

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100124\
 Data File : VN084252.D
 Acq On : 01 Oct 2024 20:18
 Operator : JC\MD
 Sample : P4226-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT172S1-20240924

Quant Time: Oct 02 02:08:44 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)

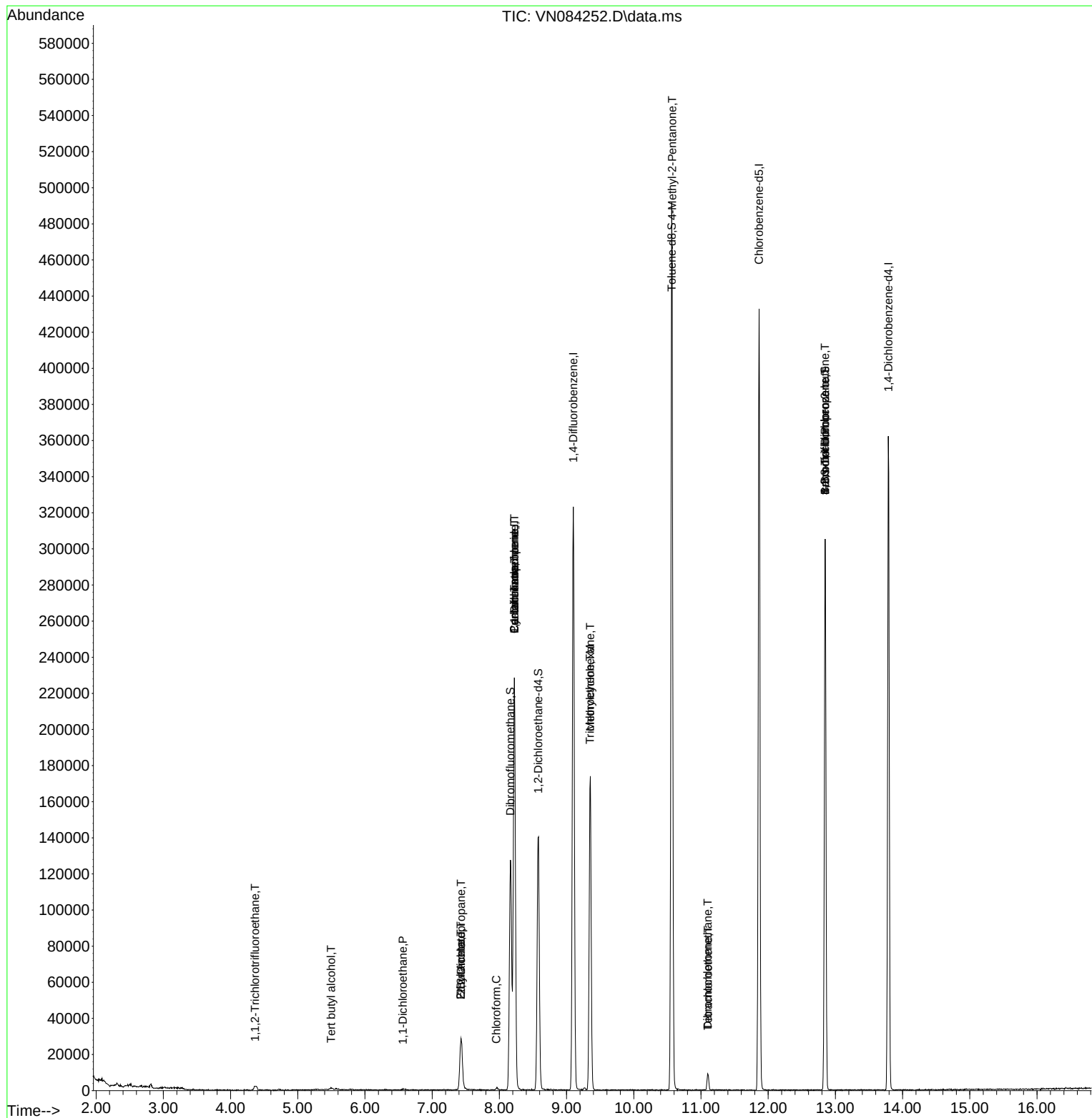
Internal Standards						
1) Pentafluorobenzene	8.224	168	158028	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	278427	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	237271	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	95244	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	119400	50.959	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.920%			
35) Dibromofluoromethane	8.165	113	91260	49.718	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.440%			
50) Toluene-d8	10.565	98	334780	49.573	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.140%			
62) 4-Bromofluorobenzene	12.847	95	104708	42.560	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 85.120%			
Target Compounds					Qvalue	
9) 1,1,2-Trichlorotrifluo...	4.365	101	915	0.496	ug/l #	60
11) Tert butyl alcohol	5.494	59	1014	2.625	ug/l #	73
24) 1,1-Dichloroethane	6.565	63	1117	0.312	ug/l #	83
25) 2-Butanone	7.424	43	1238	0.903	ug/l #	48
26) 2,2-Dichloropropane	7.430	77	1572	0.488	ug/l #	54
30) Chloroform	7.953	83	1340	0.361	ug/l	84
31) Cyclohexane	8.224	56	3745	1.079	ug/l #	30
36) 1,1-Dichloropropene	8.224	75	13785	5.170	ug/l #	51
37) Ethyl Acetate	7.424	43	1238	0.453	ug/l #	1
38) Carbon Tetrachloride	8.224	117	17068	5.836	ug/l #	16
39) Methylcyclohexane	9.353	83	800	0.270	ug/l #	1
44) Trichloroethene	9.347	130	62673	32.302	ug/l	99
51) 4-Methyl-2-Pentanone	10.571	43	1515	0.582	ug/l #	1
60) Dibromochloromethane	11.100	129	2153	1.003	ug/l #	11
64) Tetrachloroethene	11.106	164	2387	1.444	ug/l	90
71) Bromoform	12.847	173	923	0.692	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	57613	29.630	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	57613	71.036	ug/l #	11

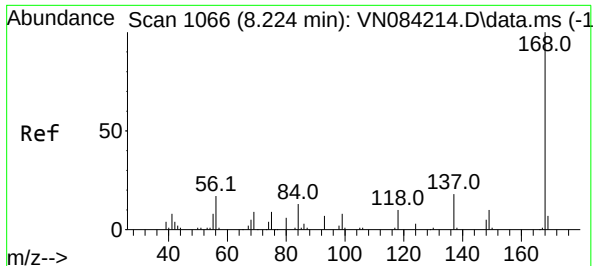
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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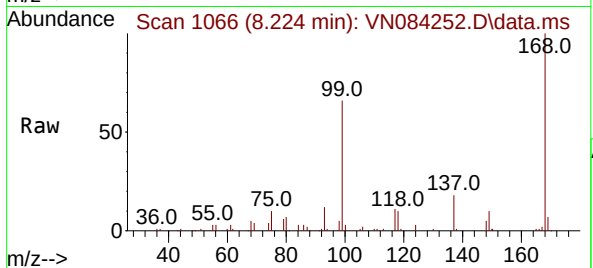
Quant Time: Oct 02 02:08:44 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
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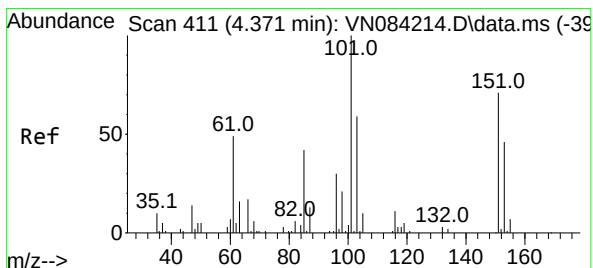
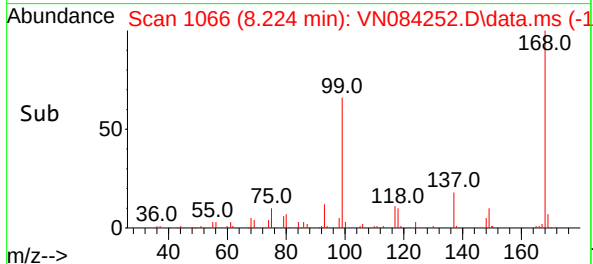
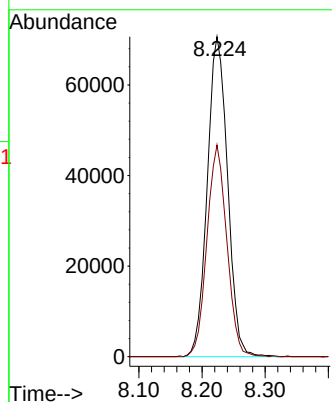


