

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092024\
 Data File : VN084063.D
 Acq On : 20 Sep 2024 11:56
 Operator : JC\MD
 Sample : P4110-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 20 23:24:37 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)

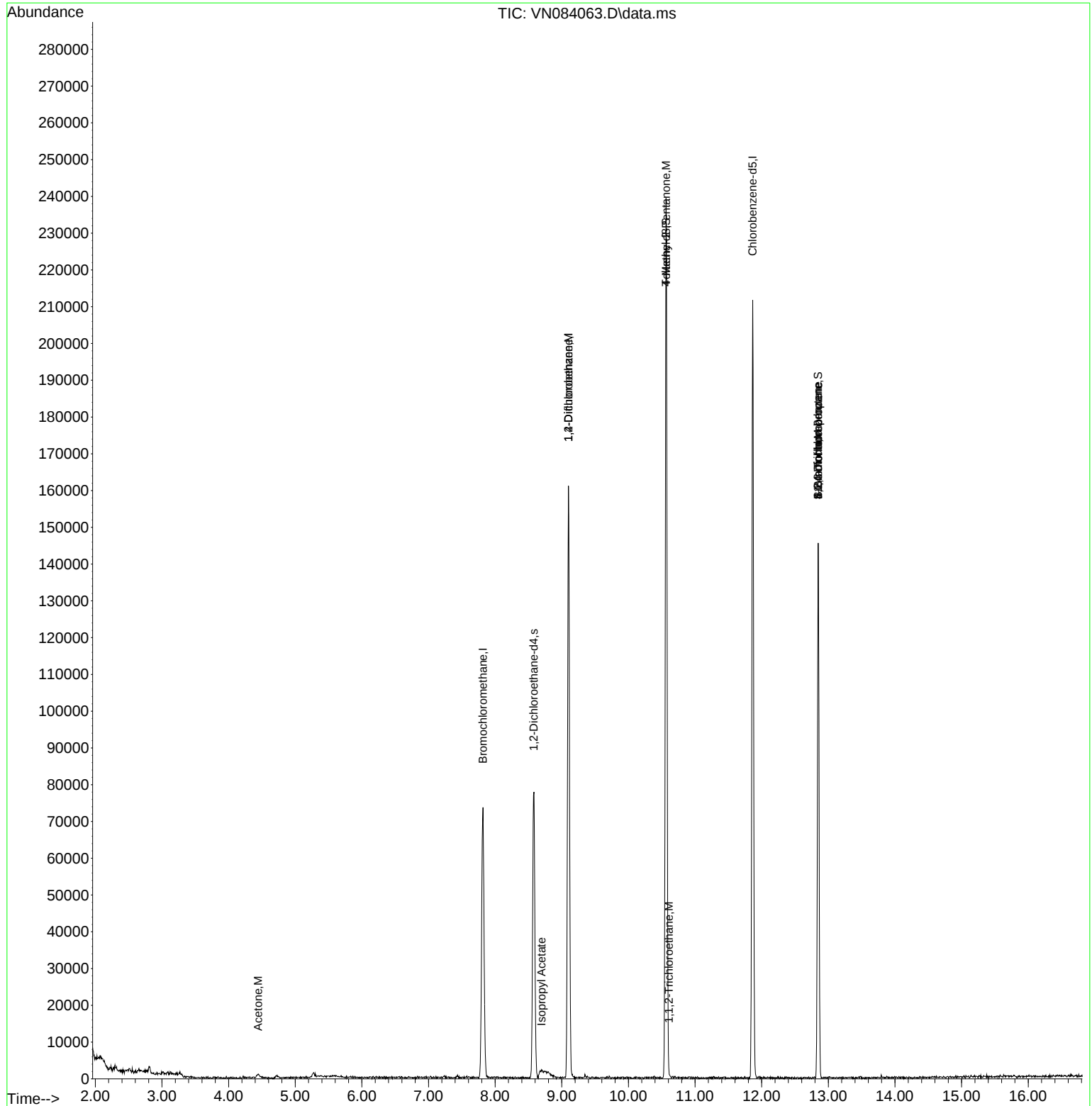
Internal Standards						
1) Bromochloromethane	7.818	128	24071	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	128591	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	115448	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	69632	31.647	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	105.500%
60) 4-Bromofluorobenzene	12.847	95	48484	24.367	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	81.233%
63) Toluene-d8	10.565	98	160841	30.088	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.300%
Target Compounds						
					Qvalue	
15) Acetone	4.442	58	237	0.979	ug/l #	1
36) 1,2-Dichloroethane	9.100	62	5401	2.348	ug/l #	72
44) Isopropyl Acetate	8.694	43	1231	0.368	ug/l #	43
50) 1,1,2-Trichloroethane	10.606	97	320	0.234	ug/l #	26
56) Bromoform	12.847	173	548	0.525	ug/l #	1
58) 4-Methyl-2-Pentanone	10.565	43	727	0.397	ug/l #	1
72) 1,2,3-Trichloropropane	12.847	75	27345	16.104	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.847	75	27345	38.099	ug/l #	12

