

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061623\
 Data File : VN078255.D
 Acq On : 16 Jun 2023 13:14
 Operator : JC\MD
 Sample : 03231-11DL 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FSND-MW-EVAL-3D-06122023DL

Quant Time: Jun 17 02:22:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

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

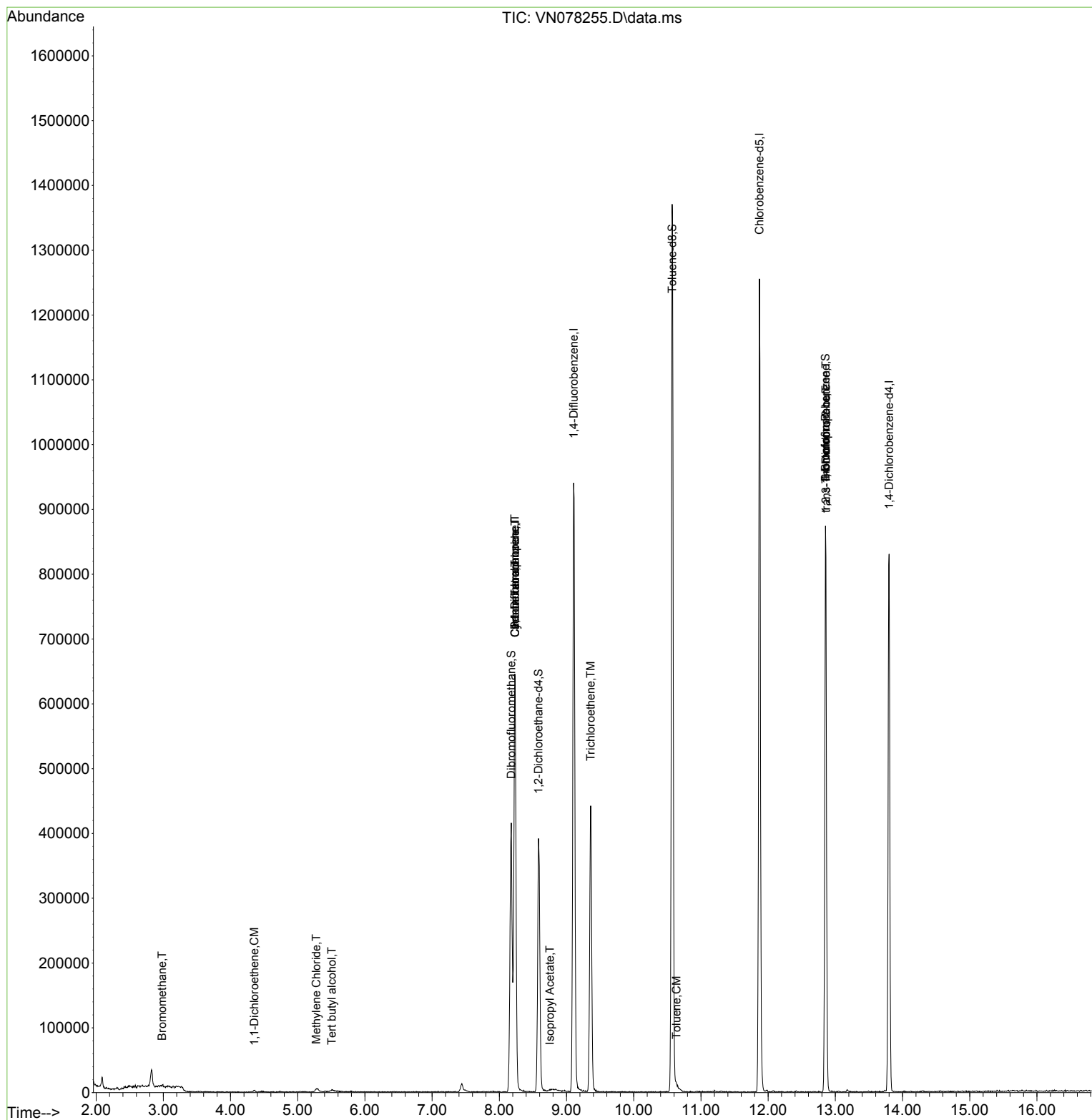
Internal Standards						
1) Pentafluorobenzene	8.230	168	457041	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	838351	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	734421	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	228796	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	324731	53.289	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.580%	
35) Dibromofluoromethane	8.177	113	290015	54.712	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 109.420%	
50) Toluene-d8	10.571	98	984846	48.194	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 96.380%	
62) 4-Bromofluorobenzene	12.853	95	301537	47.466	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 94.940%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1142	Below Cal	#	42
5) Bromomethane	2.983	94	2184	0.427	ug/l #	56
11) Tert butyl alcohol	5.506	59	1999	2.376	ug/l #	72
12) 1,1-Dichloroethene	4.353	96	1482	0.297	ug/l #	59
20) Methylene Chloride	5.277	84	3983	0.687	ug/l #	82
31) Cyclohexane	8.236	56	12073	1.544	ug/l #	55
36) 1,1-Dichloropropene	8.230	75	39450	5.189	ug/l #	49
38) Carbon Tetrachloride	8.236	117	50360	6.273	ug/l #	17
43) Isopropyl Acetate	8.753	43	2286	0.201	ug/l #	49
44) Trichloroethene	9.359	130	158411	26.426	ug/l	89
52) Toluene	10.635	92	2965	0.207	ug/l	76
71) Bromoform	12.853	173	3462	0.927	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.941	83	402	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.859	75	165706	30.636	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.859	75	165706	94.124	ug/l #	15

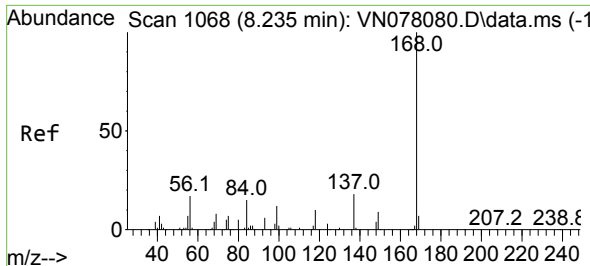
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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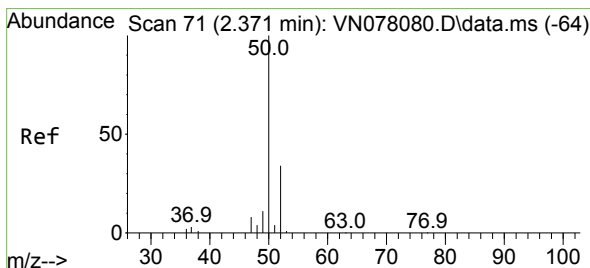
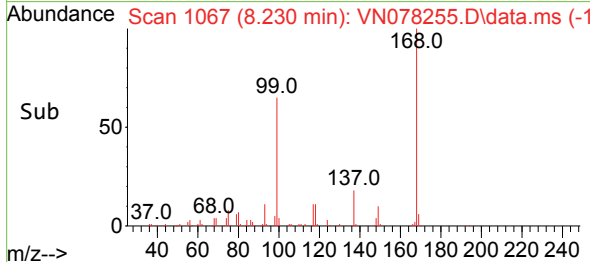
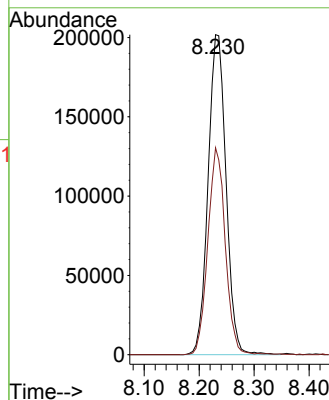
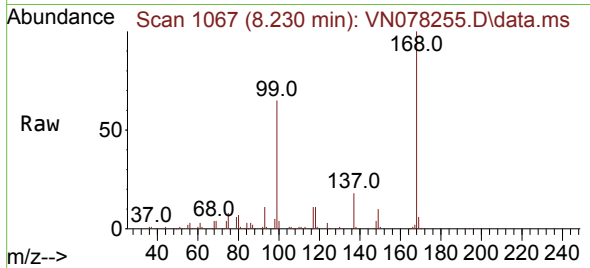