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084252.D
Acq: 01 Oct 2024 20:18

Instrument :
MSVOA_N
ClientSampleId :
TT172S1-20240924

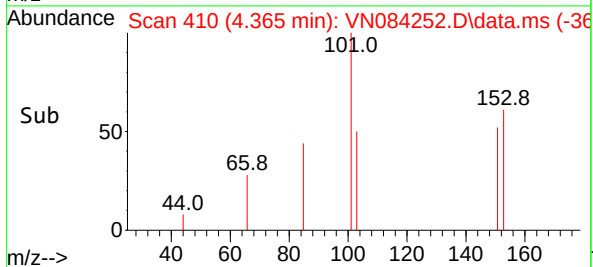
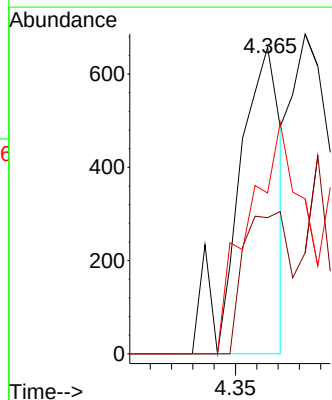
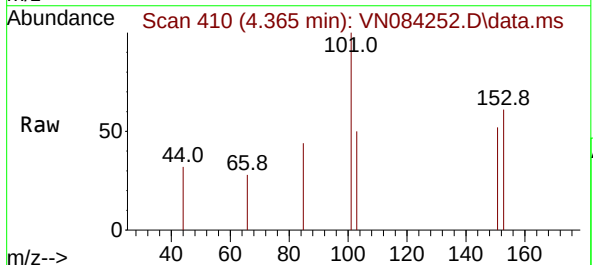


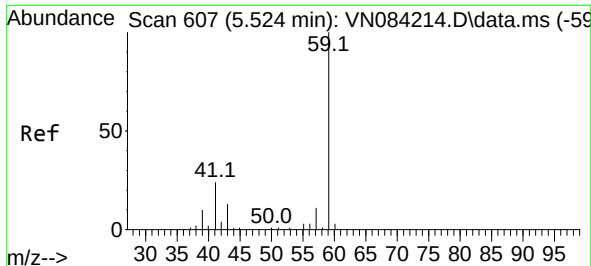
Tgt Ion:168 Resp: 158028
Ion Ratio Lower Upper
168 100
99 66.1 54.2 81.2



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.496 ug/l
RT: 4.365 min Scan# 410
Delta R.T. -0.006 min
Lab File: VN084252.D
Acq: 01 Oct 2024 20:18

Tgt Ion:101 Resp: 915
Ion Ratio Lower Upper
101 100
85 49.5 36.2 54.4
151 125.0 59.3 88.9#

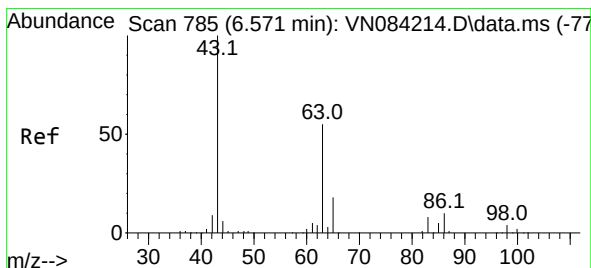
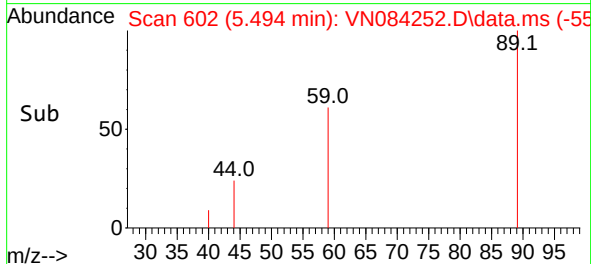
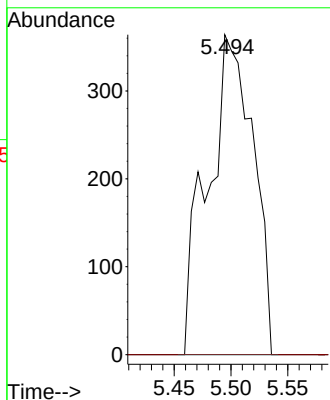
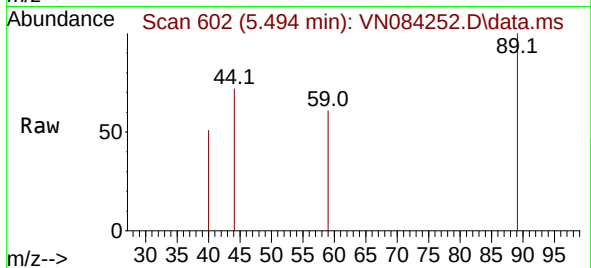




#11
Tert butyl alcohol
Concen: 2.625 ug/l
RT: 5.494 min Scan# 607
Delta R.T. -0.029 min
Lab File: VN084252.D
Acq: 01 Oct 2024 20:18

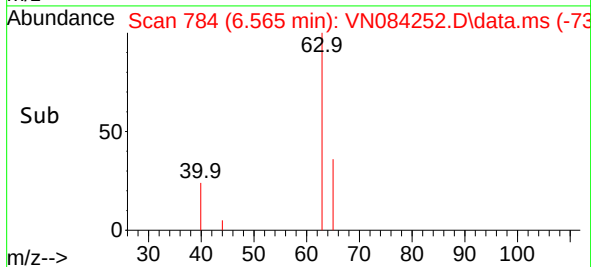
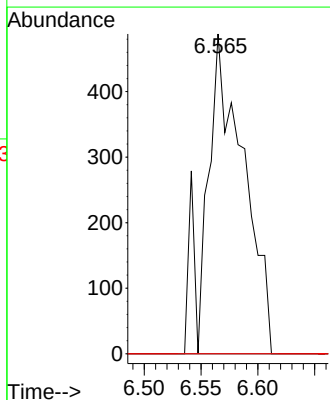
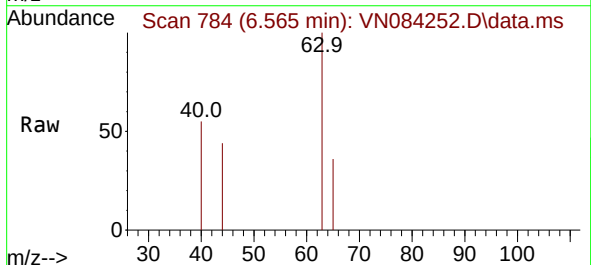
Instrument :
MSVOA_N
ClientSampleId :
TT172S1-20240924

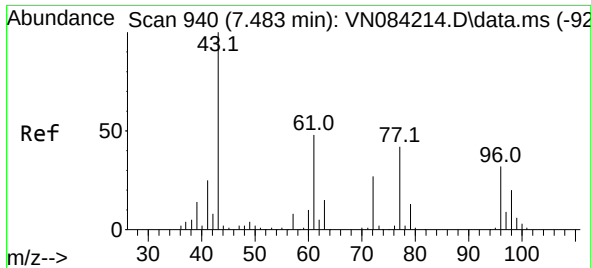
Tgt Ion: 59 Resp: 1014
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#24
1,1-Dichloroethane
Concen: 0.312 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084252.D
Acq: 01 Oct 2024 20:18

Tgt Ion: 63 Resp: 1117
Ion Ratio Lower Upper
63 100
98 0.0 3.4 10.2#
100 0.0 2.0 5.8#

