

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061423\
 Data File : VN078216.D
 Acq On : 14 Jun 2023 19:21
 Operator : JC\MD
 Sample : 03231-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FSND-MW-EVAL-3S-06122023

Quant Time: Jun 15 02:48:30 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)

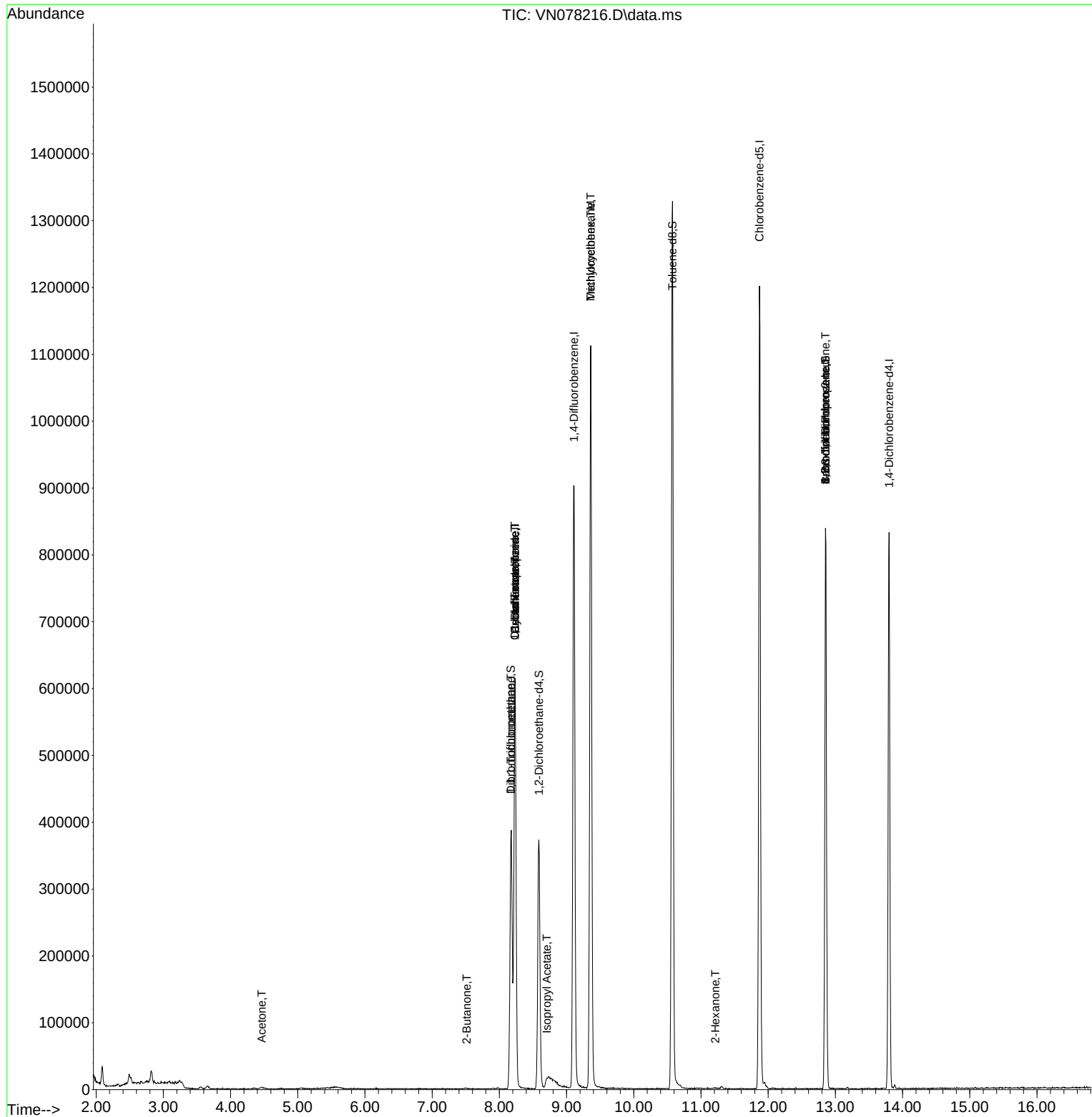
Internal Standards						
1) Pentafluorobenzene	8.235	168	439387	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	821714	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	719056	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	226898	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	313965	53.593	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.180%	
35) Dibromofluoromethane	8.171	113	276359	53.191	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.380%	
50) Toluene-d8	10.576	98	966872	48.272	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 96.540%	
62) 4-Bromofluorobenzene	12.853	95	297018	47.701	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 95.400%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	821	Below Cal	#	26
16) Acetone	4.465	43	3239	1.921	ug/l	94
25) 2-Butanone	7.512	43	756	0.292	ug/l #	37
31) Cyclohexane	8.235	56	10335	1.375	ug/l #	1
32) 1,1,1-Trichloroethane	8.171	97	3328	0.387	ug/l #	47
36) 1,1-Dichloropropene	8.230	75	37784	5.070	ug/l #	49
38) Carbon Tetrachloride	8.230	117	47151	5.992	ug/l #	16
39) Methylcyclohexane	9.359	83	5550	0.719	ug/l #	1
43) Isopropyl Acetate	8.706	43	8120	0.729	ug/l #	49
44) Trichloroethene	9.359	130	396353	67.457	ug/l	99
59) 2-Hexanone	11.212	43	1112	0.272	ug/l #	34
71) Bromoform	12.853	173	2839	0.777	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.859	83	447	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.853	75	161141	30.041	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	161141	92.297	ug/l #	15

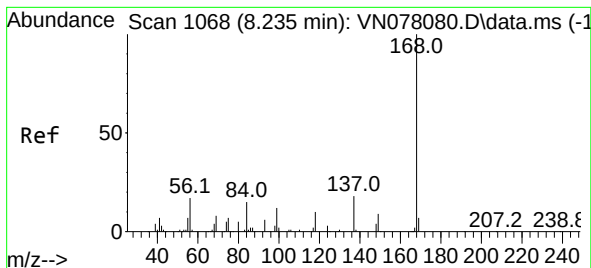
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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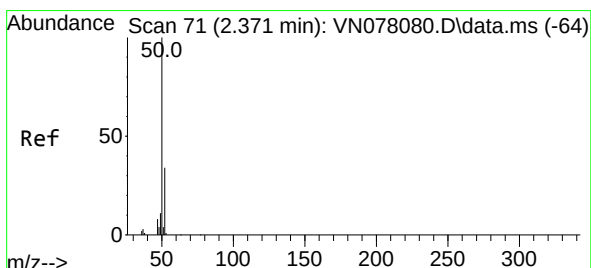
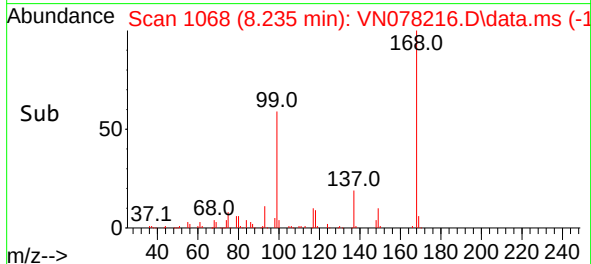
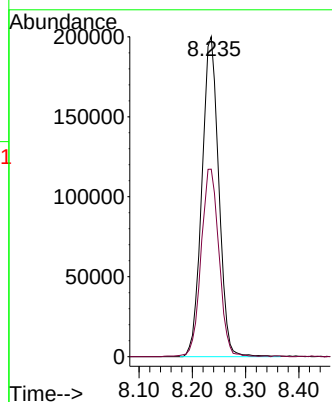
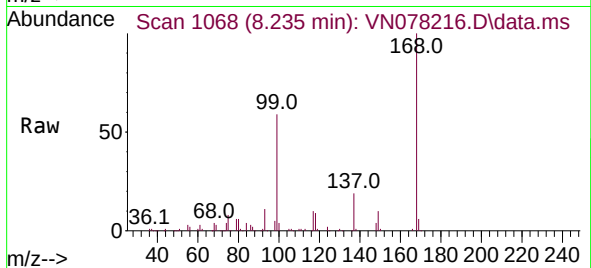




