

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061623\
 Data File : VN078258.D
 Acq On : 16 Jun 2023 14:29
 Operator : JC\MD
 Sample : 03317-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 17 02:23:31 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)

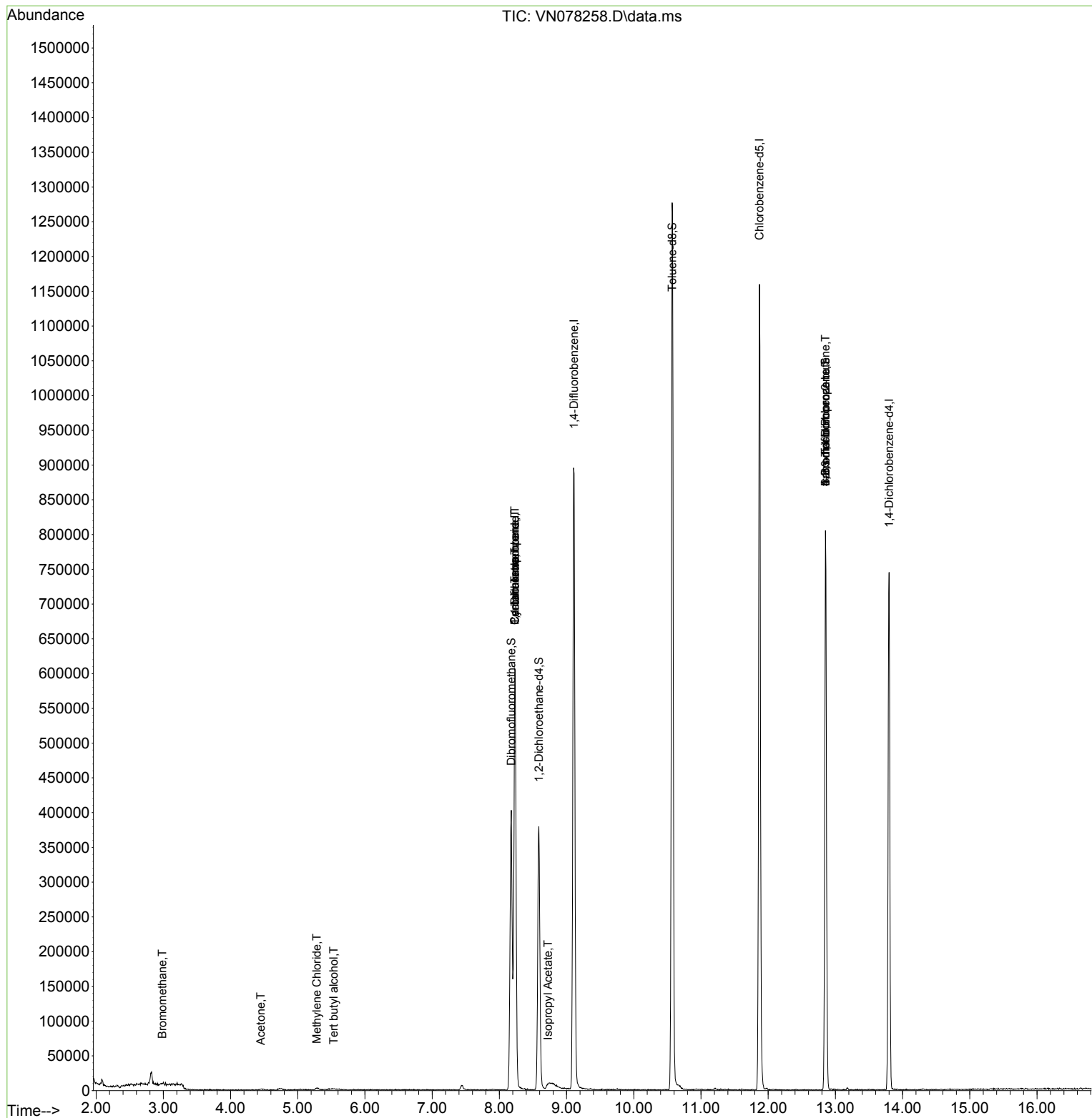
Internal Standards						
1) Pentafluorobenzene	8.230	168	436155	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	799220	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	694567	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	204953	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	312987	53.821	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.640%			
35) Dibromofluoromethane	8.177	113	274282	54.277	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.560%			
50) Toluene-d8	10.571	98	932679	47.876	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.760%			
62) 4-Bromofluorobenzene	12.853	95	280659	46.342	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 92.680%			
Target Compounds			Qvalue			
3) Chloromethane	2.371	50	1243	Below Cal		96
5) Bromomethane	2.983	94	1713	0.351 ug/l #		69
11) Tert butyl alcohol	5.536	59	311	0.387 ug/l #		72
16) Acetone	4.448	43	1142	0.682 ug/l #		40
20) Methylene Chloride	5.283	84	1844	0.333 ug/l #		64
31) Cyclohexane	8.230	56	11380	1.526 ug/l #		62
36) 1,1-Dichloropropene	8.230	75	37089	5.117 ug/l #		47
38) Carbon Tetrachloride	8.230	117	46693	6.101 ug/l #		16
43) Isopropyl Acetate	8.724	43	6043	0.558 ug/l #		49
71) Bromoform	12.853	173	2065	0.585 ug/l #		1
75) 1,1,2,2-Tetrachloroethane	12.853	83	220	Below Cal #		1
76) 1,2,3-Trichloropropane	12.853	75	151176	31.201 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.853	75	151176	95.861 ug/l #		15

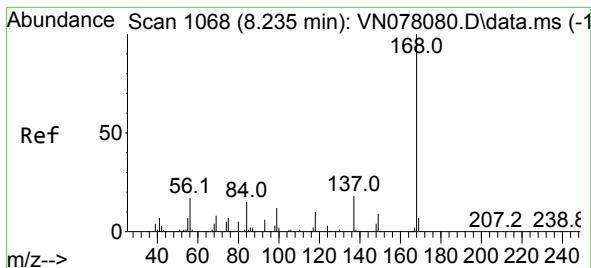
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.005 min

Lab File: VN078258.D

Acq: 16 Jun 2023 14:29

Instrument :

