

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102324\
 Data File : VN084472.D
 Acq On : 23 Oct 2024 15:02
 Operator : JC\MD
 Sample : VN1023WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 24 04:07:48 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	7.818	128	29639	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	140547	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	131687	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	72202	30.258	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.867%
60) 4-Bromofluorobenzene	12.847	95	53125	24.444	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	81.467%
63) Toluene-d8	10.565	98	175663	28.794	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	95.967%
Target Compounds						
					Qvalue	
36) 1,2-Dichloroethane	9.106	62	5362	2.227	ug/l #	75
50) 1,1,2-Trichloroethane	10.571	97	5833	3.526	ug/l #	1
51) Ethyl methacrylate	10.565	69	578	0.212	ug/l #	56
58) 4-Methyl-2-Pentanone	10.565	43	668	0.272	ug/l #	1
72) 1,2,3-Trichloropropane	12.847	75	26682	12.881	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	26682	30.144	ug/l #	12

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

Instrument :

MSVOA_N

ClientSampleId :

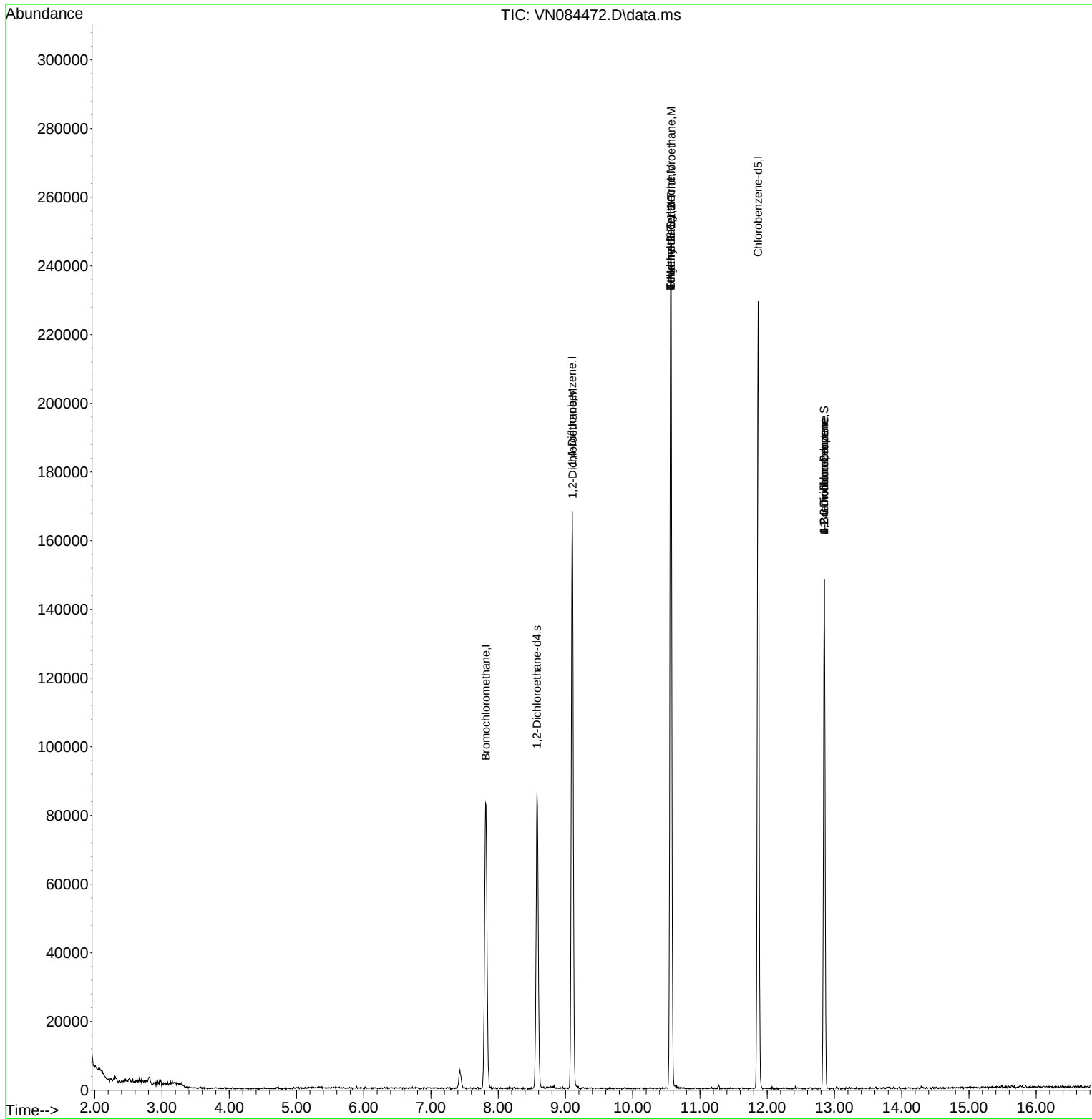
Quant Time: Oct 24 04:07:48 2024

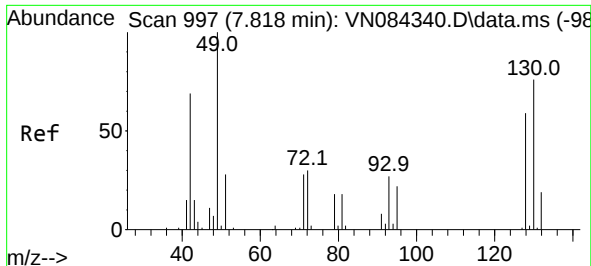
Quant Method : Z:\voasrv\HPCHEM1\MSVOA N\methods\624N100824W.M

Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

QLast Update : Wed Oct 09 02:22:28 2024

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.818 min Scan# 997

Delta R.T. 0.000 min

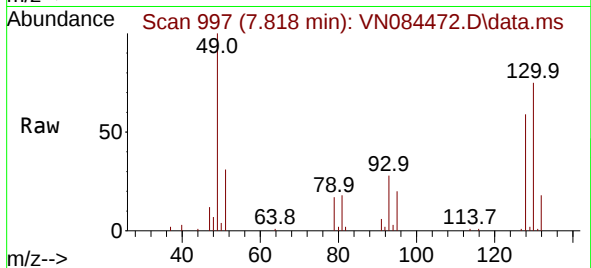
Lab File: VN084472.D

Acq: 23 Oct 2024 15:02

Instrument :

MSVOA_N

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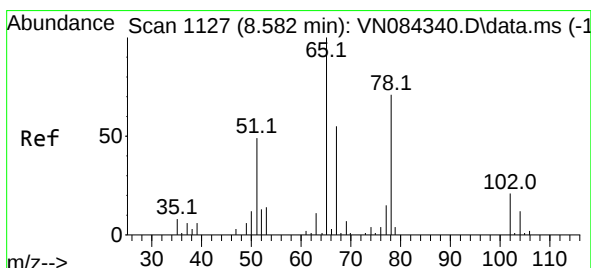
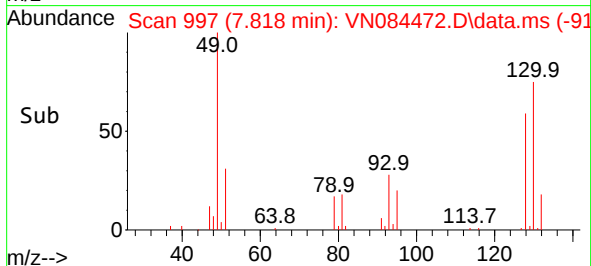
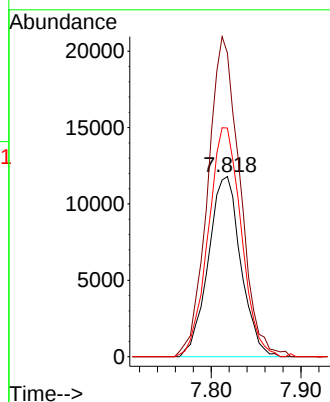
Tgt Ion:128 Resp: 29639