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.005 min
Lab File: VN078255.D
Acq: 16 Jun 2023 13:14

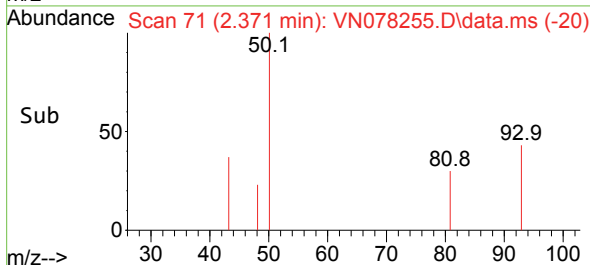
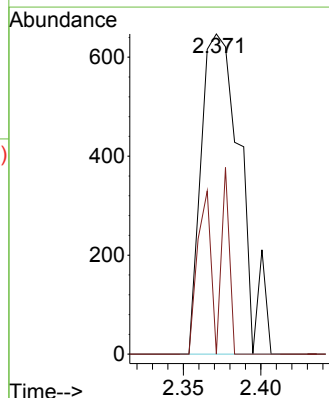
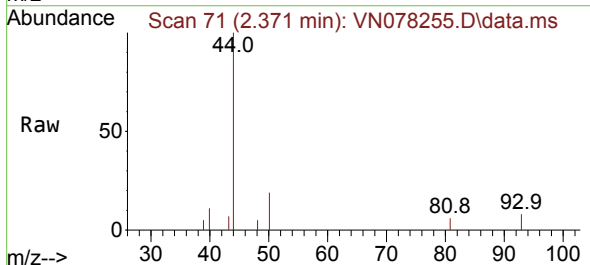
Instrument :
MSVOA_N
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FSND-MW-EVAL-3D-06122023DL

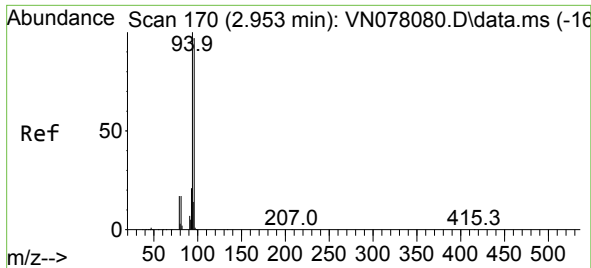
Tgt Ion:168 Resp: 457041
Ion Ratio Lower Upper
168 100
99 64.6 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN078255.D
Acq: 16 Jun 2023 13:14

Tgt Ion: 50 Resp: 1142
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

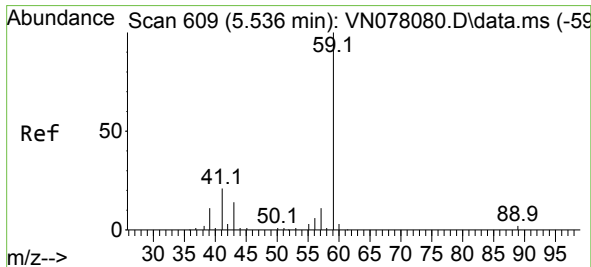
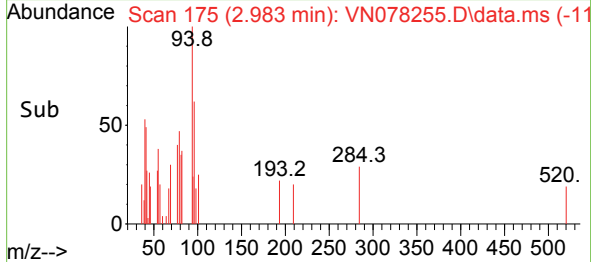
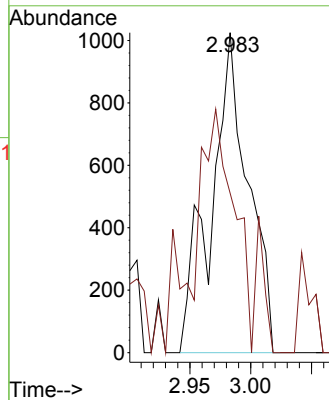
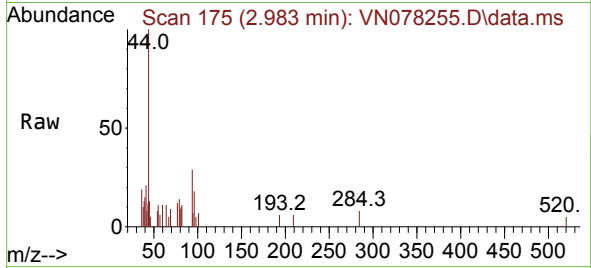




#5
Bromomethane
Concen: 0.427 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.030 min
Lab File: VN078255.D
Acq: 16 Jun 2023 13:14

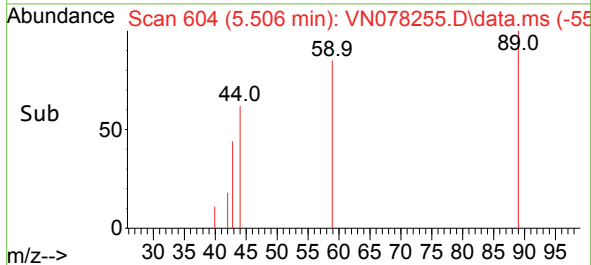
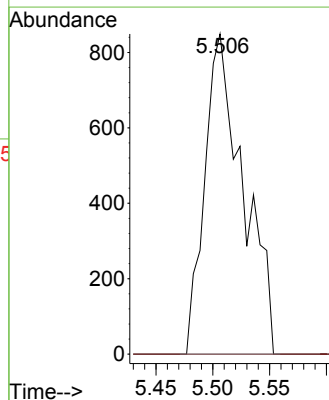
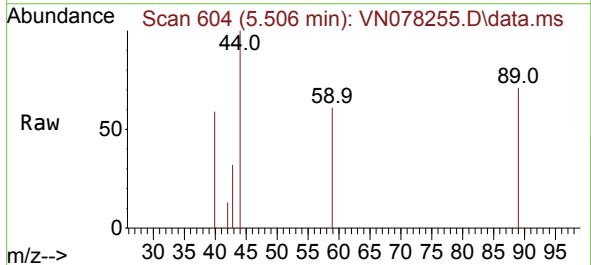
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-EVAL-3D-06122023DL

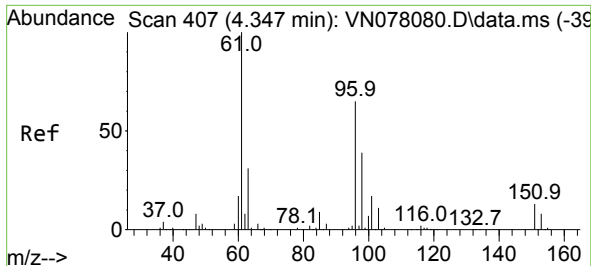
Tgt Ion: 94 Resp: 2184
Ion Ratio Lower Upper
94 100
96 49.9 73.1 109.7#