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090624W.M
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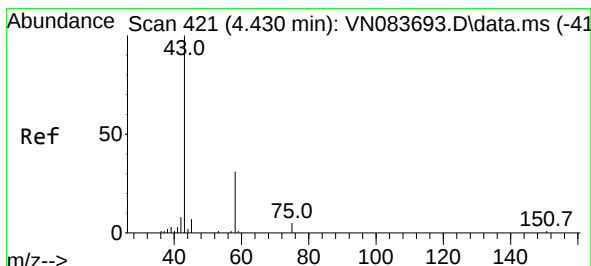
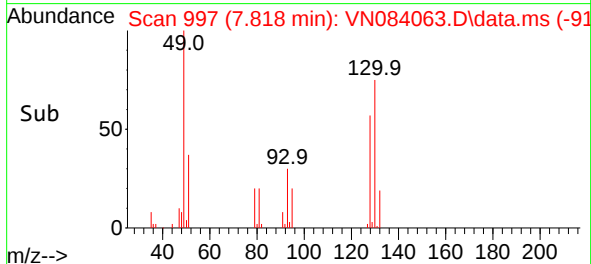
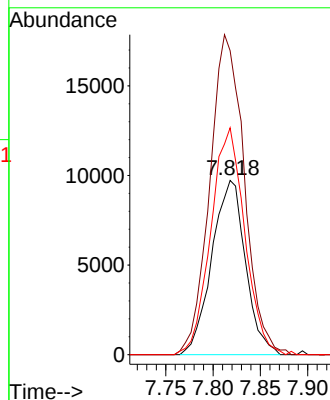
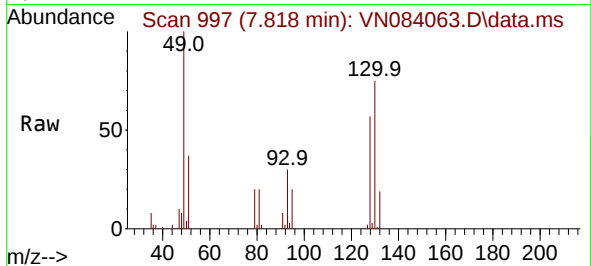




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN084063.D
Acq: 20 Sep 2024 11:56

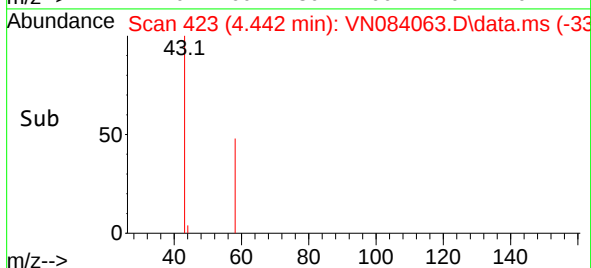
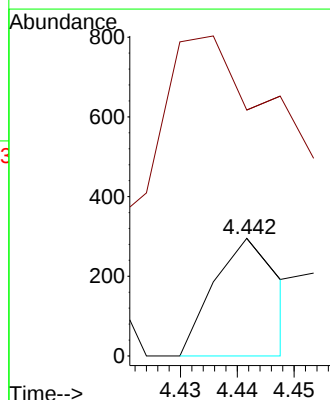
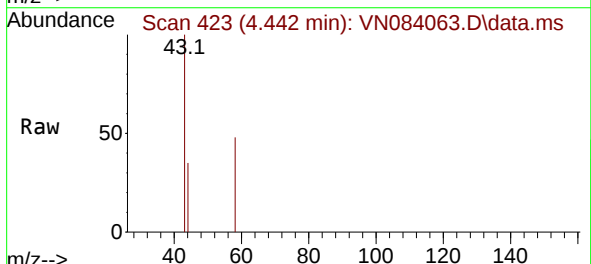
Instrument :
MSVOA_N
ClientSampleId :

