

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101824\
 Data File : VN084423.D
 Acq On : 18 Oct 2024 12:38
 Operator : JC\MD
 Sample : P4427-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 19 03:50:21 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)

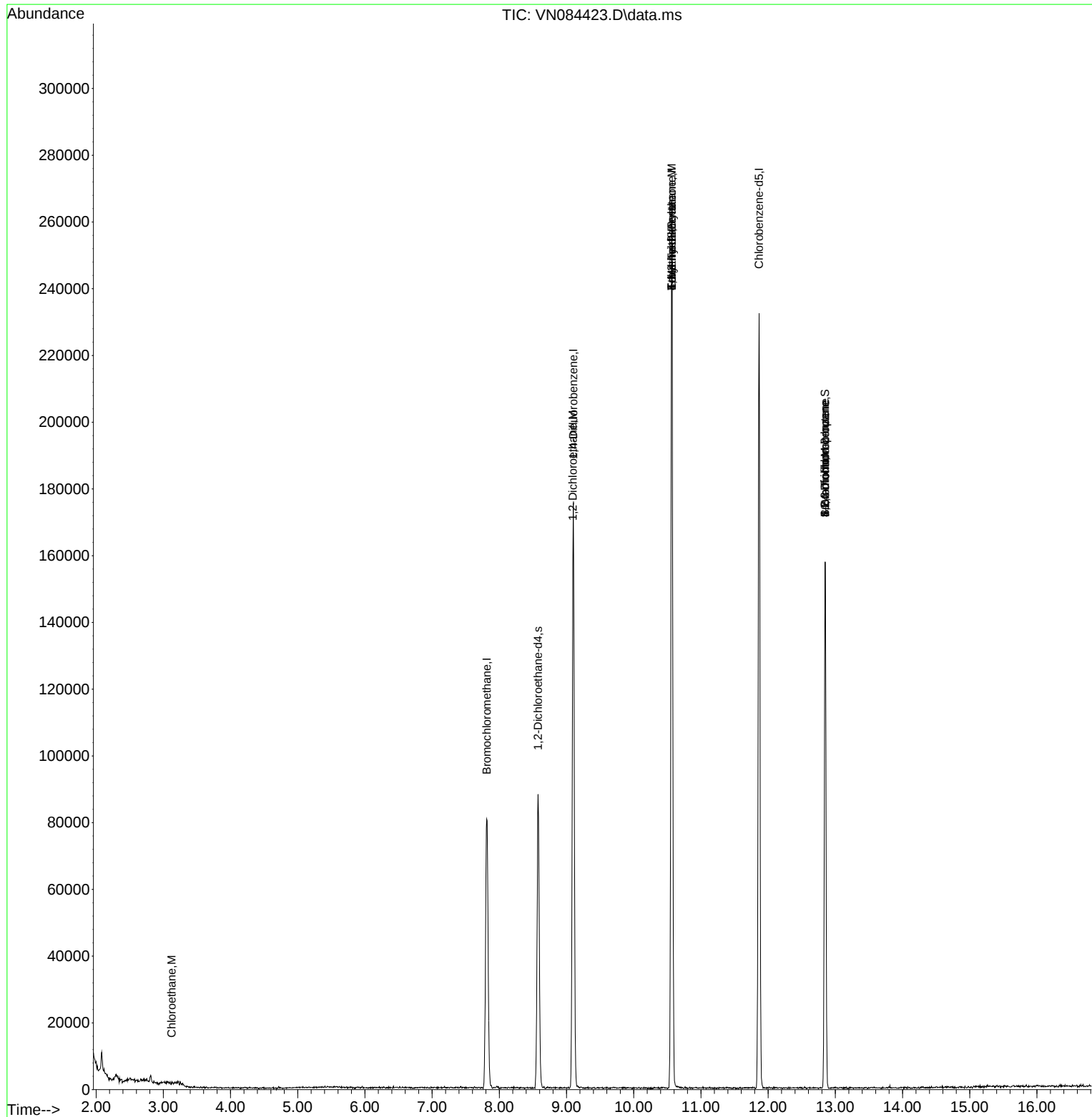
Internal Standards						
1) Bromochloromethane	7.812	128	30955	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	148440	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	135324	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	72386	29.045	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	96.833%		
60) 4-Bromofluorobenzene	12.847	95	55514	24.856	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	82.867%		
63) Toluene-d8	10.565	98	182678	29.139	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	97.133%		
Target Compounds						
					Qvalue	
6) Chloroethane	3.124	64	496	0.359	ug/l #	40
36) 1,2-Dichloroethane	9.094	62	5779	2.273	ug/l #	75
50) 1,1,2-Trichloroethane	10.565	97	6125	3.505	ug/l #	1
51) Ethyl methacrylate	10.565	69	669	0.232	ug/l #	72
56) Bromoform	12.847	173	471	0.344	ug/l #	1
58) 4-Methyl-2-Pentanone	10.565	43	715	0.284	ug/l #	1
72) 1,2,3-Trichloropropane	12.847	75	29182	13.709	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	29182	32.082	ug/l #	12

