

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031423\
 Data File : VN076992.D
 Acq On : 14 Mar 2023 19:10
 Operator : JC\MD
 Sample : 01905-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 UNION-1

Quant Time: Mar 15 04:29:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031023W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 10 13:47:39 2023
 Response via : Initial Calibration

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

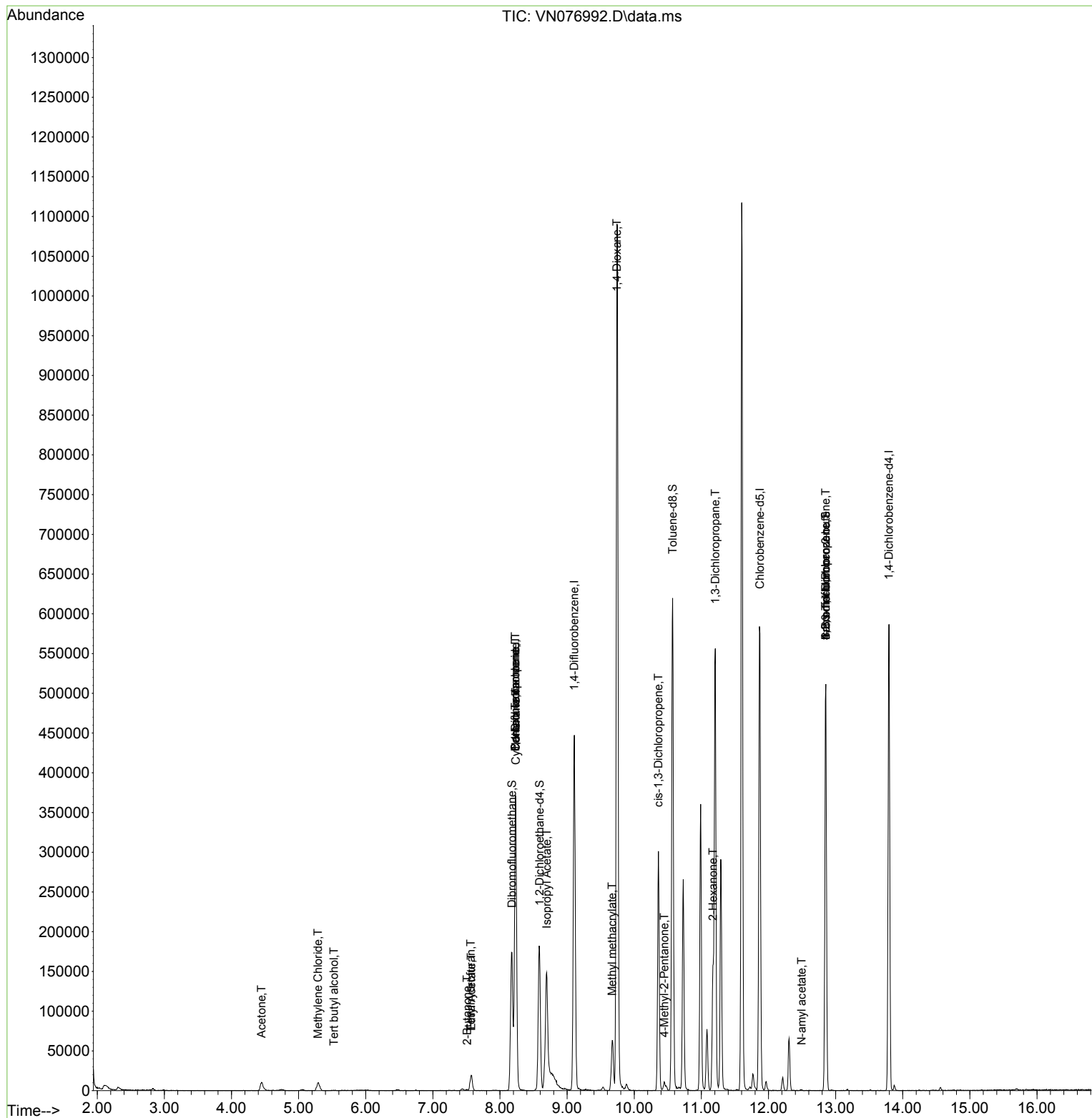
Internal Standards						
1) Pentafluorobenzene	8.231	168	250127	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	362367	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	334512	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	151565	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.589	65	181961	48.749	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.500%		
35) Dibromofluoromethane	8.178	113	116487	48.234	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.460%		
50) Toluene-d8	10.572	98	424002	47.637	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.280%		
62) 4-Bromofluorobenzene	12.854	95	165650	50.882	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.760%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.525	59	176	0.339	ug/l #	72
16) Acetone	4.448	43	21159	16.359	ug/l #	75
20) Methylene Chloride	5.290	84	8260	2.484	ug/l #	86
25) 2-Butanone	7.513	43	2138	1.162	ug/l	88
29) Tetrahydrofuran	7.566	42	1990	1.745	ug/l #	22
31) Cyclohexane	8.236	56	6029	1.126	ug/l #	33
36) 1,1-Dichloropropene	8.231	75	20025	5.361	ug/l #	50
37) Ethyl Acetate	7.572	43	29272	9.800	ug/l	97
38) Carbon Tetrachloride	8.231	117	30621	7.005	ug/l #	17
43) Isopropyl Acetate	8.695	43	189029	35.849	ug/l #	74
48) Methyl methacrylate	9.672	41	3656	1.415	ug/l #	23
49) 1,4-Dioxane	9.742	88	73	1.492	ug/l #	1
51) 4-Methyl-2-Pentanone	10.448	43	10366	3.273	ug/l #	62
54) cis-1,3-Dichloropropene	10.360	75	50560	11.506	ug/l #	71
57) 1,3-Dichloropropane	11.207	76	6295	1.354	ug/l #	42
59) 2-Hexanone	11.172	43	103550	44.835	ug/l #	17
71) Bromoform	12.854	173	918	0.434	ug/l #	1
74) N-amyl acetate	12.495	43	942	0.211	ug/l #	33
76) 1,2,3-Trichloropropane	12.854	75	103437	28.149	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	103437	91.949	ug/l #	15

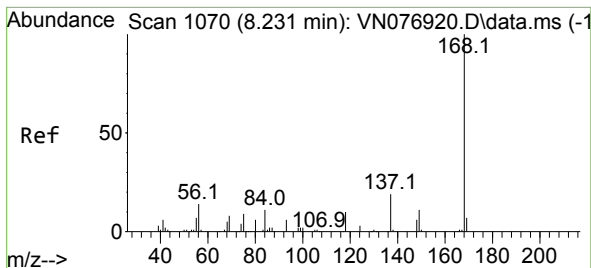
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031423\
Data File : VN076992.D
Acq On : 14 Mar 2023 19:10
Operator : JC\MD
Sample : 01905-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
UNION-1

Quant Time: Mar 15 04:29:12 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031023W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 10 13:47:39 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.231 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN076992.D

Acq: 14 Mar 2023 19:10

Instrument :

MSVOA_N

ClientSampleId :

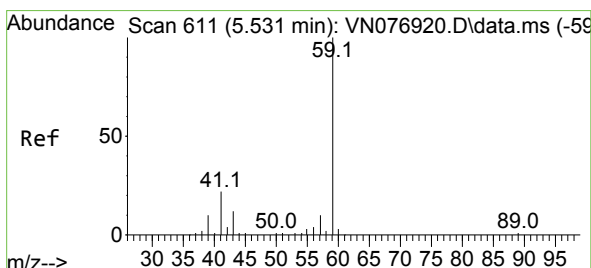
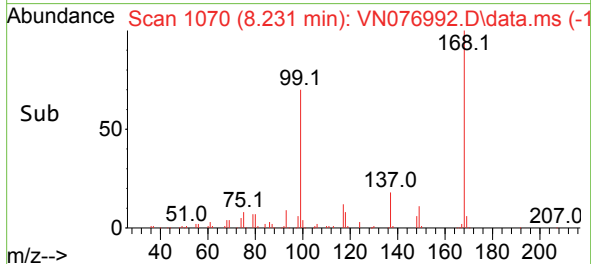
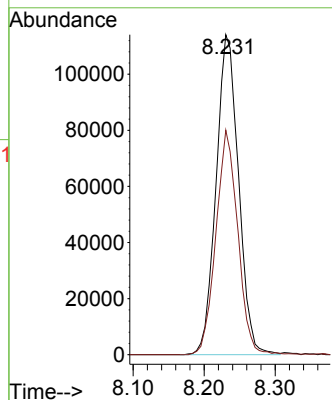
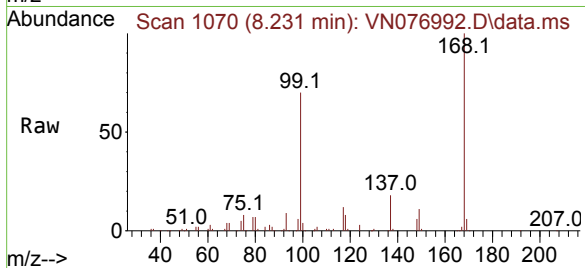
UNION-1

