

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091324\
 Data File : VN083877.D
 Acq On : 13 Sep 2024 18:07
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 13 23:55:31 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)

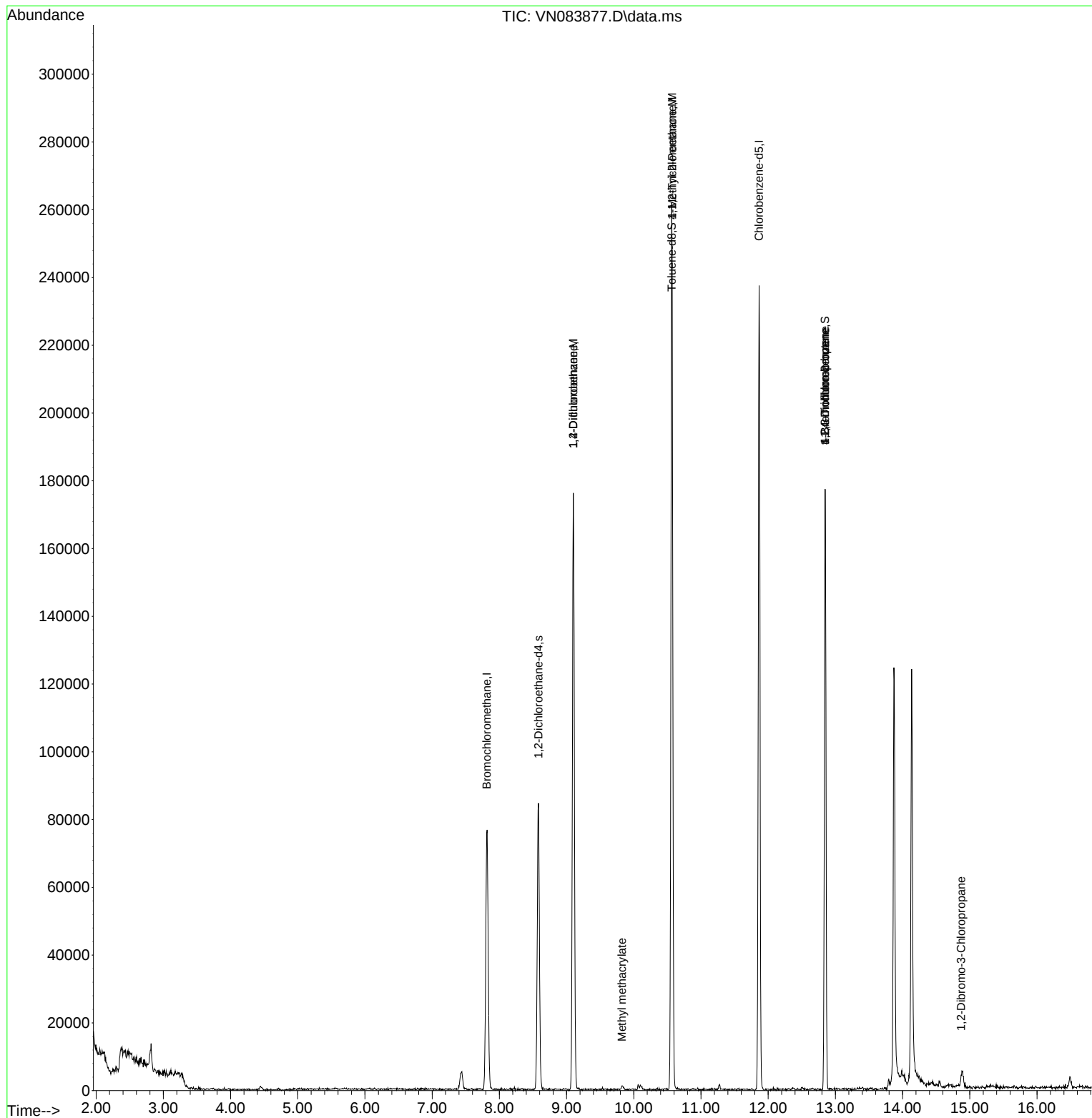
Internal Standards						
1) Bromochloromethane	7.812	128	15360	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	142207	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	127373	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	71994	51.277	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	170.933%#
60) 4-Bromofluorobenzene	12.847	95	58993	26.873	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	89.567%
63) Toluene-d8	10.565	98	176317	29.895	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.667%
Target Compounds						
					Qvalue	
36) 1,2-Dichloroethane	9.100	62	5945	2.337	ug/l #	72
46) Methyl methacrylate	9.824	41	418	0.233	ug/l #	8
50) 1,1,2-Trichloroethane	10.571	97	5610	3.702	ug/l #	1
58) 4-Methyl-2-Pentanone	10.571	43	824	0.408	ug/l #	1
72) 1,2,3-Trichloropropane	12.847	75	33695	17.986	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.847	75	33695	42.552	ug/l #	12
88) 1,2-Dibromo-3-Chloropr...	14.870	75	112	0.239	ug/l #	4

