

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092624\
 Data File : VN084178.D
 Acq On : 26 Sep 2024 15:52
 Operator : JC\MD
 Sample : P4176-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 27 01:10:40 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)

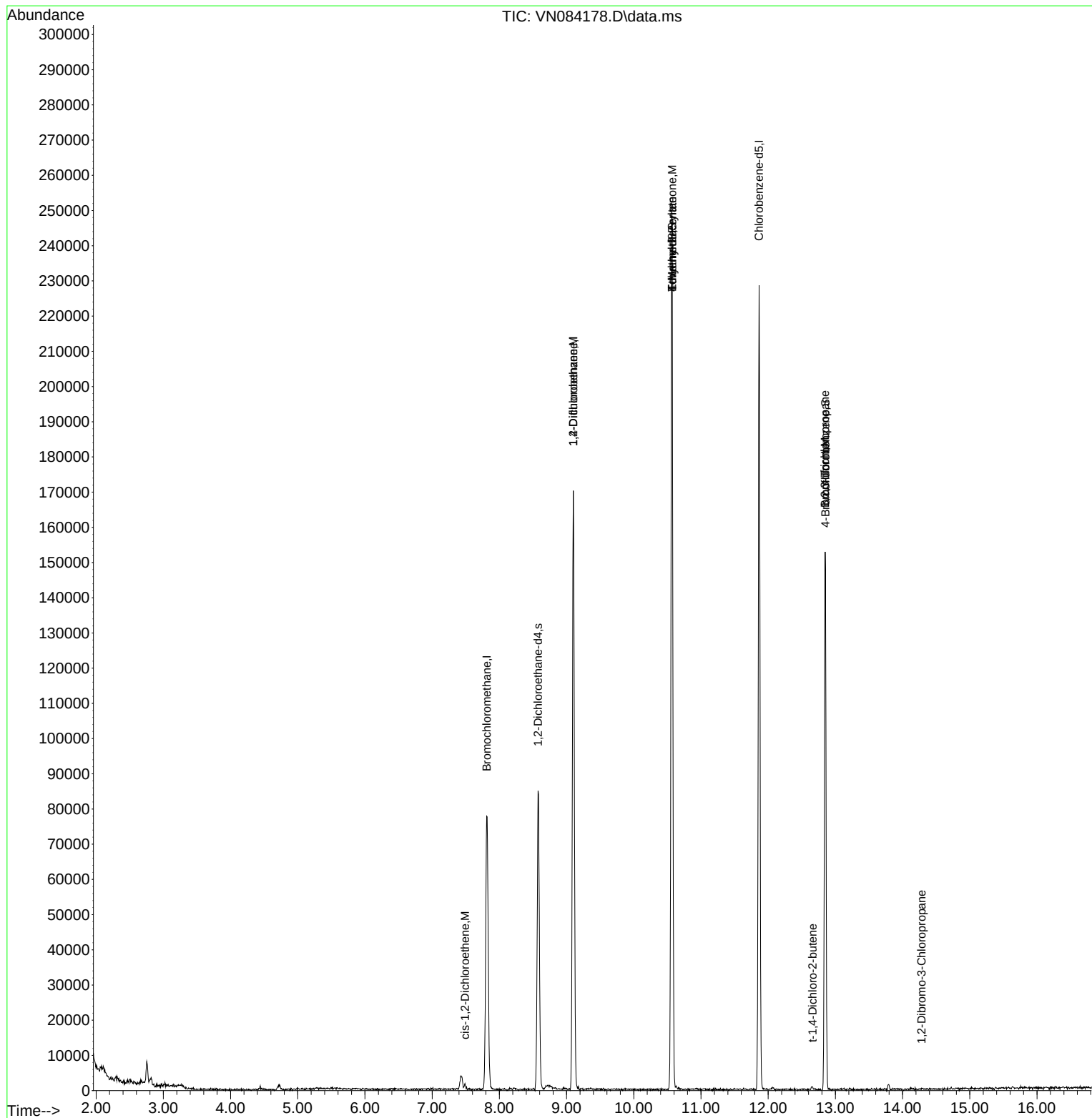
Internal Standards						
1) Bromochloromethane	7.812	128	28263	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	138817	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	127236	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	69719	26.987	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	89.967%#
60) 4-Bromofluorobenzene	12.853	95	54543	24.873	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	82.900%
63) Toluene-d8	10.571	98	173326	29.420	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.067%
Target Compounds						
					Qvalue	
22) cis-1,2-Dichloroethene	7.488	96	456	0.206	ug/l #	55
36) 1,2-Dichloroethane	9.100	62	5776	2.326	ug/l #	72
51) Ethyl methacrylate	10.571	69	645	0.255	ug/l #	77
56) Bromoform	12.847	173	281	0.249	ug/l #	1
58) 4-Methyl-2-Pentanone	10.571	43	814	0.403	ug/l #	1
72) 1,2,3-Trichloropropane	12.847	75	29474	15.750	ug/l	1
77) t-1,4-Dichloro-2-butene	12.659	75	267	0.338	ug/l #	12
88) 1,2-Dibromo-3-Chloropr...	14.282	75	194	0.414	ug/l #	4

