

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061423\
 Data File : VN078215.D
 Acq On : 14 Jun 2023 18:57
 Operator : JC\MD
 Sample : 03231-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FSND-MW-18-06132023

Quant Time: Jun 15 02:48:12 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)

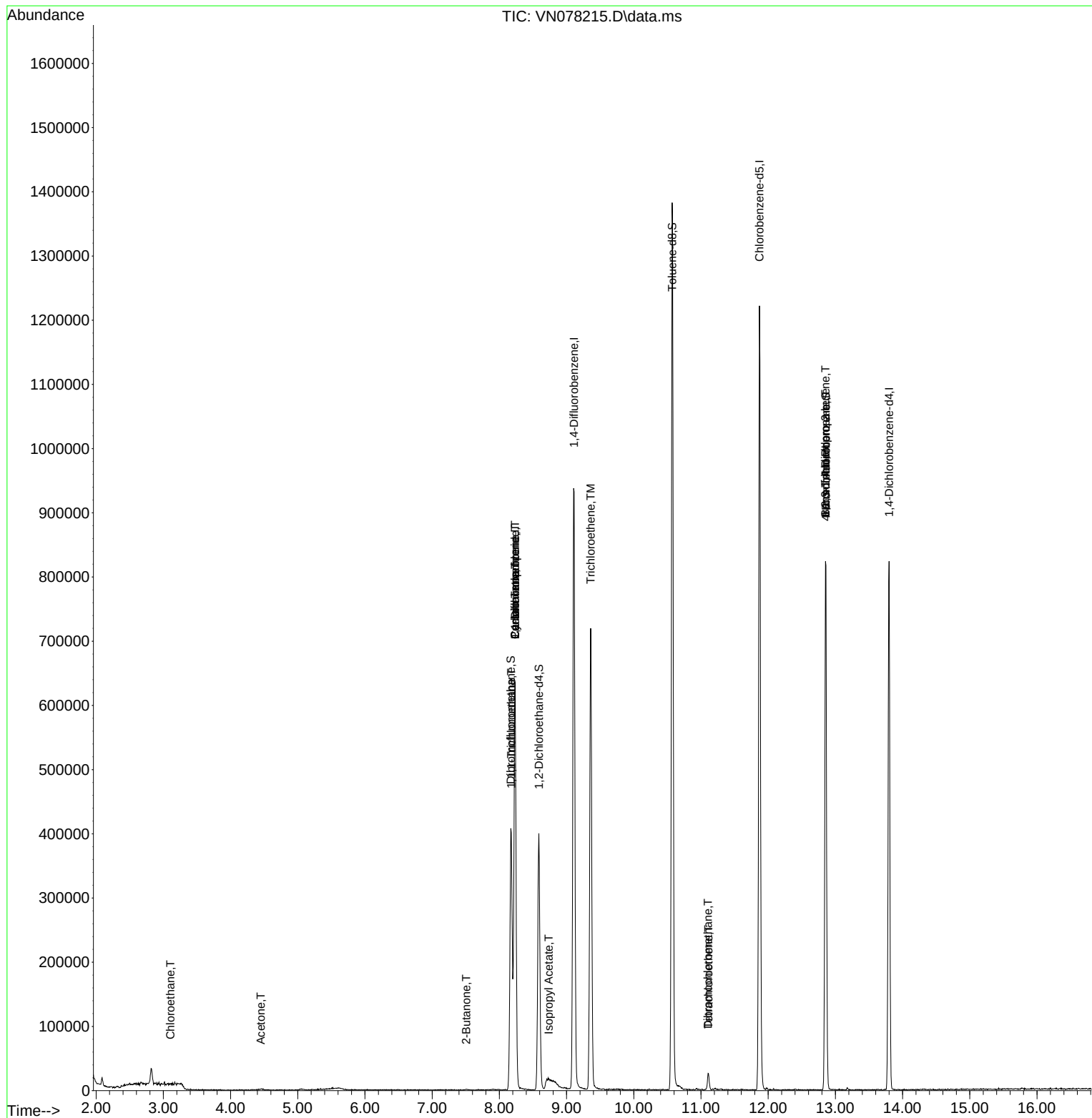
Internal Standards						
1) Pentafluorobenzene	8.236	168	451576	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	845274	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	733486	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	227811	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	325681	54.092	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.180%			
35) Dibromofluoromethane	8.171	113	289217	54.114	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.220%			
50) Toluene-d8	10.571	98	994198	48.253	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.500%			
62) 4-Bromofluorobenzene	12.859	95	301798	47.118	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 94.240%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	1103	Below Cal	#	83
6) Chloroethane	3.106	64	1153	0.253	ug/l #	43
16) Acetone	4.448	43	1222	0.705	ug/l #	40
25) 2-Butanone	7.506	43	1772	0.665	ug/l #	37
31) Cyclohexane	8.236	56	11002	1.424	ug/l #	44
32) 1,1,1-Trichloroethane	8.177	97	10037	1.137	ug/l #	50
36) 1,1-Dichloropropene	8.236	75	38078	4.967	ug/l #	47
38) Carbon Tetrachloride	8.236	117	52951	6.541	ug/l #	16
43) Isopropyl Acetate	8.735	43	20812	1.817	ug/l #	49
44) Trichloroethene	9.359	130	258578	42.782	ug/l	99
60) Dibromochloromethane	11.106	129	5609	0.938	ug/l #	11
64) Tetrachloroethene	11.112	164	5009	1.024	ug/l	95
71) Bromoform	12.853	173	1944	0.521	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.841	83	326	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.853	75	157376	29.222	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	157376	89.779	ug/l #	15

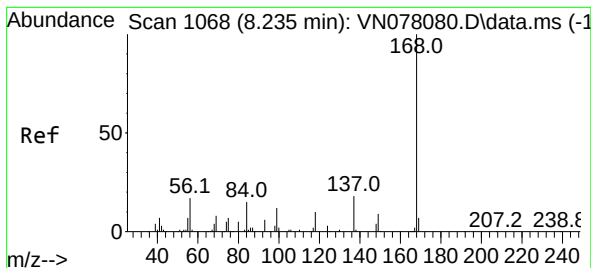
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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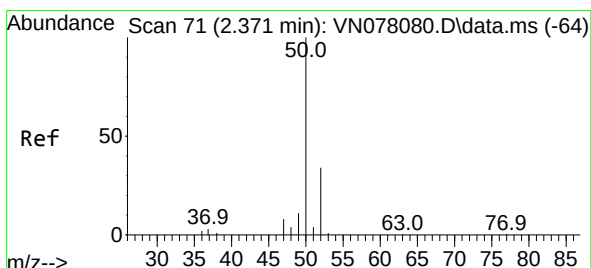
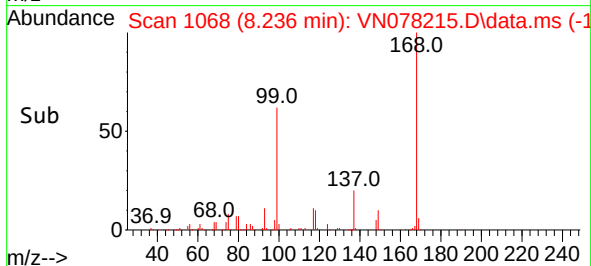
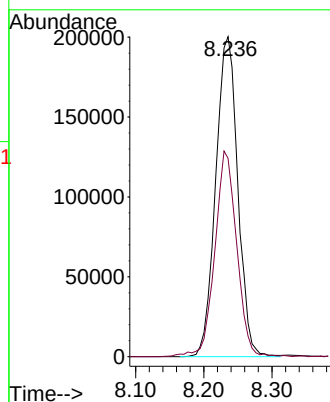
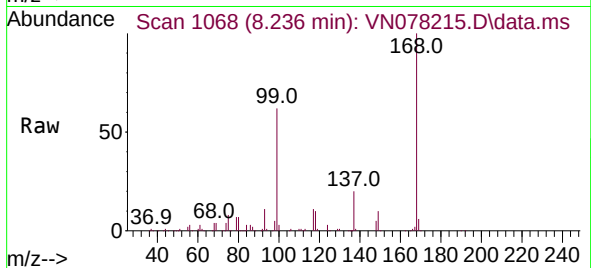




