

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100824\
 Data File : VN084347.D
 Acq On : 08 Oct 2024 14:11
 Operator : JC\MD
 Sample : P4271-01RE 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-1

Quant Time: Oct 09 02:30:25 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 09 02:21:08 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

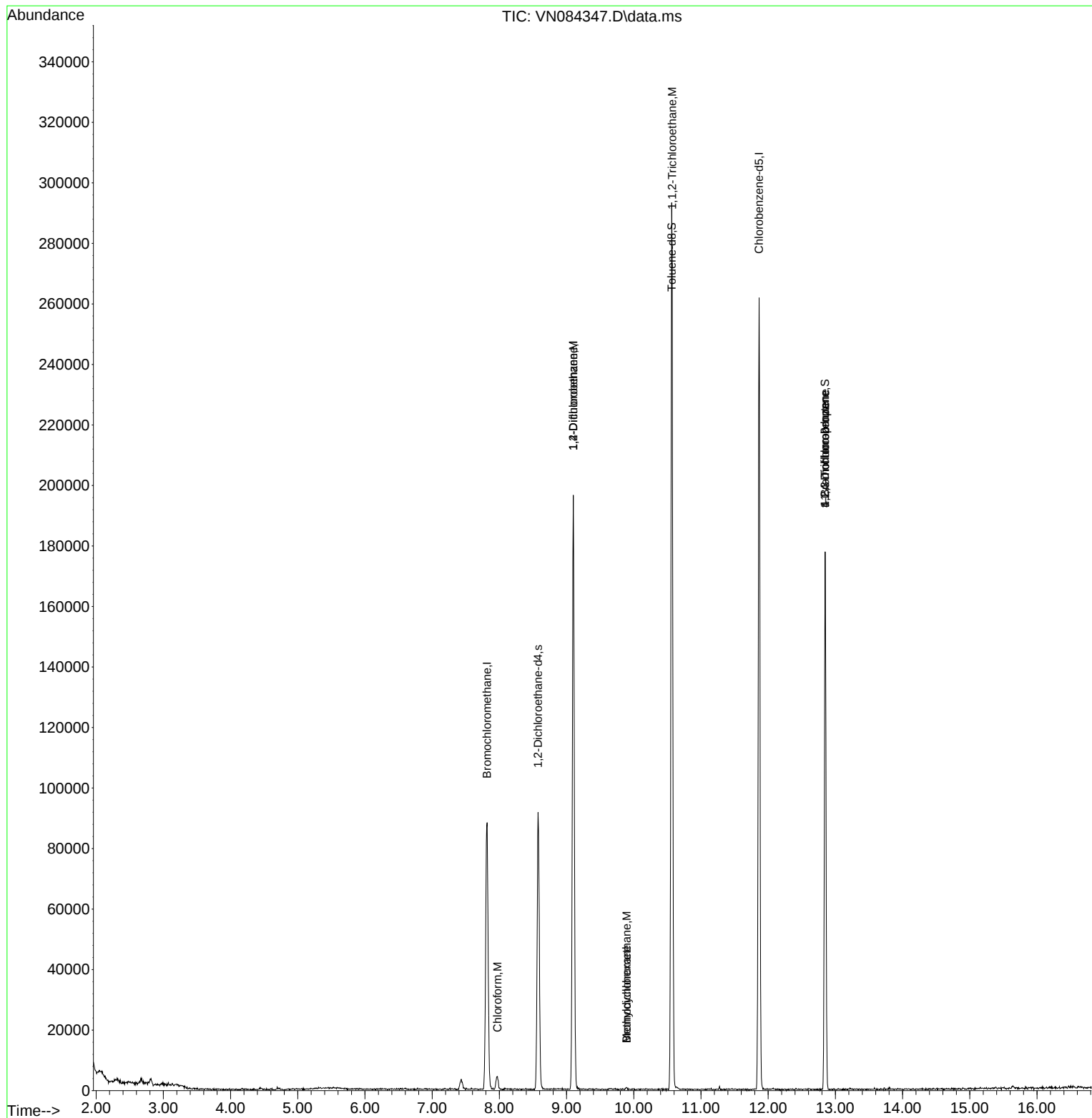
Internal Standards						
1) Bromochloromethane	7.818	128	31566	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	163722	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	147206	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	76147	29.963	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.867%		
60) 4-Bromofluorobenzene	12.847	95	61583	25.348	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	84.500%		
63) Toluene-d8	10.565	98	201067	29.484	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	98.267%		
Target Compounds						
					Qvalue	
25) Chloroform	7.971	83	4858	1.220	ug/l #	71
36) 1,2-Dichloroethane	9.100	62	5935	2.116	ug/l #	75
38) Methylcyclohexane	9.894	83	637	0.216	ug/l #	17
41) Bromodichloromethane	9.894	83	637	0.209	ug/l #	88
50) 1,1,2-Trichloroethane	10.571	97	4402	2.284	ug/l #	1
72) 1,2,3-Trichloropropane	12.847	75	33160	14.321	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	33160	33.513	ug/l #	12

