

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
 Data File : VN084754.D
 Acq On : 08 Nov 2024 16:56
 Operator : JC\MD
 Sample : P4722-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-1(3.5)

Quant Time: Nov 08 22:33:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	173136	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	304734	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	285280	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	132176	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	124399	49.746	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.500%		
35) Dibromofluoromethane	8.159	113	101220	49.072	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.140%		
50) Toluene-d8	10.565	98	368310	48.473	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.940%		
62) 4-Bromofluorobenzene	12.847	95	142767	50.275	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	100.560%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	494	Below Cal	#	41
6) Chloroethane	3.065	64	414	Below Cal	#	45
11) Tert butyl alcohol	5.518	59	624	1.890	ug/l #	73
16) Acetone	4.436	43	14853	17.914	ug/l	96
18) Methyl Acetate	5.036	43	4080	Below Cal	#	84
20) Methylene Chloride	5.265	84	3582	1.629	ug/l	91
25) 2-Butanone	7.488	43	8576	7.351	ug/l	96
29) Tetrahydrofuran	7.847	42	359	0.464	ug/l #	34
31) Cyclohexane	8.218	56	3719	1.077	ug/l #	25
36) 1,1-Dichloropropene	8.218	75	13751	4.807	ug/l #	50
37) Ethyl Acetate	7.565	43	2222	0.856	ug/l #	79
38) Carbon Tetrachloride	8.224	117	17634	5.515	ug/l #	13
43) Isopropyl Acetate	8.688	43	94549	19.122	ug/l #	90
44) Trichloroethene	9.347	130	2142	1.011	ug/l	91
45) 1,2-Dichloropropane	9.741	63	1006	0.467	ug/l #	44
48) Methyl methacrylate	9.659	41	2571	1.273	ug/l #	41
51) 4-Methyl-2-Pentanone	10.453	43	6726	2.718	ug/l #	66
54) cis-1,3-Dichloropropene	10.353	75	30803	8.771	ug/l #	67
56) Ethyl methacrylate	10.988	69	1226	0.419	ug/l #	1
57) 1,3-Dichloropropane	11.194	76	3719	1.071	ug/l #	42
59) 2-Hexanone	11.171	43	66024	36.660	ug/l #	24
71) Bromoform	12.841	173	598	0.358	ug/l #	1
74) N-amyl acetate	12.459	43	1534	0.389	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	72236	27.340	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	72236	64.861	ug/l #	11
88) 1,4-Dichlorobenzene	13.806	146	53	Below Cal	#	1

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

Quant Time: Nov 08 22:33:47 2024
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Response via : Initial Calibration

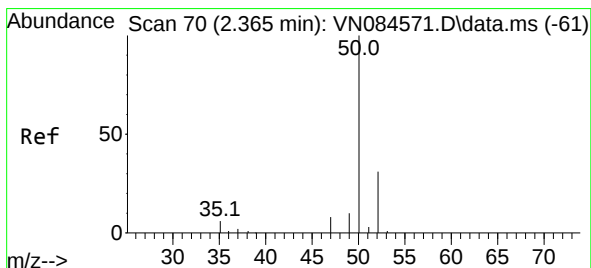
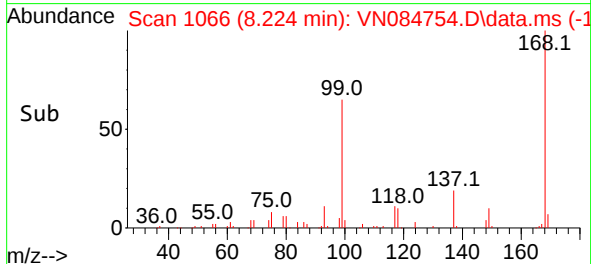
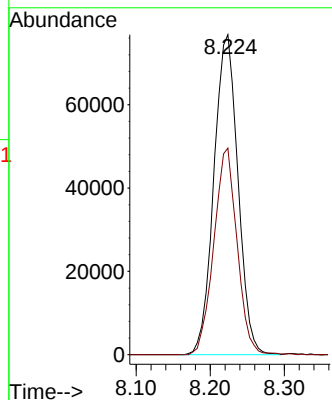
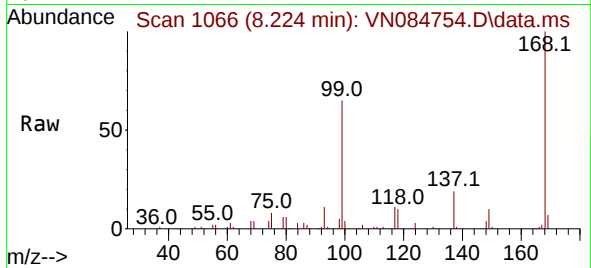




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084754.D
Acq: 08 Nov 2024 16:56

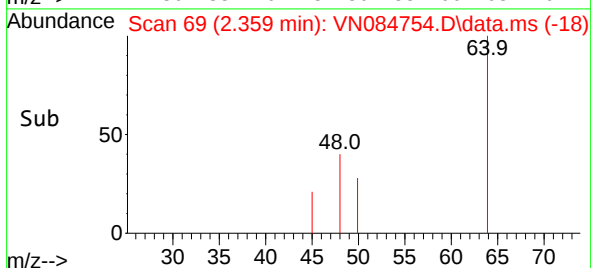
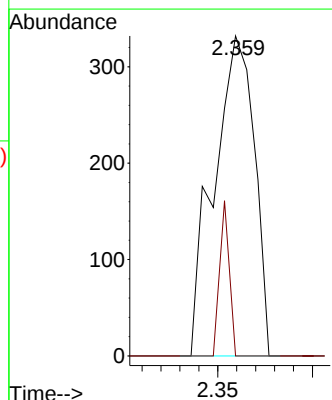
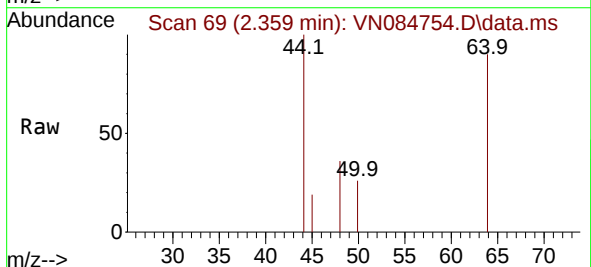
Instrument :
MSVOA_N
ClientSampleId :
WC-1(3.5)

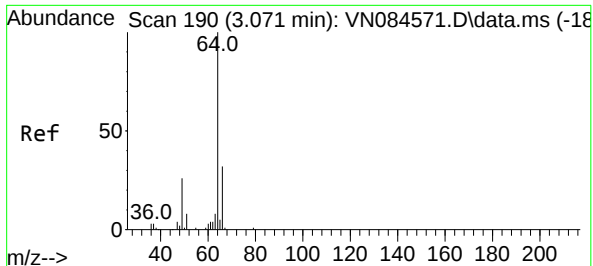
Tgt Ion:168 Resp: 173136
Ion Ratio Lower Upper
168 100
99 64.6 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084754.D
Acq: 08 Nov 2024 16:56

Tgt Ion: 50 Resp: 494
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

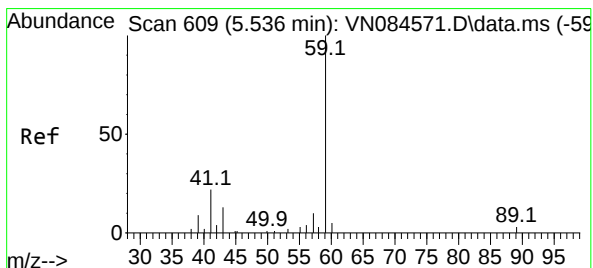
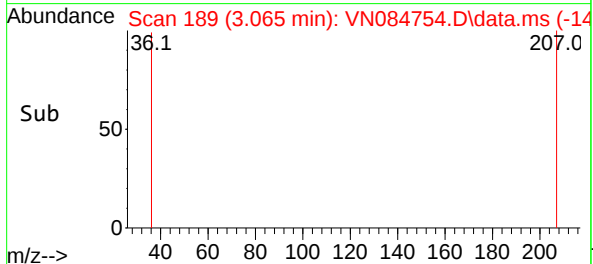
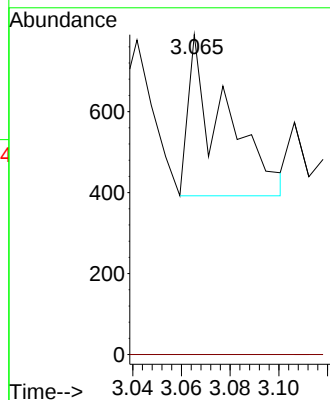
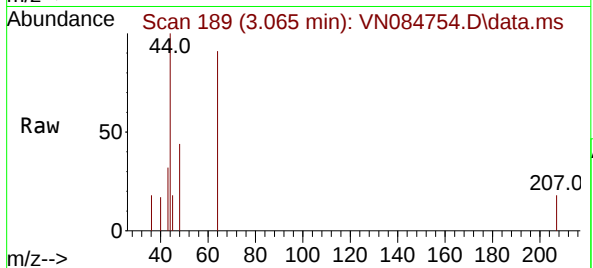




#6
Chloroethane
Concen: Below Cal
RT: 3.065 min Scan# 11
Delta R.T. -0.053 min
Lab File: VN084754.D
Acq: 08 Nov 2024 16:56

