

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071421\
 Data File : VN067750.D
 Acq On : 14 Jul 2021 17:57
 Operator : JC/MD
 Sample : M3039-22 5X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EX-05

Quant Time: Jul 15 06:29:37 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N071421W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 14 01:19:19 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.659	128	61016	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	349651	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.746	117	310154	30.000	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	162026	32.869	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	109.567%
60) 4-Bromofluorobenzene	12.733	95	126723	25.158	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	83.867%
63) Toluene-d8	10.443	98	430854	30.203	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.667%

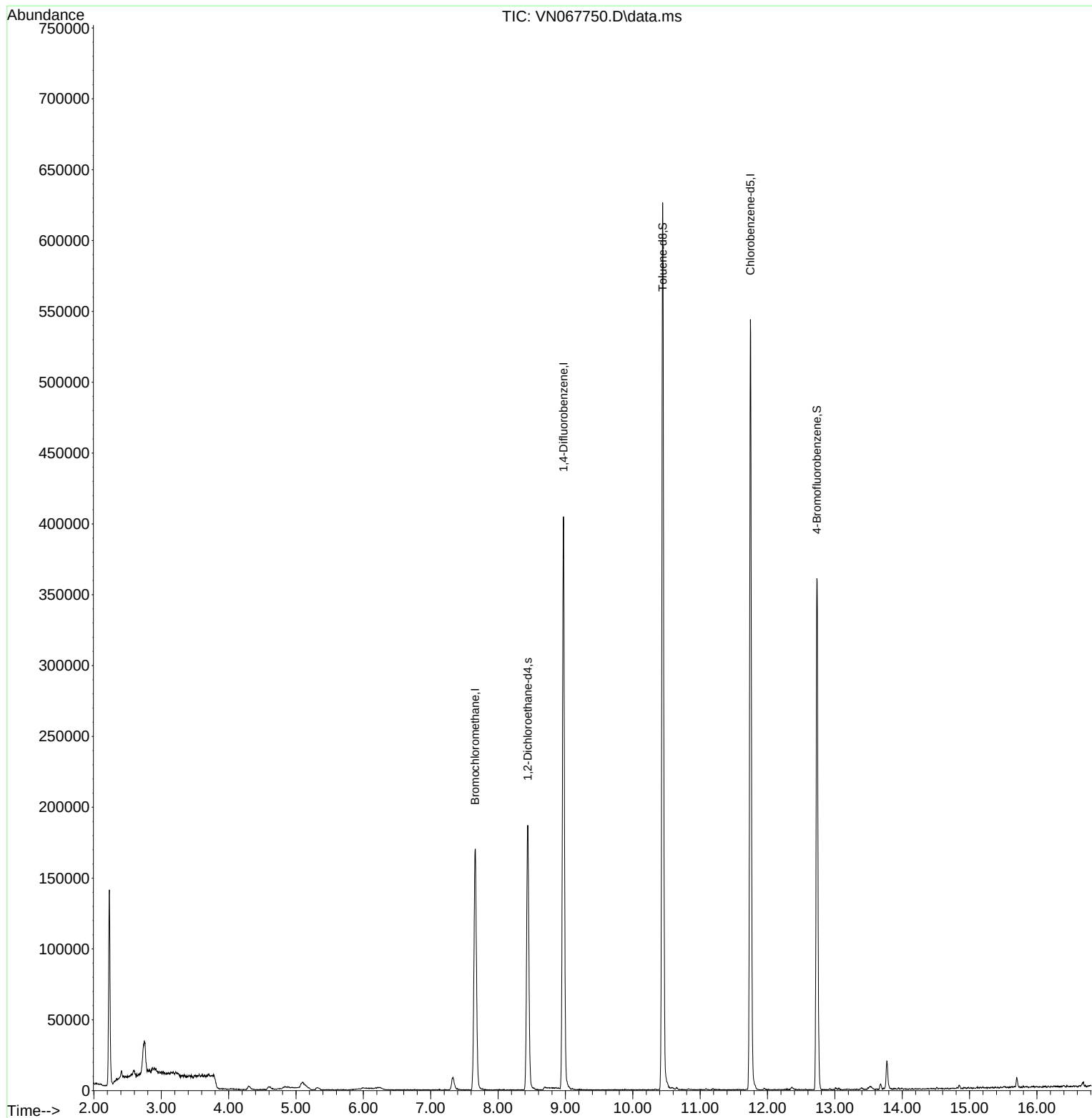
Target Compounds	Qvalue

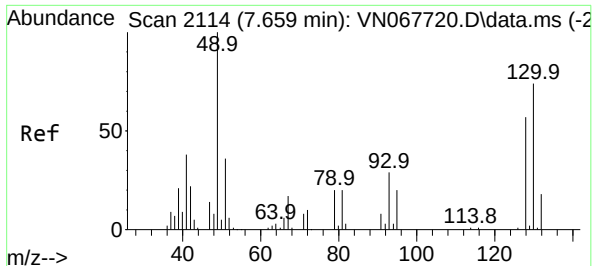
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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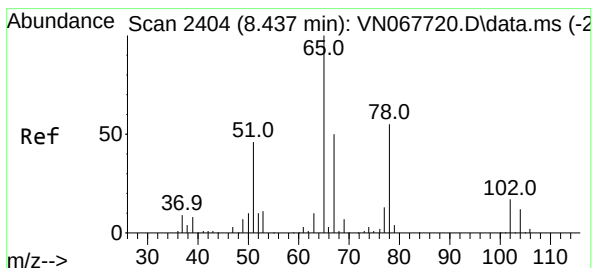
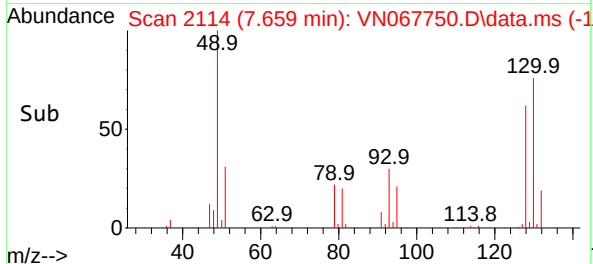
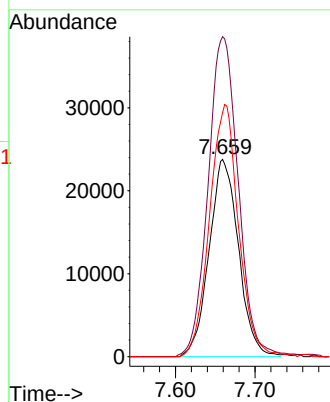
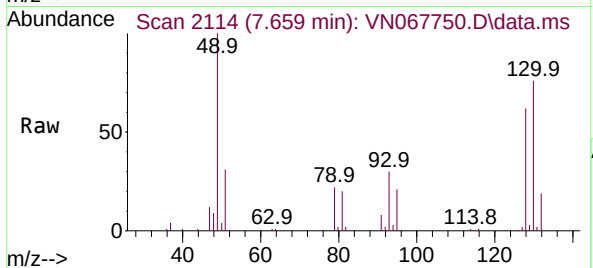




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.659 min Scan# 2114
Delta R.T. 0.000 min
Lab File: VN067750.D
Acq: 14 Jul 2021 17:57

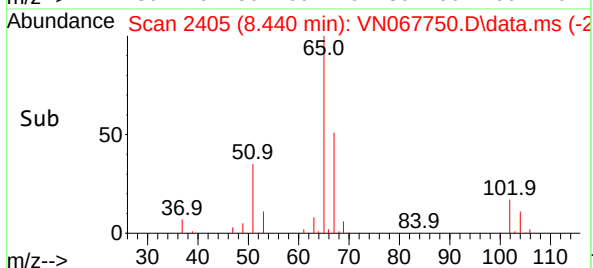
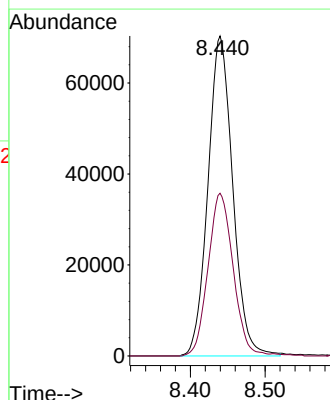
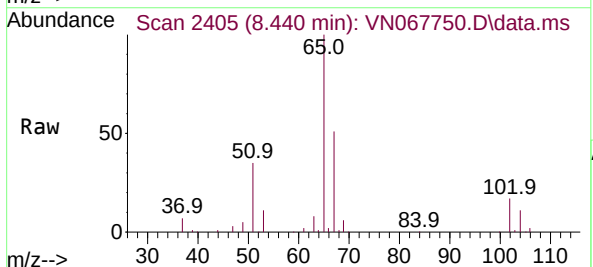
Instrument :
MSVOA_N
ClientSampled :
EX-05