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN078216.D
Acq: 14 Jun 2023 19:21

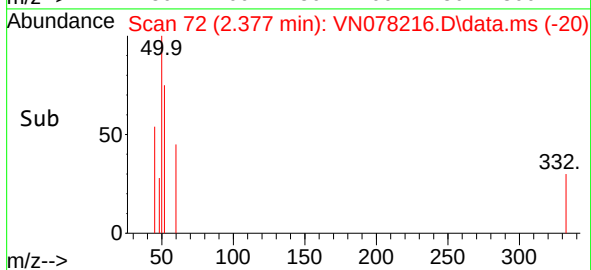
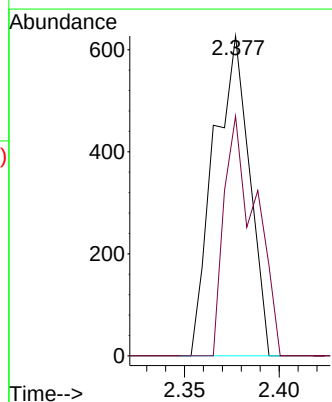
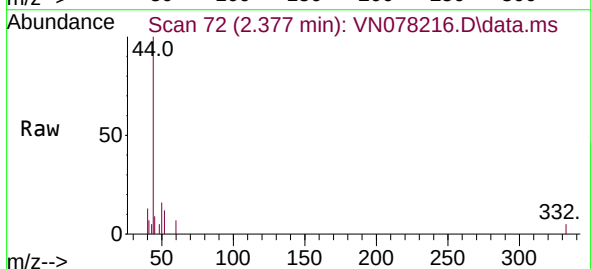
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-EVAL-3S-06122023

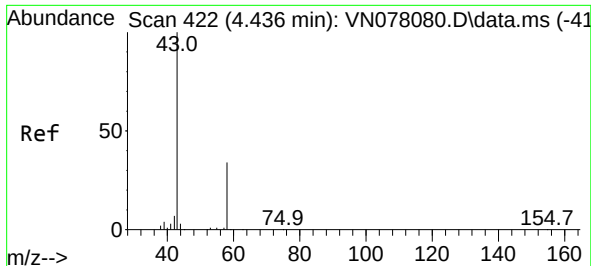
Tgt Ion:168 Resp: 439387
Ion Ratio Lower Upper
168 100
99 58.3 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.377 min Scan# 72
Delta R.T. 0.006 min
Lab File: VN078216.D
Acq: 14 Jun 2023 19:21

Tgt Ion: 50 Resp: 821
Ion Ratio Lower Upper
50 100
52 75.0 26.5 39.7#

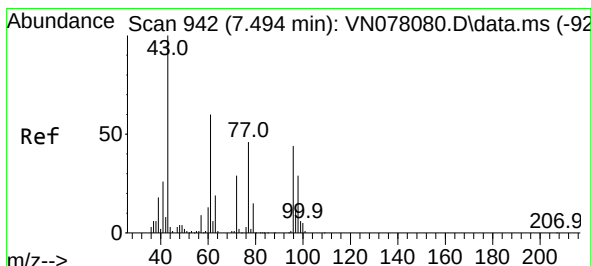
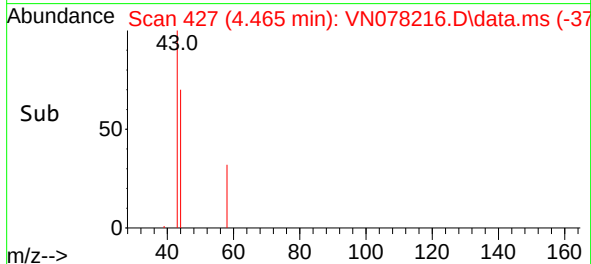
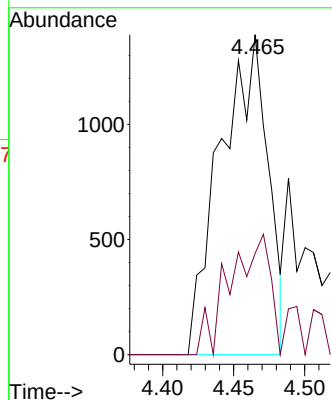
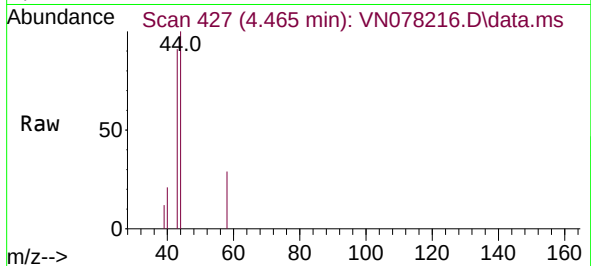




#16
Acetone
Concen: 1.921 ug/l
RT: 4.465 min Scan# 41
Delta R.T. 0.029 min
Lab File: VN078216.D
Acq: 14 Jun 2023 19:21

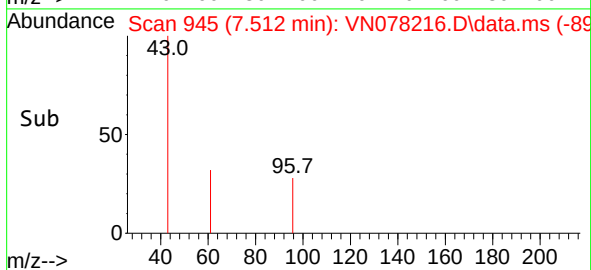
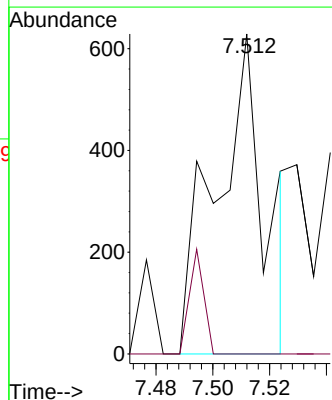
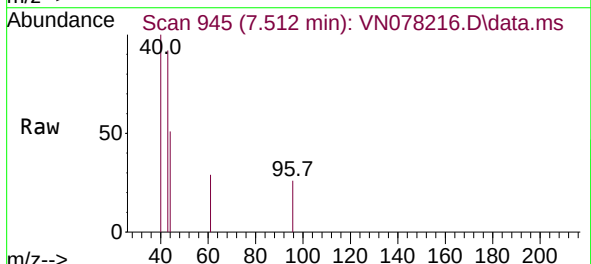
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-EVAL-3S-06122023

