

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN053123\
 Data File : VN078002.D
 Acq On : 31 May 2023 18:55
 Operator : JC\MD
 Sample : 02973-12RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SPRING-20230526

Quant Time: Jun 01 01:57:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

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

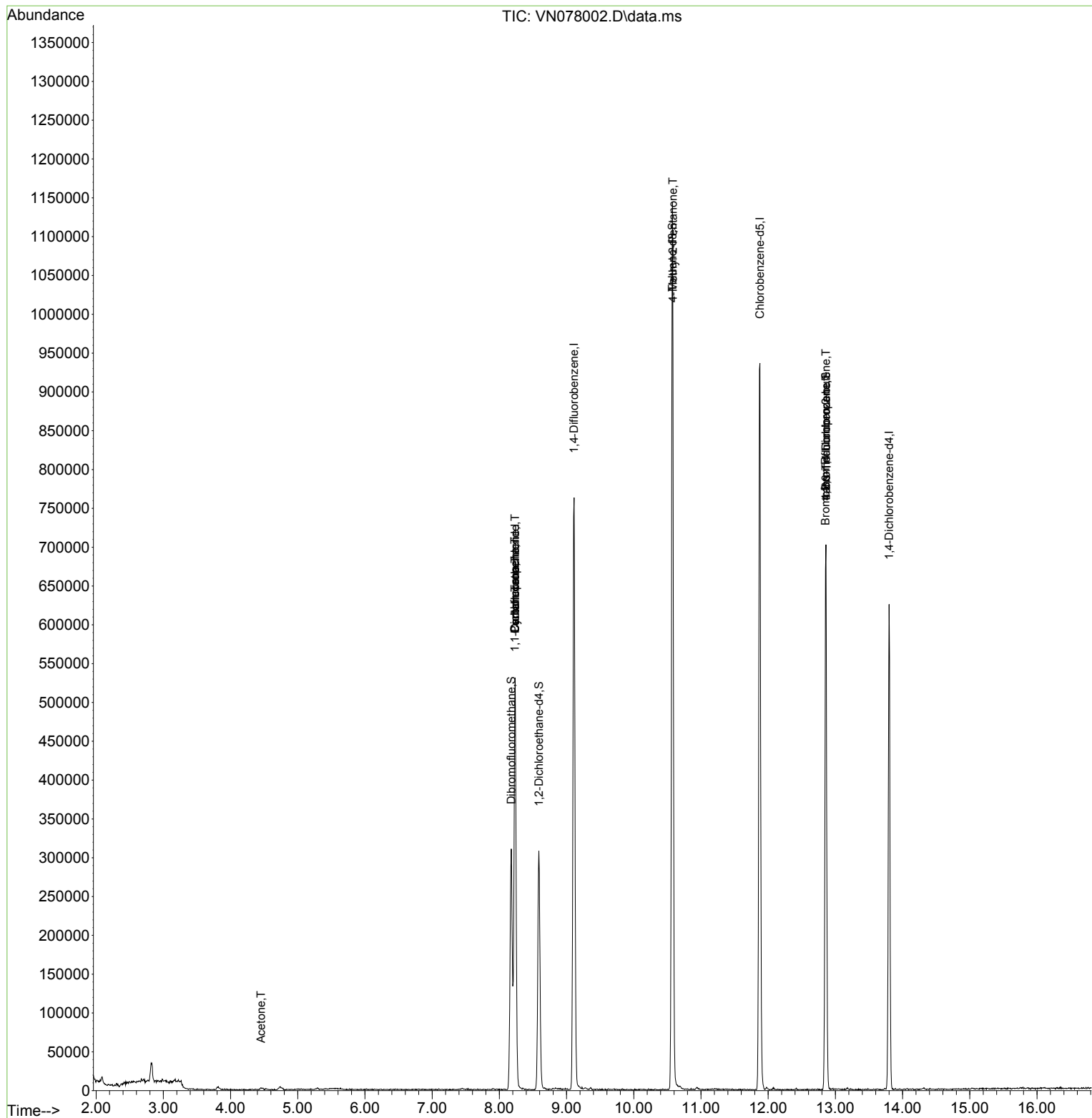
Internal Standards						
1) Pentafluorobenzene	8.235	168	370752	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	675784	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.876	117	578109	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	169410	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	254159	45.816	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.640%		
35) Dibromofluoromethane	8.177	113	221071	50.167	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.340%		
50) Toluene-d8	10.576	98	824142	48.588	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.180%		
62) 4-Bromofluorobenzene	12.859	95	257331	42.956	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	85.920%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1677	Below Cal	#	58
13) Acrolein	4.212	56	256	Below Cal	#	50
16) Acetone	4.453	43	2901	1.662	ug/l #	87
20) Methylene Chloride	5.300	84	575	Below Cal	#	41
31) Cyclohexane	8.235	56	8672	1.150	ug/l #	41
36) 1,1-Dichloropropene	8.230	75	30032	4.659	ug/l #	48
38) Carbon Tetrachloride	8.235	117	41883	6.435	ug/l #	17
51) 4-Methyl-2-Pentanone	10.582	43	3253	0.583	ug/l #	1
71) Bromoform	12.853	173	1187	0.411	ug/l #	28
76) 1,2,3-Trichloropropane	12.859	75	137121	32.320	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.859	75	137121	103.311	ug/l #	15

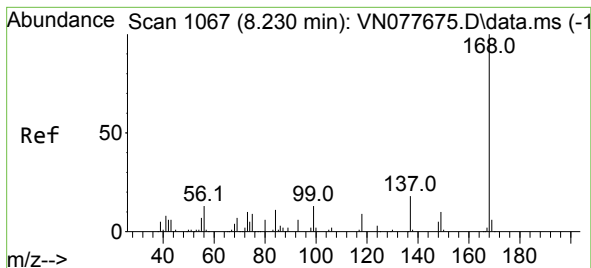
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
Quant Title : SW846 8260
QLast Update : Tue May 16 04:07:42 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.235 min Scan# 10

Delta R.T. 0.005 min

Lab File: VN078002.D

Acq: 31 May 2023 18:55

Instrument :

MSVOA_N

ClientSampleId :