Ion Ratio Lower Upper

128 100

49 175.9 0.0 430.0

130 129.1 0.0 329.8



#27

1,2-Dichloroethane-d4

Concen: 30.258 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VN084472.D

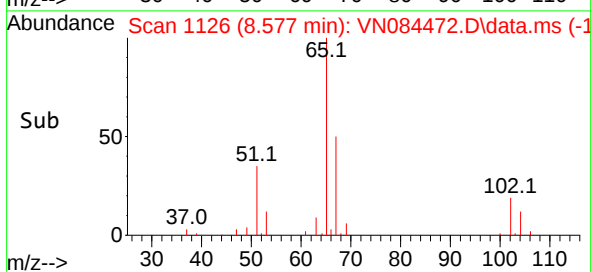
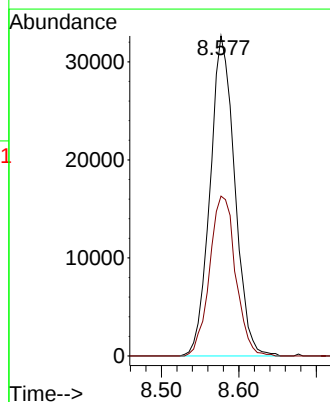
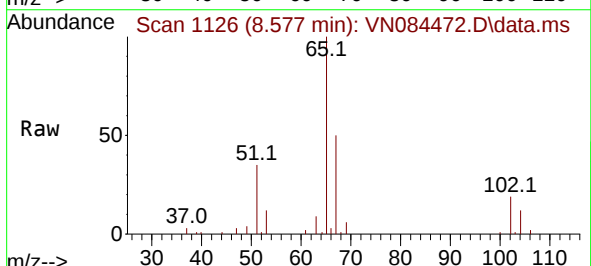
Acq: 23 Oct 2024 15:02

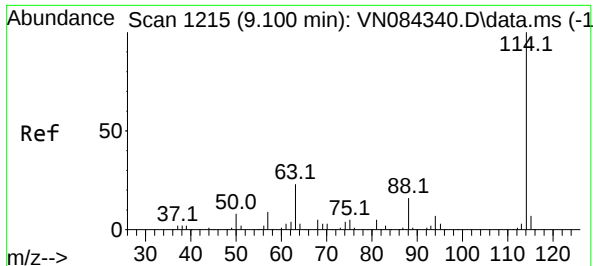
Tgt Ion: 65 Resp: 72202

Ion Ratio Lower Upper

65 100

67 52.6 41.5 62.3





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN084472.D

Acq: 23 Oct 2024 15:02

Instrument :

MSVOA_N

ClientSampleId :

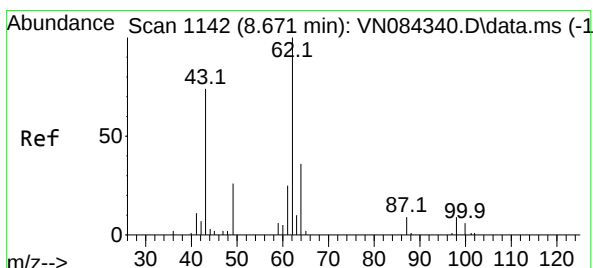
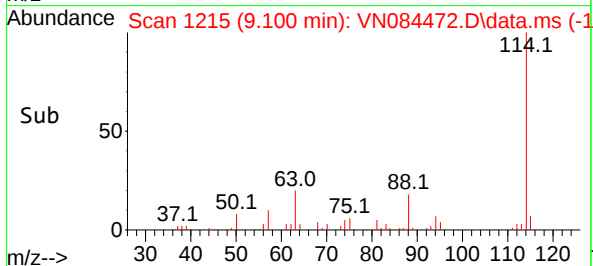
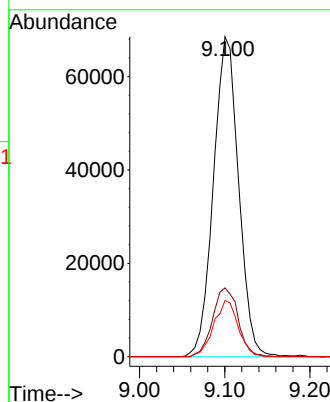
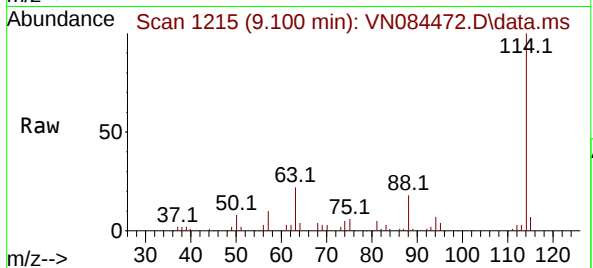
Tgt Ion:114 Resp: 140547