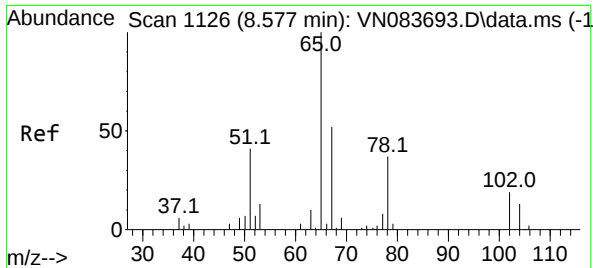
Tgt Ion:128 Resp: 24071
Ion Ratio Lower Upper
128 100
49 187.7 0.0 403.7
130 131.1 0.0 323.3



#15
Acetone
Concen: 0.979 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.012 min
Lab File: VN084063.D
Acq: 20 Sep 2024 11:56

Tgt Ion: 58 Resp: 237
Ion Ratio Lower Upper
58 100
43 0.0 223.1 334.7#

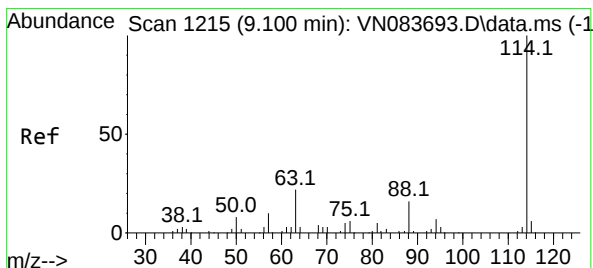
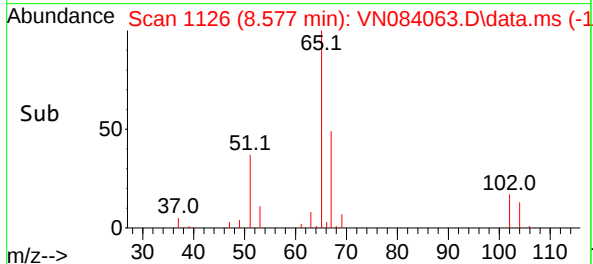
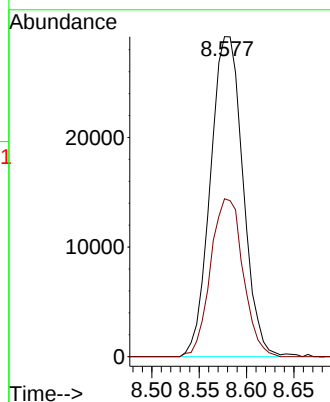
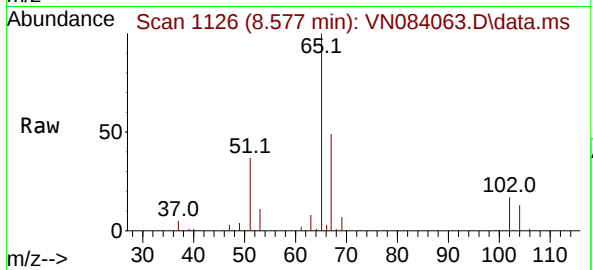




#27
 1,2-Dichloroethane-d4
 Concen: 31.647 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VN084063.D
 Acq: 20 Sep 2024 11:56

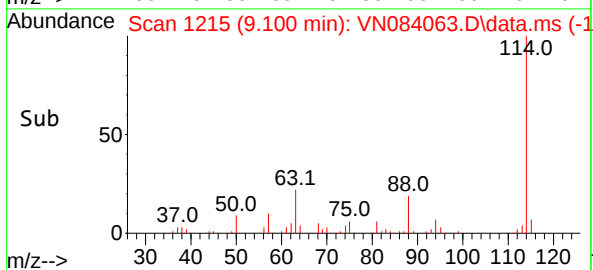
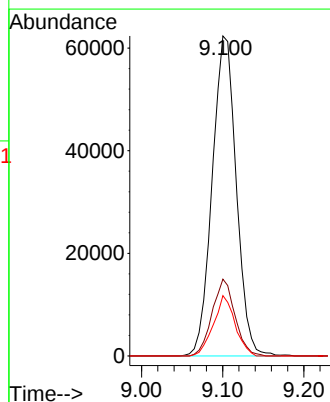
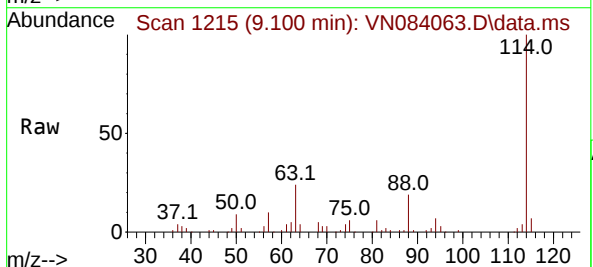
Instrument :
 MSVOA_N
 ClientSampleId :

