

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061122\
 Data File : VN072790.D
 Acq On : 11 Jun 2022 15:18
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Jun 13 01:20:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N060622W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jun 06 14:10:15 2022
 Response via : Initial Calibration

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

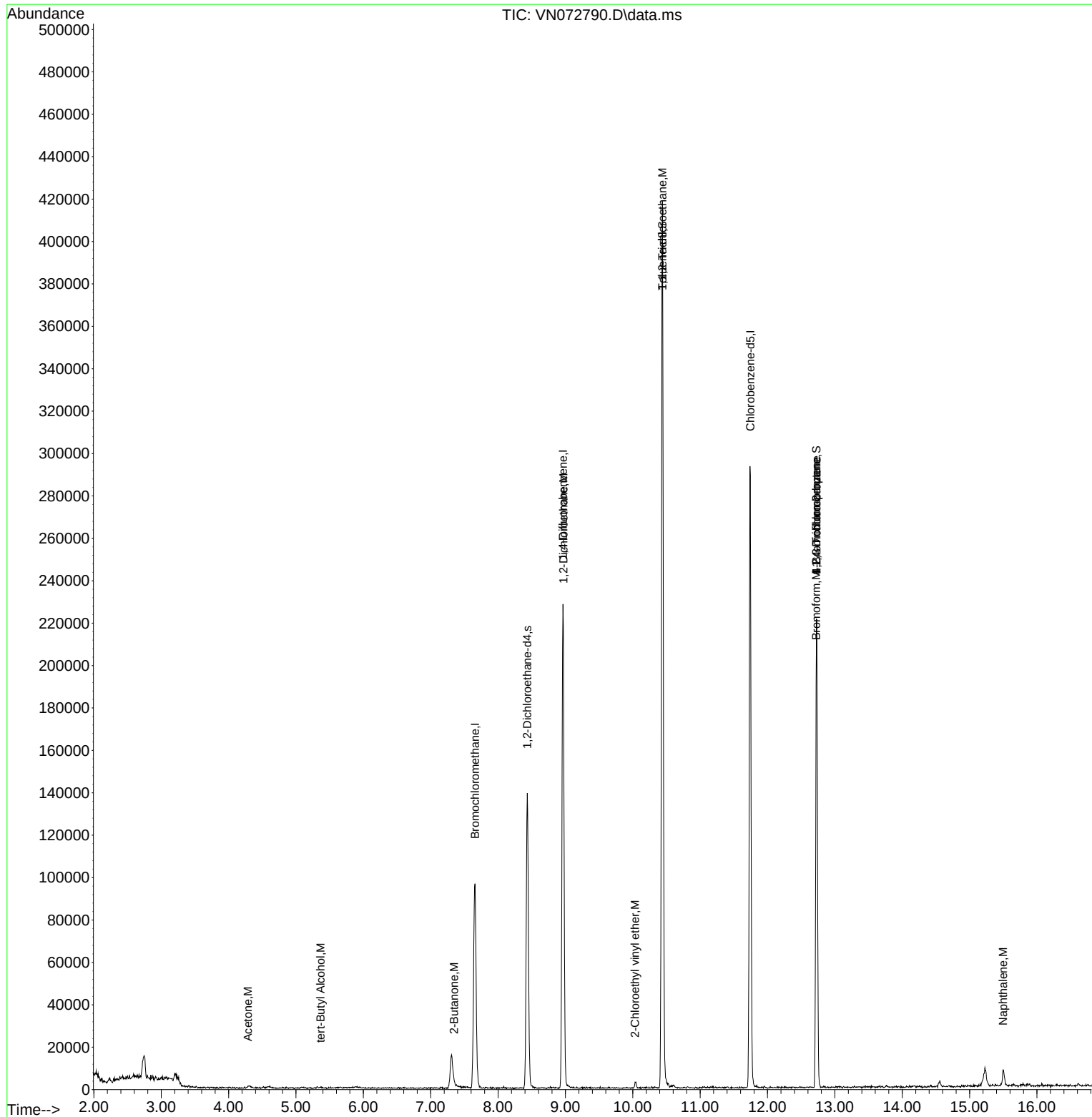
Internal Standards						
1) Bromochloromethane	7.657	128	31130	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	185980	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.745	117	153602	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.433	65	116278	32.752	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 109.167%	
60) 4-Bromofluorobenzene	12.727	95	78771	24.934	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 83.100%	
63) Toluene-d8	10.439	98	278739	32.759	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 109.200%	
Target Compounds						
					Qvalue	
15) Acetone	4.287	58	143	0.305	ug/l	# 1
23) tert-Butyl Alcohol	5.363	59	536	0.666	ug/l	# 100
30) 2-Butanone	7.345	43	831	0.324	ug/l	# 53
36) 1,2-Dichloroethane	8.969	62	7742	1.747	ug/l	# 77
50) 1,1,2-Trichloroethane	10.439	97	8660	3.097	ug/l	# 1
55) 2-Chloroethyl vinyl ether	10.033	63	1409	0.710	ug/l	# 91
56) Bromoform	12.721	173	668	0.311	ug/l	# 1
72) 1,2,3-Trichloropropane	12.727	75	45243	13.173	ug/l	# 1
77) t-1,4-Dichloro-2-butene	12.727	75	45243	31.254	ug/l	# 8
91) Naphthalene	15.498	128	7895	0.959	ug/l	# 94

