

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
 Data File : VN084894.D
 Acq On : 17 Nov 2024 14:48
 Operator : JC\MD
 Sample : P4845-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

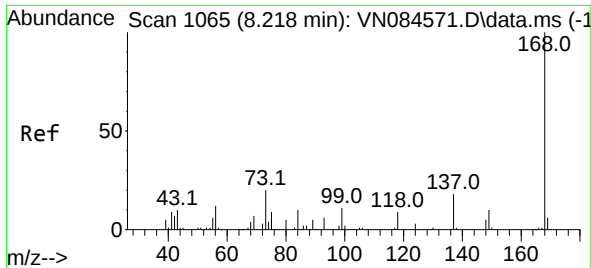
Instrument :
 MSVOA_N
 ClientSampleId :
 FSND-MW-22R-20241112

Quant Time: Nov 18 00:20:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	158683	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	272472	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	243525	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	111105	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	114138	49.800	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.600%		
35) Dibromofluoromethane	8.165	113	91315	49.512	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.020%		
50) Toluene-d8	10.565	98	314018	46.221	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.440%		
62) 4-Bromofluorobenzene	12.847	95	118108	46.516	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	93.040%		
Target Compounds						Qvalue
3) Chloromethane	2.354	50	744	Below Cal		97
5) Bromomethane	2.901	94	335	0.322 ug/l		92
6) Chloroethane	3.142	64	105	Below Cal	#	45
16) Acetone	4.453	43	1148	Below Cal	#	44
18) Methyl Acetate	5.024	43	1210	Below Cal	#	70
31) Cyclohexane	8.218	56	3399	1.074 ug/l	#	1
36) 1,1-Dichloropropene	8.212	75	12761	4.989 ug/l	#	51
38) Carbon Tetrachloride	8.224	117	17326	6.060 ug/l	#	16
39) Methylcyclohexane	9.353	83	3705	1.424 ug/l	#	1
43) Isopropyl Acetate	8.665	43	2794	Below Cal	#	56
44) Trichloroethene	9.347	130	278094	146.795 ug/l		100
45) 1,2-Dichloropropane	9.347	63	628	0.326 ug/l	#	1
51) 4-Methyl-2-Pentanone	10.565	43	1369	0.619 ug/l	#	1
60) Dibromochloromethane	11.100	129	7386	3.581 ug/l	#	11
64) Tetrachloroethene	11.100	164	7264	4.484 ug/l	#	90
71) Bromoform	12.841	173	498	0.349 ug/l	#	1
76) 1,2,3-Trichloropropane	12.847	75	62292	28.048 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.847	75	62292	66.540 ug/l	#	11
88) 1,4-Dichlorobenzene	13.806	146	79	Below Cal	#	1

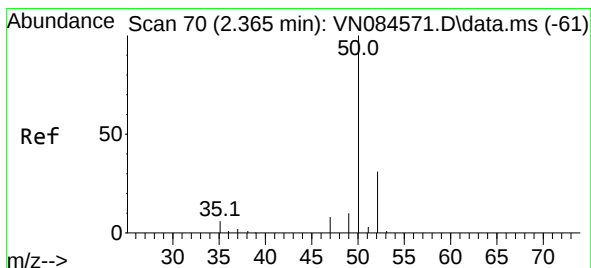
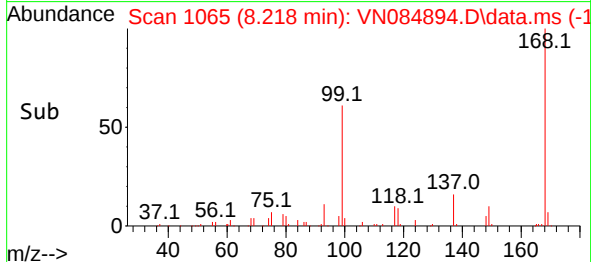
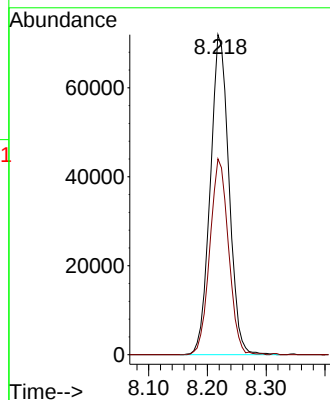
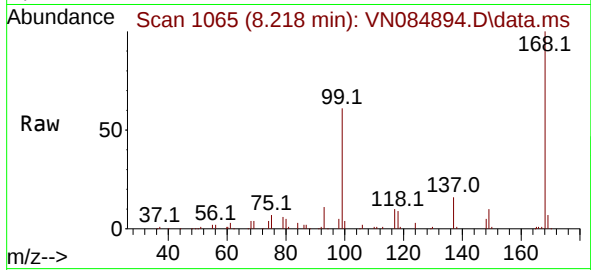
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN084894.D
Acq: 17 Nov 2024 14:48

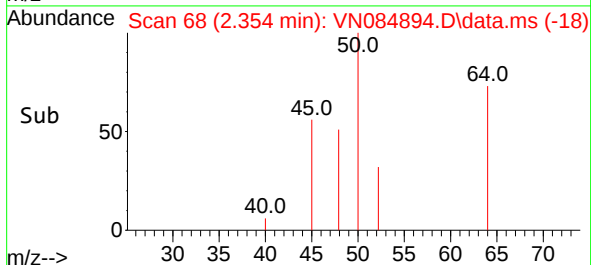
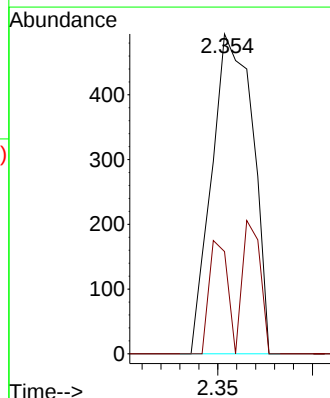
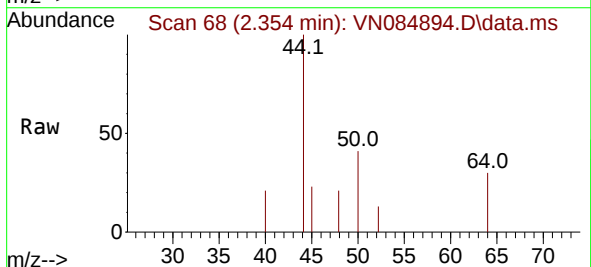
Instrument :
MSVOA_N
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FSND-MW-22R-20241112

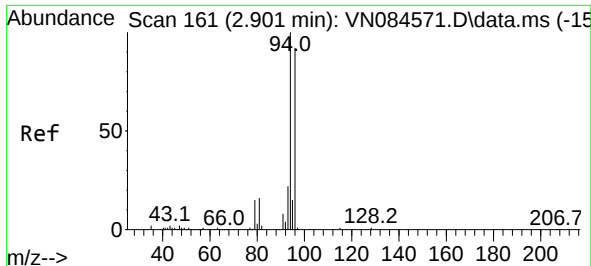
Tgt Ion:168 Resp: 158683
Ion Ratio Lower Upper
168 100
99 61.2 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.354 min Scan# 68
Delta R.T. -0.005 min
Lab File: VN084894.D
Acq: 17 Nov 2024 14:48