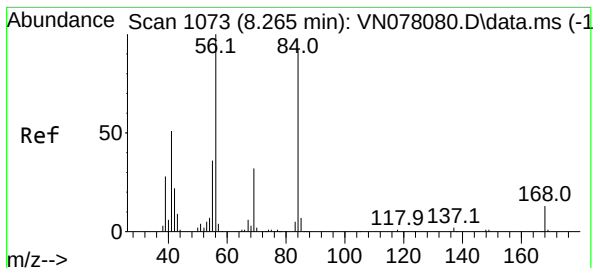
Tgt Ion: 43 Resp: 3239
Ion Ratio Lower Upper
43 100
58 31.6 28.0 42.0



#25
2-Butanone
Concen: 0.292 ug/l
RT: 7.512 min Scan# 945
Delta R.T. 0.018 min
Lab File: VN078216.D
Acq: 14 Jun 2023 19:21

Tgt Ion: 43 Resp: 756
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#





#31

Cyclohexane

Concen: 1.375 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.029 min

Lab File: VN078216.D

Acq: 14 Jun 2023 19:21

Instrument :

MSVOA_N

ClientSampleId :

FSND-MW-EVAL-3S-06122023

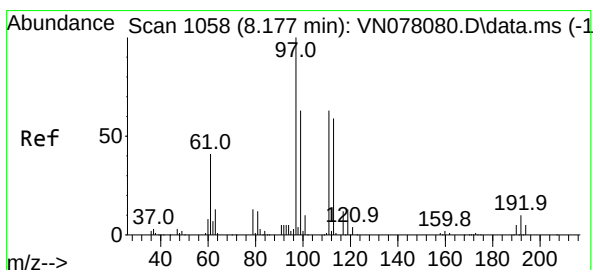
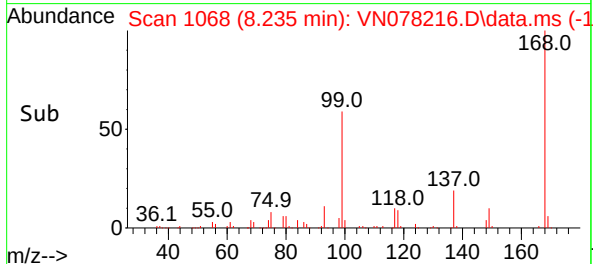
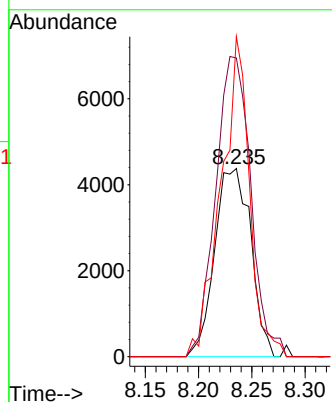
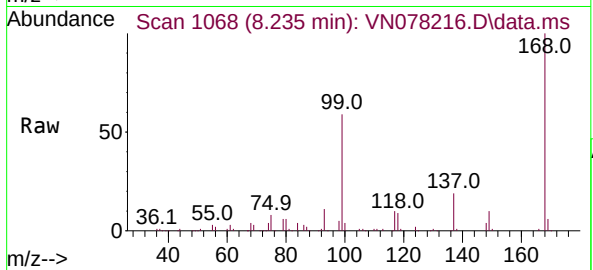
Tgt Ion: 56 Resp: 10335

Ion Ratio Lower Upper

56 100

69 158.7 26.8 40.2#

84 170.0 81.8 122.6#



#32

1,1,1-Trichloroethane

Concen: 0.387 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VN078216.D

Acq: 14 Jun 2023 19:21

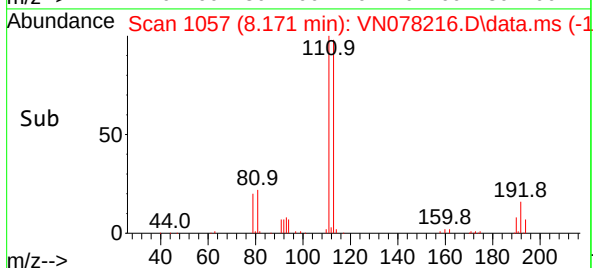
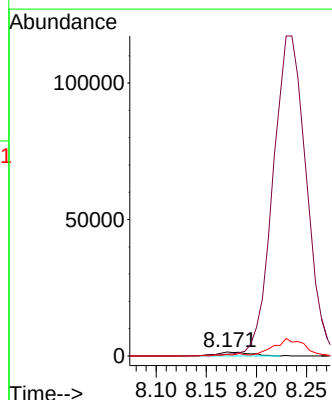
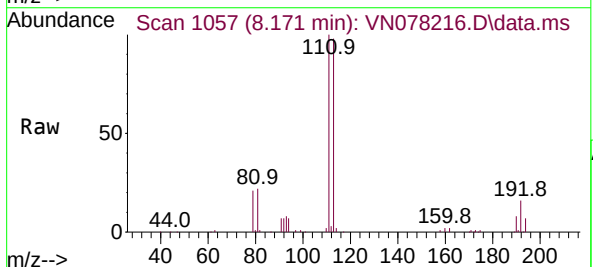
Tgt Ion: 97 Resp: 3328

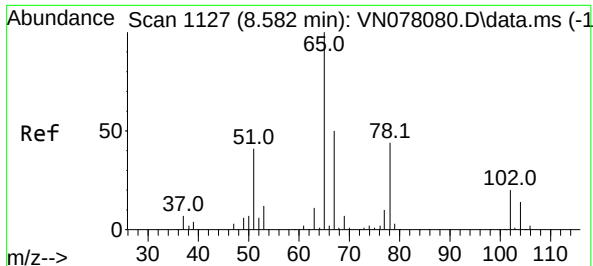
Ion Ratio Lower Upper

97 100

99 0.0 50.3 75.5#

61 35.7 34.7 52.1





#33

1,2-Dichloroethane-d4

Concen: 53.593 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VN078216.D

Acq: 14 Jun 2023 19:21

Instrument :

MSVOA_N

ClientSampleId :

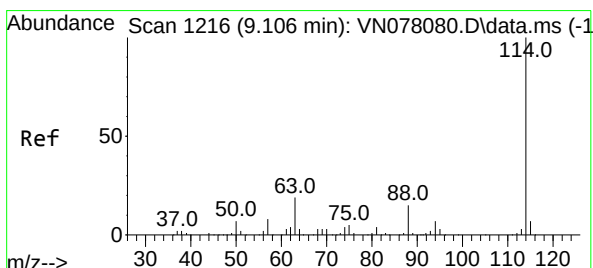
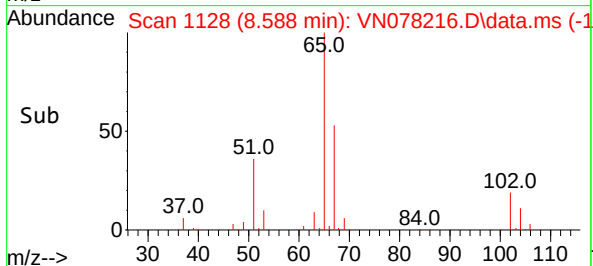
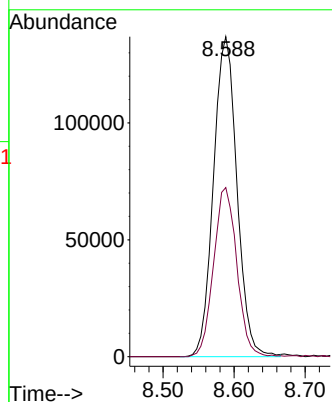
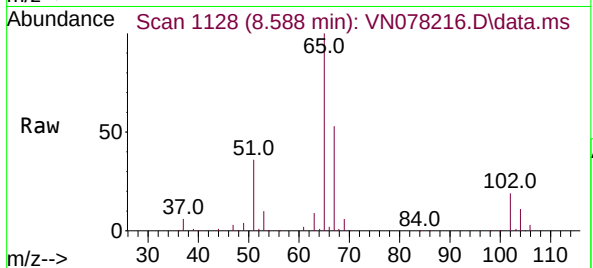
FSND-MW-EVAL-3S-06122023

