

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061523\
 Data File : VN078238.D
 Acq On : 15 Jun 2023 19:10
 Operator : JC\MD
 Sample : 03231-18
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB

Quant Time: Jun 16 06:11:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

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

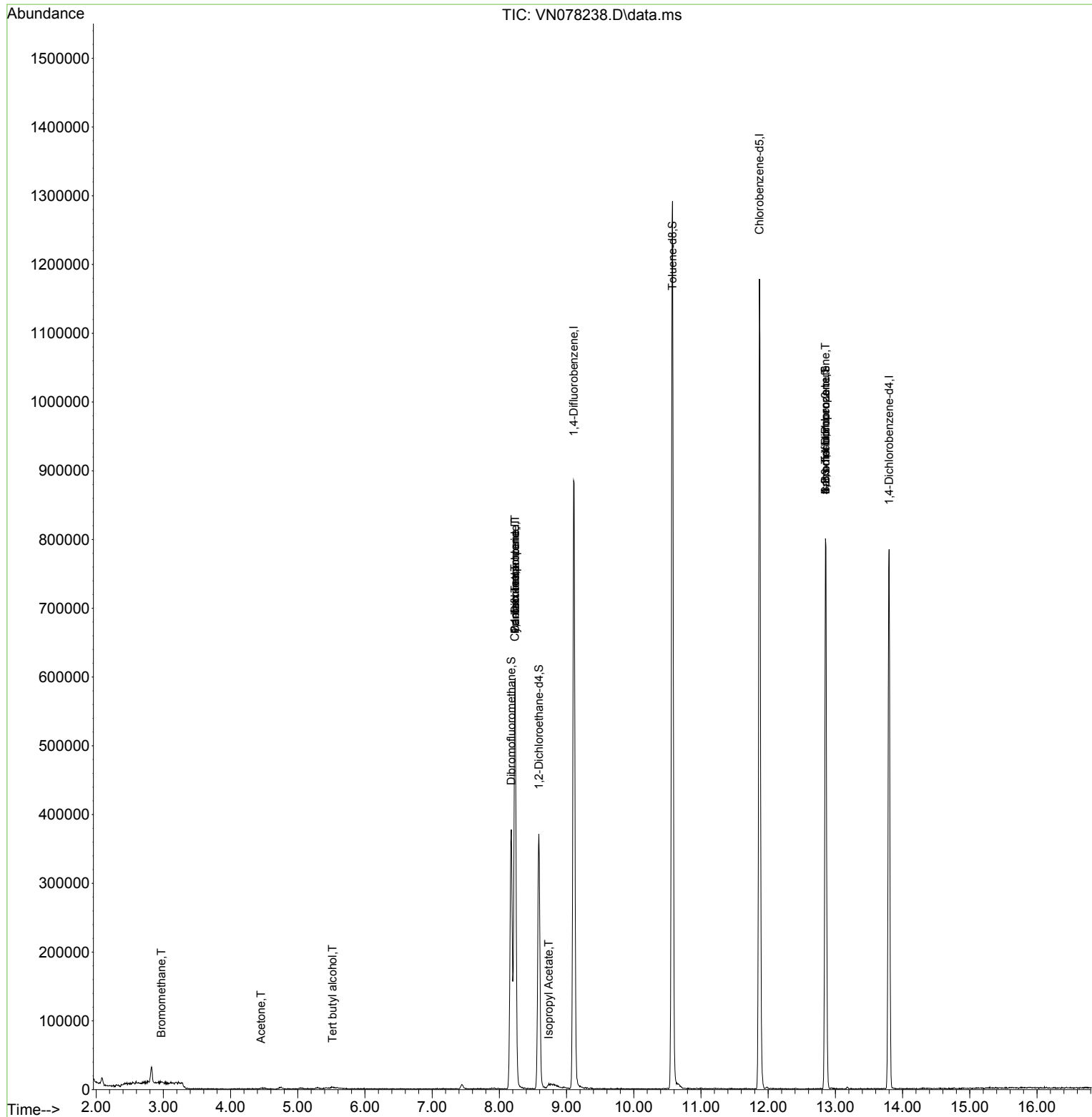
Internal Standards						
1) Pentafluorobenzene	8.236	168	426282	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	790308	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	701948	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	217014	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	307912	54.175	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.360%	
35) Dibromofluoromethane	8.177	113	274377	54.908	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 109.820%	
50) Toluene-d8	10.577	98	934620	48.516	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 97.040%	
62) 4-Bromofluorobenzene	12.853	95	286556	47.849	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 95.700%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1184	Below Cal		97
5) Bromomethane	2.971	94	1226	0.257 ug/l	#	78
11) Tert butyl alcohol	5.518	59	391	0.498 ug/l	#	72
16) Acetone	4.453	43	1153	0.705 ug/l	#	40
31) Cyclohexane	8.230	56	10749	1.474 ug/l	#	38
36) 1,1-Dichloropropene	8.236	75	37124	5.179 ug/l	#	49
38) Carbon Tetrachloride	8.236	117	46800	6.184 ug/l	#	18
43) Isopropyl Acetate	8.735	43	3842	0.359 ug/l	#	49
71) Bromoform	12.853	173	1479	0.415 ug/l	#	1
75) 1,1,2,2-Tetrachloroethane	12.871	83	166	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.853	75	160505	31.286 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.853	75	160505	96.120 ug/l	#	15

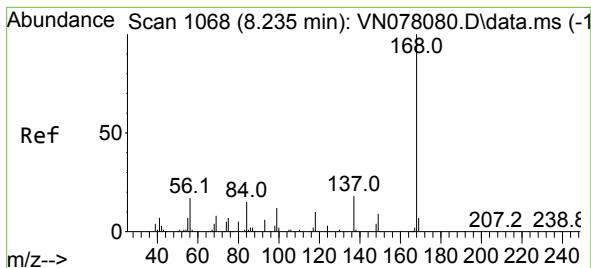
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.236 min Scan# 11

Delta R.T. 0.001 min

Lab File: VN078238.D

Acq: 15 Jun 2023 19:10

Instrument :

MSVOA_N

ClientSampleId :

