

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101424\
 Data File : VN084409.D
 Acq On : 14 Oct 2024 13:03
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 15 01:34:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 09 02:22:28 2024
 Response via : Initial Calibration

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

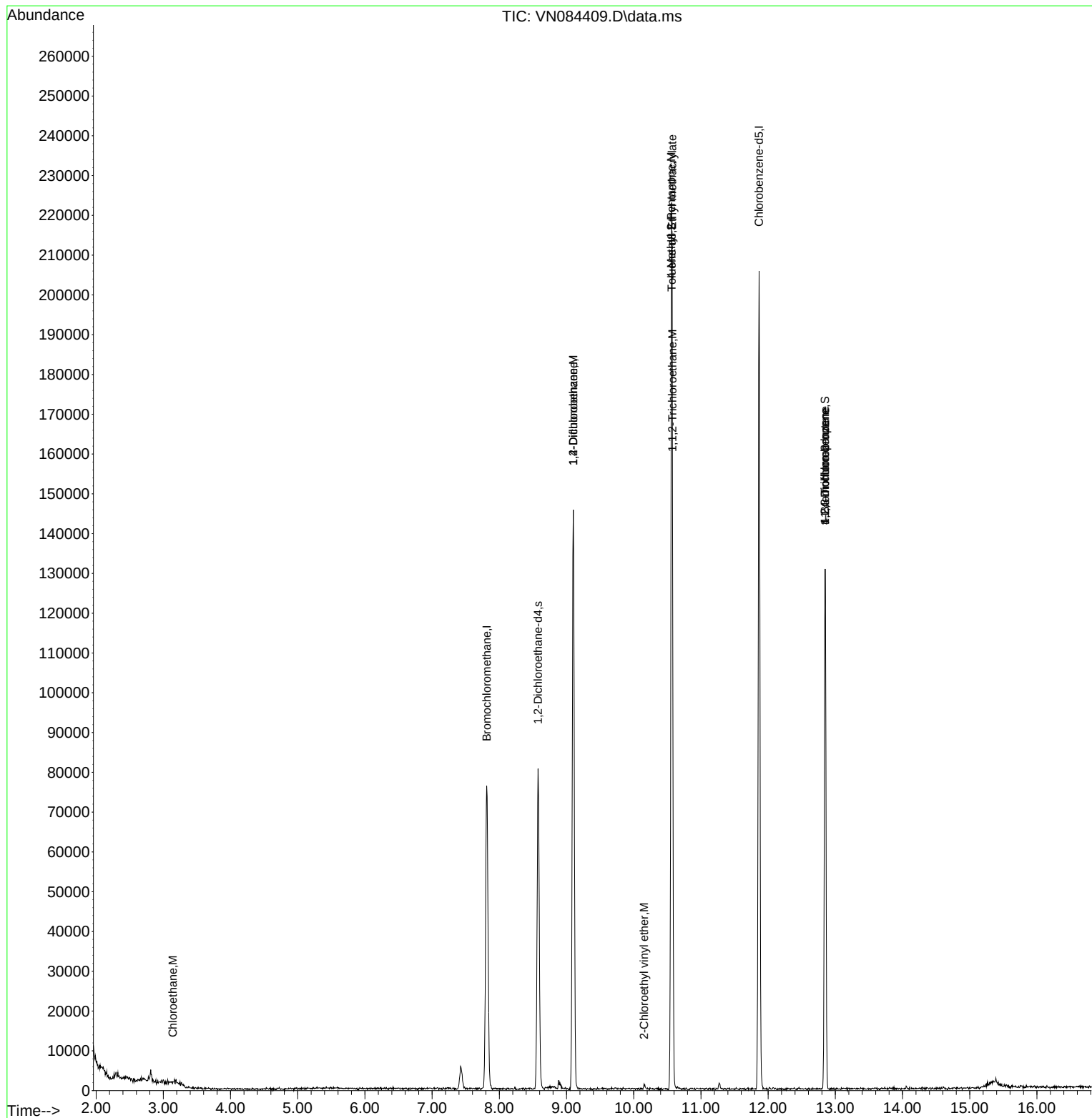
Internal Standards						
1) Bromochloromethane	7.812	128	26871	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	124285	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	116895	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	66798	30.877	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	102.933%
60) 4-Bromofluorobenzene	12.847	95	46329	24.014	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	80.033%
63) Toluene-d8	10.565	98	156341	28.870	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	96.233%
Target Compounds						
					Qvalue	
6) Chloroethane	3.142	64	417	0.347	ug/l #	40
36) 1,2-Dichloroethane	9.100	62	4564	2.144	ug/l #	75
50) 1,1,2-Trichloroethane	10.577	97	5439	3.718	ug/l #	1
51) Ethyl methacrylate	10.571	69	542	0.224	ug/l #	62
55) 2-Chloroethyl vinyl ether	10.153	63	724	0.661	ug/l #	45
58) 4-Methyl-2-Pentanone	10.559	43	751	0.345	ug/l #	1
72) 1,2,3-Trichloropropane	12.847	75	24682	13.423	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	24682	31.413	ug/l #	12

