

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
 Data File : VN084548.D
 Acq On : 28 Oct 2024 18:41
 Operator : JC\MD
 Sample : P4567-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-1

Quant Time: Oct 29 01:32:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 01 07:11:01 2024
 Response via : Initial Calibration

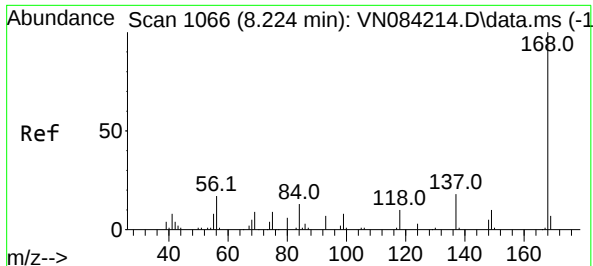
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	166485	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	302607	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	275908	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	110514	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	124189	50.311	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.620%	
35) Dibromofluoromethane	8.165	113	99359	49.805	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.600%	
50) Toluene-d8	10.565	98	374968	51.087	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.180%	
62) 4-Bromofluorobenzene	12.847	95	128892	48.203	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 96.400%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.530	59	173	0.425	ug/l #	73
16) Acetone	4.430	43	35623	33.594	ug/l	99
18) Methyl Acetate	5.024	43	1968	0.852	ug/l #	57
20) Methylene Chloride	5.289	84	3254	1.510	ug/l #	82
25) 2-Butanone	7.489	43	3374	2.336	ug/l #	83
31) Cyclohexane	8.224	56	3765	1.030	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	14169	4.890	ug/l #	50
37) Ethyl Acetate	7.565	43	2837	0.954	ug/l #	80
38) Carbon Tetrachloride	8.218	117	18837	5.926	ug/l #	15
42) 1,2-Dichloroethane	8.683	62	856	0.280	ug/l #	75
43) Isopropyl Acetate	8.688	43	178342	30.627	ug/l #	80
45) 1,2-Dichloropropane	9.735	63	1514	0.709	ug/l #	44
48) Methyl methacrylate	9.659	41	3019	1.302	ug/l #	13
51) 4-Methyl-2-Pentanone	10.447	43	5094	1.800	ug/l	92
53) t-1,3-Dichloropropene	10.724	75	691	0.212	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	39510	11.253	ug/l #	62
56) Ethyl methacrylate	10.982	69	1867	0.575	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5277	1.496	ug/l #	42
59) 2-Hexanone	11.200	43	62091	29.355	ug/l #	57
71) Bromoform	12.847	173	811	0.523	ug/l #	1
74) N-amyl acetate	12.300	43	19158	5.017	ug/l #	53
76) 1,2,3-Trichloropropane	12.847	75	68387	30.311	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	68387	72.669	ug/l #	11

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

Quant Time: Oct 29 01:32:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

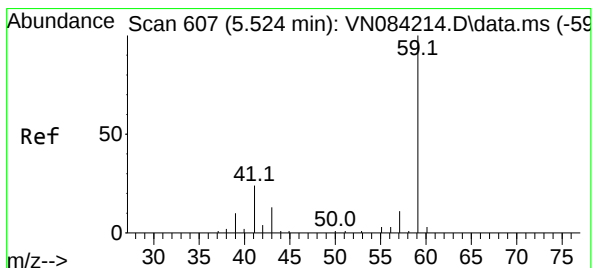
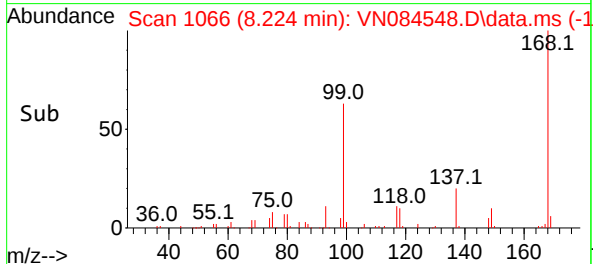
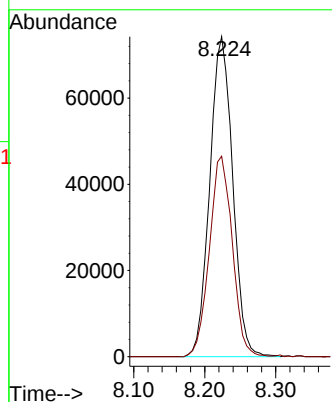
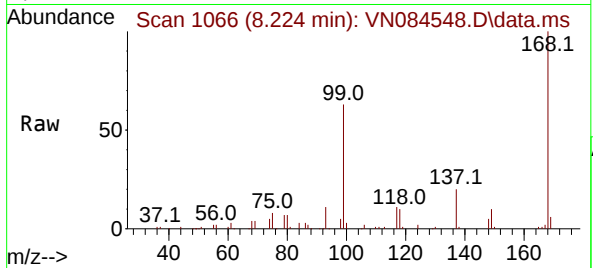




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084548.D
Acq: 28 Oct 2024 18:41

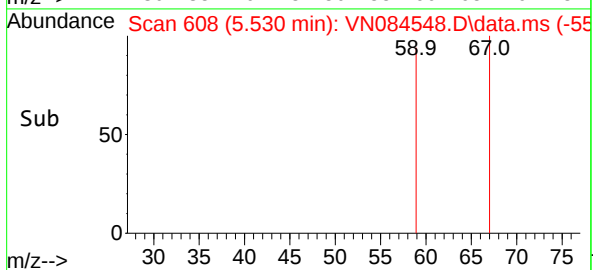
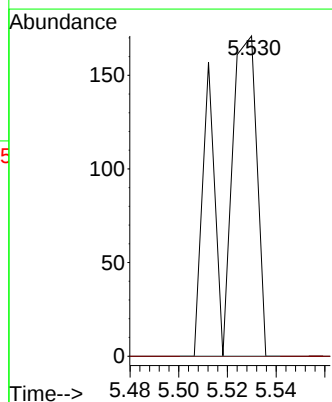
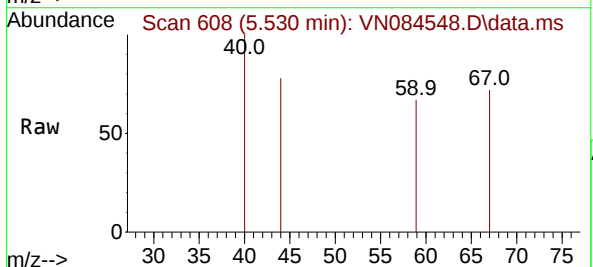
Instrument :
MSVOA_N
ClientSampleId :
WC-1

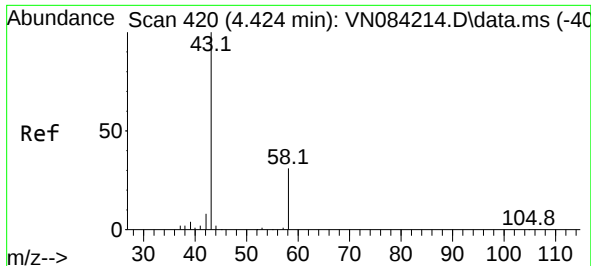
Tgt Ion:168 Resp: 166485
Ion Ratio Lower Upper
168 100
99 62.6 54.2 81.2



#11
Tert butyl alcohol
Concen: 0.425 ug/l
RT: 5.530 min Scan# 608
Delta R.T. 0.006 min
Lab File: VN084548.D
Acq: 28 Oct 2024 18:41

Tgt Ion: 59 Resp: 173
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

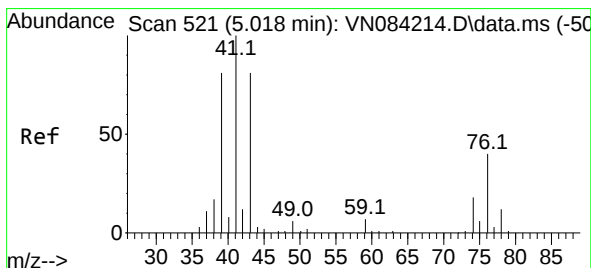
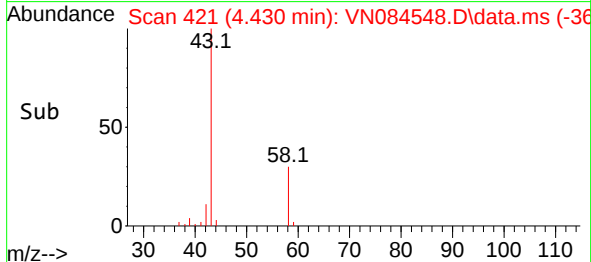
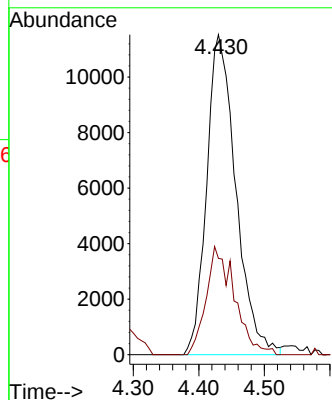
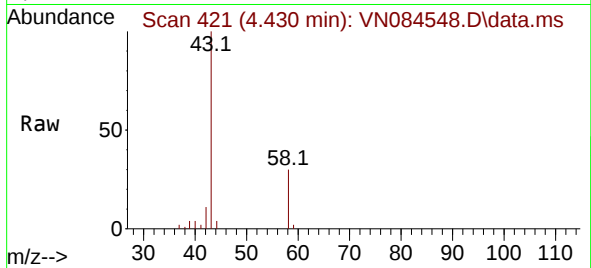




