

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061423\
 Data File : VN078214.D
 Acq On : 14 Jun 2023 18:33
 Operator : JC\MD
 Sample : 03231-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FSND-MW-EVAL-2D-06132023

Quant Time: Jun 15 02:47:51 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)

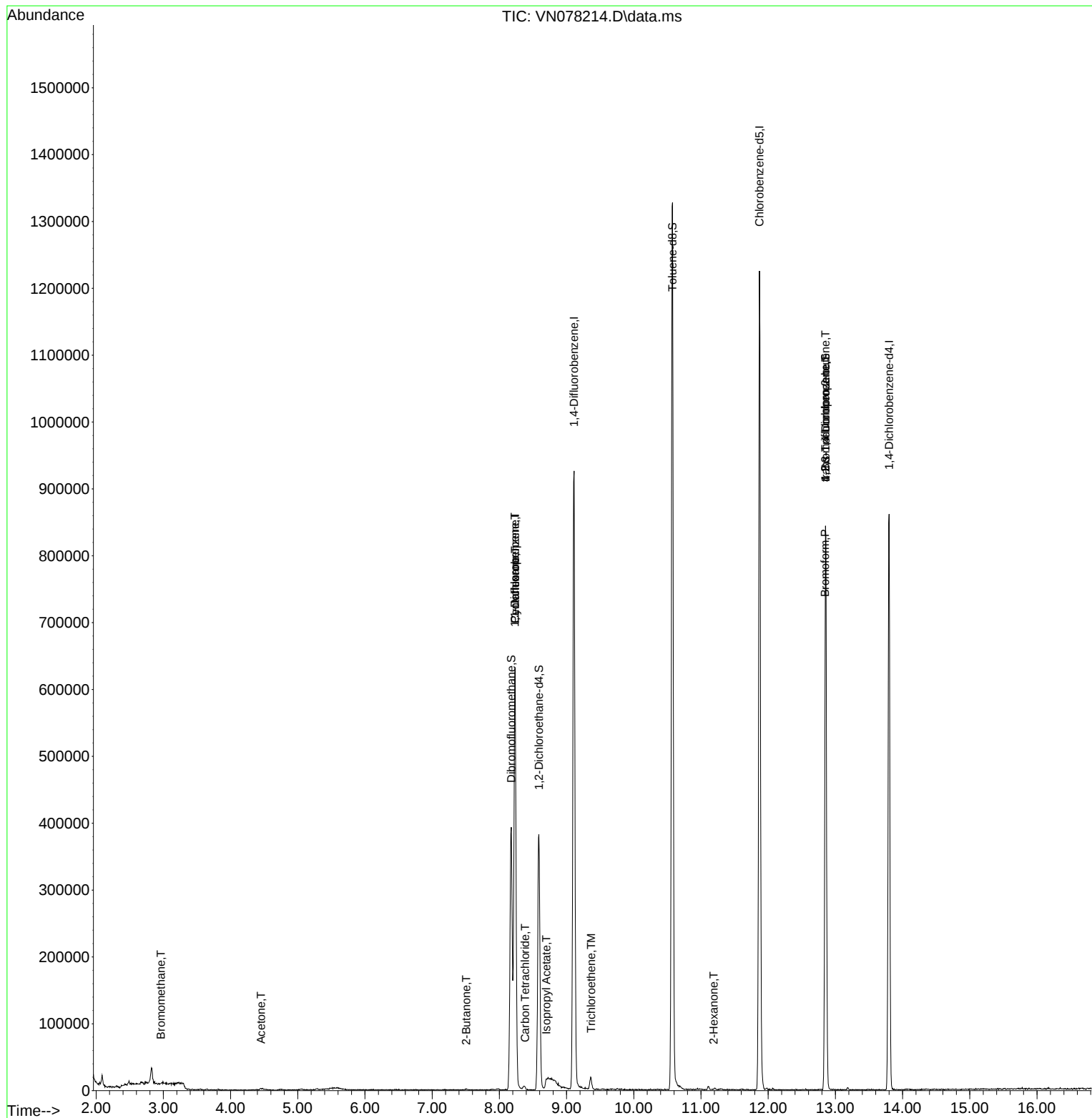
Internal Standards						
1) Pentafluorobenzene	8.235	168	444944	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	825006	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	732854	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	235051	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	321450	54.185	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.360%			
35) Dibromofluoromethane	8.177	113	285165	54.667	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.340%			
50) Toluene-d8	10.576	98	972635	48.366	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.740%			
62) 4-Bromofluorobenzene	12.853	95	300217	48.022	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.040%			
Target Compounds						
3) Chloromethane	2.377	50	1190	Below Cal	Qvalue 92	
5) Bromomethane	2.965	94	1110	0.223 ug/l #	77	
16) Acetone	4.453	43	2102	1.231 ug/l	91	
25) 2-Butanone	7.506	43	698	0.266 ug/l #	37	
31) Cyclohexane	8.235	56	10782	1.417 ug/l #	30	
36) 1,1-Dichloropropene	8.229	75	38408	5.133 ug/l #	50	
38) Carbon Tetrachloride	8.382	117	4061	0.514 ug/l #	70	
43) Isopropyl Acetate	8.700	43	7368	0.659 ug/l #	49	
44) Trichloroethene	9.365	130	6671	1.131 ug/l	89	
59) 2-Hexanone	11.188	43	1138	0.278 ug/l #	30	
71) Bromoform	12.847	173	2419	0.649 ug/l #	1	
75) 1,1,2,2-Tetrachloroethane	12.929	83	61	Below Cal #	26	
76) 1,2,3-Trichloropropane	12.853	75	167979	30.230 ug/l #	1	
81) trans-1,4-Dichloro-2-b...	12.853	75	167979	92.876 ug/l #	15	

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

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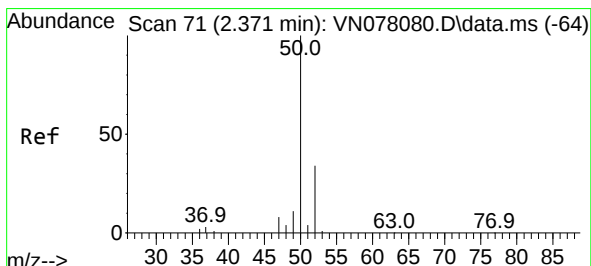
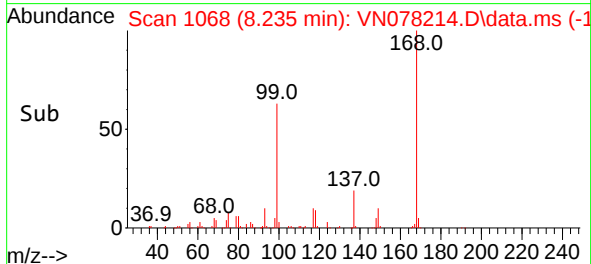
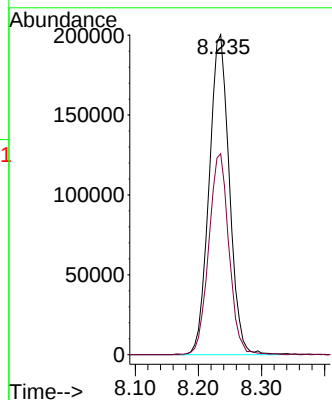
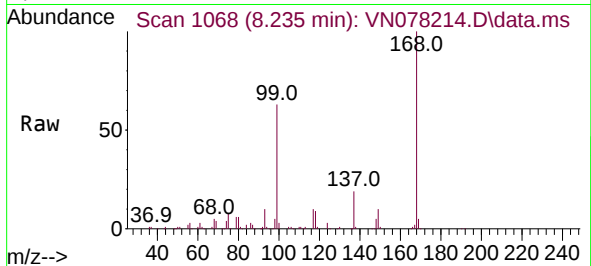




