

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061423\
 Data File : VN078217.D
 Acq On : 14 Jun 2023 19:45
 Operator : JC\MD
 Sample : 03231-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FSND-MW-EVAL-1D-06132023

Quant Time: Jun 15 02:48:50 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)

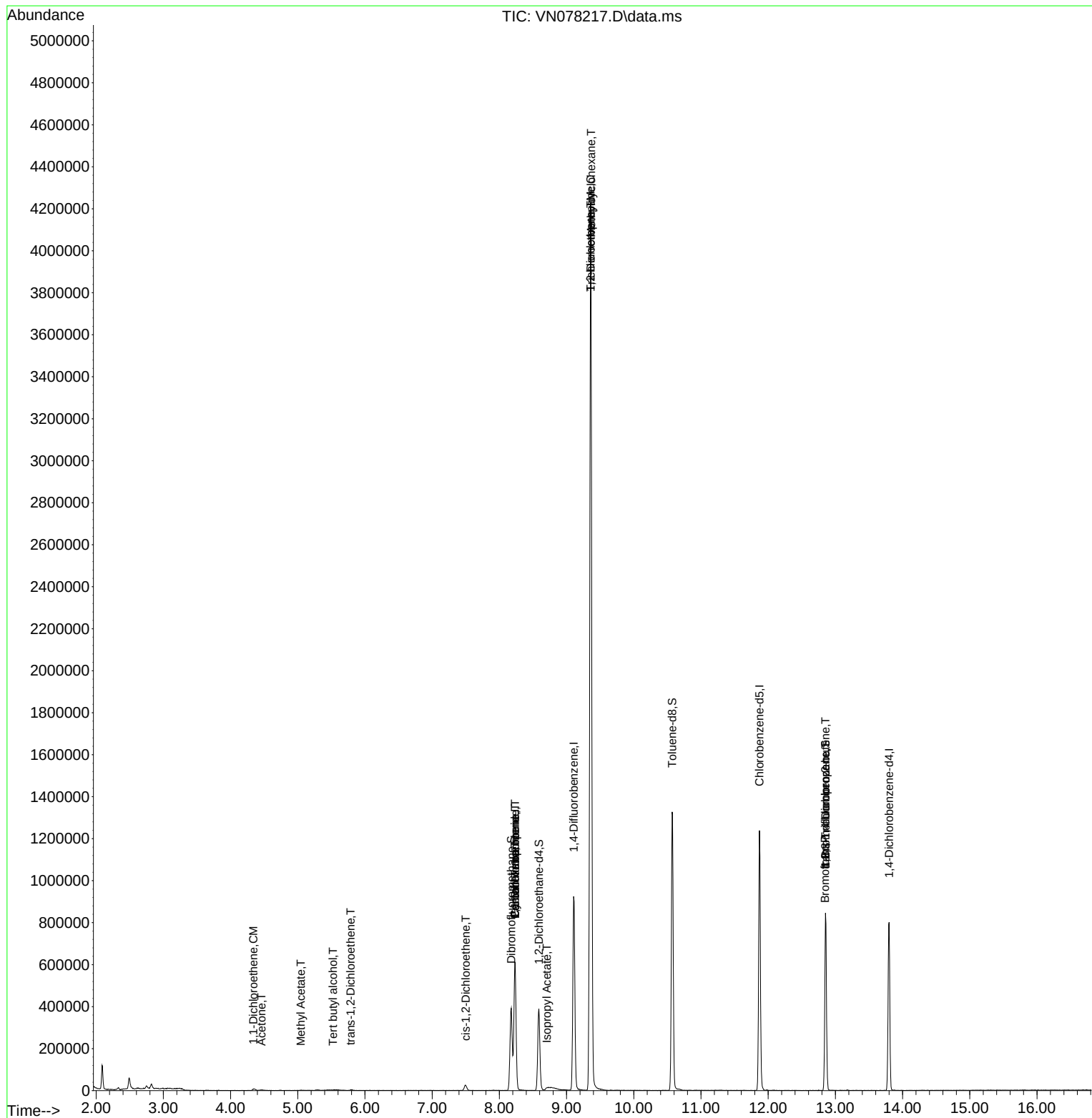
Internal Standards						
1) Pentafluorobenzene	8.235	168	435579	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	822189	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	720060	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	226189	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	318012	54.758	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.520%	
35) Dibromofluoromethane	8.177	113	284910	54.805	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 109.620%	
50) Toluene-d8	10.570	98	976935	48.747	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 97.500%	
62) 4-Bromofluorobenzene	12.853	95	298086	47.845	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 95.680%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.383	50	1045	Below Cal	#	42
11) Tert butyl alcohol	5.524	59	360	0.449	ug/l #	72
12) 1,1-Dichloroethene	4.341	96	2802	0.589	ug/l #	74
16) Acetone	4.459	43	3777	2.259	ug/l #	84
18) Methyl Acetate	5.047	43	1954	0.254	ug/l #	57
21) trans-1,2-Dichloroethene	5.788	96	1244	0.242	ug/l #	83
27) cis-1,2-Dichloroethene	7.500	96	14777	2.415	ug/l	96
31) Cyclohexane	8.229	56	10652	1.430	ug/l #	51
36) 1,1-Dichloropropene	8.235	75	37508	5.030	ug/l #	49
38) Carbon Tetrachloride	8.235	117	49580	6.297	ug/l #	15
39) Methylcyclohexane	9.365	83	20398	2.640	ug/l #	1
43) Isopropyl Acetate	8.706	43	6441	0.578	ug/l #	49
44) Trichloroethene	9.359	130	1487049	252.941	ug/l	99
45) 1,2-Dichloropropane	9.359	63	3851	0.695	ug/l #	1
71) Bromoform	12.847	173	2204	0.602	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.847	83	600	Below Cal	#	17
76) 1,2,3-Trichloropropane	12.853	75	161967	30.290	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	161967	93.061	ug/l #	15

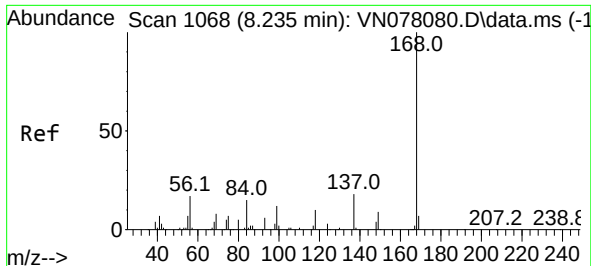
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jun 07 05:05:00 2023
Response via : Initial Calibration

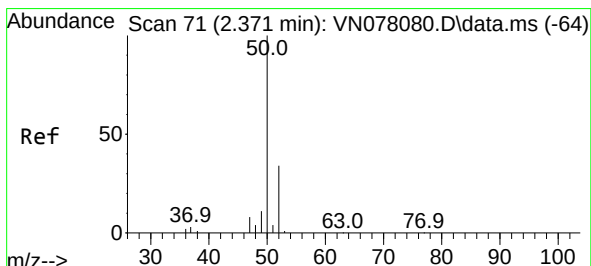
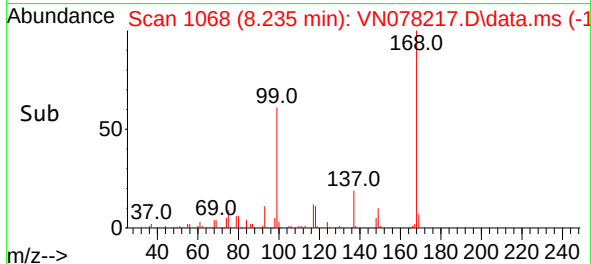
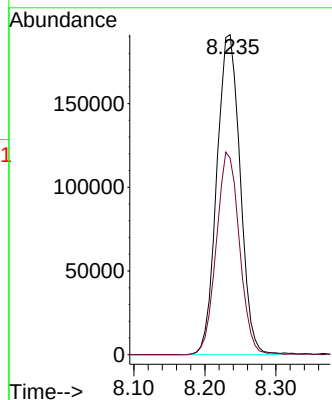
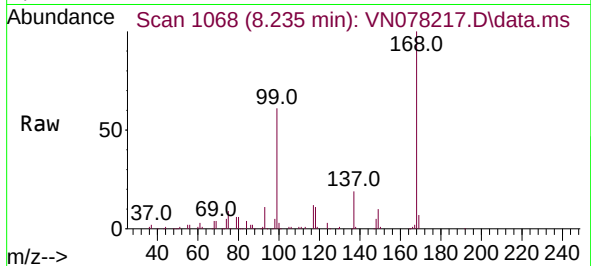