#16
Acetone
Concen: 33.594 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN084548.D
Acq: 28 Oct 2024 18:41

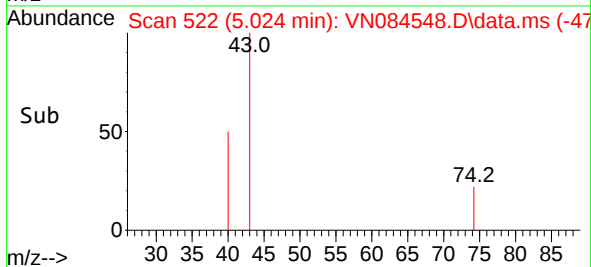
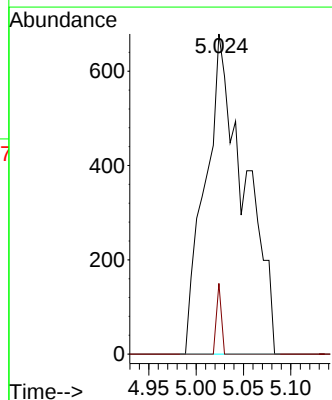
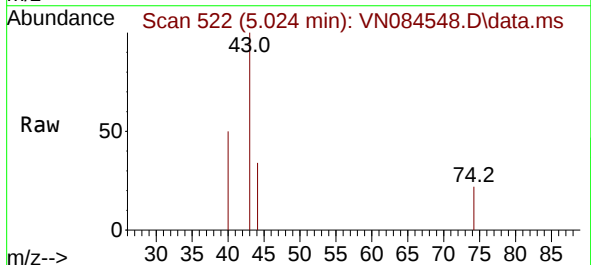
Instrument :
MSVOA_N
ClientSampleId :
WC-1

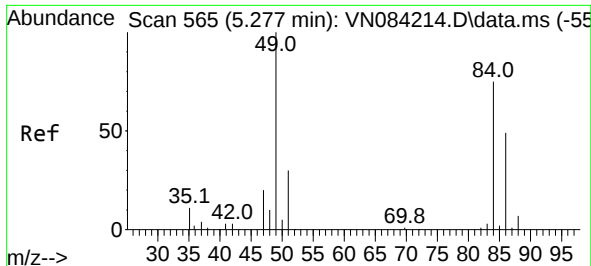
Tgt Ion: 43 Resp: 35623
Ion Ratio Lower Upper
43 100
58 30.1 24.4 36.6



#18
Methyl Acetate
Concen: 0.852 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084548.D
Acq: 28 Oct 2024 18:41

Tgt Ion: 43 Resp: 1968
Ion Ratio Lower Upper
43 100
74 2.7 19.2 28.8#

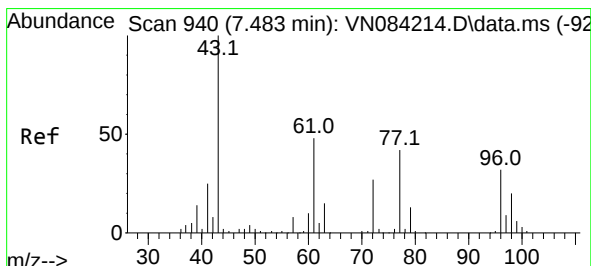
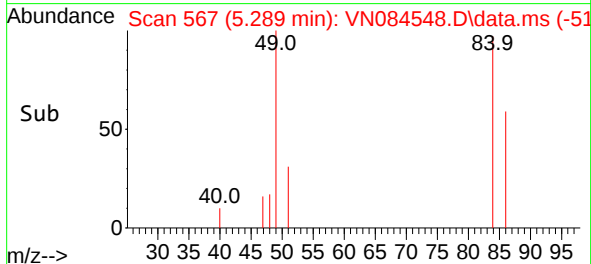
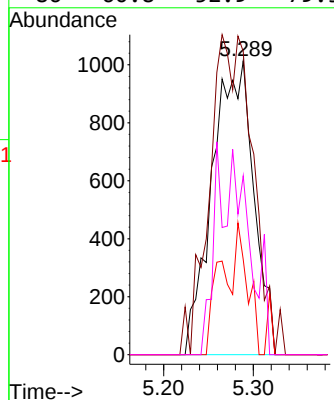
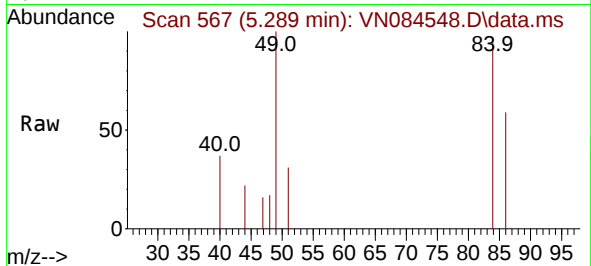




#20
Methylene Chloride
Concen: 1.510 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN084548.D
Acq: 28 Oct 2024 18:41

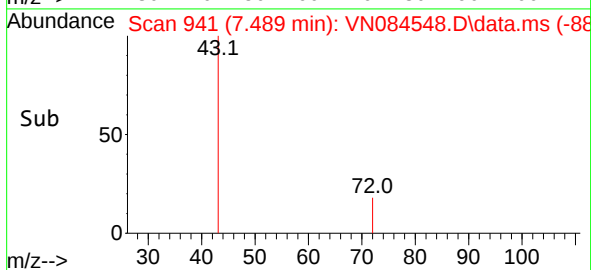
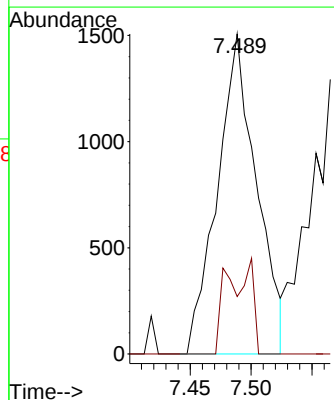
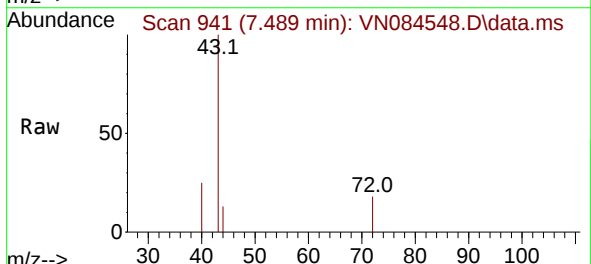
Instrument :
MSVOA_N
ClientSampleId :
WC-1

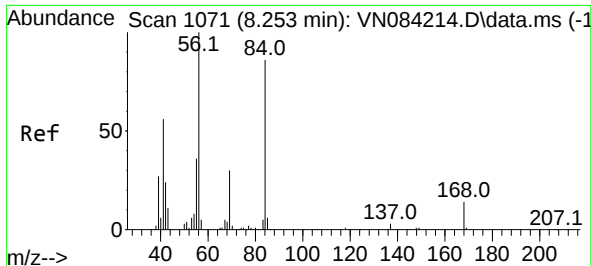
Tgt Ion: 84	Resp: 3254
Ion Ratio	Lower Upper
84 100	
49 103.2	107.2 160.8#
51 32.3	31.8 47.8
86 60.8	52.9 79.3



#25
2-Butanone
Concen: 2.336 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN084548.D
Acq: 28 Oct 2024 18:41

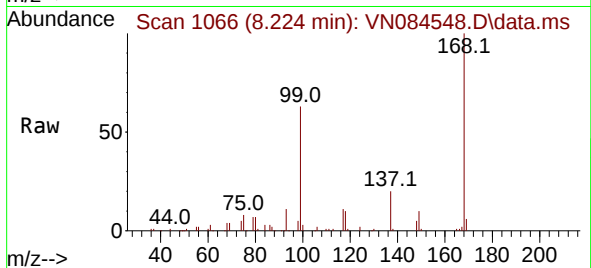
Tgt Ion: 43	Resp: 3374		
Ion Ratio	Lower	Upper	
43 100			
72 18.0	21.4	32.2#	





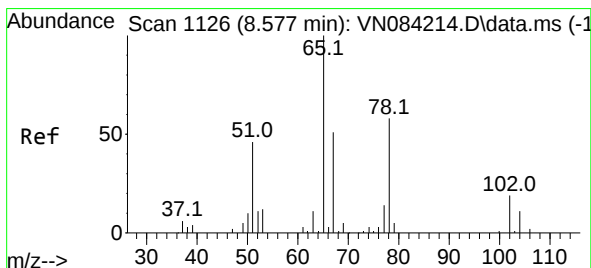
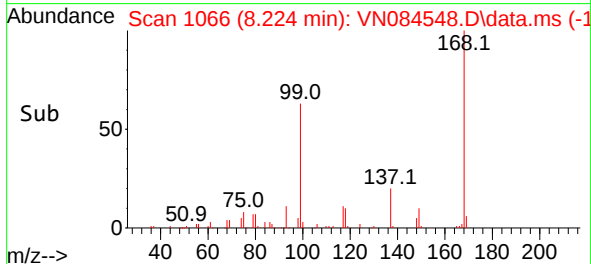
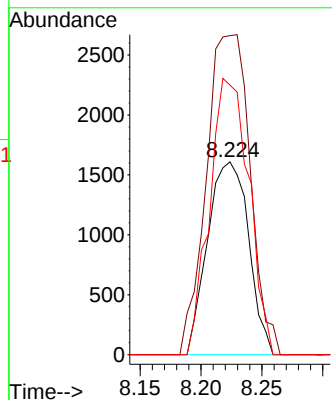
#31
Cyclohexane
Concen: 1.030 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN084548.D
Acq: 28 Oct 2024 18:41