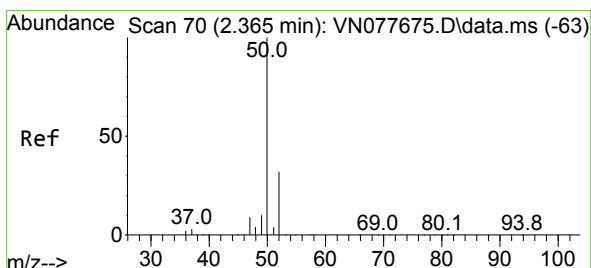
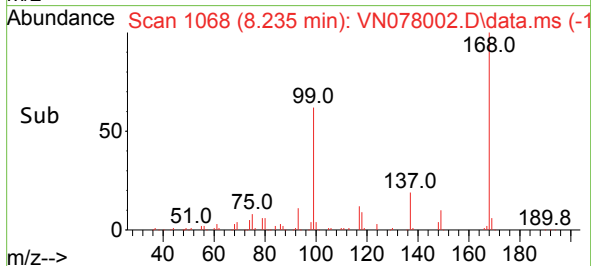
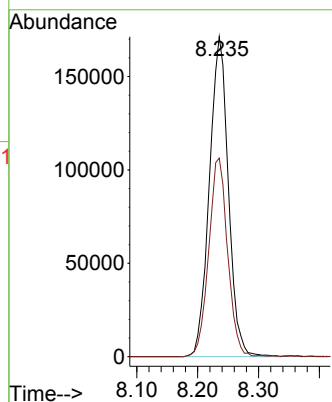
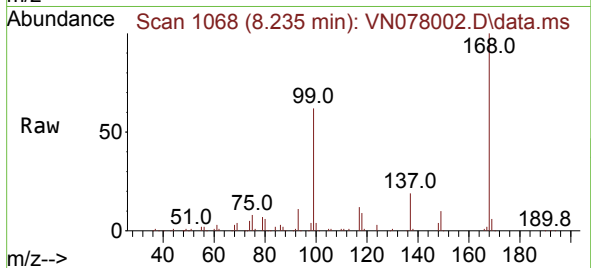
SPRING-20230526

Tgt Ion:168 Resp: 370752

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. 0.006 min

Lab File: VN078002.D

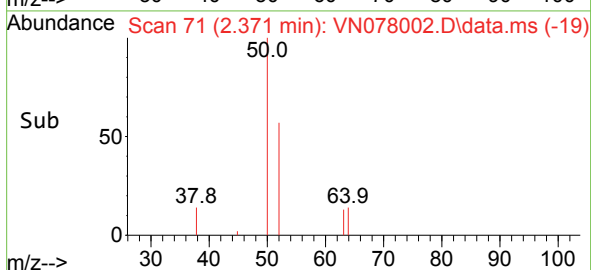
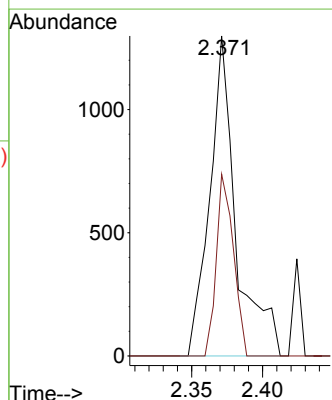
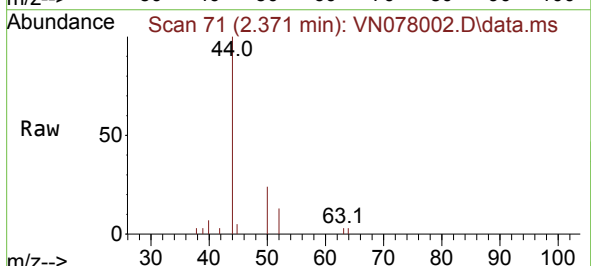
Acq: 31 May 2023 18:55

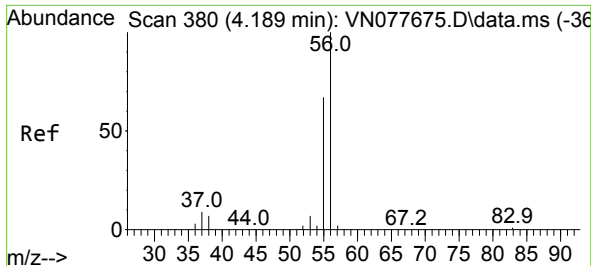
Tgt Ion: 50 Resp: 1677

Ion Ratio Lower Upper

50 100

52 56.8 26.5 39.7#

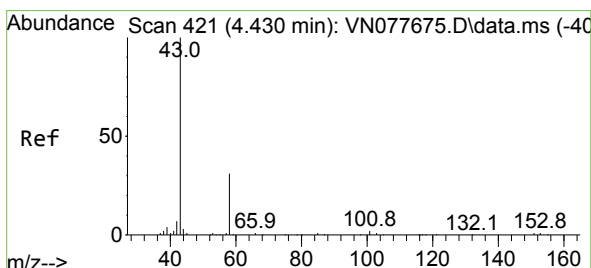
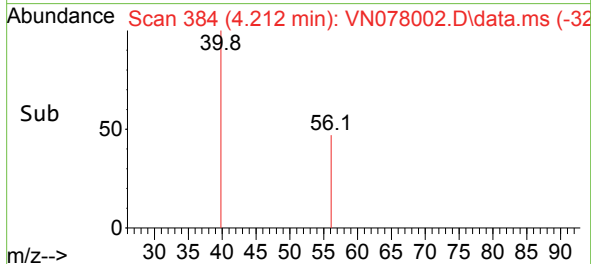
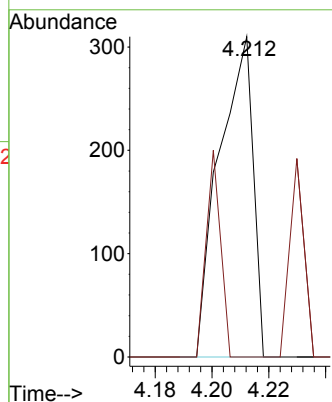
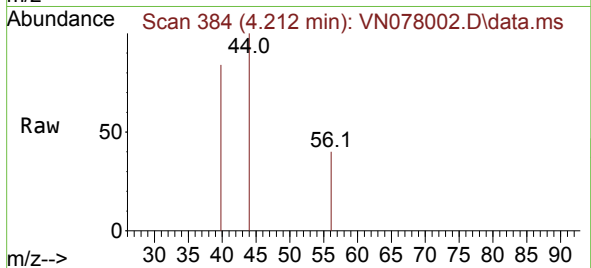




