

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060123\
 Data File : VN078014.D
 Acq On : 01 Jun 2023 16:50
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Jun 02 01:53:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

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

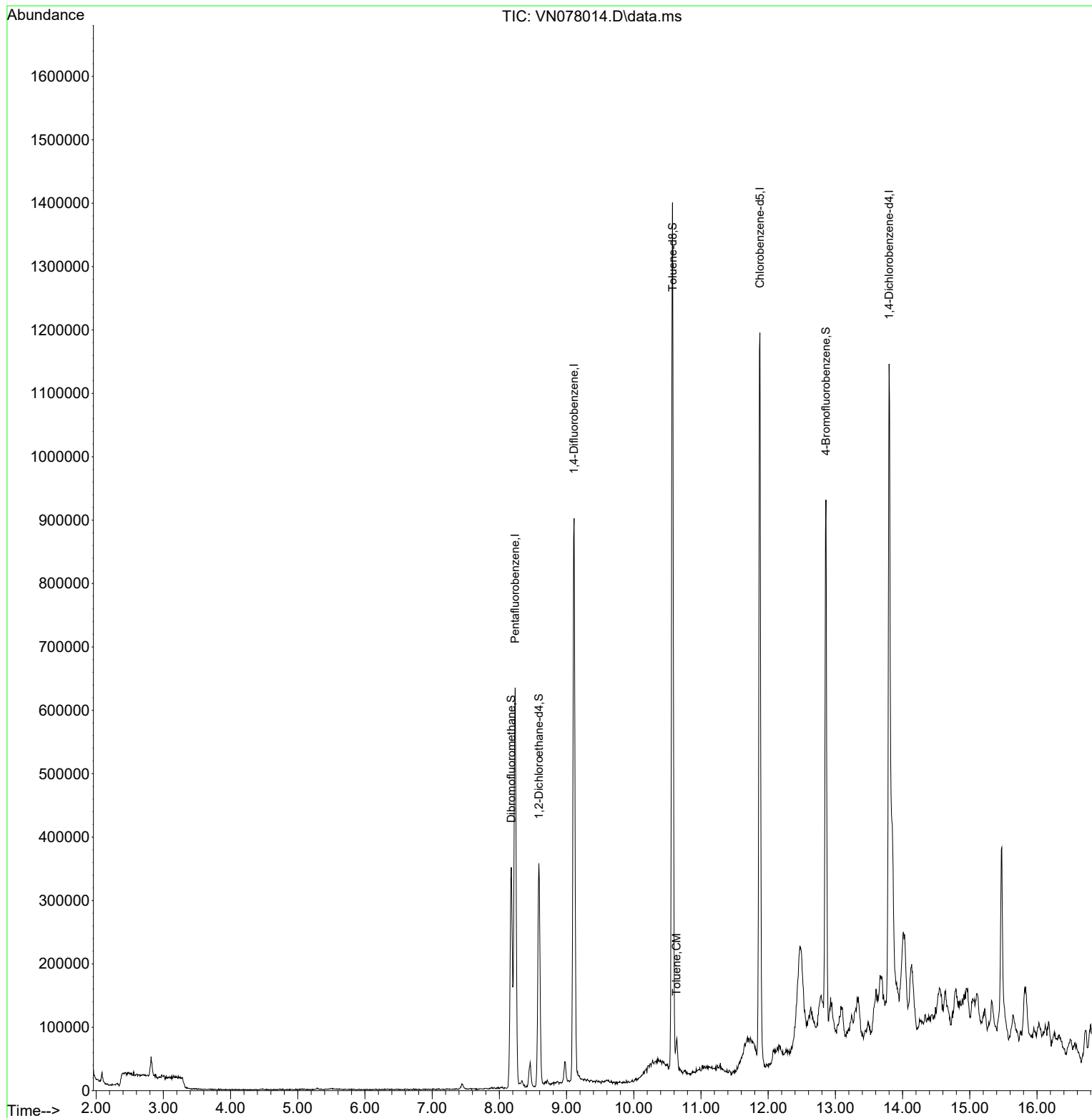
Internal Standards						
1) Pentafluorobenzene	8.235	168	435405	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	798032	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.876	117	717623	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	249604	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	290818	44.640	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	89.280%
35) Dibromofluoromethane	8.177	113	253958	48.802	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.600%
50) Toluene-d8	10.576	98	988748	49.363	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.720%
62) 4-Bromofluorobenzene	12.859	95	315774	44.637	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.280%
Target Compounds						
52) Toluene	10.635	92	19842	1.419	ug/l	Qvalue 98