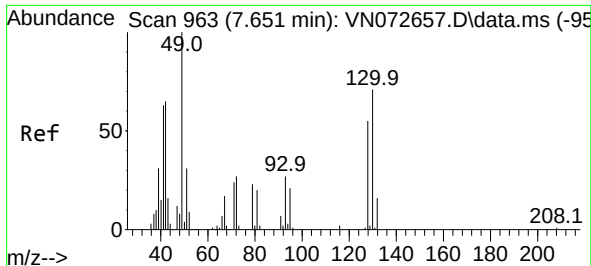
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 13 01:20:09 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N060622W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Jun 06 14:10:15 2022
Response via : Initial Calibration

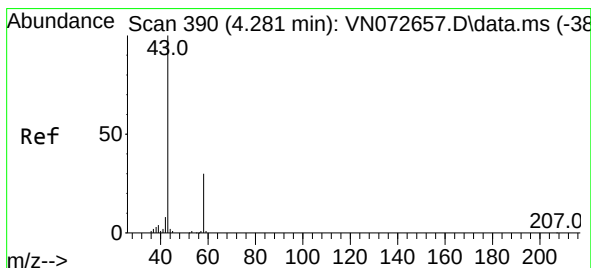
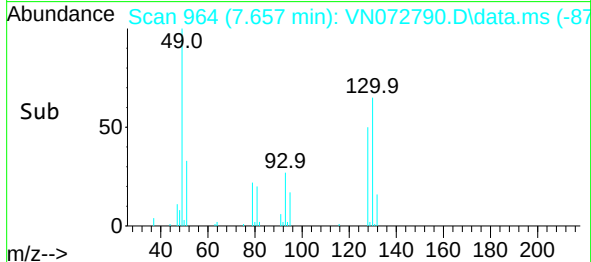
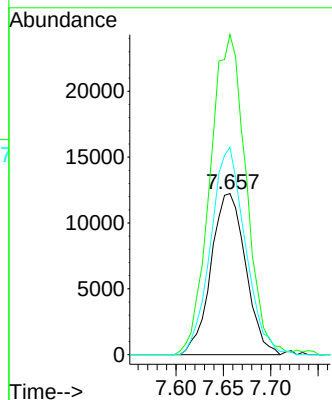
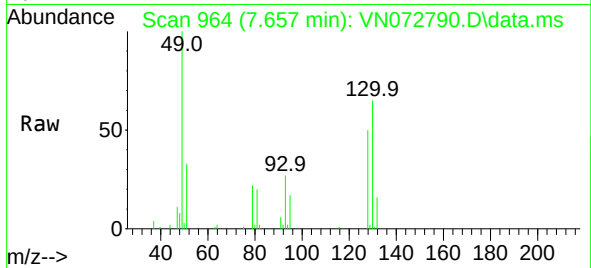




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.657 min Scan# 90
Delta R.T. 0.006 min
Lab File: VN072790.D
Acq: 11 Jun 2022 15:18

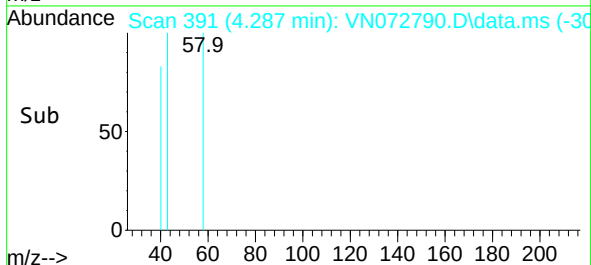
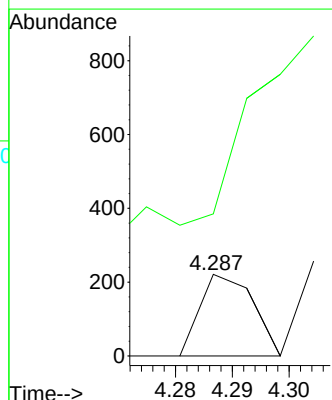
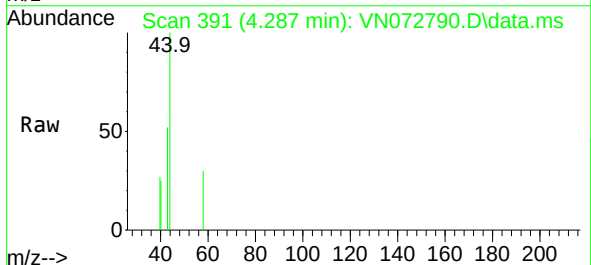
Instrument :
MSVOA_N
ClientSampleId :
IBLK

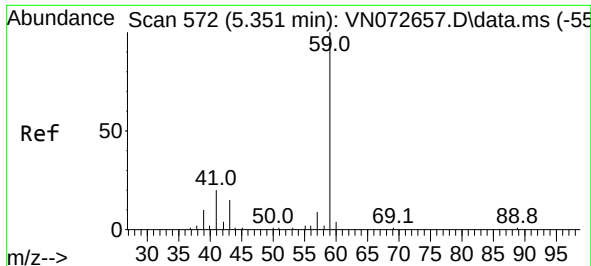
Tgt Ion:128 Resp: 31130
Ion Ratio Lower Upper
128 100
49 205.8 0.0 392.3
130 128.2 0.0 320.2



#15
Acetone
Concen: 0.305 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.006 min
Lab File: VN072790.D
Acq: 11 Jun 2022 15:18

