

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100424\
 Data File : VN084314.D
 Acq On : 04 Oct 2024 14:21
 Operator : JC\MD
 Sample : P4262-03 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 04 22:59:00 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)

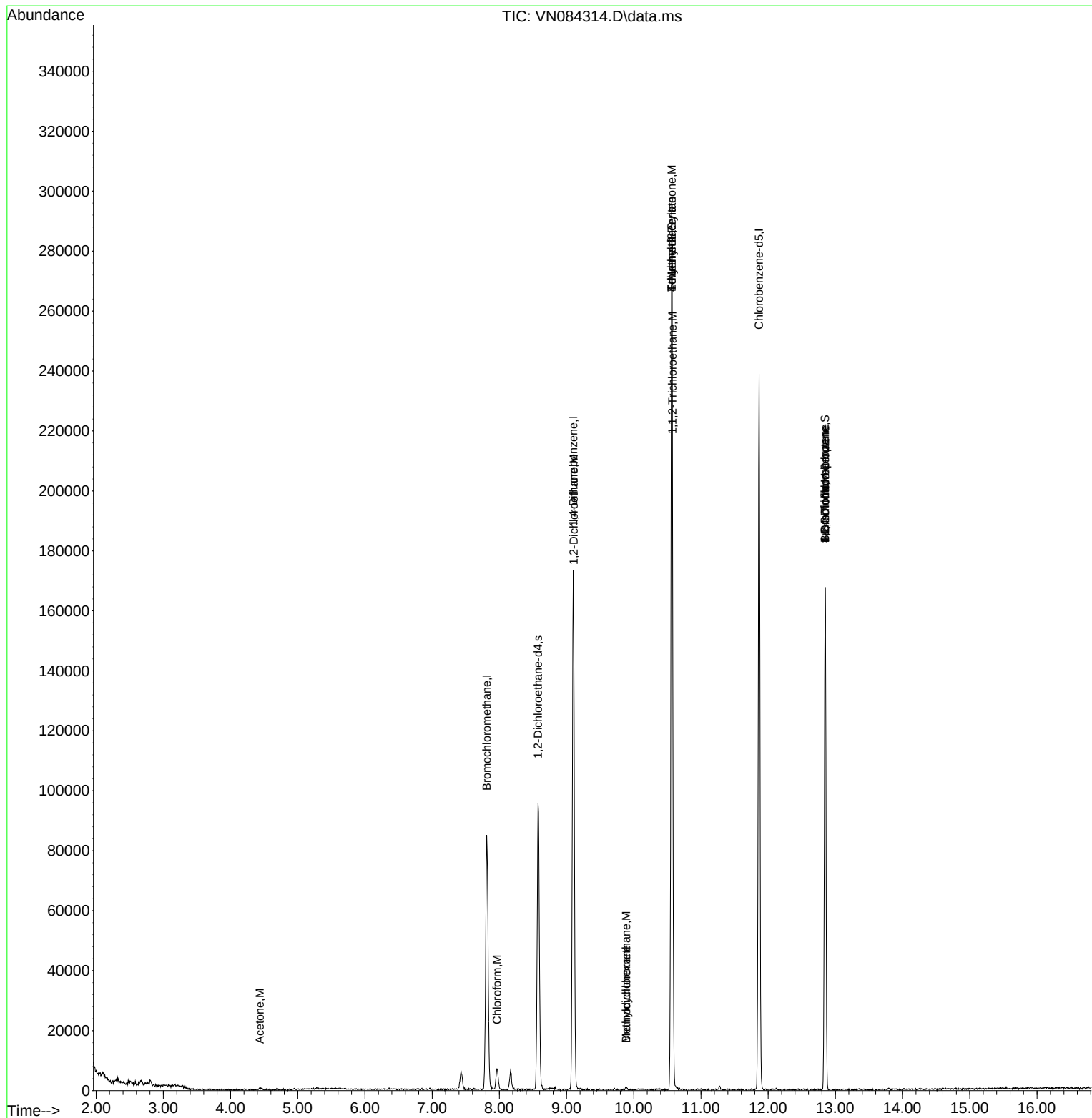
Internal Standards						
1) Bromochloromethane	7.812	128	29525	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	145572	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	134864	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	79431	29.432	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	98.100%		
60) 4-Bromofluorobenzene	12.847	95	58170	25.026	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	83.433%		
63) Toluene-d8	10.565	98	201210	32.221	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	107.400%		
Target Compounds						
					Qvalue	
15) Acetone	4.436	58	124	0.417	ug/l #	1
25) Chloroform	7.965	83	7032	1.788	ug/l	95
36) 1,2-Dichloroethane	9.106	62	5390	2.070	ug/l #	72
38) Methylcyclohexane	9.888	83	737	0.267	ug/l #	19
41) Bromodichloromethane	9.888	83	680	0.262	ug/l #	86
50) 1,1,2-Trichloroethane	10.576	97	6295	4.058	ug/l #	1
51) Ethyl methacrylate	10.565	69	719	0.271	ug/l	81
56) Bromoform	12.847	173	471	0.398	ug/l #	1
58) 4-Methyl-2-Pentanone	10.565	43	896	0.419	ug/l #	1
72) 1,2,3-Trichloropropane	12.847	75	31053	15.655	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	31053	37.037	ug/l #	12