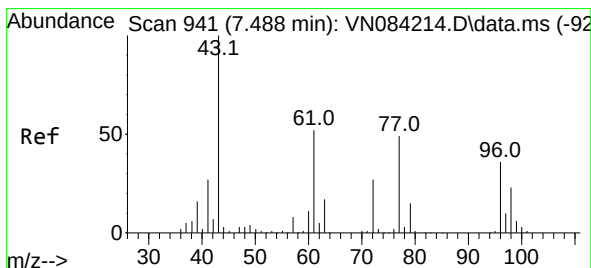
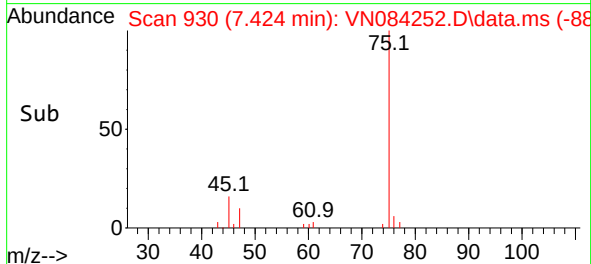
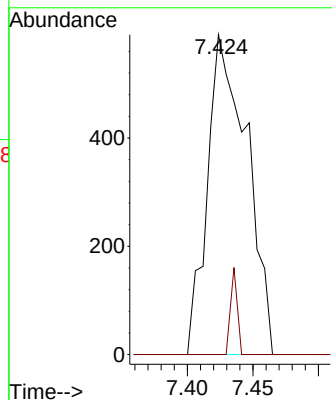
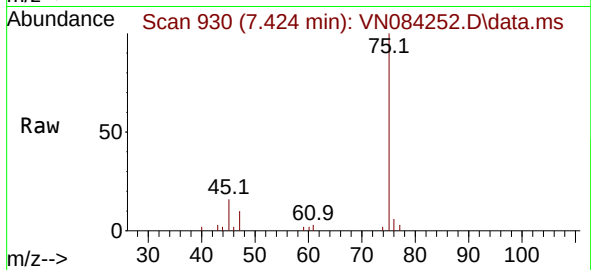




#25
2-Butanone
Concen: 0.903 ug/l
RT: 7.424 min Scan# 911
Delta R.T. -0.059 min
Lab File: VN084252.D
Acq: 01 Oct 2024 20:18

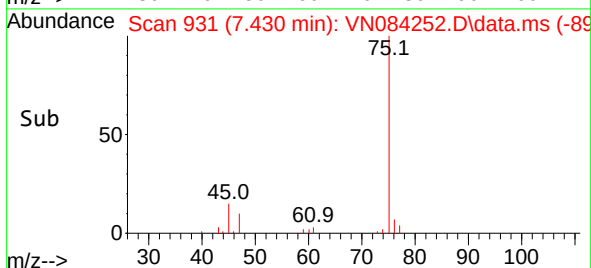
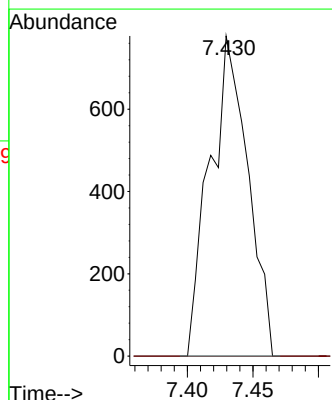
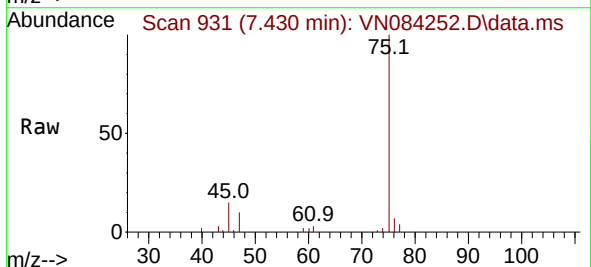
Instrument :
MSVOA_N
ClientSampleId :
TT172S1-20240924

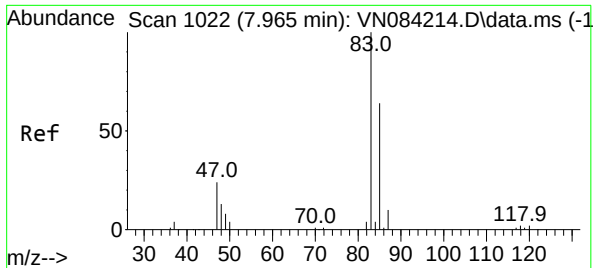
Tgt Ion: 43 Resp: 1238
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.2#



#26
2,2-Dichloropropane
Concen: 0.488 ug/l
RT: 7.430 min Scan# 931
Delta R.T. -0.059 min
Lab File: VN084252.D
Acq: 01 Oct 2024 20:18

Tgt Ion: 77 Resp: 1572
Ion Ratio Lower Upper
77 100
97 0.0 10.8 32.3#

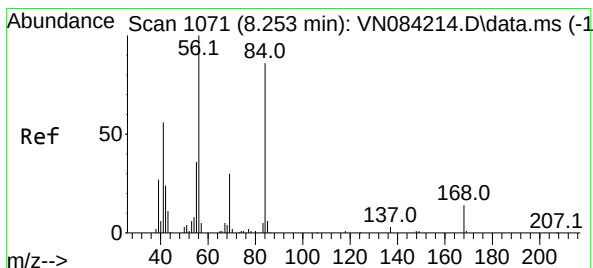
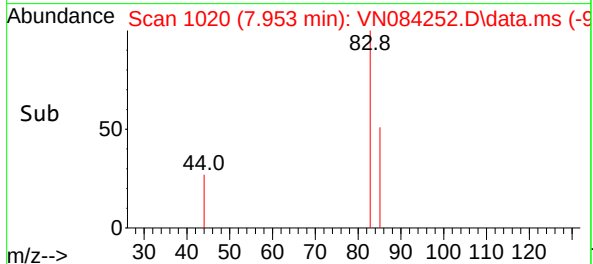
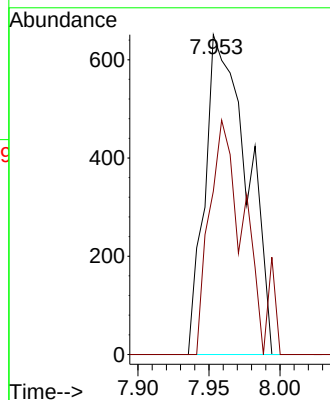
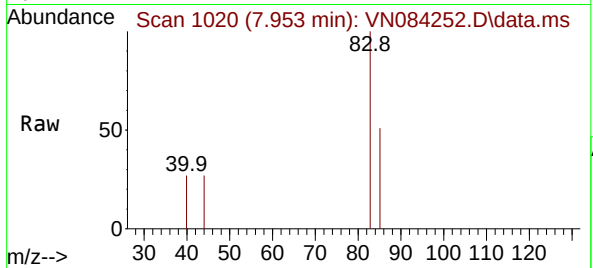




#30
Chloroform
Concen: 0.361 ug/l
RT: 7.953 min Scan# 1066
Delta R.T. -0.012 min
Lab File: VN084252.D
Acq: 01 Oct 2024 20:18

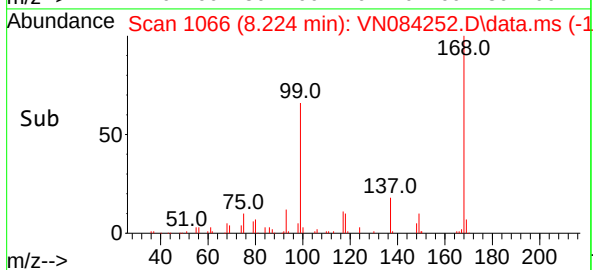
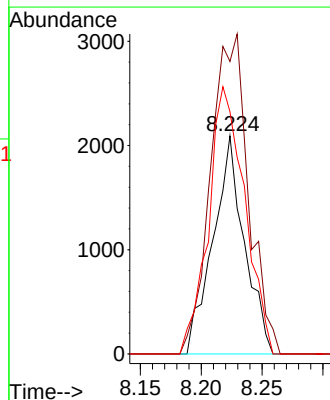
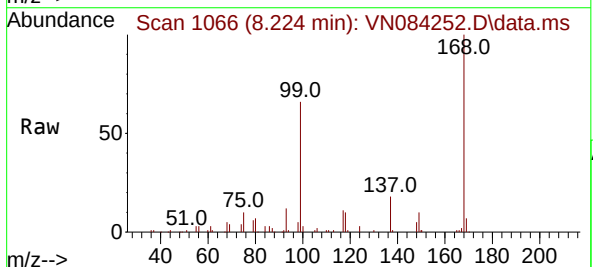
Instrument :
MSVOA_N
ClientSampleId :
TT172S1-20240924

