

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110223\
 Data File : VN079822.D
 Acq On : 03 Nov 2023 03:58
 Operator : JC\MD
 Sample : 05222-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FSND-FD-3-20231101

Quant Time: Nov 03 05:39:52 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)

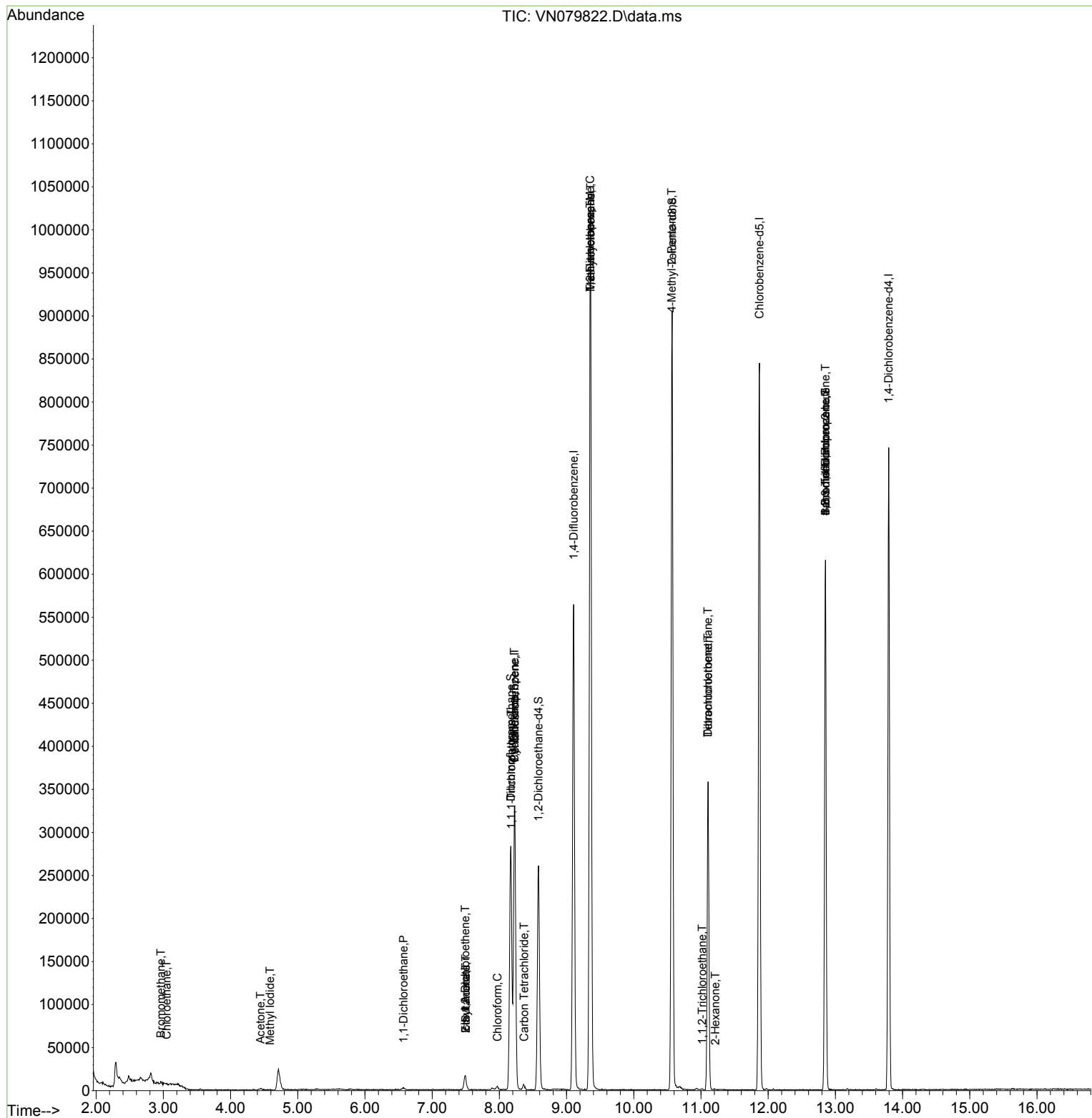
Internal Standards						
1) Pentafluorobenzene	8.230	168	233270	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	465759	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	476026	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	185969	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	212098	59.680	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 119.360%			
35) Dibromofluoromethane	8.171	113	176311	53.485	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.980%			
50) Toluene-d8	10.571	98	614512	50.638	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.280%			
62) 4-Bromofluorobenzene	12.853	95	203171	50.481	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.960%			
Target Compounds					Qvalue	
3) Chloromethane	2.359	50	2044	Below Cal	#	85
5) Bromomethane	2.965	94	760	0.340	ug/l #	70
6) Chloroethane	3.048	64	1080	0.372	ug/l #	43
10) Methyl Iodide	4.589	142	687	0.227	ug/l #	89
16) Acetone	4.447	43	2829	2.266	ug/l	91
24) 1,1-Dichloroethane	6.577	63	1792	0.331	ug/l #	81
25) 2-Butanone	7.500	43	2622	1.434	ug/l #	87
27) cis-1,2-Dichloroethene	7.494	96	8900	2.657	ug/l	97
30) Chloroform	7.971	83	3497	0.594	ug/l	89
31) Cyclohexane	8.224	56	6010	1.280	ug/l #	30
32) 1,1,1-Trichloroethane	8.177	97	27127	5.658	ug/l	93
36) 1,1-Dichloropropene	8.224	75	21726	4.616	ug/l #	48
37) Ethyl Acetate	7.500	43	2622	0.607	ug/l #	1
38) Carbon Tetrachloride	8.371	117	3834	0.808	ug/l #	85
39) Methylcyclohexane	9.359	83	4966	1.121	ug/l #	1
44) Trichloroethene	9.353	130	362034	103.491	ug/l	98
45) 1,2-Dichloropropane	9.353	63	1382	0.384	ug/l #	1
51) 4-Methyl-2-Pentanone	10.565	43	3325	0.780	ug/l #	1
55) 1,1,2-Trichloroethane	11.018	97	674	0.201	ug/l #	49
59) 2-Hexanone	11.212	43	681	0.209	ug/l #	36
60) Dibromochloromethane	11.106	129	76317	21.210	ug/l #	11
64) Tetrachloroethene	11.106	164	75723	24.561	ug/l	97
71) Bromoform	12.853	173	1830	0.693	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	112444	25.754	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	112444	70.072	ug/l #	15

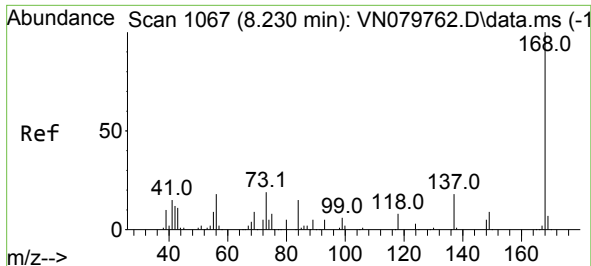
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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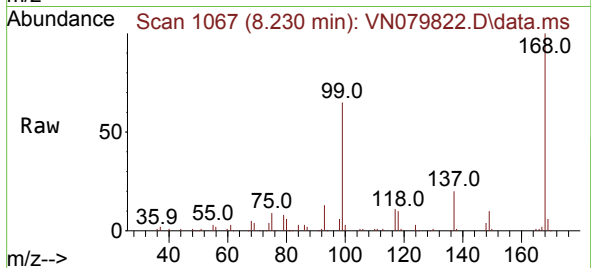
Quant Time: Nov 03 05:39:52 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
Quant Title : SW846 8260
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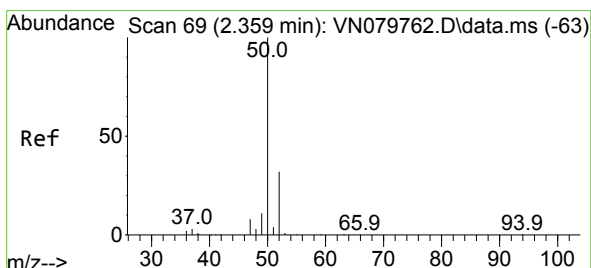
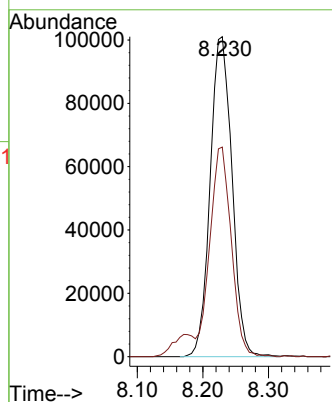
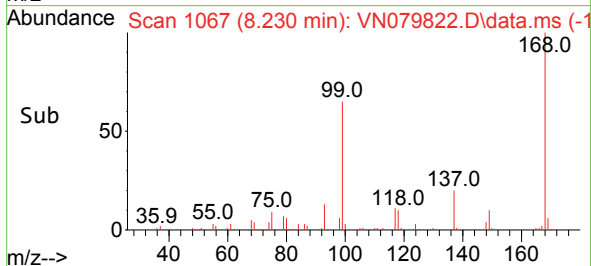


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. 0.001 min
Lab File: VN079822.D
Acq: 03 Nov 2023 03:58

Instrument :
MSVOA_N
ClientSampleId :
FSND-FD-3-20231101

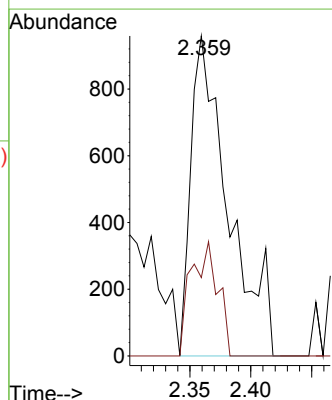
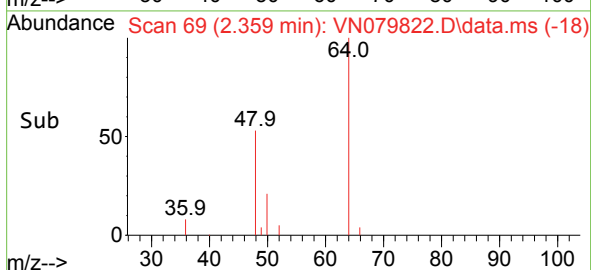
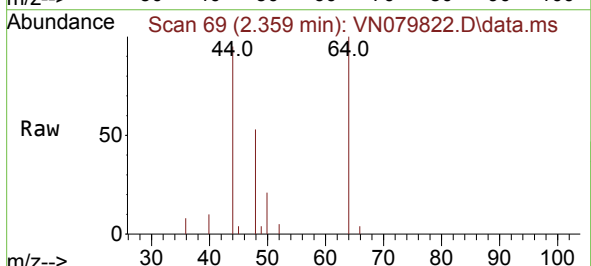