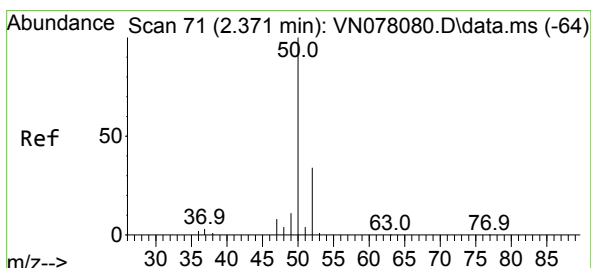
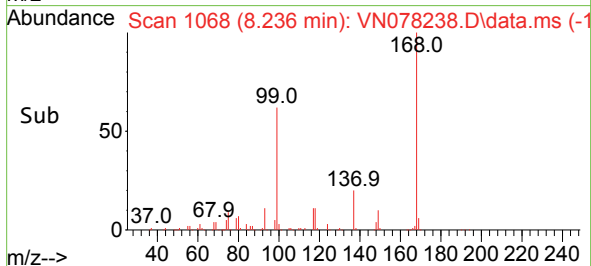
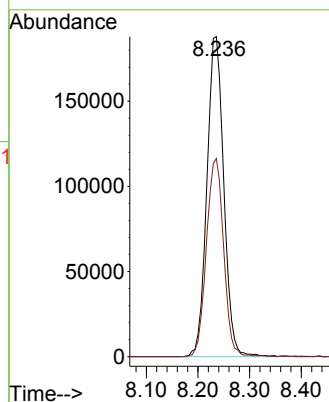
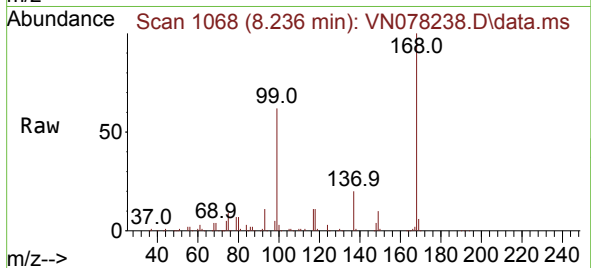
TB

Tgt Ion:168 Resp: 426282

Ion Ratio Lower Upper

168 100

99 62.0 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.371 min Scan# 71

Delta R.T. 0.000 min

Lab File: VN078238.D

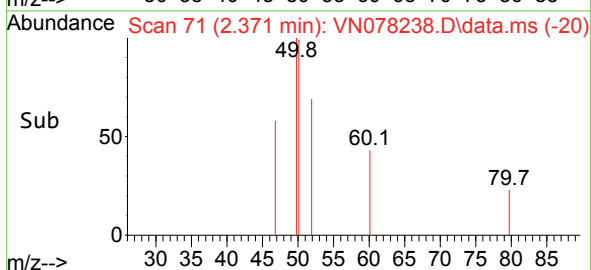
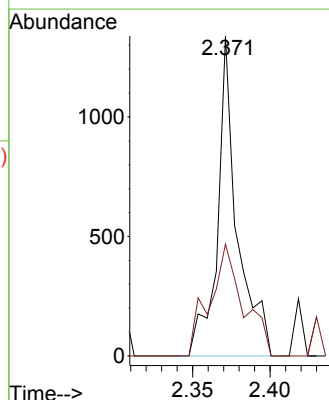
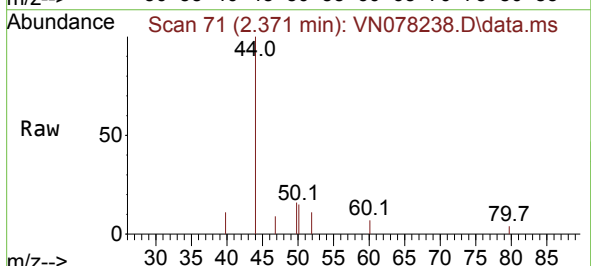
Acq: 15 Jun 2023 19:10

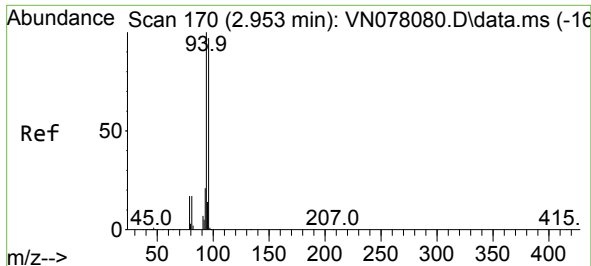
Tgt Ion: 50 Resp: 1184

Ion Ratio Lower Upper

50 100

52 35.0 26.5 39.7

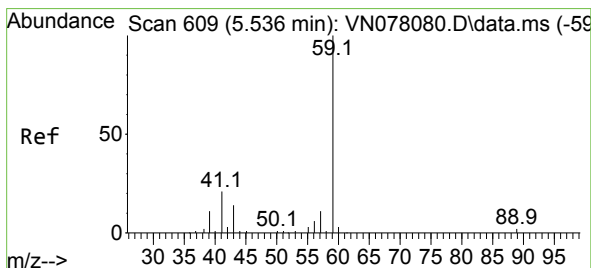
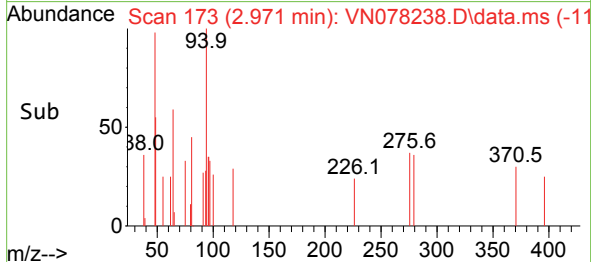
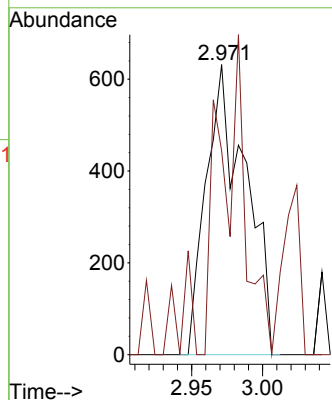
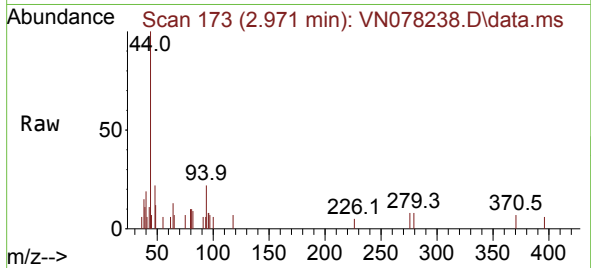




#5
Bromomethane
Concen: 0.257 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN078238.D
Acq: 15 Jun 2023 19:10