Tgt Ion:168 Resp: 250127

Ion Ratio Lower Upper

168 100

99 70.1 48.6 73.0



#11

Tert butyl alcohol

Concen: 0.339 ug/l

RT: 5.525 min Scan# 610

Delta R.T. -0.006 min

Lab File: VN076992.D

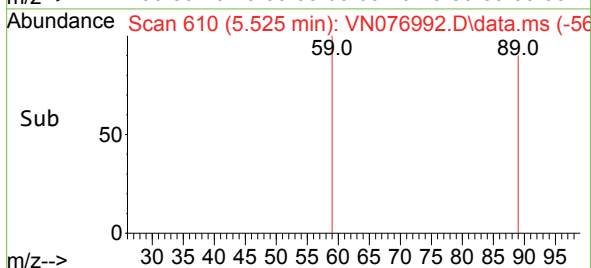
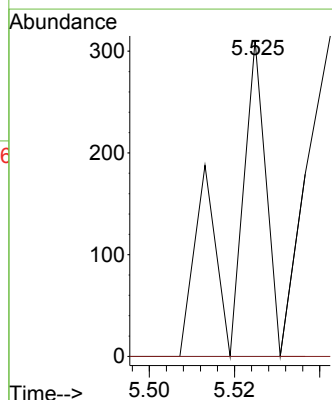
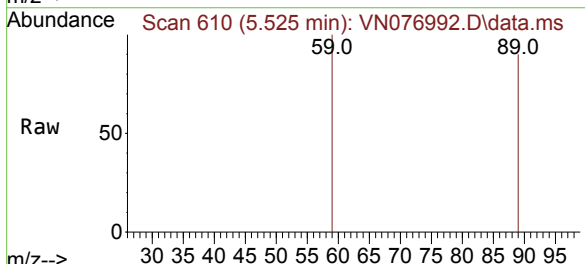
Acq: 14 Mar 2023 19:10

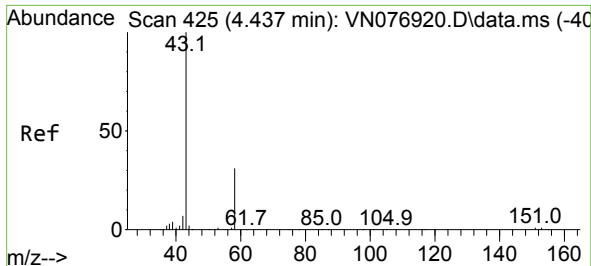
Tgt Ion: 59 Resp: 176

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#





#16

Acetone

Concen: 16.359 ug/l

RT: 4.448 min Scan# 41

Delta R.T. 0.011 min

Lab File: VN076992.D

Acq: 14 Mar 2023 19:10

Instrument :

MSVOA_N

ClientSampleId :

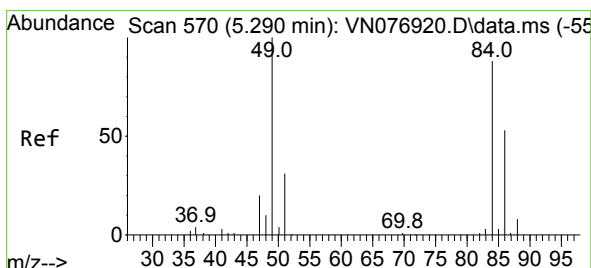
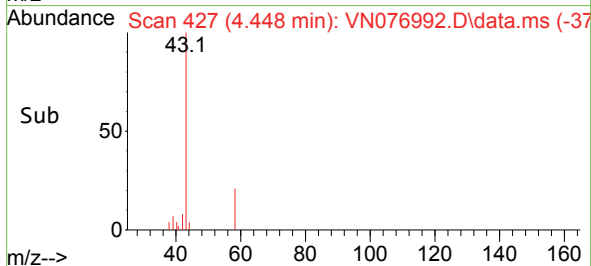
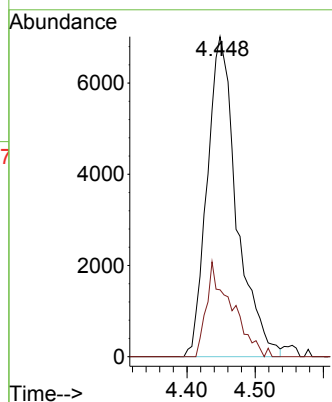
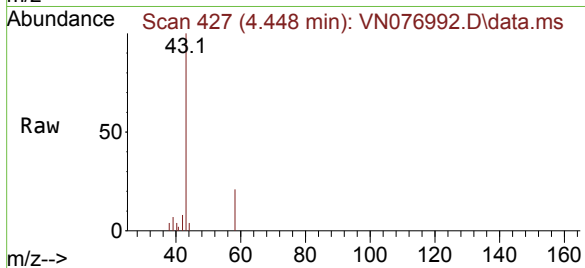
UNION-1

Tgt Ion: 43 Resp: 21159

Ion Ratio Lower Upper

43 100

58 20.9 28.2 42.2#



#20

Methylene Chloride

Concen: 2.484 ug/l

RT: 5.290 min Scan# 570

Delta R.T. -0.000 min

Lab File: VN076992.D

Acq: 14 Mar 2023 19:10

Tgt Ion: 84 Resp: 8260

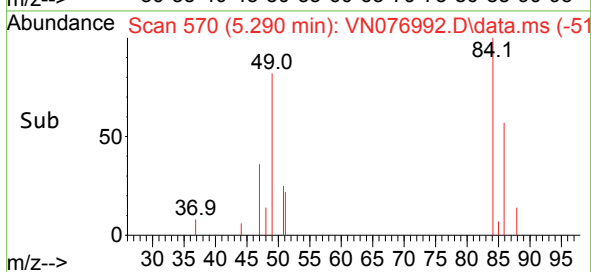
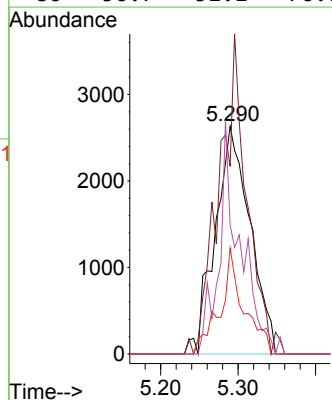
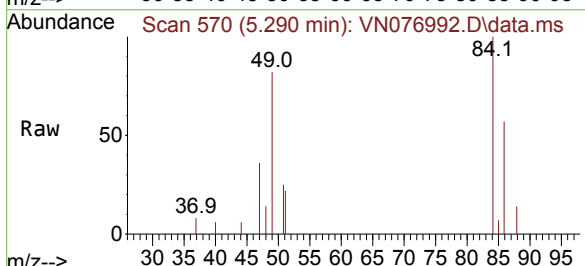
Ion Ratio Lower Upper

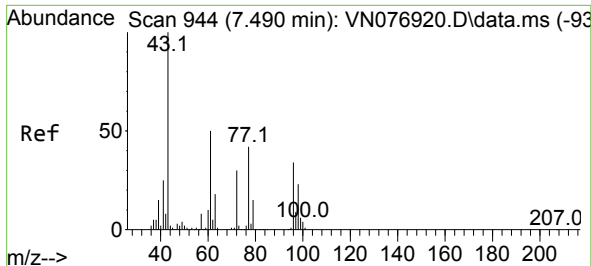
84 100

49 82.4 76.6 114.8

51 46.5 25.4 38.2#

86 56.7 51.1 76.7

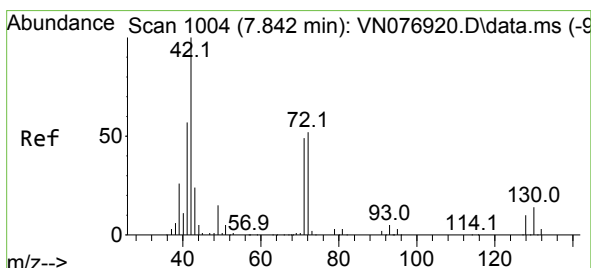
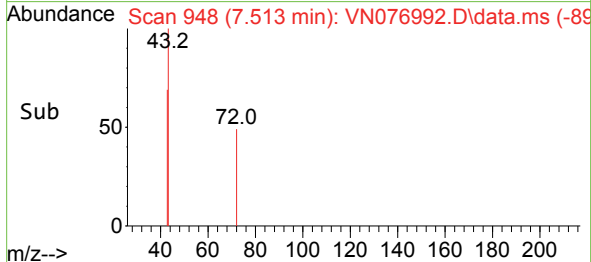
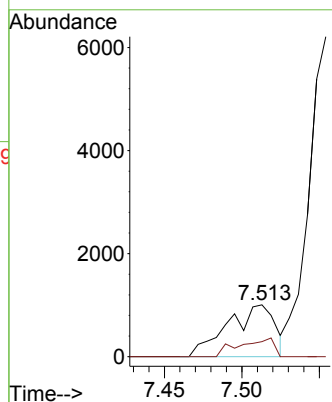
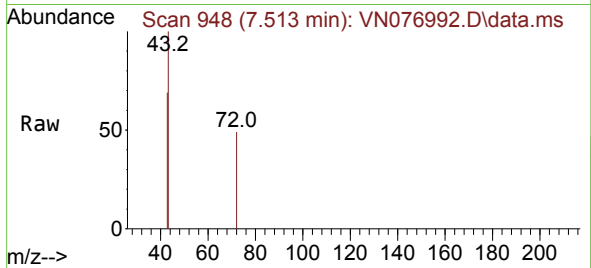




