

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022823\
 Data File : VN076834.D
 Acq On : 28 Feb 2023 17:45
 Operator : JC\MD
 Sample : 01700-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1R

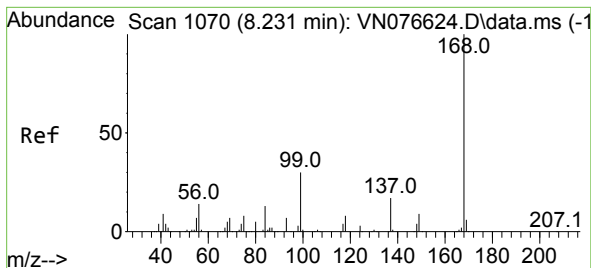
Quant Time: Mar 01 01:31:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021323W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 14 01:44:47 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.231	168	283704	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	526293	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.872	117	488104	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	181091	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	212892	54.343	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.680%			
35) Dibromofluoromethane	8.172	113	156192	45.318	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 90.640%			
50) Toluene-d8	10.572	98	669028	51.978	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.960%			
62) 4-Bromofluorobenzene	12.854	95	194043	45.517	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 91.040%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.543	59	1091	2.110	ug/l #	71
16) Acetone	4.449	43	76016	43.440	ug/l	95
18) Methyl Acetate	5.031	43	2207	0.386	ug/l #	54
20) Methylene Chloride	5.296	84	18736	5.109	ug/l	97
25) 2-Butanone	7.495	43	10079	3.905	ug/l #	84
31) Cyclohexane	8.237	56	8206	1.335	ug/l #	1
36) 1,1-Dichloropropene	8.231	75	25941	5.209	ug/l #	49
37) Ethyl Acetate	7.578	43	43958	8.390	ug/l	96
38) Carbon Tetrachloride	8.231	117	29993	5.971	ug/l #	16
43) Isopropyl Acetate	8.695	43	396236	46.476	ug/l #	74
48) Methyl methacrylate	9.666	41	7629	1.886	ug/l #	44
49) 1,4-Dioxane	9.701	88	58	0.829	ug/l #	23
51) 4-Methyl-2-Pentanone	10.448	43	22481	4.144	ug/l #	81
54) cis-1,3-Dichloropropene	10.360	75	71547	12.385	ug/l #	66
56) Ethyl methacrylate	10.995	69	2377	0.450	ug/l #	1
57) 1,3-Dichloropropane	11.207	76	6349	0.984	ug/l #	44
59) 2-Hexanone	11.172	43	303688	77.646	ug/l #	27
71) Bromoform	12.854	173	2377	0.862	ug/l #	1
74) N-amyl acetate	12.454	43	2150	0.359	ug/l #	51
76) 1,2,3-Trichloropropane	12.854	75	109658	29.952	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	109658	87.237	ug/l #	4
84) 1,2,4-Trimethylbenzene	13.507	105	2777	0.254	ug/l #	30

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

Quant Time: Mar 01 01:31:06 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021323W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 14 01:44:47 2023
Response via : Initial Calibration

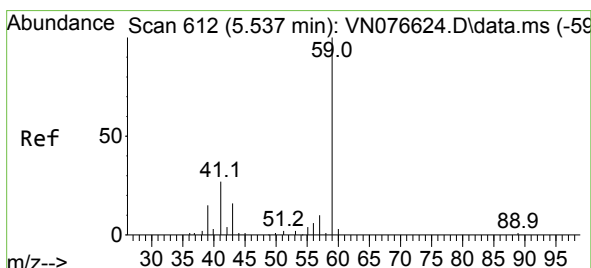
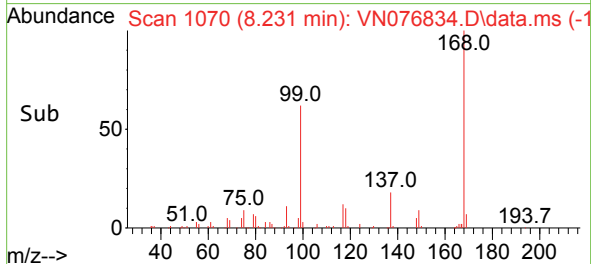
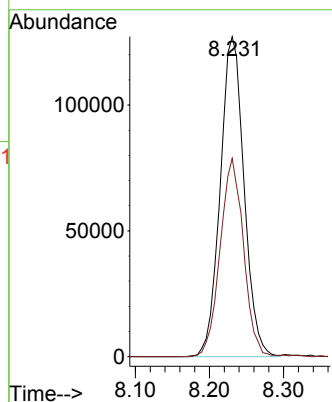
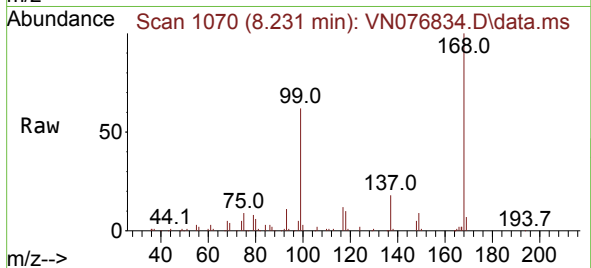




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN076834.D
Acq: 28 Feb 2023 17:45

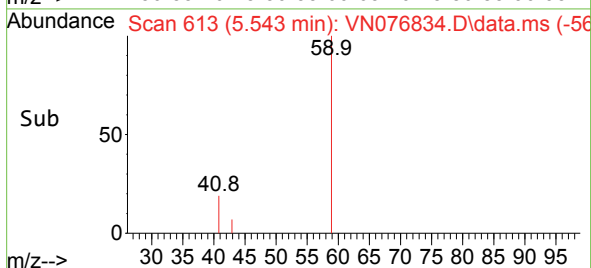
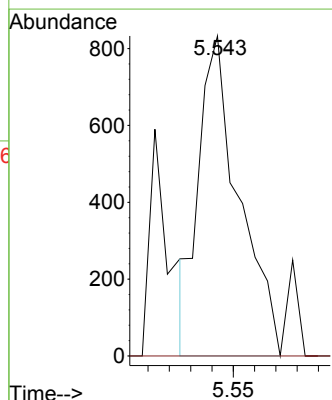
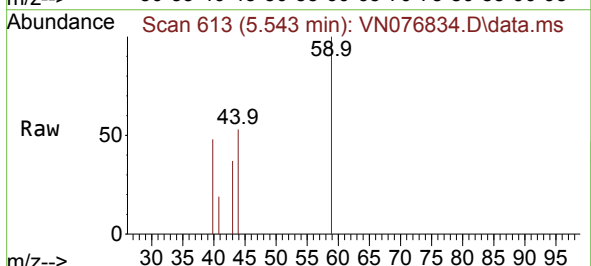
Instrument :
MSVOA_N
ClientSampleId :
MW-1R

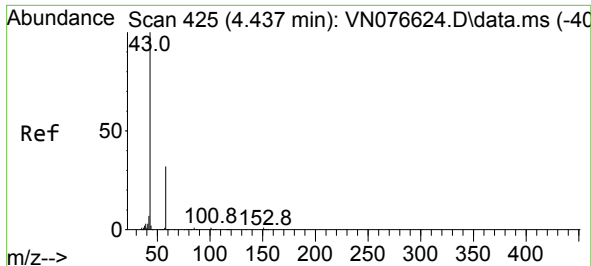
Tgt Ion:168 Resp: 283704
Ion Ratio Lower Upper
168 100
99 61.9 44.8 67.2



#11
Tert butyl alcohol
Concen: 2.110 ug/l
RT: 5.543 min Scan# 613
Delta R.T. 0.006 min
Lab File: VN076834.D
Acq: 28 Feb 2023 17:45

Tgt Ion: 59 Resp: 1091
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

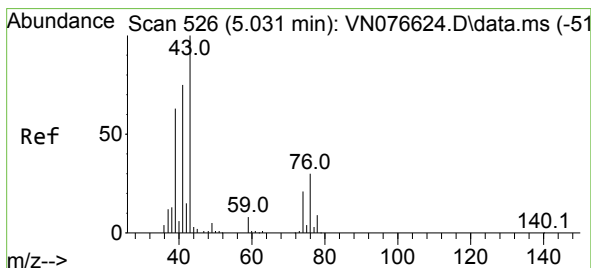
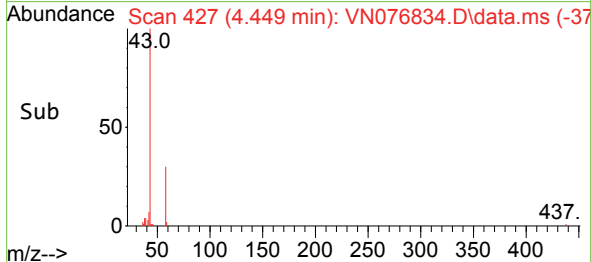
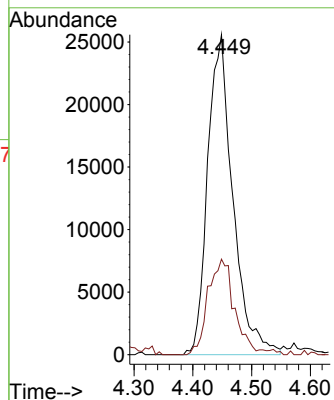
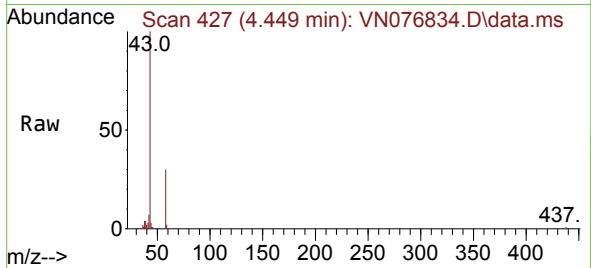




