

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100424\
 Data File : VN084312.D
 Acq On : 04 Oct 2024 13:33
 Operator : JC\MD
 Sample : P4262-01 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 04 22:58:18 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)

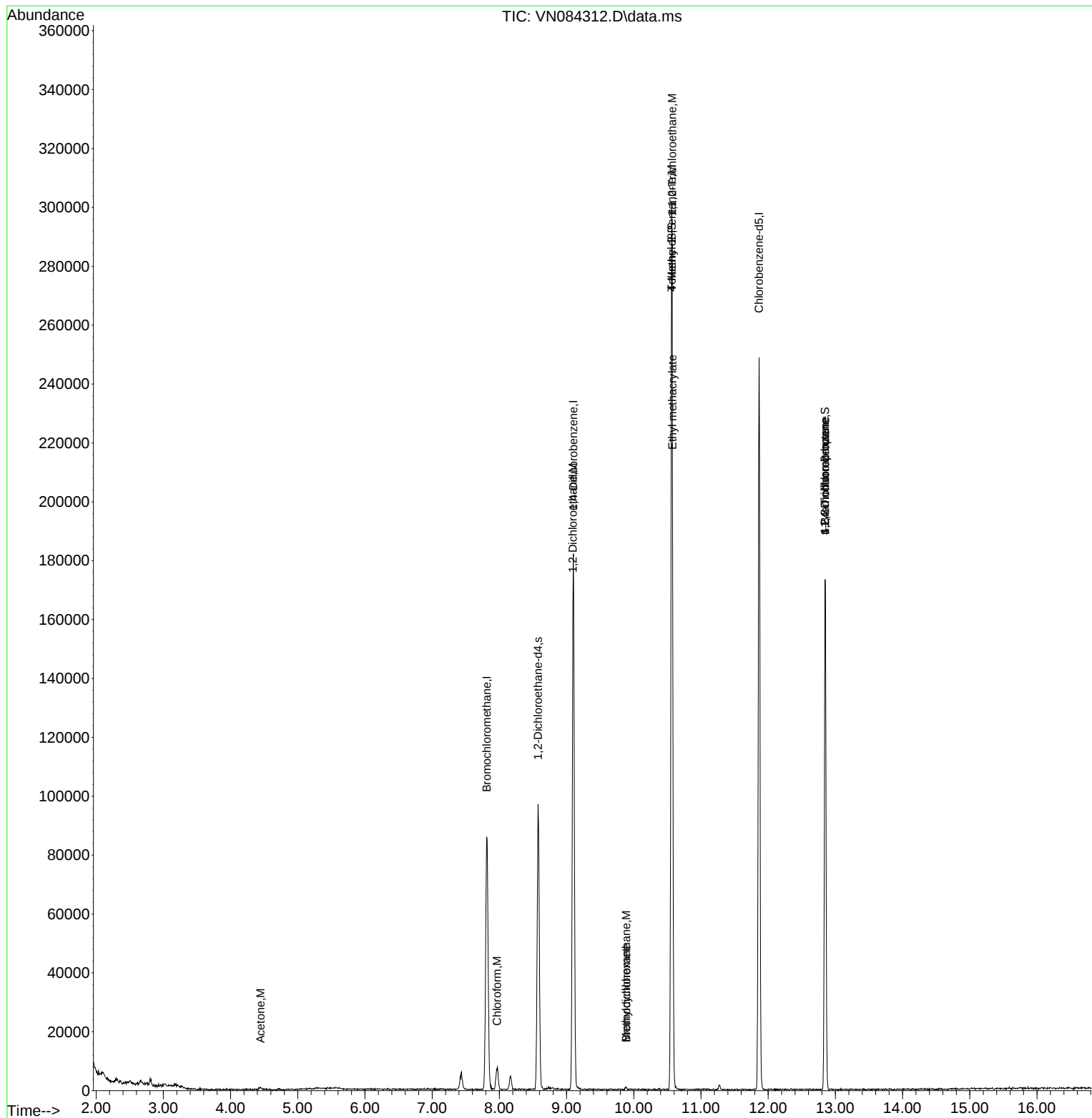
Internal Standards						
1) Bromochloromethane	7.812	128	31106	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	152614	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	143186	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	79875	28.092	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	93.633%
60) 4-Bromofluorobenzene	12.847	95	60197	24.393	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	81.300%
63) Toluene-d8	10.565	98	205301	30.965	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	103.233%
Target Compounds						
					Qvalue	
15) Acetone	4.447	58	240	0.767	ug/l #	1
25) Chloroform	7.965	83	8182	1.975	ug/l #	83
36) 1,2-Dichloroethane	9.094	62	3071	1.125	ug/l #	72
38) Methylcyclohexane	9.888	83	757	0.261	ug/l #	19
41) Bromodichloromethane	9.888	83	757	0.279	ug/l #	77
50) 1,1,2-Trichloroethane	10.571	97	6882	4.231	ug/l #	1
51) Ethyl methacrylate	10.576	69	790	0.284	ug/l #	64
58) 4-Methyl-2-Pentanone	10.565	43	1049	0.462	ug/l #	1
72) 1,2,3-Trichloropropane	12.847	75	31436	14.927	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	31436	35.315	ug/l #	12

