

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN053123\
 Data File : VN077992.D
 Acq On : 31 May 2023 14:56
 Operator : JC\MD
 Sample : 02973-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SPRING-20230526

Quant Time: Jun 01 01:52:15 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)

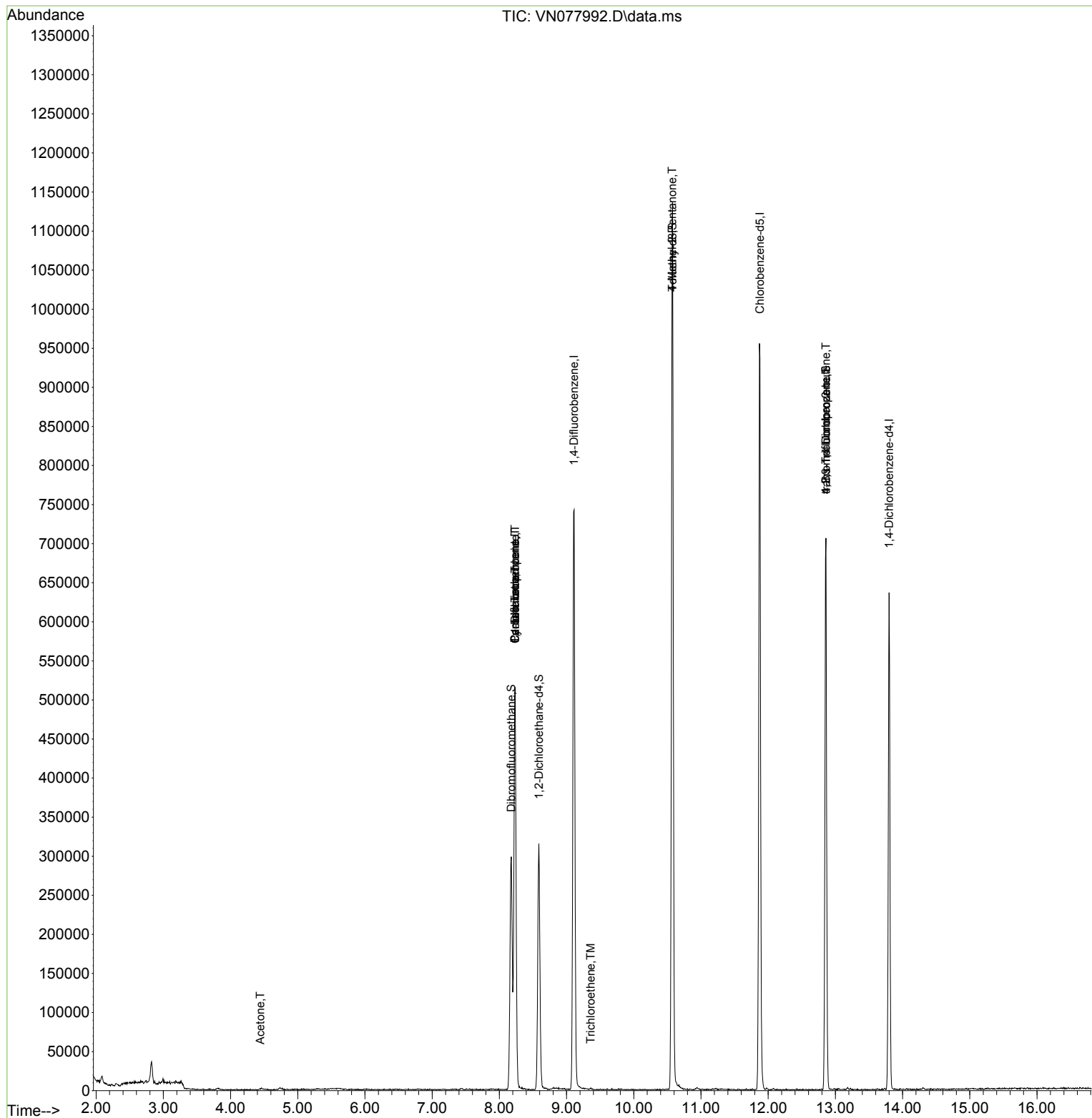
Internal Standards						
1) Pentafluorobenzene	8.229	168	368962	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	671923	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.876	117	575993	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	167251	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	255862	46.347	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	92.700%
35) Dibromofluoromethane	8.177	113	220059	50.224	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.440%
50) Toluene-d8	10.576	98	827688	49.078	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.160%
62) 4-Bromofluorobenzene	12.859	95	250919	42.127	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	84.260%
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	1942	Below Cal	#	42
13) Acrolein	4.177	56	77	Below Cal	#	16
16) Acetone	4.441	43	1489	0.857	ug/l #	77
20) Methylene Chloride	5.277	84	553	Below Cal	#	29
31) Cyclohexane	8.235	56	8183	1.091	ug/l #	35
36) 1,1-Dichloropropene	8.235	75	32124	5.013	ug/l #	50
38) Carbon Tetrachloride	8.235	117	40798	6.304	ug/l #	15
44) Trichloroethene	9.359	130	981	0.205	ug/l	86
51) 4-Methyl-2-Pentanone	10.571	43	3634	0.655	ug/l #	1
76) 1,2,3-Trichloropropane	12.859	75	136238	32.526	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.859	75	136238	103.971	ug/l #	15

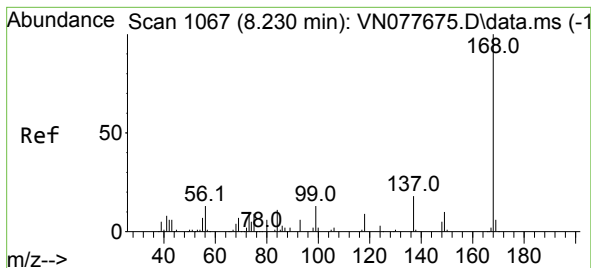
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 8.229 min Scan# 10

Delta R.T. -0.001 min

Lab File: VN077992.D

Acq: 31 May 2023 14:56

Instrument :

MSVOA_N

ClientSampleId :

