

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100824\
 Data File : VN084354.D
 Acq On : 08 Oct 2024 17:16
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Oct 09 02:33:16 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)

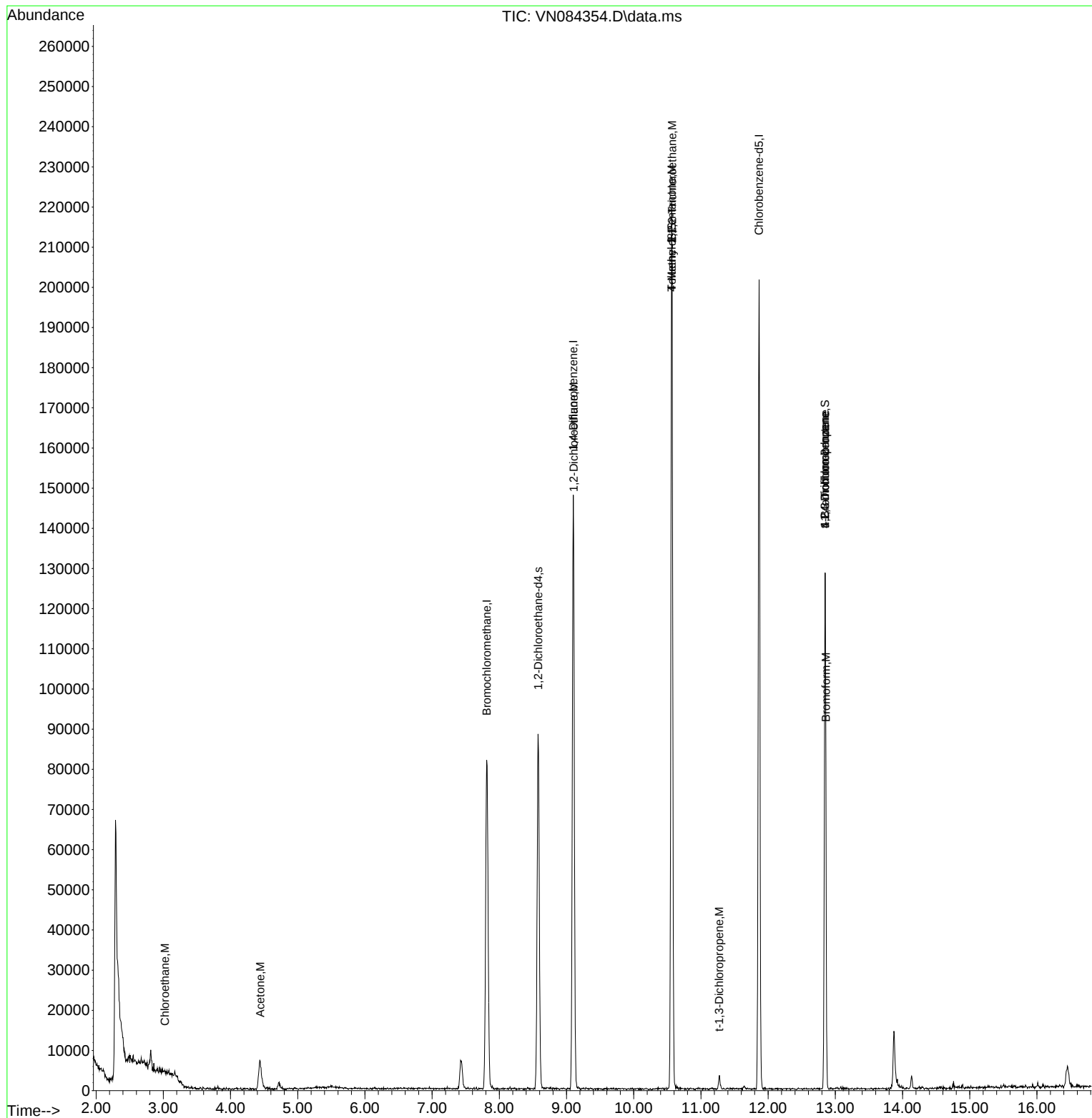
Internal Standards						
1) Bromochloromethane	7.812	128	29929	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	125501	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	112304	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	72748	30.191	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.633%
60) 4-Bromofluorobenzene	12.847	95	45598	24.601	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	82.000%
63) Toluene-d8	10.565	98	150137	28.858	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	96.200%
Target Compounds						
					Qvalue	
6) Chloroethane	3.024	64	430	0.322	ug/l	93
15) Acetone	4.442	58	3437	11.479	ug/l #	66
36) 1,2-Dichloroethane	9.106	62	4500	2.093	ug/l #	75
48) t-1,3-Dichloropropene	11.271	75	520	0.216	ug/l #	44
50) 1,1,2-Trichloroethane	10.571	97	4952	3.352	ug/l #	1
56) Bromoform	12.859	173	342	0.295	ug/l #	1
58) 4-Methyl-2-Pentanone	10.565	43	623	0.298	ug/l #	1
72) 1,2,3-Trichloropropane	12.847	75	23948	13.557	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	23948	31.725	ug/l #	12