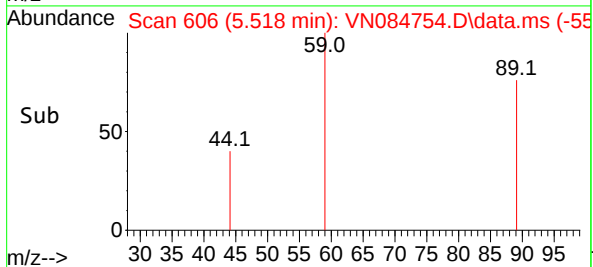
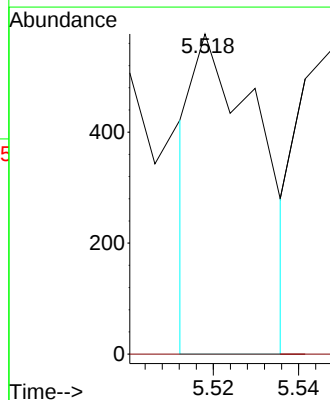
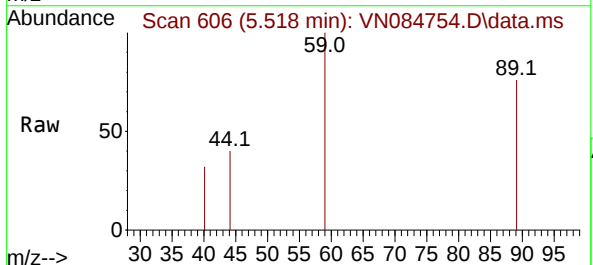
Instrument :
MSVOA_N
ClientSampleId :
WC-1(3.5)

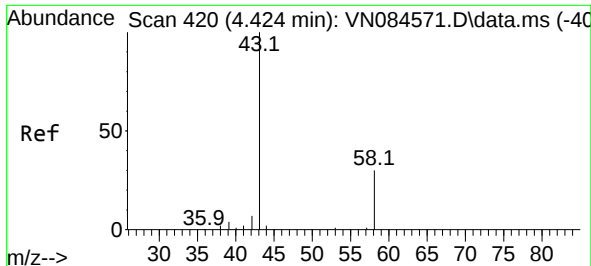
Tgt Ion: 64 Resp: 414
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 1.890 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.006 min
Lab File: VN084754.D
Acq: 08 Nov 2024 16:56

Tgt Ion: 59 Resp: 624
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

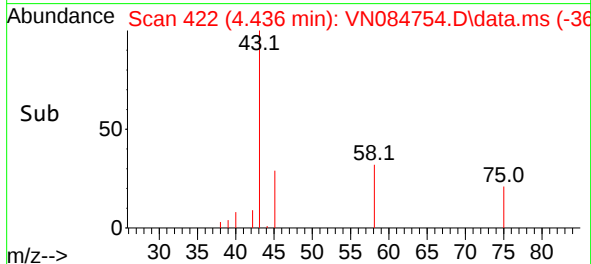
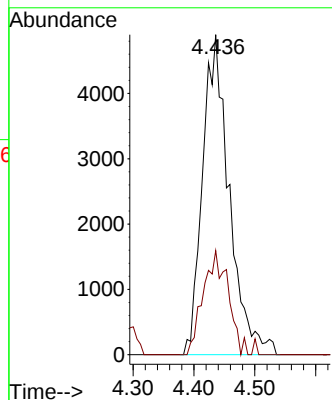
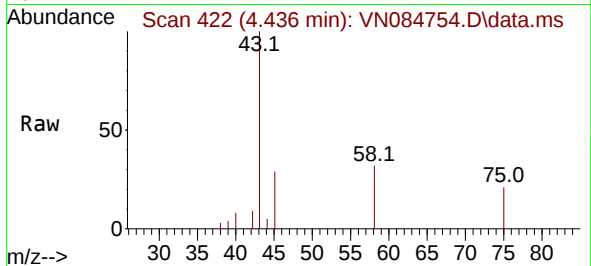




#16
Acetone
Concen: 17.914 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN084754.D
Acq: 08 Nov 2024 16:56

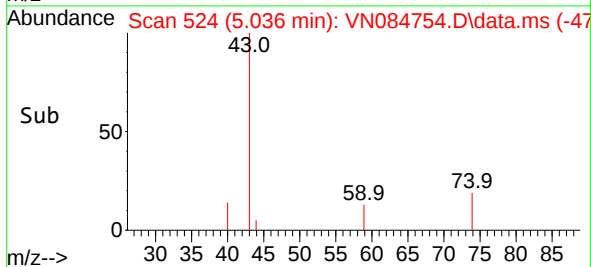
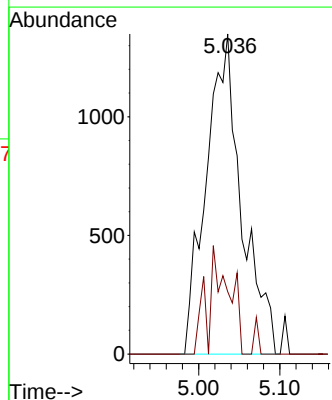
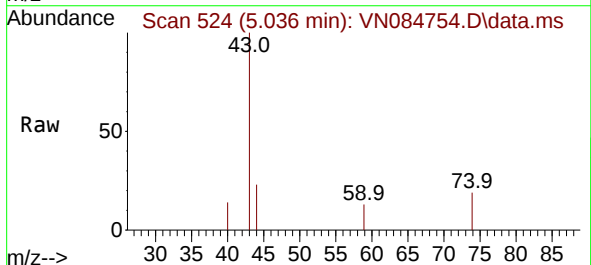
Instrument :
MSVOA_N
ClientSampleId :
WC-1(3.5)

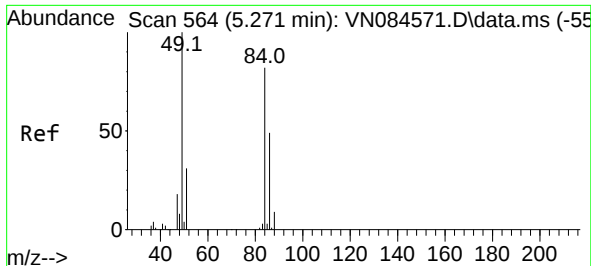
Tgt Ion: 43 Resp: 14853
Ion Ratio Lower Upper
43 100
58 32.5 24.4 36.6



#18
Methyl Acetate
Concen: Below Cal
RT: 5.036 min Scan# 524
Delta R.T. 0.018 min
Lab File: VN084754.D
Acq: 08 Nov 2024 16:56

Tgt Ion: 43 Resp: 4080
Ion Ratio Lower Upper
43 100
74 16.2 19.2 28.8#

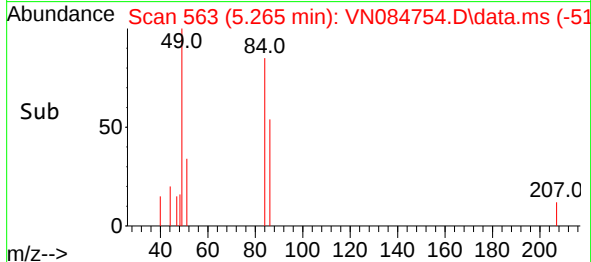
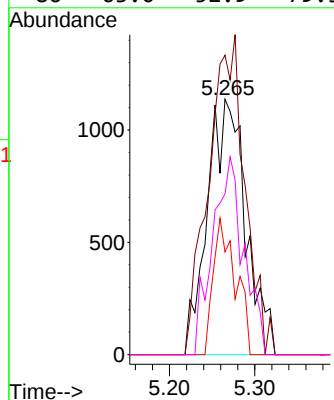
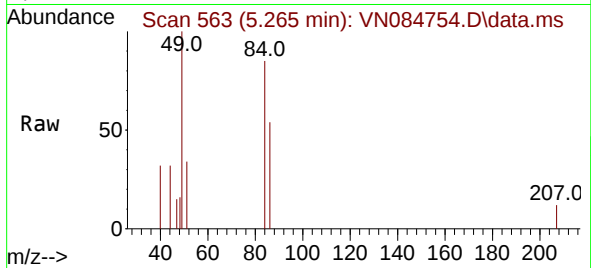




#20
Methylene Chloride
Concen: 1.629 ug/l
RT: 5.265 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN084754.D
Acq: 08 Nov 2024 16:56

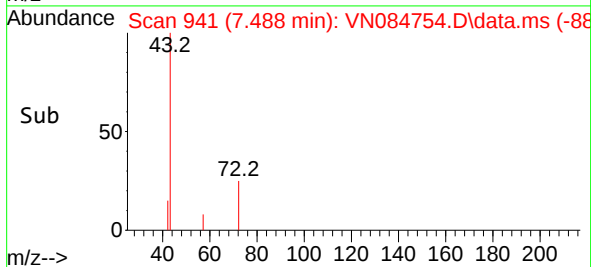
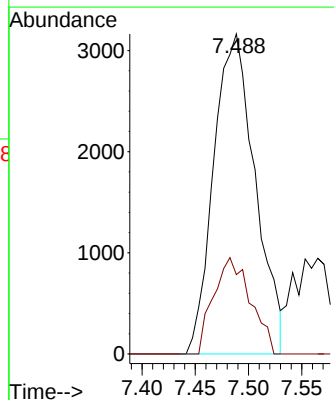
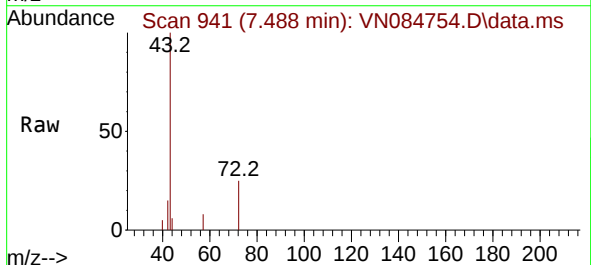
Instrument :
MSVOA_N
ClientSampleId :
WC-1(3.5)

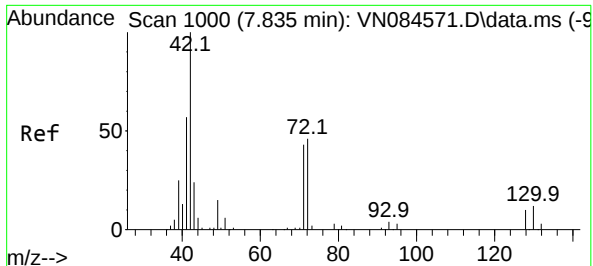
Tgt Ion: 84	Resp:	3582	
Ion	Ratio	Lower	Upper
84	100		
49	117.3	107.2	160.8
51	40.3	31.8	47.8
86	63.0	52.9	79.3