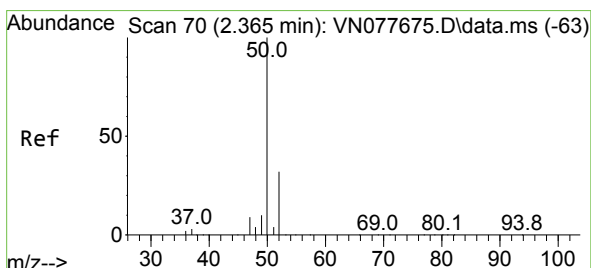
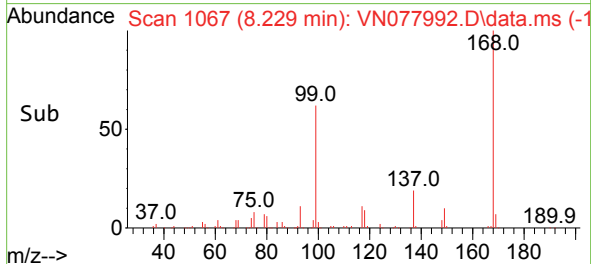
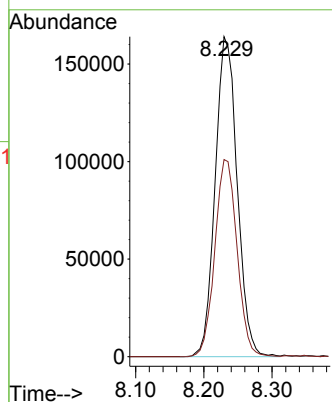
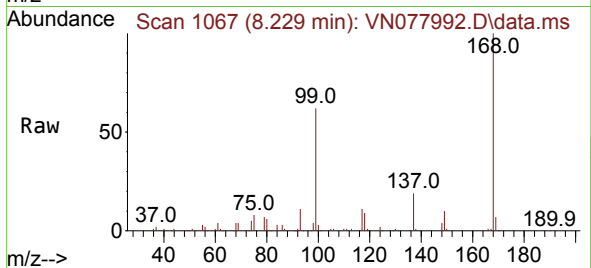
SPRING-20230526

Tgt Ion:168 Resp: 368962

Ion Ratio Lower Upper

168 100

99 61.6 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.377 min Scan# 72

Delta R.T. 0.012 min

Lab File: VN077992.D

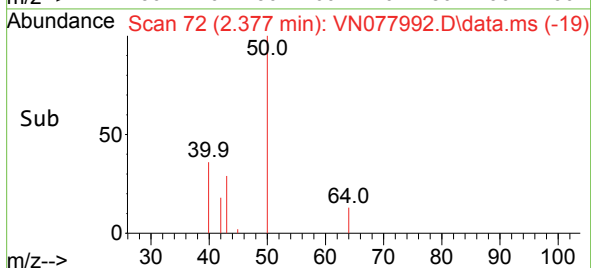
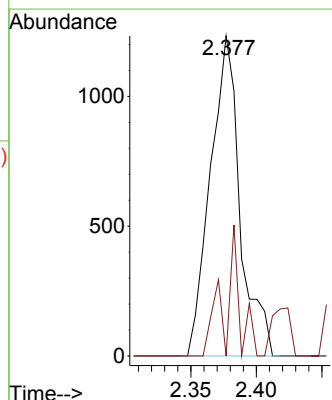
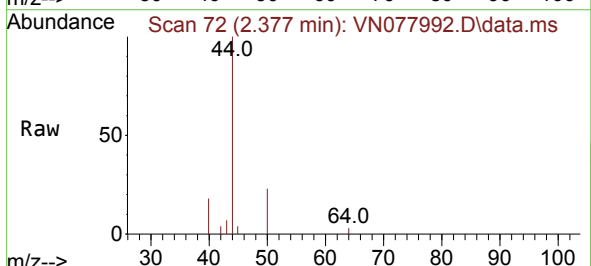
Acq: 31 May 2023 14:56

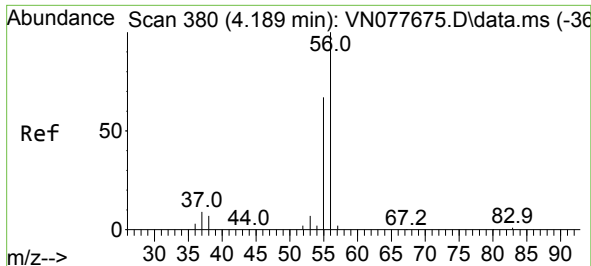
Tgt Ion: 50 Resp: 1942

Ion Ratio Lower Upper

50 100

52 0.0 26.5 39.7#

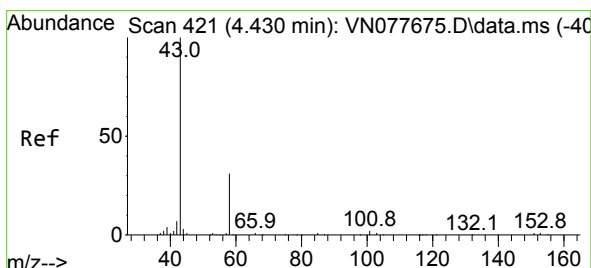
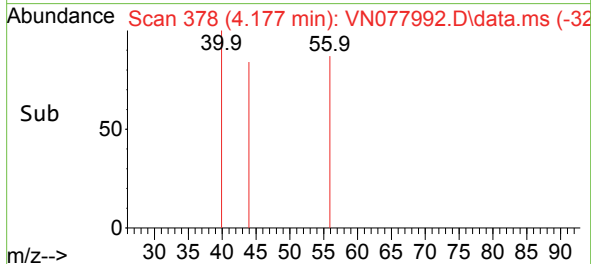
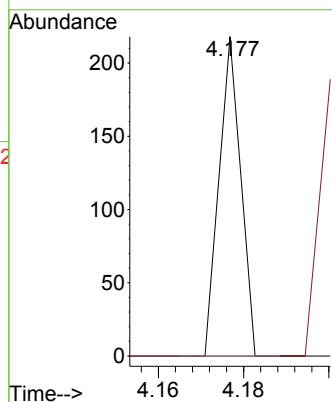
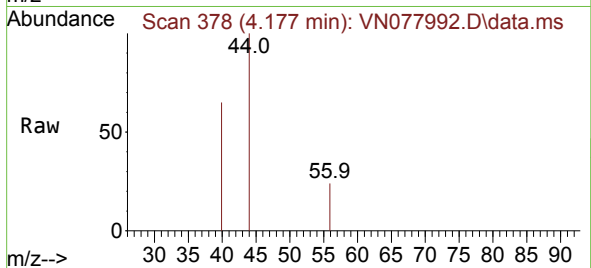