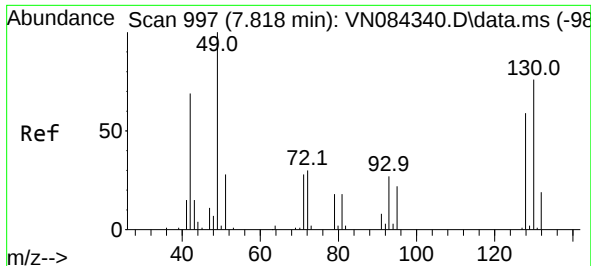
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 09 02:33:16 2024
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:21:08 2024
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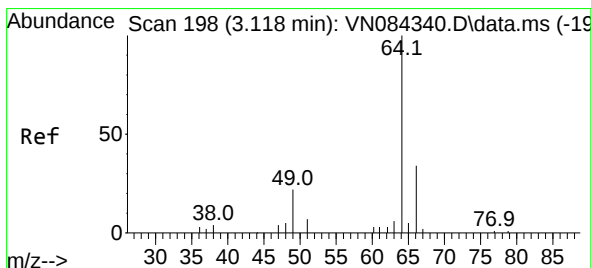
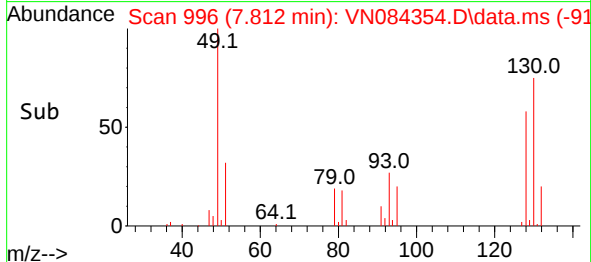
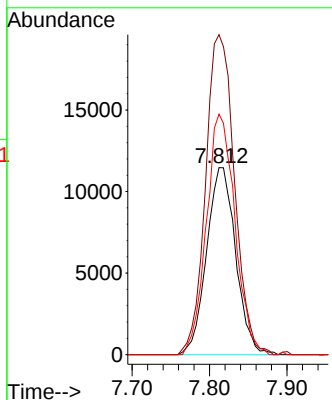
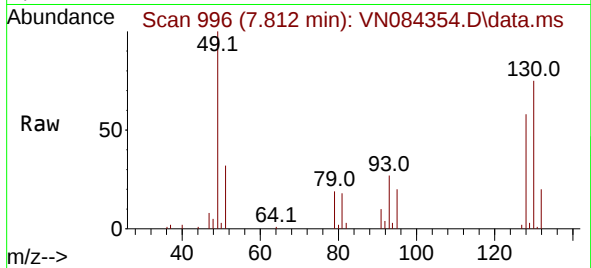




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 997
Delta R.T. -0.006 min
Lab File: VN084354.D
Acq: 08 Oct 2024 17:16

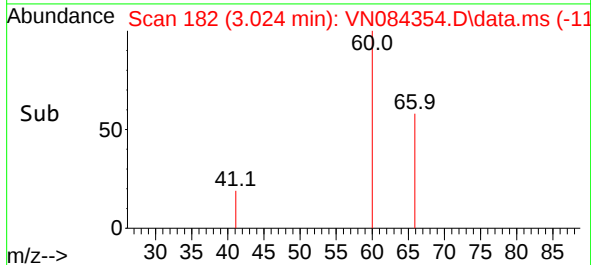
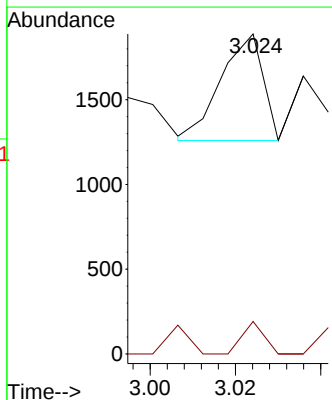
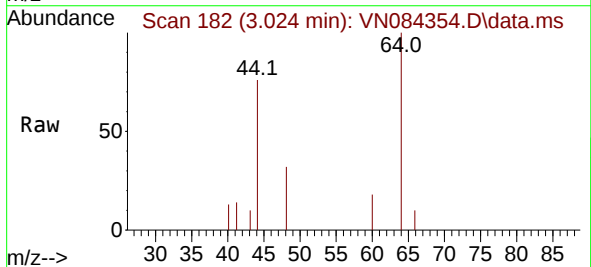
Instrument :
MSVOA_N
ClientSampleId :
IBLK

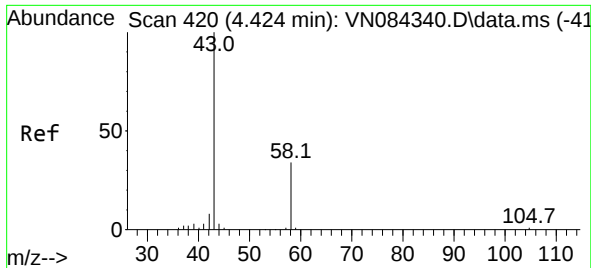
Tgt Ion:128 Resp: 29929
Ion Ratio Lower Upper
128 100
49 169.8 0.0 430.0
130 126.5 0.0 329.8