Ion Ratio Lower Upper

114 100

63 21.7 17.4 26.0

88 17.1 13.2 19.8



#36

1,2-Dichloroethane

Concen: 2.227 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.435 min

Lab File: VN084472.D

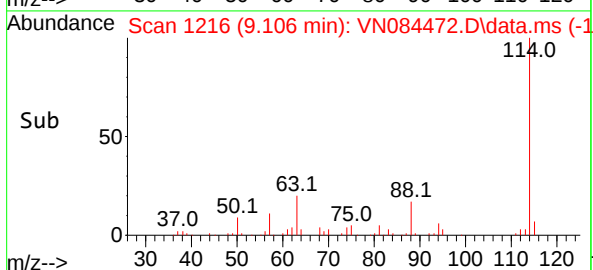
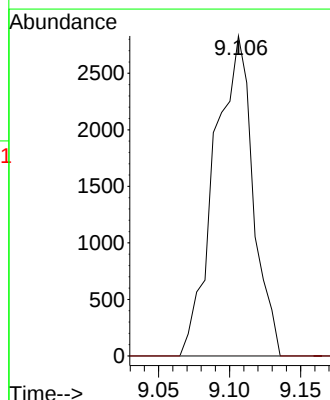
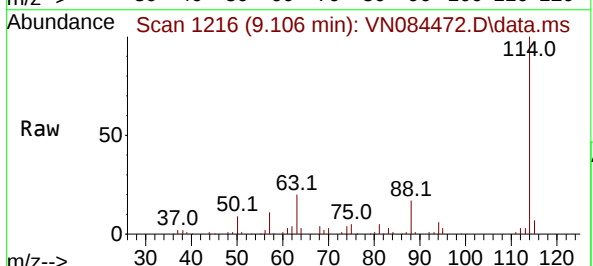
Acq: 23 Oct 2024 15:02

