

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110223\
 Data File : VN079826.D
 Acq On : 03 Nov 2023 05:33
 Operator : JC\MD
 Sample : 05222-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 47 Sample Multiplier: 1

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

Quant Time: Nov 03 07:45:41 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)

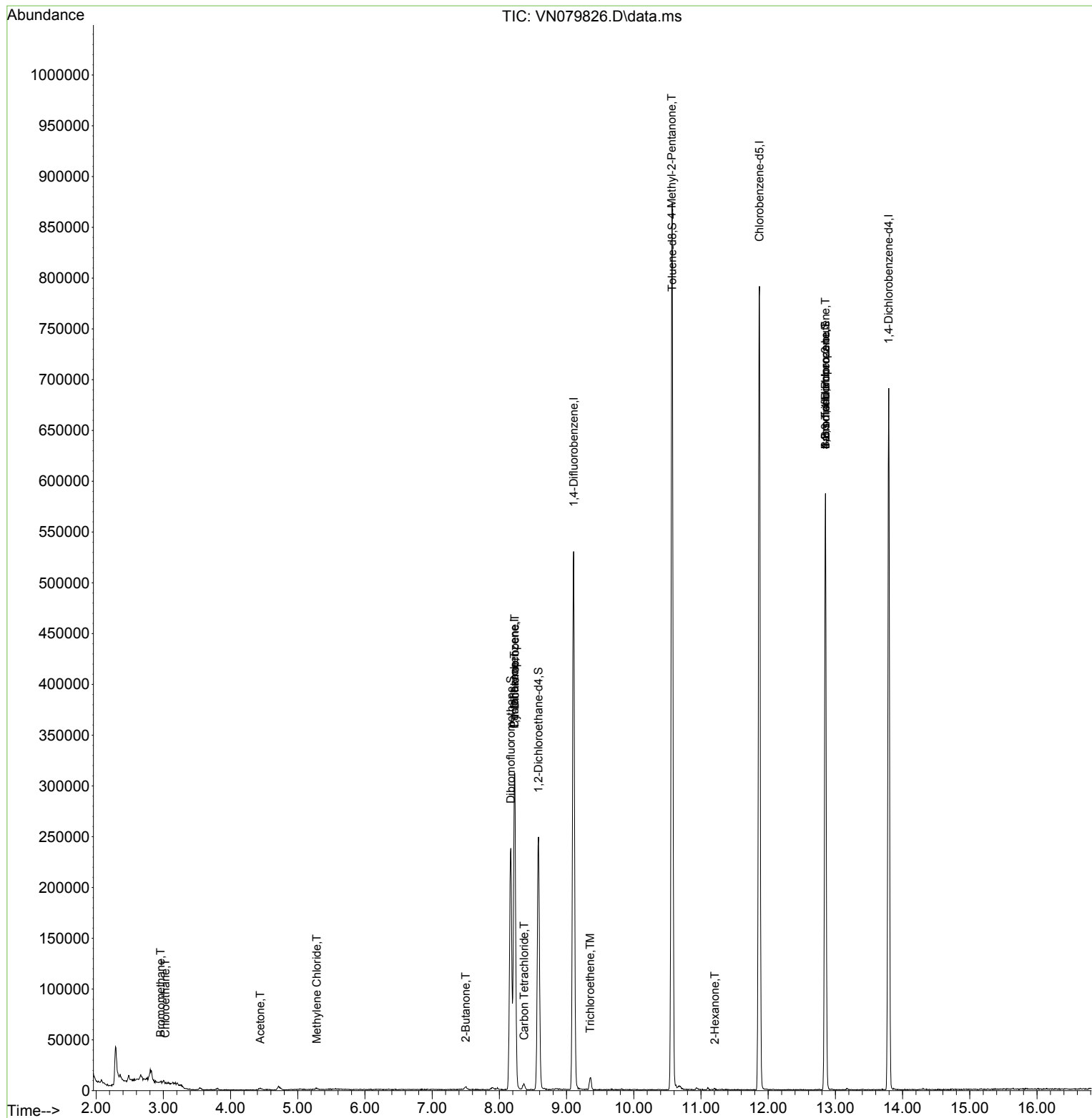
Internal Standards						
1) Pentafluorobenzene	8.224	168	222936	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	448129	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	455158	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	179410	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	205720	60.568	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 121.140%			
35) Dibromofluoromethane	8.171	113	168971	53.275	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.540%			
50) Toluene-d8	10.571	98	586615	50.241	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.480%			
62) 4-Bromofluorobenzene	12.853	95	192850	49.801	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.600%			
Target Compounds						Qvalue
3) Chloromethane	2.371	50	1514	Below Cal	#	42
5) Bromomethane	2.959	94	588	0.275	ug/l	86
6) Chloroethane	3.030	64	923	0.332	ug/l #	43
16) Acetone	4.442	43	3700	3.101	ug/l	94
20) Methylene Chloride	5.283	84	678	0.225	ug/l #	61
25) 2-Butanone	7.500	43	4522	2.588	ug/l #	85
31) Cyclohexane	8.224	56	6294	1.402	ug/l #	41
36) 1,1-Dichloropropene	8.230	75	19890	4.392	ug/l #	49
38) Carbon Tetrachloride	8.371	117	4037	0.885	ug/l #	69
44) Trichloroethene	9.353	130	4086	1.214	ug/l	95
51) 4-Methyl-2-Pentanone	10.565	43	3283	0.801	ug/l #	1
59) 2-Hexanone	11.206	43	675	0.215	ug/l #	46
71) Bromoform	12.853	173	1418	0.561	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	107471	25.515	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	107471	69.421	ug/l #	15

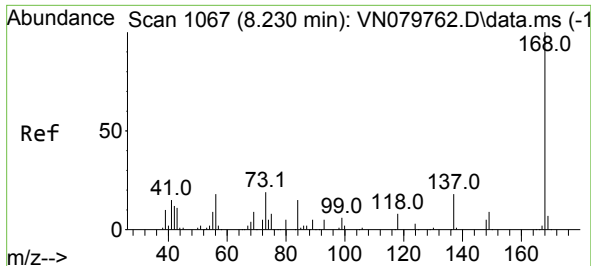
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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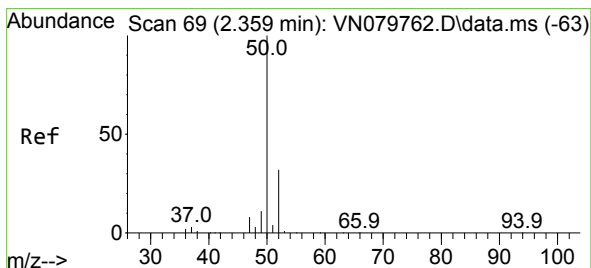
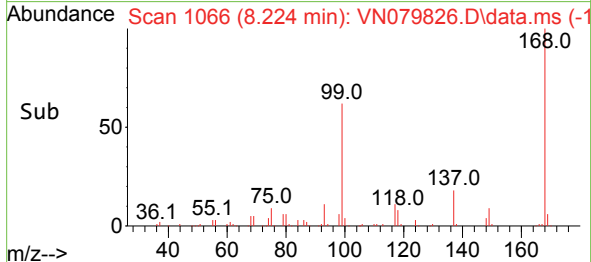
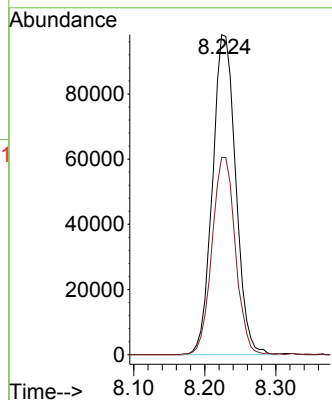
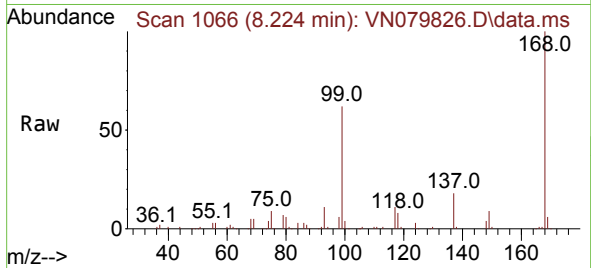