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN078214.D
Acq: 14 Jun 2023 18:33

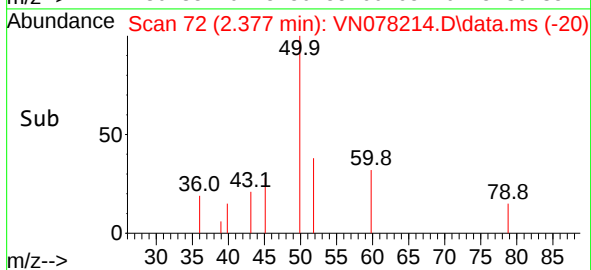
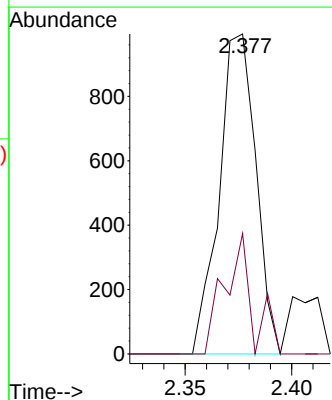
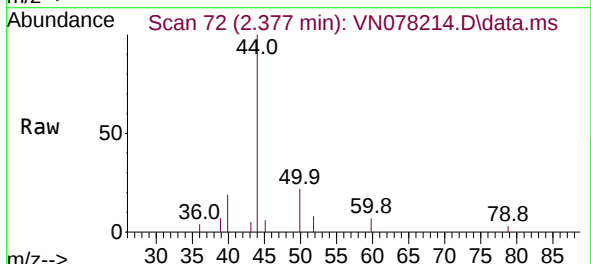
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-EVAL-2D-06132023

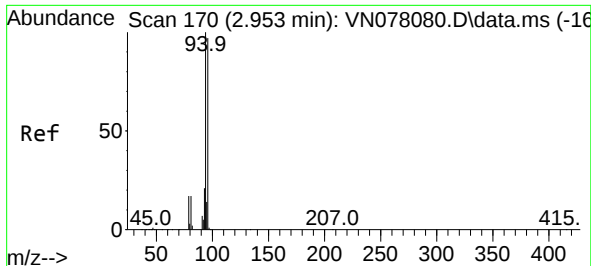
Tgt Ion:168 Resp: 444944
Ion Ratio Lower Upper
168 100
99 62.7 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.377 min Scan# 72
Delta R.T. 0.006 min
Lab File: VN078214.D
Acq: 14 Jun 2023 18:33

Tgt Ion: 50 Resp: 1190
Ion Ratio Lower Upper
50 100
52 37.6 26.5 39.7

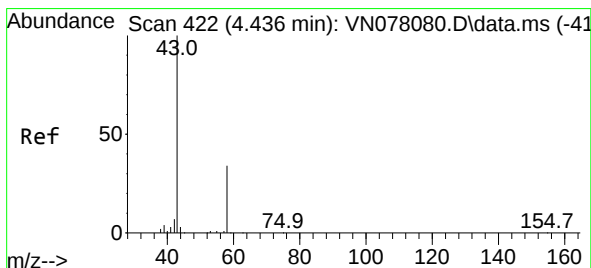
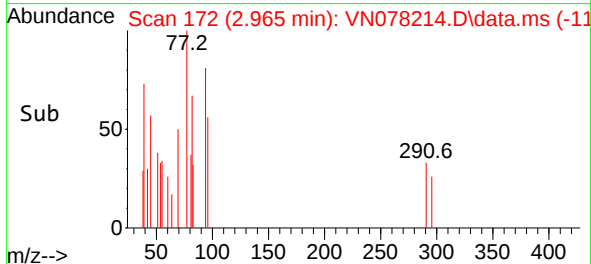
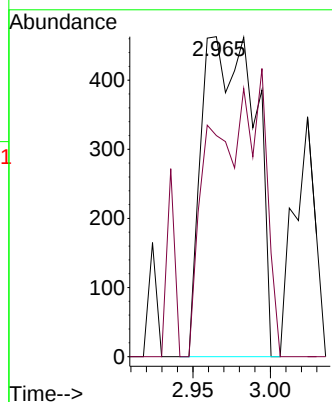
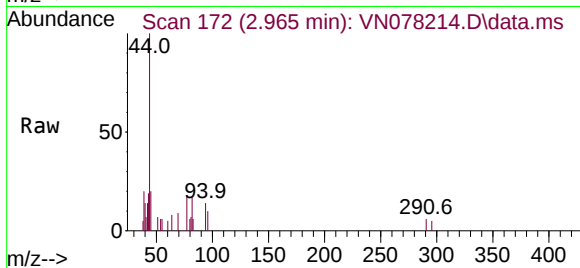




#5
Bromomethane
Concen: 0.223 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN078214.D
Acq: 14 Jun 2023 18:33

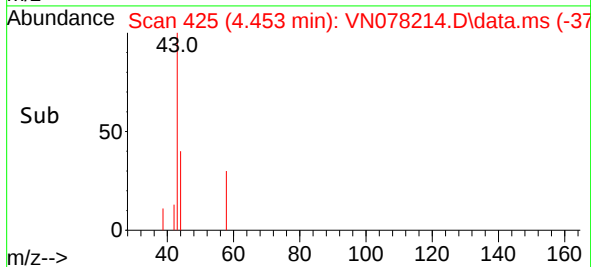
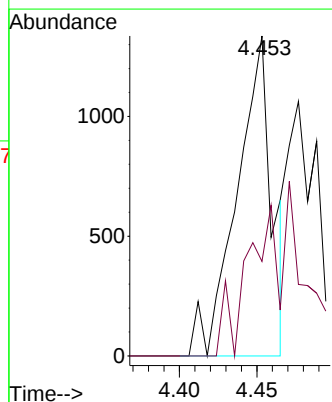
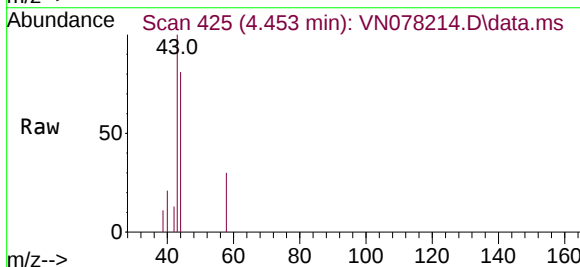
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-EVAL-2D-06132023