Tgt Ion: 50 Resp: 744
Ion Ratio Lower Upper
50 100
52 32.0 26.8 40.2

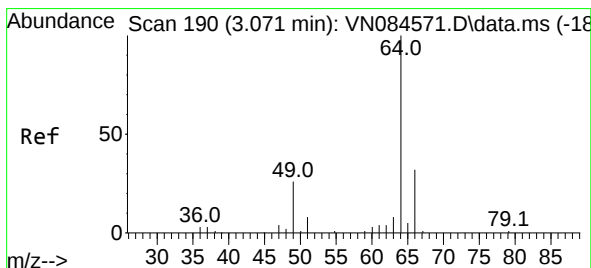
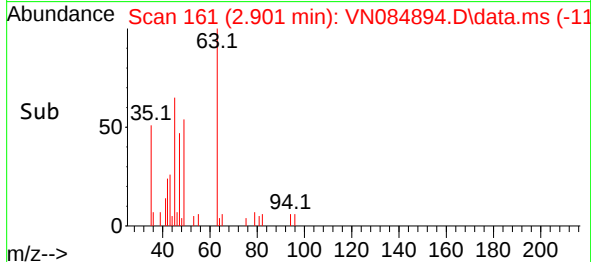
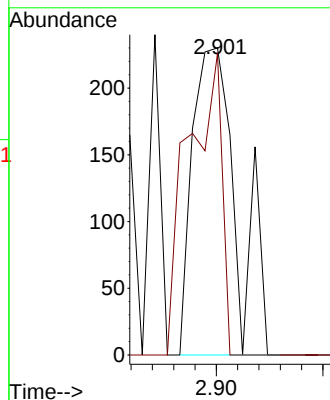
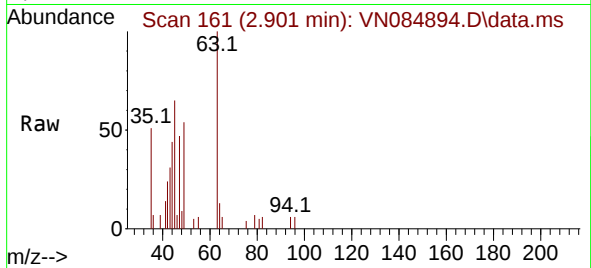




#5
Bromomethane
Concen: 0.322 ug/l
RT: 2.901 min Scan# 11
Delta R.T. -0.052 min
Lab File: VN084894.D
Acq: 17 Nov 2024 14:48

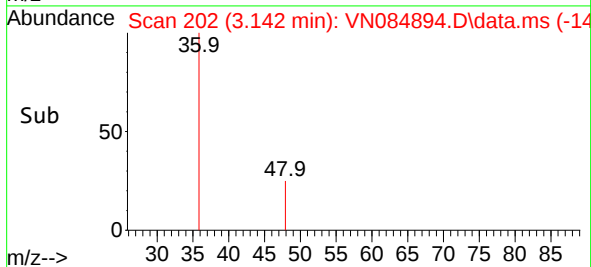
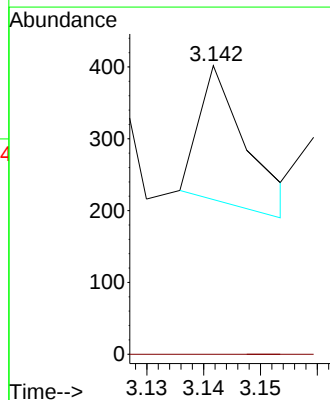
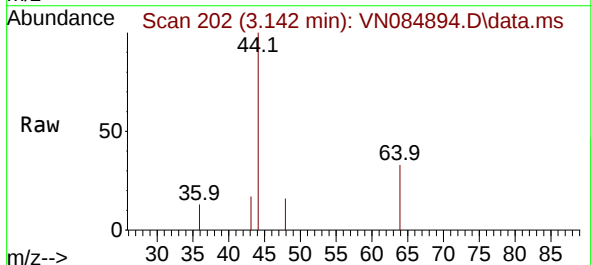
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-22R-20241112

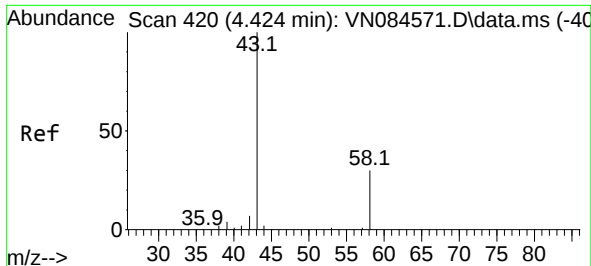
Tgt Ion: 94 Resp: 335
Ion Ratio Lower Upper
94 100
96 98.3 72.9 109.3



#6
Chloroethane
Concen: Below Cal
RT: 3.142 min Scan# 202
Delta R.T. 0.024 min
Lab File: VN084894.D
Acq: 17 Nov 2024 14:48

Tgt Ion: 64 Resp: 105
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#





#16

Acetone

Concen: Below Cal

RT: 4.453 min Scan# 41

Delta R.T. 0.029 min

Lab File: VN084894.D

Acq: 17 Nov 2024 14:48

Instrument :

MSVOA_N

ClientSampleId :

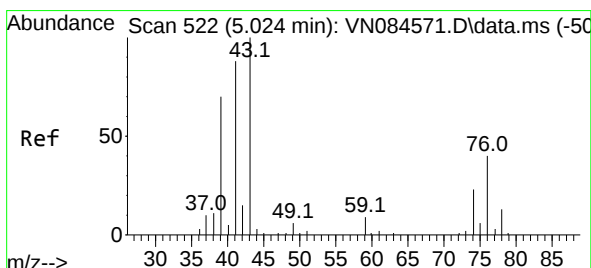
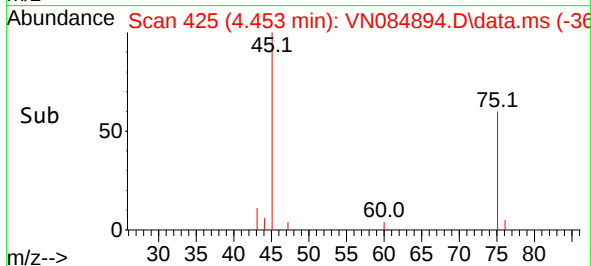
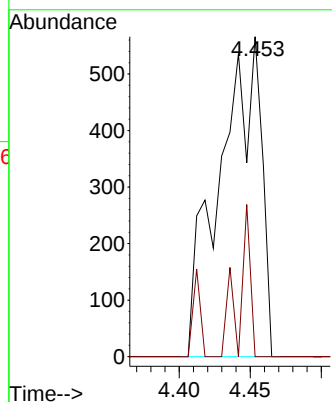
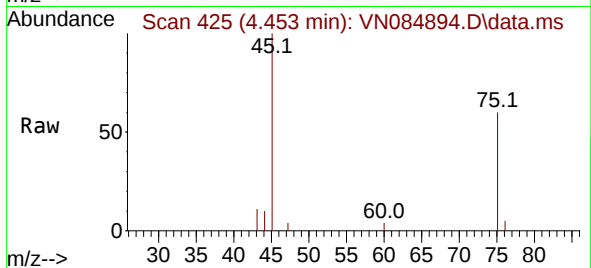
FSND-MW-22R-20241112

Tgt Ion: 43 Resp: 1148

Ion Ratio Lower Upper

43 100

58 0.0 24.4 36.6#



#18

Methyl Acetate

Concen: Below Cal

RT: 5.024 min Scan# 522

Delta R.T. 0.006 min

Lab File: VN084894.D

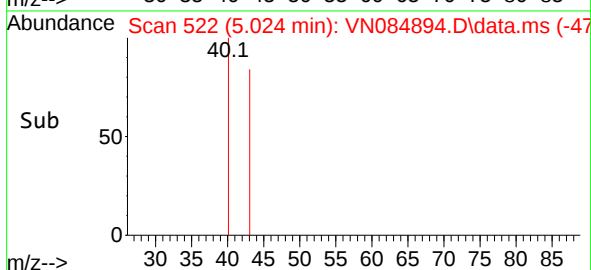
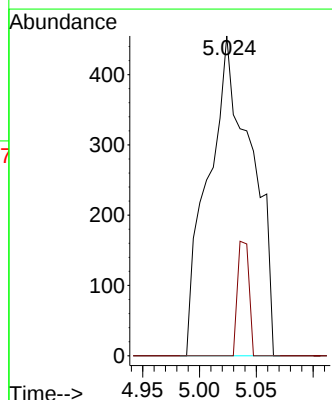
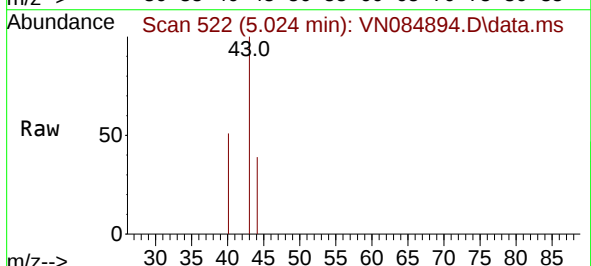
Acq: 17 Nov 2024 14:48