MSVOA_N

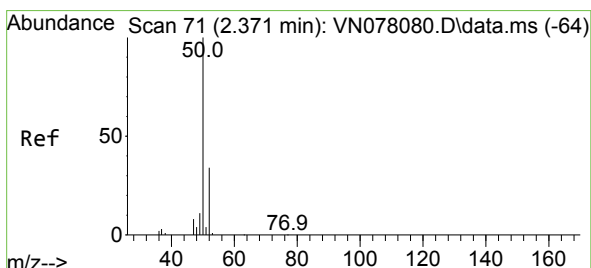
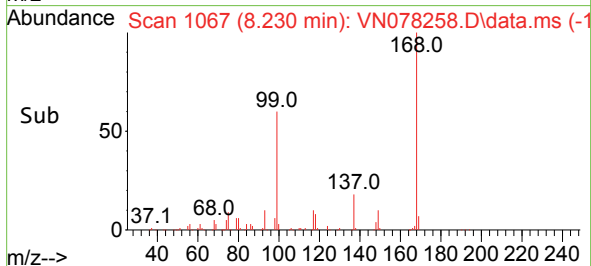
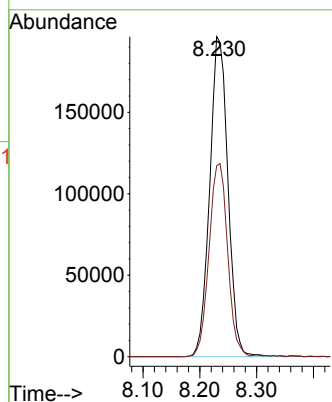
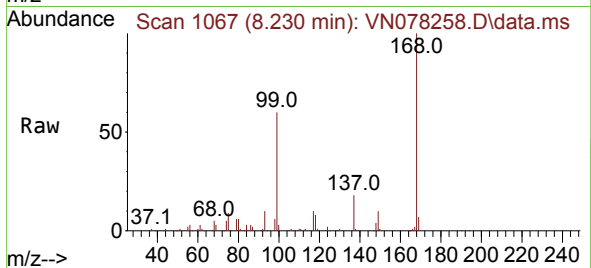
ClientSampleId :

Tgt Ion:168 Resp: 436155

Ion Ratio Lower Upper

168 100

99 59.6 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.371 min Scan# 71

Delta R.T. 0.000 min

Lab File: VN078258.D

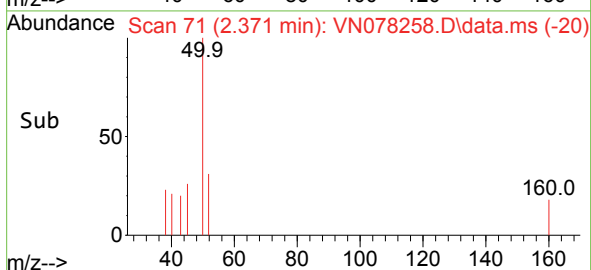
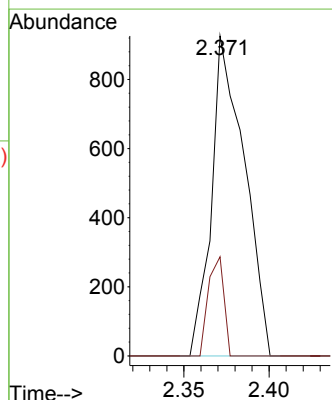
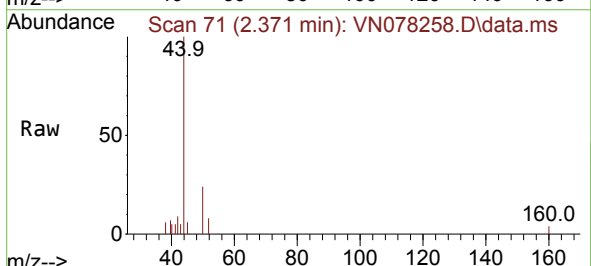
Acq: 16 Jun 2023 14:29

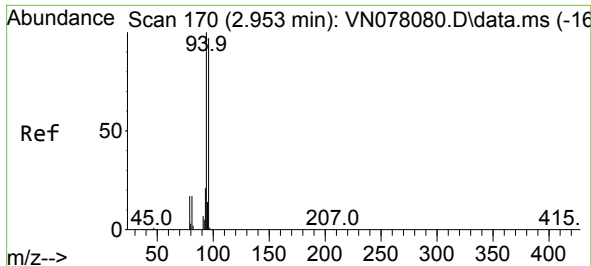
Tgt Ion: 50 Resp: 1243

Ion Ratio Lower Upper

50 100

52 31.0 26.5 39.7

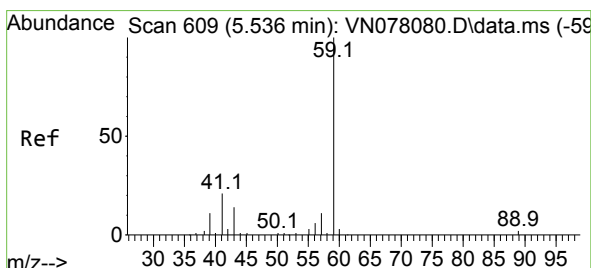
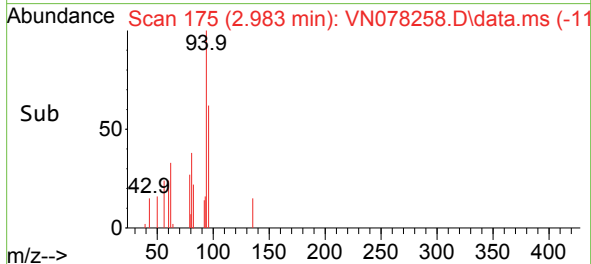
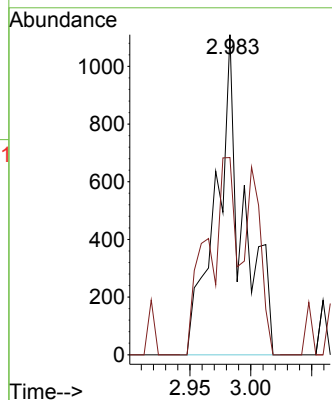
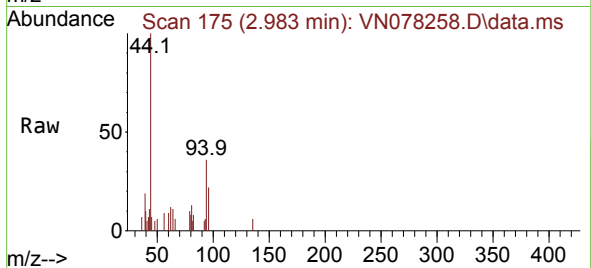




#5
Bromomethane
Concen: 0.351 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN078258.D
Acq: 16 Jun 2023 14:29