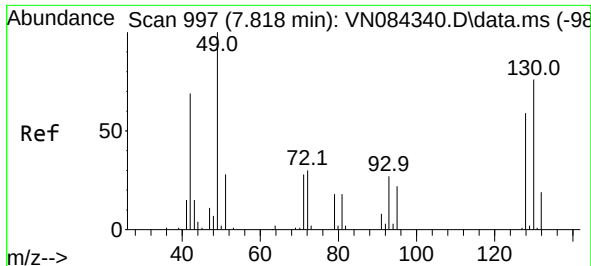
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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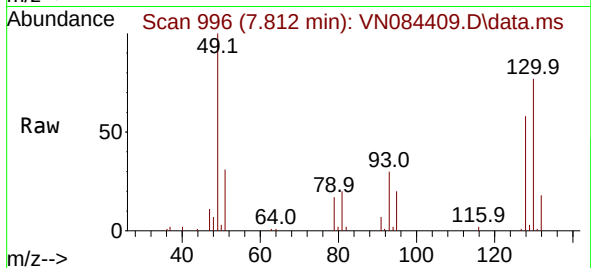
Quant Time: Oct 15 01:34:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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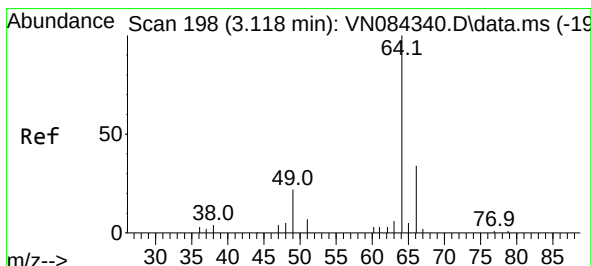
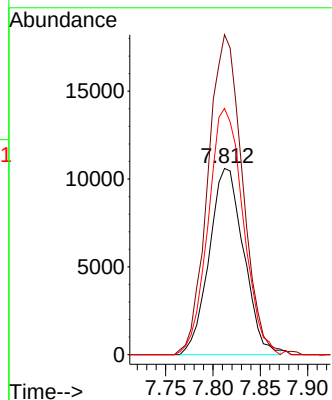
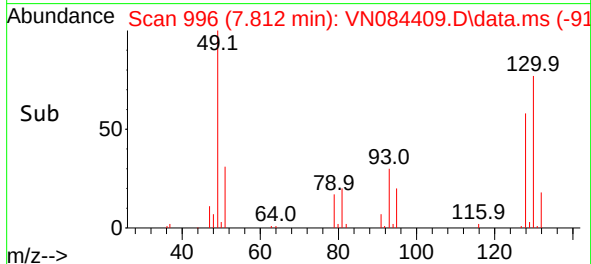


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN084409.D
Acq: 14 Oct 2024 13:03

Instrument :
MSVOA_N
ClientSampleId :

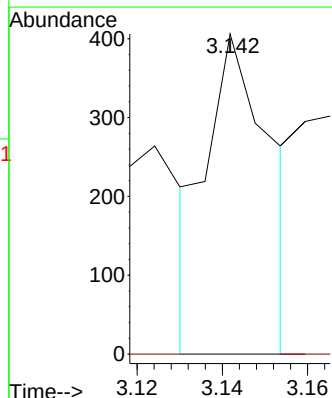
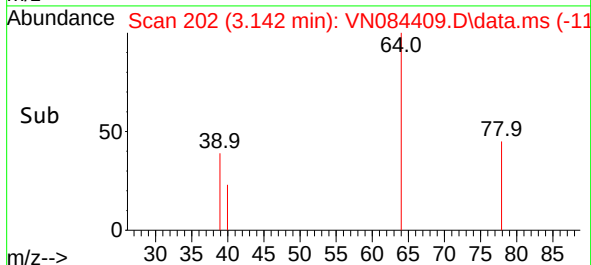
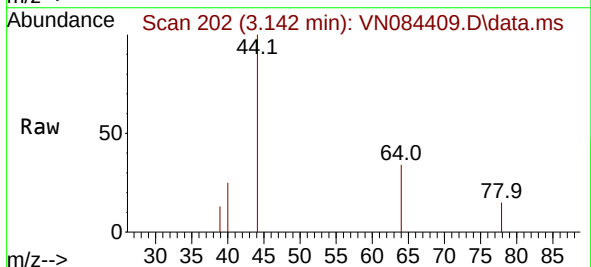