#6
Chloroethane
Concen: 0.322 ug/l
RT: 3.024 min Scan# 182
Delta R.T. -0.094 min
Lab File: VN084354.D
Acq: 08 Oct 2024 17:16

Tgt Ion: 64 Resp: 430
Ion Ratio Lower Upper
64 100
66 30.4 27.7 41.5

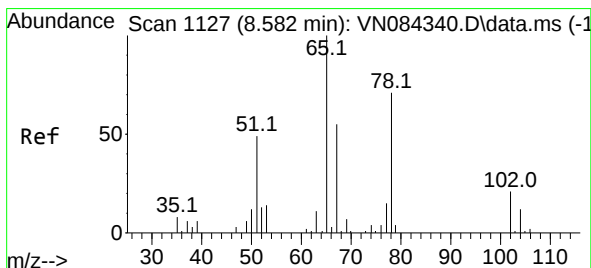
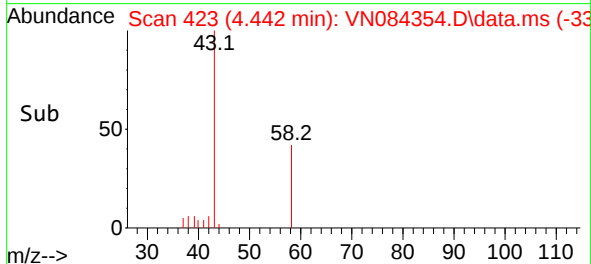
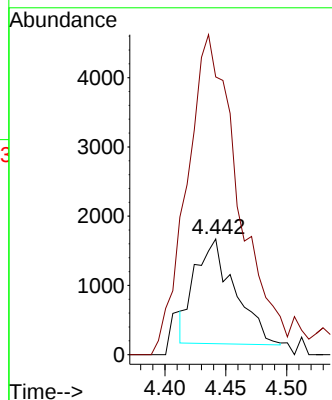
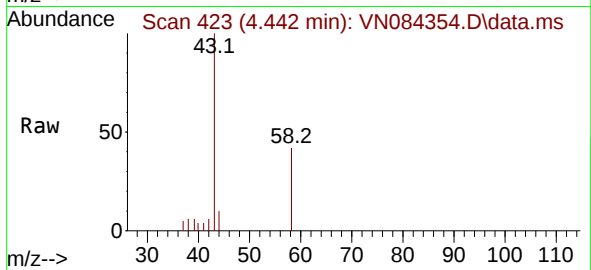




#15
Acetone
Concen: 11.479 ug/l
RT: 4.442 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN084354.D
Acq: 08 Oct 2024 17:16

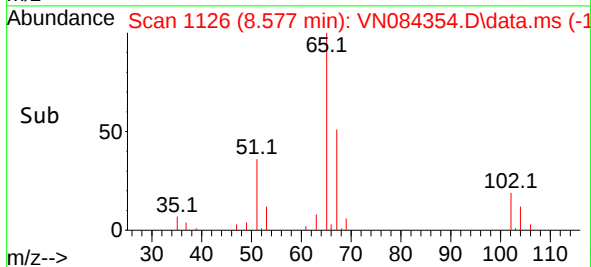
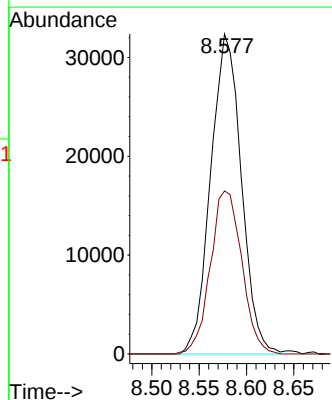
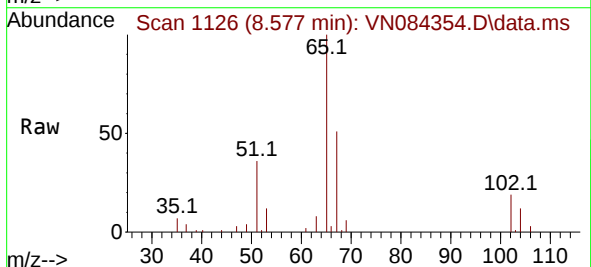
Instrument :
MSVOA_N
ClientSampleId :
IBLK

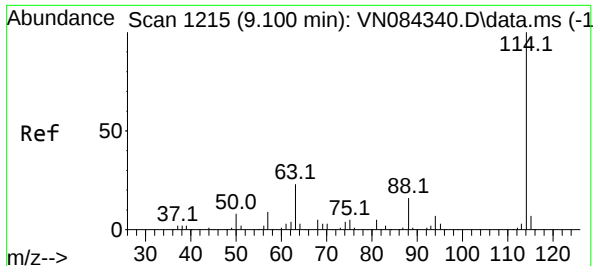
Tgt Ion: 58 Resp: 3437
Ion Ratio Lower Upper
58 100
43 230.3 237.5 356.3#



#27
1,2-Dichloroethane-d4
Concen: 30.191 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VN084354.D
Acq: 08 Oct 2024 17:16