#13
Acrolein
Concen: Below Cal
RT: 4.212 min Scan# 31
Delta R.T. 0.023 min
Lab File: VN078002.D
Acq: 31 May 2023 18:55

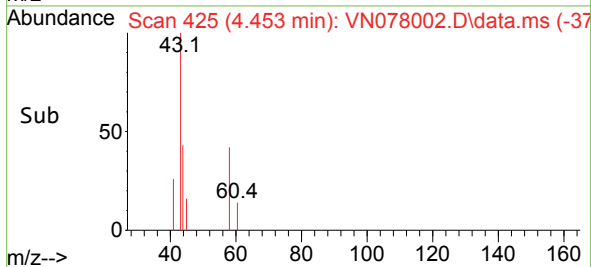
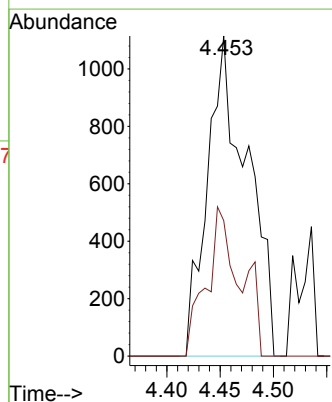
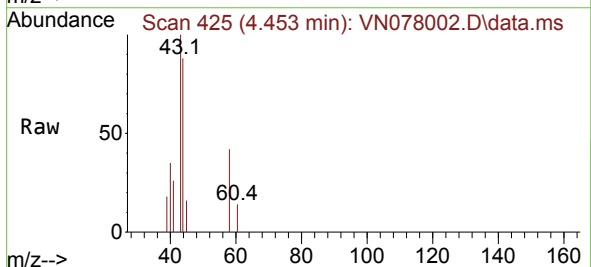
Instrument :
MSVOA_N
ClientSampleId :
SPRING-20230526

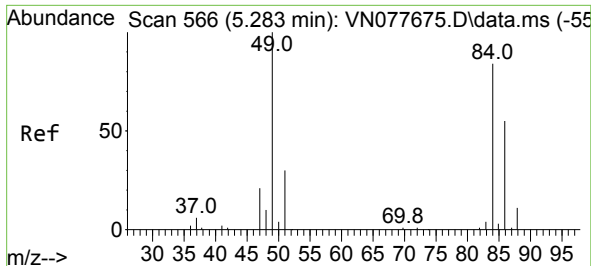
Tgt Ion: 56 Resp: 256
Ion Ratio Lower Upper
56 100
55 27.7 54.5 81.7#



#16
Acetone
Concen: 1.662 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.023 min
Lab File: VN078002.D
Acq: 31 May 2023 18:55

Tgt Ion: 43 Resp: 2901
Ion Ratio Lower Upper
43 100
58 42.3 28.0 42.0#

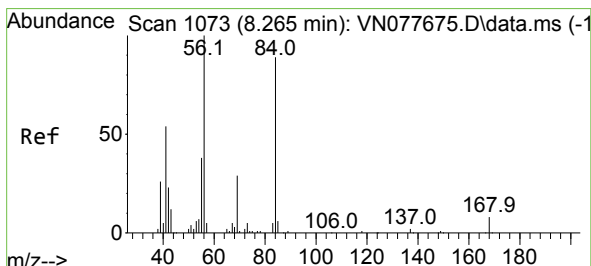
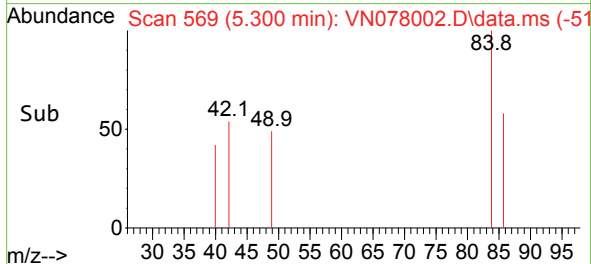
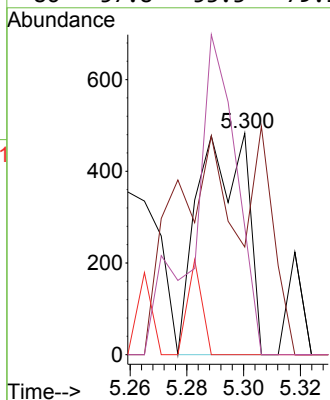
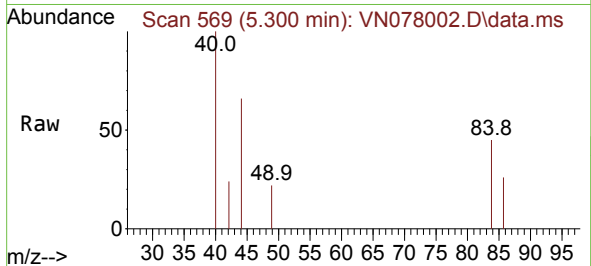




#20
Methylene Chloride
Concen: Below Cal
RT: 5.300 min Scan# 51
Delta R.T. 0.017 min
Lab File: VN078002.D
Acq: 31 May 2023 18:55