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN078217.D
Acq: 14 Jun 2023 19:45

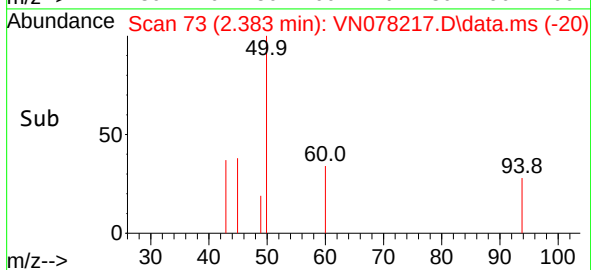
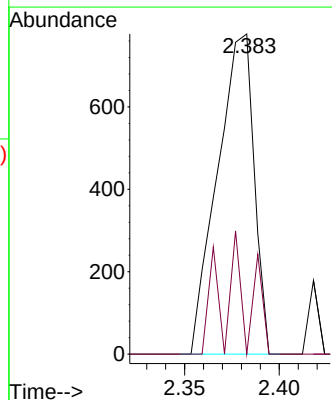
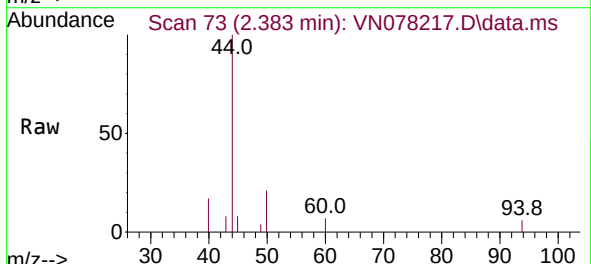
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-EVAL-1D-06132023

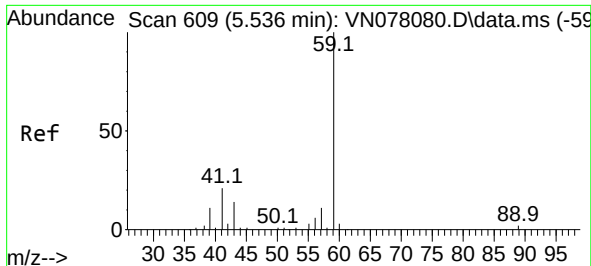
Tgt Ion:168 Resp: 435579
Ion Ratio Lower Upper
168 100
99 61.4 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.383 min Scan# 73
Delta R.T. 0.012 min
Lab File: VN078217.D
Acq: 14 Jun 2023 19:45

Tgt Ion: 50 Resp: 1045
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

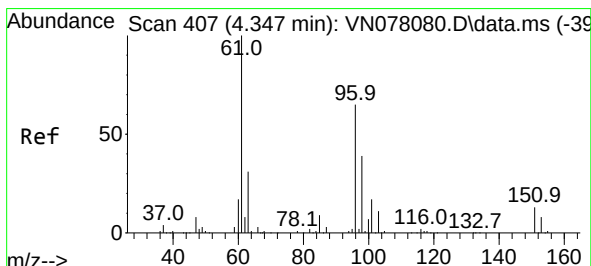
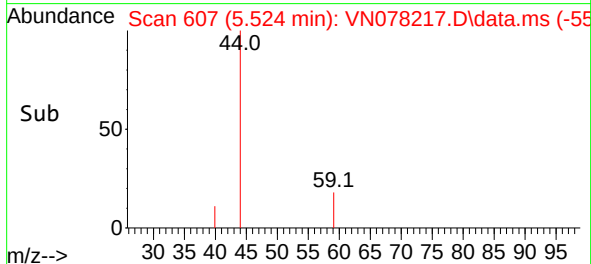
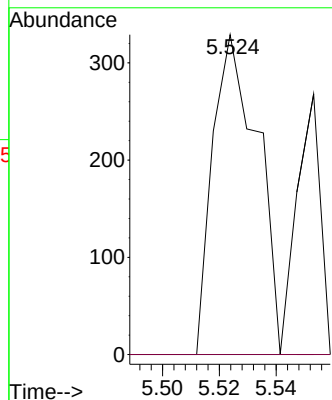
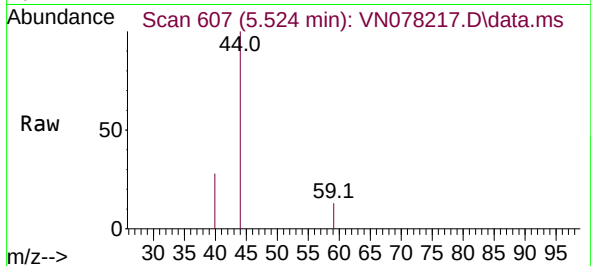




#11
Tert butyl alcohol
Concen: 0.449 ug/l
RT: 5.524 min Scan# 609
Delta R.T. -0.012 min
Lab File: VN078217.D
Acq: 14 Jun 2023 19:45

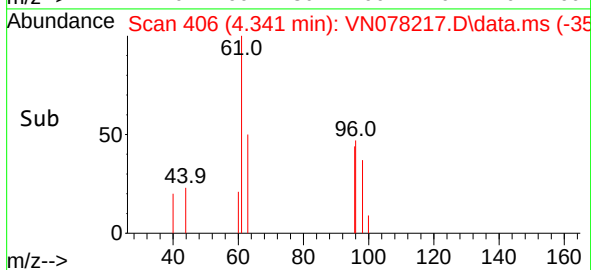
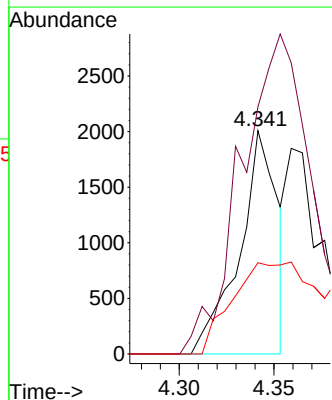
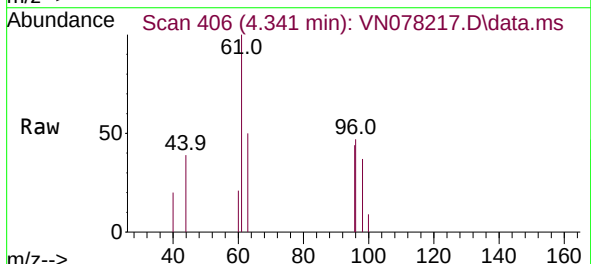
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-EVAL-1D-06132023

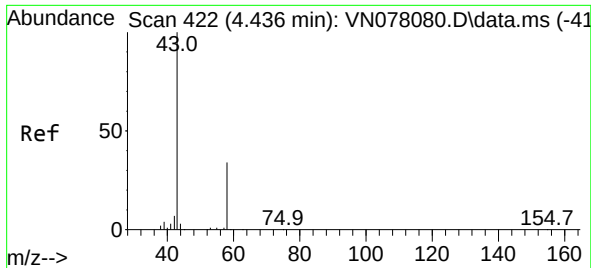
Tgt Ion: 59 Resp: 360
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#12
1,1-Dichloroethene
Concen: 0.589 ug/l
RT: 4.341 min Scan# 406
Delta R.T. -0.006 min
Lab File: VN078217.D
Acq: 14 Jun 2023 19:45

Tgt Ion: 96 Resp: 2802
Ion Ratio Lower Upper
96 100
61 110.7 112.7 169.1#
98 40.9 51.2 76.8#