#16
Acetone
Concen: 43.440 ug/l
RT: 4.449 min Scan# 427
Delta R.T. 0.012 min
Lab File: VN076834.D
Acq: 28 Feb 2023 17:45

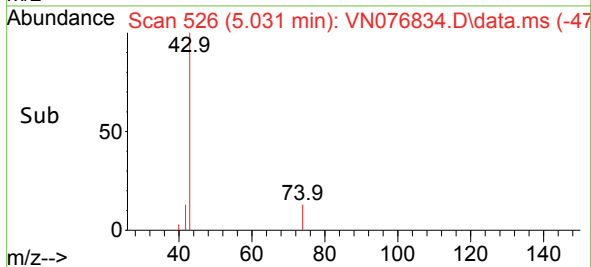
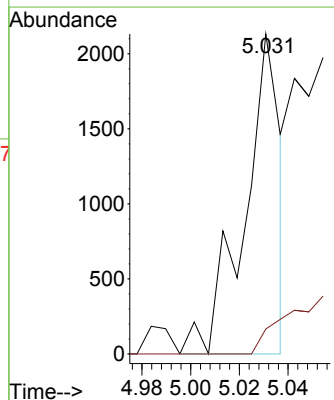
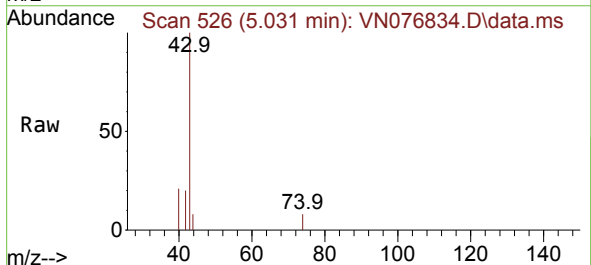
Instrument :
MSVOA_N
ClientSampleId :
MW-1R

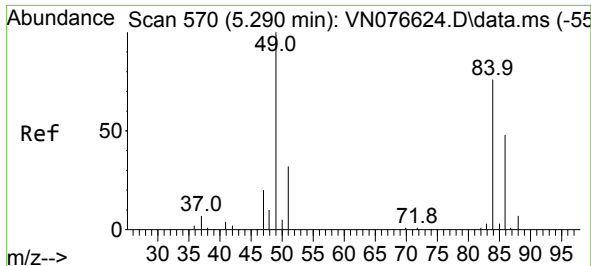
Tgt Ion: 43 Resp: 76016
Ion Ratio Lower Upper
43 100
58 29.9 25.9 38.9



#18
Methyl Acetate
Concen: 0.386 ug/l
RT: 5.031 min Scan# 526
Delta R.T. -0.000 min
Lab File: VN076834.D
Acq: 28 Feb 2023 17:45

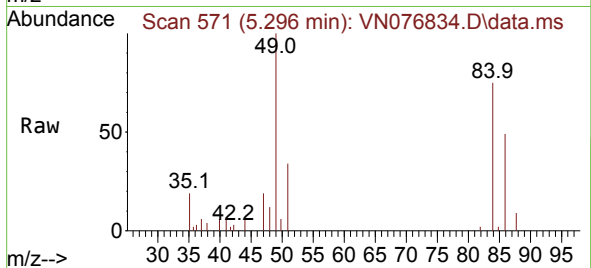
Tgt Ion: 43 Resp: 2207
Ion Ratio Lower Upper
43 100
74 0.0 17.7 26.5#



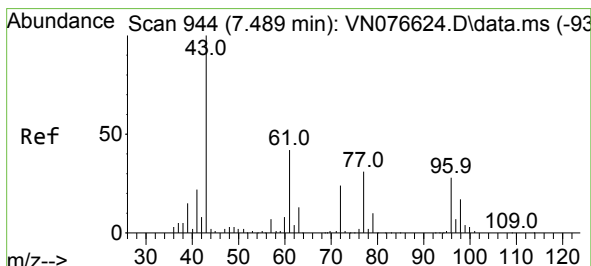
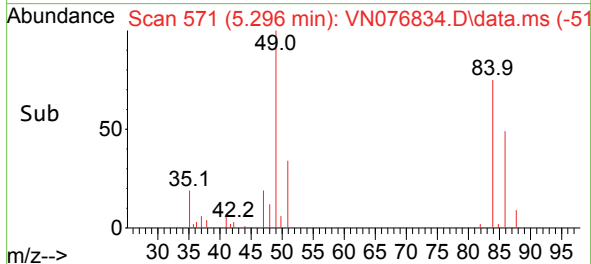
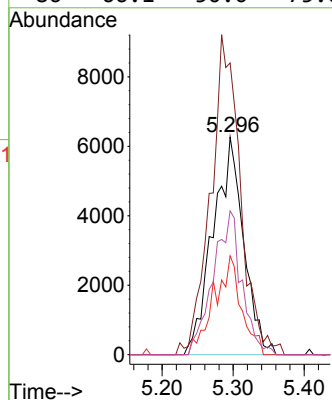


#20
Methylene Chloride
Concen: 5.109 ug/l
RT: 5.296 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN076834.D
Acq: 28 Feb 2023 17:45

Instrument :
MSVOA_N
ClientSampleId :
MW-1R

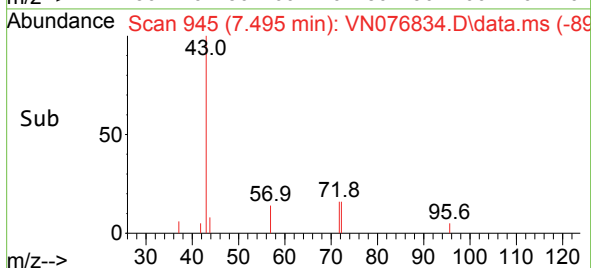
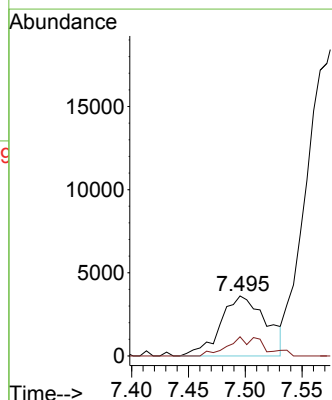
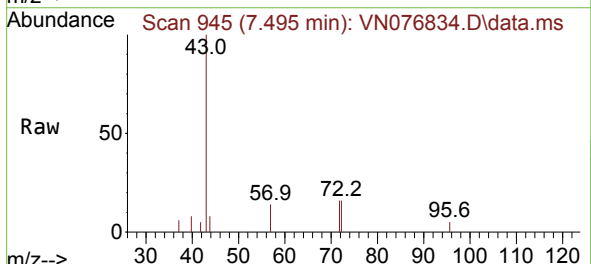


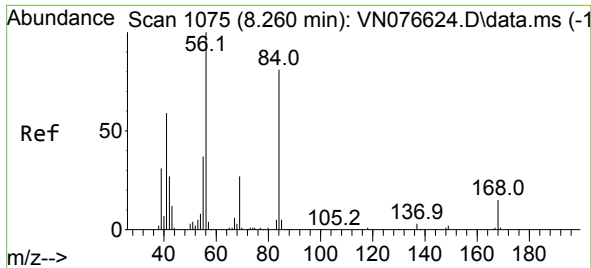
Tgt Ion:	84	Resp:	18736
Ion	Ratio	Lower	Upper
84	100		
49	129.2	104.9	157.3
51	45.4	33.8	50.8
86	66.1	50.0	75.0



#25
2-Butanone
Concen: 3.905 ug/l
RT: 7.495 min Scan# 945
Delta R.T. 0.006 min
Lab File: VN076834.D
Acq: 28 Feb 2023 17:45

Tgt Ion:	43	Resp:	10079
Ion	Ratio	Lower	Upper
43	100		
72	32.1	19.4	29.2#

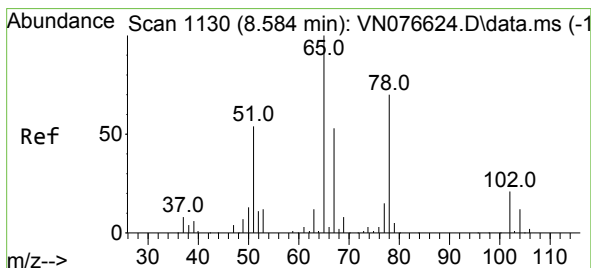
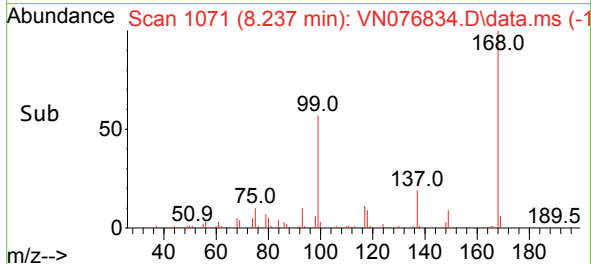
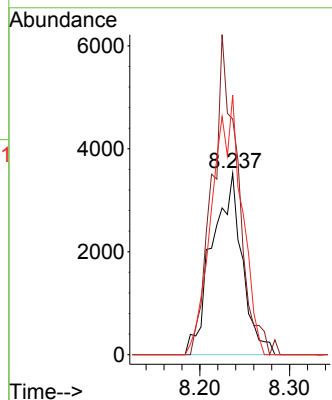
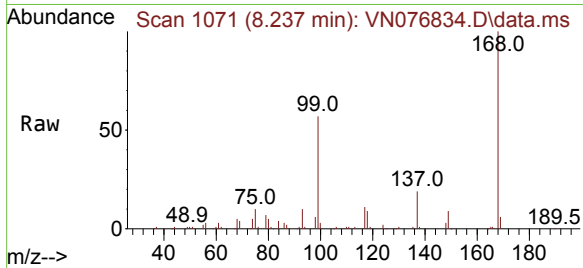