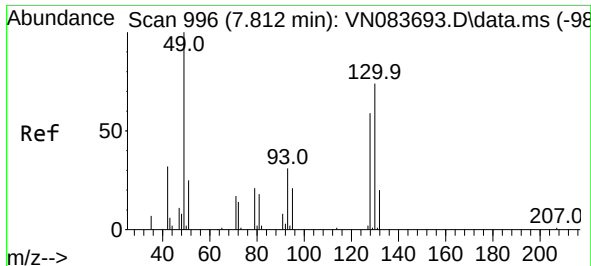
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
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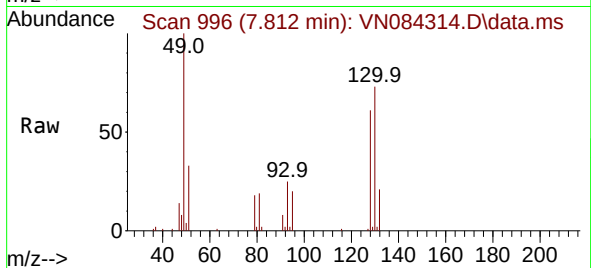
Quant Time: Oct 04 22:59:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 06 23:42:47 2024
Response via : Initial Calibration



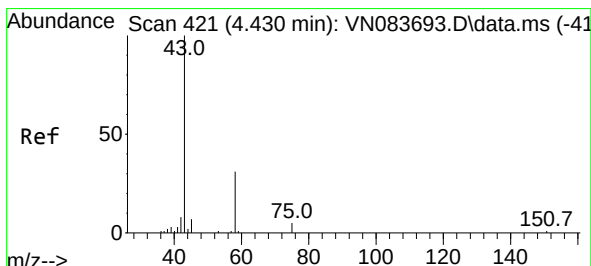
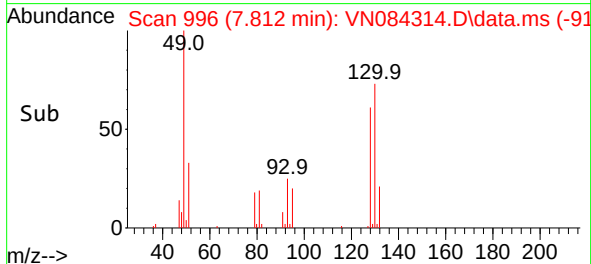
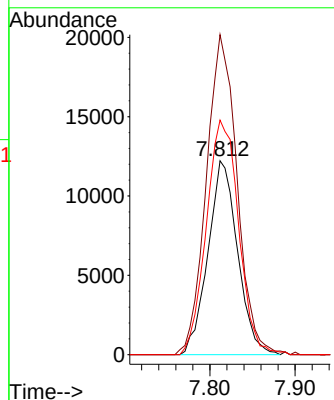


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN084314.D
Acq: 04 Oct 2024 14:21

Instrument :
MSVOA_N
ClientSampleId :

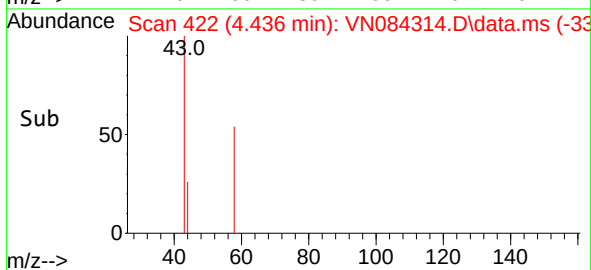
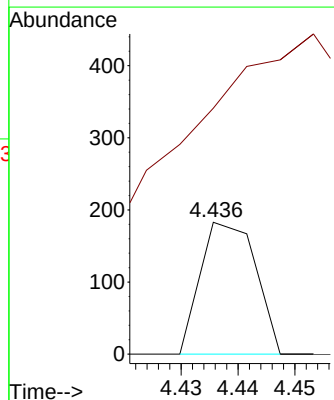
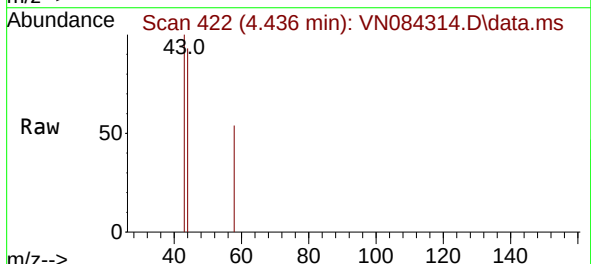


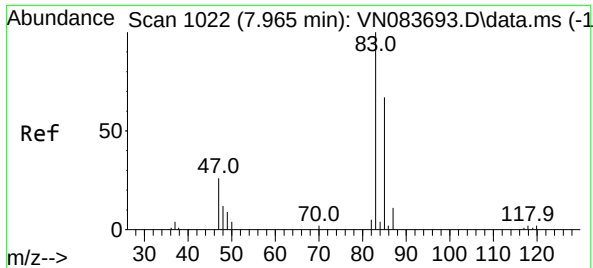
Tgt Ion:128 Resp: 29525
Ion Ratio Lower Upper
128 100
49 171.4 0.0 403.7
130 132.1 0.0 323.3



#15
Acetone
Concen: 0.417 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN084314.D
Acq: 04 Oct 2024 14:21

