

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061323\
 Data File : VN078178.D
 Acq On : 13 Jun 2023 10:54
 Operator : JC\MD
 Sample : VN0613WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

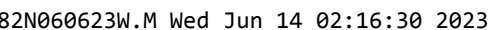
Quant Time: Jun 14 02:16:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	501772	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	915589	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	814526	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	268530	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	349881	52.298	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.600%	
35) Dibromofluoromethane	8.171	113	311889	53.875	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 107.740%	
50) Toluene-d8	10.571	98	1083810	48.563	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 97.120%	
62) 4-Bromofluorobenzene	12.853	95	347548	50.093	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 100.180%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1043	Below Cal	#	76
5) Bromomethane	2.971	94	1270	0.226	ug/l #	48
11) Tert butyl alcohol	5.518	59	864	0.935	ug/l #	72
16) Acetone	4.442	43	923	0.479	ug/l #	40
31) Cyclohexane	8.230	56	11874	1.384	ug/l #	39
36) 1,1-Dichloropropene	8.230	75	42092	5.069	ug/l #	49
38) Carbon Tetrachloride	8.230	117	54741	6.243	ug/l #	18
43) Isopropyl Acetate	8.747	43	8185	0.660	ug/l #	49
59) 2-Hexanone	11.212	43	1429	0.314	ug/l #	48
71) Bromoform	12.853	173	3173	0.766	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.947	83	221	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	185756	29.261	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	185756	89.900	ug/l #	15
94) Hexachlorobutadiene	15.506	225	324	Below Cal		84
95) Naphthalene	15.641	128	2935	0.251	ug/l #	77

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

Quant Time: Jun 14 02:16:16 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

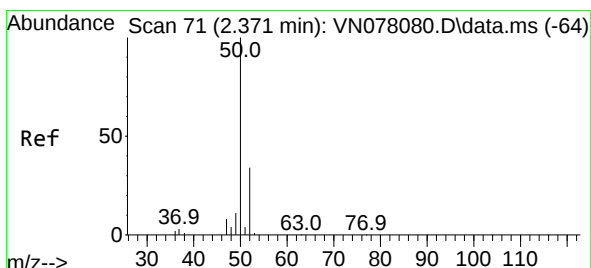
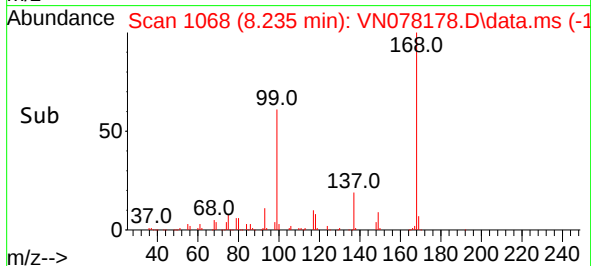
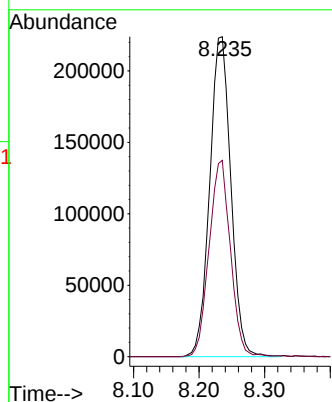
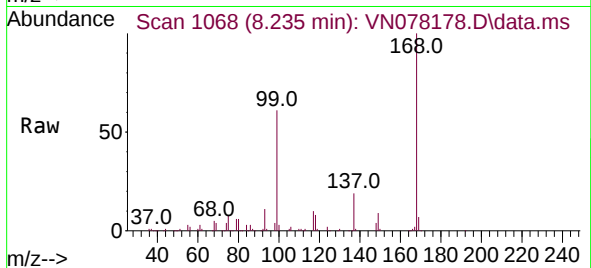




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN078178.D
Acq: 13 Jun 2023 10:54

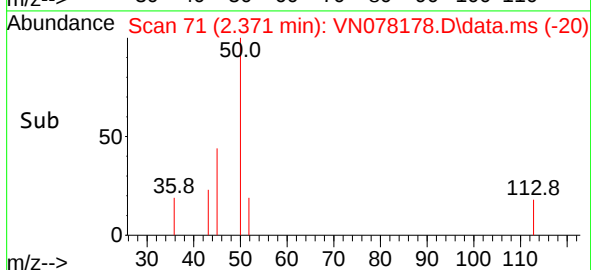
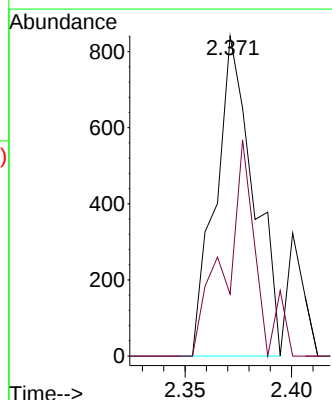
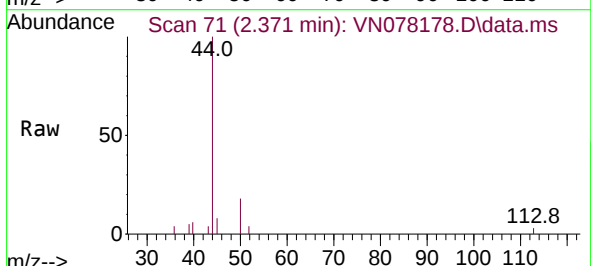
Instrument :
MSVOA_N
ClientSampleId :

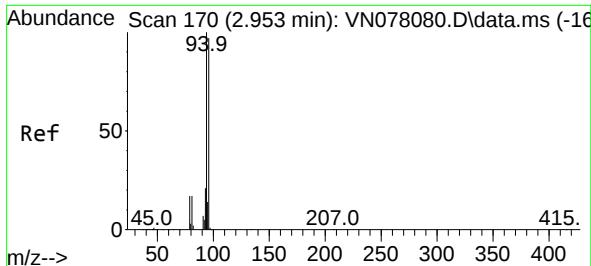
Tgt Ion:168 Resp: 501772
Ion Ratio Lower Upper
168 100
99 61.4 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN078178.D
Acq: 13 Jun 2023 10:54