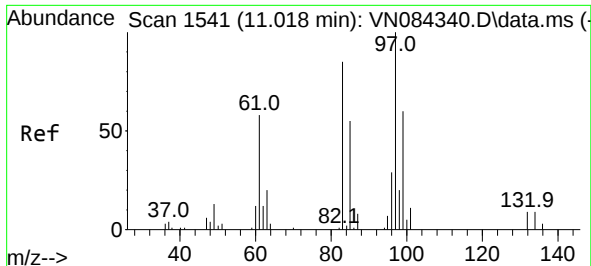
Tgt Ion: 62 Resp: 5362

Ion Ratio Lower Upper

62 100

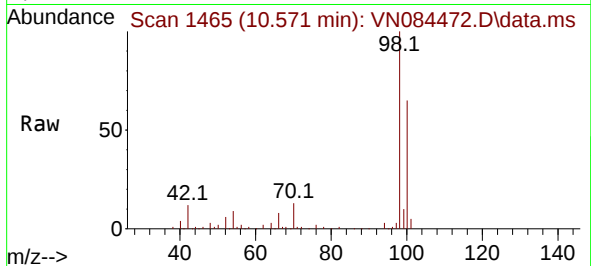
98 0.0 7.3 10.9#



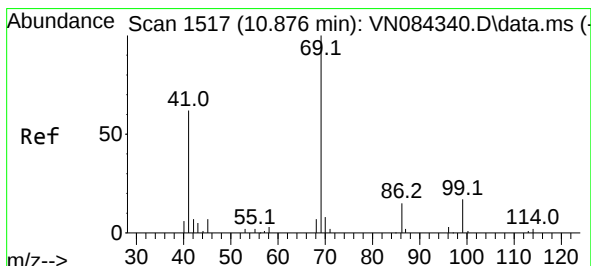
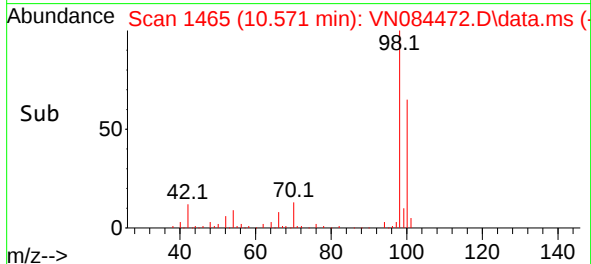
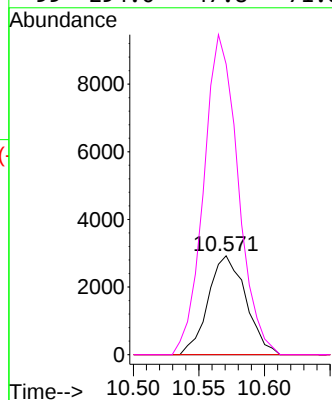


#50
1,1,2-Trichloroethane
Concen: 3.526 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.447 min
Lab File: VN084472.D
Acq: 23 Oct 2024 15:02

Instrument :
MSVOA_N
ClientSampleId :

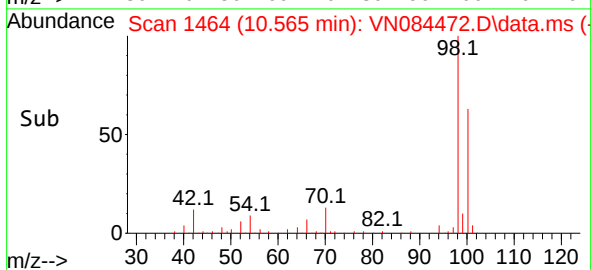
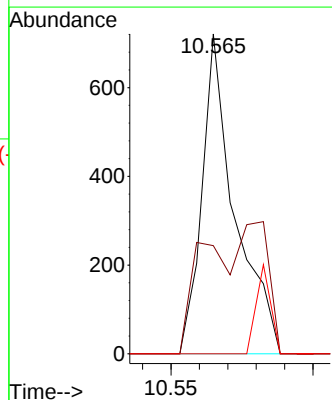
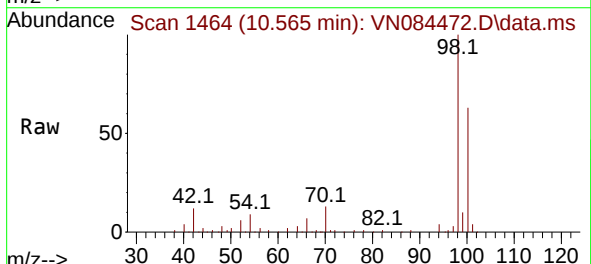


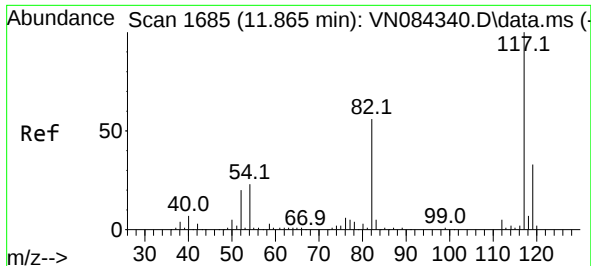
Tgt Ion: 97 Resp: 5833
Ion Ratio Lower Upper
97 100
83 0.0 67.8 101.8#
85 0.0 44.2 66.2#
99 294.0 47.8 71.8#



#51
Ethyl methacrylate
Concen: 0.212 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.312 min
Lab File: VN084472.D
Acq: 23 Oct 2024 15:02

Tgt Ion: 69 Resp: 578
Ion Ratio Lower Upper
69 100
41 33.8 30.9 92.7
39 0.0 16.6 49.7#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN084472.D

Acq: 23 Oct 2024 15:02

Instrument :