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 11
Delta R.T. 0.001 min
Lab File: VN078215.D
Acq: 14 Jun 2023 18:57

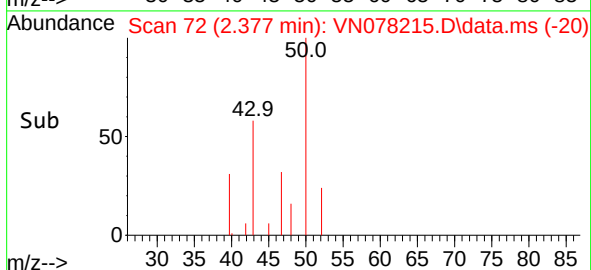
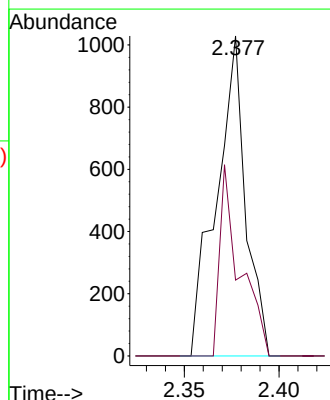
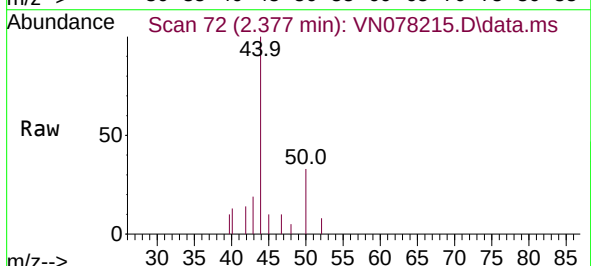
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-18-06132023

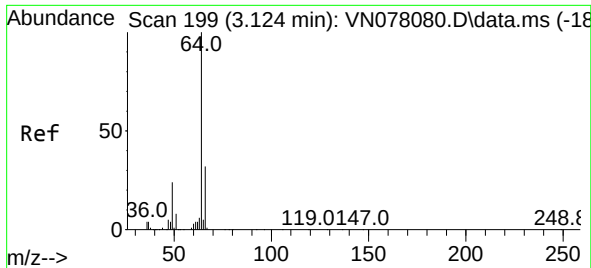
Tgt Ion:168 Resp: 451576
Ion Ratio Lower Upper
168 100
99 61.7 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.377 min Scan# 72
Delta R.T. 0.006 min
Lab File: VN078215.D
Acq: 14 Jun 2023 18:57

Tgt Ion: 50 Resp: 1103
Ion Ratio Lower Upper
50 100
52 23.7 26.5 39.7#

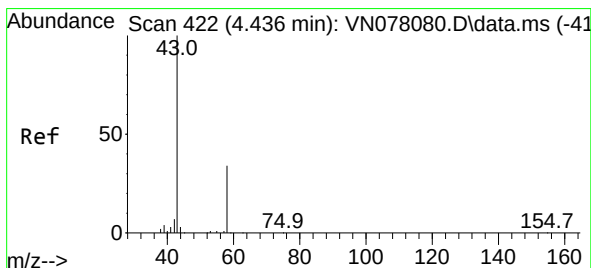
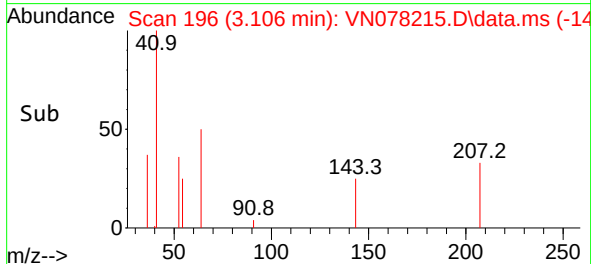
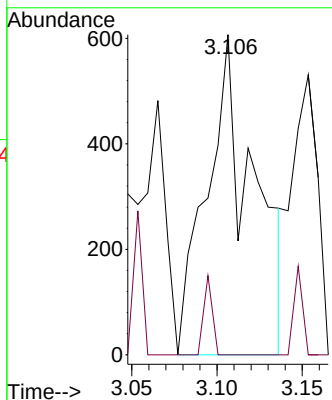
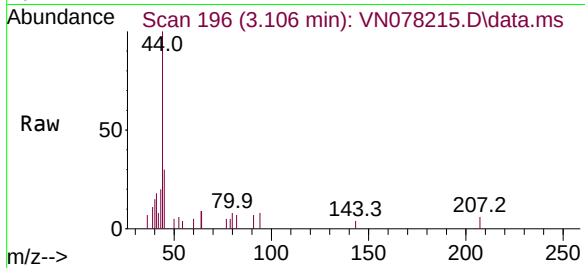




#6
Chloroethane
Concen: 0.253 ug/l
RT: 3.106 min Scan# 196
Delta R.T. -0.018 min
Lab File: VN078215.D
Acq: 14 Jun 2023 18:57

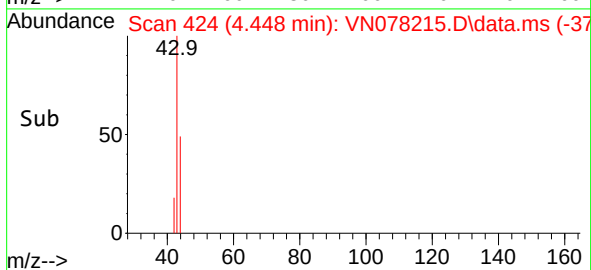
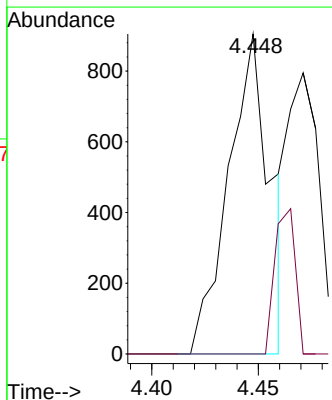
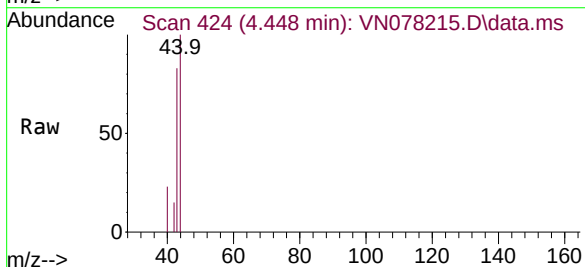
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-18-06132023

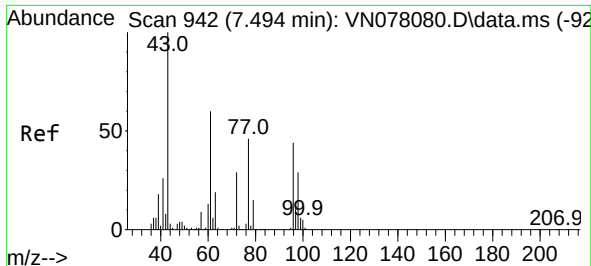
Tgt Ion: 64 Resp: 1153
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#16
Acetone
Concen: 0.705 ug/l
RT: 4.448 min Scan# 424
Delta R.T. 0.012 min
Lab File: VN078215.D
Acq: 14 Jun 2023 18:57