Tgt Ion: 50 Resp: 1043
Ion Ratio Lower Upper
50 100
52 19.4 26.5 39.7#

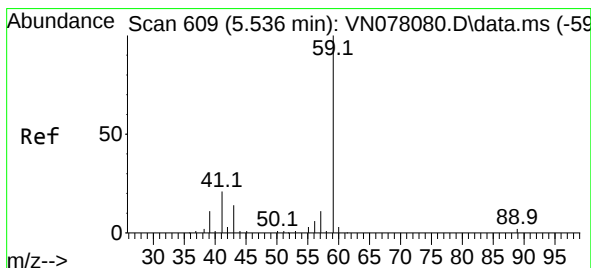
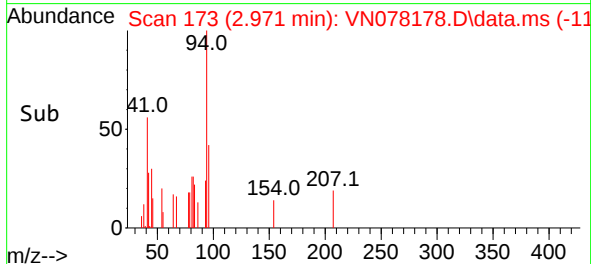
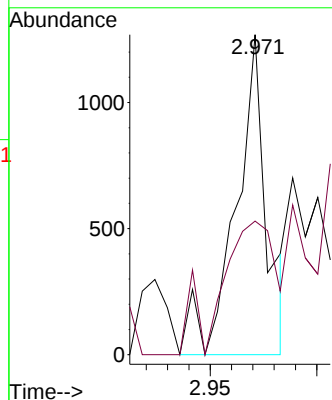
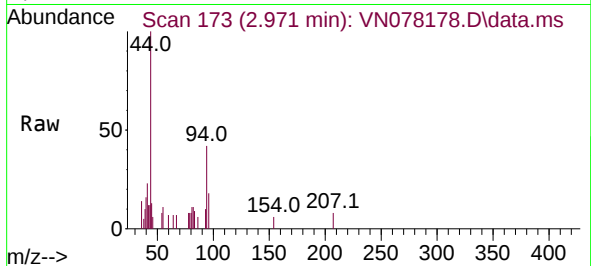




#5
Bromomethane
Concen: 0.226 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN078178.D
Acq: 13 Jun 2023 10:54

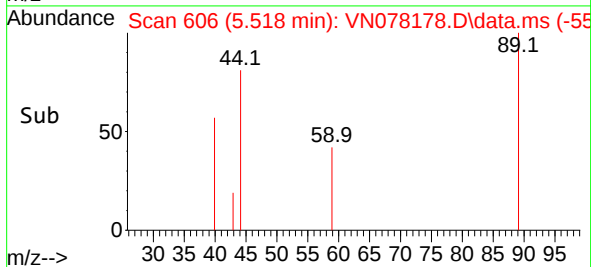
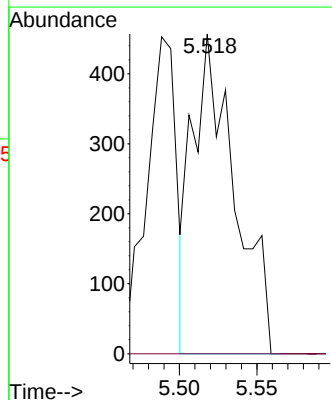
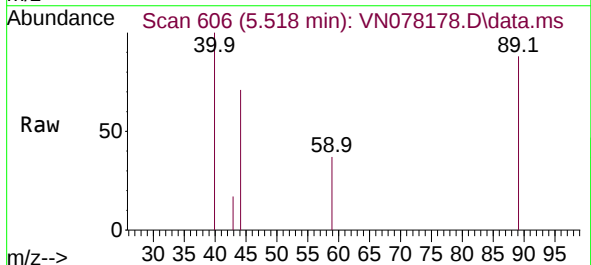
Instrument :
MSVOA_N
ClientSampleId :

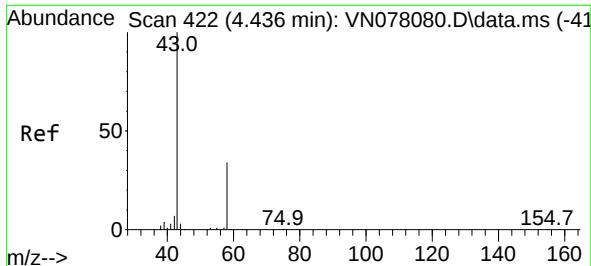
Tgt Ion: 94 Resp: 1270
Ion Ratio Lower Upper
94 100
96 41.8 73.1 109.7#



#11
Tert butyl alcohol
Concen: 0.935 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.018 min
Lab File: VN078178.D
Acq: 13 Jun 2023 10:54

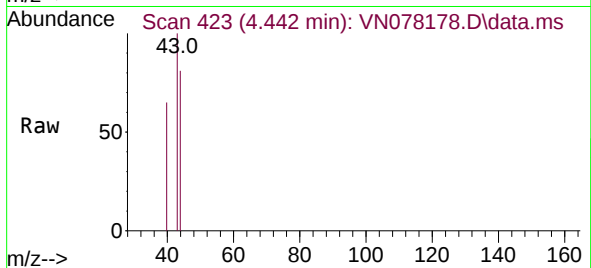
Tgt Ion: 59 Resp: 864
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



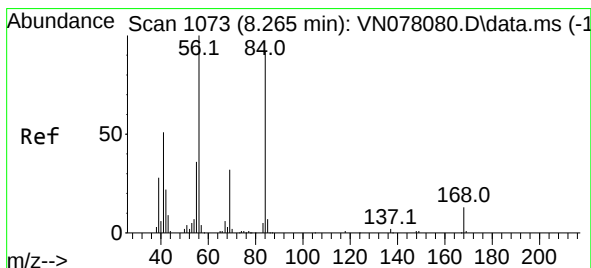
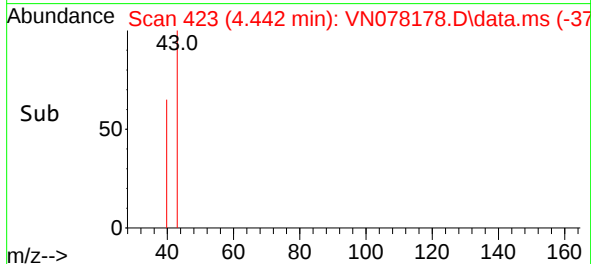
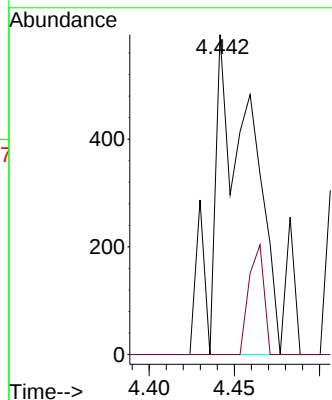


#16
Acetone
Concen: 0.479 ug/l
RT: 4.442 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN078178.D
Acq: 13 Jun 2023 10:54

Instrument :
MSVOA_N
ClientSampleId :