#25
2-Butanone
Concen: 7.351 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN084754.D
Acq: 08 Nov 2024 16:56

Tgt Ion: 43	Resp:	8576	
Ion	Ratio	Lower	Upper
43	100		
72	24.8	21.4	32.2





#29

Tetrahydrofuran

Concen: 0.464 ug/l

RT: 7.847 min Scan# 1065

Delta R.T. 0.012 min

Lab File: VN084754.D

Acq: 08 Nov 2024 16:56

Instrument :

MSVOA_N

ClientSampleId :

WC-1(3.5)

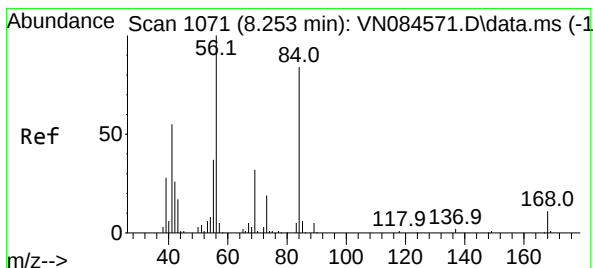
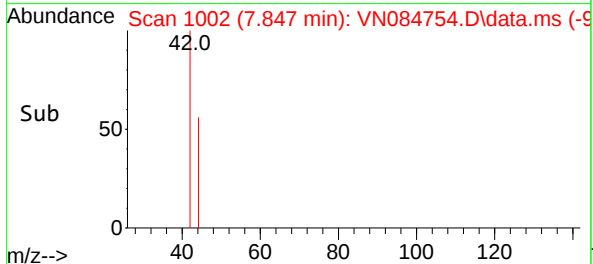
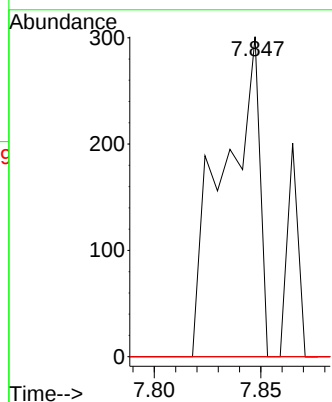
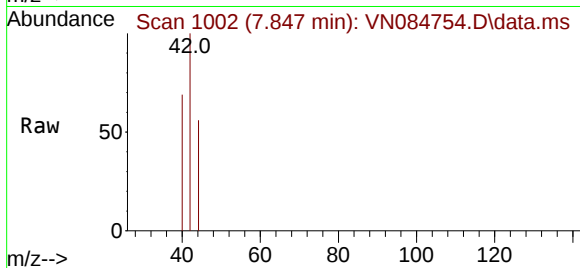
Tgt Ion: 42 Resp: 359

Ion Ratio Lower Upper

42 100

72 0.0 34.6 51.8#

71 0.0 32.2 48.4#



#31

Cyclohexane

Concen: 1.077 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.035 min

Lab File: VN084754.D

Acq: 08 Nov 2024 16:56

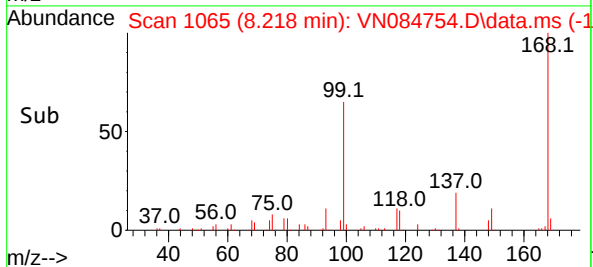
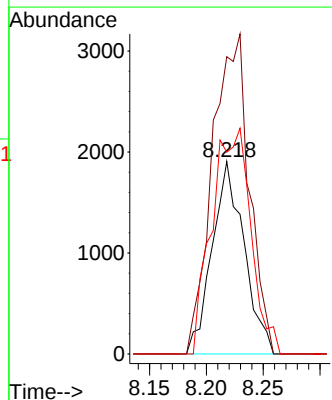
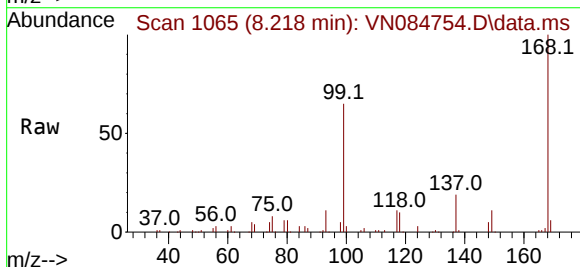
Tgt Ion: 56 Resp: 3719

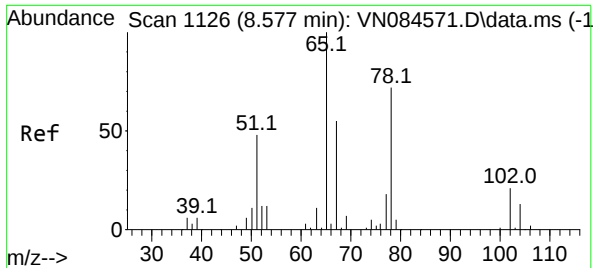
Ion Ratio Lower Upper

56 100

69 154.4 23.8 35.6#

84 104.8 68.8 103.2#

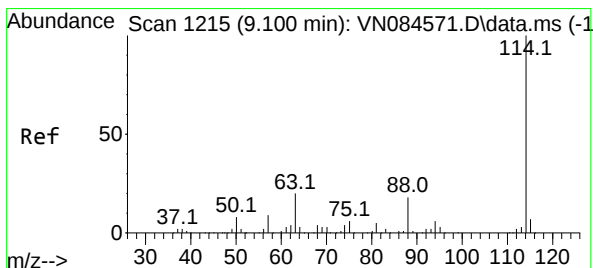
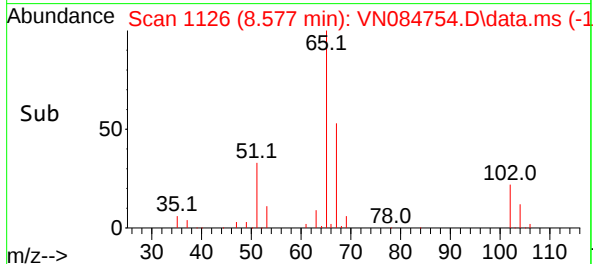
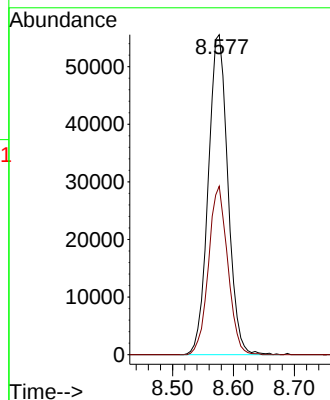
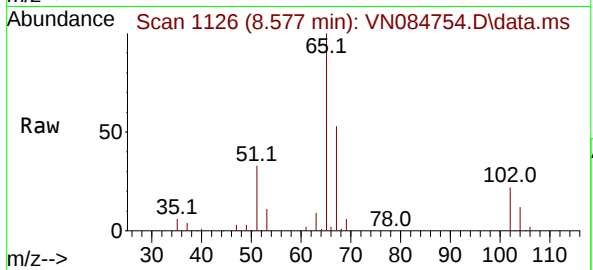




#33
 1,2-Dichloroethane-d4
 Concen: 49.746 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: VN084754.D
 Acq: 08 Nov 2024 16:56

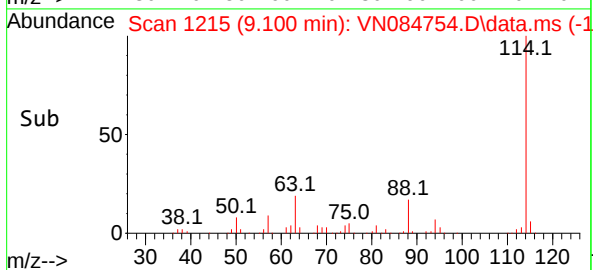
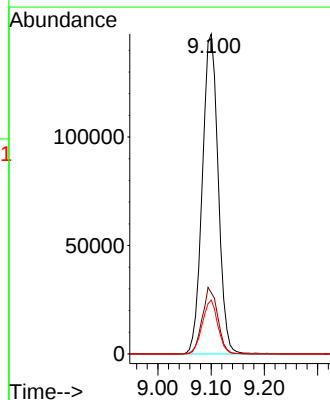
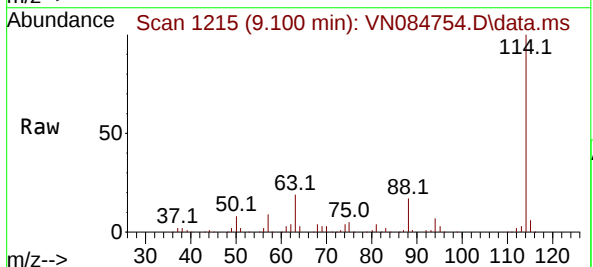
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-1(3.5)

Tgt Ion: 65 Resp: 124399
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. 0.000 min
 Lab File: VN084754.D
 Acq: 08 Nov 2024 16:56

Tgt Ion: 114 Resp: 304734
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 43.8
 88 16.8 0.0 31.6





#35

Dibromofluoromethane

Concen: 49.072 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN084754.D

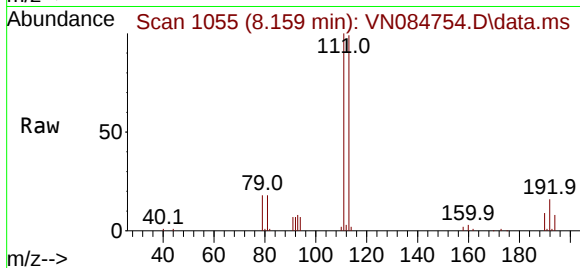
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Instrument :