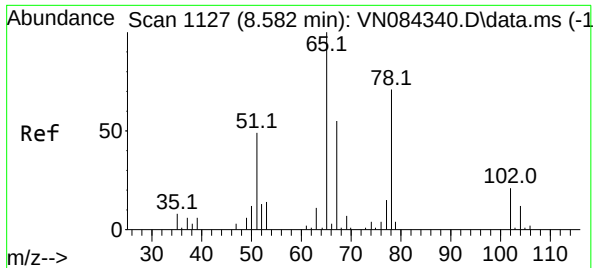
Tgt Ion:128 Resp: 26871
Ion Ratio Lower Upper
128 100
49 171.6 0.0 430.0
130 134.0 0.0 329.8



#6
Chloroethane
Concen: 0.347 ug/l
RT: 3.142 min Scan# 202
Delta R.T. 0.024 min
Lab File: VN084409.D
Acq: 14 Oct 2024 13:03

Tgt Ion: 64 Resp: 417
Ion Ratio Lower Upper
64 100
66 0.0 27.7 41.5#

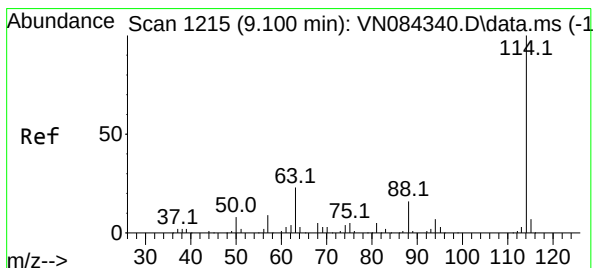
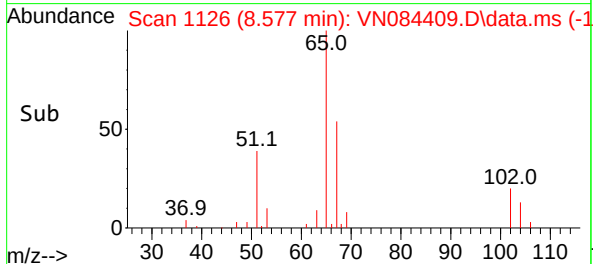
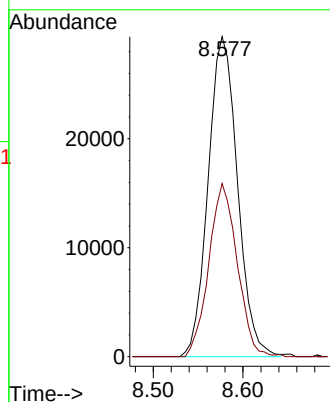
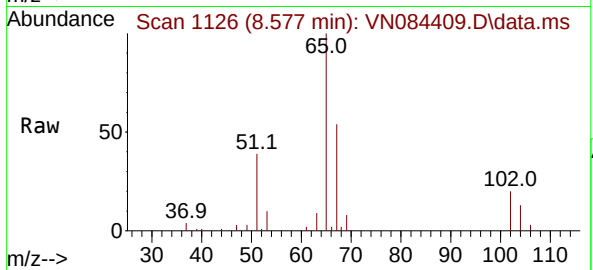




#27
 1,2-Dichloroethane-d4
 Concen: 30.877 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. -0.006 min
 Lab File: VN084409.D
 Acq: 14 Oct 2024 13:03

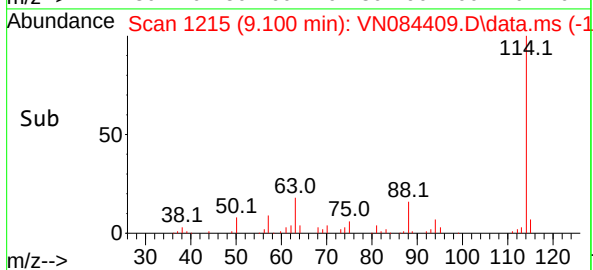
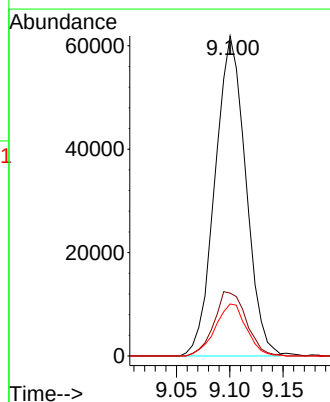
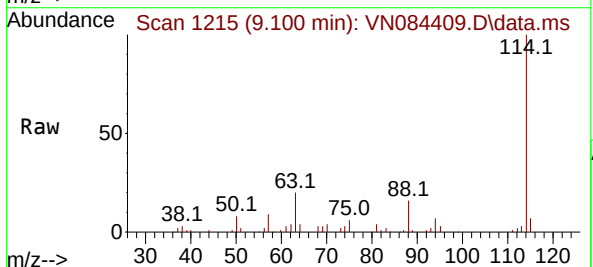
Instrument :
 MSVOA_N
 ClientSampleId :