Tgt Ion: 43 Resp: 1222
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#

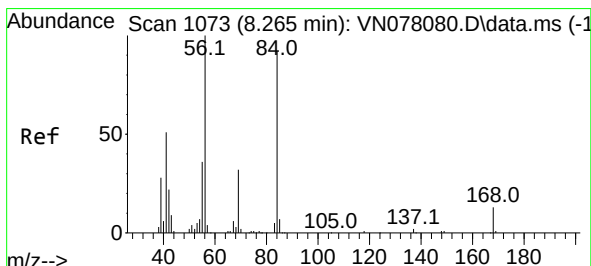
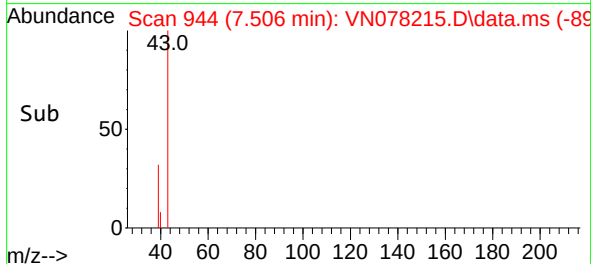
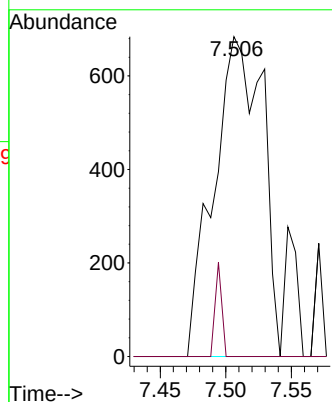
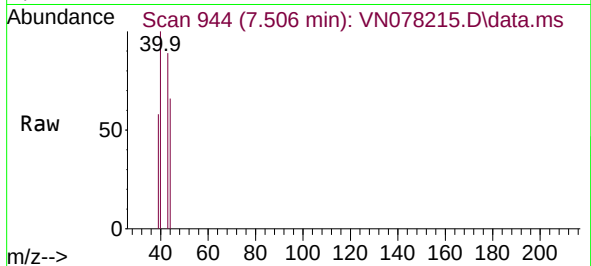




#25
2-Butanone
Concen: 0.665 ug/l
RT: 7.506 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN078215.D
Acq: 14 Jun 2023 18:57

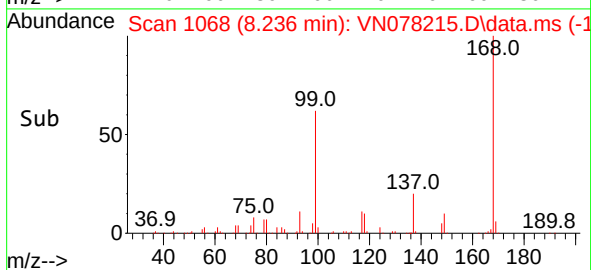
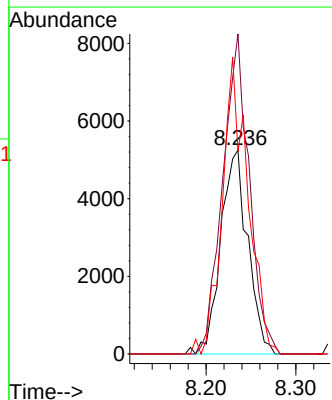
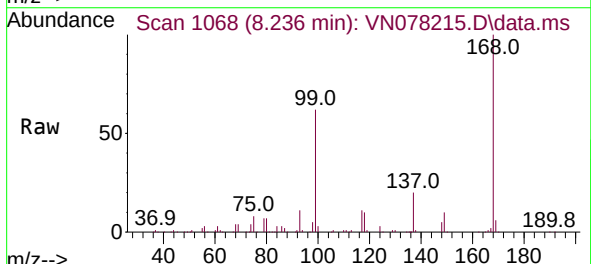
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-18-06132023

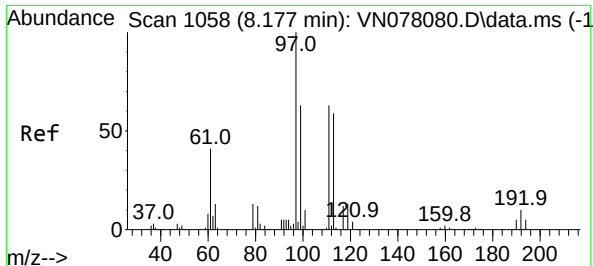
Tgt Ion: 43 Resp: 1772
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#



#31
Cyclohexane
Concen: 1.424 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.029 min
Lab File: VN078215.D
Acq: 14 Jun 2023 18:57

Tgt Ion: 56 Resp: 11002
Ion Ratio Lower Upper
56 100
69 156.8 26.8 40.2#
84 99.3 81.8 122.6





#32

1,1,1-Trichloroethane

Concen: 1.137 ug/l

RT: 8.177 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN078215.D

Acq: 14 Jun 2023 18:57

Instrument :

MSVOA_N

ClientSampleId :

FSND-MW-18-06132023

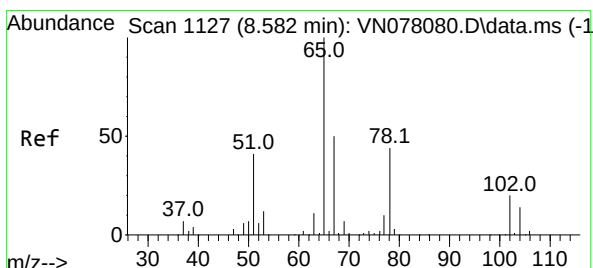
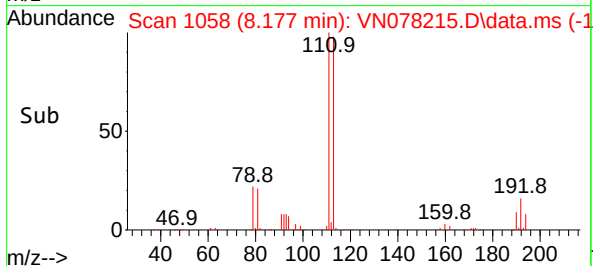
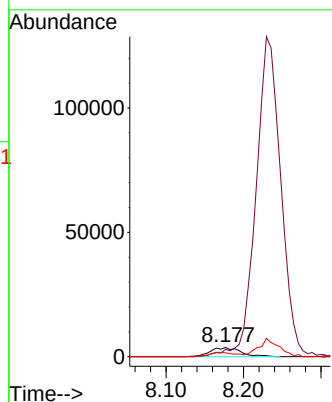
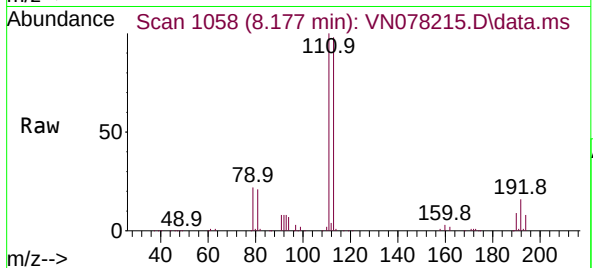
Tgt Ion: 97 Resp: 10037