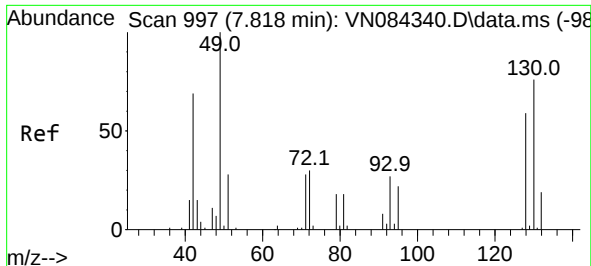
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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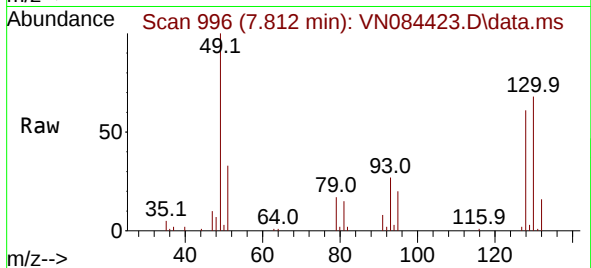
Quant Time: Oct 19 03:50:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:22:28 2024
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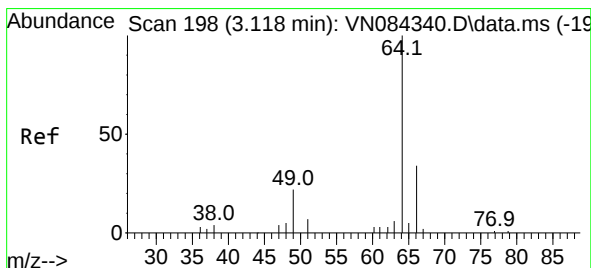
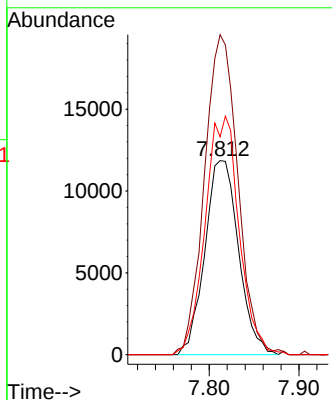
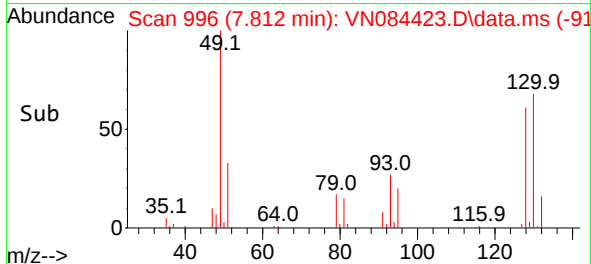


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN084423.D
Acq: 18 Oct 2024 12:38

Instrument :
MSVOA_N
ClientSampleId :

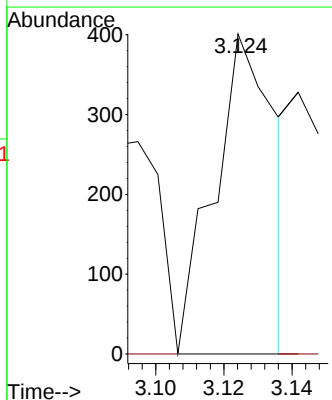
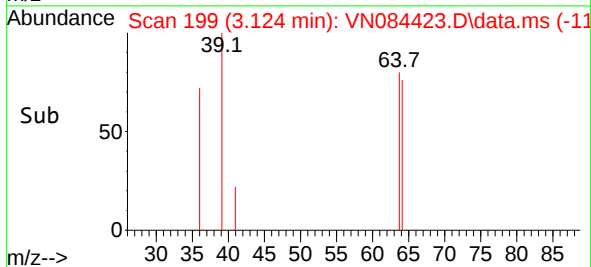
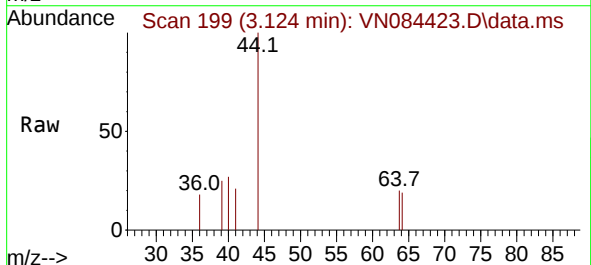