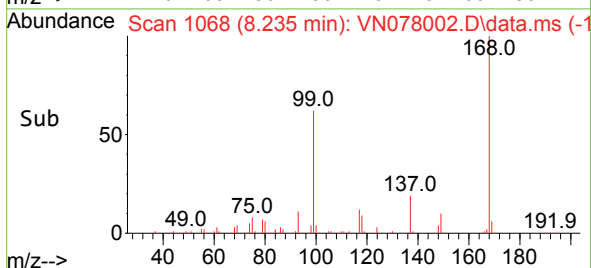
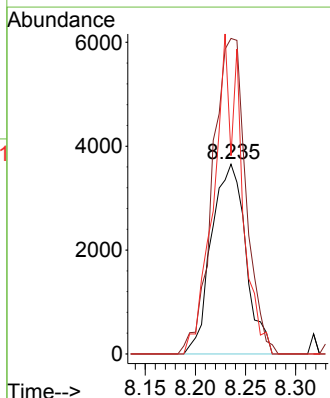
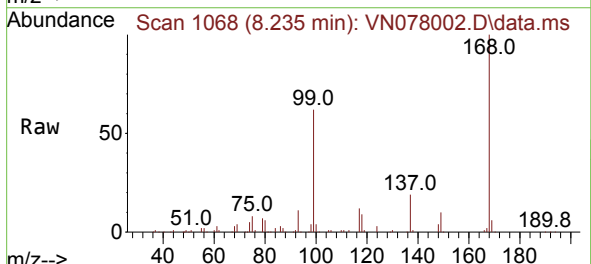
Instrument :
MSVOA_N
ClientSampleId :
SPRING-20230526

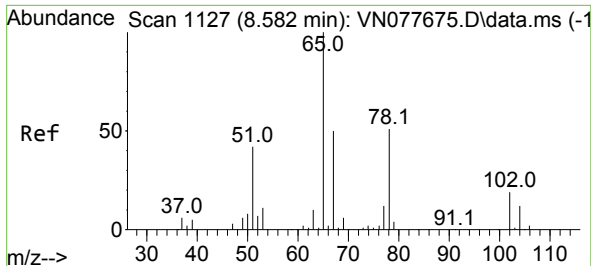
Tgt Ion: 84	Resp: 575
Ion Ratio	Lower Upper
84 100	
49 8.5	79.7 119.5#
51 0.0	25.2 37.8#
86 57.8	53.3 79.9



#31
Cyclohexane
Concen: 1.150 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.030 min
Lab File: VN078002.D
Acq: 31 May 2023 18:55

Tgt Ion: 56	Resp: 8672		
Ion Ratio	Lower	Upper	
56	100		
69	166.3	26.8	40.2#
84	104.5	81.8	122.6





#33

1,2-Dichloroethane-d4

Concen: 45.816 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN078002.D

Acq: 31 May 2023 18:55

Instrument :

MSVOA_N

ClientSampleId :

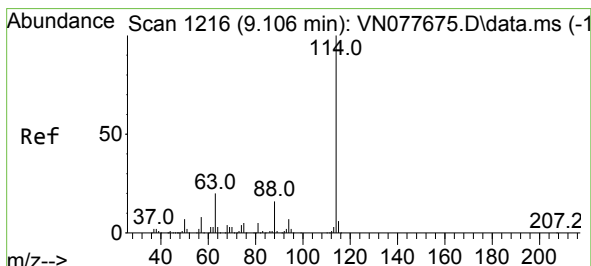
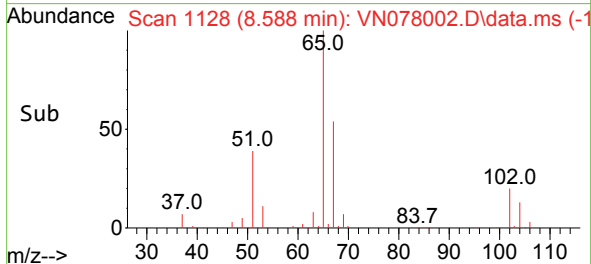
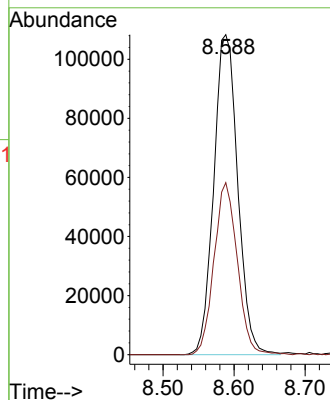
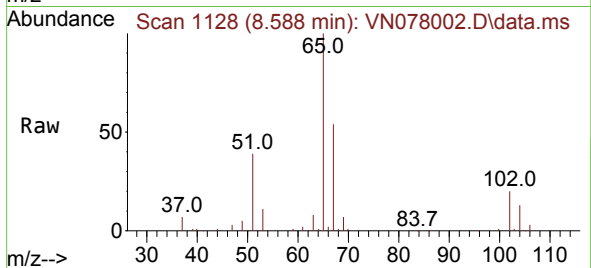
SPRING-20230526

Tgt Ion: 65 Resp: 254159

Ion Ratio Lower Upper

65 100

67 52.1 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1217

Delta R.T. 0.006 min

Lab File: VN078002.D

Acq: 31 May 2023 18:55

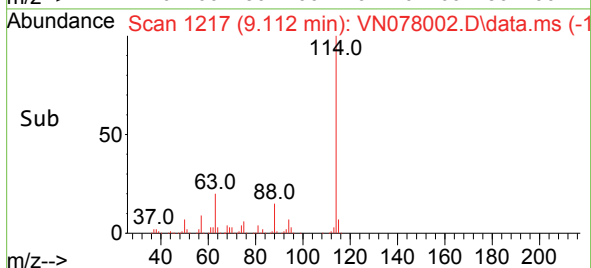
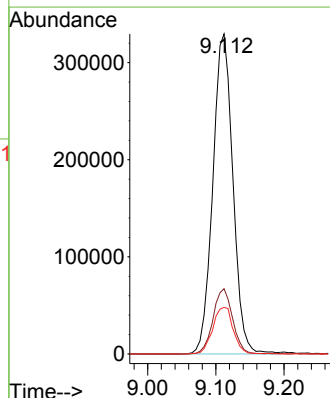
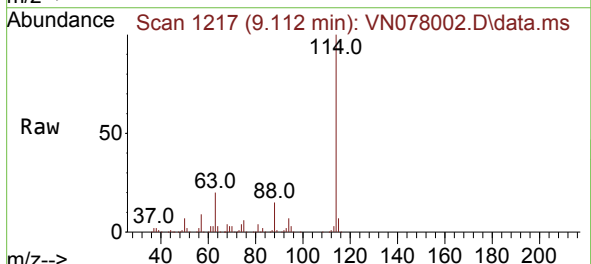
Tgt Ion: 114 Resp: 675784