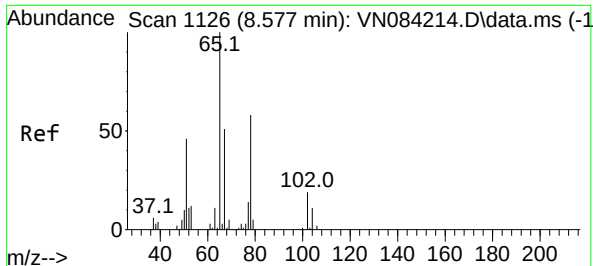
Tgt Ion: 83 Resp: 1340
Ion Ratio Lower Upper
83 100
85 51.0 51.0 76.4



#31
Cyclohexane
Concen: 1.079 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN084252.D
Acq: 01 Oct 2024 20:18

Tgt Ion: 56 Resp: 3745
Ion Ratio Lower Upper
56 100
69 134.1 23.8 35.6#
84 111.0 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 50.959 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN084252.D

Acq: 01 Oct 2024 20:18

Instrument :

MSVOA_N

ClientSampleId :

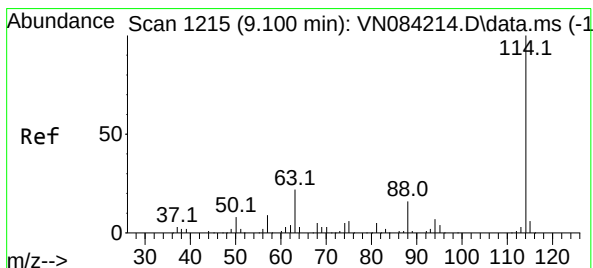
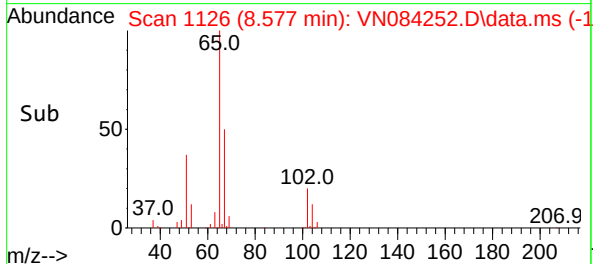
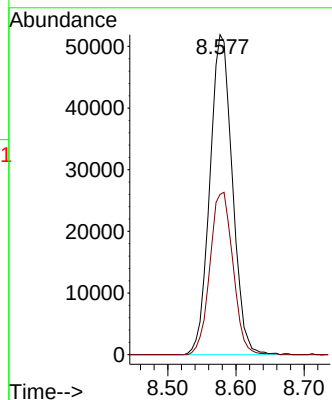
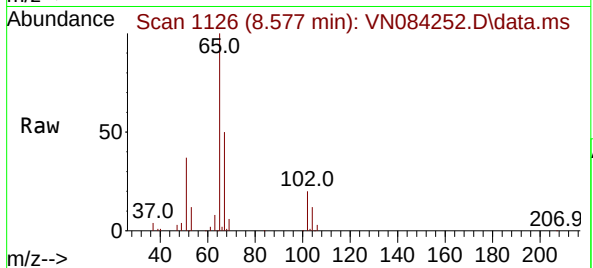
TT172S1-20240924

Tgt Ion: 65 Resp: 119400

Ion Ratio Lower Upper

65 100

67 51.9 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: VN084252.D

Acq: 01 Oct 2024 20:18

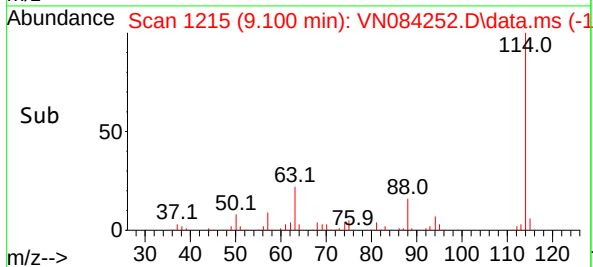
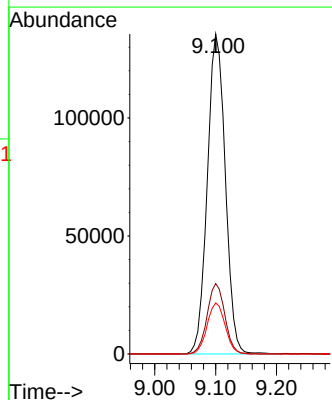
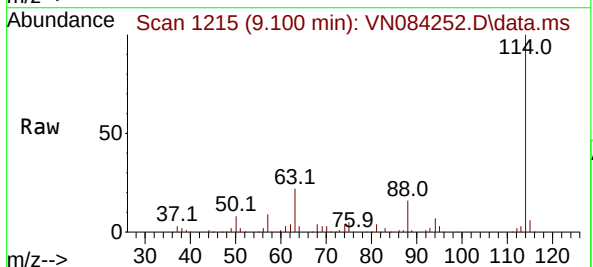
Tgt Ion: 114 Resp: 278427

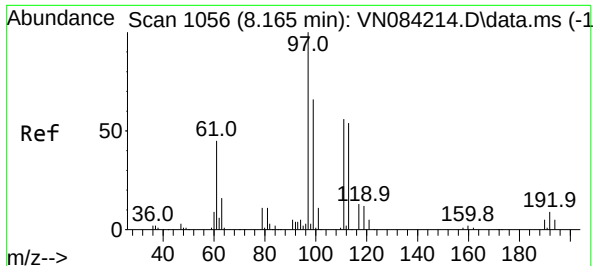
Ion Ratio Lower Upper

114 100

63 22.0 0.0 43.8

88 16.0 0.0 31.6





#35

Dibromofluoromethane

Concen: 49.718 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN084252.D

Acq: 01 Oct 2024 20:18

Instrument :

MSVOA_N

ClientSampleId :

TT172S1-20240924

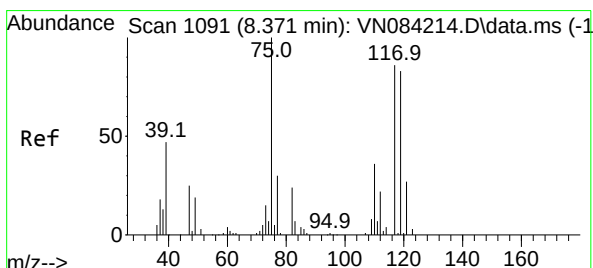
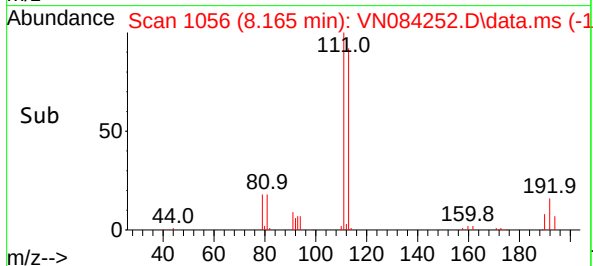
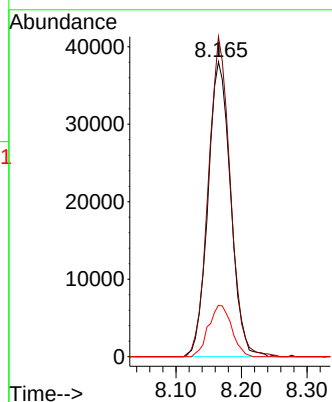
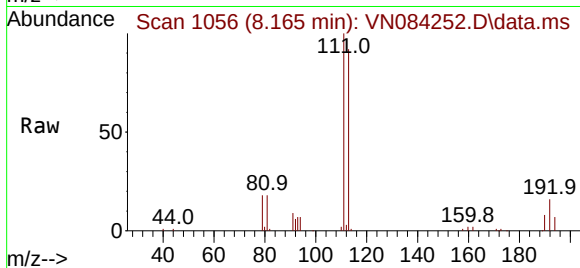
Tgt Ion:113 Resp: 91260