Tgt Ion:168 Resp: 233270
Ion Ratio Lower Upper
168 100
99 65.5 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN079822.D
Acq: 03 Nov 2023 03:58

Tgt Ion: 50 Resp: 2044
Ion Ratio Lower Upper
50 100
52 24.5 26.5 39.7#

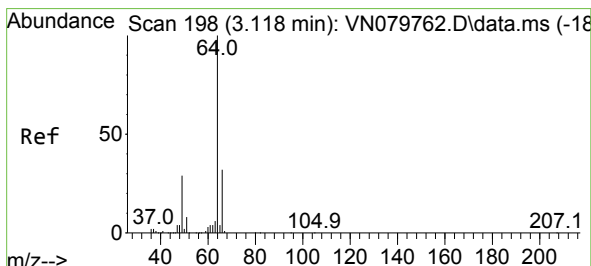
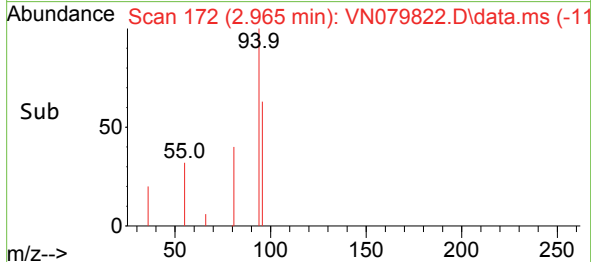
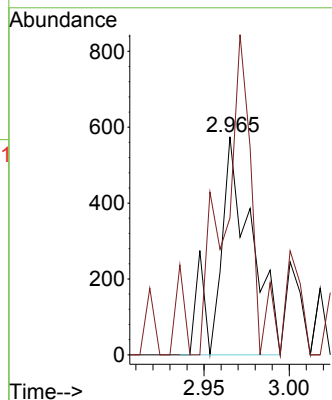
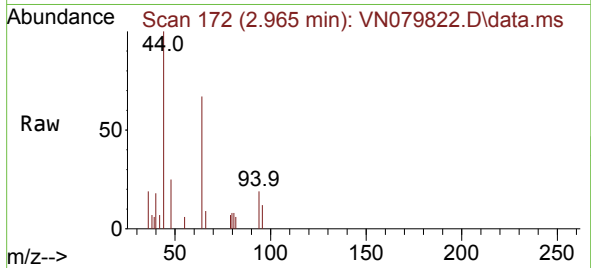




#5
Bromomethane
Concen: 0.340 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN079822.D
Acq: 03 Nov 2023 03:58

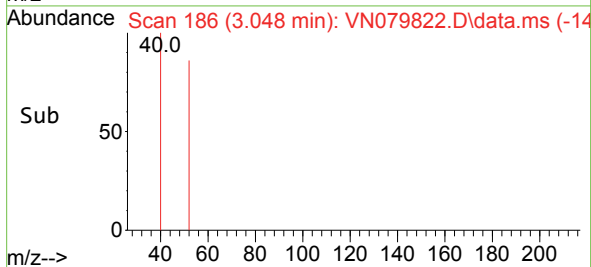
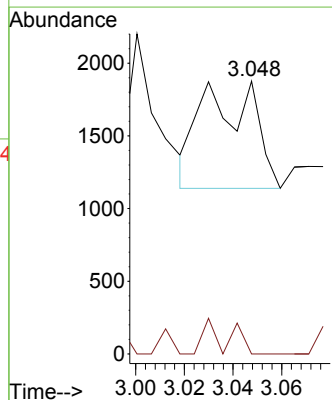
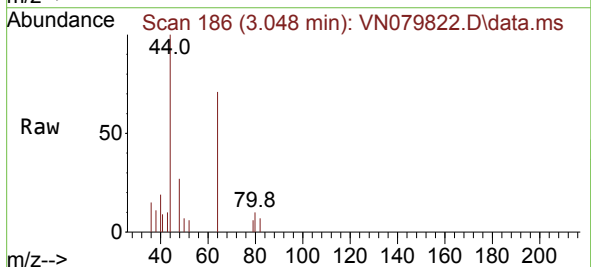
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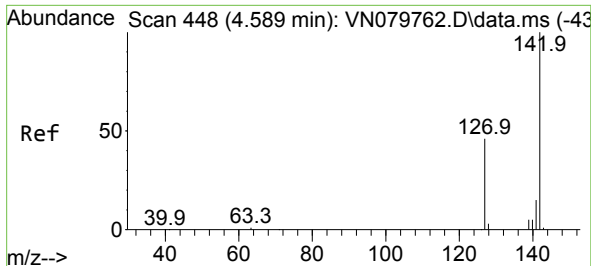
Tgt Ion: 94 Resp: 760
Ion Ratio Lower Upper
94 100
96 62.8 73.1 109.7#



#6
Chloroethane
Concen: 0.372 ug/l
RT: 3.048 min Scan# 186
Delta R.T. -0.070 min
Lab File: VN079822.D
Acq: 03 Nov 2023 03:58

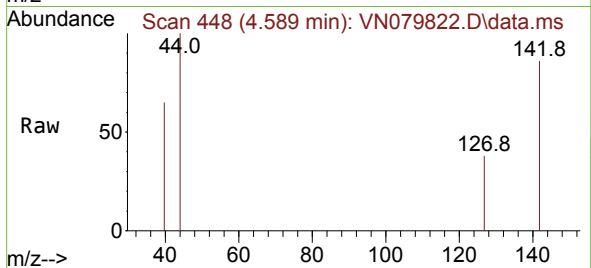
Tgt Ion: 64 Resp: 1080
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



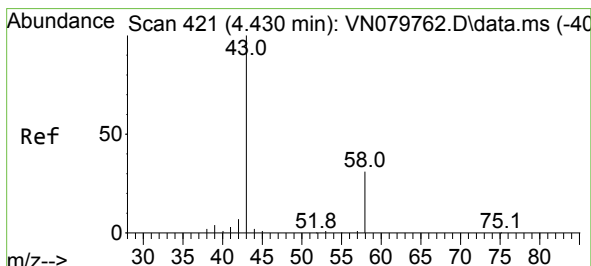
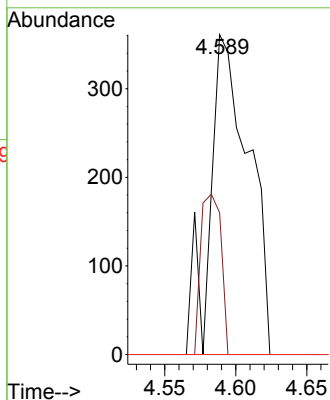
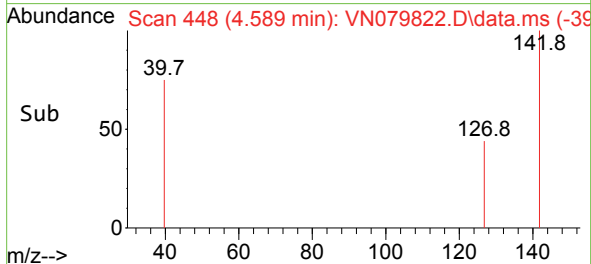


#10
Methyl Iodide
Concen: 0.227 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN079822.D
Acq: 03 Nov 2023 03:58

Instrument :
MSVOA_N
ClientSampleId :
FSND-FD-3-20231101

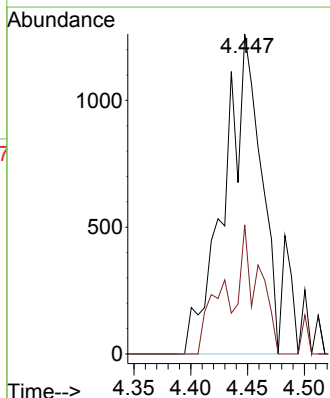
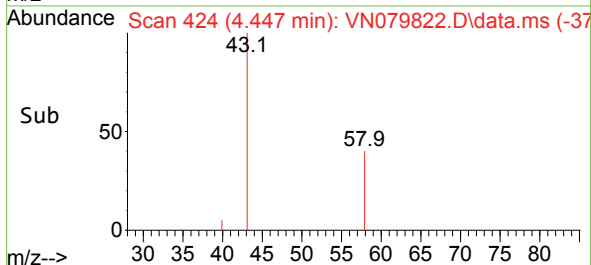
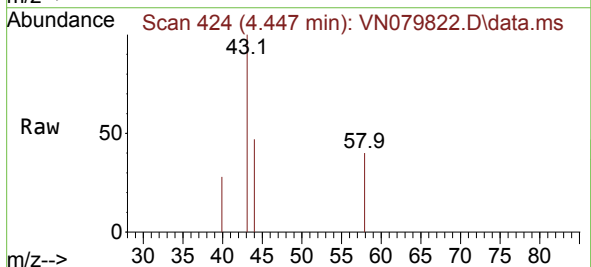


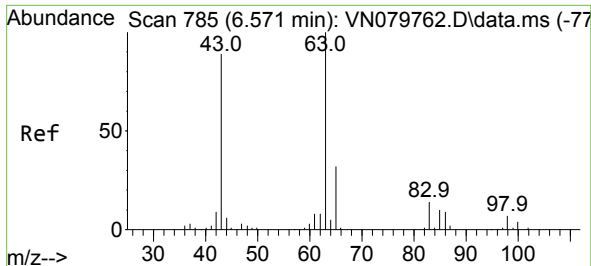
Tgt Ion:142 Resp: 687
Ion Ratio Lower Upper
142 100
127 44.3 37.6 56.4
141 0.0 11.4 17.0#



#16
Acetone
Concen: 2.266 ug/l
RT: 4.447 min Scan# 424
Delta R.T. 0.018 min
Lab File: VN079822.D
Acq: 03 Nov 2023 03:58