Tgt Ion: 65 Resp: 313965

Ion Ratio Lower Upper

65 100

67 52.3 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: VN078216.D

Acq: 14 Jun 2023 19:21

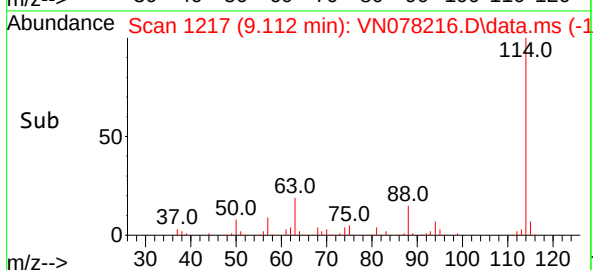
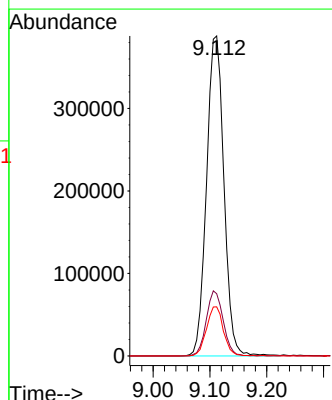
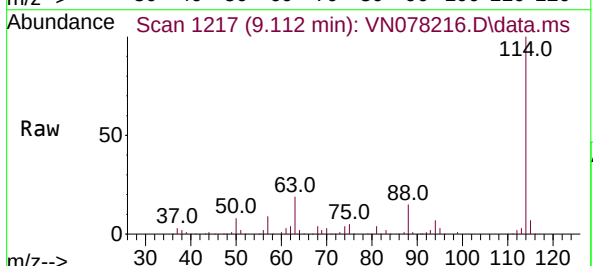
Tgt Ion: 114 Resp: 821714

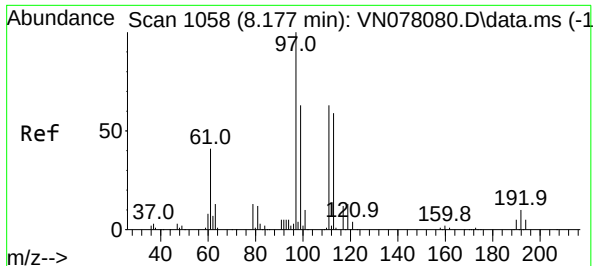
Ion Ratio Lower Upper

114 100

63 19.5 0.0 36.4

88 15.4 0.0 30.6





#35

Dibromofluoromethane

Concen: 53.191 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VN078216.D

Acq: 14 Jun 2023 19:21

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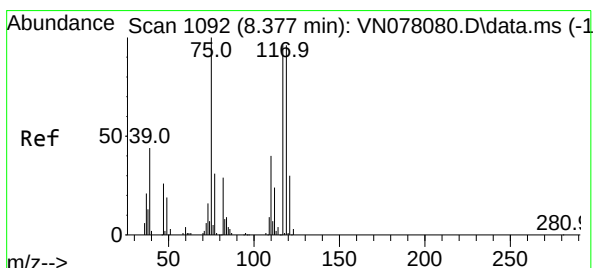
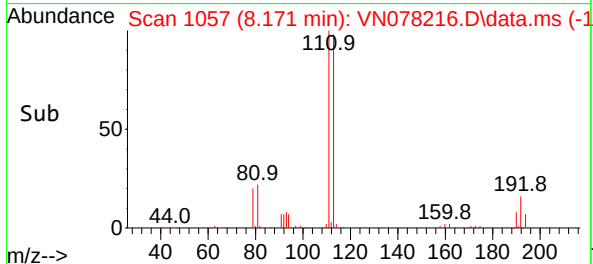
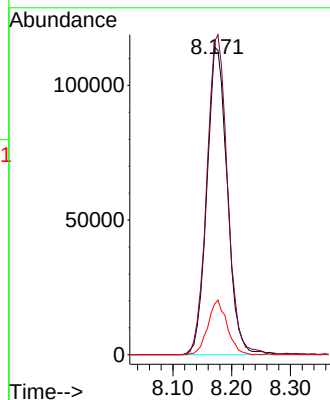
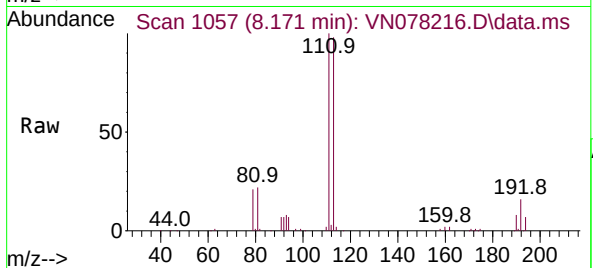
Tgt Ion:113 Resp: 276359

Ion Ratio Lower Upper

113 100

111 105.1 82.6 123.8

192 16.7 12.7 19.1



#36

1,1-Dichloropropene

Concen: 5.070 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN078216.D

Acq: 14 Jun 2023 19:21

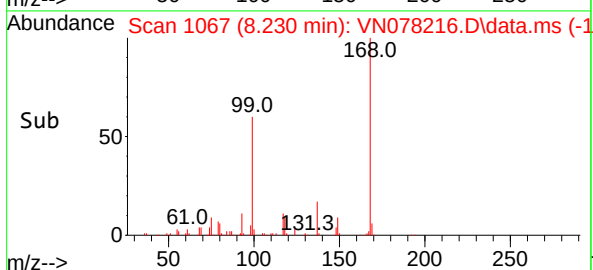
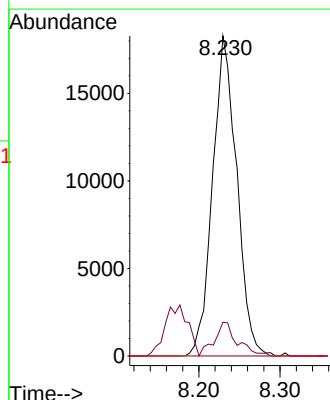
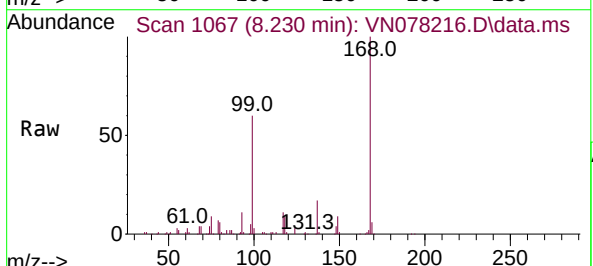
Tgt Ion: 75 Resp: 37784