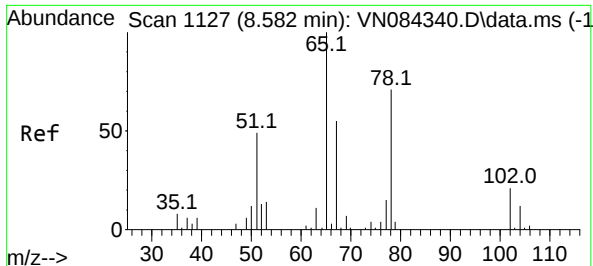
Tgt Ion:128 Resp: 30955
Ion Ratio Lower Upper
128 100
49 162.7 0.0 430.0
130 124.0 0.0 329.8



#6
Chloroethane
Concen: 0.359 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN084423.D
Acq: 18 Oct 2024 12:38

Tgt Ion: 64 Resp: 496
Ion Ratio Lower Upper
64 100
66 0.0 27.7 41.5#

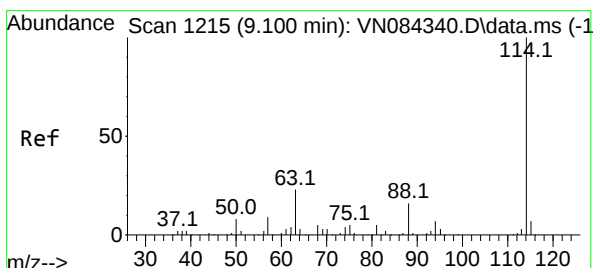
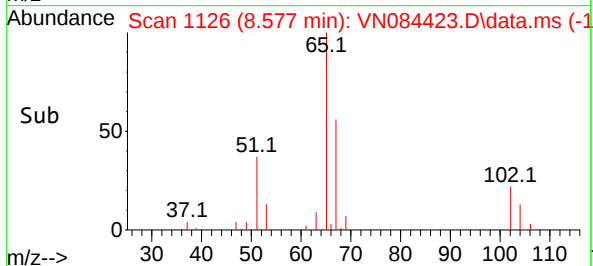
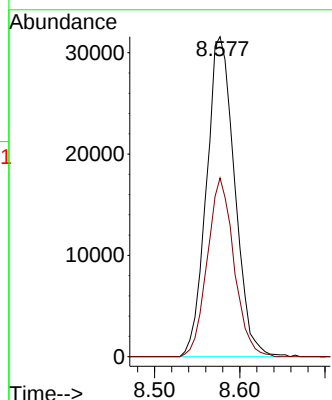
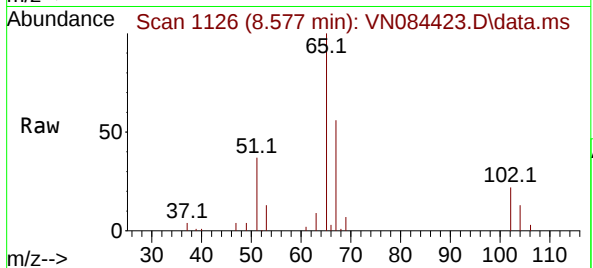




#27
1,2-Dichloroethane-d4
Concen: 29.045 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VN084423.D
Acq: 18 Oct 2024 12:38

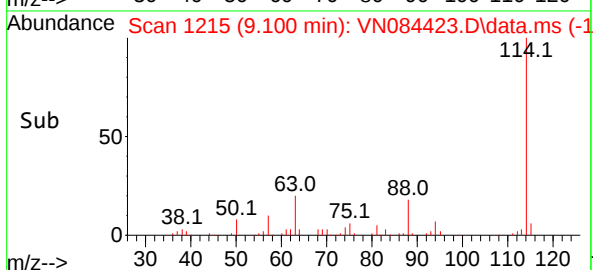
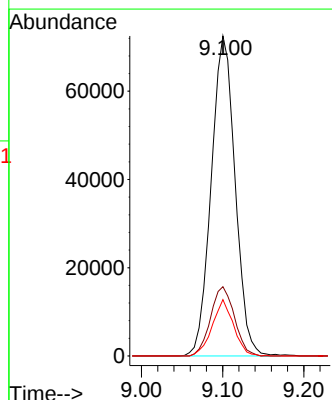
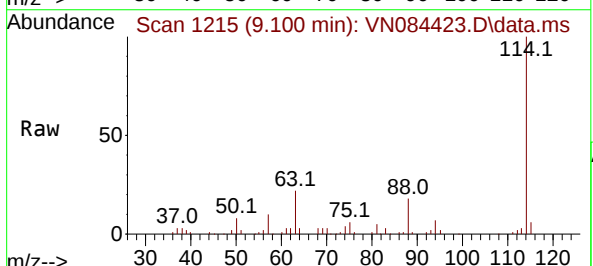
Instrument :
MSVOA_N
ClientSampleId :