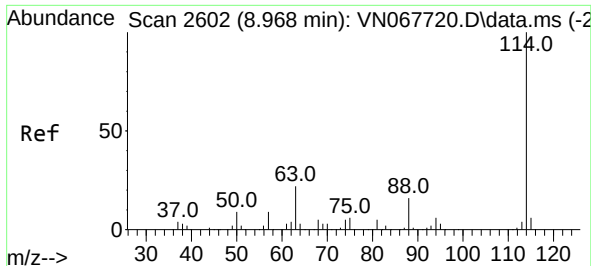
Tgt Ion:128 Resp: 61016
Ion Ratio Lower Upper
128 100
49 166.1 0.0 433.0
130 125.5 0.0 323.8



#27
1,2-Dichloroethane-d4
Concen: 32.869 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN067750.D
Acq: 14 Jul 2021 17:57

Tgt Ion: 65 Resp: 162026
Ion Ratio Lower Upper
65 100
67 51.3 40.6 60.8





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.971 min Scan# 2603

Delta R.T. 0.003 min

Lab File: VN067750.D

Acq: 14 Jul 2021 17:57

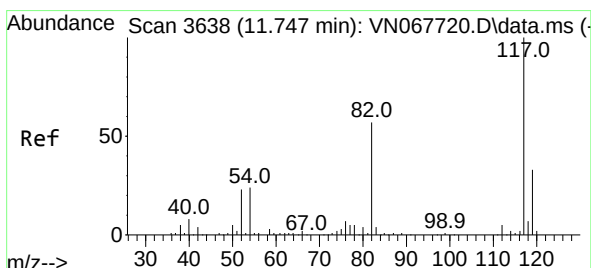
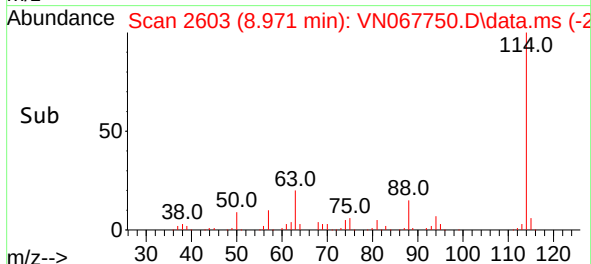
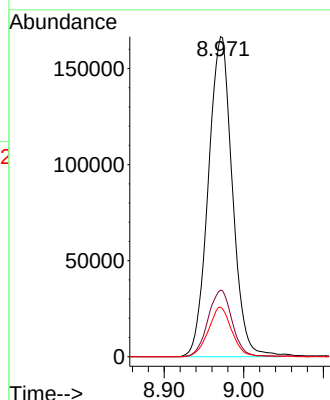
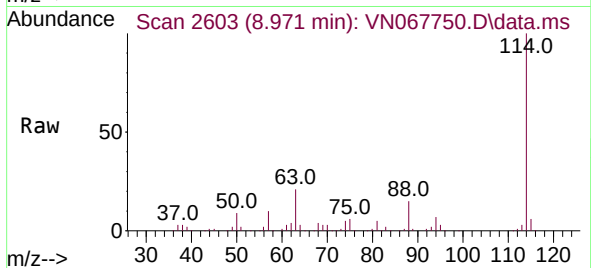
Tgt Ion:114 Resp: 349651