Tgt Ion: 58 Resp: 124
Ion Ratio Lower Upper
58 100
43 27.3 223.1 334.7#

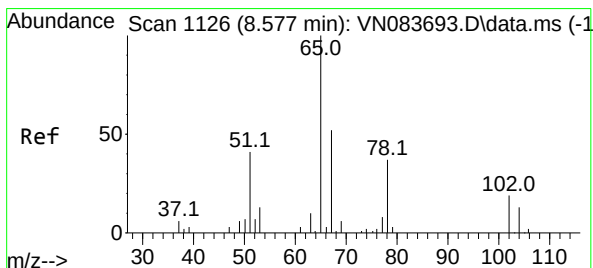
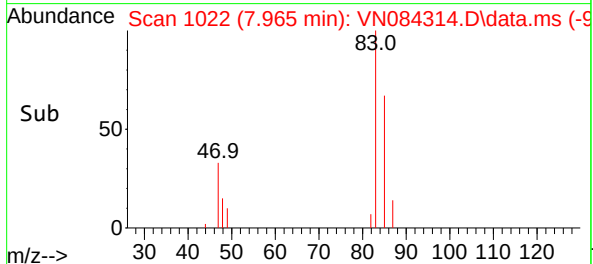
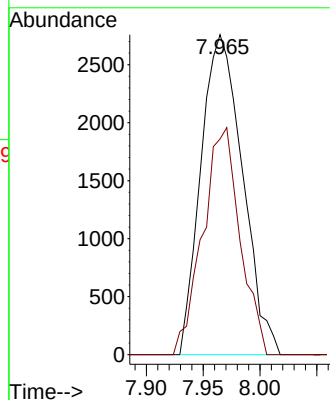
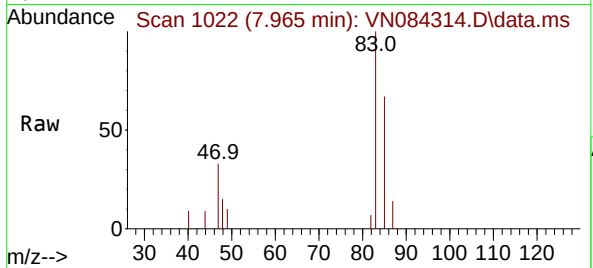




#25
Chloroform
Concen: 1.788 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN084314.D
Acq: 04 Oct 2024 14:21

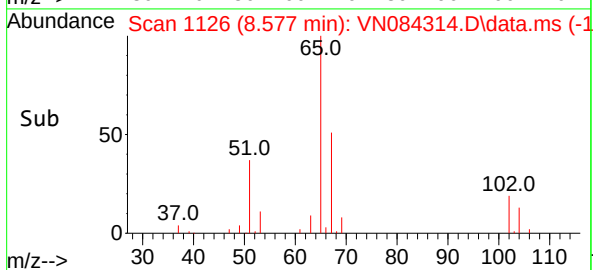
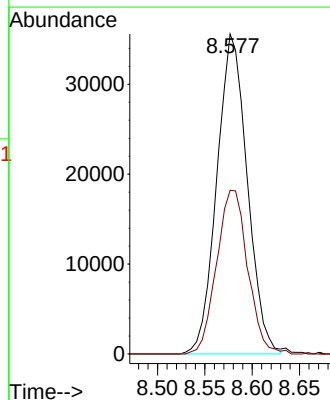
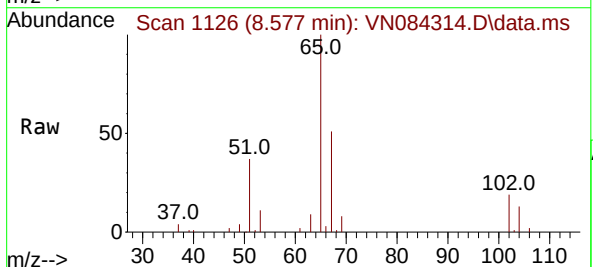
Instrument :
MSVOA_N
ClientSampleId :

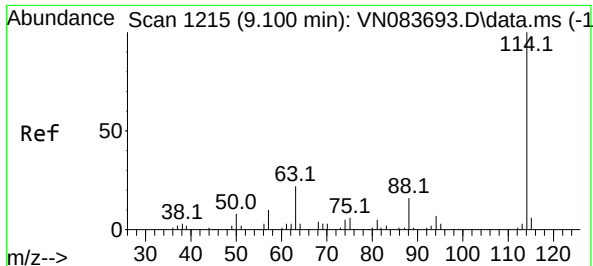
Tgt Ion: 83 Resp: 7032
Ion Ratio Lower Upper
83 100
85 67.4 50.9 76.3



#27
1,2-Dichloroethane-d4
Concen: 29.432 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084314.D
Acq: 04 Oct 2024 14:21

Tgt Ion: 65 Resp: 79431
Ion Ratio Lower Upper
65 100
67 52.3 43.2 64.8

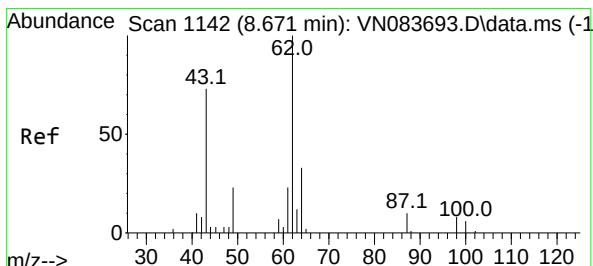
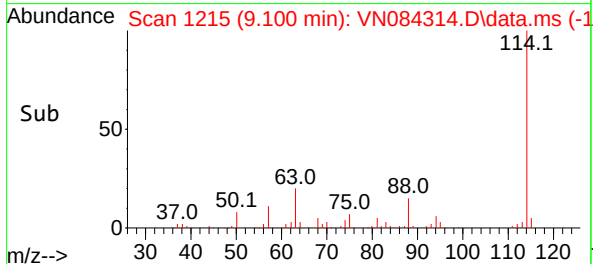
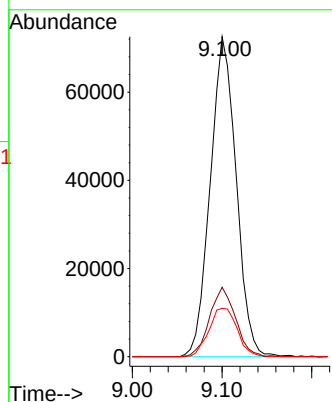
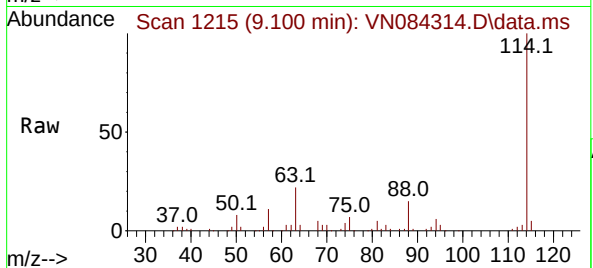