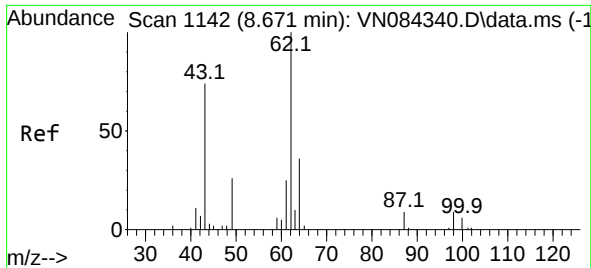
Tgt Ion: 65 Resp: 72386
Ion Ratio Lower Upper
65 100
67 53.0 41.5 62.3



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084423.D
Acq: 18 Oct 2024 12:38

Tgt Ion:114 Resp: 148440
Ion Ratio Lower Upper
114 100
63 21.6 17.4 26.0
88 15.7 13.2 19.8

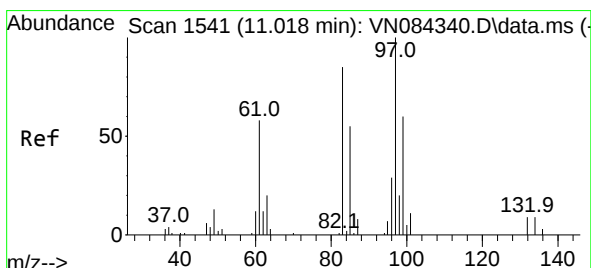
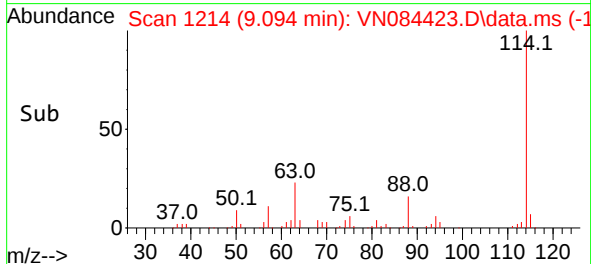
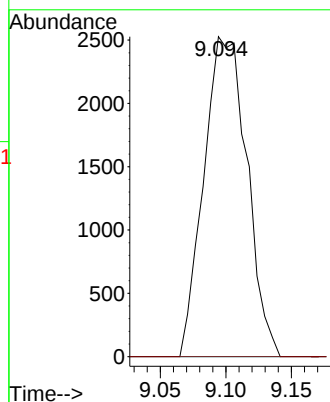
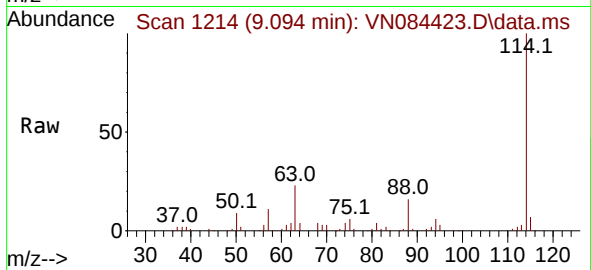




#36
 1,2-Dichloroethane
 Concen: 2.273 ug/l
 RT: 9.094 min Scan# 1142
 Delta R.T. 0.424 min
 Lab File: VN084423.D
 Acq: 18 Oct 2024 12:38

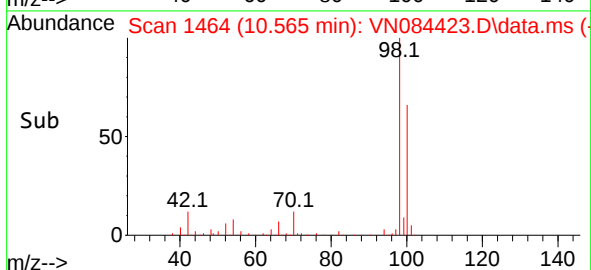
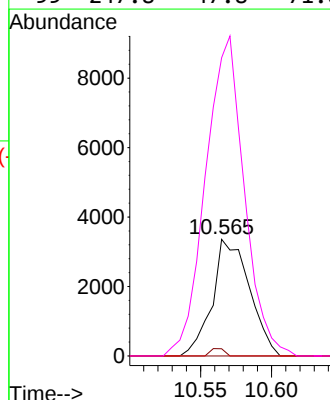
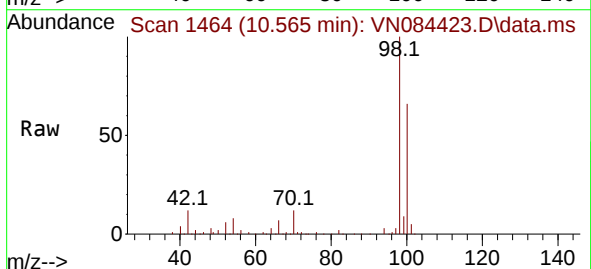
Instrument :
 MSVOA_N
 ClientSampleId :