#13
Acrolein
Concen: Below Cal
RT: 4.177 min Scan# 31
Delta R.T. -0.012 min
Lab File: VN077992.D
Acq: 31 May 2023 14:56

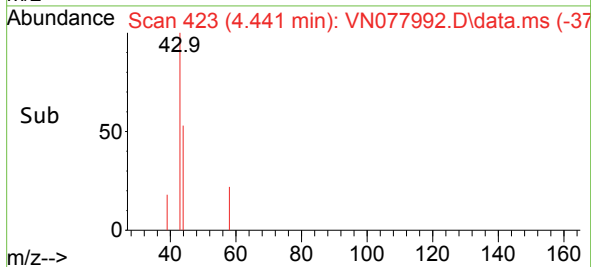
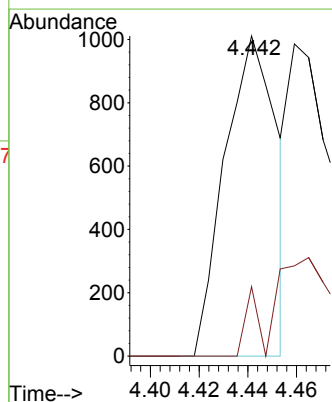
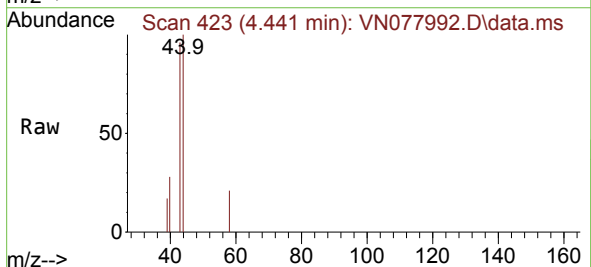
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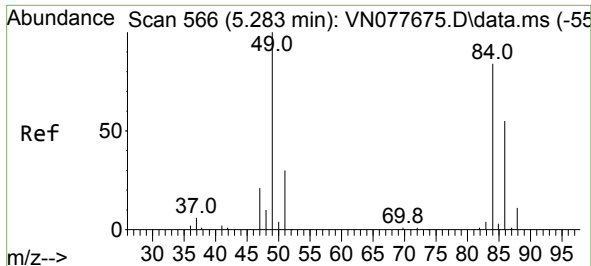
Tgt Ion: 56 Resp: 77
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#



#16
Acetone
Concen: 0.857 ug/l
RT: 4.441 min Scan# 423
Delta R.T. 0.011 min
Lab File: VN077992.D
Acq: 31 May 2023 14:56

Tgt Ion: 43 Resp: 1489
Ion Ratio Lower Upper
43 100
58 21.7 28.0 42.0#

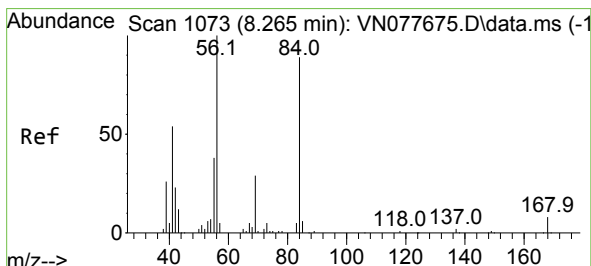
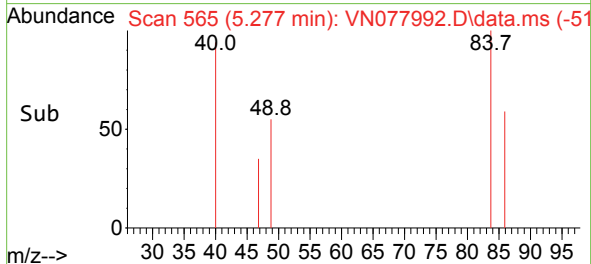
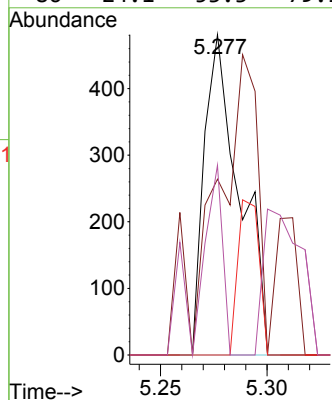
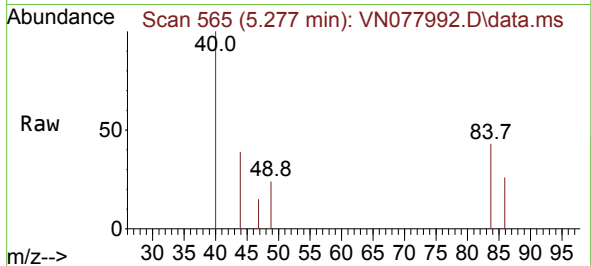




#20
Methylene Chloride
Concen: Below Cal
RT: 5.277 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN077992.D
Acq: 31 May 2023 14:56

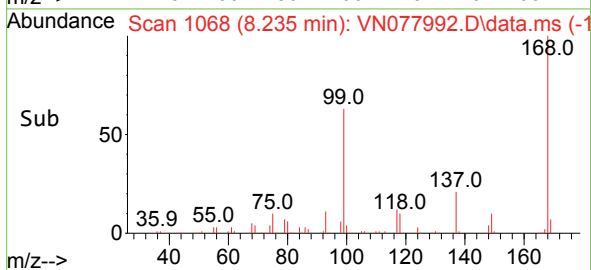
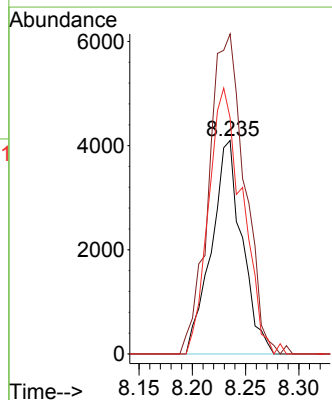
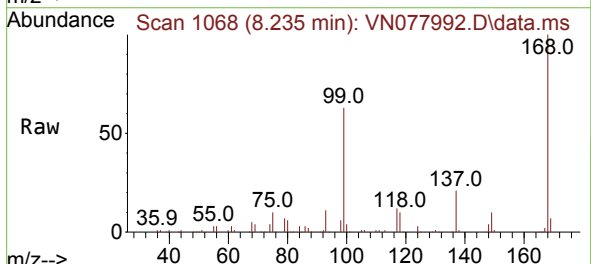
Instrument :
MSVOA_N
ClientSampleId :
SPRING-20230526