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.005 min
Lab File: VN079826.D
Acq: 03 Nov 2023 05:33

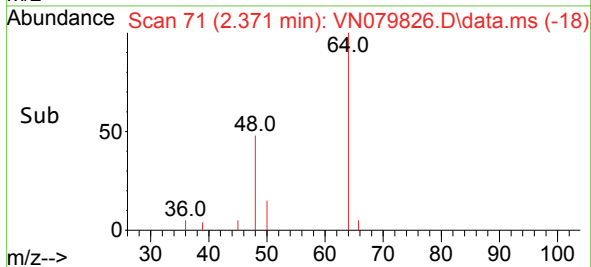
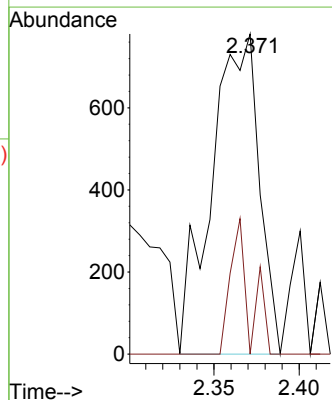
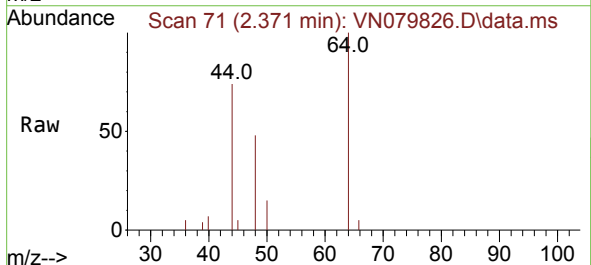
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-EVAL-02D-20231101

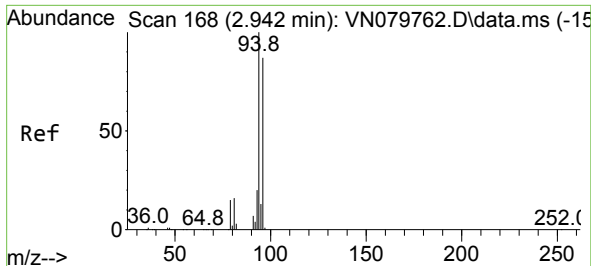
Tgt Ion:168 Resp: 222936
Ion Ratio Lower Upper
168 100
99 61.6 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.012 min
Lab File: VN079826.D
Acq: 03 Nov 2023 05:33

Tgt Ion: 50 Resp: 1514
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

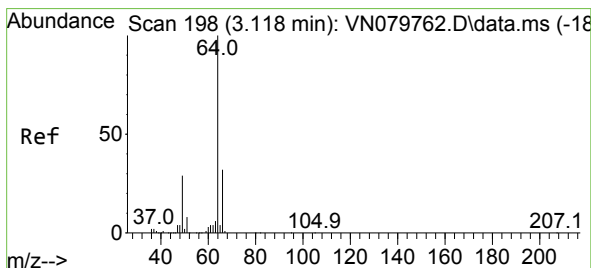
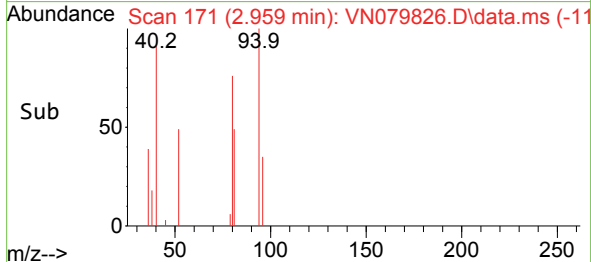
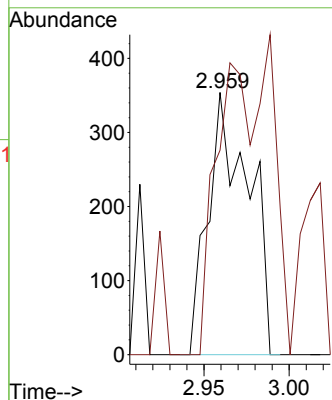
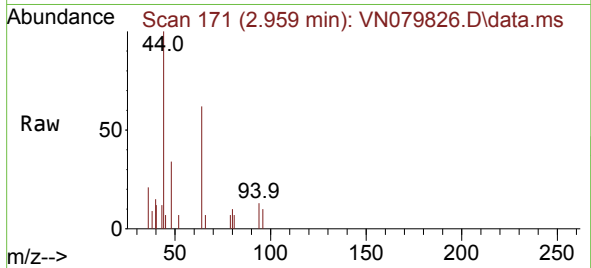




#5
Bromomethane
Concen: 0.275 ug/l
RT: 2.959 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN079826.D
Acq: 03 Nov 2023 05:33

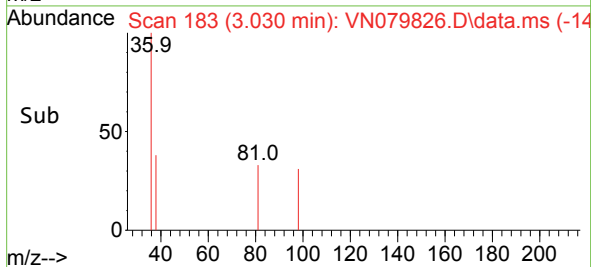
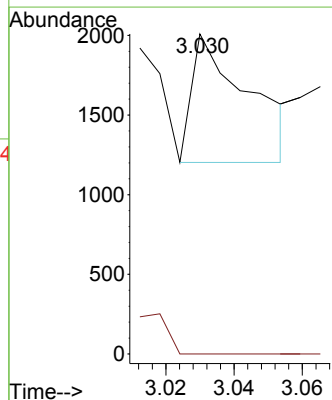
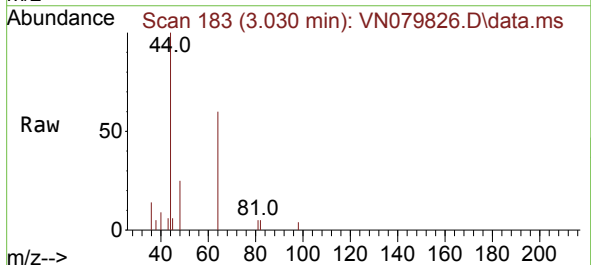
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-EVAL-02D-20231101