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

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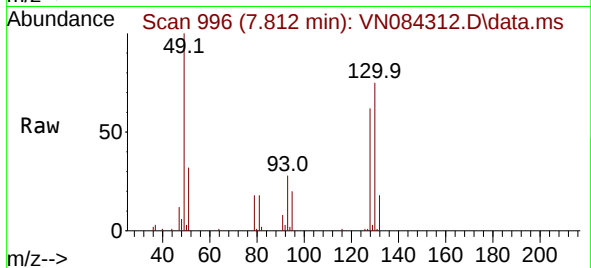
Quant Time: Oct 04 22:58:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 06 23:42:47 2024
Response via : Initial Calibration



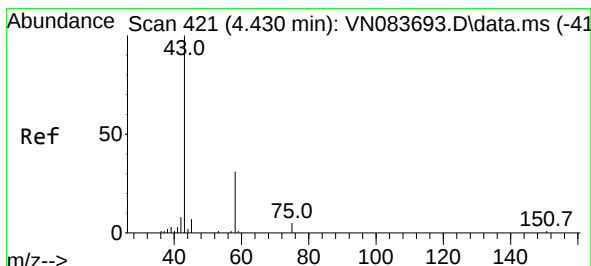
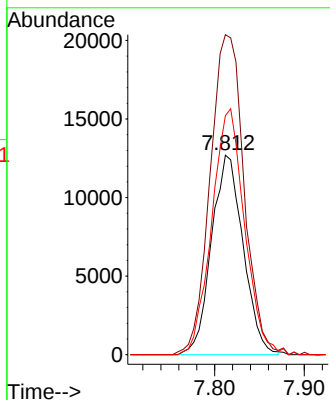
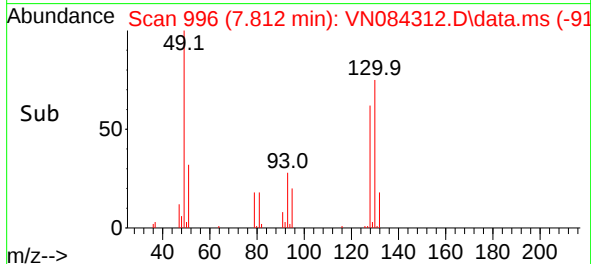


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN084312.D
Acq: 04 Oct 2024 13:33

Instrument :
MSVOA_N
ClientSampleId :

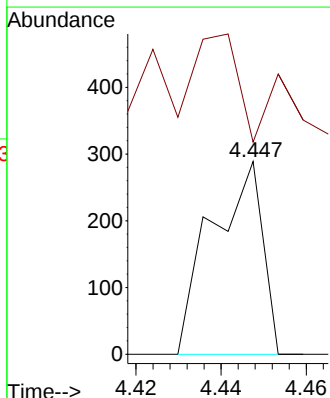
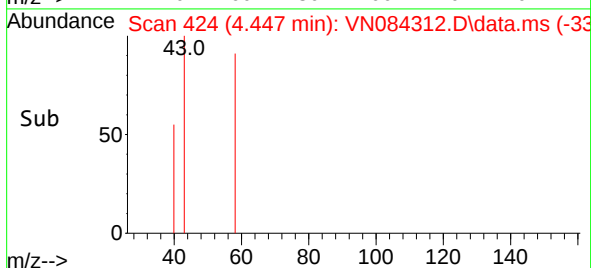
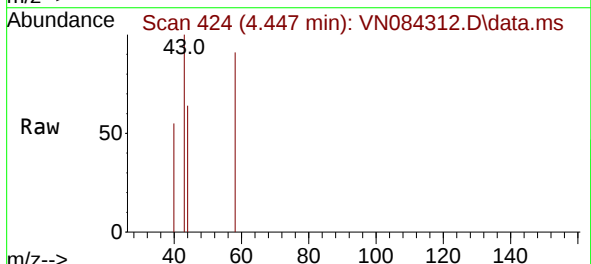


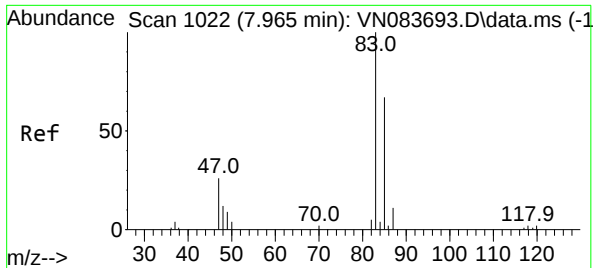
Tgt Ion:128 Resp: 31106
Ion Ratio Lower Upper
128 100
49 171.6 0.0 403.7
130 127.7 0.0 323.3



#15
Acetone
Concen: 0.767 ug/l
RT: 4.447 min Scan# 424
Delta R.T. 0.018 min
Lab File: VN084312.D
Acq: 04 Oct 2024 13:33