Tgt Ion: 43 Resp: 2829
Ion Ratio Lower Upper
43 100
58 40.3 28.0 42.0

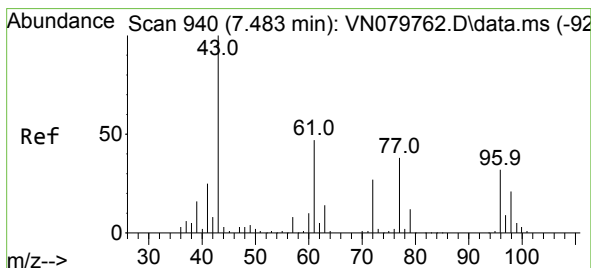
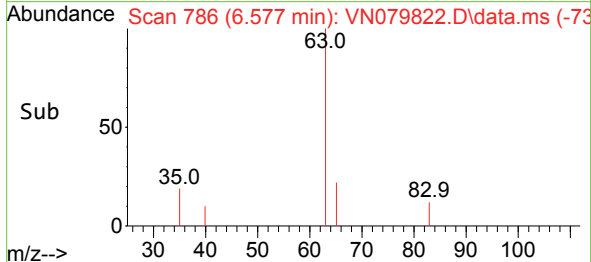
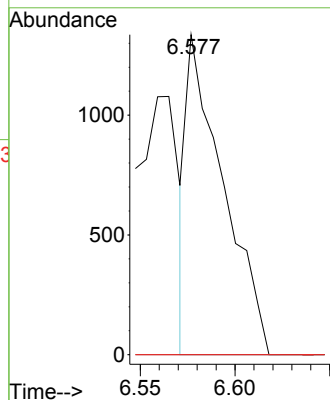
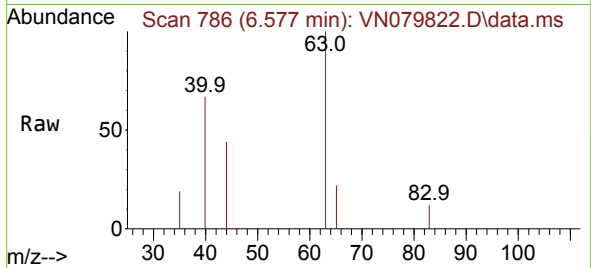




#24
1,1-Dichloroethane
Concen: 0.331 ug/l
RT: 6.577 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN079822.D
Acq: 03 Nov 2023 03:58

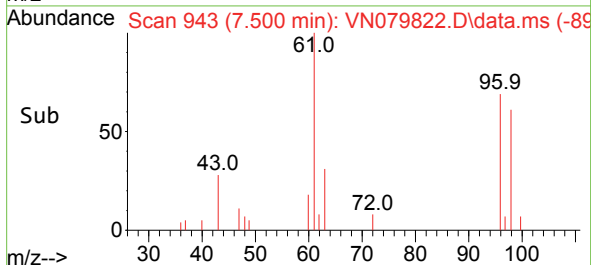
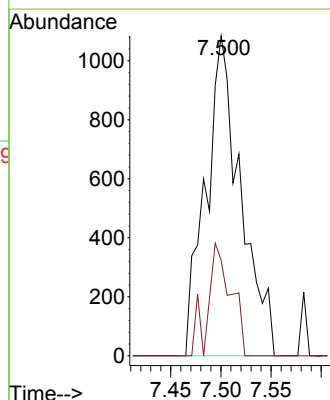
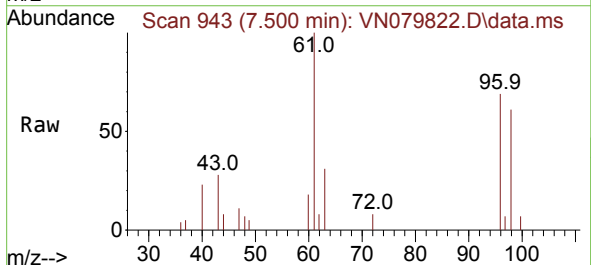
Instrument :
MSVOA_N
ClientSampleId :
FSND-FD-3-20231101

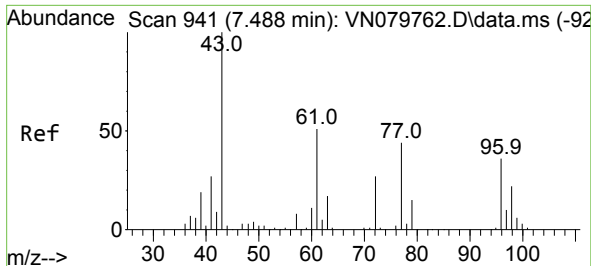
Tgt Ion: 63 Resp: 1792
Ion Ratio Lower Upper
63 100
98 0.0 3.9 11.7#
100 0.0 2.5 7.4#



#25
2-Butanone
Concen: 1.434 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.012 min
Lab File: VN079822.D
Acq: 03 Nov 2023 03:58

Tgt Ion: 43 Resp: 2622
Ion Ratio Lower Upper
43 100
72 29.9 30.2 45.2#

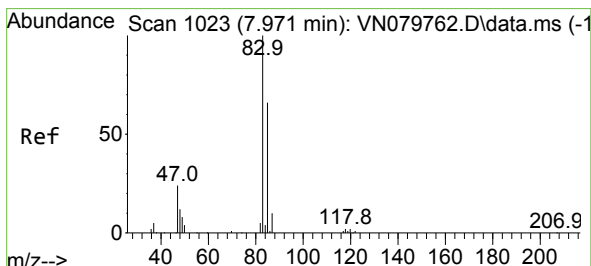
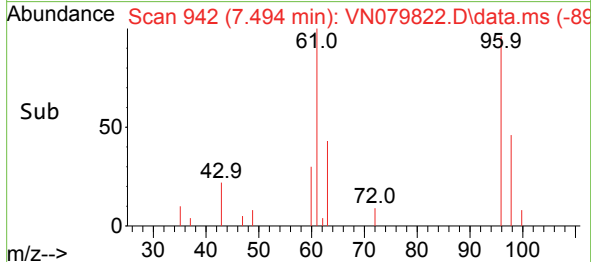
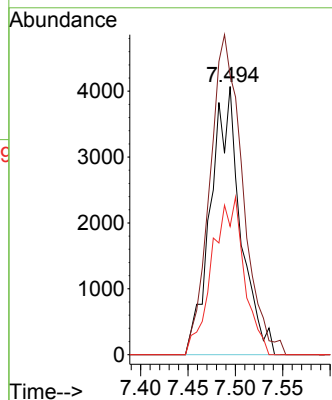
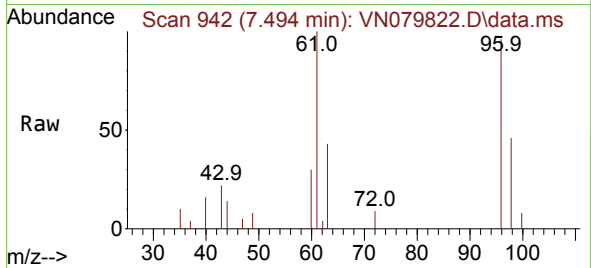




#27
 cis-1,2-Dichloroethene
 Concen: 2.657 ug/l
 RT: 7.494 min Scan# 941
 Delta R.T. 0.006 min
 Lab File: VN079822.D
 Acq: 03 Nov 2023 03:58

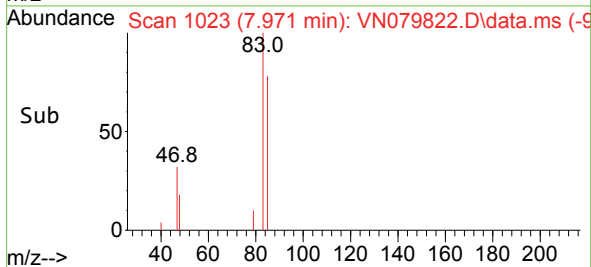
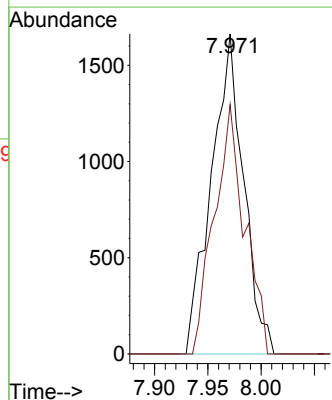
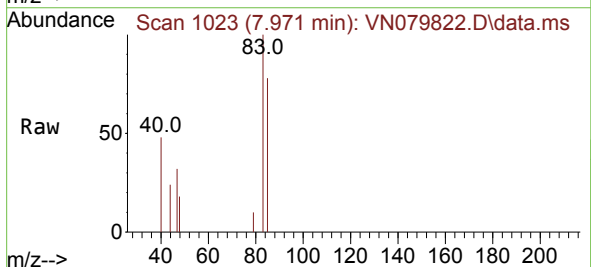
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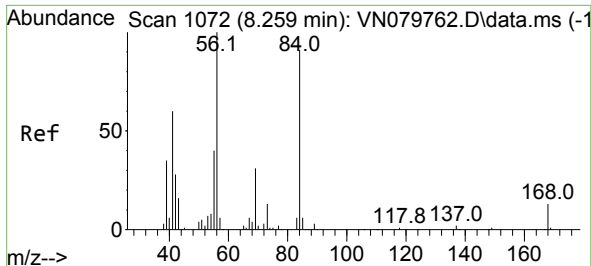
Tgt Ion: 96 Resp: 8900
 Ion Ratio Lower Upper
 96 100
 61 131.6 0.0 255.2
 98 63.0 0.0 128.8



#30
 Chloroform
 Concen: 0.594 ug/l
 RT: 7.971 min Scan# 1023
 Delta R.T. 0.000 min
 Lab File: VN079822.D
 Acq: 03 Nov 2023 03:58

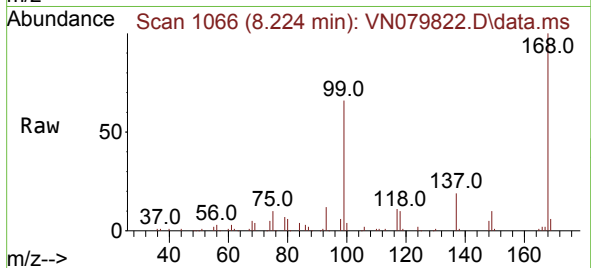
Tgt Ion: 83 Resp: 3497
 Ion Ratio Lower Upper
 83 100
 85 77.9 55.4 83.0