#31
Cyclohexane
Concen: 1.335 ug/l
RT: 8.237 min Scan# 1071
Delta R.T. -0.023 min
Lab File: VN076834.D
Acq: 28 Feb 2023 17:45

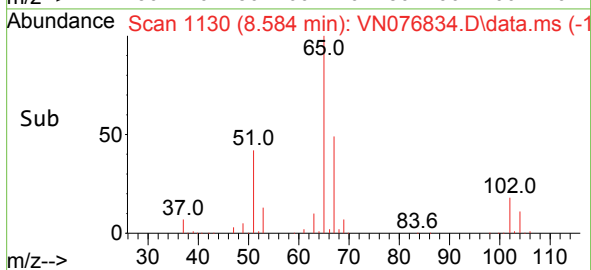
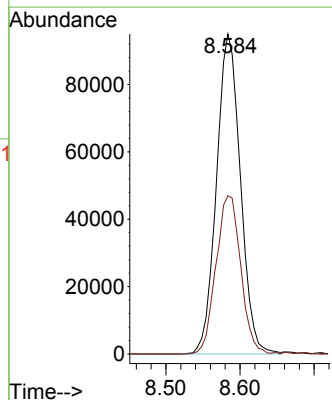
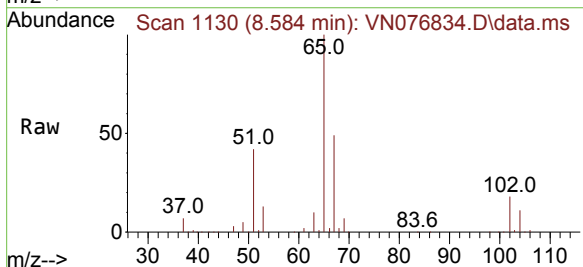
Instrument :
MSVOA_N
ClientSampleId :
MW-1R

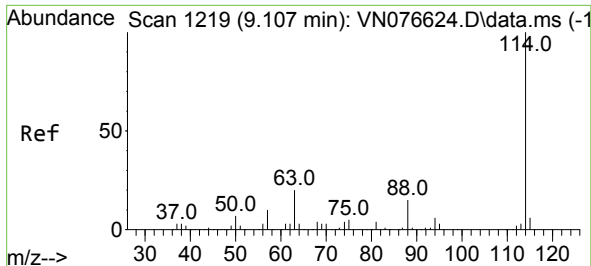
Tgt Ion: 56 Resp: 8206
Ion Ratio Lower Upper
56 100
69 129.9 21.6 32.4#
84 143.1 65.1 97.7#



#33
1,2-Dichloroethane-d4
Concen: 54.343 ug/l
RT: 8.584 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN076834.D
Acq: 28 Feb 2023 17:45

Tgt Ion: 65 Resp: 212892
Ion Ratio Lower Upper
65 100
67 51.1 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN076834.D

Acq: 28 Feb 2023 17:45

Instrument :

MSVOA_N

ClientSampleId :

MW-1R

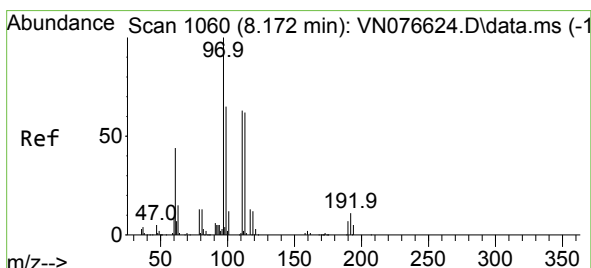
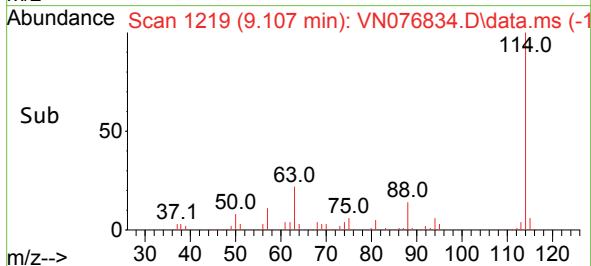
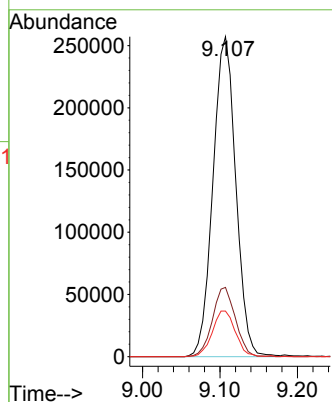
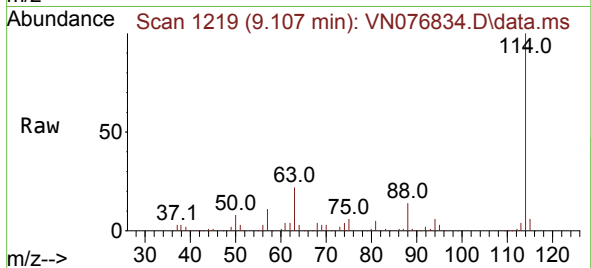
Tgt Ion:114 Resp: 526293

Ion Ratio Lower Upper

114 100

63 21.7 0.0 40.0

88 14.3 0.0 29.6



#35

Dibromofluoromethane

Concen: 45.318 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VN076834.D

Acq: 28 Feb 2023 17:45

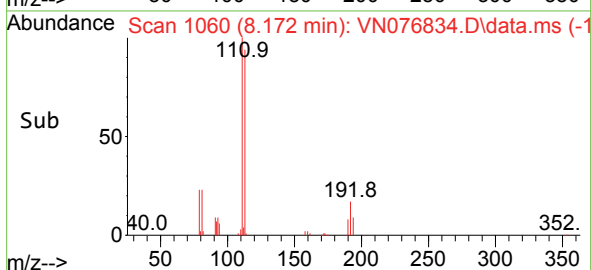
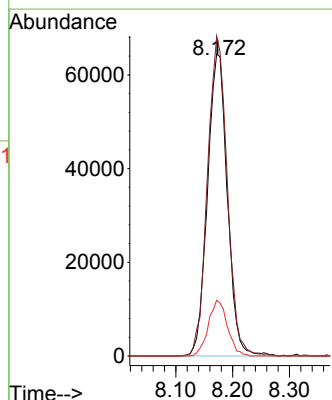
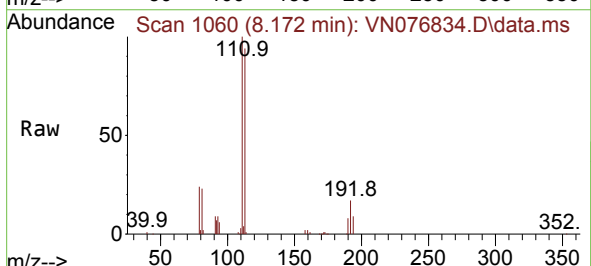
Tgt Ion:113 Resp: 156192