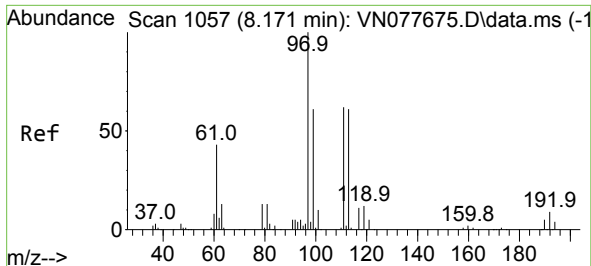
Ion Ratio Lower Upper

114 100

63 20.4 0.0 36.4

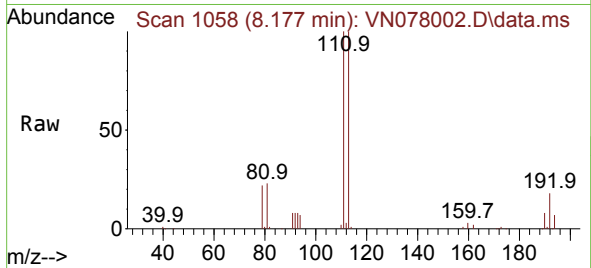
88 14.6 0.0 30.6



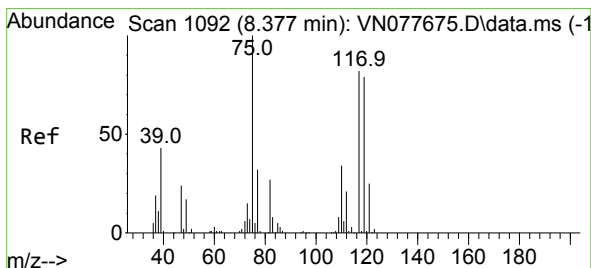
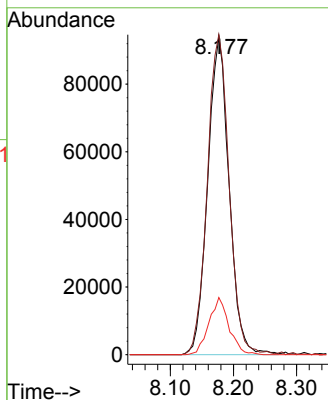
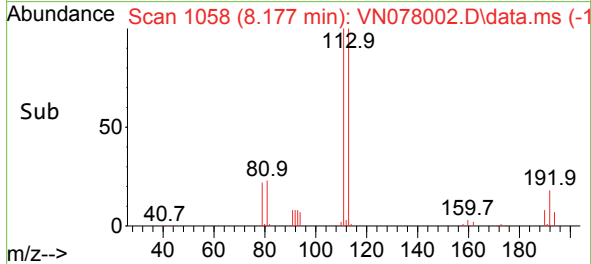


#35
Dibromofluoromethane
Concen: 50.167 ug/l
RT: 8.177 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN078002.D
Acq: 31 May 2023 18:55

Instrument :
MSVOA_N
ClientSampleId :
SPRING-20230526

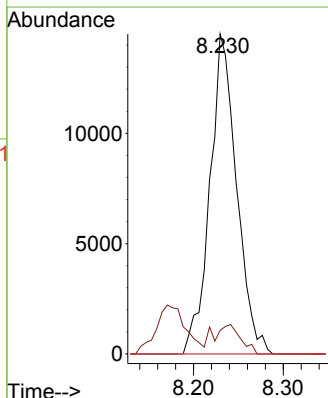
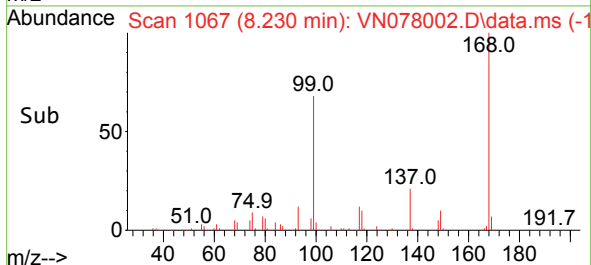
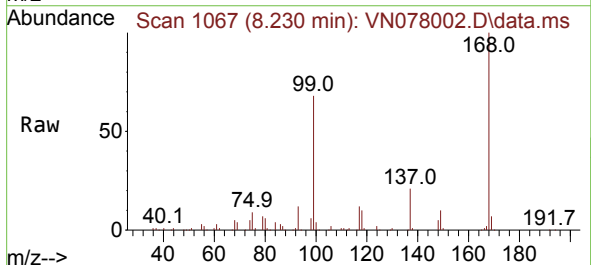


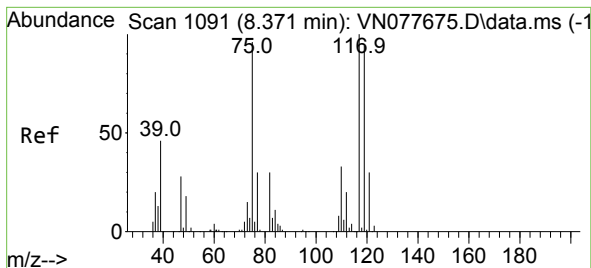
Tgt Ion:113 Resp: 221071
Ion Ratio Lower Upper
113 100
111 102.8 82.6 123.8
192 16.9 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.659 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN078002.D
Acq: 31 May 2023 18:55

Tgt Ion: 75 Resp: 30032
Ion Ratio Lower Upper
75 100
110 9.3 19.1 57.3#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.435 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.136 min

Lab File: VN078002.D

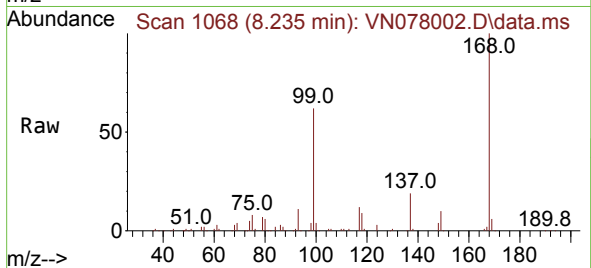
Acq: 31 May 2023 18:55

Instrument :

MSVOA_N

ClientSampleId :