Instrument :
MSVOA_N
ClientSampleId :
WC-1



Tgt Ion: 56 Resp: 3765

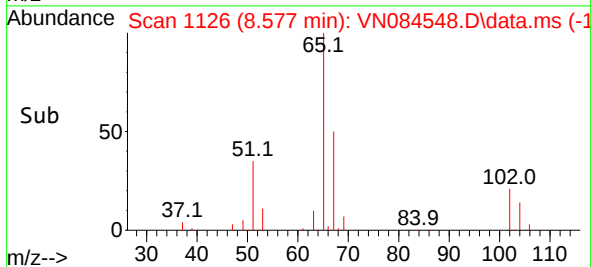
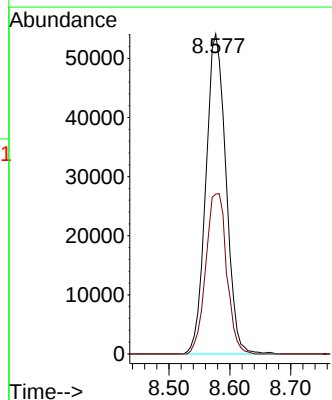
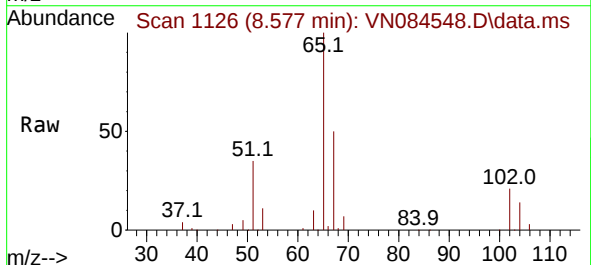
Ion	Ratio	Lower	Upper
56	100		
69	165.4	23.8	35.6#
84	139.8	68.8	103.2#

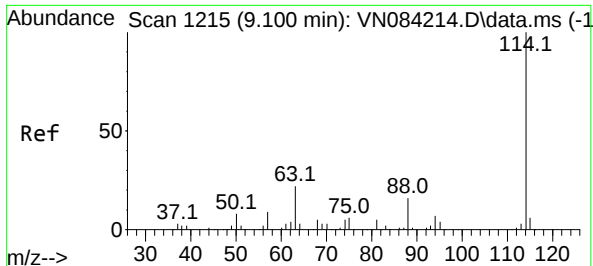


#33
1,2-Dichloroethane-d4
Concen: 50.311 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN084548.D
Acq: 28 Oct 2024 18:41

Tgt Ion: 65 Resp: 124189

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN084548.D

Acq: 28 Oct 2024 18:41

Instrument :

MSVOA_N

ClientSampleId :

WC-1

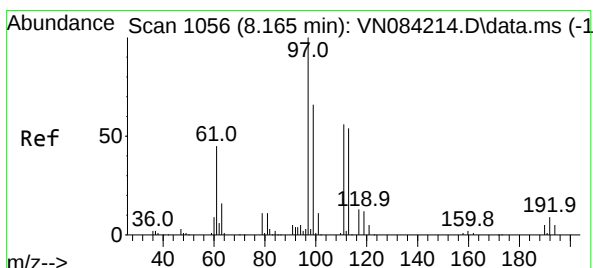
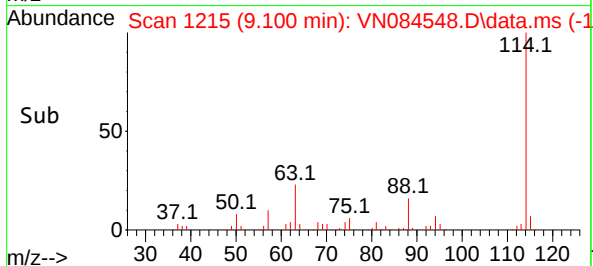
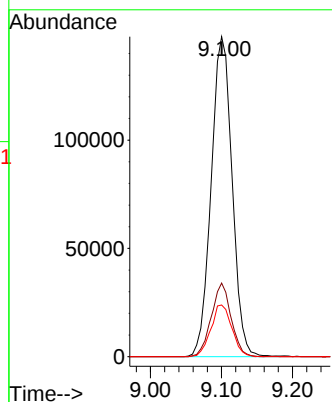
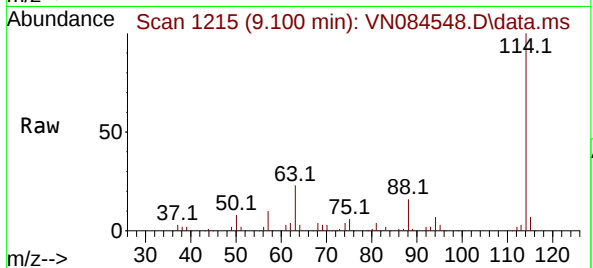
Tgt Ion:114 Resp: 302607

Ion Ratio Lower Upper

114 100

63 23.0 0.0 43.8

88 16.2 0.0 31.6



#35

Dibromofluoromethane

Concen: 49.805 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN084548.D

Acq: 28 Oct 2024 18:41

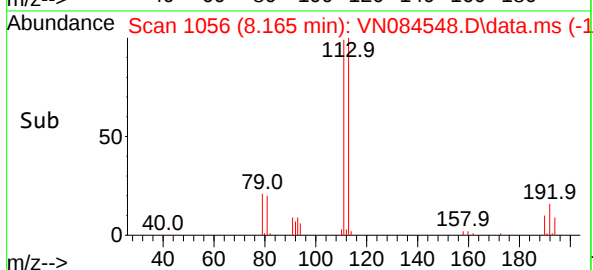
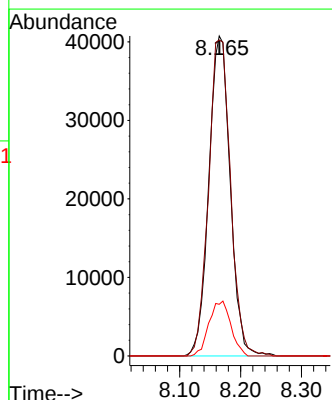
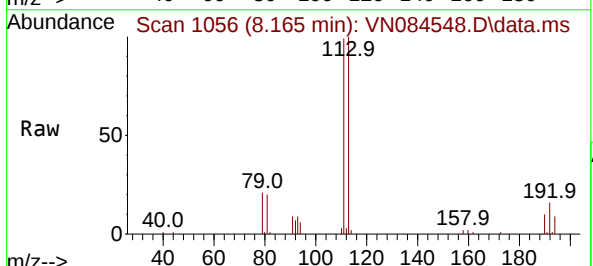
Tgt Ion:113 Resp: 99359

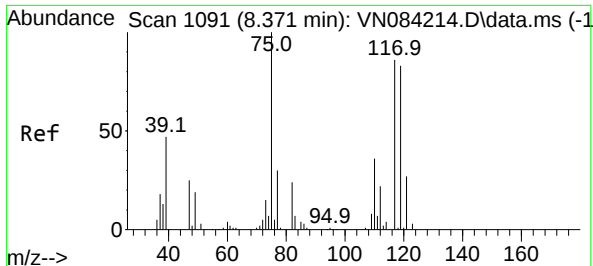
Ion Ratio Lower Upper

113 100

111 101.7 83.3 124.9

192 17.5 13.5 20.3





#36

1,1-Dichloropropene

Concen: 4.890 ug/l

RT: 8.218 min Scan# 1

Delta R.T. -0.153 min

Lab File: VN084548.D

Acq: 28 Oct 2024 18:41

Instrument :

MSVOA_N

ClientSampleId :

WC-1

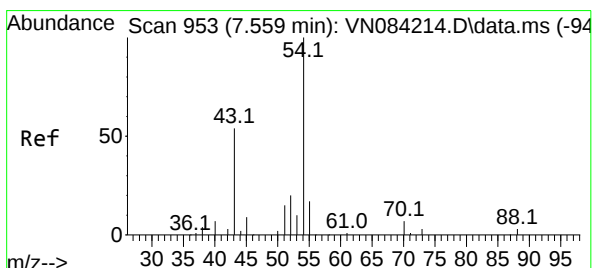
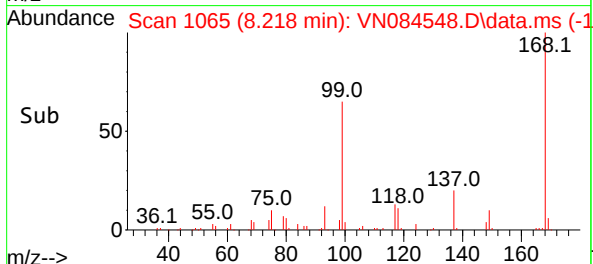
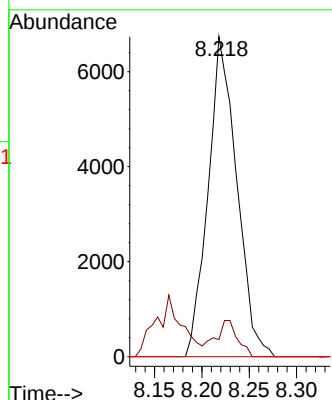
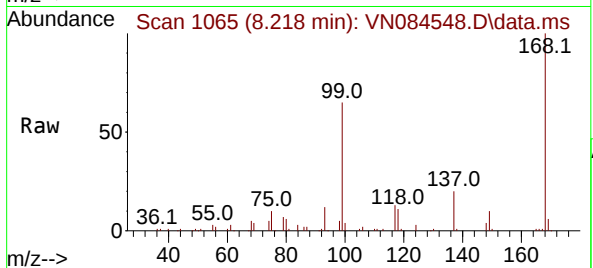
Tgt Ion: 75 Resp: 14169