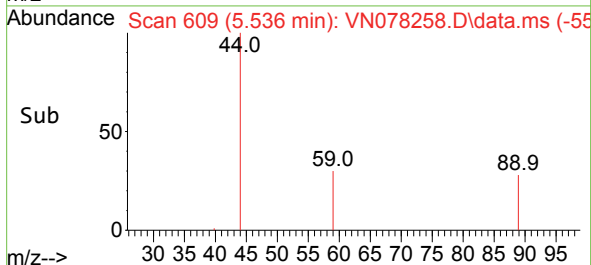
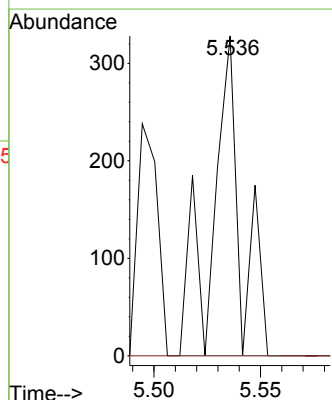
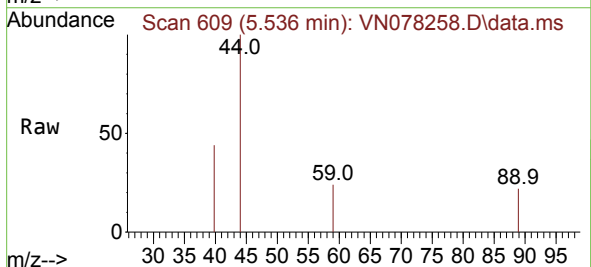
Instrument :
MSVOA_N
ClientSampleId :

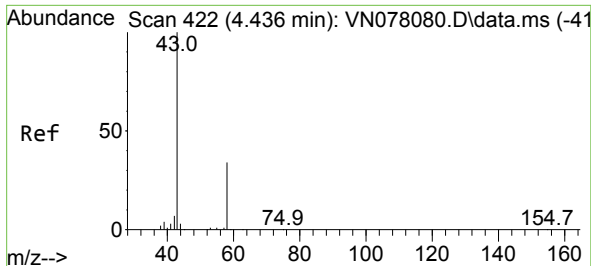
Tgt Ion: 94 Resp: 1713
Ion Ratio Lower Upper
94 100
96 61.6 73.1 109.7#



#11
Tert butyl alcohol
Concen: 0.387 ug/l
RT: 5.536 min Scan# 609
Delta R.T. 0.000 min
Lab File: VN078258.D
Acq: 16 Jun 2023 14:29

Tgt Ion: 59 Resp: 311
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

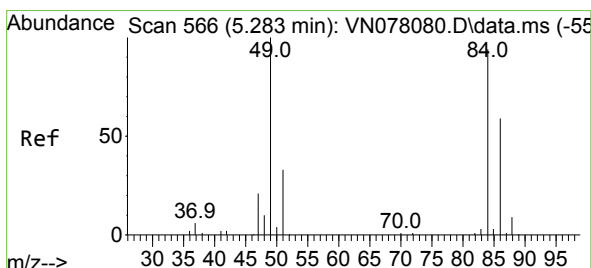
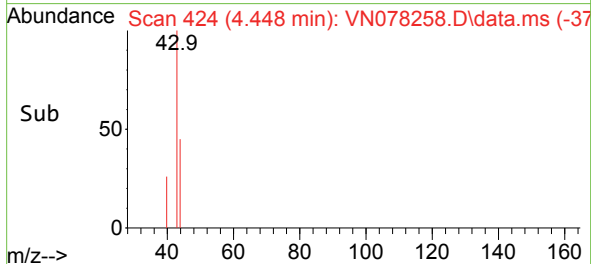
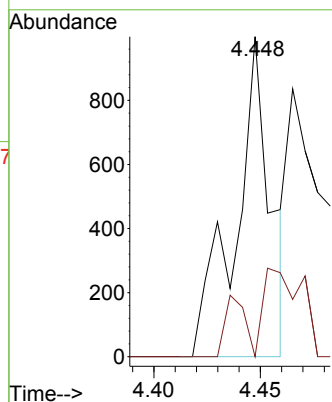
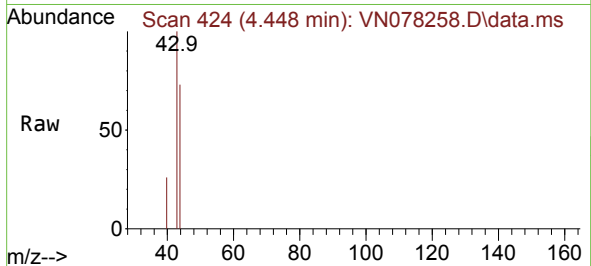




#16
Acetone
Concen: 0.682 ug/l
RT: 4.448 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN078258.D
Acq: 16 Jun 2023 14:29

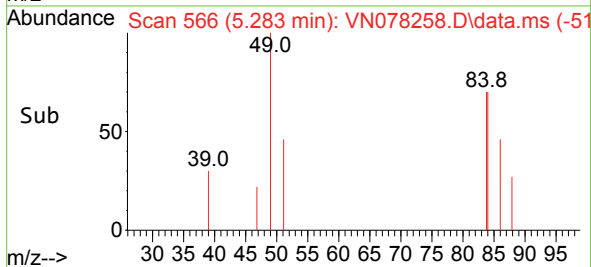
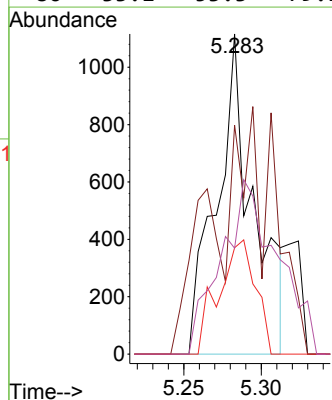
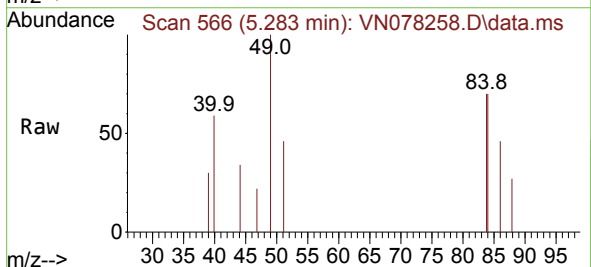
Instrument :
MSVOA_N
ClientSampleId :

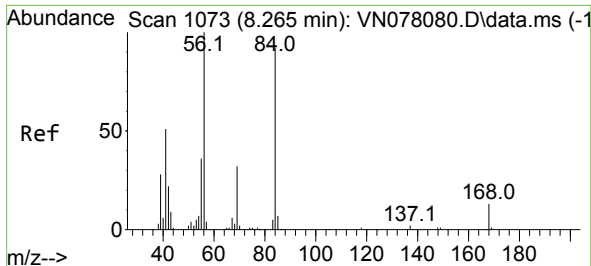
Tgt Ion: 43 Resp: 1142
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#20
Methylene Chloride
Concen: 0.333 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.000 min
Lab File: VN078258.D
Acq: 16 Jun 2023 14:29