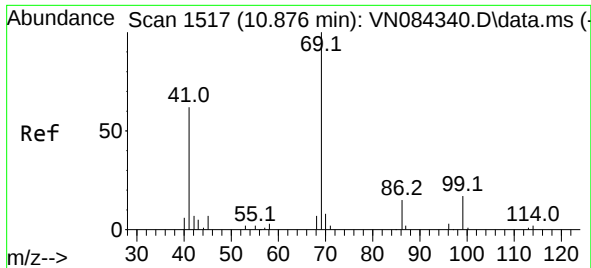
Tgt Ion: 62 Resp: 5779
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.3 10.9#



#50
 1,1,2-Trichloroethane
 Concen: 3.505 ug/l
 RT: 10.565 min Scan# 1464
 Delta R.T. -0.453 min
 Lab File: VN084423.D
 Acq: 18 Oct 2024 12:38

Tgt Ion: 97 Resp: 6125
 Ion Ratio Lower Upper
 97 100
 83 6.3 67.8 101.8#
 85 0.0 44.2 66.2#
 99 247.8 47.8 71.8#

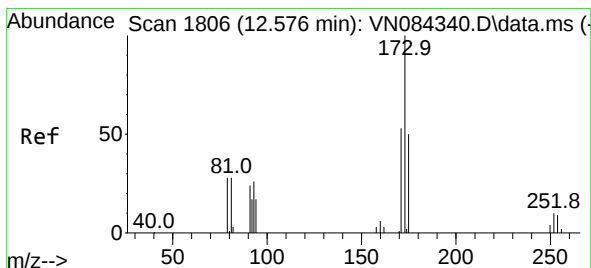
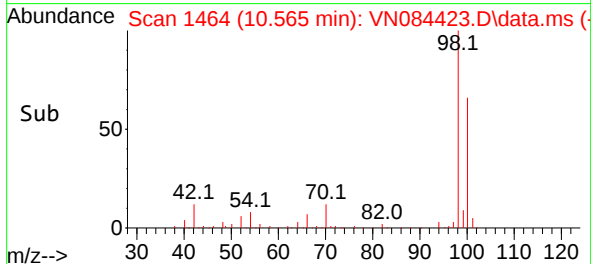
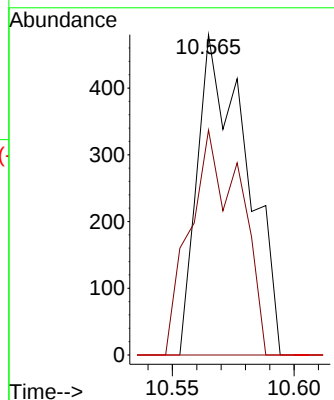
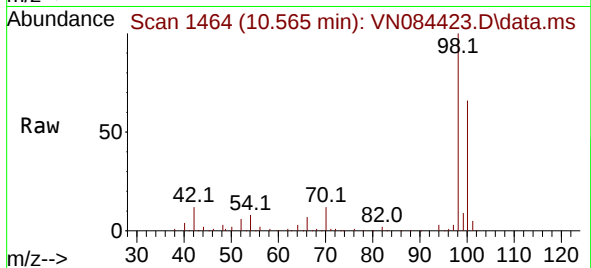




#51
Ethyl methacrylate
Concen: 0.232 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.312 min
Lab File: VN084423.D
Acq: 18 Oct 2024 12:38

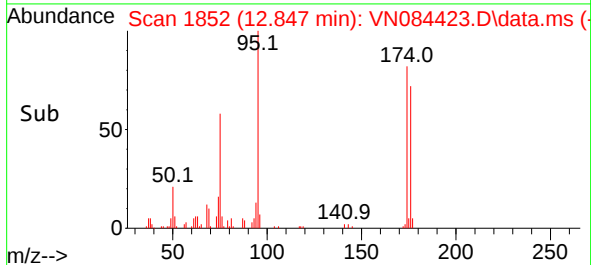
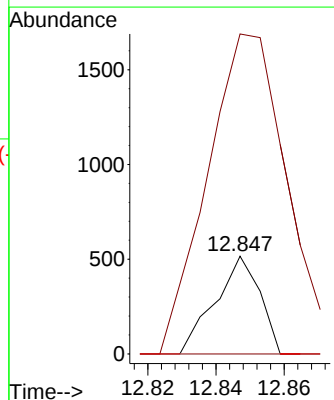
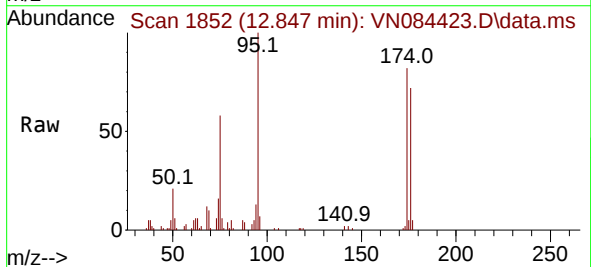
Instrument :
MSVOA_N
ClientSampleId :