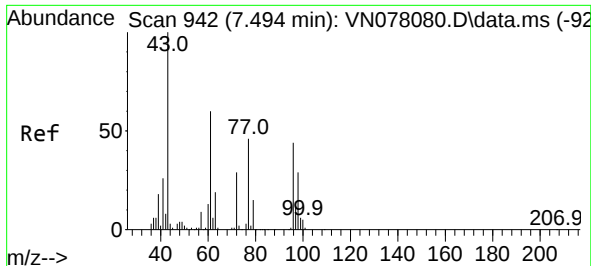
Tgt Ion: 94 Resp: 1110
Ion Ratio Lower Upper
94 100
96 69.1 73.1 109.7#



#16
Acetone
Concen: 1.231 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.018 min
Lab File: VN078214.D
Acq: 14 Jun 2023 18:33

Tgt Ion: 43 Resp: 2102
Ion Ratio Lower Upper
43 100
58 29.6 28.0 42.0

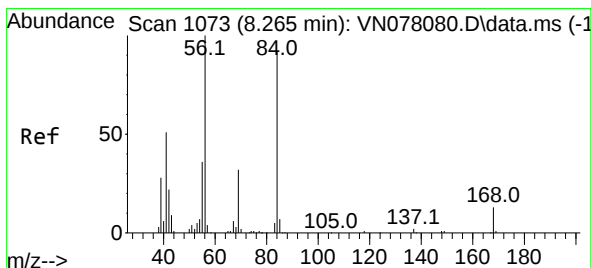
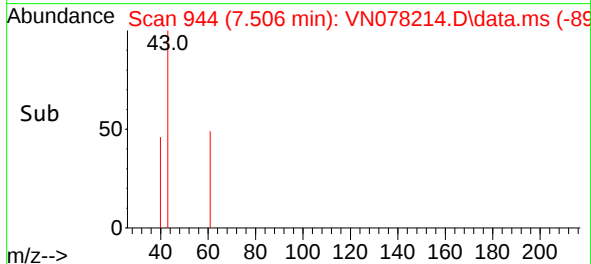
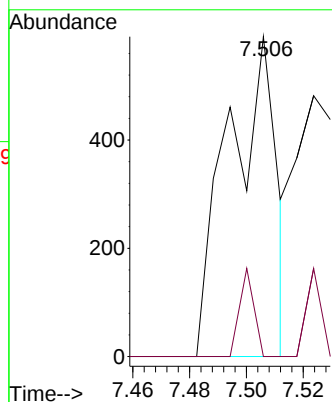
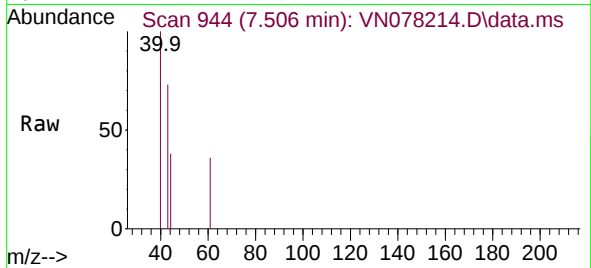




#25
2-Butanone
Concen: 0.266 ug/l
RT: 7.506 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN078214.D
Acq: 14 Jun 2023 18:33

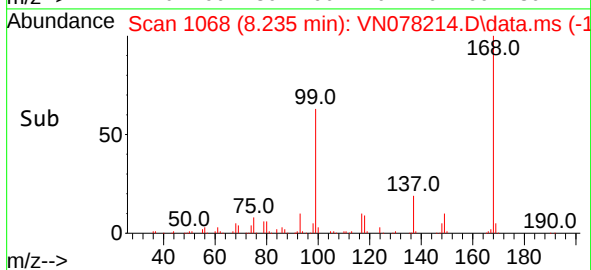
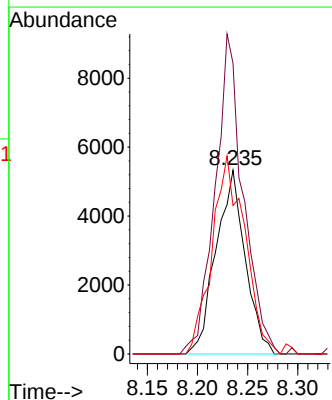
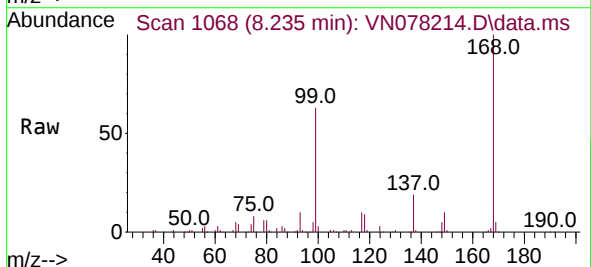
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-EVAL-2D-06132023

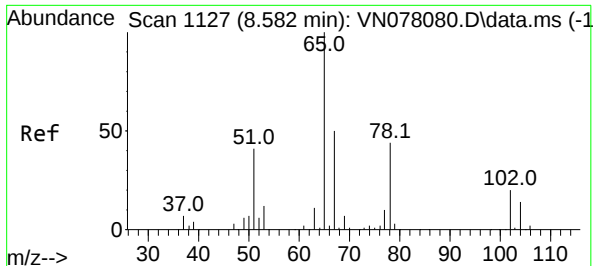
Tgt Ion: 43 Resp: 698
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#



#31
Cyclohexane
Concen: 1.417 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.029 min
Lab File: VN078214.D
Acq: 14 Jun 2023 18:33

Tgt Ion: 56 Resp: 10782
Ion Ratio Lower Upper
56 100
69 158.2 26.8 40.2#
84 80.8 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 54.185 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VN078214.D

Acq: 14 Jun 2023 18:33

Instrument :

MSVOA_N

ClientSampleId :