Ion Ratio Lower Upper

97 100

99 0.0 50.3 75.5#

61 40.6 34.7 52.1



#33

1,2-Dichloroethane-d4

Concen: 54.092 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VN078215.D

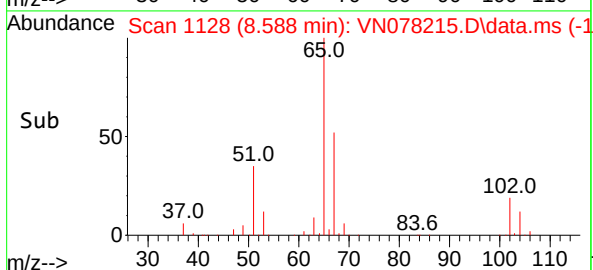
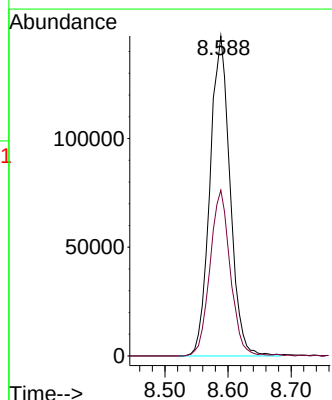
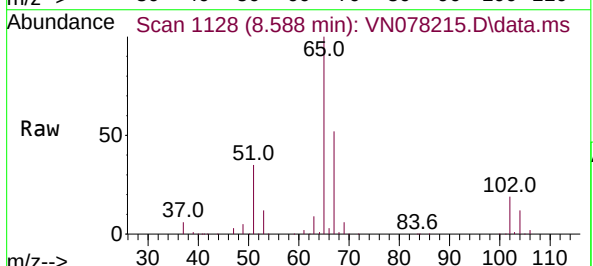
Acq: 14 Jun 2023 18:57

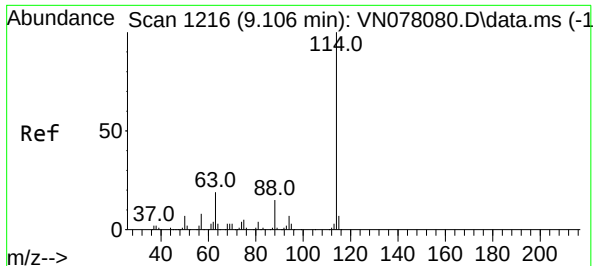
Tgt Ion: 65 Resp: 325681

Ion Ratio Lower Upper

65 100

67 52.2 0.0 106.6

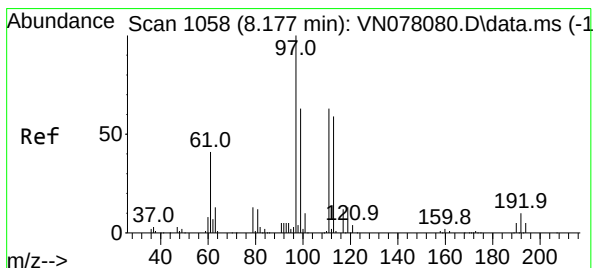
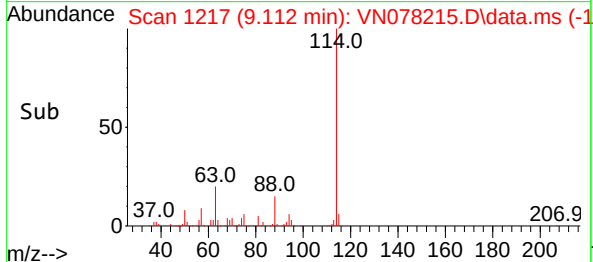
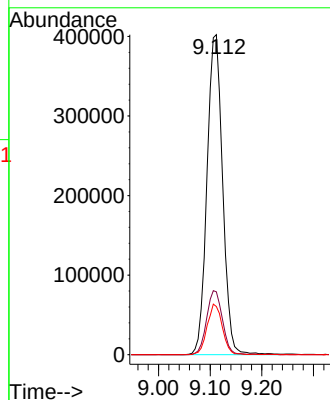
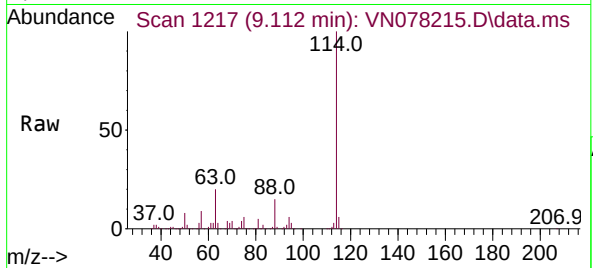




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.112 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078215.D
Acq: 14 Jun 2023 18:57

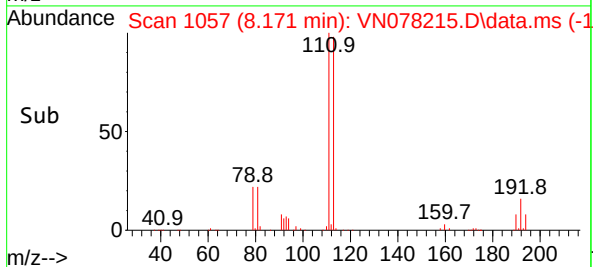
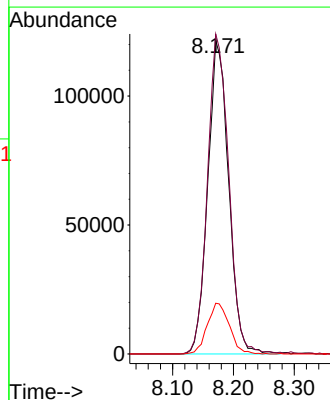
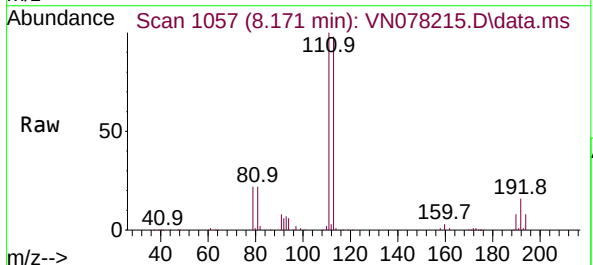
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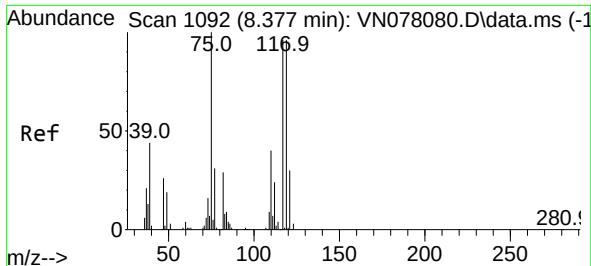
Tgt Ion:114 Resp: 845274
Ion Ratio Lower Upper
114 100
63 19.6 0.0 36.4
88 15.1 0.0 30.6



#35
Dibromofluoromethane
Concen: 54.114 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VN078215.D
Acq: 14 Jun 2023 18:57

Tgt Ion:113 Resp: 289217
Ion Ratio Lower Upper
113 100
111 104.1 82.6 123.8
192 17.1 12.7 19.1