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

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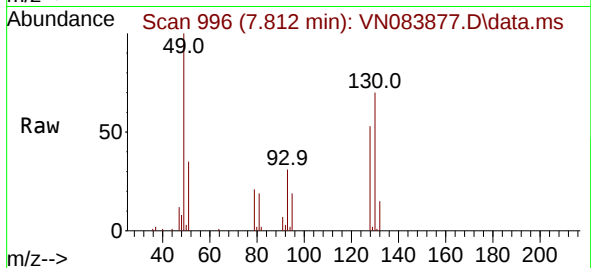
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 06 23:42:47 2024
Response via : Initial Calibration



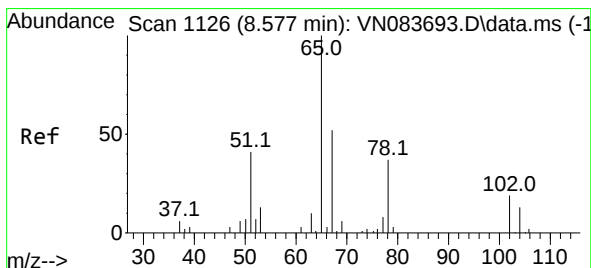
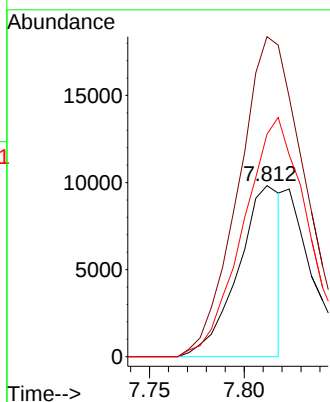
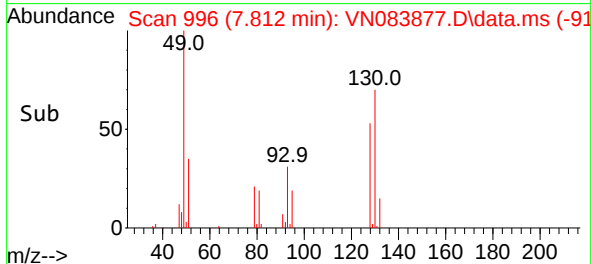


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN083877.D
Acq: 13 Sep 2024 18:07

Instrument :
MSVOA_N
ClientSampleId :

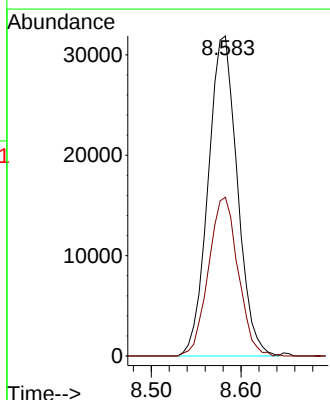
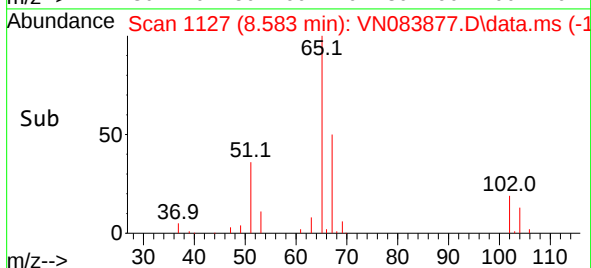
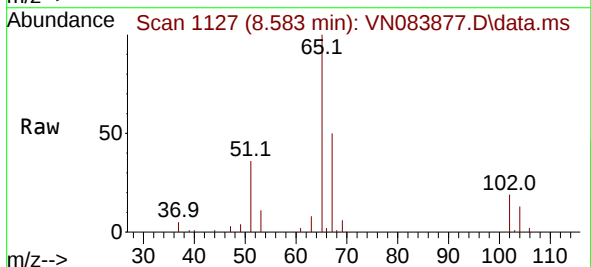