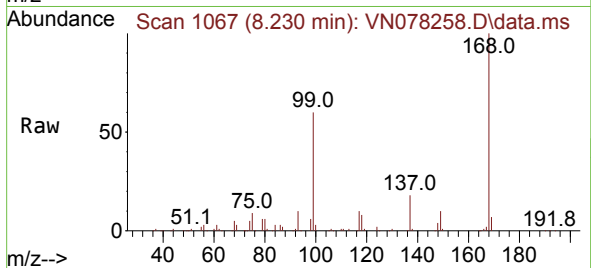
Tgt Ion: 84 Resp: 1844
Ion Ratio Lower Upper
84 100
49 57.6 79.7 119.5#
51 33.2 25.2 37.8
86 33.1 53.3 79.9#



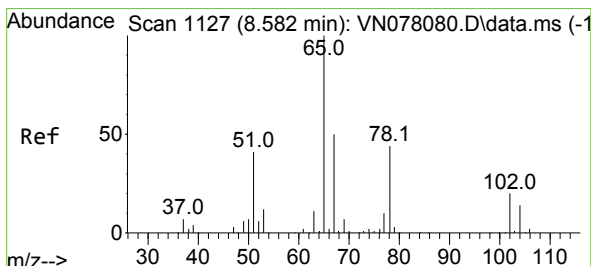
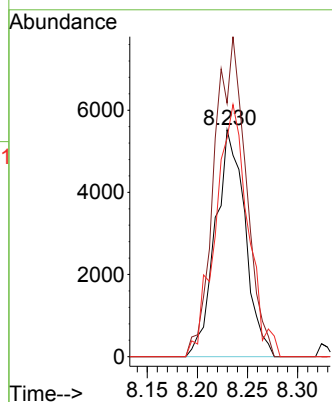
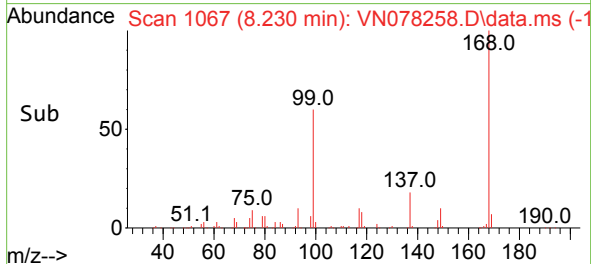


#31
Cyclohexane
Concen: 1.526 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN078258.D
Acq: 16 Jun 2023 14:29

Instrument :
MSVOA_N
ClientSampleId :

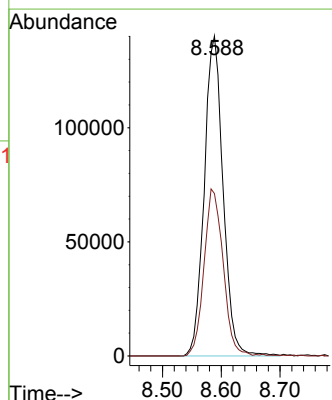
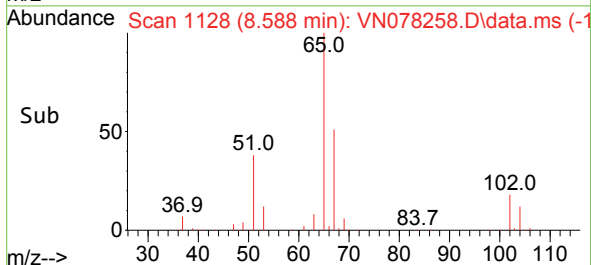
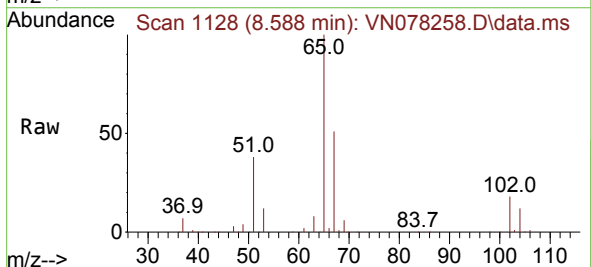


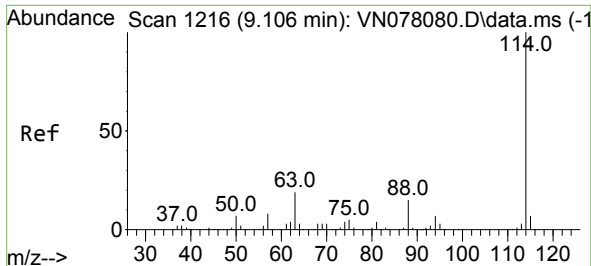
Tgt Ion: 56 Resp: 11380
Ion Ratio Lower Upper
56 100
69 111.7 26.8 40.2#
84 96.2 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 53.821 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN078258.D
Acq: 16 Jun 2023 14:29

Tgt Ion: 65 Resp: 312987
Ion Ratio Lower Upper
65 100
67 52.9 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN078258.D

Acq: 16 Jun 2023 14:29

Instrument :

MSVOA_N

ClientSampleId :

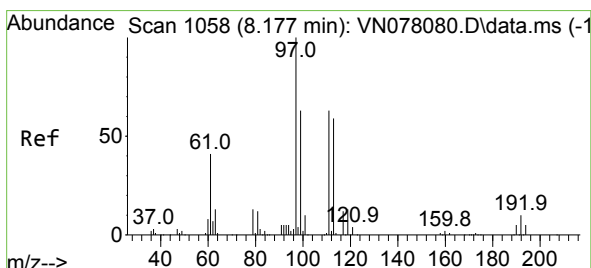
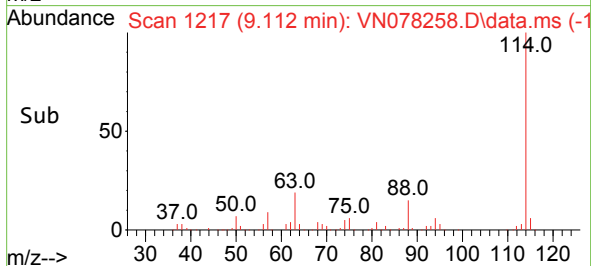
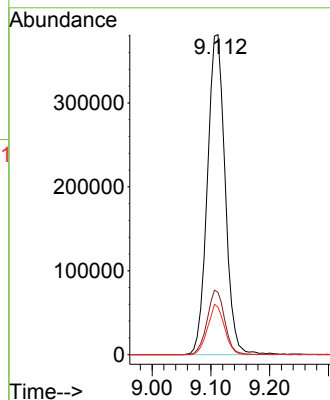
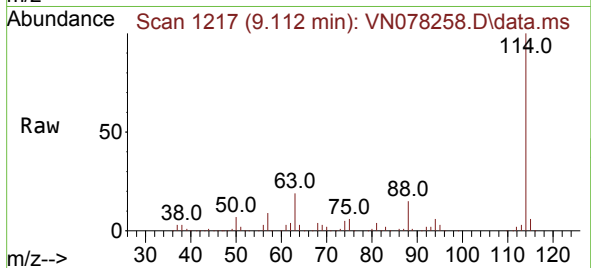
Tgt Ion:114 Resp: 799220