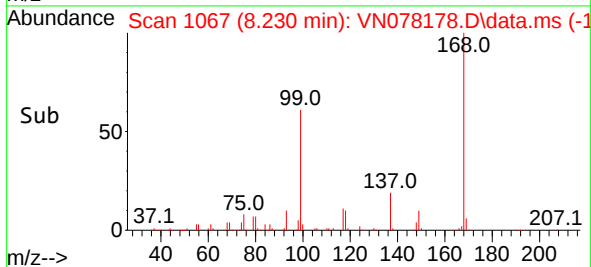
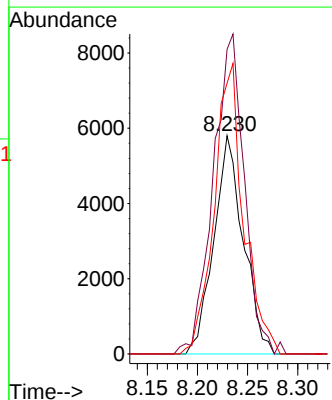
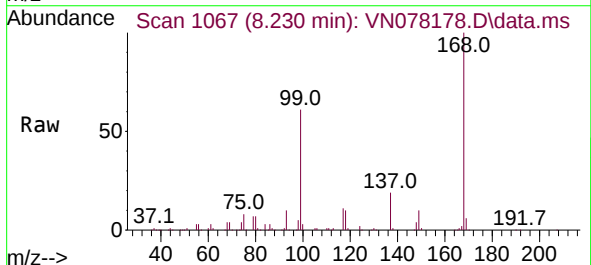


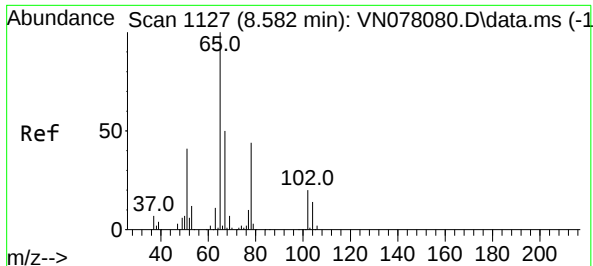
Tgt Ion: 43 Resp: 923
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#31
Cyclohexane
Concen: 1.384 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN078178.D
Acq: 13 Jun 2023 10:54

Tgt Ion: 56 Resp: 11874
Ion Ratio Lower Upper
56 100
69 136.3 26.8 40.2#
84 124.1 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 52.298 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN078178.D

Acq: 13 Jun 2023 10:54

Instrument :

MSVOA_N

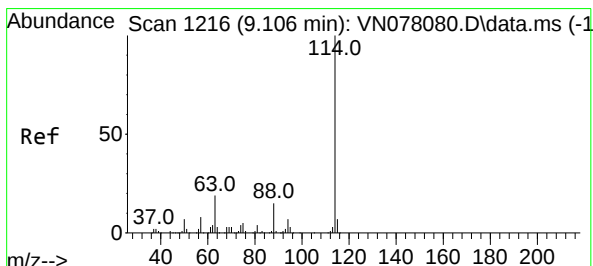
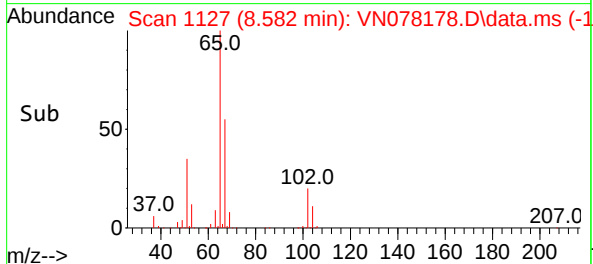
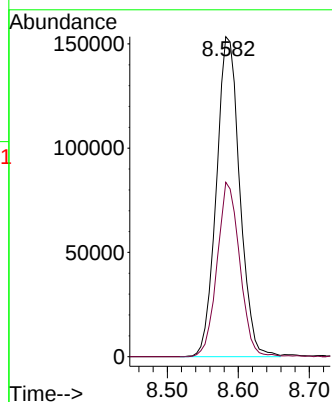
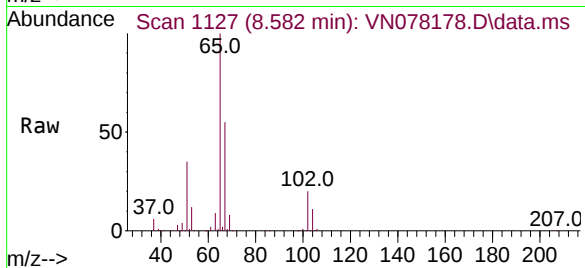
ClientSampleId :

Tgt Ion: 65 Resp: 349881

Ion Ratio Lower Upper

65 100

67 52.9 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN078178.D

Acq: 13 Jun 2023 10:54

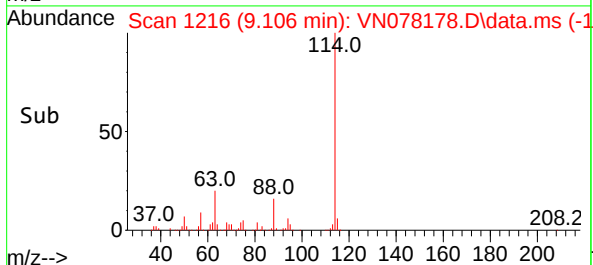
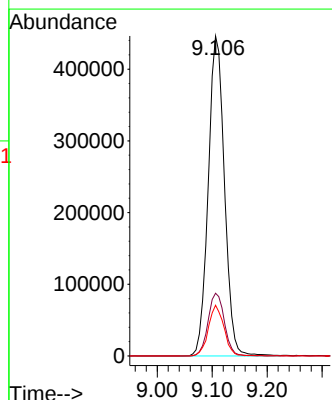
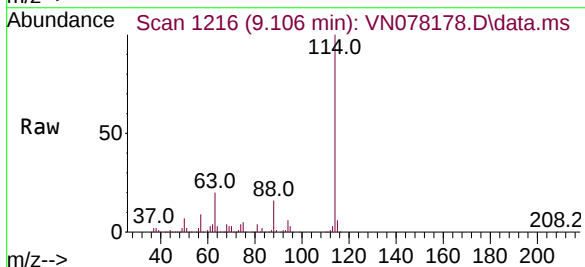
Tgt Ion: 114 Resp: 915589

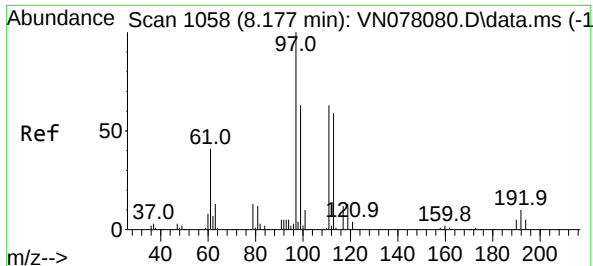
Ion Ratio Lower Upper

114 100

63 19.6 0.0 36.4

88 15.9 0.0 30.6





#35

Dibromofluoromethane

Concen: 53.875 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VN078178.D

Acq: 13 Jun 2023 10:54

Instrument :

MSVOA_N

ClientSampleId :

