

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092024\
 Data File : VN084065.D
 Acq On : 20 Sep 2024 12:44
 Operator : JC\MD
 Sample : P4110-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 20 23:25:20 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)

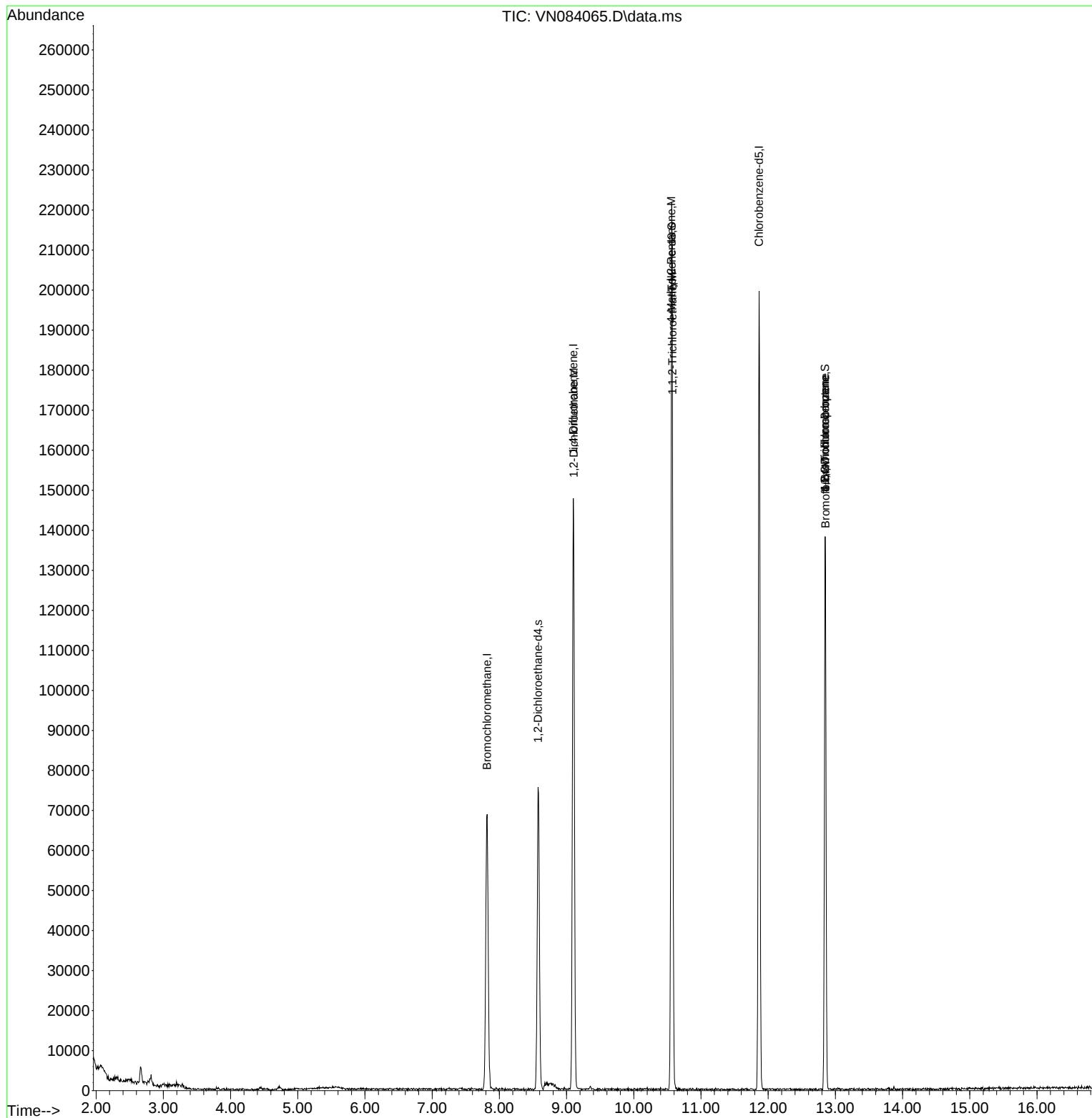
Internal Standards						
1) Bromochloromethane	7.818	128	23156	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	120307	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	108450	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	64735	30.584	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.933%			
60) 4-Bromofluorobenzene	12.847	95	45494	24.340	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 81.133%			
63) Toluene-d8	10.565	98	149829	29.837	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.467%			
Target Compounds						
					Qvalue	
36) 1,2-Dichloroethane	9.106	62	5180	2.407	ug/l #	72
50) 1,1,2-Trichloroethane	10.576	97	5080	3.962	ug/l #	1
56) Bromoform	12.853	173	214	0.219	ug/l #	1
58) 4-Methyl-2-Pentanone	10.559	43	639	0.372	ug/l #	1
72) 1,2,3-Trichloropropane	12.847	75	25992	16.295	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	25992	38.551	ug/l #	12