Ion Ratio Lower Upper

75 100

110 8.7 16.9 50.7#

77 0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 0.954 ug/l

RT: 7.565 min Scan# 954

Delta R.T. 0.006 min

Lab File: VN084548.D

Acq: 28 Oct 2024 18:41

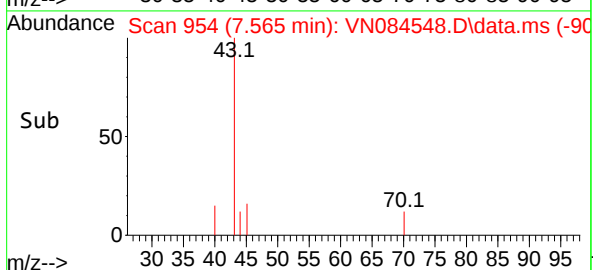
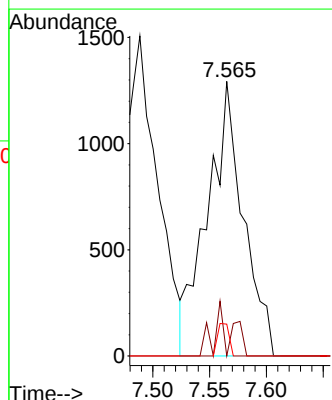
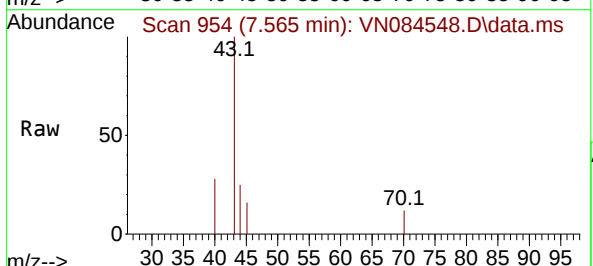
Tgt Ion: 43 Resp: 2837

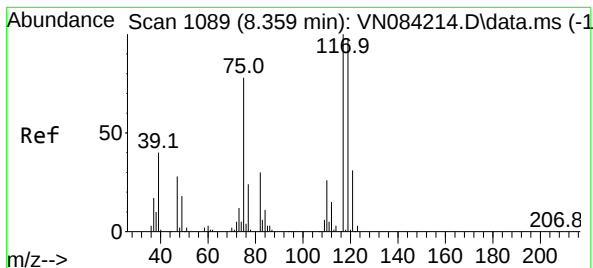
Ion Ratio Lower Upper

43 100

61 5.1 10.7 16.1#

70 3.8 8.8 13.2#





#38

Carbon Tetrachloride

Concen: 5.926 ug/l

RT: 8.218 min Scan# 1105

Delta R.T. -0.141 min

Lab File: VN084548.D

Acq: 28 Oct 2024 18:41

Instrument :

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WC-1

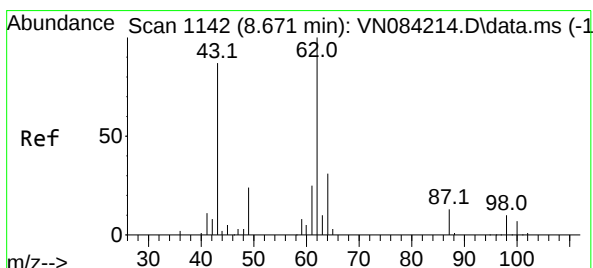
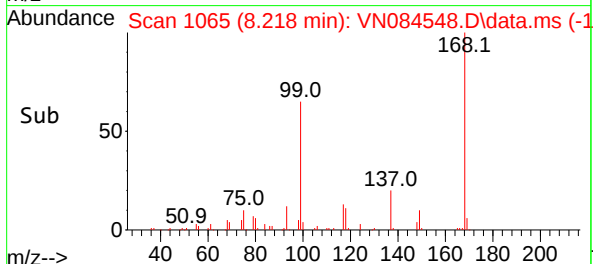
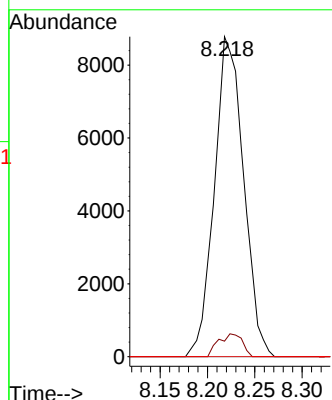
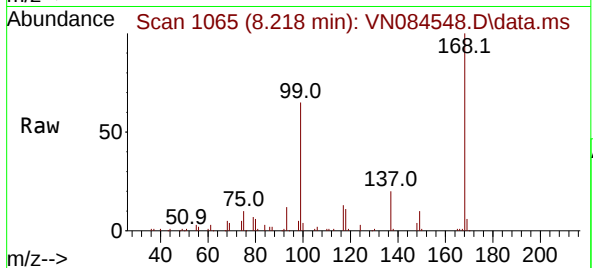
Tgt Ion:117 Resp: 18837

Ion Ratio Lower Upper

117 100

119 4.9 78.7 118.1#

121 0.0 24.4 36.6#



#42

1,2-Dichloroethane

Concen: 0.280 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. 0.012 min

Lab File: VN084548.D

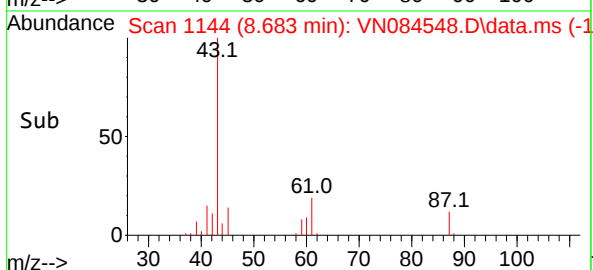
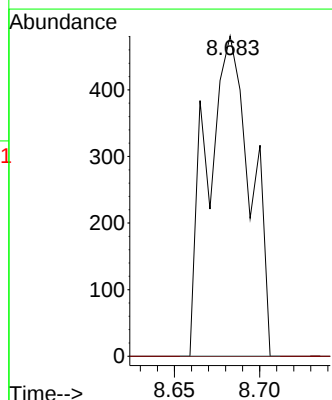
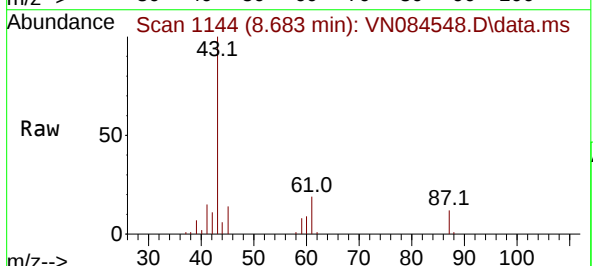
Acq: 28 Oct 2024 18:41

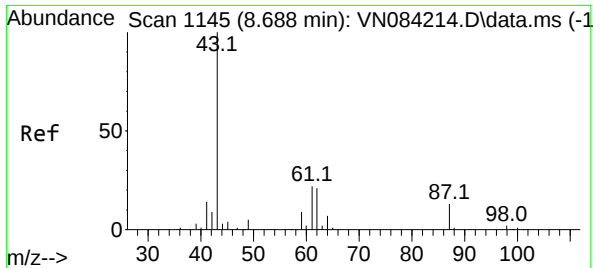
Tgt Ion: 62 Resp: 856

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2

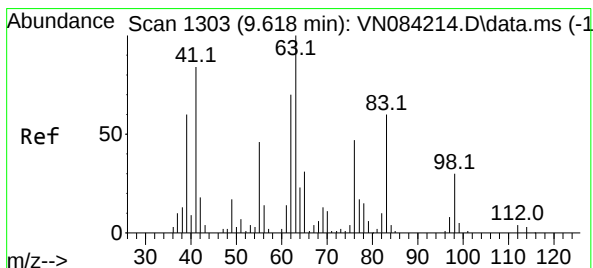
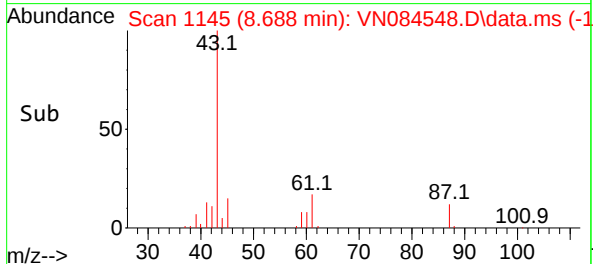
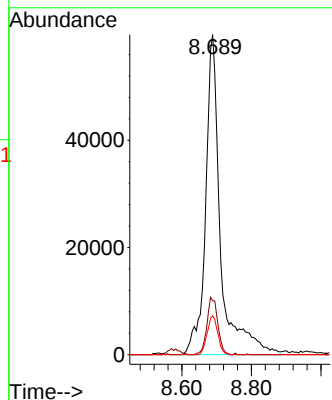
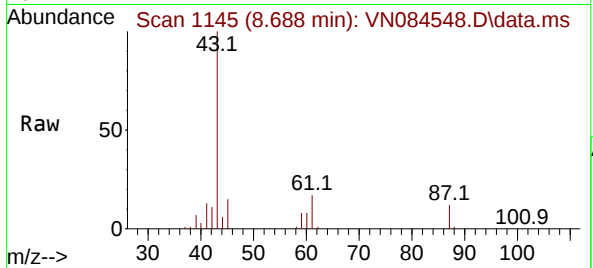