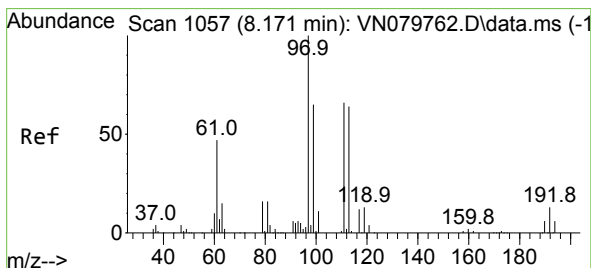
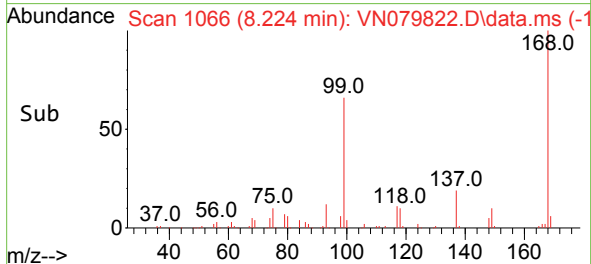
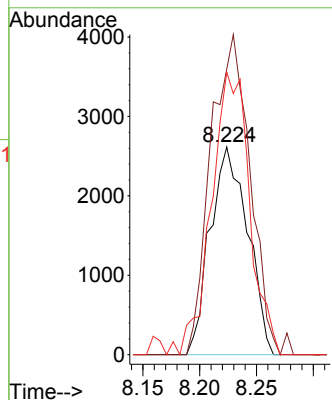


#31
Cyclohexane
Concen: 1.280 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN079822.D
Acq: 03 Nov 2023 03:58

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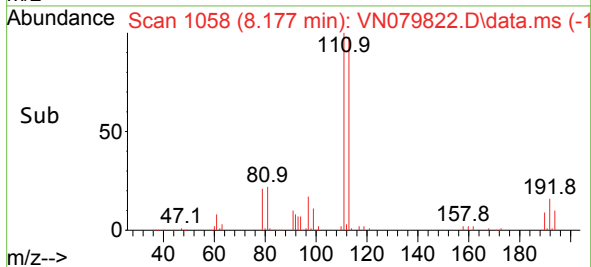
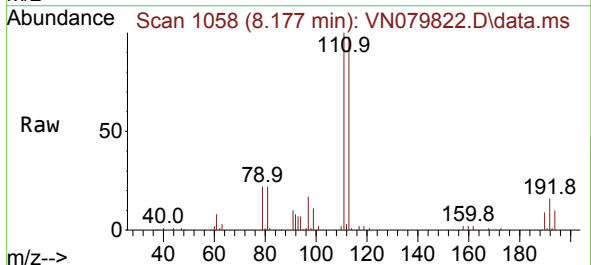
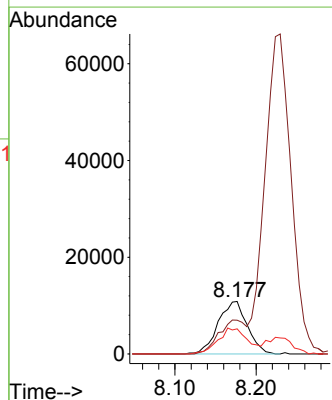


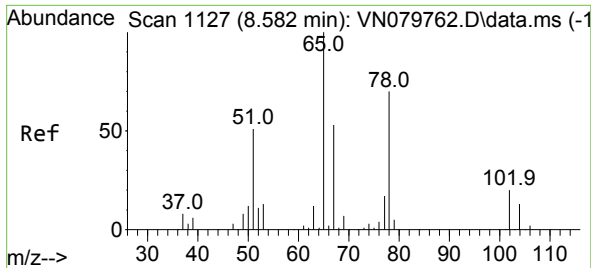
Tgt Ion: 56 Resp: 6010
Ion Ratio Lower Upper
56 100
69 137.5 26.8 40.2#
84 136.0 81.8 122.6#



#32
1,1,1-Trichloroethane
Concen: 5.658 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN079822.D
Acq: 03 Nov 2023 03:58

Tgt Ion: 97 Resp: 27127
Ion Ratio Lower Upper
97 100
99 60.0 50.3 75.5
61 50.4 34.7 52.1

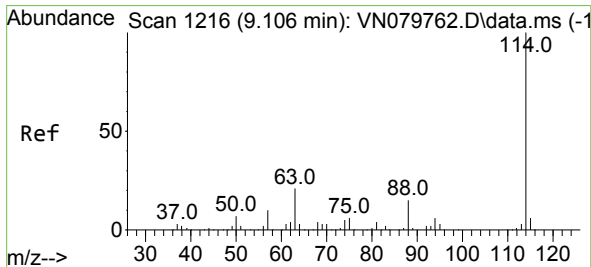
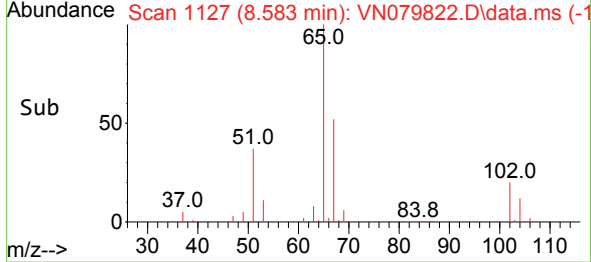
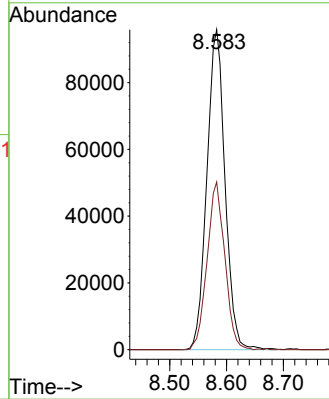
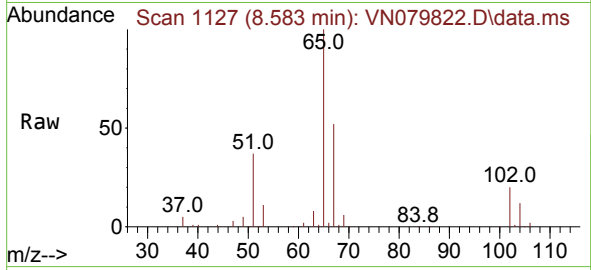




#33
 1,2-Dichloroethane-d4
 Concen: 59.680 ug/l
 RT: 8.583 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VN079822.D
 Acq: 03 Nov 2023 03:58

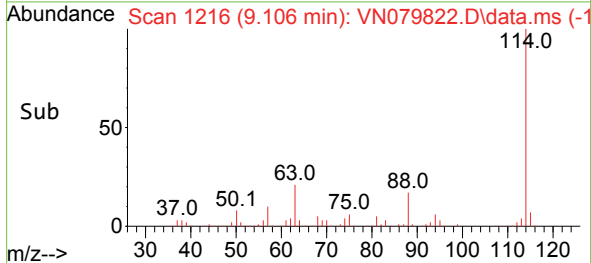
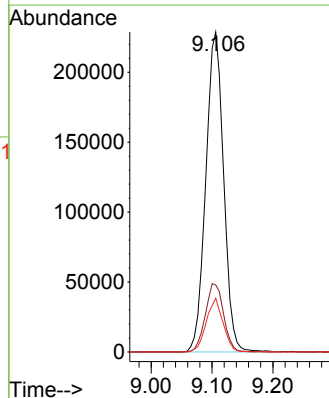
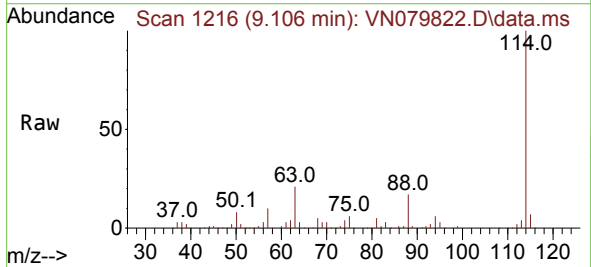
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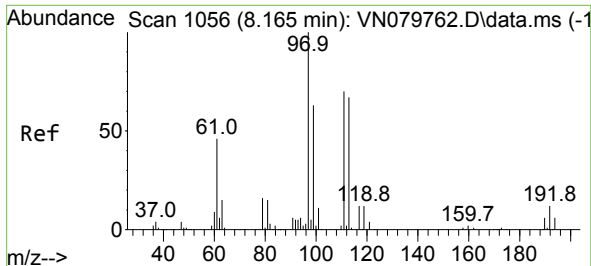
Tgt Ion: 65 Resp: 212098
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1216
 Delta R.T. 0.000 min
 Lab File: VN079822.D
 Acq: 03 Nov 2023 03:58

Tgt Ion: 114 Resp: 465759
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 36.4
 88 16.8 0.0 30.6

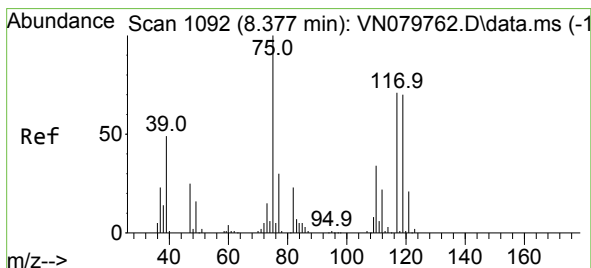
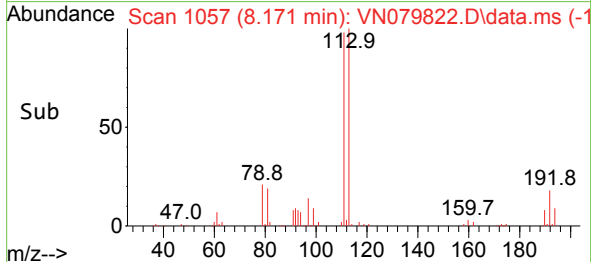
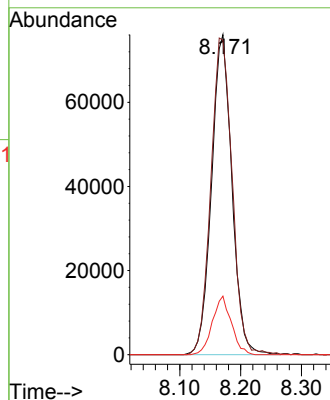
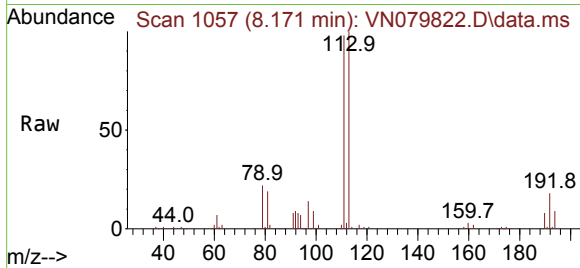