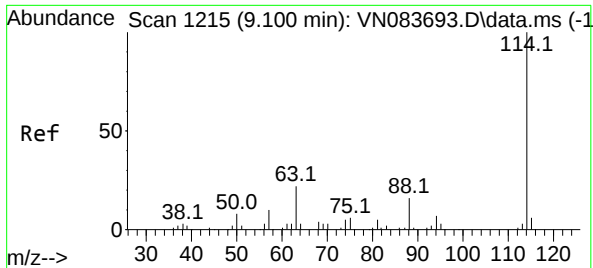
Tgt Ion:128 Resp: 15360
Ion Ratio Lower Upper
128 100
49 293.8 0.0 403.7
130 213.8 0.0 323.3



#27
1,2-Dichloroethane-d4
Concen: 51.277 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN083877.D
Acq: 13 Sep 2024 18:07

Tgt Ion: 65 Resp: 71994
Ion Ratio Lower Upper
65 100
67 50.2 43.2 64.8

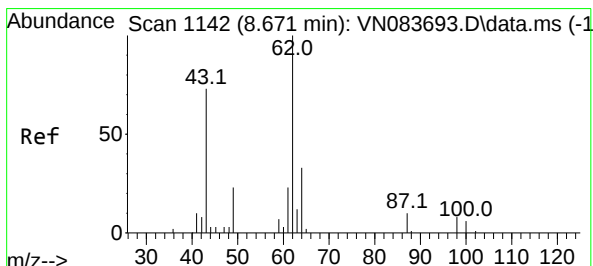
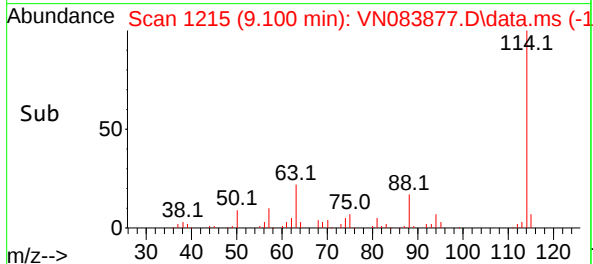
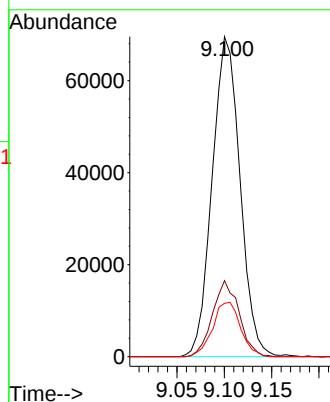
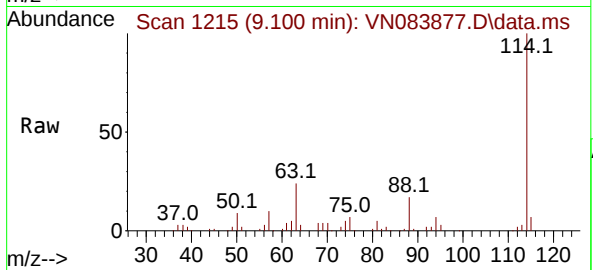




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN083877.D
Acq: 13 Sep 2024 18:07

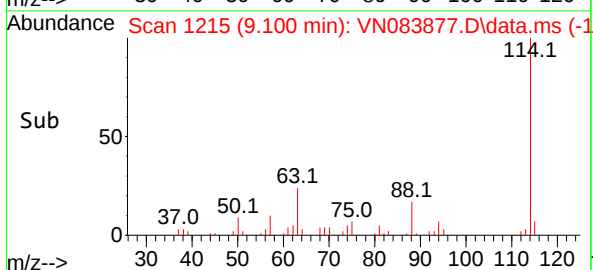
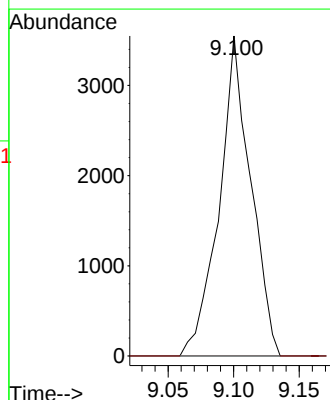
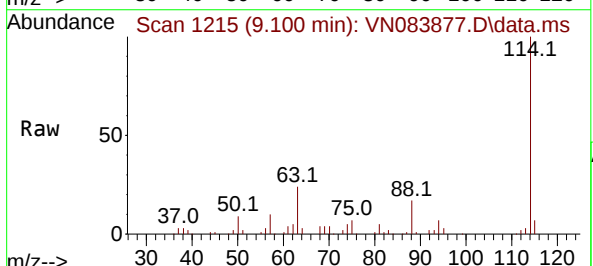
Instrument :
MSVOA_N
ClientSampleId :