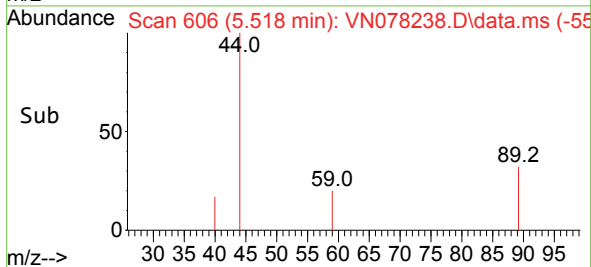
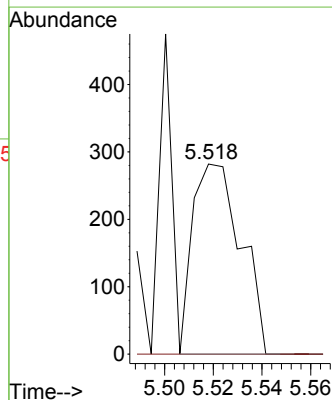
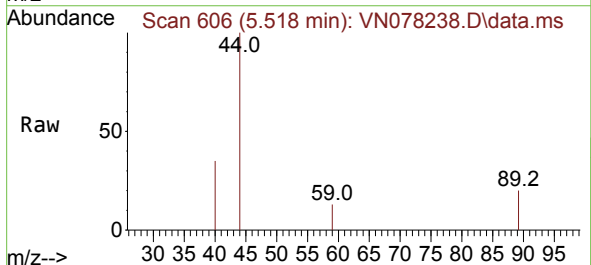
Instrument :
MSVOA_N
ClientSampleId :
TB

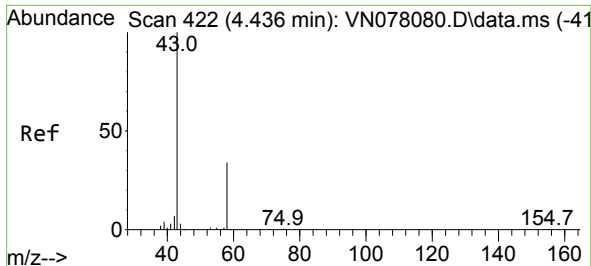
Tgt Ion: 94 Resp: 1226
Ion Ratio Lower Upper
94 100
96 70.3 73.1 109.7#



#11
Tert butyl alcohol
Concen: 0.498 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.018 min
Lab File: VN078238.D
Acq: 15 Jun 2023 19:10

Tgt Ion: 59 Resp: 391
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

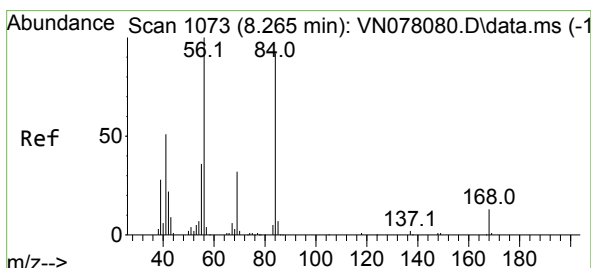
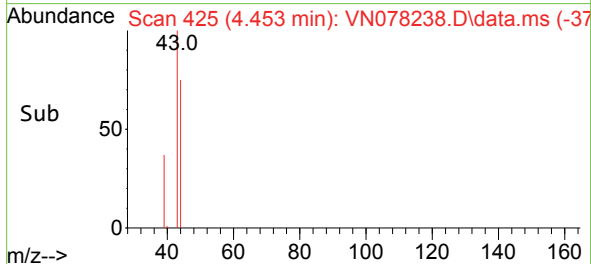
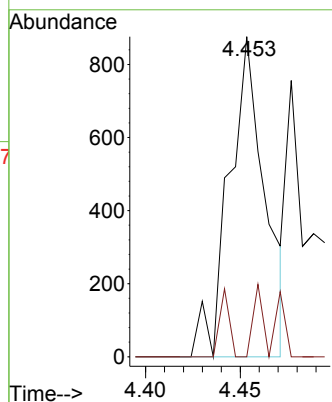
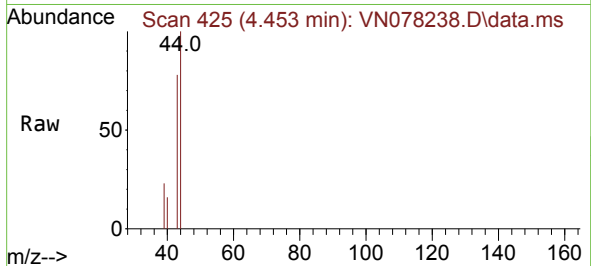




#16
Acetone
Concen: 0.705 ug/l
RT: 4.453 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN078238.D
Acq: 15 Jun 2023 19:10

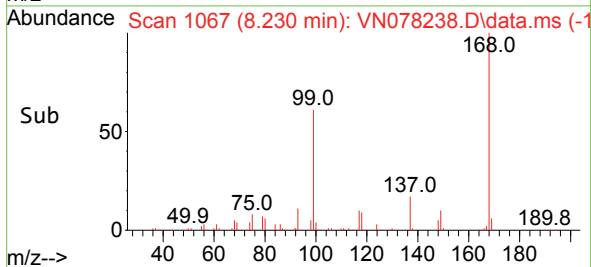
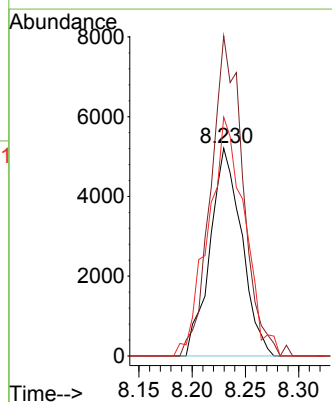
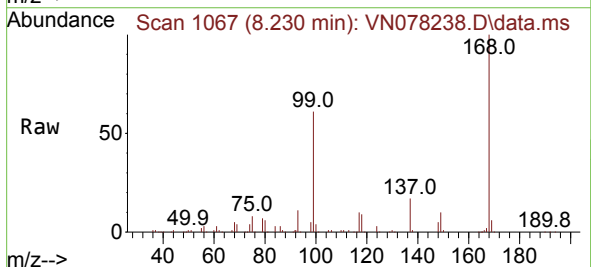
Instrument :
MSVOA_N
ClientSampleId :
TB