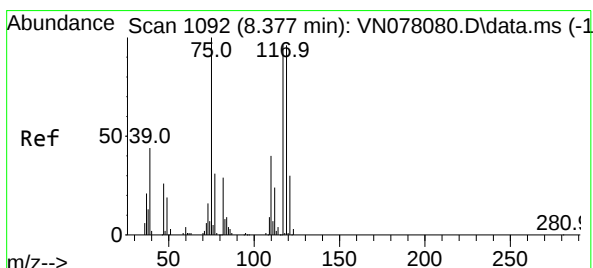
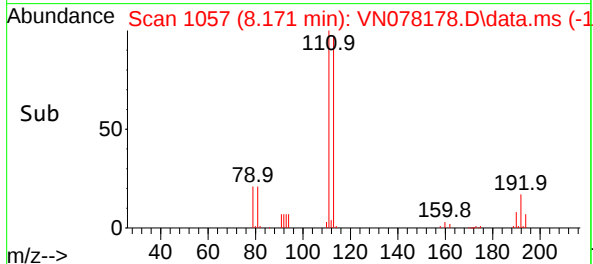
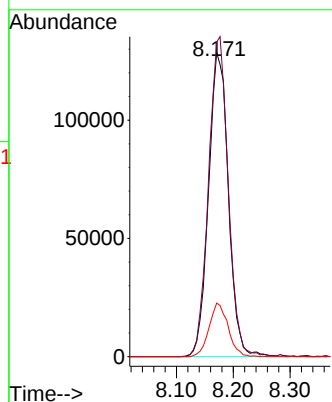
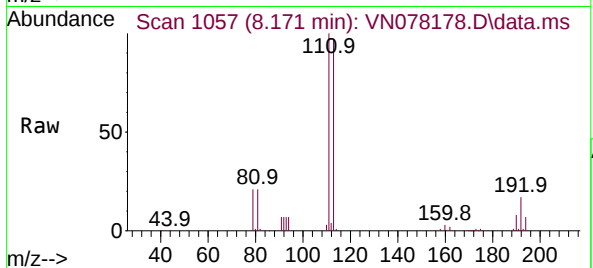
Tgt Ion:113 Resp: 311889

Ion Ratio Lower Upper

113 100

111 104.6 82.6 123.8

192 16.9 12.7 19.1



#36

1,1-Dichloropropene

Concen: 5.069 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN078178.D

Acq: 13 Jun 2023 10:54

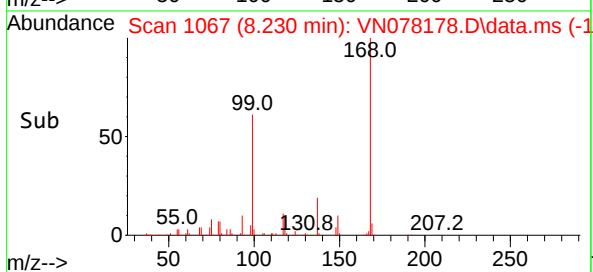
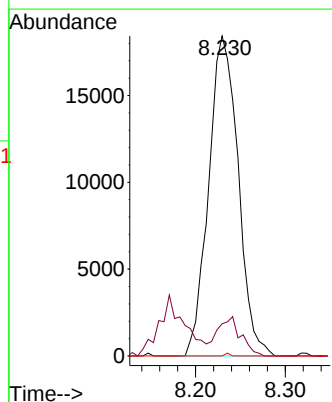
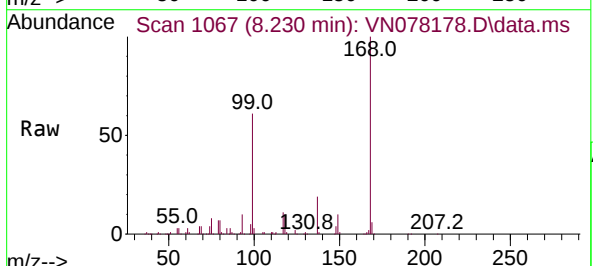
Tgt Ion: 75 Resp: 42092

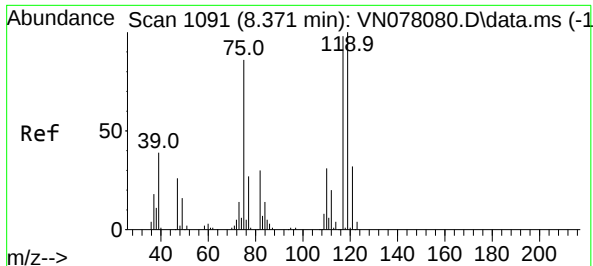
Ion Ratio Lower Upper

75 100

110 9.8 19.1 57.3#

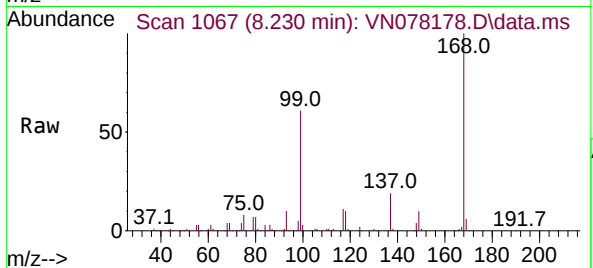
77 0.1 25.0 37.4#



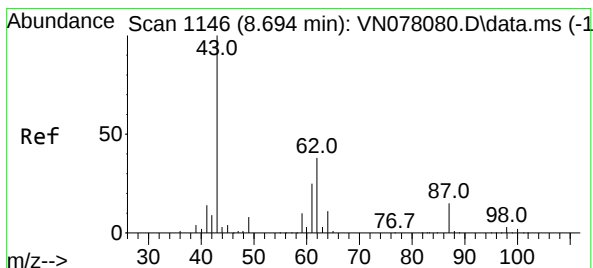
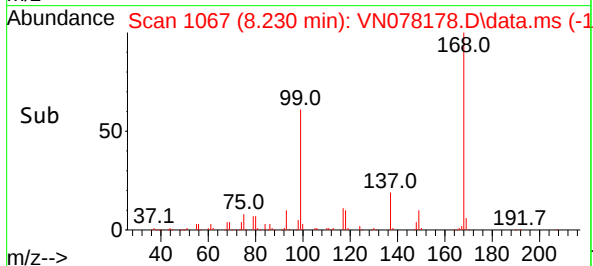
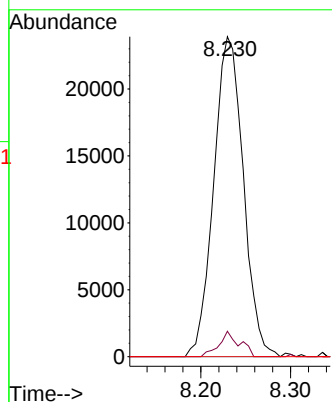


#38
Carbon Tetrachloride
Concen: 6.243 ug/l
RT: 8.230 min Scan# 1155
Delta R.T. -0.141 min
Lab File: VN078178.D
Acq: 13 Jun 2023 10:54