#35
Dibromofluoromethane
Concen: 53.485 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN079822.D
Acq: 03 Nov 2023 03:58

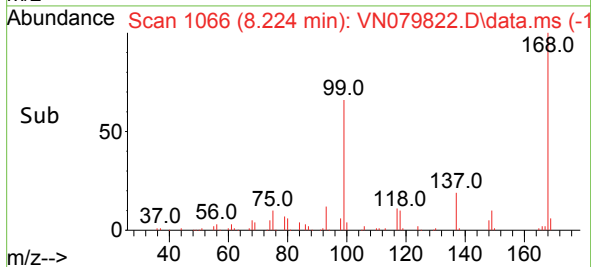
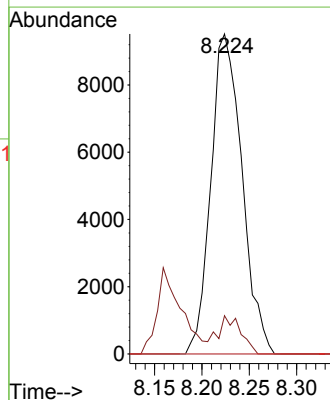
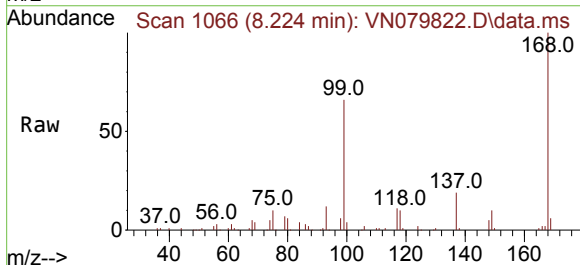
Instrument :
MSVOA_N
ClientSampleId :
FSND-FD-3-20231101

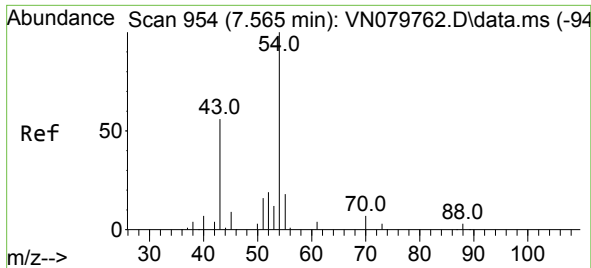
Tgt Ion:113 Resp: 176311
Ion Ratio Lower Upper
113 100
111 103.7 82.6 123.8
192 17.1 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.616 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN079822.D
Acq: 03 Nov 2023 03:58

Tgt Ion: 75 Resp: 21726
Ion Ratio Lower Upper
75 100
110 8.8 19.1 57.3#
77 0.0 25.0 37.4#

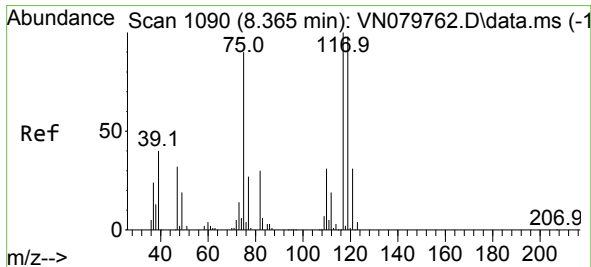
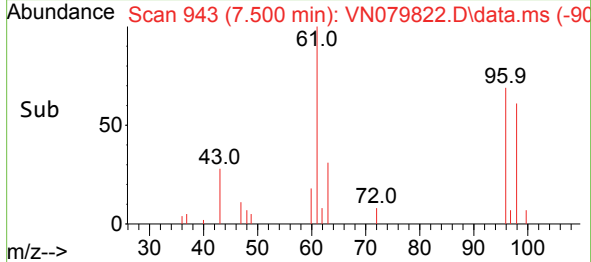
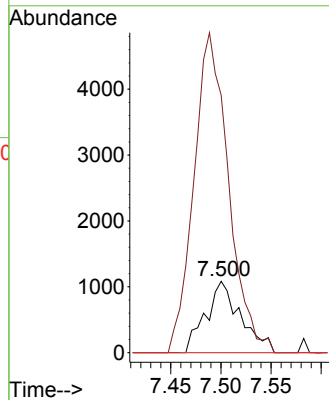
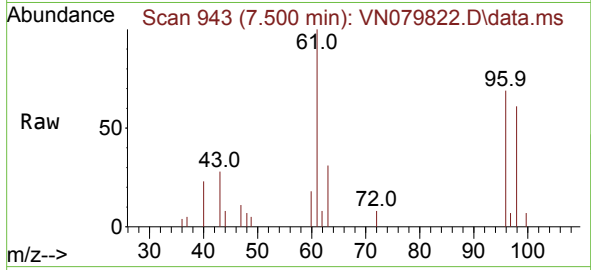




#37
Ethyl Acetate
Concen: 0.607 ug/l
RT: 7.500 min Scan# 94
Delta R.T. -0.065 min
Lab File: VN079822.D
Acq: 03 Nov 2023 03:58

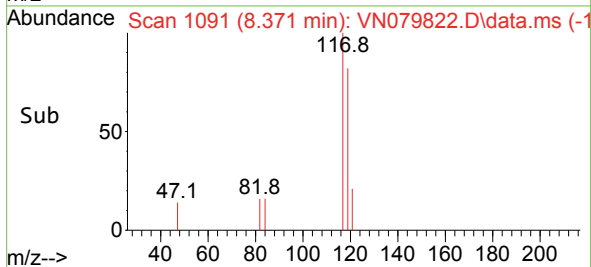
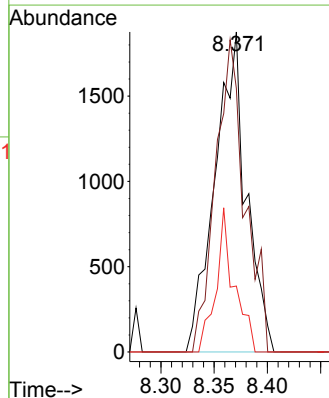
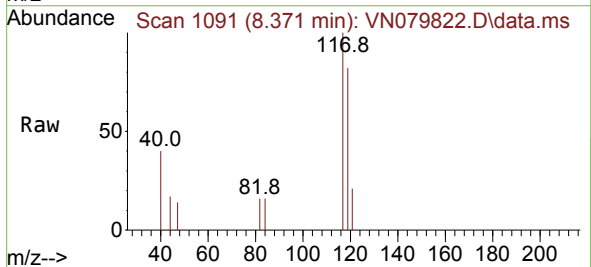
Instrument :
MSVOA_N
ClientSampleId :
FSND-FD-3-20231101

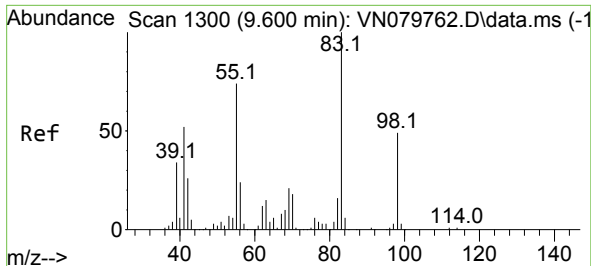
Tgt Ion: 43 Resp: 2622
Ion Ratio Lower Upper
43 100
61 446.6 13.2 19.8#
70 0.0 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 0.808 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.012 min
Lab File: VN079822.D
Acq: 03 Nov 2023 03:58

Tgt Ion: 117 Resp: 3834
Ion Ratio Lower Upper
117 100
119 82.4 77.3 115.9
121 20.6 23.3 34.9#





#39

Methylcyclohexane

Concen: 1.121 ug/l

RT: 9.359 min Scan# 1259

Delta R.T. -0.247 min

Lab File: VN079822.D

Acq: 03 Nov 2023 03:58

Instrument :

MSVOA_N

ClientSampleId :

FSND-FD-3-20231101

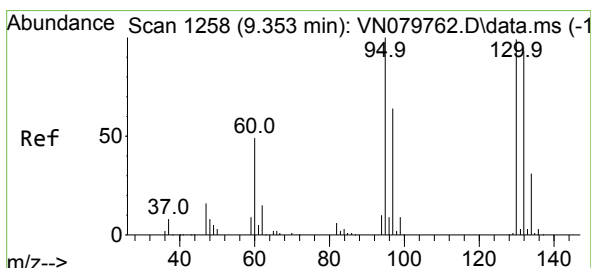
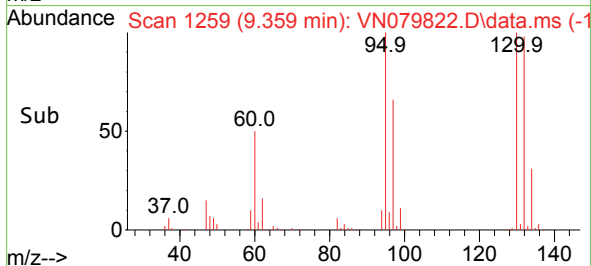
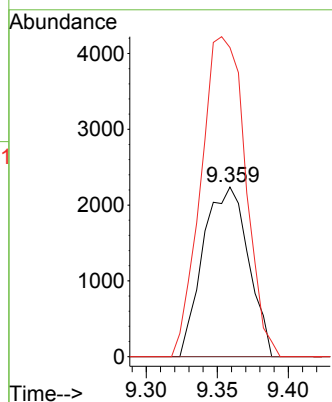
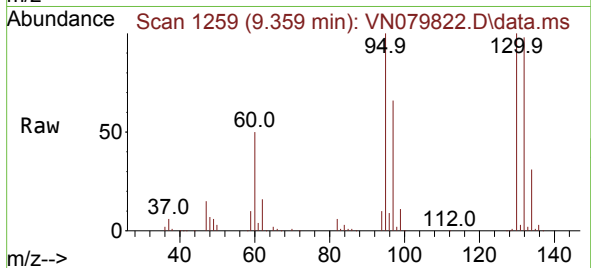
Tgt Ion: 83 Resp: 4966