Tgt Ion: 58 Resp: 143
Ion Ratio Lower Upper
58 100
43 0.0 256.6 384.8#

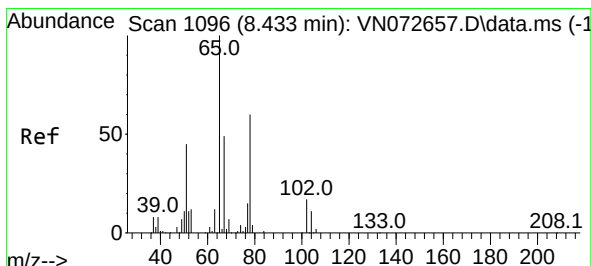
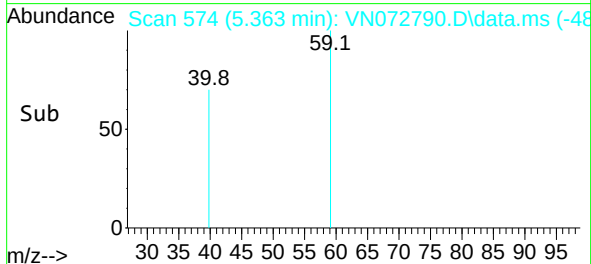
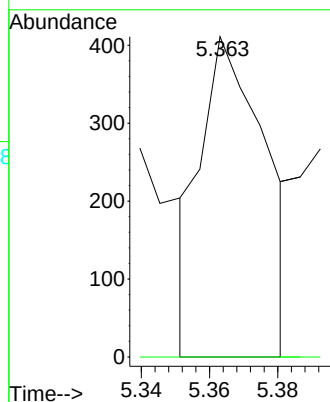
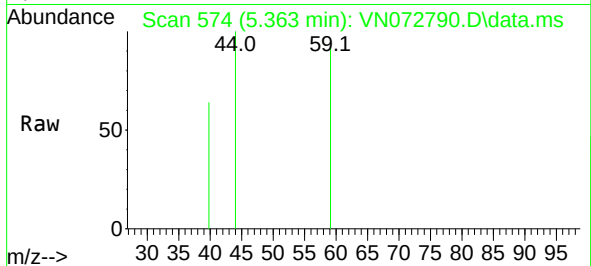




#23
 tert-Butyl Alcohol
 Concen: 0.666 ug/l
 RT: 5.363 min Scan# 51
 Delta R.T. 0.012 min
 Lab File: VN072790.D
 Acq: 11 Jun 2022 15:18

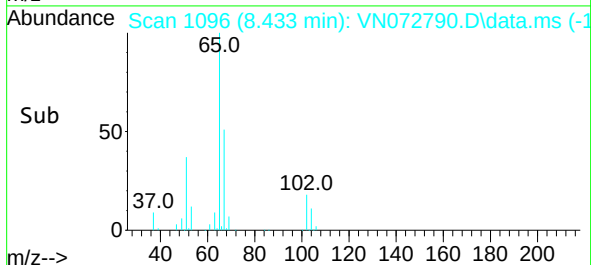
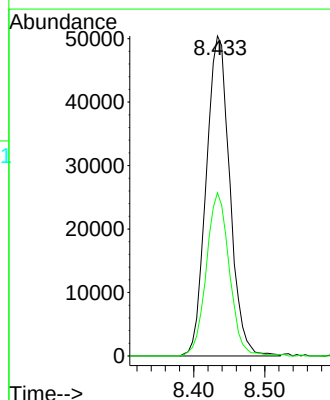
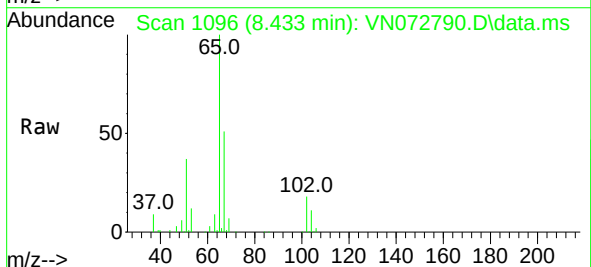
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

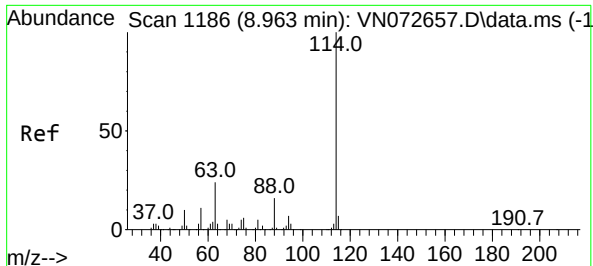
Tgt Ion: 59 Resp: 536
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0



#27
 1,2-Dichloroethane-d4
 Concen: 32.752 ug/l
 RT: 8.433 min Scan# 1096
 Delta R.T. 0.000 min
 Lab File: VN072790.D
 Acq: 11 Jun 2022 15:18

Tgt Ion: 65 Resp: 116278
 Ion Ratio Lower Upper
 65 100
 67 49.3 40.2 60.2





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. 0.000 min

Lab File: VN072790.D

Acq: 11 Jun 2022 15:18

Instrument :

MSVOA_N

ClientSampleId :

