

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092024\
 Data File : VN084062.D
 Acq On : 20 Sep 2024 11:32
 Operator : JC\MD
 Sample : VN0920WBL02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 20 23:24:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 06 23:42:47 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.812	128	26253	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	138726	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	123322	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	72412	30.175	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.600%			
60) 4-Bromofluorobenzene	12.847	95	52472	24.688	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 82.300%			
63) Toluene-d8	10.565	98	170991	29.945	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.800%			
Target Compounds						
					Qvalue	
36) 1,2-Dichloroethane	9.100	62	5670	2.284	ug/l #	72
50) 1,1,2-Trichloroethane	10.571	97	5707	3.860	ug/l #	1
58) 4-Methyl-2-Pentanone	10.565	43	1018	0.521	ug/l #	1
72) 1,2,3-Trichloropropane	12.847	75	30975	17.077	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	30975	40.402	ug/l #	12

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

Quant Time: Sep 20 23:24:18 2024
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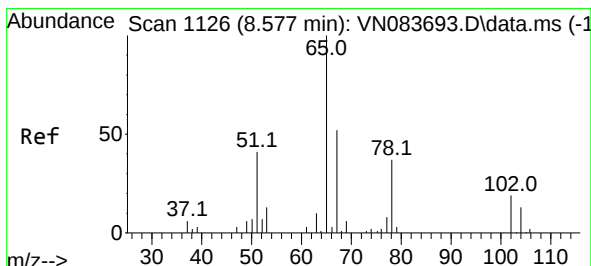
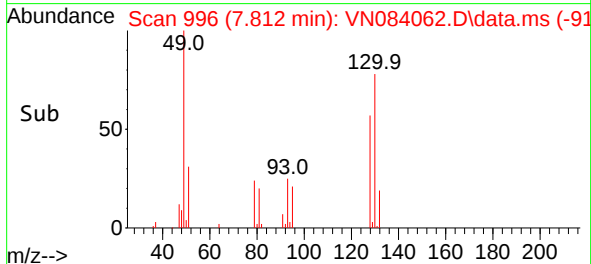
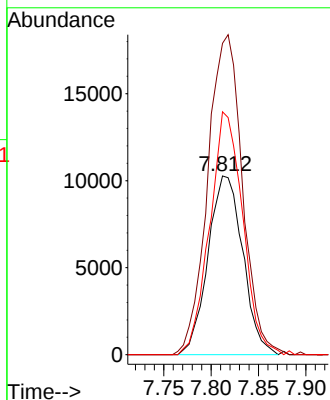
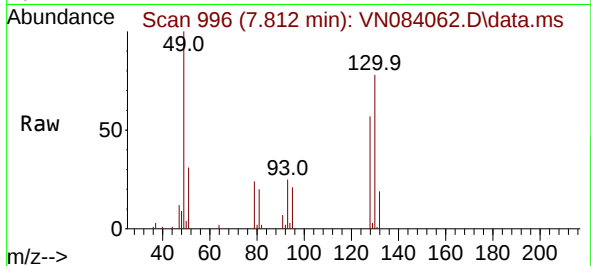




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN084062.D
Acq: 20 Sep 2024 11:32

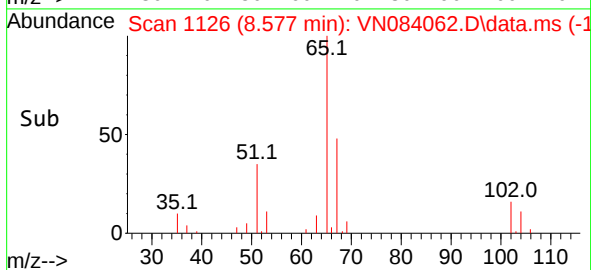
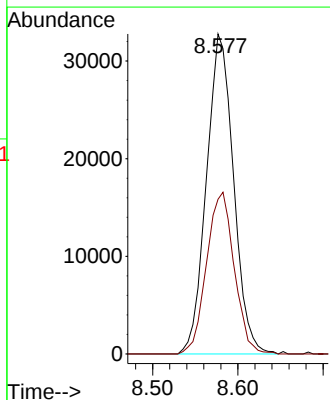
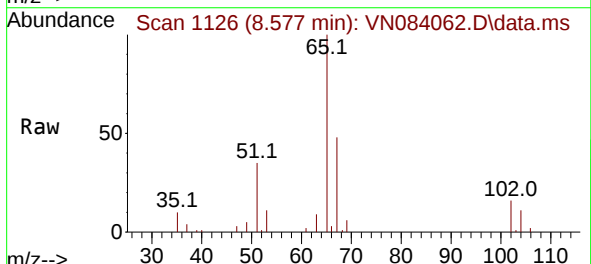
Instrument :
MSVOA_N
ClientSampleId :

