

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102523\
 Data File : VN079686.D
 Acq On : 25 Oct 2023 17:01
 Operator : JC\MD
 Sample : 05054-04 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-4

Quant Time: Oct 26 01:38:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 18 02:19:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.824	128	18369	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	110927	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	130509	30.000	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	78789	30.168	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.567%
60) 4-Bromofluorobenzene	12.853	95	54910	23.007	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	76.700%
63) Toluene-d8	10.571	98	157428	28.150	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	93.833%

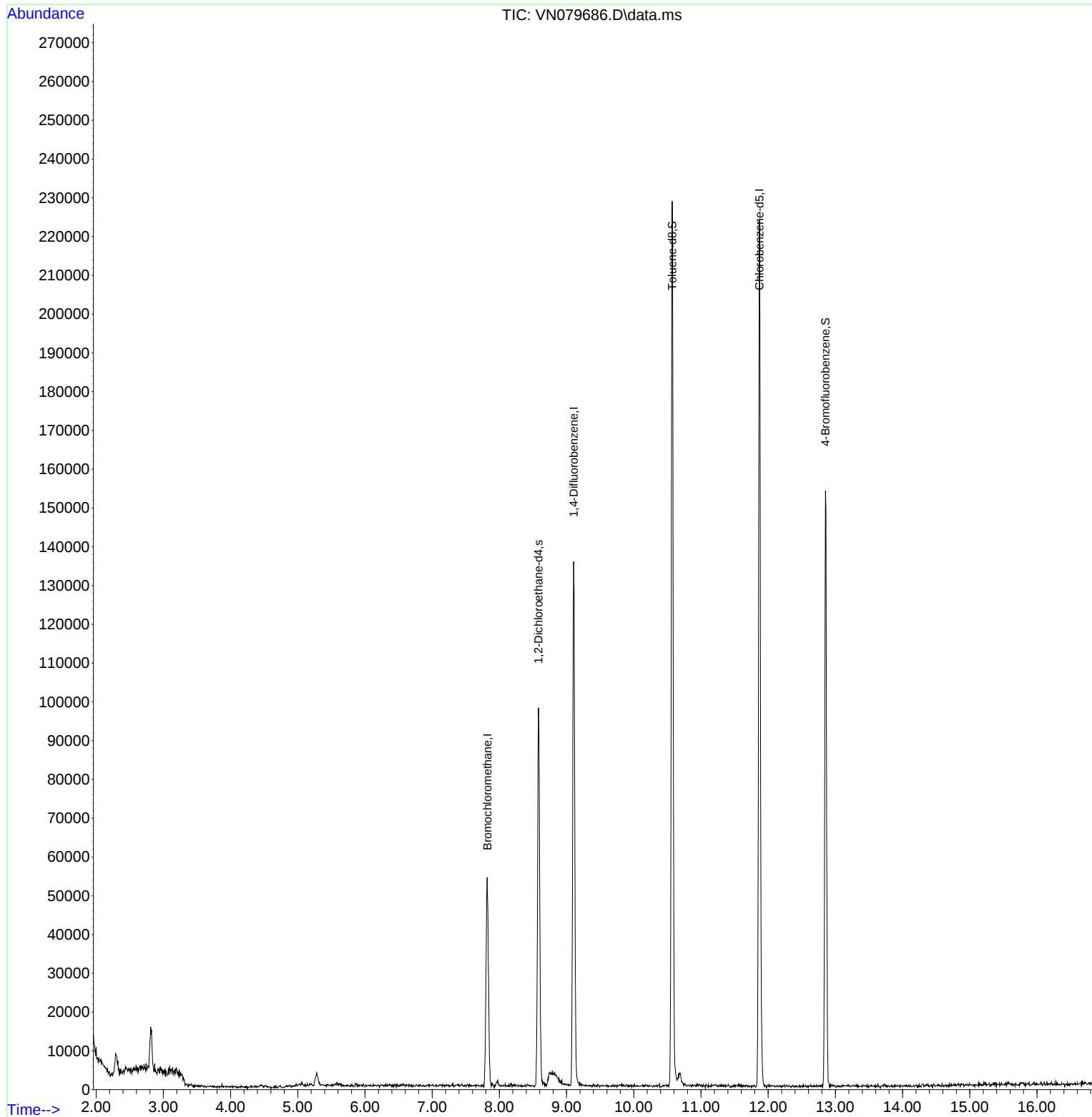
Target Compounds	Qvalue

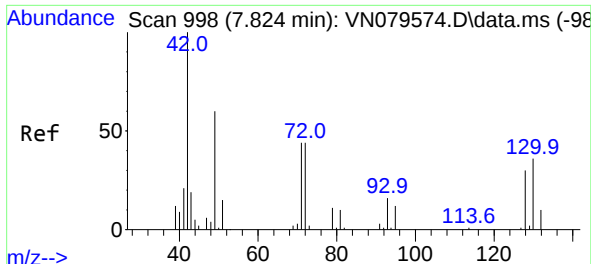
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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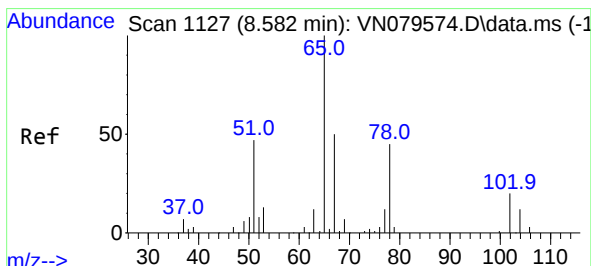
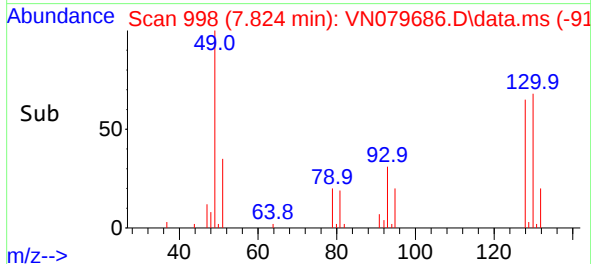
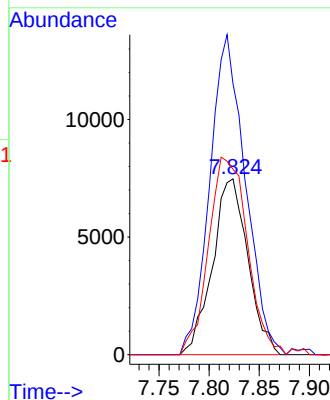
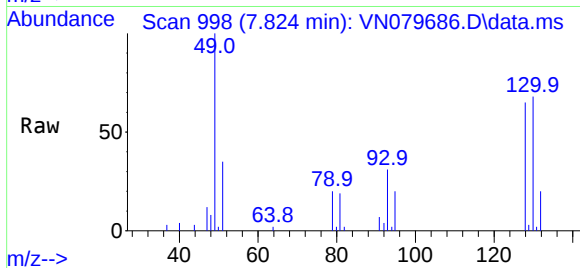




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN079686.D
Acq: 25 Oct 2023 17:01

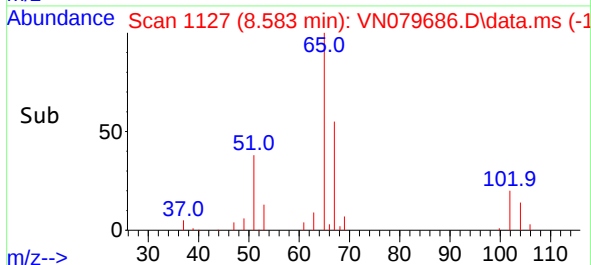
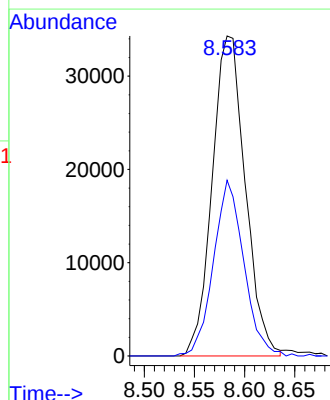
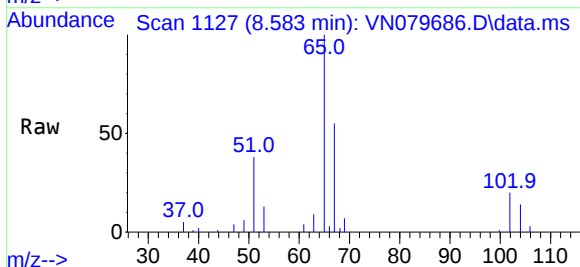
Instrument :
MSVOA_N
ClientSampleId :
14B-4