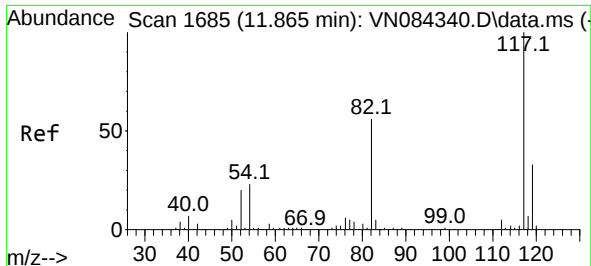
Tgt Ion: 69 Resp: 669
Ion Ratio Lower Upper
69 100
41 70.2 30.9 92.7
39 0.0 16.6 49.7#



#56
Bromoform
Concen: 0.344 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN084423.D
Acq: 18 Oct 2024 12:38

Tgt Ion:173 Resp: 471
Ion Ratio Lower Upper
173 100
175 574.5 39.4 59.2#
254 0.0 6.8 10.2#

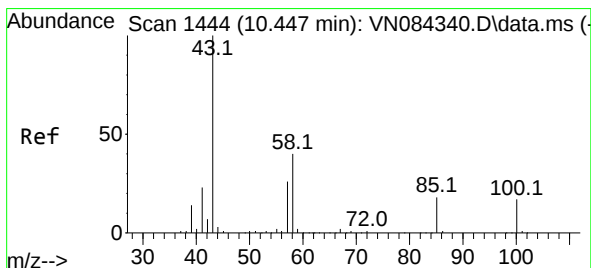
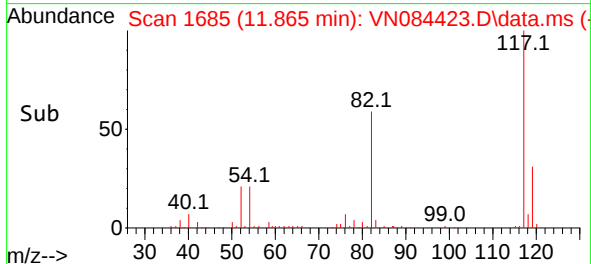
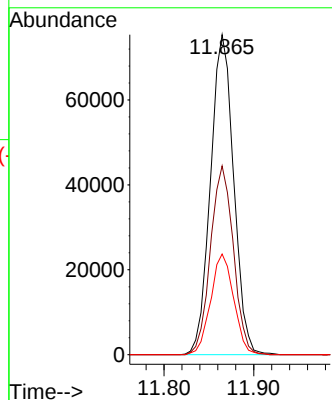
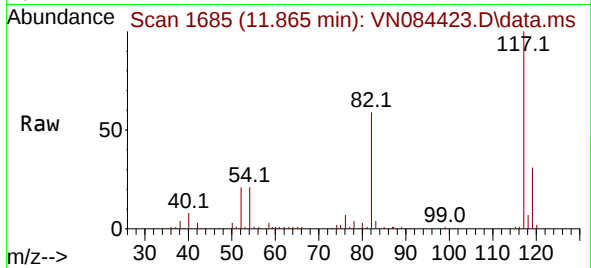




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084423.D
Acq: 18 Oct 2024 12:38