SPRING-20230526



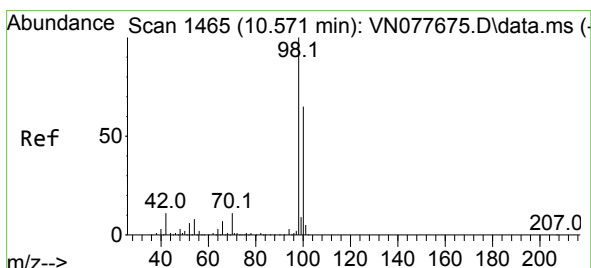
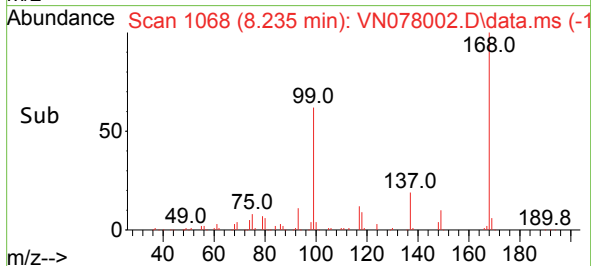
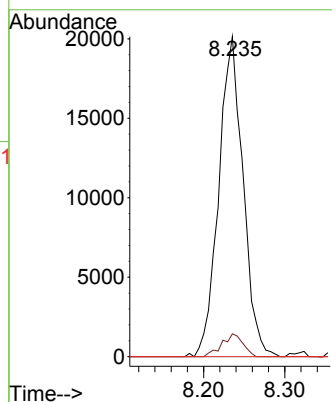
Tgt Ion:117 Resp: 41883

Ion Ratio Lower Upper

117 100

119 7.2 77.3 115.9#

121 0.0 23.3 34.9#



#50

Toluene-d8

Concen: 48.588 ug/l

RT: 10.576 min Scan# 1466

Delta R.T. 0.005 min

Lab File: VN078002.D

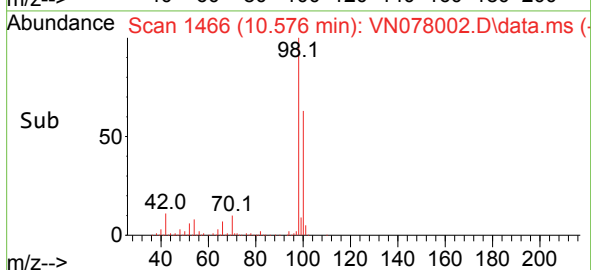
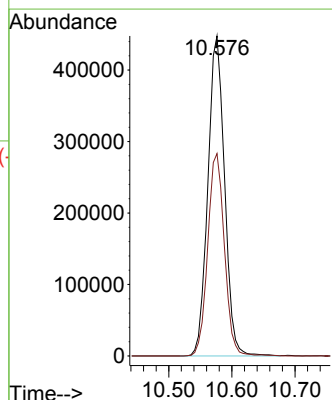
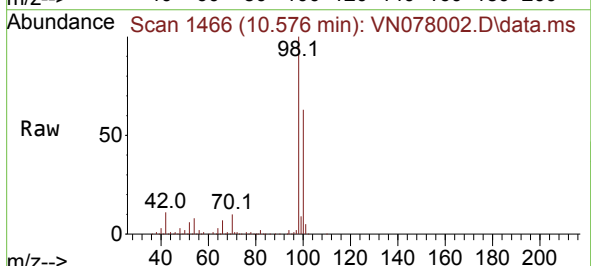
Acq: 31 May 2023 18:55

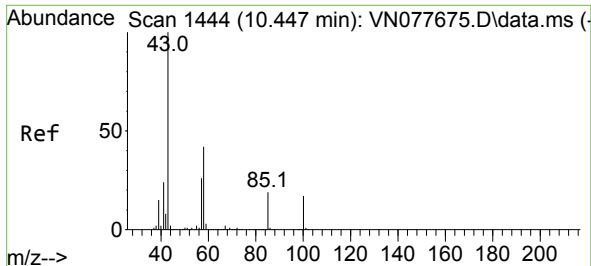
Tgt Ion: 98 Resp: 824142

Ion Ratio Lower Upper

98 100

100 63.1 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 0.583 ug/l

RT: 10.582 min Scan# 1444

Delta R.T. 0.135 min

Lab File: VN078002.D

Acq: 31 May 2023 18:55

Instrument :

MSVOA_N

ClientSampleId :

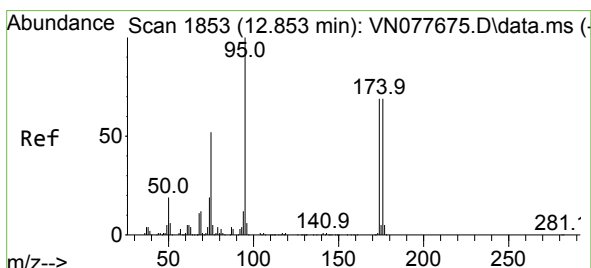
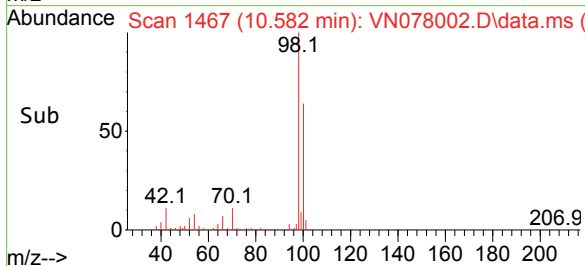
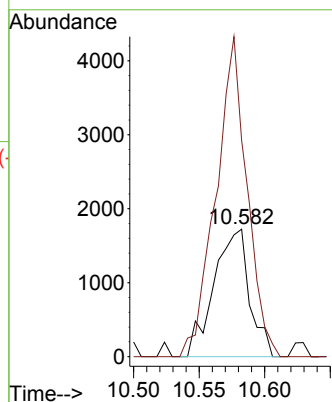
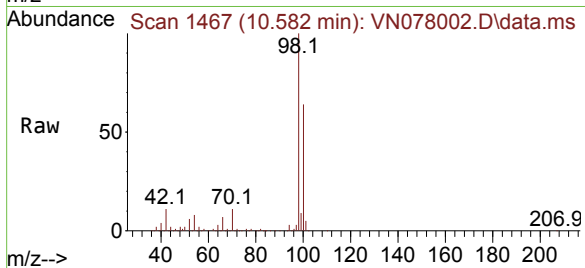
SPRING-20230526