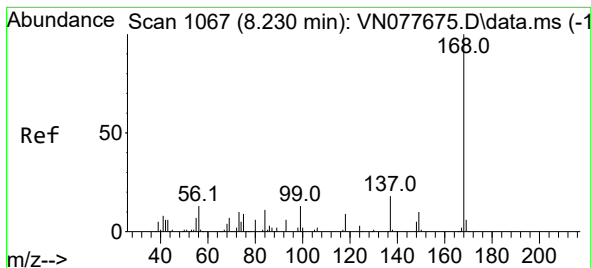
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.235 min Scan# 1067

Delta R.T. 0.005 min

Lab File: VN078014.D

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ClientSampleId :

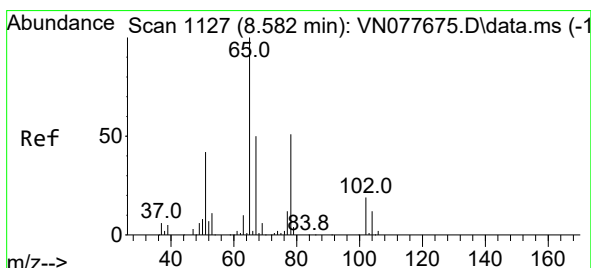
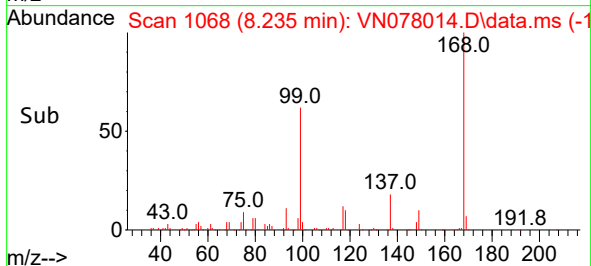
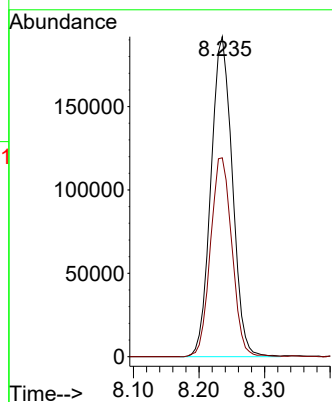
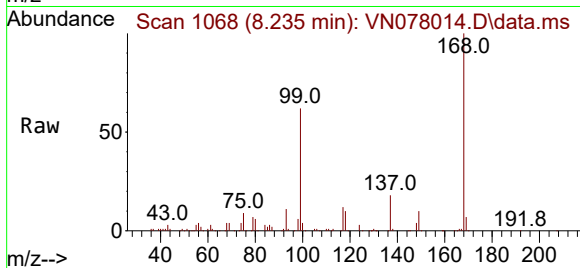
IBLK

Tgt Ion:168 Resp: 435405

Ion Ratio Lower Upper

168 100

99 62.1 53.0 79.6



#33

1,2-Dichloroethane-d4

Concen: 44.640 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VN078014.D

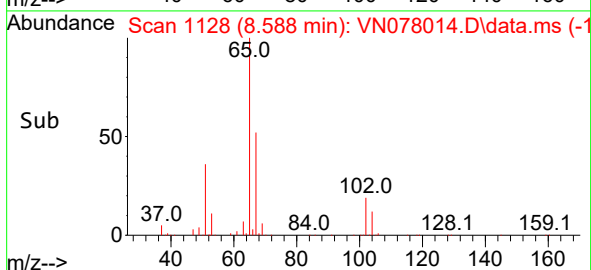
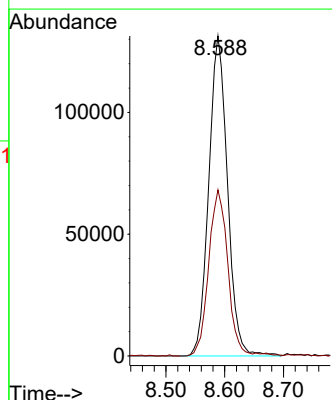
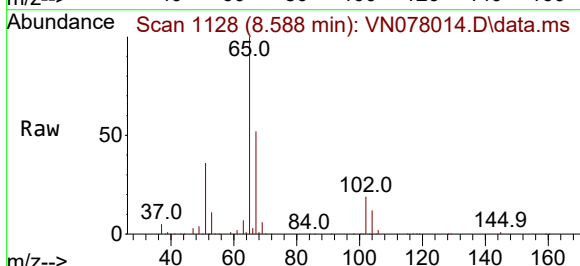
Acq: 01 Jun 2023 16:50