#25
2-Butanone
Concen: 1.162 ug/l
RT: 7.513 min Scan# 944
Delta R.T. 0.023 min
Lab File: VN076992.D
Acq: 14 Mar 2023 19:10

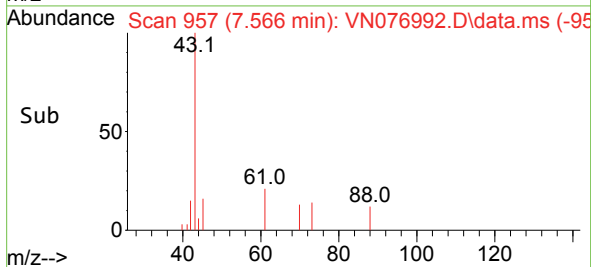
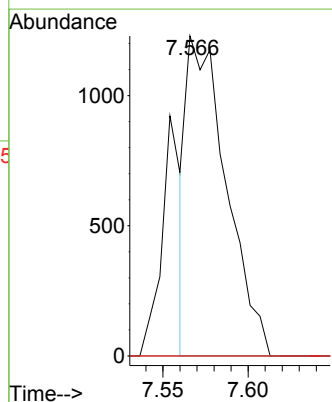
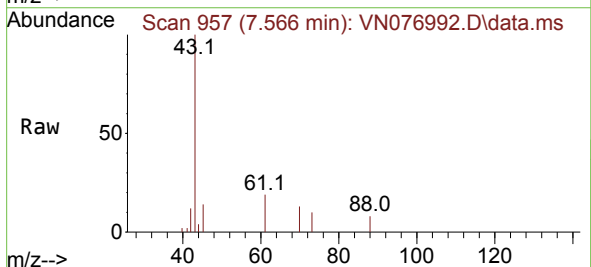
Instrument :
MSVOA_N
ClientSampleId :
UNION-1

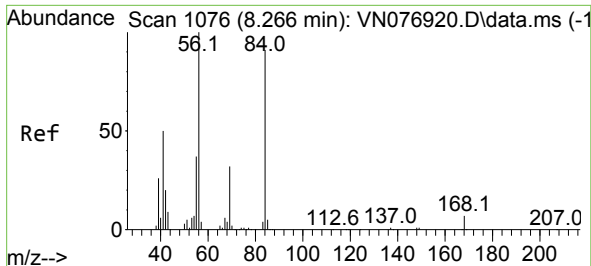
Tgt Ion: 43 Resp: 2138
Ion Ratio Lower Upper
43 100
72 29.0 28.8 43.2



#29
Tetrahydrofuran
Concen: 1.745 ug/l
RT: 7.566 min Scan# 957
Delta R.T. -0.276 min
Lab File: VN076992.D
Acq: 14 Mar 2023 19:10

Tgt Ion: 42 Resp: 1990
Ion Ratio Lower Upper
42 100
72 0.0 48.6 73.0#
71 0.0 45.1 67.7#

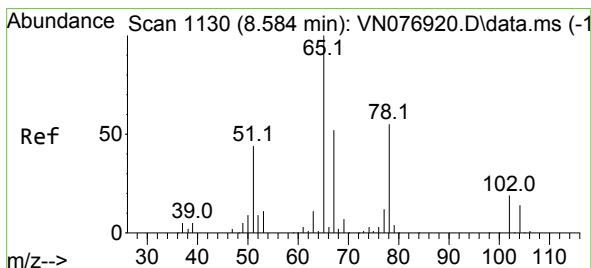
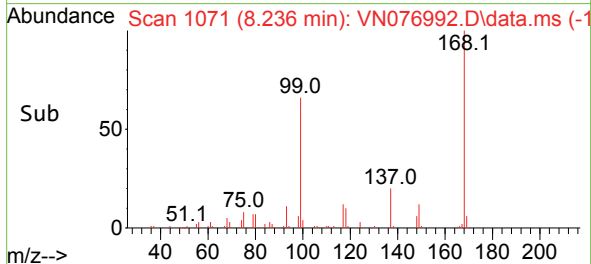
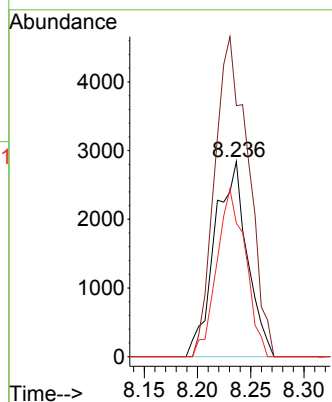
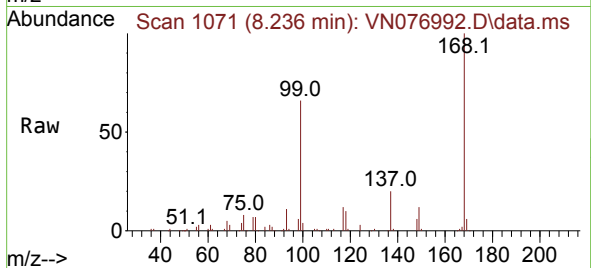




#31
Cyclohexane
Concen: 1.126 ug/l
RT: 8.236 min Scan# 1076
Delta R.T. -0.030 min
Lab File: VN076992.D
Acq: 14 Mar 2023 19:10

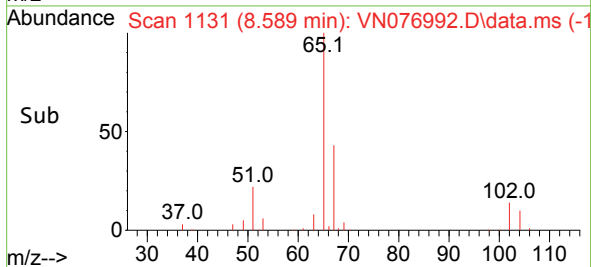
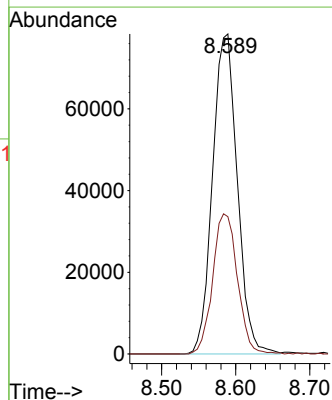
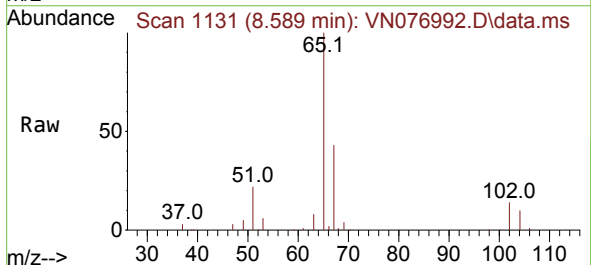
Instrument :
MSVOA_N
ClientSampleId :
UNION-1

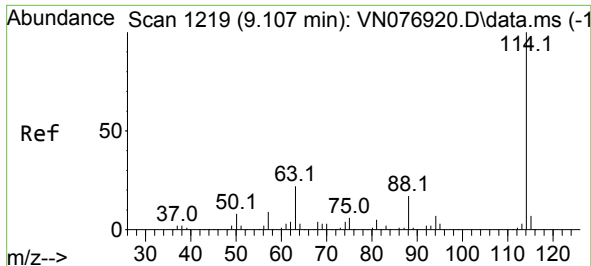
Tgt Ion: 56 Resp: 6029
Ion Ratio Lower Upper
56 100
69 128.6 27.0 40.6#
84 68.3 82.9 124.3#



#33
1,2-Dichloroethane-d4
Concen: 48.749 ug/l
RT: 8.589 min Scan# 1131
Delta R.T. 0.005 min
Lab File: VN076992.D
Acq: 14 Mar 2023 19:10

Tgt Ion: 65 Resp: 181961
Ion Ratio Lower Upper
65 100
67 43.8 0.0 107.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN076992.D

Acq: 14 Mar 2023 19:10

Instrument :

MSVOA_N

ClientSampleId :