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

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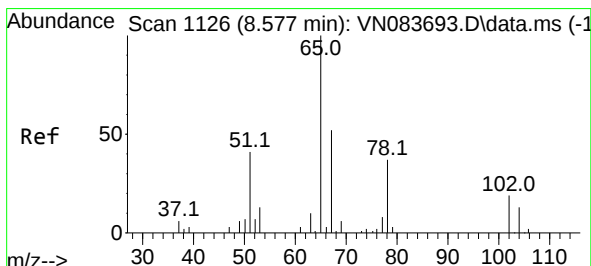
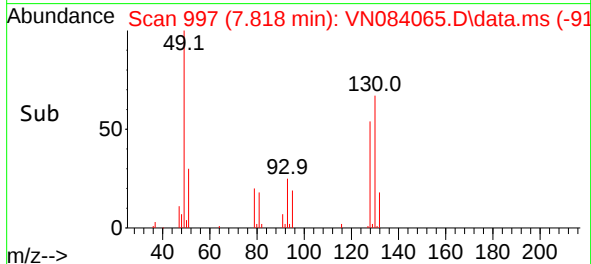
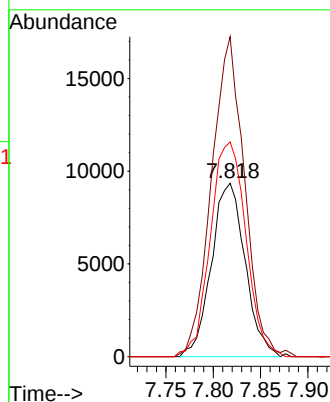
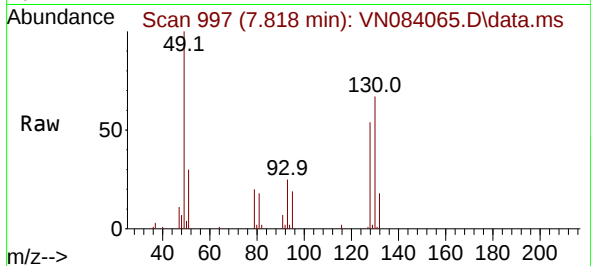




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN084065.D
Acq: 20 Sep 2024 12:44

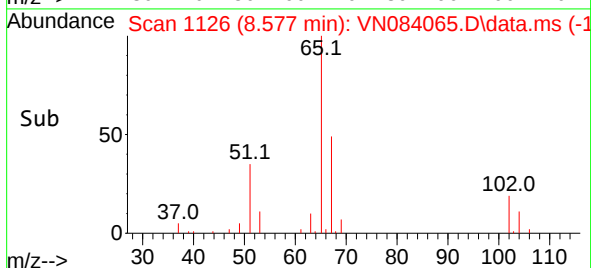
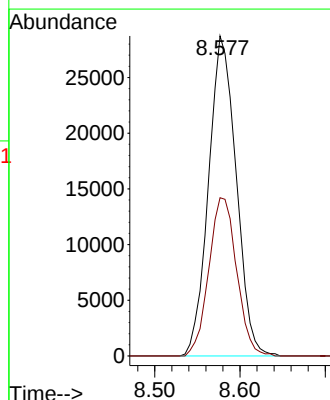
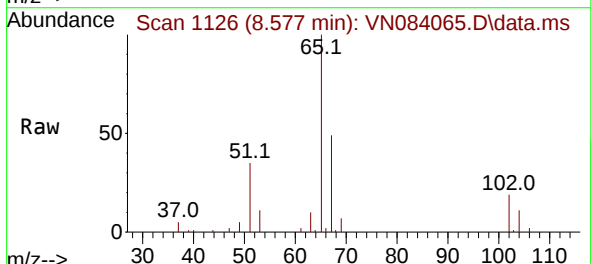
Instrument :
MSVOA_N
ClientSampleId :