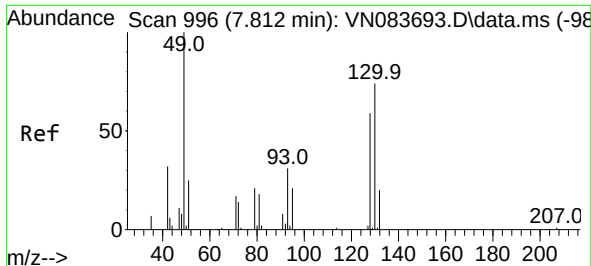
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
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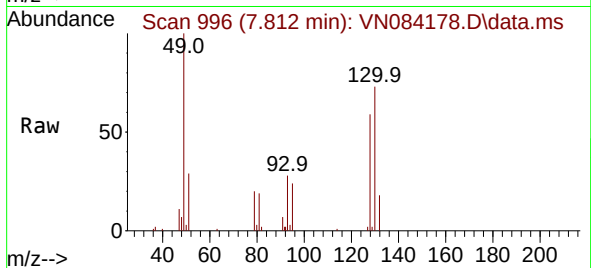
Quant Time: Sep 27 01:10:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 06 23:42:47 2024
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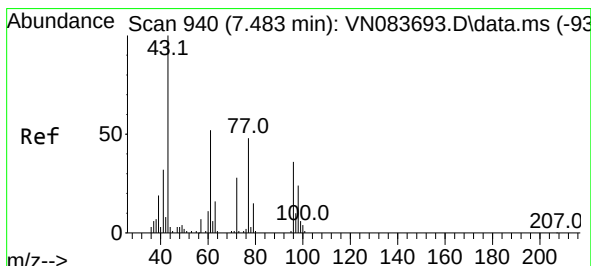
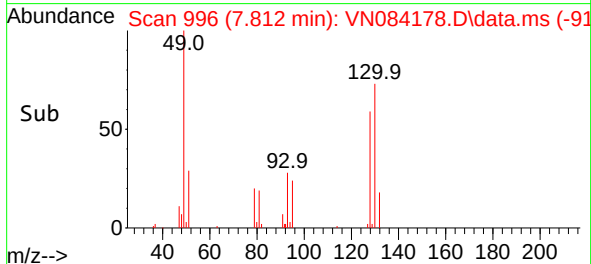
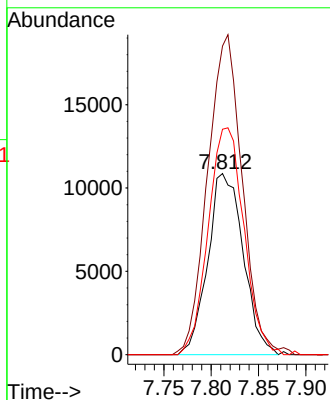


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN084178.D
Acq: 26 Sep 2024 15:52

Instrument :
MSVOA_N
ClientSampleId :

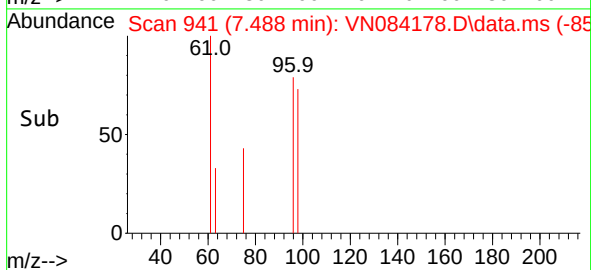
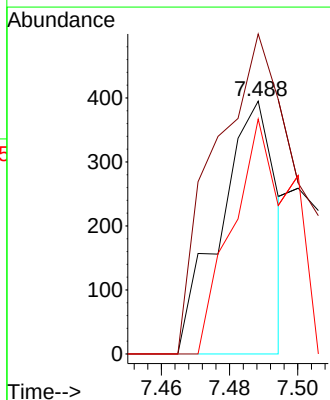
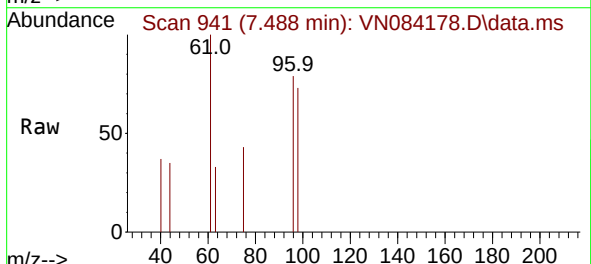