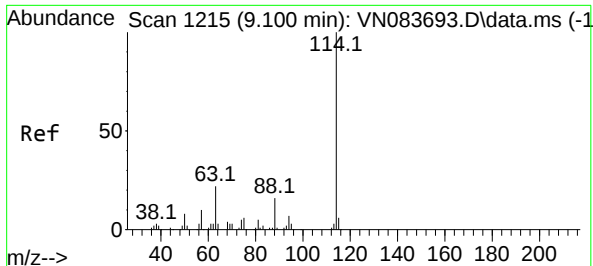
Tgt Ion:128 Resp: 26253
Ion Ratio Lower Upper
128 100
49 178.7 0.0 403.7
130 129.0 0.0 323.3



#27
1,2-Dichloroethane-d4
Concen: 30.175 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN084062.D
Acq: 20 Sep 2024 11:32

Tgt Ion: 65 Resp: 72412
Ion Ratio Lower Upper
65 100
67 51.6 43.2 64.8





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN084062.D

Acq: 20 Sep 2024 11:32

Instrument :

MSVOA_N

ClientSampleId :

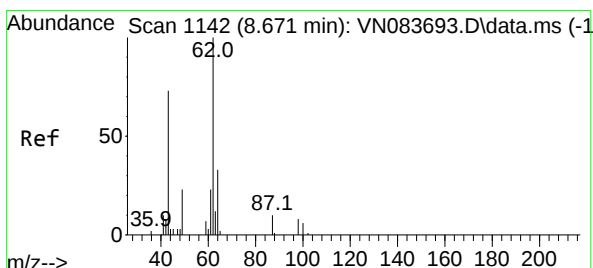
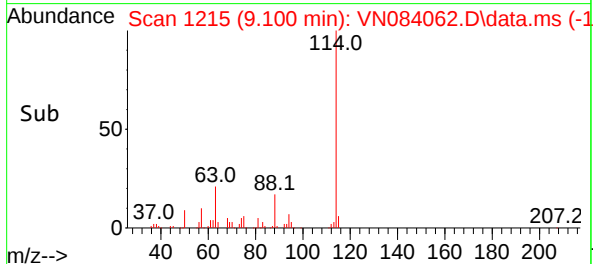
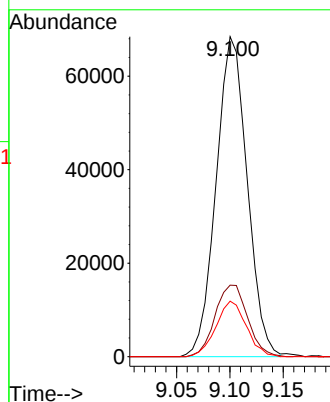
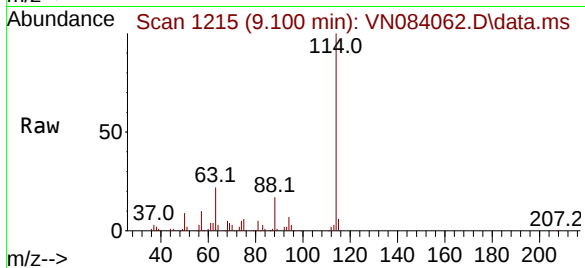
Tgt Ion:114 Resp: 138726