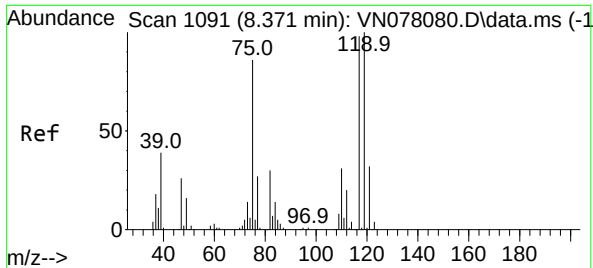
Ion Ratio Lower Upper

75 100

110 10.0 19.1 57.3#

77 0.0 25.0 37.4#

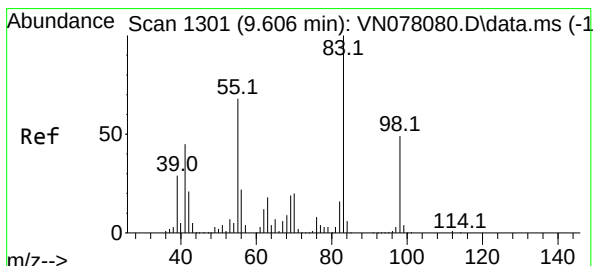
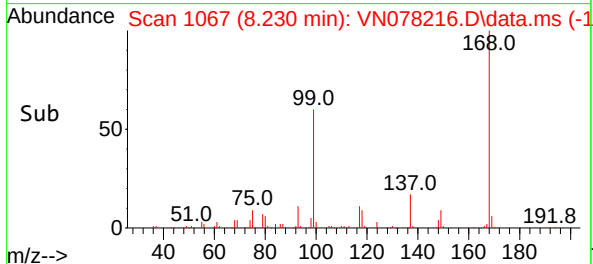
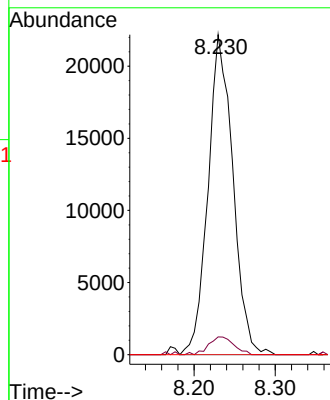
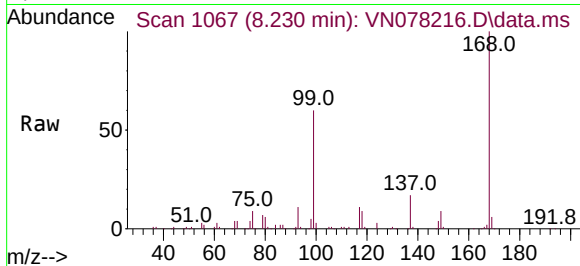




#38
Carbon Tetrachloride
Concen: 5.992 ug/l
RT: 8.230 min Scan# 11
Delta R.T. -0.141 min
Lab File: VN078216.D
Acq: 14 Jun 2023 19:21

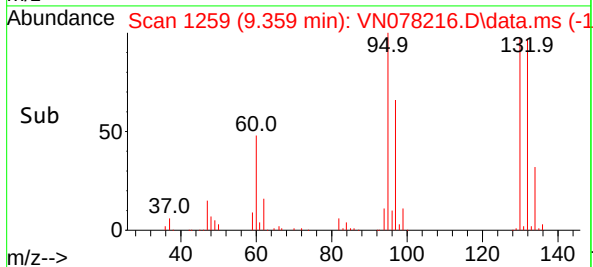
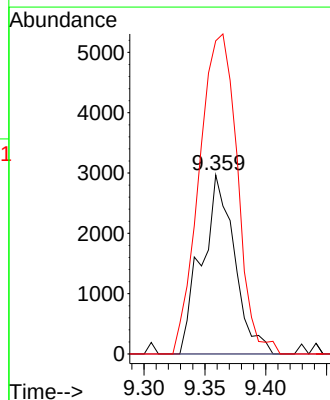
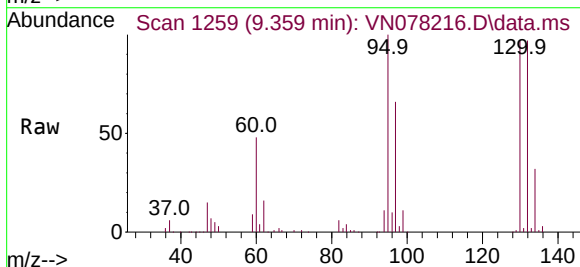
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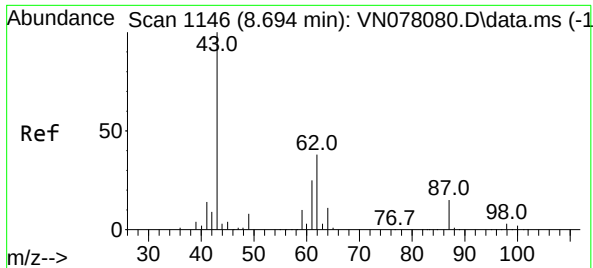
Tgt Ion:117 Resp: 47151
Ion Ratio Lower Upper
117 100
119 5.5 77.3 115.9#
121 0.0 23.3 34.9#



#39
Methylcyclohexane
Concen: 0.719 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.247 min
Lab File: VN078216.D
Acq: 14 Jun 2023 19:21

Tgt Ion: 83 Resp: 5550
Ion Ratio Lower Upper
83 100
55 0.0 49.1 73.7#
98 174.8 40.6 61.0#





#43

Isopropyl Acetate

Concen: 0.729 ug/l

RT: 8.706 min Scan# 1148

Delta R.T. 0.012 min

Lab File: VN078216.D

Acq: 14 Jun 2023 19:21

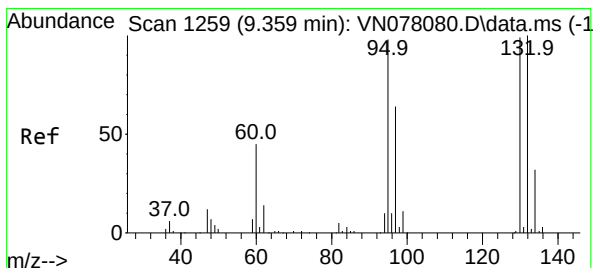
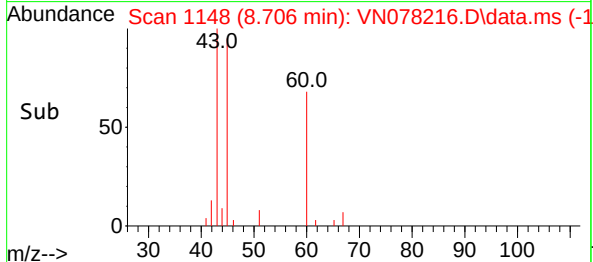
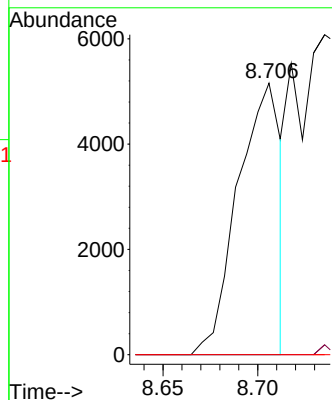
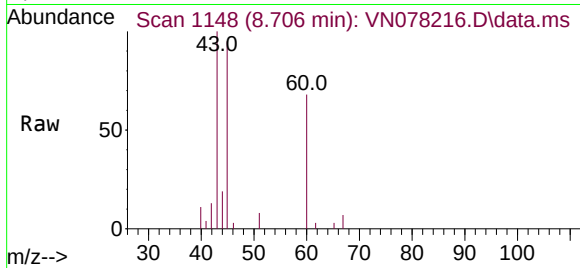
Instrument :