#43
Isopropyl Acetate
Concen: 30.627 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084548.D
Acq: 28 Oct 2024 18:41

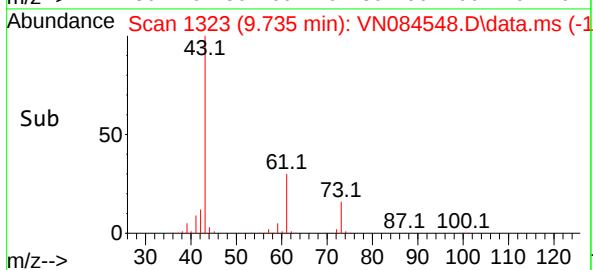
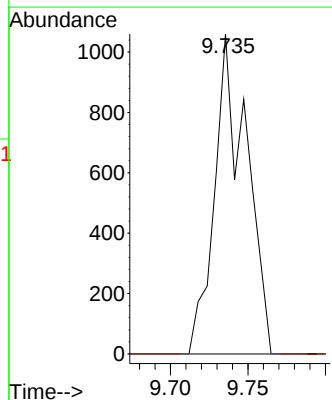
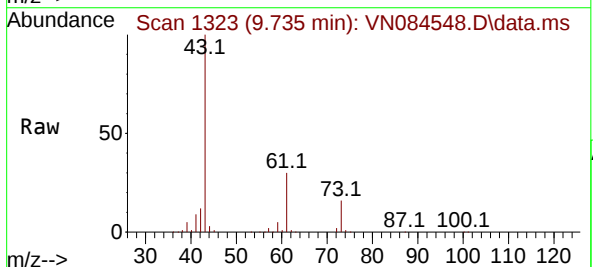
Instrument :
MSVOA_N
ClientSampleId :
WC-1

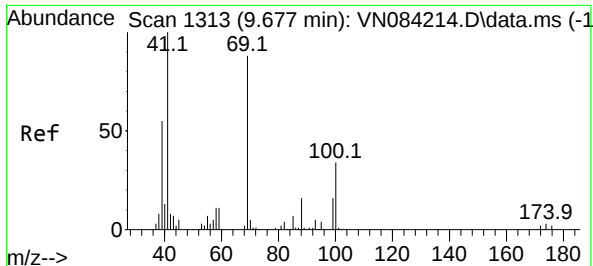
Tgt Ion: 43 Resp: 178342
Ion Ratio Lower Upper
43 100
61 13.0 20.4 30.6#
87 8.5 10.3 15.5#



#45
1,2-Dichloropropane
Concen: 0.709 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.118 min
Lab File: VN084548.D
Acq: 28 Oct 2024 18:41

Tgt Ion: 63 Resp: 1514
Ion Ratio Lower Upper
63 100
65 0.0 24.6 37.0#





#48

Methyl methacrylate

Concen: 1.302 ug/l

RT: 9.659 min Scan# 11

Delta R.T. -0.018 min

Lab File: VN084548.D

Acq: 28 Oct 2024 18:41

Instrument :

MSVOA_N

ClientSampleId :

WC-1

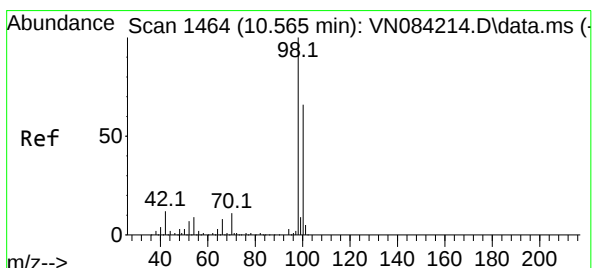
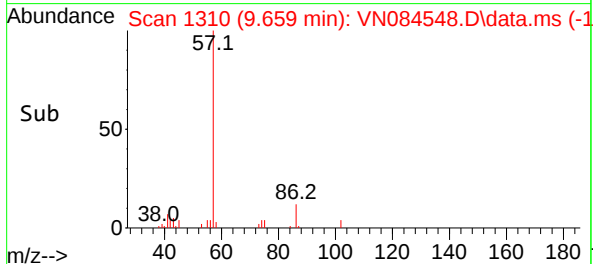
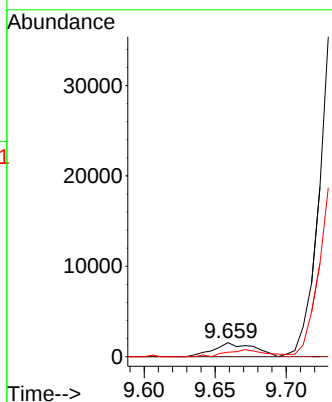
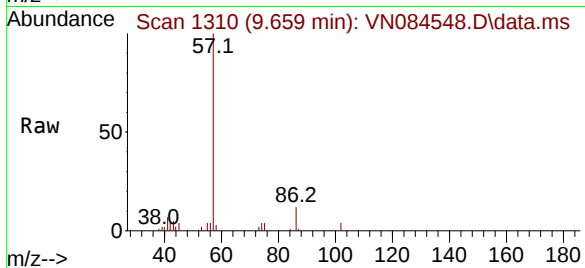
Tgt Ion: 41 Resp: 3019

Ion Ratio Lower Upper

41 100

69 0.0 67.1 100.7#

39 0.0 45.8 68.6#



#50

Toluene-d8

Concen: 51.087 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN084548.D

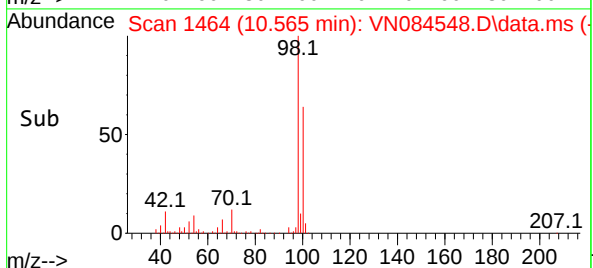
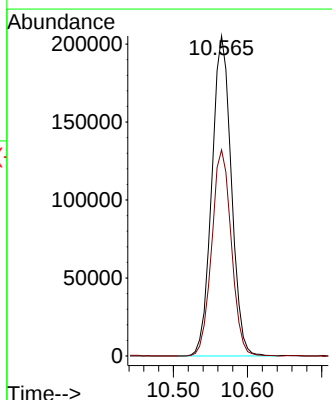
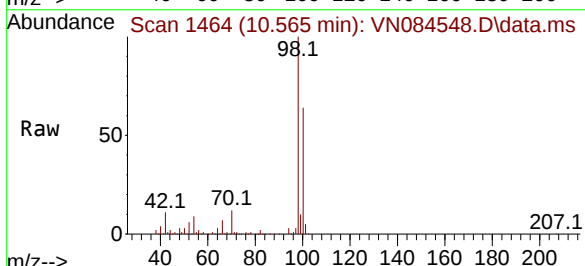
Acq: 28 Oct 2024 18:41

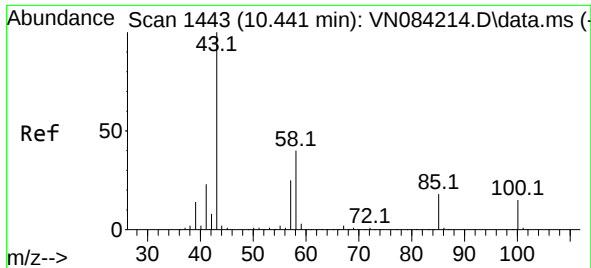
Tgt Ion: 98 Resp: 374968

Ion Ratio Lower Upper

98 100

100 64.7 52.7 79.1

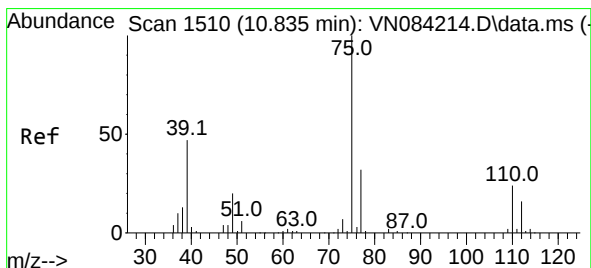
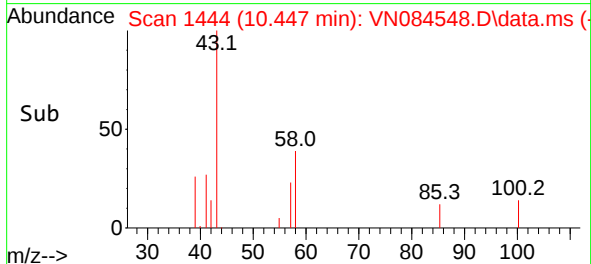
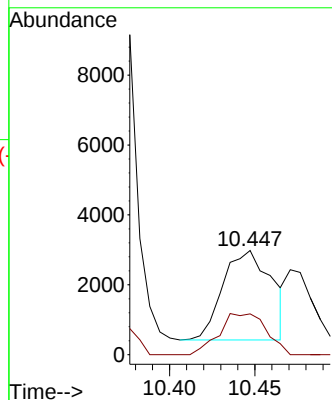
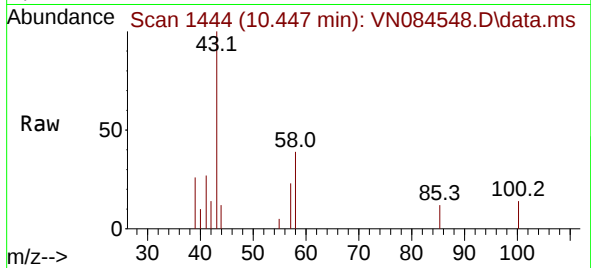