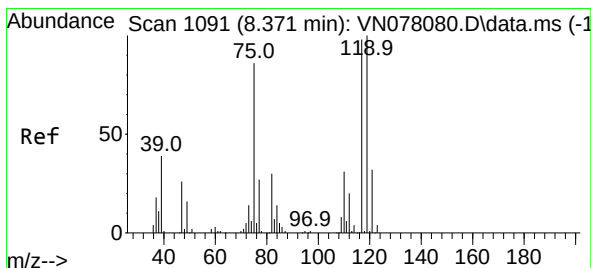
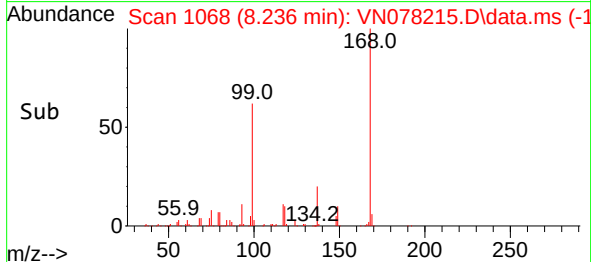
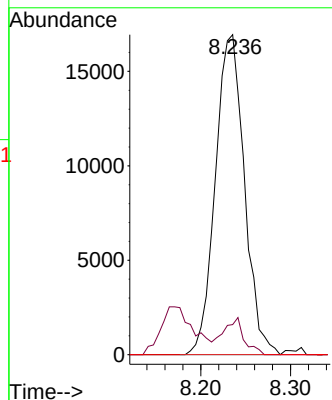
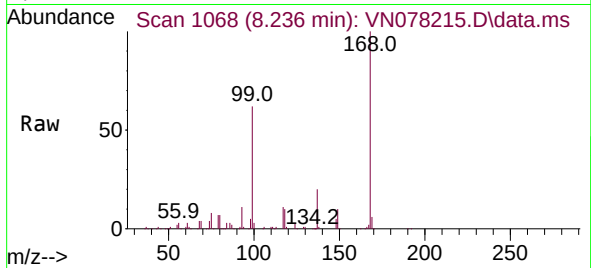




#36
1,1-Dichloropropene
Concen: 4.967 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VN078215.D
Acq: 14 Jun 2023 18:57

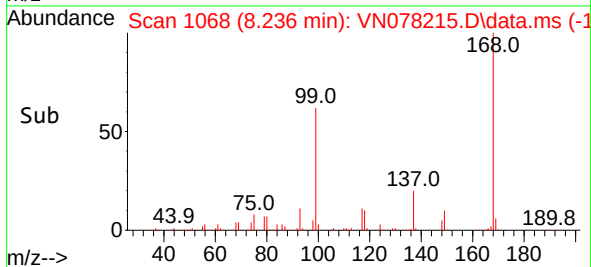
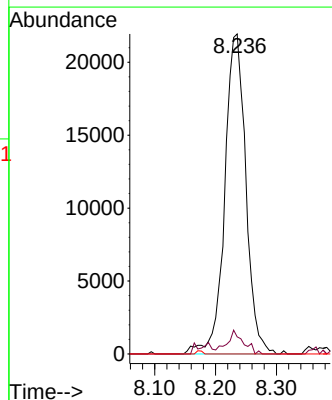
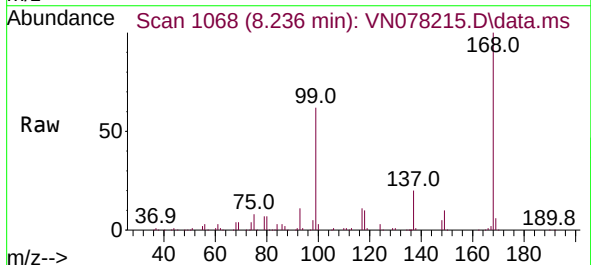
Instrument : MSVOA_N
ClientSampleId : FSND-MW-18-06132023

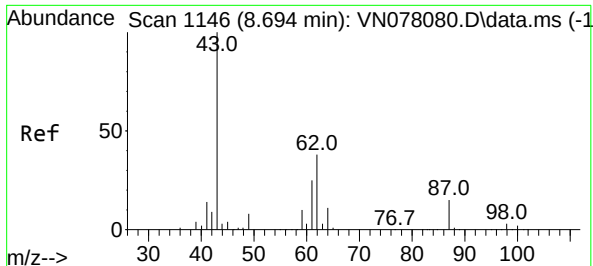
Tgt Ion: 75 Resp: 38078
Ion Ratio Lower Upper
75 100
110 8.4 19.1 57.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 6.541 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.135 min
Lab File: VN078215.D
Acq: 14 Jun 2023 18:57

Tgt Ion: 117 Resp: 52951
Ion Ratio Lower Upper
117 100
119 5.4 77.3 115.9#
121 0.0 23.3 34.9#





#43

Isopropyl Acetate

Concen: 1.817 ug/l

RT: 8.735 min Scan# 1153

Delta R.T. 0.041 min

Lab File: VN078215.D

Acq: 14 Jun 2023 18:57

Instrument :

MSVOA_N

ClientSampleId :

FSND-MW-18-06132023

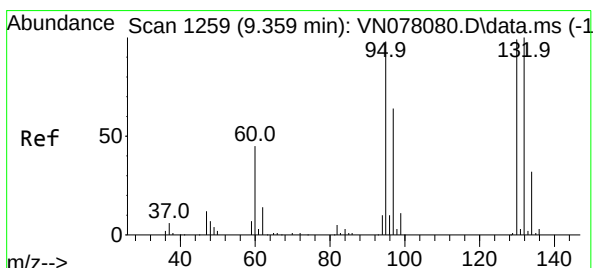
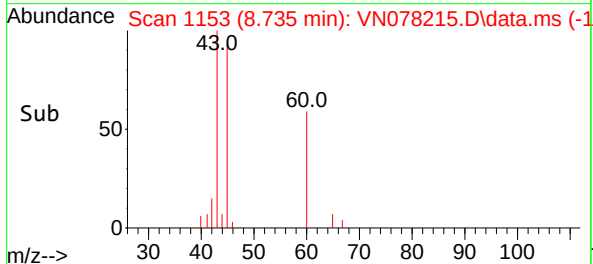
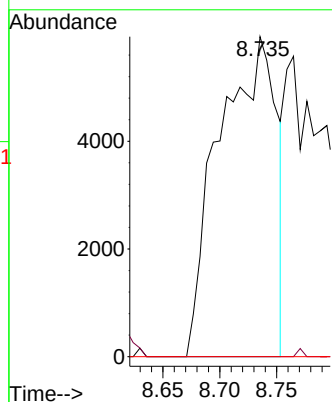
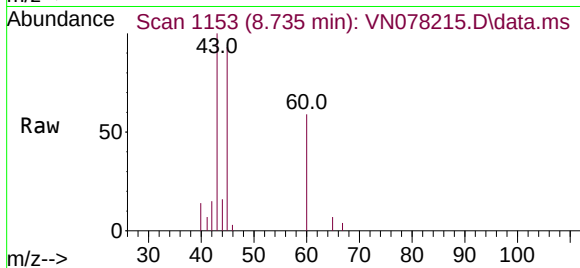
Tgt Ion: 43 Resp: 20812

Ion Ratio Lower Upper

43 100

61 0.0 24.7 37.1#

87 0.0 14.6 21.8#



#44

Trichloroethene

Concen: 42.782 ug/l

RT: 9.359 min Scan# 1259

Delta R.T. 0.000 min

Lab File: VN078215.D

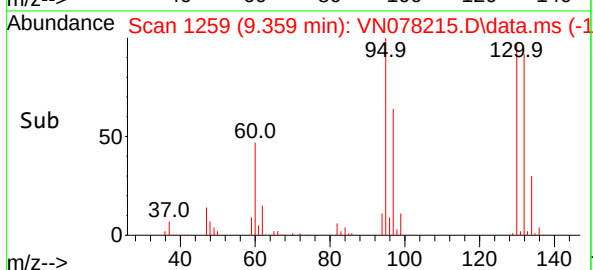
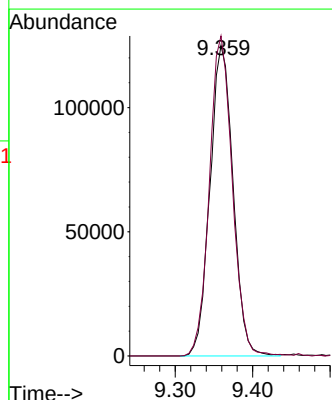
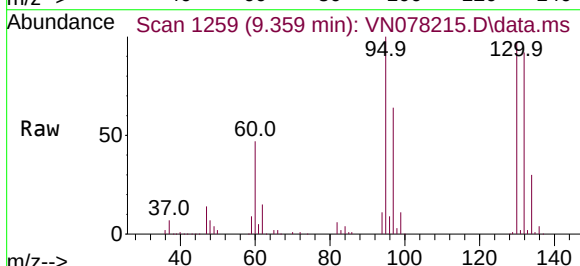
Acq: 14 Jun 2023 18:57