Ion Ratio Lower Upper

83 100

55 0.0 49.1 73.7#

98 182.2 40.6 61.0#



#44

Trichloroethene

Concen: 103.491 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VN079822.D

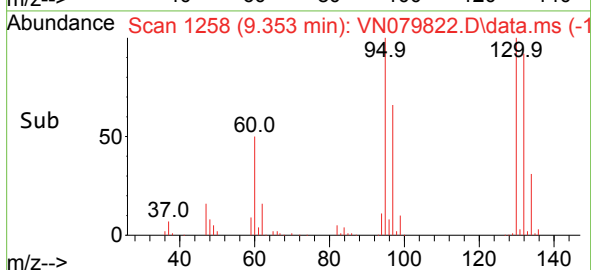
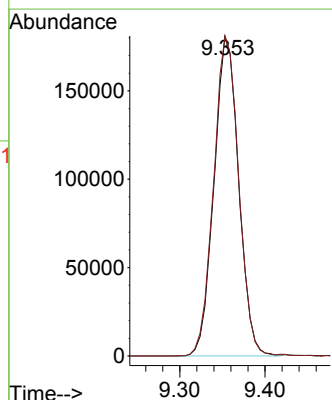
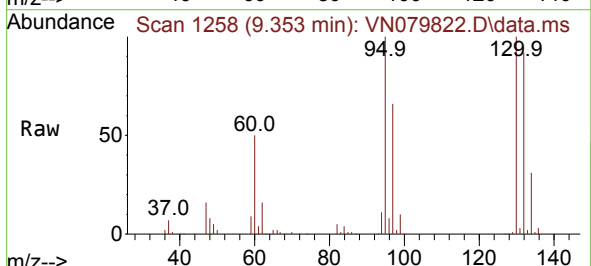
Acq: 03 Nov 2023 03:58

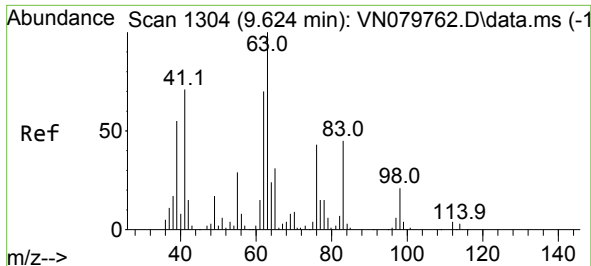
Tgt Ion:130 Resp: 362034

Ion Ratio Lower Upper

130 100

95 100.0 0.0 204.6





#45

1,2-Dichloropropane

Concen: 0.384 ug/l

RT: 9.353 min Scan# 11

Delta R.T. -0.270 min

Lab File: VN079822.D

Acq: 03 Nov 2023 03:58

Instrument :

MSVOA_N

ClientSampleId :

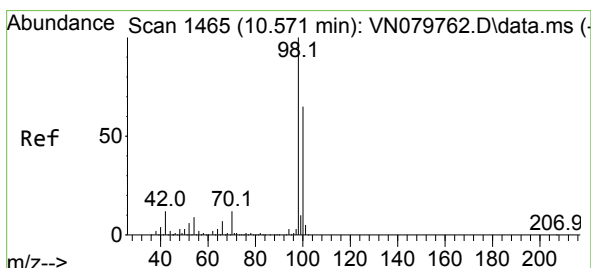
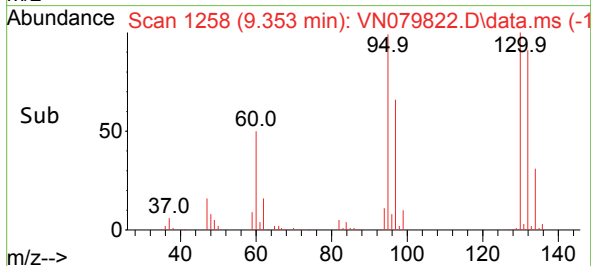
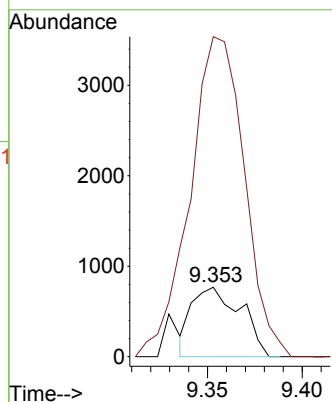
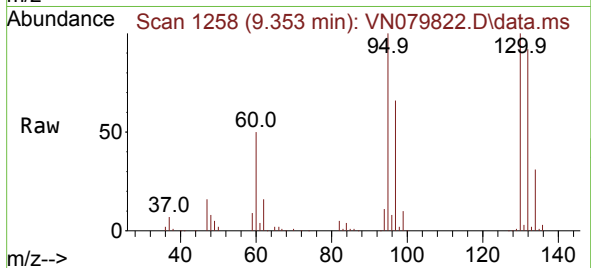
FSND-FD-3-20231101

Tgt Ion: 63 Resp: 1382

Ion Ratio Lower Upper

63 100

65 440.1 23.9 35.9#



#50

Toluene-d8

Concen: 50.638 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN079822.D

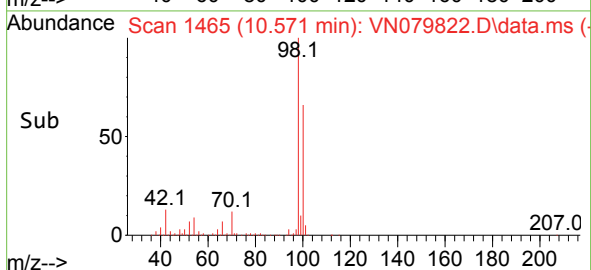
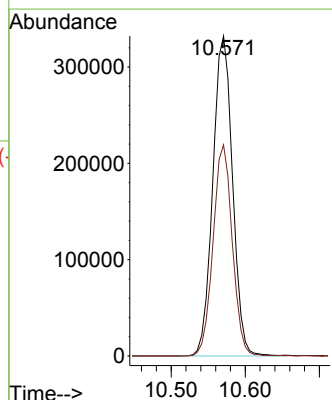
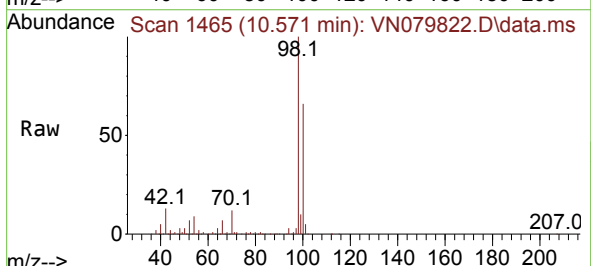
Acq: 03 Nov 2023 03:58

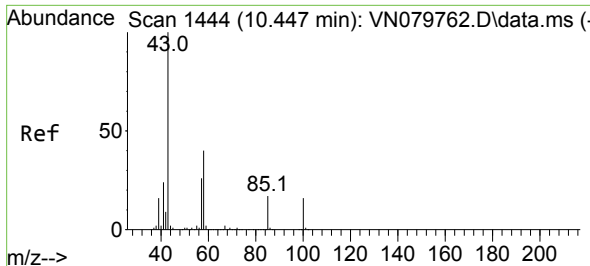
Tgt Ion: 98 Resp: 614512

Ion Ratio Lower Upper

98 100

100 64.2 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 0.780 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.118 min

Lab File: VN079822.D

Acq: 03 Nov 2023 03:58

Instrument :

MSVOA_N

ClientSampleId :

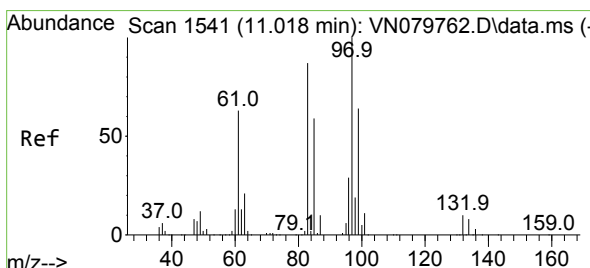
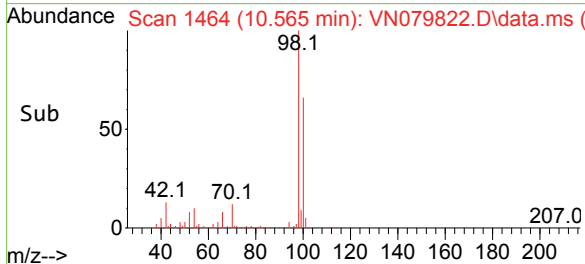
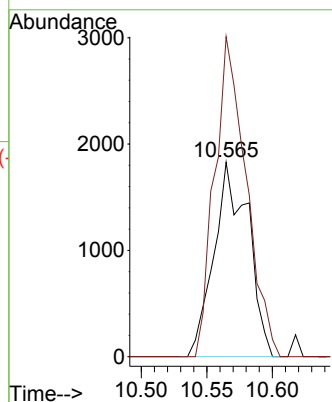
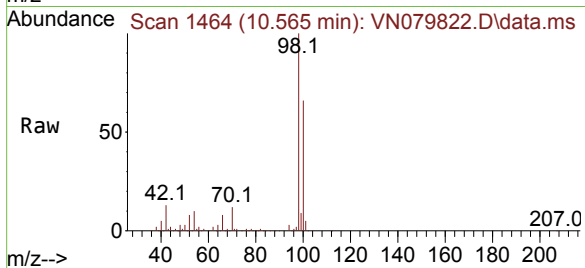
FSND-FD-3-20231101

Tgt Ion: 43 Resp: 3325

Ion Ratio Lower Upper

43 100

58 151.6 36.6 54.8#



#55

1,1,2-Trichloroethane

Concen: 0.201 ug/l

RT: 11.018 min Scan# 1541

Delta R.T. 0.000 min

Lab File: VN079822.D

Acq: 03 Nov 2023 03:58

Tgt Ion: 97 Resp: 674

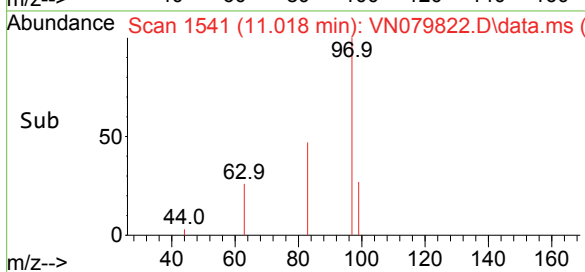
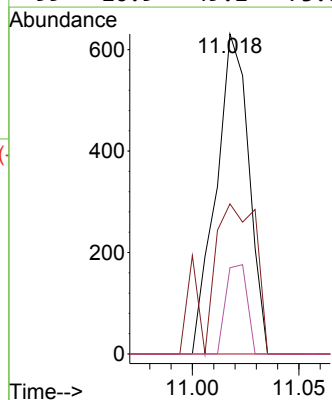
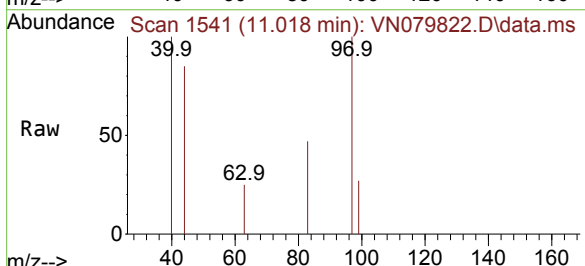
Ion Ratio Lower Upper

