

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051424\
 Data File : VN082117.D
 Acq On : 14 May 2024 15:48
 Operator : JC\MD
 Sample : VN0514WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0514WBL01

Quant Time: May 15 02:48:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue May 14 11:29:16 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.818	128	63918	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	338478	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	298123	30.000	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	169516	31.676	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	105.600%
60) 4-Bromofluorobenzene	12.847	95	121921	24.574	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	81.900%
63) Toluene-d8	10.565	98	417843	29.513	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.367%

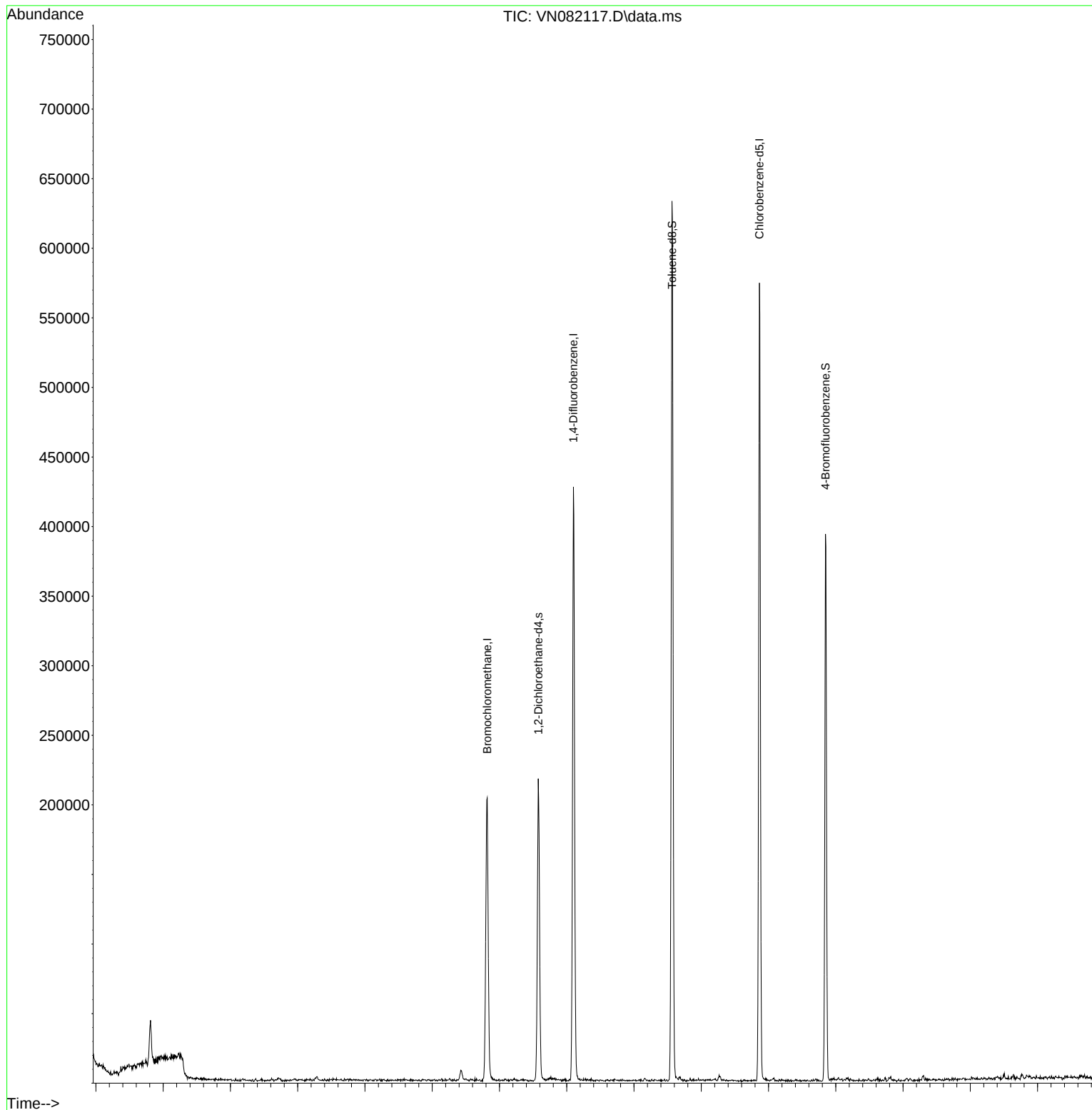
Target Compounds	Qvalue

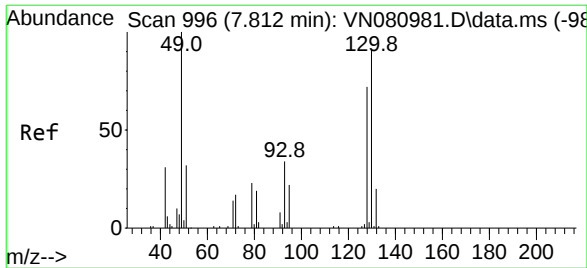
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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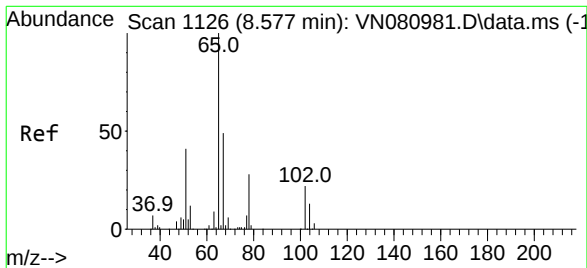
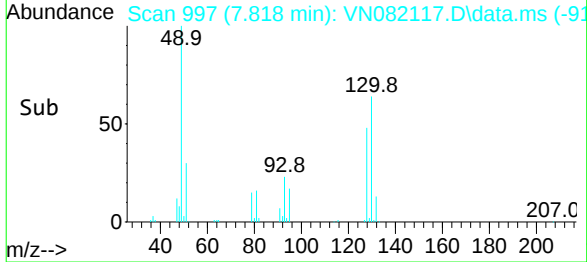
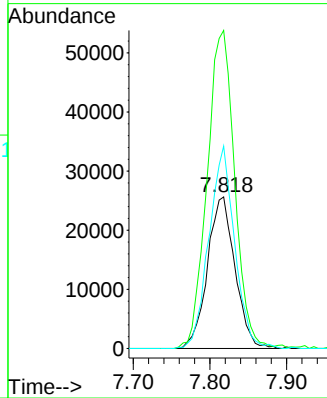
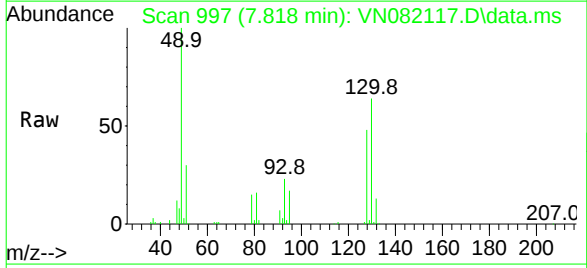




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN082117.D
Acq: 14 May 2024 15:48

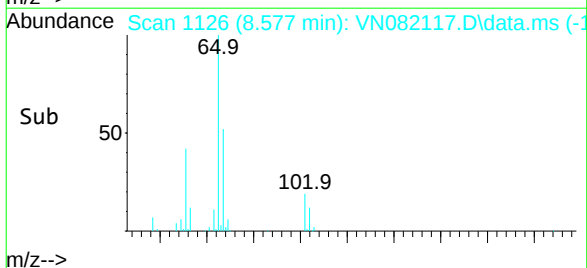
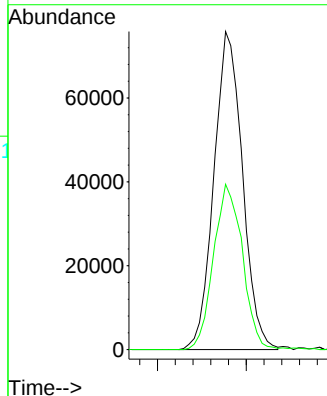
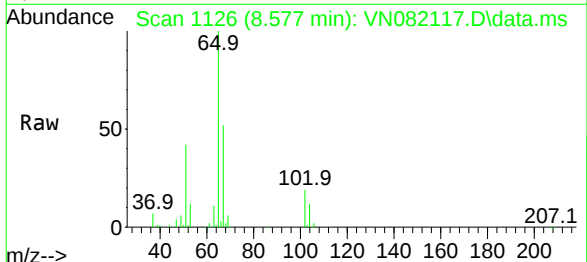
Instrument :
MSVOA_N
ClientSampleId :
VN0514WBL01