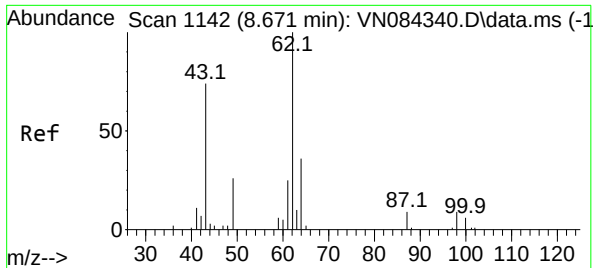
Tgt Ion: 65 Resp: 66798
 Ion Ratio Lower Upper
 65 100
 67 52.2 41.5 62.3



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. 0.000 min
 Lab File: VN084409.D
 Acq: 14 Oct 2024 13:03

Tgt Ion: 114 Resp: 124285
 Ion Ratio Lower Upper
 114 100
 63 21.0 17.4 26.0
 88 16.4 13.2 19.8





#36

1,2-Dichloroethane

Concen: 2.144 ug/l

RT: 9.100 min Scan# 1142

Delta R.T. 0.430 min

Lab File: VN084409.D

Acq: 14 Oct 2024 13:03

Instrument :

MSVOA_N

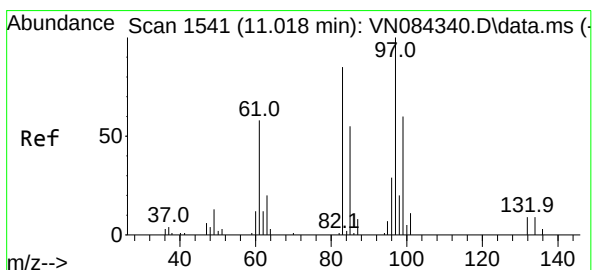
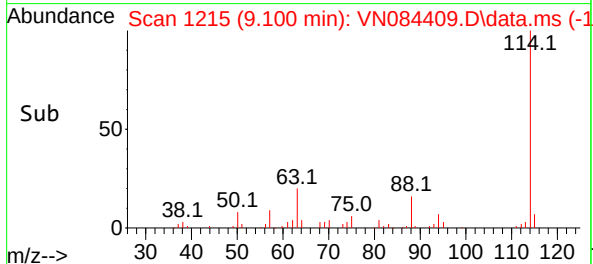
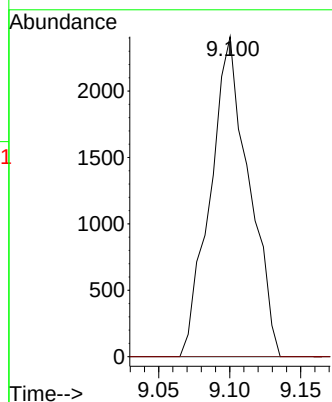
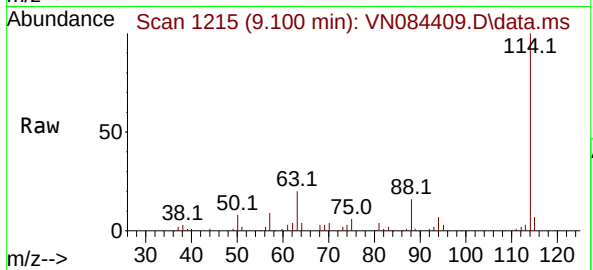
ClientSampleId :