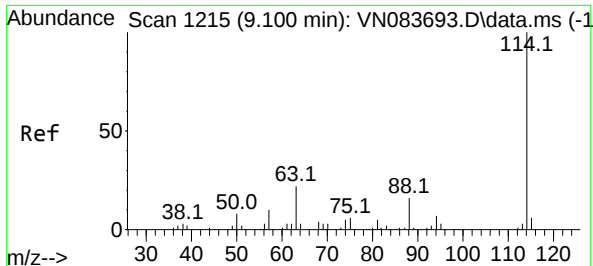
Tgt Ion:128 Resp: 23156
Ion Ratio Lower Upper
128 100
49 179.9 0.0 403.7
130 130.8 0.0 323.3



#27
1,2-Dichloroethane-d4
Concen: 30.584 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084065.D
Acq: 20 Sep 2024 12:44

Tgt Ion: 65 Resp: 64735
Ion Ratio Lower Upper
65 100
67 49.7 43.2 64.8

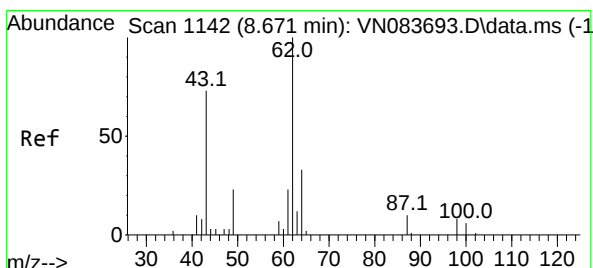
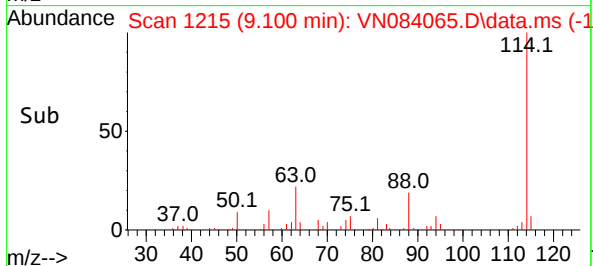
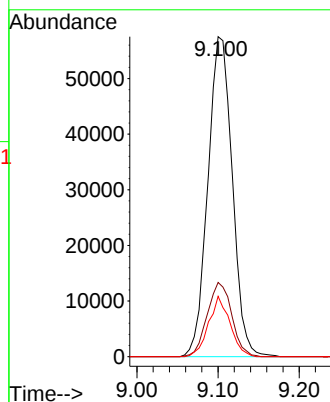
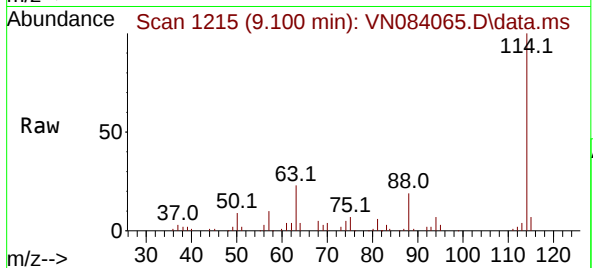




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084065.D
Acq: 20 Sep 2024 12:44