UNION-1

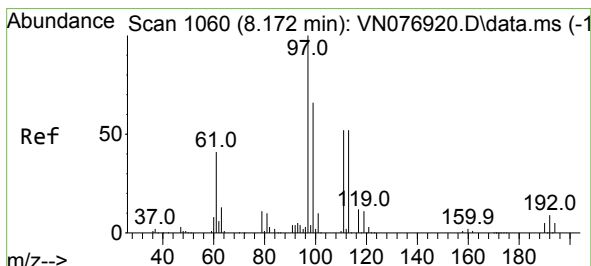
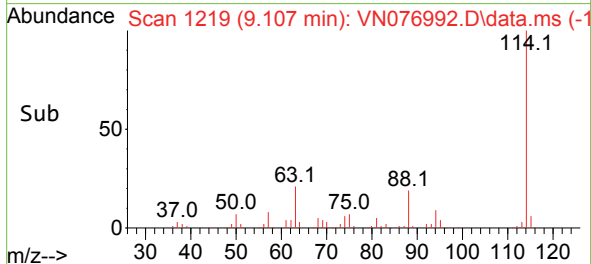
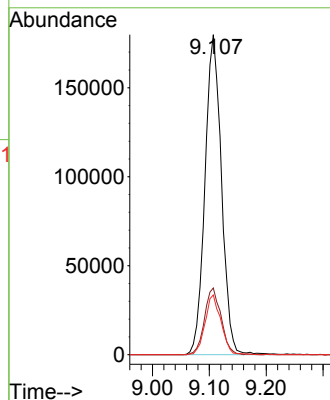
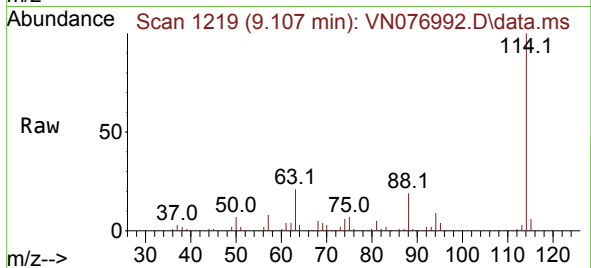
Tgt Ion:114 Resp: 362367

Ion Ratio Lower Upper

114 100

63 20.9 0.0 36.6

88 18.7 0.0 28.6



#35

Dibromofluoromethane

Concen: 48.234 ug/l

RT: 8.178 min Scan# 1061

Delta R.T. 0.006 min

Lab File: VN076992.D

Acq: 14 Mar 2023 19:10

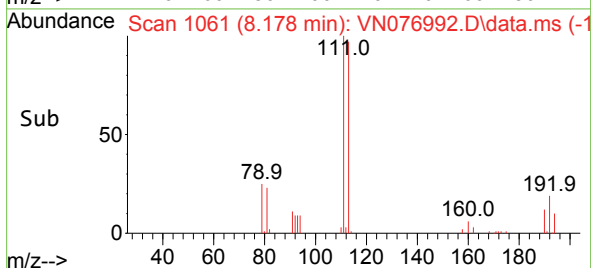
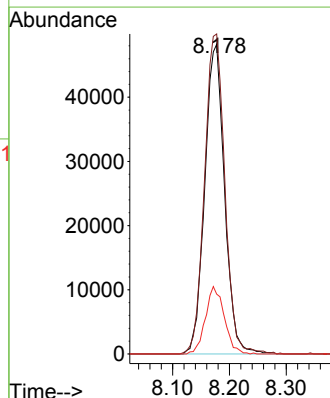
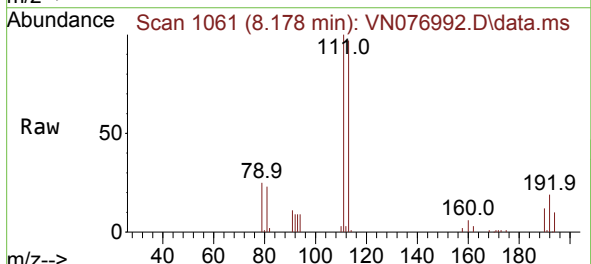
Tgt Ion:113 Resp: 116487

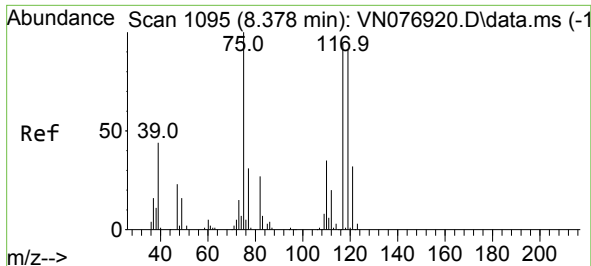
Ion Ratio Lower Upper

113 100

111 105.9 81.8 122.8

192 20.8 13.9 20.9





#36

1,1-Dichloropropene

Concen: 5.361 ug/l

RT: 8.231 min Scan# 1095

Delta R.T. -0.147 min

Lab File: VN076992.D

Acq: 14 Mar 2023 19:10

Instrument :

MSVOA_N

ClientSampleId :

UNION-1

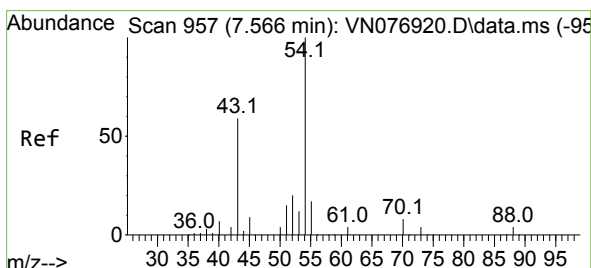
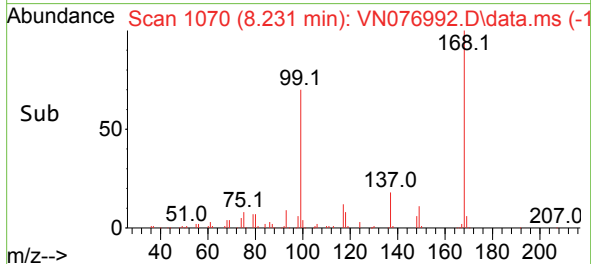
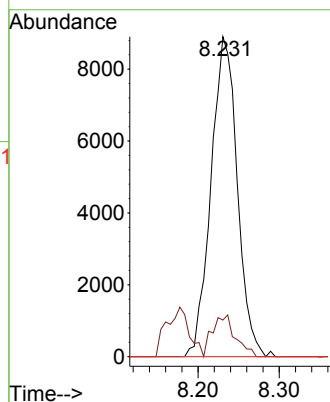
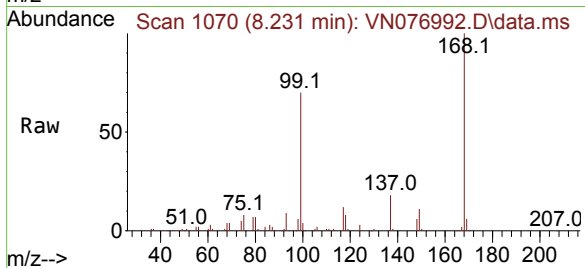
Tgt Ion: 75 Resp: 20025

Ion Ratio Lower Upper

75 100

110 11.4 18.9 56.9#

77 0.0 24.9 37.3#



#37

Ethyl Acetate

Concen: 9.800 ug/l

RT: 7.572 min Scan# 958

Delta R.T. 0.006 min

Lab File: VN076992.D

Acq: 14 Mar 2023 19:10

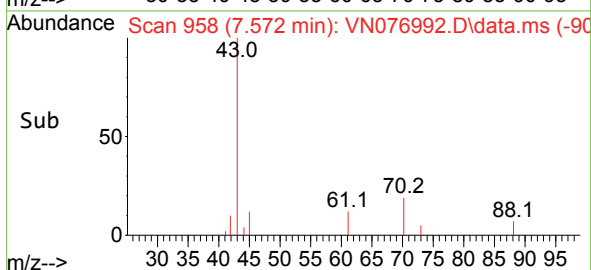
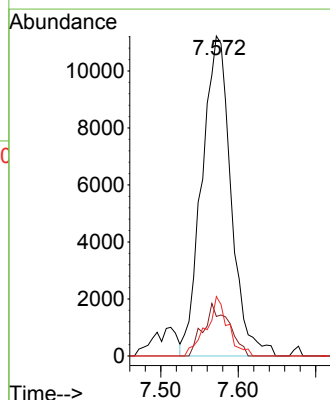
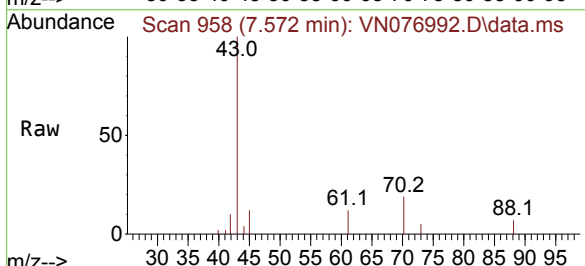
Tgt Ion: 43 Resp: 29272

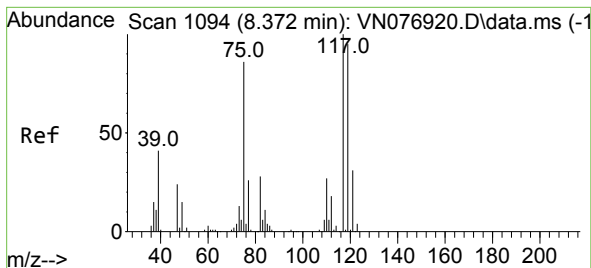
Ion Ratio Lower Upper

43 100

61 14.3 13.5 20.3

70 13.9 11.0 16.6





#38

Carbon Tetrachloride

Concen: 7.005 ug/l

RT: 8.231 min Scan# 1

Delta R.T. -0.141 min

Lab File: VN076992.D

Acq: 14 Mar 2023 19:10

Instrument :