Instrument :
MSVOA_N
ClientSampleId :

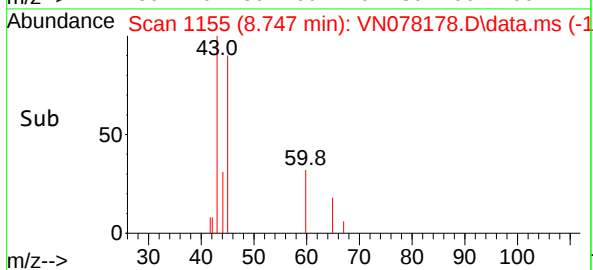
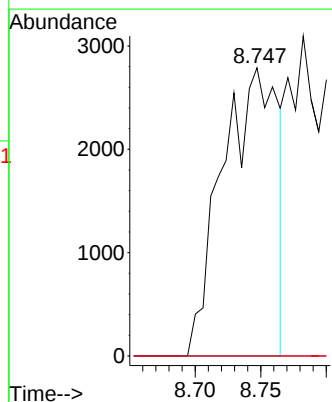
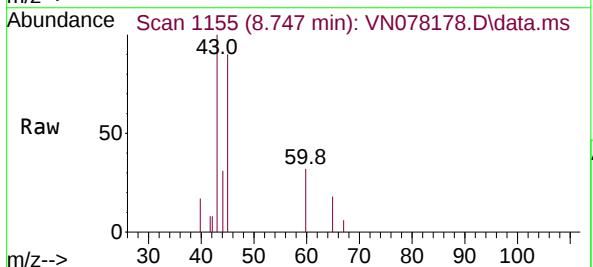


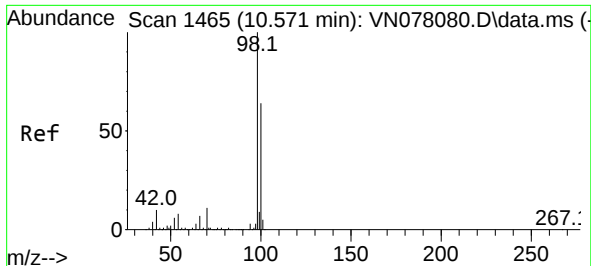
Tgt Ion:117 Resp: 54741
Ion Ratio Lower Upper
117 100
119 7.9 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 0.660 ug/l
RT: 8.747 min Scan# 1155
Delta R.T. 0.053 min
Lab File: VN078178.D
Acq: 13 Jun 2023 10:54

Tgt Ion: 43 Resp: 8185
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#

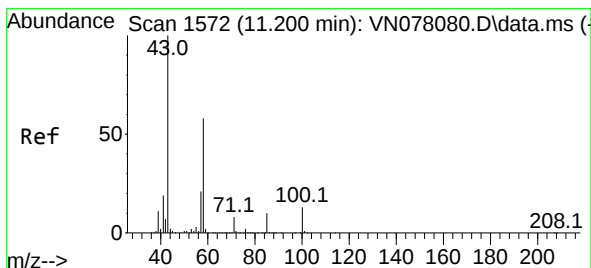
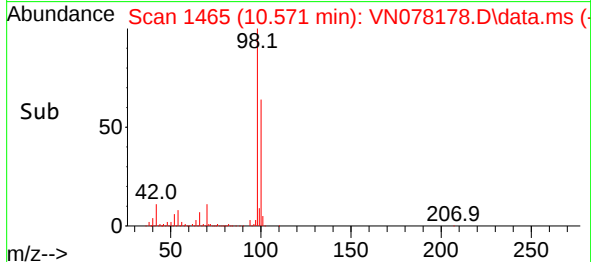
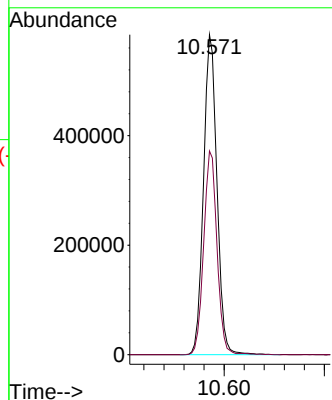
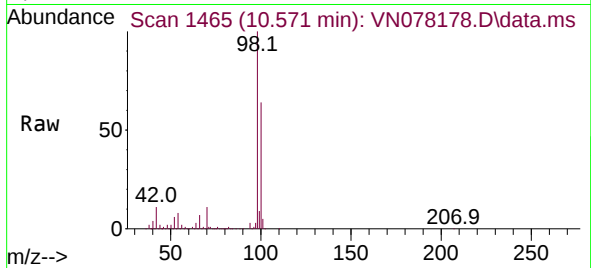




#50
Toluene-d8
Concen: 48.563 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN078178.D
Acq: 13 Jun 2023 10:54

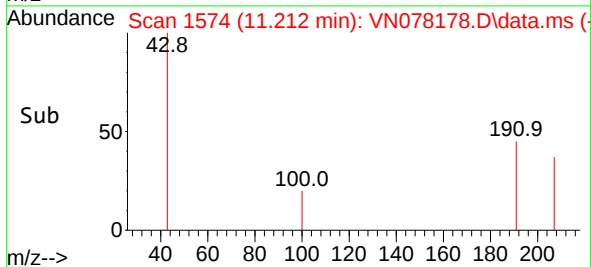
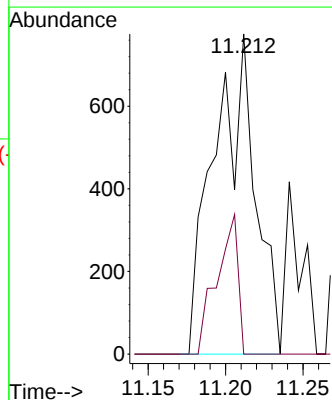
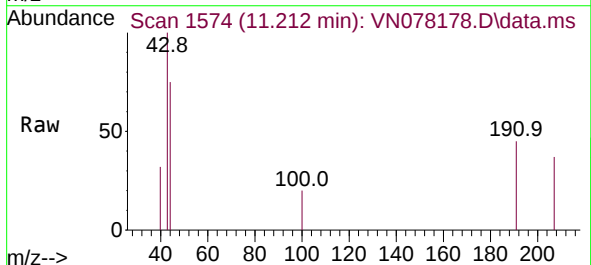
Instrument :
MSVOA_N
ClientSampleId :

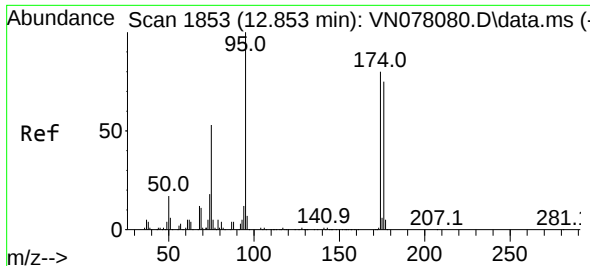
Tgt Ion: 98 Resp: 1083810
Ion Ratio Lower Upper
98 100
100 63.3 52.0 78.0