MSVOA_N

ClientSampleId :

FSND-MW-EVAL-3S-06122023

Tgt Ion: 43	Resp:	8120
Ion Ratio	Lower	Upper
43	100	
61	0.0	24.7 37.1#
87	0.0	14.6 21.8#



#44

Trichloroethene

Concen: 67.457 ug/l

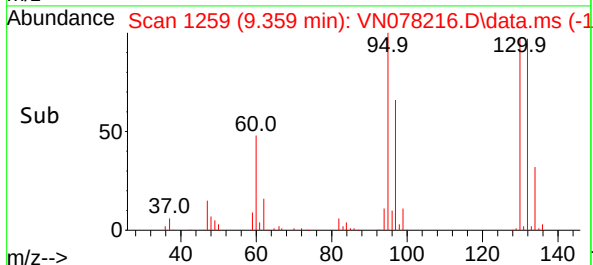
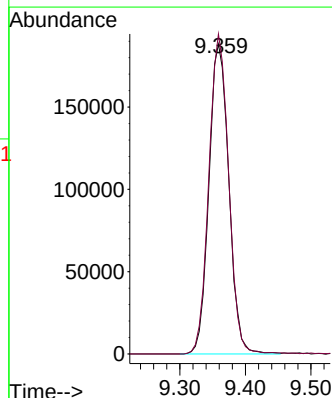
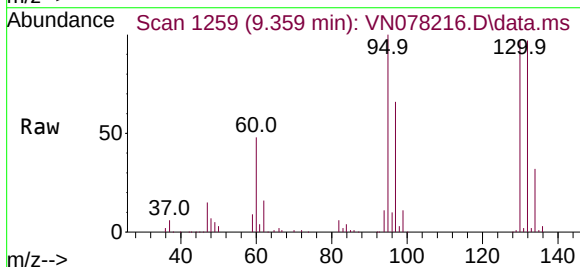
RT: 9.359 min Scan# 1259

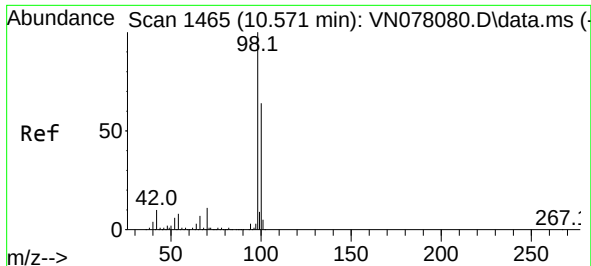
Delta R.T. -0.000 min

Lab File: VN078216.D

Acq: 14 Jun 2023 19:21

Tgt Ion: 130	Resp:	396353
Ion Ratio	Lower	Upper
130	100	
95	103.2	0.0 204.6

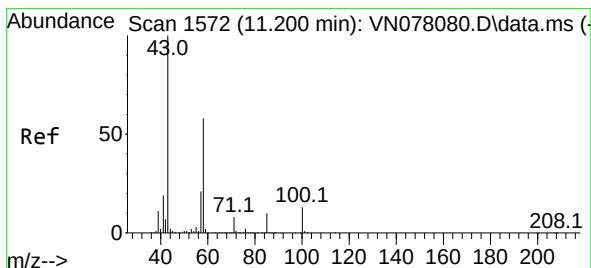
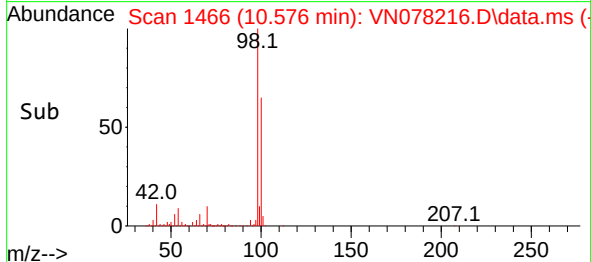
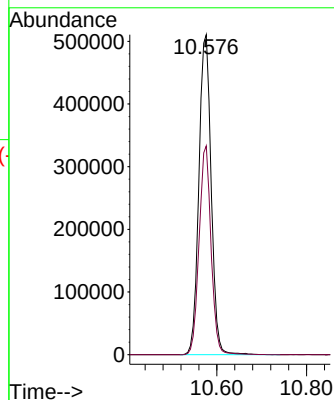
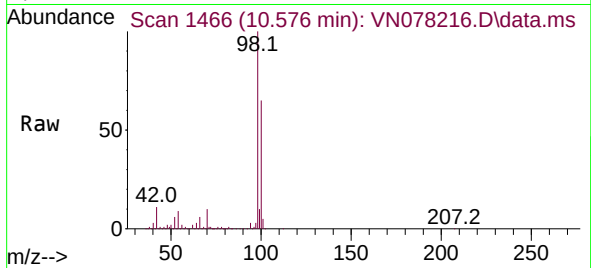




#50
Toluene-d8
Concen: 48.272 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VN078216.D
Acq: 14 Jun 2023 19:21

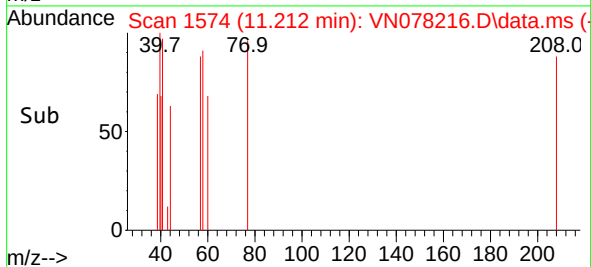
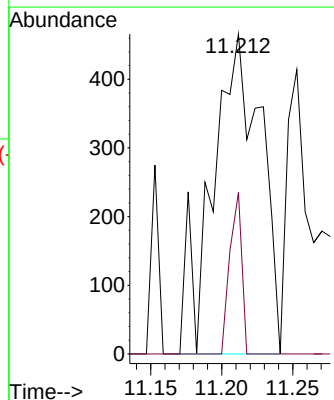
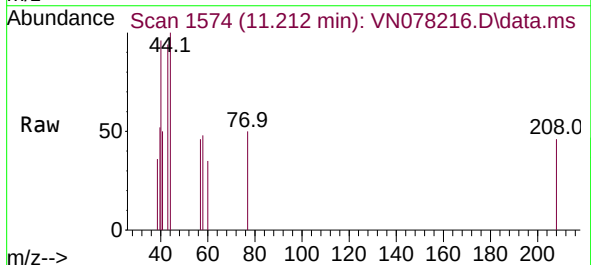
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-EVAL-3S-06122023

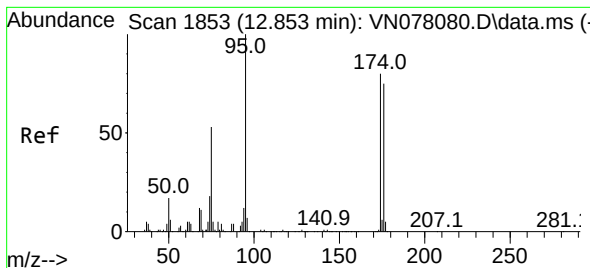
Tgt Ion: 98 Resp: 966872
Ion Ratio Lower Upper
98 100
100 63.6 52.0 78.0