Ion Ratio Lower Upper

113 100

111 104.9 83.3 124.9

192 17.8 13.5 20.3



#36

1,1-Dichloropropene

Concen: 5.170 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN084252.D

Acq: 01 Oct 2024 20:18

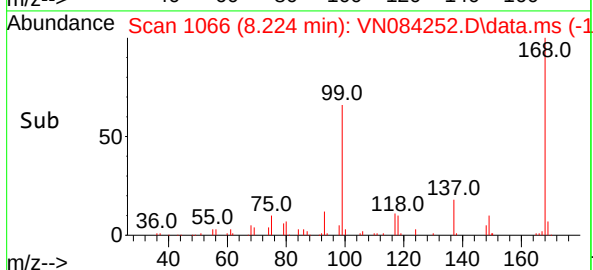
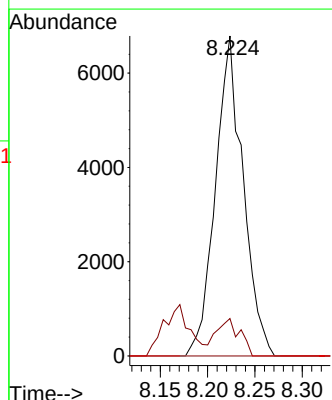
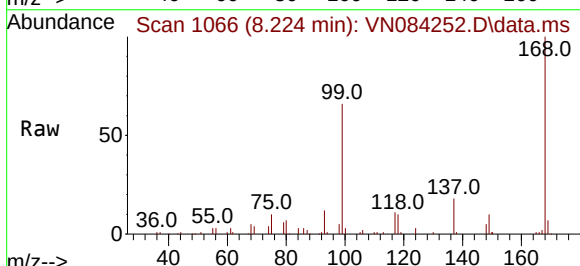
Tgt Ion: 75 Resp: 13785

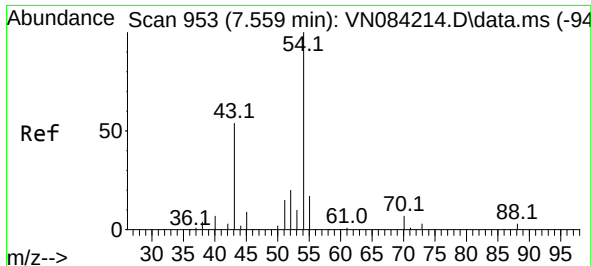
Ion Ratio Lower Upper

75 100

110 9.7 16.9 50.7#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.453 ug/l

RT: 7.424 min Scan# 91

Delta R.T. -0.135 min

Lab File: VN084252.D

Acq: 01 Oct 2024 20:18

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TT172S1-20240924

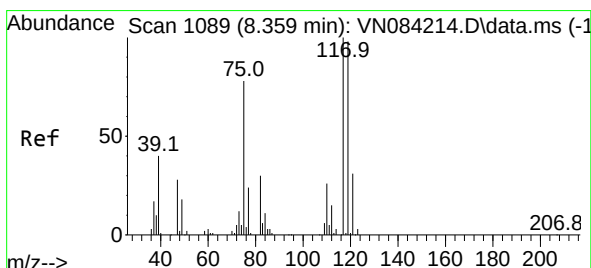
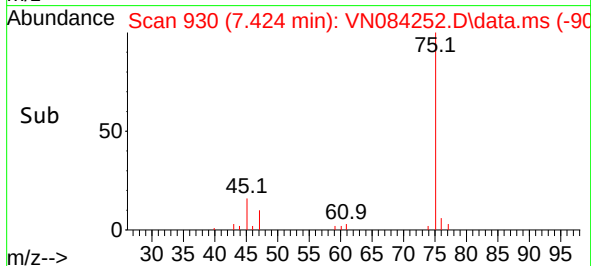
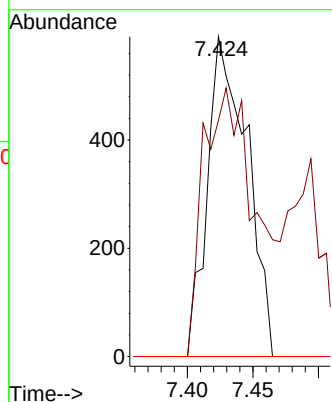
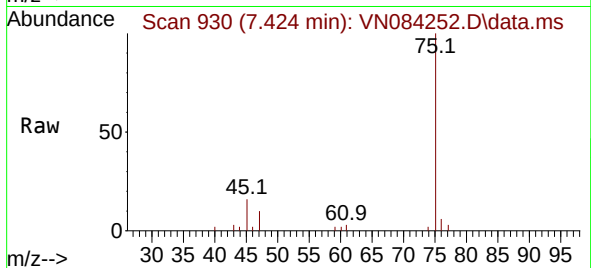
Tgt Ion: 43 Resp: 1238

Ion Ratio Lower Upper

43 100

61 113.5 10.7 16.1#

70 0.0 8.8 13.2#



#38

Carbon Tetrachloride

Concen: 5.836 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN084252.D

Acq: 01 Oct 2024 20:18

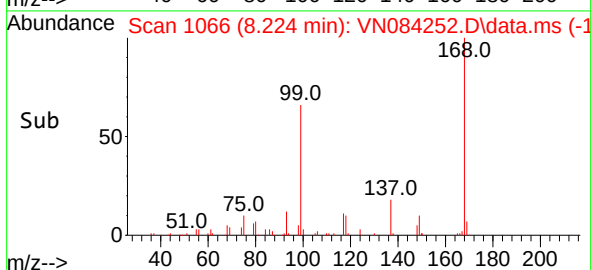
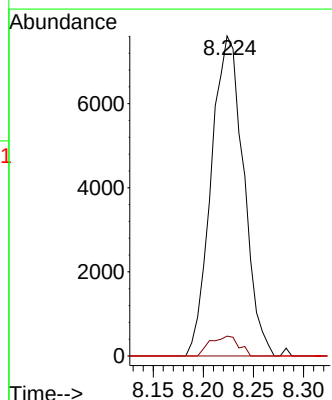
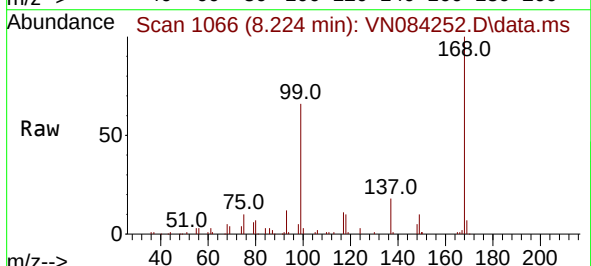
Tgt Ion: 117 Resp: 17068

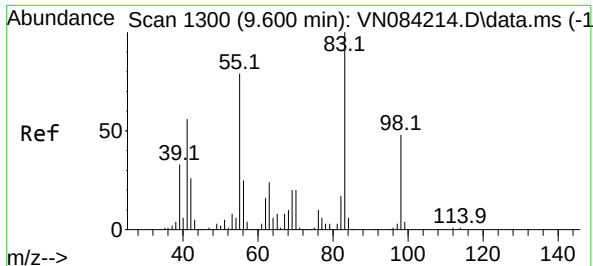
Ion Ratio Lower Upper

117 100

119 6.2 78.7 118.1#

121 0.0 24.4 36.6#





#39

Methylcyclohexane

Concen: 0.270 ug/l

RT: 9.353 min Scan# 11

Delta R.T. -0.247 min

Lab File: VN084252.D

Acq: 01 Oct 2024 20:18

Instrument :

MSVOA_N

ClientSampleId :

TT172S1-20240924

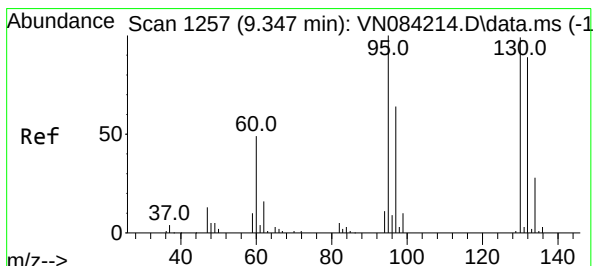
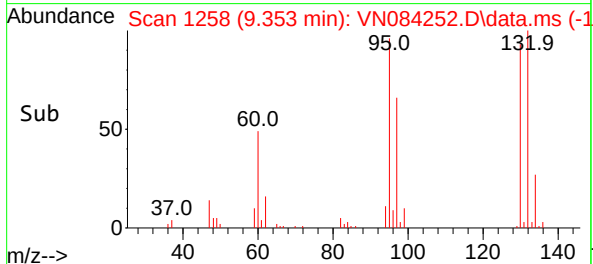
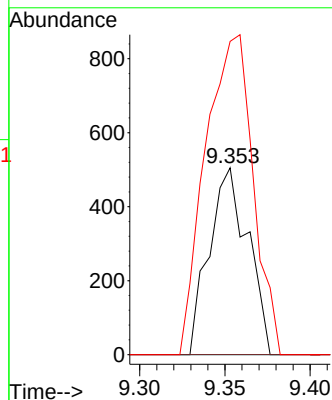
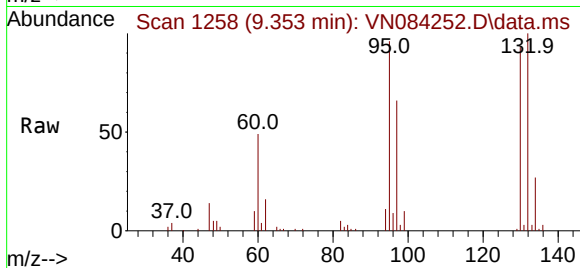
Tgt Ion: 83 Resp: 800