MSVOA_N

ClientSampleId :

WC-1(3.5)



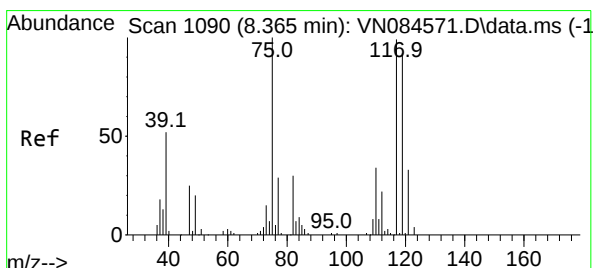
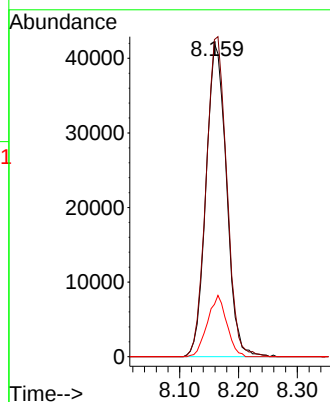
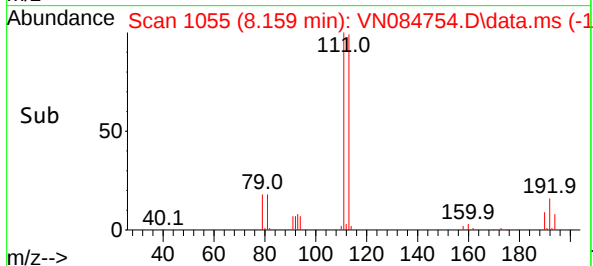
Tgt Ion:113 Resp: 101220

Ion Ratio Lower Upper

113 100

111 103.2 83.3 124.9

192 18.5 13.5 20.3



#36

1,1-Dichloropropene

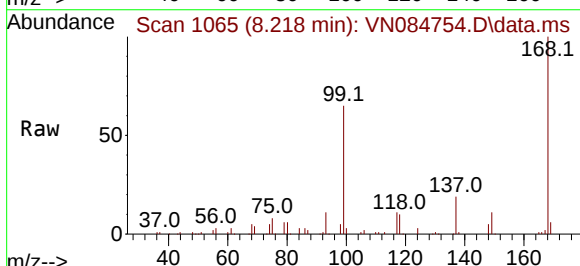
Concen: 4.807 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN084754.D

Acq: 08 Nov 2024 16:56



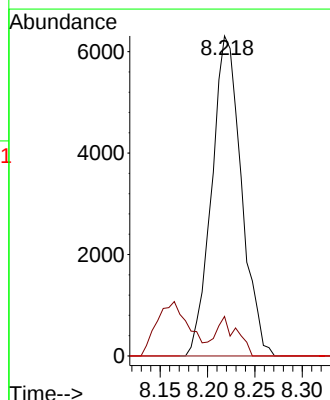
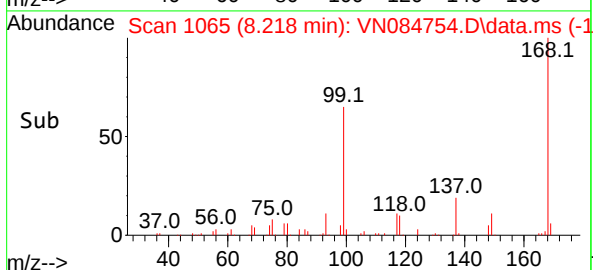
Tgt Ion: 75 Resp: 13751

Ion Ratio Lower Upper

75 100

110 8.6 16.9 50.7#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.856 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN084754.D

Acq: 08 Nov 2024 16:56

Instrument :

MSVOA_N

ClientSampleId :

WC-1(3.5)

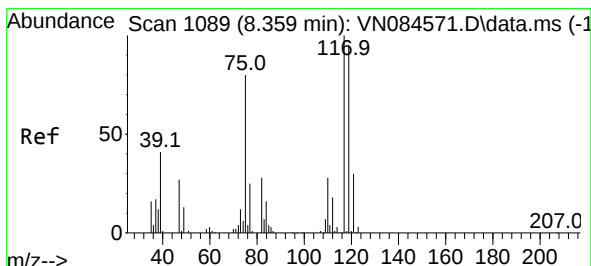
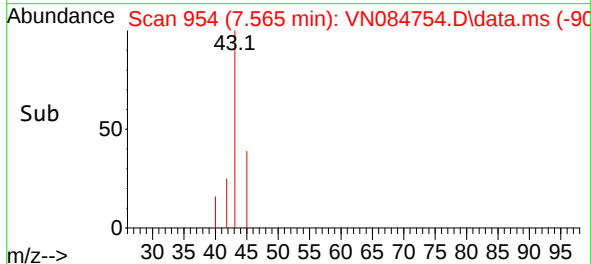
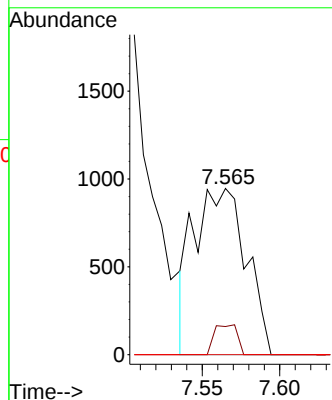
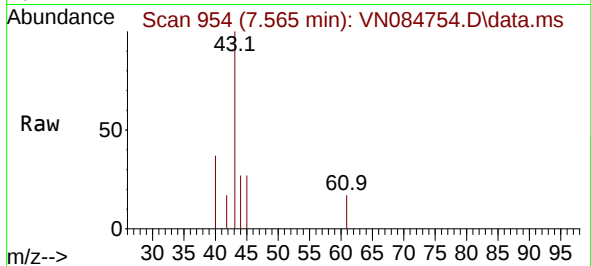
Tgt Ion: 43 Resp: 2222

Ion Ratio Lower Upper

43 100

61 7.9 10.7 16.1#

70 0.0 8.8 13.2#



#38

Carbon Tetrachloride

Concen: 5.515 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN084754.D

Acq: 08 Nov 2024 16:56

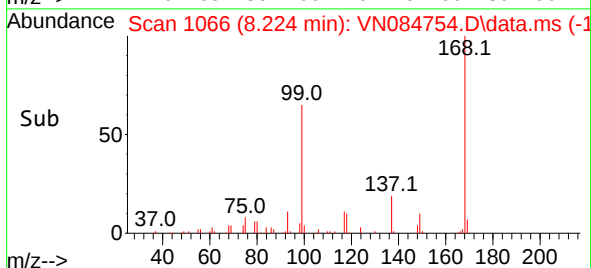
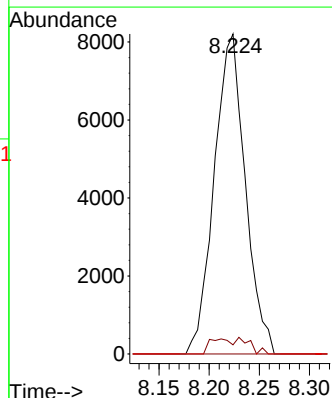
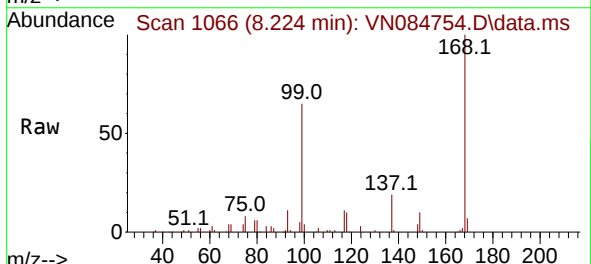
Tgt Ion: 117 Resp: 17634

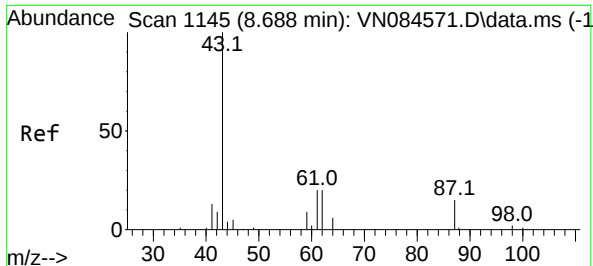
Ion Ratio Lower Upper

117 100

119 2.8 78.7 118.1#

121 0.0 24.4 36.6#

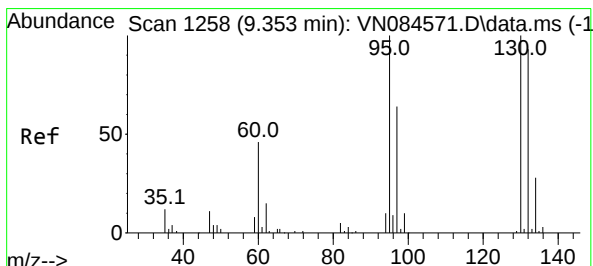
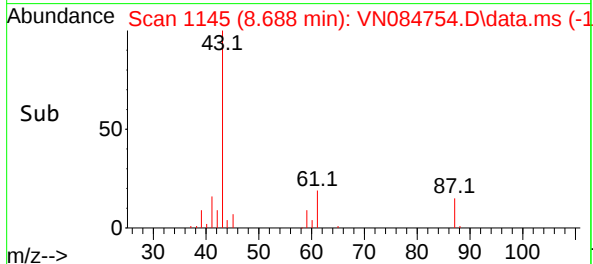
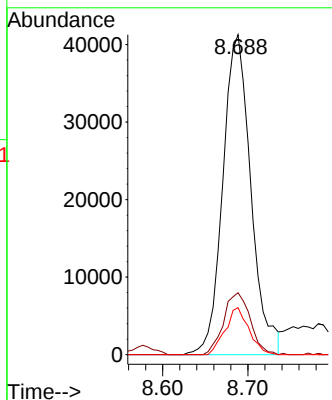
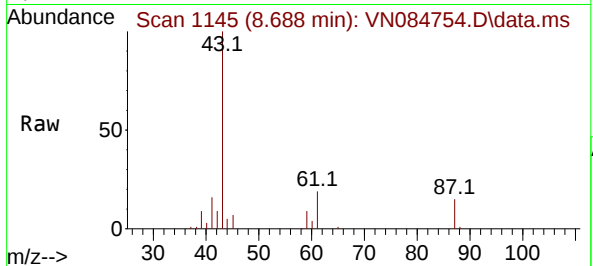