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 114
Delta R.T. -0.000 min
Lab File: VN084314.D
Acq: 04 Oct 2024 14:21

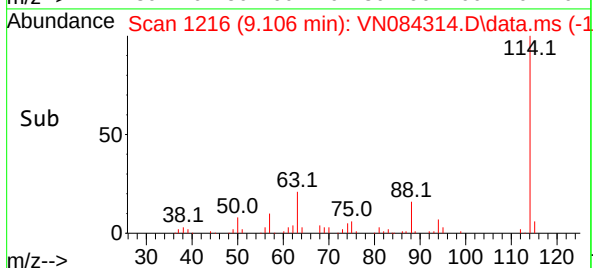
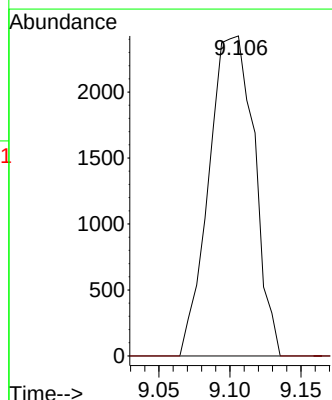
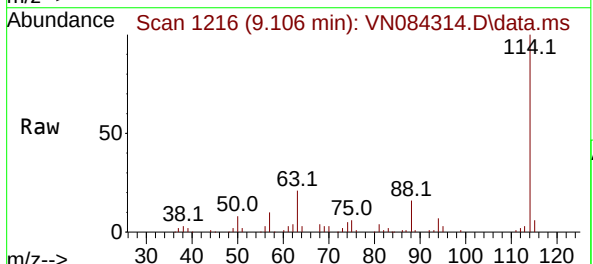
Instrument :
MSVOA_N
ClientSampleId :

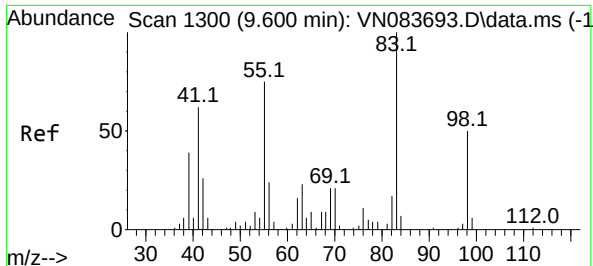
Tgt Ion:114 Resp: 145572
Ion Ratio Lower Upper
114 100
63 21.6 15.9 23.9
88 16.5 12.7 19.1



#36
1,2-Dichloroethane
Concen: 2.070 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.435 min
Lab File: VN084314.D
Acq: 04 Oct 2024 14:21

Tgt Ion: 62 Resp: 5390
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.4#

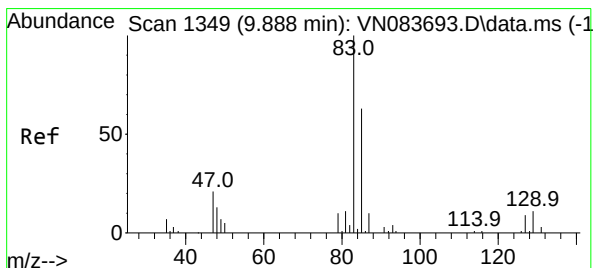
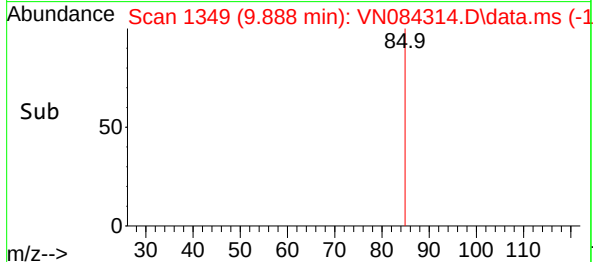
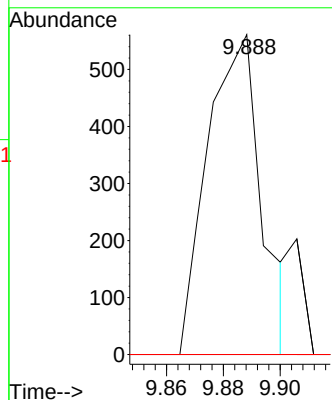
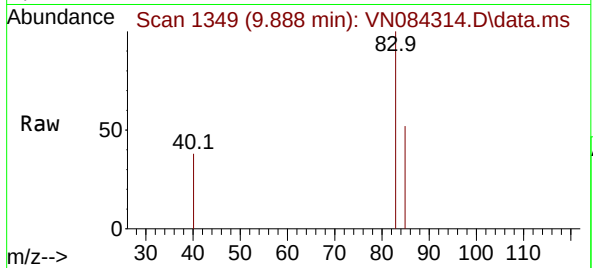




#38
Methylcyclohexane
Concen: 0.267 ug/l
RT: 9.888 min Scan# 1349
Delta R.T. 0.288 min
Lab File: VN084314.D
Acq: 04 Oct 2024 14:21

