

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102523\
 Data File : VN079681.D
 Acq On : 25 Oct 2023 15:02
 Operator : JC\MD
 Sample : 05033-03 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-3

Quant Time: Oct 26 01:36:57 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	7.818	128	20842	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	133644	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	161803	30.000	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	89122	30.076	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.267%
60) 4-Bromofluorobenzene	12.853	95	67162	22.698	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	75.667%
63) Toluene-d8	10.571	98	198491	28.628	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	95.433%

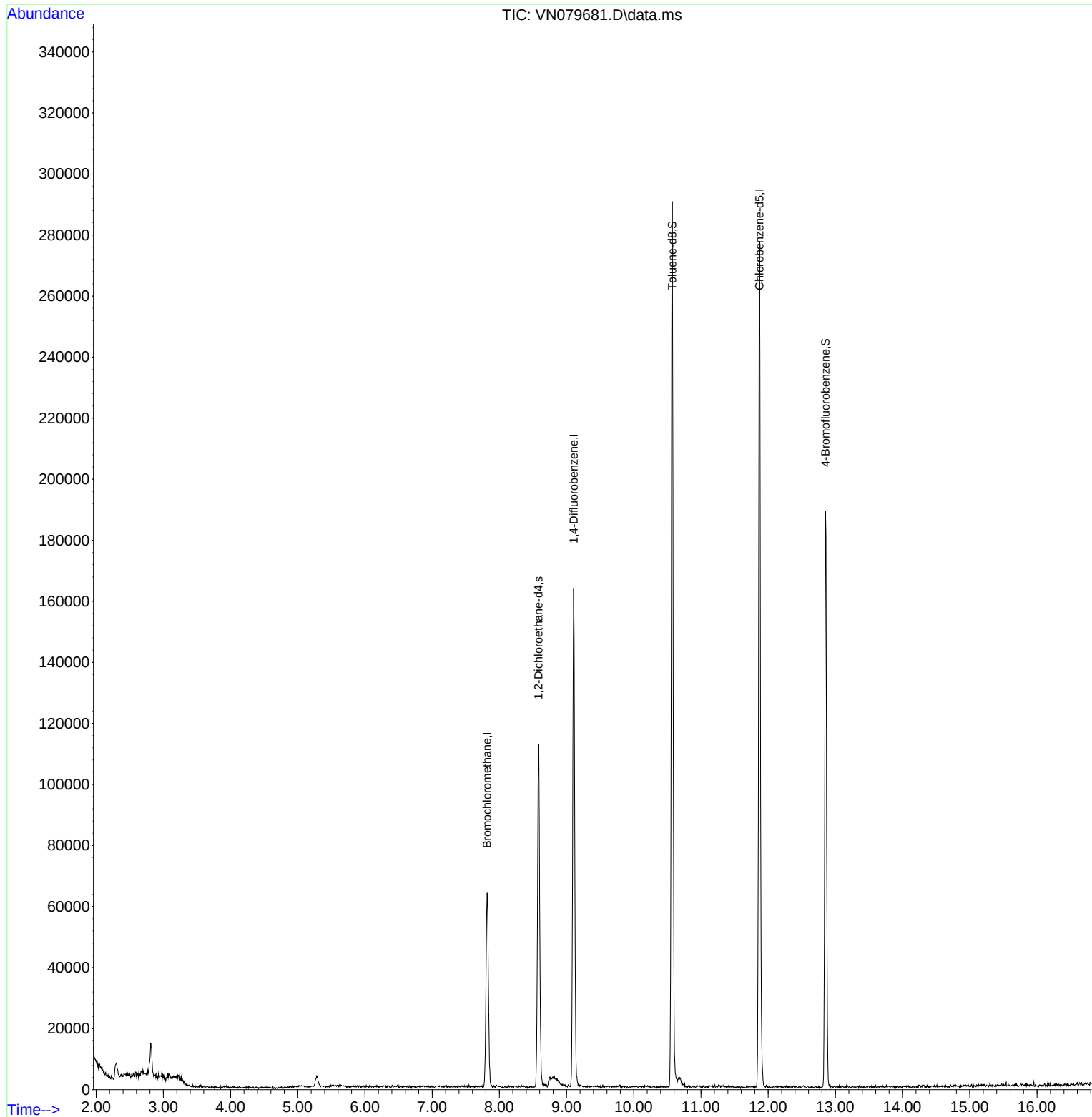
Target Compounds	Qvalue

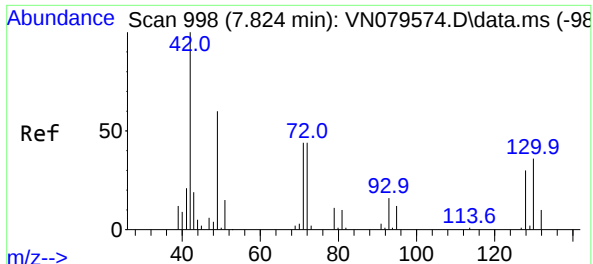
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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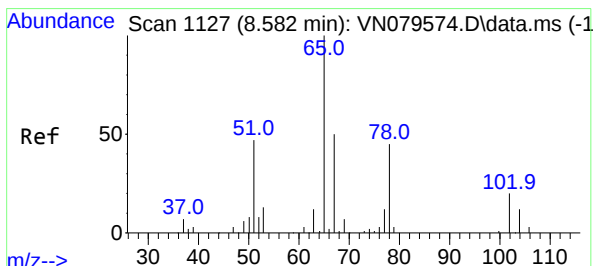
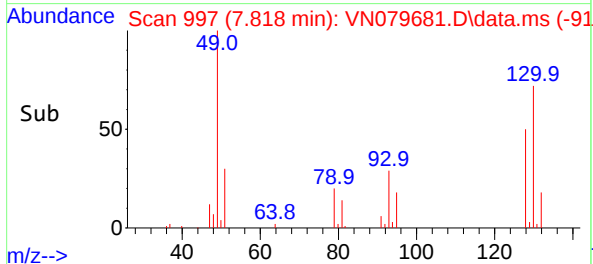
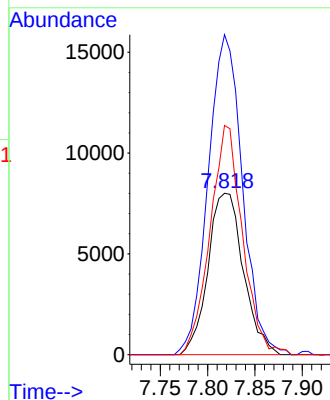
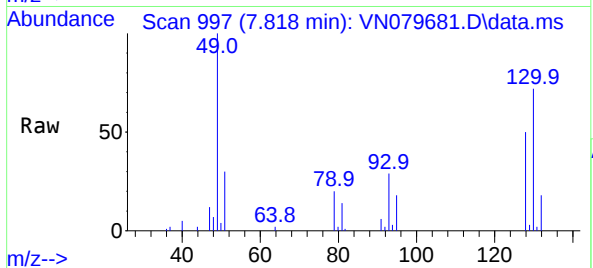




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 997
Delta R.T. -0.006 min
Lab File: VN079681.D
Acq: 25 Oct 2023 15:02

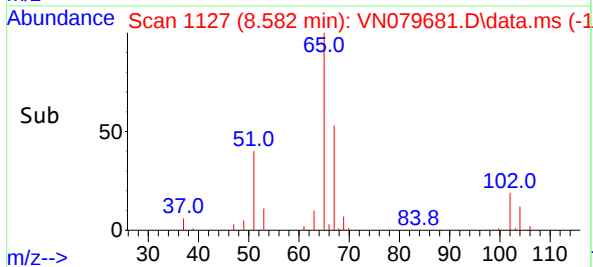
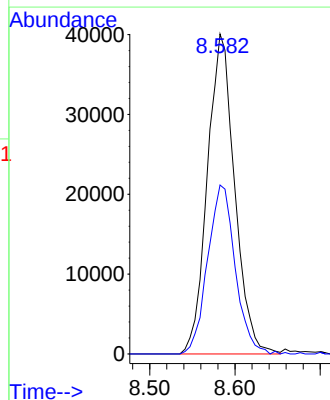
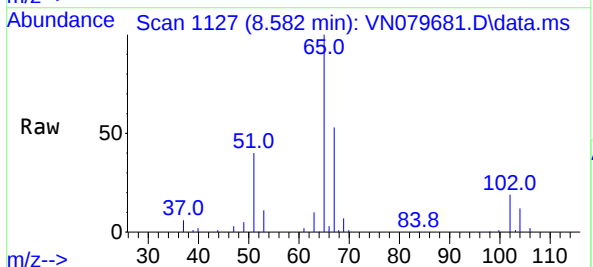
Instrument :
MSVOA_N
ClientSampleId :
14B-3