Tgt Ion: 65 Resp: 72748
Ion Ratio Lower Upper
65 100
67 52.4 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: VN084354.D

Acq: 08 Oct 2024 17:16

Instrument :

MSVOA_N

ClientSampleId :

IBLK

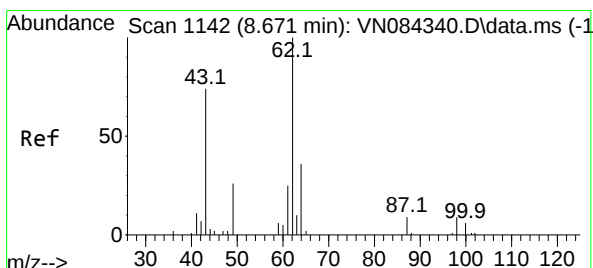
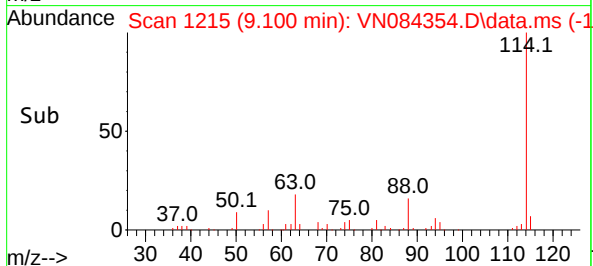
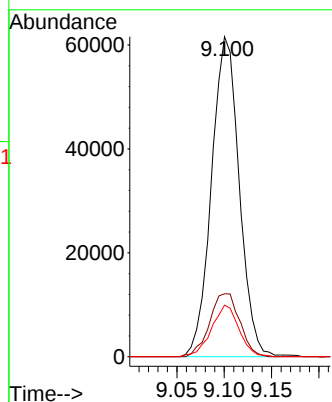
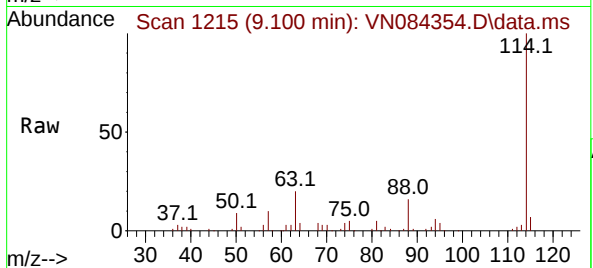
Tgt Ion:114 Resp: 125501

Ion Ratio Lower Upper

114 100

63 21.3 17.4 26.0

88 16.0 13.2 19.8



#36

1,2-Dichloroethane

Concen: 2.093 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.435 min

Lab File: VN084354.D

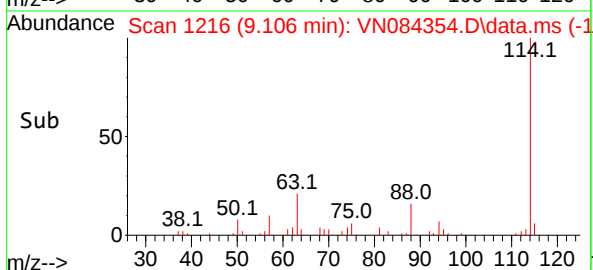
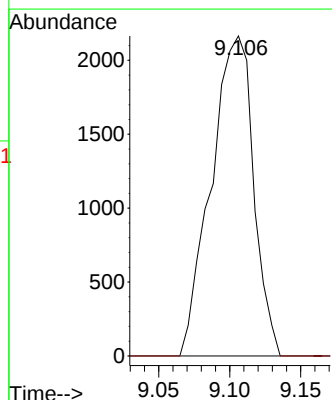
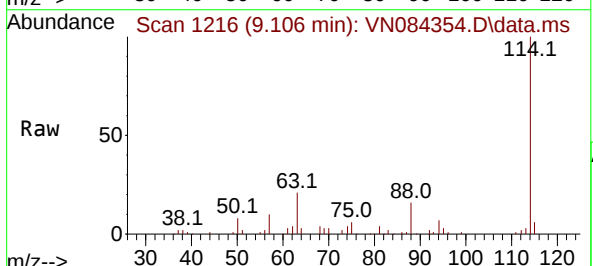
Acq: 08 Oct 2024 17:16