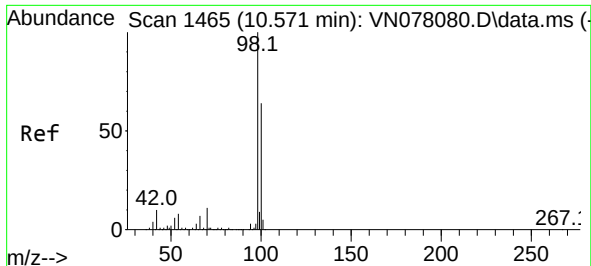
Tgt Ion:130 Resp: 258578

Ion Ratio Lower Upper

130 100

95 103.1 0.0 204.6

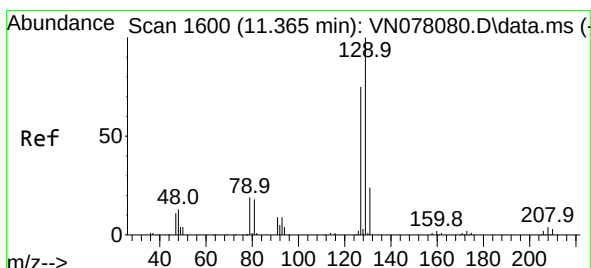
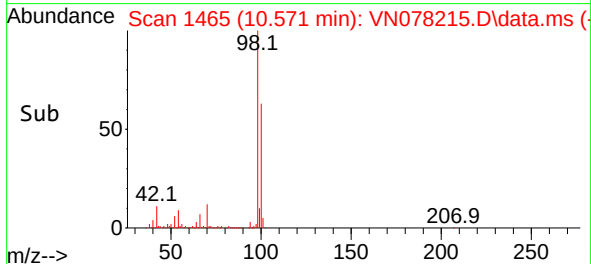
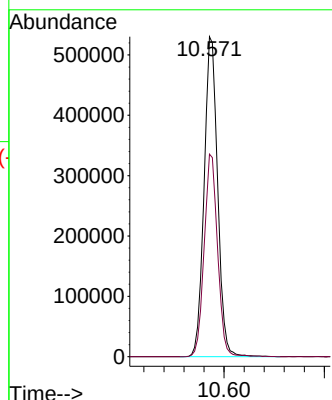
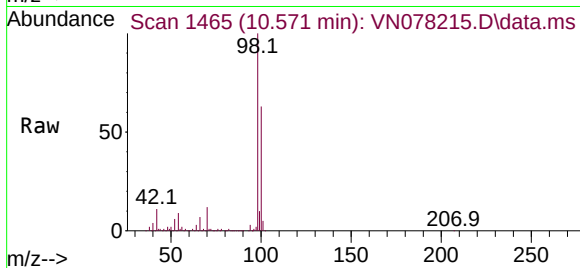




#50
Toluene-d8
Concen: 48.253 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN078215.D
Acq: 14 Jun 2023 18:57

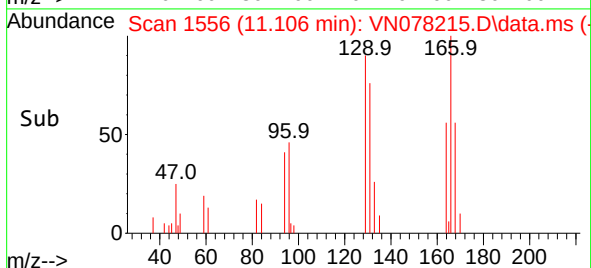
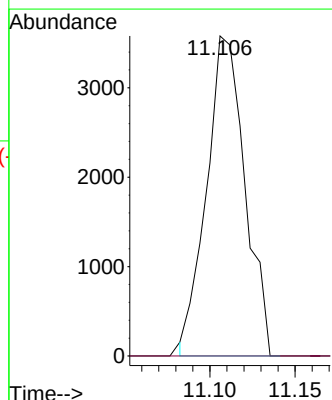
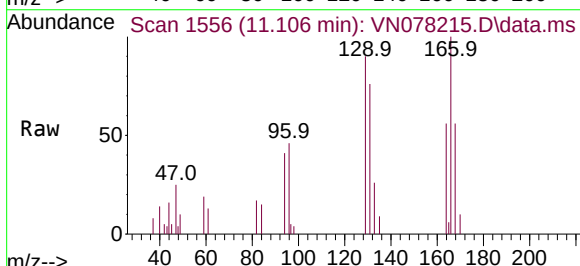
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-18-06132023

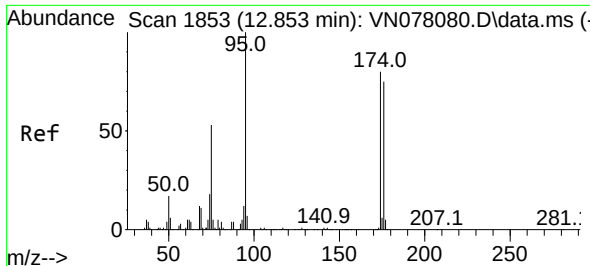
Tgt Ion: 98 Resp: 994198
Ion Ratio Lower Upper
98 100
100 62.8 52.0 78.0



#60
Dibromochloromethane
Concen: 0.938 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.259 min
Lab File: VN078215.D
Acq: 14 Jun 2023 18:57

Tgt Ion: 129 Resp: 5609
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

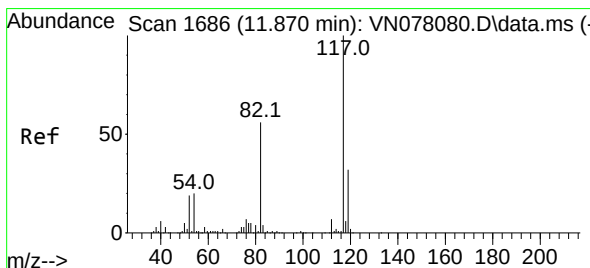
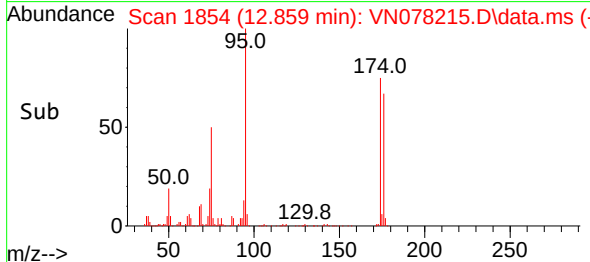
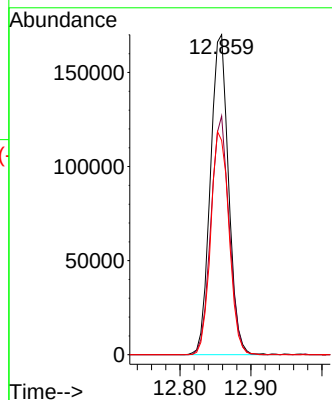
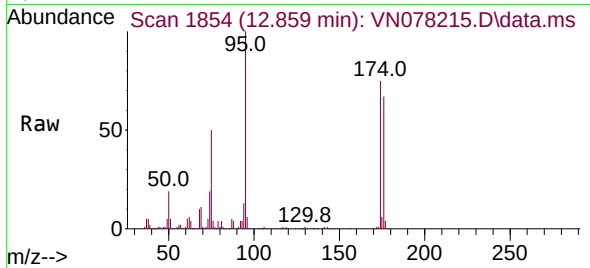