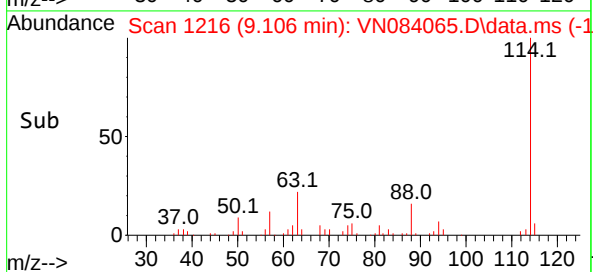
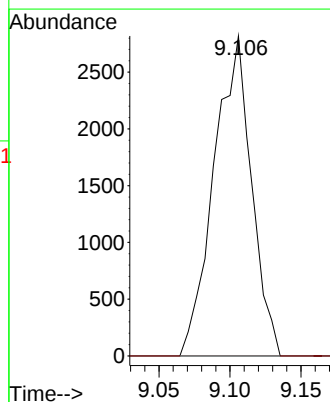
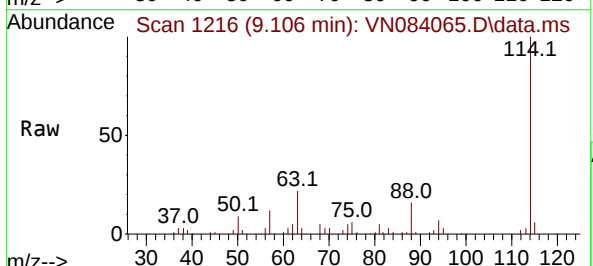
Instrument :
MSVOA_N
ClientSampleId :

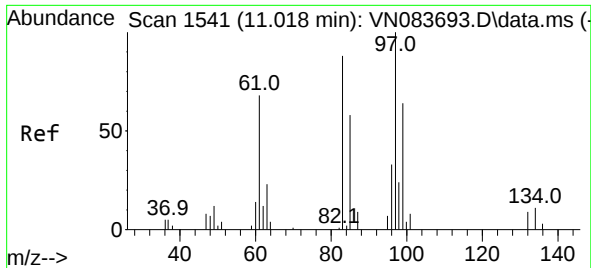
Tgt Ion:114 Resp: 120307
Ion Ratio Lower Upper
114 100
63 23.3 15.9 23.9
88 16.5 12.7 19.1



#36
1,2-Dichloroethane
Concen: 2.407 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.435 min
Lab File: VN084065.D
Acq: 20 Sep 2024 12:44

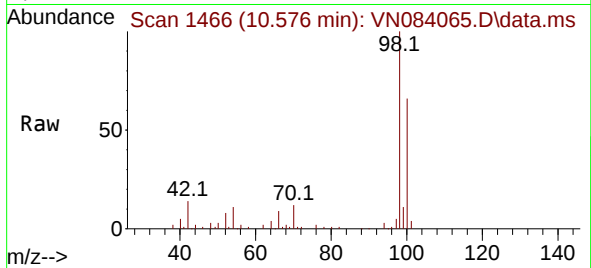
Tgt Ion: 62 Resp: 5180
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.4#



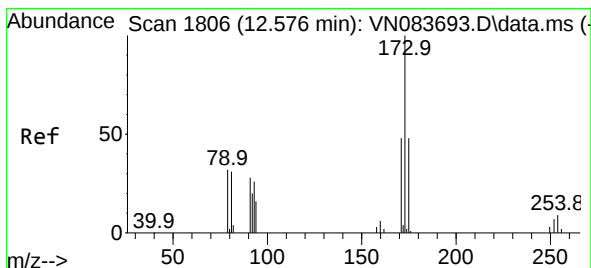
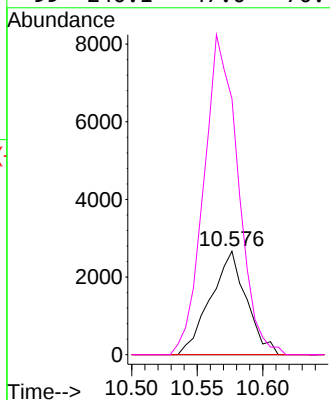
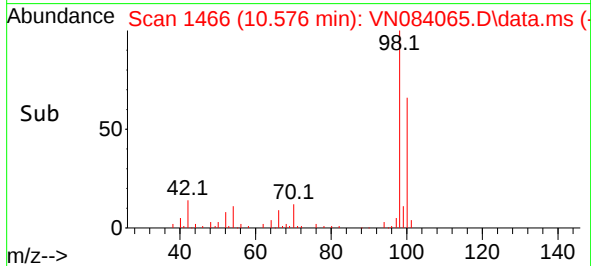