MSVOA_N

ClientSampleId :

UNION-1

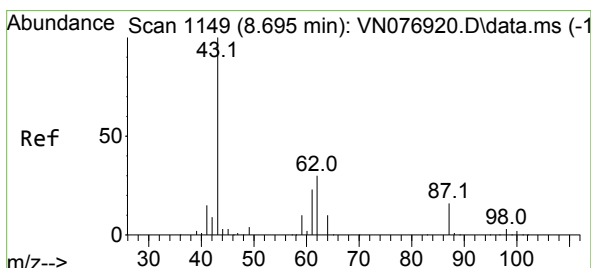
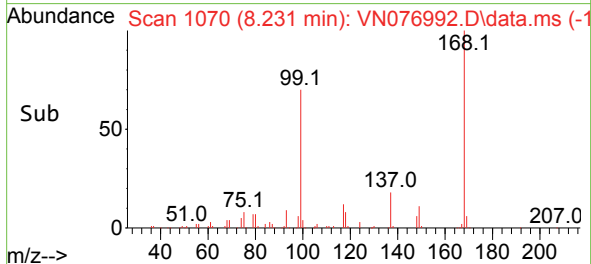
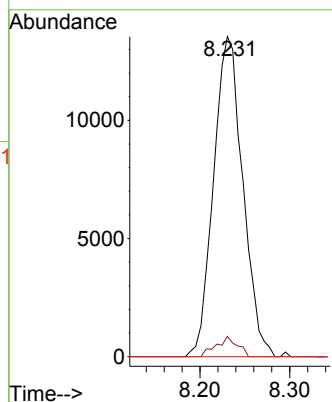
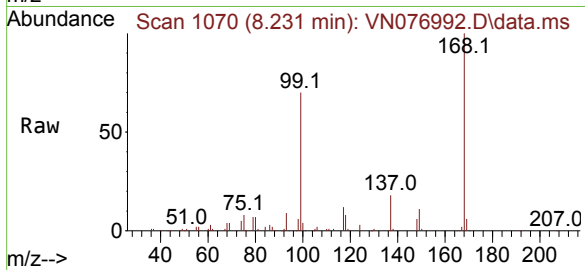
Tgt Ion:117 Resp: 30621

Ion Ratio Lower Upper

117 100

119 6.3 76.9 115.3#

121 0.0 23.2 34.8#



#43

Isopropyl Acetate

Concen: 35.849 ug/l

RT: 8.695 min Scan# 1149

Delta R.T. 0.000 min

Lab File: VN076992.D

Acq: 14 Mar 2023 19:10

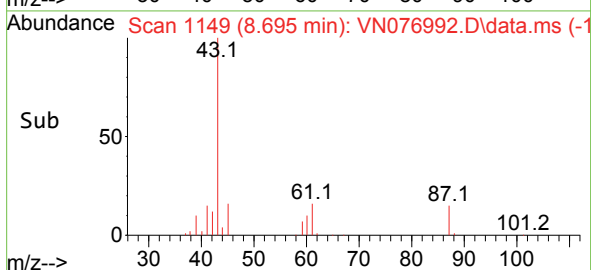
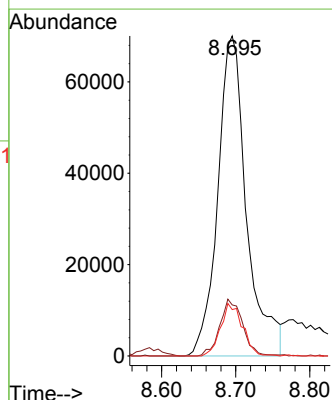
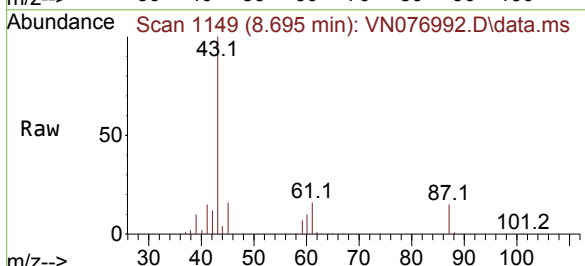
Tgt Ion: 43 Resp: 189029

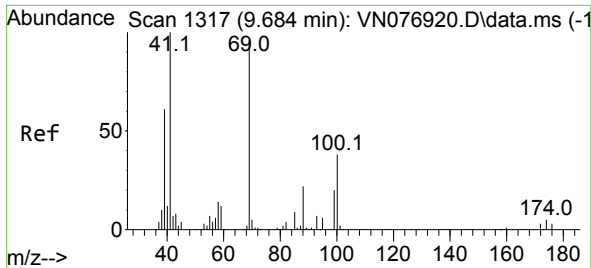
Ion Ratio Lower Upper

43 100

61 14.2 26.2 39.2#

87 12.6 14.8 22.2#

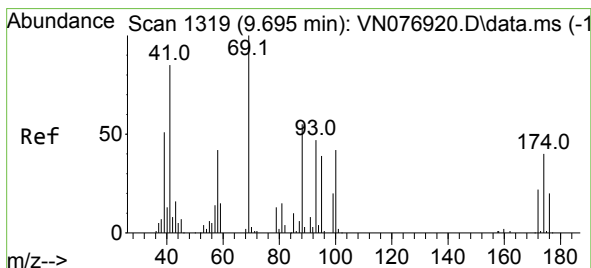
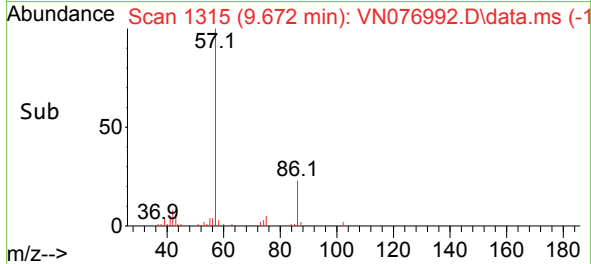
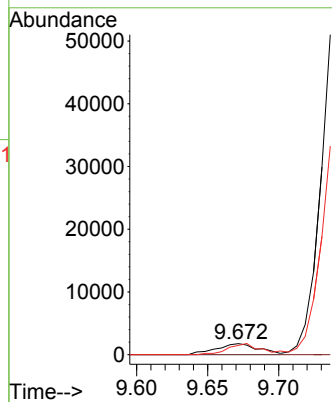
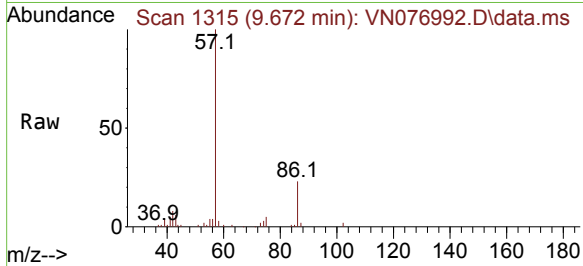




#48
Methyl methacrylate
Concen: 1.415 ug/l
RT: 9.672 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN076992.D
Acq: 14 Mar 2023 19:10

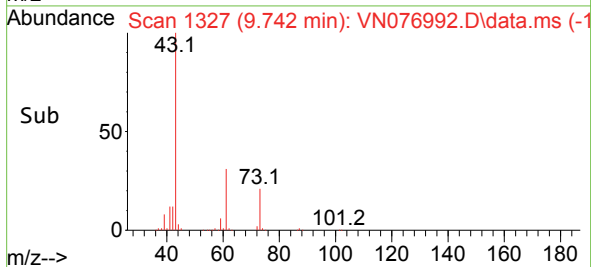
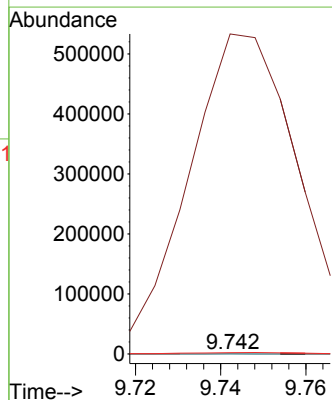
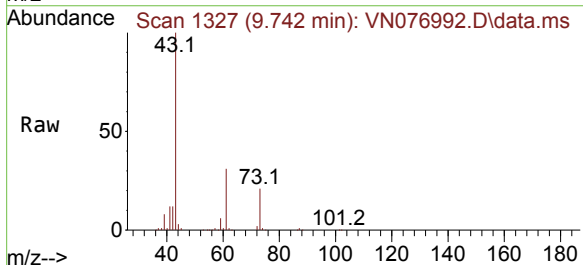
Instrument :
MSVOA_N
ClientSampleId :
UNION-1

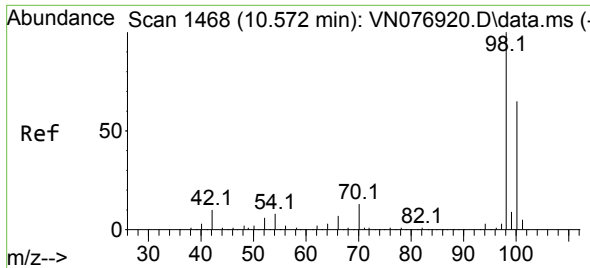
Tgt Ion: 41 Resp: 3656
Ion Ratio Lower Upper
41 100
69 0.0 92.6 139.0#
39 83.2 51.4 77.0#