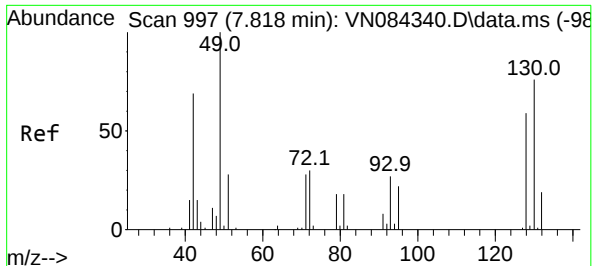
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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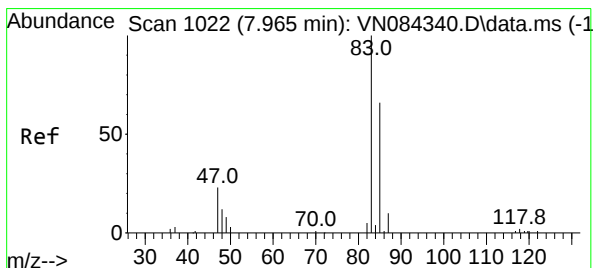
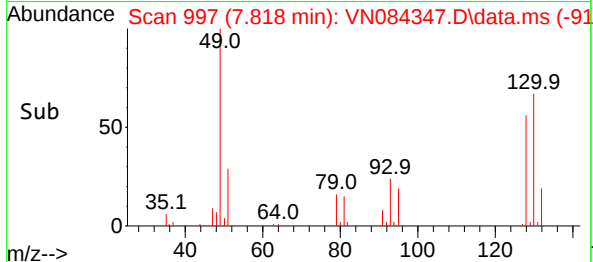
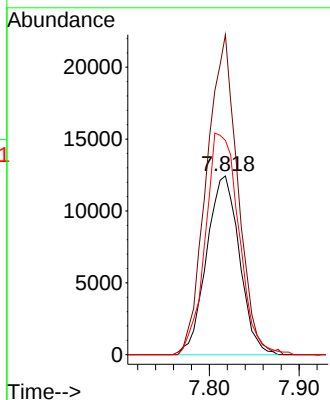
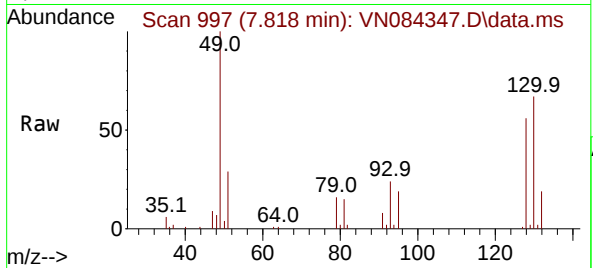




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 997
Delta R.T. -0.000 min
Lab File: VN084347.D
Acq: 08 Oct 2024 14:11

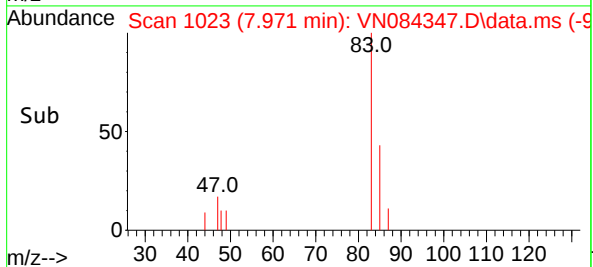
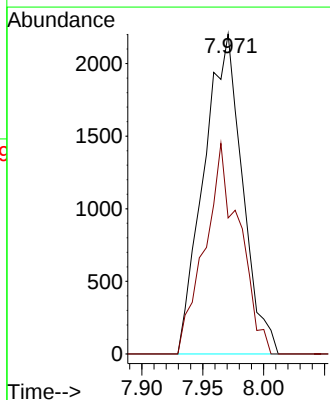
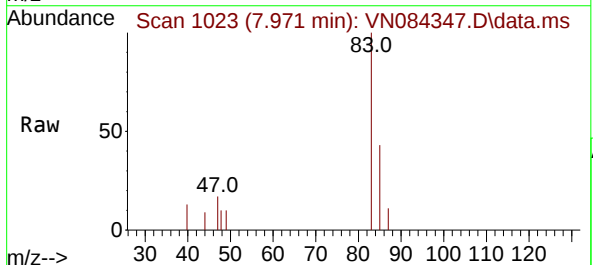
Instrument :
MSVOA_N
ClientSampleId :
14B-1