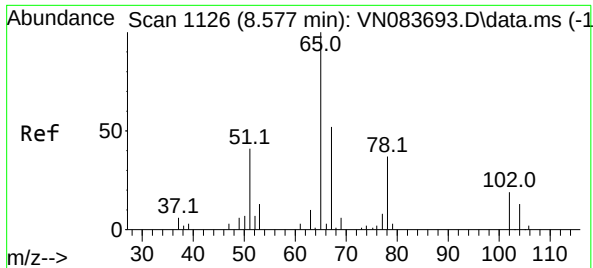
Tgt Ion:128 Resp: 28263
Ion Ratio Lower Upper
128 100
49 171.8 0.0 403.7
130 126.4 0.0 323.3



#22
cis-1,2-Dichloroethene
Concen: 0.206 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN084178.D
Acq: 26 Sep 2024 15:52

Tgt Ion: 96 Resp: 456
Ion Ratio Lower Upper
96 100
61 199.1 113.5 170.3#
98 96.5 52.0 78.0#

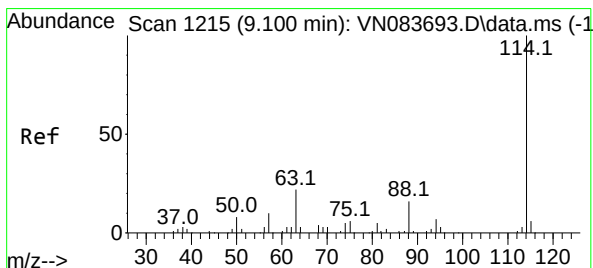
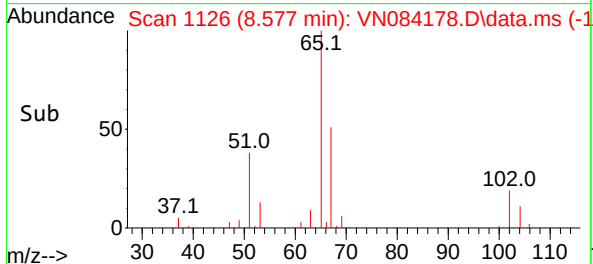
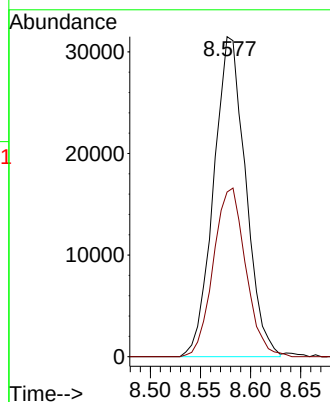
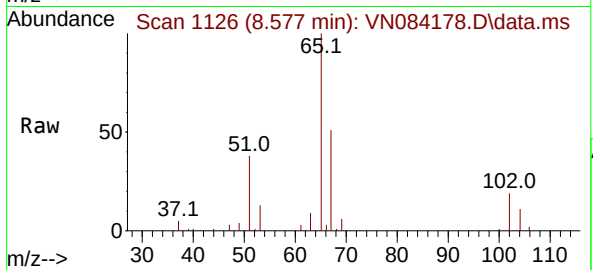




#27
1,2-Dichloroethane-d4
Concen: 26.987 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084178.D
Acq: 26 Sep 2024 15:52

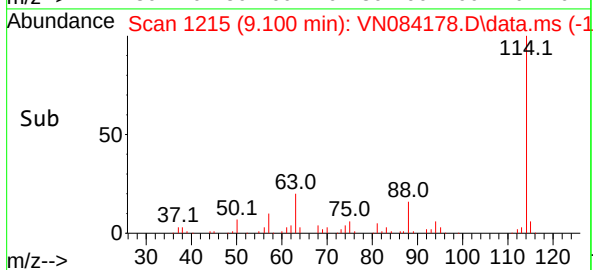
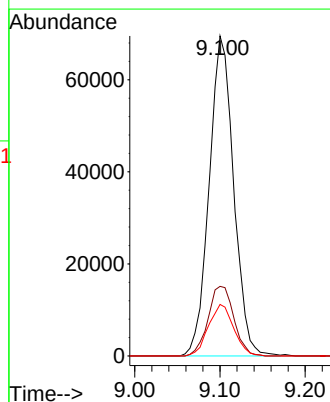
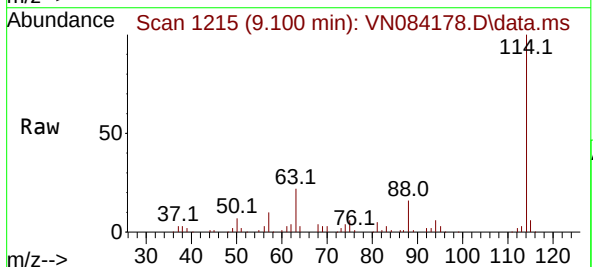
Instrument :
MSVOA_N
ClientSampleId :