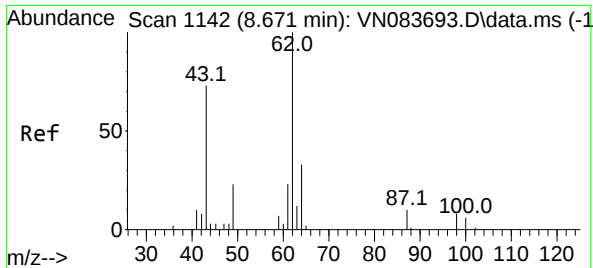
Tgt Ion: 65 Resp: 69632
 Ion Ratio Lower Upper
 65 100
 67 49.3 43.2 64.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. 0.000 min
 Lab File: VN084063.D
 Acq: 20 Sep 2024 11:56

Tgt Ion: 114 Resp: 128591
 Ion Ratio Lower Upper
 114 100
 63 22.7 15.9 23.9
 88 16.9 12.7 19.1

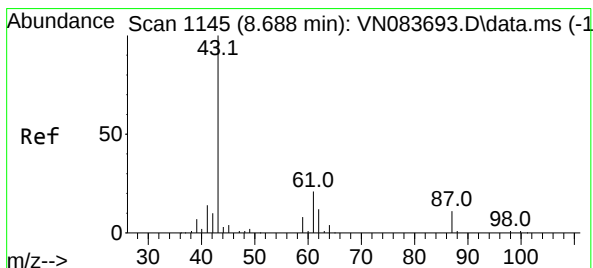
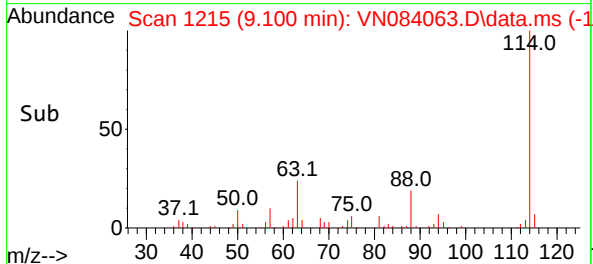
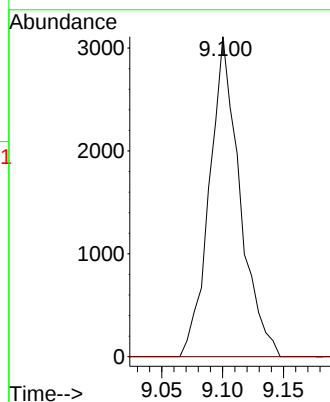
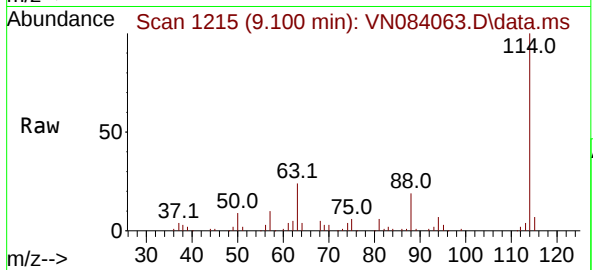




#36
1,2-Dichloroethane
Concen: 2.348 ug/l
RT: 9.100 min Scan# 1142
Delta R.T. 0.429 min
Lab File: VN084063.D
Acq: 20 Sep 2024 11:56

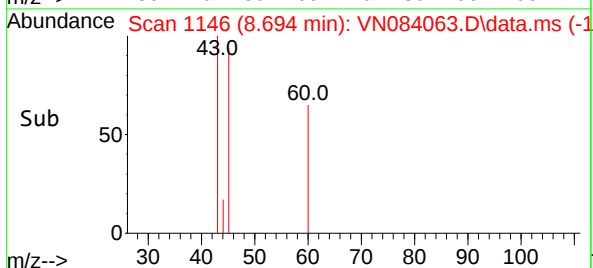
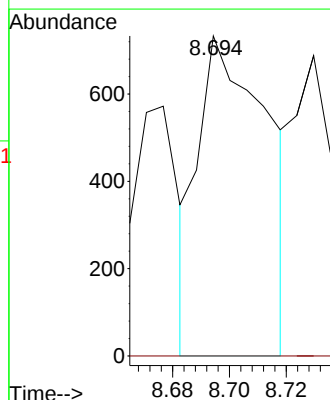
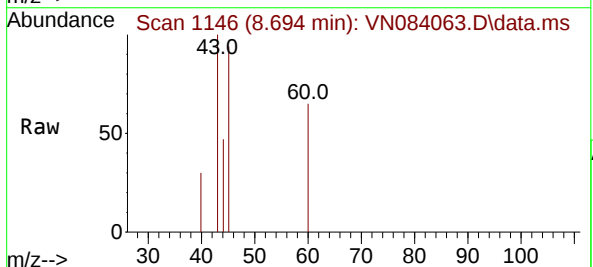
Instrument :
MSVOA_N
ClientSampleId :