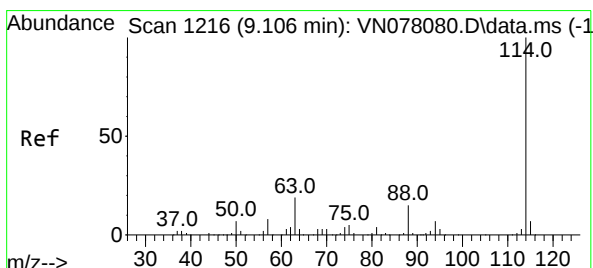
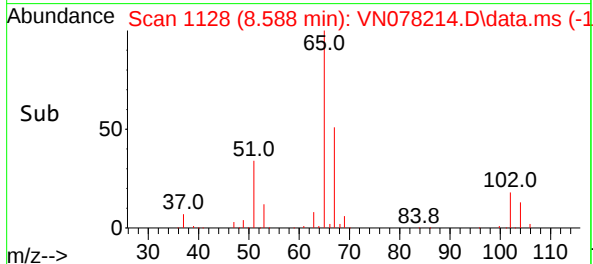
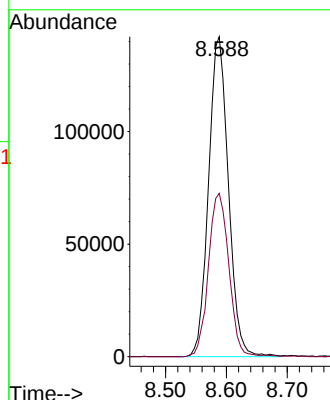
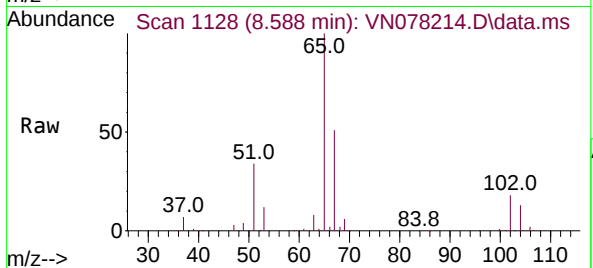
FSND-MW-EVAL-2D-06132023

Tgt Ion: 65 Resp: 321450

Ion Ratio Lower Upper

65 100

67 52.4 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1217

Delta R.T. 0.006 min

Lab File: VN078214.D

Acq: 14 Jun 2023 18:33

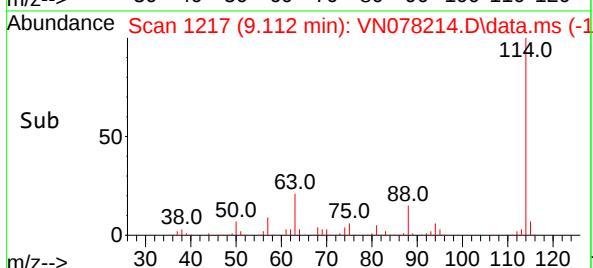
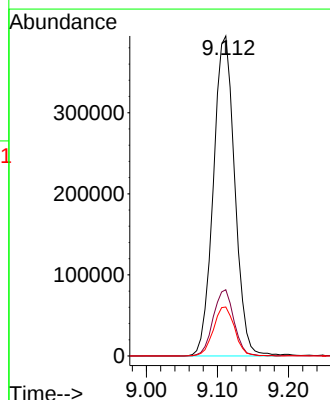
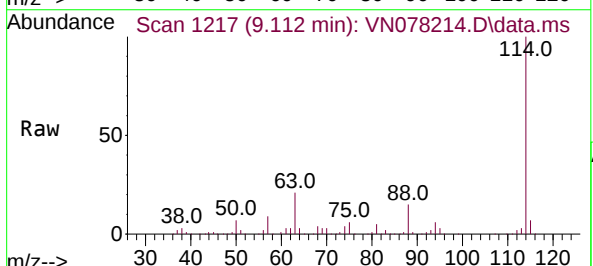
Tgt Ion: 114 Resp: 825006

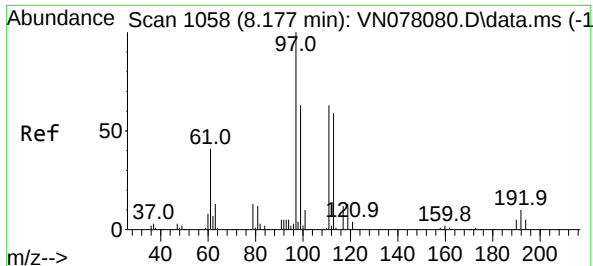
Ion Ratio Lower Upper

114 100

63 20.7 0.0 36.4

88 15.3 0.0 30.6

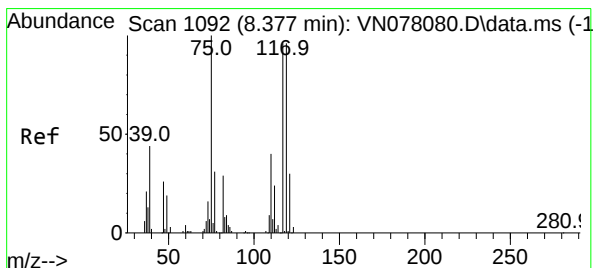
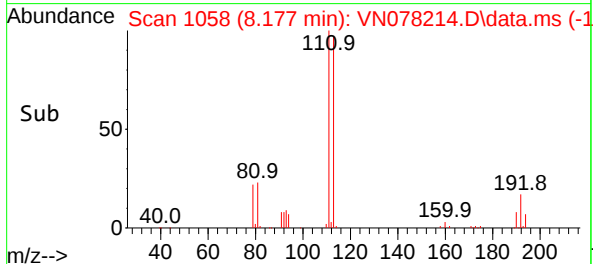
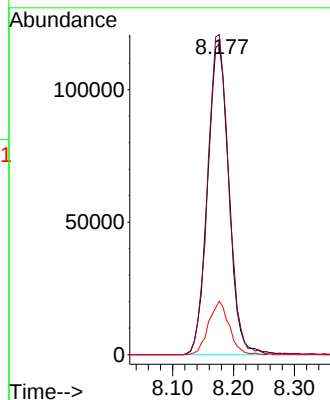
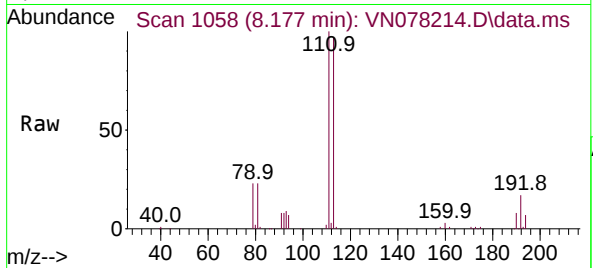




#35
Dibromofluoromethane
Concen: 54.667 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN078214.D
Acq: 14 Jun 2023 18:33

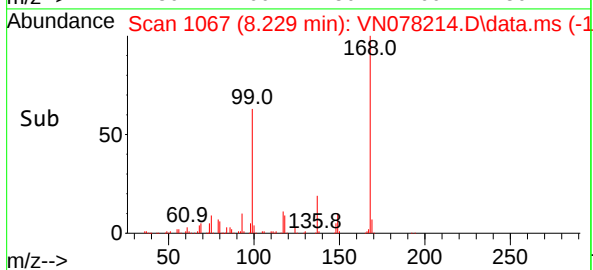
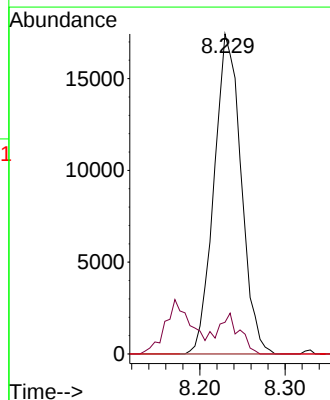
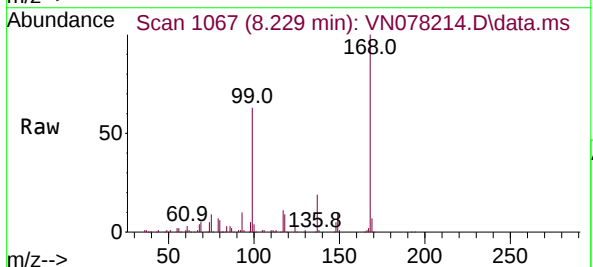
Instrument : MSVOA_N
ClientSampleId : FSND-MW-EVAL-2D-06132023