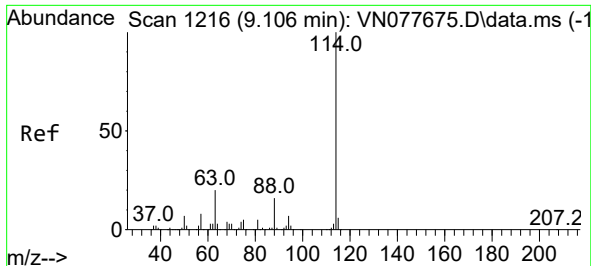
Tgt Ion: 65 Resp: 290818

Ion Ratio Lower Upper

65 100

67 52.7 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN078014.D

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Instrument :

MSVOA_N

ClientSampleId :

IBLK

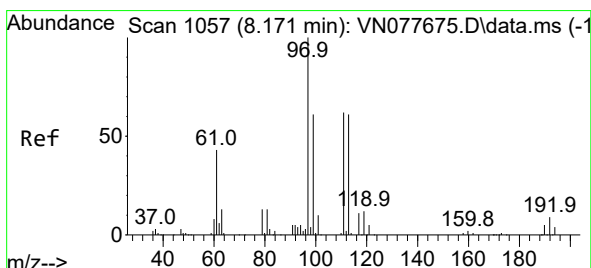
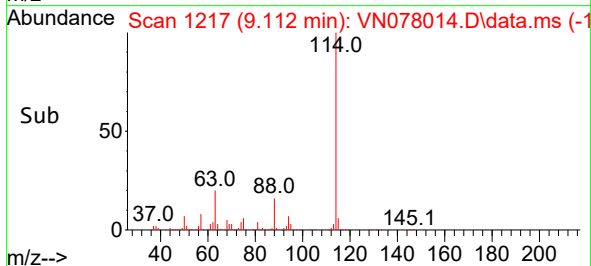
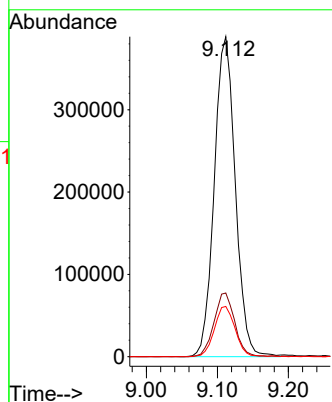
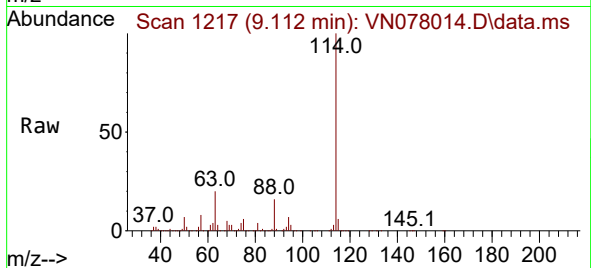
Tgt Ion:114 Resp: 798032