IBLK

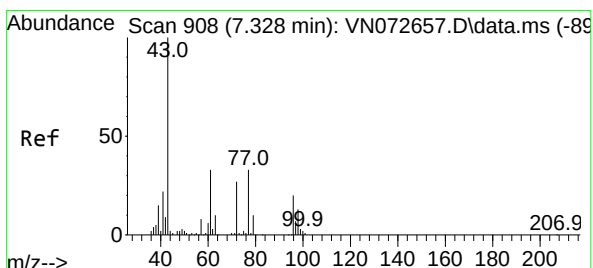
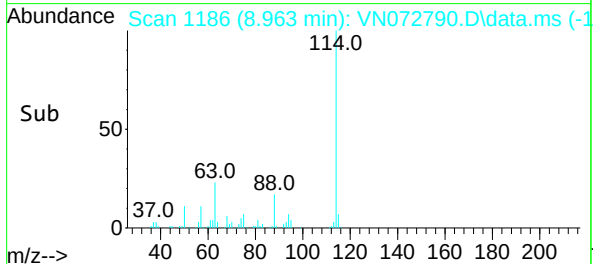
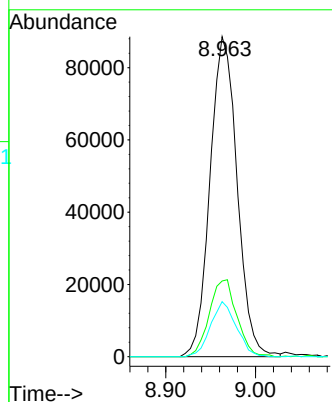
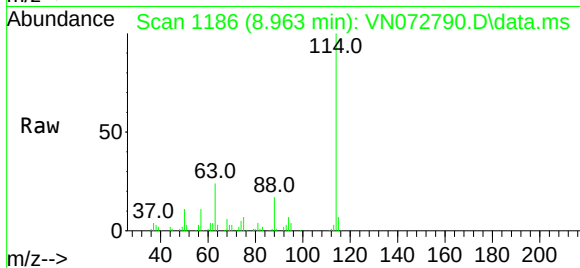
Tgt Ion:114 Resp: 185980

Ion Ratio Lower Upper

114 100

63 24.3 15.8 23.6#

88 16.4 11.6 17.4



#30

2-Butanone

Concen: 0.324 ug/l

RT: 7.345 min Scan# 911

Delta R.T. 0.018 min

Lab File: VN072790.D

Acq: 11 Jun 2022 15:18

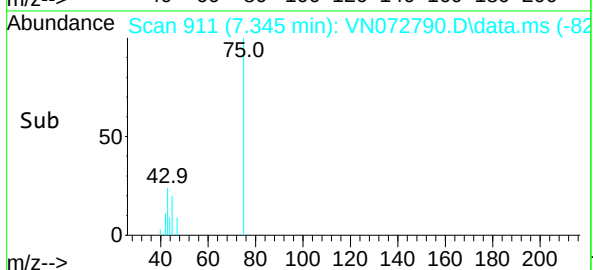
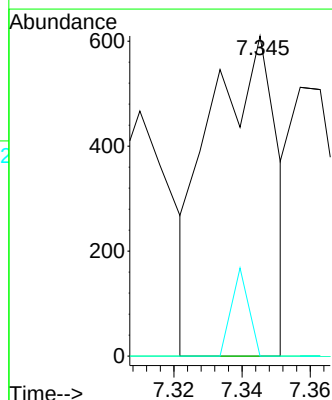
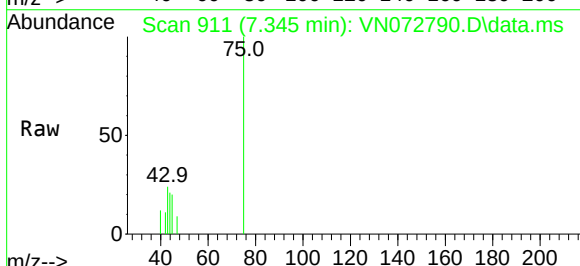
Tgt Ion: 43 Resp: 831

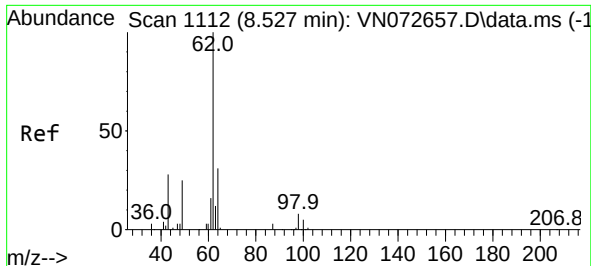
Ion Ratio Lower Upper

43 100

57 0.0 6.7 10.1#

72 0.0 23.2 34.8#





#36

1,2-Dichloroethane

Concen: 1.747 ug/l

RT: 8.969 min Scan# 1112

Delta R.T. 0.441 min

Lab File: VN072790.D

Acq: 11 Jun 2022 15:18

Instrument :

MSVOA_N

ClientSampleId :