#59
2-Hexanone
Concen: 0.314 ug/l
RT: 11.212 min Scan# 1574
Delta R.T. 0.012 min
Lab File: VN078178.D
Acq: 13 Jun 2023 10:54

Tgt Ion: 43 Resp: 1429
Ion Ratio Lower Upper
43 100
58 22.5 31.7 95.1#

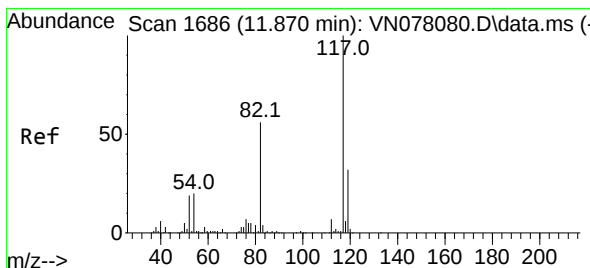
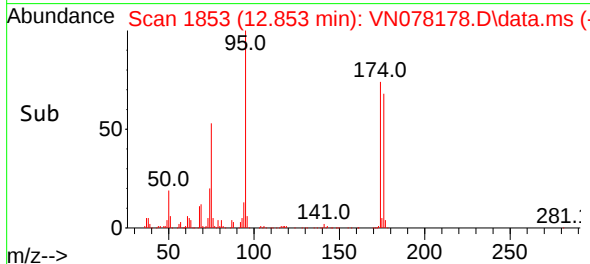
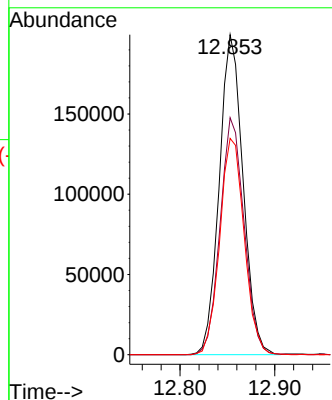
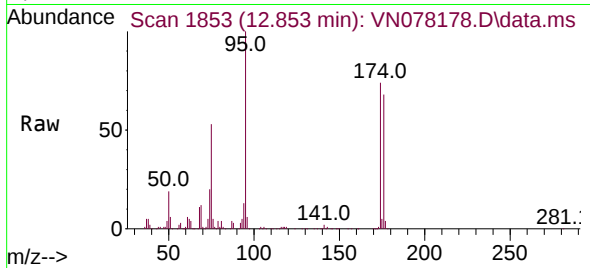




#62
4-Bromofluorobenzene
Concen: 50.093 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078178.D
Acq: 13 Jun 2023 10:54

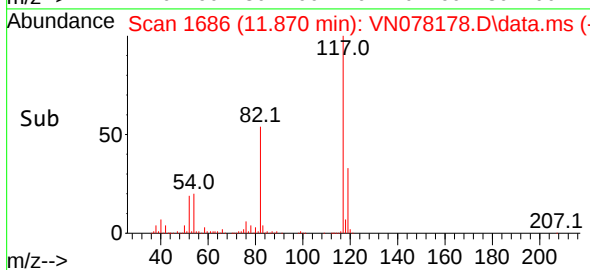
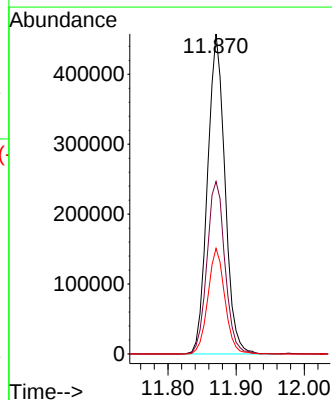
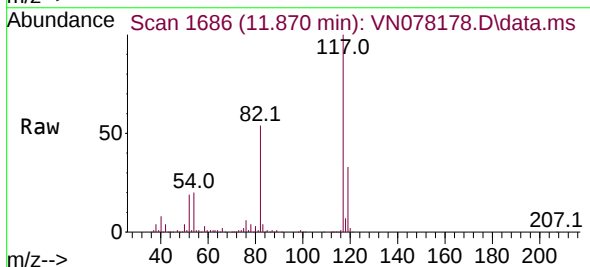
Instrument :
MSVOA_N
ClientSampleId :

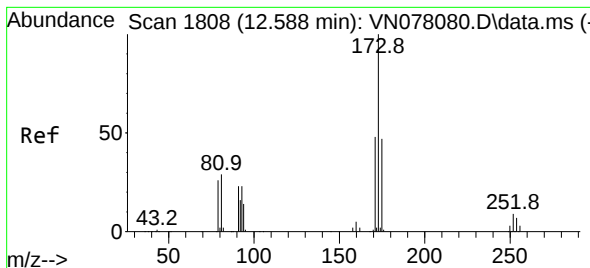
Tgt Ion: 95 Resp: 347548
Ion Ratio Lower Upper
95 100
174 74.8 0.0 143.8
176 69.7 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN078178.D
Acq: 13 Jun 2023 10:54

Tgt Ion: 117 Resp: 814526
Ion Ratio Lower Upper
117 100
82 53.9 44.0 66.0
119 33.0 25.6 38.4





#71

Bromoform

Concen: 0.766 ug/l

RT: 12.853 min Scan# 1808

Delta R.T. 0.265 min

Lab File: VN078178.D

Acq: 13 Jun 2023 10:54

Instrument :

MSVOA_N

ClientSampleId :

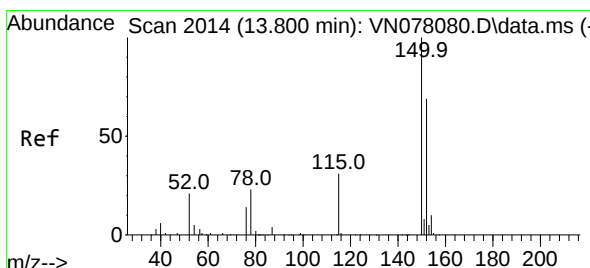
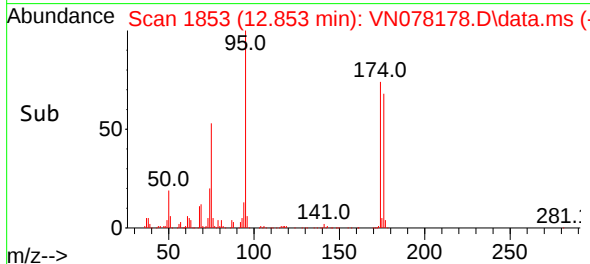
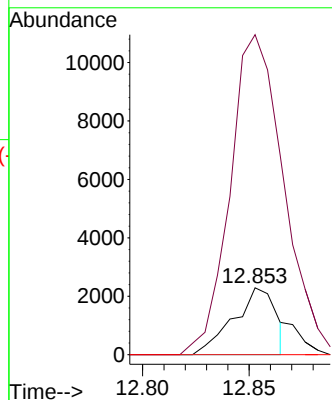
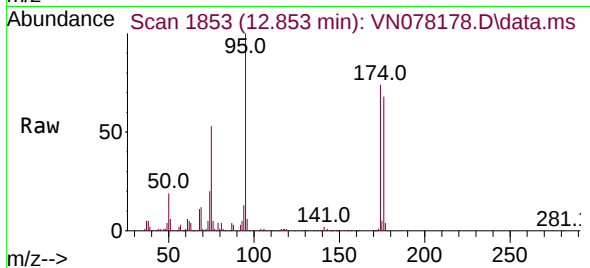
Tgt Ion:173 Resp: 3173