#50
1,1,2-Trichloroethane
Concen: 3.962 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. -0.441 min
Lab File: VN084065.D
Acq: 20 Sep 2024 12:44

Instrument :
MSVOA_N
ClientSampleId :

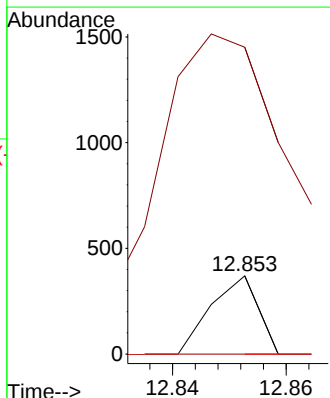
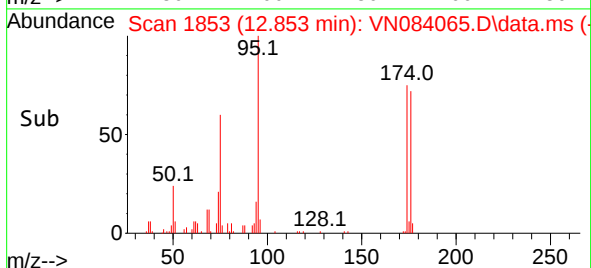
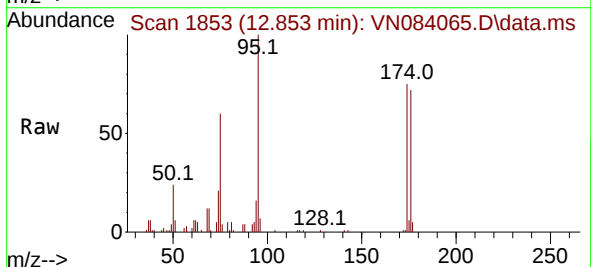


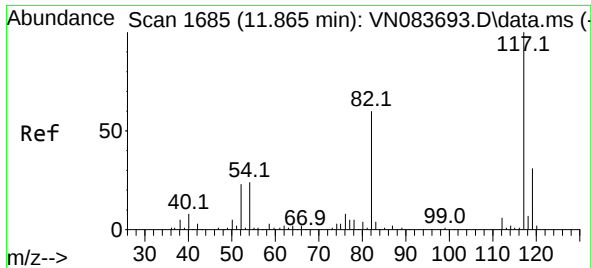
Tgt Ion: 97 Resp: 5080
Ion Ratio Lower Upper
97 100
83 0.0 68.1 102.1#
85 0.0 41.8 62.6#
99 240.1 47.0 70.4#



#56
Bromoform
Concen: 0.219 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.276 min
Lab File: VN084065.D
Acq: 20 Sep 2024 12:44

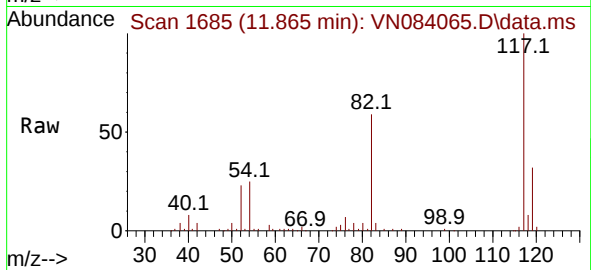
Tgt Ion:173 Resp: 214
Ion Ratio Lower Upper
173 100
175 1191.6 40.0 60.0#
254 0.0 8.3 12.5#