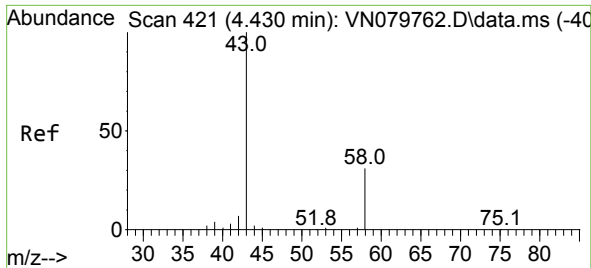
Tgt Ion: 94 Resp: 588
Ion Ratio Lower Upper
94 100
96 78.0 73.1 109.7



#6
Chloroethane
Concen: 0.332 ug/l
RT: 3.030 min Scan# 183
Delta R.T. -0.088 min
Lab File: VN079826.D
Acq: 03 Nov 2023 05:33

Tgt Ion: 64 Resp: 923
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#





#16

Acetone

Concen: 3.101 ug/l

RT: 4.442 min Scan# 41

Delta R.T. 0.012 min

Lab File: VN079826.D

Acq: 03 Nov 2023 05:33

Instrument :

MSVOA_N

ClientSampleId :

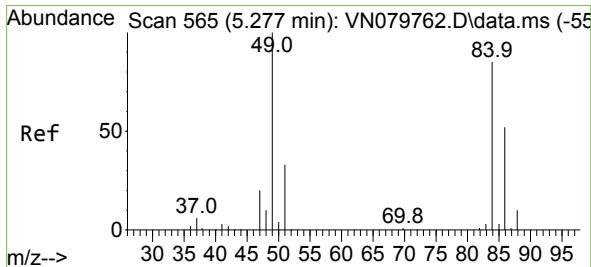
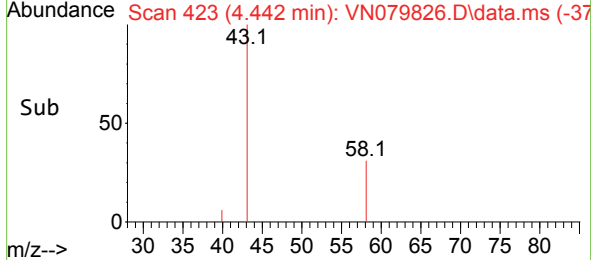
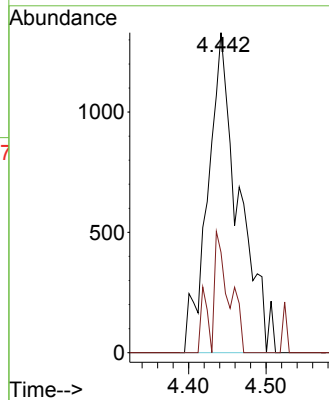
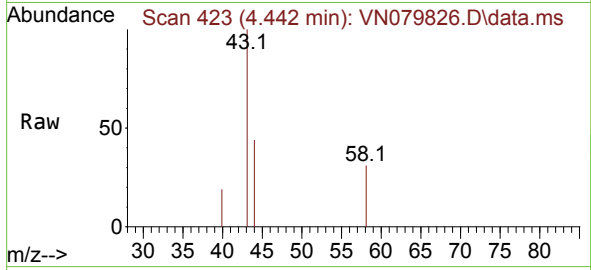
FSND-MW-EVAL-02D-20231101

Tgt Ion: 43 Resp: 3700

Ion Ratio Lower Upper

43 100

58 31.4 28.0 42.0



#20

Methylene Chloride

Concen: 0.225 ug/l

RT: 5.283 min Scan# 566

Delta R.T. 0.012 min

Lab File: VN079826.D

Acq: 03 Nov 2023 05:33

Tgt Ion: 84 Resp: 678

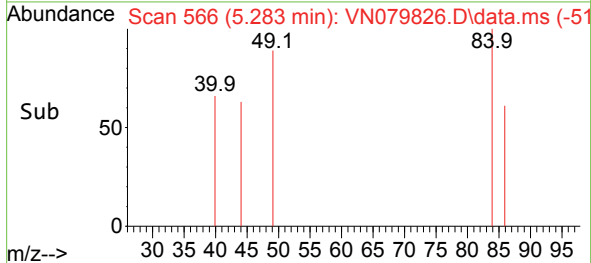
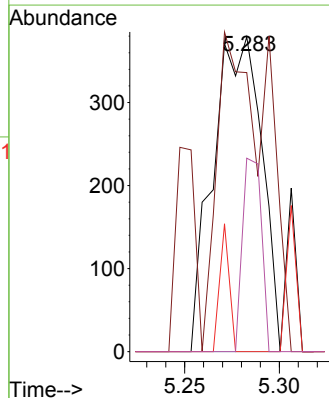
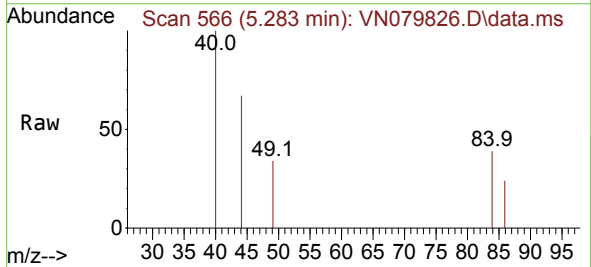
Ion Ratio Lower Upper

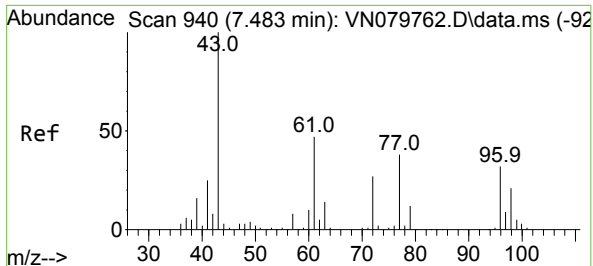
84 100

49 44.3 79.7 119.5#

51 0.0 25.2 37.8#

86 61.5 53.3 79.9

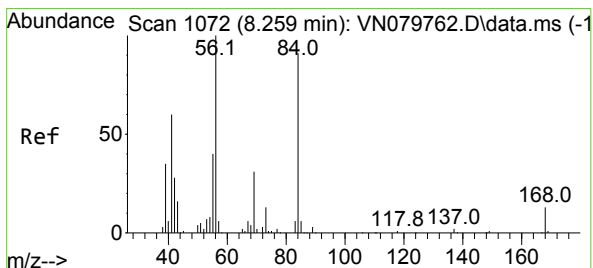
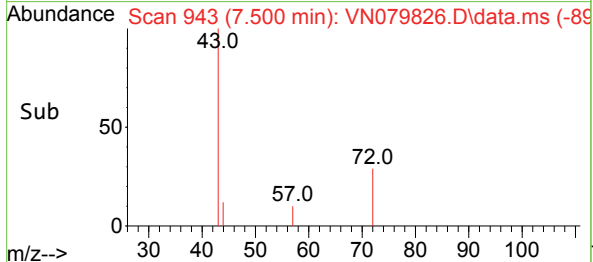
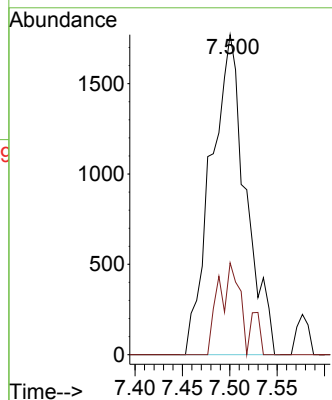
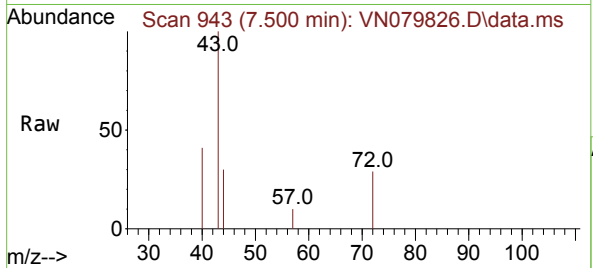