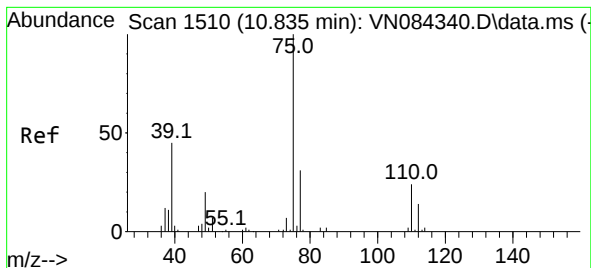
Tgt Ion: 62 Resp: 4500

Ion Ratio Lower Upper

62 100

98 0.0 7.3 10.9#

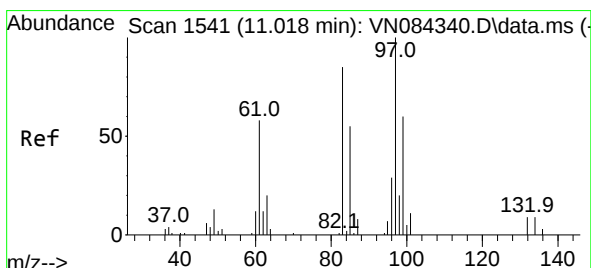
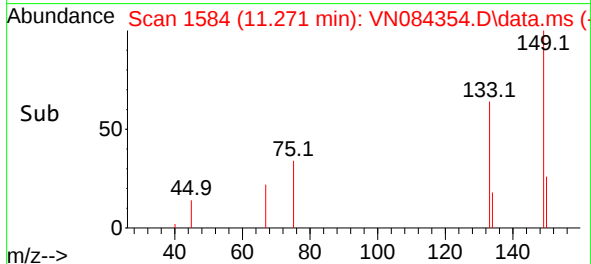
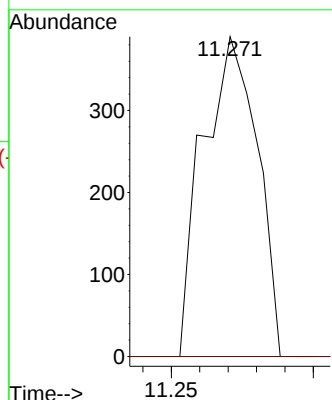
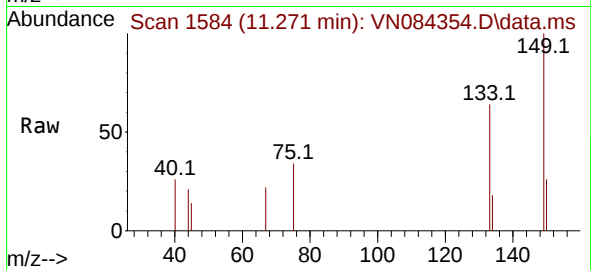




#48
t-1,3-Dichloropropene
Concen: 0.216 ug/l
RT: 11.271 min Scan# 11
Delta R.T. 0.435 min
Lab File: VN084354.D
Acq: 08 Oct 2024 17:16

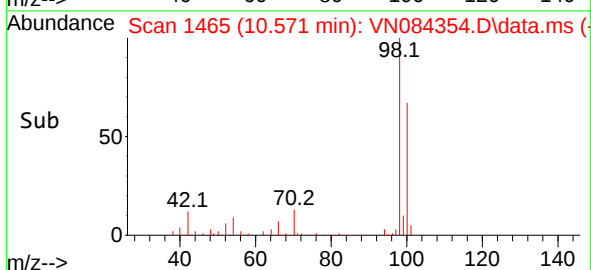
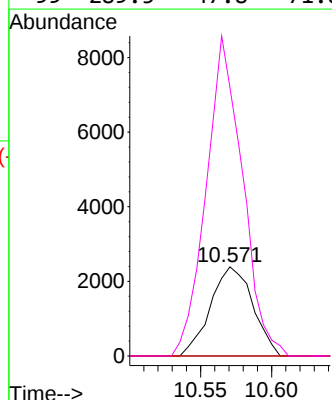
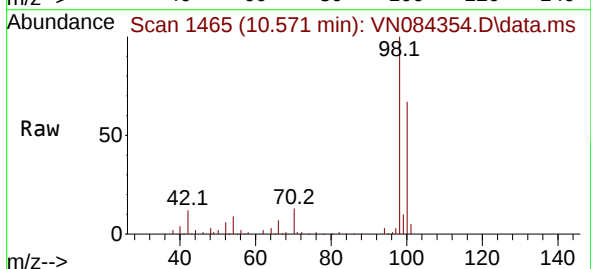
Instrument :
MSVOA_N
ClientSampleId :
IBLK

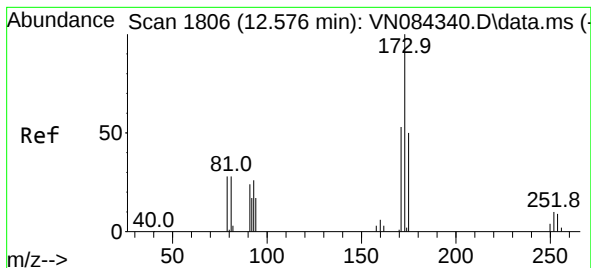
Tgt Ion: 75 Resp: 520
Ion Ratio Lower Upper
75 100
77 0.0 24.6 37.0#



#50
1,1,2-Trichloroethane
Concen: 3.352 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.447 min
Lab File: VN084354.D
Acq: 08 Oct 2024 17:16

Tgt Ion: 97 Resp: 4952
Ion Ratio Lower Upper
97 100
83 0.0 67.8 101.8#
85 0.0 44.2 66.2#
99 289.5 47.8 71.8#





#56

Bromoform

Concen: 0.295 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. 0.282 min

Lab File: VN084354.D

Acq: 08 Oct 2024 17:16

Instrument :

MSVOA_N

ClientSampleId :