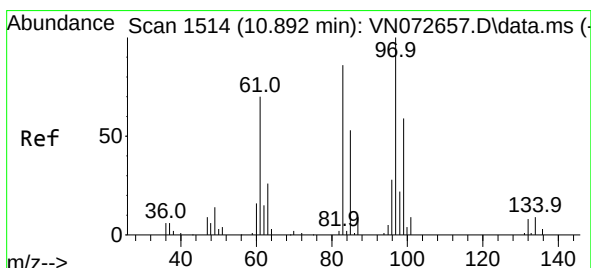
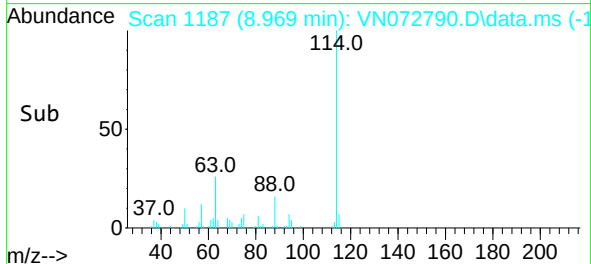
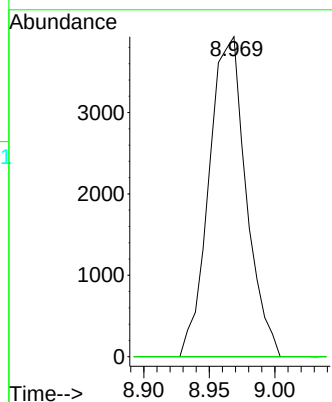
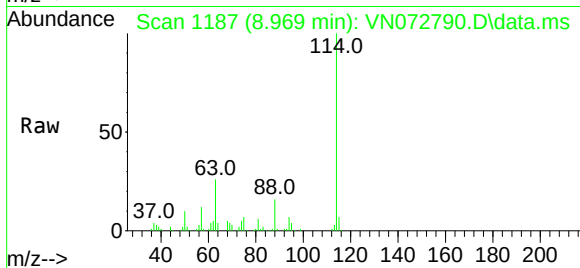
IBLK

Tgt Ion: 62 Resp: 7742

Ion Ratio Lower Upper

62 100

98 0.0 6.6 10.0#



#50

1,1,2-Trichloroethane

Concen: 3.097 ug/l

RT: 10.439 min Scan# 1437

Delta R.T. -0.453 min

Lab File: VN072790.D

Acq: 11 Jun 2022 15:18

Tgt Ion: 97 Resp: 8660

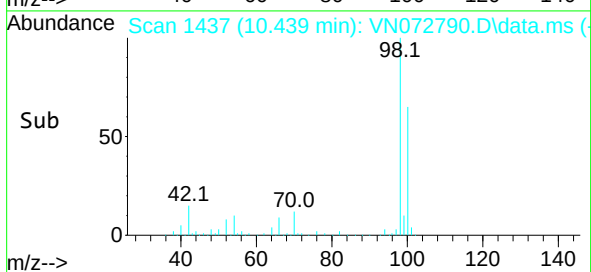
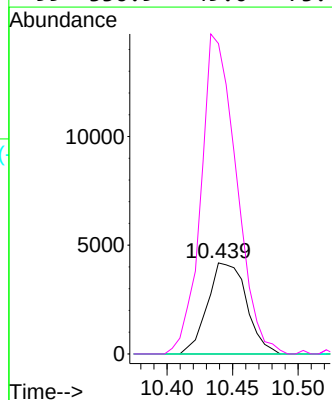
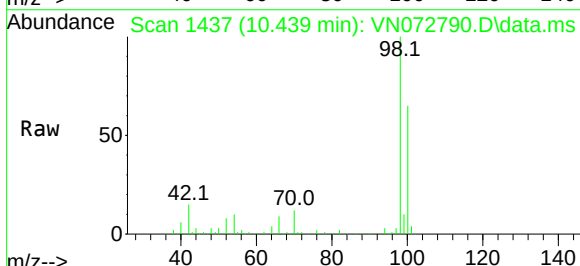
Ion Ratio Lower Upper

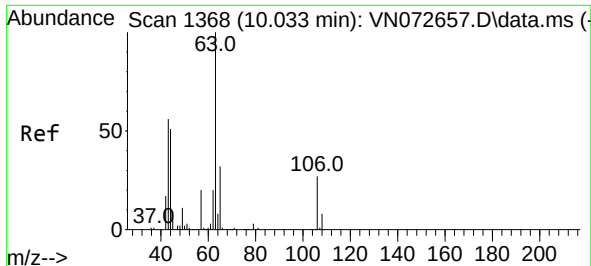
97 100

83 0.0 67.2 100.8#

85 0.0 43.0 64.4#

99 336.9 49.0 73.4#

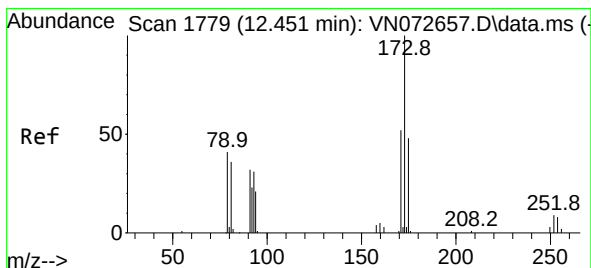
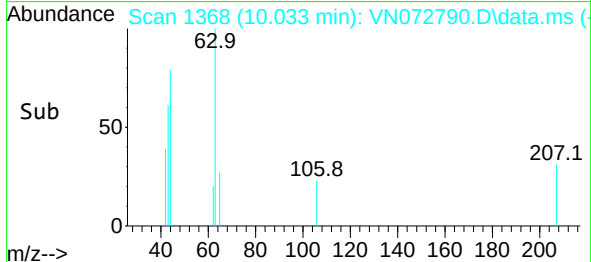
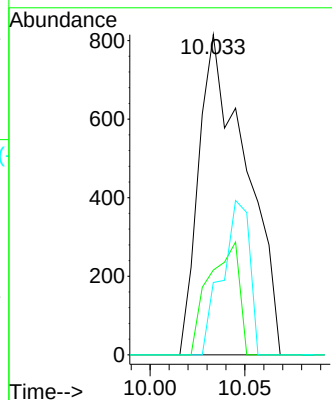
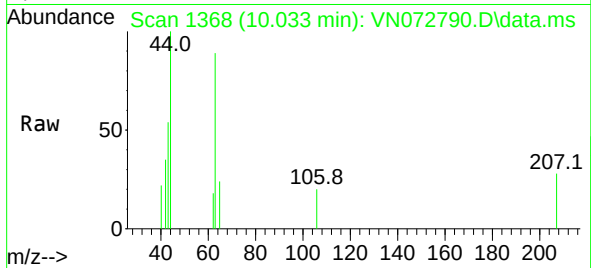