#11
Tert butyl alcohol
Concen: 2.376 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.029 min
Lab File: VN078255.D
Acq: 16 Jun 2023 13:14

Tgt Ion: 59 Resp: 1999
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#12

1,1-Dichloroethene

Concen: 0.297 ug/l

RT: 4.353 min Scan# 408

Delta R.T. 0.006 min

Lab File: VN078255.D

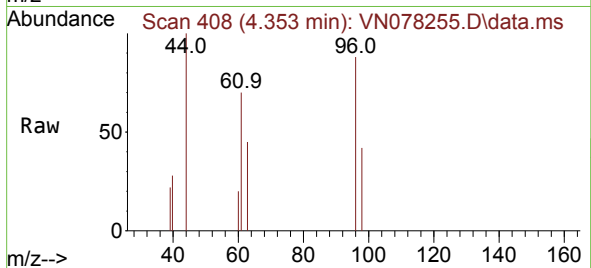
Acq: 16 Jun 2023 13:14

Instrument :

MSVOA_N

ClientSampleId :

FSND-MW-EVAL-3D-06122023DL



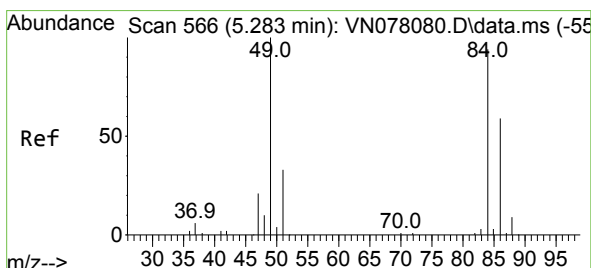
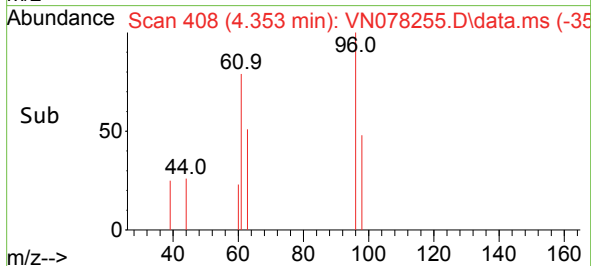
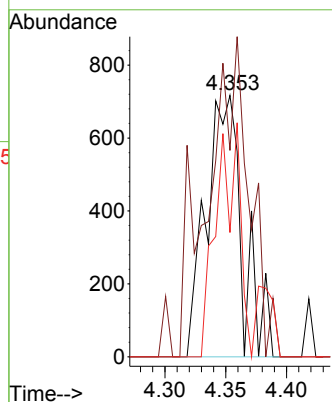
Tgt Ion: 96 Resp: 1482

Ion Ratio Lower Upper

96 100

61 78.9 112.7 169.1#

98 47.6 51.2 76.8#



#20

Methylene Chloride

Concen: 0.687 ug/l

RT: 5.277 min Scan# 565

Delta R.T. -0.006 min

Lab File: VN078255.D

Acq: 16 Jun 2023 13:14

Tgt Ion: 84 Resp: 3983

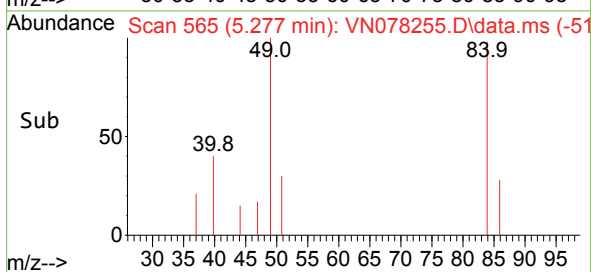
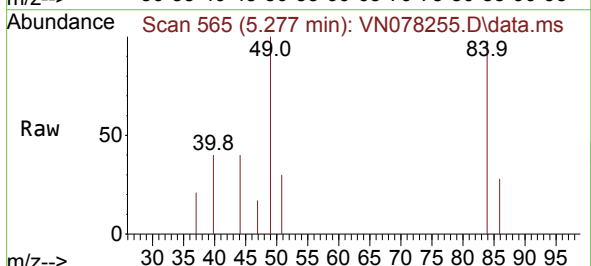
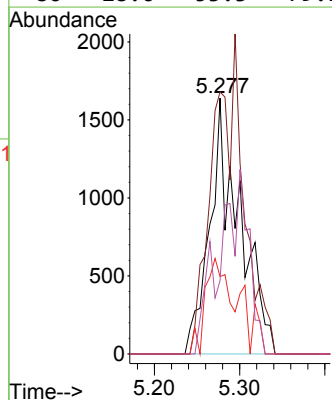
Ion Ratio Lower Upper

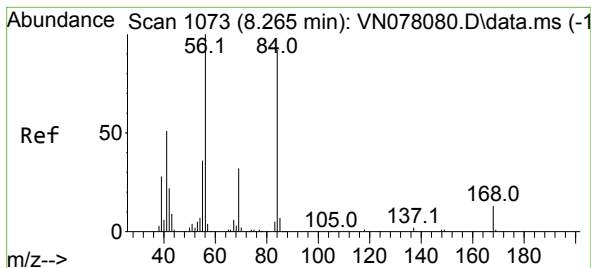
84 100

49 102.4 79.7 119.5

51 30.2 25.2 37.8

86 28.6 53.3 79.9#





#31

Cyclohexane

Concen: 1.544 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.029 min

Lab File: VN078255.D

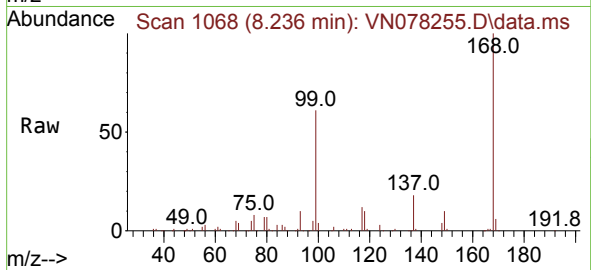
Acq: 16 Jun 2023 13:14

Instrument :

MSVOA_N

ClientSampleId :

FSND-MW-EVAL-3D-06122023DL



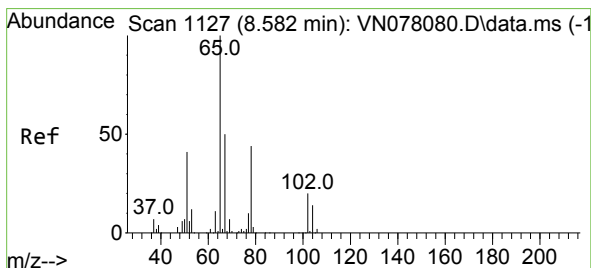
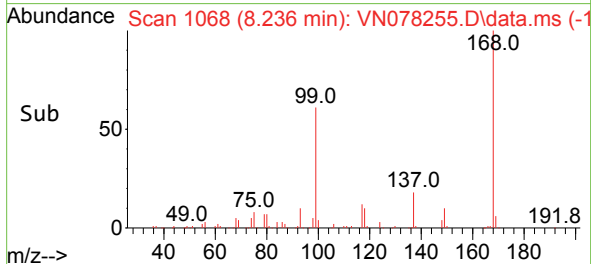
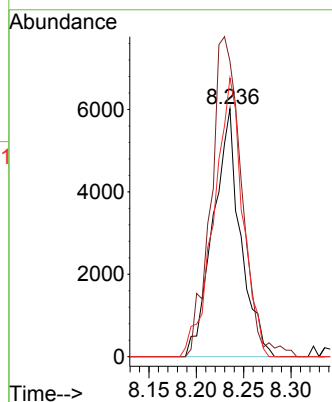
Tgt Ion: 56 Resp: 12073