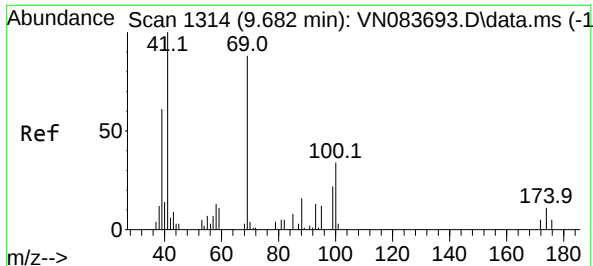
Tgt Ion:114 Resp: 142207
Ion Ratio Lower Upper
114 100
63 22.7 15.9 23.9
88 17.1 12.7 19.1



#36
1,2-Dichloroethane
Concen: 2.337 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.429 min
Lab File: VN083877.D
Acq: 13 Sep 2024 18:07

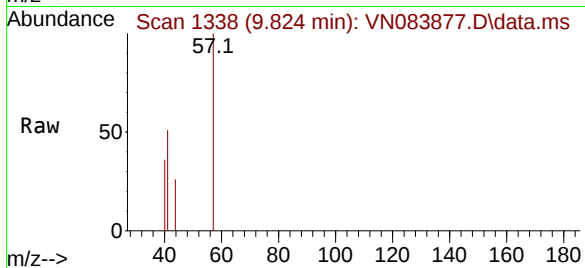
Tgt Ion: 62 Resp: 5945
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.4#



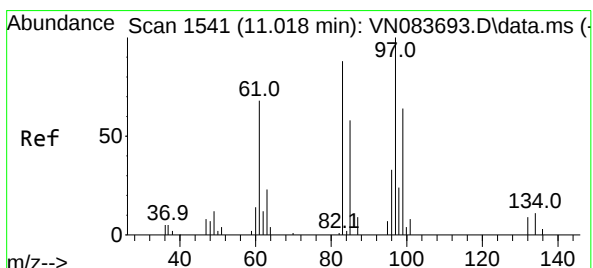
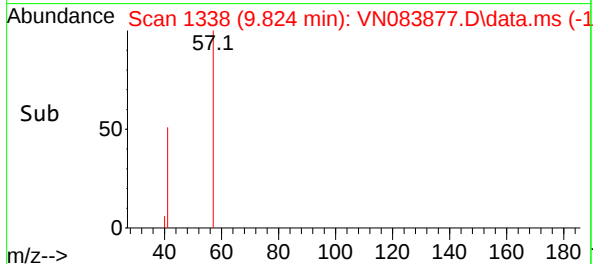
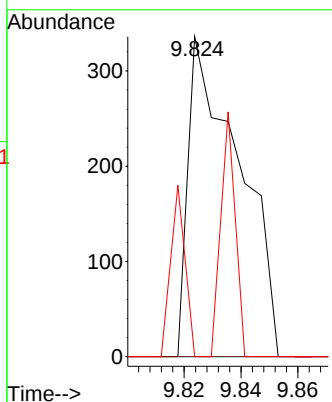


#46
Methyl methacrylate
Concen: 0.233 ug/l
RT: 9.824 min Scan# 11
Delta R.T. 0.141 min
Lab File: VN083877.D
Acq: 13 Sep 2024 18:07

Instrument :
MSVOA_N
ClientSampleId :