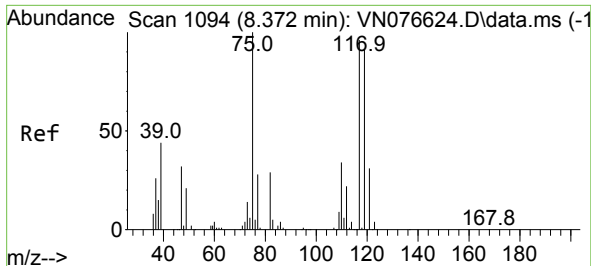
Ion Ratio Lower Upper

113 100

111 105.3 83.1 124.7

192 17.7 15.6 23.4

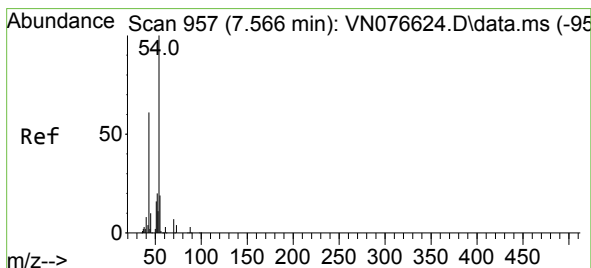
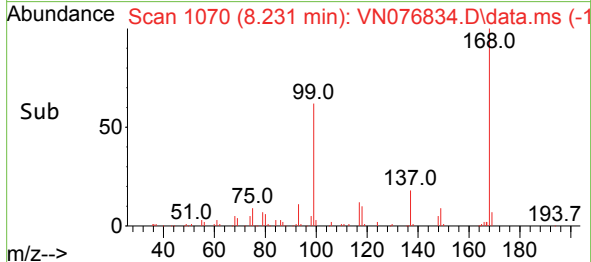
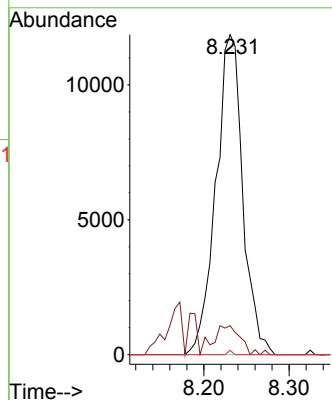
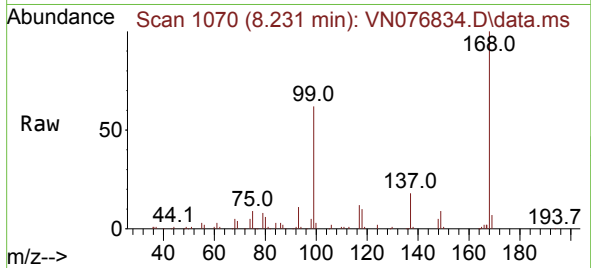




#36
1,1-Dichloropropene
Concen: 5.209 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.141 min
Lab File: VN076834.D
Acq: 28 Feb 2023 17:45

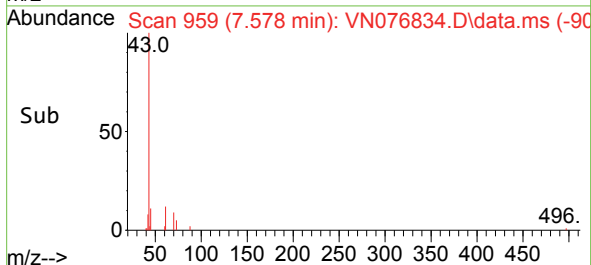
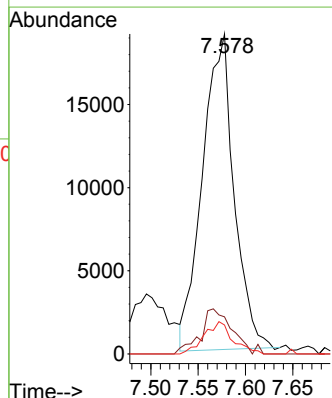
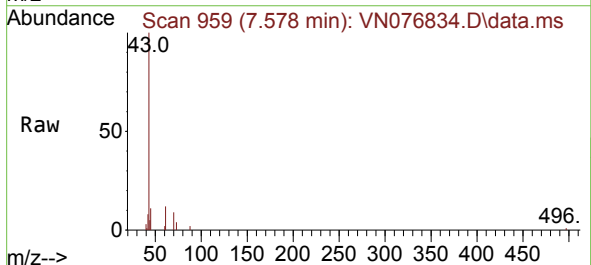
Instrument :
MSVOA_N
ClientSampleId :
MW-1R

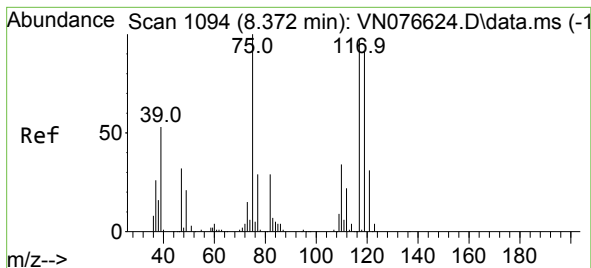
Tgt Ion: 75 Resp: 25941
Ion Ratio Lower Upper
75 100
110 8.0 17.5 52.5#
77 0.2 24.5 36.7#



#37
Ethyl Acetate
Concen: 8.390 ug/l
RT: 7.578 min Scan# 959
Delta R.T. 0.012 min
Lab File: VN076834.D
Acq: 28 Feb 2023 17:45

Tgt Ion: 43 Resp: 43958
Ion Ratio Lower Upper
43 100
61 14.5 9.9 14.9
70 9.2 7.8 11.6





#38

Carbon Tetrachloride

Concen: 5.971 ug/l

RT: 8.231 min Scan# 1

Delta R.T. -0.141 min

Lab File: VN076834.D

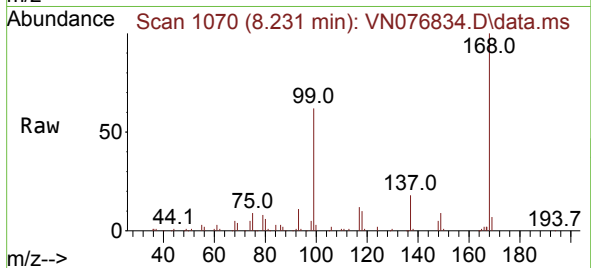
Acq: 28 Feb 2023 17:45

Instrument :

MSVOA_N

ClientSampleId :

MW-1R



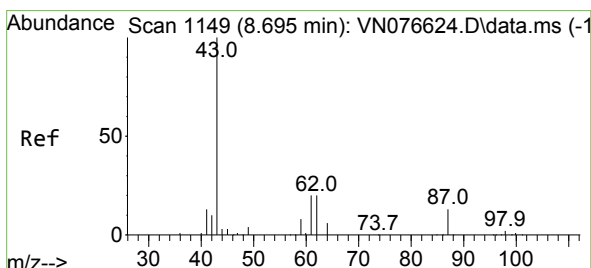
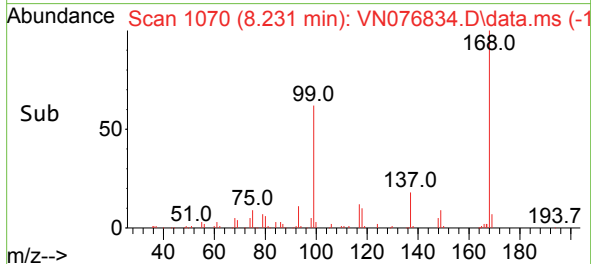
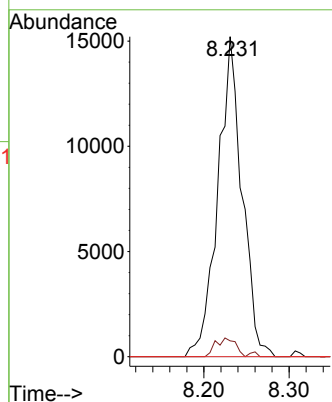
Tgt Ion:117 Resp: 29993

Ion Ratio Lower Upper

117 100

119 4.9 75.4 113.0#

121 0.0 26.0 39.0#



#43

Isopropyl Acetate

Concen: 46.476 ug/l

RT: 8.695 min Scan# 1149

Delta R.T. 0.000 min

Lab File: VN076834.D

Acq: 28 Feb 2023 17:45

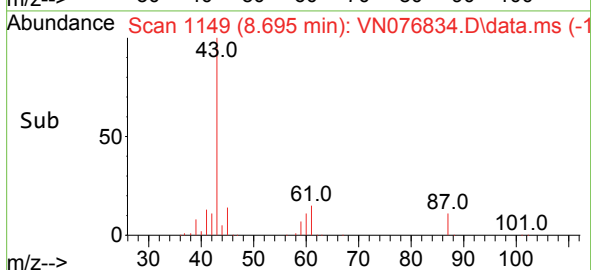
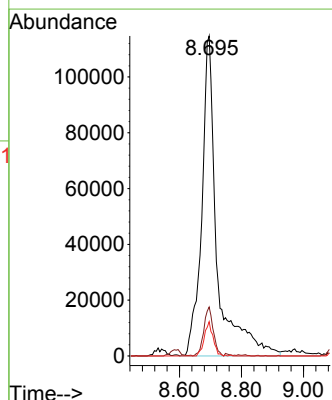
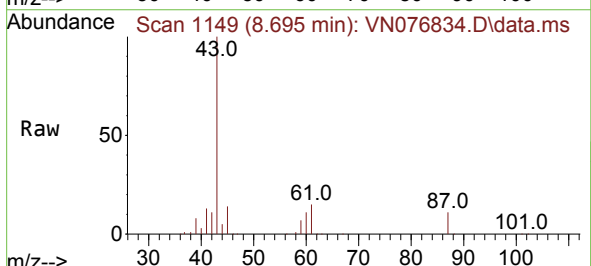
Tgt Ion: 43 Resp: 396236

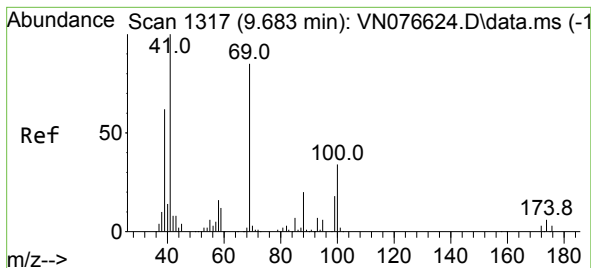
Ion Ratio Lower Upper

43 100

61 9.3 20.0 30.0#

87 6.0 9.9 14.9#





#48

Methyl methacrylate

Concen: 1.886 ug/l

RT: 9.666 min Scan# 1

Delta R.T. -0.017 min

Lab File: VN076834.D

Acq: 28 Feb 2023 17:45

Instrument :