Tgt Ion: 62 Resp: 4564

Ion Ratio Lower Upper

62 100

98 0.0 7.3 10.9#



#50

1,1,2-Trichloroethane

Concen: 3.718 ug/l

RT: 10.577 min Scan# 1466

Delta R.T. -0.441 min

Lab File: VN084409.D

Acq: 14 Oct 2024 13:03

Tgt Ion: 97 Resp: 5439

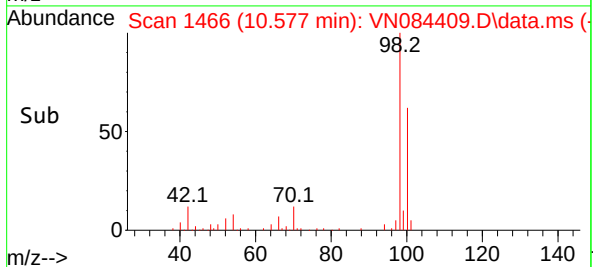
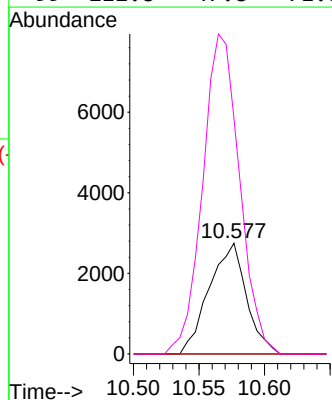
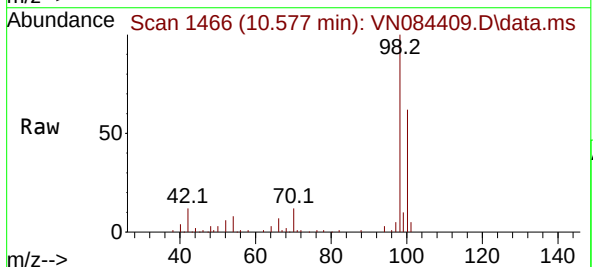
Ion Ratio Lower Upper

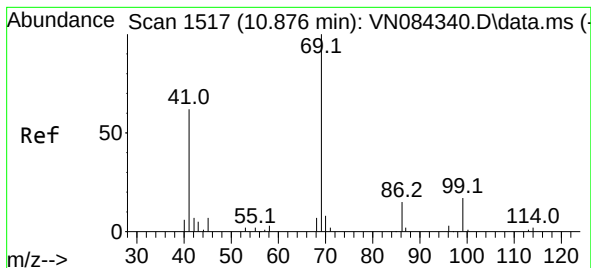
97 100

83 0.0 67.8 101.8#

85 0.0 44.2 66.2#

99 212.8 47.8 71.8#





#51

Ethyl methacrylate

Concen: 0.224 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.306 min

Lab File: VN084409.D

Acq: 14 Oct 2024 13:03

Instrument :

MSVOA_N

ClientSampleId :

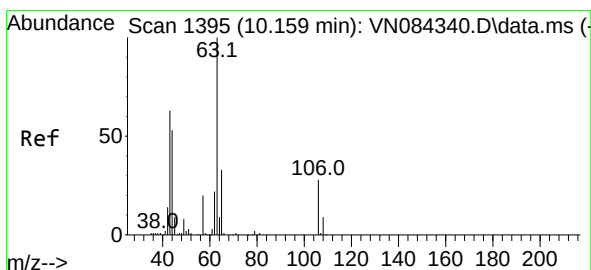
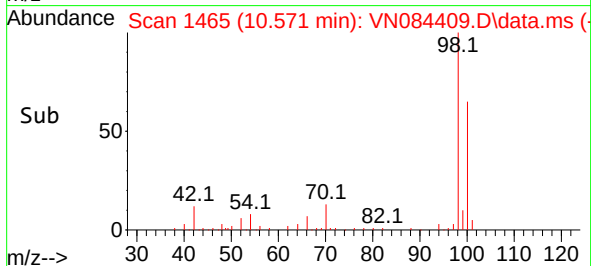
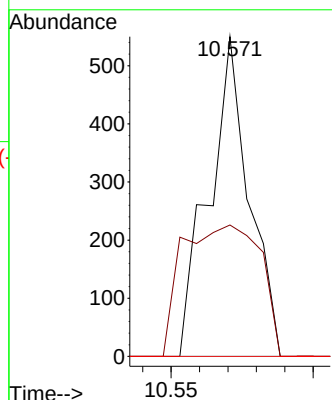
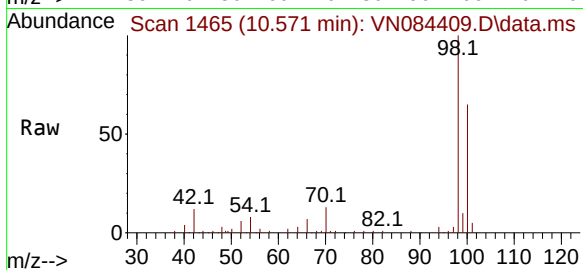
Tgt Ion: 69 Resp: 542