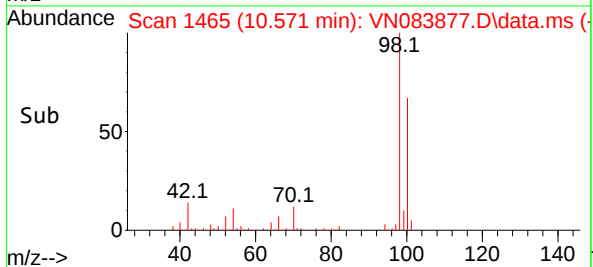
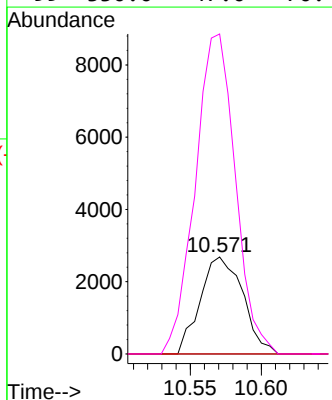
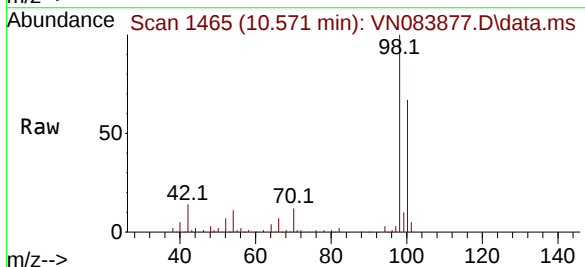


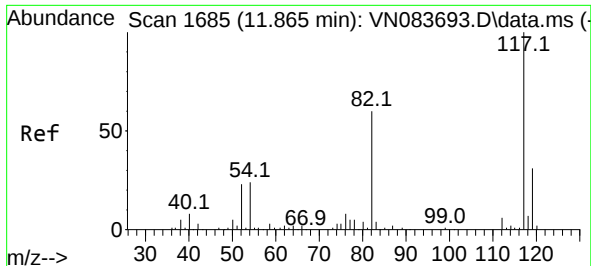
Tgt Ion: 41 Resp: 418
Ion Ratio Lower Upper
41 100
69 0.0 51.1 153.3#
39 0.0 25.8 77.3#



#50
1,1,2-Trichloroethane
Concen: 3.702 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.447 min
Lab File: VN083877.D
Acq: 13 Sep 2024 18:07

Tgt Ion: 97 Resp: 5610
Ion Ratio Lower Upper
97 100
83 0.0 68.1 102.1#
85 0.0 41.8 62.6#
99 330.0 47.0 70.4#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

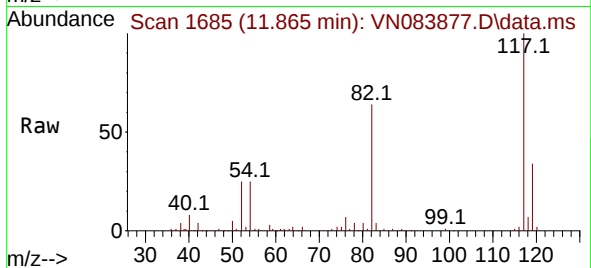
Lab File: VN083877.D

Acq: 13 Sep 2024 18:07

Instrument :

MSVOA_N

ClientSampleId :



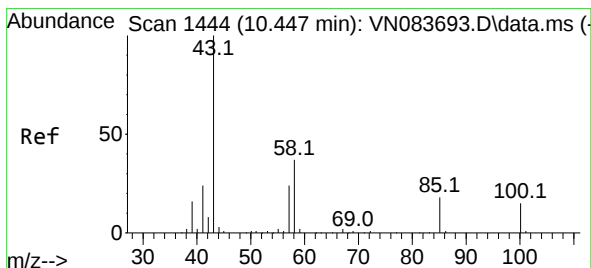
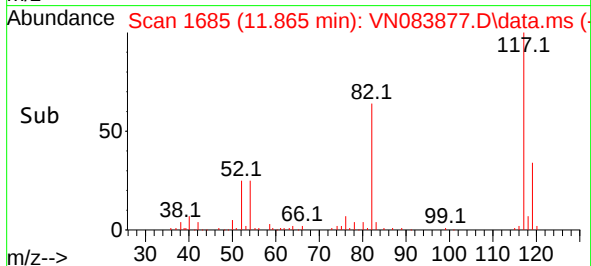
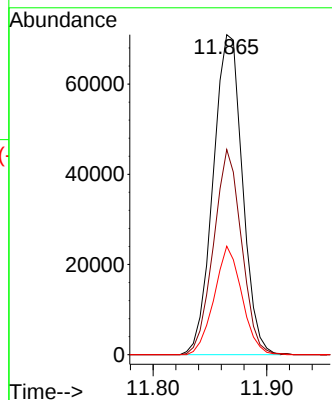
Tgt Ion:117 Resp: 127373