#25
2-Butanone
Concen: 2.588 ug/l
RT: 7.500 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN079826.D
Acq: 03 Nov 2023 05:33

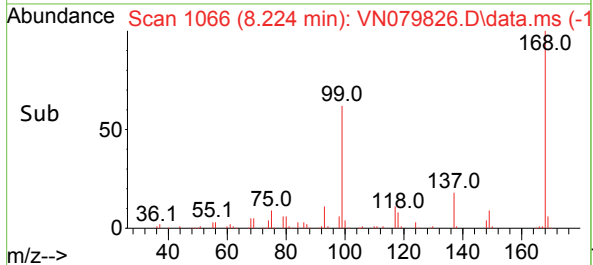
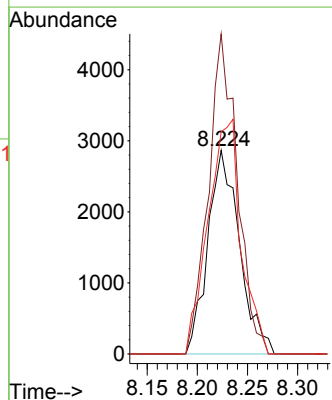
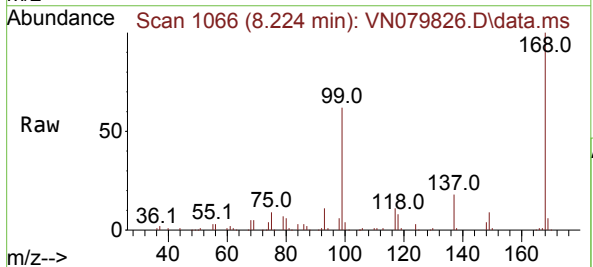
Instrument :
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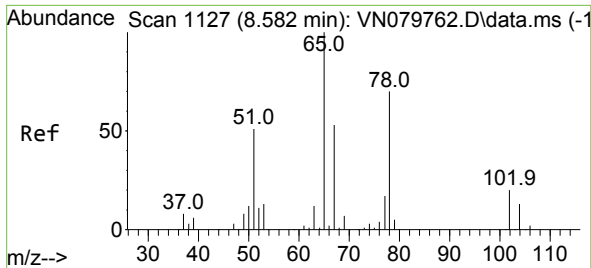
Tgt Ion: 43 Resp: 4522
Ion Ratio Lower Upper
43 100
72 28.7 30.2 45.2#



#31
Cyclohexane
Concen: 1.402 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN079826.D
Acq: 03 Nov 2023 05:33

Tgt Ion: 56 Resp: 6294
Ion Ratio Lower Upper
56 100
69 157.3 26.8 40.2#
84 109.3 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 60.568 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079826.D

Acq: 03 Nov 2023 05:33

Instrument :

MSVOA_N

ClientSampleId :

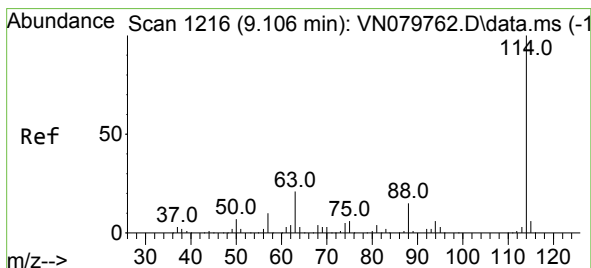
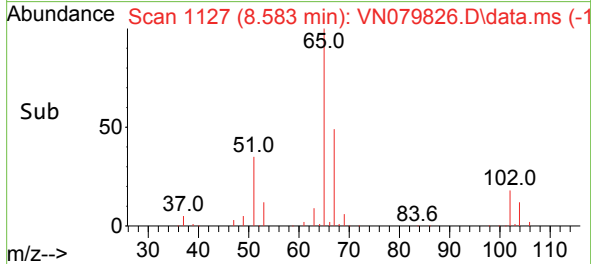
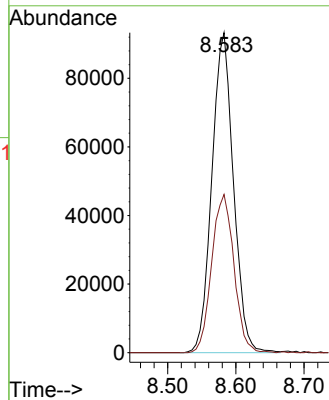
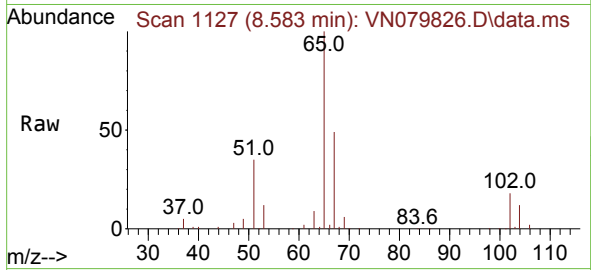
FSND-MW-EVAL-02D-20231101

Tgt Ion: 65 Resp: 205720

Ion Ratio Lower Upper

65 100

67 51.0 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: VN079826.D

Acq: 03 Nov 2023 05:33

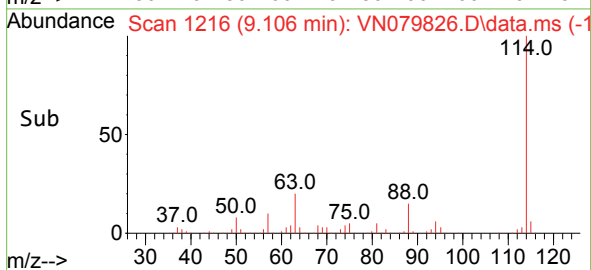
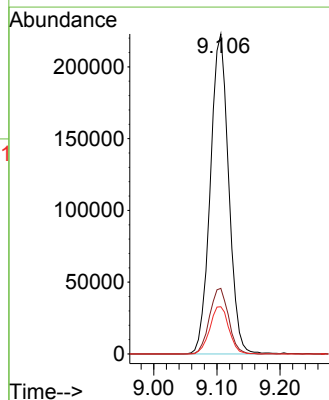
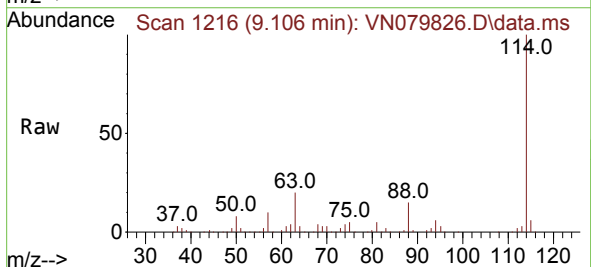
Tgt Ion:114 Resp: 448129