Ion Ratio Lower Upper

114 100

63 20.9 17.2 25.8

88 15.0 12.4 18.6



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.746 min Scan# 3638

Delta R.T. -0.000 min

Lab File: VN067750.D

Acq: 14 Jul 2021 17:57

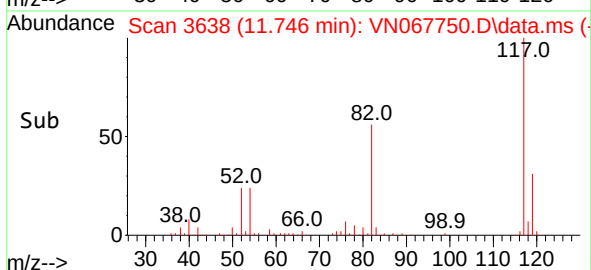
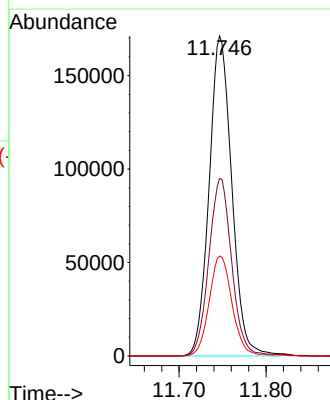
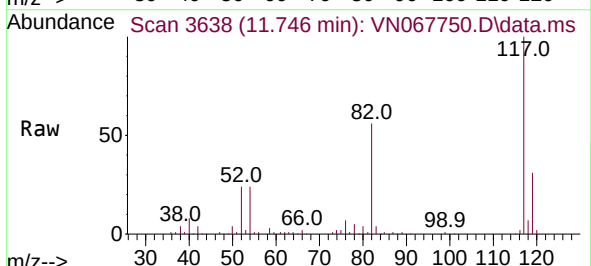
Tgt Ion:117 Resp: 310154

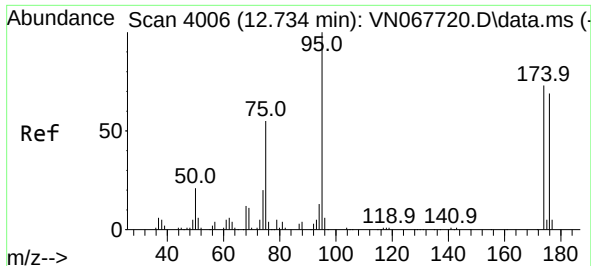
Ion Ratio Lower Upper

117 100

82 55.7 45.4 68.0

119 31.3 25.7 38.5

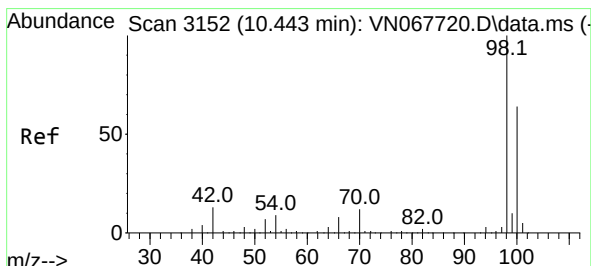
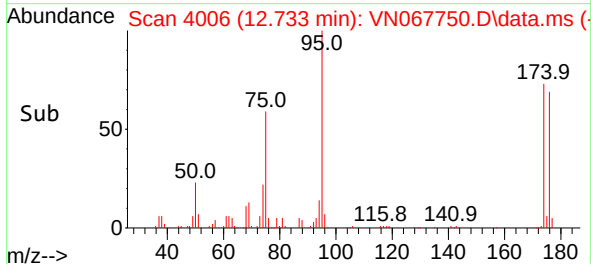
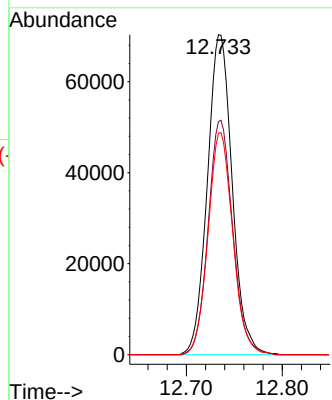
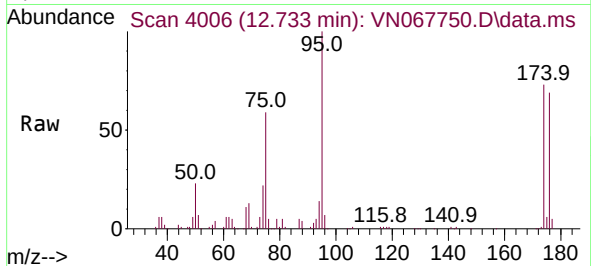




#60
4-Bromofluorobenzene
Concen: 25.158 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN067750.D
Acq: 14 Jul 2021 17:57

Instrument :
MSVOA_N
ClientSampled :
EX-05

Tgt Ion: 95 Resp: 126723
Ion Ratio Lower Upper
95 100
174 72.5 57.1 85.7
176 69.1 54.6 81.8



#63
Toluene-d8
Concen: 30.203 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN067750.D
Acq: 14 Jul 2021 17:57

Tgt Ion: 98 Resp: 430854
Ion Ratio Lower Upper
98 100
100 64.4 51.0 76.4