Ion Ratio Lower Upper

114 100

63 19.5 0.0 36.4

88 14.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 54.277 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VN078258.D

Acq: 16 Jun 2023 14:29

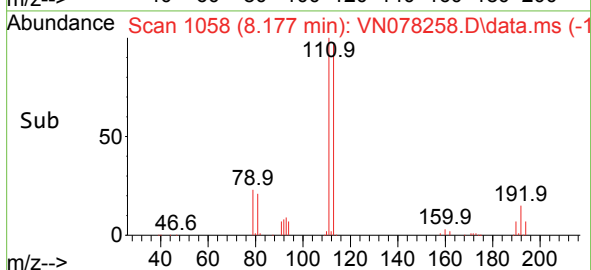
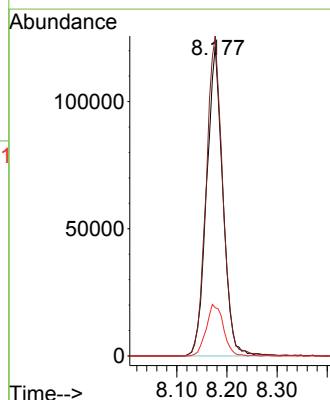
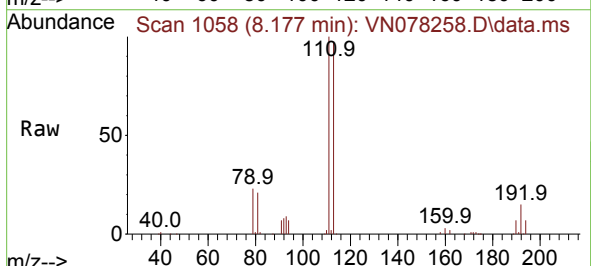
Tgt Ion:113 Resp: 274282

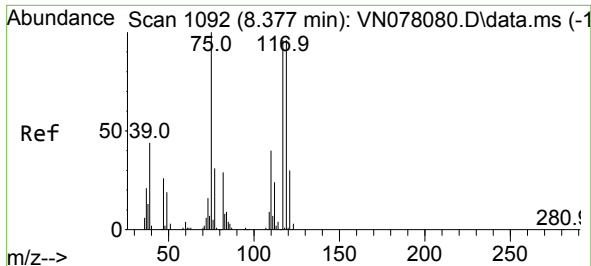
Ion Ratio Lower Upper

113 100

111 105.1 82.6 123.8

192 17.6 12.7 19.1

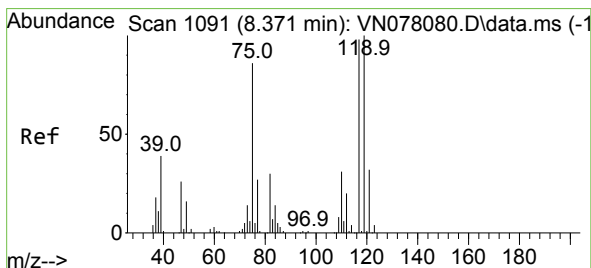
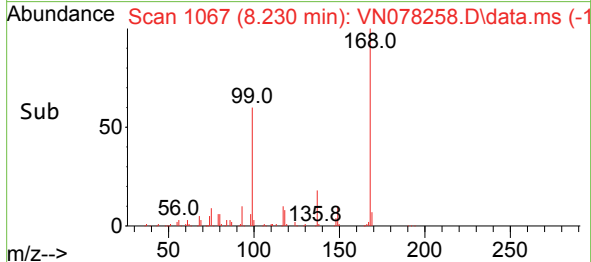
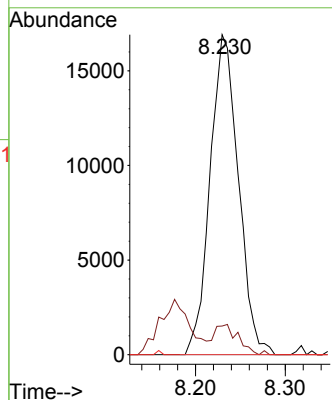
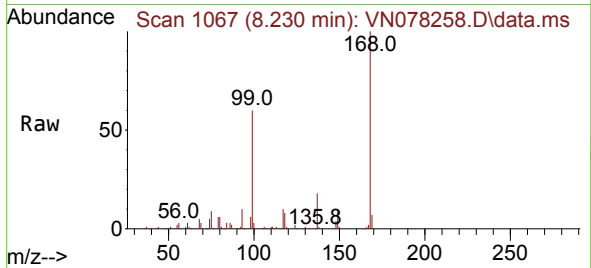




#36
1,1-Dichloropropene
Concen: 5.117 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN078258.D
Acq: 16 Jun 2023 14:29

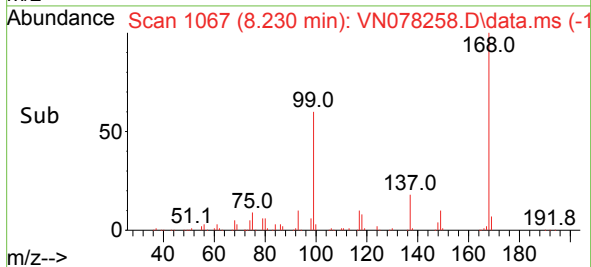
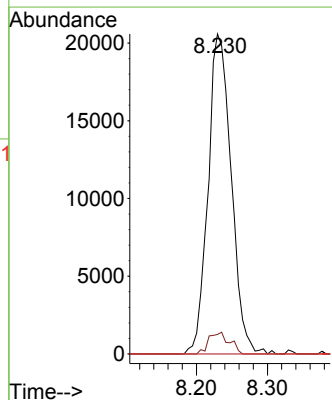
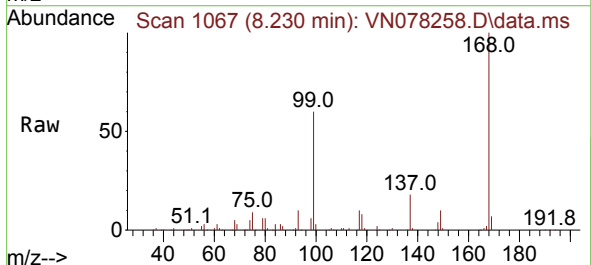
Instrument :
MSVOA_N
ClientSampleId :

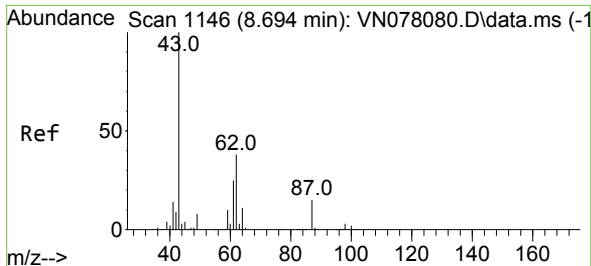
Tgt Ion: 75 Resp: 37089
Ion Ratio Lower Upper
75 100
110 8.0 19.1 57.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 6.101 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN078258.D
Acq: 16 Jun 2023 14:29