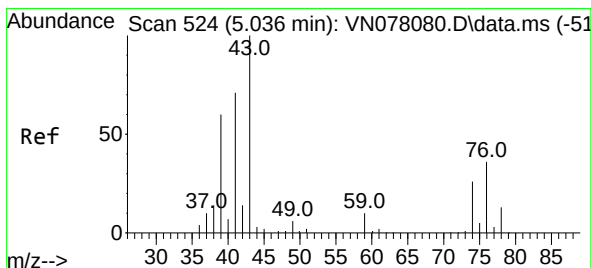
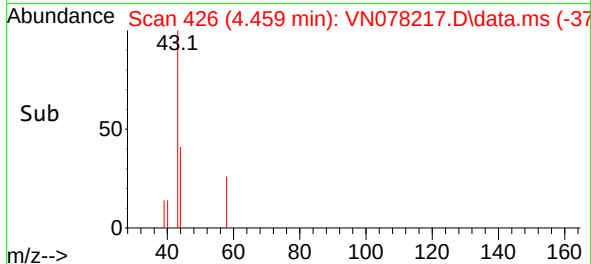
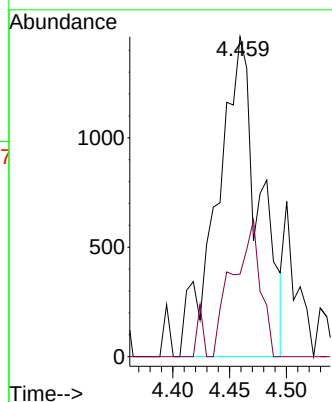
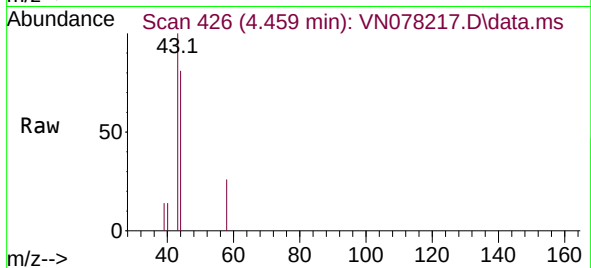




#16
Acetone
Concen: 2.259 ug/l
RT: 4.459 min Scan# 431
Delta R.T. 0.023 min
Lab File: VN078217.D
Acq: 14 Jun 2023 19:45

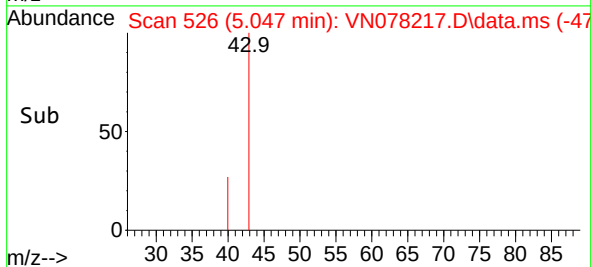
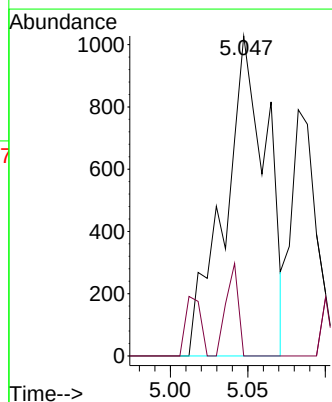
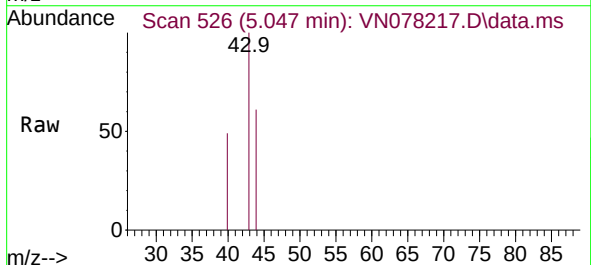
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-EVAL-1D-06132023

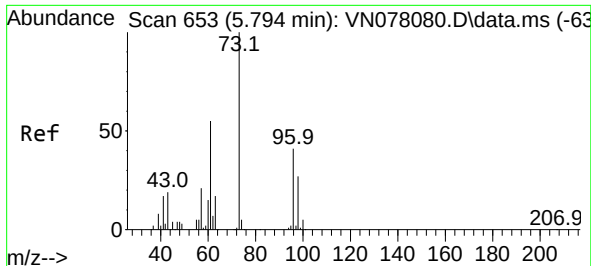
Tgt Ion: 43 Resp: 3777
Ion Ratio Lower Upper
43 100
58 25.8 28.0 42.0#



#18
Methyl Acetate
Concen: 0.254 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.012 min
Lab File: VN078217.D
Acq: 14 Jun 2023 19:45

Tgt Ion: 43 Resp: 1954
Ion Ratio Lower Upper
43 100
74 8.4 26.2 39.4#

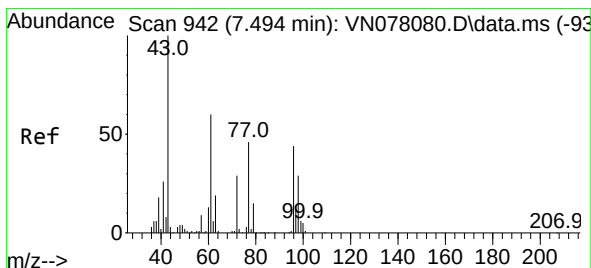
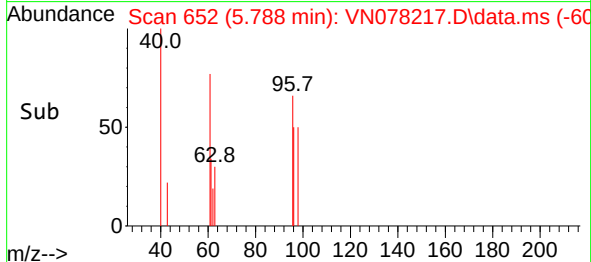
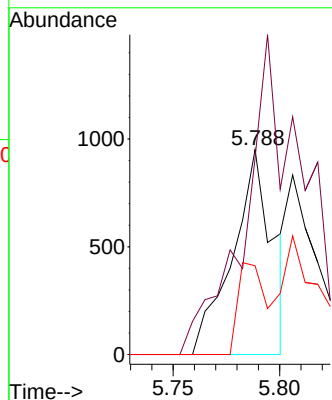
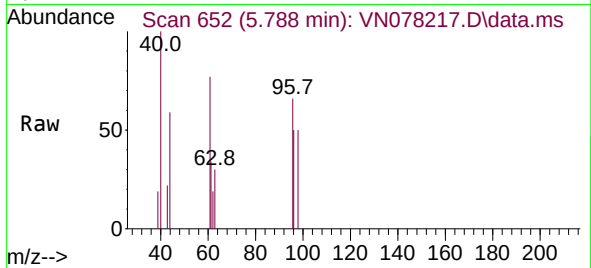




#21
trans-1,2-Dichloroethene
Concen: 0.242 ug/l
RT: 5.788 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN078217.D
Acq: 14 Jun 2023 19:45

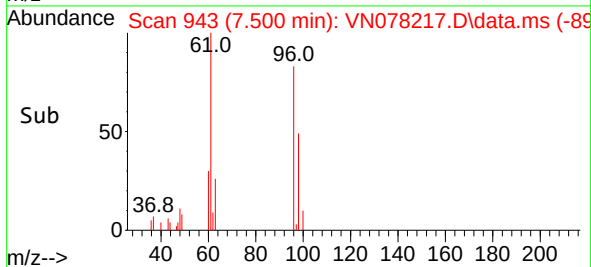
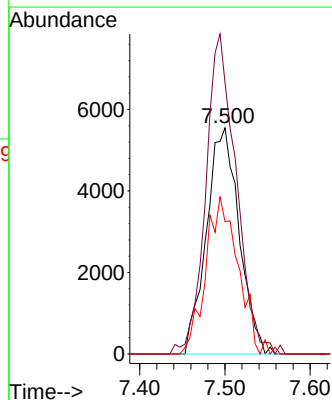
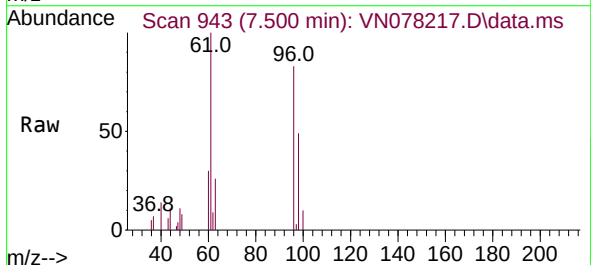
Instrument :
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ClientSampleId :
FSND-MW-EVAL-1D-06132023