Ion Ratio Lower Upper

173 100

175 523.5 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: VN078178.D

Acq: 13 Jun 2023 10:54

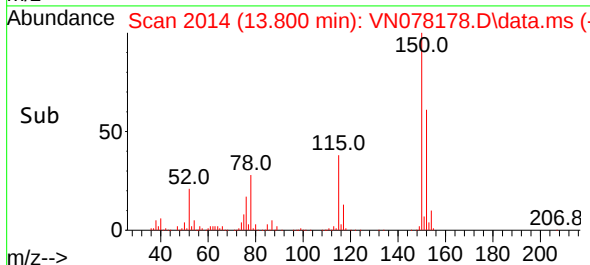
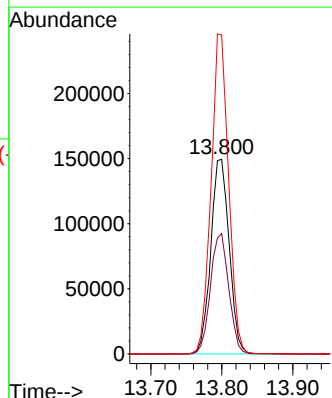
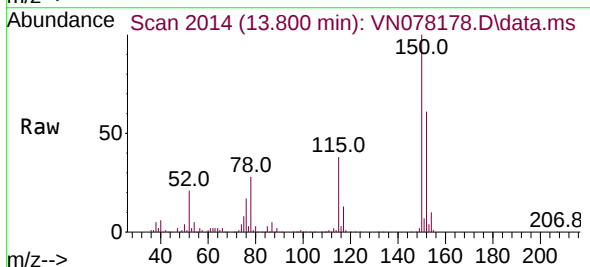
Tgt Ion:152 Resp: 268530

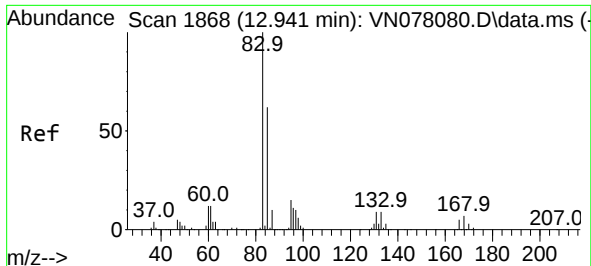
Ion Ratio Lower Upper

152 100

115 61.6 32.3 96.8

150 156.6 0.0 355.8

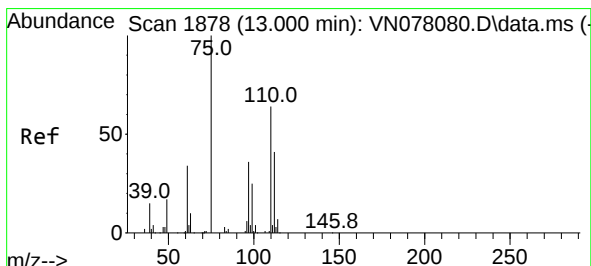
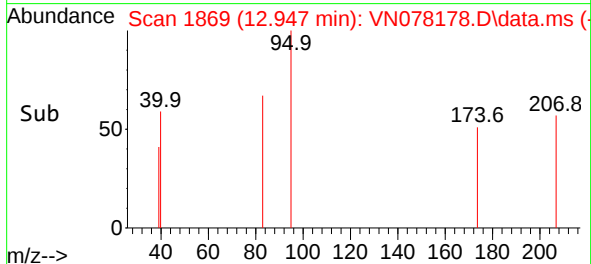
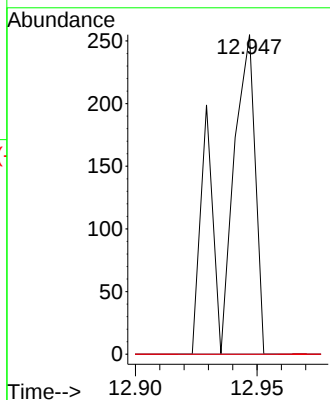
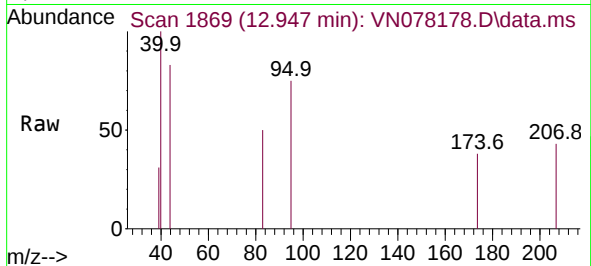




#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.947 min Scan# 1868
 Delta R.T. 0.006 min
 Lab File: VN078178.D
 Acq: 13 Jun 2023 10:54

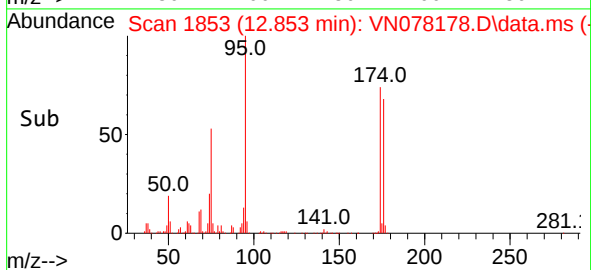
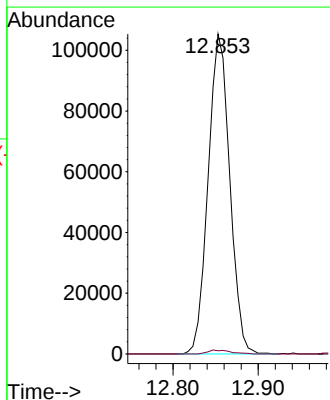
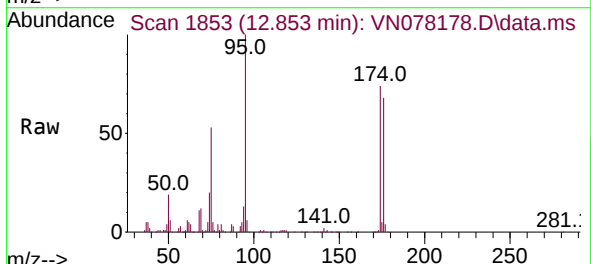
Instrument :
 MSVOA_N
 ClientSampleId :