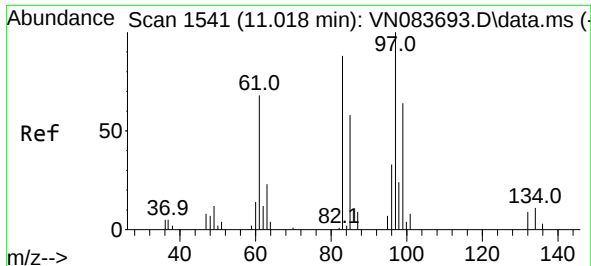
Tgt Ion: 62 Resp: 5401
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.4#



#44
Isopropyl Acetate
Concen: 0.368 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN084063.D
Acq: 20 Sep 2024 11:56

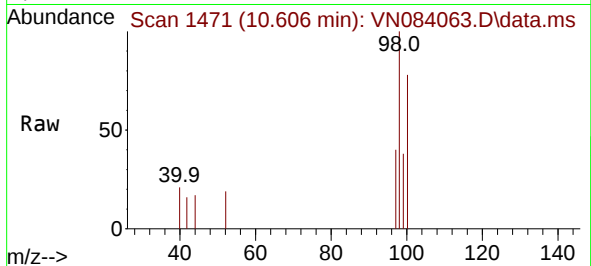
Tgt Ion: 43 Resp: 1231
Ion Ratio Lower Upper
43 100
61 0.0 25.0 37.4#



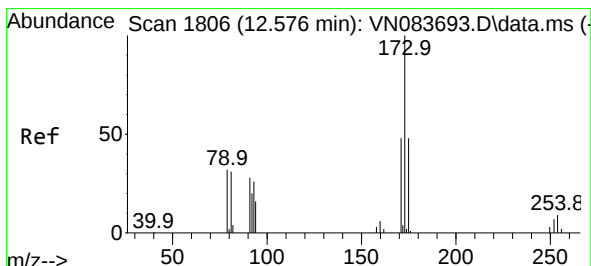
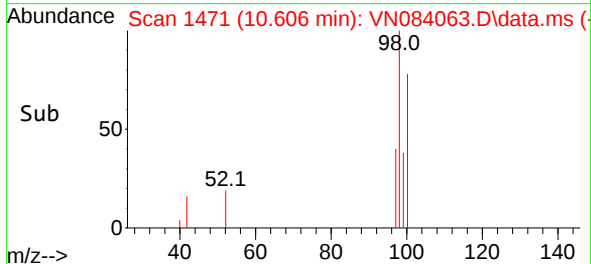
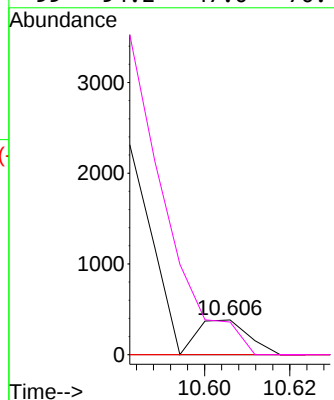


#50
1,1,2-Trichloroethane
Concen: 0.234 ug/l
RT: 10.606 min Scan# 14
Delta R.T. -0.412 min
Lab File: VN084063.D
Acq: 20 Sep 2024 11:56

Instrument :
MSVOA_N
ClientSampleId :

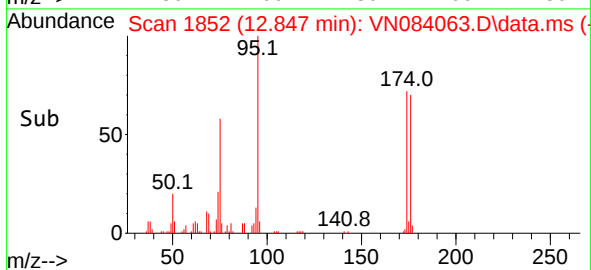
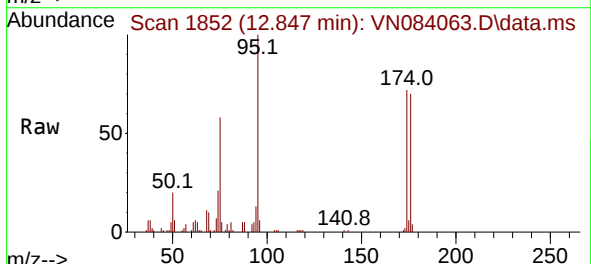
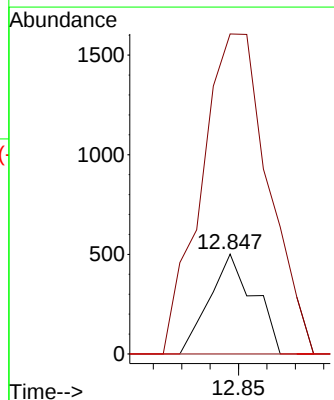