MSVOA_N

ClientSampleId :

MW-1R

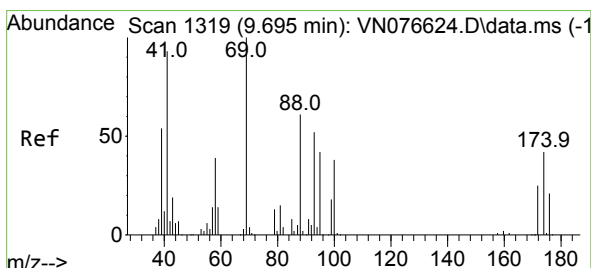
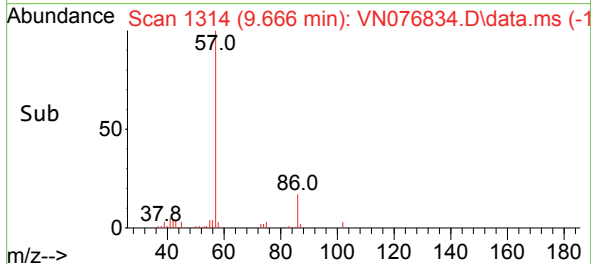
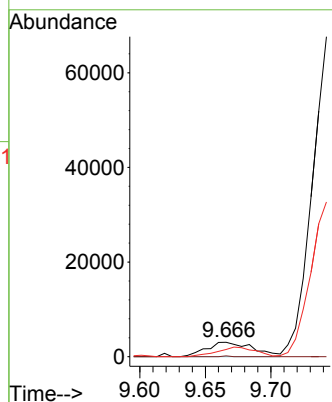
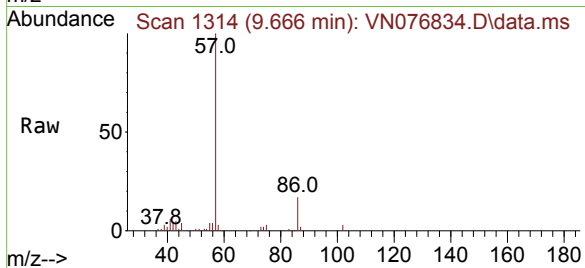
Tgt Ion: 41 Resp: 7629

Ion Ratio Lower Upper

41 100

69 0.8 65.4 98.0#

39 53.9 49.3 73.9



#49

1,4-Dioxane

Concen: 0.829 ug/l

RT: 9.701 min Scan# 1320

Delta R.T. 0.006 min

Lab File: VN076834.D

Acq: 28 Feb 2023 17:45

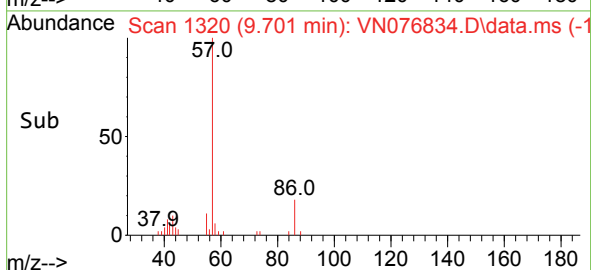
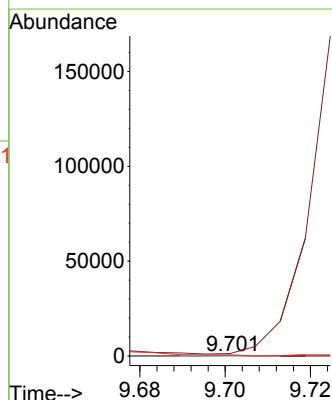
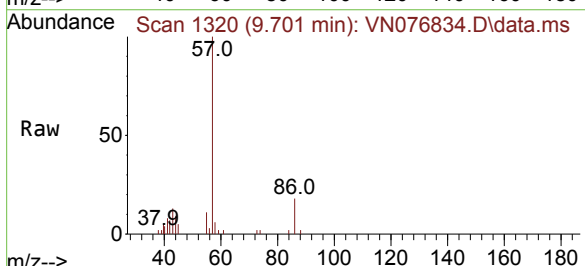
Tgt Ion: 88 Resp: 58

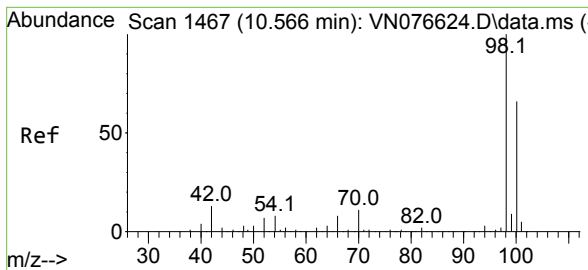
Ion Ratio Lower Upper

88 100

43 0.0 22.6 33.8#

58 0.0 57.6 86.4#

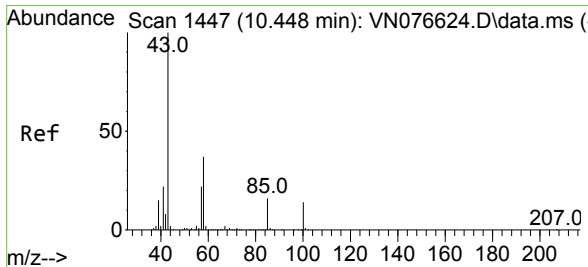
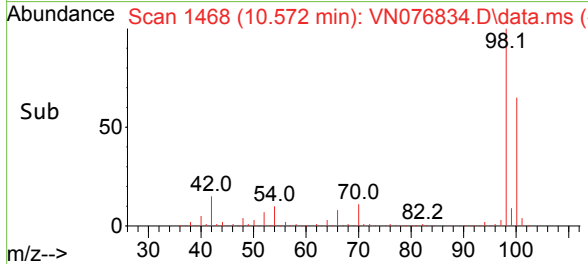
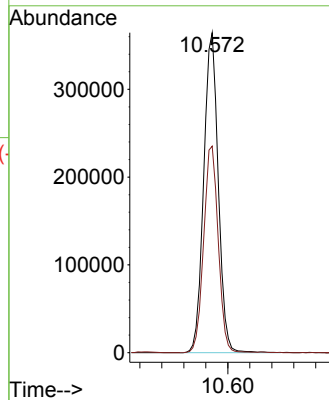
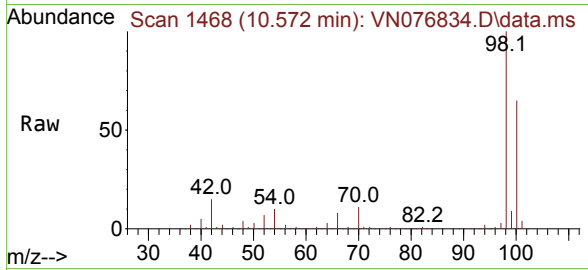




#50
Toluene-d8
Concen: 51.978 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.006 min
Lab File: VN076834.D
Acq: 28 Feb 2023 17:45

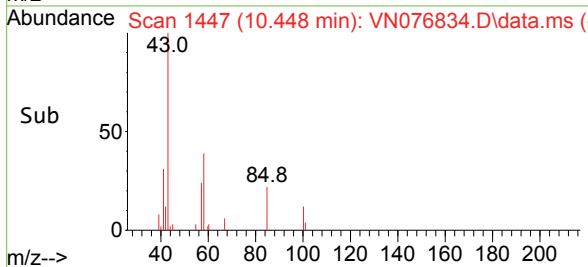
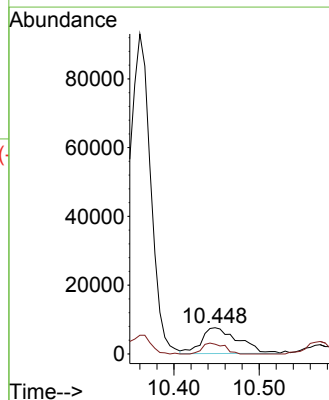
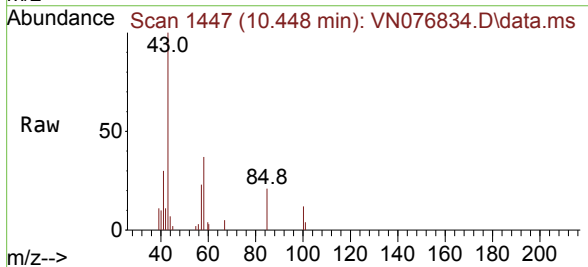
Instrument :
MSVOA_N
ClientSampleId :
MW-1R

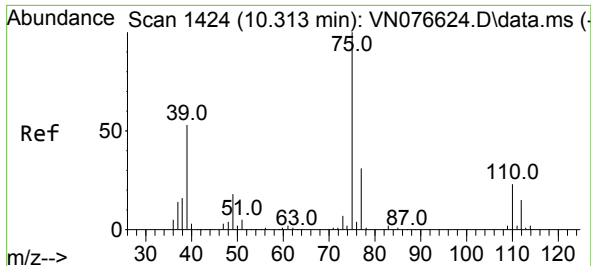
Tgt Ion: 98 Resp: 669028
Ion Ratio Lower Upper
98 100
100 64.6 52.9 79.3