#51
4-Methyl-2-Pentanone
Concen: 1.800 ug/l
RT: 10.447 min Scan# 1443
Delta R.T. 0.006 min
Lab File: VN084548.D
Acq: 28 Oct 2024 18:41

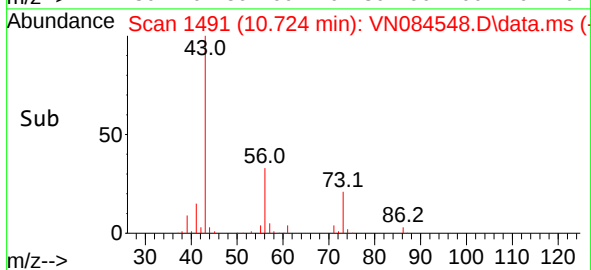
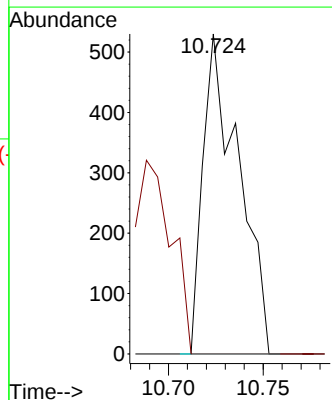
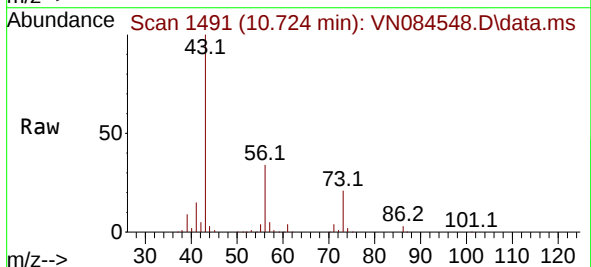
Instrument :
MSVOA_N
ClientSampleId :
WC-1

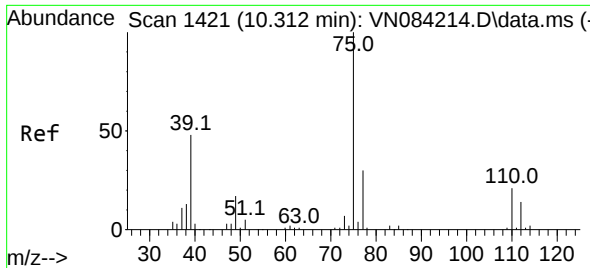
Tgt Ion: 43 Resp: 5094
Ion Ratio Lower Upper
43 100
58 44.6 31.6 47.4



#53
t-1,3-Dichloropropene
Concen: 0.212 ug/l
RT: 10.724 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN084548.D
Acq: 28 Oct 2024 18:41

Tgt Ion: 75 Resp: 691
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

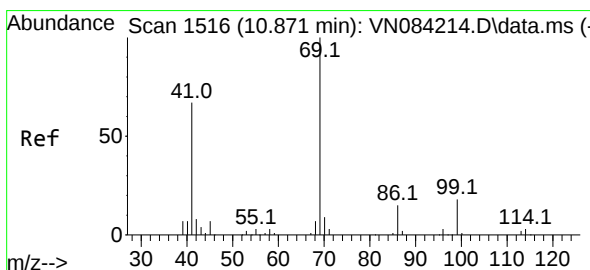
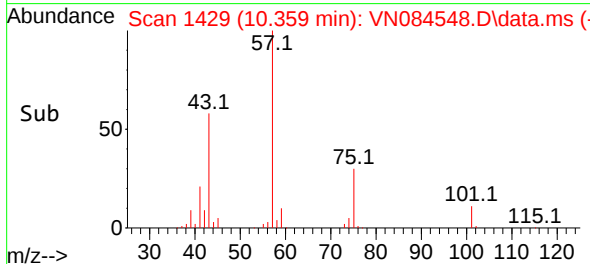
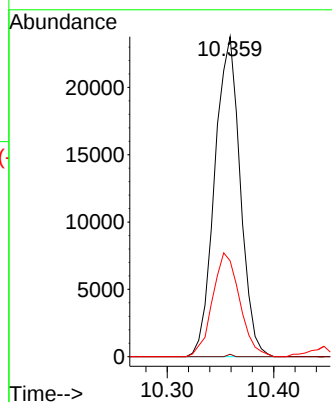
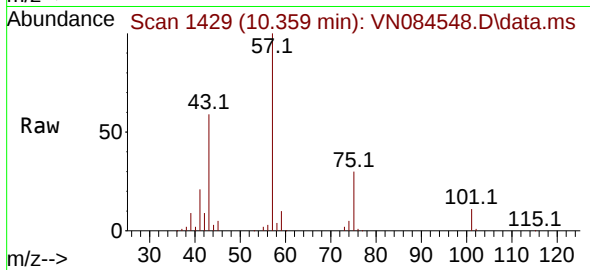




#54
 cis-1,3-Dichloropropene
 Concen: 11.253 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN084548.D
 Acq: 28 Oct 2024 18:41

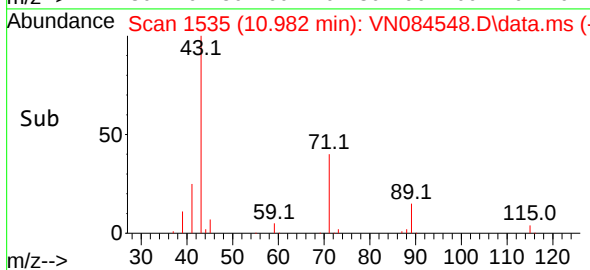
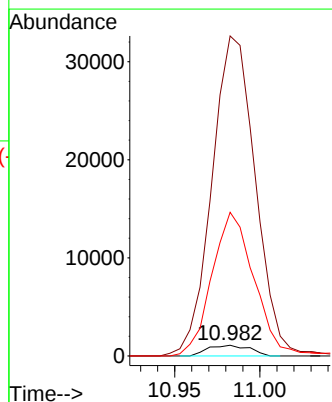
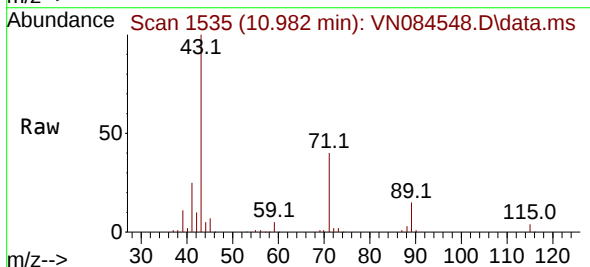
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-1

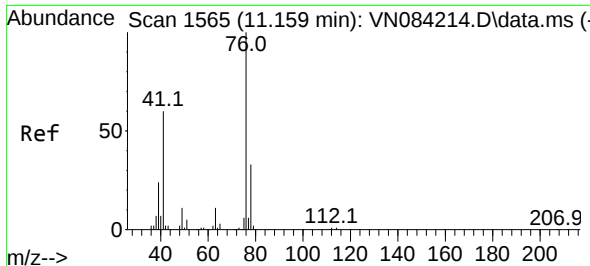
Tgt Ion: 75 Resp: 39510
 Ion Ratio Lower Upper
 75 100
 77 0.8 24.2 36.2#
 39 30.0 38.7 58.1#



#56
 Ethyl methacrylate
 Concen: 0.575 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.112 min
 Lab File: VN084548.D
 Acq: 28 Oct 2024 18:41

Tgt Ion: 69 Resp: 1867
 Ion Ratio Lower Upper
 69 100
 41 3114.8 53.3 79.9#
 39 1363.6 28.8 43.2#





#57

1,3-Dichloropropane

Concen: 1.496 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN084548.D

Acq: 28 Oct 2024 18:41

Instrument :

MSVOA_N

ClientSampleId :