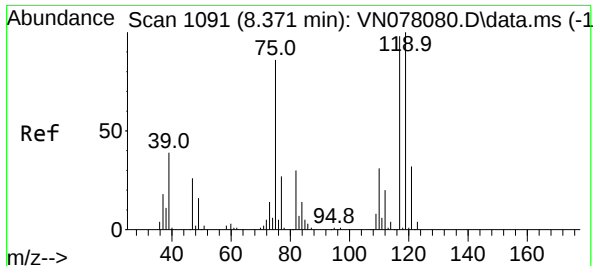
Tgt Ion:113 Resp: 285165
Ion Ratio Lower Upper
113 100
111 102.3 82.6 123.8
192 16.6 12.7 19.1



#36
1,1-Dichloropropene
Concen: 5.133 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN078214.D
Acq: 14 Jun 2023 18:33

Tgt Ion: 75 Resp: 38408
Ion Ratio Lower Upper
75 100
110 10.7 19.1 57.3#
77 0.0 25.0 37.4#

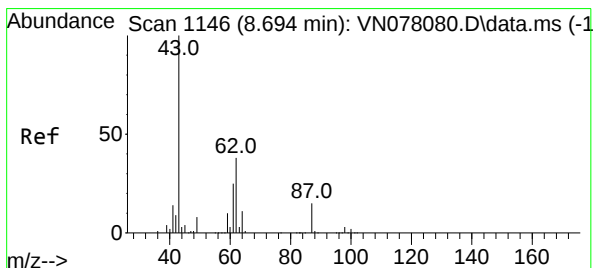
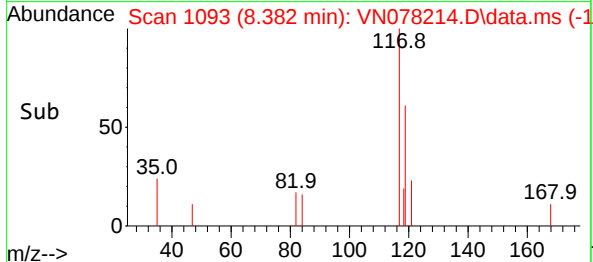
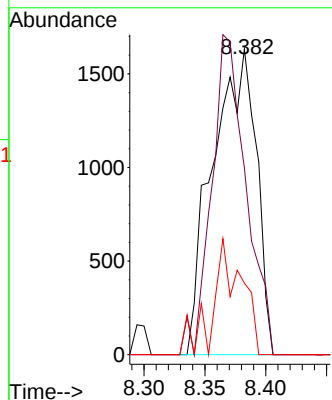
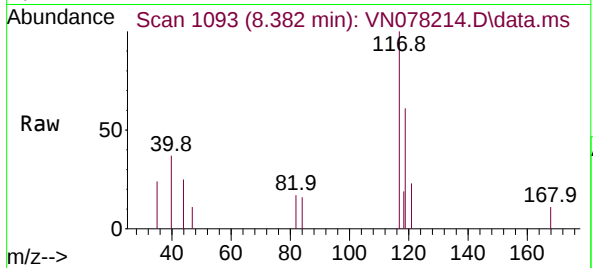




#38
Carbon Tetrachloride
Concen: 0.514 ug/l
RT: 8.382 min Scan# 1109
Delta R.T. 0.012 min
Lab File: VN078214.D
Acq: 14 Jun 2023 18:33

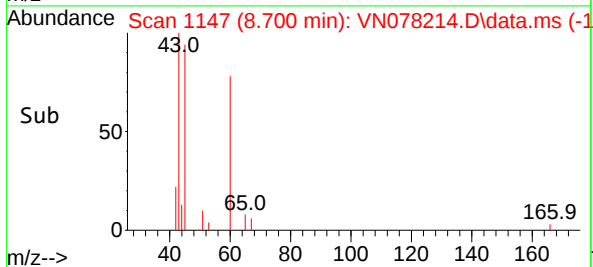
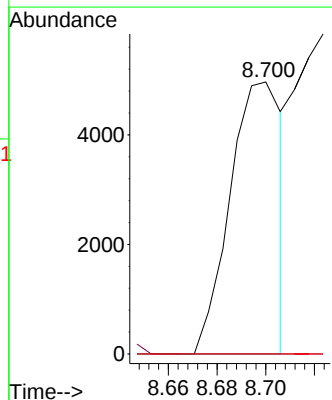
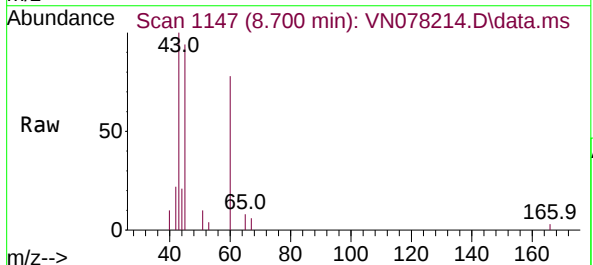
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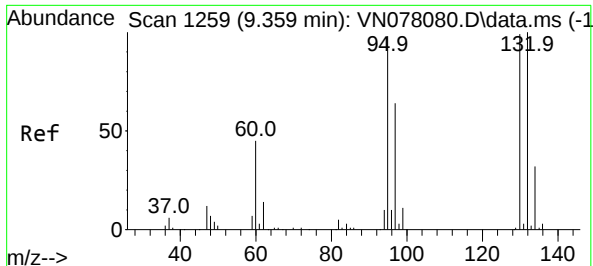
Tgt Ion:117 Resp: 4061
Ion Ratio Lower Upper
117 100
119 61.2 77.3 115.9#
121 23.5 23.3 34.9



#43
Isopropyl Acetate
Concen: 0.659 ug/l
RT: 8.700 min Scan# 1147
Delta R.T. 0.006 min
Lab File: VN078214.D
Acq: 14 Jun 2023 18:33