Tgt Ion: 43 Resp: 3253

Ion Ratio Lower Upper

43 100

58 219.7 36.6 54.8#



#62

4-Bromofluorobenzene

Concen: 42.956 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. 0.006 min

Lab File: VN078002.D

Acq: 31 May 2023 18:55

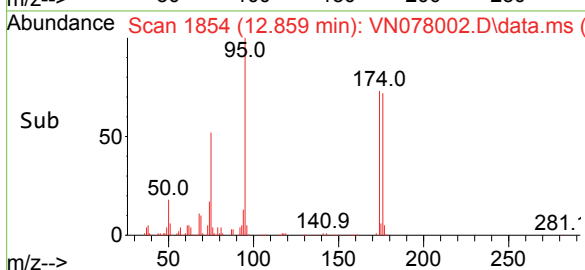
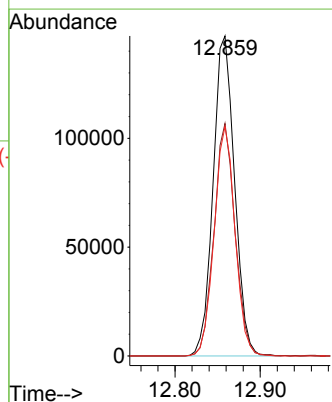
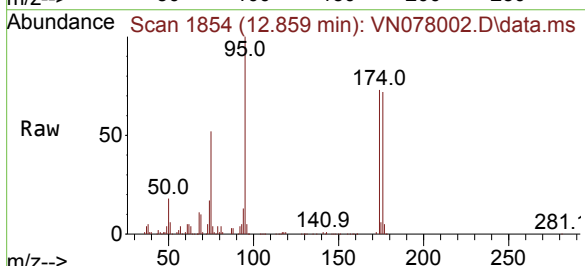
Tgt Ion: 95 Resp: 257331

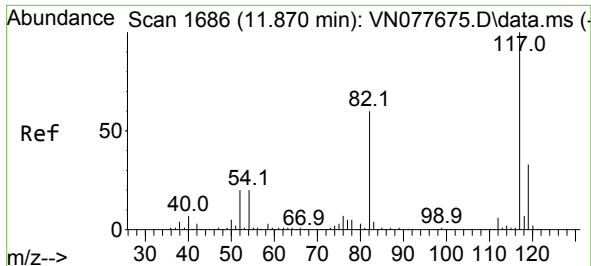
Ion Ratio Lower Upper

95 100

174 71.4 0.0 143.8

176 69.6 0.0 135.8

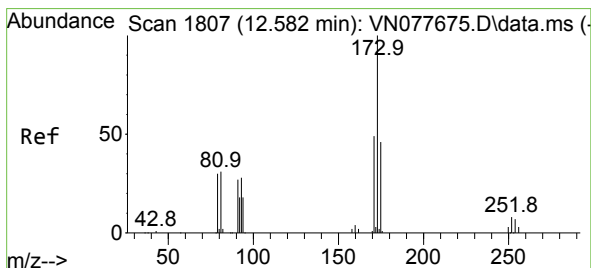
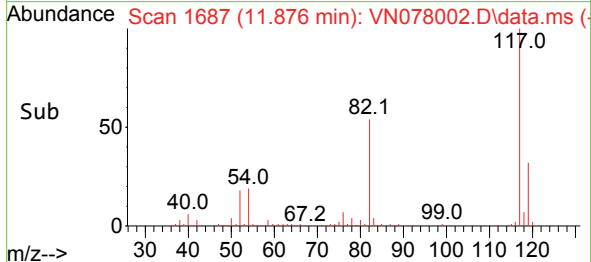
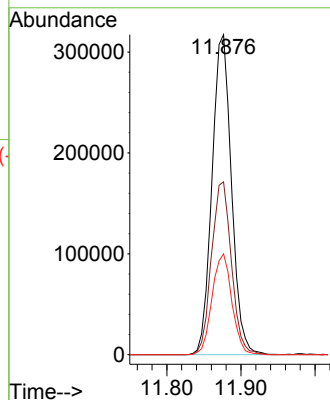
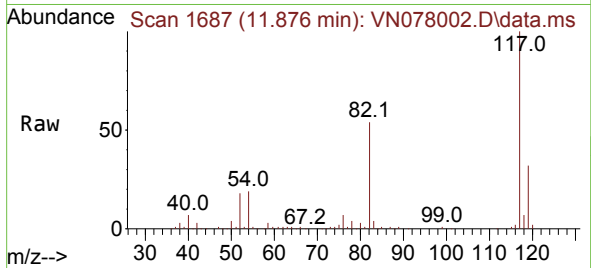




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.876 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN078002.D
Acq: 31 May 2023 18:55

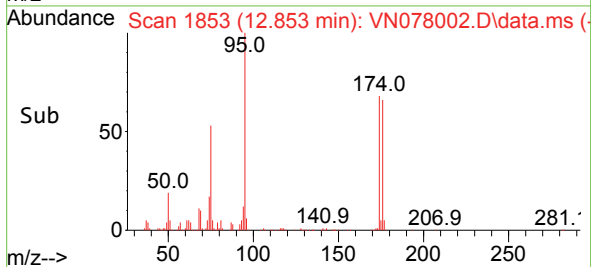
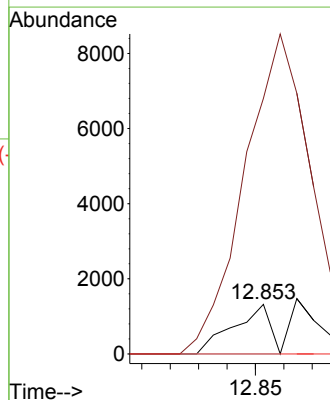
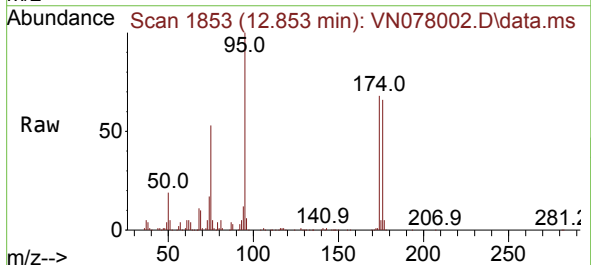
Instrument :
MSVOA_N
ClientSampleId :
SPRING-20230526