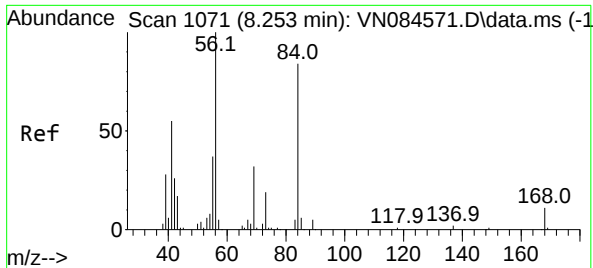
Tgt Ion: 43 Resp: 1210

Ion Ratio Lower Upper

43 100

74 9.4 19.2 28.8#

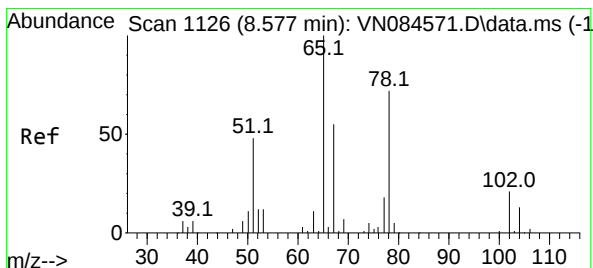
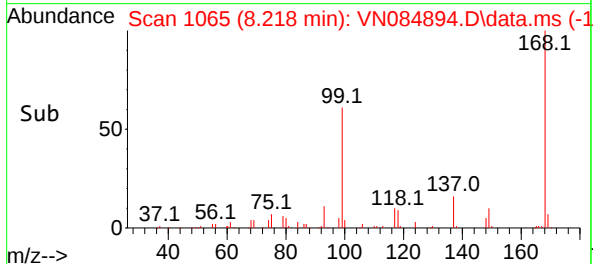
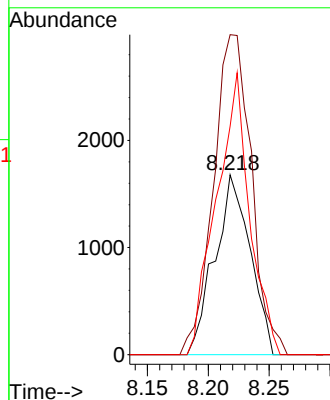
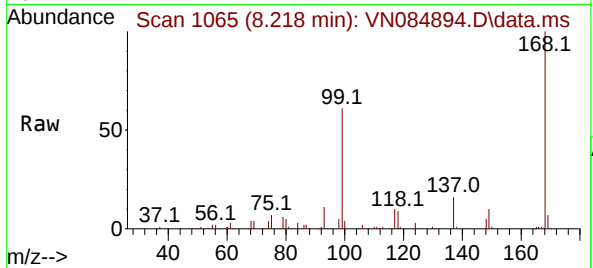




#31
Cyclohexane
Concen: 1.074 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN084894.D
Acq: 17 Nov 2024 14:48

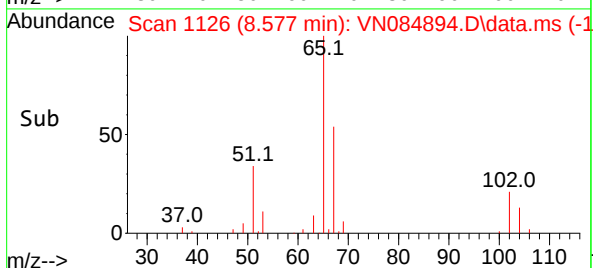
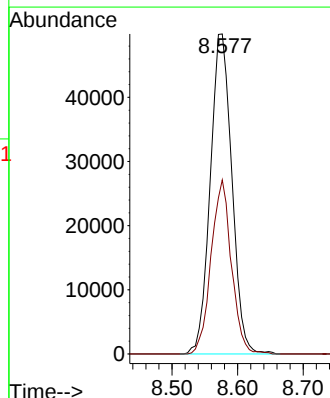
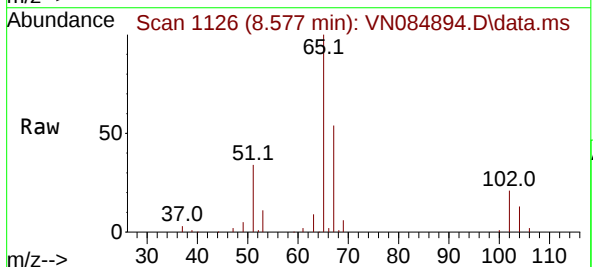
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-22R-20241112

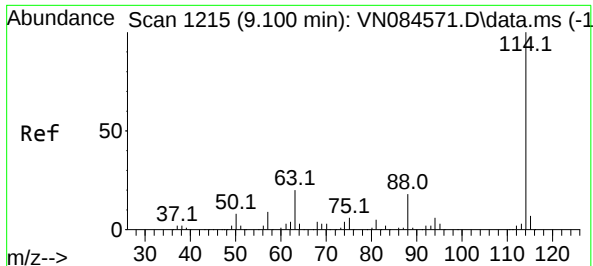
Tgt Ion: 56 Resp: 3399
Ion Ratio Lower Upper
56 100
69 178.0 23.8 35.6#
84 127.1 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 49.800 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084894.D
Acq: 17 Nov 2024 14:48

Tgt Ion: 65 Resp: 114138
Ion Ratio Lower Upper
65 100
67 51.1 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN084894.D

Acq: 17 Nov 2024 14:48

Instrument :

MSVOA_N

ClientSampleId :

FSND-MW-22R-20241112

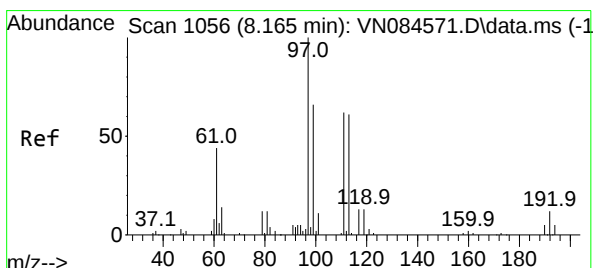
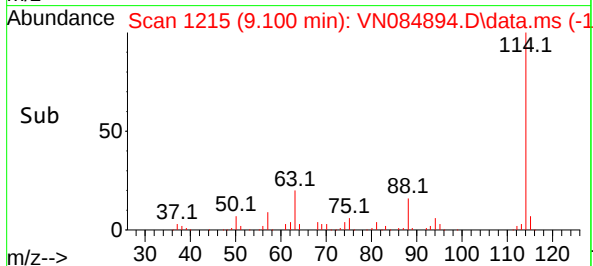
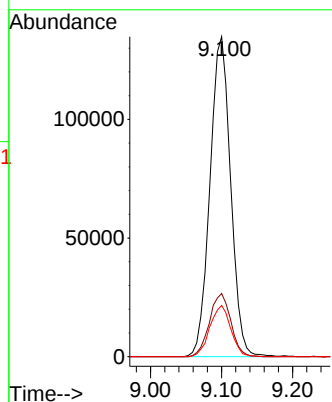
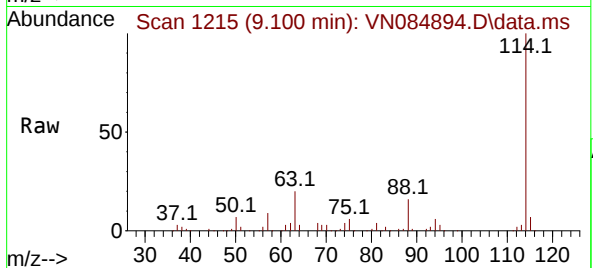
Tgt Ion:114 Resp: 272472