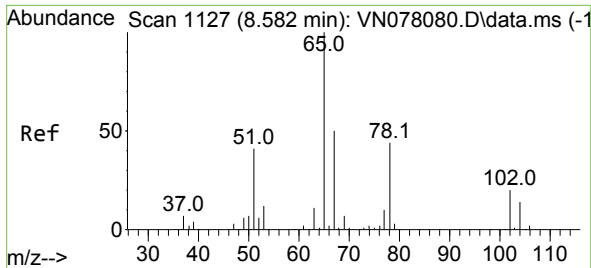
Tgt Ion: 43 Resp: 1153
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#31
Cyclohexane
Concen: 1.474 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN078238.D
Acq: 15 Jun 2023 19:10

Tgt Ion: 56 Resp: 10749
Ion Ratio Lower Upper
56 100
69 154.0 26.8 40.2#
84 114.9 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 54.175 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN078238.D

Acq: 15 Jun 2023 19:10

Instrument :

MSVOA_N

ClientSampleId :

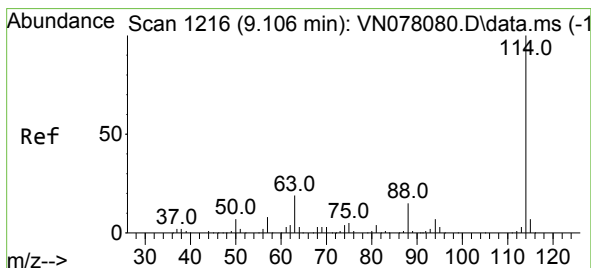
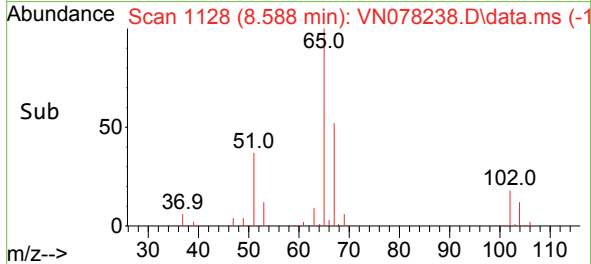
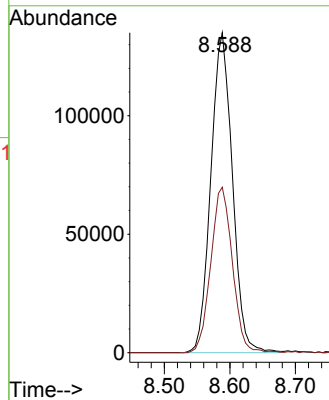
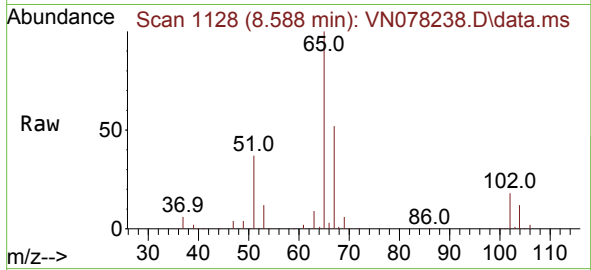
TB

Tgt Ion: 65 Resp: 307912

Ion Ratio Lower Upper

65 100

67 51.9 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: VN078238.D

Acq: 15 Jun 2023 19:10

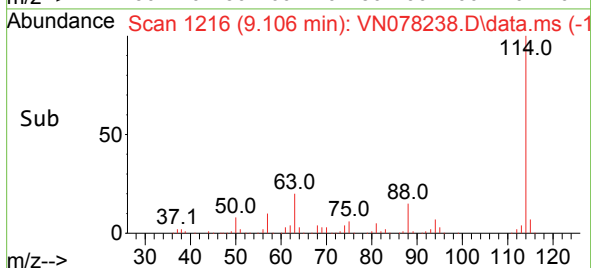
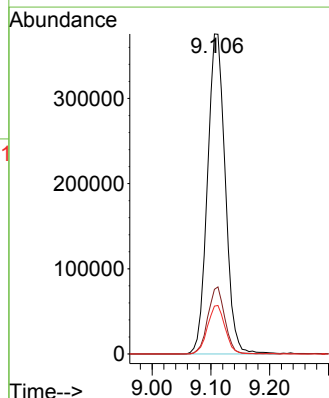
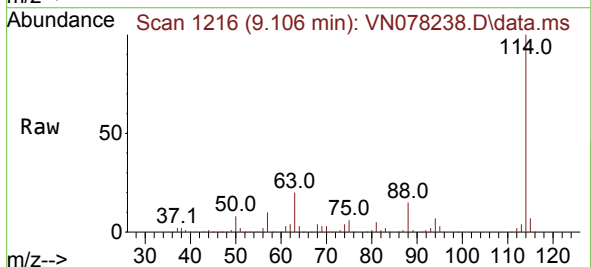
Tgt Ion: 114 Resp: 790308