Ion Ratio Lower Upper

69 100

41 41.1 30.9 92.7

39 0.0 16.6 49.7#



#55

2-Chloroethyl vinyl ether

Concen: 0.661 ug/l

RT: 10.153 min Scan# 1394

Delta R.T. -0.006 min

Lab File: VN084409.D

Acq: 14 Oct 2024 13:03

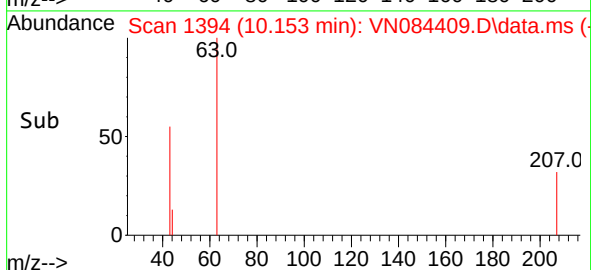
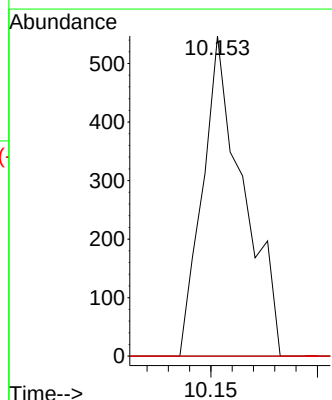
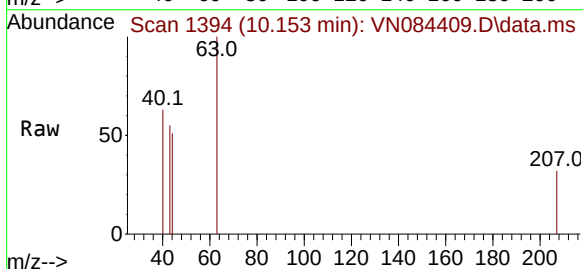
Tgt Ion: 63 Resp: 724

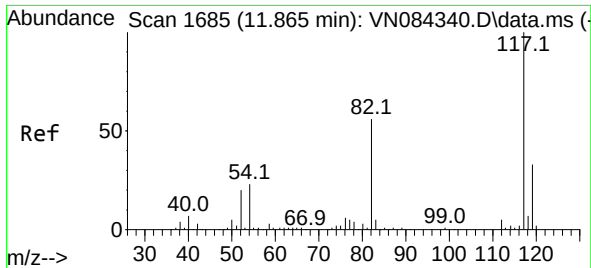
Ion Ratio Lower Upper

63 100

65 0.0 25.6 38.4#

106 0.0 21.6 32.4#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.865 min Scan# 116895

Delta R.T. 0.000 min

Lab File: VN084409.D

Acq: 14 Oct 2024 13:03

Instrument :

MSVOA_N

ClientSampleId :

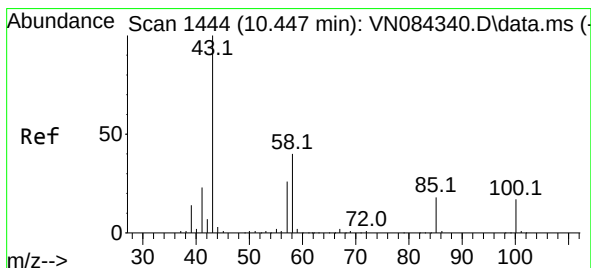
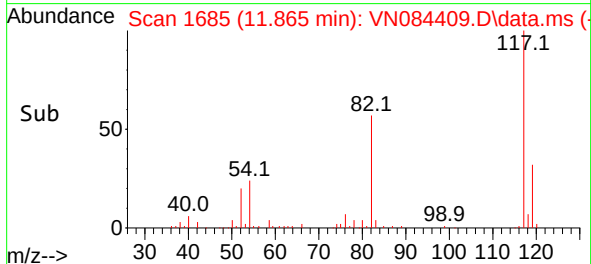
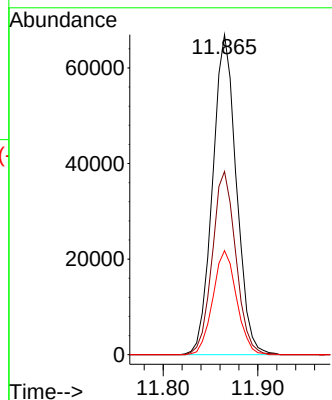
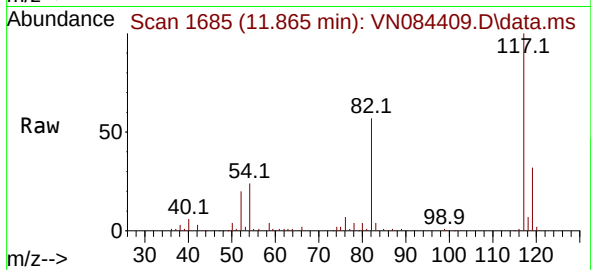
Tgt Ion:117 Resp: 116895