Ion Ratio Lower Upper

114 100

63 19.8 0.0 43.8

88 16.0 0.0 31.6



#35

Dibromofluoromethane

Concen: 49.512 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN084894.D

Acq: 17 Nov 2024 14:48

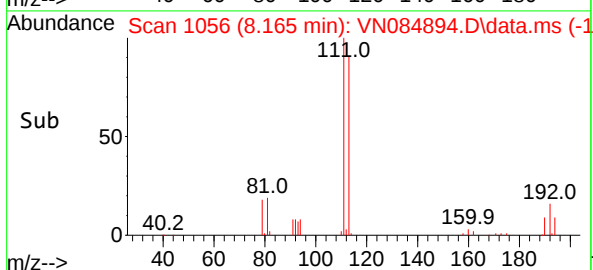
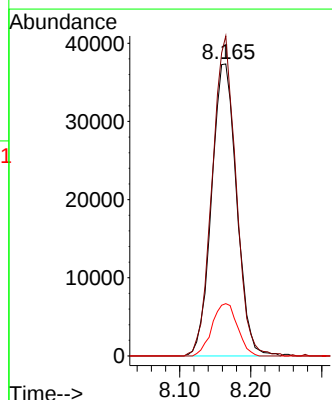
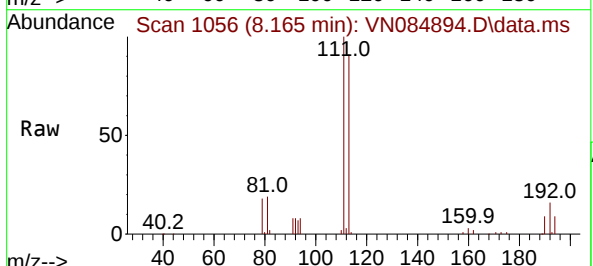
Tgt Ion:113 Resp: 91315

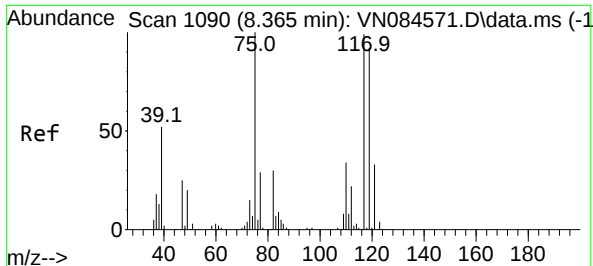
Ion Ratio Lower Upper

113 100

111 104.3 83.3 124.9

192 18.2 13.5 20.3





#36

1,1-Dichloropropene

Concen: 4.989 ug/l

RT: 8.212 min Scan# 1064

Delta R.T. -0.159 min

Lab File: VN084894.D

Acq: 17 Nov 2024 14:48

Instrument :

MSVOA_N

ClientSampleId :

FSND-MW-22R-20241112

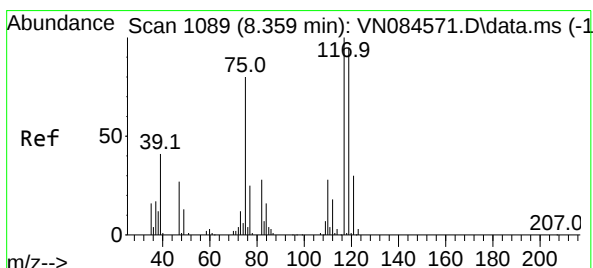
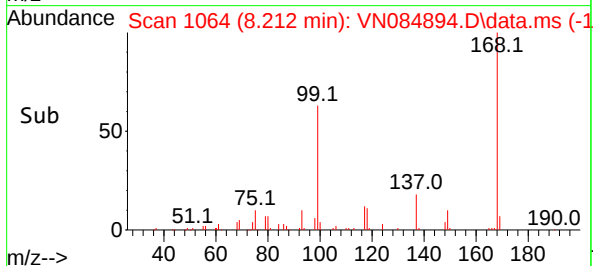
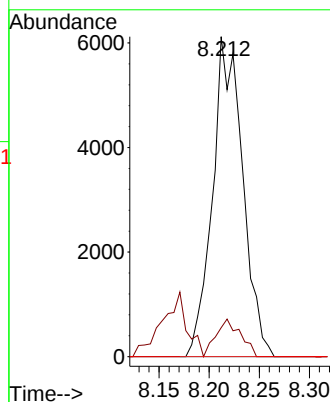
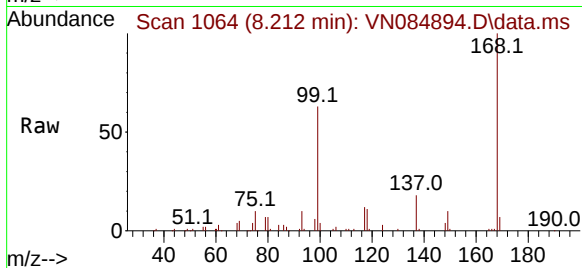
Tgt Ion: 75 Resp: 12761

Ion Ratio Lower Upper

75 100

110 9.6 16.9 50.7#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.060 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN084894.D

Acq: 17 Nov 2024 14:48

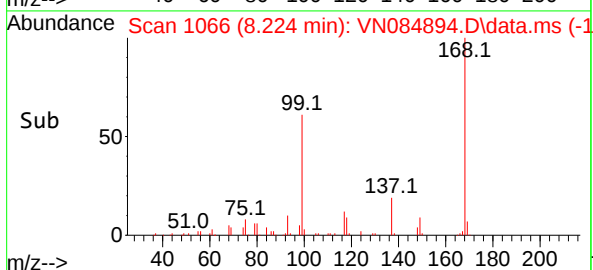
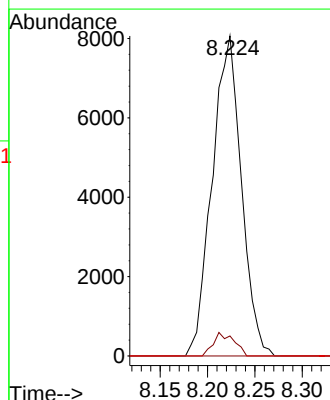
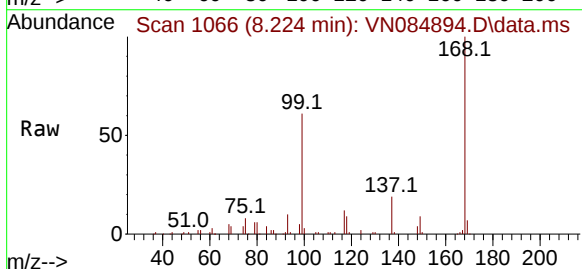
Tgt Ion: 117 Resp: 17326

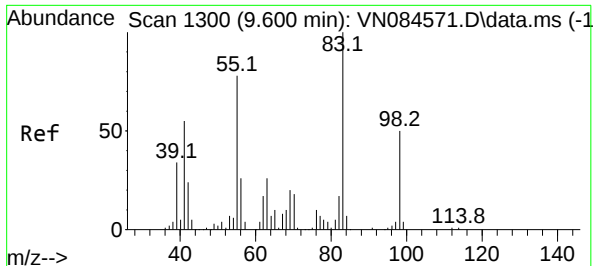
Ion Ratio Lower Upper

117 100

119 6.3 78.7 118.1#

121 0.0 24.4 36.6#





#39

Methylcyclohexane

Concen: 1.424 ug/l

RT: 9.353 min Scan# 11258

Delta R.T. -0.247 min

Lab File: VN084894.D

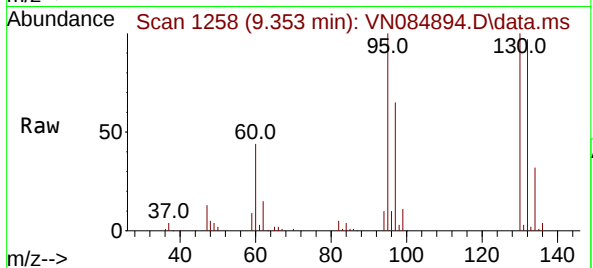
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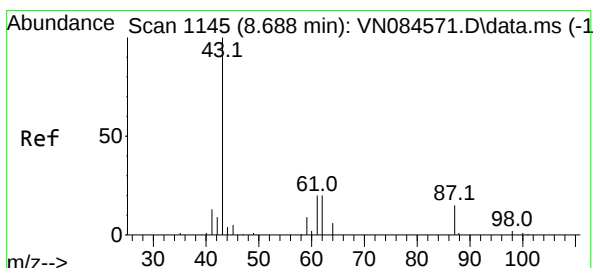
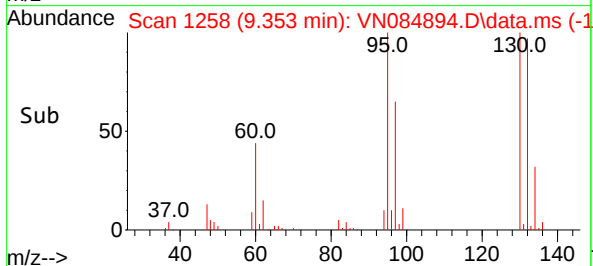
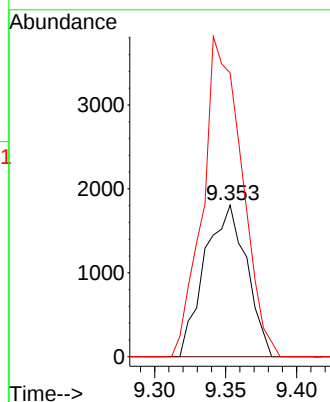
Tgt Ion: 83 Resp: 3705