Tgt Ion: 58 Resp: 240
Ion Ratio Lower Upper
58 100
43 0.0 223.1 334.7#

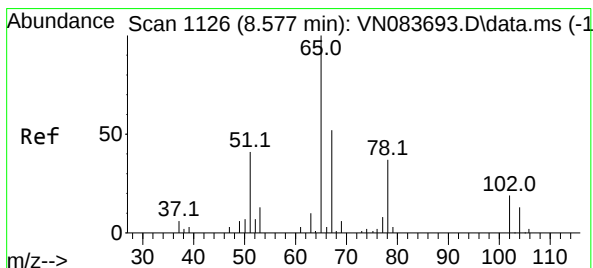
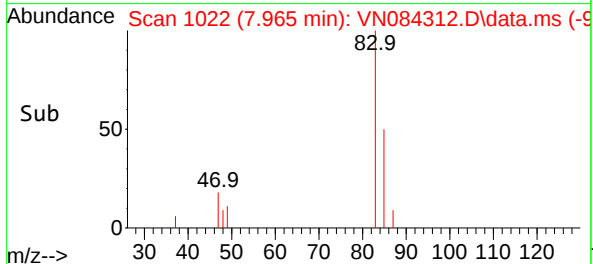
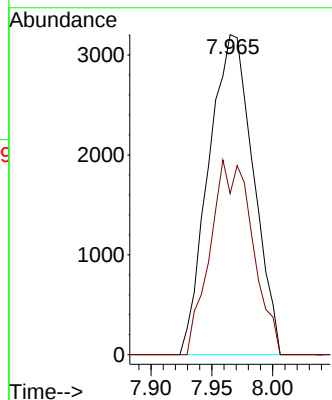
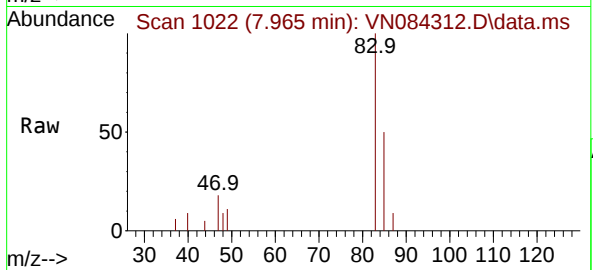




#25
Chloroform
Concen: 1.975 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN084312.D
Acq: 04 Oct 2024 13:33

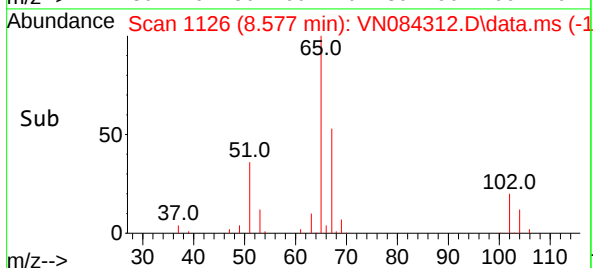
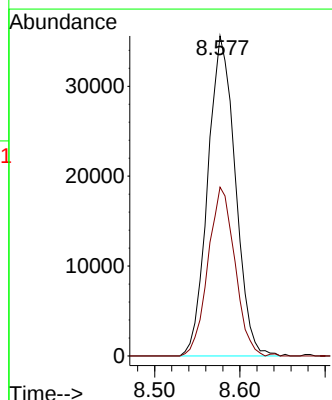
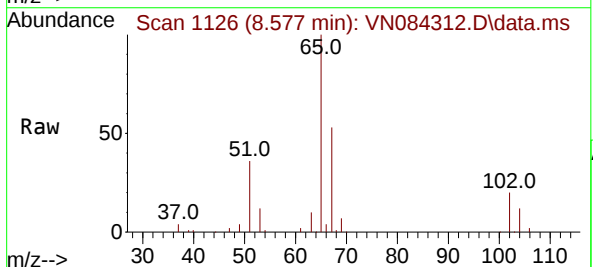
Instrument :
MSVOA_N
ClientSampleId :

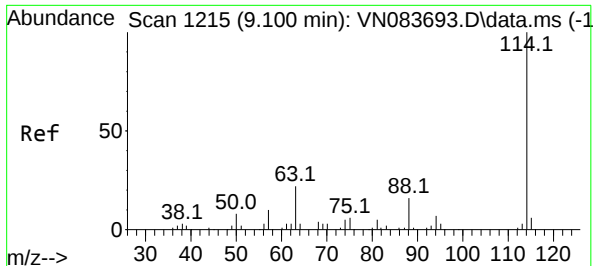
Tgt Ion: 83 Resp: 8182
Ion Ratio Lower Upper
83 100
85 50.4 50.9 76.3#



#27
1,2-Dichloroethane-d4
Concen: 28.092 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN084312.D
Acq: 04 Oct 2024 13:33

Tgt Ion: 65 Resp: 79875
Ion Ratio Lower Upper
65 100
67 51.3 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: VN084312.D

Acq: 04 Oct 2024 13:33

Instrument :

MSVOA_N

ClientSampleId :