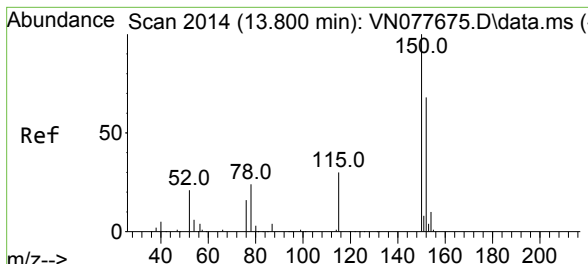
Tgt Ion:117 Resp: 578109
Ion Ratio Lower Upper
117 100
82 54.0 44.0 66.0
119 31.5 25.6 38.4



#71
Bromoform
Concen: 0.411 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN078002.D
Acq: 31 May 2023 18:55

Tgt Ion:173 Resp: 1187
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
254 0.0 0.0 0.0

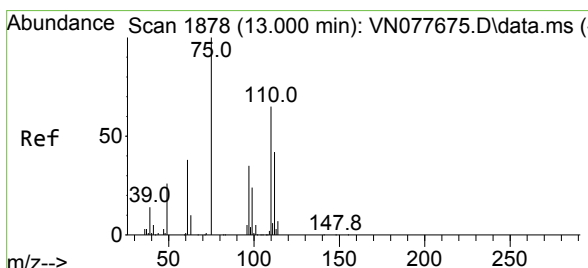
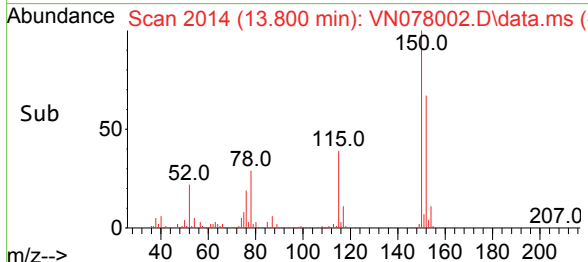
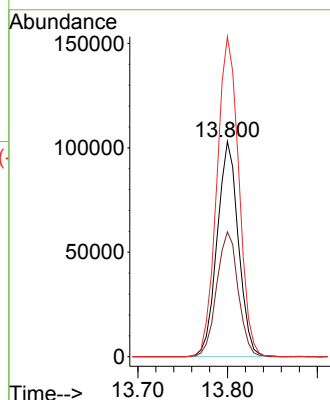
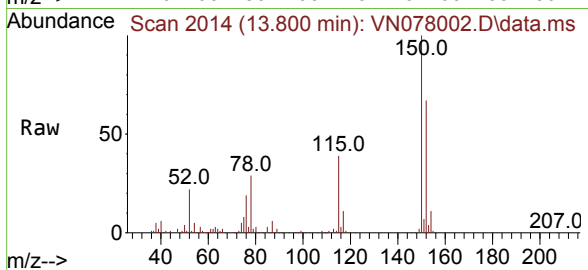




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.800 min Scan# 2014
 Delta R.T. -0.000 min
 Lab File: VN078002.D
 Acq: 31 May 2023 18:55

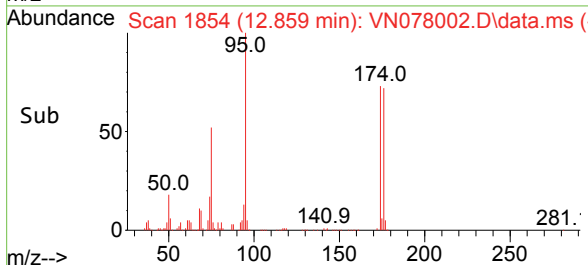
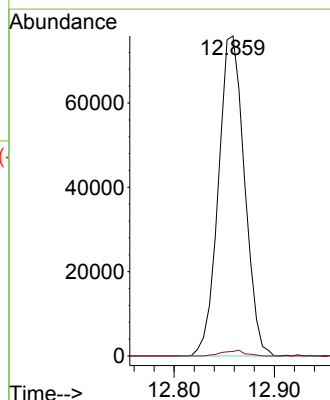
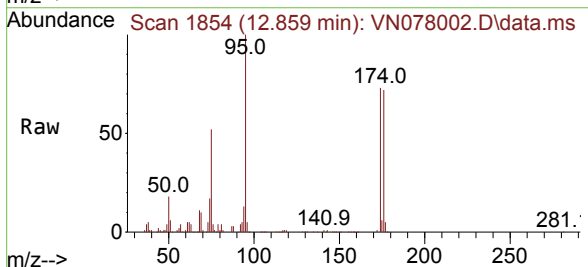
Instrument :
 MSVOA_N
 ClientSampleId :
 SPRING-20230526

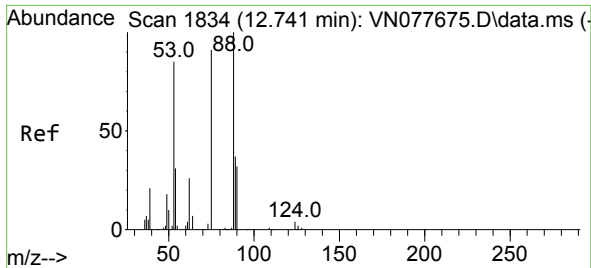
Tgt Ion:152 Resp: 169410
 Ion Ratio Lower Upper
 152 100
 115 58.8 32.3 96.8
 150 153.7 0.0 355.8



#76
 1,2,3-Trichloropropane
 Concen: 32.320 ug/l
 RT: 12.859 min Scan# 1854
 Delta R.T. -0.141 min
 Lab File: VN078002.D
 Acq: 31 May 2023 18:55

Tgt Ion: 75 Resp: 137121
 Ion Ratio Lower Upper
 75 100
 77 1.5 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 103.311 ug/l
 RT: 12.859 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN078002.D
 Acq: 31 May 2023 18:55

Instrument :
 MSVOA_N
 ClientSampleId :
 SPRING-20230526

Tgt Ion: 75 Resp: 137121
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 38.8 58.2#