Ion Ratio Lower Upper

114 100

63 23.4 15.9 23.9

88 17.0 12.7 19.1



#36

1,2-Dichloroethane

Concen: 2.284 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.429 min

Lab File: VN084062.D

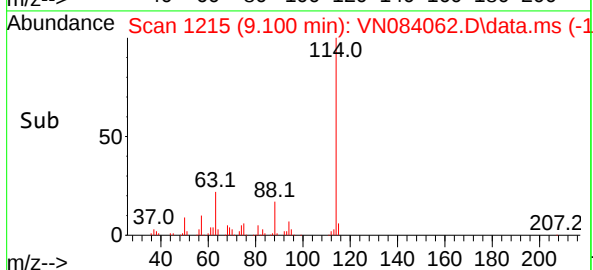
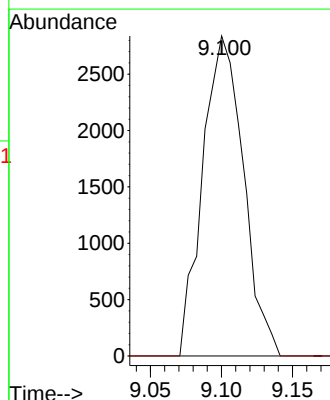
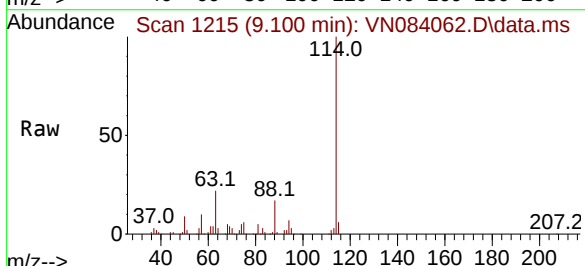
Acq: 20 Sep 2024 11:32

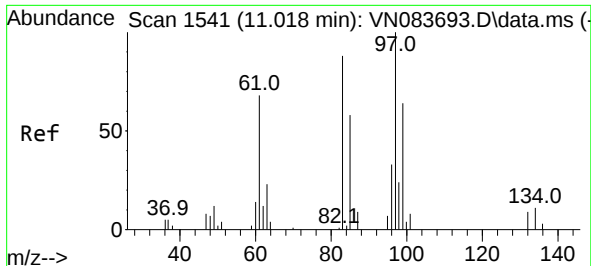
Tgt Ion: 62 Resp: 5670

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.4#





#50

1,1,2-Trichloroethane

Concen: 3.860 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.447 min

Lab File: VN084062.D

Acq: 20 Sep 2024 11:32

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 97 Resp: 5707

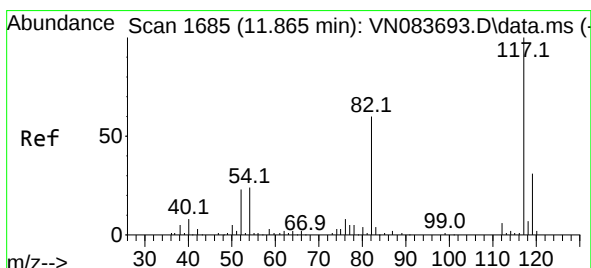
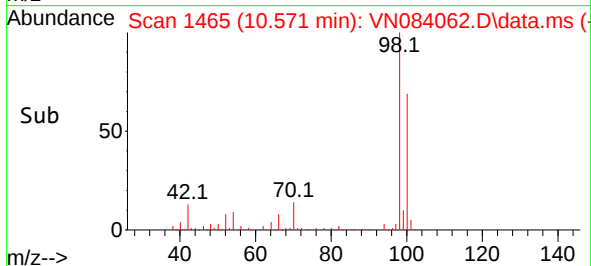
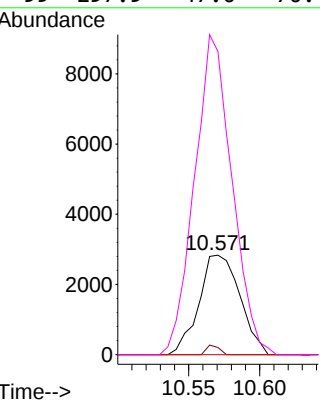
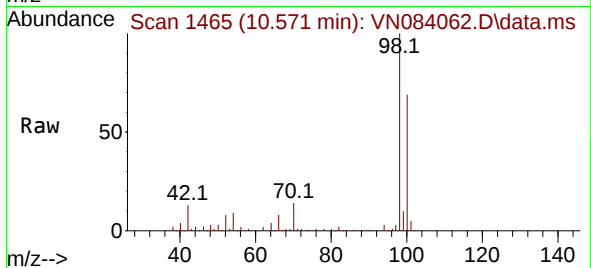
Ion Ratio Lower Upper

97 100

83 7.3 68.1 102.1#

85 0.0 41.8 62.6#

99 297.9 47.0 70.4#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VN084062.D