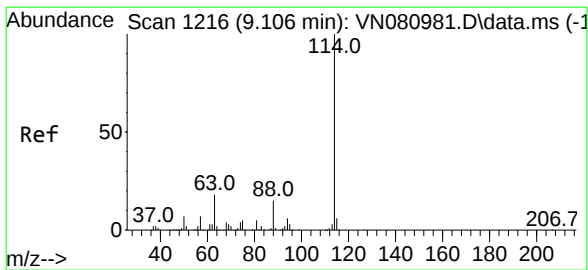
Tgt Ion:128 Resp: 63918
Ion Ratio Lower Upper
128 100
49 209.7 0.0 403.7
130 123.8 0.0 323.3



#27
1,2-Dichloroethane-d4
Concen: 31.676 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN082117.D
Acq: 14 May 2024 15:48

Tgt Ion: 65 Resp: 169516
Ion Ratio Lower Upper
65 100
67 52.5 43.2 64.8





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.100 min Scan# 1216

Delta R.T. -0.006 min

Lab File: VN082117.D

Acq: 14 May 2024 15:48

Instrument :

MSVOA_N

ClientSampleId :

VN0514WBL01

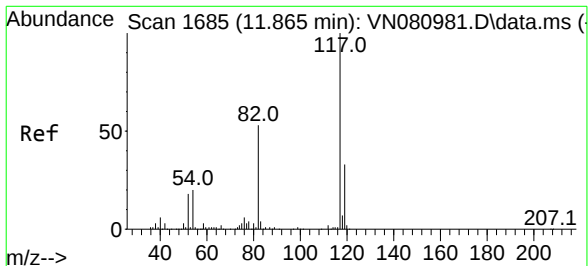
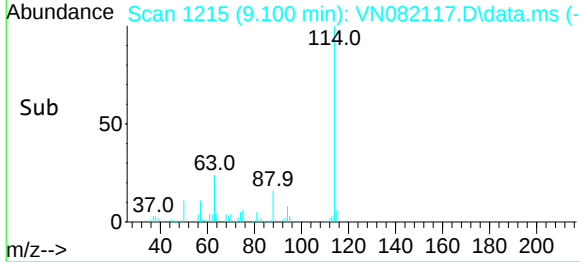
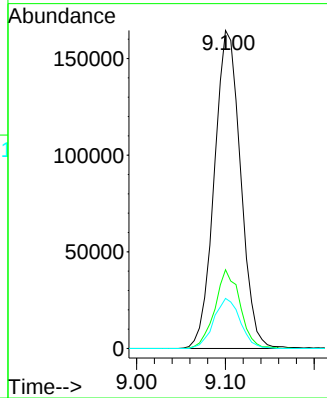
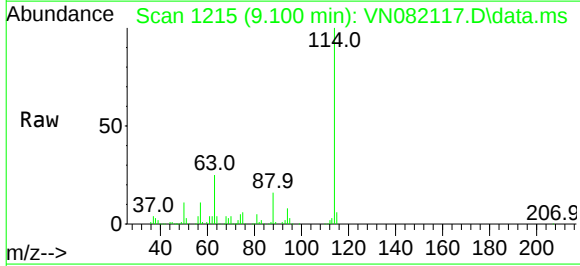
Tgt Ion:114 Resp: 338478