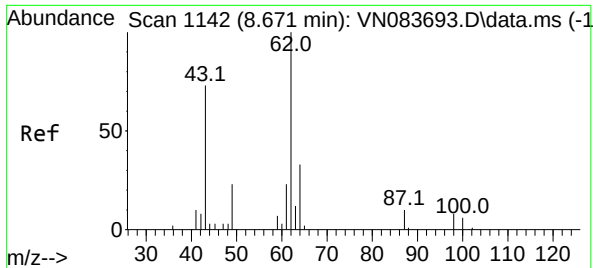
Tgt Ion: 65 Resp: 69719
Ion Ratio Lower Upper
65 100
67 53.4 43.2 64.8



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN084178.D
Acq: 26 Sep 2024 15:52

Tgt Ion: 114 Resp: 138817
Ion Ratio Lower Upper
114 100
63 22.8 15.9 23.9
88 16.6 12.7 19.1





#36

1,2-Dichloroethane

Concen: 2.326 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.429 min

Lab File: VN084178.D

Acq: 26 Sep 2024 15:52

Instrument :

MSVOA_N

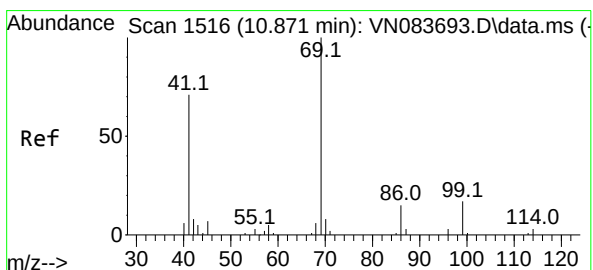
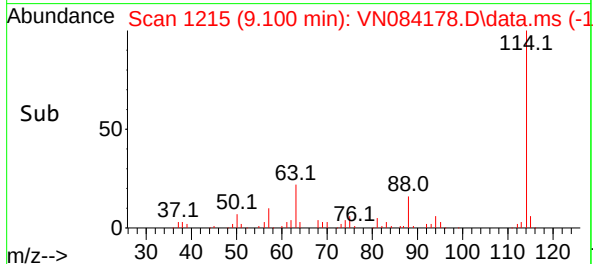
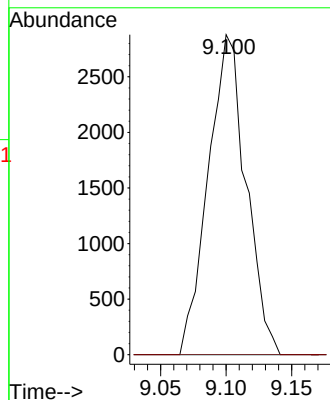
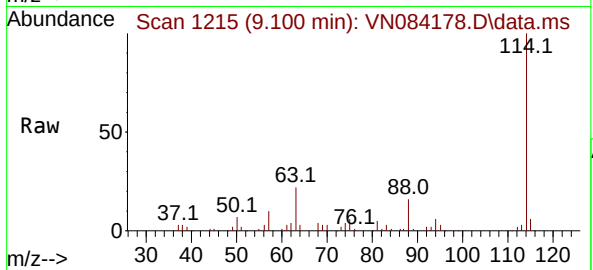
ClientSampleId :

Tgt Ion: 62 Resp: 5776

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.4#



#51

Ethyl methacrylate

Concen: 0.255 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.300 min

Lab File: VN084178.D

Acq: 26 Sep 2024 15:52

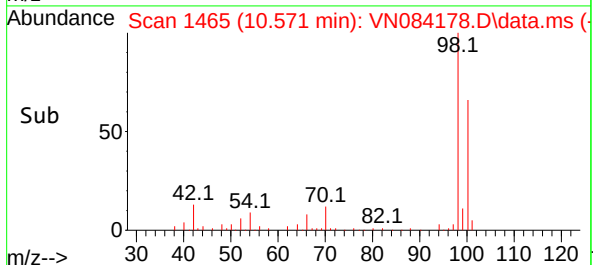
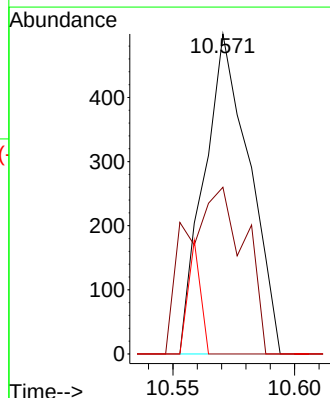
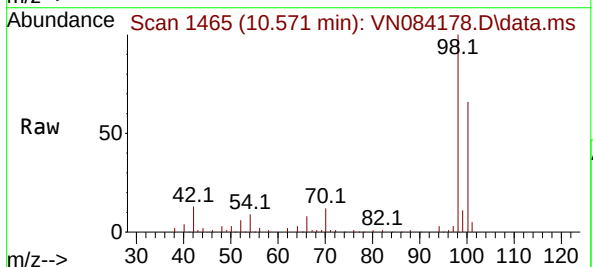
Tgt Ion: 69 Resp: 645

