

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042823\
 Data File : VN077509.D
 Acq On : 28 Apr 2023 19:06
 Operator : JC\MD
 Sample : 02469-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TWP-24

Quant Time: Apr 28 19:23:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 28 16:20:59 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.819	128	61284	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	437241	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.872	117	437233	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.584	65	165216	30.240	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.800%
60) 4-Bromofluorobenzene	12.854	95	200249	26.142	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	87.133%
63) Toluene-d8	10.572	98	472530	30.670	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.233%

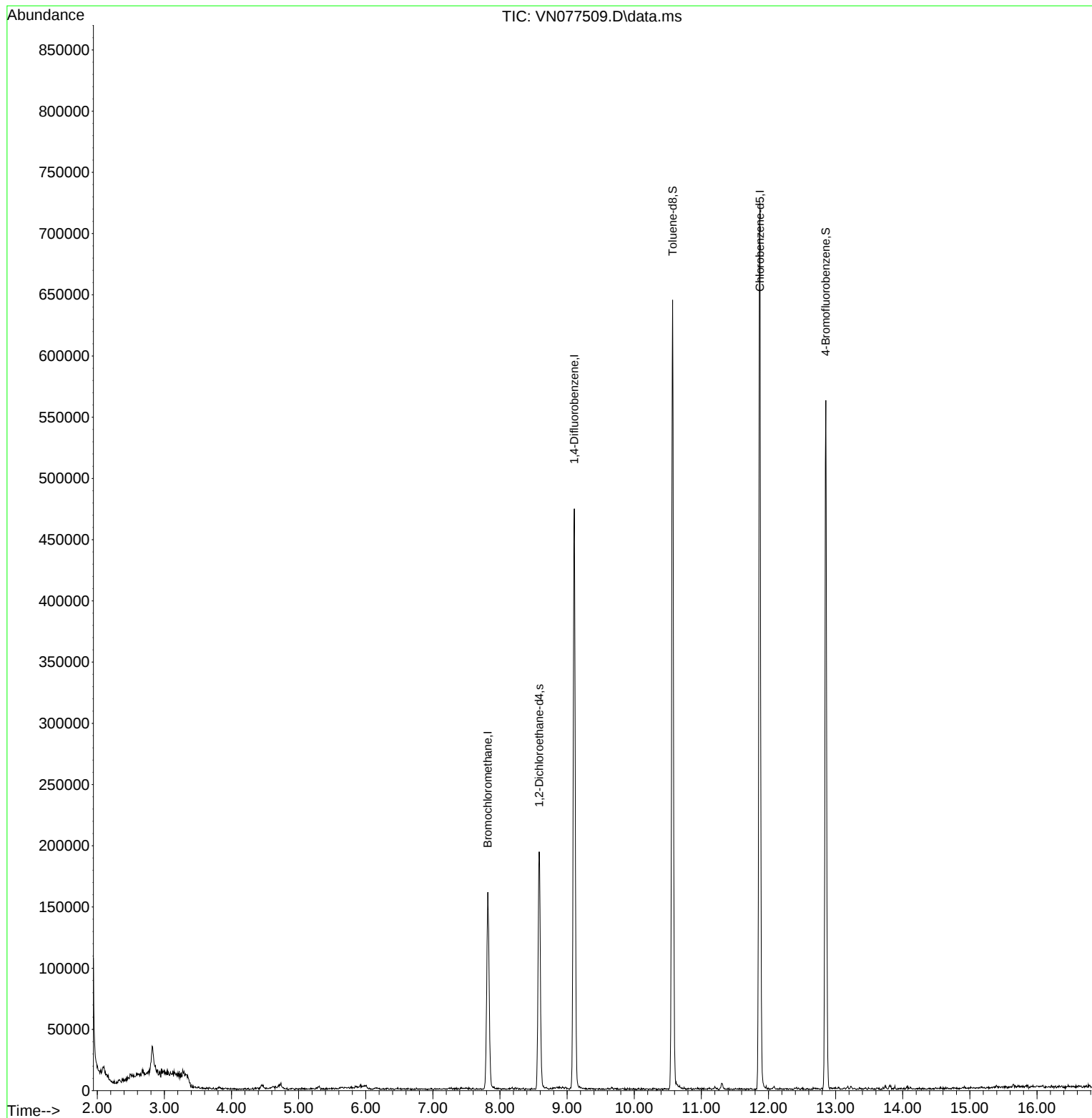
Target Compounds	Qvalue

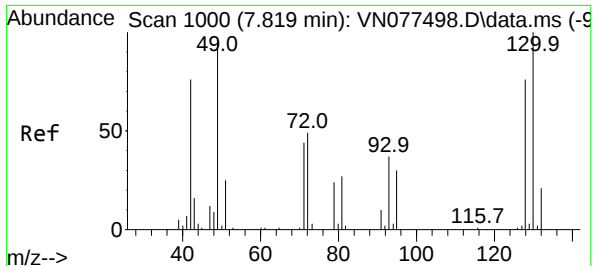
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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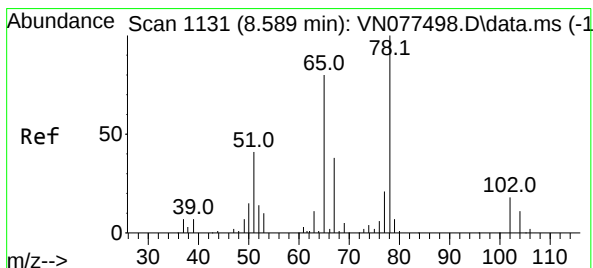
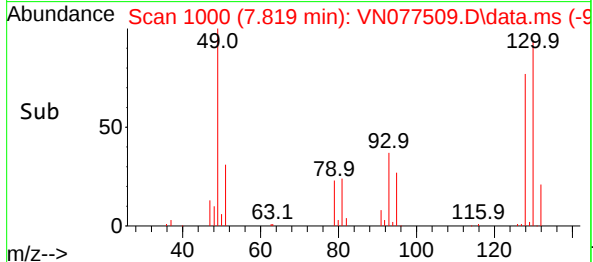
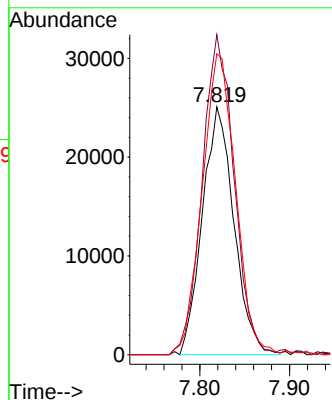
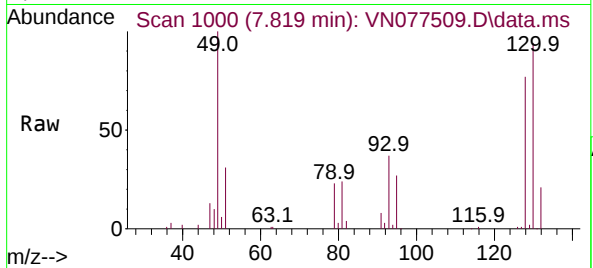




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.819 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN077509.D
Acq: 28 Apr 2023 19:06

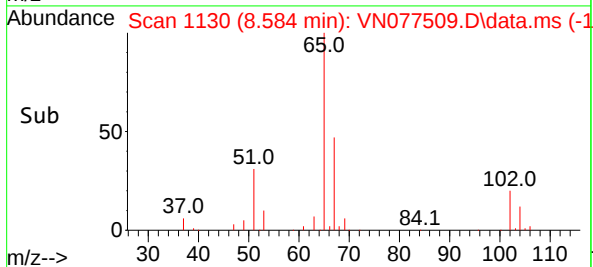
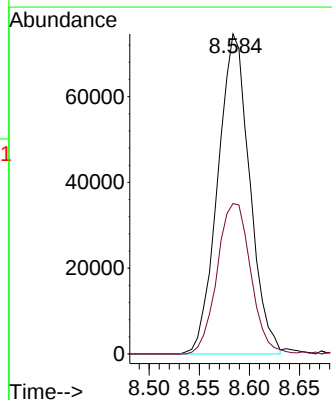
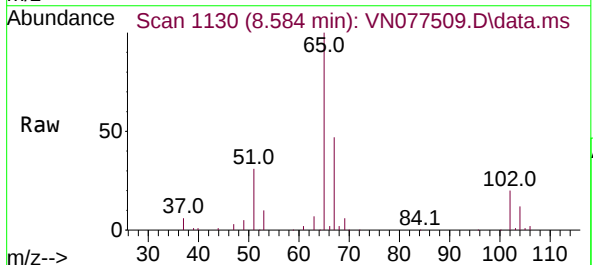
Instrument :
MSVOA_N
ClientSampleId :
TWP-24