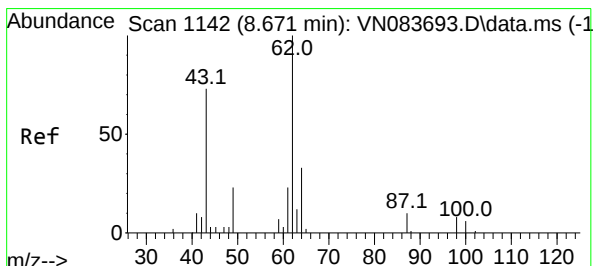
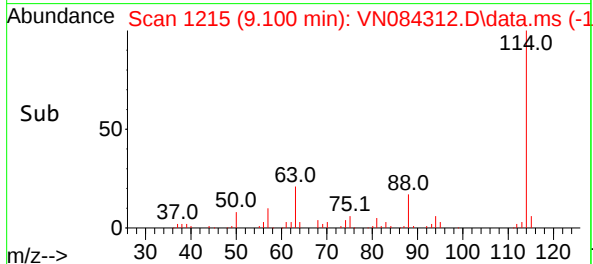
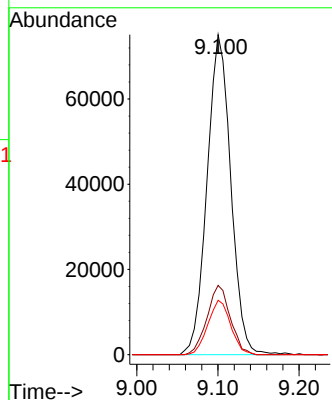
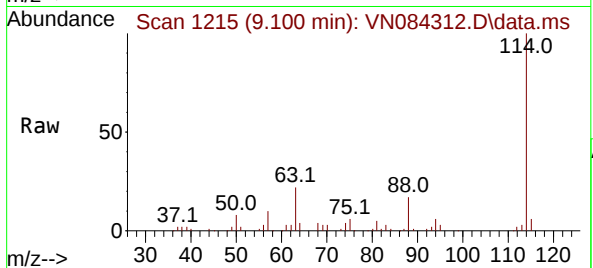
Tgt Ion:114 Resp: 152614

Ion Ratio Lower Upper

114 100

63 21.2 15.9 23.9

88 16.3 12.7 19.1



#36

1,2-Dichloroethane

Concen: 1.125 ug/l

RT: 9.094 min Scan# 1214

Delta R.T. 0.424 min

Lab File: VN084312.D

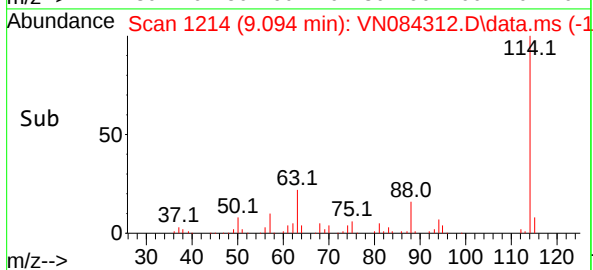
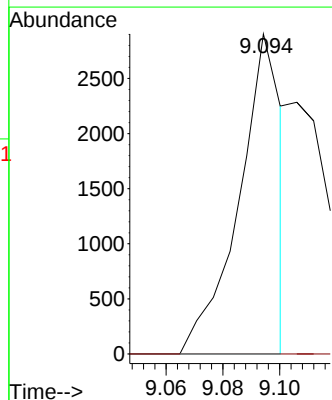
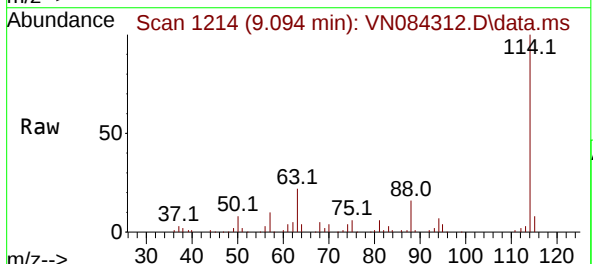
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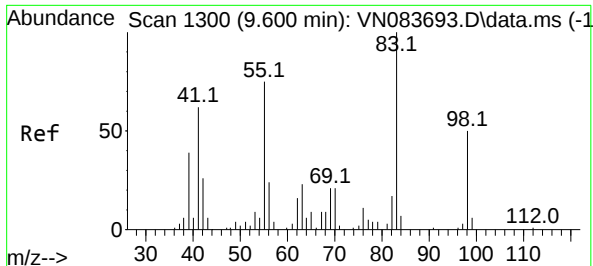
Tgt Ion: 62 Resp: 3071

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.4#





#38

Methylcyclohexane

Concen: 0.261 ug/l

RT: 9.888 min Scan# 1349

Delta R.T. 0.288 min

Lab File: VN084312.D

Acq: 04 Oct 2024 13:33

Instrument :

MSVOA_N

ClientSampleId :