Ion Ratio Lower Upper

83 100

55 0.0 62.8 94.2#

98 167.7 38.8 58.2#



#44

Trichloroethene

Concen: 32.302 ug/l

RT: 9.347 min Scan# 1257

Delta R.T. -0.000 min

Lab File: VN084252.D

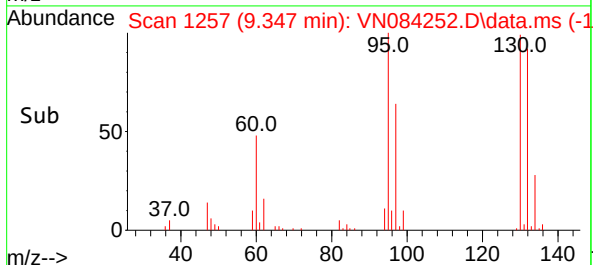
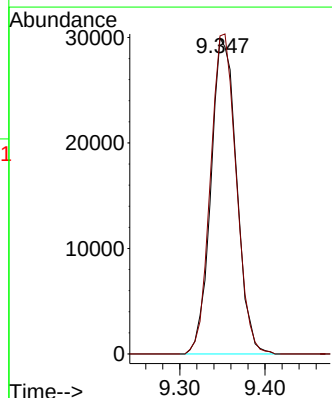
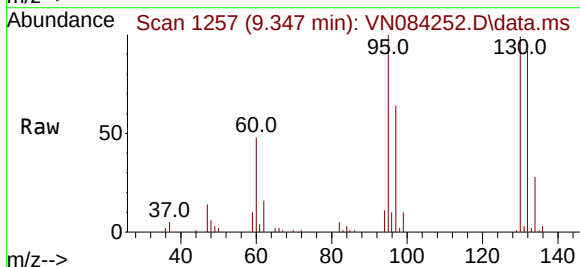
Acq: 01 Oct 2024 20:18

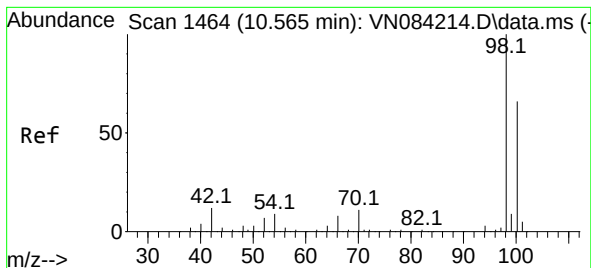
Tgt Ion:130 Resp: 62673

Ion Ratio Lower Upper

130 100

95 100.8 0.0 203.0





#50

Toluene-d8

Concen: 49.573 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084252.D

Acq: 01 Oct 2024 20:18

Instrument :

MSVOA_N

ClientSampleId :

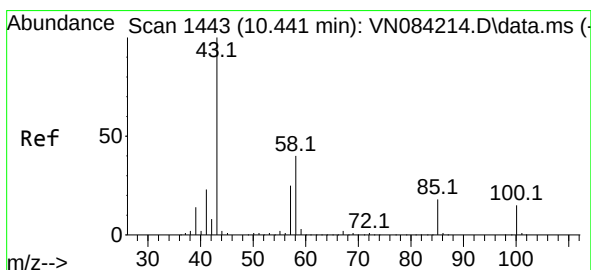
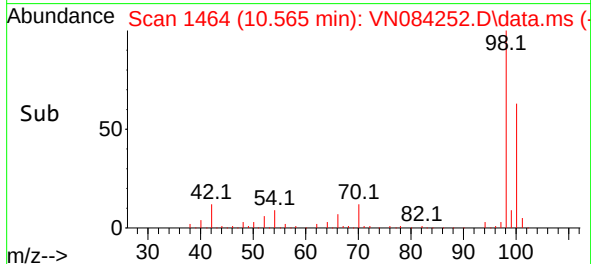
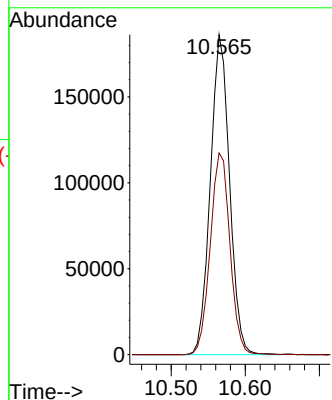
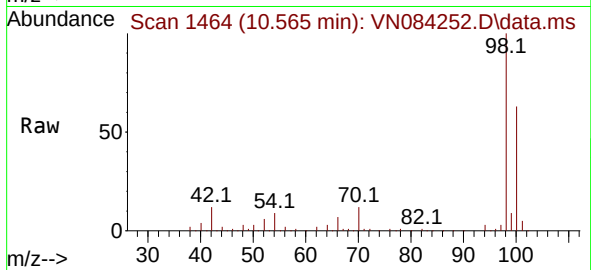
TT172S1-20240924

Tgt Ion: 98 Resp: 334780

Ion Ratio Lower Upper

98 100

100 64.7 52.7 79.1



#51

4-Methyl-2-Pentanone

Concen: 0.582 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.129 min

Lab File: VN084252.D

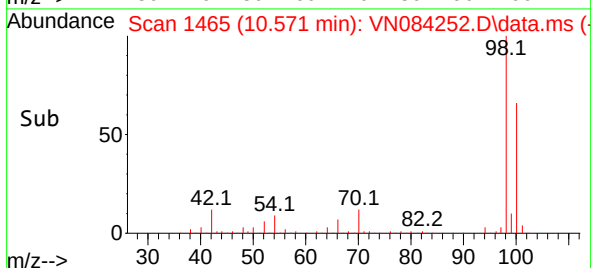
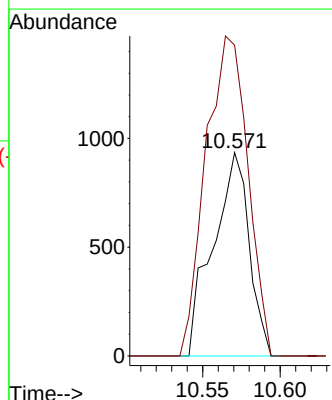
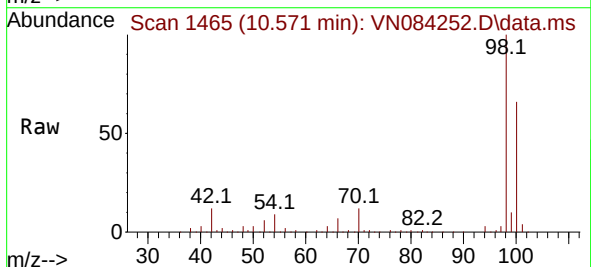
Acq: 01 Oct 2024 20:18