Ion Ratio Lower Upper

117 100

82 61.3 46.6 69.8

119 32.1 25.4 38.2



#58

4-Methyl-2-Pentanone

Concen: 0.408 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.124 min

Lab File: VN083877.D

Acq: 13 Sep 2024 18:07

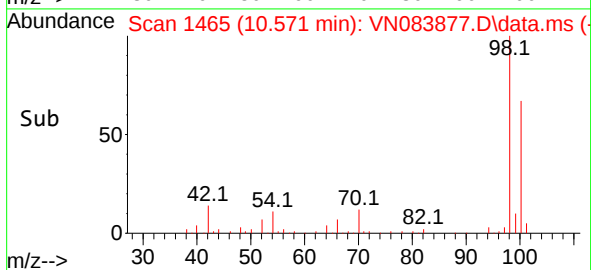
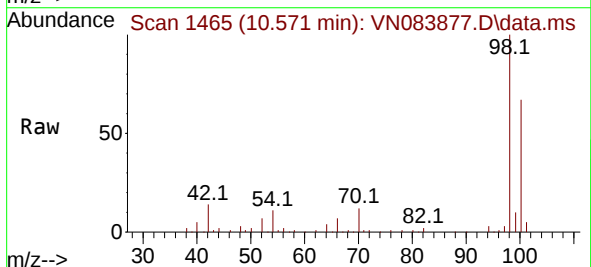
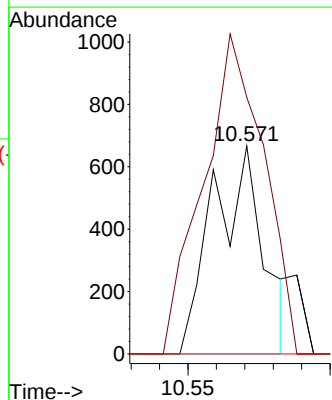
Tgt Ion: 43 Resp: 824

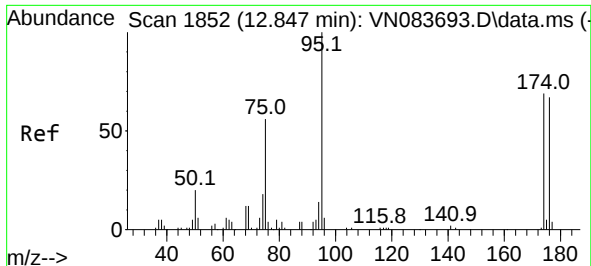
Ion Ratio Lower Upper

43 100

58 184.8 36.5 54.7#

85 0.0 19.5 29.3#

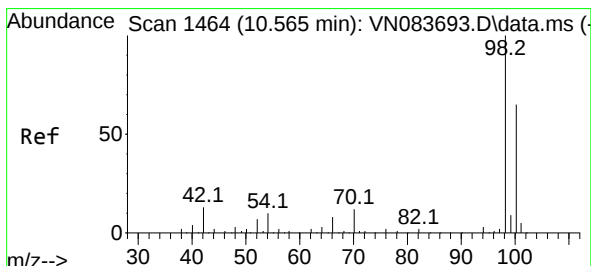
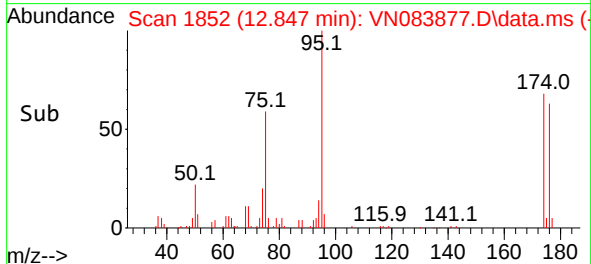
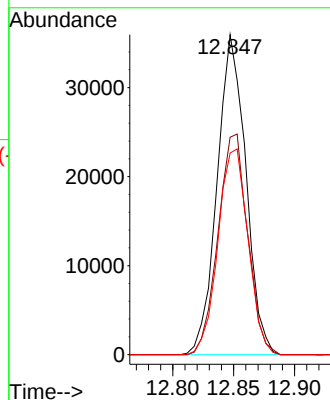
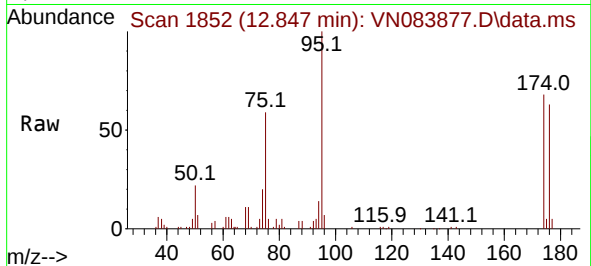