#59
2-Hexanone
Concen: 0.272 ug/l
RT: 11.212 min Scan# 1574
Delta R.T. 0.012 min
Lab File: VN078216.D
Acq: 14 Jun 2023 19:21

Tgt Ion: 43 Resp: 1112
Ion Ratio Lower Upper
43 100
58 12.2 31.7 95.1#

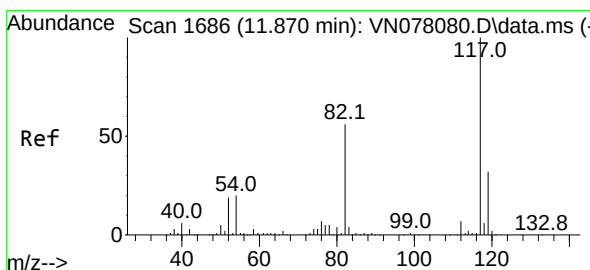
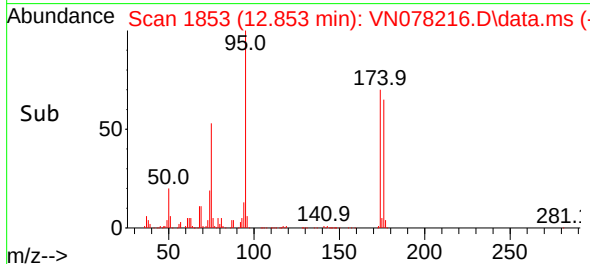
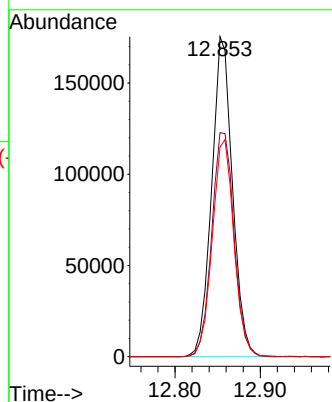
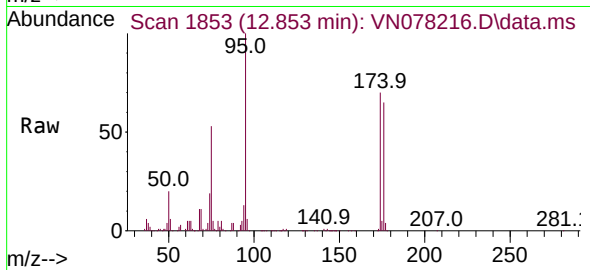




#62
4-Bromofluorobenzene
Concen: 47.701 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078216.D
Acq: 14 Jun 2023 19:21

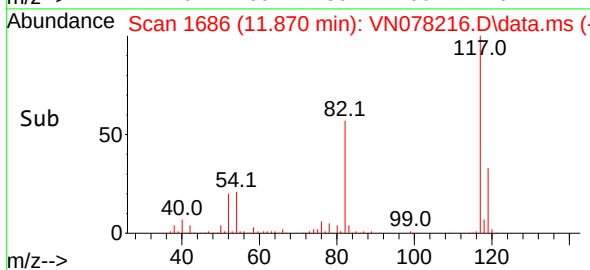
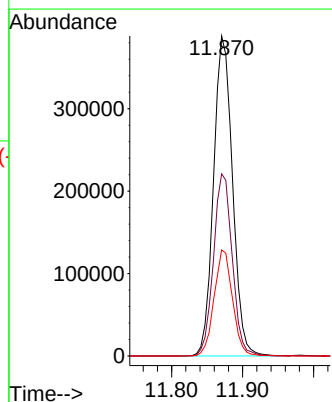
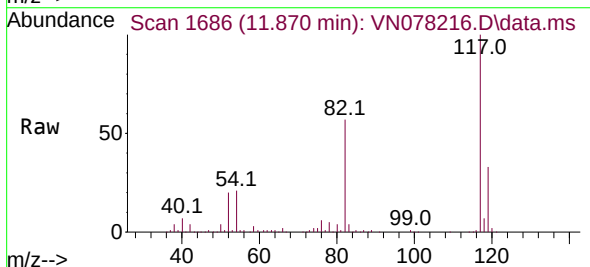
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-EVAL-3S-06122023

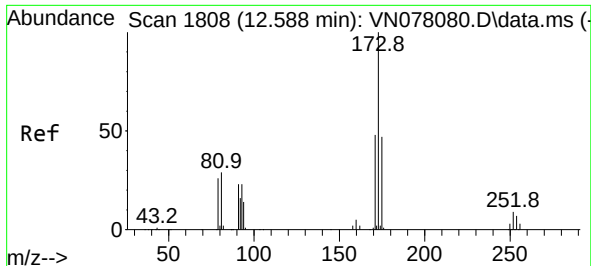
Tgt Ion: 95 Resp: 297018
Ion Ratio Lower Upper
95 100
174 75.2 0.0 143.8
176 70.5 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN078216.D
Acq: 14 Jun 2023 19:21

Tgt Ion: 117 Resp: 719056
Ion Ratio Lower Upper
117 100
82 56.9 44.0 66.0
119 33.1 25.6 38.4

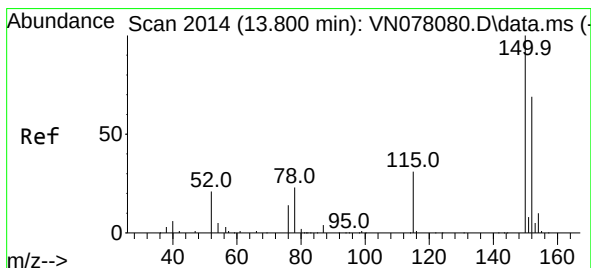
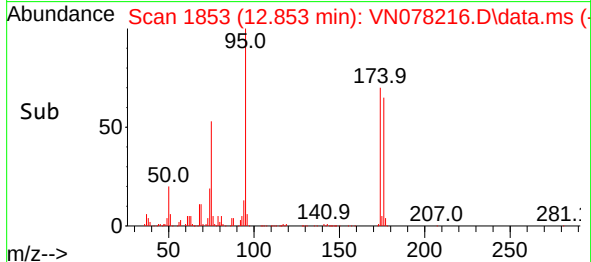
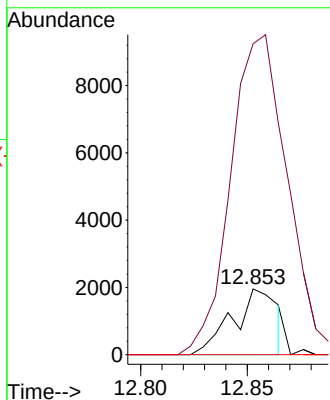
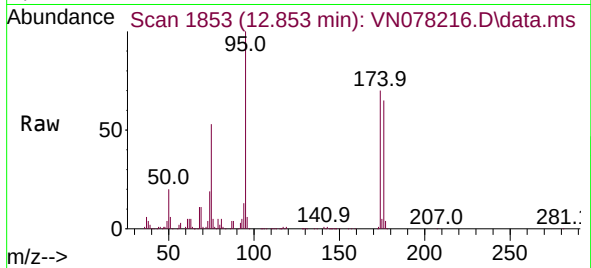




#71
Bromoform
Concen: 0.777 ug/l
RT: 12.853 min Scan# 1808
Delta R.T. 0.265 min
Lab File: VN078216.D
Acq: 14 Jun 2023 19:21