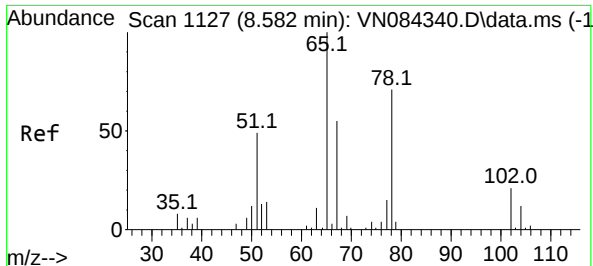
Tgt Ion:128 Resp: 31566
Ion Ratio Lower Upper
128 100
49 169.6 0.0 430.0
130 127.0 0.0 329.8



#25
Chloroform
Concen: 1.220 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.006 min
Lab File: VN084347.D
Acq: 08 Oct 2024 14:11

Tgt Ion: 83 Resp: 4858
Ion Ratio Lower Upper
83 100
85 42.5 52.4 78.6#

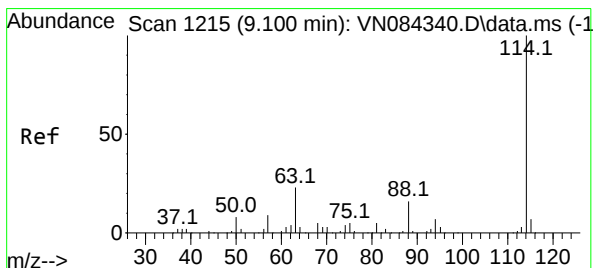
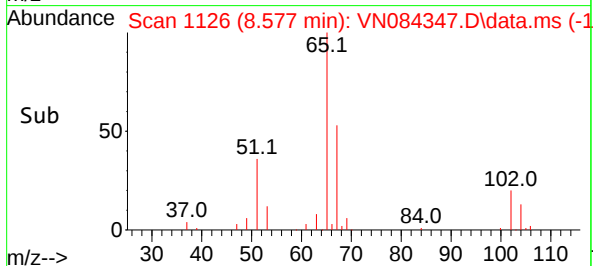
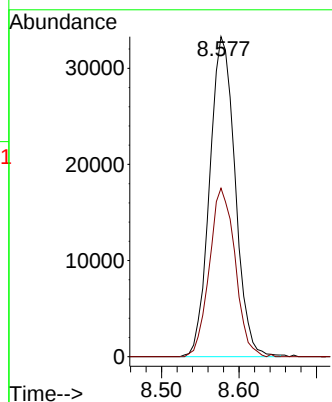
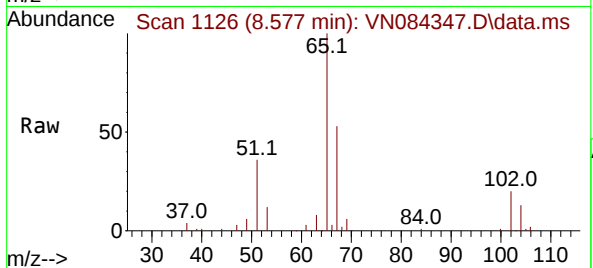




#27
1,2-Dichloroethane-d4
Concen: 29.963 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VN084347.D
Acq: 08 Oct 2024 14:11