Tgt Ion: 43 Resp: 7368
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#

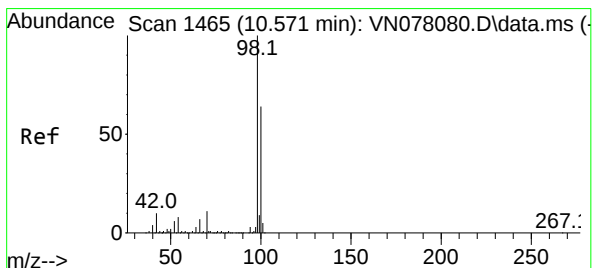
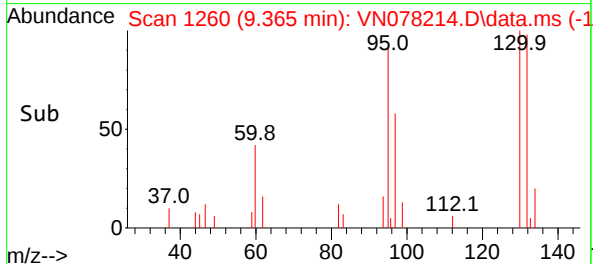
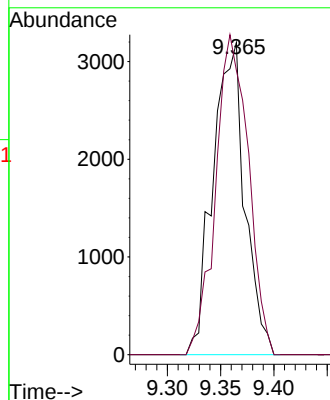
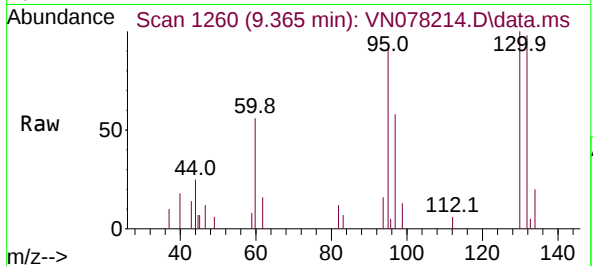




#44
Trichloroethene
Concen: 1.131 ug/l
RT: 9.365 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078214.D
Acq: 14 Jun 2023 18:33

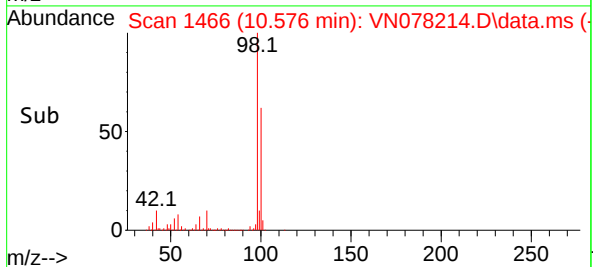
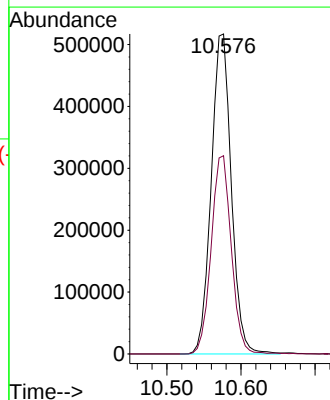
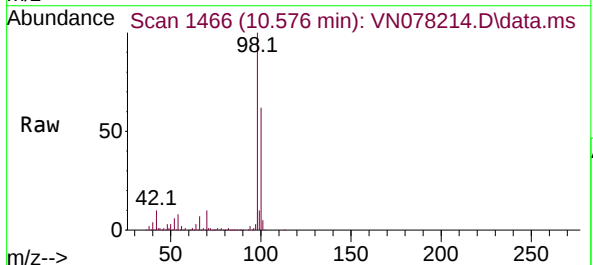
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-EVAL-2D-06132023

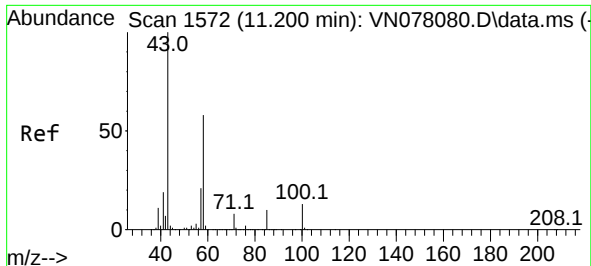
Tgt Ion:130 Resp: 6671
Ion Ratio Lower Upper
130 100
95 91.2 0.0 204.6



#50
Toluene-d8
Concen: 48.366 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VN078214.D
Acq: 14 Jun 2023 18:33

Tgt Ion: 98 Resp: 972635
Ion Ratio Lower Upper
98 100
100 62.1 52.0 78.0

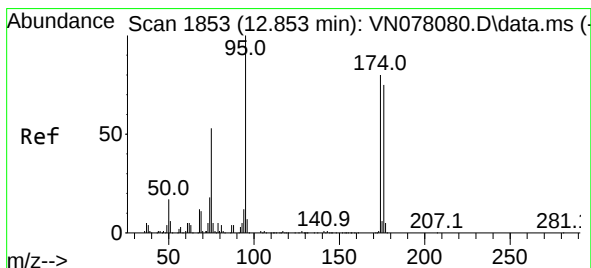
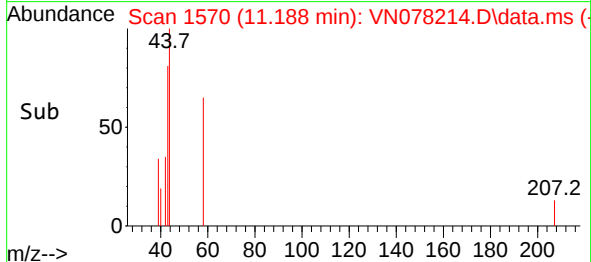
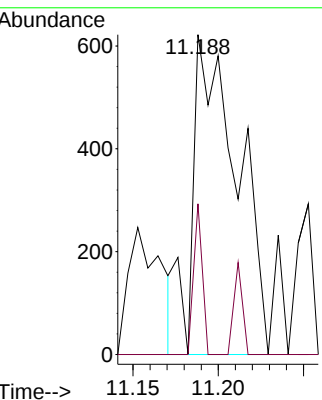
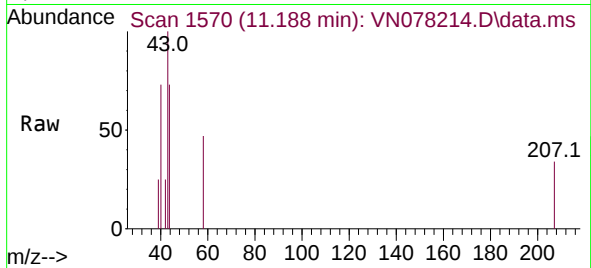




#59
2-Hexanone
Concen: 0.278 ug/l
RT: 11.188 min Scan# 1138
Delta R.T. -0.012 min
Lab File: VN078214.D
Acq: 14 Jun 2023 18:33