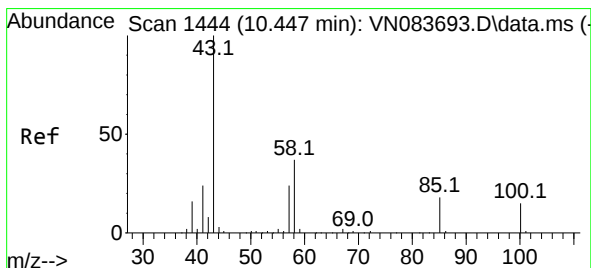
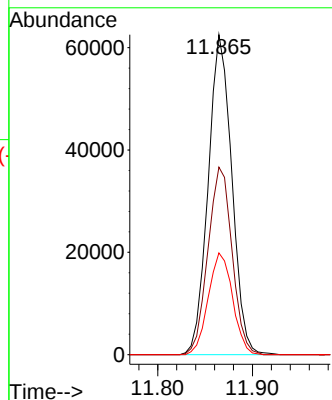
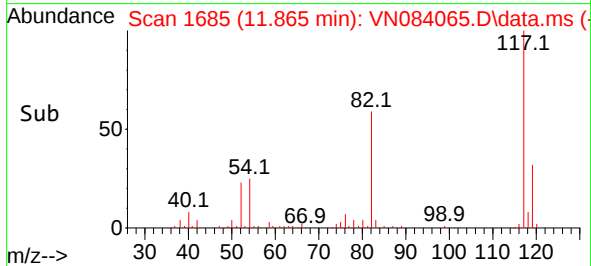


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN084065.D
Acq: 20 Sep 2024 12:44

Instrument :
MSVOA_N
ClientSampleId :

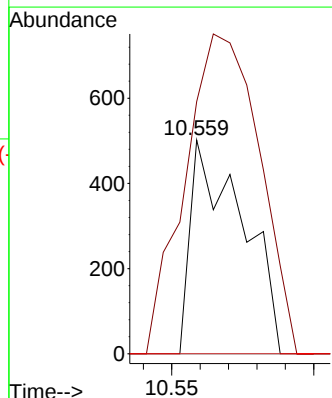
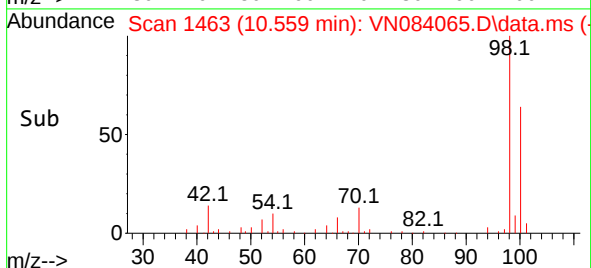
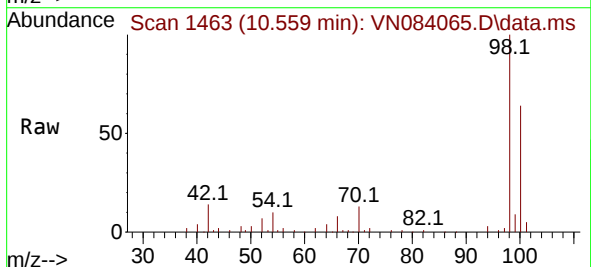


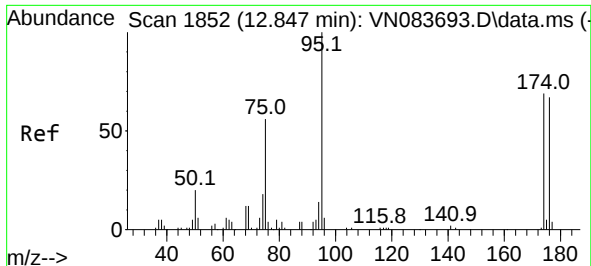
Tgt Ion:117 Resp: 108450
Ion Ratio Lower Upper
117 100
82 59.9 46.6 69.8
119 32.7 25.4 38.2