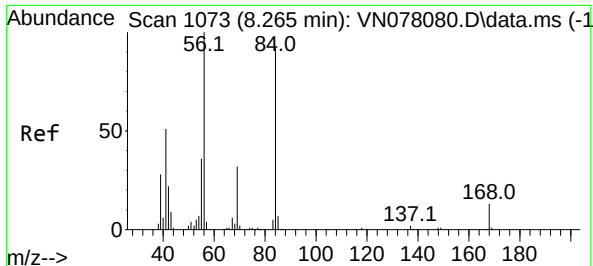
Tgt Ion: 96 Resp: 1244
Ion Ratio Lower Upper
96 100
61 95.8 90.1 135.1
98 43.3 46.4 69.6#



#27
cis-1,2-Dichloroethene
Concen: 2.415 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN078217.D
Acq: 14 Jun 2023 19:45

Tgt Ion: 96 Resp: 14777
Ion Ratio Lower Upper
96 100
61 131.9 0.0 255.2
98 67.9 0.0 128.8

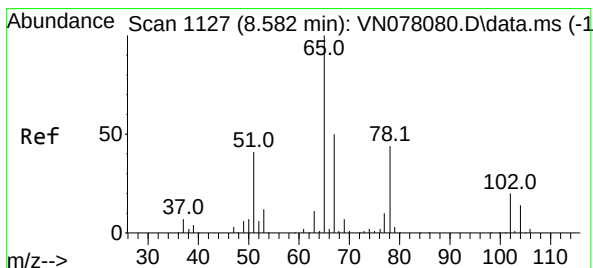
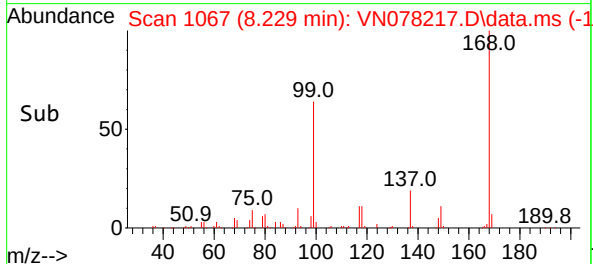
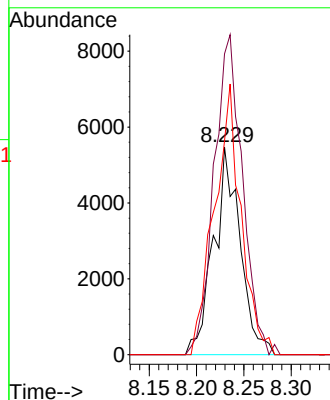
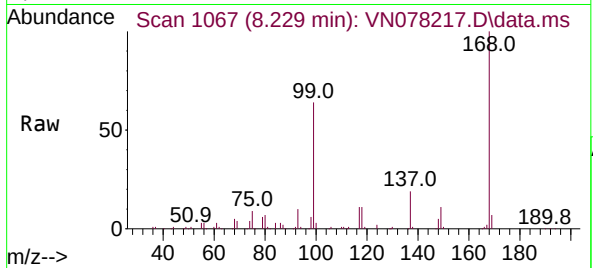




#31
Cyclohexane
Concen: 1.430 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN078217.D
Acq: 14 Jun 2023 19:45

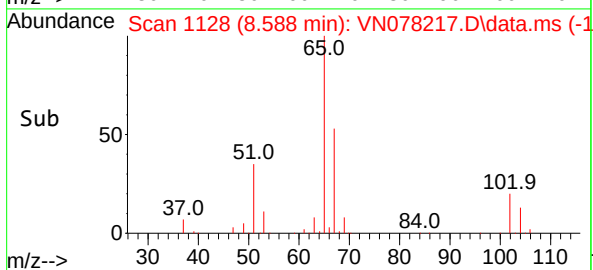
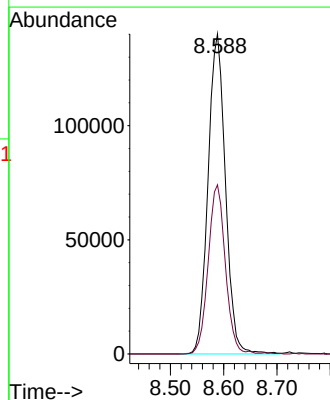
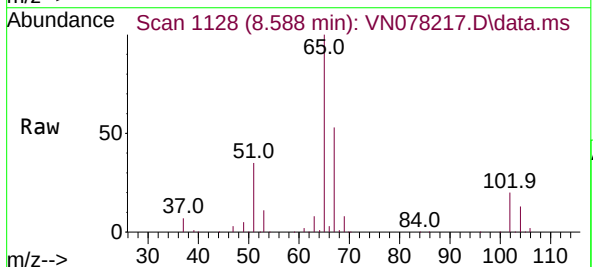
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FSND-MW-EVAL-1D-06132023

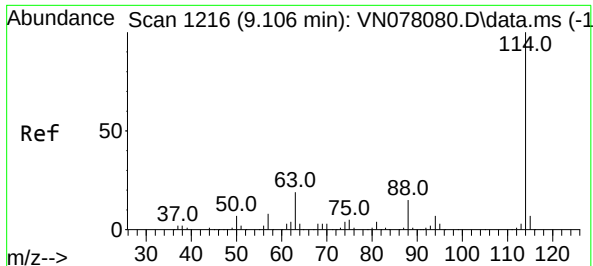
Tgt Ion: 56 Resp: 10652
Ion Ratio Lower Upper
56 100
69 144.9 26.8 40.2#
84 102.9 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 54.758 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN078217.D
Acq: 14 Jun 2023 19:45

Tgt Ion: 65 Resp: 318012
Ion Ratio Lower Upper
65 100
67 52.2 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN078217.D

Acq: 14 Jun 2023 19:45

Instrument :

MSVOA_N

ClientSampleId :

FSND-MW-EVAL-1D-06132023

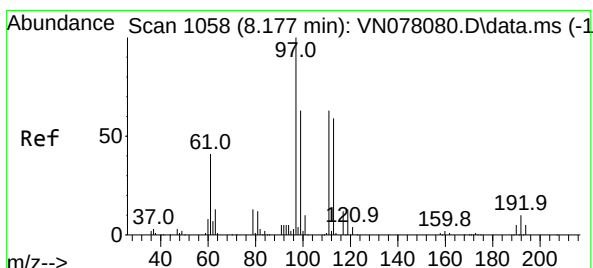
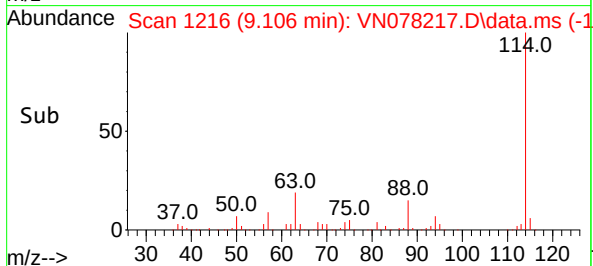
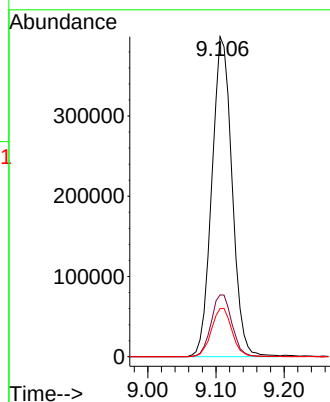
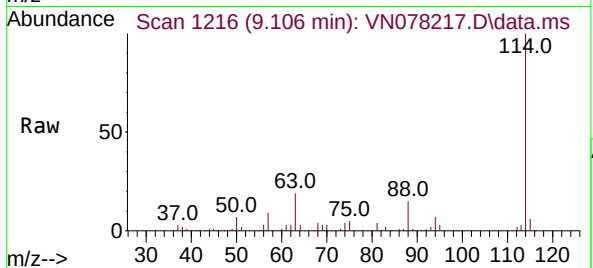
Tgt Ion:114 Resp: 822189

Ion Ratio Lower Upper

114 100

63 19.3 0.0 36.4

88 15.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 54.805 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VN078217.D