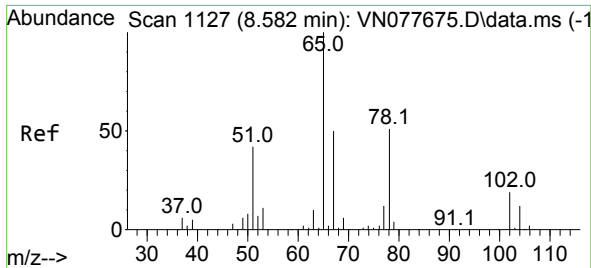
Tgt Ion:	84	Resp:	553
Ion	Ratio	Lower	Upper
84	100		
49	12.3	79.7	119.5#
51	0.0	25.2	37.8#
86	24.1	53.3	79.9#



#31
Cyclohexane
Concen: 1.091 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.030 min
Lab File: VN077992.D
Acq: 31 May 2023 14:56

Tgt Ion:	56	Resp:	8183
Ion	Ratio	Lower	Upper
56	100		
69	149.9	26.8	40.2#
84	121.6	81.8	122.6

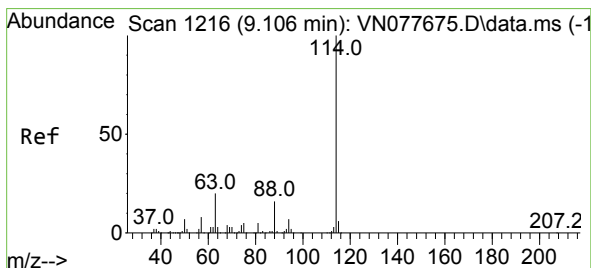
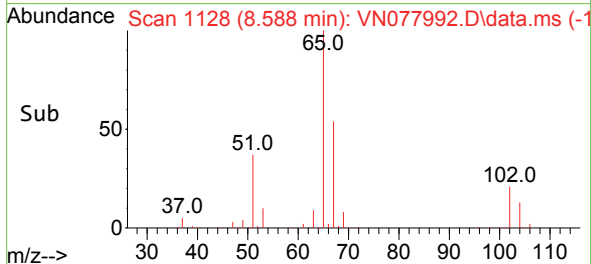
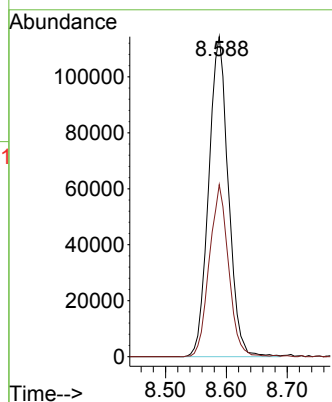
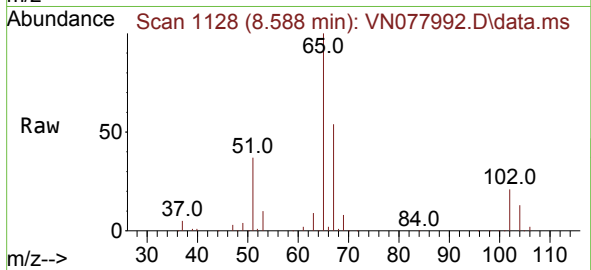




#33
 1,2-Dichloroethane-d4
 Concen: 46.347 ug/l
 RT: 8.588 min Scan# 1128
 Delta R.T. 0.006 min
 Lab File: VN077992.D
 Acq: 31 May 2023 14:56

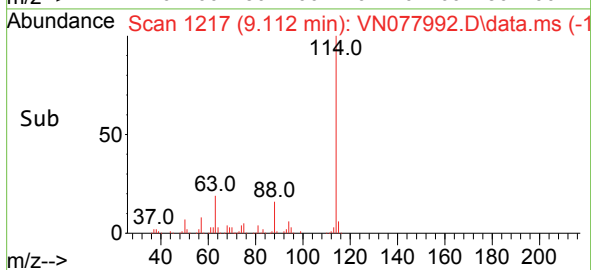
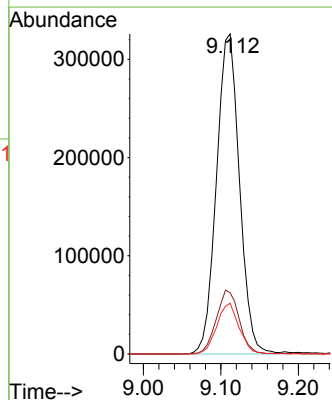
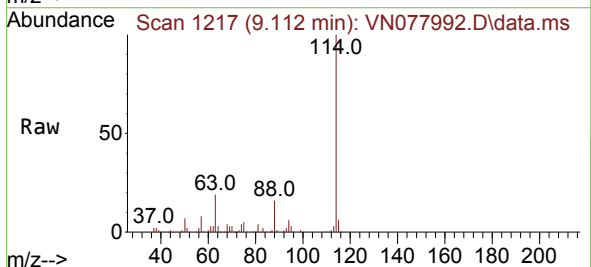
Instrument :
 MSVOA_N
 ClientSampleId :
 SPRING-20230526

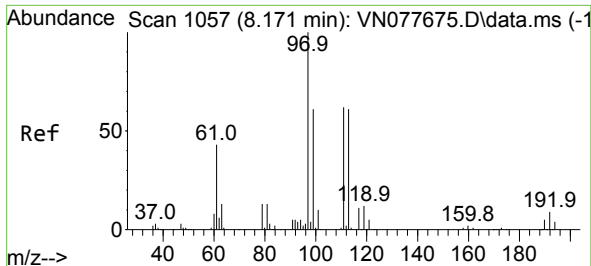
Tgt Ion: 65 Resp: 255862
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.112 min Scan# 1217
 Delta R.T. 0.006 min
 Lab File: VN077992.D
 Acq: 31 May 2023 14:56