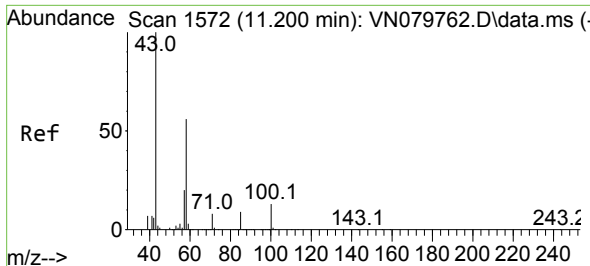
97 100

83 46.9 65.1 97.7#

85 0.0 43.4 65.2#

99 26.9 49.2 73.8#

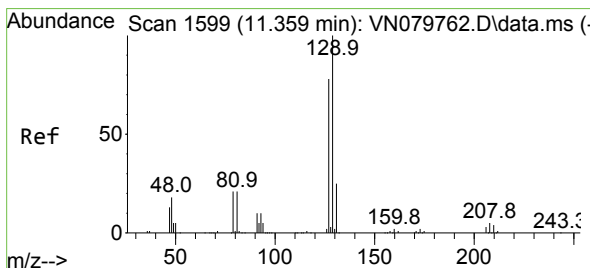
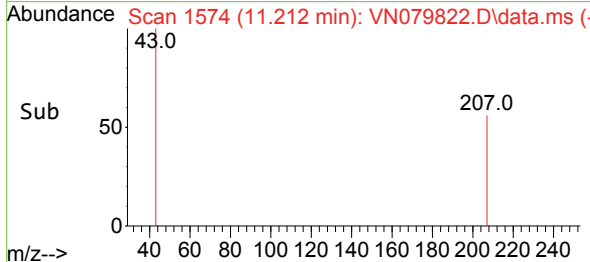
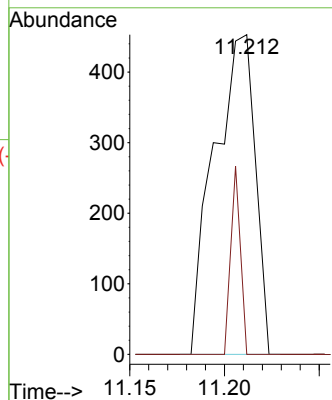
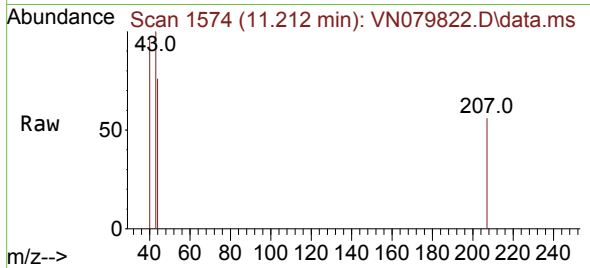




#59
2-Hexanone
Concen: 0.209 ug/l
RT: 11.212 min Scan# 1156
Delta R.T. 0.012 min
Lab File: VN079822.D
Acq: 03 Nov 2023 03:58

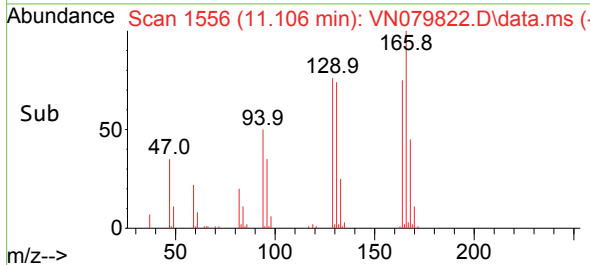
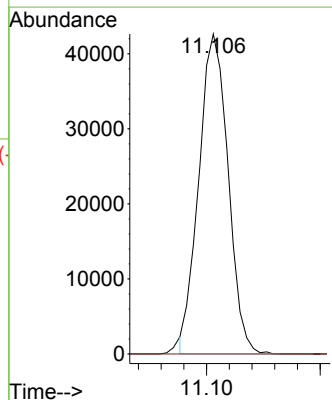
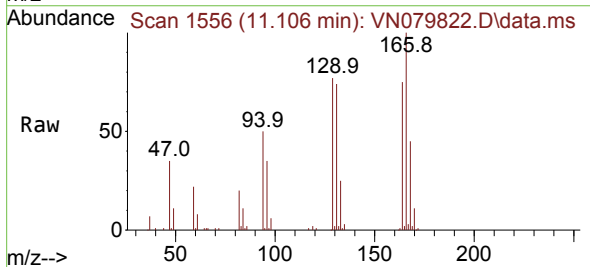
Instrument :
MSVOA_N
ClientSampleId :
FSND-FD-3-20231101

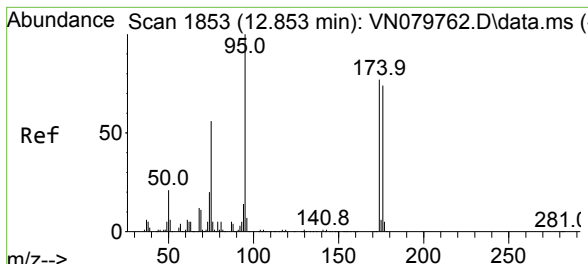
Tgt Ion: 43 Resp: 681
Ion Ratio Lower Upper
43 100
58 13.8 31.7 95.1#



#60
Dibromochloromethane
Concen: 21.210 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.259 min
Lab File: VN079822.D
Acq: 03 Nov 2023 03:58

Tgt Ion: 129 Resp: 76317
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

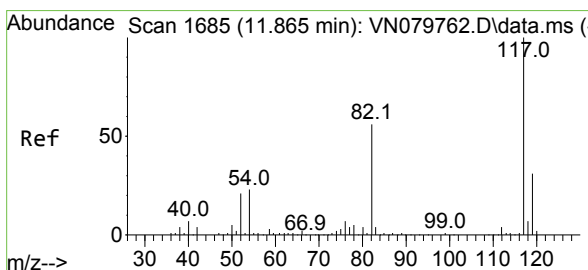
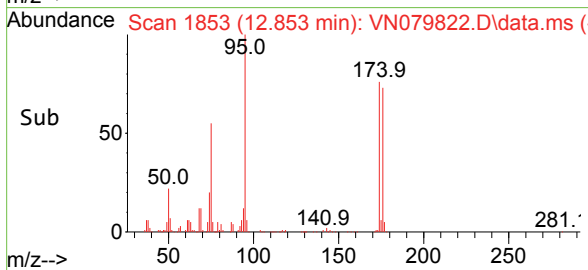
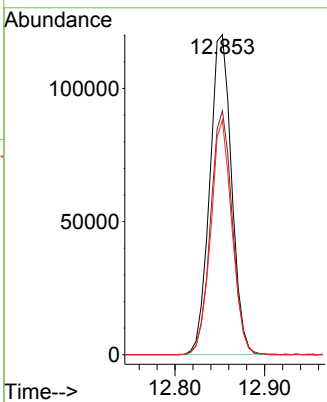
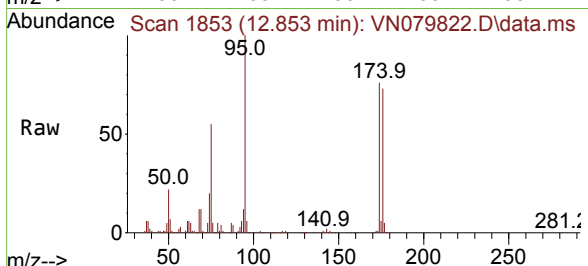




#62
4-Bromofluorobenzene
Concen: 50.481 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079822.D
Acq: 03 Nov 2023 03:58

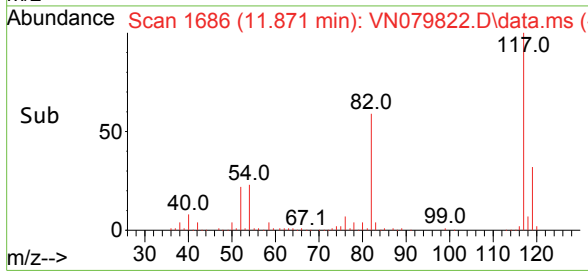
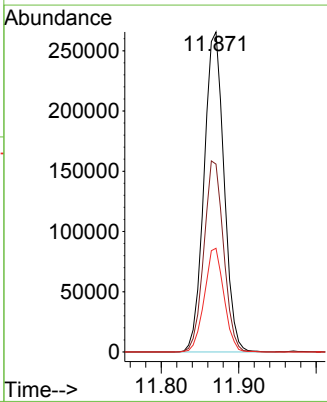
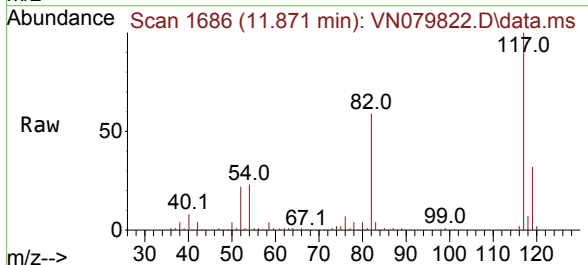
Instrument : MSVOA_N
ClientSampleId : FSND-FD-3-20231101

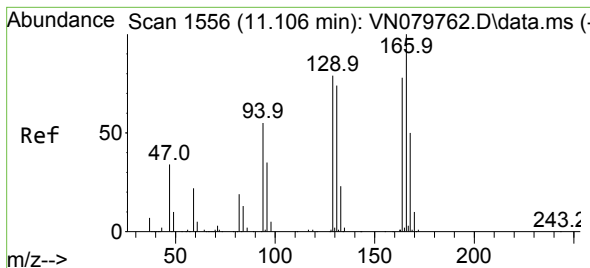
Tgt Ion:	95	Resp:	203171
Ion	Ratio	Lower	Upper
95	100		
174	76.0	0.0	143.8
176	71.2	0.0	135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN079822.D
Acq: 03 Nov 2023 03:58

Tgt Ion:	117	Resp:	476026
Ion	Ratio	Lower	Upper
117	100		
82	58.7	44.0	66.0
119	32.4	25.6	38.4