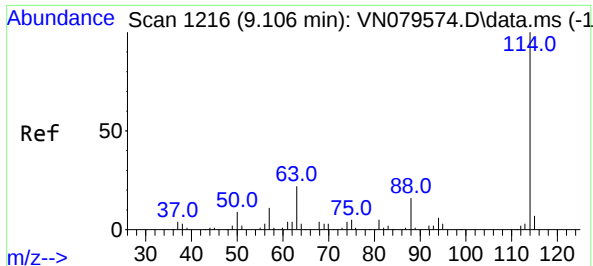
Tgt Ion:128 Resp: 20842
Ion Ratio Lower Upper
128 100
49 191.7 0.0 468.5
130 128.6 0.0 320.7



#27
1,2-Dichloroethane-d4
Concen: 30.076 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN079681.D
Acq: 25 Oct 2023 15:02

Tgt Ion: 65 Resp: 89122
Ion Ratio Lower Upper
65 100
67 53.2 42.1 63.1

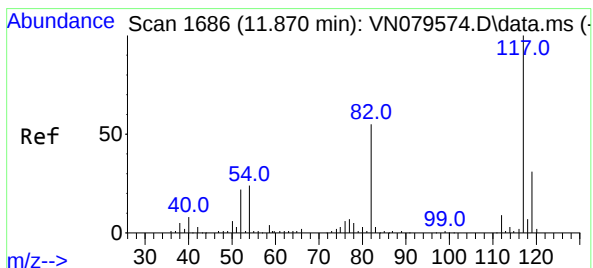
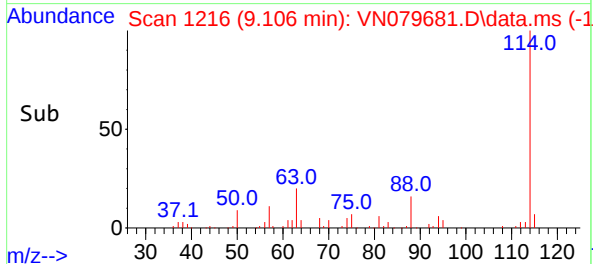
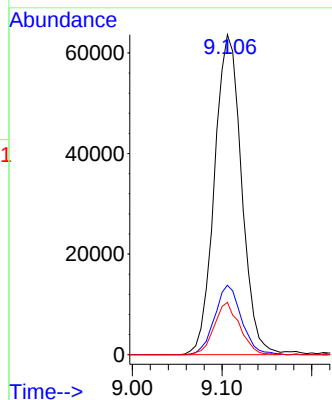
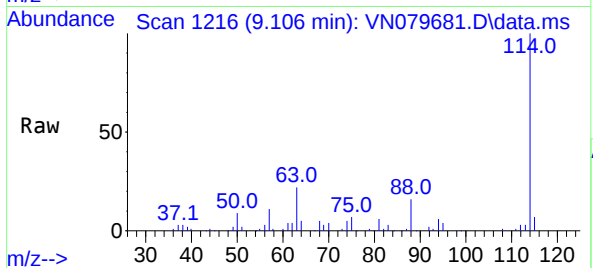




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 114
Delta R.T. 0.000 min
Lab File: VN079681.D
Acq: 25 Oct 2023 15:02

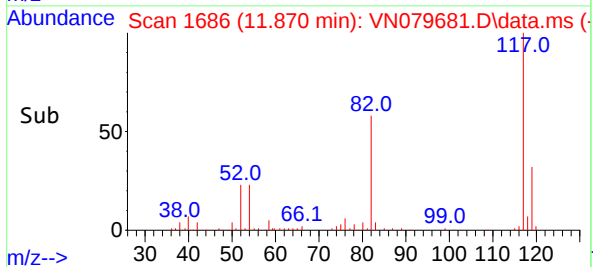
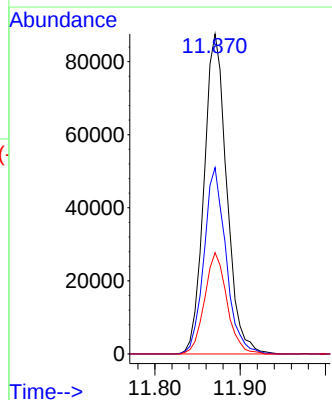
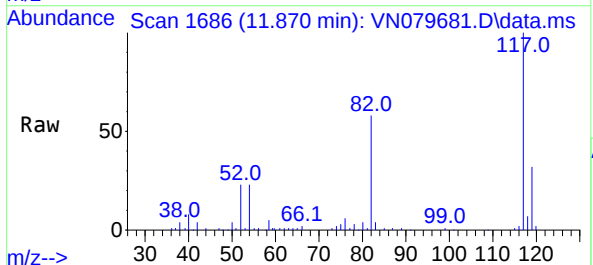
Instrument :
MSVOA_N
ClientSampleId :
14B-3