Acq: 20 Sep 2024 11:32

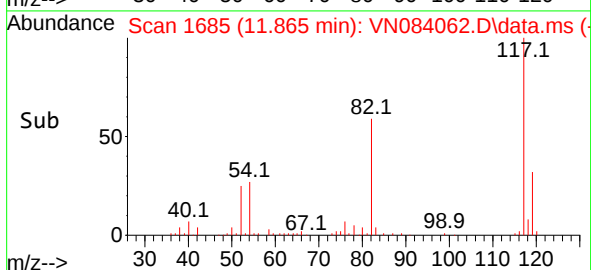
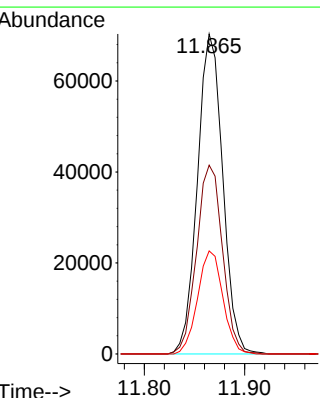
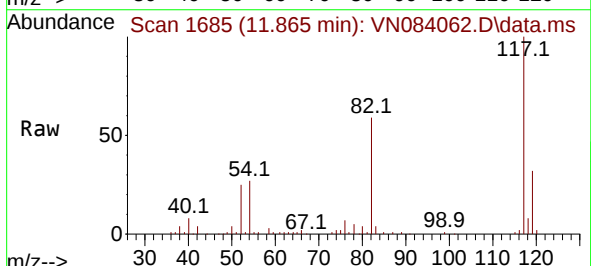
Tgt Ion: 117 Resp: 123322

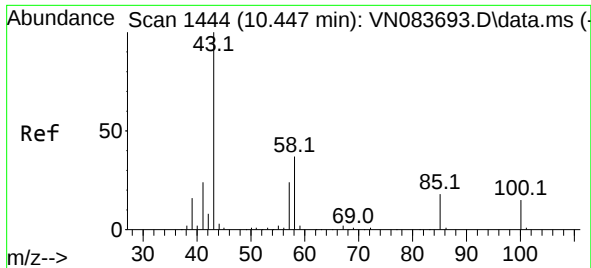
Ion Ratio Lower Upper

117 100

82 60.3 46.6 69.8

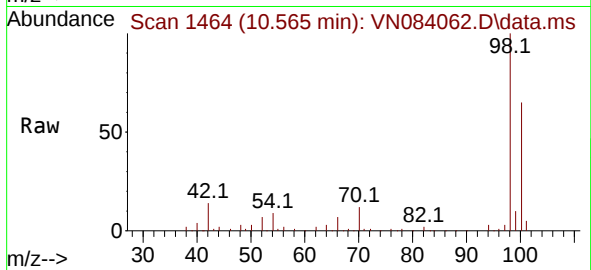
119 32.1 25.4 38.2



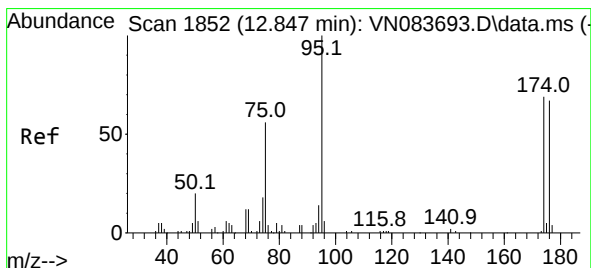
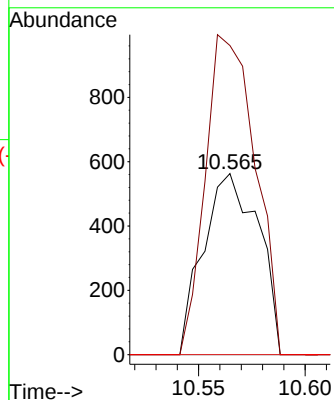
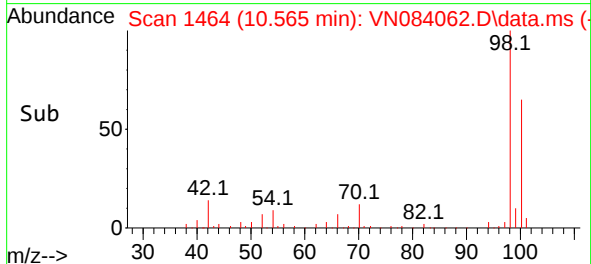