Ion Ratio Lower Upper

117 100

82 56.8 46.2 69.4

119 32.5 25.4 38.2



#58

4-Methyl-2-Pentanone

Concen: 0.345 ug/l

RT: 10.559 min Scan# 1463

Delta R.T. 0.112 min

Lab File: VN084409.D

Acq: 14 Oct 2024 13:03

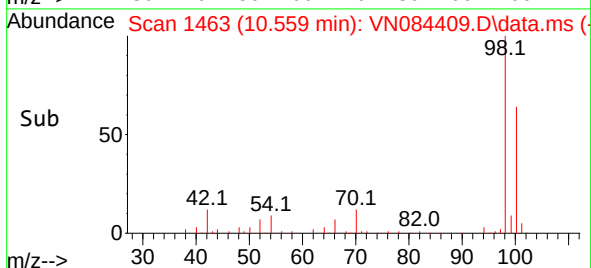
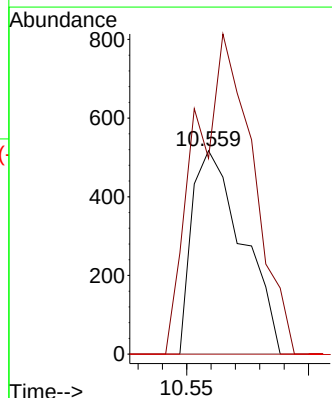
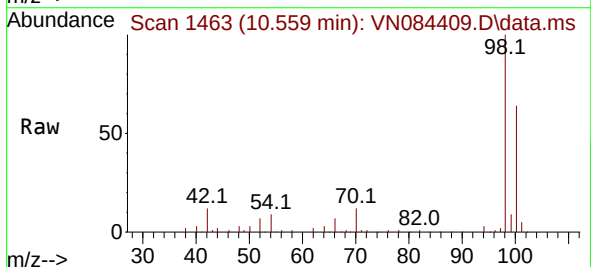
Tgt Ion: 43 Resp: 751

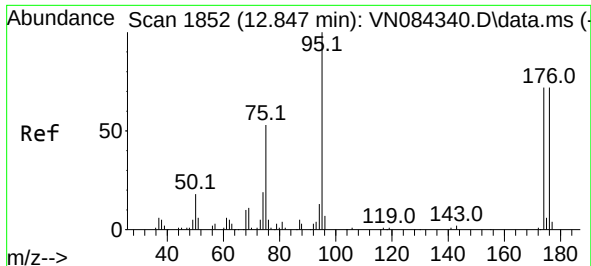
Ion Ratio Lower Upper

43 100

58 178.6 31.9 47.9#

85 0.0 14.6 22.0#

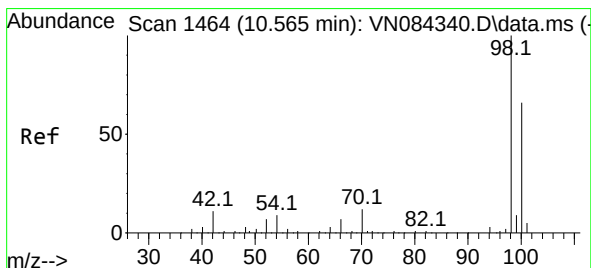
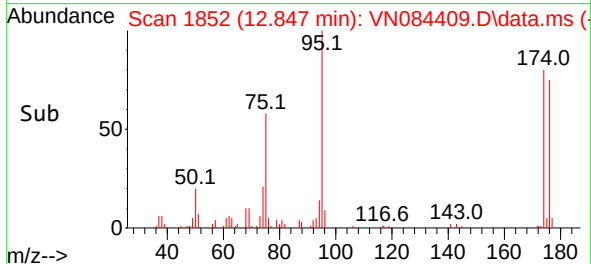
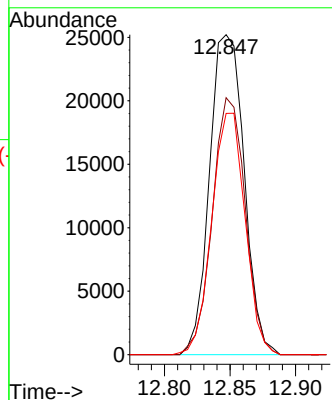
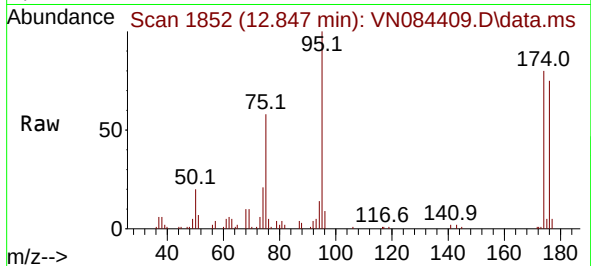




#60
4-Bromofluorobenzene
Concen: 24.014 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084409.D
Acq: 14 Oct 2024 13:03