#64

Tetrachloroethene

Concen: 24.561 ug/l

RT: 11.106 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN079822.D

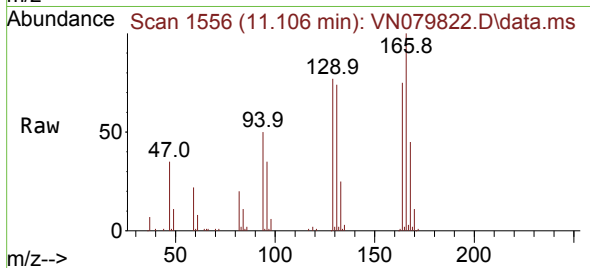
Acq: 03 Nov 2023 03:58

Instrument :

MSVOA_N

ClientSampleId :

FSND-FD-3-20231101



Tgt Ion:164 Resp: 75723

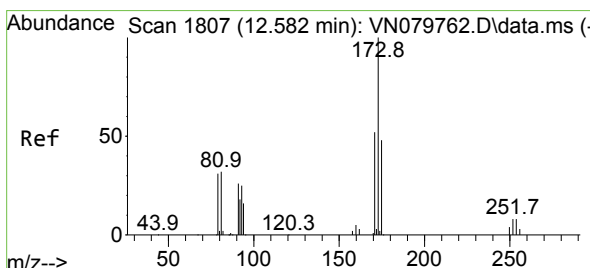
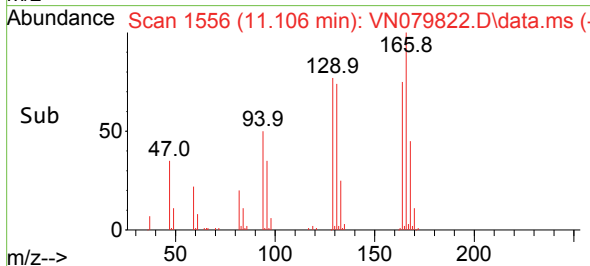
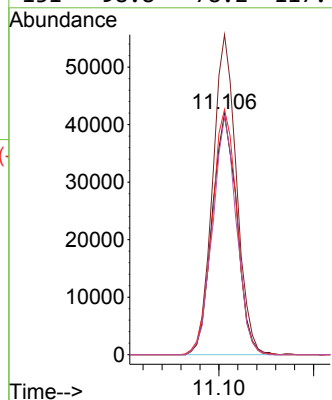
Ion Ratio Lower Upper

164 100

166 132.8 101.4 152.0

129 101.8 82.4 123.6

131 98.8 78.2 117.4



#71

Bromoform

Concen: 0.693 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.271 min

Lab File: VN079822.D

Acq: 03 Nov 2023 03:58

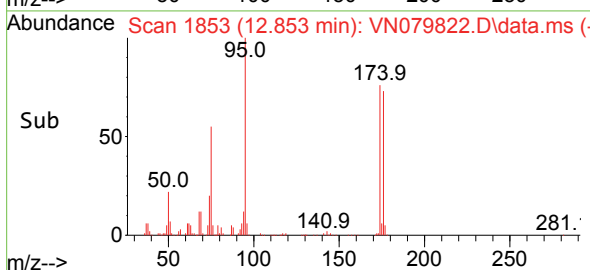
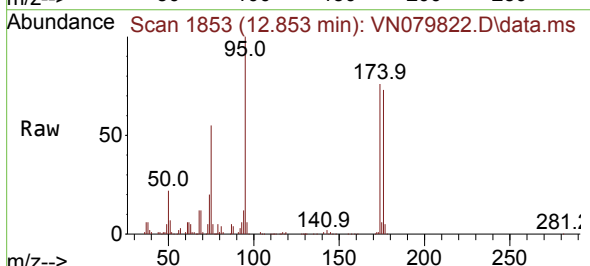
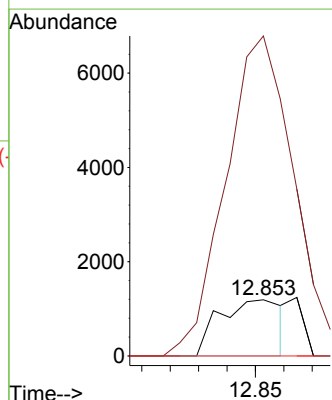
Tgt Ion:173 Resp: 1830

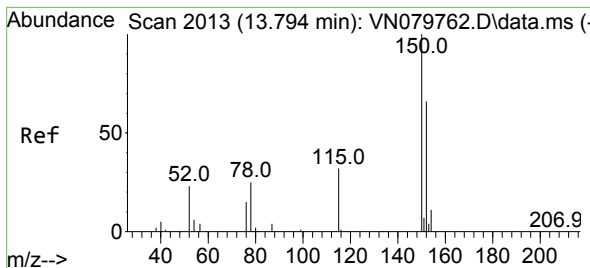
Ion Ratio Lower Upper

173 100

175 506.1 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: VN079822.D

Acq: 03 Nov 2023 03:58

Instrument :

MSVOA_N

ClientSampleId :

FSND-FD-3-20231101

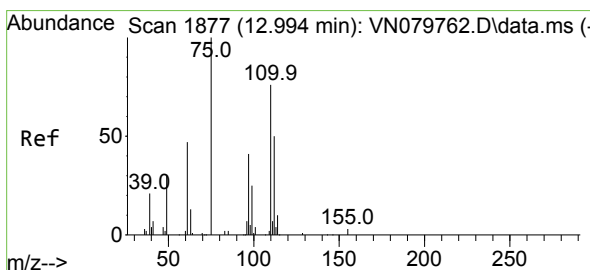
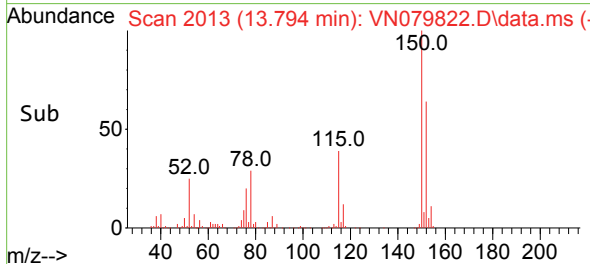
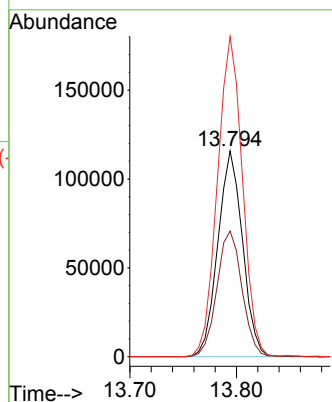
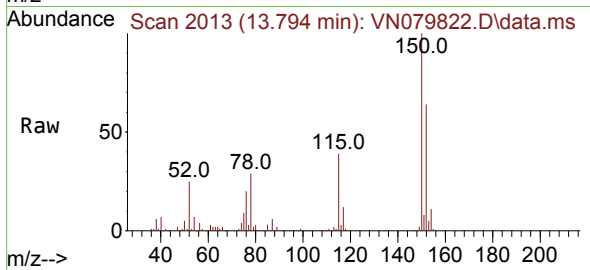
Tgt Ion:152 Resp: 185969

Ion Ratio Lower Upper

152 100

115 62.1 32.3 96.8

150 157.5 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 25.754 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN079822.D

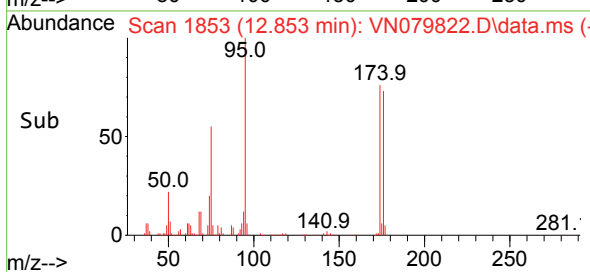
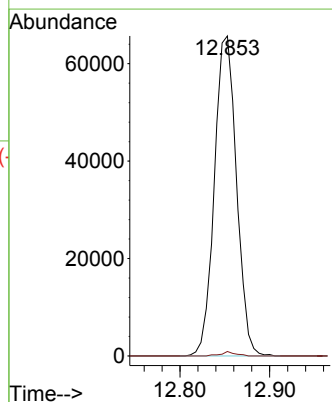
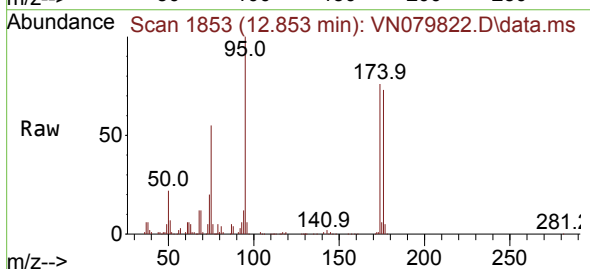
Acq: 03 Nov 2023 03:58

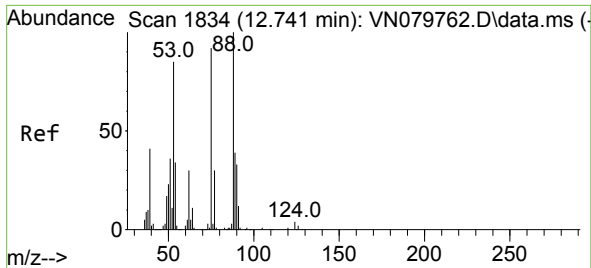
Tgt Ion: 75 Resp: 112444

Ion Ratio Lower Upper

75 100

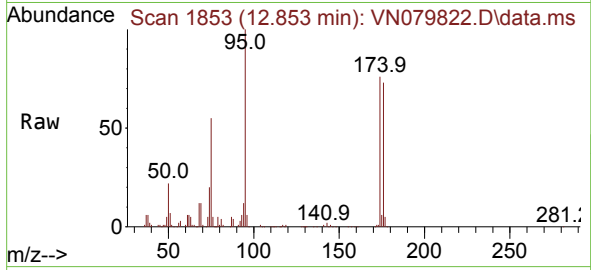
77 0.9 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.072 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN079822.D
 Acq: 03 Nov 2023 03:58

Instrument :
 MSVOA_N
 ClientSampleId :
 FSND-FD-3-20231101



Tgt Ion: 75 Resp: 112444
 Ion Ratio Lower Upper
 75 100
 53 0.1 67.4 101.2#
 89 0.0 38.8 58.2#