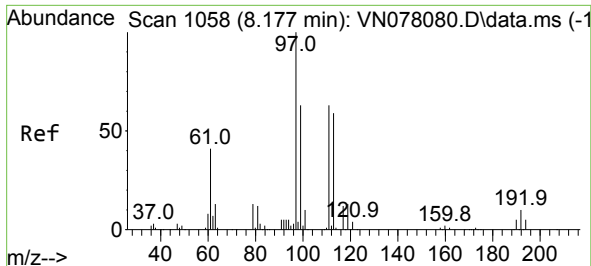
Ion Ratio Lower Upper

114 100

63 20.2 0.0 36.4

88 14.9 0.0 30.6

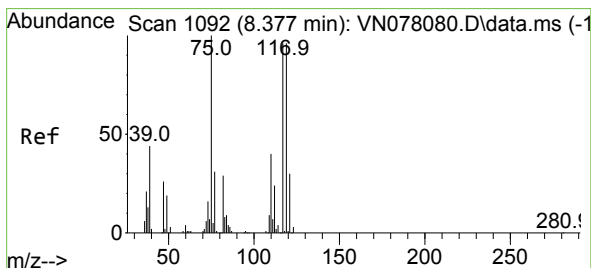
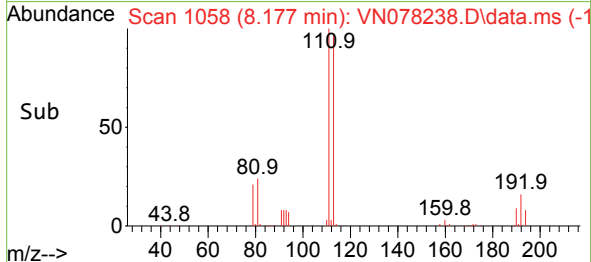
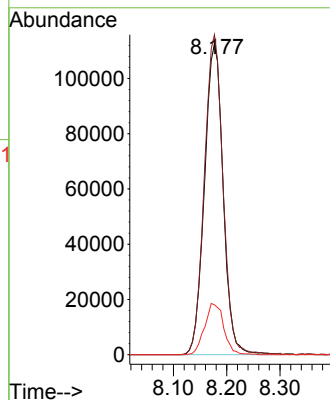
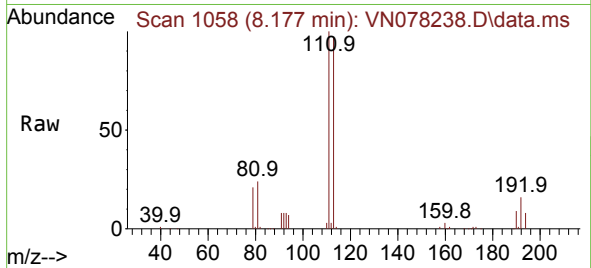




#35
Dibromofluoromethane
Concen: 54.908 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VN078238.D
Acq: 15 Jun 2023 19:10

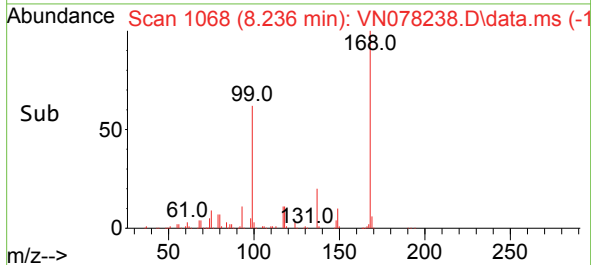
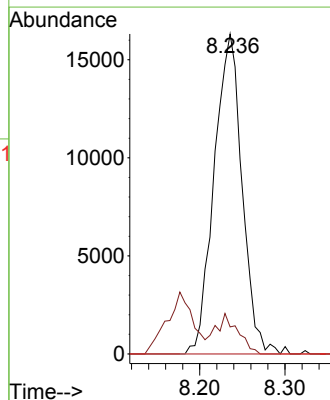
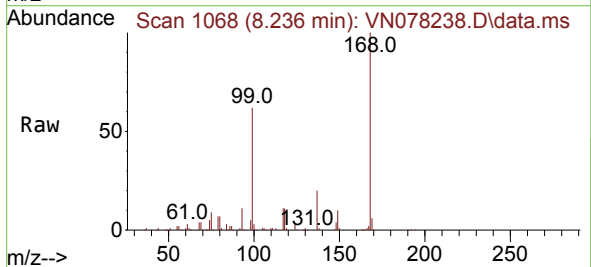
Instrument :
MSVOA_N
ClientSampleId :
TB

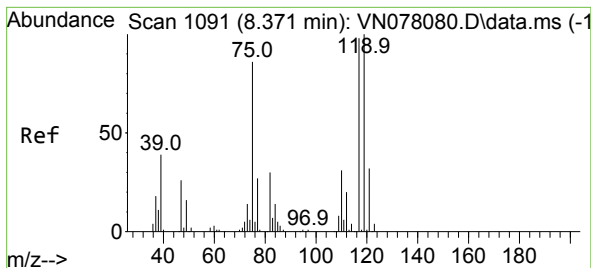
Tgt Ion:113 Resp: 274377
Ion Ratio Lower Upper
113 100
111 102.8 82.6 123.8
192 16.9 12.7 19.1



#36
1,1-Dichloropropene
Concen: 5.179 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VN078238.D
Acq: 15 Jun 2023 19:10

Tgt Ion: 75 Resp: 37124
Ion Ratio Lower Upper
75 100
110 10.2 19.1 57.3#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.184 ug/l

RT: 8.236 min Scan# 1105

Delta R.T. -0.135 min

Lab File: VN078238.D

Acq: 15 Jun 2023 19:10

Instrument :

MSVOA_N

ClientSampleId :

TB

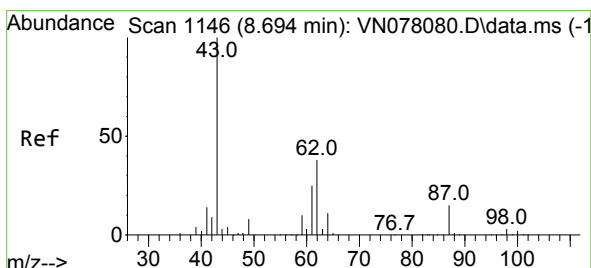
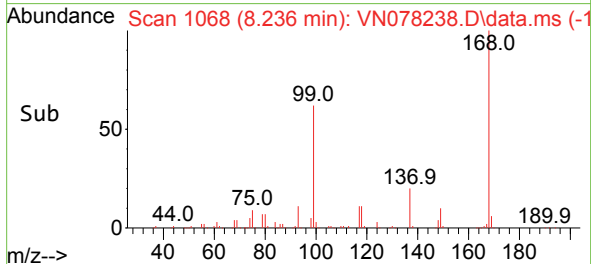
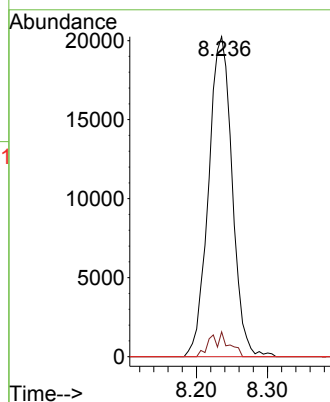
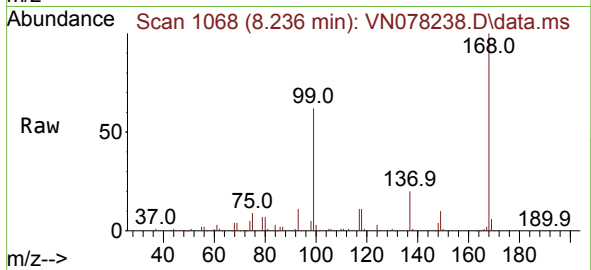
Tgt Ion:117 Resp: 46800