Ion Ratio Lower Upper

114 100

63 23.7 15.9 23.9

88 15.9 12.7 19.1



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VN082117.D

Acq: 14 May 2024 15:48

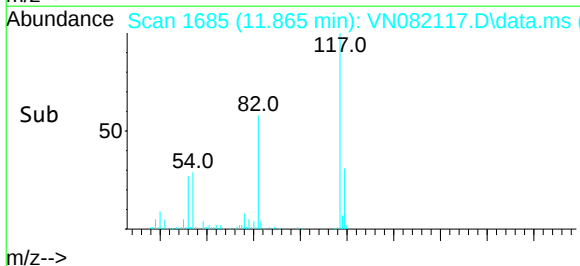
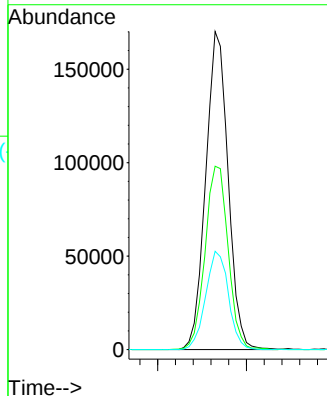
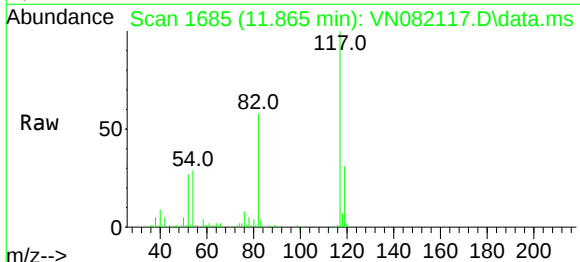
Tgt Ion:117 Resp: 298123

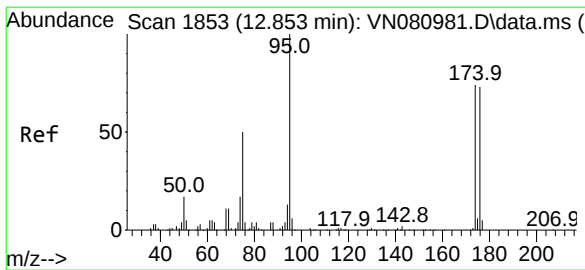
Ion Ratio Lower Upper

117 100

82 59.2 46.6 69.8

119 31.4 25.4 38.2

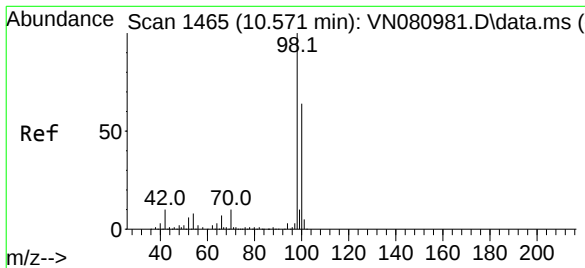
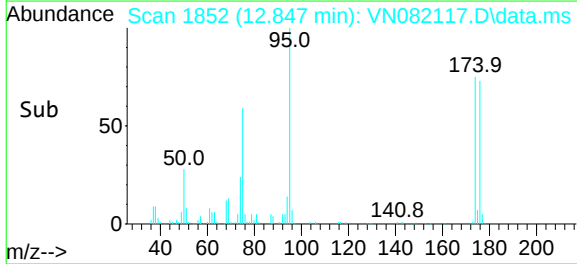
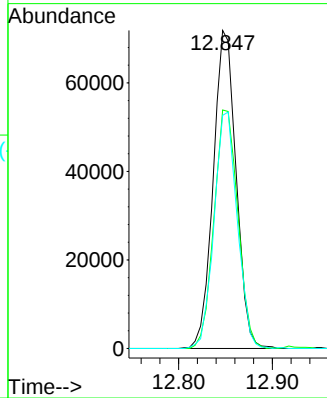
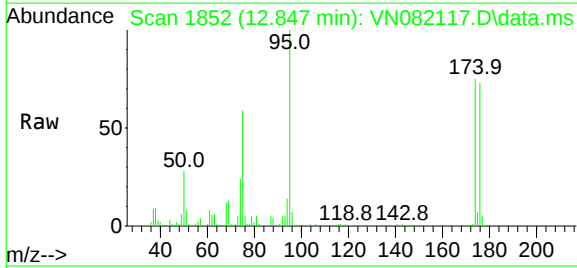




#60
4-Bromofluorobenzene
Concen: 24.574 ug/l
RT: 12.847 min Scan# 18
Delta R.T. -0.006 min
Lab File: VN082117.D
Acq: 14 May 2024 15:48

Instrument :
MSVOA_N
ClientSampleId :
VN0514WBL01

Tgt Ion:	95	Resp:	121921
Ion	Ratio	Lower	Upper
95	100		
174	78.1	60.5	90.7
176	75.1	57.8	86.6



#63
Toluene-d8
Concen: 29.513 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN082117.D
Acq: 14 May 2024 15:48

Tgt Ion:	98	Resp:	417843
Ion	Ratio	Lower	Upper
98	100		
100	63.9	52.7	79.1