#55
2-Chloroethyl vinyl ether
Concen: 0.710 ug/l
RT: 10.033 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN072790.D
Acq: 11 Jun 2022 15:18

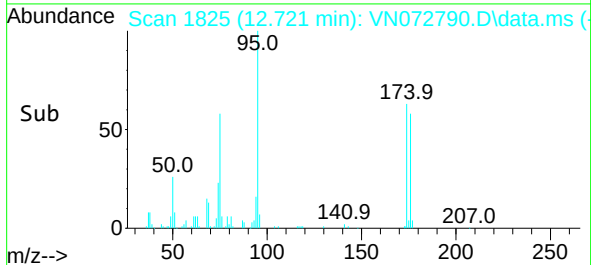
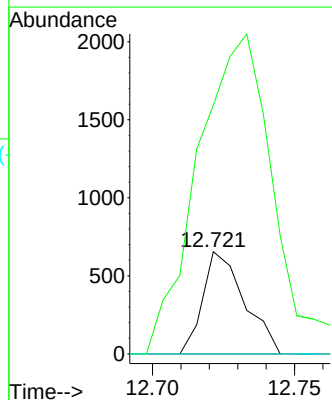
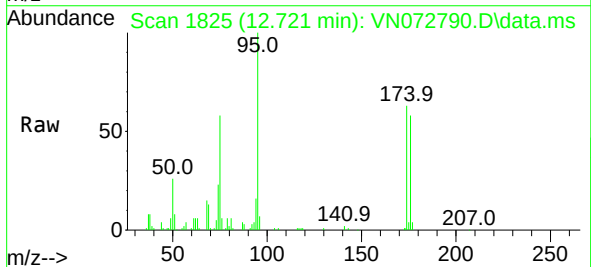
Instrument :
MSVOA_N
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IBLK

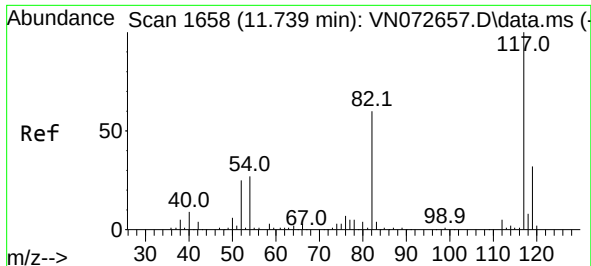
Tgt Ion: 63 Resp: 1409
Ion Ratio Lower Upper
63 100
65 22.8 25.4 38.0#
106 28.2 23.2 34.8



#56
Bromoform
Concen: 0.311 ug/l
RT: 12.721 min Scan# 1825
Delta R.T. 0.271 min
Lab File: VN072790.D
Acq: 11 Jun 2022 15:18

Tgt Ion: 173 Resp: 668
Ion Ratio Lower Upper
173 100
175 553.3 38.6 58.0#
254 0.0 0.0 0.0





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.745 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN072790.D

Acq: 11 Jun 2022 15:18

Instrument :

MSVOA_N

ClientSampleId :

IBLK

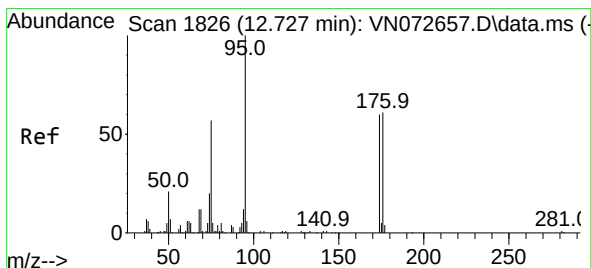
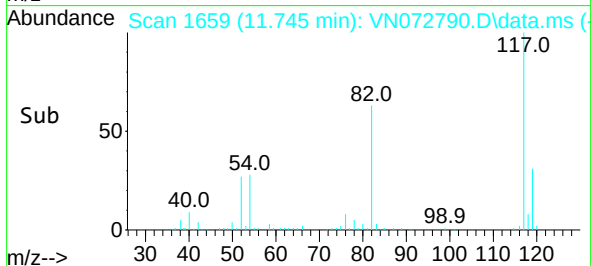
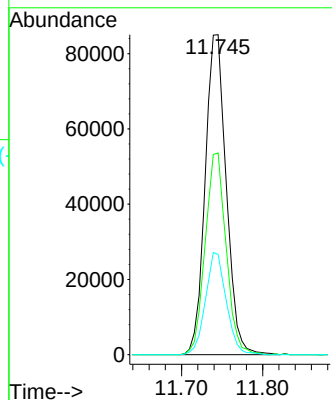
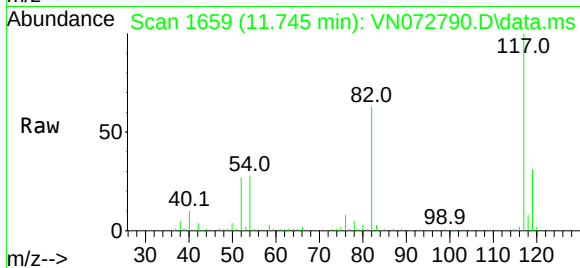
Tgt Ion:117 Resp: 153602