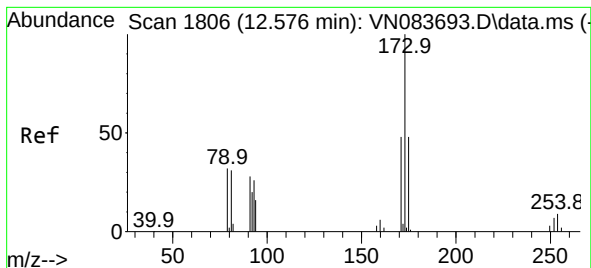
Ion Ratio Lower Upper

69 100

41 52.1 25.5 76.5

39 0.0 16.0 47.9#





#56

Bromoform

Concen: 0.249 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.271 min

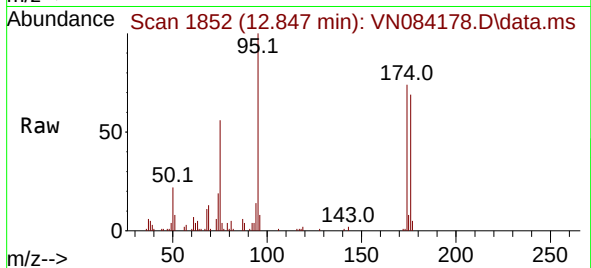
Lab File: VN084178.D

Acq: 26 Sep 2024 15:52

Instrument :

MSVOA_N

ClientSampleId :



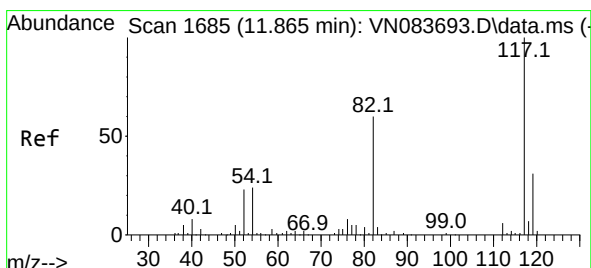
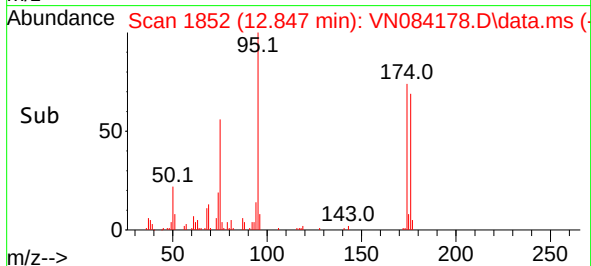
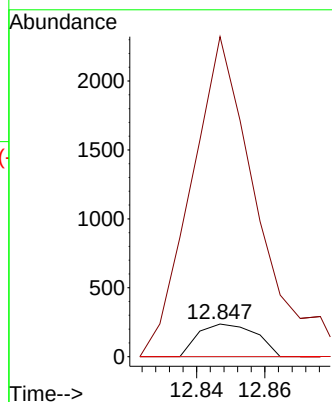
Tgt Ion:173 Resp: 281