IBLK

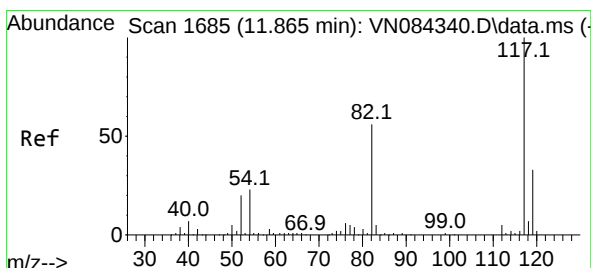
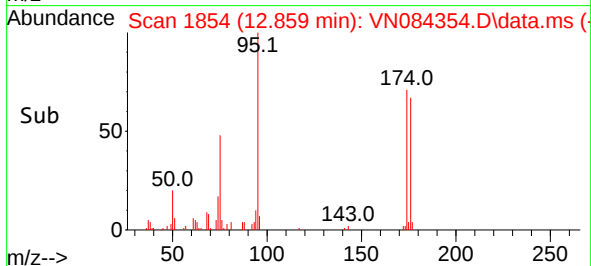
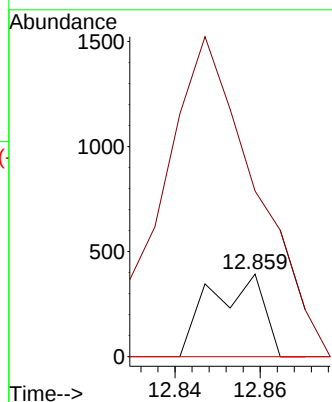
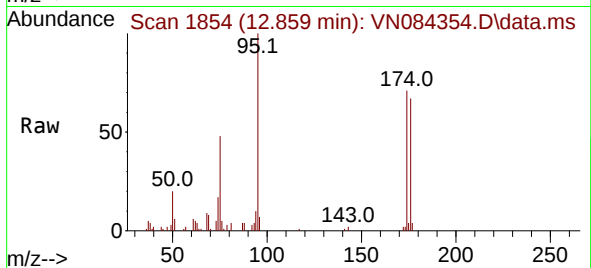
Tgt Ion:173 Resp: 342

Ion Ratio Lower Upper

173 100

175 666.1 39.4 59.2#

254 0.0 6.8 10.2#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VN084354.D

Acq: 08 Oct 2024 17:16

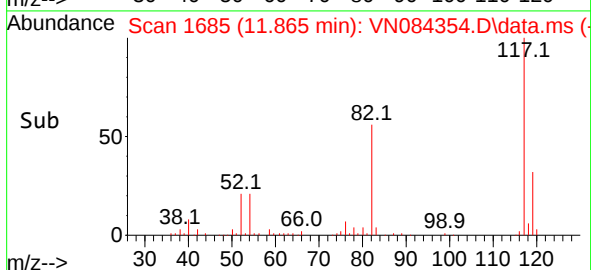
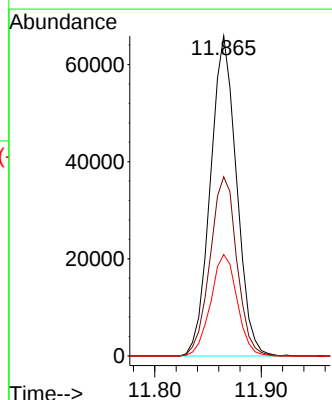
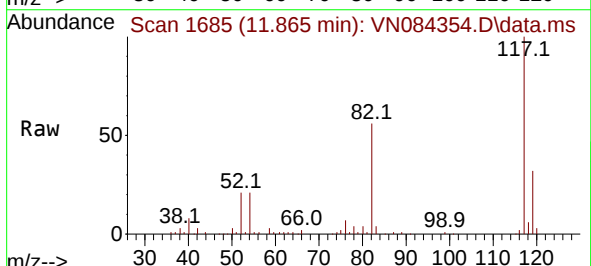
Tgt Ion:117 Resp: 112304