#43
Isopropyl Acetate
Concen: 19.122 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084754.D
Acq: 08 Nov 2024 16:56

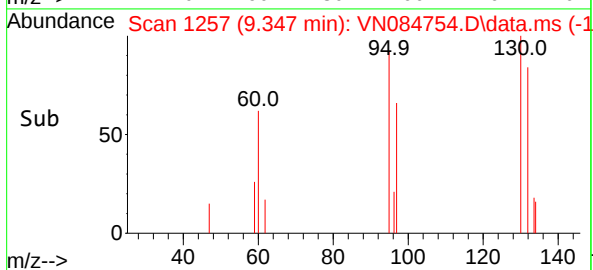
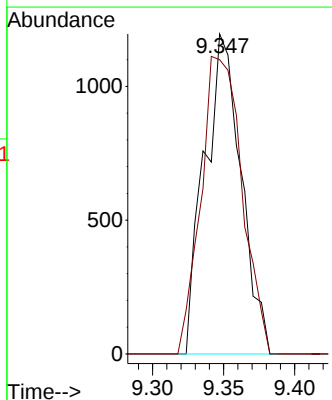
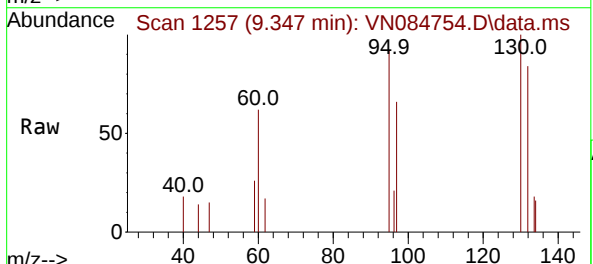
Instrument :
MSVOA_N
ClientSampleId :
WC-1(3.5)

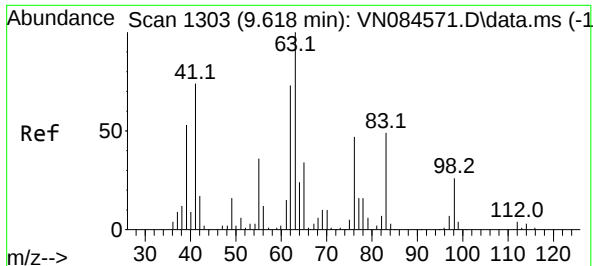
Tgt Ion: 43 Resp: 94549
Ion Ratio Lower Upper
43 100
61 18.4 20.4 30.6#
87 12.4 10.3 15.5



#44
Trichloroethene
Concen: 1.011 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084754.D
Acq: 08 Nov 2024 16:56

Tgt Ion:130 Resp: 2142
Ion Ratio Lower Upper
130 100
95 92.0 0.0 203.0





#45

1,2-Dichloropropane

Concen: 0.467 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.123 min

Lab File: VN084754.D

Acq: 08 Nov 2024 16:56

Instrument :

MSVOA_N

ClientSampleId :

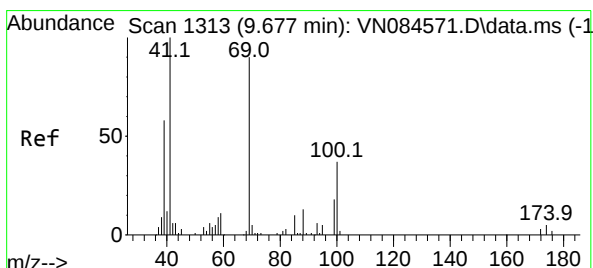
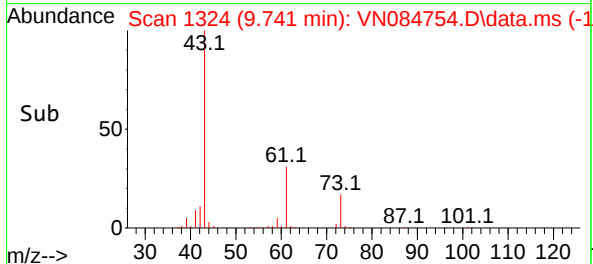
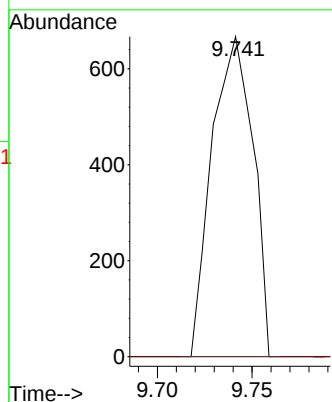
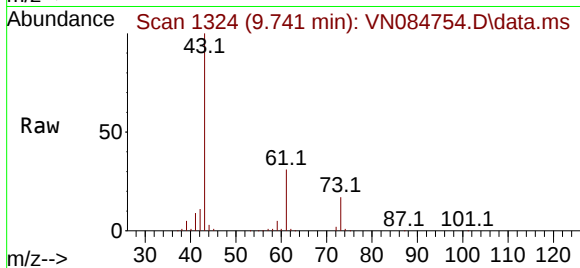
WC-1(3.5)

Tgt Ion: 63 Resp: 1006

Ion Ratio Lower Upper

63 100

65 0.0 24.6 37.0#



#48

Methyl methacrylate

Concen: 1.273 ug/l

RT: 9.659 min Scan# 1310

Delta R.T. -0.018 min

Lab File: VN084754.D

Acq: 08 Nov 2024 16:56

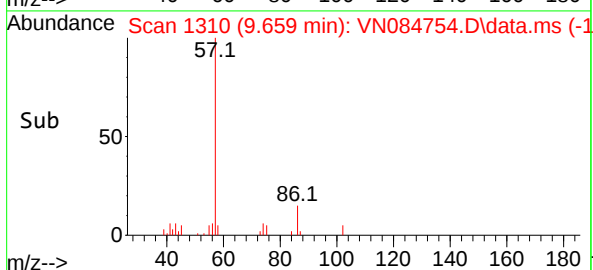
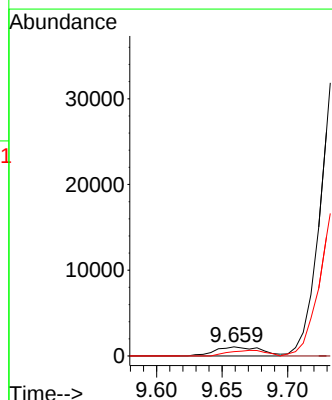
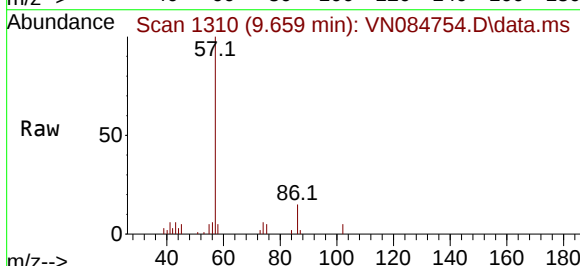
Tgt Ion: 41 Resp: 2571

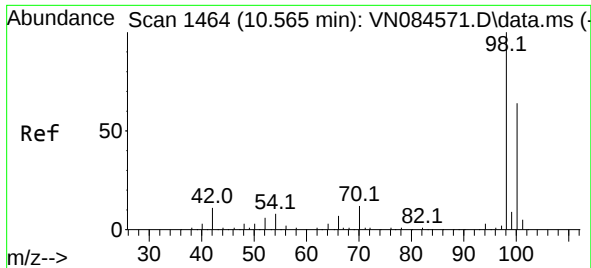
Ion Ratio Lower Upper

41 100

69 0.0 67.1 100.7#

39 50.3 45.8 68.6

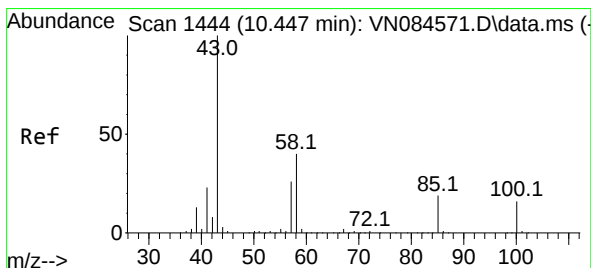
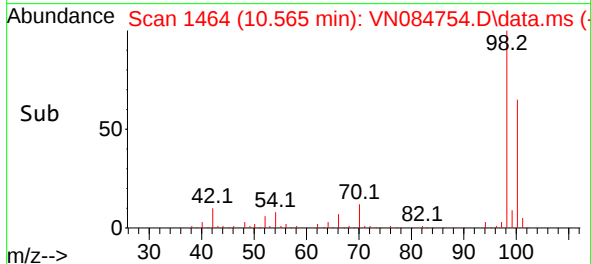
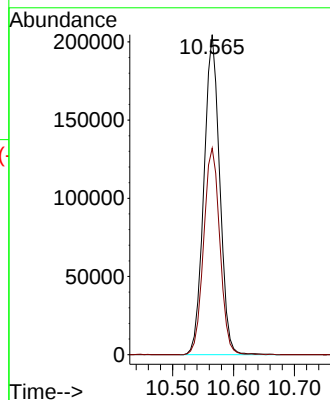
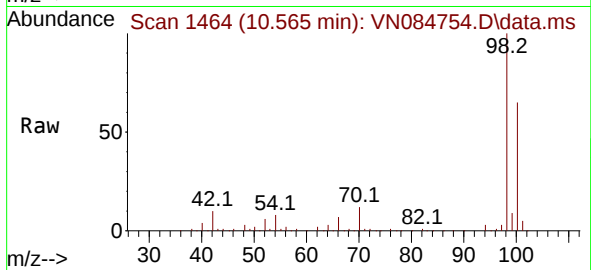