Tgt Ion: 114 Resp: 671923
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 36.4
 88 15.8 0.0 30.6

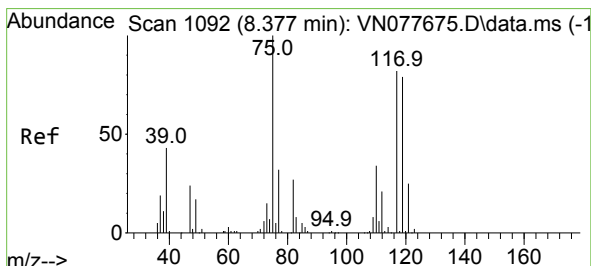
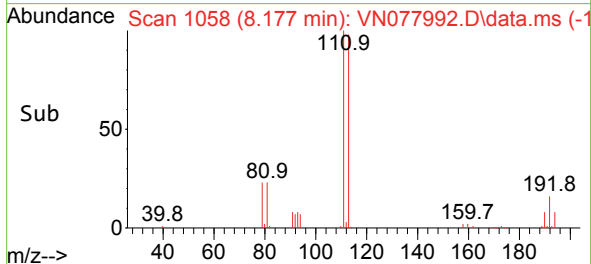
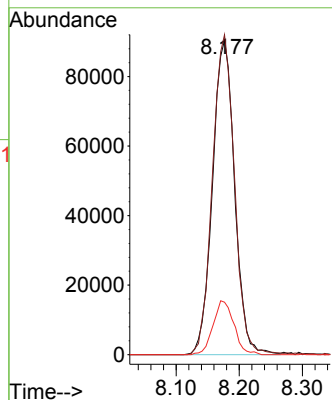
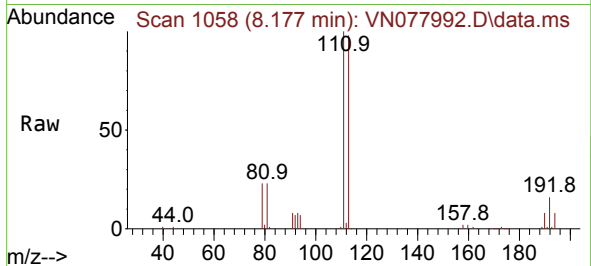




#35
Dibromofluoromethane
Concen: 50.224 ug/l
RT: 8.177 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN077992.D
Acq: 31 May 2023 14:56

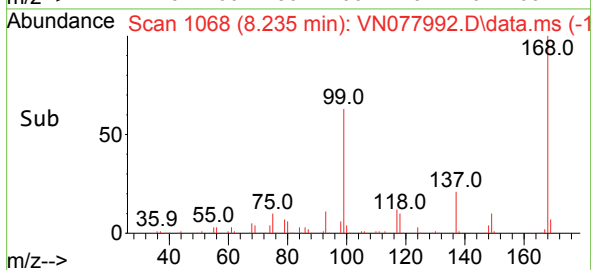
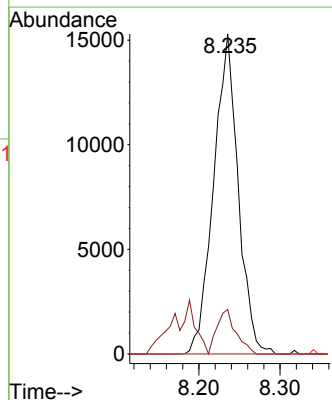
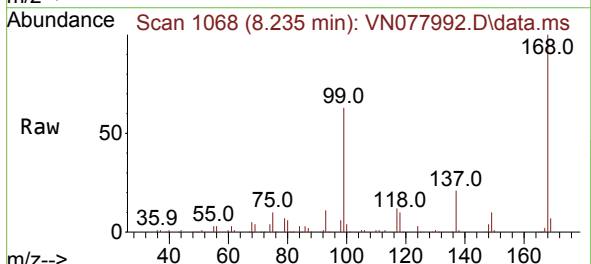
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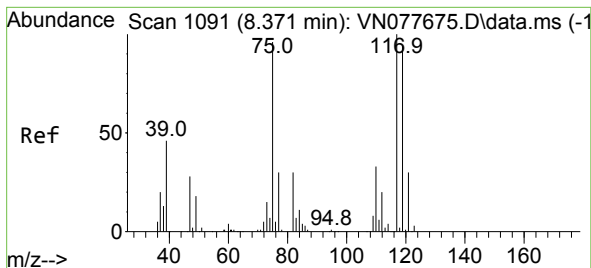
Tgt Ion:113 Resp: 220059
Ion Ratio Lower Upper
113 100
111 101.5 82.6 123.8
192 16.2 12.7 19.1



#36
1,1-Dichloropropene
Concen: 5.013 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.142 min
Lab File: VN077992.D
Acq: 31 May 2023 14:56

Tgt Ion: 75 Resp: 32124
Ion Ratio Lower Upper
75 100
110 10.7 19.1 57.3#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.304 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.136 min

Lab File: VN077992.D

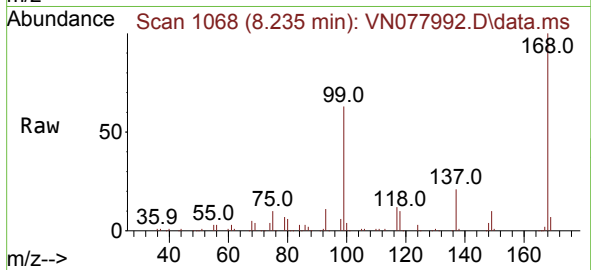
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Instrument :

MSVOA_N

ClientSampleId :