#60
4-Bromofluorobenzene
Concen: 26.873 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN083877.D
Acq: 13 Sep 2024 18:07

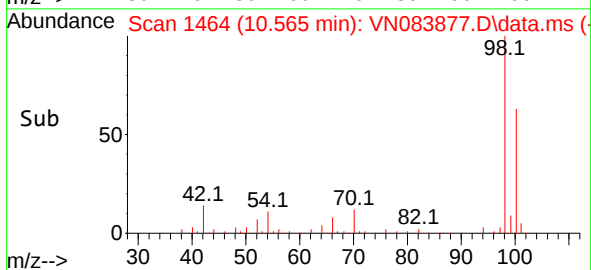
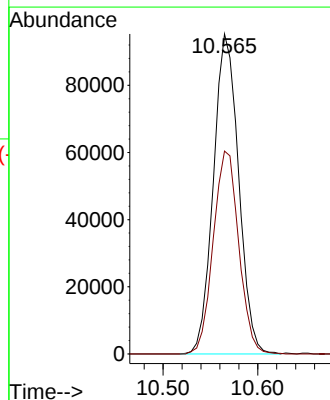
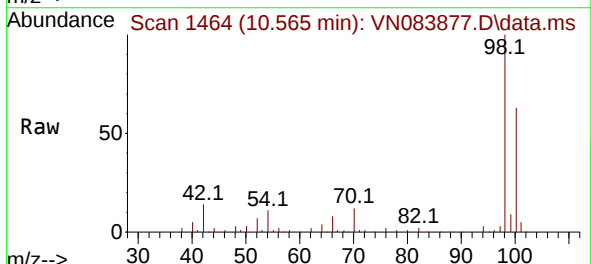
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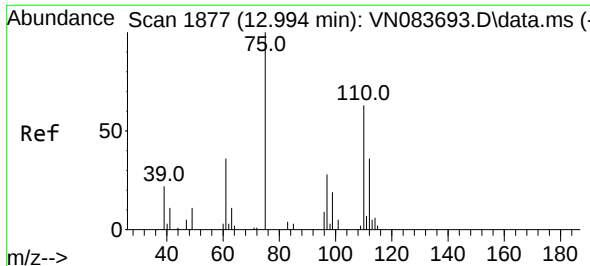
Tgt Ion: 95 Resp: 58993
Ion Ratio Lower Upper
95 100
174 71.0 60.5 90.7
176 67.3 57.8 86.6



#63
Toluene-d8
Concen: 29.895 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN083877.D
Acq: 13 Sep 2024 18:07

Tgt Ion: 98 Resp: 176317
Ion Ratio Lower Upper
98 100
100 64.1 52.7 79.1

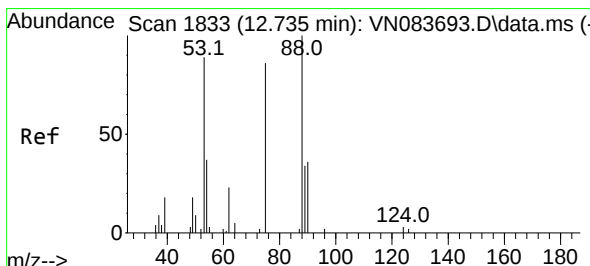
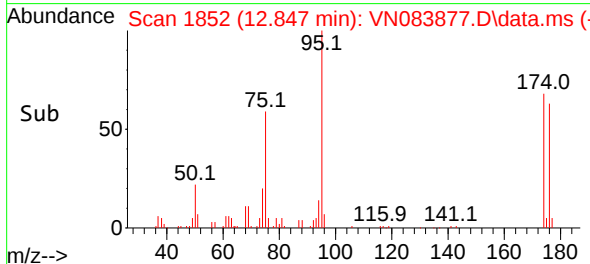
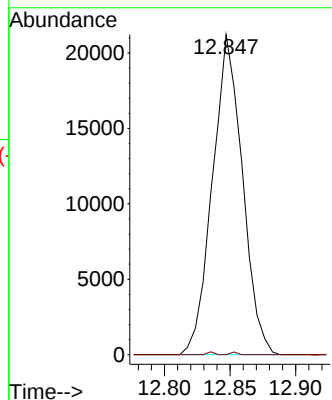
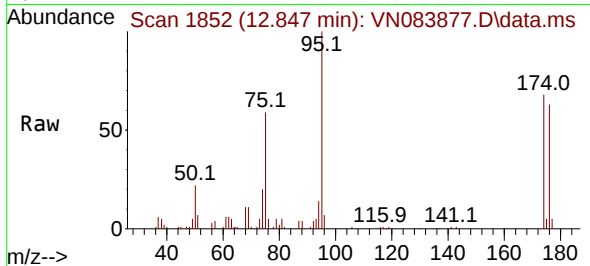