Ion Ratio Lower Upper

56 100

69 119.1 26.8 40.2#

84 112.4 81.8 122.6



#33

1,2-Dichloroethane-d4

Concen: 53.289 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN078255.D

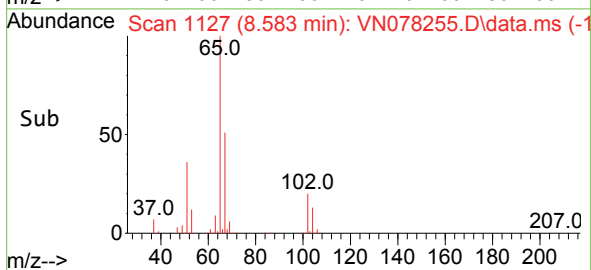
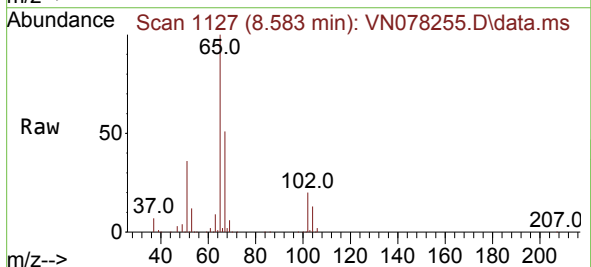
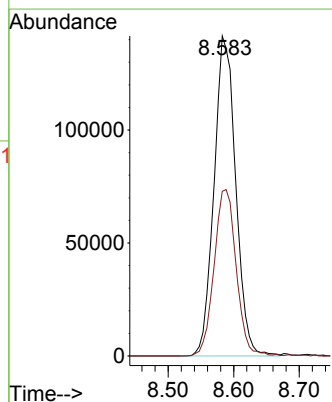
Acq: 16 Jun 2023 13:14

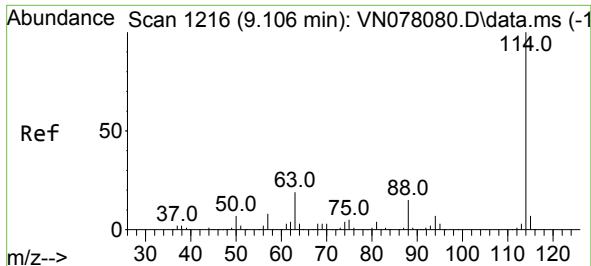
Tgt Ion: 65 Resp: 324731

Ion Ratio Lower Upper

65 100

67 53.0 0.0 106.6

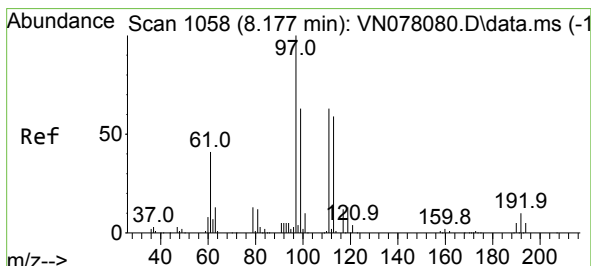
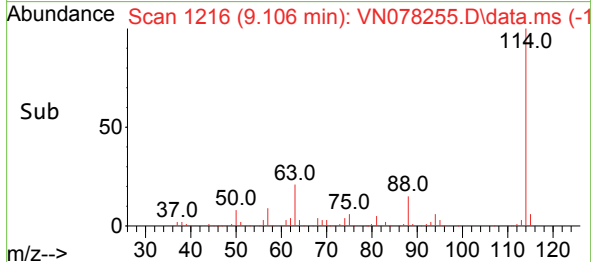
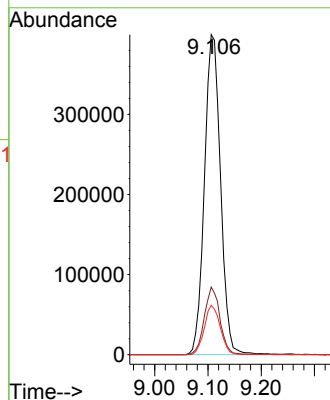
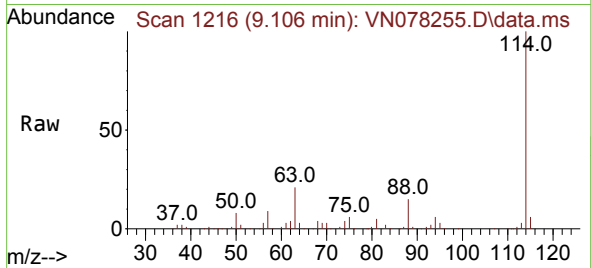




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN078255.D
Acq: 16 Jun 2023 13:14

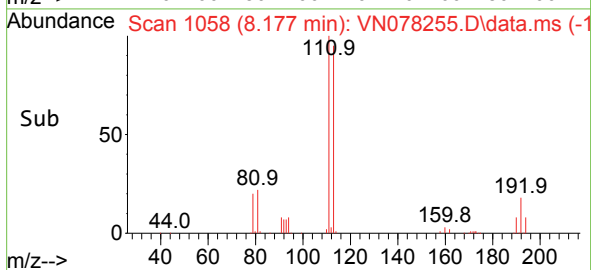
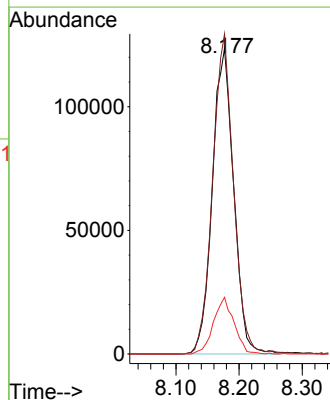
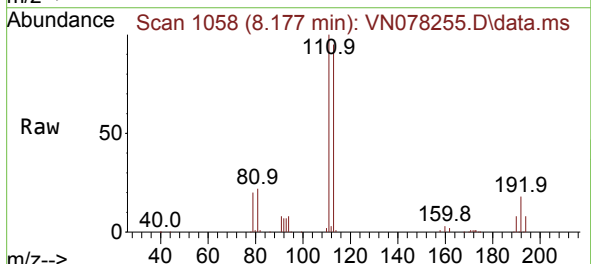
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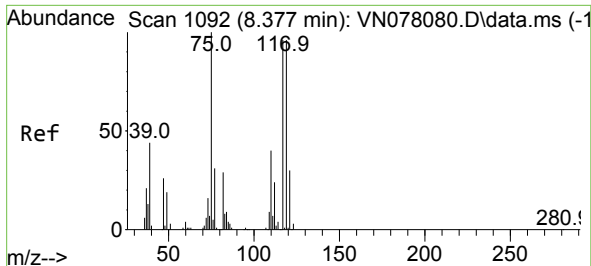
Tgt Ion:114 Resp: 838351
Ion Ratio Lower Upper
114 100
63 21.2 0.0 36.4
88 15.4 0.0 30.6



#35
Dibromofluoromethane
Concen: 54.712 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VN078255.D
Acq: 16 Jun 2023 13:14