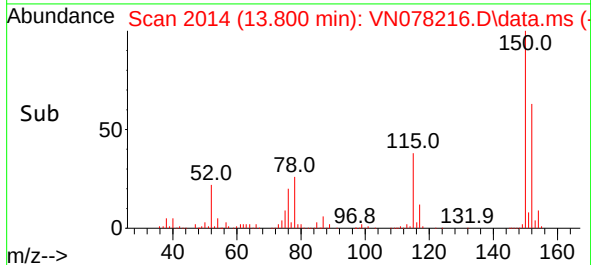
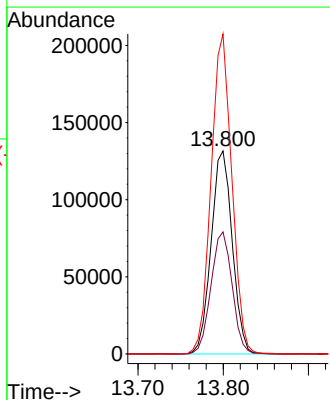
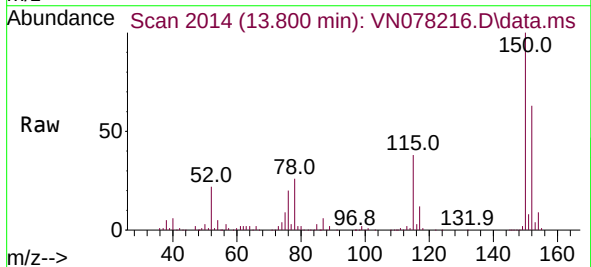
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-EVAL-3S-06122023

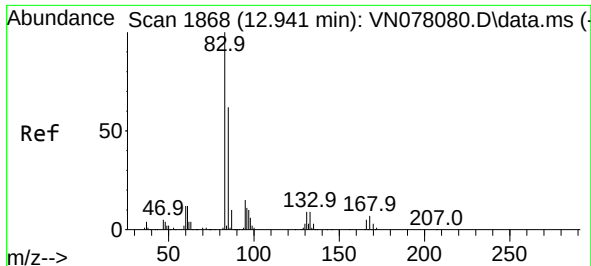
Tgt Ion:173 Resp: 2839
Ion Ratio Lower Upper
173 100
175 511.7 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN078216.D
Acq: 14 Jun 2023 19:21

Tgt Ion:152 Resp: 226898
Ion Ratio Lower Upper
152 100
115 60.2 32.3 96.8
150 154.5 0.0 355.8

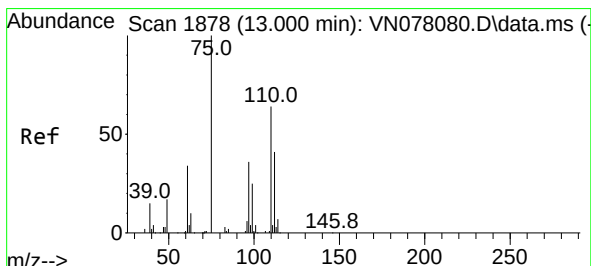
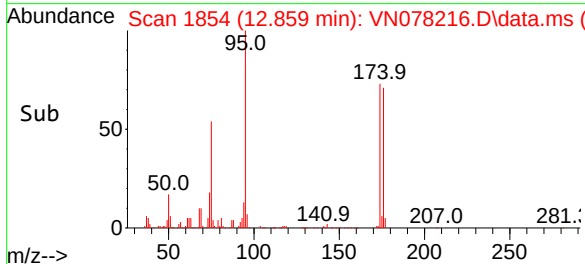
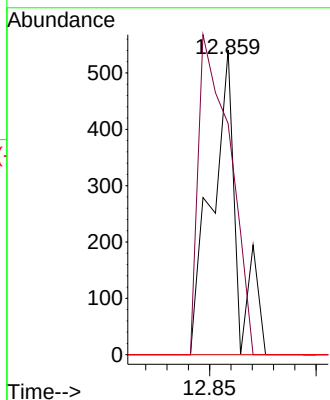
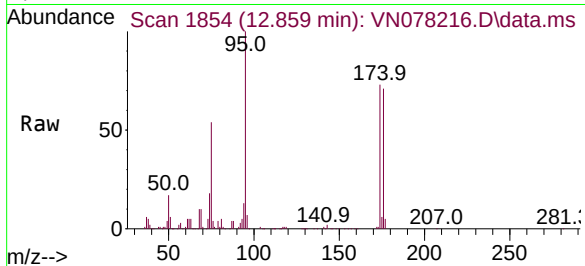




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.859 min Scan# 1854
Delta R.T. -0.082 min
Lab File: VN078216.D
Acq: 14 Jun 2023 19:21

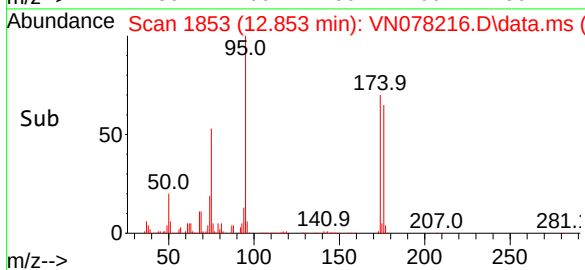
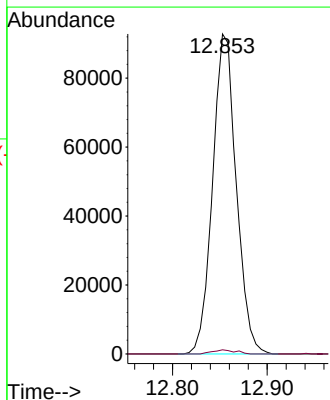
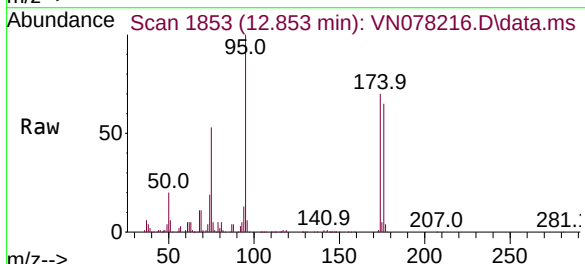
Instrument : MSVOA_N
ClientSampleId : FSND-MW-EVAL-3S-06122023

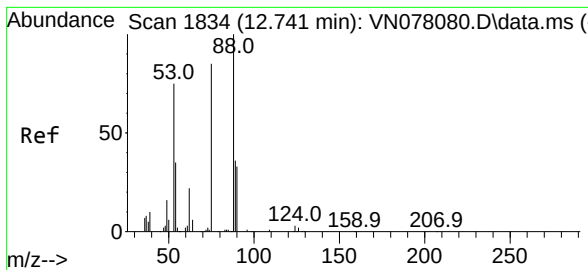
Tgt Ion: 83 Resp: 447
Ion Ratio Lower Upper
83 100
131 131.1 5.0 15.0#
85 0.0 31.9 95.7#



#76
1,2,3-Trichloropropane
Concen: 30.041 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078216.D
Acq: 14 Jun 2023 19:21

Tgt Ion: 75 Resp: 161141
Ion Ratio Lower Upper
75 100
77 1.2 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 92.297 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN078216.D
 Acq: 14 Jun 2023 19:21

Instrument :
 MSVOA_N
 ClientSampleId :
 FSND-MW-EVAL-3S-06122023

Tgt Ion: 75 Resp: 161141
 Ion Ratio Lower Upper
 75 100
 53 0.1 67.4 101.2#
 89 0.0 38.8 58.2#