#58
4-Methyl-2-Pentanone
Concen: 0.521 ug/l
RT: 10.565 min Scan# 1444
Delta R.T. 0.118 min
Lab File: VN084062.D
Acq: 20 Sep 2024 11:32

Instrument :
MSVOA_N
ClientSampleId :

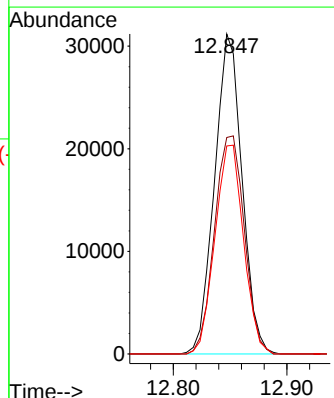
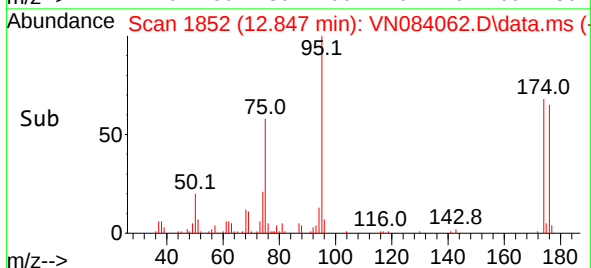
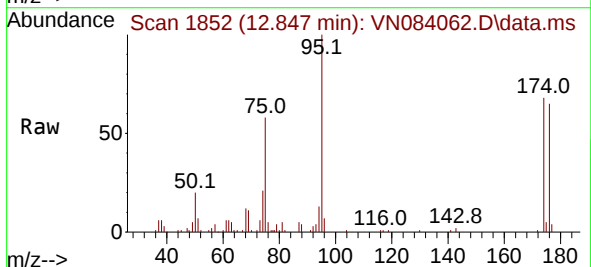


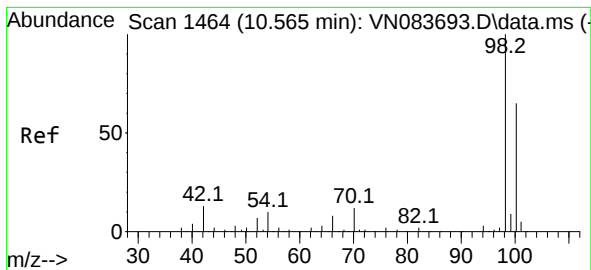
Tgt Ion: 43 Resp: 1018
Ion Ratio Lower Upper
43 100
58 159.0 36.5 54.7#
85 0.0 19.5 29.3#



#60
4-Bromofluorobenzene
Concen: 24.688 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084062.D
Acq: 20 Sep 2024 11:32

Tgt Ion: 95 Resp: 52472
Ion Ratio Lower Upper
95 100
174 73.9 60.5 90.7
176 68.0 57.8 86.6





#63

Toluene-d8

Concen: 29.945 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN084062.D

Acq: 20 Sep 2024 11:32

Instrument :

MSVOA_N

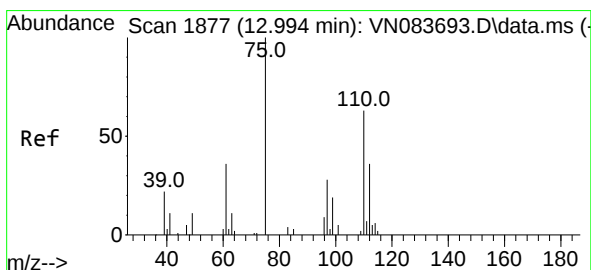
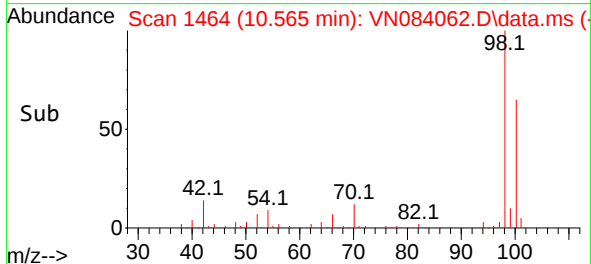
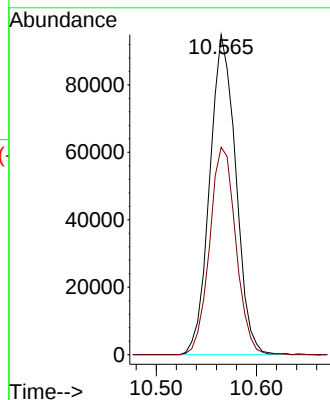
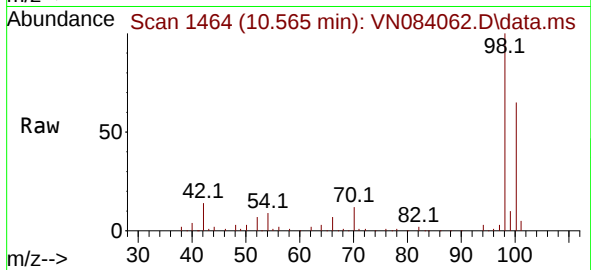
ClientSampleId :