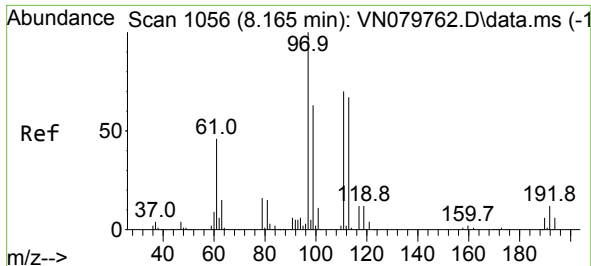
Ion Ratio Lower Upper

114 100

63 20.5 0.0 36.4

88 14.8 0.0 30.6





#35

Dibromofluoromethane

Concen: 53.275 ug/l

RT: 8.171 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN079826.D

Acq: 03 Nov 2023 05:33

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MSVOA_N

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FSND-MW-EVAL-02D-20231101

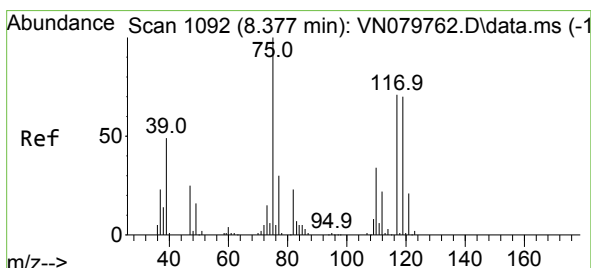
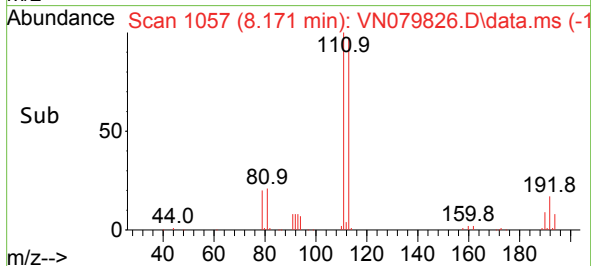
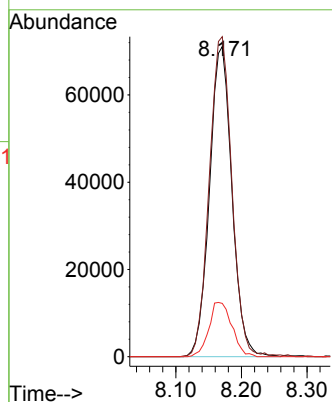
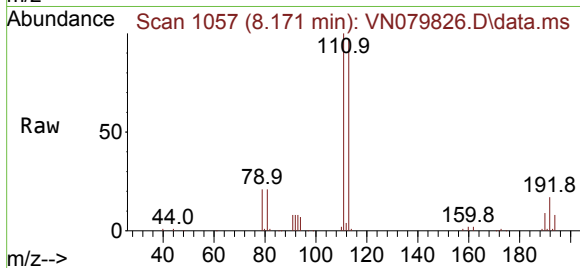
Tgt Ion:113 Resp: 168971

Ion Ratio Lower Upper

113 100

111 104.1 82.6 123.8

192 18.0 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.392 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN079826.D

Acq: 03 Nov 2023 05:33

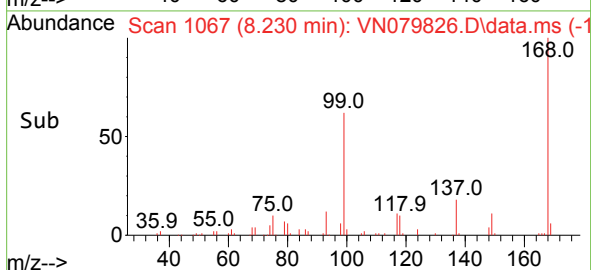
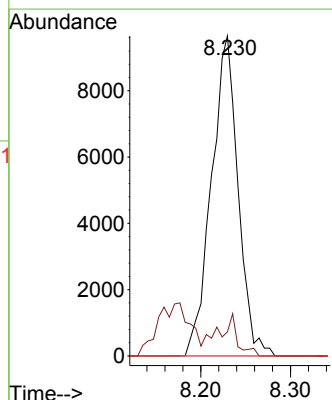
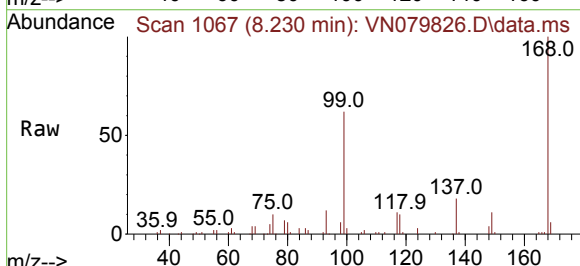
Tgt Ion: 75 Resp: 19890

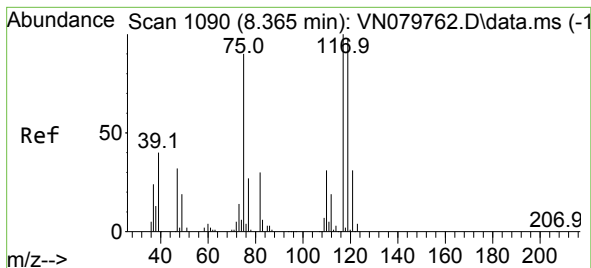
Ion Ratio Lower Upper

75 100

110 9.8 19.1 57.3#

77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 0.885 ug/l

RT: 8.371 min Scan# 1090

Delta R.T. 0.012 min

Lab File: VN079826.D

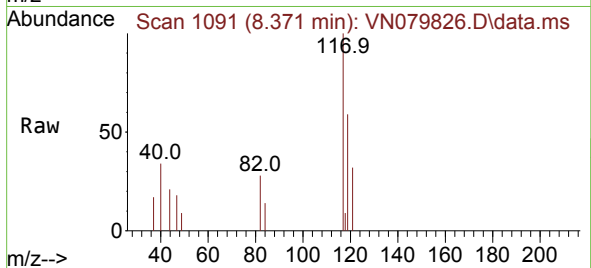
Acq: 03 Nov 2023 05:33

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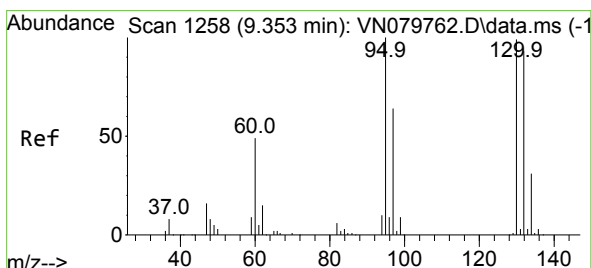
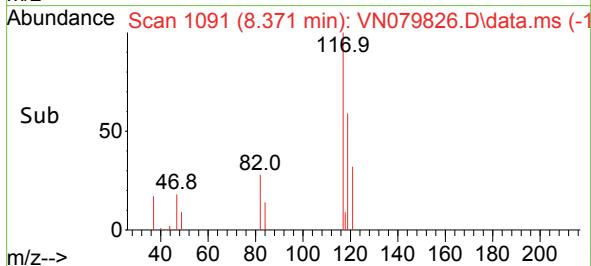
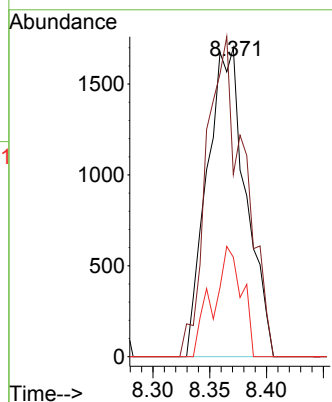
Tgt Ion:117 Resp: 4037