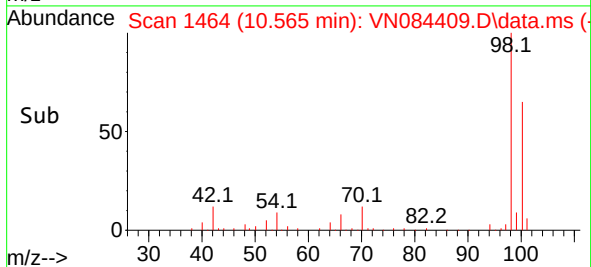
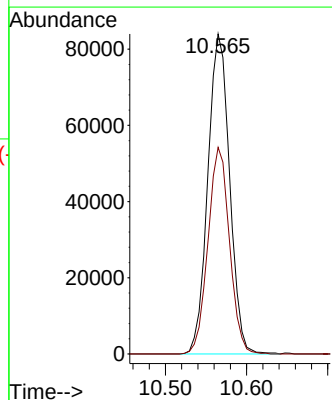
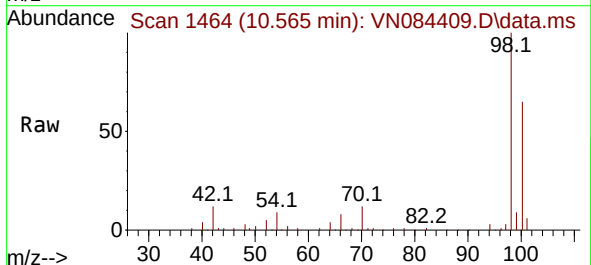
Instrument :
MSVOA_N
ClientSampleId :

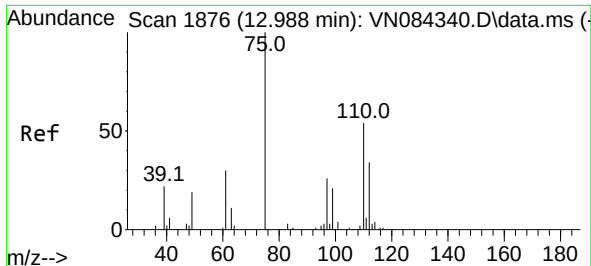
Tgt Ion: 95 Resp: 46329
Ion Ratio Lower Upper
95 100
174 76.3 58.2 87.2
176 72.6 56.4 84.6



#63
Toluene-d8
Concen: 28.870 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084409.D
Acq: 14 Oct 2024 13:03

Tgt Ion: 98 Resp: 156341
Ion Ratio Lower Upper
98 100
100 63.8 52.5 78.7

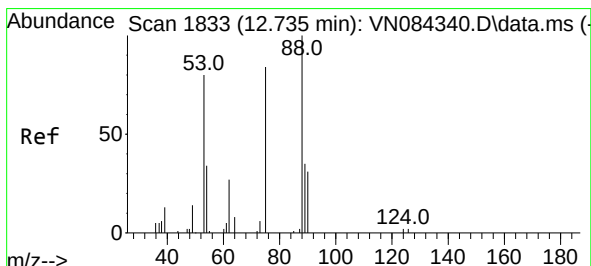
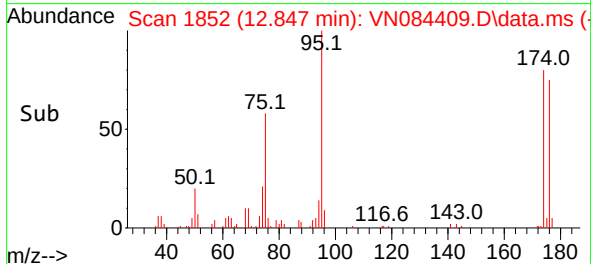
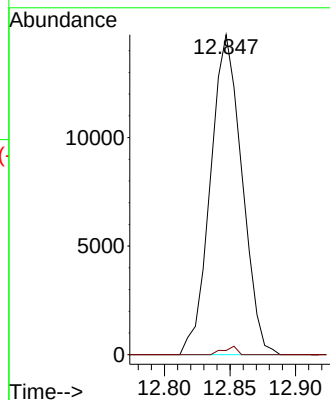
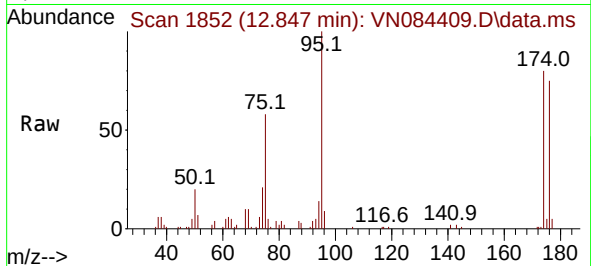




#72
1,2,3-Trichloropropane
Concen: 13.423 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084409.D
Acq: 14 Oct 2024 13:03

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 24682
Ion Ratio Lower Upper
75 100
77 1.1 0.0 414.0



#77
t-1,4-Dichloro-2-butene
Concen: 31.413 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084409.D
Acq: 14 Oct 2024 13:03

Tgt Ion: 75 Resp: 24682
Ion Ratio Lower Upper
75 100
53 0.0 47.3 142.0#
89 0.0 22.9 68.8#

