

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021723\
 Data File : VN076732.D
 Acq On : 17 Feb 2023 14:05
 Operator : JC\MD
 Sample : VN0217WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0217WBL01

Quant Time: Feb 18 02:07:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N021523W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Feb 16 01:08:46 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.831	128	27415	30.000	ug/l	0.01
28) 1,4-Difluorobenzene	9.107	114	189425	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	188611	30.000	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.589	65	80314	32.031	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	106.767%
60) 4-Bromofluorobenzene	12.854	95	84727	25.397	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	84.667%
63) Toluene-d8	10.572	98	205136	31.051	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	103.500%

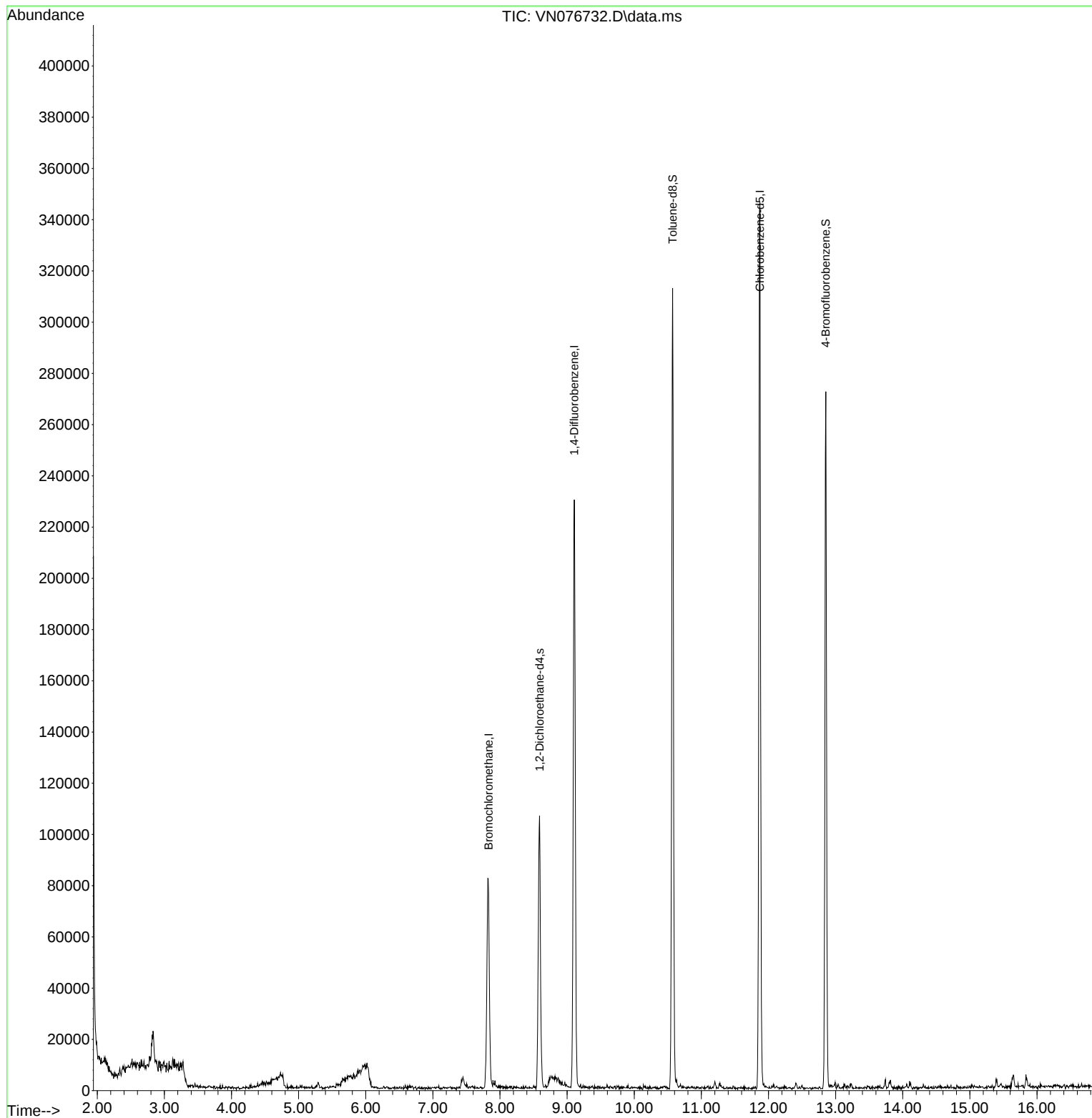
Target Compounds	Qvalue

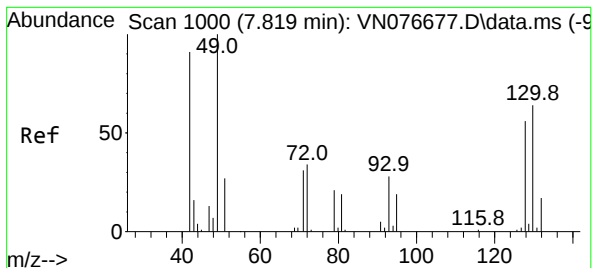
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.831 min Scan# 1000

Delta R.T. 0.012 min

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MSVOA_N

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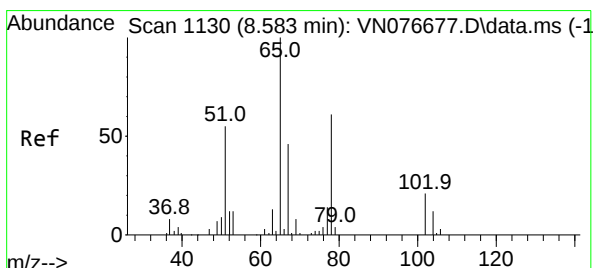
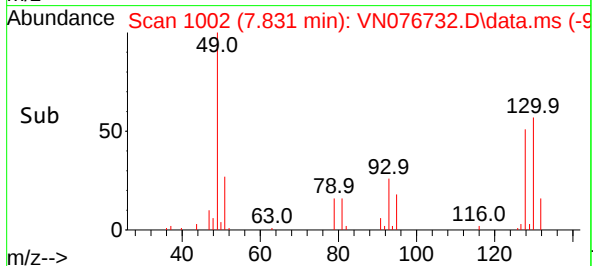
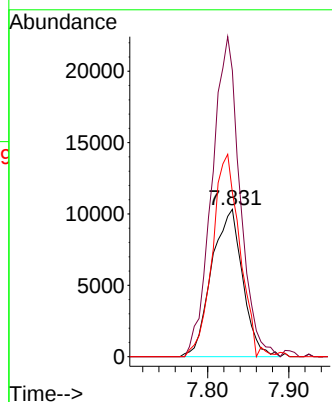
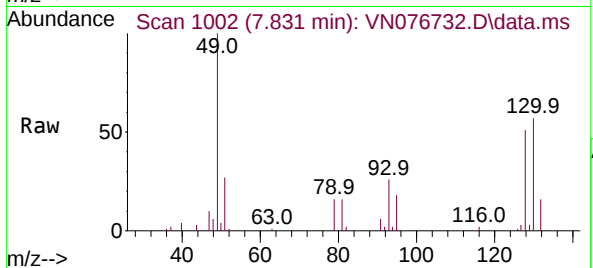
Tgt Ion:128 Resp: 27415

Ion Ratio Lower Upper

128 100

49 196.7 0.0 461.8

130 119.5 0.0 295.3



#27

1,2-Dichloroethane-d4

Concen: 32.031 ug/l

RT: 8.589 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VN076732.D

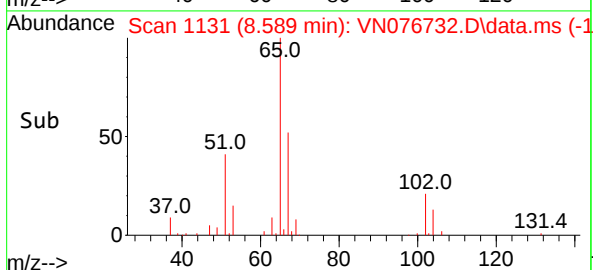
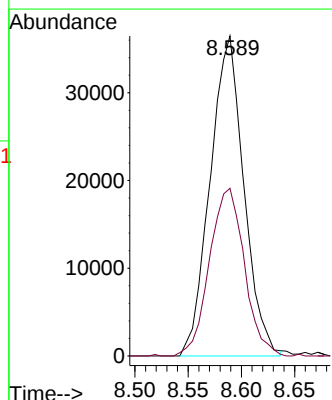
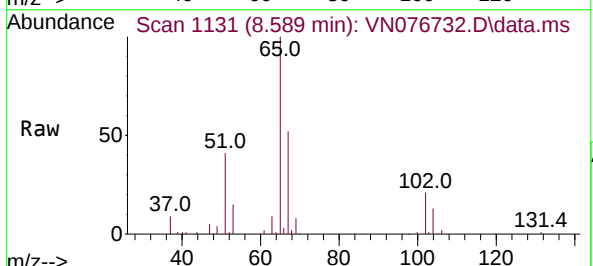
Acq: 17 Feb 2023 14:05