#62
4-Bromofluorobenzene
Concen: 47.118 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN078215.D
Acq: 14 Jun 2023 18:57

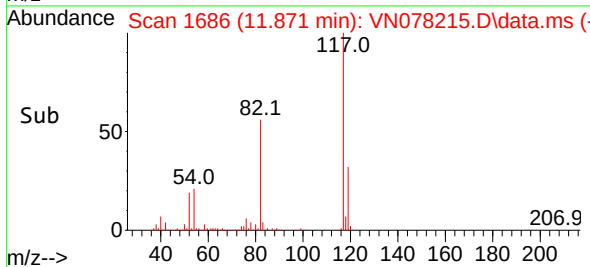
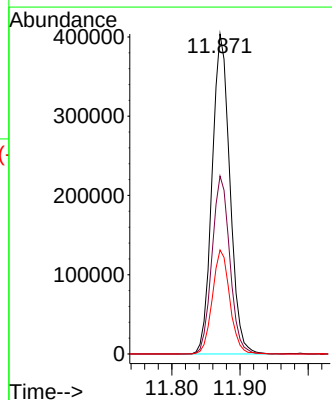
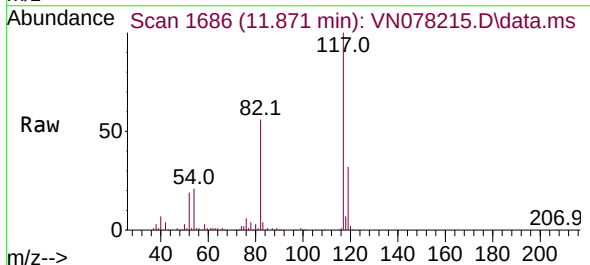
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-18-06132023

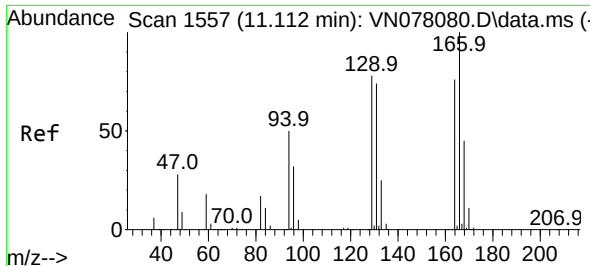
Tgt Ion: 95 Resp: 301798
Ion Ratio Lower Upper
95 100
174 74.7 0.0 143.8
176 70.2 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN078215.D
Acq: 14 Jun 2023 18:57

Tgt Ion: 117 Resp: 733486
Ion Ratio Lower Upper
117 100
82 55.6 44.0 66.0
119 32.5 25.6 38.4



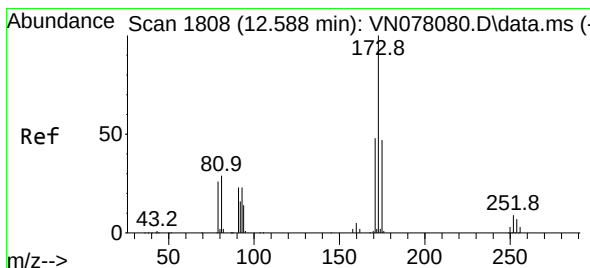
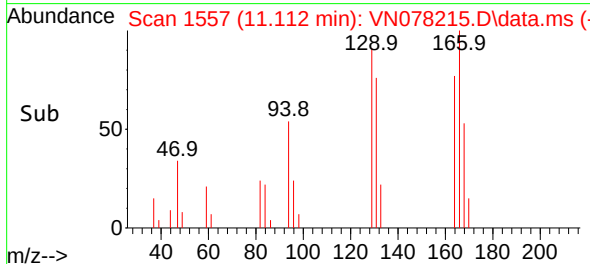
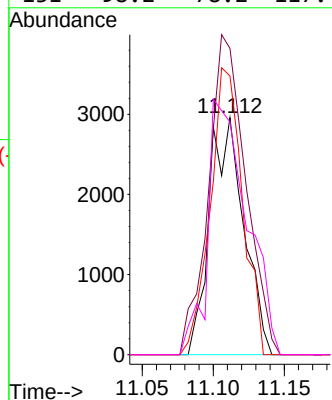
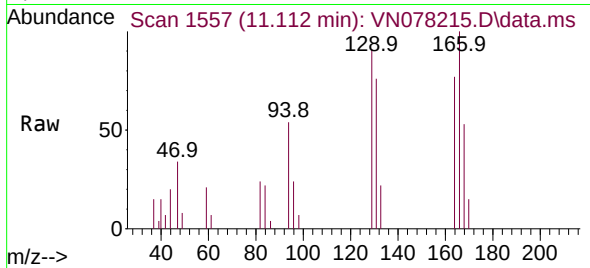


#64
Tetrachloroethene
Concen: 1.024 ug/l
RT: 11.112 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN078215.D
Acq: 14 Jun 2023 18:57

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-18-06132023

Tgt Ion:164 Resp: 5009

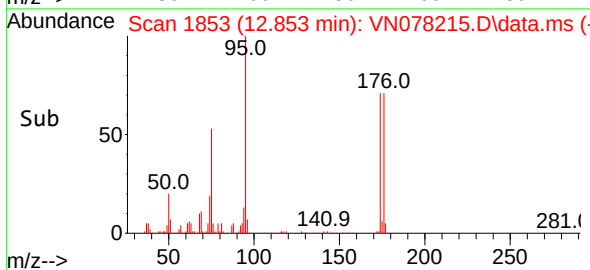
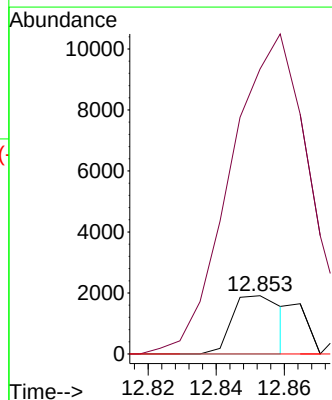
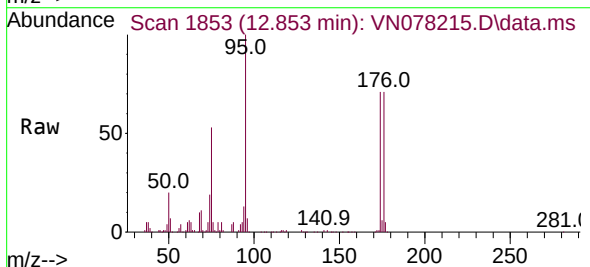
Ion	Ratio	Lower	Upper
164	100		
166	129.2	101.4	152.0
129	117.6	82.4	123.6
131	98.2	78.2	117.4

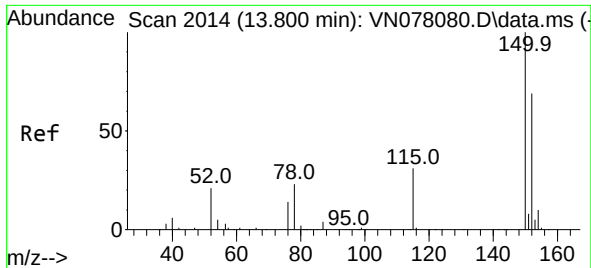


#71
Bromoform
Concen: 0.521 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.265 min
Lab File: VN078215.D
Acq: 14 Jun 2023 18:57