#50
Toluene-d8
Concen: 48.473 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084754.D
Acq: 08 Nov 2024 16:56

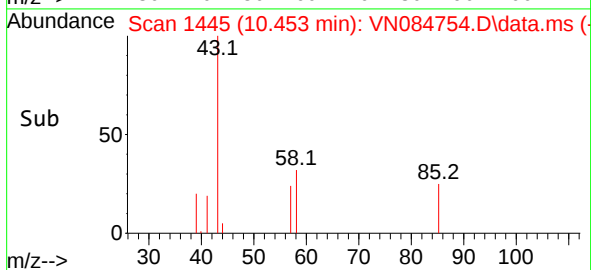
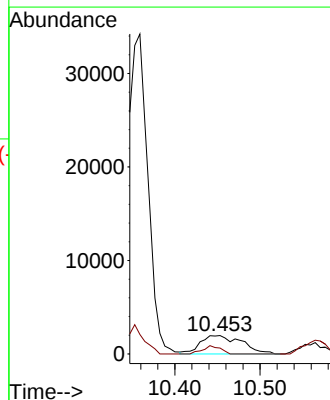
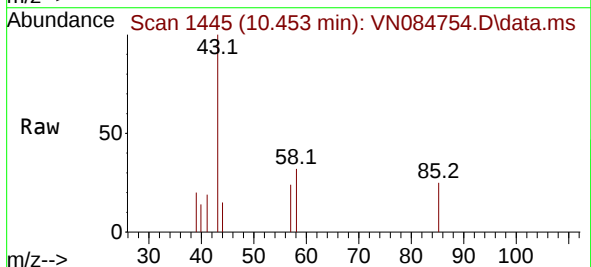
Instrument :
MSVOA_N
ClientSampleId :
WC-1(3.5)

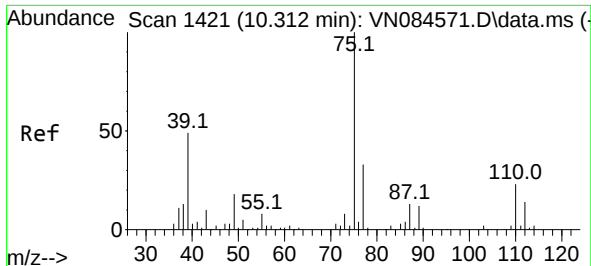
Tgt Ion: 98 Resp: 368310
Ion Ratio Lower Upper
98 100
100 66.3 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 2.718 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.012 min
Lab File: VN084754.D
Acq: 08 Nov 2024 16:56

Tgt Ion: 43 Resp: 6726
Ion Ratio Lower Upper
43 100
58 18.9 31.6 47.4#

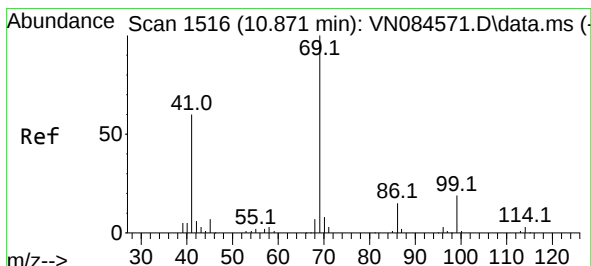
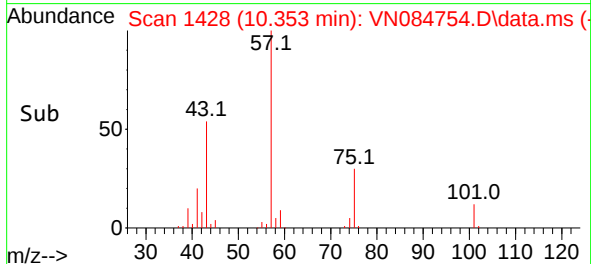
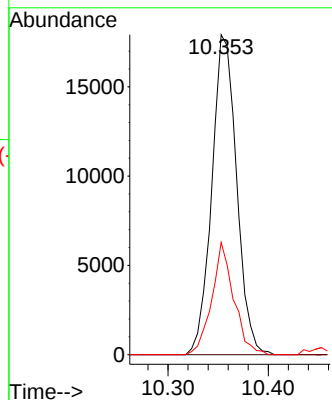
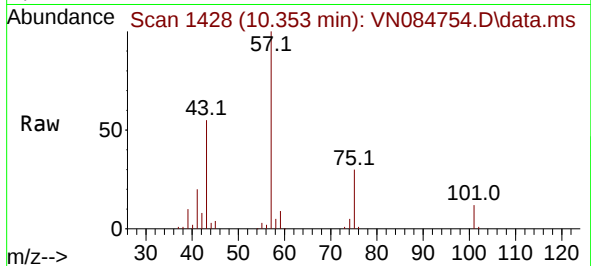




#54
cis-1,3-Dichloropropene
Concen: 8.771 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.041 min
Lab File: VN084754.D
Acq: 08 Nov 2024 16:56

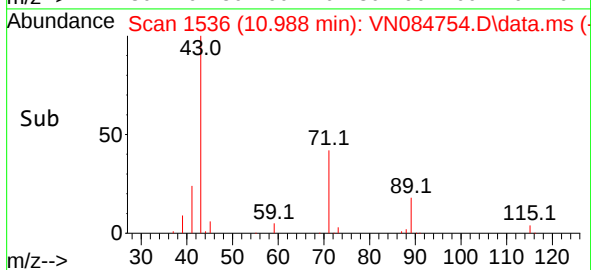
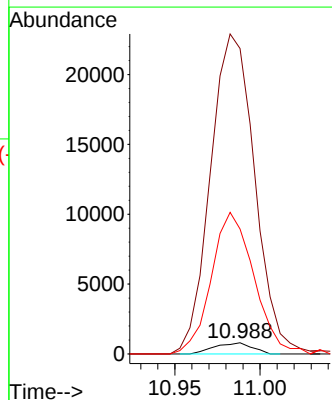
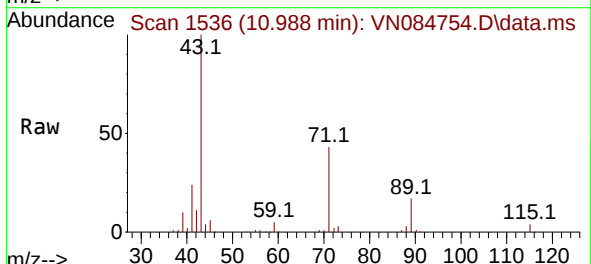
Instrument :
MSVOA_N
ClientSampleId :
WC-1(3.5)

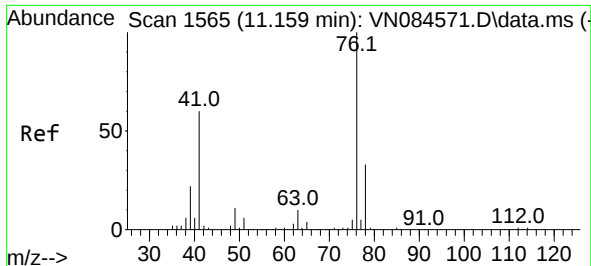
Tgt Ion: 75 Resp: 30803
Ion Ratio Lower Upper
75 100
77 0.0 24.2 36.2#
39 35.0 38.7 58.1#



#56
Ethyl methacrylate
Concen: 0.419 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.118 min
Lab File: VN084754.D
Acq: 08 Nov 2024 16:56

Tgt Ion: 69 Resp: 1226
Ion Ratio Lower Upper
69 100
41 3396.5 53.3 79.9#
39 1445.7 28.8 43.2#





#57

1,3-Dichloropropane

Concen: 1.071 ug/l

RT: 11.194 min Scan# 1571

Delta R.T. 0.035 min

Lab File: VN084754.D

Acq: 08 Nov 2024 16:56

Instrument :

MSVOA_N

ClientSampleId :

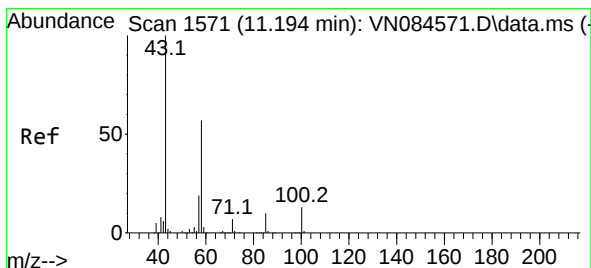
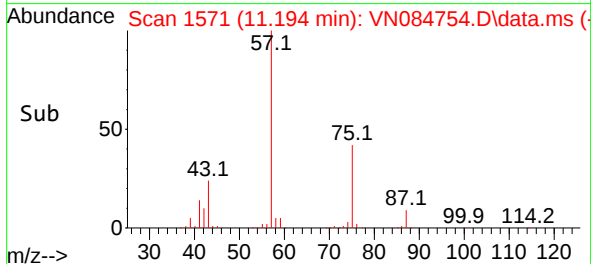
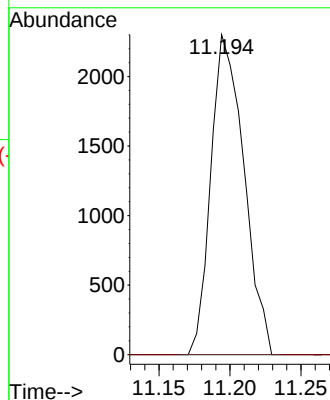
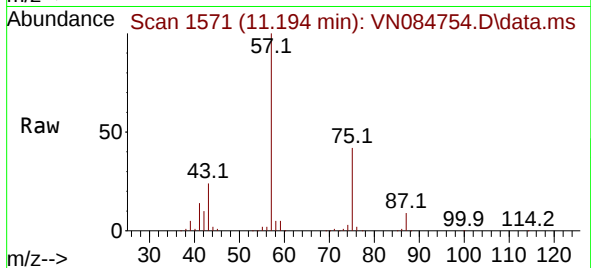
WC-1(3.5)