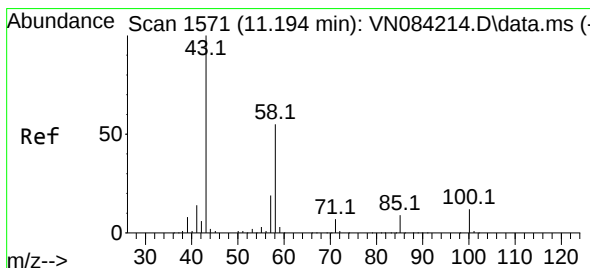
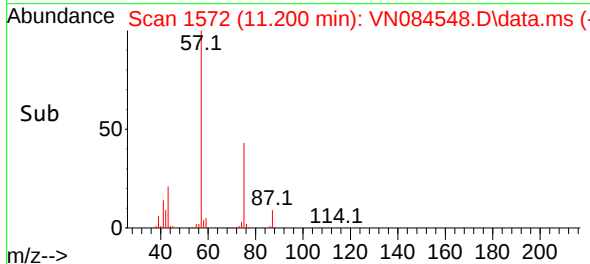
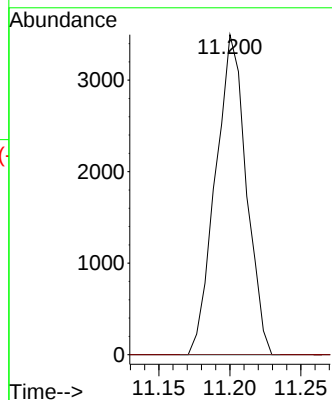
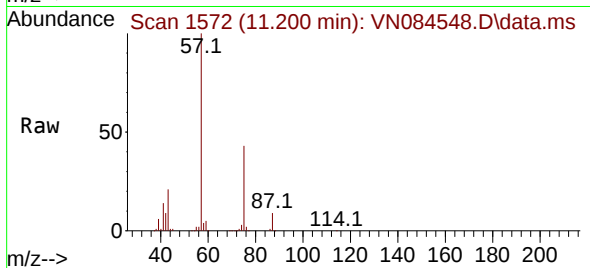
WC-1

Tgt Ion: 76 Resp: 5277

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 29.355 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN084548.D

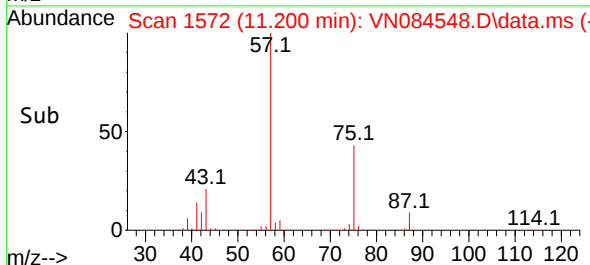
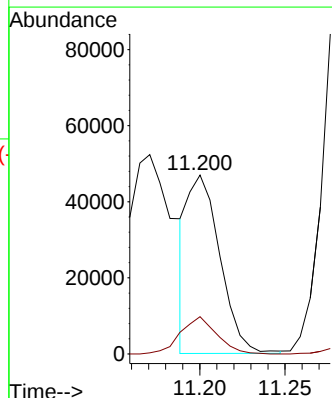
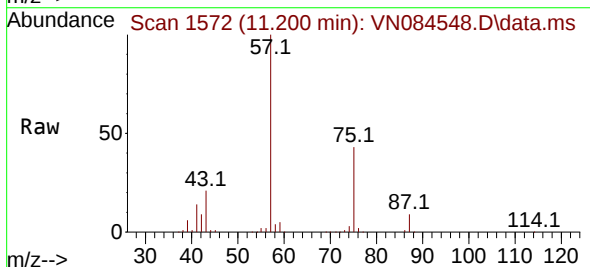
Acq: 28 Oct 2024 18:41

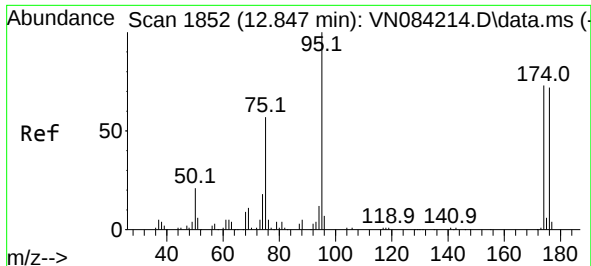
Tgt Ion: 43 Resp: 62091

Ion Ratio Lower Upper

43 100

58 23.4 27.3 81.8#

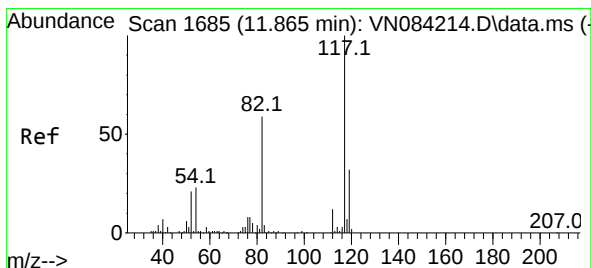
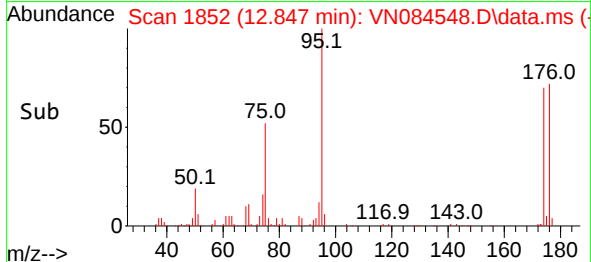
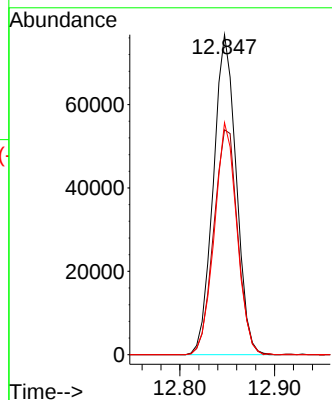
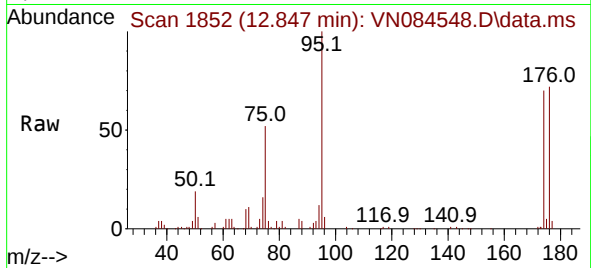




#62
4-Bromofluorobenzene
Concen: 48.203 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084548.D
Acq: 28 Oct 2024 18:41

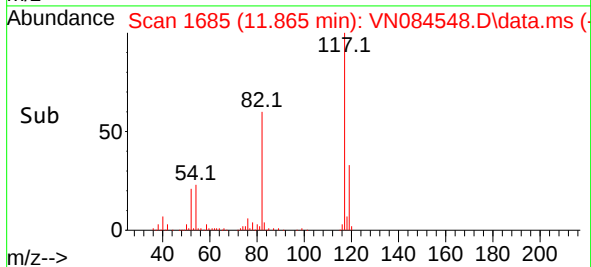
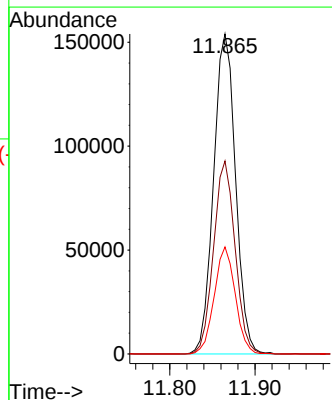
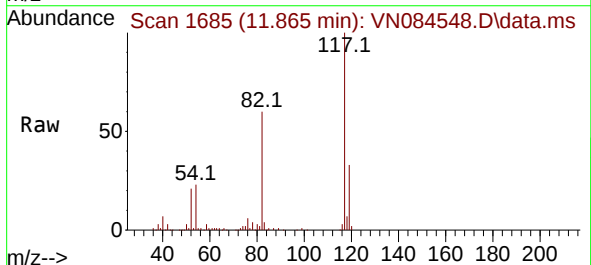
Instrument :
MSVOA_N
ClientSampleId :
WC-1

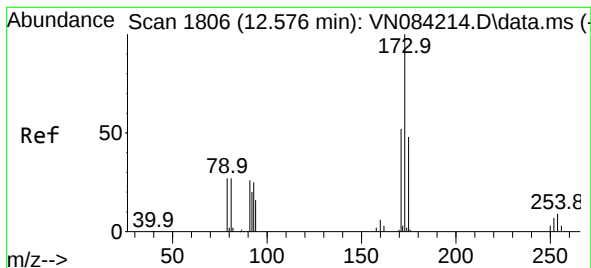
Tgt Ion: 95 Resp: 128892
Ion Ratio Lower Upper
95 100
174 73.5 0.0 145.2
176 71.4 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN084548.D
Acq: 28 Oct 2024 18:41

Tgt Ion: 117 Resp: 275908
Ion Ratio Lower Upper
117 100
82 60.3 47.2 70.8
119 33.4 25.4 38.0





#71

Bromoform

Concen: 0.523 ug/l

RT: 12.847 min Scan# 1806

Delta R.T. 0.271 min

Lab File: VN084548.D

Acq: 28 Oct 2024 18:41

Instrument :

MSVOA_N

ClientSampleId :