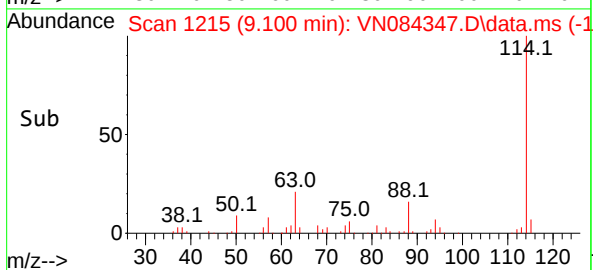
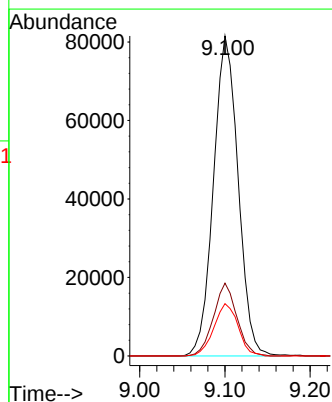
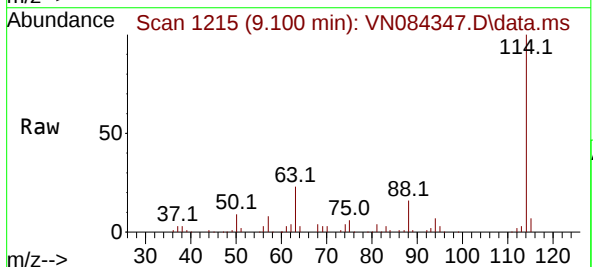
Instrument :
MSVOA_N
ClientSampleId :
14B-1

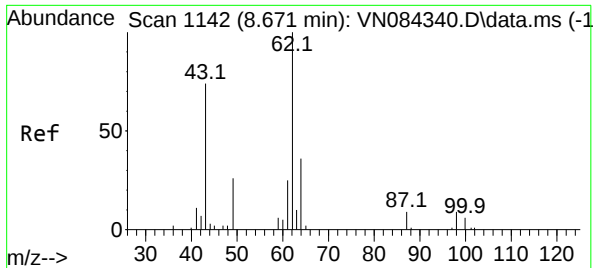
Tgt Ion: 65 Resp: 76147
Ion Ratio Lower Upper
65 100
67 53.0 41.5 62.3



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084347.D
Acq: 08 Oct 2024 14:11

Tgt Ion: 114 Resp: 163722
Ion Ratio Lower Upper
114 100
63 21.6 17.4 26.0
88 16.1 13.2 19.8

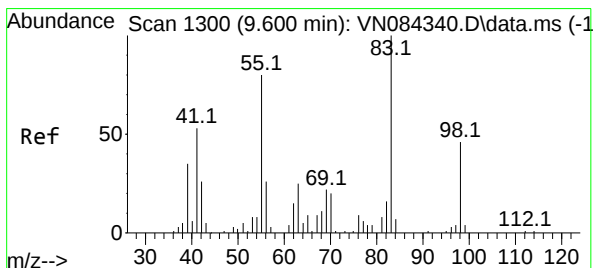
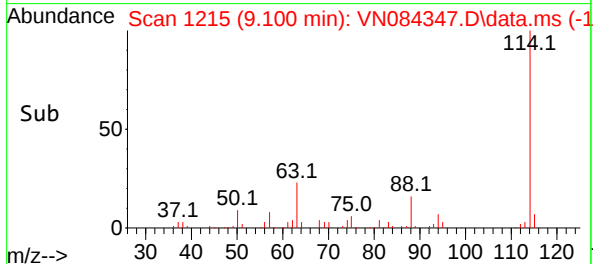
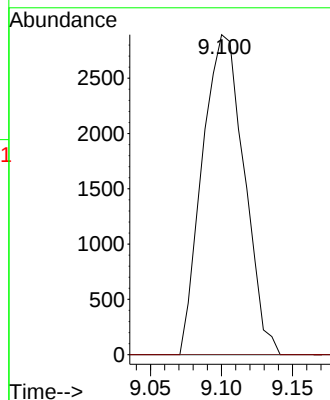
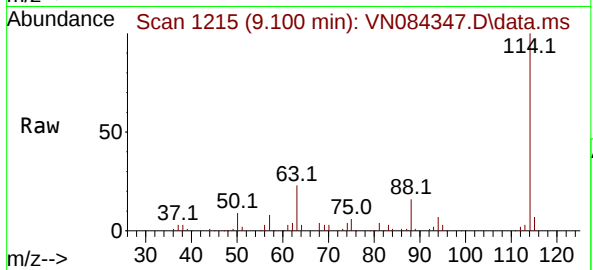




#36
1,2-Dichloroethane
Concen: 2.116 ug/l
RT: 9.100 min Scan# 1142
Delta R.T. 0.429 min
Lab File: VN084347.D
Acq: 08 Oct 2024 14:11

