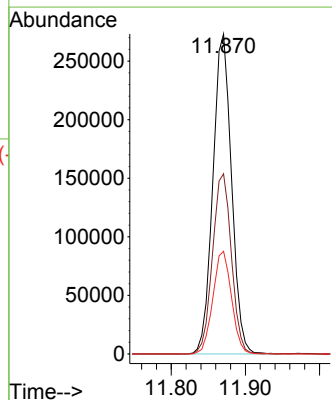
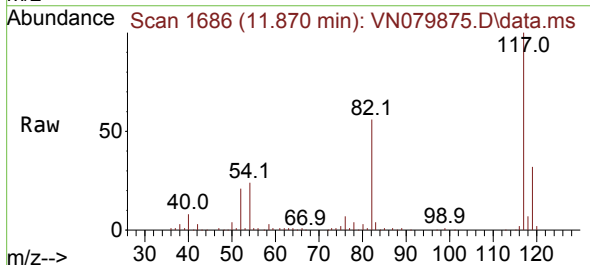
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-5-20231031

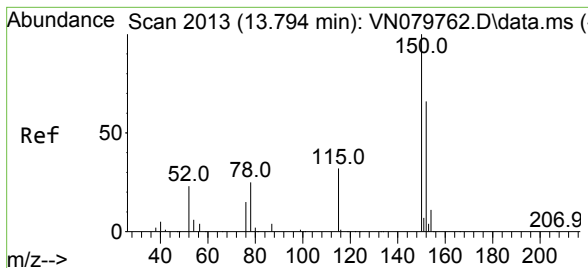
Tgt Ion: 95 Resp: 189942
Ion Ratio Lower Upper
95 100
174 74.8 0.0 143.8
176 70.1 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN079875.D
Acq: 04 Nov 2023 04:21

Tgt Ion: 117 Resp: 477333
Ion Ratio Lower Upper
117 100
82 56.3 44.0 66.0
119 32.1 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN079875.D

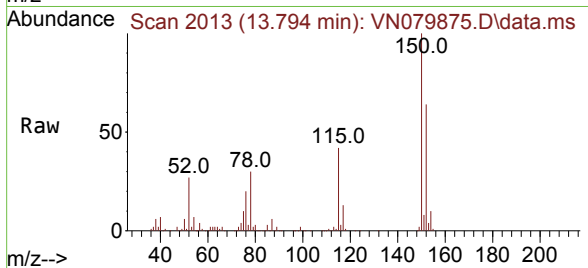
Acq: 04 Nov 2023 04:21

Instrument :

MSVOA_N

ClientSampleId :

FSND-MW-5-20231031



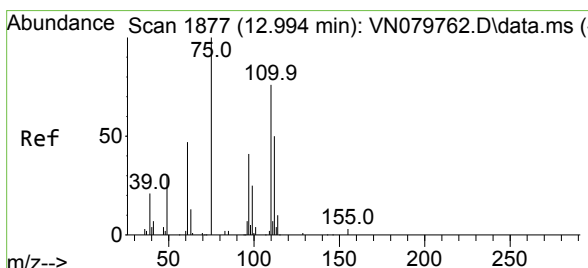
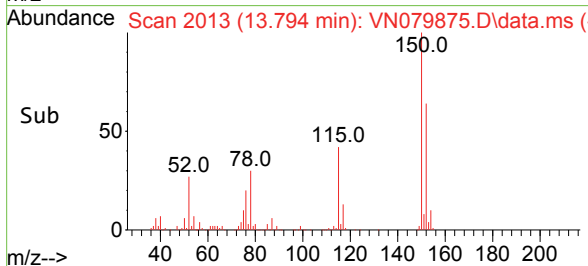
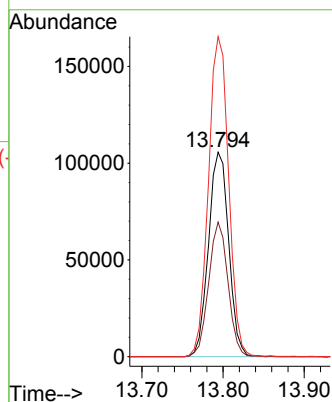
Tgt Ion:152 Resp: 182807

Ion Ratio Lower Upper

152 100

115 62.9 32.3 96.8

150 156.4 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 24.611 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN079875.D

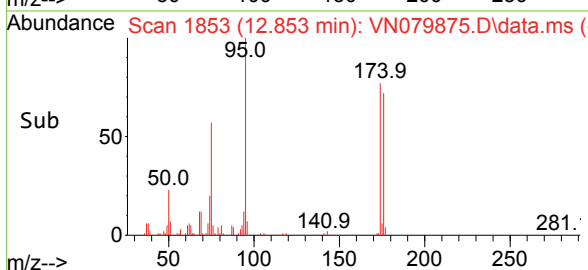
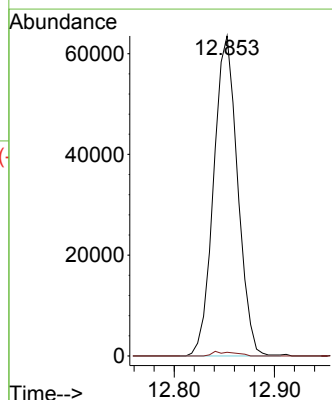
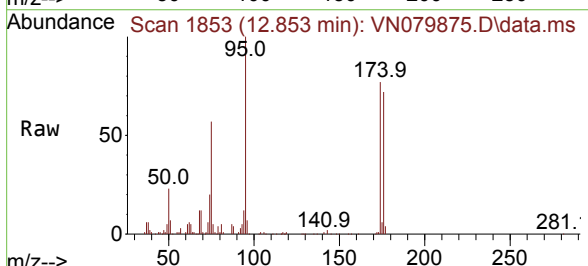
Acq: 04 Nov 2023 04:21

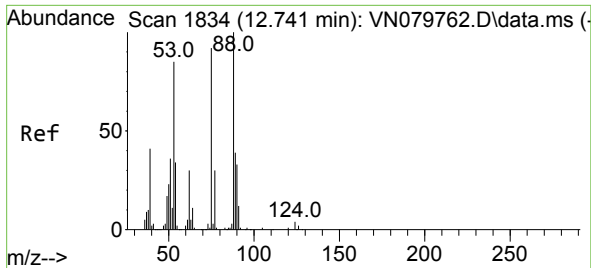
Tgt Ion: 75 Resp: 105624

Ion Ratio Lower Upper

75 100

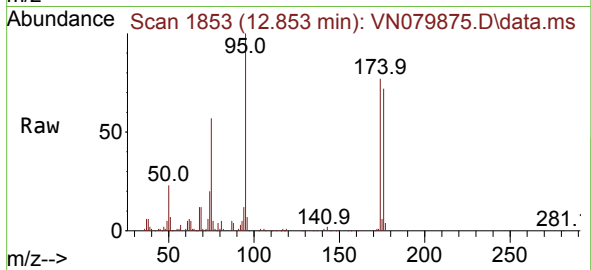
77 1.3 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.960 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN079875.D
 Acq: 04 Nov 2023 04:21

Instrument :
 MSVOA_N
 ClientSampleId :
 FSND-MW-5-20231031



Tgt Ion: 75 Resp: 105624
 Ion Ratio Lower Upper
 75 100
 53 0.1 67.4 101.2#
 89 0.0 38.8 58.2#