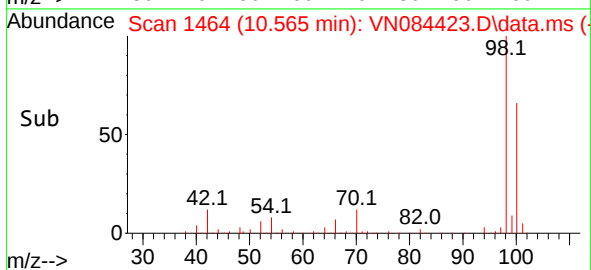
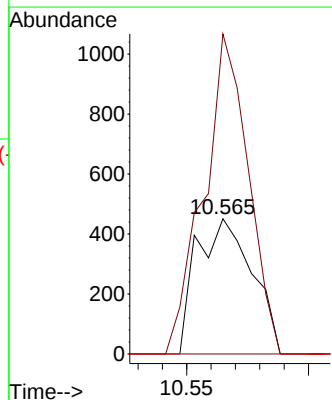
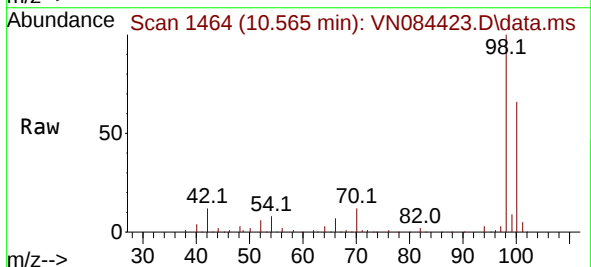
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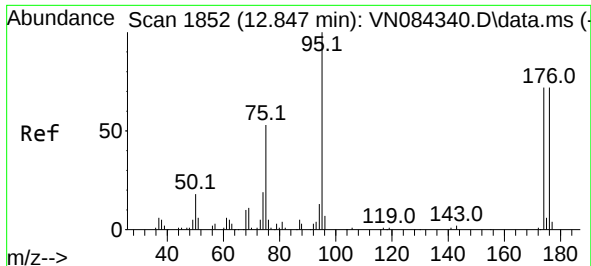
Tgt Ion:117 Resp: 135324
Ion Ratio Lower Upper
117 100
82 58.2 46.2 69.4
119 31.3 25.4 38.2



#58
4-Methyl-2-Pentanone
Concen: 0.284 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.118 min
Lab File: VN084423.D
Acq: 18 Oct 2024 12:38

Tgt Ion: 43 Resp: 715
Ion Ratio Lower Upper
43 100
58 190.3 31.9 47.9#
85 0.0 14.6 22.0#

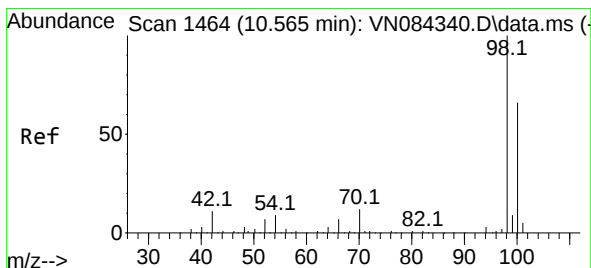
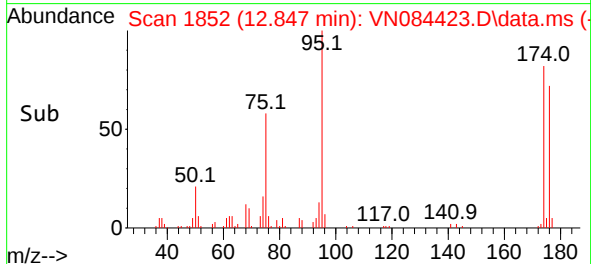
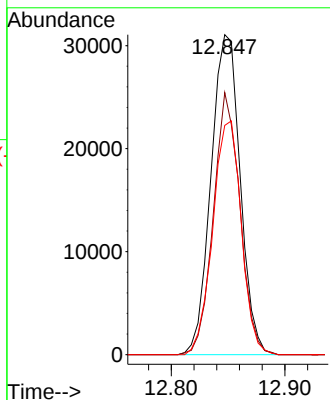
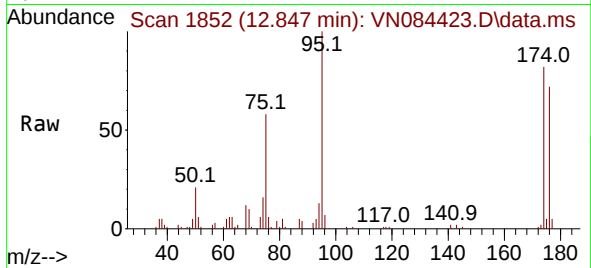




#60
4-Bromofluorobenzene
Concen: 24.856 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084423.D
Acq: 18 Oct 2024 12:38