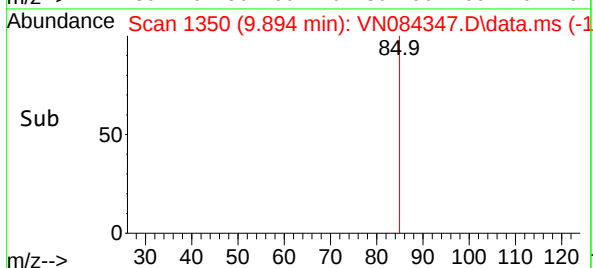
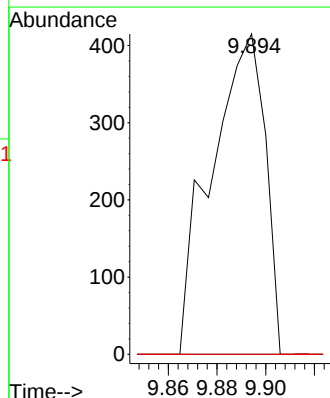
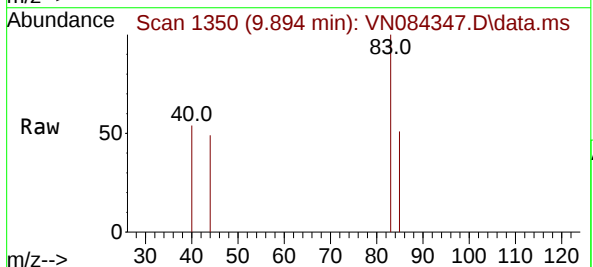
Instrument :
MSVOA_N
ClientSampleId :
14B-1

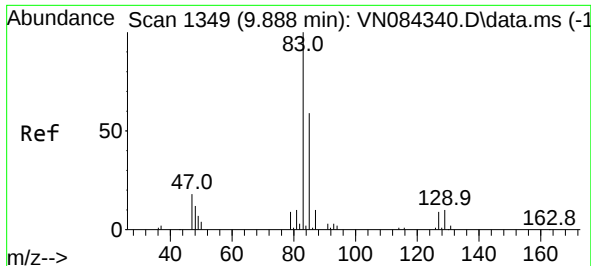
Tgt Ion: 62 Resp: 5935
Ion Ratio Lower Upper
62 100
98 0.0 7.3 10.9#



#38
Methylcyclohexane
Concen: 0.216 ug/l
RT: 9.894 min Scan# 1350
Delta R.T. 0.294 min
Lab File: VN084347.D
Acq: 08 Oct 2024 14:11

Tgt Ion: 83 Resp: 637
Ion Ratio Lower Upper
83 100
55 0.0 39.3 117.8#
98 0.0 24.0 72.0#

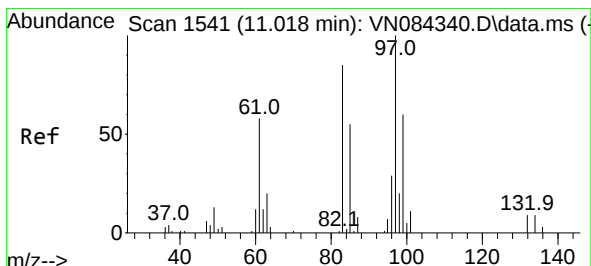
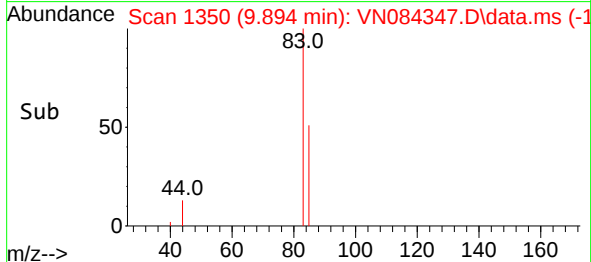
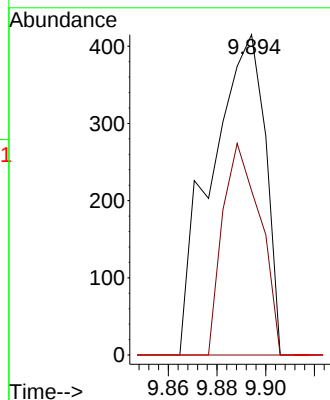
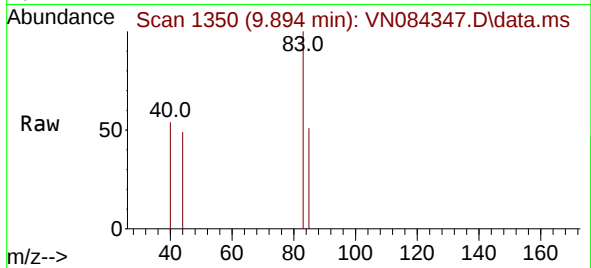