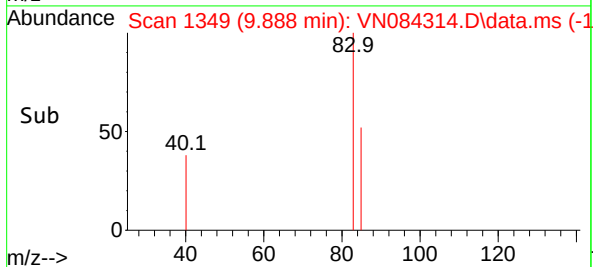
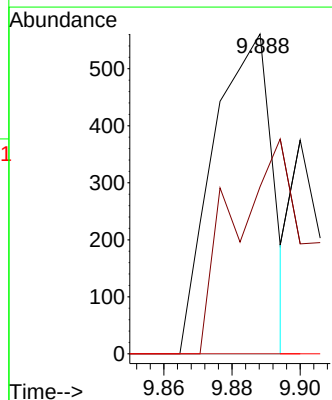
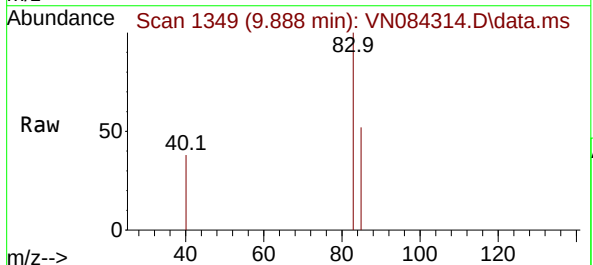
Instrument :
MSVOA_N
ClientSampleId :

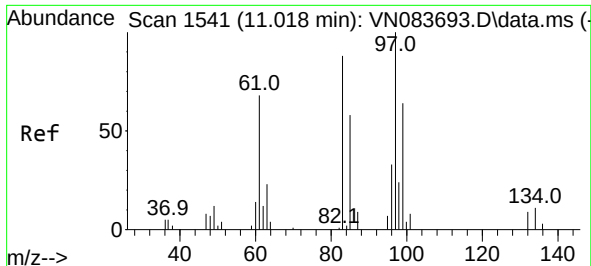
Tgt Ion: 83 Resp: 737
Ion Ratio Lower Upper
83 100
55 0.0 36.6 109.9#
98 0.0 23.8 71.5#



#41
Bromodichloromethane
Concen: 0.262 ug/l
RT: 9.888 min Scan# 1349
Delta R.T. -0.000 min
Lab File: VN084314.D
Acq: 04 Oct 2024 14:21

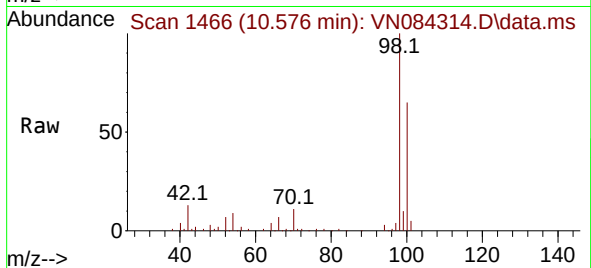
Tgt Ion: 83 Resp: 680
Ion Ratio Lower Upper
83 100
85 52.2 49.4 74.2
127 0.0 7.3 10.9#



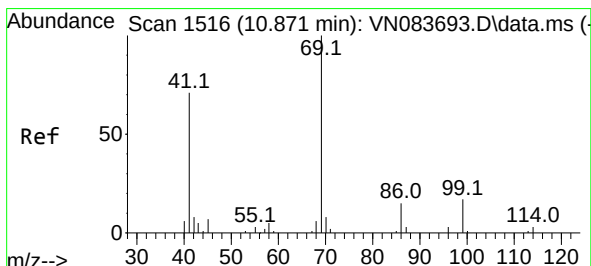
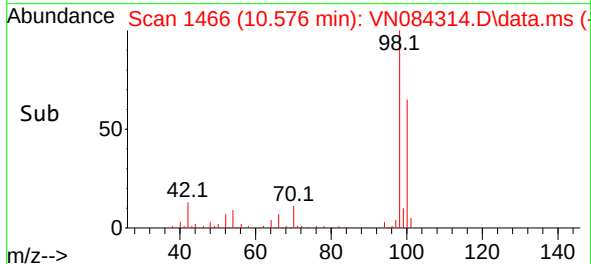
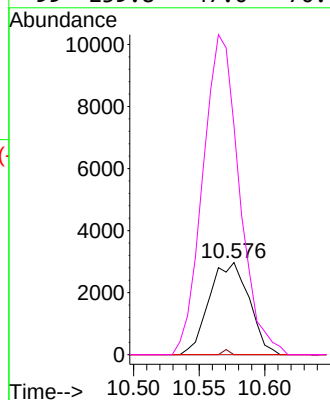


#50
1,1,2-Trichloroethane
Concen: 4.058 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. -0.441 min
Lab File: VN084314.D
Acq: 04 Oct 2024 14:21

Instrument :
MSVOA_N
ClientSampleId :

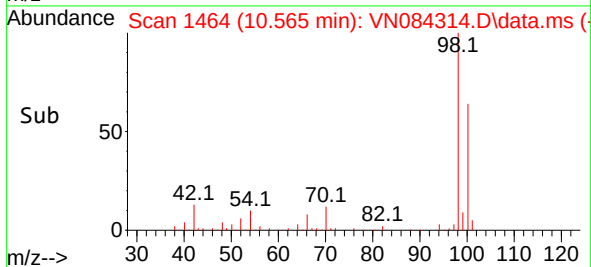
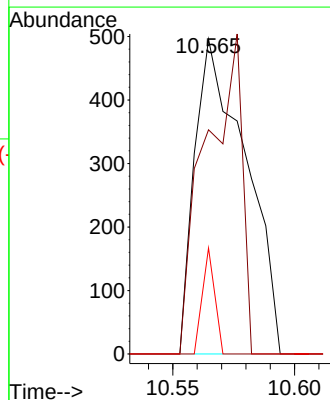
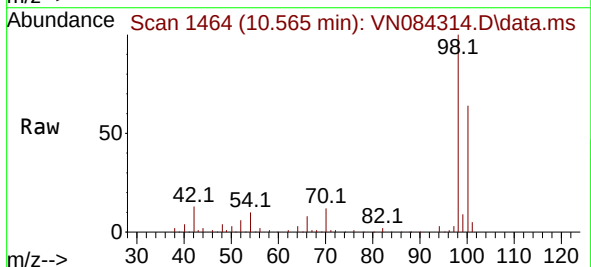