SPRING-20230526



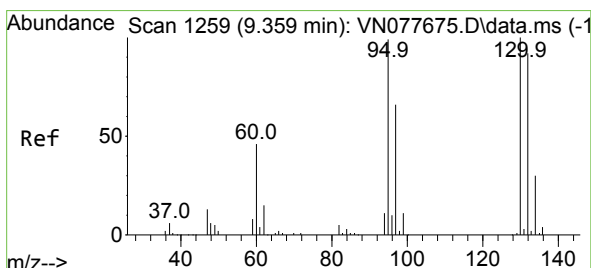
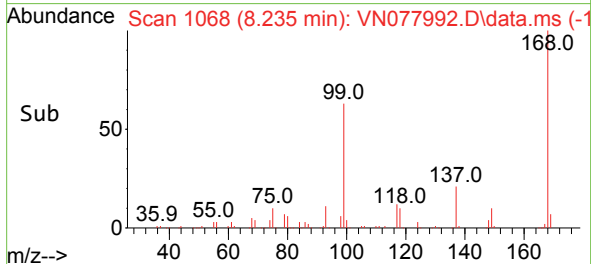
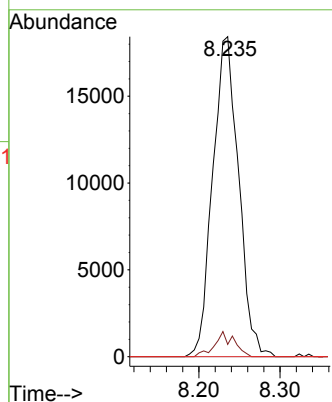
Tgt Ion:117 Resp: 40798

Ion Ratio Lower Upper

117 100

119 3.9 77.3 115.9#

121 0.0 23.3 34.9#



#44

Trichloroethene

Concen: 0.205 ug/l

RT: 9.359 min Scan# 1259

Delta R.T. -0.000 min

Lab File: VN077992.D

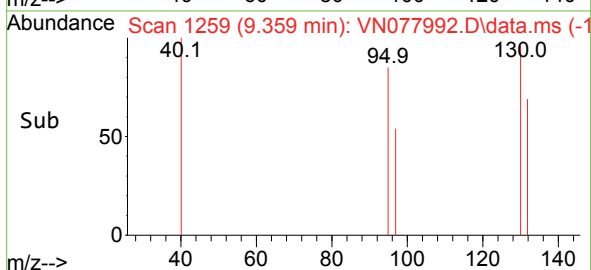
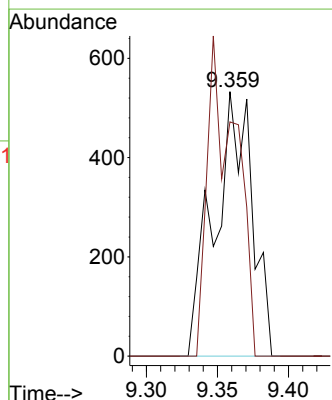
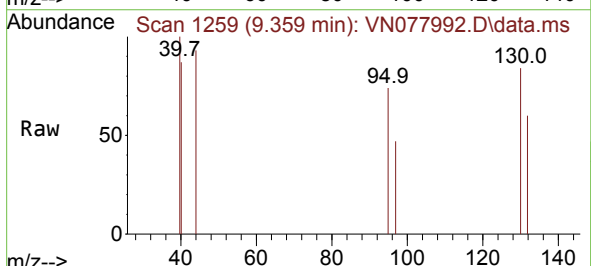
Acq: 31 May 2023 14:56

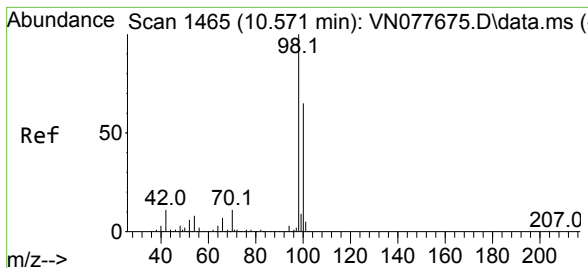
Tgt Ion:130 Resp: 981

Ion Ratio Lower Upper

130 100

95 88.6 0.0 204.6

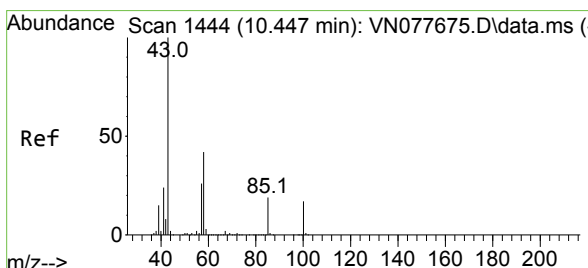
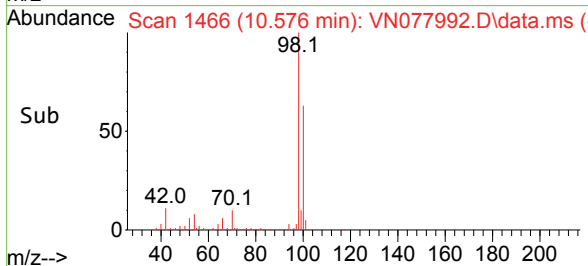
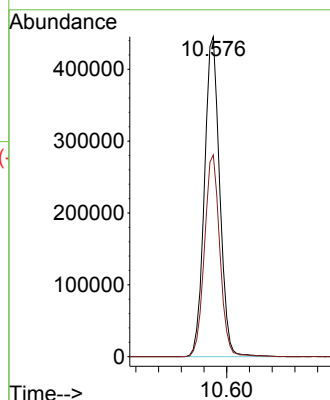
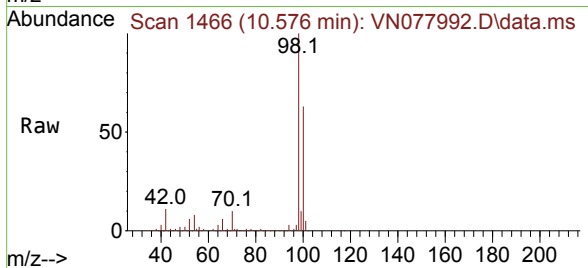




#50
Toluene-d8
Concen: 49.078 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. 0.005 min
Lab File: VN077992.D
Acq: 31 May 2023 14:56