Tgt Ion: 117 Resp: 46693
Ion Ratio Lower Upper
117 100
119 6.1 77.3 115.9#
121 0.0 23.3 34.9#

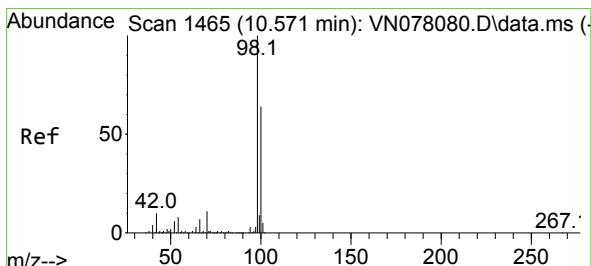
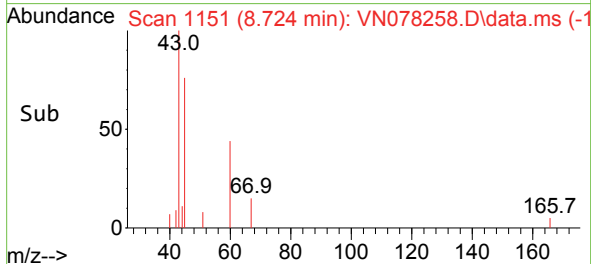
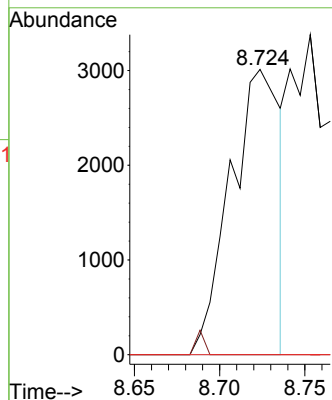
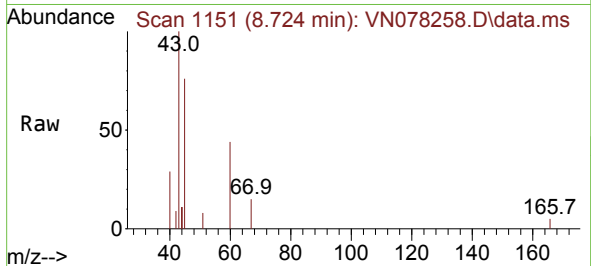




#43
Isopropyl Acetate
Concen: 0.558 ug/l
RT: 8.724 min Scan# 1146
Delta R.T. 0.029 min
Lab File: VN078258.D
Acq: 16 Jun 2023 14:29

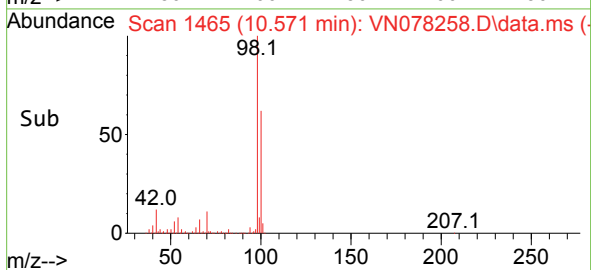
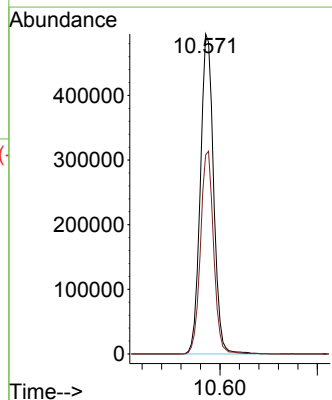
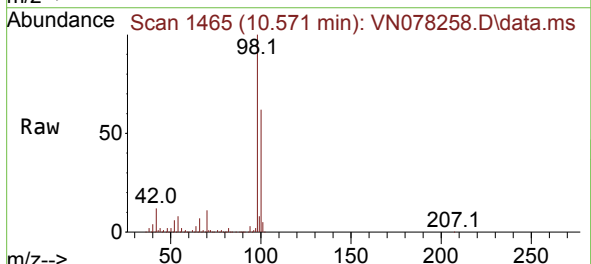
Instrument :
MSVOA_N
ClientSampleId :

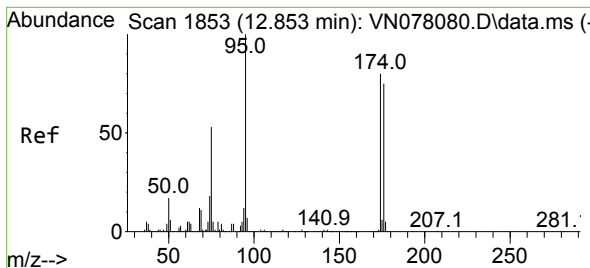
Tgt Ion: 43 Resp: 6043
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#50
Toluene-d8
Concen: 47.876 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN078258.D
Acq: 16 Jun 2023 14:29

Tgt Ion: 98 Resp: 932679
Ion Ratio Lower Upper
98 100
100 63.0 52.0 78.0

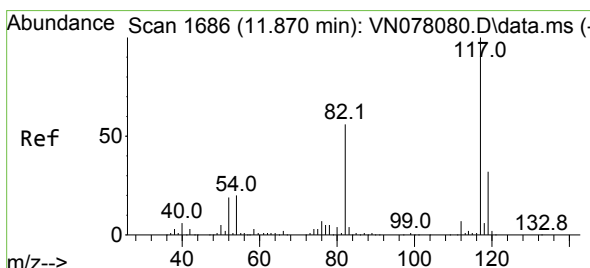
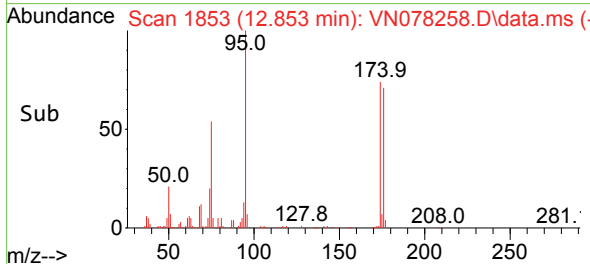
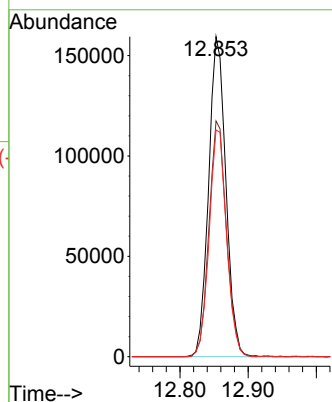
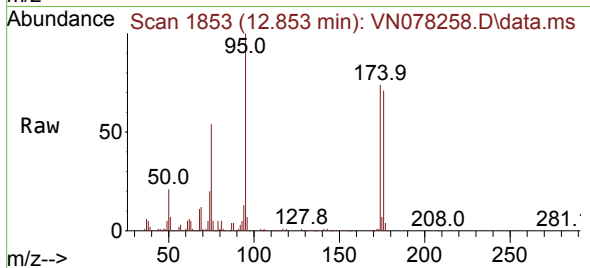