Ion Ratio Lower Upper

117 100

119 7.7 77.3 115.9#

121 0.0 23.3 34.9#



#43

Isopropyl Acetate

Concen: 0.359 ug/l

RT: 8.735 min Scan# 1153

Delta R.T. 0.041 min

Lab File: VN078238.D

Acq: 15 Jun 2023 19:10

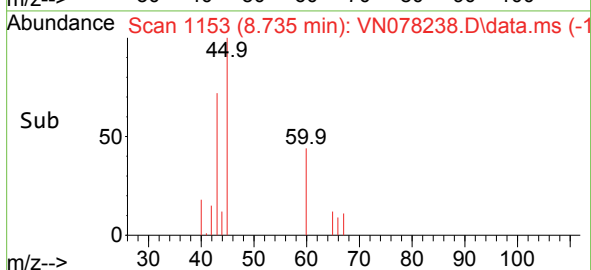
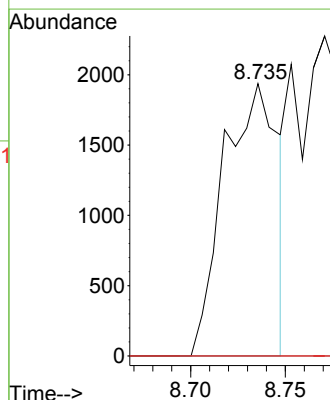
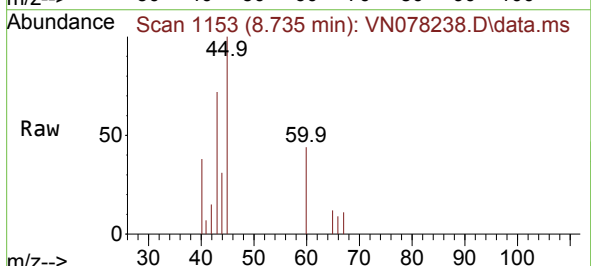
Tgt Ion: 43 Resp: 3842

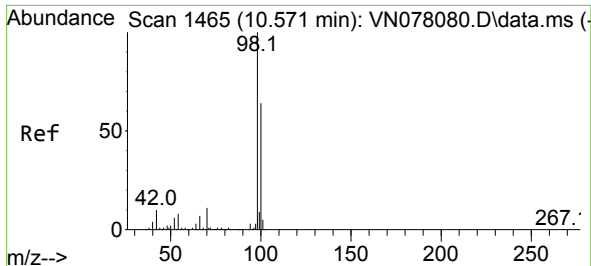
Ion Ratio Lower Upper

43 100

61 0.0 24.7 37.1#

87 0.0 14.6 21.8#

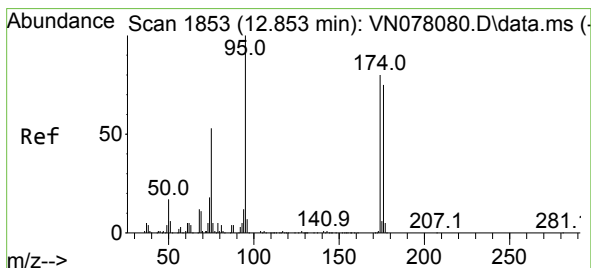
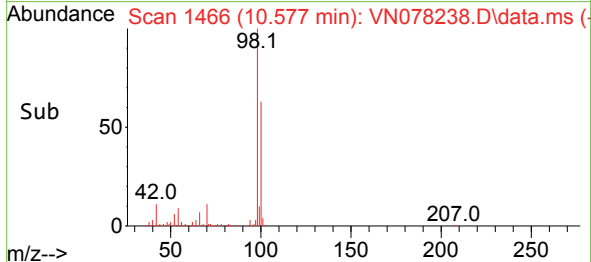
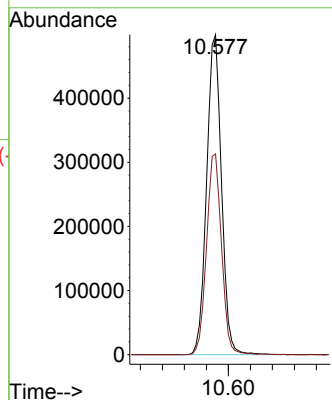
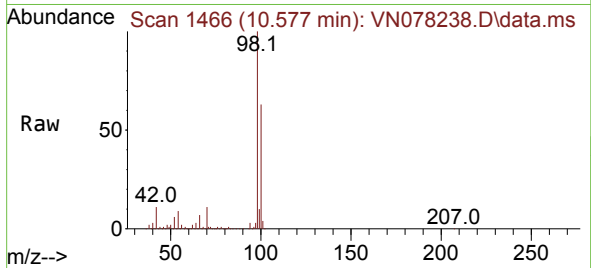




#50
Toluene-d8
Concen: 48.516 ug/l
RT: 10.577 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN078238.D
Acq: 15 Jun 2023 19:10

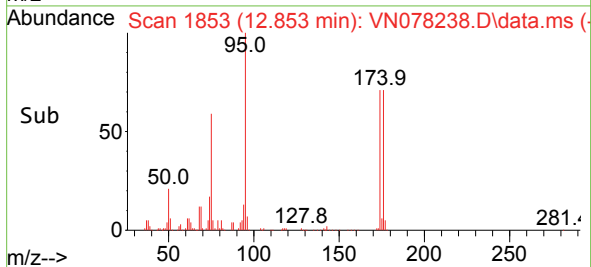
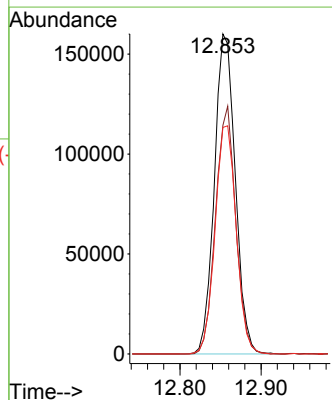
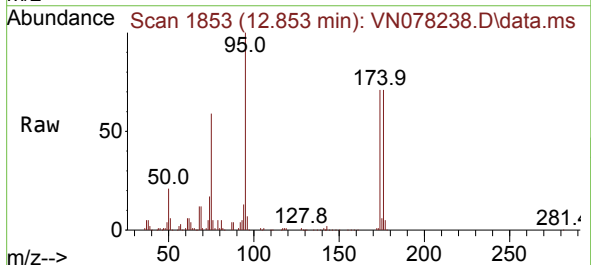
Instrument :
MSVOA_N
ClientSampleId :
TB