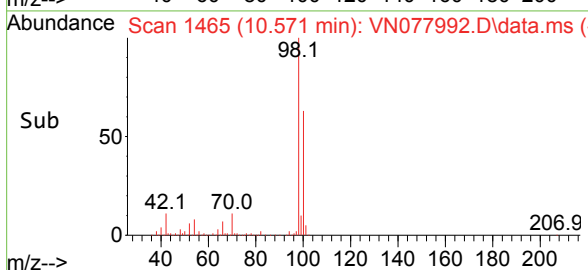
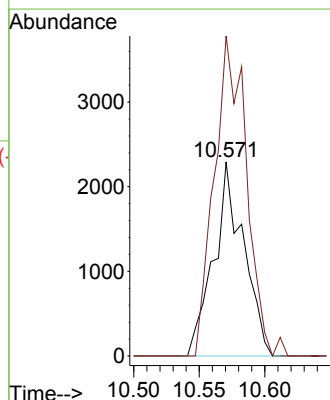
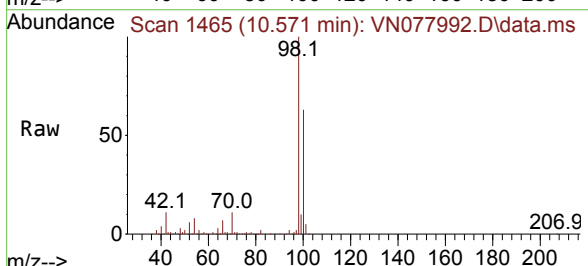
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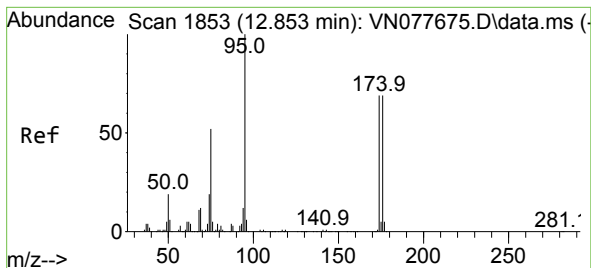
Tgt Ion: 98 Resp: 827688
Ion Ratio Lower Upper
98 100
100 63.6 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.655 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.124 min
Lab File: VN077992.D
Acq: 31 May 2023 14:56

Tgt Ion: 43 Resp: 3634
Ion Ratio Lower Upper
43 100
58 178.0 36.6 54.8#

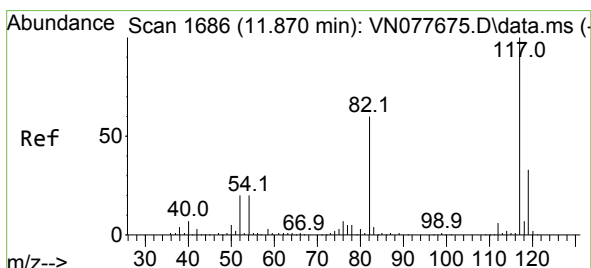
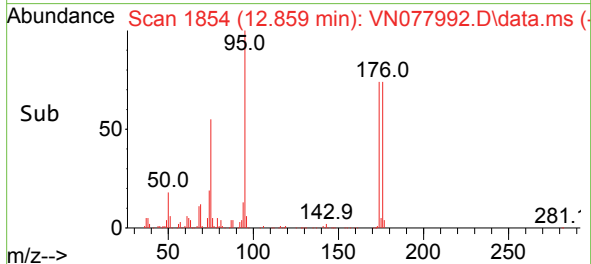
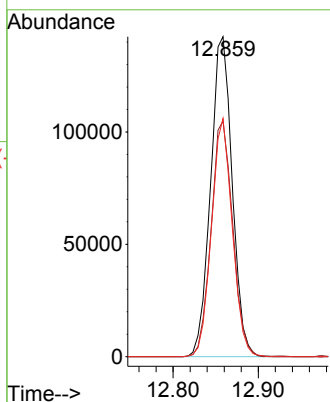
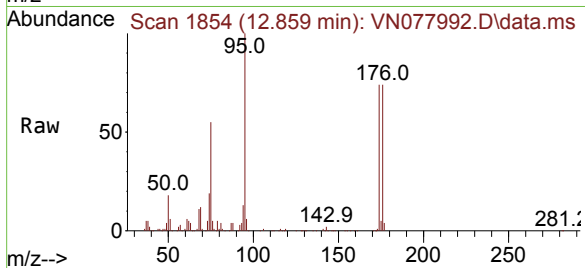




#62
4-Bromofluorobenzene
Concen: 42.127 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN077992.D
Acq: 31 May 2023 14:56

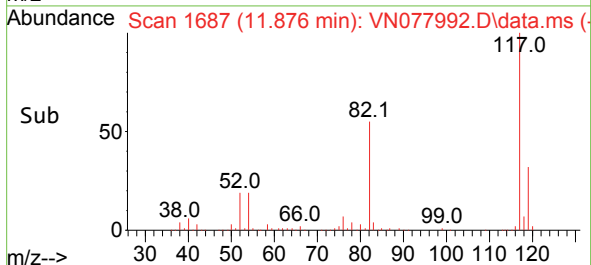
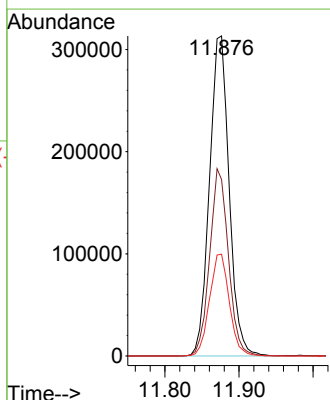
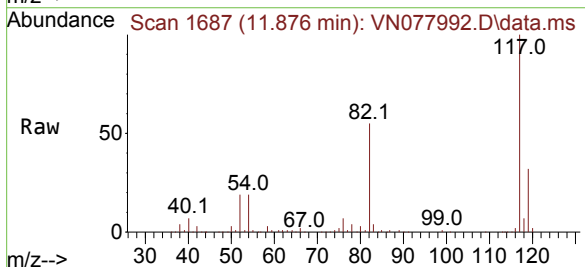
Instrument :
MSVOA_N
ClientSampleId :
SPRING-20230526