#51
4-Methyl-2-Pentanone
Concen: 4.144 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VN076834.D
Acq: 28 Feb 2023 17:45

Tgt Ion: 43 Resp: 22481
Ion Ratio Lower Upper
43 100
58 25.3 29.5 44.3#

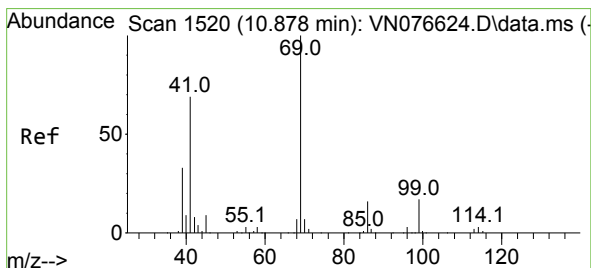
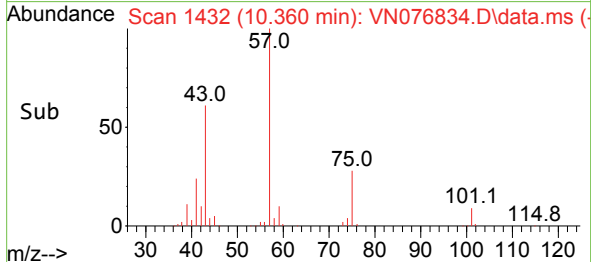
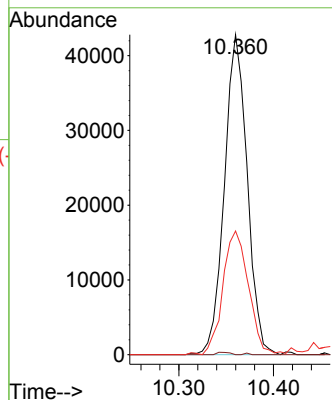
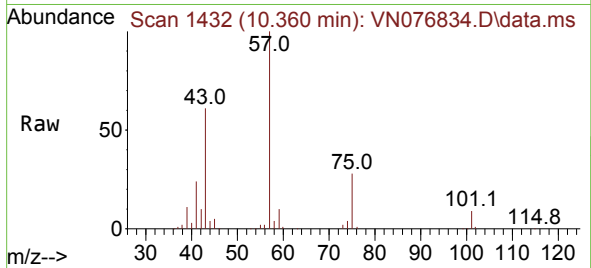




#54
 cis-1,3-Dichloropropene
 Concen: 12.385 ug/l
 RT: 10.360 min Scan# 14
 Delta R.T. 0.047 min
 Lab File: VN076834.D
 Acq: 28 Feb 2023 17:45

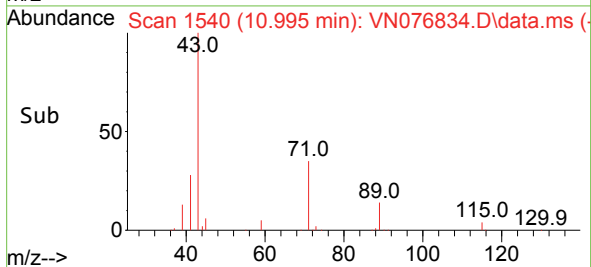
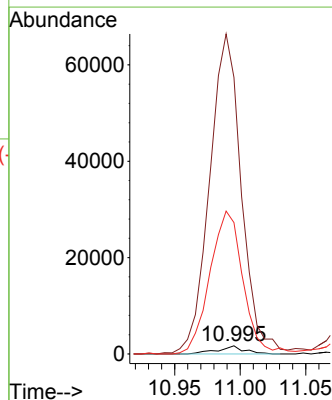
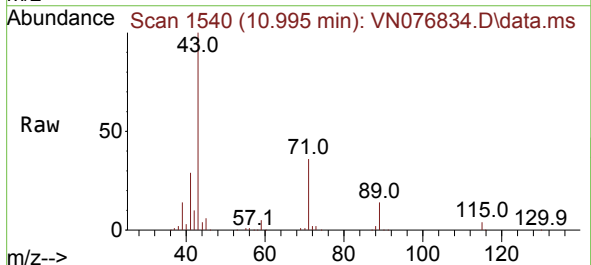
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1R

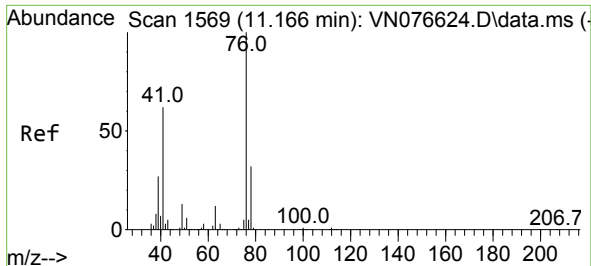
Tgt Ion: 75 Resp: 71547
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.1 37.7#
 39 38.6 42.3 63.5#



#56
 Ethyl methacrylate
 Concen: 0.450 ug/l
 RT: 10.995 min Scan# 1540
 Delta R.T. 0.117 min
 Lab File: VN076834.D
 Acq: 28 Feb 2023 17:45

Tgt Ion: 69 Resp: 2377
 Ion Ratio Lower Upper
 69 100
 41 4722.5 55.1 82.7#
 39 2195.4 30.7 46.1#





#57

1,3-Dichloropropane

Concen: 0.984 ug/l

RT: 11.207 min Scan# 1576

Delta R.T. 0.041 min

Lab File: VN076834.D

Acq: 28 Feb 2023 17:45

Instrument :

MSVOA_N

ClientSampleId :

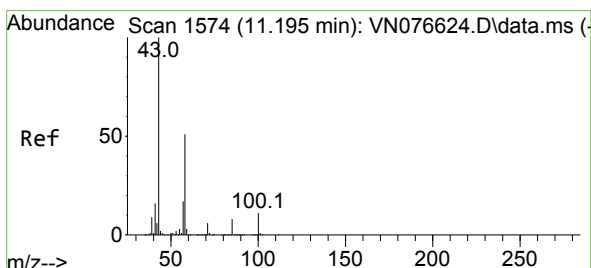
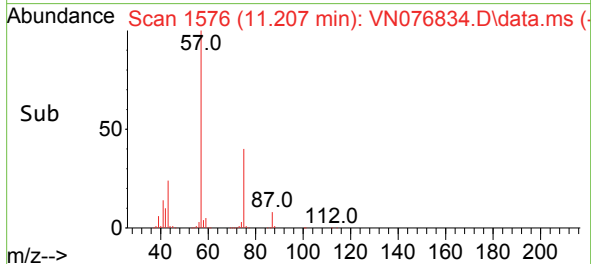
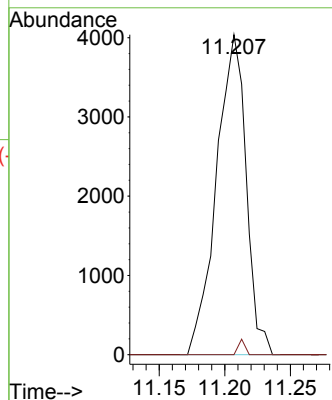
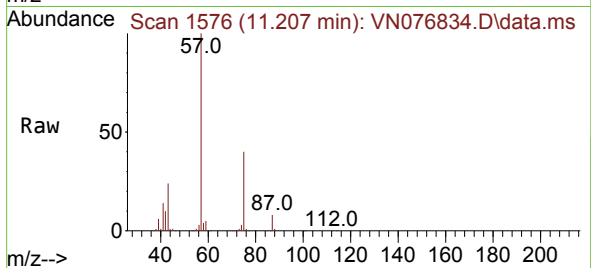
MW-1R

Tgt Ion: 76 Resp: 6349

Ion Ratio Lower Upper

76 100

78 1.1 26.1 39.1#



#59

2-Hexanone

Concen: 77.646 ug/l

RT: 11.172 min Scan# 1570

Delta R.T. -0.023 min

Lab File: VN076834.D

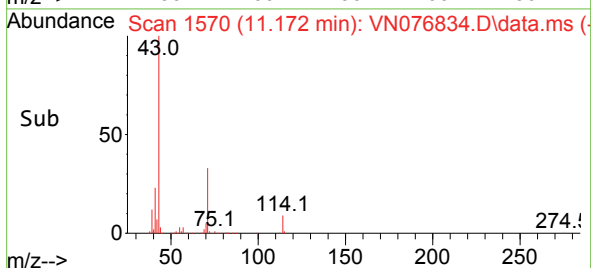
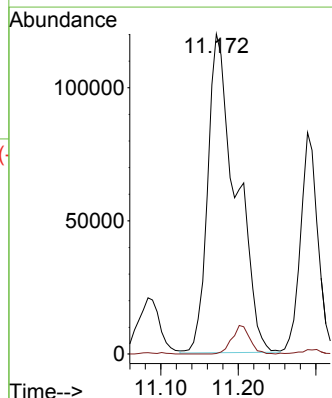
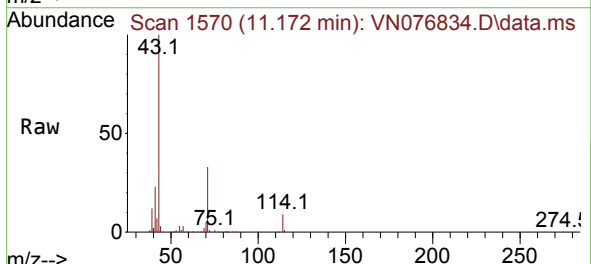
Acq: 28 Feb 2023 17:45