Tgt Ion: 98 Resp: 170991

Ion Ratio Lower Upper

98 100

100 65.2 52.7 79.1



#72

1,2,3-Trichloropropane

Concen: 17.077 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN084062.D

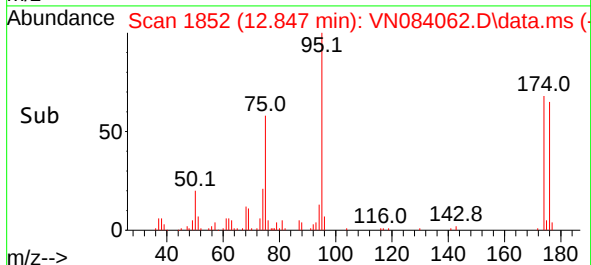
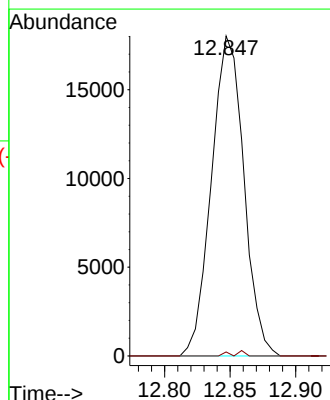
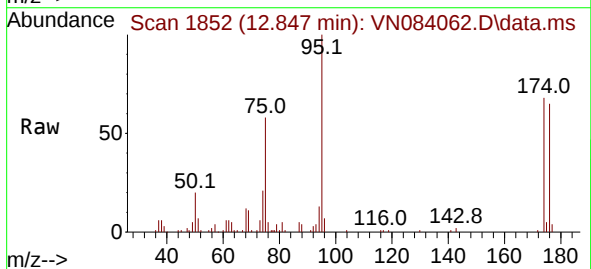
Acq: 20 Sep 2024 11:32

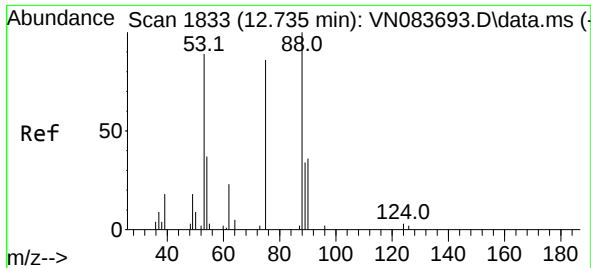
Tgt Ion: 75 Resp: 30975

Ion Ratio Lower Upper

75 100

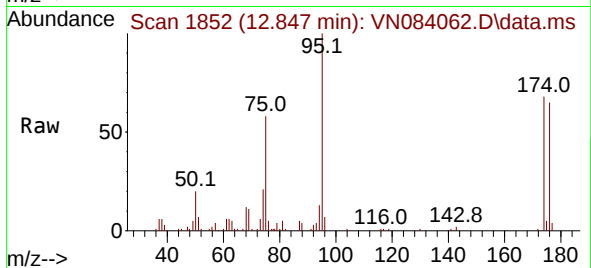
77 0.3 0.0 367.6





#77
t-1,4-Dichloro-2-butene
Concen: 40.402 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN084062.D
Acq: 20 Sep 2024 11:32

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	45.9	137.7#
89	0.0	25.9	77.7#