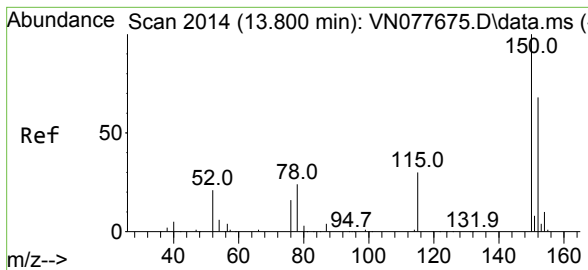
Tgt Ion: 95 Resp: 250919
Ion Ratio Lower Upper
95 100
174 73.8 0.0 143.8
176 71.4 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.876 min Scan# 1687
Delta R.T. 0.006 min
Lab File: VN077992.D
Acq: 31 May 2023 14:56

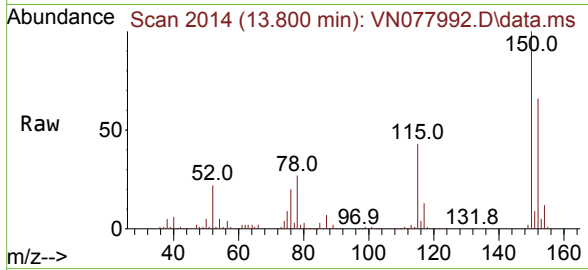
Tgt Ion: 117 Resp: 575993
Ion Ratio Lower Upper
117 100
82 55.1 44.0 66.0
119 31.8 25.6 38.4



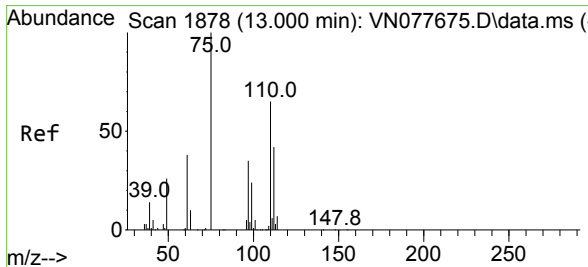
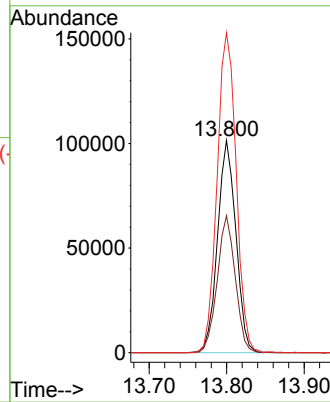
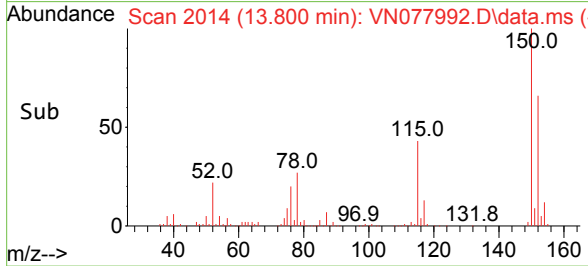


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.800 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN077992.D
 Acq: 31 May 2023 14:56

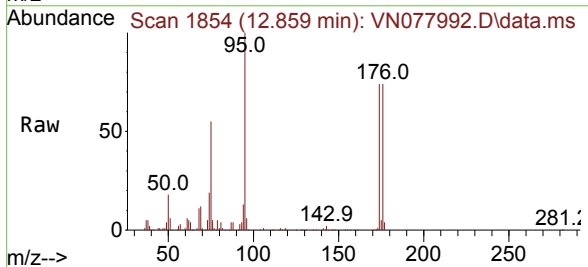
Instrument :
 MSVOA_N
 ClientSampleId :
 SPRING-20230526



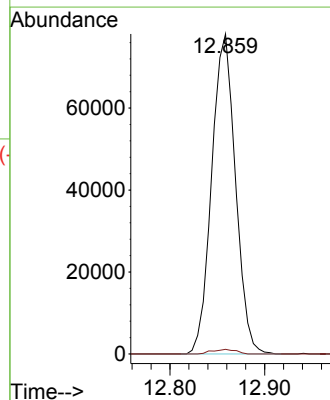
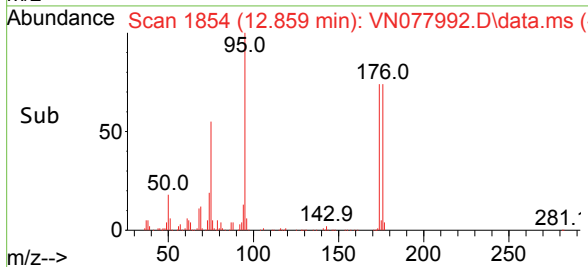
Tgt Ion:152 Resp: 167251
 Ion Ratio Lower Upper
 152 100
 115 63.4 32.3 96.8
 150 156.6 0.0 355.8

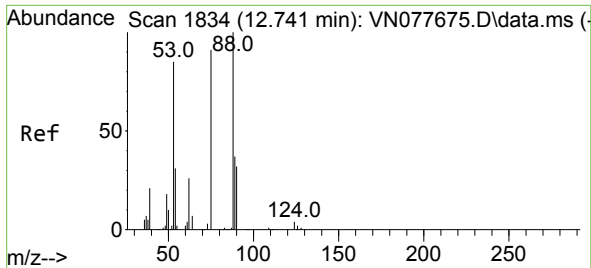


#76
 1,2,3-Trichloropropane
 Concen: 32.526 ug/l
 RT: 12.859 min Scan# 1854
 Delta R.T. -0.141 min
 Lab File: VN077992.D
 Acq: 31 May 2023 14:56



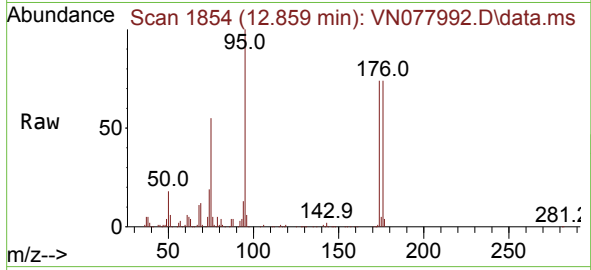
Tgt Ion: 75 Resp: 136238
 Ion Ratio Lower Upper
 75 100
 77 1.4 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 103.971 ug/l
 RT: 12.859 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN077992.D
 Acq: 31 May 2023 14:56

Instrument :
 MSVOA_N
 ClientSampleId :
 SPRING-20230526



Tgt Ion: 75 Resp: 136238
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 38.8 58.2#