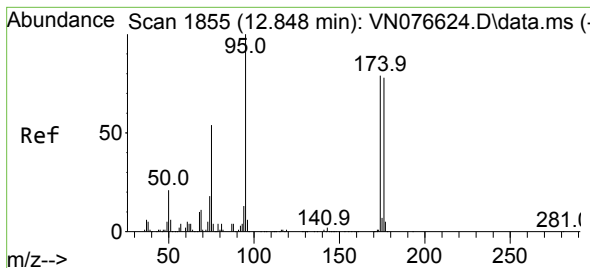
Tgt Ion: 43 Resp: 303688

Ion Ratio Lower Upper

43 100

58 0.0 25.4 76.0#

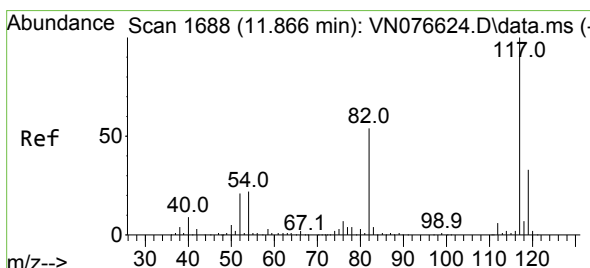
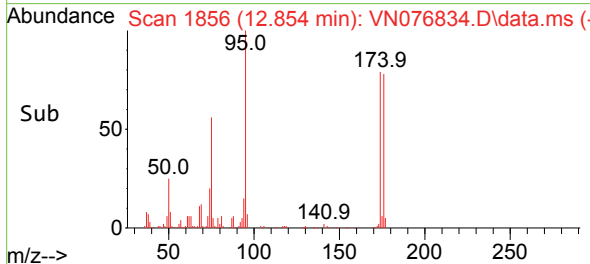
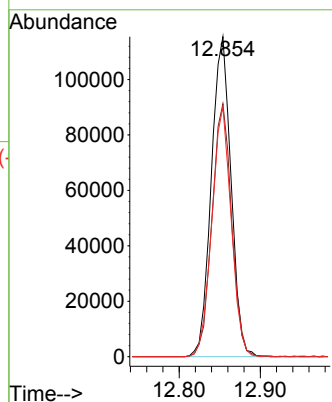
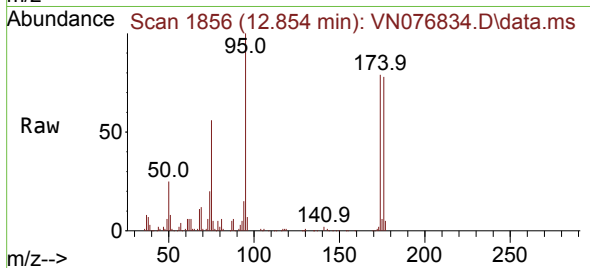




#62
4-Bromofluorobenzene
Concen: 45.517 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN076834.D
Acq: 28 Feb 2023 17:45

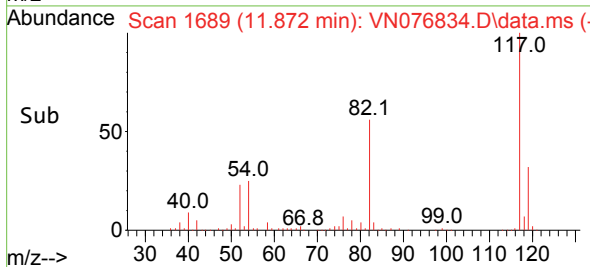
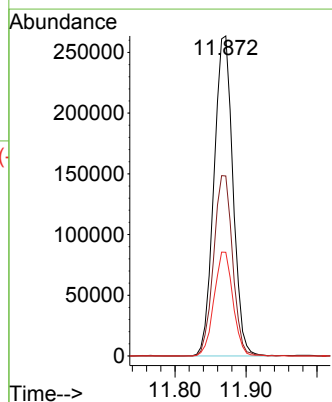
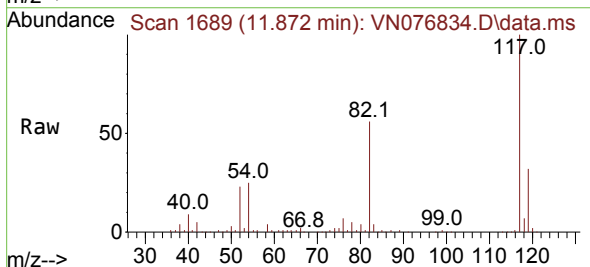
Instrument :
MSVOA_N
ClientSampleId :
MW-1R

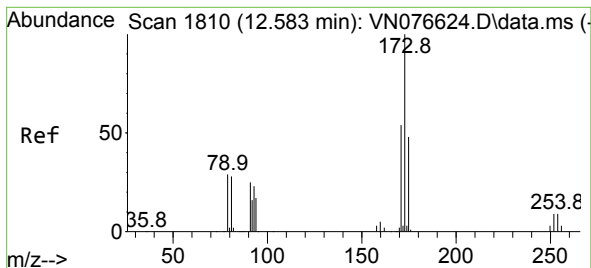
Tgt Ion: 95 Resp: 194043
Ion Ratio Lower Upper
95 100
174 79.2 0.0 169.2
176 76.6 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.872 min Scan# 1689
Delta R.T. 0.006 min
Lab File: VN076834.D
Acq: 28 Feb 2023 17:45

Tgt Ion: 117 Resp: 488104
Ion Ratio Lower Upper
117 100
82 56.3 43.4 65.2
119 32.4 26.1 39.1





#71

Bromoform

Concen: 0.862 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. 0.271 min

Lab File: VN076834.D

Acq: 28 Feb 2023 17:45

Instrument :

MSVOA_N

ClientSampleId :

MW-1R

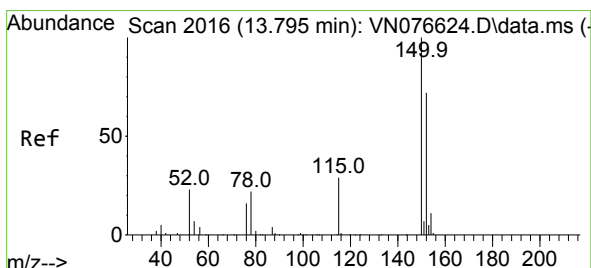
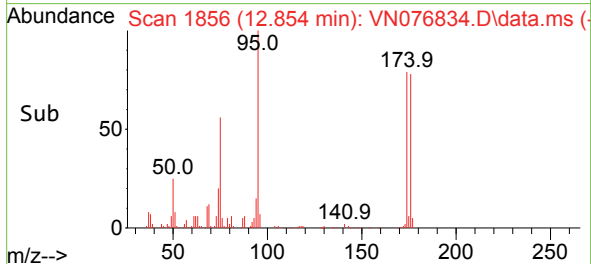
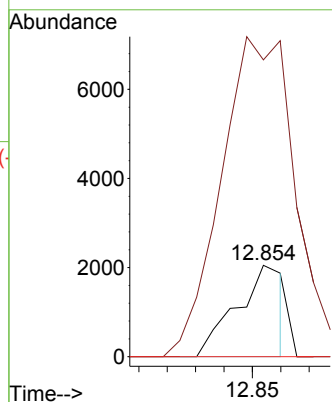
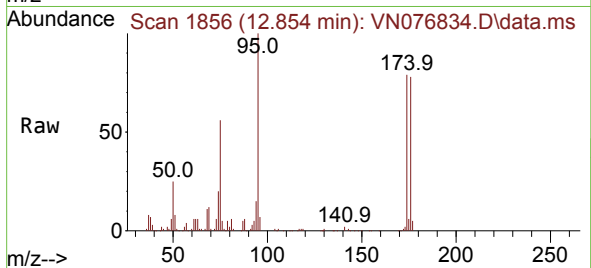
Tgt Ion:173 Resp: 2377

Ion Ratio Lower Upper

173 100

175 352.2 24.9 74.7#

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.795 min Scan# 2016

Delta R.T. 0.000 min

Lab File: VN076834.D

Acq: 28 Feb 2023 17:45

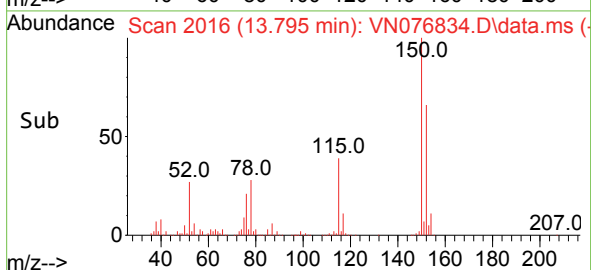
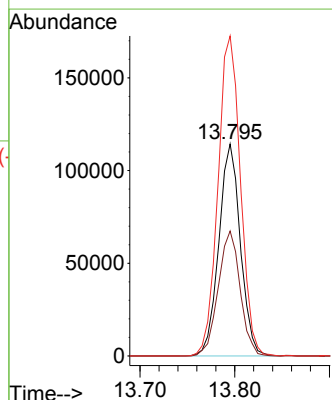
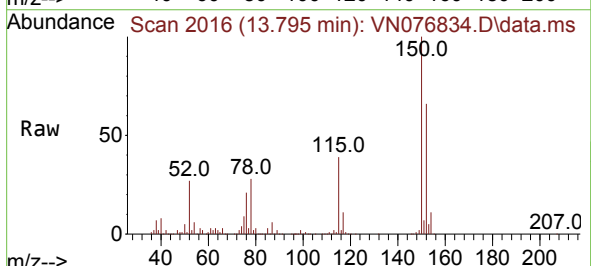
Tgt Ion:152 Resp: 181091