Ion Ratio Lower Upper

117 100

119 59.0 77.3 115.9#

121 32.3 23.3 34.9



#44

Trichloroethene

Concen: 1.214 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VN079826.D

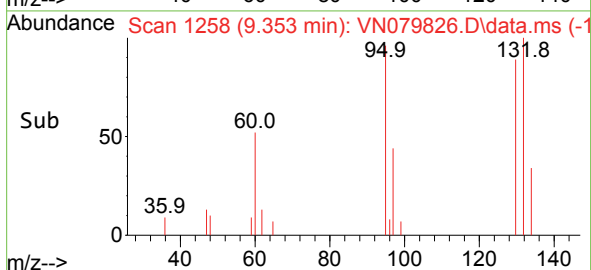
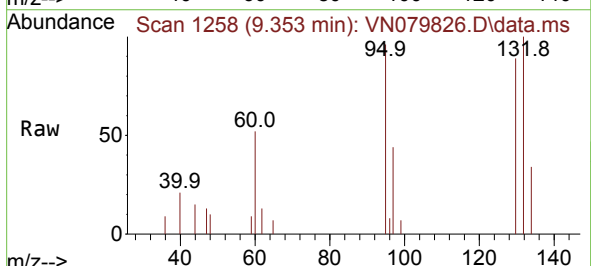
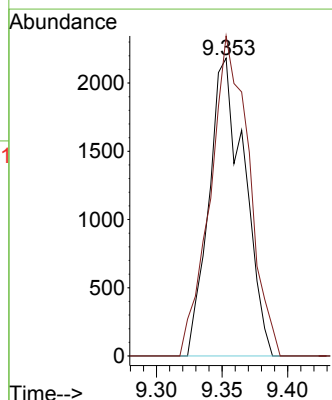
Acq: 03 Nov 2023 05:33

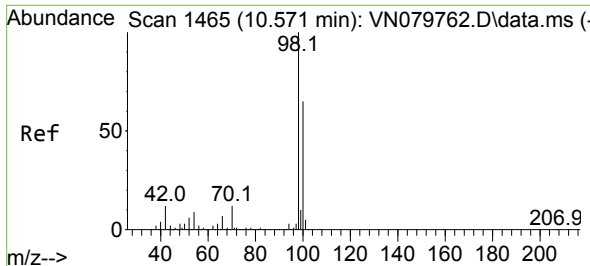
Tgt Ion:130 Resp: 4086

Ion Ratio Lower Upper

130 100

95 107.5 0.0 204.6

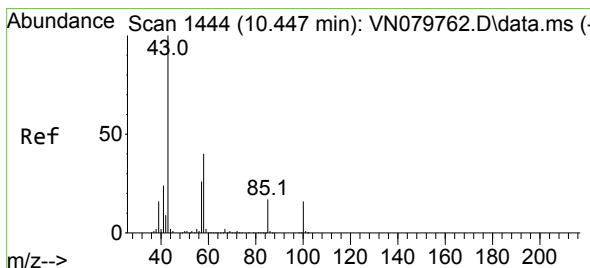
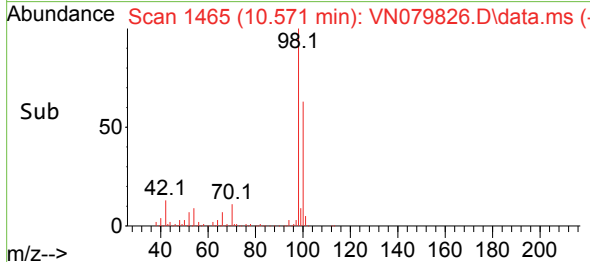
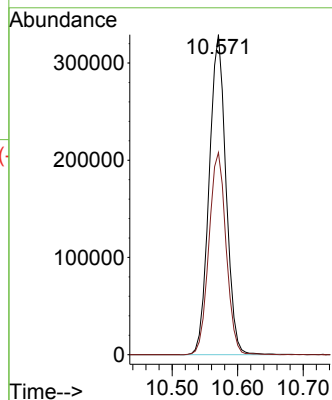
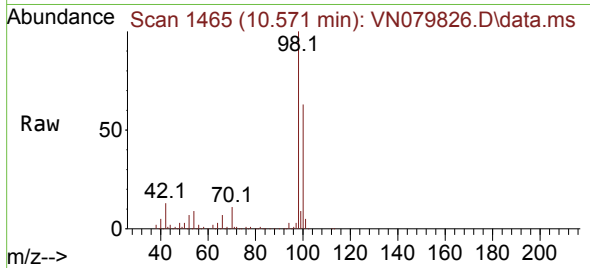




#50
Toluene-d8
Concen: 50.241 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079826.D
Acq: 03 Nov 2023 05:33

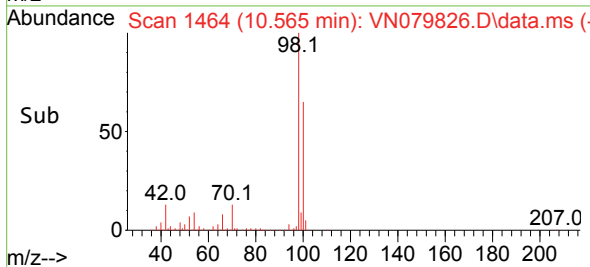
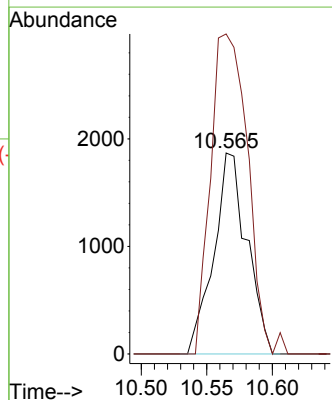
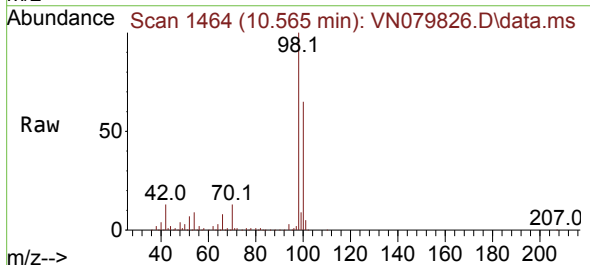
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-EVAL-02D-20231101

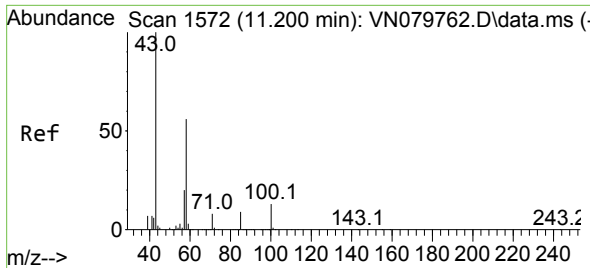
Tgt Ion: 98 Resp: 586615
Ion Ratio Lower Upper
98 100
100 64.6 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.801 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.118 min
Lab File: VN079826.D
Acq: 03 Nov 2023 05:33