#41
Bromodichloromethane
Concen: 0.209 ug/l
RT: 9.894 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN084347.D
Acq: 08 Oct 2024 14:11

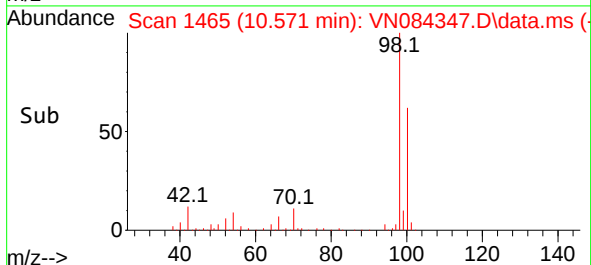
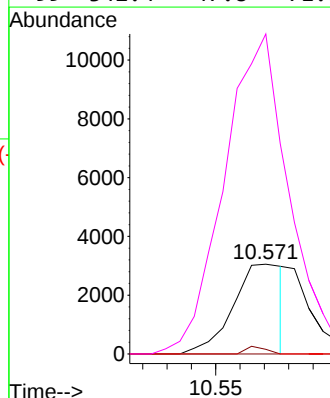
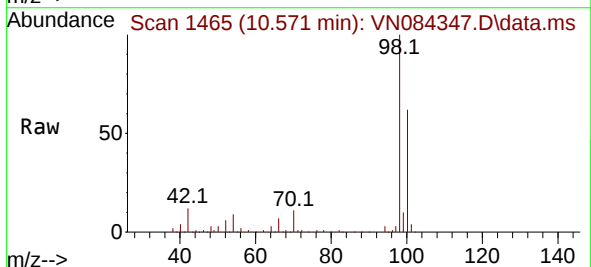
Instrument :
MSVOA_N
ClientSampleId :
14B-1

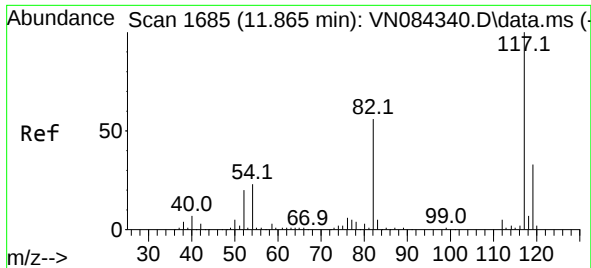
Tgt Ion: 83 Resp: 637
Ion Ratio Lower Upper
83 100
85 51.3 47.1 70.7
127 0.0 7.1 10.7#



#50
1,1,2-Trichloroethane
Concen: 2.284 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.447 min
Lab File: VN084347.D
Acq: 08 Oct 2024 14:11

Tgt Ion: 97 Resp: 4402
Ion Ratio Lower Upper
97 100
83 5.2 67.8 101.8#
85 0.0 44.2 66.2#
99 342.4 47.8 71.8#

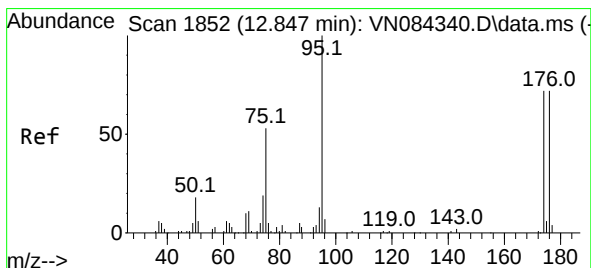
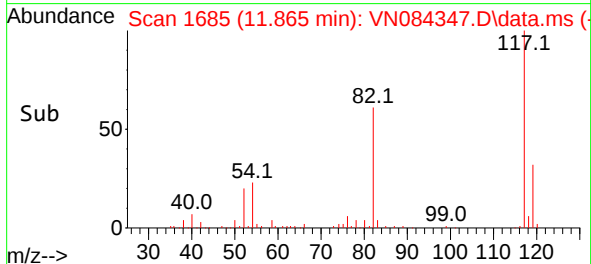
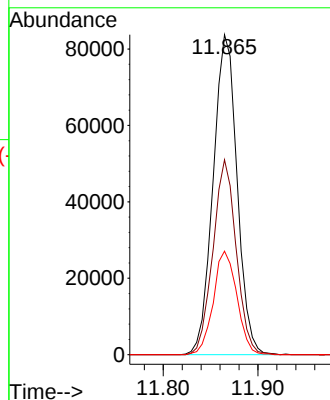
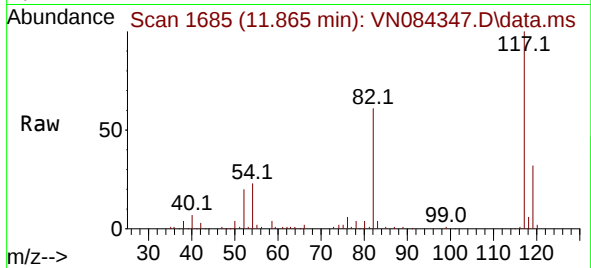