#62
4-Bromofluorobenzene
Concen: 46.342 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078258.D
Acq: 16 Jun 2023 14:29

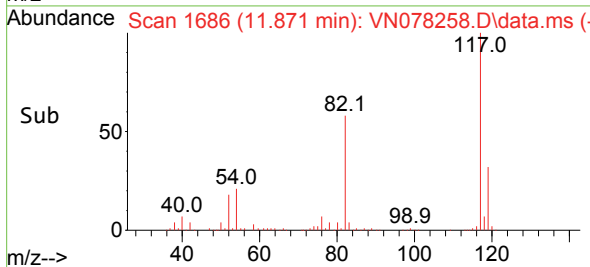
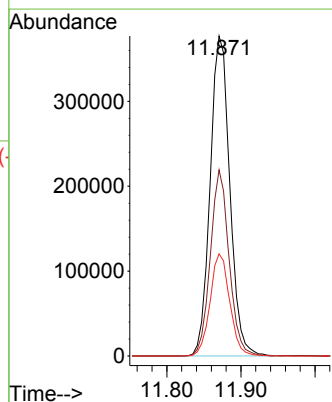
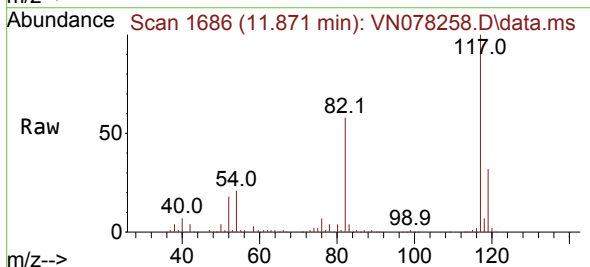
Instrument :
MSVOA_N
ClientSampleId :

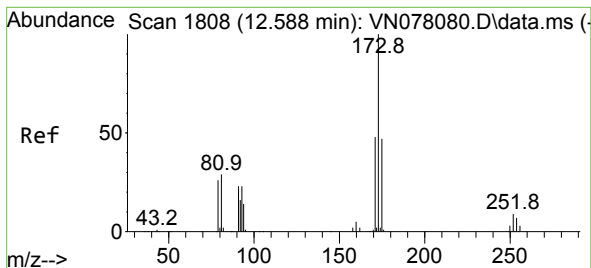
Tgt Ion: 95 Resp: 280659
Ion Ratio Lower Upper
95 100
174 74.5 0.0 143.8
176 71.2 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN078258.D
Acq: 16 Jun 2023 14:29

Tgt Ion: 117 Resp: 694567
Ion Ratio Lower Upper
117 100
82 58.1 44.0 66.0
119 31.9 25.6 38.4





#71

Bromoform

Concen: 0.585 ug/l

RT: 12.853 min Scan# 11

Delta R.T. 0.265 min

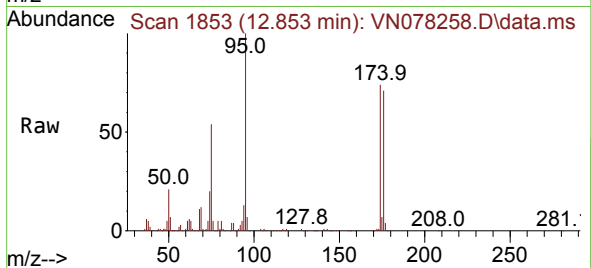
Lab File: VN078258.D

Acq: 16 Jun 2023 14:29

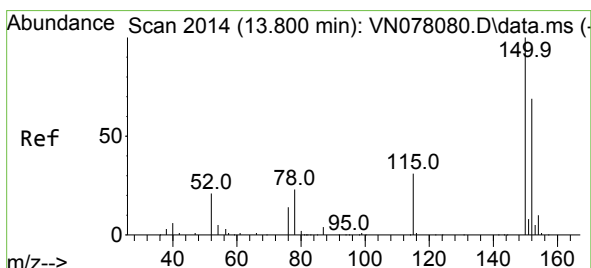
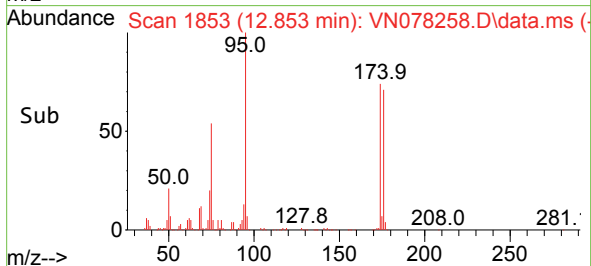
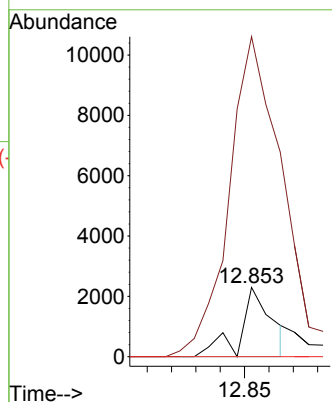
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	173	Resp:	2065
Ion Ratio	Lower	Upper	
173	100		
175	678.9	24.3	73.0#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

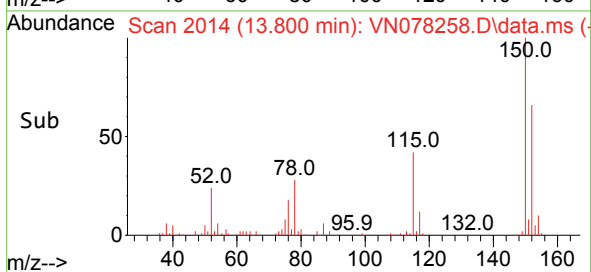
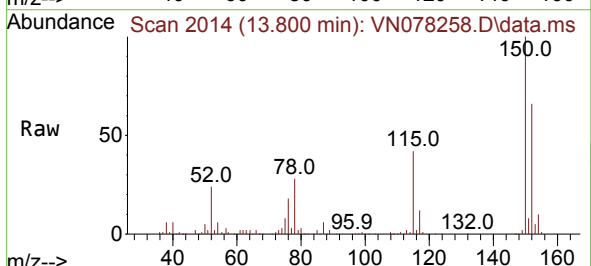
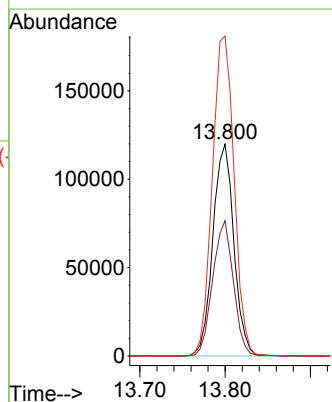
RT: 13.800 min Scan# 2014