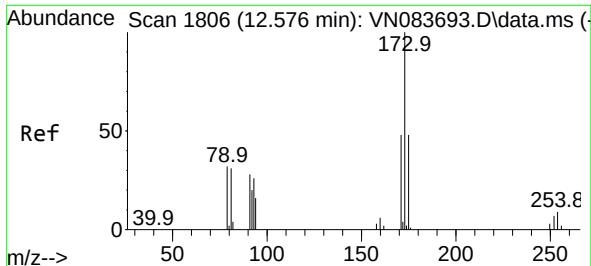
Tgt Ion: 97 Resp: 6295
Ion Ratio Lower Upper
97 100
83 0.0 68.1 102.1#
85 0.0 41.8 62.6#
99 239.8 47.0 70.4#



#51
Ethyl methacrylate
Concen: 0.271 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.306 min
Lab File: VN084314.D
Acq: 04 Oct 2024 14:21

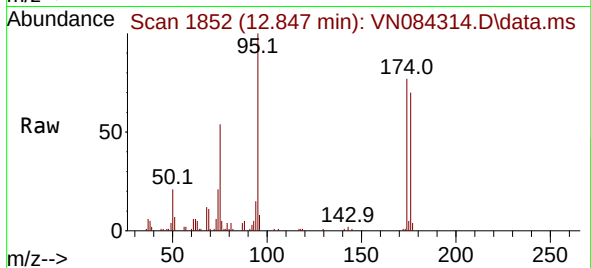
Tgt Ion: 69 Resp: 719
Ion Ratio Lower Upper
69 100
41 71.2 25.5 76.5
39 33.7 16.0 47.9



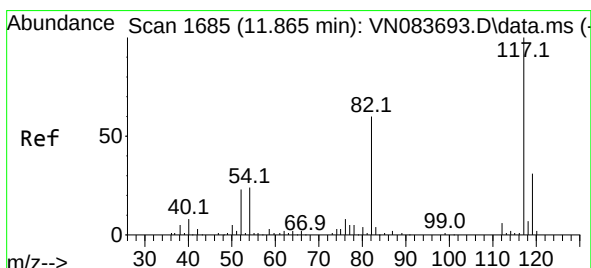
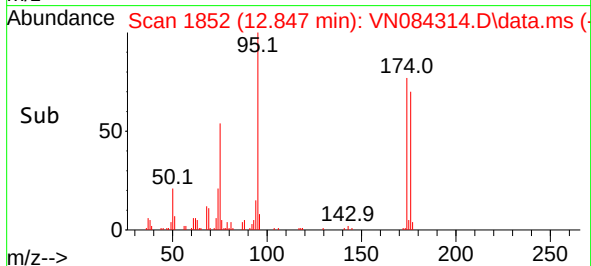
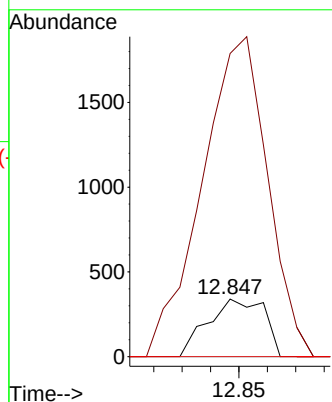


#56
Bromoform
Concen: 0.398 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.271 min
Lab File: VN084314.D
Acq: 04 Oct 2024 14:21

Instrument :
MSVOA_N
ClientSampleId :

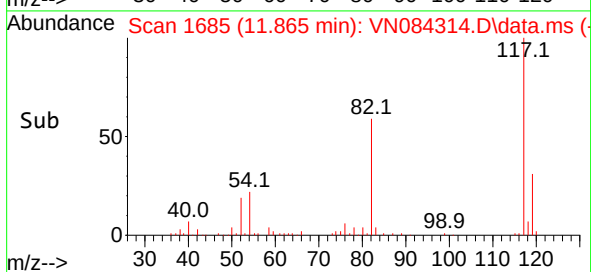
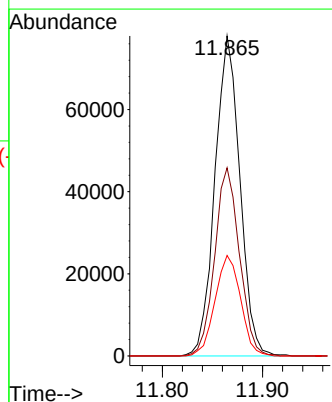
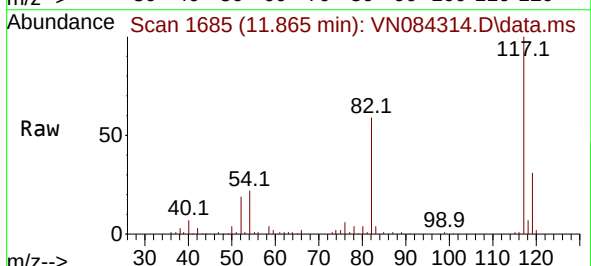