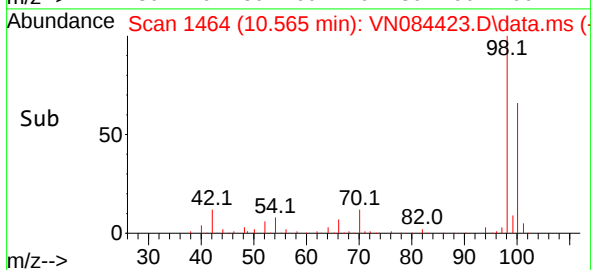
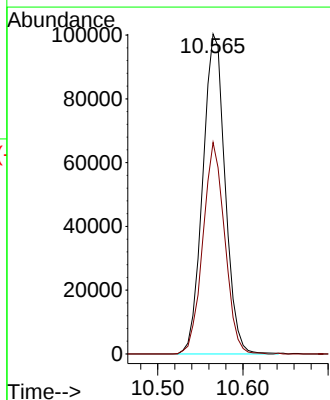
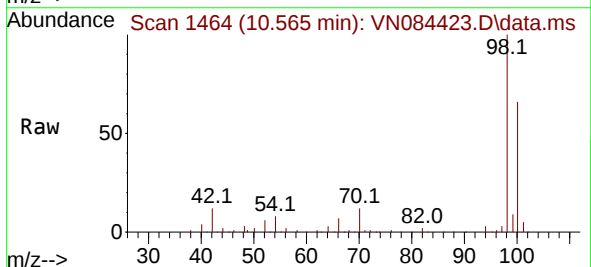
Instrument :
MSVOA_N
ClientSampleId :

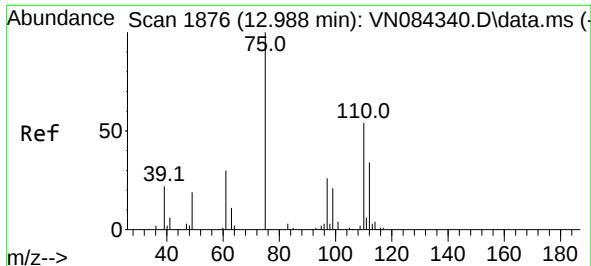
Tgt Ion: 95 Resp: 55514
Ion Ratio Lower Upper
95 100
174 74.5 58.2 87.2
176 71.4 56.4 84.6



#63
Toluene-d8
Concen: 29.139 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084423.D
Acq: 18 Oct 2024 12:38

Tgt Ion: 98 Resp: 182678
Ion Ratio Lower Upper
98 100
100 64.7 52.5 78.7

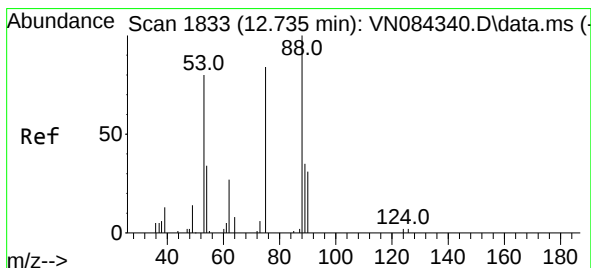
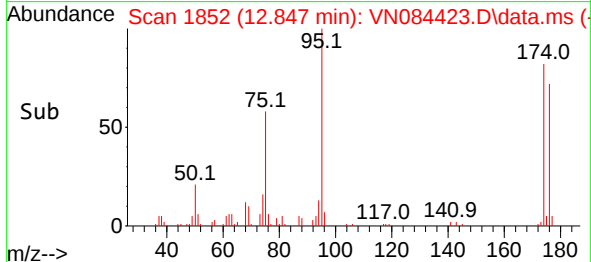
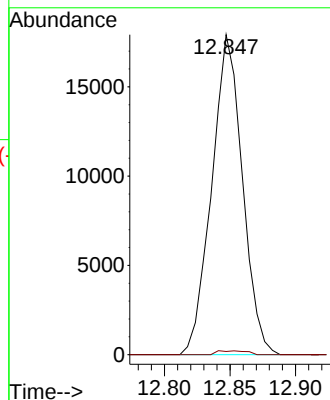
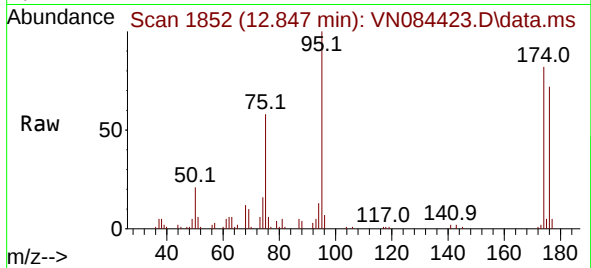




#72
1,2,3-Trichloropropane
Concen: 13.709 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084423.D
Acq: 18 Oct 2024 12:38

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 29182
Ion Ratio Lower Upper
75 100
77 0.5 0.0 414.0



#77
t-1,4-Dichloro-2-butene
Concen: 32.082 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084423.D
Acq: 18 Oct 2024 12:38

Tgt Ion: 75 Resp: 29182
Ion Ratio Lower Upper
75 100
53 0.0 47.3 142.0#
89 0.0 22.9 68.8#