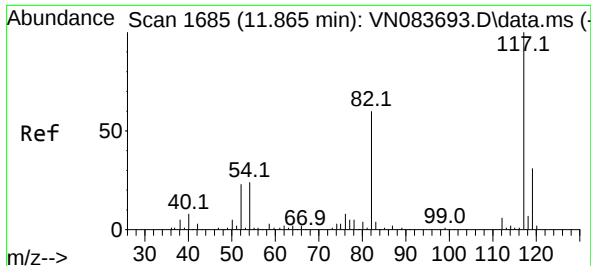
Tgt Ion: 97	Resp:	320
Ion	Ratio	Lower Upper
97	100	
83	0.0	68.1 102.1#
85	0.0	41.8 62.6#
99	94.2	47.0 70.4#



#56
Bromoform
Concen: 0.525 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN084063.D
Acq: 20 Sep 2024 11:56

Tgt Ion: 173	Resp:	548
Ion	Ratio	Lower Upper
173	100	
175	482.1	40.0 60.0#
254	0.0	8.3 12.5#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN084063.D

Acq: 20 Sep 2024 11:56

Instrument :

MSVOA_N

ClientSampleId :

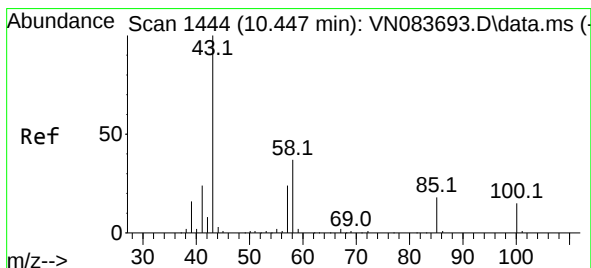
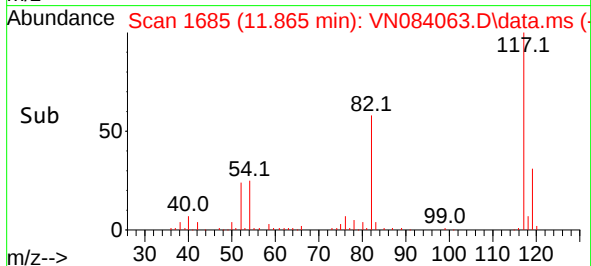
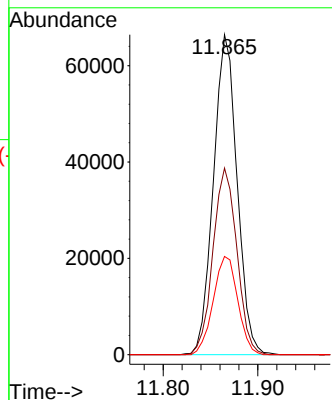
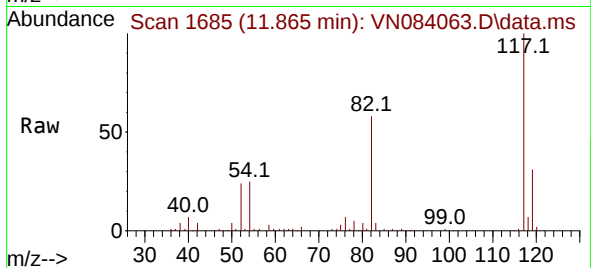
Tgt Ion:117 Resp: 115448