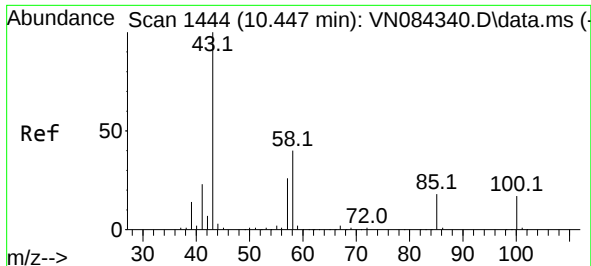
Ion Ratio Lower Upper

117 100

82 57.4 46.2 69.4

119 32.0 25.4 38.2

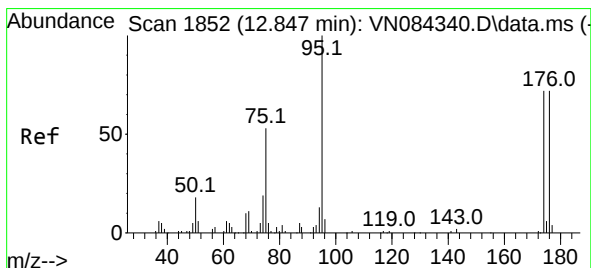
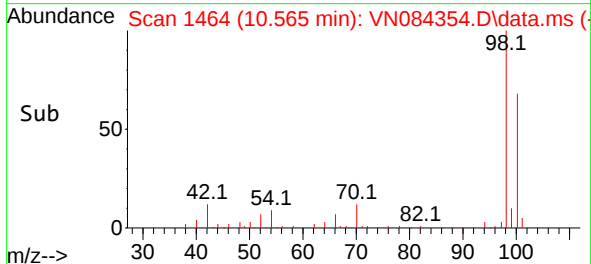
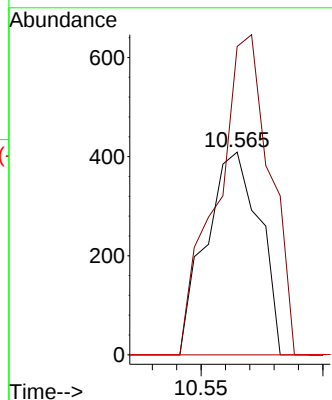
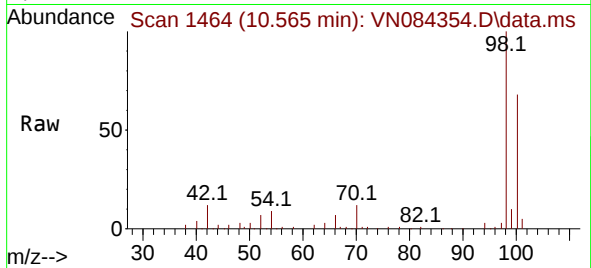




#58
4-Methyl-2-Pentanone
Concen: 0.298 ug/l
RT: 10.565 min Scan# 1444
Delta R.T. 0.118 min
Lab File: VN084354.D
Acq: 08 Oct 2024 17:16

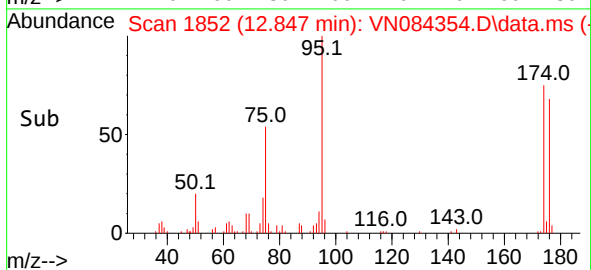
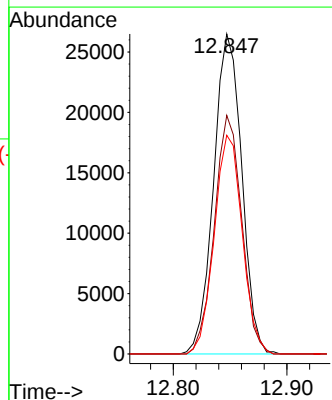
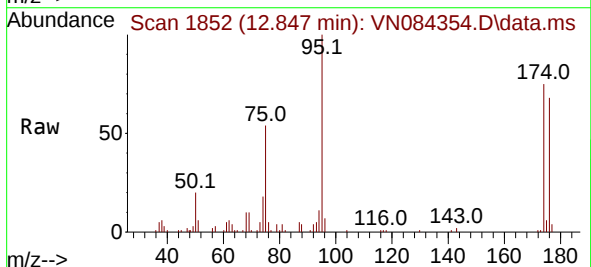
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IBLK

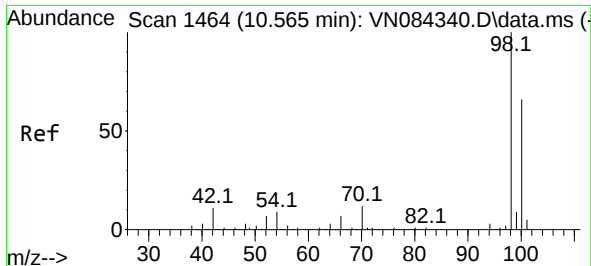
Tgt Ion: 43 Resp: 623
Ion Ratio Lower Upper
43 100
58 157.8 31.9 47.9#
85 0.0 14.6 22.0#



#60
4-Bromofluorobenzene
Concen: 24.601 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084354.D
Acq: 08 Oct 2024 17:16

Tgt Ion: 95 Resp: 45598
Ion Ratio Lower Upper
95 100
174 72.5 58.2 87.2
176 68.1 56.4 84.6