Ion Ratio Lower Upper

83 100

55 0.0 62.8 94.2#

98 187.2 38.8 58.2#



#43

Isopropyl Acetate

Concen: Below Cal

RT: 8.665 min Scan# 1141

Delta R.T. -0.023 min

Lab File: VN084894.D

Acq: 17 Nov 2024 14:48

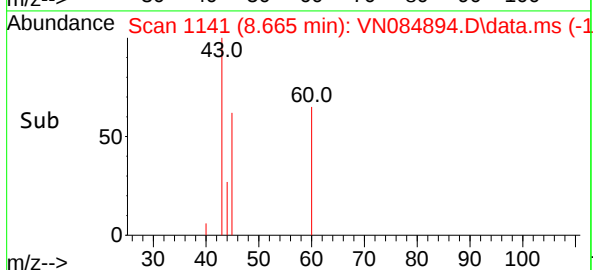
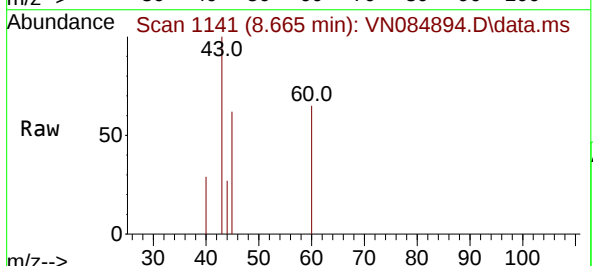
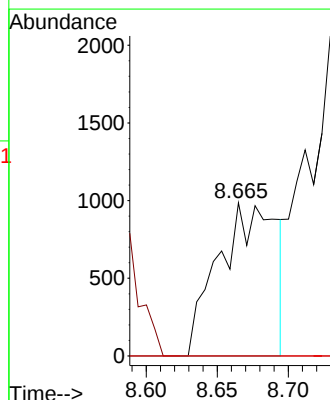
Tgt Ion: 43 Resp: 2794

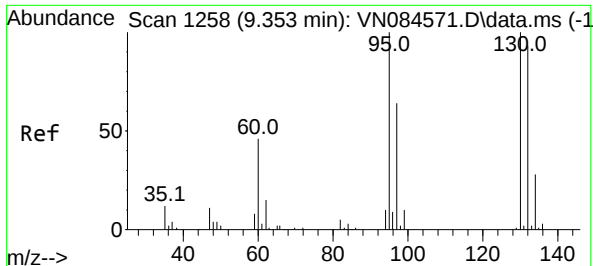
Ion Ratio Lower Upper

43 100

61 0.0 20.4 30.6#

87 0.0 10.3 15.5#

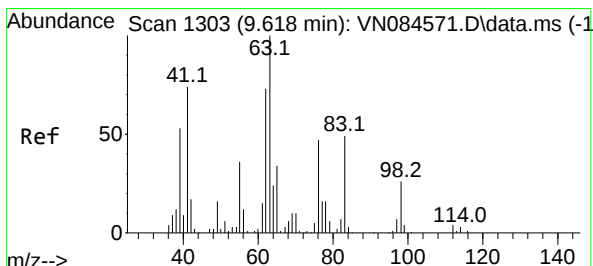
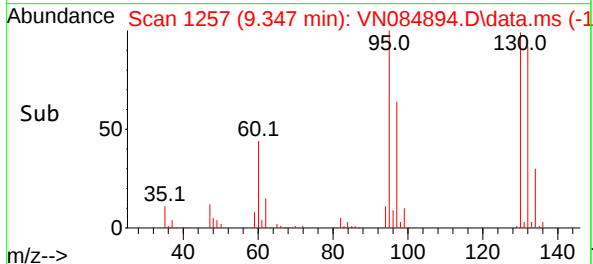
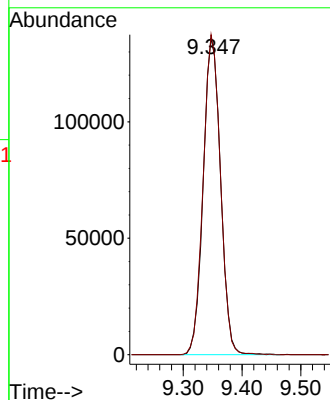
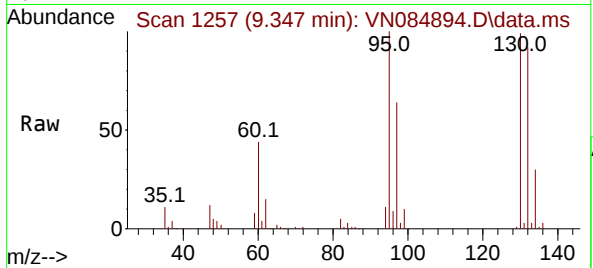




#44
Trichloroethene
Concen: 146.795 ug/l
RT: 9.347 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084894.D
Acq: 17 Nov 2024 14:48

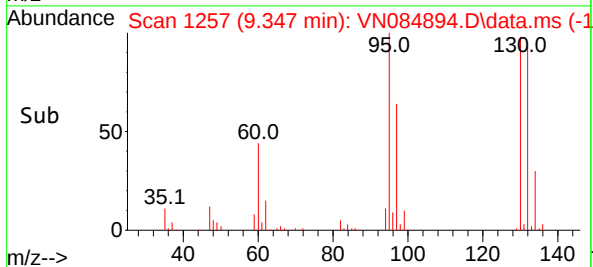
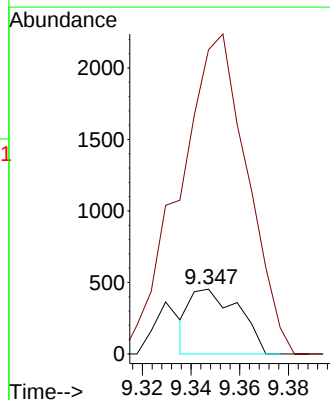
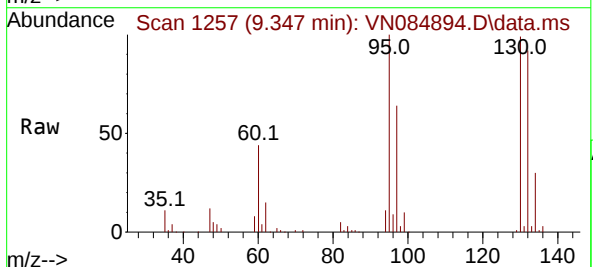
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-22R-20241112

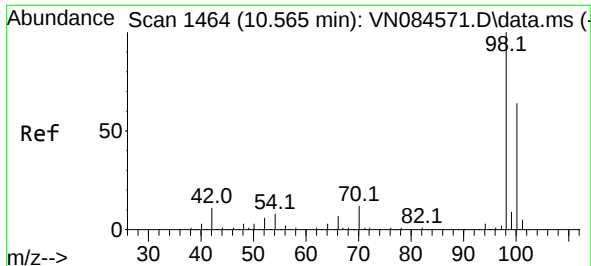
Tgt Ion:130 Resp: 278094
Ion Ratio Lower Upper
130 100
95 101.1 0.0 203.0



#45
1,2-Dichloropropane
Concen: 0.326 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.271 min
Lab File: VN084894.D
Acq: 17 Nov 2024 14:48