Ion Ratio Lower Upper

114 100

63 19.9 0.0 36.4

88 15.7 0.0 30.6



#35

Dibromofluoromethane

Concen: 48.802 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN078014.D

Acq: 01 Jun 2023 16:50

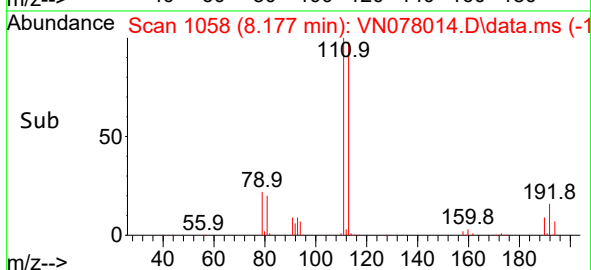
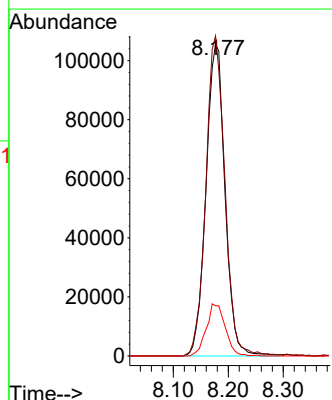
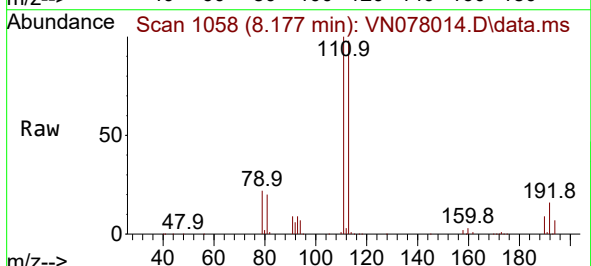
Tgt Ion:113 Resp: 253958

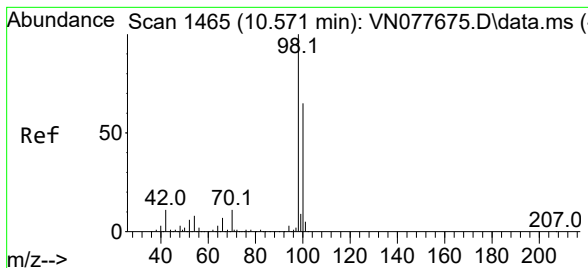
Ion Ratio Lower Upper

113 100

111 102.7 82.6 123.8

192 16.6 12.7 19.1





#50

Toluene-d8

Concen: 49.363 ug/l

RT: 10.576 min Scan# 1465

Delta R.T. 0.005 min

Lab File: VN078014.D

Acq: 01 Jun 2023 16:50

Instrument :

MSVOA_N

ClientSampleId :

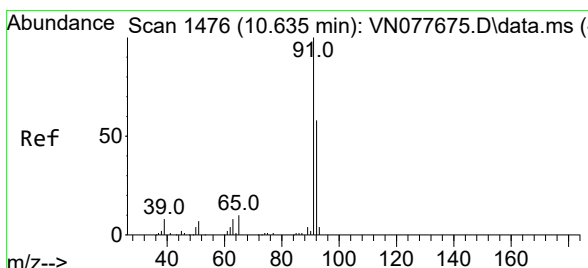
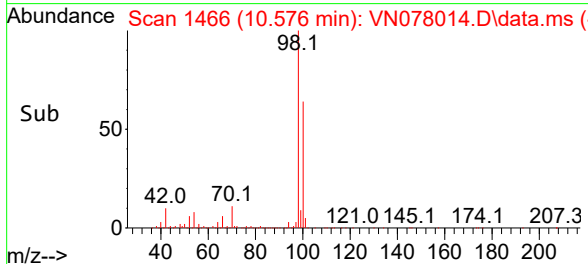
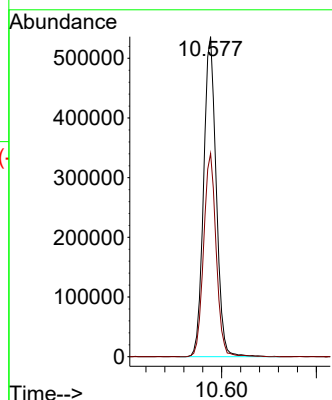
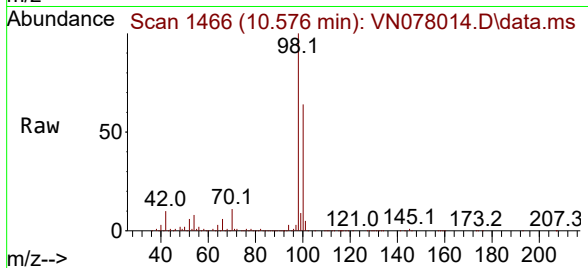
IBLK