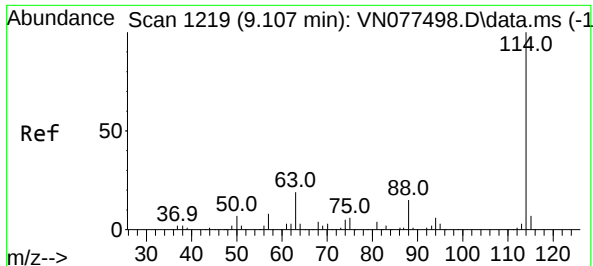
Tgt Ion:128 Resp: 61284
Ion Ratio Lower Upper
128 100
49 130.4 0.0 338.5
130 128.4 0.0 326.3



#27
1,2-Dichloroethane-d4
Concen: 30.240 ug/l
RT: 8.584 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN077509.D
Acq: 28 Apr 2023 19:06

Tgt Ion: 65 Resp: 165216
Ion Ratio Lower Upper
65 100
67 49.4 40.2 60.2





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.107 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN077509.D

Acq: 28 Apr 2023 19:06

Instrument :

MSVOA_N

ClientSampleId :

TWP-24

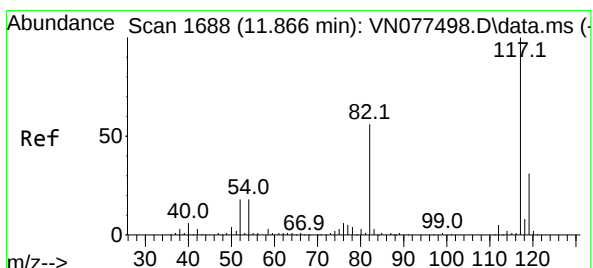
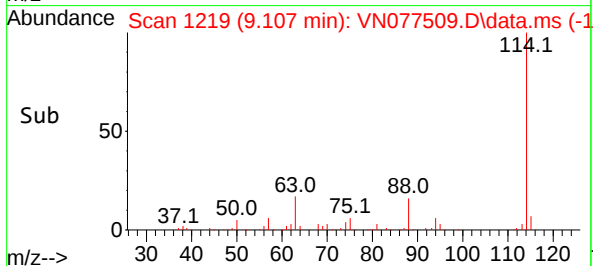
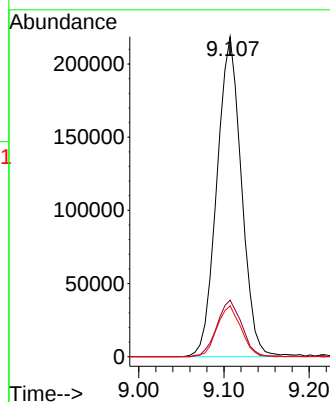
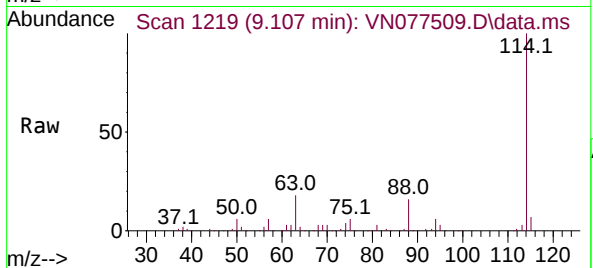
Tgt Ion:114 Resp: 437241