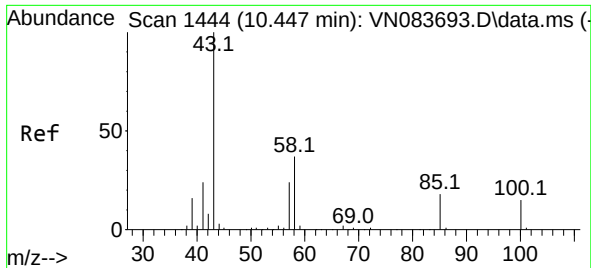
Tgt Ion:173 Resp: 471
Ion Ratio Lower Upper
173 100
175 643.9 40.0 60.0#
254 0.0 8.3 12.5#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084314.D
Acq: 04 Oct 2024 14:21

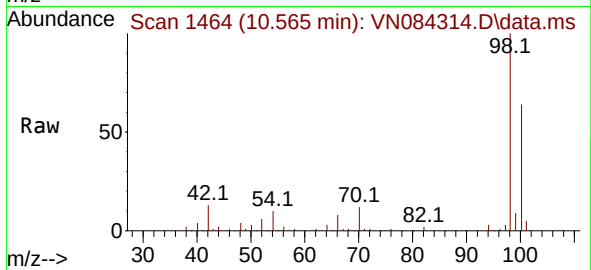
Tgt Ion:117 Resp: 134864
Ion Ratio Lower Upper
117 100
82 58.3 46.6 69.8
119 32.1 25.4 38.2





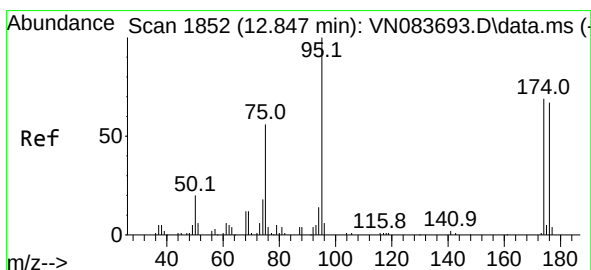
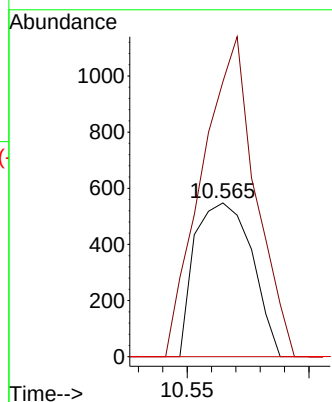
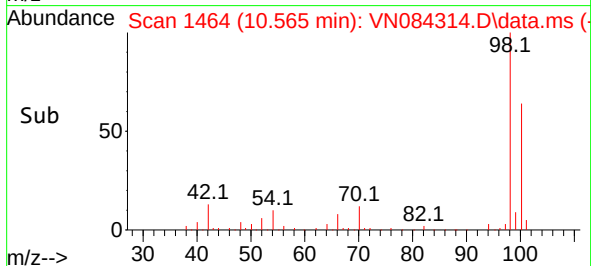
#58
 4-Methyl-2-Pentanone
 Concen: 0.419 ug/l
 RT: 10.565 min Scan# 1444
 Delta R.T. 0.118 min
 Lab File: VN084314.D
 Acq: 04 Oct 2024 14:21

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 43 Resp: 896

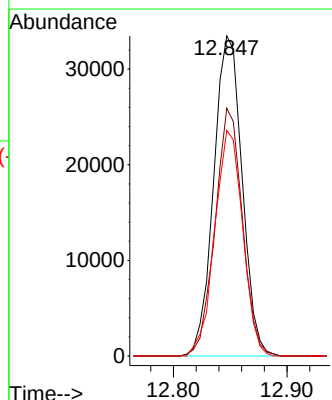
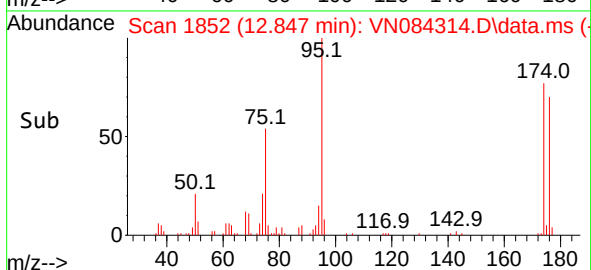
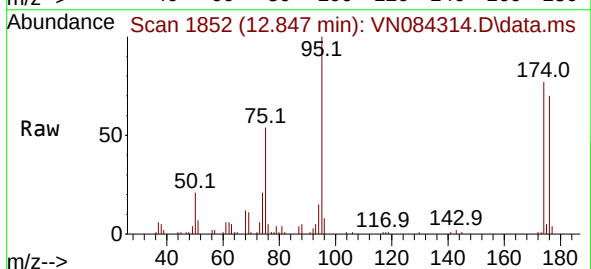
Ion	Ratio	Lower	Upper
43	100		
58	194.9	36.5	54.7#
85	0.0	19.5	29.3#

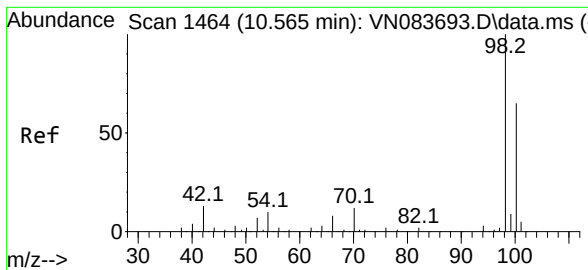


#60
 4-Bromofluorobenzene
 Concen: 25.026 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.000 min
 Lab File: VN084314.D
 Acq: 04 Oct 2024 14:21