Acq: 14 Jun 2023 19:45

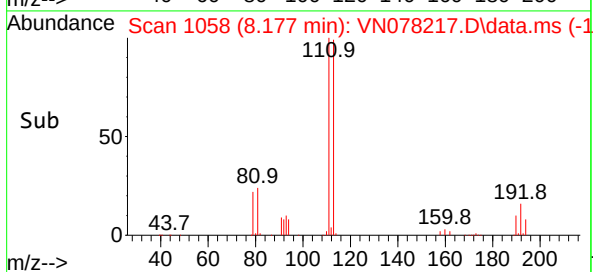
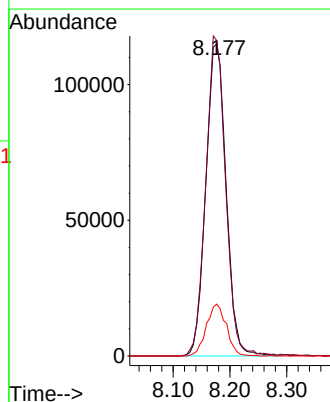
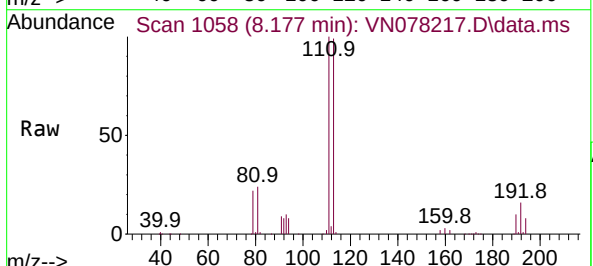
Tgt Ion:113 Resp: 284910

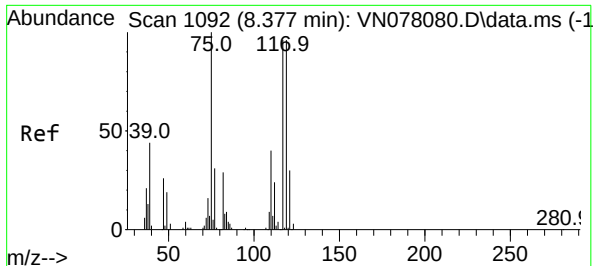
Ion Ratio Lower Upper

113 100

111 100.0 82.6 123.8

192 16.4 12.7 19.1





#36

1,1-Dichloropropene

Concen: 5.030 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VN078217.D

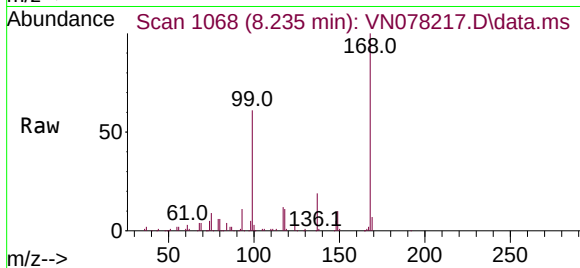
Acq: 14 Jun 2023 19:45

Instrument :

MSVOA_N

ClientSampleId :

FSND-MW-EVAL-1D-06132023



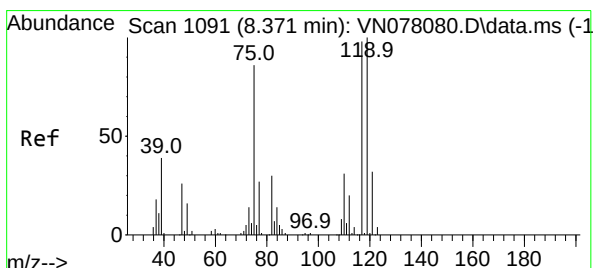
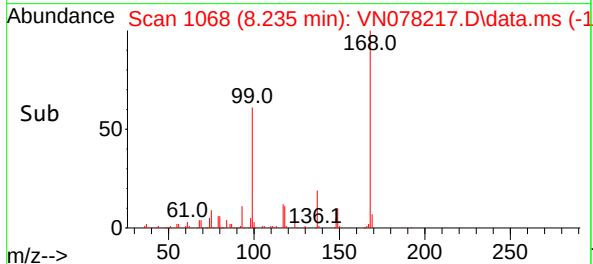
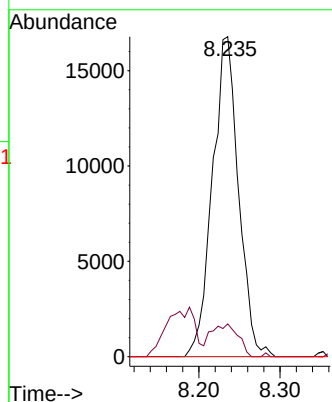
Tgt Ion: 75 Resp: 37508

Ion Ratio Lower Upper

75 100

110 10.5 19.1 57.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.297 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.135 min

Lab File: VN078217.D

Acq: 14 Jun 2023 19:45

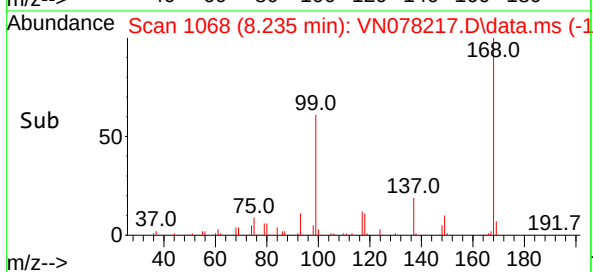
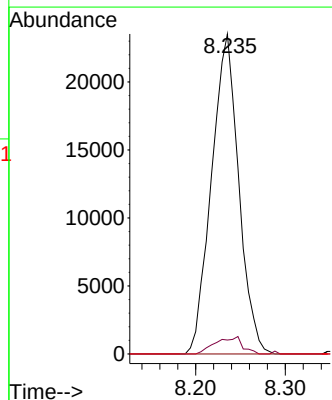
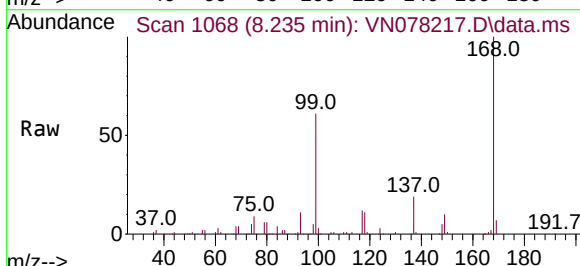
Tgt Ion: 117 Resp: 49580

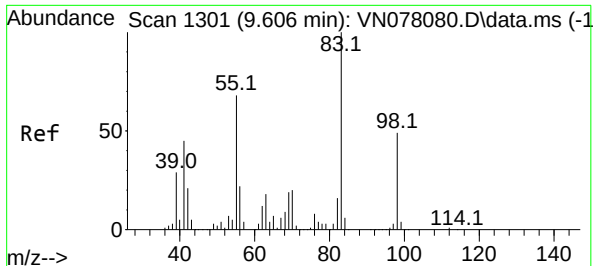
Ion Ratio Lower Upper

117 100

119 4.3 77.3 115.9#

121 0.0 23.3 34.9#





#39

Methylcyclohexane

Concen: 2.640 ug/l

RT: 9.365 min Scan# 1148

Delta R.T. -0.241 min

Lab File: VN078217.D

Acq: 14 Jun 2023 19:45

Instrument :

MSVOA_N

ClientSampleId :

FSND-MW-EVAL-1D-06132023

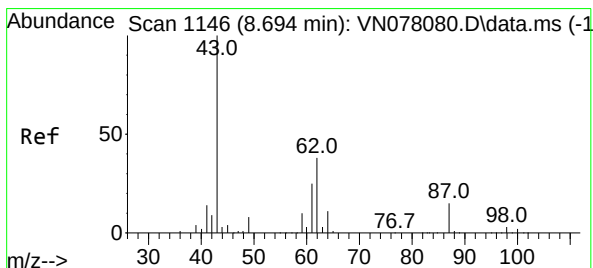
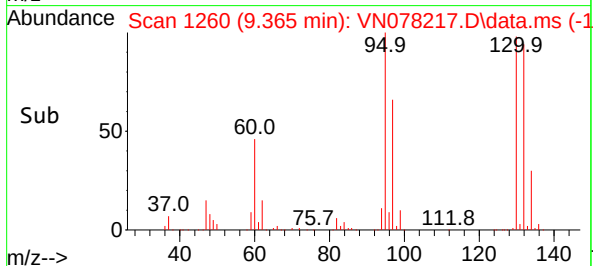
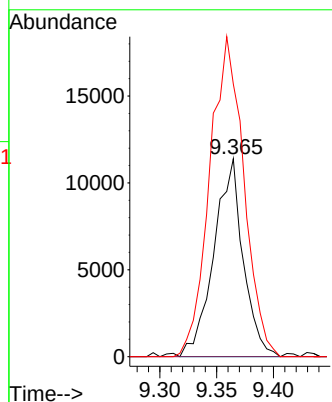
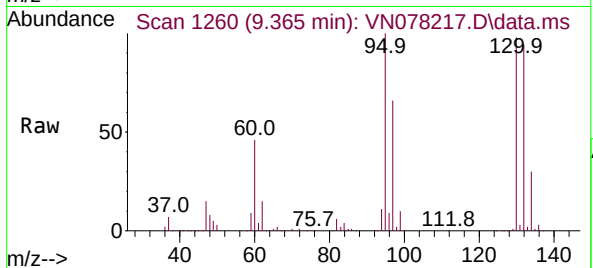
Tgt Ion: 83 Resp: 20398