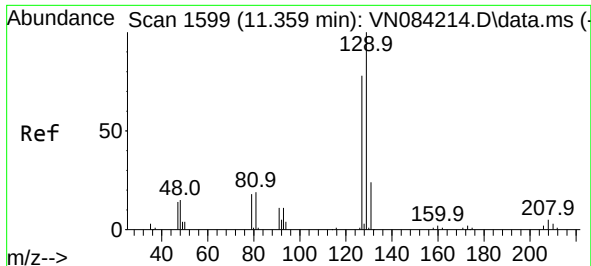
Tgt Ion: 43 Resp: 1515

Ion Ratio Lower Upper

43 100

58 182.8 31.6 47.4#

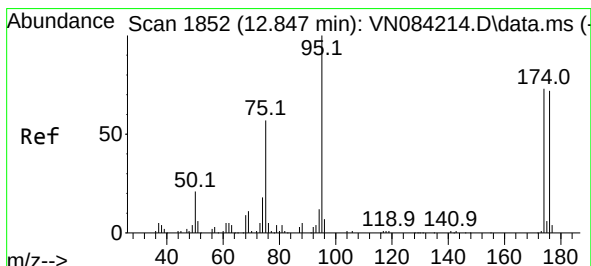
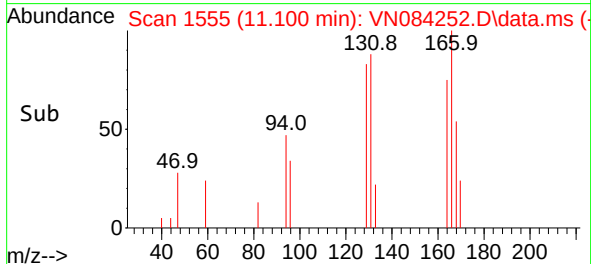
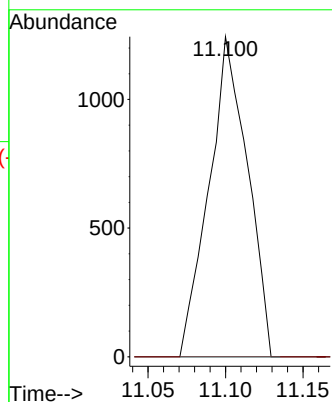
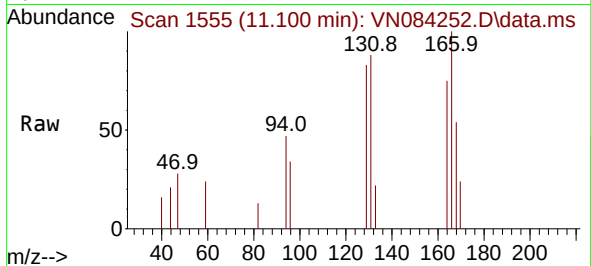




#60
Dibromochloromethane
Concen: 1.003 ug/l
RT: 11.100 min Scan# 11
Delta R.T. -0.259 min
Lab File: VN084252.D
Acq: 01 Oct 2024 20:18

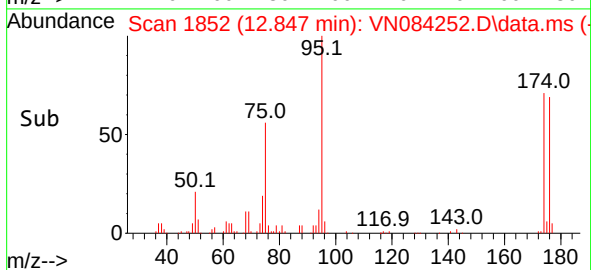
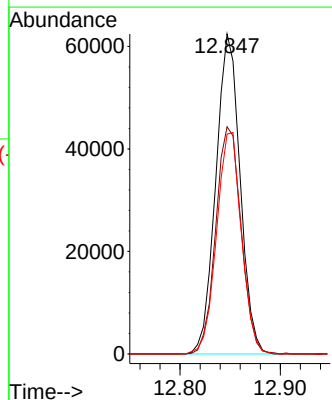
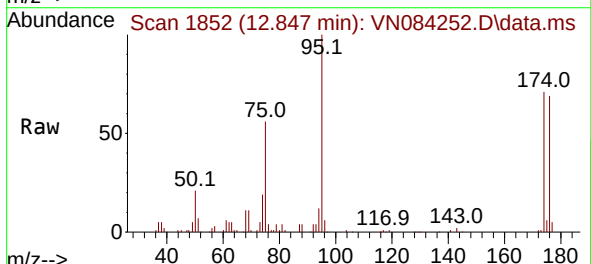
Instrument :
MSVOA_N
ClientSampleId :
TT172S1-20240924

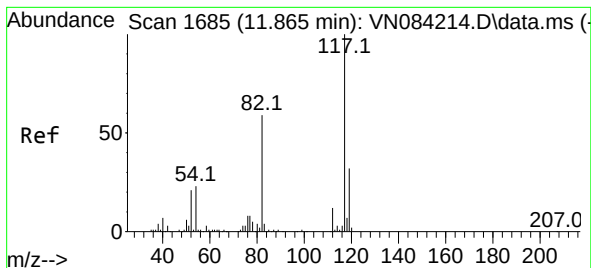
Tgt Ion:129 Resp: 2153
Ion Ratio Lower Upper
129 100
127 0.0 38.3 114.9#



#62
4-Bromofluorobenzene
Concen: 42.560 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084252.D
Acq: 01 Oct 2024 20:18

Tgt Ion: 95 Resp: 104708
Ion Ratio Lower Upper
95 100
174 74.1 0.0 145.2
176 70.8 0.0 140.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN084252.D

Acq: 01 Oct 2024 20:18

Instrument :

MSVOA_N

ClientSampleId :

TT172S1-20240924

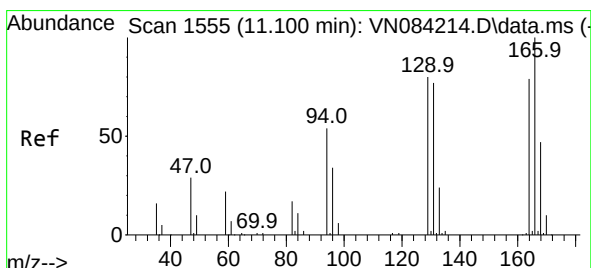
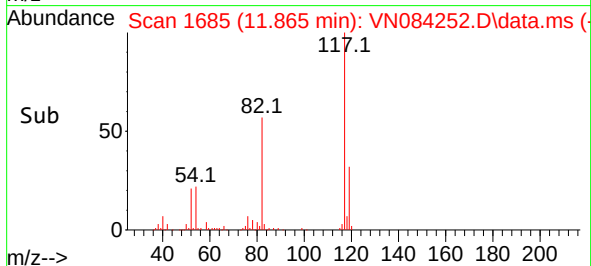
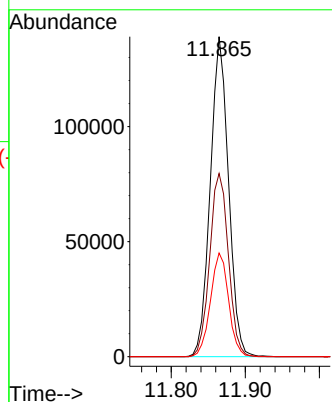
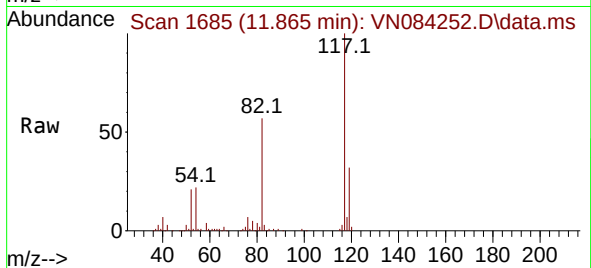
Tgt Ion:117 Resp: 237271

Ion Ratio Lower Upper

117 100

82 57.2 47.2 70.8

119 32.4 25.4 38.0



#64

Tetrachloroethene

Concen: 1.444 ug/l

RT: 11.106 min Scan# 1556

Delta R.T. 0.006 min

Lab File: VN084252.D

Acq: 01 Oct 2024 20:18

Tgt Ion:164 Resp: 2387

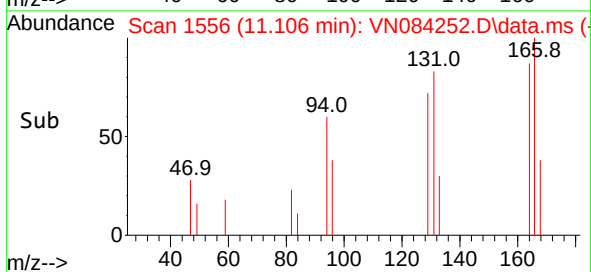
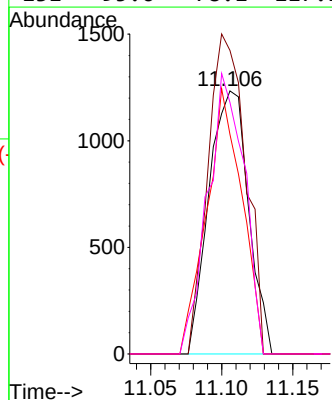
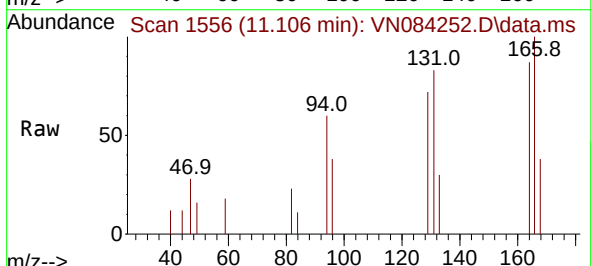
Ion Ratio Lower Upper