#58
4-Methyl-2-Pentanone
Concen: 0.372 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. 0.112 min
Lab File: VN084065.D
Acq: 20 Sep 2024 12:44

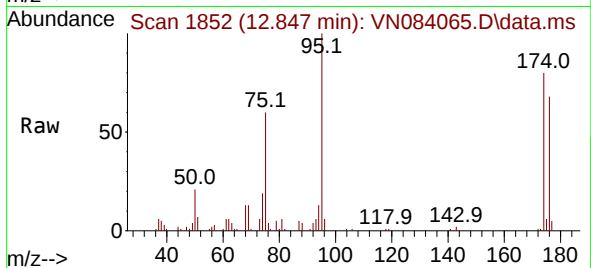
Tgt Ion: 43 Resp: 639
Ion Ratio Lower Upper
43 100
58 214.9 36.5 54.7#
85 0.0 19.5 29.3#



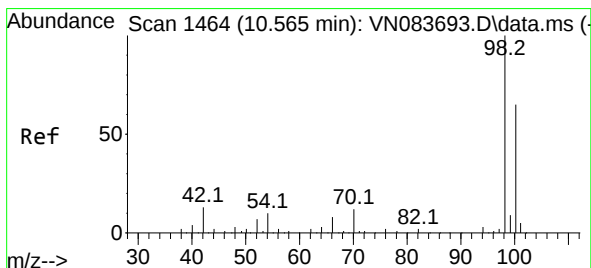
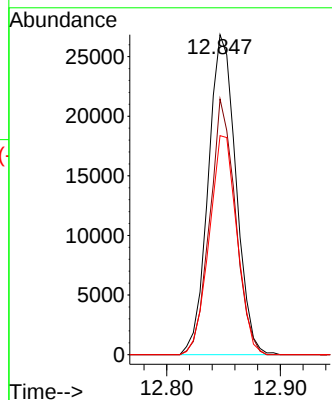
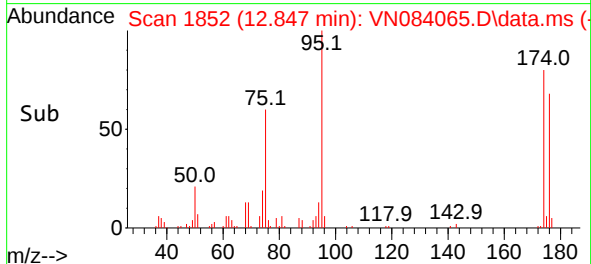


#60
4-Bromofluorobenzene
Concen: 24.340 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084065.D
Acq: 20 Sep 2024 12:44

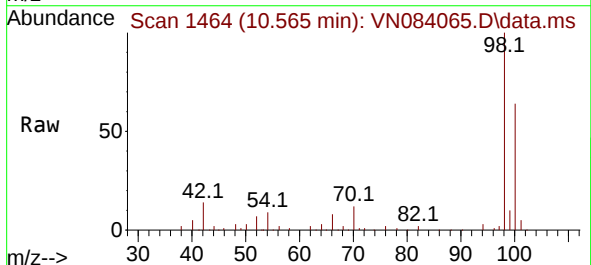
Instrument :
MSVOA_N
ClientSampleId :



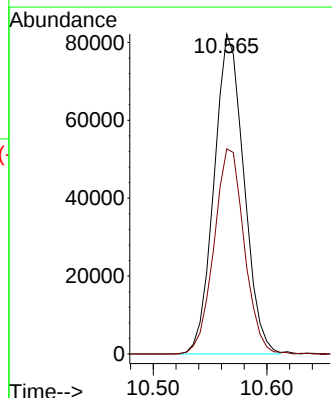
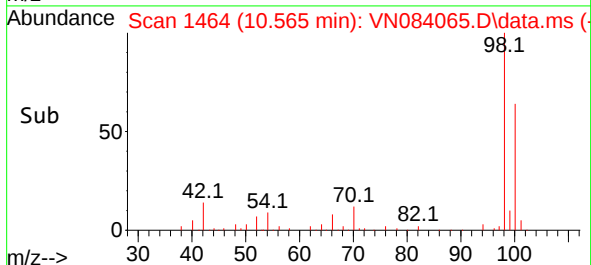
Tgt Ion: 95 Resp: 45494
Ion Ratio Lower Upper
95 100
174 73.8 60.5 90.7
176 68.5 57.8 86.6