Ion Ratio Lower Upper

173 100

175 1093.6 40.0 60.0#

254 0.0 8.3 12.5#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VN084178.D

Acq: 26 Sep 2024 15:52

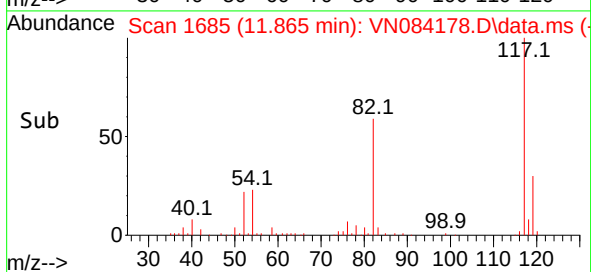
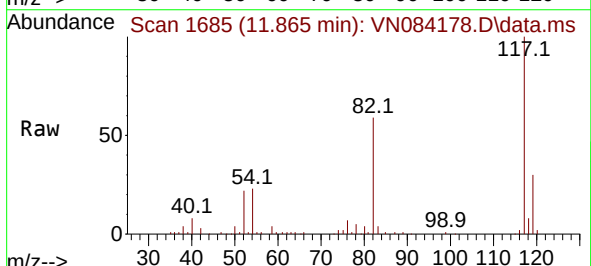
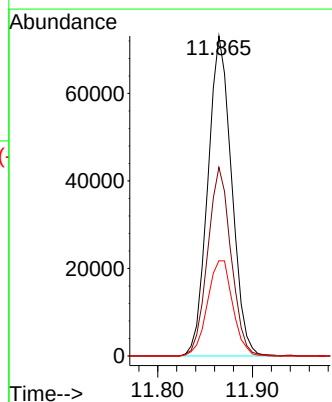
Tgt Ion:117 Resp: 127236

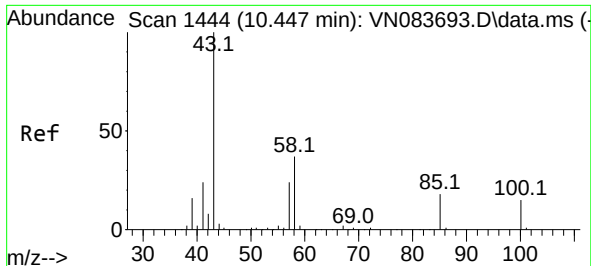
Ion Ratio Lower Upper

117 100

82 58.1 46.6 69.8

119 31.8 25.4 38.2





#58

4-Methyl-2-Pentanone

Concen: 0.403 ug/l

RT: 10.571 min Scan# 14

Delta R.T. 0.123 min

Lab File: VN084178.D

Acq: 26 Sep 2024 15:52

Instrument :

MSVOA_N

ClientSampleId :

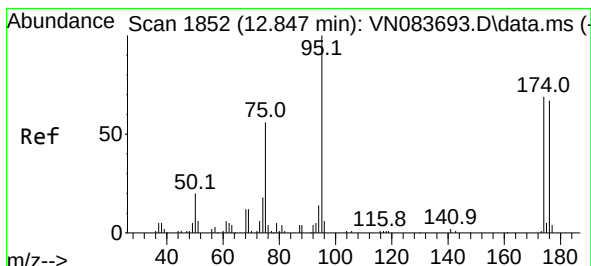
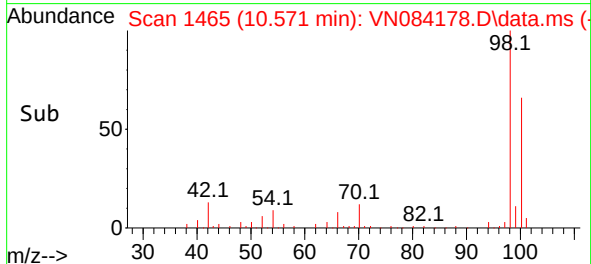
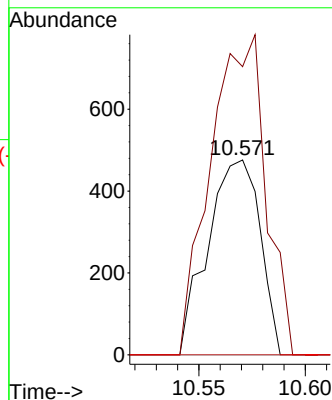
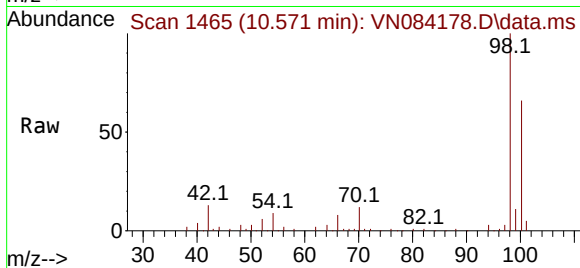
Tgt Ion: 43 Resp: 814