#72
1,2,3-Trichloropropane
Concen: 17.986 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083877.D
Acq: 13 Sep 2024 18:07

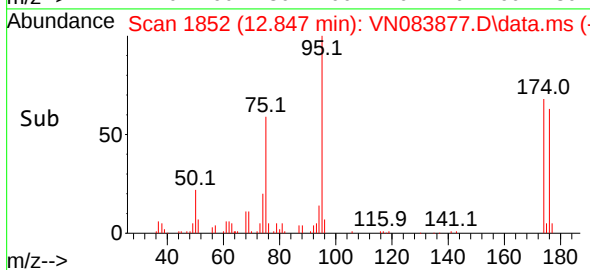
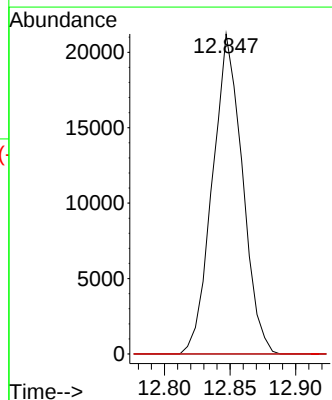
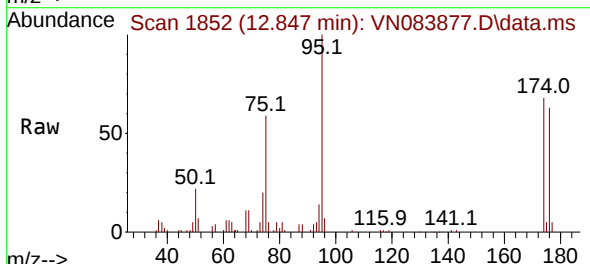
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ClientSampleId :

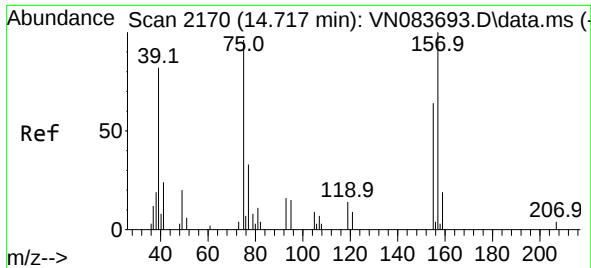
Tgt Ion: 75 Resp: 33695
Ion Ratio Lower Upper
75 100
77 0.0 0.0 367.6



#77
t-1,4-Dichloro-2-butene
Concen: 42.552 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083877.D
Acq: 13 Sep 2024 18:07

Tgt Ion: 75 Resp: 33695
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: 0.239 ug/l

RT: 14.870 min Scan# 21

Delta R.T. 0.153 min

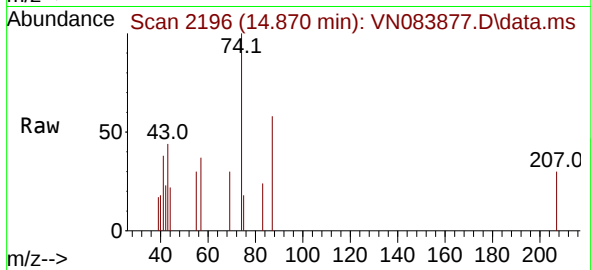
Lab File: VN083877.D

Acq: 13 Sep 2024 18:07

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 75 Resp: 112

Ion Ratio Lower Upper

75 100

155 0.0 61.7 92.5#

157 0.0 83.6 125.4#