Tgt Ion:113 Resp: 290015
Ion Ratio Lower Upper
113 100
111 103.0 82.6 123.8
192 17.7 12.7 19.1





#36

1,1-Dichloropropene

Concen: 5.189 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN078255.D

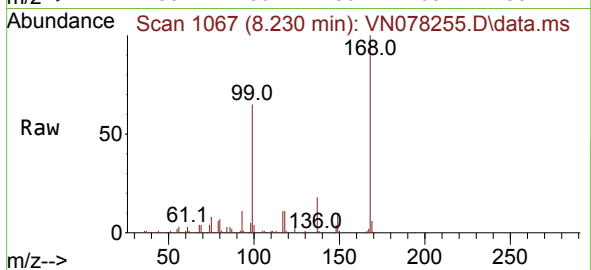
Acq: 16 Jun 2023 13:14

Instrument :

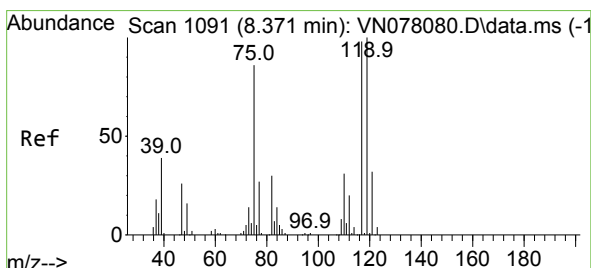
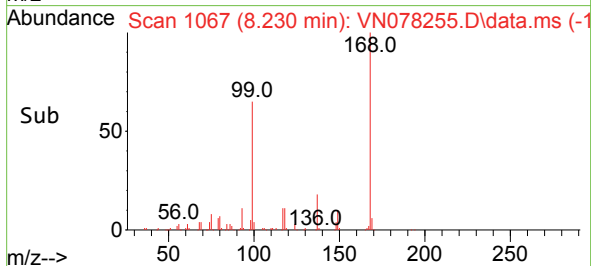
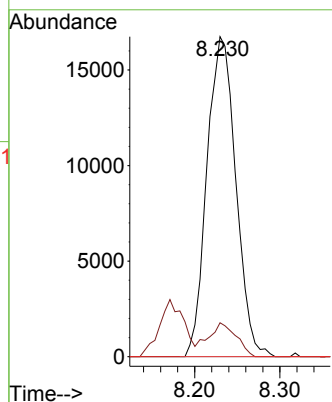
MSVOA_N

ClientSampleId :

FSND-MW-EVAL-3D-06122023DL



Tgt Ion: 75	Resp: 39450
Ion Ratio	Lower Upper
75	100
110	10.3 19.1 57.3#
77	0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.273 ug/l

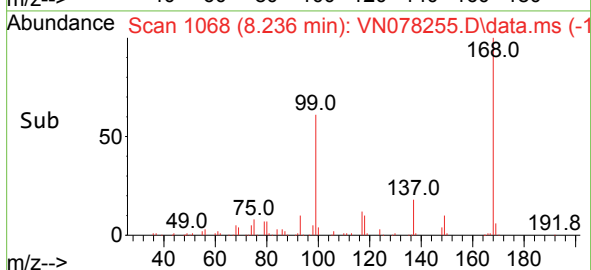
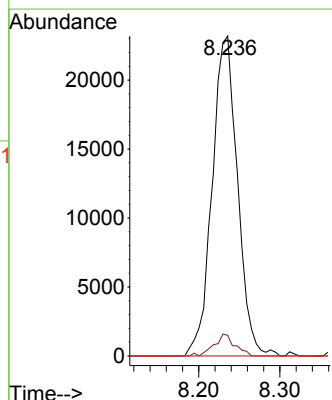
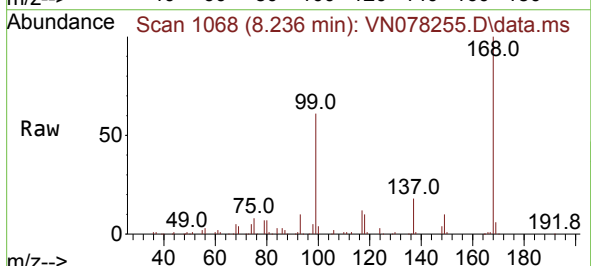
RT: 8.236 min Scan# 1068

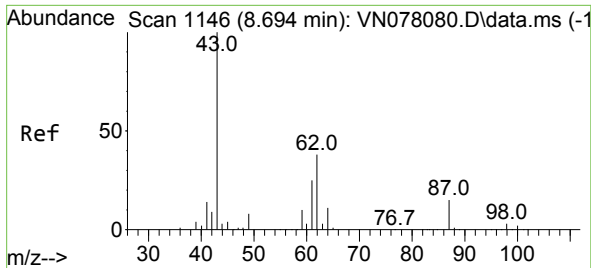
Delta R.T. -0.135 min

Lab File: VN078255.D

Acq: 16 Jun 2023 13:14

Tgt Ion: 117	Resp: 50360
Ion Ratio	Lower Upper
117	100
119	6.5 77.3 115.9#
121	0.0 23.3 34.9#

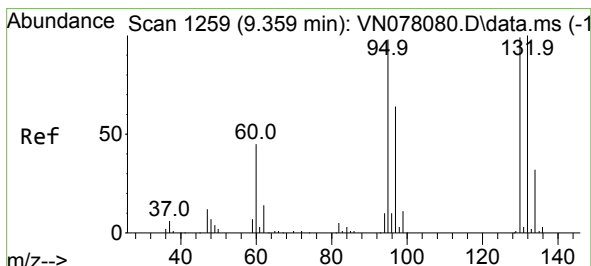
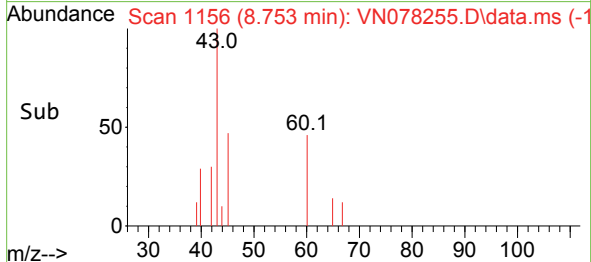
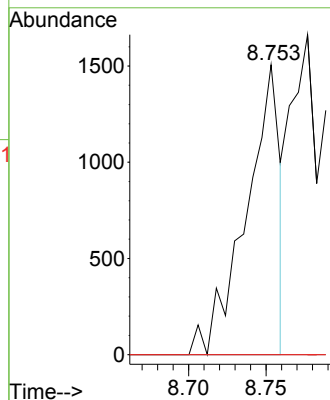
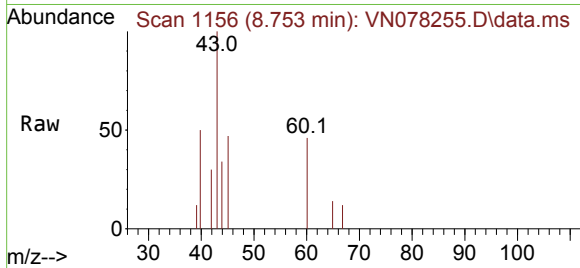




#43
Isopropyl Acetate
Concen: 0.201 ug/l
RT: 8.753 min Scan# 1156
Delta R.T. 0.059 min
Lab File: VN078255.D
Acq: 16 Jun 2023 13:14