Ion Ratio Lower Upper

43 100

58 173.2 36.5 54.7#

85 0.0 19.5 29.3#



#60

4-Bromofluorobenzene

Concen: 24.873 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.006 min

Lab File: VN084178.D

Acq: 26 Sep 2024 15:52

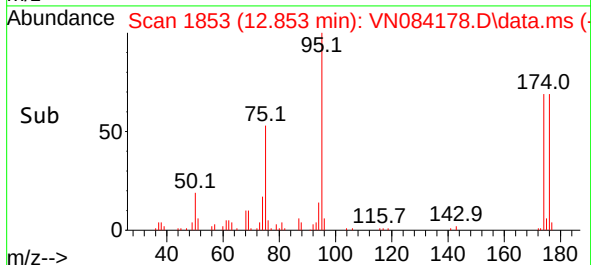
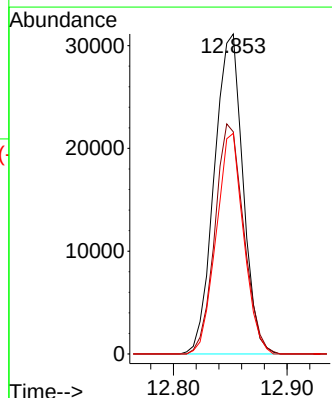
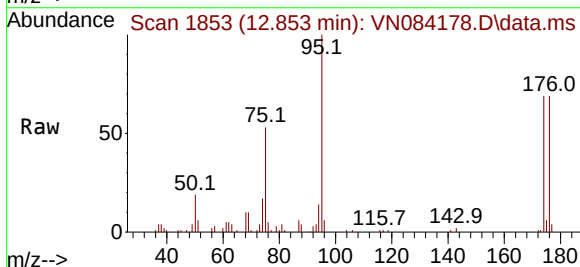
Tgt Ion: 95 Resp: 54543

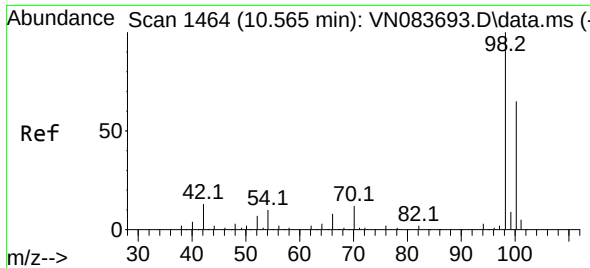
Ion Ratio Lower Upper

95 100

174 72.3 60.5 90.7

176 66.1 57.8 86.6

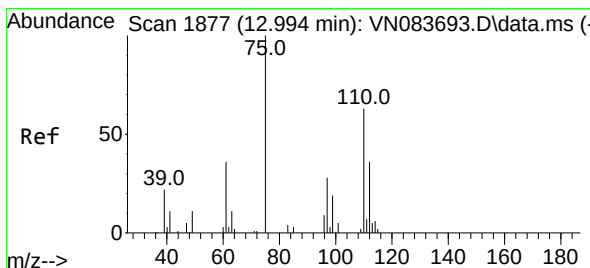
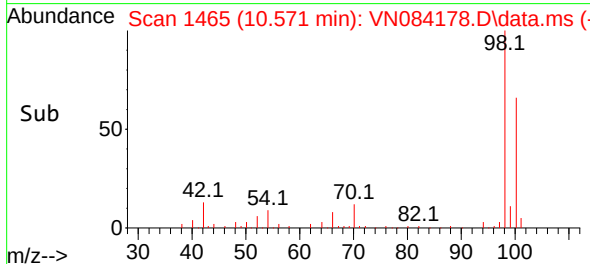
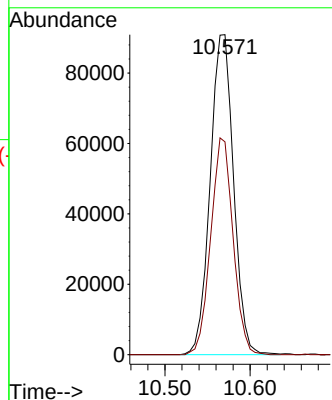
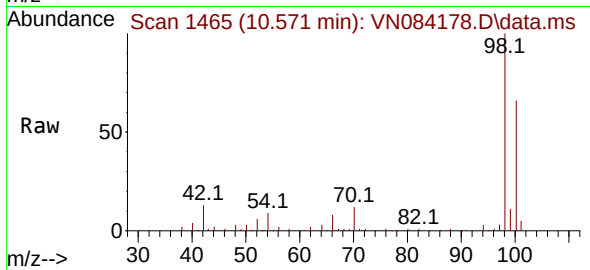




#63
Toluene-d8
Concen: 29.420 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN084178.D
Acq: 26 Sep 2024 15:52