Ion Ratio Lower Upper

114 100

63 17.9 14.1 21.1

88 15.5 12.3 18.5



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.872 min Scan# 1689

Delta R.T. 0.006 min

Lab File: VN077509.D

Acq: 28 Apr 2023 19:06

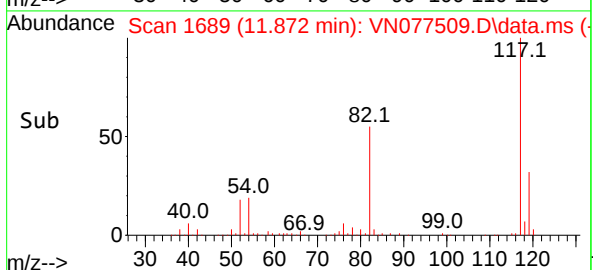
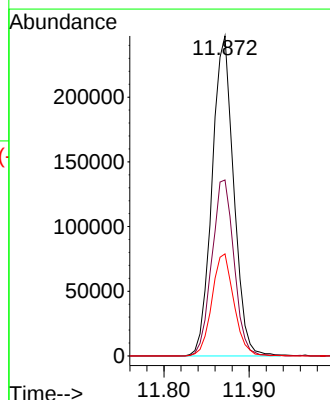
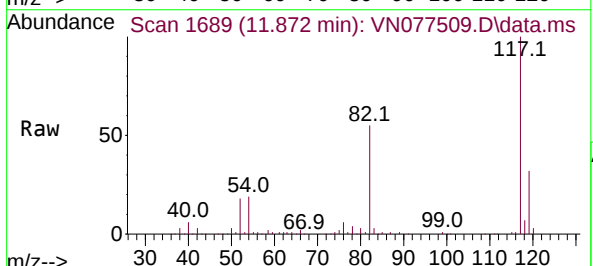
Tgt Ion:117 Resp: 437233

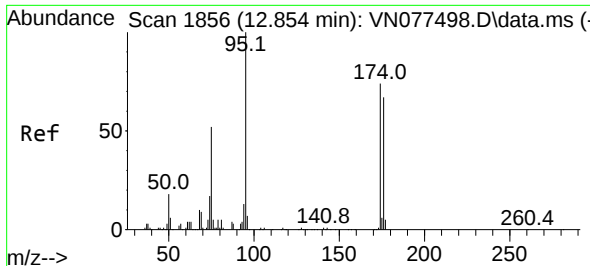
Ion Ratio Lower Upper

117 100

82 56.5 44.2 66.2

119 32.5 25.4 38.2

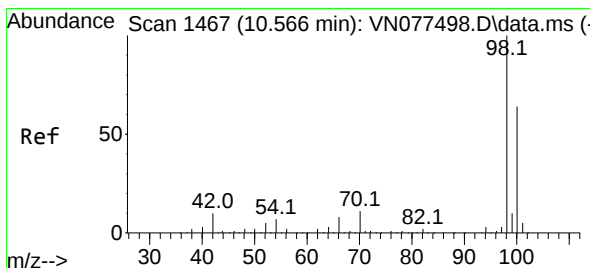
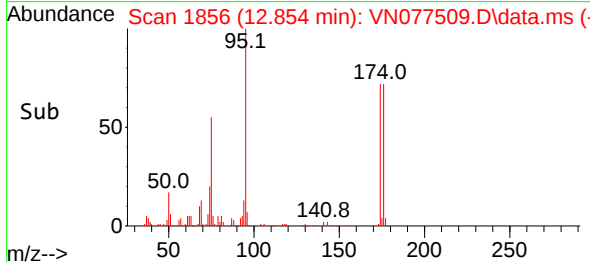
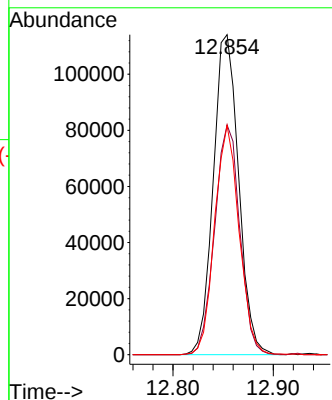
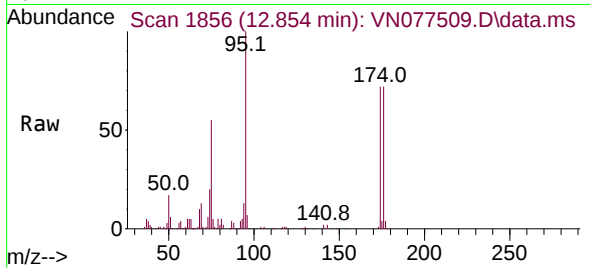




#60
4-Bromofluorobenzene
Concen: 26.142 ug/l
RT: 12.854 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077509.D
Acq: 28 Apr 2023 19:06

Instrument :
MSVOA_N
ClientSampleId :
TWP-24

Tgt Ion: 95 Resp: 200249
Ion Ratio Lower Upper
95 100
174 71.1 55.9 83.9
176 69.2 53.9 80.9



#63
Toluene-d8
Concen: 30.670 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.006 min
Lab File: VN077509.D
Acq: 28 Apr 2023 19:06

Tgt Ion: 98 Resp: 472530
Ion Ratio Lower Upper
98 100
100 64.2 51.0 76.4