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN084347.D
Acq: 08 Oct 2024 14:11

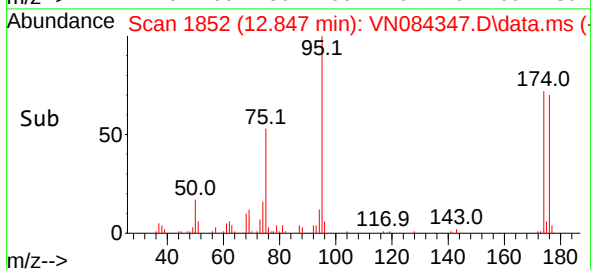
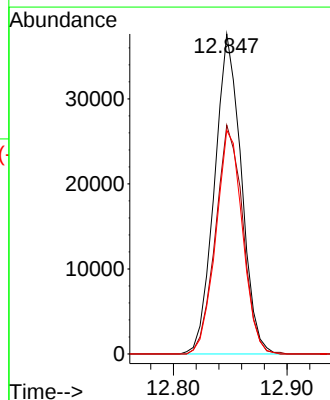
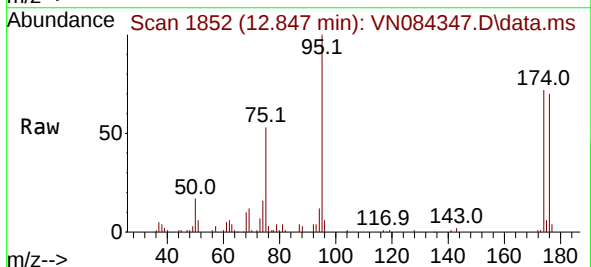
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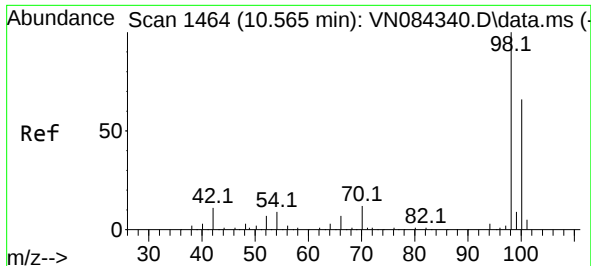
Tgt Ion:117 Resp: 147206
Ion Ratio Lower Upper
117 100
82 59.2 46.2 69.4
119 31.9 25.4 38.2



#60
4-Bromofluorobenzene
Concen: 25.348 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084347.D
Acq: 08 Oct 2024 14:11

Tgt Ion: 95 Resp: 61583
Ion Ratio Lower Upper
95 100
174 72.9 58.2 87.2
176 69.9 56.4 84.6

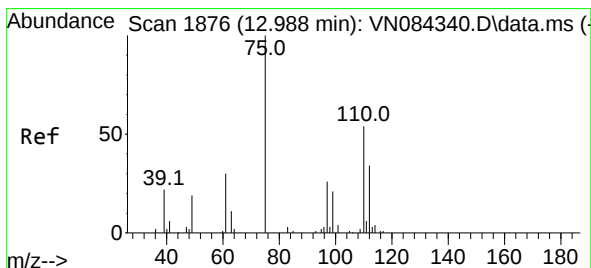
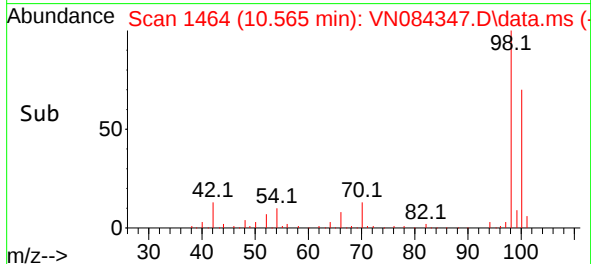
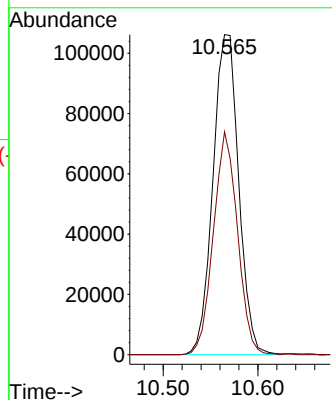
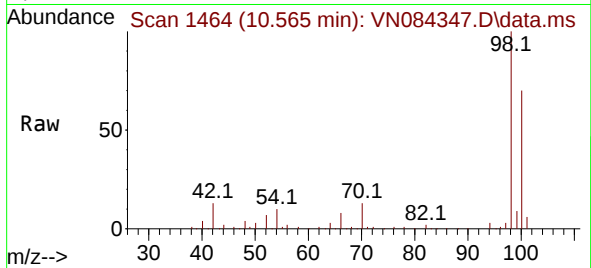