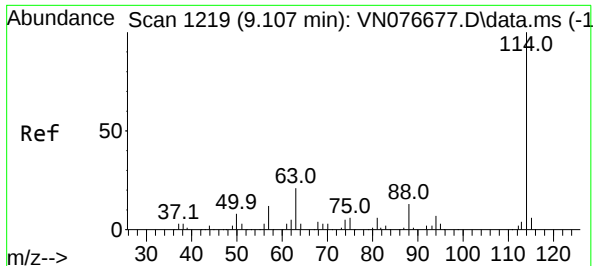
Tgt Ion: 65 Resp: 80314

Ion Ratio Lower Upper

65 100

67 54.2 40.9 61.3





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.107 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN076732.D

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Instrument :

MSVOA_N

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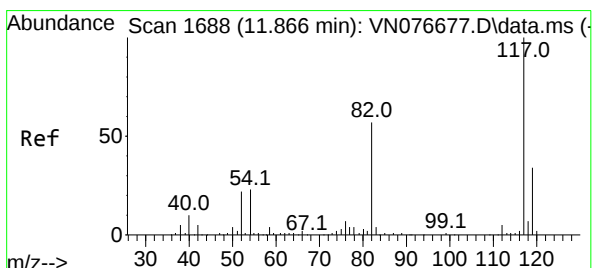
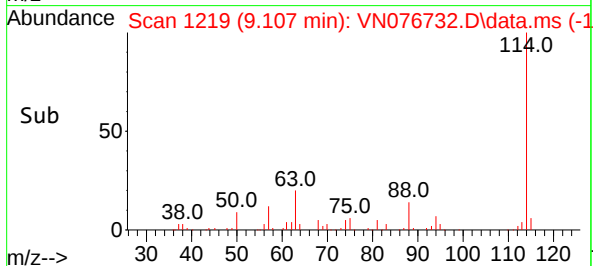
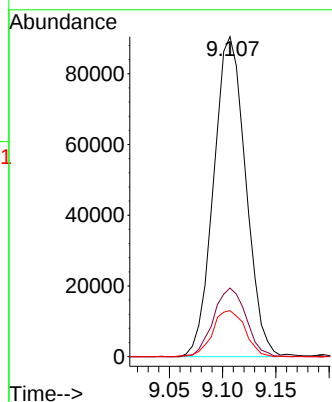
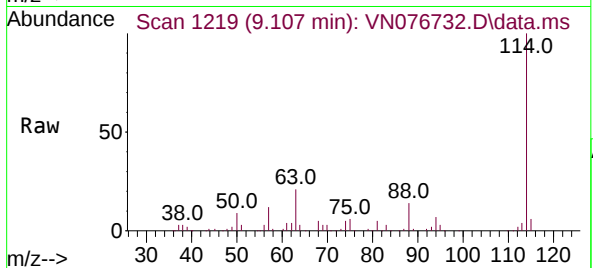
Tgt Ion:114 Resp: 189425