Tgt Ion: 95 Resp: 58170

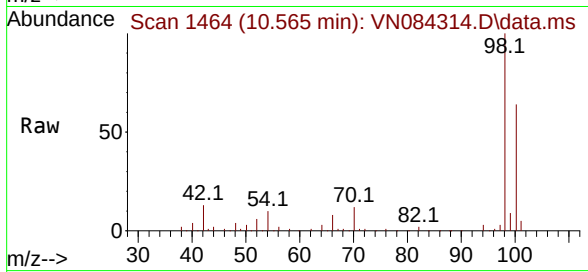
Ion	Ratio	Lower	Upper
95	100		
174	74.4	60.5	90.7
176	69.6	57.8	86.6



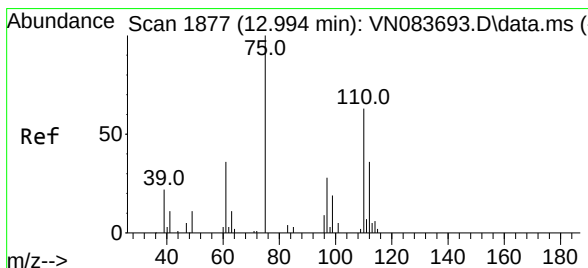
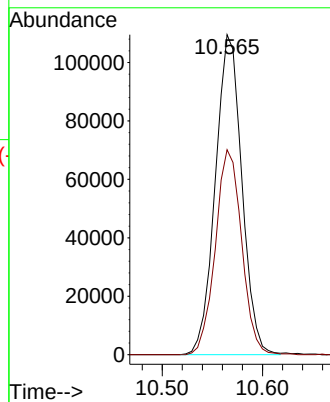
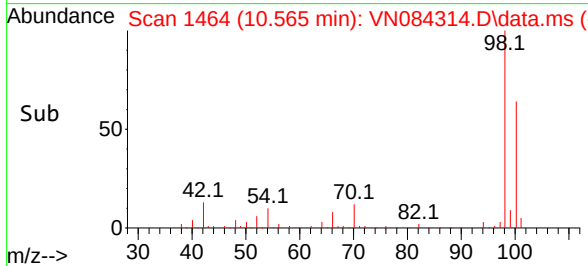


#63
Toluene-d8
Concen: 32.221 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084314.D
Acq: 04 Oct 2024 14:21

Instrument :
MSVOA_N
ClientSampleId :

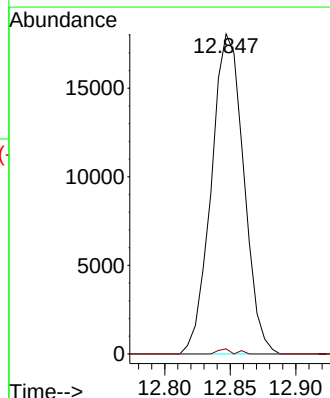
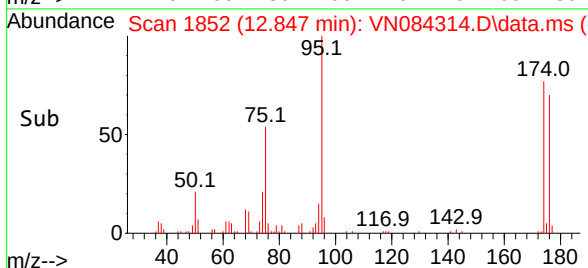
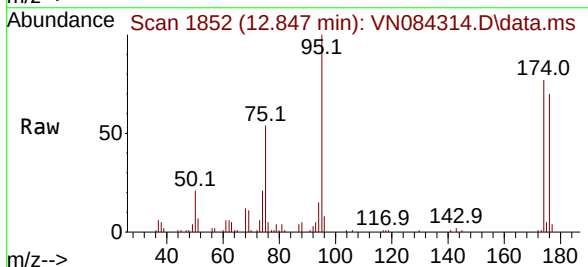


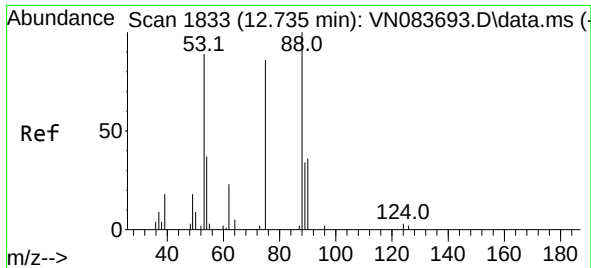
Tgt Ion: 98 Resp: 201210
Ion Ratio Lower Upper
98 100
100 63.5 52.7 79.1



#72
1,2,3-Trichloropropane
Concen: 15.655 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN084314.D
Acq: 04 Oct 2024 14:21

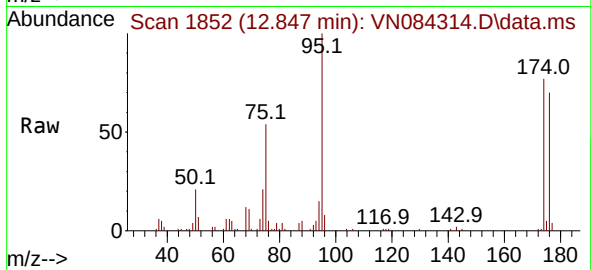
Tgt Ion: 75 Resp: 31053
Ion Ratio Lower Upper
75 100
77 0.6 0.0 367.6





#77
t-1,4-Dichloro-2-butene
Concen: 37.037 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN084314.D
Acq: 04 Oct 2024 14:21

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 31053
Ion Ratio Lower Upper
75 100
53 0.0 45.9 137.7#
89 0.0 25.9 77.7#