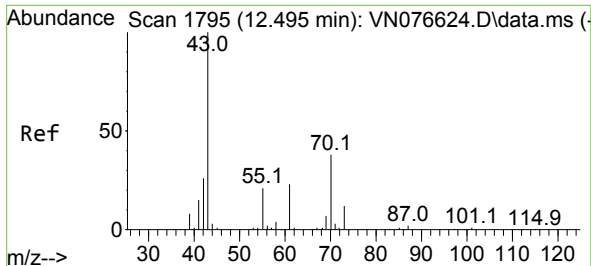
Ion Ratio Lower Upper

152 100

115 59.9 29.3 87.9

150 156.9 0.0 349.8

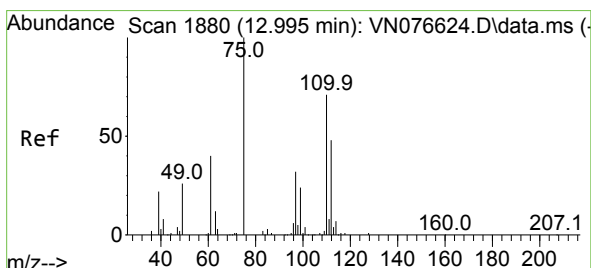
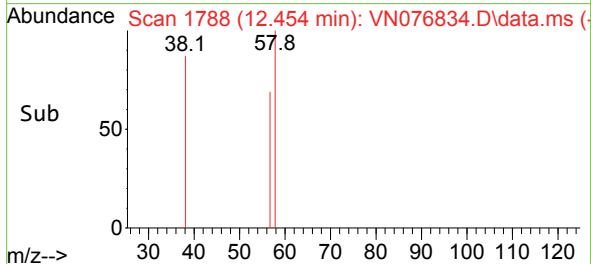
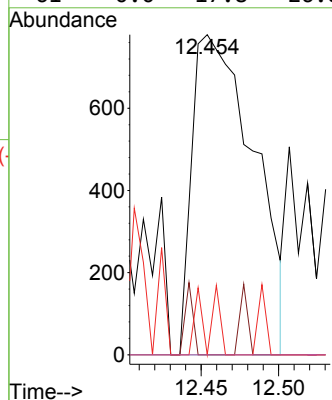
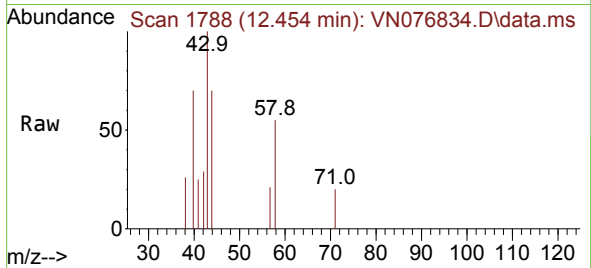




#74
N-amy1 acetate
Concen: 0.359 ug/l
RT: 12.454 min Scan# 11
Delta R.T. -0.041 min
Lab File: VN076834.D
Acq: 28 Feb 2023 17:45

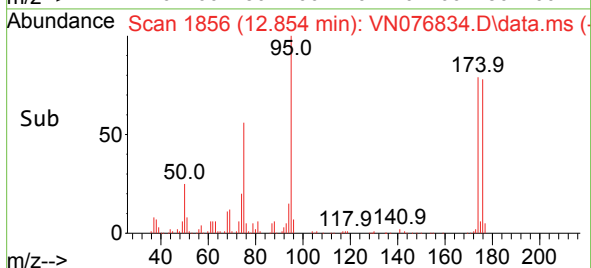
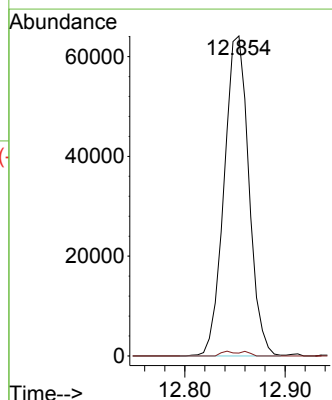
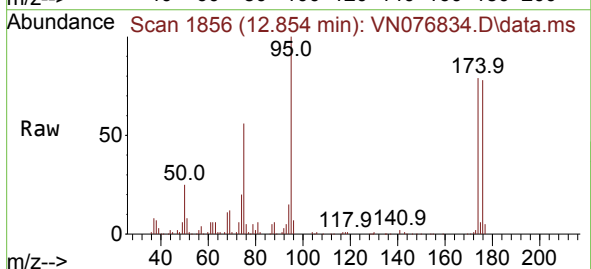
Instrument :
MSVOA_N
ClientSampleId :
MW-1R

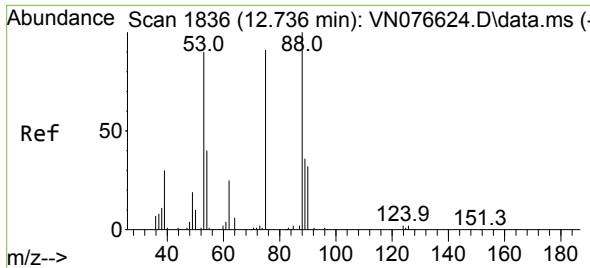
Tgt Ion: 43	Resp: 2150
Ion Ratio	Lower Upper
43	100
70	2.9 30.5 45.7#
55	5.4 17.8 26.8#
61	0.0 17.8 26.8#



#76
1,2,3-Trichloropropane
Concen: 29.952 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN076834.D
Acq: 28 Feb 2023 17:45

Tgt Ion: 75	Resp: 109658
Ion Ratio	Lower Upper
75	100
77	1.4 93.1 279.3#

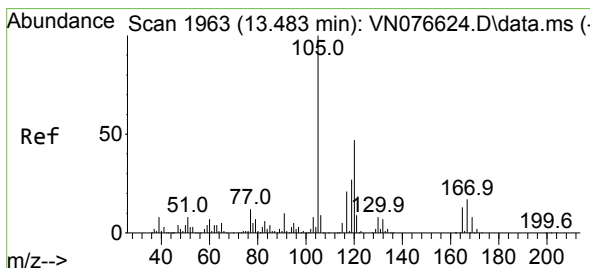
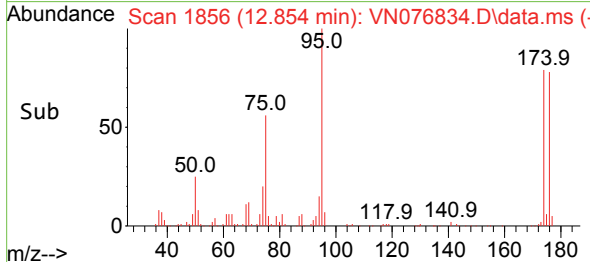
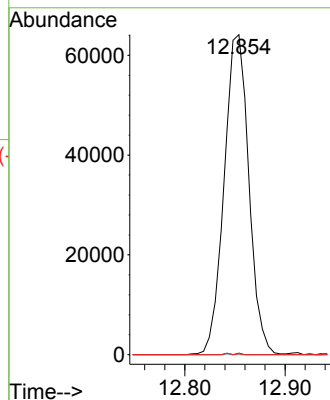
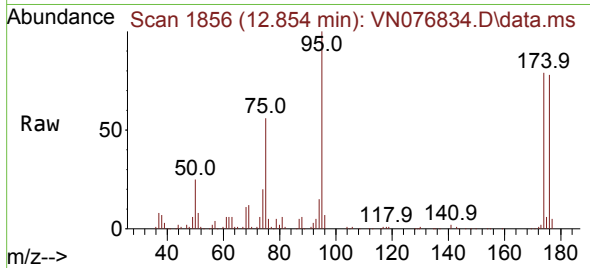




#81
 trans-1,4-Dichloro-2-butene
 Concen: 87.237 ug/l
 RT: 12.854 min Scan# 1856
 Delta R.T. 0.118 min
 Lab File: VN076834.D
 Acq: 28 Feb 2023 17:45

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1R

Tgt Ion: 75 Resp: 109658
 Ion Ratio Lower Upper
 75 100
 53 0.1 92.1 138.1#
 89 0.1 37.5 56.3#



#84
 1,2,4-Trimethylbenzene
 Concen: 0.254 ug/l
 RT: 13.507 min Scan# 1967
 Delta R.T. 0.024 min
 Lab File: VN076834.D
 Acq: 28 Feb 2023 17:45

Tgt Ion: 105 Resp: 2777
 Ion Ratio Lower Upper
 105 100
 120 0.0 23.0 69.0#