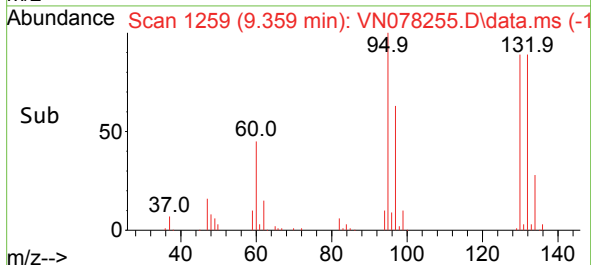
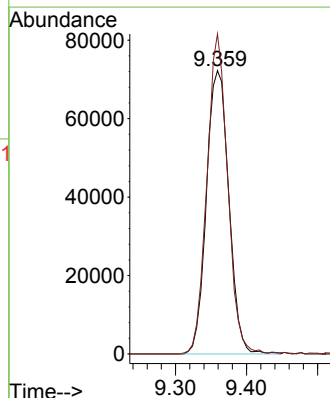
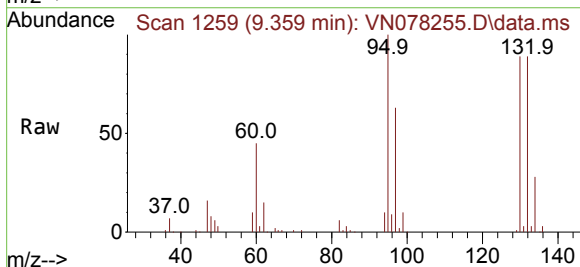
Instrument :
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FSND-MW-EVAL-3D-06122023DL

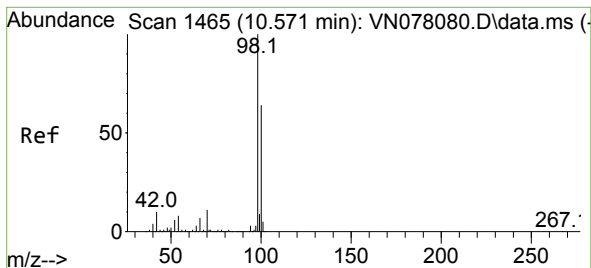
Tgt Ion: 43 Resp: 2286
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#44
Trichloroethene
Concen: 26.426 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. 0.000 min
Lab File: VN078255.D
Acq: 16 Jun 2023 13:14

Tgt Ion:130 Resp: 158411
Ion Ratio Lower Upper
130 100
95 113.0 0.0 204.6





#50

Toluene-d8

Concen: 48.194 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN078255.D

Acq: 16 Jun 2023 13:14

Instrument :

MSVOA_N

ClientSampleId :

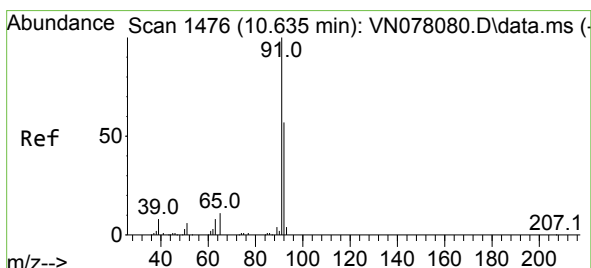
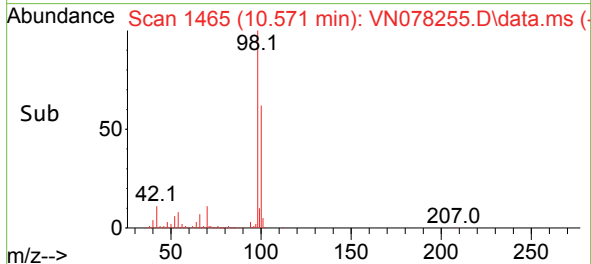
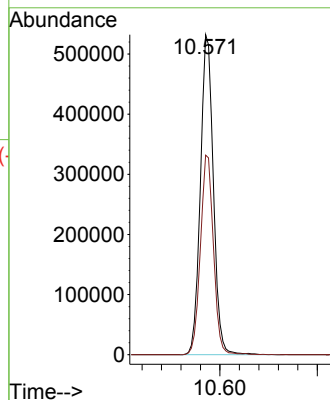
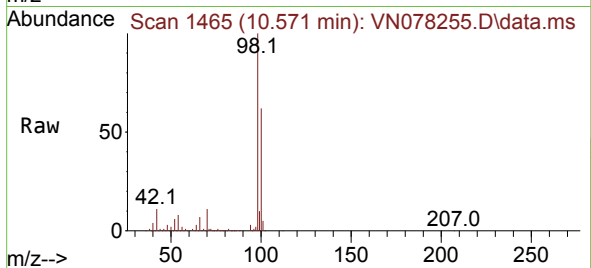
FSND-MW-EVAL-3D-06122023DL

Tgt Ion: 98 Resp: 984846

Ion Ratio Lower Upper

98 100

100 62.8 52.0 78.0



#52

Toluene

Concen: 0.207 ug/l

RT: 10.635 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VN078255.D

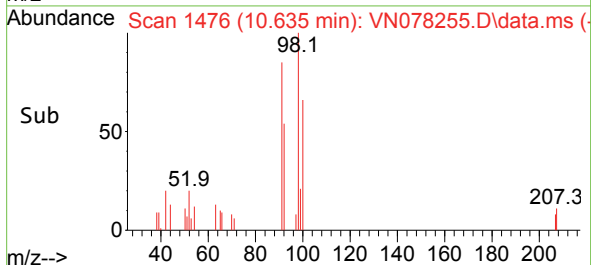
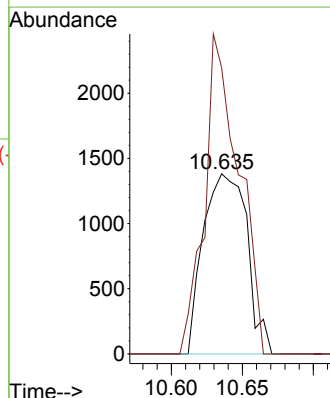
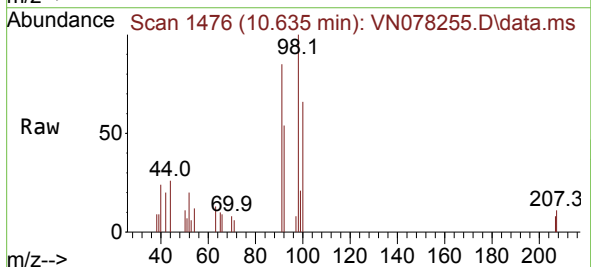
Acq: 16 Jun 2023 13:14