Tgt Ion: 63 Resp: 628
Ion Ratio Lower Upper
63 100
65 428.9 24.6 37.0#

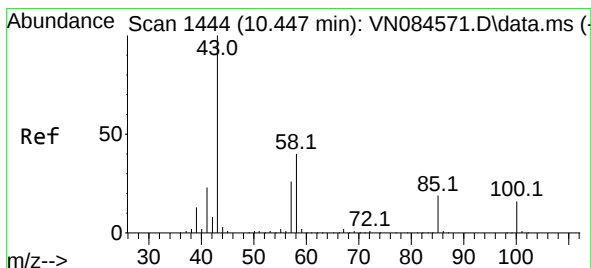
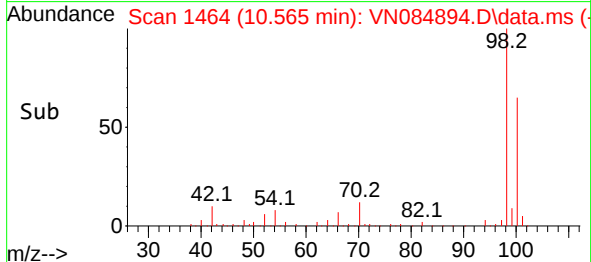
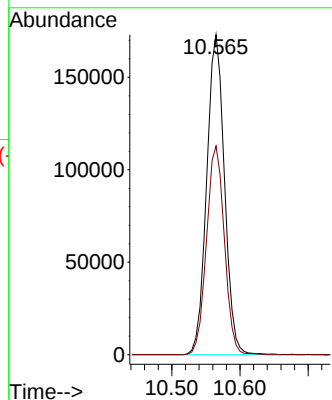
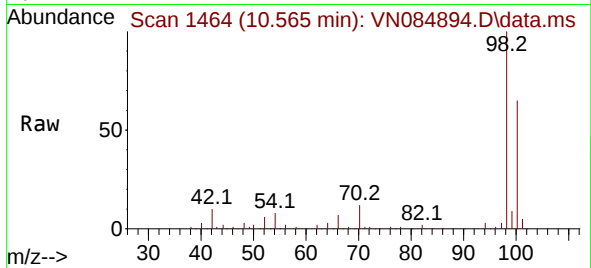




#50
Toluene-d8
Concen: 46.221 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084894.D
Acq: 17 Nov 2024 14:48

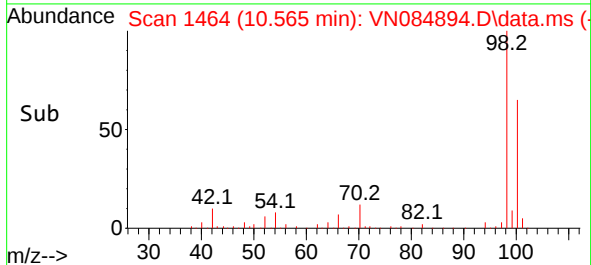
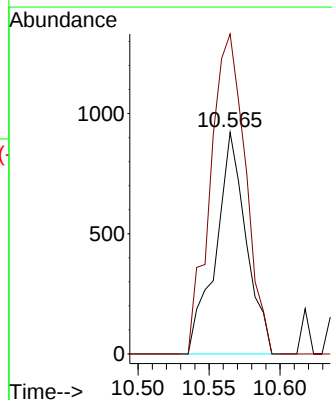
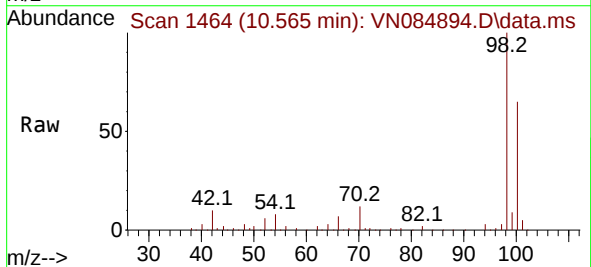
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-22R-20241112

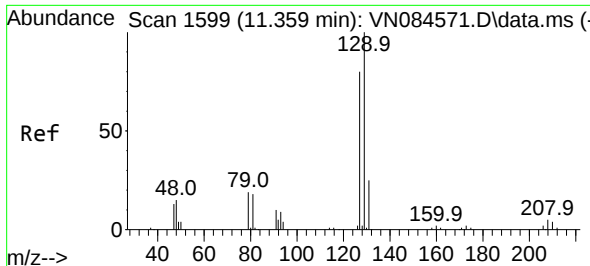
Tgt Ion: 98 Resp: 314018
Ion Ratio Lower Upper
98 100
100 65.4 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 0.619 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.124 min
Lab File: VN084894.D
Acq: 17 Nov 2024 14:48

Tgt Ion: 43 Resp: 1369
Ion Ratio Lower Upper
43 100
58 167.3 31.6 47.4#

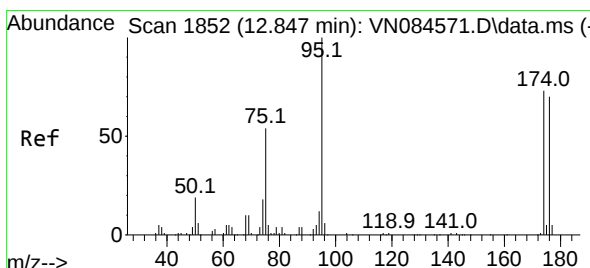
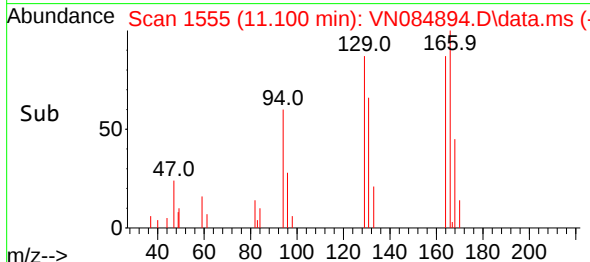
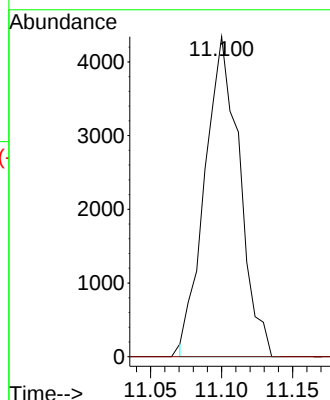
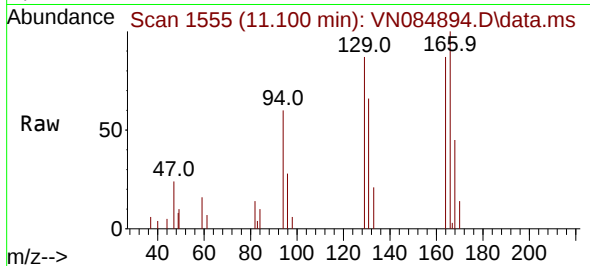




#60
Dibromochloromethane
Concen: 3.581 ug/l
RT: 11.100 min Scan# 11
Delta R.T. -0.259 min
Lab File: VN084894.D
Acq: 17 Nov 2024 14:48

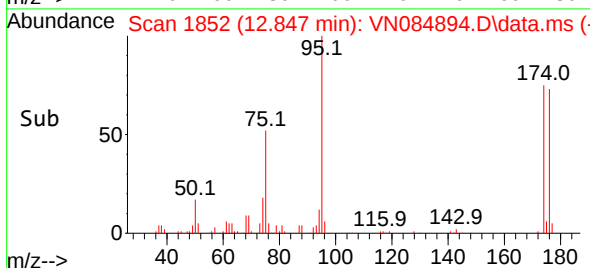
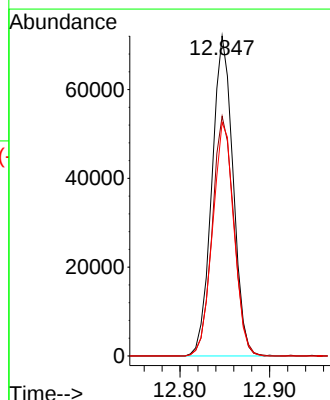
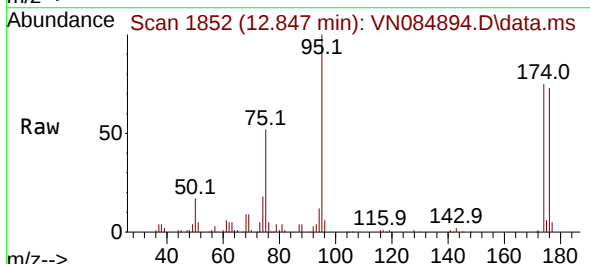
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-22R-20241112