Tgt Ion: 43 Resp: 3283
Ion Ratio Lower Upper
43 100
58 178.6 36.6 54.8#

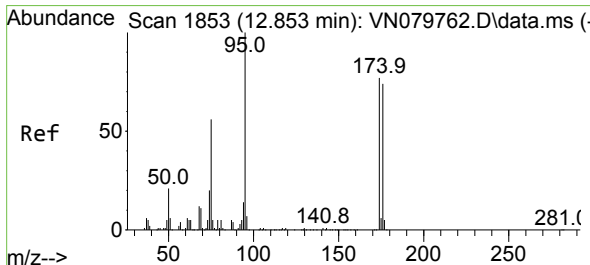
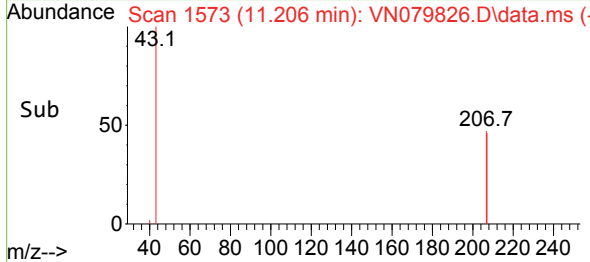
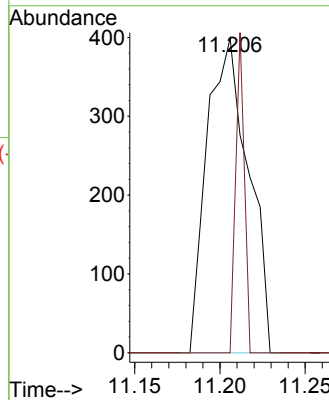
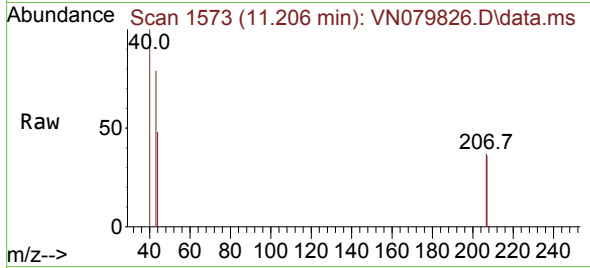




#59
2-Hexanone
Concen: 0.215 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN079826.D
Acq: 03 Nov 2023 05:33

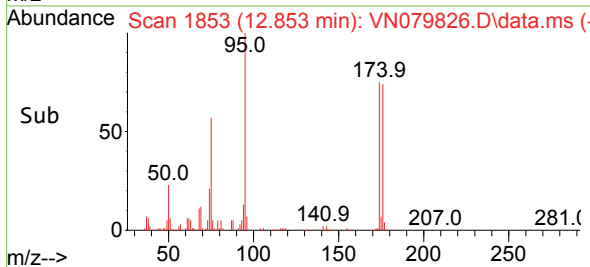
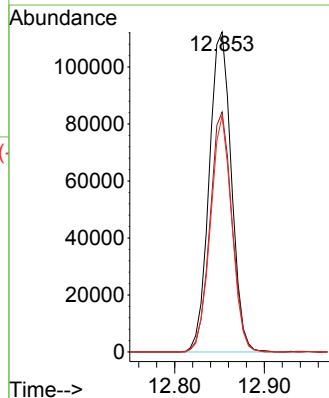
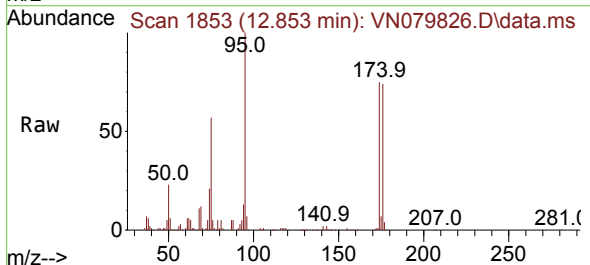
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-EVAL-02D-20231101

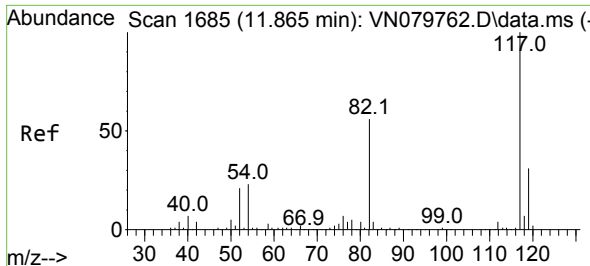
Tgt Ion: 43 Resp: 675
Ion Ratio Lower Upper
43 100
58 21.2 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 49.801 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079826.D
Acq: 03 Nov 2023 05:33

Tgt Ion: 95 Resp: 192850
Ion Ratio Lower Upper
95 100
174 74.8 0.0 143.8
176 70.8 0.0 135.8

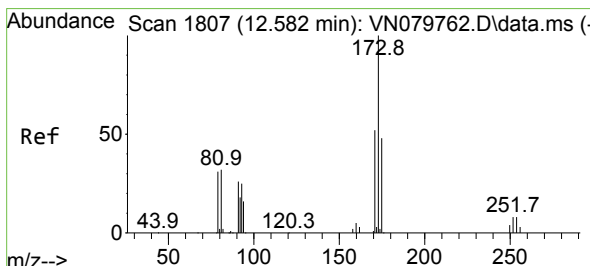
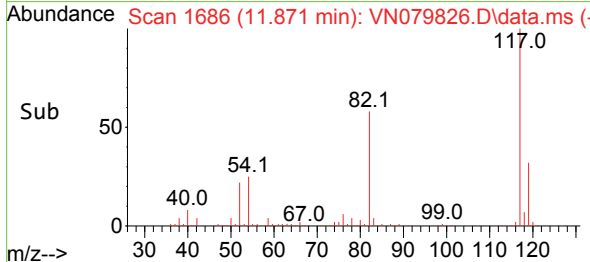
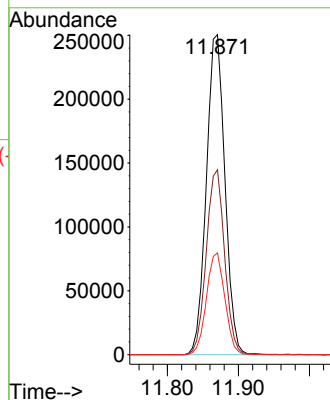
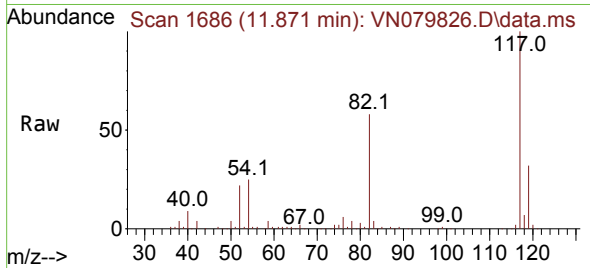




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1185
Delta R.T. 0.000 min
Lab File: VN079826.D
Acq: 03 Nov 2023 05:33