#49
1,4-Dioxane
Concen: 1.492 ug/l
RT: 9.742 min Scan# 1327
Delta R.T. 0.047 min
Lab File: VN076992.D
Acq: 14 Mar 2023 19:10

Tgt Ion: 88 Resp: 73
Ion Ratio Lower Upper
88 100
43 1353050.7 15.3 22.9#
58 5904.1 47.6 71.4#

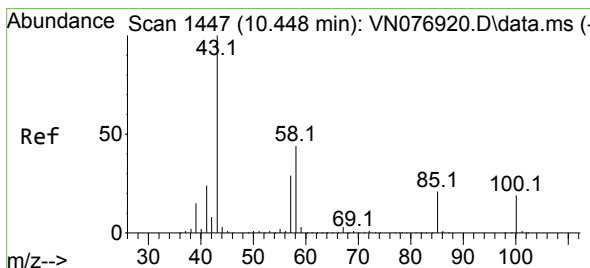
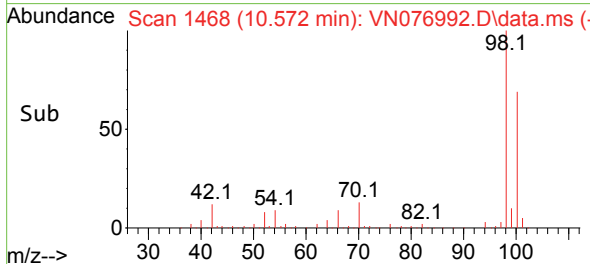
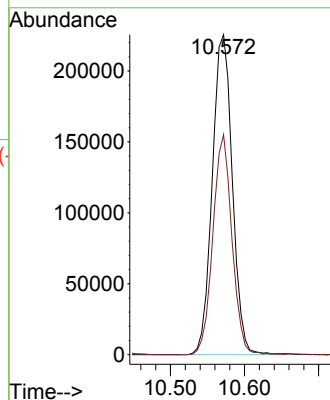
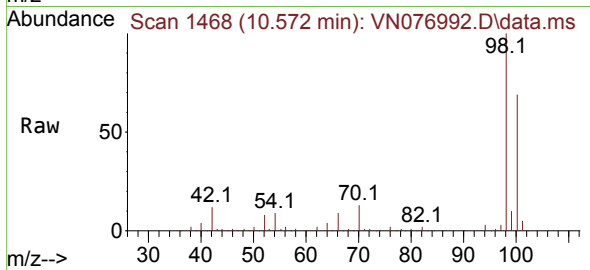




#50
Toluene-d8
Concen: 47.637 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN076992.D
Acq: 14 Mar 2023 19:10

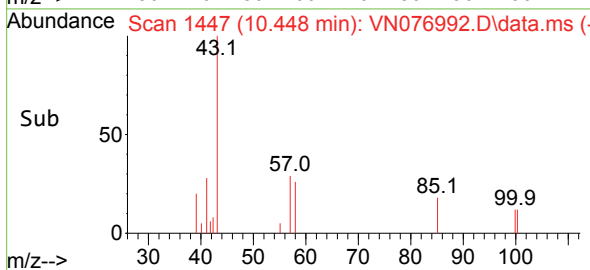
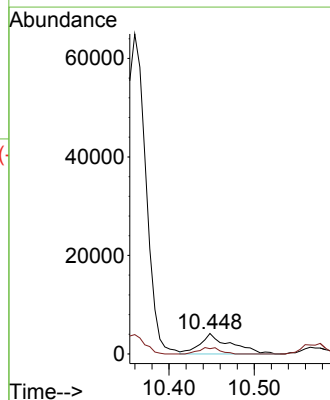
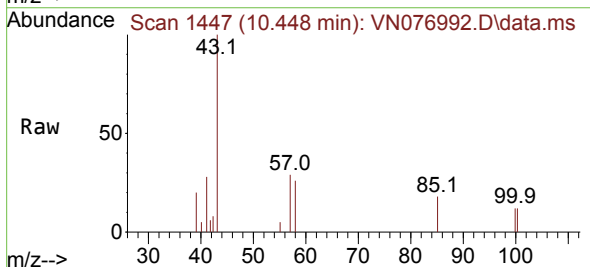
Instrument :
MSVOA_N
ClientSampleId :
UNION-1

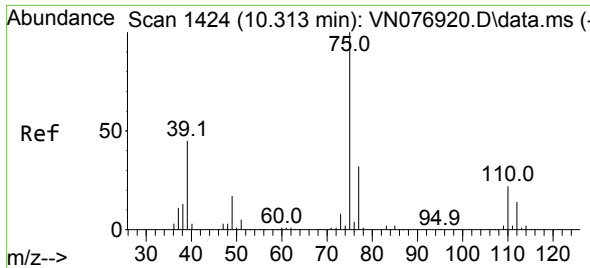
Tgt Ion: 98 Resp: 424002
Ion Ratio Lower Upper
98 100
100 65.3 52.8 79.2



#51
4-Methyl-2-Pentanone
Concen: 3.273 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VN076992.D
Acq: 14 Mar 2023 19:10

Tgt Ion: 43 Resp: 10366
Ion Ratio Lower Upper
43 100
58 21.4 37.4 56.0#

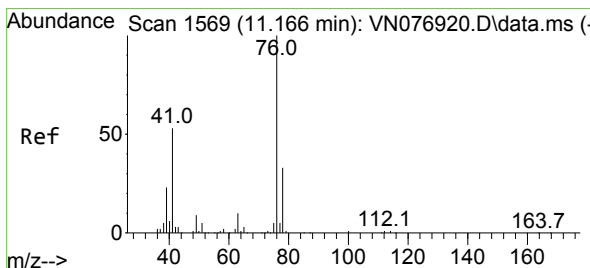
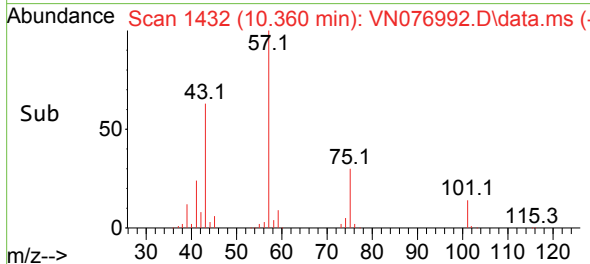
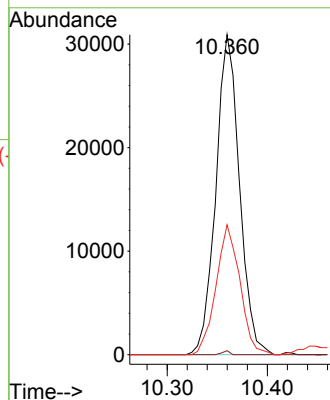
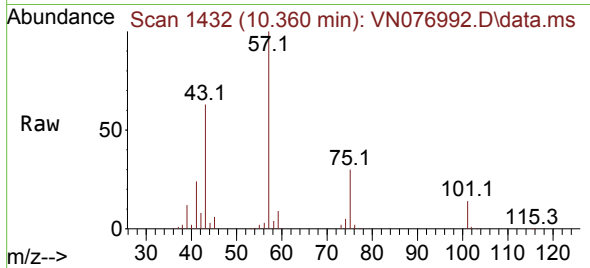




#54
 cis-1,3-Dichloropropene
 Concen: 11.506 ug/l
 RT: 10.360 min Scan# 14
 Delta R.T. 0.047 min
 Lab File: VN076992.D
 Acq: 14 Mar 2023 19:10

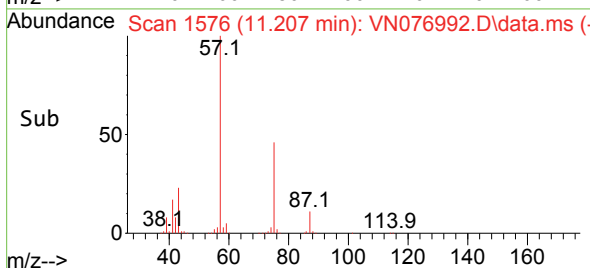
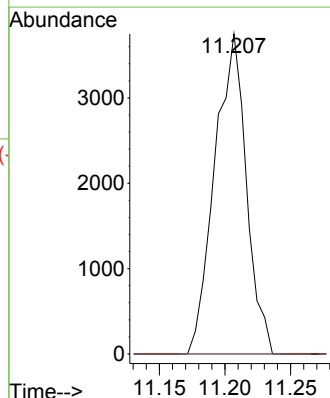
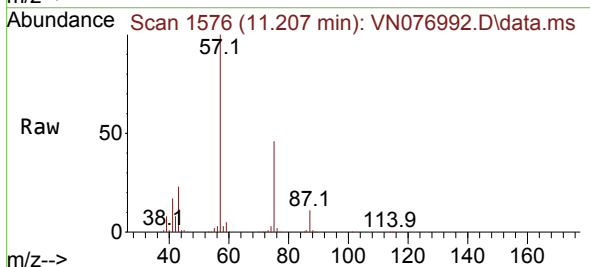
Instrument :
 MSVOA_N
 ClientSampleId :
 UNION-1