MSVOA_N

ClientSampleId :

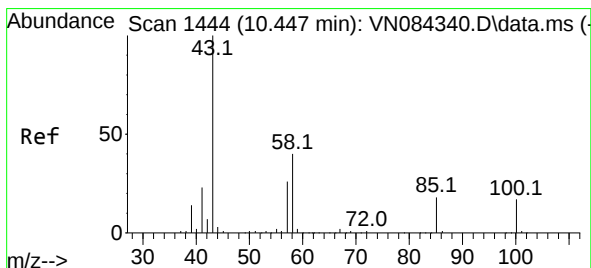
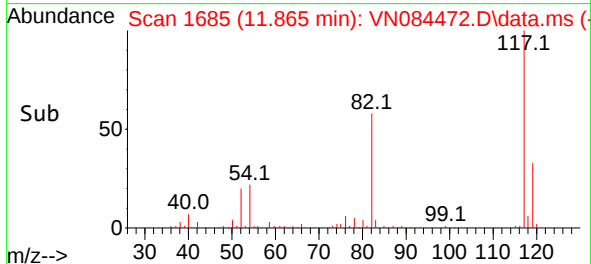
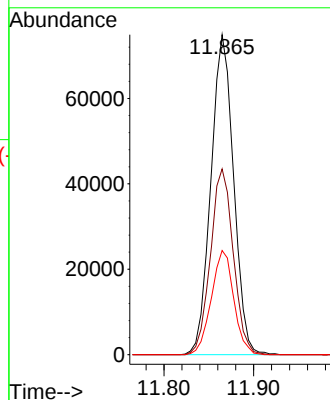
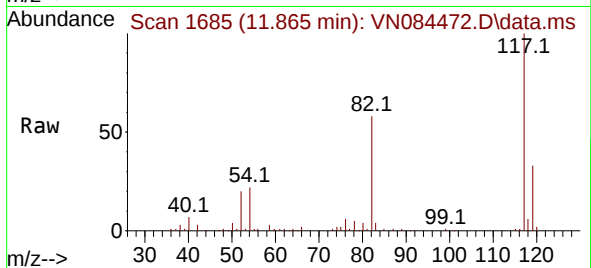
Tgt Ion:117 Resp: 131687

Ion Ratio Lower Upper

117 100

82 58.4 46.2 69.4

119 32.2 25.4 38.2



#58

4-Methyl-2-Pentanone

Concen: 0.272 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.118 min

Lab File: VN084472.D

Acq: 23 Oct 2024 15:02

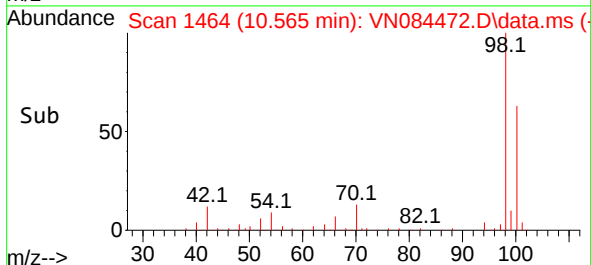
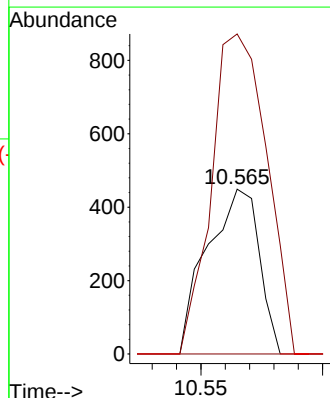
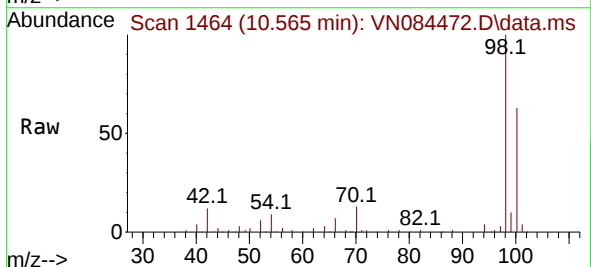
Tgt Ion: 43 Resp: 668