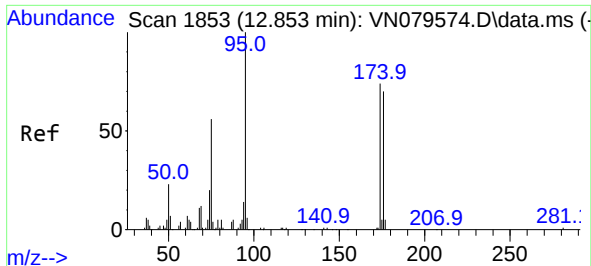
Tgt Ion:114 Resp: 133644
Ion Ratio Lower Upper
114 100
63 21.5 18.1 27.1
88 15.2 12.2 18.2



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN079681.D
Acq: 25 Oct 2023 15:02

Tgt Ion:117 Resp: 161803
Ion Ratio Lower Upper
117 100
82 56.7 46.2 69.2
119 31.2 25.2 37.8

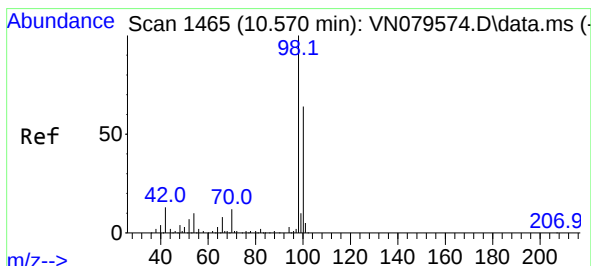
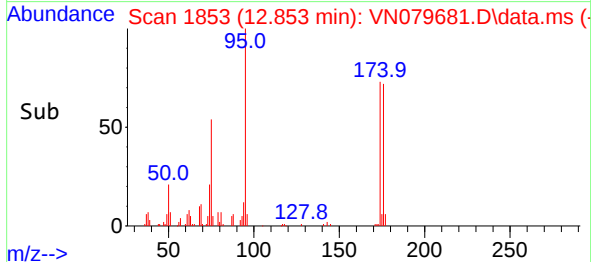
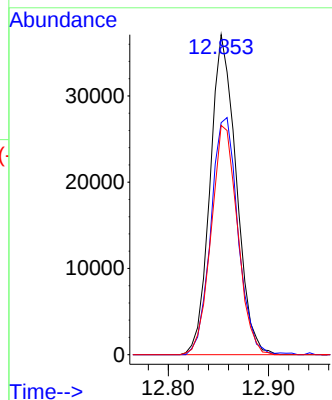
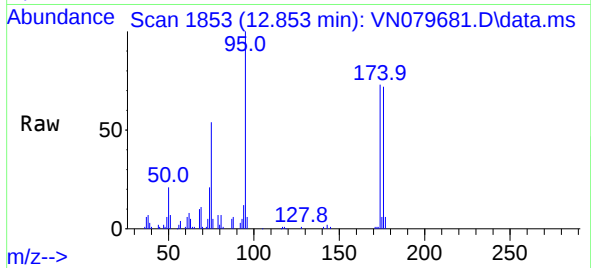




#60
4-Bromofluorobenzene
Concen: 22.698 ug/l
RT: 12.853 min Scan# 114
Delta R.T. 0.000 min
Lab File: VN079681.D
Acq: 25 Oct 2023 15:02

Instrument :
MSVOA_N
ClientSampleId :
14B-3

Tgt Ion: 95 Resp: 67162
Ion Ratio Lower Upper
95 100
174 76.7 60.5 90.7
176 72.4 57.2 85.8



#63
Toluene-d8
Concen: 28.628 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079681.D
Acq: 25 Oct 2023 15:02

Tgt Ion: 98 Resp: 198491
Ion Ratio Lower Upper
98 100
100 62.2 51.6 77.4