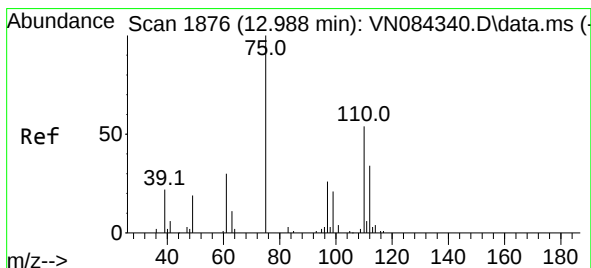
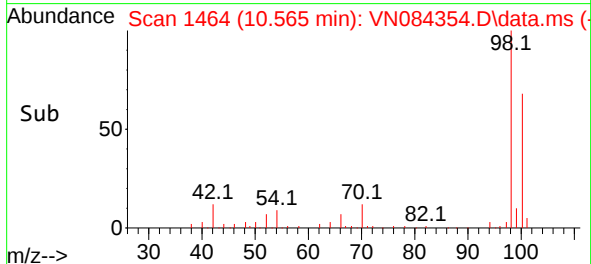
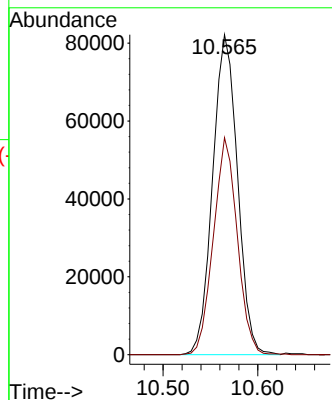
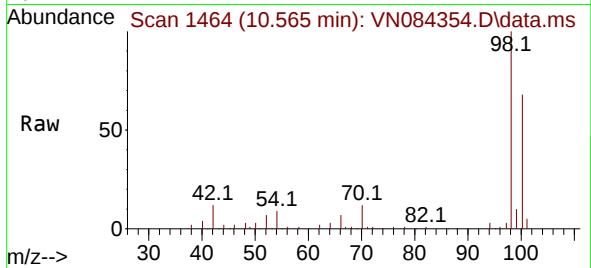




#63
Toluene-d8
Concen: 28.858 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084354.D
Acq: 08 Oct 2024 17:16

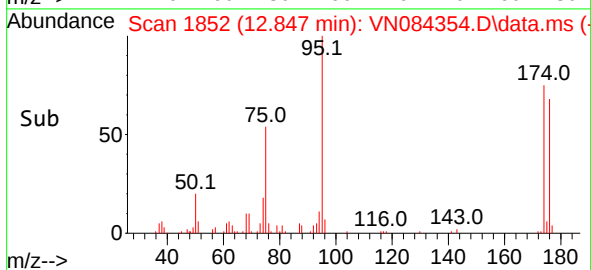
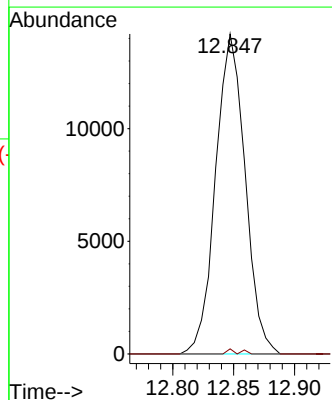
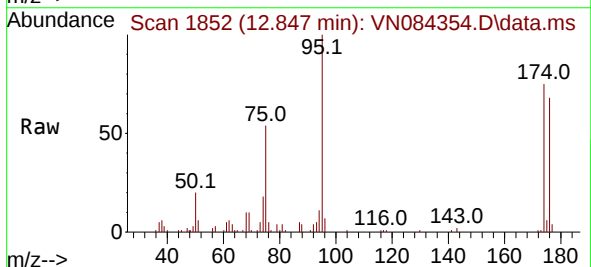
Instrument :
MSVOA_N
ClientSampleId :
IBLK

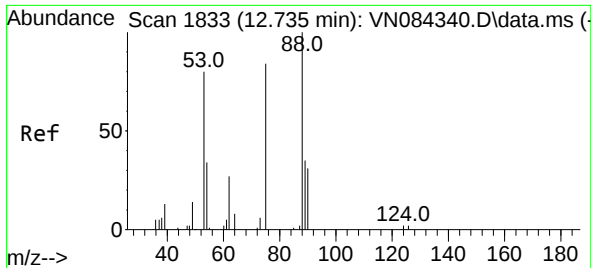
Tgt Ion: 98 Resp: 150137
Ion Ratio Lower Upper
98 100
100 65.2 52.5 78.7



#72
1,2,3-Trichloropropane
Concen: 13.557 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084354.D
Acq: 08 Oct 2024 17:16

Tgt Ion: 75 Resp: 23948
Ion Ratio Lower Upper
75 100
77 0.3 0.0 414.0





#77

t-1,4-Dichloro-2-butene

Concen: 31.725 ug/l

RT: 12.847 min Scan# 11

Delta R.T. 0.112 min

Lab File: VN084354.D

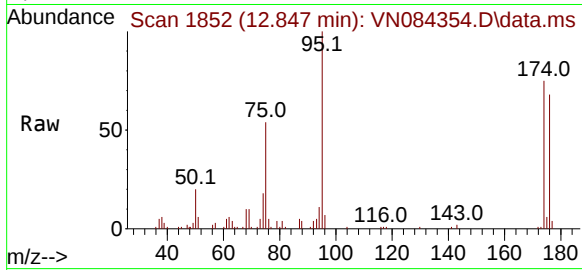
Acq: 08 Oct 2024 17:16

Instrument :

MSVOA_N

ClientSampleId :

IBLK



Tgt Ion: 75 Resp: 23948

Ion Ratio Lower Upper

75 100

53 0.0 47.3 142.0#

89 0.0 22.9 68.8#