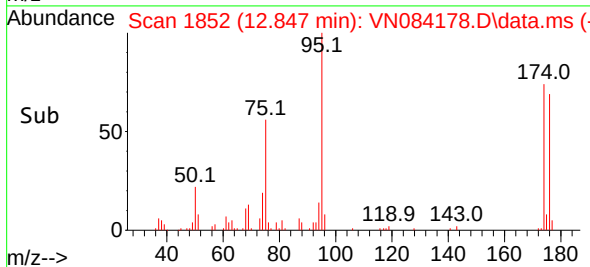
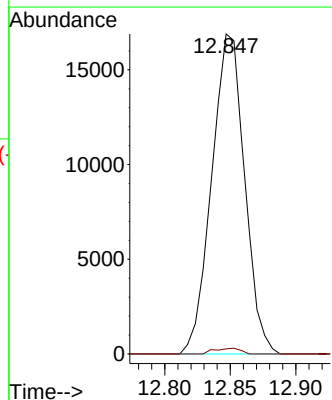
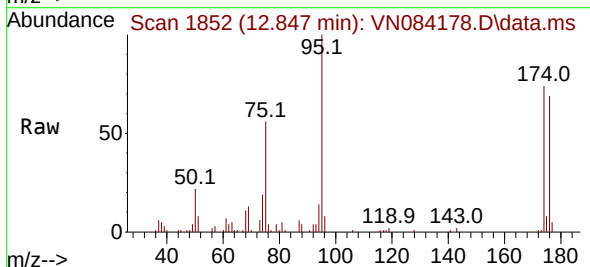
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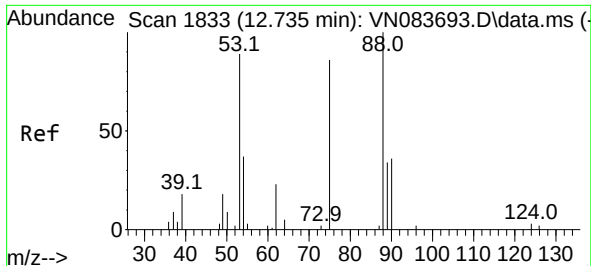
Tgt Ion: 98 Resp: 173326
Ion Ratio Lower Upper
98 100
100 64.7 52.7 79.1



#72
1,2,3-Trichloropropane
Concen: 15.750 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN084178.D
Acq: 26 Sep 2024 15:52

Tgt Ion: 75 Resp: 29474
Ion Ratio Lower Upper
75 100
77 1.4 0.0 367.6





#77

t-1,4-Dichloro-2-butene

Concen: 0.338 ug/l

RT: 12.659 min Scan# 11

Delta R.T. -0.077 min

Lab File: VN084178.D

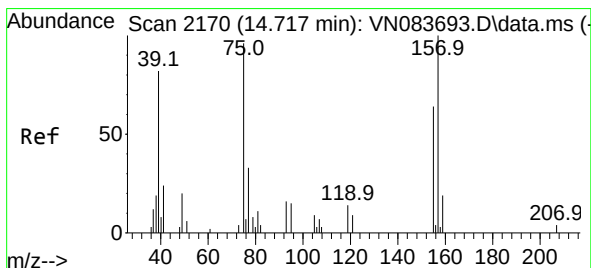
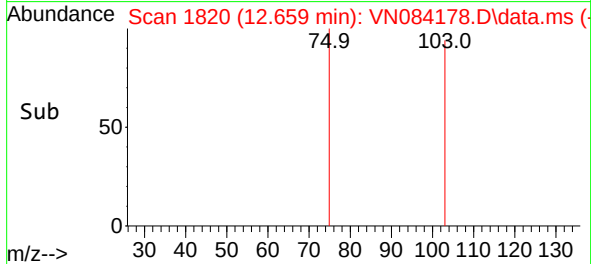
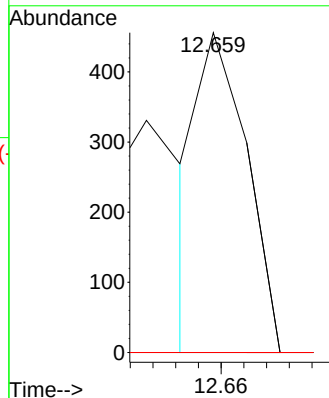
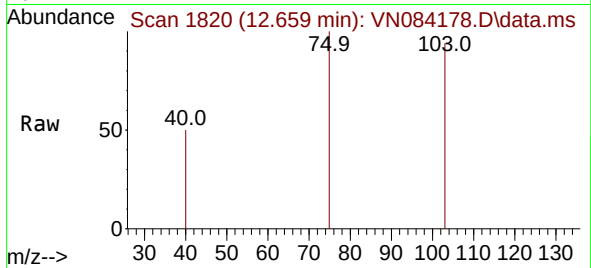
Acq: 26 Sep 2024 15:52

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	75	Resp:	267
Ion	Ratio	Lower	Upper
75	100		
53	0.0	45.9	137.7#
89	0.0	25.9	77.7#



#88

1,2-Dibromo-3-Chloropropane

Concen: 0.414 ug/l

RT: 14.282 min Scan# 2096

Delta R.T. -0.435 min

Lab File: VN084178.D

Acq: 26 Sep 2024 15:52

Tgt Ion:	75	Resp:	194
Ion	Ratio	Lower	Upper
75	100		
155	0.0	61.7	92.5#
157	0.0	83.6	125.4#