Tgt Ion: 76 Resp: 3719

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 36.660 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.024 min

Lab File: VN084754.D

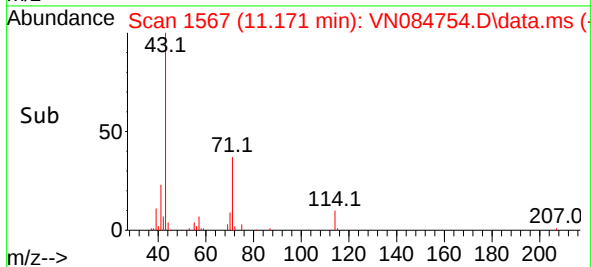
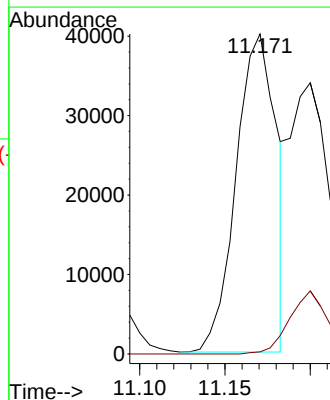
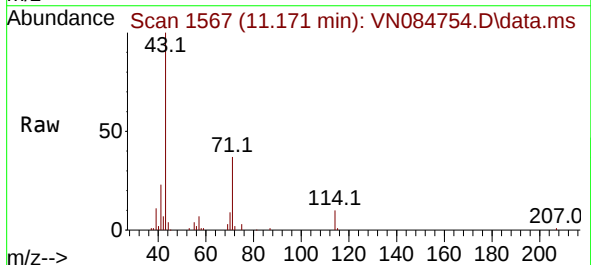
Acq: 08 Nov 2024 16:56

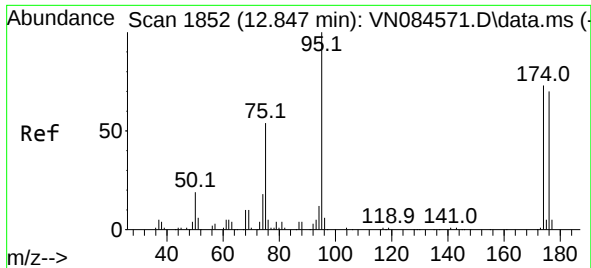
Tgt Ion: 43 Resp: 66024

Ion Ratio Lower Upper

43 100

58 0.0 27.3 81.8#

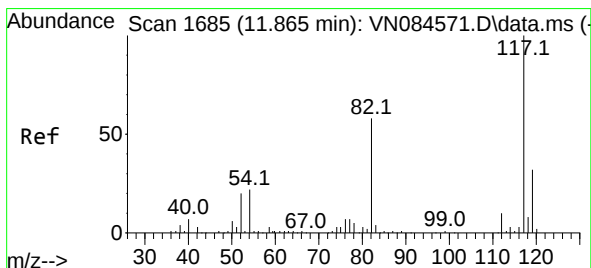
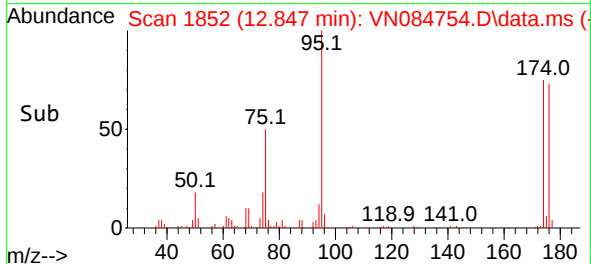
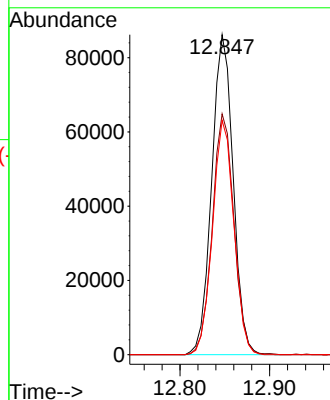
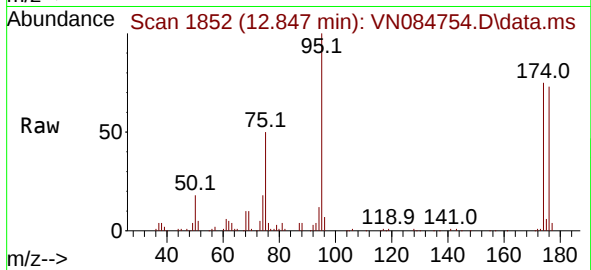




#62
4-Bromofluorobenzene
Concen: 50.275 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084754.D
Acq: 08 Nov 2024 16:56

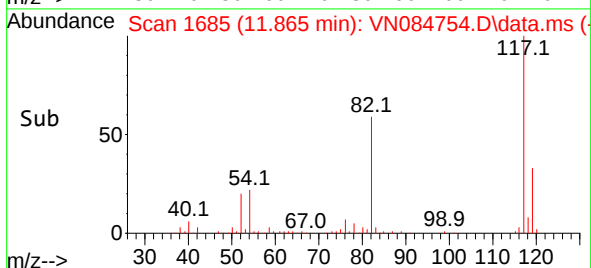
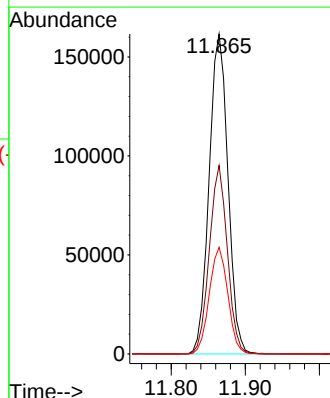
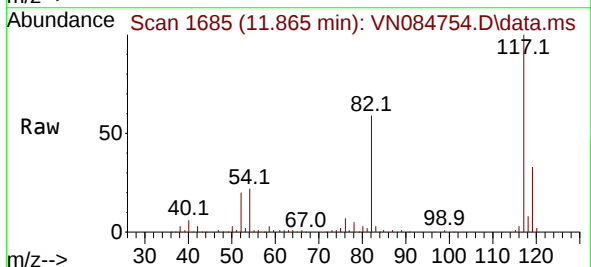
Instrument :
MSVOA_N
ClientSampleId :
WC-1(3.5)

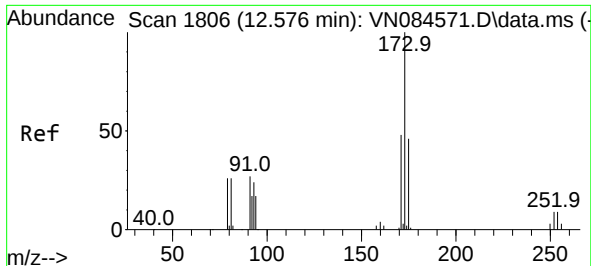
Tgt Ion: 95 Resp: 142767
Ion Ratio Lower Upper
95 100
174 75.8 0.0 145.2
176 73.2 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084754.D
Acq: 08 Nov 2024 16:56

Tgt Ion: 117 Resp: 285280
Ion Ratio Lower Upper
117 100
82 58.9 47.2 70.8
119 33.3 25.4 38.0

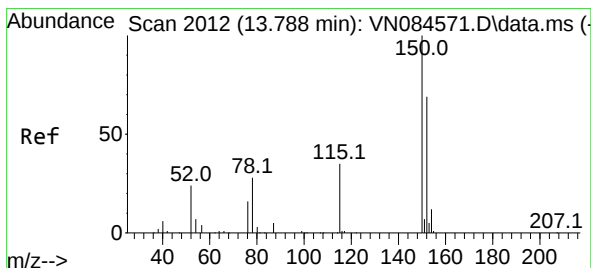
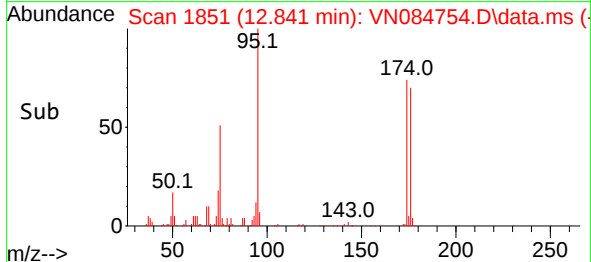
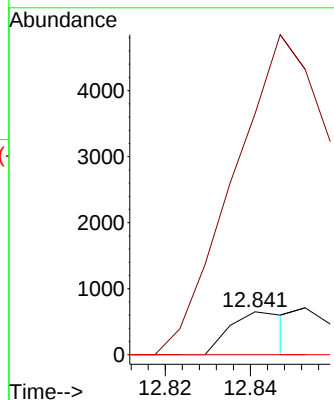
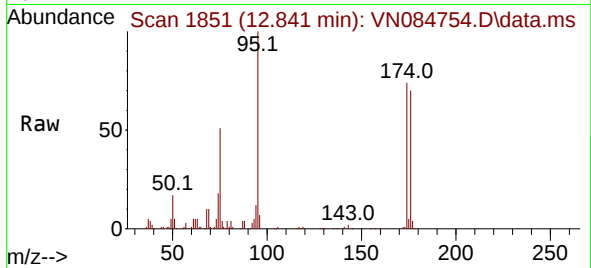




#71
Bromoform
Concen: 0.358 ug/l
RT: 12.841 min Scan# 1806
Delta R.T. 0.265 min
Lab File: VN084754.D
Acq: 08 Nov 2024 16:56