Ion Ratio Lower Upper

114 100

63 21.8 17.0 25.4

88 14.6 11.6 17.4



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.871 min Scan# 1689

Delta R.T. 0.006 min

Lab File: VN076732.D

Acq: 17 Feb 2023 14:05

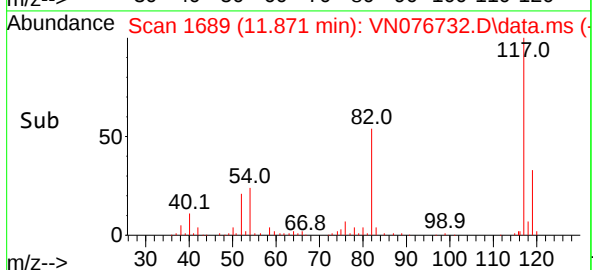
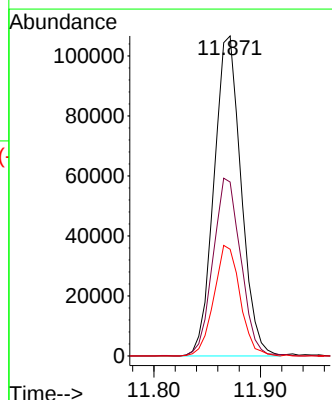
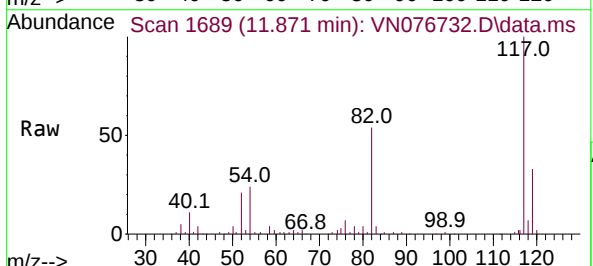
Tgt Ion:117 Resp: 188611

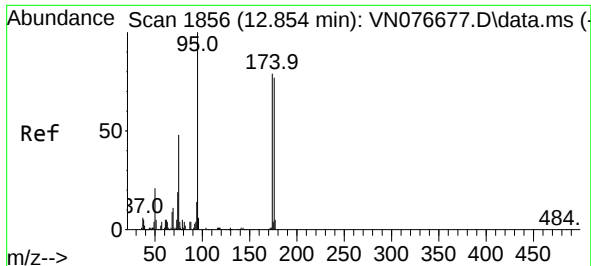
Ion Ratio Lower Upper

117 100

82 56.8 45.4 68.0

119 33.4 26.8 40.2

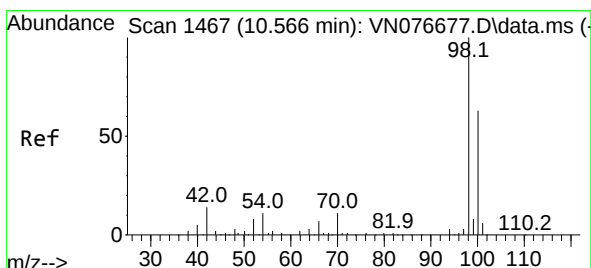
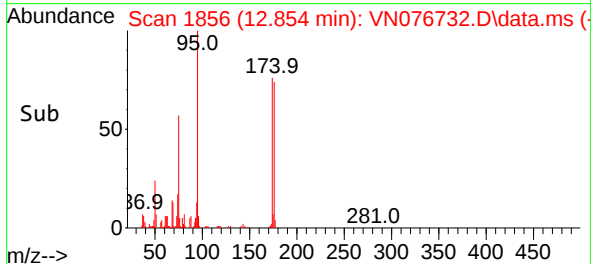
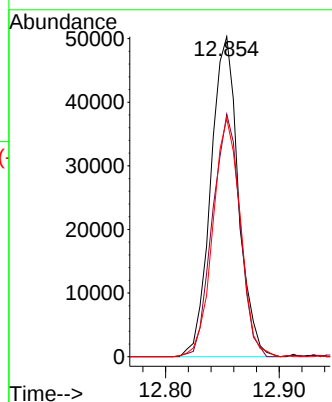
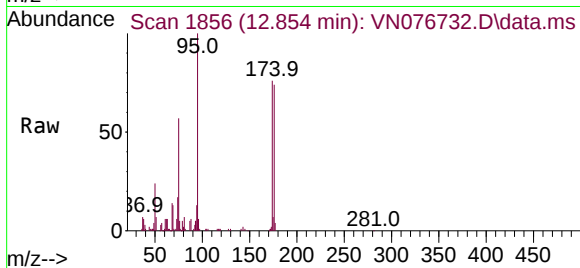




#60
4-Bromofluorobenzene
Concen: 25.397 ug/l
RT: 12.854 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN076732.D
Acq: 17 Feb 2023 14:05

Instrument :
MSVOA_N
ClientSampleId :
VN0217WBL01

Tgt Ion: 95 Resp: 84727
Ion Ratio Lower Upper
95 100
174 75.8 64.2 96.4
176 74.4 61.4 92.0



#63
Toluene-d8
Concen: 31.051 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.006 min
Lab File: VN076732.D
Acq: 17 Feb 2023 14:05

Tgt Ion: 98 Resp: 205136
Ion Ratio Lower Upper
98 100
100 64.3 53.8 80.6