Ion Ratio Lower Upper

117 100

82 62.5 43.6 65.4

119 31.5 25.8 38.6



#60

4-Bromofluorobenzene

Concen: 24.934 ug/l

RT: 12.727 min Scan# 1826

Delta R.T. 0.000 min

Lab File: VN072790.D

Acq: 11 Jun 2022 15:18

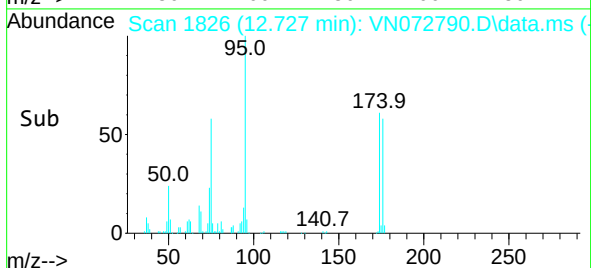
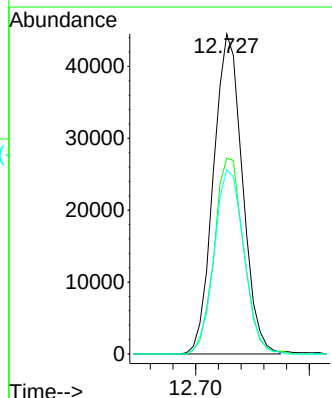
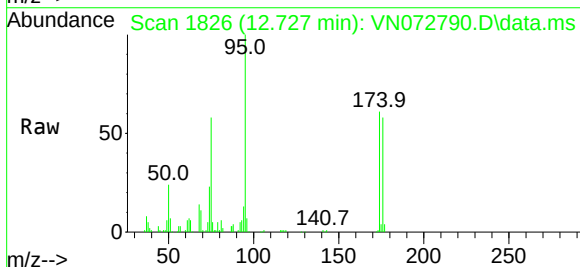
Tgt Ion: 95 Resp: 78771

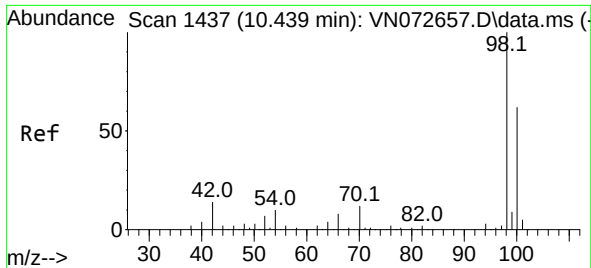
Ion Ratio Lower Upper

95 100

174 61.8 62.9 94.3#

176 59.2 61.0 91.4#

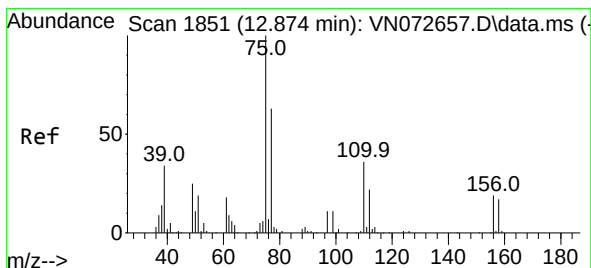
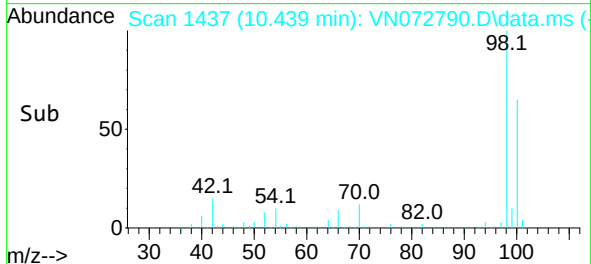
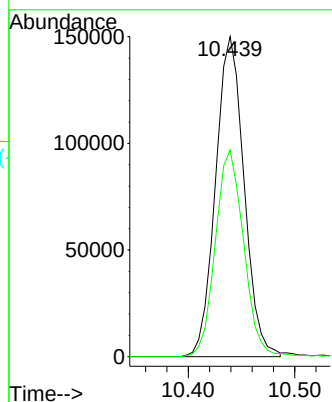
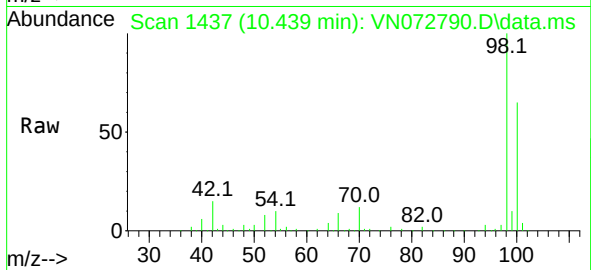