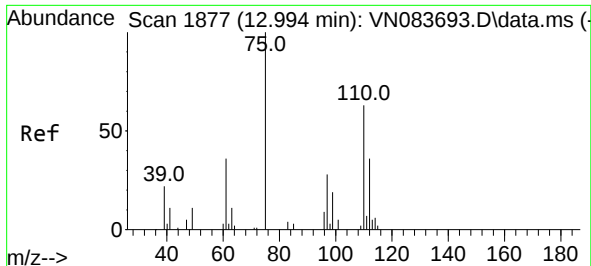


#63
Toluene-d8
Concen: 29.837 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084065.D
Acq: 20 Sep 2024 12:44



Tgt Ion: 98 Resp: 149829
Ion Ratio Lower Upper
98 100
100 65.1 52.7 79.1

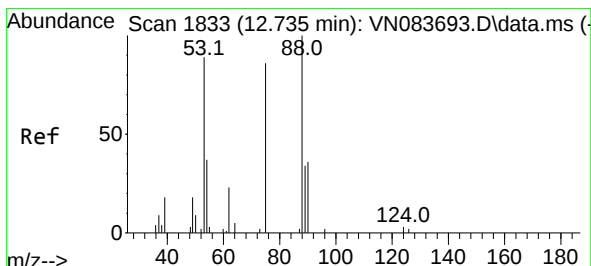
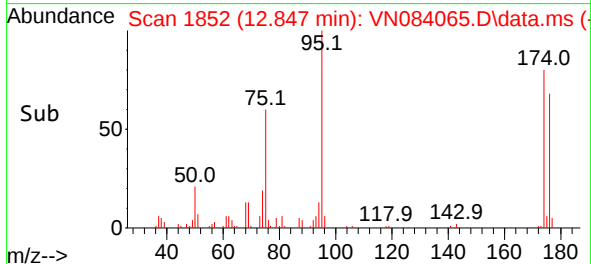
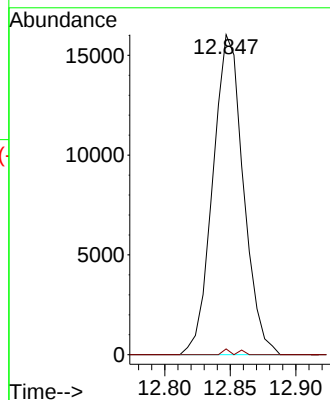
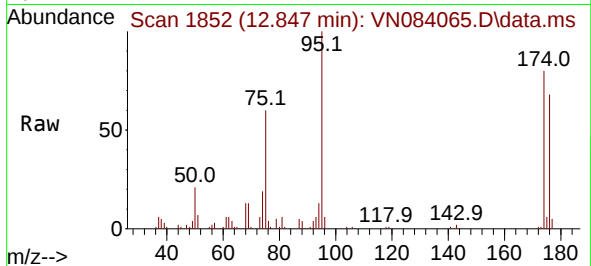




#72
1,2,3-Trichloropropane
Concen: 16.295 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN084065.D
Acq: 20 Sep 2024 12:44

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 25992
Ion Ratio Lower Upper
75 100
77 0.4 0.0 367.6



#77
t-1,4-Dichloro-2-butene
Concen: 38.551 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084065.D
Acq: 20 Sep 2024 12:44

Tgt Ion: 75 Resp: 25992
Ion Ratio Lower Upper
75 100
53 0.0 45.9 137.7#
89 0.0 25.9 77.7#