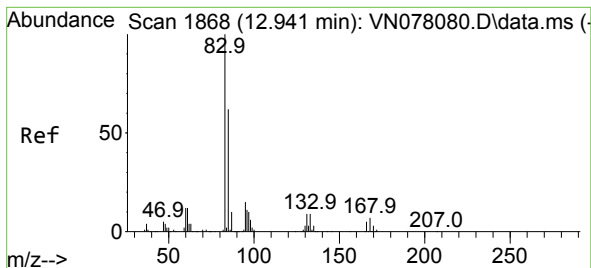
Delta R.T. 0.000 min

Lab File: VN078258.D

Acq: 16 Jun 2023 14:29

Tgt Ion:	152	Resp:	204953
Ion Ratio	Lower	Upper	
152	100		
115	62.9	32.3	96.8
150	156.7	0.0	355.8





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.853 min Scan# 1853

Delta R.T. -0.088 min

Lab File: VN078258.D

Acq: 16 Jun 2023 14:29

Instrument :

MSVOA_N

ClientSampleId :

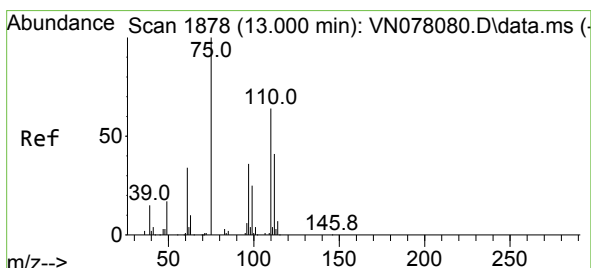
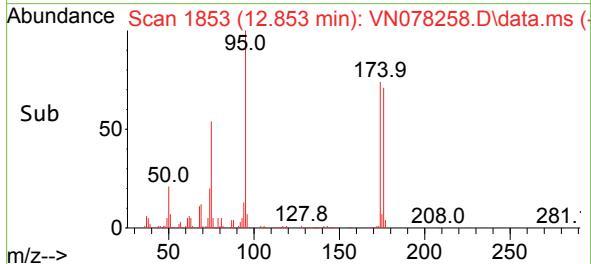
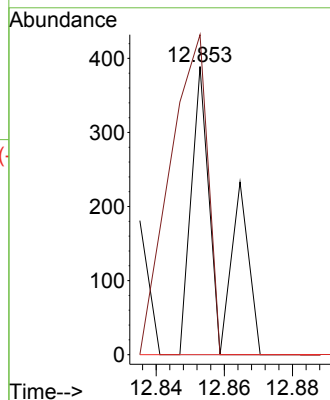
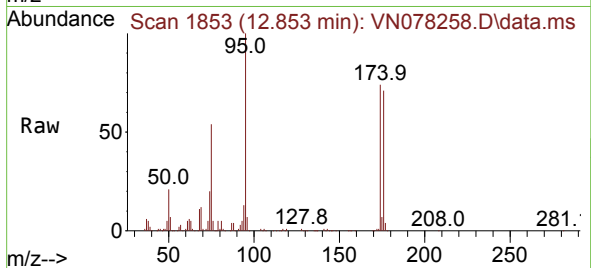
Tgt Ion: 83 Resp: 220

Ion Ratio Lower Upper

83 100

131 151.4 5.0 15.0#

85 0.0 31.9 95.7#



#76

1,2,3-Trichloropropane

Concen: 31.201 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN078258.D

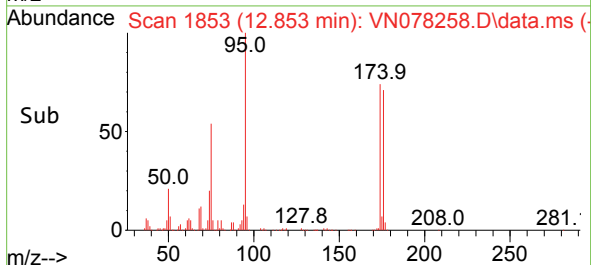
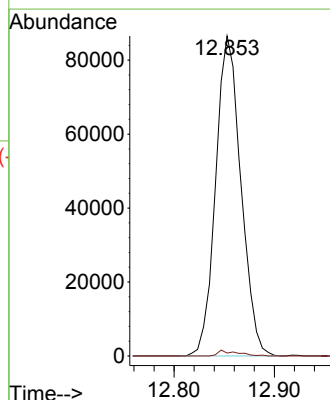
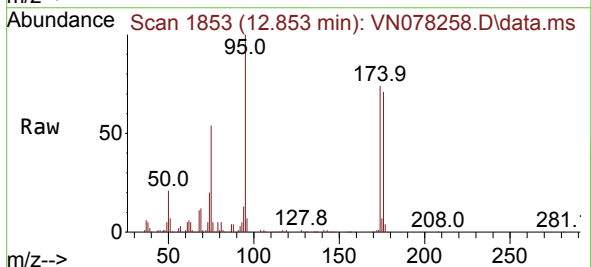
Acq: 16 Jun 2023 14:29

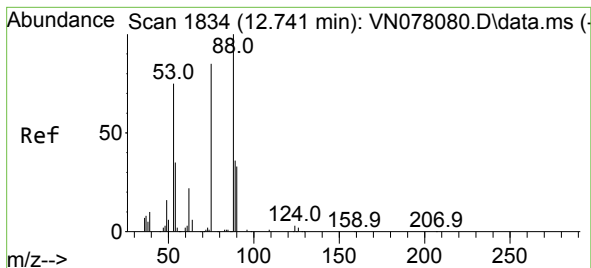
Tgt Ion: 75 Resp: 151176

Ion Ratio Lower Upper

75 100

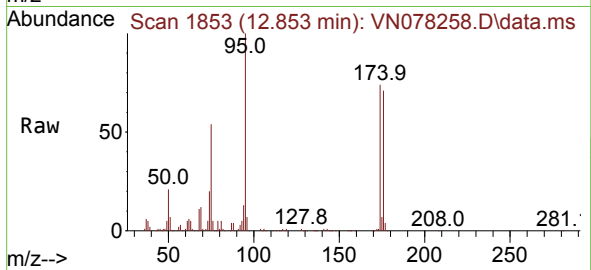
77 1.4 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 95.861 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.112 min
 Lab File: VN078258.D
 Acq: 16 Jun 2023 14:29

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 151176
 Ion Ratio Lower Upper
 75 100
 53 0.1 67.4 101.2#
 89 0.1 38.8 58.2#