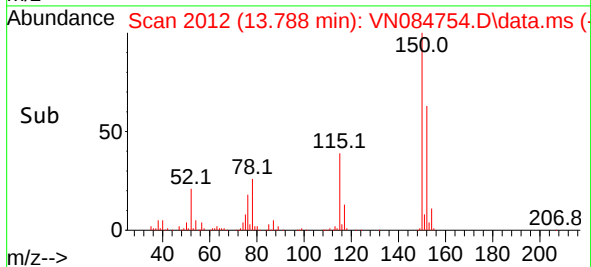
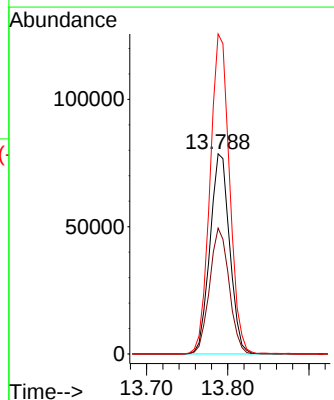
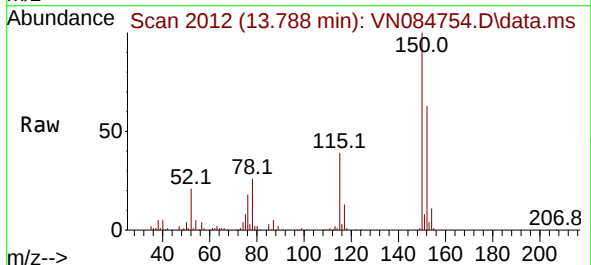
Instrument :
MSVOA_N
ClientSampleId :
WC-1(3.5)

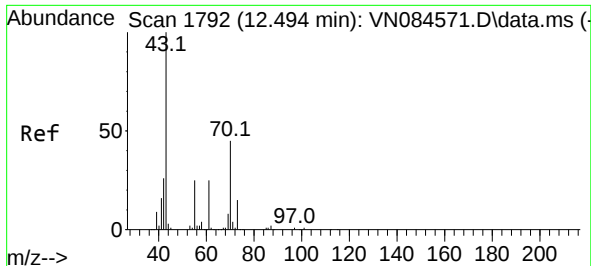
Tgt Ion:173 Resp: 598
Ion Ratio Lower Upper
173 100
175 1013.9 23.5 70.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VN084754.D
Acq: 08 Nov 2024 16:56

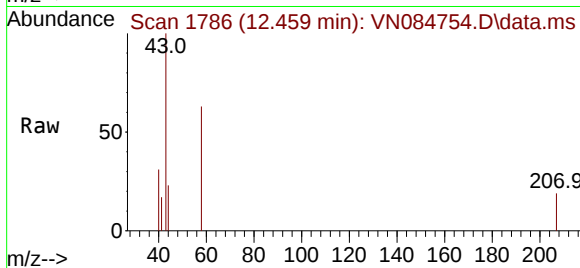
Tgt Ion:152 Resp: 132176
Ion Ratio Lower Upper
152 100
115 62.4 31.3 93.9
150 158.7 0.0 349.8





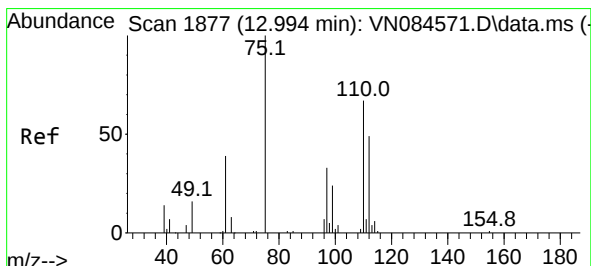
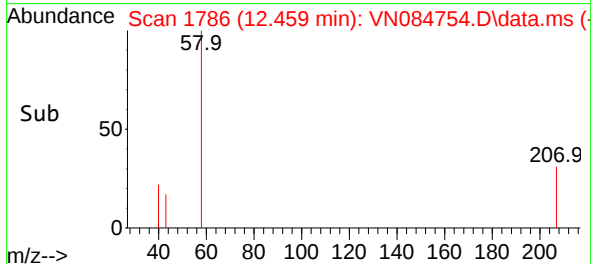
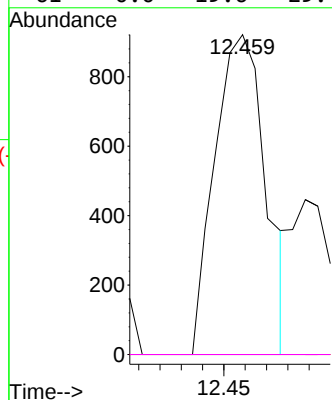
#74
N-amy1 acetate
Concen: 0.389 ug/l
RT: 12.459 min Scan# 1
Delta R.T. -0.035 min
Lab File: VN084754.D
Acq: 08 Nov 2024 16:56

Instrument :
MSVOA_N
ClientSampleId :
WC-1(3.5)



Tgt Ion: 43 Resp: 1534

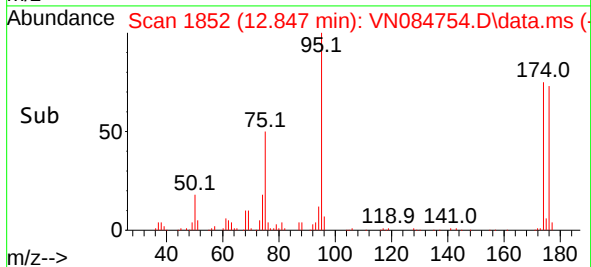
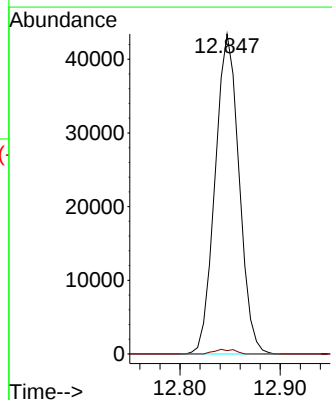
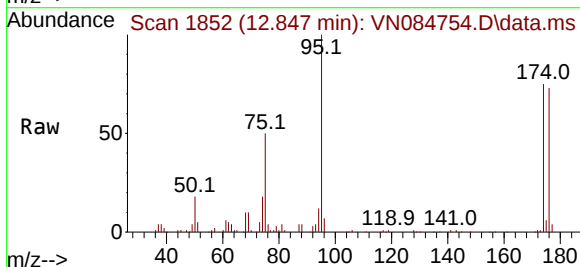
Ion	Ratio	Lower	Upper
43	100		
70	0.0	34.4	51.6#
55	0.0	19.6	29.4#
61	0.0	19.6	29.4#

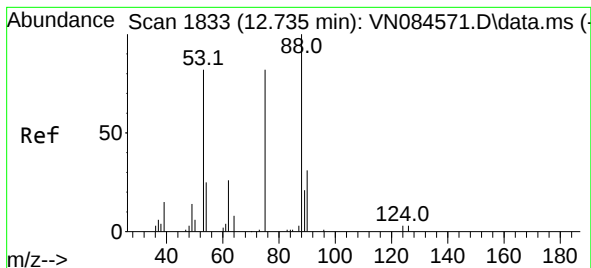


#76
1,2,3-Trichloropropane
Concen: 27.340 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084754.D
Acq: 08 Nov 2024 16:56

Tgt Ion: 75 Resp: 72236

Ion	Ratio	Lower	Upper
75	100		
77	1.2	96.9	290.7#

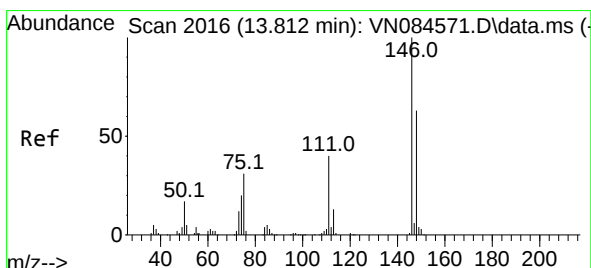
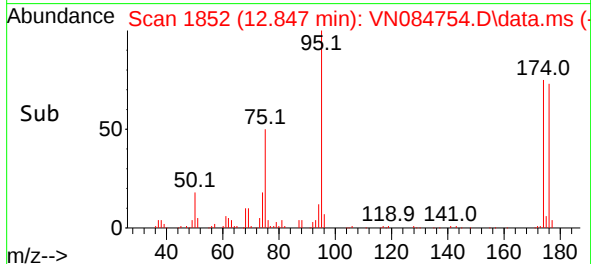
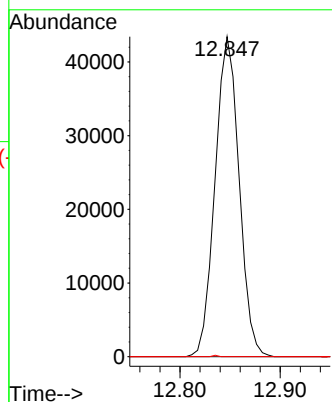
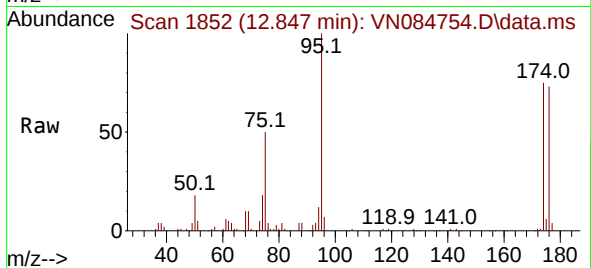




#81
trans-1,4-Dichloro-2-butene
Concen: 64.861 ug/l
RT: 12.847 min Scan# 1
Delta R.T. 0.112 min
Lab File: VN084754.D
Acq: 08 Nov 2024 16:56

Instrument :
MSVOA_N
ClientSampleId :
WC-1(3.5)

Tgt Ion: 75 Resp: 72236
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.1 35.5 53.3#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.806 min Scan# 2015
Delta R.T. -0.006 min
Lab File: VN084754.D
Acq: 08 Nov 2024 16:56

Tgt Ion:146 Resp: 53
Ion Ratio Lower Upper
146 100
111 3381.1 21.2 63.6#
148 543.4 31.9 95.9#