Ion Ratio Lower Upper

83 100

55 0.0 49.1 73.7#

98 137.8 40.6 61.0#



#43

Isopropyl Acetate

Concen: 0.578 ug/l

RT: 8.706 min Scan# 1148

Delta R.T. 0.012 min

Lab File: VN078217.D

Acq: 14 Jun 2023 19:45

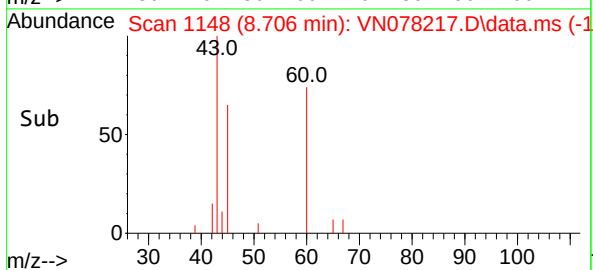
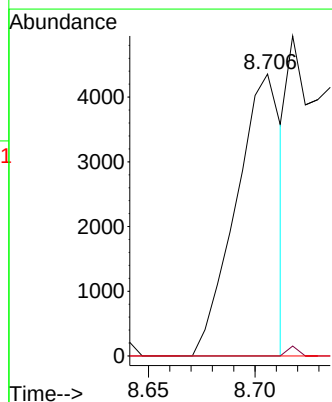
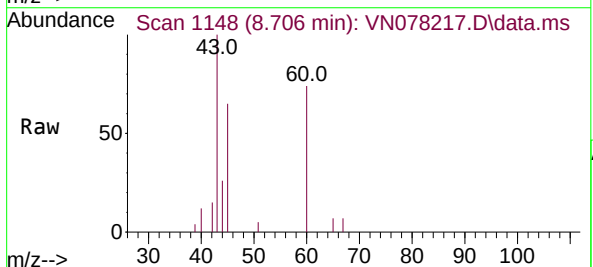
Tgt Ion: 43 Resp: 6441

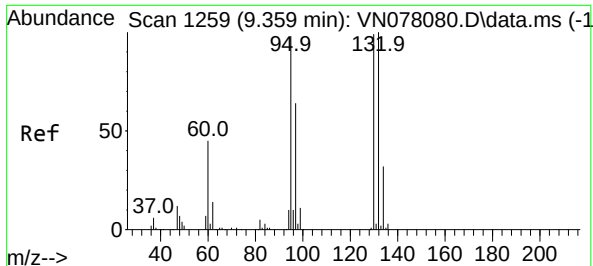
Ion Ratio Lower Upper

43 100

61 0.0 24.7 37.1#

87 0.0 14.6 21.8#

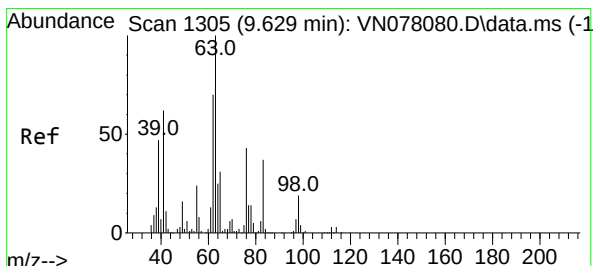
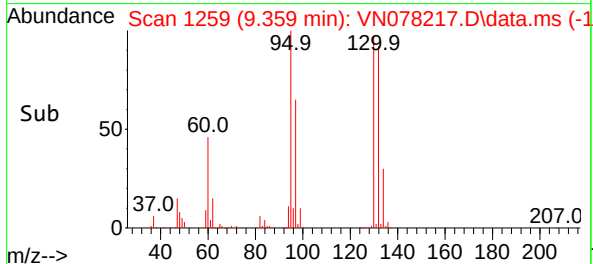
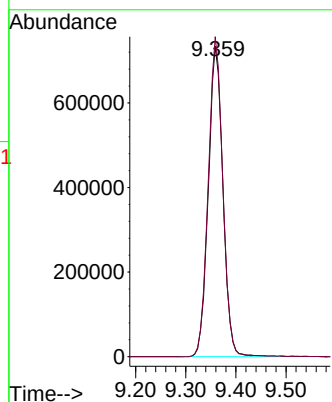
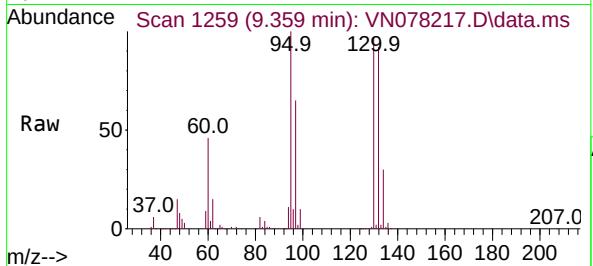




#44
Trichloroethene
Concen: 252.941 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VN078217.D
Acq: 14 Jun 2023 19:45

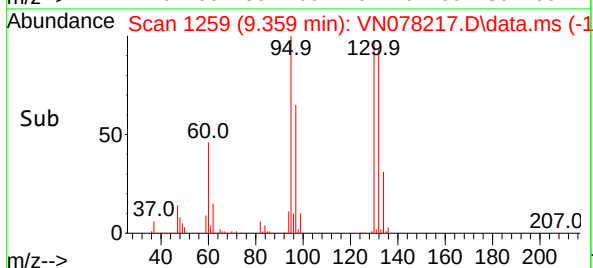
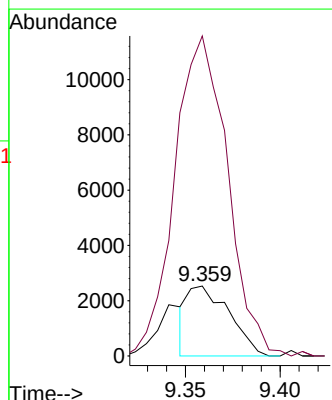
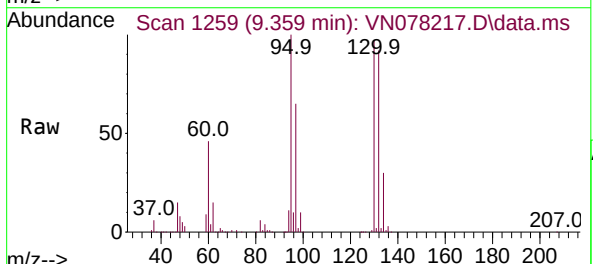
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-EVAL-1D-06132023

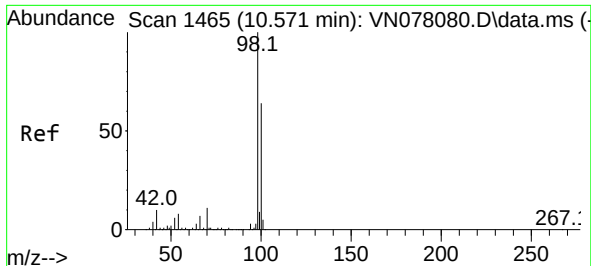
Tgt Ion:130 Resp: 1487049
Ion Ratio Lower Upper
130 100
95 103.0 0.0 204.6



#45
1,2-Dichloropropane
Concen: 0.695 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.271 min
Lab File: VN078217.D
Acq: 14 Jun 2023 19:45