Ion Ratio Lower Upper

117 100

82 58.9 46.6 69.8

119 31.9 25.4 38.2



#58

4-Methyl-2-Pentanone

Concen: 0.397 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.118 min

Lab File: VN084063.D

Acq: 20 Sep 2024 11:56

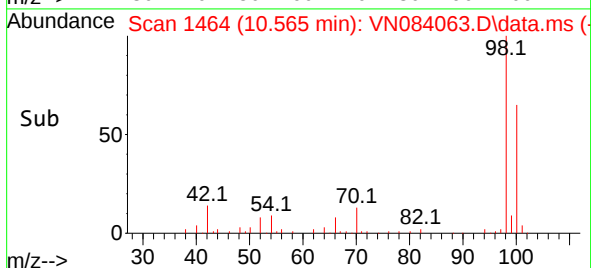
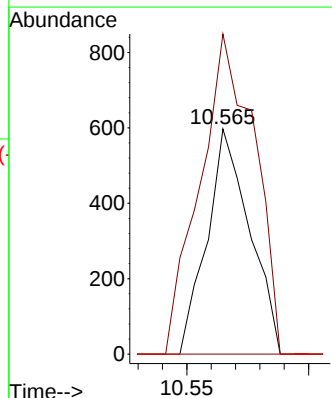
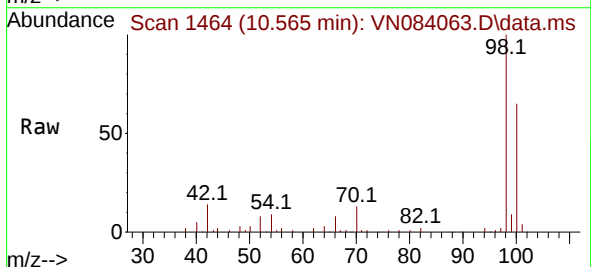
Tgt Ion: 43 Resp: 727

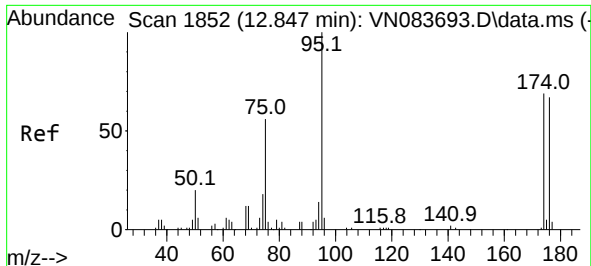
Ion Ratio Lower Upper

43 100

58 181.8 36.5 54.7#

85 0.0 19.5 29.3#

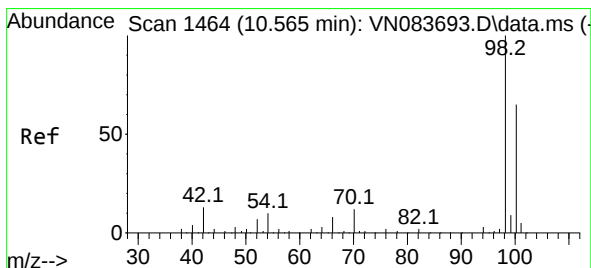
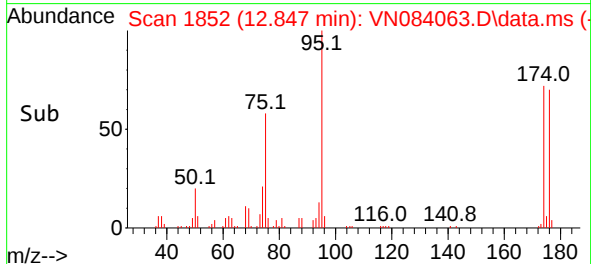
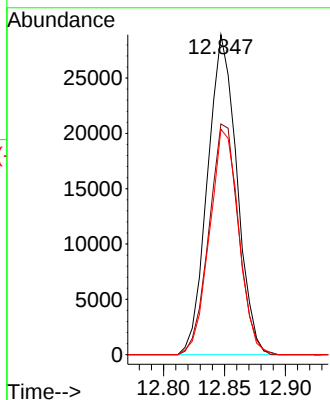
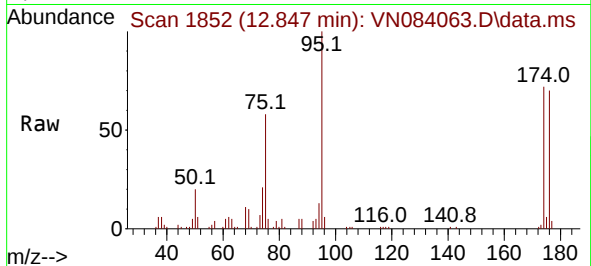




#60
4-Bromofluorobenzene
Concen: 24.367 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084063.D
Acq: 20 Sep 2024 11:56