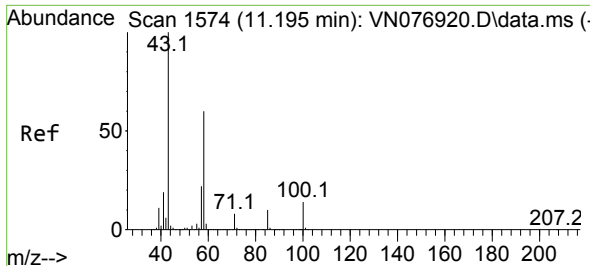
Tgt Ion: 75 Resp: 50560
 Ion Ratio Lower Upper
 75 100
 77 1.3 25.7 38.5#
 39 40.6 29.7 44.5



#57
 1,3-Dichloropropane
 Concen: 1.354 ug/l
 RT: 11.207 min Scan# 1576
 Delta R.T. 0.041 min
 Lab File: VN076992.D
 Acq: 14 Mar 2023 19:10

Tgt Ion: 76 Resp: 6295
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

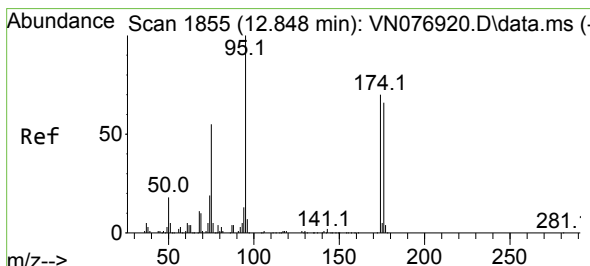
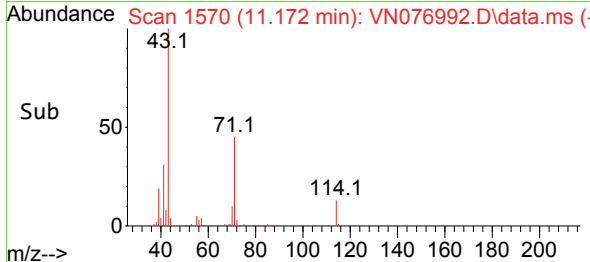
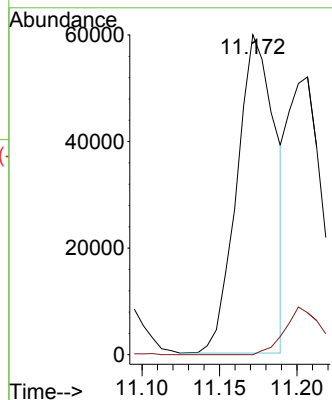
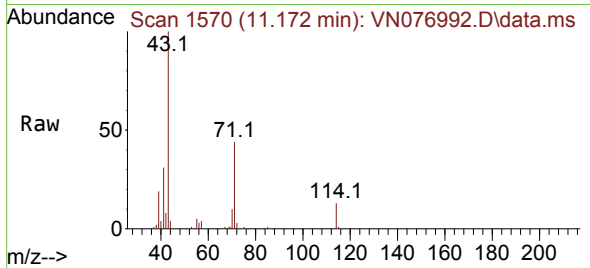




#59
2-Hexanone
Concen: 44.835 ug/l
RT: 11.172 min Scan# 111
Delta R.T. -0.024 min
Lab File: VN076992.D
Acq: 14 Mar 2023 19:10

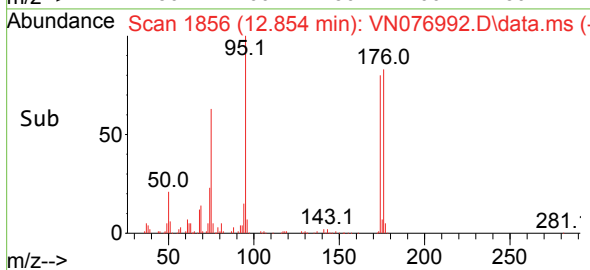
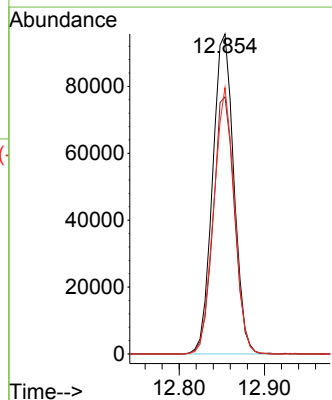
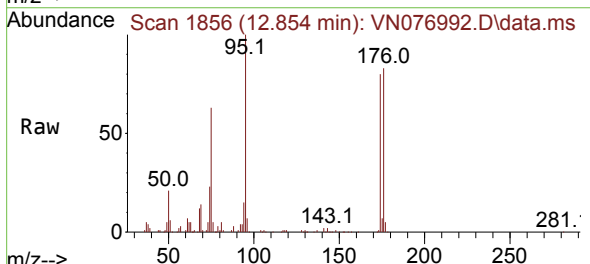
Instrument :
MSVOA_N
ClientSampleId :
UNION-1

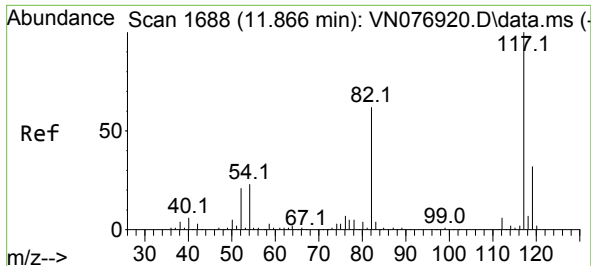
Tgt Ion: 43 Resp: 103550
Ion Ratio Lower Upper
43 100
58 0.0 32.6 98.0#



#62
4-Bromofluorobenzene
Concen: 50.882 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN076992.D
Acq: 14 Mar 2023 19:10

Tgt Ion: 95 Resp: 165650
Ion Ratio Lower Upper
95 100
174 80.5 0.0 162.4
176 81.2 0.0 157.4

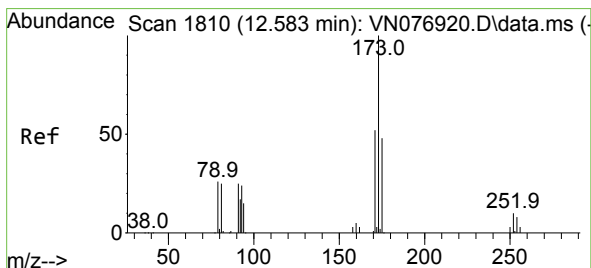
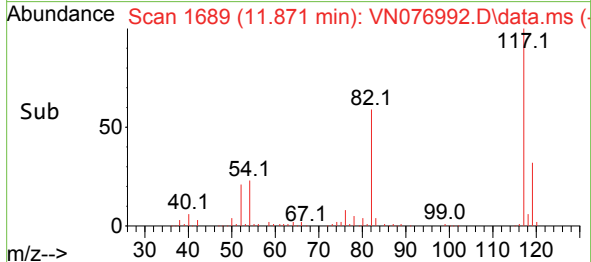
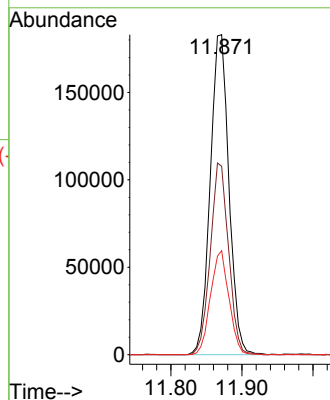
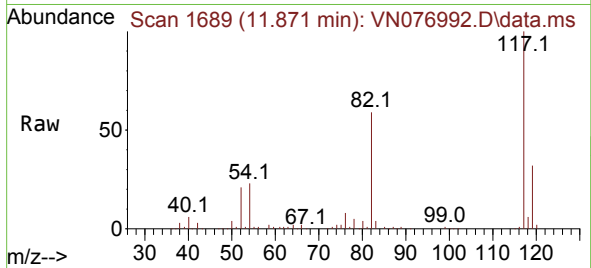




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.005 min
Lab File: VN076992.D
Acq: 14 Mar 2023 19:10

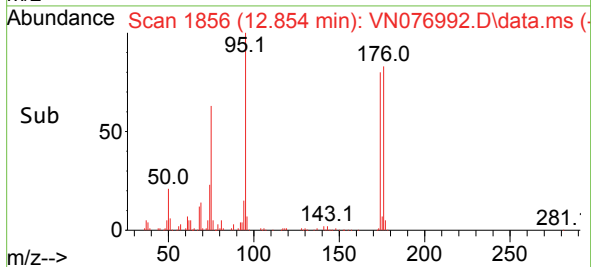
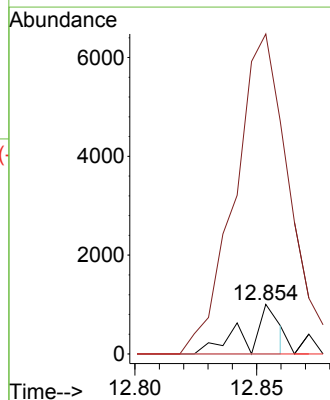
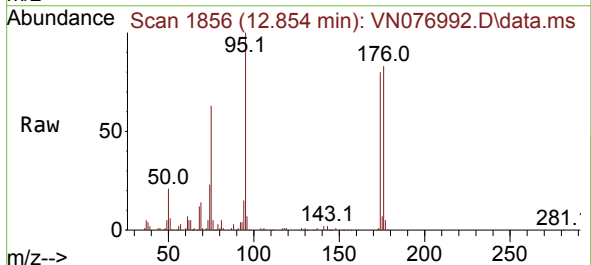
Instrument :
MSVOA_N
ClientSampleId :
UNION-1