Tgt Ion: 63 Resp: 3851
Ion Ratio Lower Upper
63 100
65 449.8 23.9 35.9#

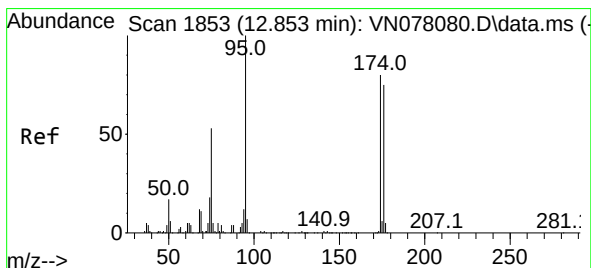
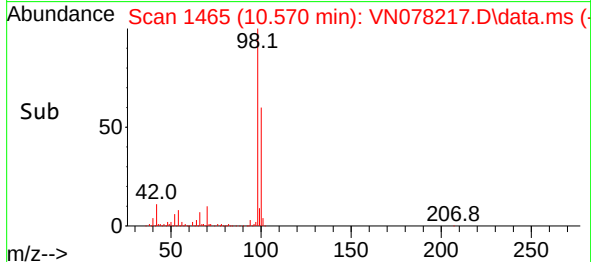
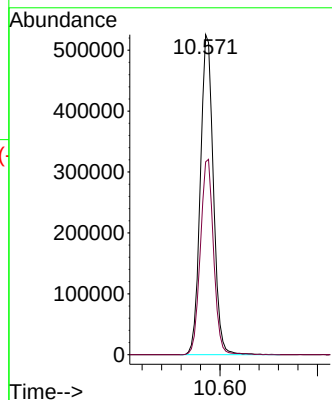
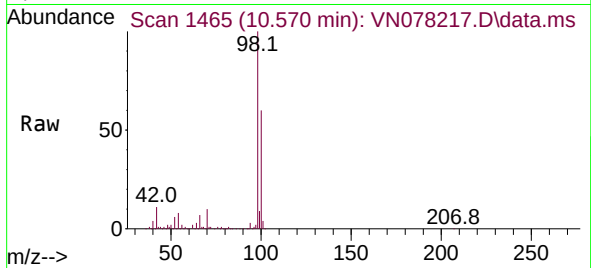




#50
Toluene-d8
Concen: 48.747 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078217.D
Acq: 14 Jun 2023 19:45

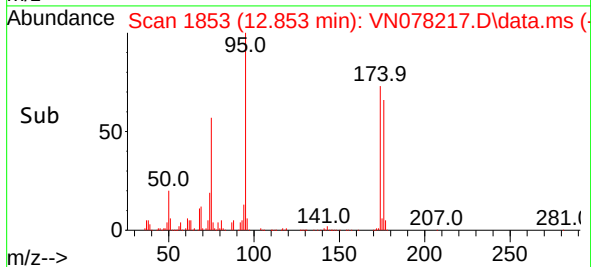
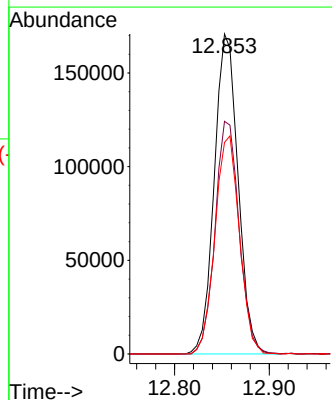
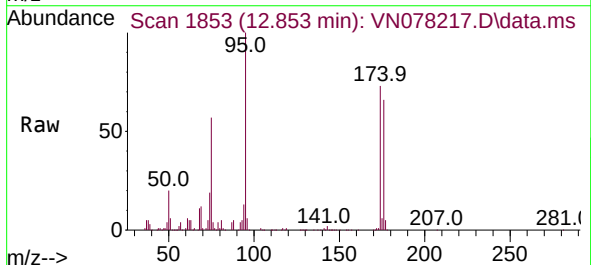
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-EVAL-1D-06132023

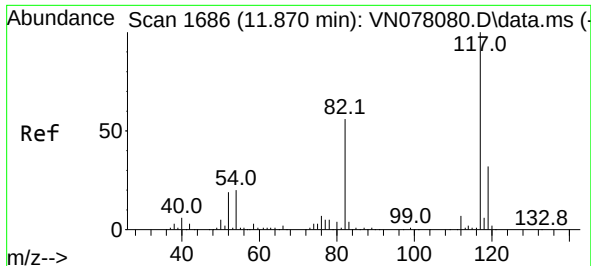
Tgt Ion: 98 Resp: 976935
Ion Ratio Lower Upper
98 100
100 62.0 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 47.845 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078217.D
Acq: 14 Jun 2023 19:45

Tgt Ion: 95 Resp: 298086
Ion Ratio Lower Upper
95 100
174 73.6 0.0 143.8
176 70.1 0.0 135.8

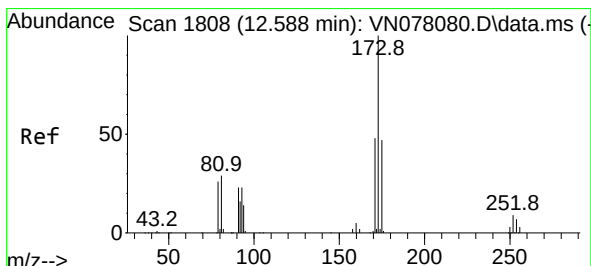
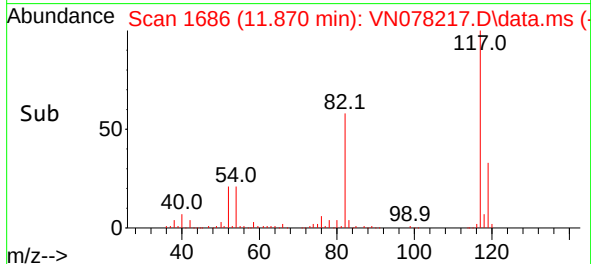
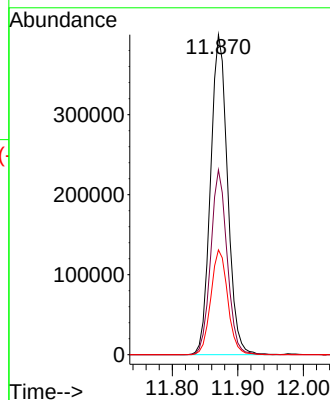
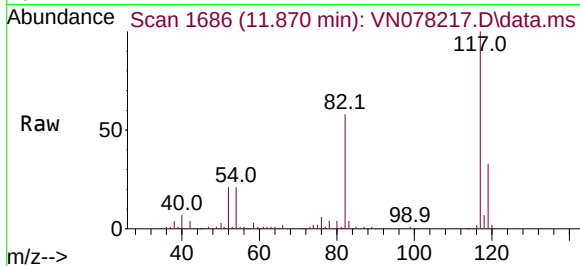




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VN078217.D
Acq: 14 Jun 2023 19:45

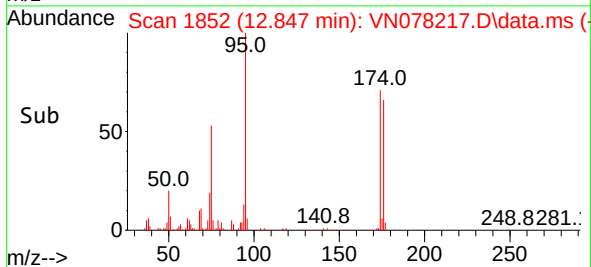
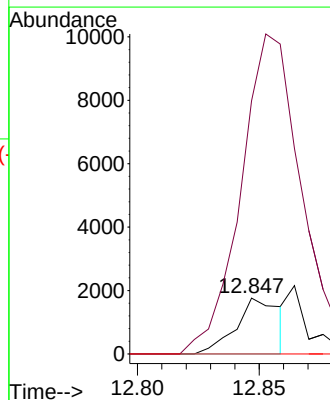
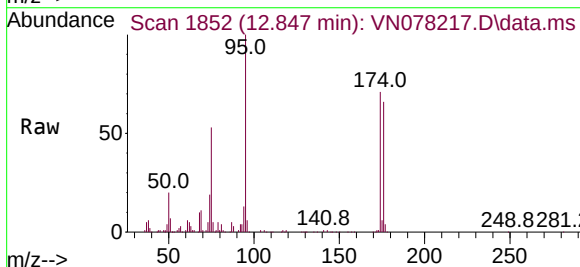
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-EVAL-1D-06132023