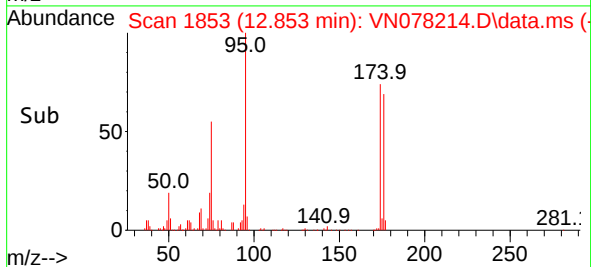
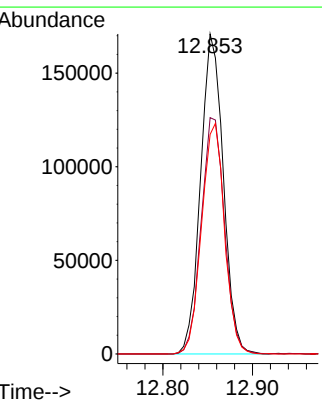
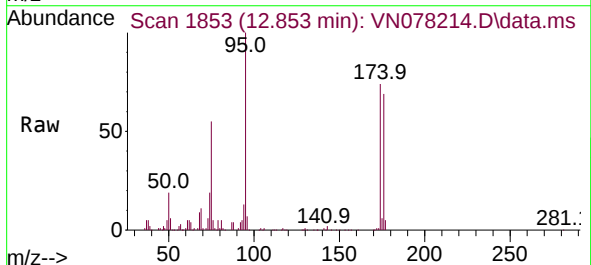
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-EVAL-2D-06132023

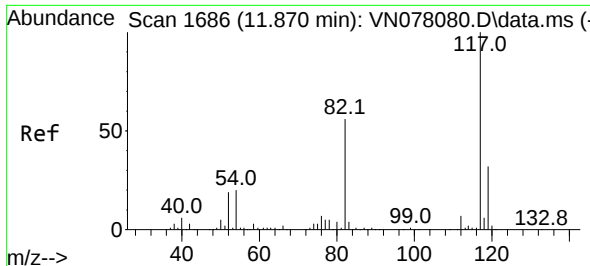
Tgt Ion: 43 Resp: 1138
Ion Ratio Lower Upper
43 100
58 9.1 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 48.022 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078214.D
Acq: 14 Jun 2023 18:33

Tgt Ion: 95 Resp: 300217
Ion Ratio Lower Upper
95 100
174 75.9 0.0 143.8
176 72.7 0.0 135.8

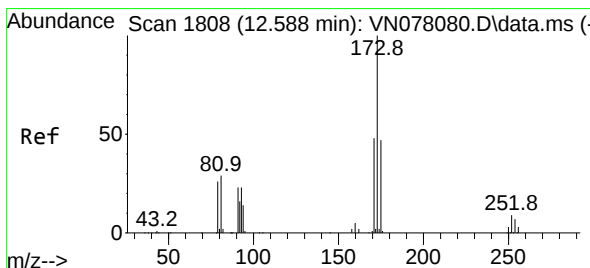
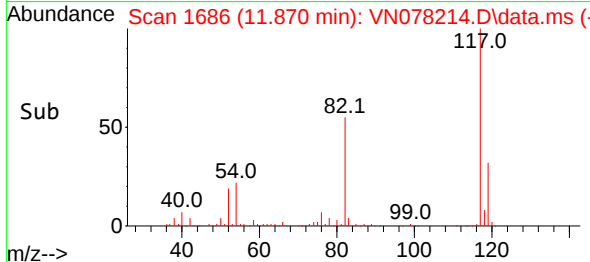
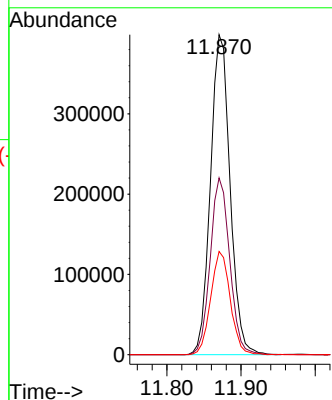
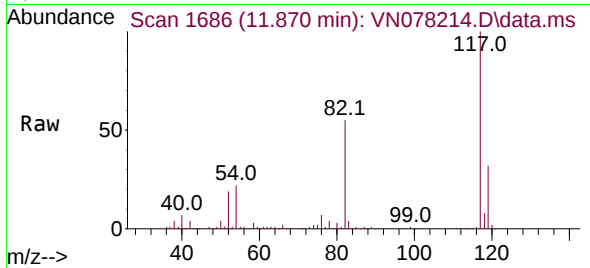




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN078214.D
Acq: 14 Jun 2023 18:33

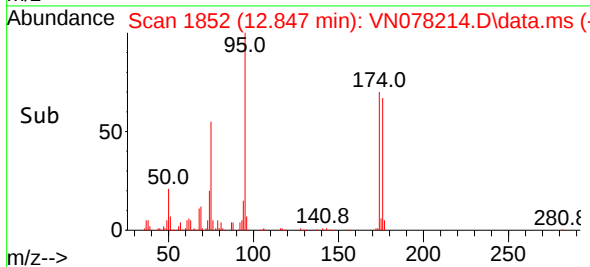
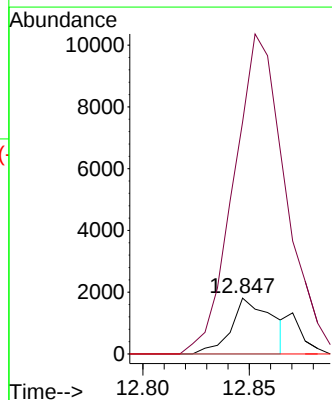
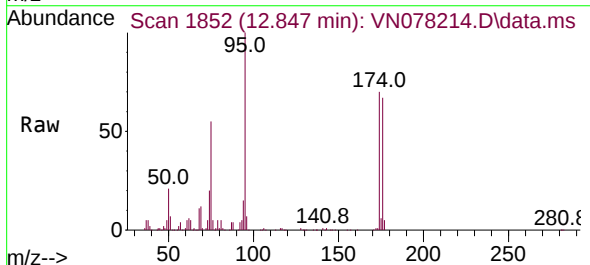
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-EVAL-2D-06132023

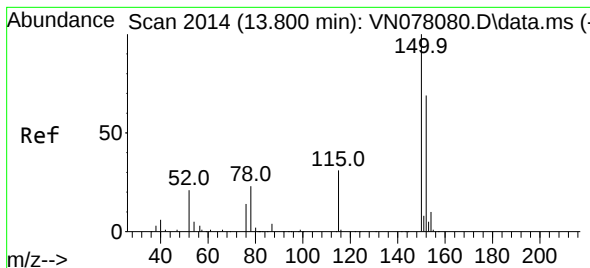
Tgt Ion:117 Resp: 732854
Ion Ratio Lower Upper
117 100
82 55.2 44.0 66.0
119 32.3 25.6 38.4



#71
Bromoform
Concen: 0.649 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.259 min
Lab File: VN078214.D
Acq: 14 Jun 2023 18:33

Tgt Ion:173 Resp: 2419
Ion Ratio Lower Upper
173 100
175 616.8 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: VN078214.D

Acq: 14 Jun 2023 18:33

Instrument :

MSVOA_N

ClientSampleId :