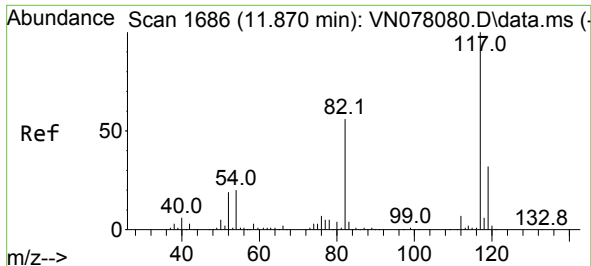
Tgt Ion: 98 Resp: 934620
Ion Ratio Lower Upper
98 100
100 63.4 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 47.849 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078238.D
Acq: 15 Jun 2023 19:10

Tgt Ion: 95 Resp: 286556
Ion Ratio Lower Upper
95 100
174 74.8 0.0 143.8
176 72.2 0.0 135.8

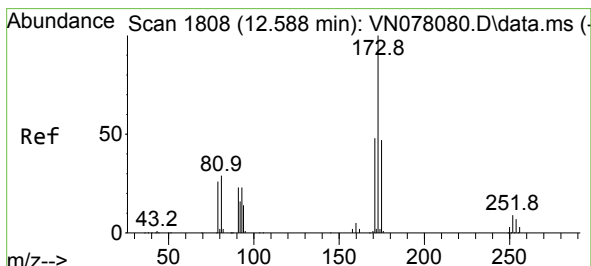
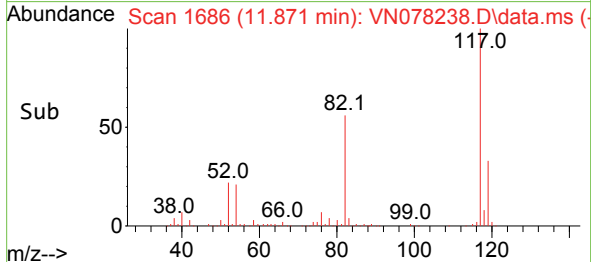
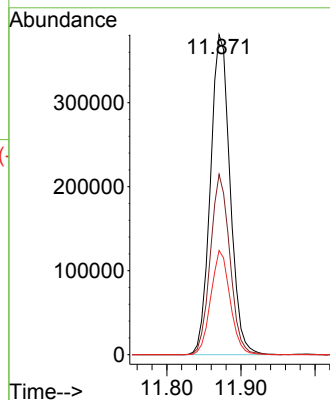
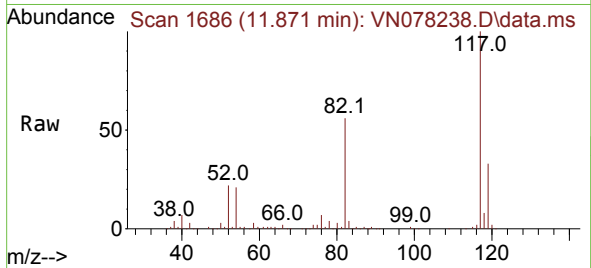




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN078238.D
Acq: 15 Jun 2023 19:10

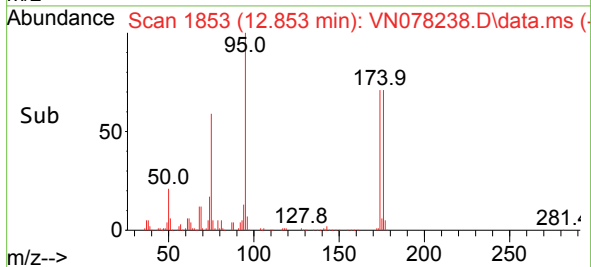
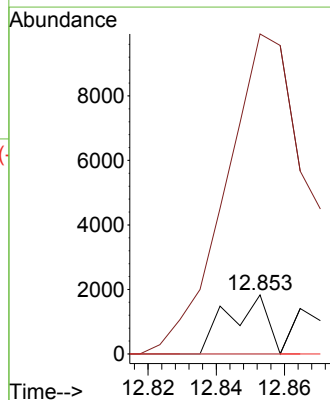
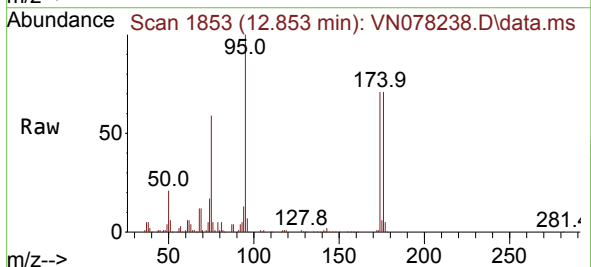
Instrument :
MSVOA_N
ClientSampleId :
TB

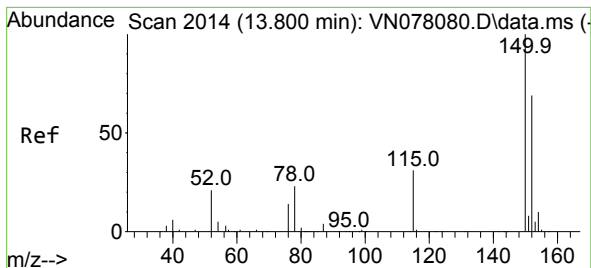
Tgt Ion:117 Resp: 701948
Ion Ratio Lower Upper
117 100
82 56.4 44.0 66.0
119 32.5 25.6 38.4



#71
Bromoform
Concen: 0.415 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.265 min
Lab File: VN078238.D
Acq: 15 Jun 2023 19:10

Tgt Ion:173 Resp: 1479
Ion Ratio Lower Upper
173 100
175 958.7 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: VN078238.D

Acq: 15 Jun 2023 19:10

Instrument :

MSVOA_N

ClientSampleId :