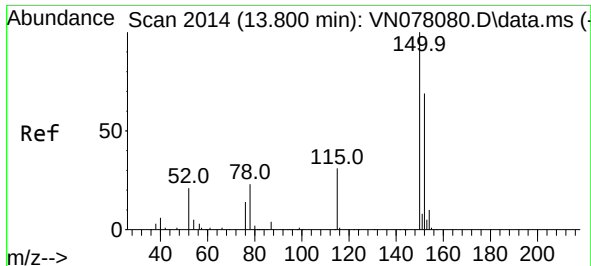
Tgt Ion:117 Resp: 720060
Ion Ratio Lower Upper
117 100
82 57.8 44.0 66.0
119 32.8 25.6 38.4



#71
Bromoform
Concen: 0.602 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.259 min
Lab File: VN078217.D
Acq: 14 Jun 2023 19:45

Tgt Ion:173 Resp: 2204
Ion Ratio Lower Upper
173 100
175 671.3 24.3 73.0#
254 0.0 0.0 0.0

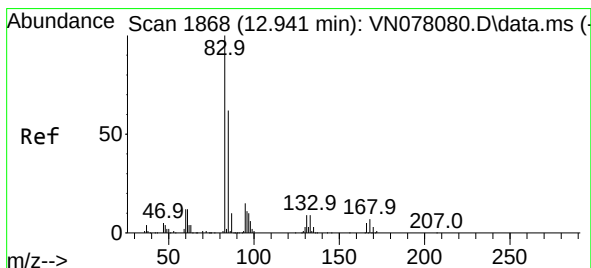
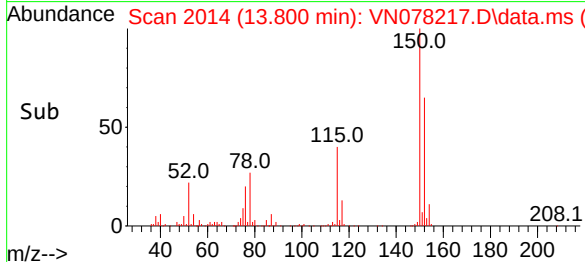
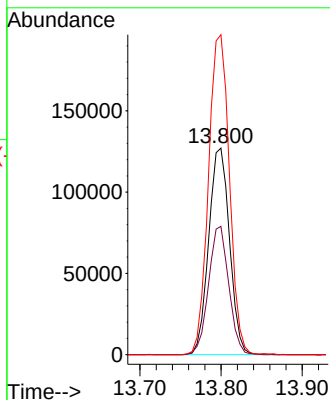
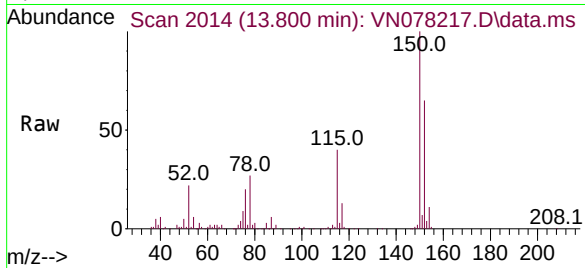




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.800 min Scan# 2014
 Delta R.T. -0.000 min
 Lab File: VN078217.D
 Acq: 14 Jun 2023 19:45

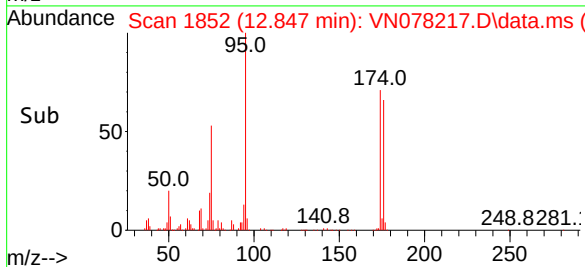
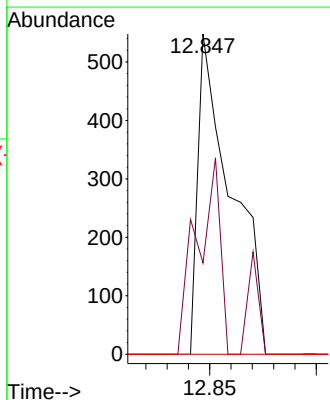
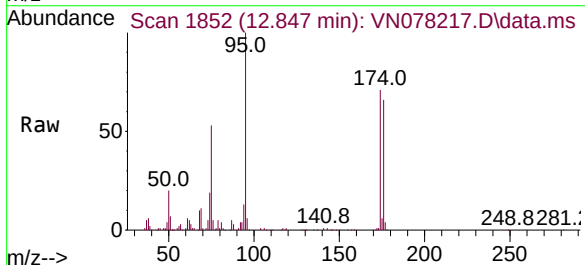
Instrument :
 MSVOA_N
 ClientSampleId :
 FSND-MW-EVAL-1D-06132023

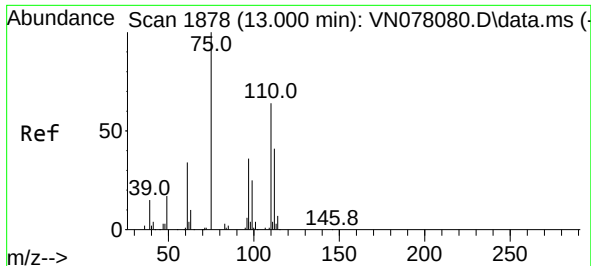
Tgt Ion:152 Resp: 226189
 Ion Ratio Lower Upper
 152 100
 115 60.3 32.3 96.8
 150 155.6 0.0 355.8



#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.094 min
 Lab File: VN078217.D
 Acq: 14 Jun 2023 19:45

Tgt Ion: 83 Resp: 600
 Ion Ratio Lower Upper
 83 100
 131 42.5 5.0 15.0#
 85 0.0 31.9 95.7#

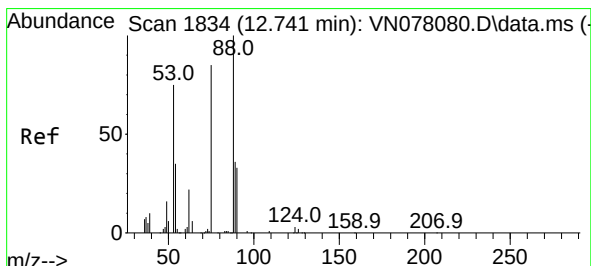
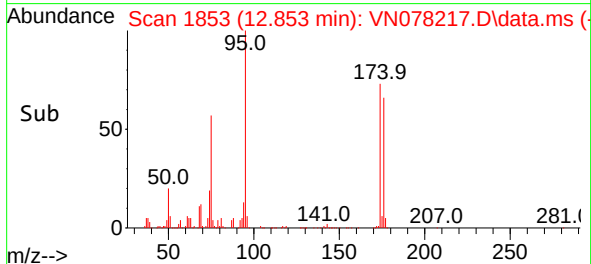
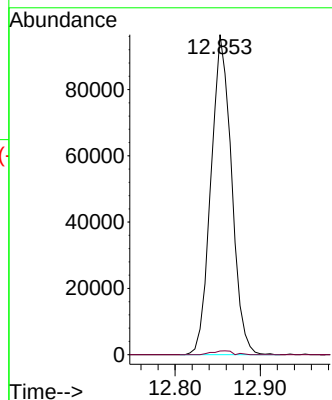
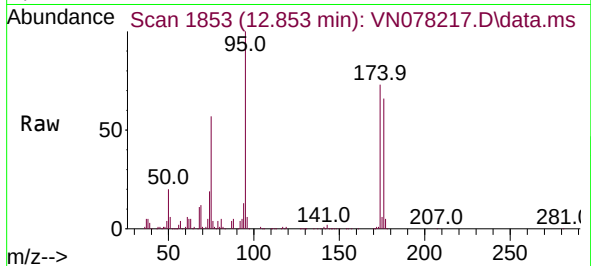




#76
1,2,3-Trichloropropane
Concen: 30.290 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078217.D
Acq: 14 Jun 2023 19:45

Instrument : MSVOA_N
ClientSampleId : FSND-MW-EVAL-1D-06132023

Tgt Ion: 75 Resp: 161967
Ion Ratio Lower Upper
75 100
77 1.2 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 93.061 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078217.D
Acq: 14 Jun 2023 19:45

Tgt Ion: 75 Resp: 161967
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#