FSND-MW-EVAL-2D-06132023

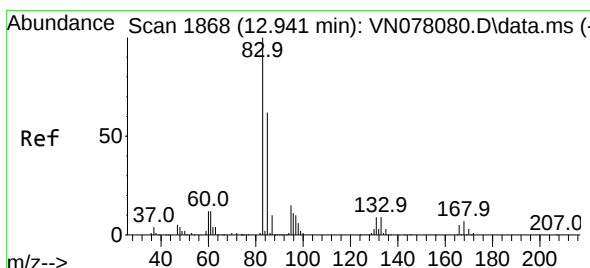
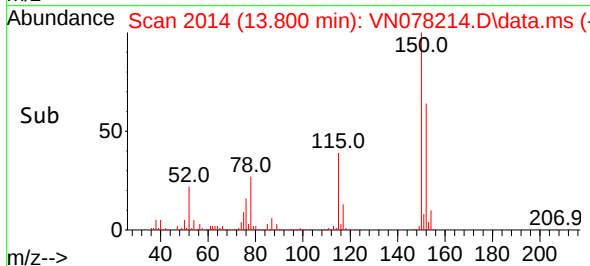
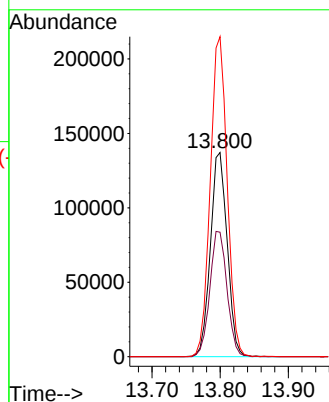
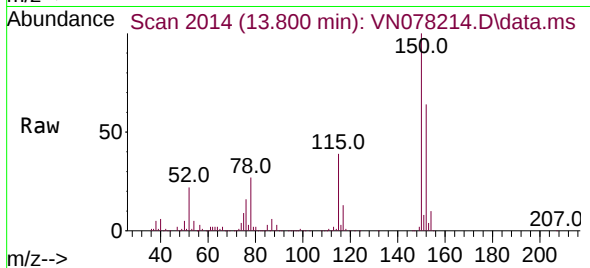
Tgt Ion:152 Resp: 235051

Ion Ratio Lower Upper

152 100

115 62.7 32.3 96.8

150 157.7 0.0 355.8



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.929 min Scan# 1866

Delta R.T. -0.012 min

Lab File: VN078214.D

Acq: 14 Jun 2023 18:33

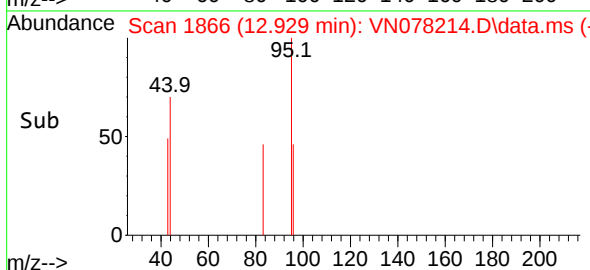
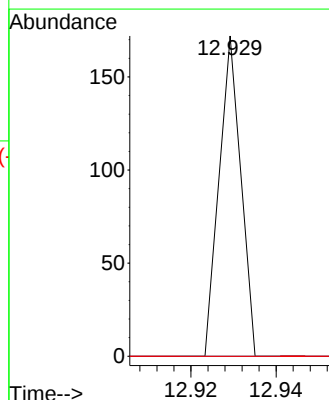
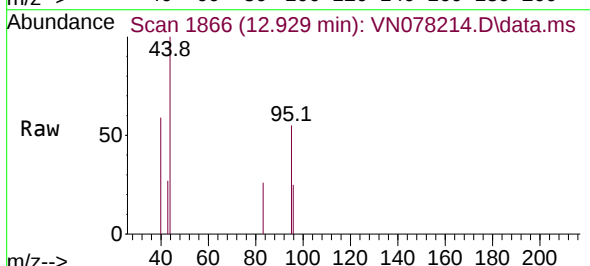
Tgt Ion: 83 Resp: 61

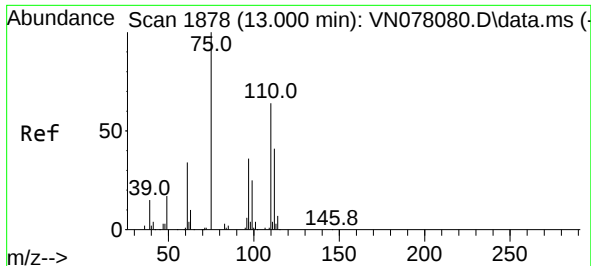
Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 0.0 31.9 95.7#

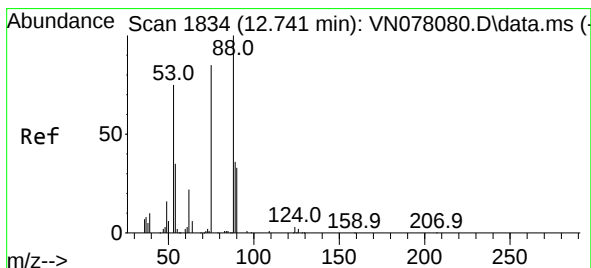
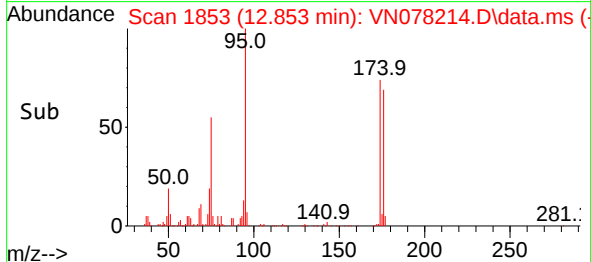
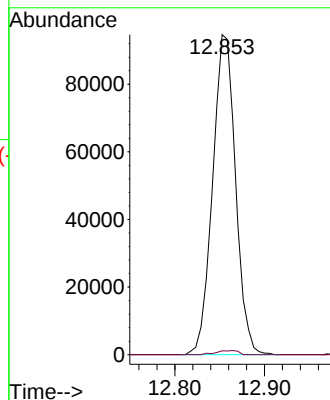
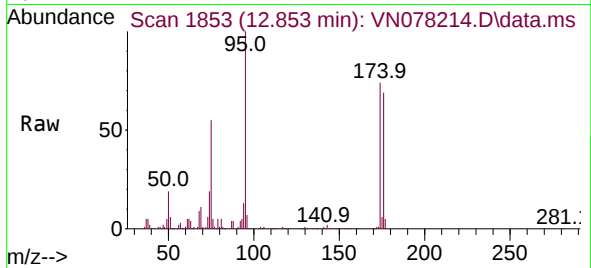




#76
1,2,3-Trichloropropane
Concen: 30.230 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078214.D
Acq: 14 Jun 2023 18:33

Instrument : MSVOA_N
ClientSampleId : FSND-MW-EVAL-2D-06132023

Tgt Ion: 75 Resp: 167979
Ion Ratio Lower Upper
75 100
77 1.2 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 92.876 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078214.D
Acq: 14 Jun 2023 18:33

Tgt Ion: 75 Resp: 167979
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#