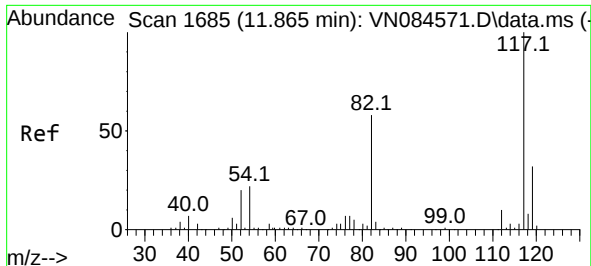
Tgt Ion:129 Resp: 7386
Ion Ratio Lower Upper
129 100
127 0.0 38.3 114.9#



#62
4-Bromofluorobenzene
Concen: 46.516 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084894.D
Acq: 17 Nov 2024 14:48

Tgt Ion: 95 Resp: 118108
Ion Ratio Lower Upper
95 100
174 76.3 0.0 145.2
176 73.6 0.0 140.0

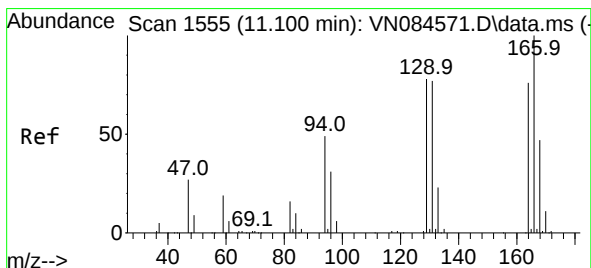
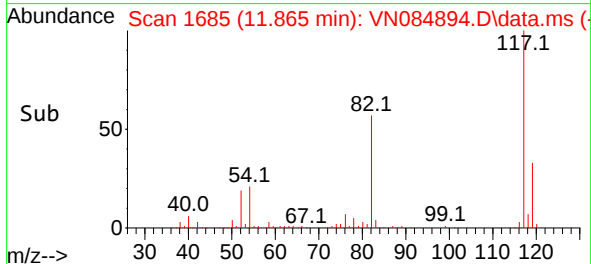
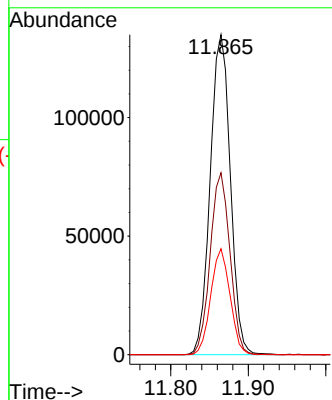
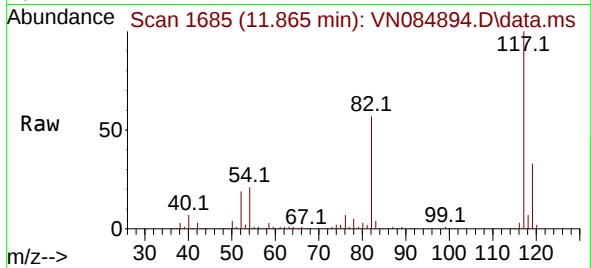




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN084894.D
Acq: 17 Nov 2024 14:48

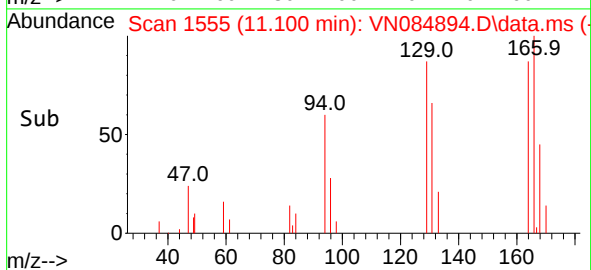
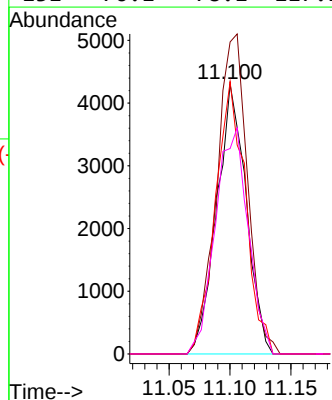
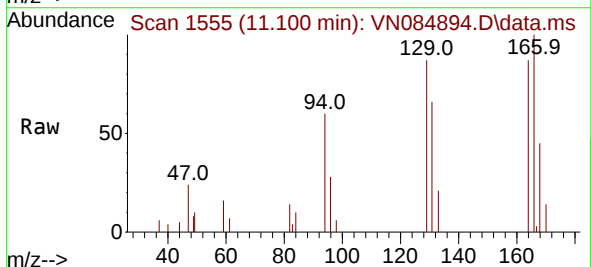
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-22R-20241112

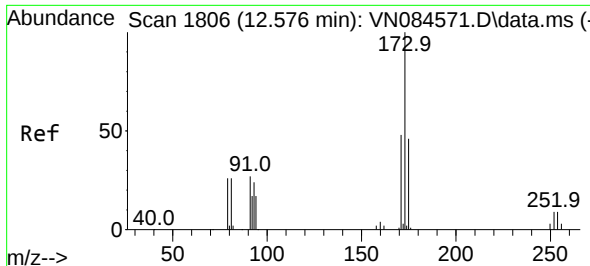
Tgt Ion:117 Resp: 243525
Ion Ratio Lower Upper
117 100
82 56.8 47.2 70.8
119 33.1 25.4 38.0



#64
Tetrachloroethene
Concen: 4.484 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084894.D
Acq: 17 Nov 2024 14:48

Tgt Ion:164 Resp: 7264
Ion Ratio Lower Upper
164 100
166 115.6 101.0 151.4
129 100.9 80.8 121.2
131 76.1 78.1 117.1#

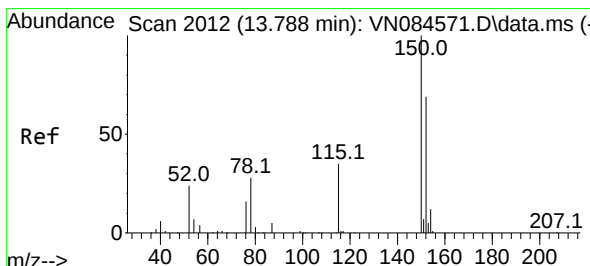
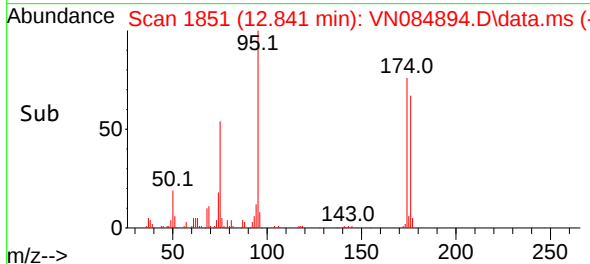
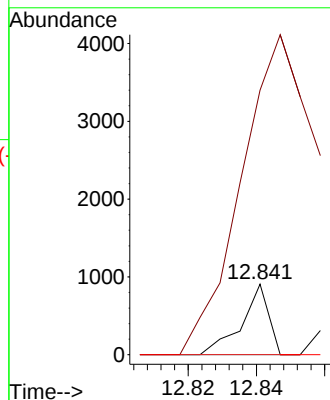
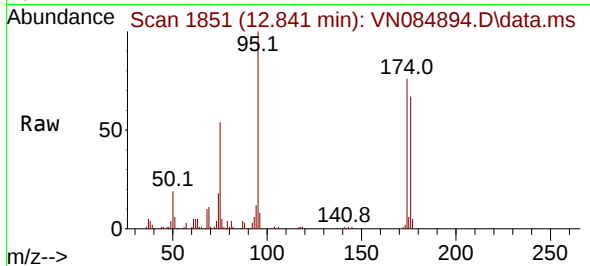