TB

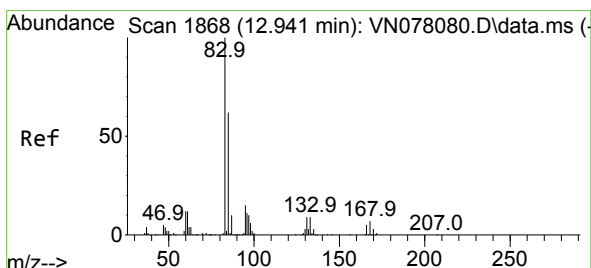
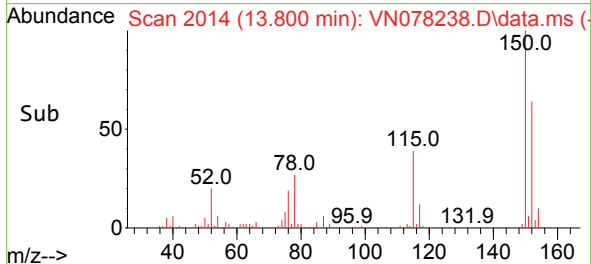
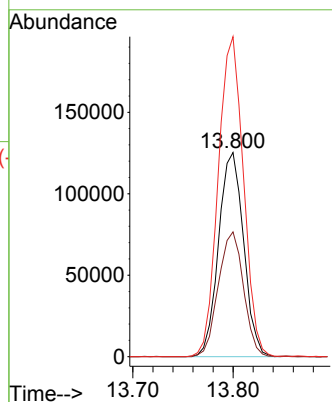
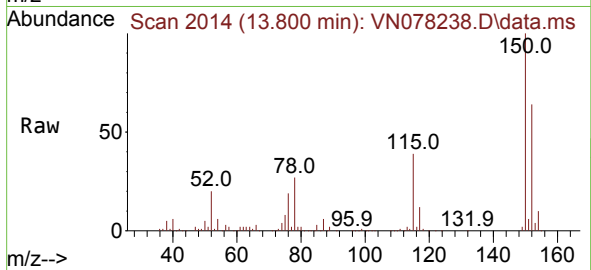
Tgt Ion:152 Resp: 217014

Ion Ratio Lower Upper

152 100

115 61.4 32.3 96.8

150 158.0 0.0 355.8



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.871 min Scan# 1856

Delta R.T. -0.071 min

Lab File: VN078238.D

Acq: 15 Jun 2023 19:10

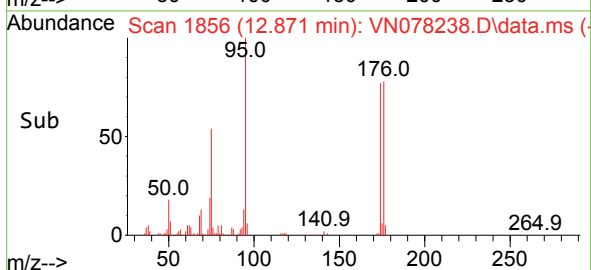
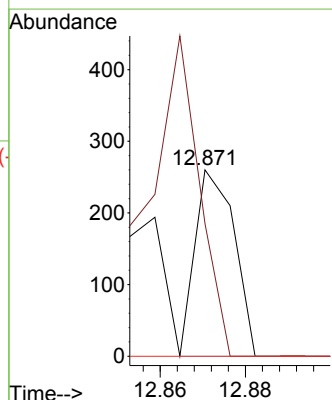
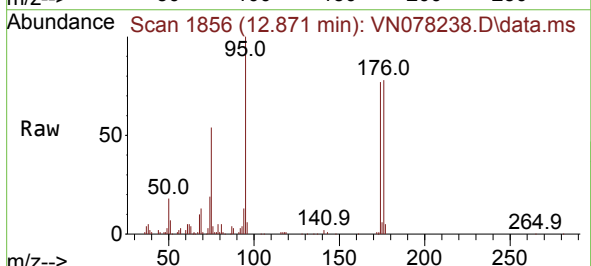
Tgt Ion: 83 Resp: 166

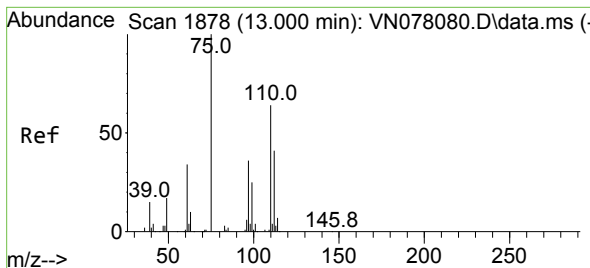
Ion Ratio Lower Upper

83 100

131 221.1 5.0 15.0#

85 0.0 31.9 95.7#





#76

1,2,3-Trichloropropane

Concen: 31.286 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN078238.D

Acq: 15 Jun 2023 19:10

Instrument :

MSVOA_N

ClientSampleId :

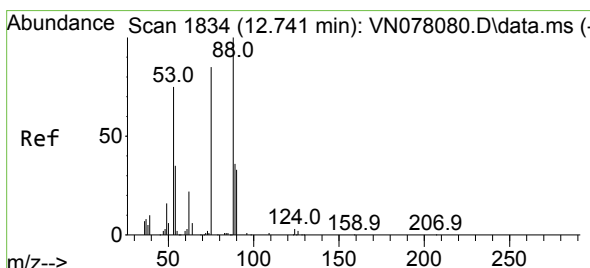
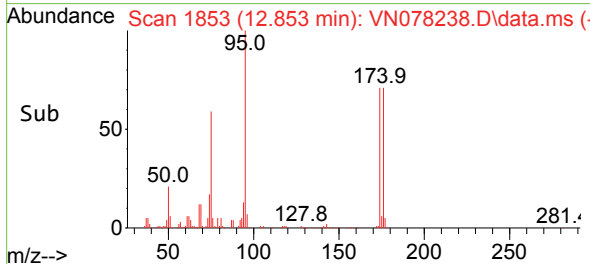
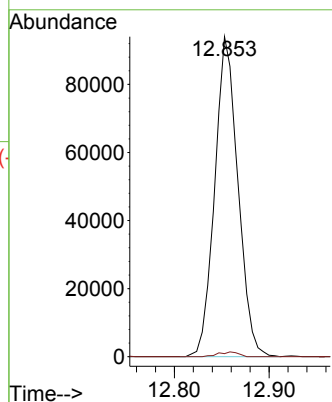
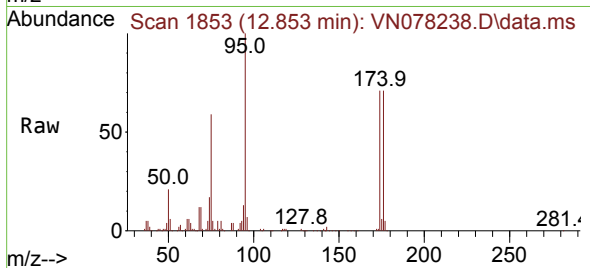
TB

Tgt Ion: 75 Resp: 160505

Ion Ratio Lower Upper

75 100

77 1.3 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 96.120 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN078238.D

Acq: 15 Jun 2023 19:10

Tgt Ion: 75 Resp: 160505

Ion Ratio Lower Upper

75 100

53 0.1 67.4 101.2#

89 0.0 38.8 58.2#