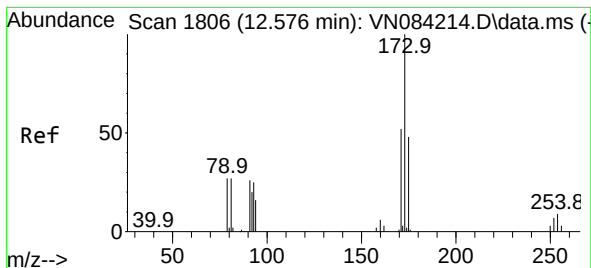
164 100

166 115.4 101.0 151.4

129 83.5 80.8 121.2

131 95.6 78.1 117.1





#71

Bromoform

Concen: 0.692 ug/l

RT: 12.847 min Scan# 1806

Delta R.T. 0.271 min

Lab File: VN084252.D

Acq: 01 Oct 2024 20:18

Instrument :

MSVOA_N

ClientSampleId :

TT172S1-20240924

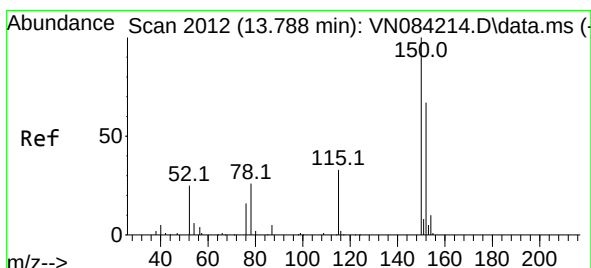
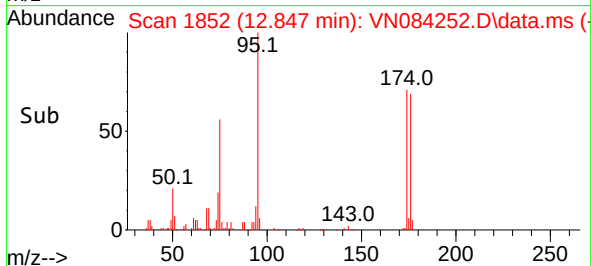
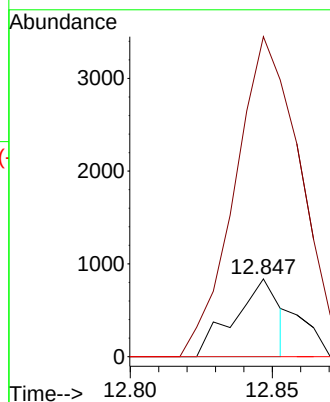
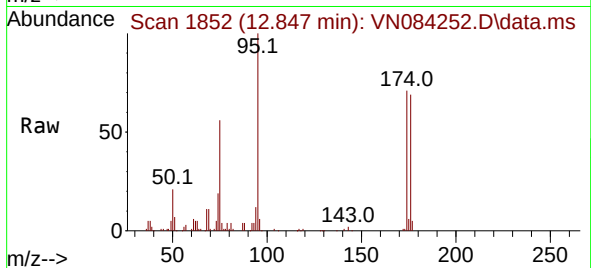
Tgt Ion:173 Resp: 923

Ion Ratio Lower Upper

173 100

175 444.7 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: VN084252.D

Acq: 01 Oct 2024 20:18

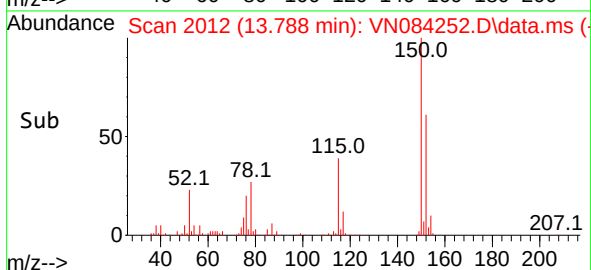
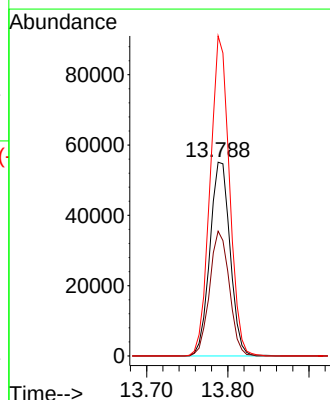
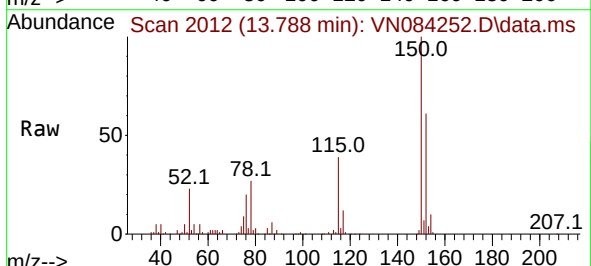
Tgt Ion:152 Resp: 95244

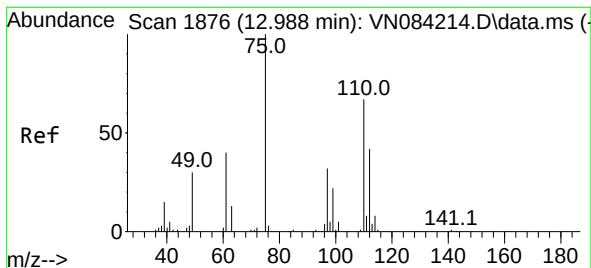
Ion Ratio Lower Upper

152 100

115 62.7 31.3 93.9

150 157.7 0.0 349.8





#76

1,2,3-Trichloropropane

Concen: 29.630 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN084252.D

Acq: 01 Oct 2024 20:18

Instrument :

MSVOA_N

ClientSampleId :

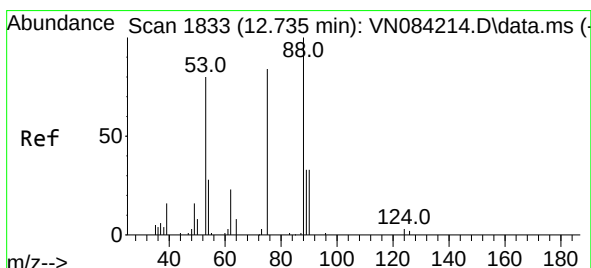
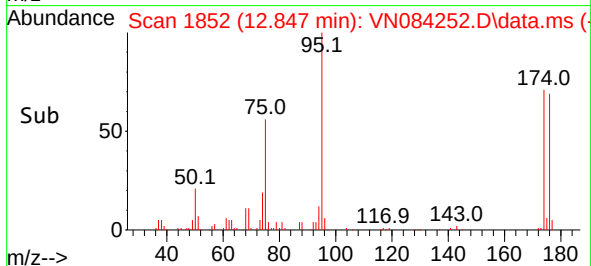
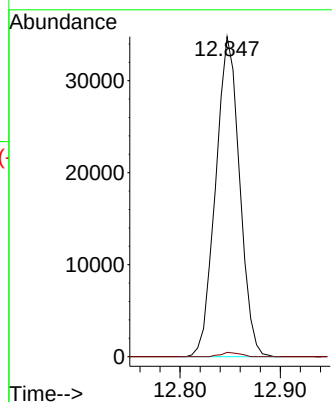
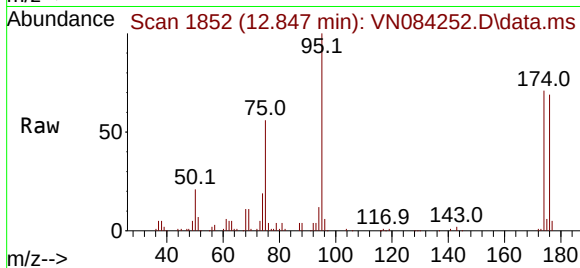
TT172S1-20240924

Tgt Ion: 75 Resp: 57613

Ion Ratio Lower Upper

75 100

77 1.1 96.9 290.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 71.036 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN084252.D

Acq: 01 Oct 2024 20:18

Tgt Ion: 75 Resp: 57613

Ion Ratio Lower Upper

75 100

53 0.0 78.0 117.0#

89 0.0 35.5 53.3#