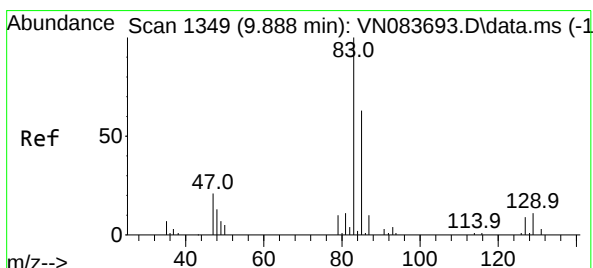
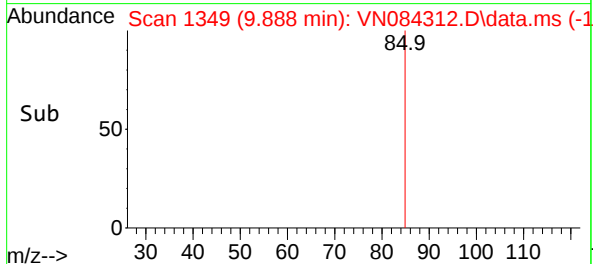
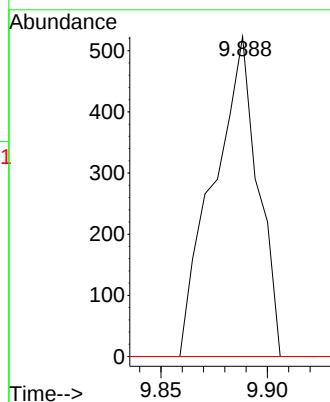
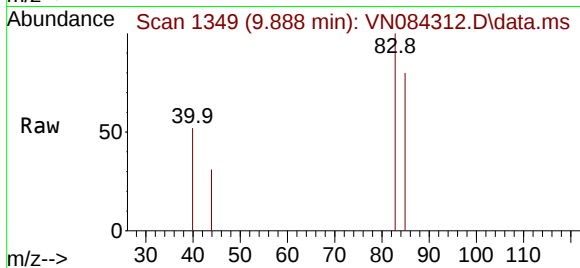
Tgt Ion: 83 Resp: 757

Ion Ratio Lower Upper

83 100

55 0.0 36.6 109.9#

98 0.0 23.8 71.5#



#41

Bromodichloromethane

Concen: 0.279 ug/l

RT: 9.888 min Scan# 1349

Delta R.T. 0.000 min

Lab File: VN084312.D

Acq: 04 Oct 2024 13:33

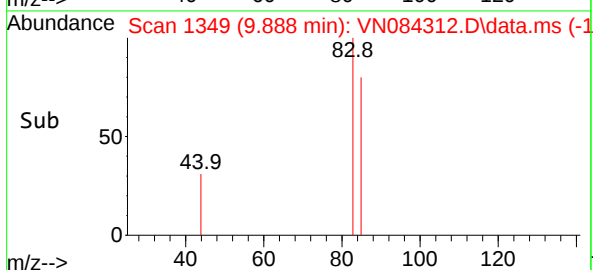
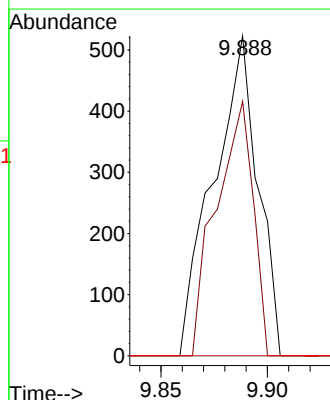
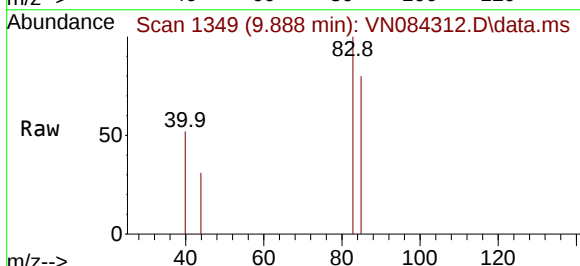
Tgt Ion: 83 Resp: 757

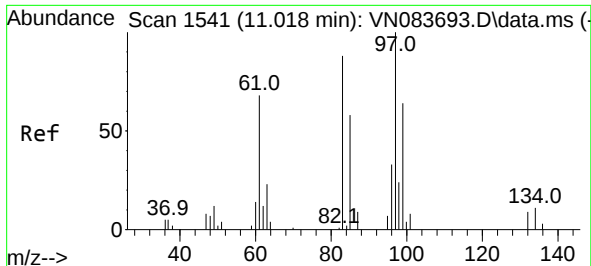
Ion Ratio Lower Upper

83 100

85 79.5 49.4 74.2#

127 0.0 7.3 10.9#

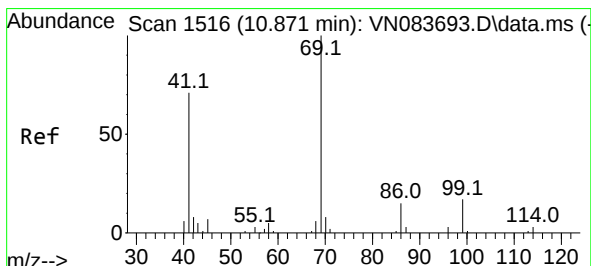
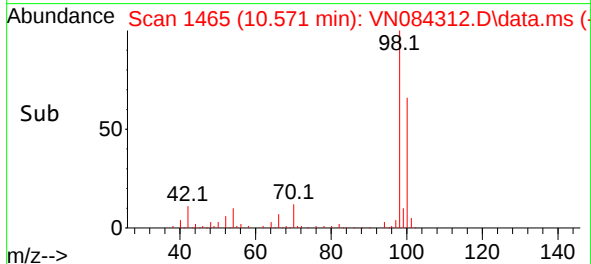
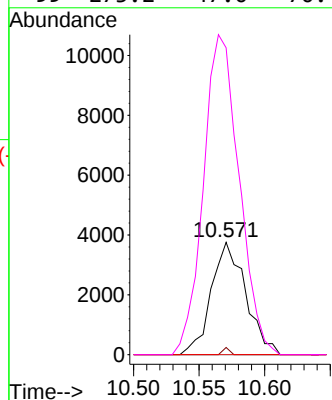
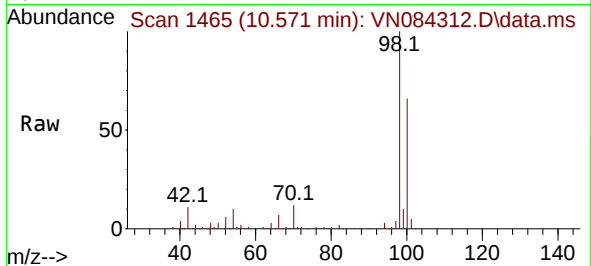