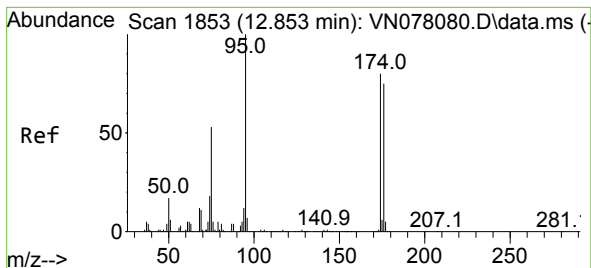
Tgt Ion: 92 Resp: 2965

Ion Ratio Lower Upper

92 100

91 138.8 137.4 206.0

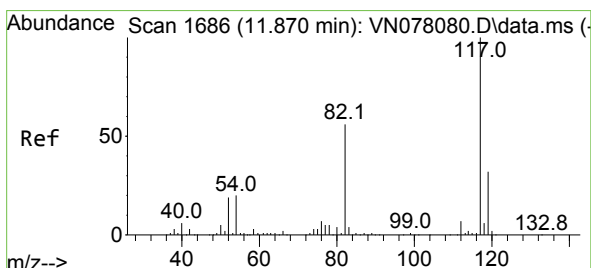
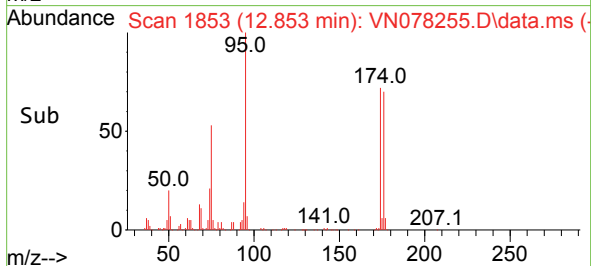
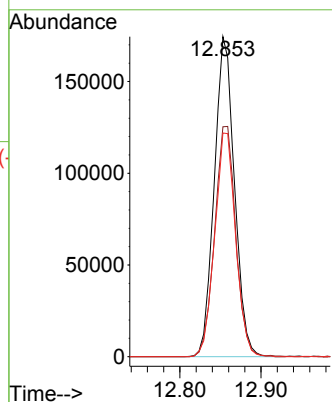
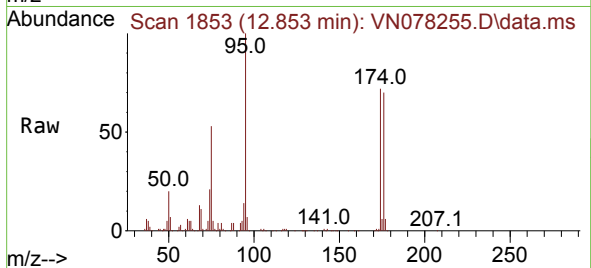




#62
4-Bromofluorobenzene
Concen: 47.466 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078255.D
Acq: 16 Jun 2023 13:14

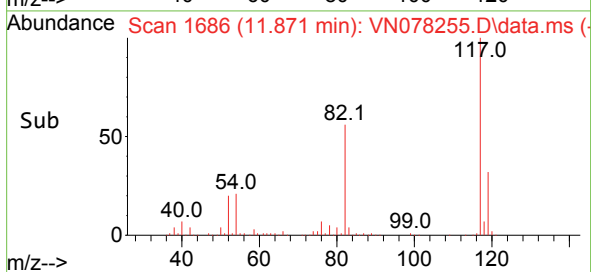
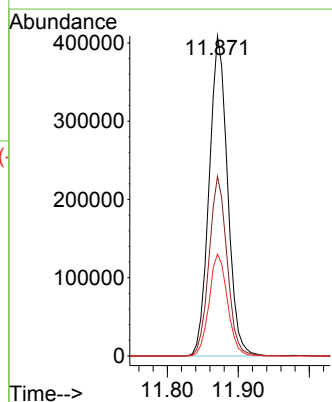
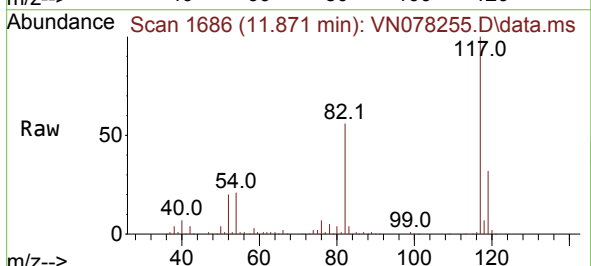
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-EVAL-3D-06122023DL

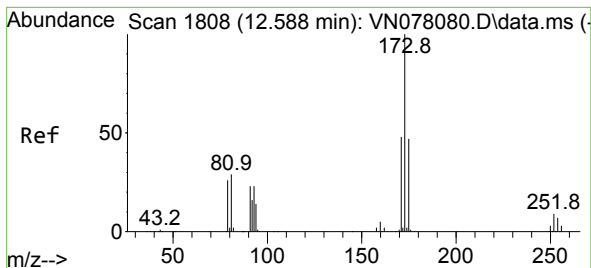
Tgt Ion: 95 Resp: 301537
Ion Ratio Lower Upper
95 100
174 75.3 0.0 143.8
176 72.3 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN078255.D
Acq: 16 Jun 2023 13:14

Tgt Ion: 117 Resp: 734421
Ion Ratio Lower Upper
117 100
82 56.2 44.0 66.0
119 31.8 25.6 38.4





#71

Bromoform

Concen: 0.927 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.265 min

Lab File: VN078255.D

Acq: 16 Jun 2023 13:14

Instrument :

MSVOA_N

ClientSampleId :

FSND-MW-EVAL-3D-06122023DL

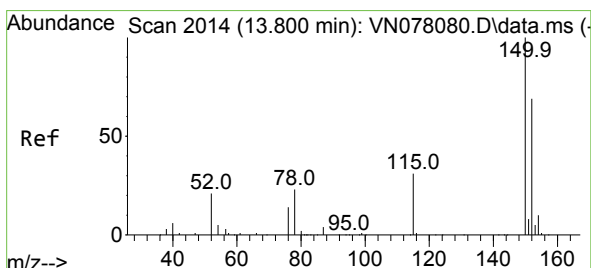
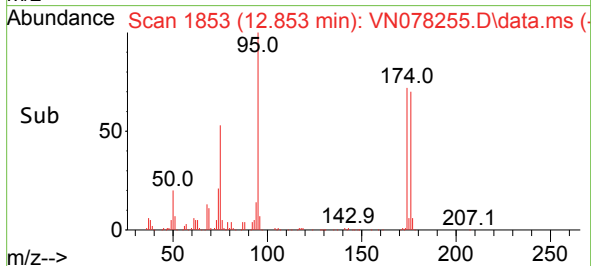
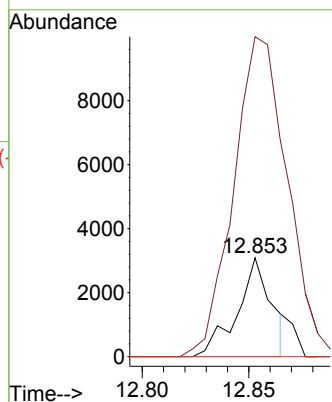
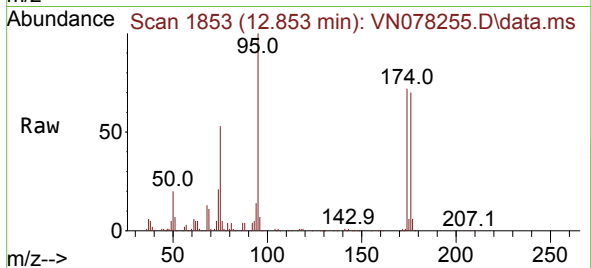
Tgt Ion:173 Resp: 3462

Ion Ratio Lower Upper

173 100

175 425.8 24.3 73.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. 0.000 min