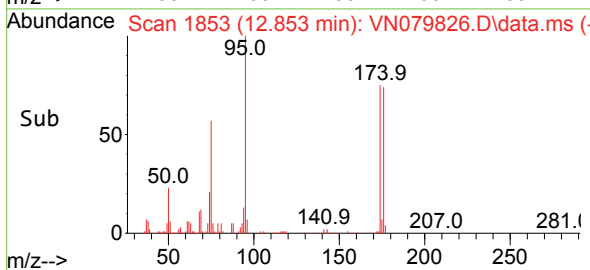
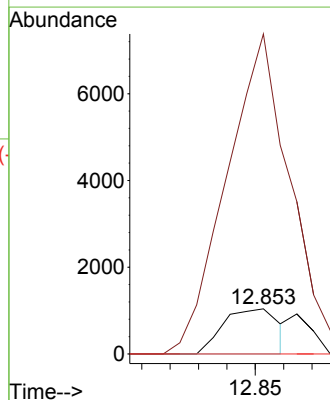
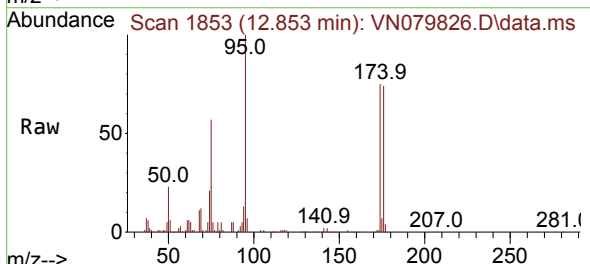
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-EVAL-02D-20231101

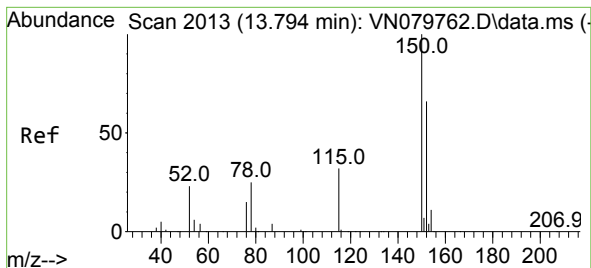
Tgt Ion:117 Resp: 455158
Ion Ratio Lower Upper
117 100
82 57.8 44.0 66.0
119 31.8 25.6 38.4



#71
Bromoform
Concen: 0.561 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN079826.D
Acq: 03 Nov 2023 05:33

Tgt Ion:173 Resp: 1418
Ion Ratio Lower Upper
173 100
175 668.3 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: VN079826.D

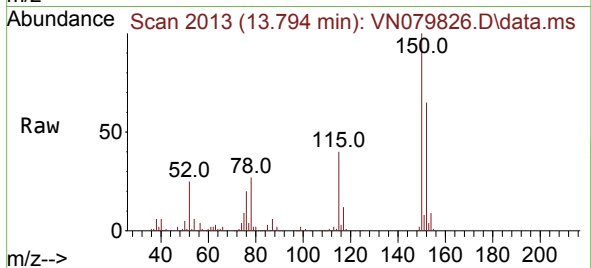
Acq: 03 Nov 2023 05:33

Instrument :

MSVOA_N

ClientSampleId :

FSND-MW-EVAL-02D-20231101



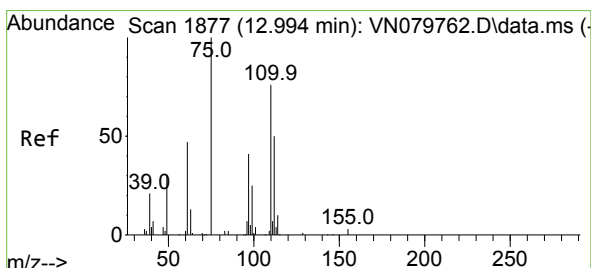
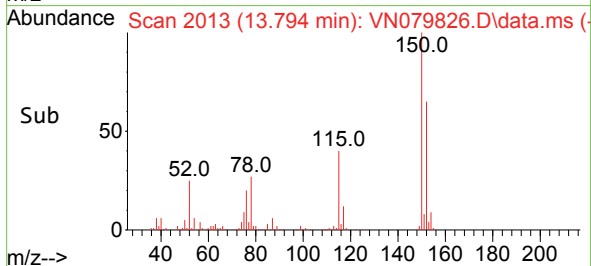
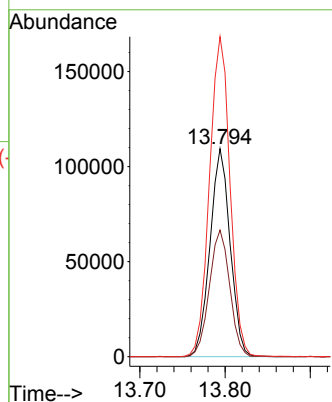
Tgt Ion:152 Resp: 179410

Ion Ratio Lower Upper

152 100

115 61.8 32.3 96.8

150 156.8 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 25.515 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN079826.D

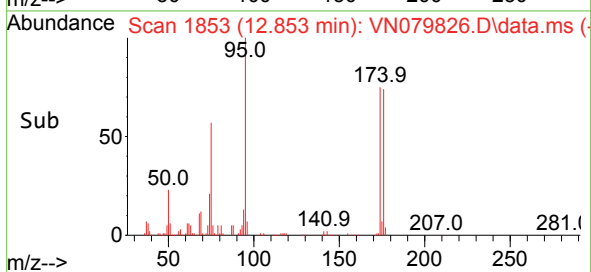
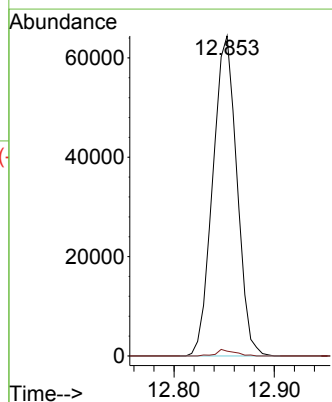
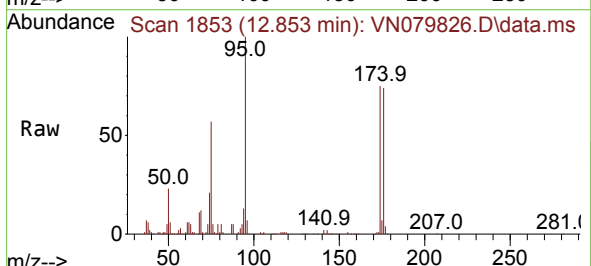
Acq: 03 Nov 2023 05:33

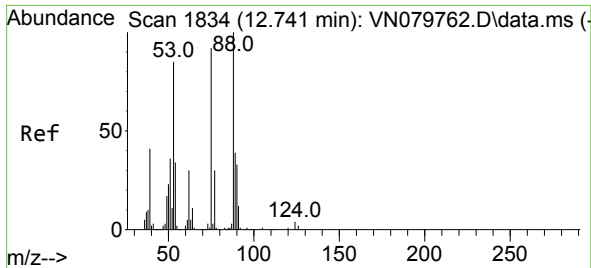
Tgt Ion: 75 Resp: 107471

Ion Ratio Lower Upper

75 100

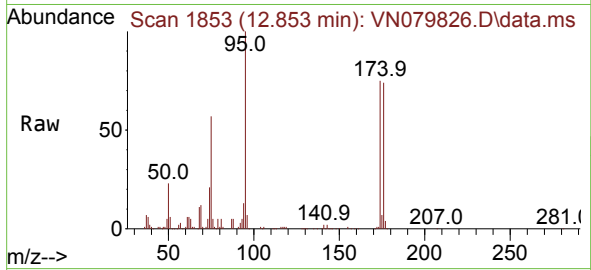
77 1.5 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.421 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN079826.D
 Acq: 03 Nov 2023 05:33

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



Tgt Ion: 75 Resp: 107471
 Ion Ratio Lower Upper
 75 100
 53 0.2 67.4 101.2#
 89 0.0 38.8 58.2#