#50
1,1,2-Trichloroethane
Concen: 4.231 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.447 min
Lab File: VN084312.D
Acq: 04 Oct 2024 13:33

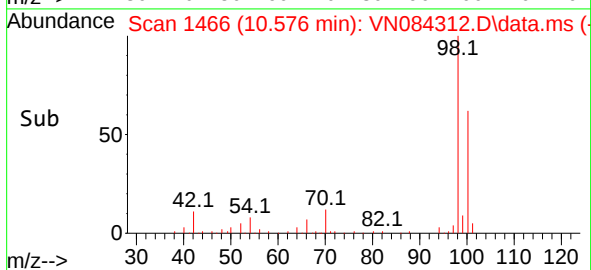
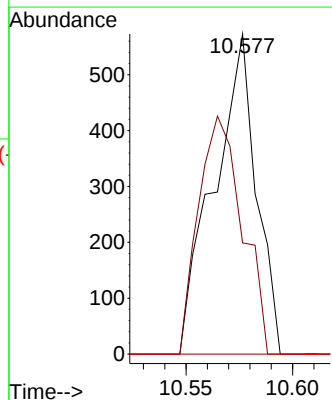
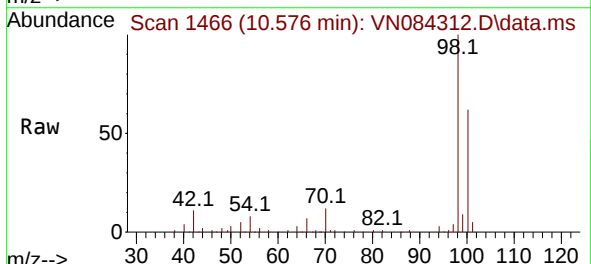
Instrument :
MSVOA_N
ClientSampleId :

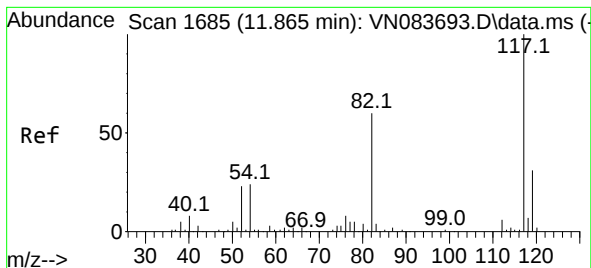
Tgt Ion: 97 Resp: 6882
Ion Ratio Lower Upper
97 100
83 6.5 68.1 102.1#
85 0.0 41.8 62.6#
99 273.2 47.0 70.4#



#51
Ethyl methacrylate
Concen: 0.284 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. -0.294 min
Lab File: VN084312.D
Acq: 04 Oct 2024 13:33

Tgt Ion: 69 Resp: 790
Ion Ratio Lower Upper
69 100
41 34.7 25.5 76.5
39 0.0 16.0 47.9#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN084312.D

Acq: 04 Oct 2024 13:33

Instrument :

MSVOA_N

ClientSampleId :

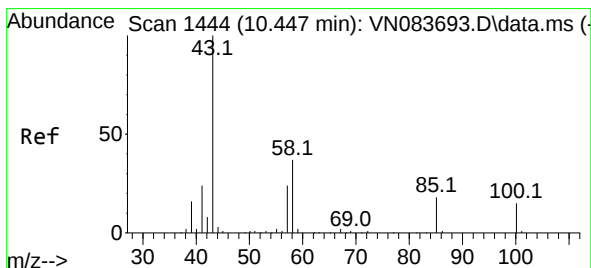
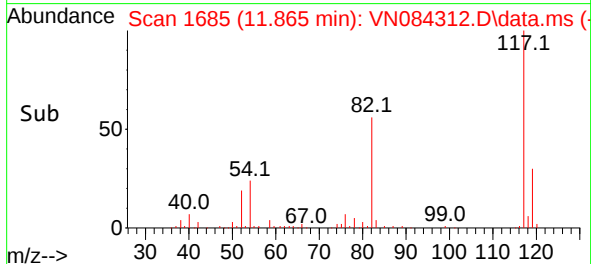
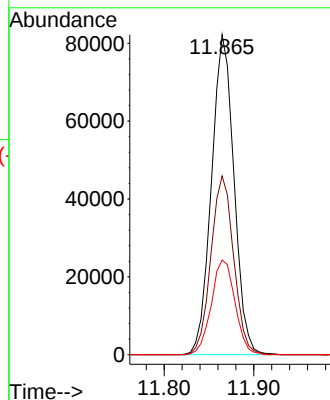
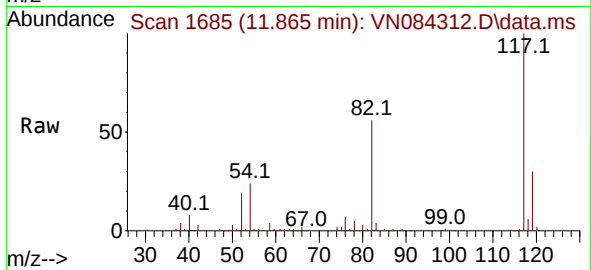
Tgt Ion:117 Resp: 143186