WC-1

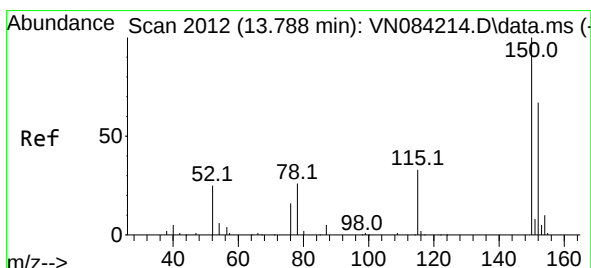
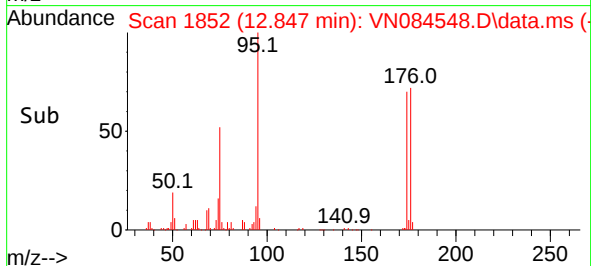
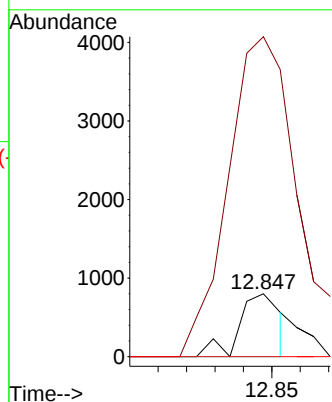
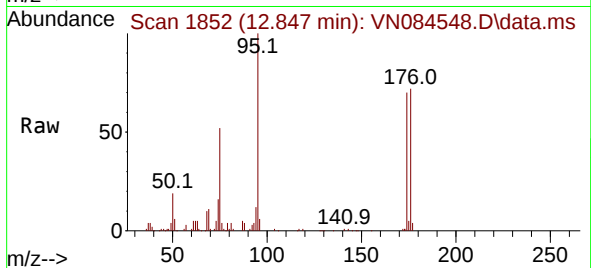
Tgt Ion:173 Resp: 811

Ion Ratio Lower Upper

173 100

175 674.2 23.5 70.6#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. 0.000 min

Lab File: VN084548.D

Acq: 28 Oct 2024 18:41

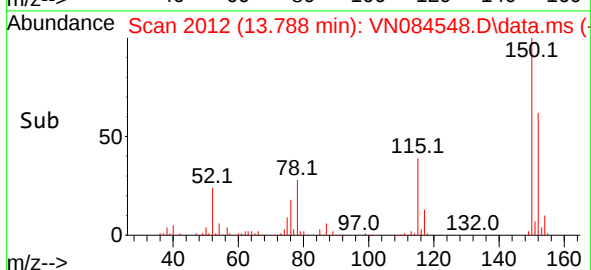
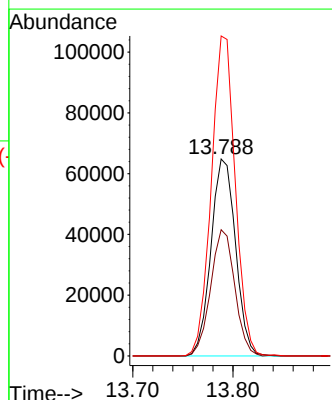
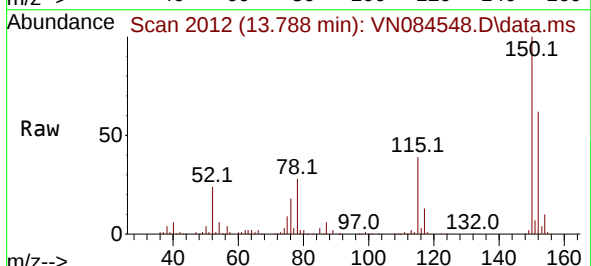
Tgt Ion:152 Resp: 110514

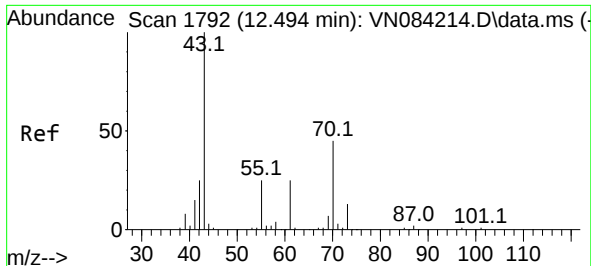
Ion Ratio Lower Upper

152 100

115 62.8 31.3 93.9

150 158.1 0.0 349.8

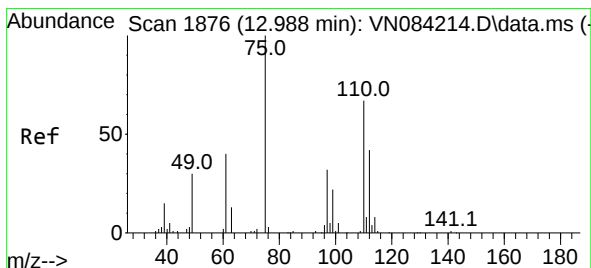
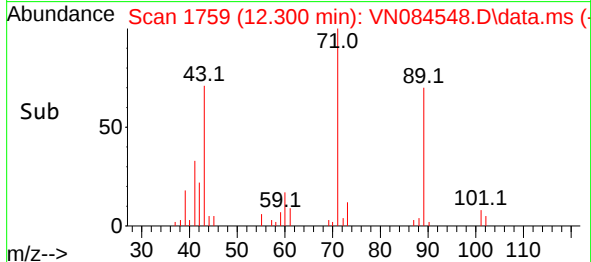
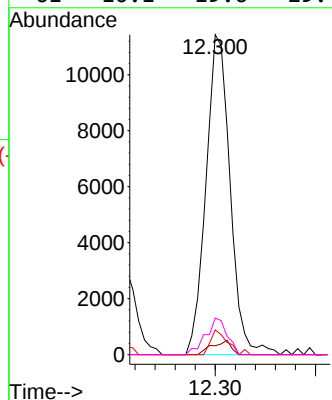
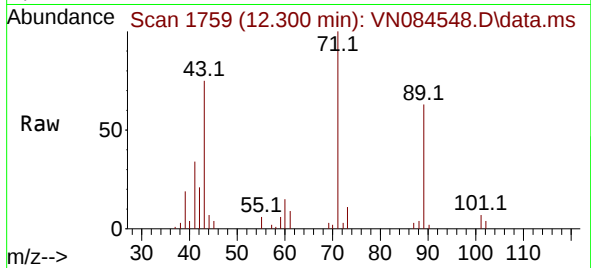




#74
N-amy1 acetate
Concen: 5.017 ug/l
RT: 12.300 min Scan# 11
Delta R.T. -0.194 min
Lab File: VN084548.D
Acq: 28 Oct 2024 18:41

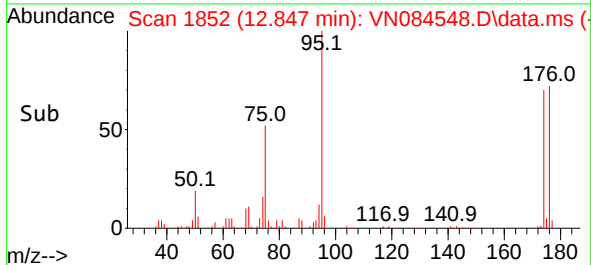
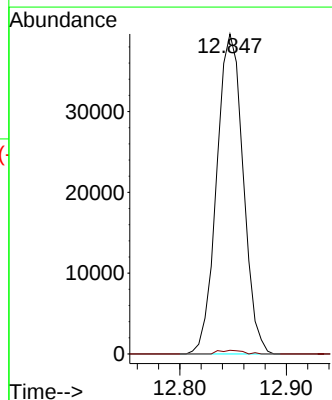
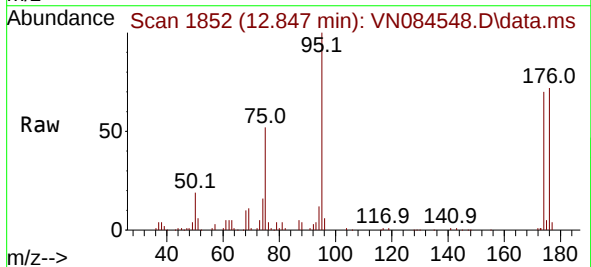
Instrument :
MSVOA_N
ClientSampleId :
WC-1

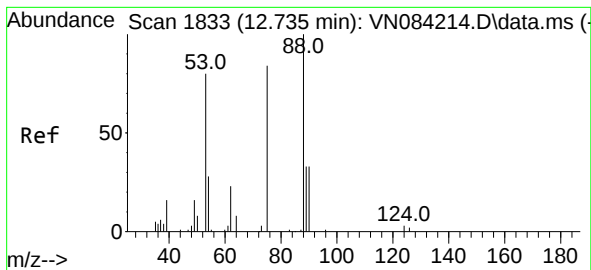
Tgt Ion: 43 Resp: 19158
Ion Ratio Lower Upper
43 100
70 3.5 34.4 51.6#
55 5.5 19.6 29.4#
61 10.1 19.6 29.4#



#76
1,2,3-Trichloropropane
Concen: 30.311 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084548.D
Acq: 28 Oct 2024 18:41

Tgt Ion: 75 Resp: 68387
Ion Ratio Lower Upper
75 100
77 1.0 96.9 290.7#





#81
trans-1,4-Dichloro-2-butene
Concen: 72.669 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN084548.D
Acq: 28 Oct 2024 18:41

Instrument :
MSVOA_N
ClientSampleId :
WC-1

Tgt Ion: 75 Resp: 68387
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#