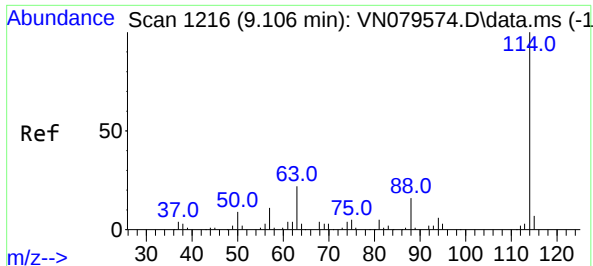
Tgt Ion:128 Resp: 18369
Ion Ratio Lower Upper
128 100
49 182.3 0.0 468.5
130 123.0 0.0 320.7



#27
1,2-Dichloroethane-d4
Concen: 30.168 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN079686.D
Acq: 25 Oct 2023 17:01

Tgt Ion: 65 Resp: 78789
Ion Ratio Lower Upper
65 100
67 50.3 42.1 63.1

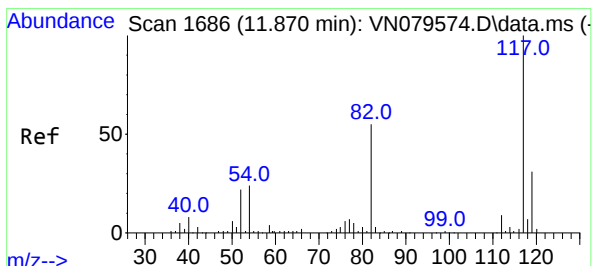
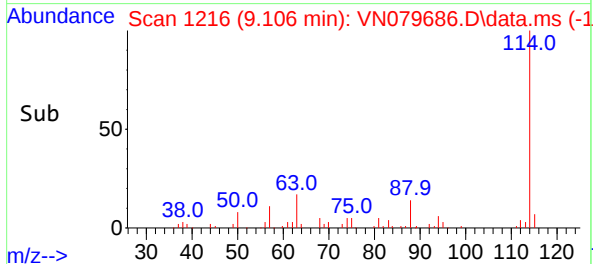
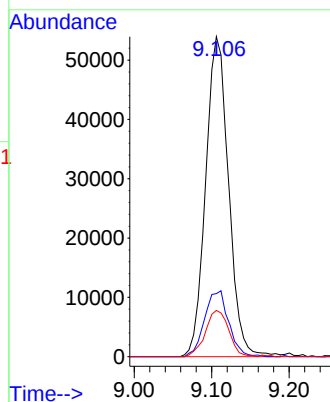
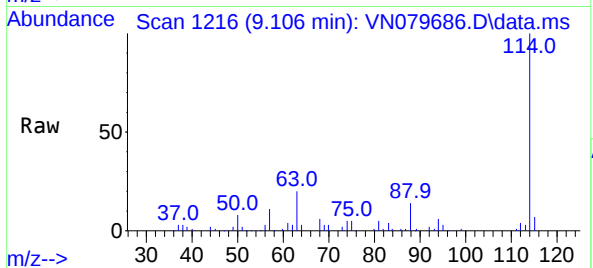




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 110927
Delta R.T. 0.000 min
Lab File: VN079686.D
Acq: 25 Oct 2023 17:01

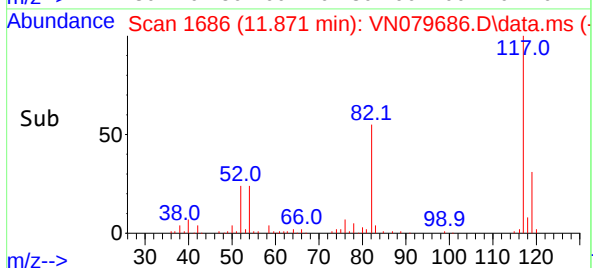
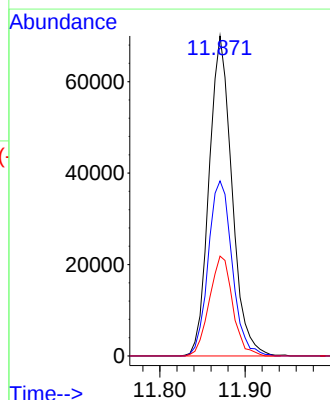
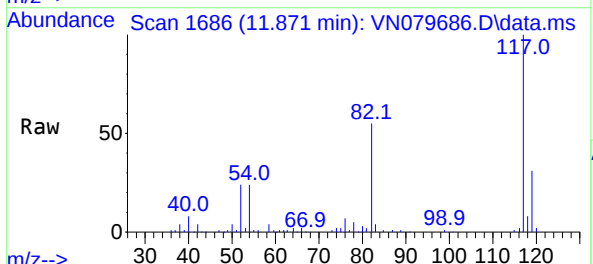
Instrument :
MSVOA_N
ClientSampleId :
14B-4