Ion Ratio Lower Upper

117 100

82 56.5 46.6 69.8

119 31.2 25.4 38.2



#58

4-Methyl-2-Pentanone

Concen: 0.462 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.118 min

Lab File: VN084312.D

Acq: 04 Oct 2024 13:33

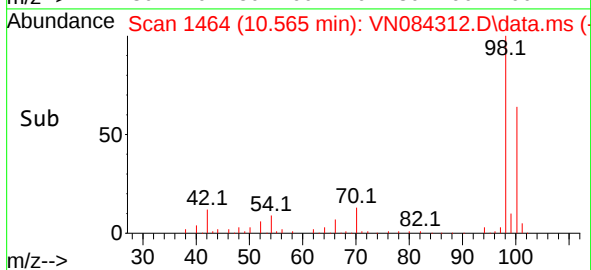
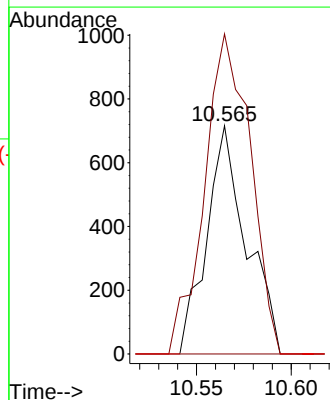
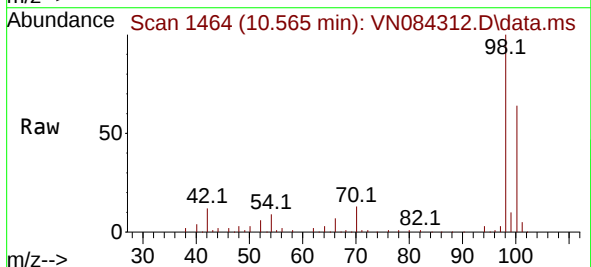
Tgt Ion: 43 Resp: 1049

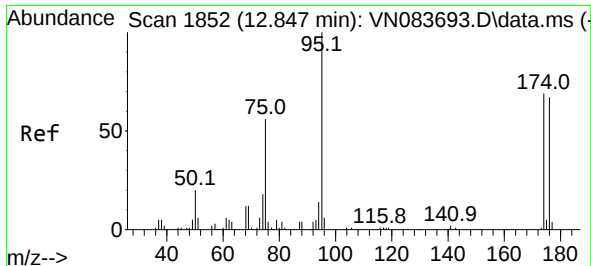
Ion Ratio Lower Upper

43 100

58 161.8 36.5 54.7#

85 0.0 19.5 29.3#

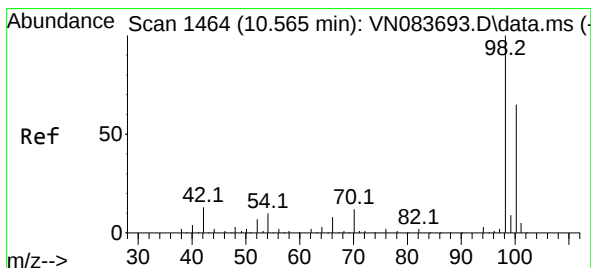
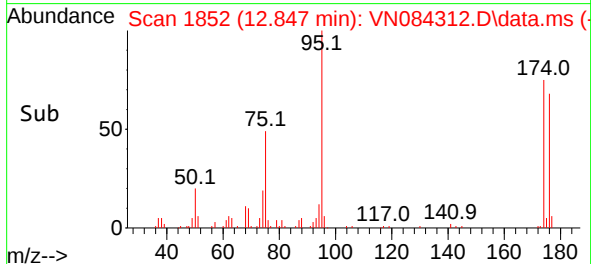
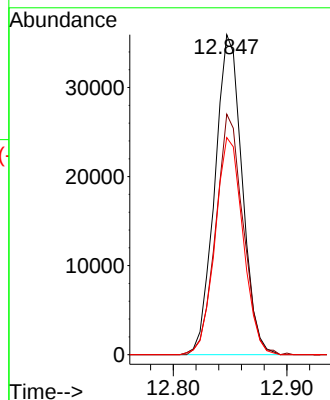
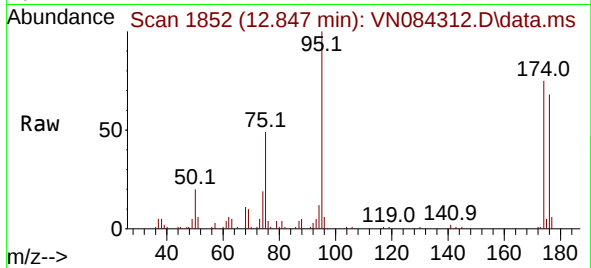




#60
4-Bromofluorobenzene
Concen: 24.393 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084312.D
Acq: 04 Oct 2024 13:33