Lab File: VN078255.D

Acq: 16 Jun 2023 13:14

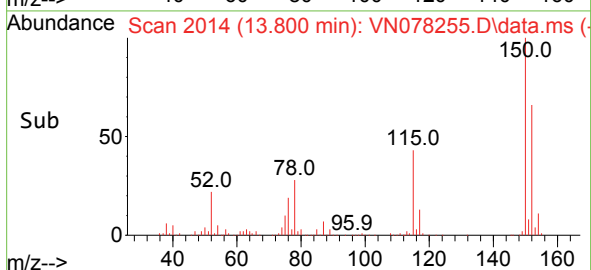
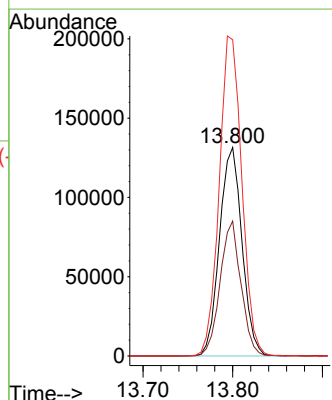
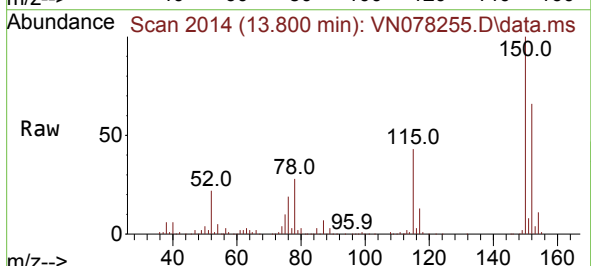
Tgt Ion:152 Resp: 228796

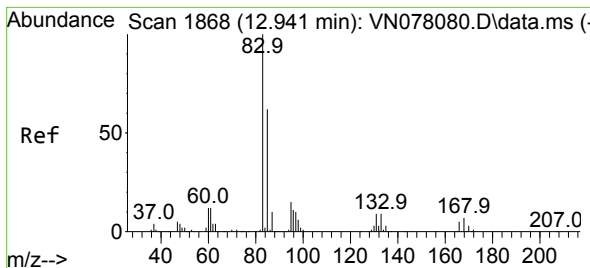
Ion Ratio Lower Upper

152 100

115 60.2 32.3 96.8

150 154.2 0.0 355.8





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.941 min Scan# 1854

Delta R.T. 0.000 min

Lab File: VN078255.D

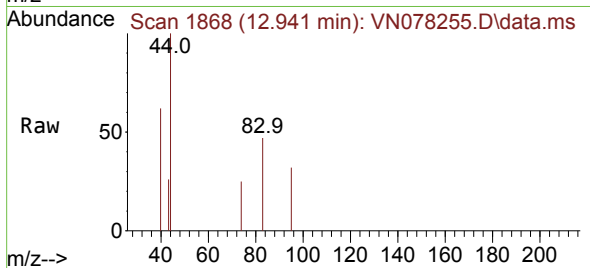
Acq: 16 Jun 2023 13:14

Instrument :

MSVOA_N

ClientSampleId :

FSND-MW-EVAL-3D-06122023DL



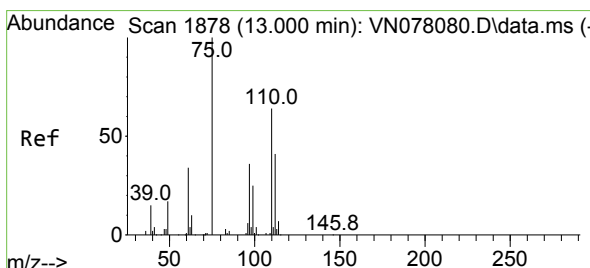
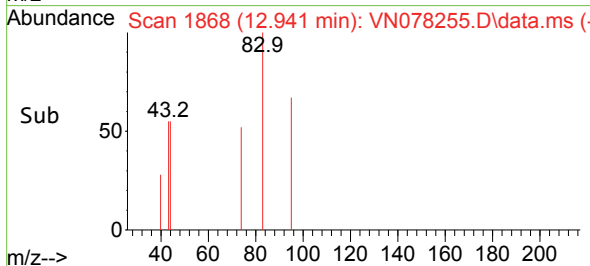
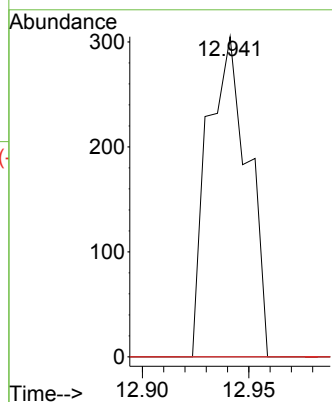
Tgt Ion: 83 Resp: 402

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 0.0 31.9 95.7#



#76

1,2,3-Trichloropropane

Concen: 30.636 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. -0.141 min

Lab File: VN078255.D

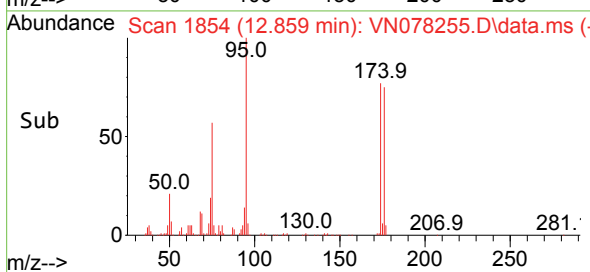
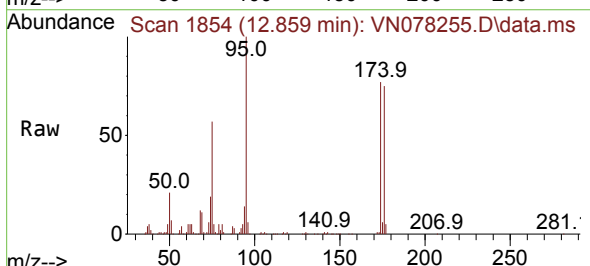
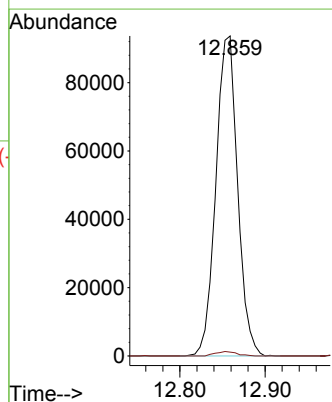
Acq: 16 Jun 2023 13:14

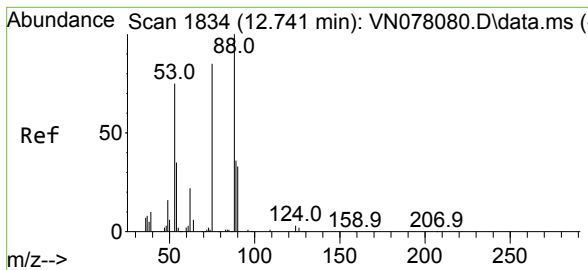
Tgt Ion: 75 Resp: 165706

Ion Ratio Lower Upper

75 100

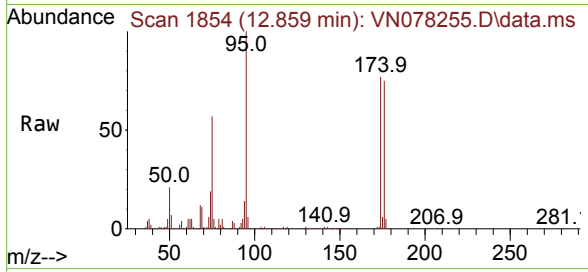
77 1.4 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 94.124 ug/l
 RT: 12.859 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN078255.D
 Acq: 16 Jun 2023 13:14

Instrument :
 MSVOA_N
 ClientSampleId :
 FSND-MW-EVAL-3D-06122023DL



Tgt Ion: 75 Resp: 165706
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 38.8 58.2#