#71
Bromoform
Concen: 0.349 ug/l
RT: 12.841 min Scan# 1806
Delta R.T. 0.265 min
Lab File: VN084894.D
Acq: 17 Nov 2024 14:48

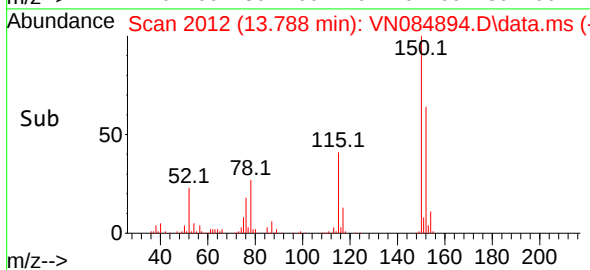
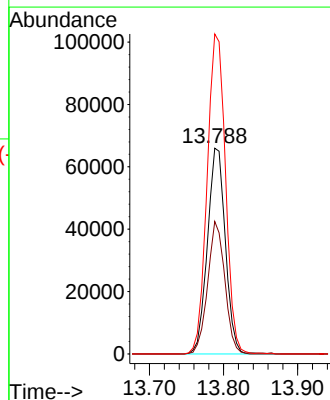
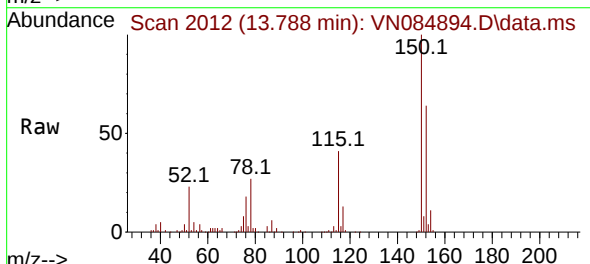
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-22R-20241112

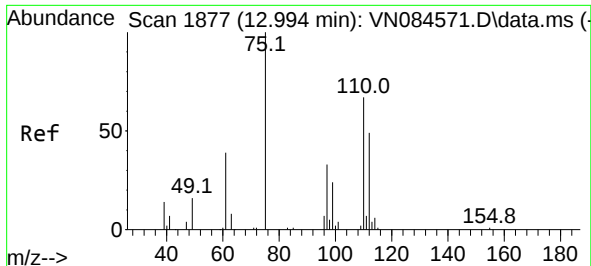
Tgt Ion:173 Resp: 498
Ion Ratio Lower Upper
173 100
175 1023.5 23.5 70.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VN084894.D
Acq: 17 Nov 2024 14:48

Tgt Ion:152 Resp: 111105
Ion Ratio Lower Upper
152 100
115 61.4 31.3 93.9
150 159.0 0.0 349.8

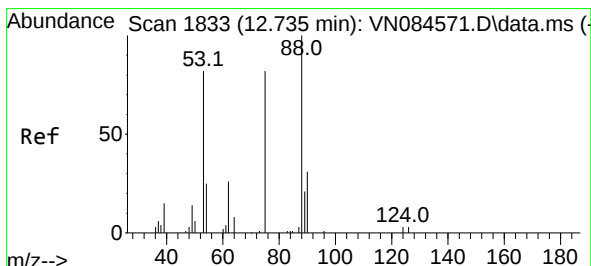
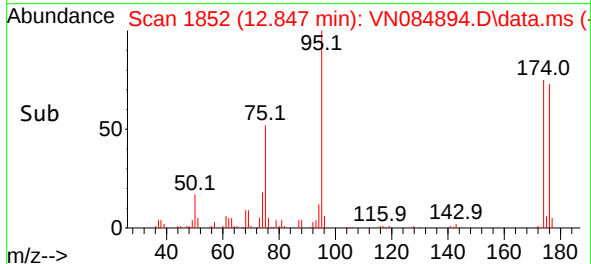
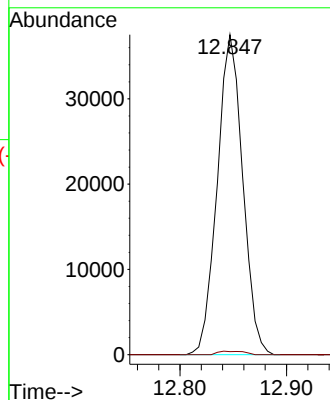
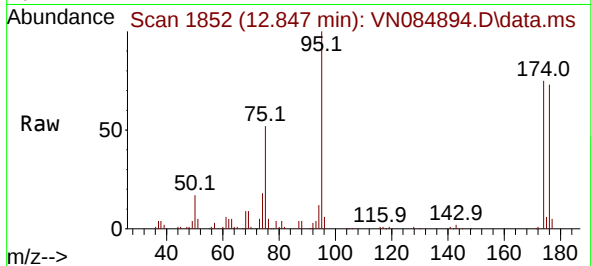




#76
1,2,3-Trichloropropane
Concen: 28.048 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084894.D
Acq: 17 Nov 2024 14:48

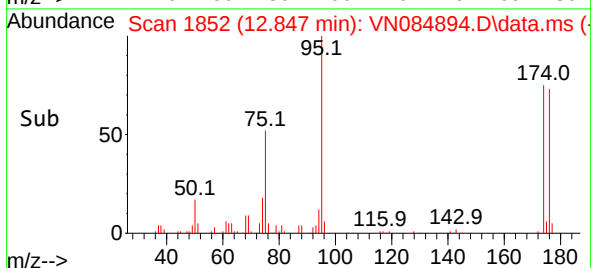
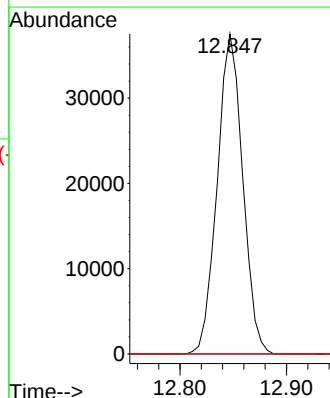
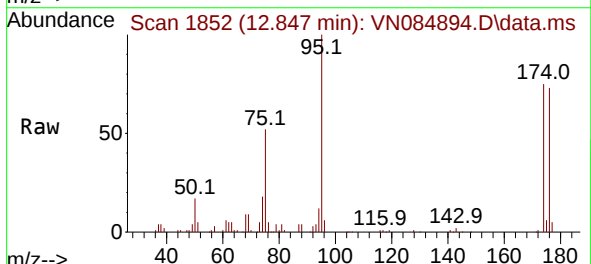
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-22R-20241112

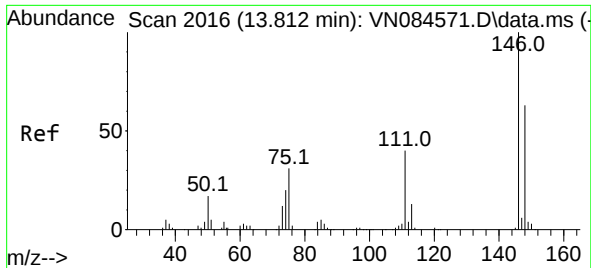
Tgt Ion: 75 Resp: 62292
Ion Ratio Lower Upper
75 100
77 1.1 96.9 290.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.540 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084894.D
Acq: 17 Nov 2024 14:48

Tgt Ion: 75 Resp: 62292
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#





#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 13.806 min Scan# 20

Delta R.T. -0.006 min

Lab File: VN084894.D

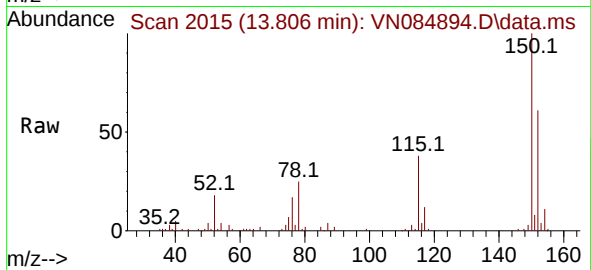
Acq: 17 Nov 2024 14:48

Instrument :

MSVOA_N

ClientSampleId :

FSND-MW-22R-20241112



Tgt Ion:146 Resp: 79

Ion Ratio Lower Upper

146 100

111 1838.0 21.2 63.6#

148 626.6 31.9 95.9#