#63
Toluene-d8
Concen: 29.484 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084347.D
Acq: 08 Oct 2024 14:11

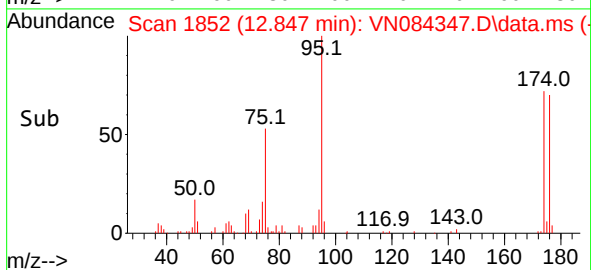
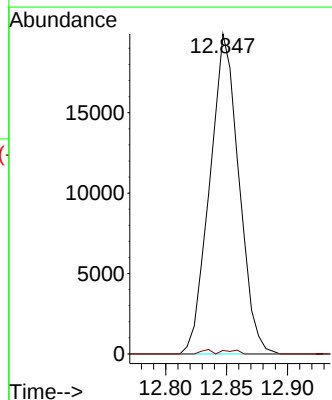
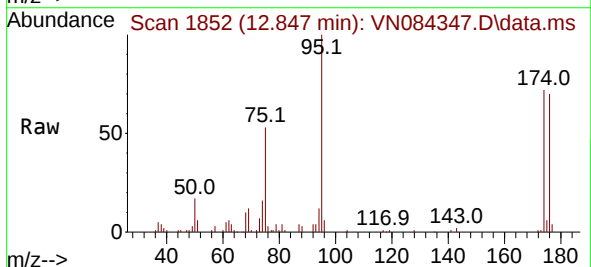
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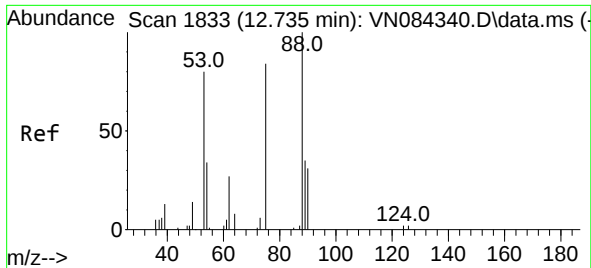
Tgt Ion: 98 Resp: 201067
Ion Ratio Lower Upper
98 100
100 65.0 52.5 78.7



#72
1,2,3-Trichloropropane
Concen: 14.321 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084347.D
Acq: 08 Oct 2024 14:11

Tgt Ion: 75 Resp: 33160
Ion Ratio Lower Upper
75 100
77 0.7 0.0 414.0





#77

t-1,4-Dichloro-2-butene

Concen: 33.513 ug/l

RT: 12.847 min Scan# 11

Delta R.T. 0.112 min

Lab File: VN084347.D

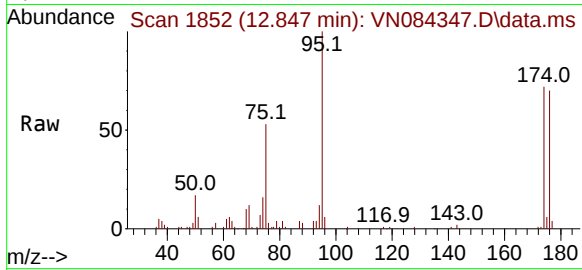
Acq: 08 Oct 2024 14:11

Instrument :

MSVOA_N

ClientSampleId :

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Tgt Ion: 75 Resp: 33160

Ion Ratio Lower Upper

75 100

53 0.0 47.3 142.0#

89 0.0 22.9 68.8#