#63
Toluene-d8
Concen: 32.759 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072790.D
Acq: 11 Jun 2022 15:18

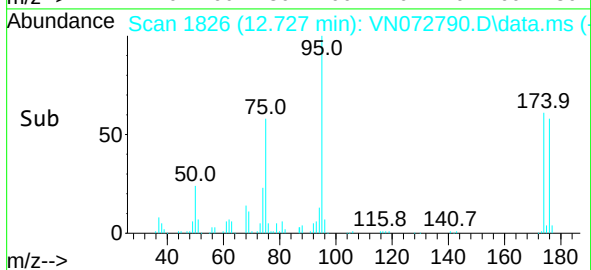
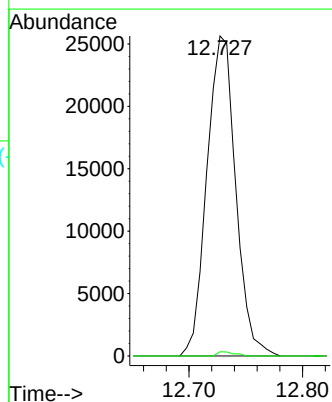
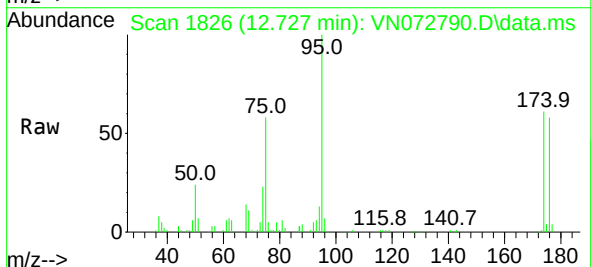
Instrument :
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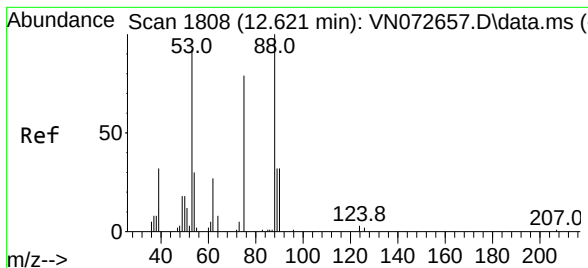
Tgt Ion: 98 Resp: 278739
Ion Ratio Lower Upper
98 100
100 64.0 50.6 76.0



#72
1,2,3-Trichloropropane
Concen: 13.173 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072790.D
Acq: 11 Jun 2022 15:18

Tgt Ion: 75 Resp: 45243
Ion Ratio Lower Upper
75 100
77 0.8 0.0 378.0

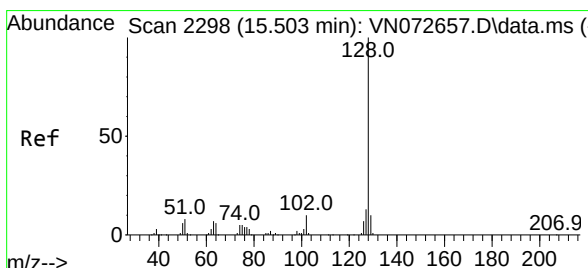
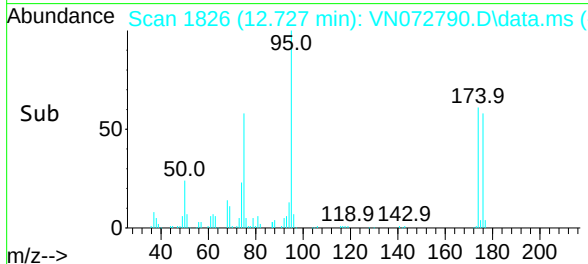
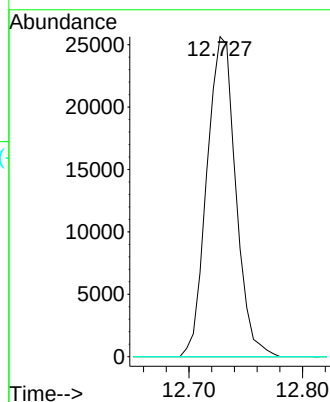
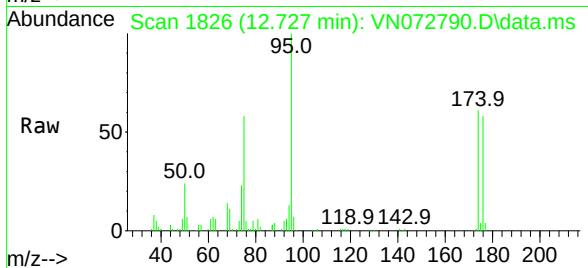




#77
t-1,4-Dichloro-2-butene
Concen: 31.254 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN072790.D
Acq: 11 Jun 2022 15:18

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 75 Resp: 45243
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.5#
89 0.0 22.9 68.7#



#91
Naphthalene
Concen: 0.959 ug/l
RT: 15.498 min Scan# 2297
Delta R.T. -0.006 min
Lab File: VN072790.D
Acq: 11 Jun 2022 15:18

Tgt Ion: 128 Resp: 7895
Ion Ratio Lower Upper
128 100
127 12.8 10.7 16.1
129 7.2 9.0 13.6#