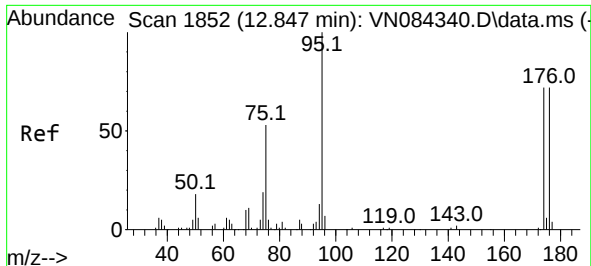
Ion Ratio Lower Upper

43 100

58 206.7 31.9 47.9#

85 0.0 14.6 22.0#

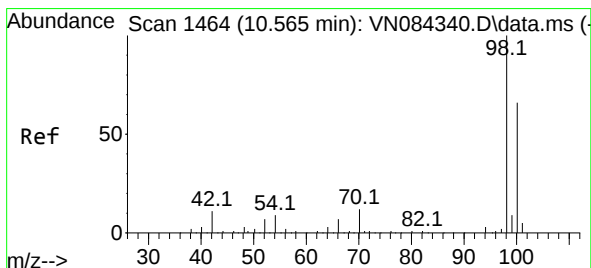
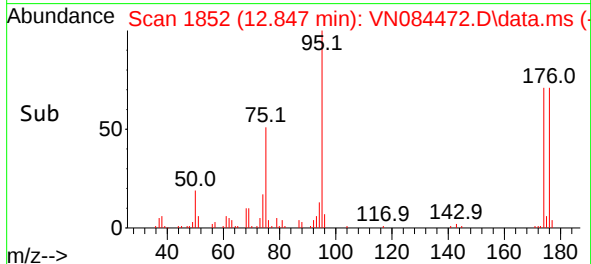
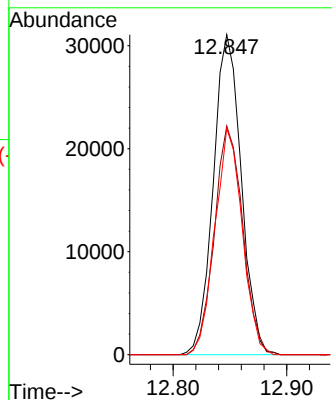
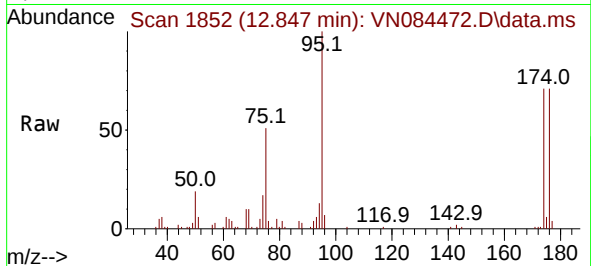




#60
4-Bromofluorobenzene
Concen: 24.444 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084472.D
Acq: 23 Oct 2024 15:02

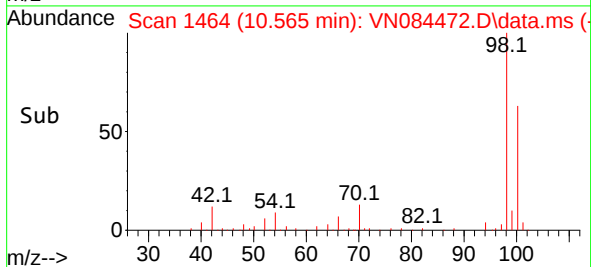
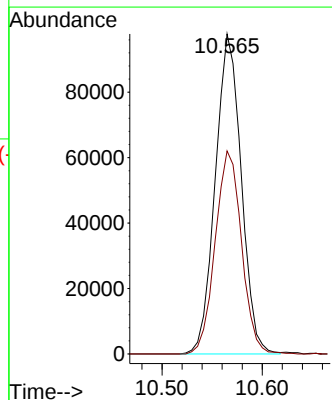
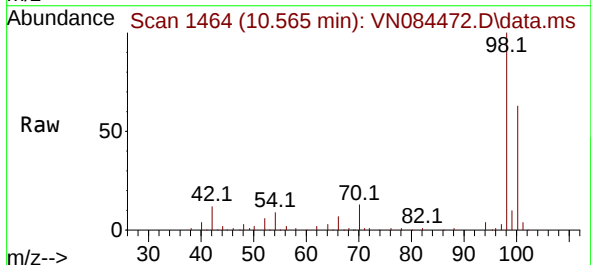
Instrument :
MSVOA_N
ClientSampleId :