Tgt Ion:173 Resp: 1944

Ion	Ratio	Lower	Upper
173	100		
175	765.1	24.3	73.0#
254	0.0	0.0	0.0

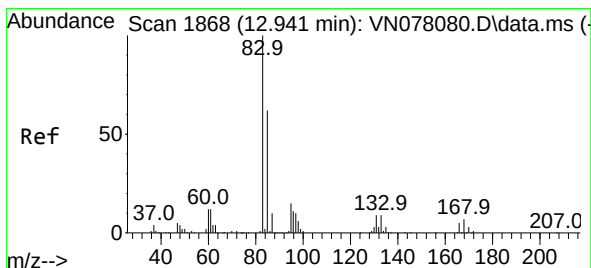
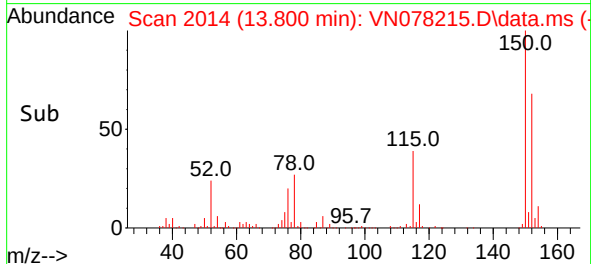
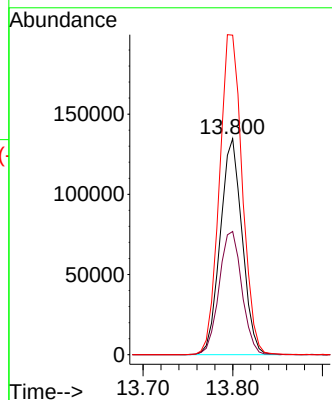
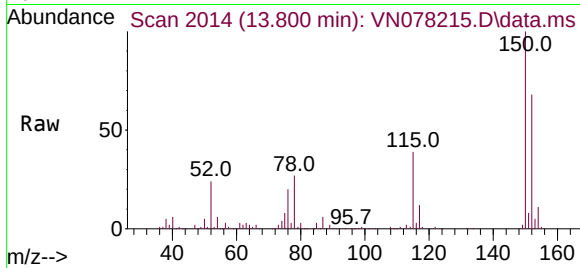




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.800 min Scan# 2014
 Delta R.T. 0.000 min
 Lab File: VN078215.D
 Acq: 14 Jun 2023 18:57

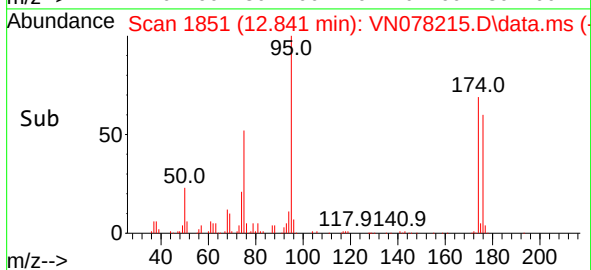
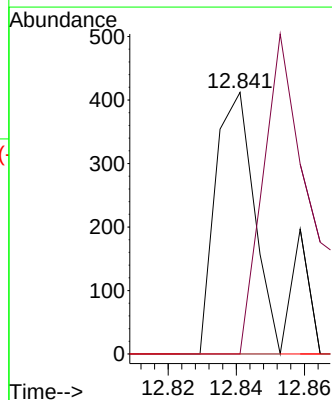
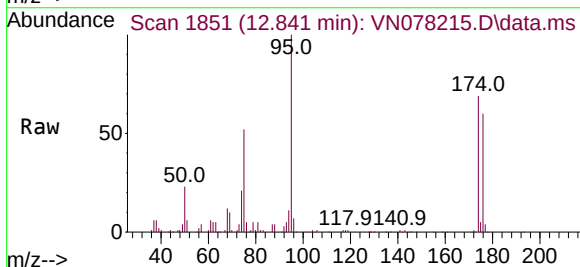
Instrument :
 MSVOA_N
 ClientSampleId :
 FSND-MW-18-06132023

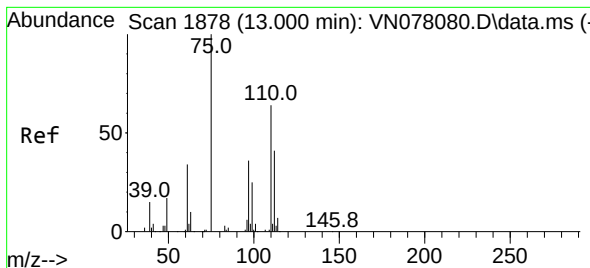
Tgt Ion:152 Resp: 227811
 Ion Ratio Lower Upper
 152 100
 115 59.4 32.3 96.8
 150 154.9 0.0 355.8



#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.841 min Scan# 1851
 Delta R.T. -0.100 min
 Lab File: VN078215.D
 Acq: 14 Jun 2023 18:57

Tgt Ion: 83 Resp: 326
 Ion Ratio Lower Upper
 83 100
 131 149.4 5.0 15.0#
 85 0.0 31.9 95.7#





#76

1,2,3-Trichloropropane

Concen: 29.222 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN078215.D

Acq: 14 Jun 2023 18:57

Instrument :

MSVOA_N

ClientSampleId :

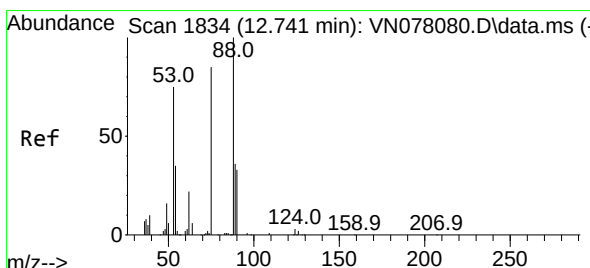
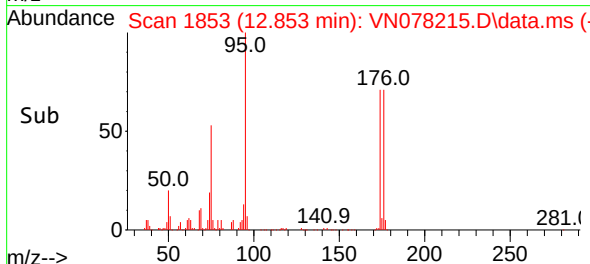
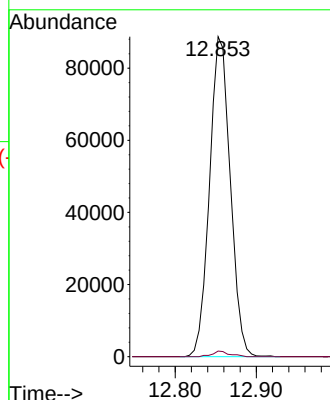
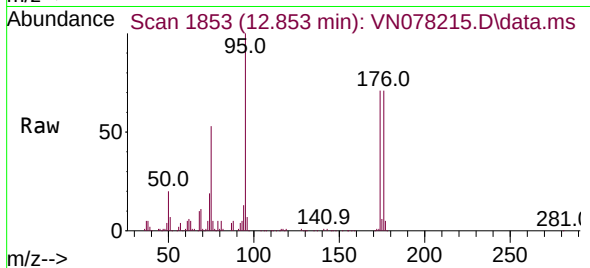
FSND-MW-18-06132023

Tgt Ion: 75 Resp: 157376

Ion Ratio Lower Upper

75 100

77 1.5 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 89.779 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN078215.D

Acq: 14 Jun 2023 18:57

Tgt Ion: 75 Resp: 157376

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

89 0.1 38.8 58.2#