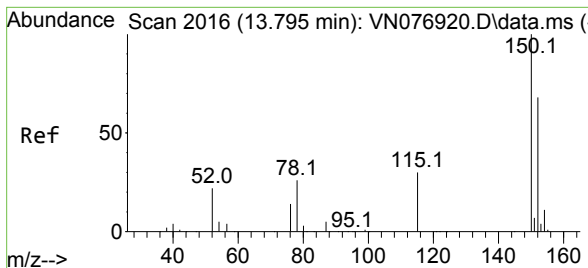
Tgt Ion:117 Resp: 334512
Ion Ratio Lower Upper
117 100
82 58.9 43.5 65.3
119 32.5 25.5 38.3



#71
Bromoform
Concen: 0.434 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.271 min
Lab File: VN076992.D
Acq: 14 Mar 2023 19:10

Tgt Ion:173 Resp: 918
Ion Ratio Lower Upper
173 100
175 919.0 24.9 74.6#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.795 min Scan# 2016

Delta R.T. -0.000 min

Lab File: VN076992.D

Acq: 14 Mar 2023 19:10

Instrument :

MSVOA_N

ClientSampleId :

UNION-1

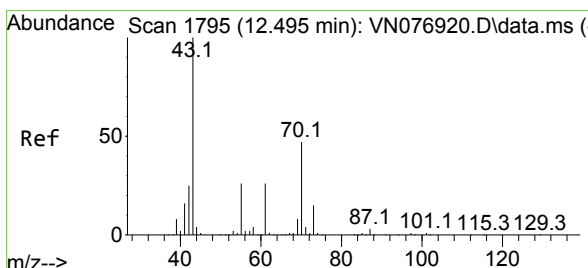
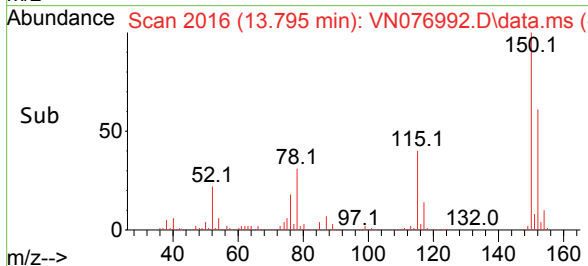
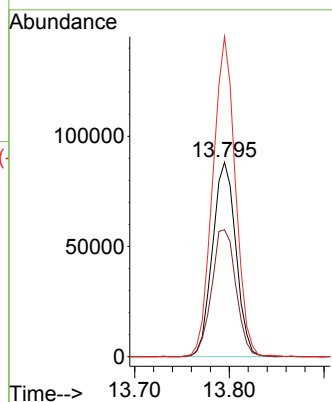
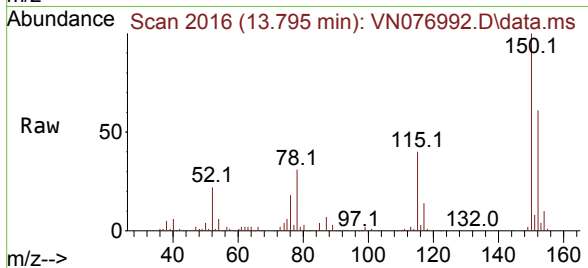
Tgt Ion:152 Resp: 151565

Ion Ratio Lower Upper

152 100

115 67.9 30.3 90.9

150 159.2 0.0 353.6



#74

N-ethyl acetate

Concen: 0.211 ug/l

RT: 12.495 min Scan# 1795

Delta R.T. -0.000 min

Lab File: VN076992.D

Acq: 14 Mar 2023 19:10

Tgt Ion: 43 Resp: 942

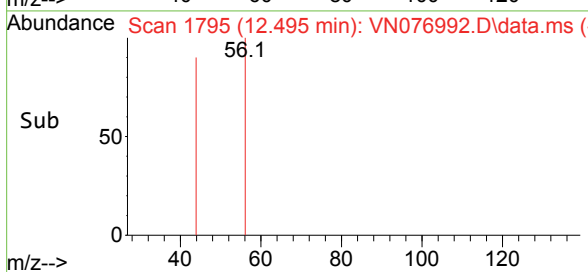
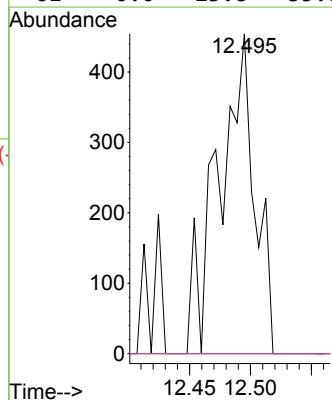
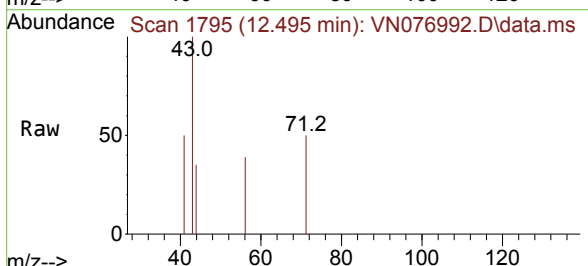
Ion Ratio Lower Upper

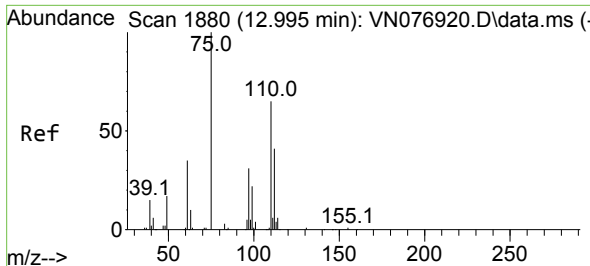
43 100

70 0.0 46.8 70.2#

55 0.0 23.4 35.2#

61 0.0 23.8 35.8#

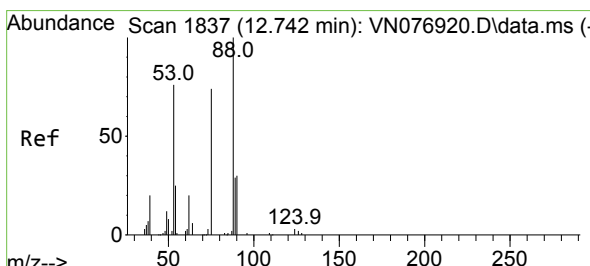
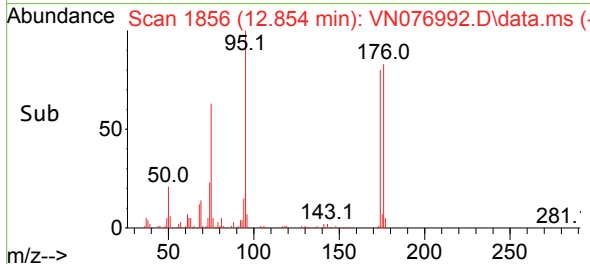
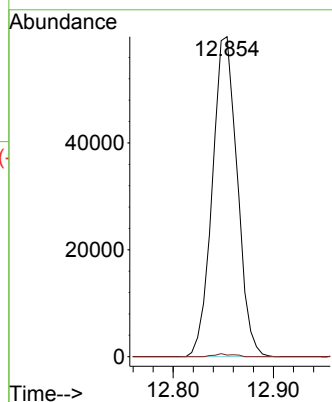
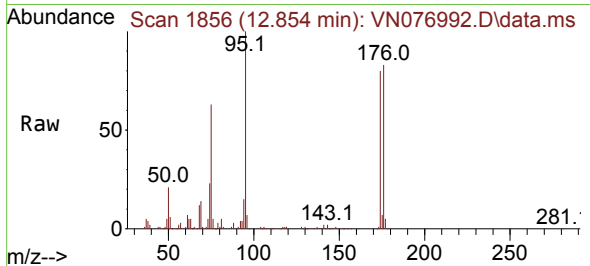




#76
1,2,3-Trichloropropane
Concen: 28.149 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN076992.D
Acq: 14 Mar 2023 19:10

Instrument :
MSVOA_N
ClientSampleId :
UNION-1

Tgt Ion: 75 Resp: 103437
Ion Ratio Lower Upper
75 100
77 0.7 93.8 281.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.949 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.112 min
Lab File: VN076992.D
Acq: 14 Mar 2023 19:10

Tgt Ion: 75 Resp: 103437
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.0#
89 0.0 39.5 59.3#