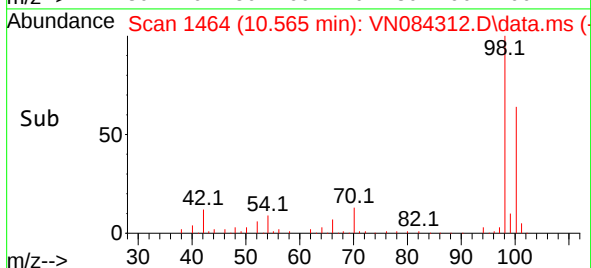
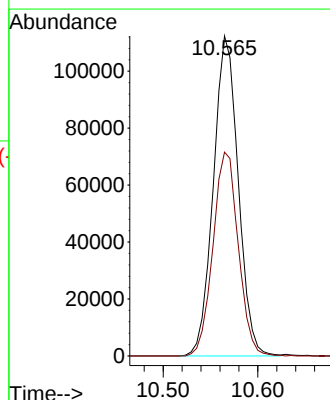
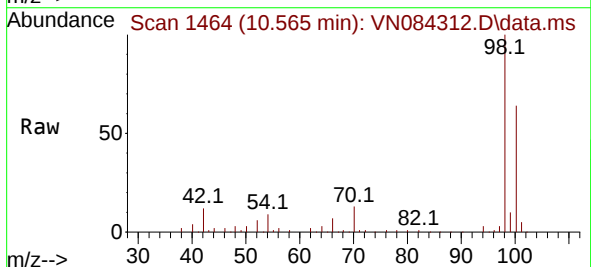
Instrument :
MSVOA_N
ClientSampleId :

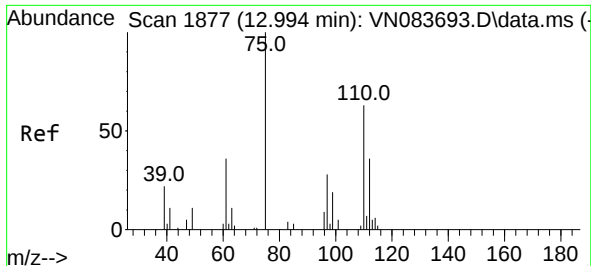
Tgt Ion: 95 Resp: 60197
Ion Ratio Lower Upper
95 100
174 74.9 60.5 90.7
176 69.3 57.8 86.6



#63
Toluene-d8
Concen: 30.965 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084312.D
Acq: 04 Oct 2024 13:33

Tgt Ion: 98 Resp: 205301
Ion Ratio Lower Upper
98 100
100 64.7 52.7 79.1

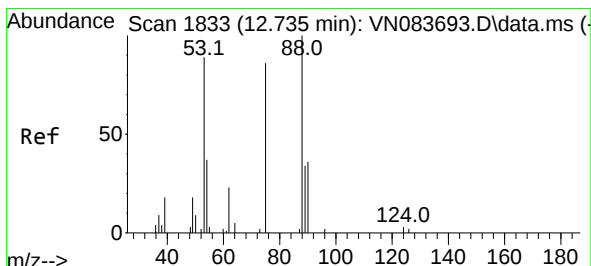
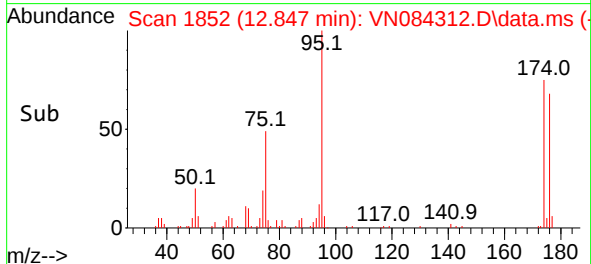
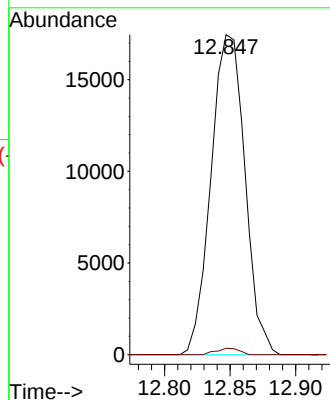
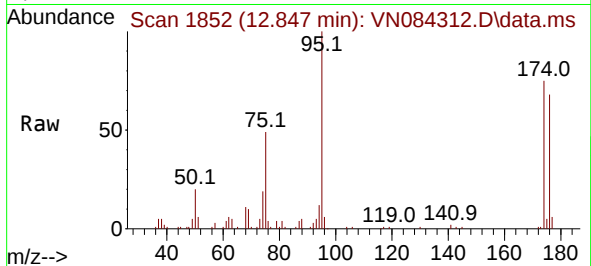




#72
1,2,3-Trichloropropane
Concen: 14.927 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN084312.D
Acq: 04 Oct 2024 13:33

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 31436
Ion Ratio Lower Upper
75 100
77 1.4 0.0 367.6



#77
t-1,4-Dichloro-2-butene
Concen: 35.315 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084312.D
Acq: 04 Oct 2024 13:33

Tgt Ion: 75 Resp: 31436
Ion Ratio Lower Upper
75 100
53 0.0 45.9 137.7#
89 0.0 25.9 77.7#