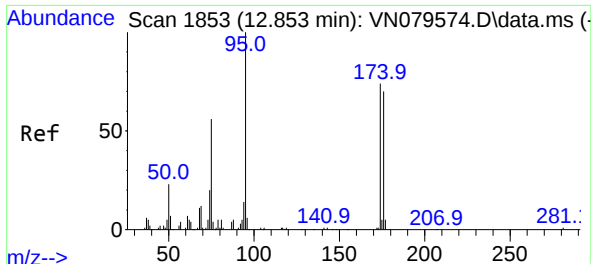
Tgt Ion:114 Resp: 110927
Ion Ratio Lower Upper
114 100
63 21.7 18.1 27.1
88 14.7 12.2 18.2



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN079686.D
Acq: 25 Oct 2023 17:01

Tgt Ion:117 Resp: 130509
Ion Ratio Lower Upper
117 100
82 57.2 46.2 69.2
119 31.8 25.2 37.8

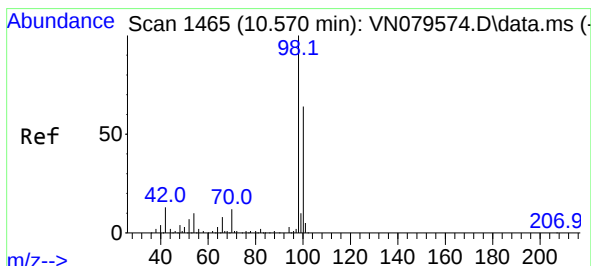
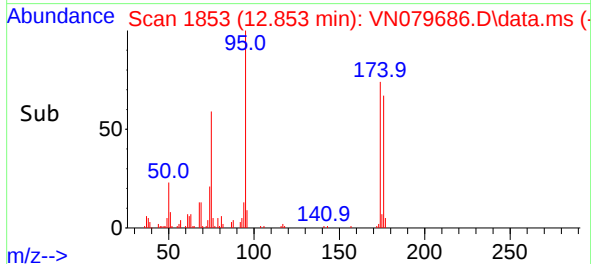
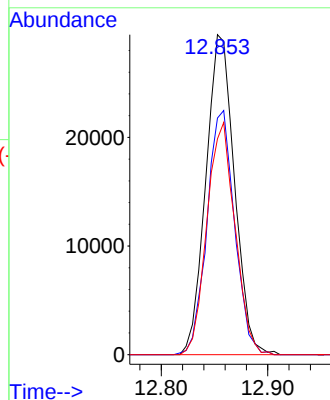
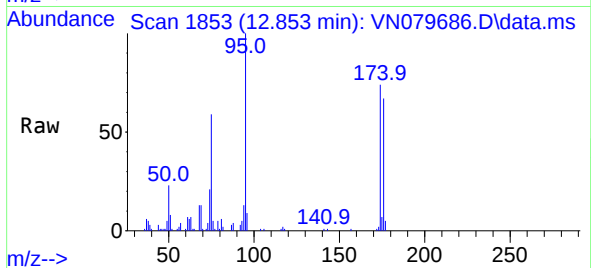




#60
4-Bromofluorobenzene
Concen: 23.007 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079686.D
Acq: 25 Oct 2023 17:01

Instrument :
MSVOA_N
ClientSampleId :
14B-4

Tgt Ion: 95 Resp: 54910
Ion Ratio Lower Upper
95 100
174 73.6 60.5 90.7
176 71.3 57.2 85.8



#63
Toluene-d8
Concen: 28.150 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079686.D
Acq: 25 Oct 2023 17:01

Tgt Ion: 98 Resp: 157428
Ion Ratio Lower Upper
98 100
100 63.8 51.6 77.4