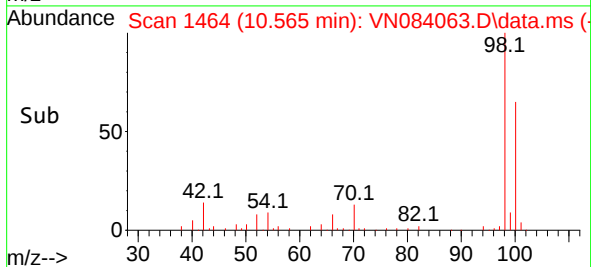
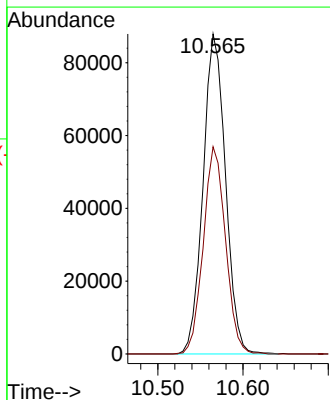
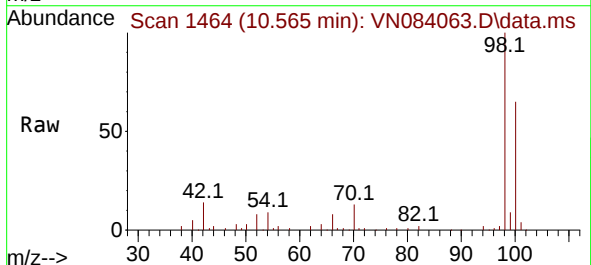
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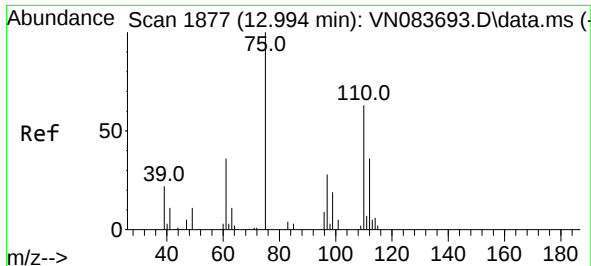
Tgt Ion: 95 Resp: 48484
Ion Ratio Lower Upper
95 100
174 72.5 60.5 90.7
176 70.1 57.8 86.6



#63
Toluene-d8
Concen: 30.088 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084063.D
Acq: 20 Sep 2024 11:56

Tgt Ion: 98 Resp: 160841
Ion Ratio Lower Upper
98 100
100 63.9 52.7 79.1

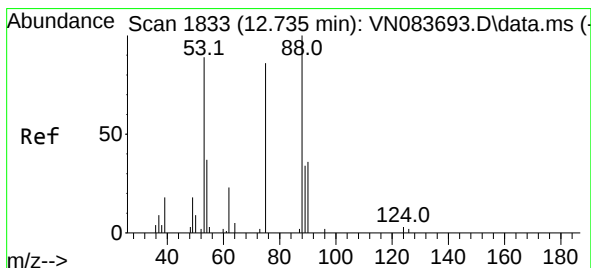
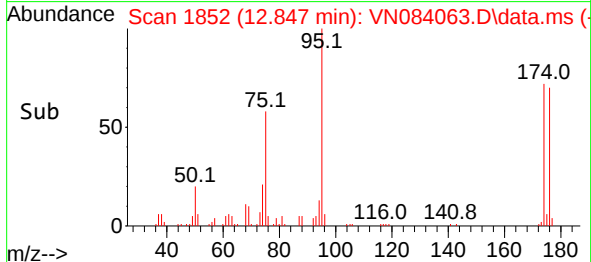
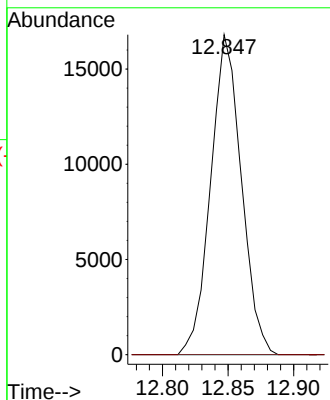
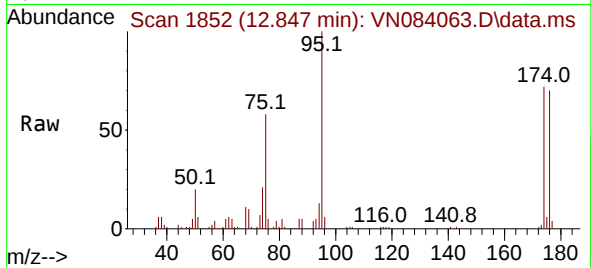




#72
1,2,3-Trichloropropane
Concen: 16.104 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN084063.D
Acq: 20 Sep 2024 11:56

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 27345
Ion Ratio Lower Upper
75 100
77 0.0 0.0 367.6



#77
t-1,4-Dichloro-2-butene
Concen: 38.099 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084063.D
Acq: 20 Sep 2024 11:56

Tgt Ion: 75 Resp: 27345
Ion Ratio Lower Upper
75 100
53 0.0 45.9 137.7#
89 0.0 25.9 77.7#