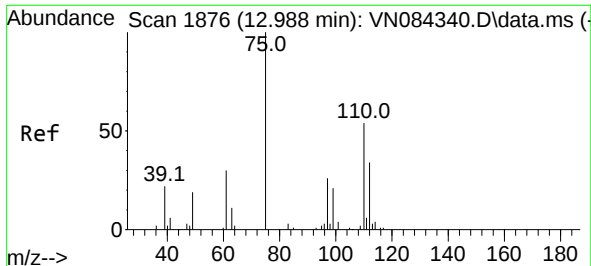
Tgt Ion: 95 Resp: 53125
Ion Ratio Lower Upper
95 100
174 72.4 58.2 87.2
176 69.3 56.4 84.6



#63
Toluene-d8
Concen: 28.794 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084472.D
Acq: 23 Oct 2024 15:02

Tgt Ion: 98 Resp: 175663
Ion Ratio Lower Upper
98 100
100 64.4 52.5 78.7

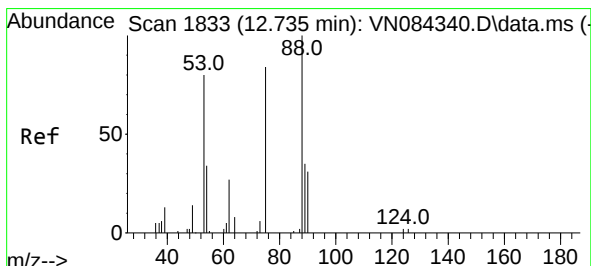
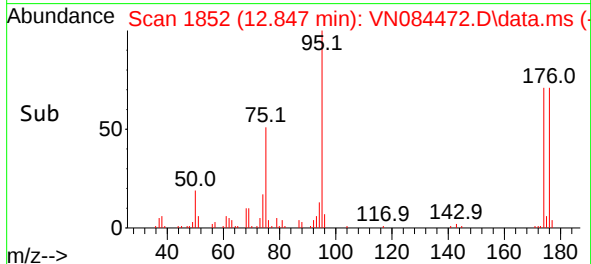
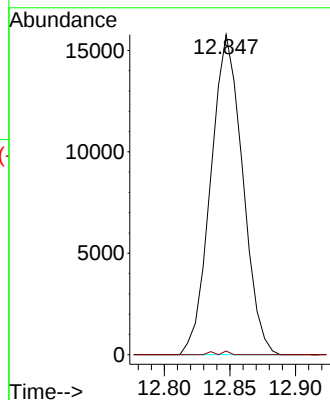
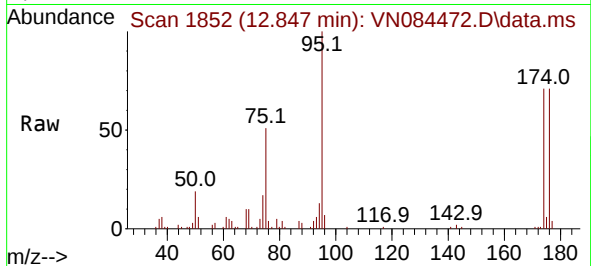




#72
1,2,3-Trichloropropane
Concen: 12.881 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084472.D
Acq: 23 Oct 2024 15:02

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 26682
Ion Ratio Lower Upper
75 100
77 0.2 0.0 414.0



#77
t-1,4-Dichloro-2-butene
Concen: 30.144 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084472.D
Acq: 23 Oct 2024 15:02

Tgt Ion: 75 Resp: 26682
Ion Ratio Lower Upper
75 100
53 0.0 47.3 142.0#
89 0.0 22.9 68.8#