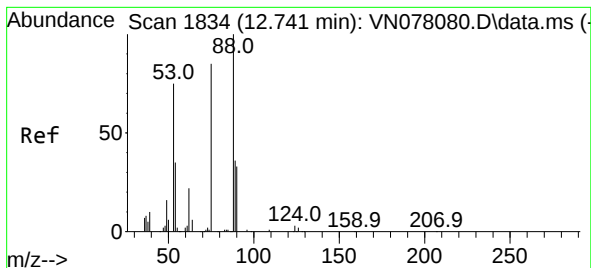
Tgt Ion: 83 Resp: 221
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.0 15.0#
 85 0.0 31.9 95.7#



#76
 1,2,3-Trichloropropane
 Concen: 29.261 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.147 min
 Lab File: VN078178.D
 Acq: 13 Jun 2023 10:54

Tgt Ion: 75 Resp: 185756
 Ion Ratio Lower Upper
 75 100
 77 1.3 84.5 253.5#

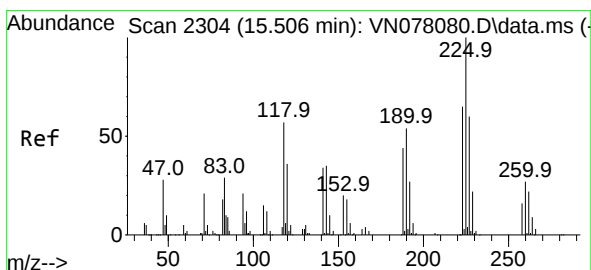
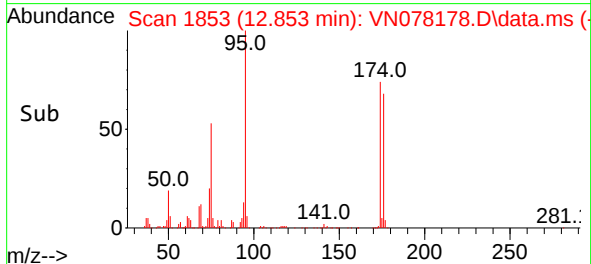
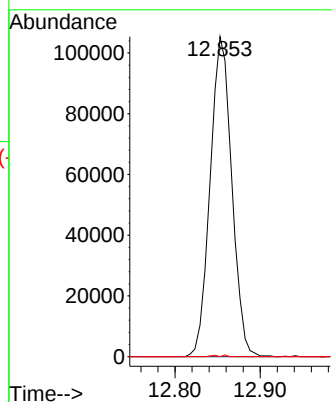
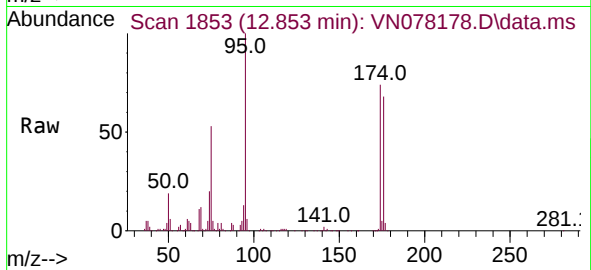




#81
trans-1,4-Dichloro-2-butene
Concen: 89.900 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078178.D
Acq: 13 Jun 2023 10:54

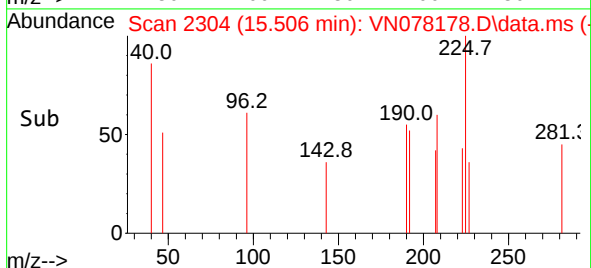
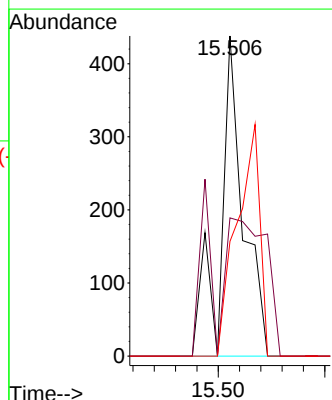
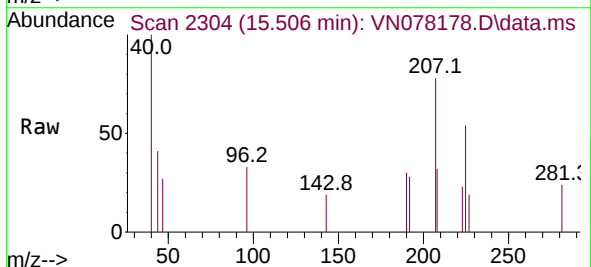
Instrument :
MSVOA_N
ClientSampleId :

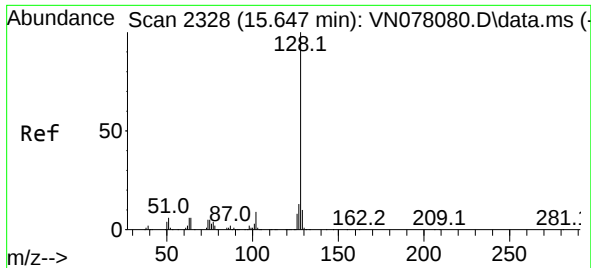
Tgt Ion: 75 Resp: 185756
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.1 38.8 58.2#



#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.506 min Scan# 2304
Delta R.T. -0.000 min
Lab File: VN078178.D
Acq: 13 Jun 2023 10:54

Tgt Ion: 225 Resp: 324
Ion Ratio Lower Upper
225 100
223 76.9 31.3 93.8
227 73.8 31.9 95.9





#95

Naphthalene

Concen: 0.251 ug/l

RT: 15.641 min Scan# 21

Delta R.T. -0.006 min

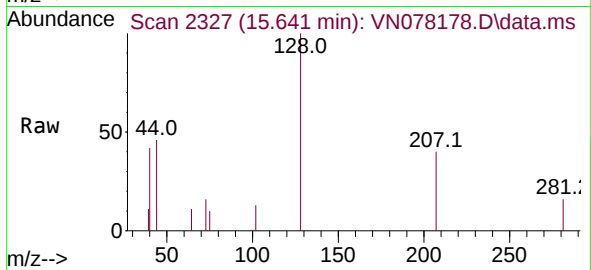
Lab File: VN078178.D

Acq: 13 Jun 2023 10:54

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:128 Resp: 2935

Ion Ratio Lower Upper

128 100

127 5.5 10.0 15.0#

129 0.0 8.7 13.1#