Tgt Ion: 98 Resp: 988748

Ion Ratio Lower Upper

98 100

100 63.3 52.0 78.0



#52

Toluene

Concen: 1.419 ug/l

RT: 10.635 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VN078014.D

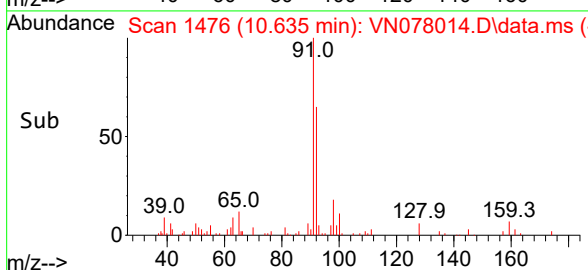
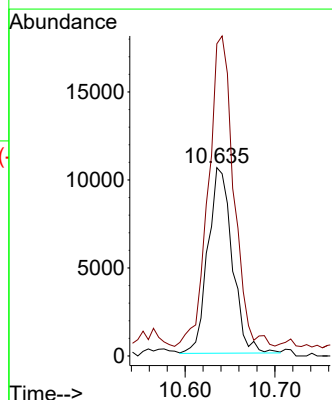
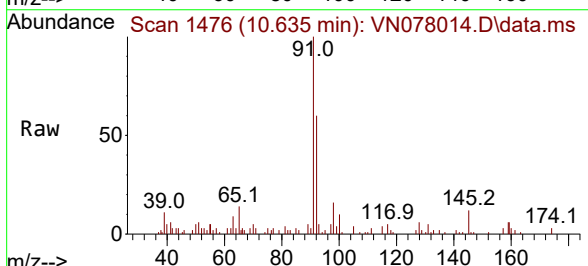
Acq: 01 Jun 2023 16:50

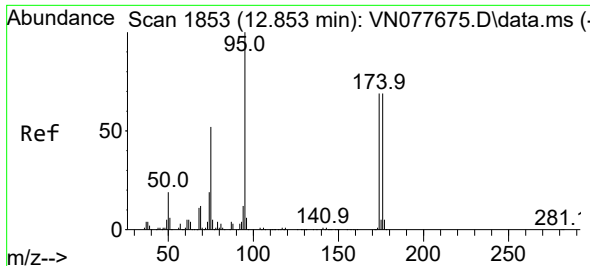
Tgt Ion: 92 Resp: 19842

Ion Ratio Lower Upper

92 100

91 174.4 137.4 206.0

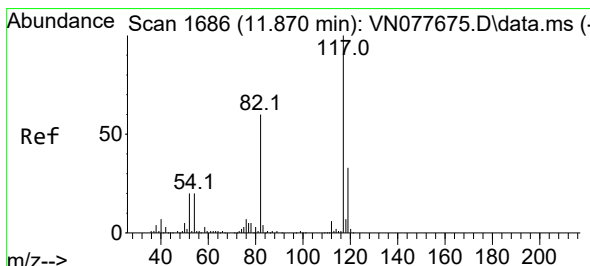
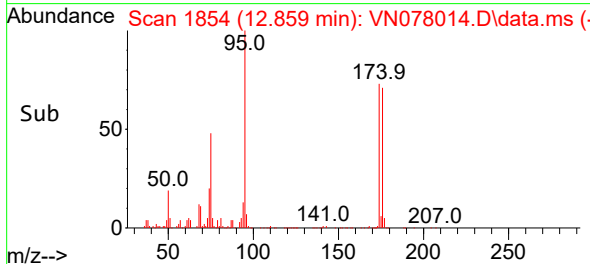
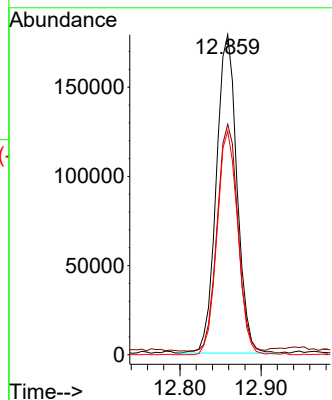
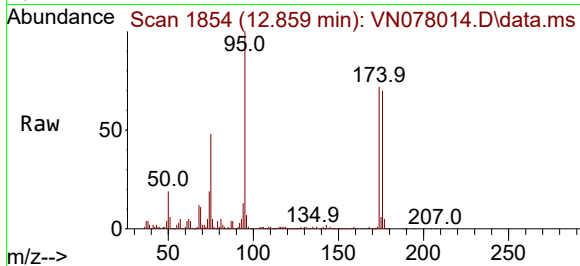




#62
4-Bromofluorobenzene
Concen: 44.637 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN078014.D
Acq: 01 Jun 2023 16:50

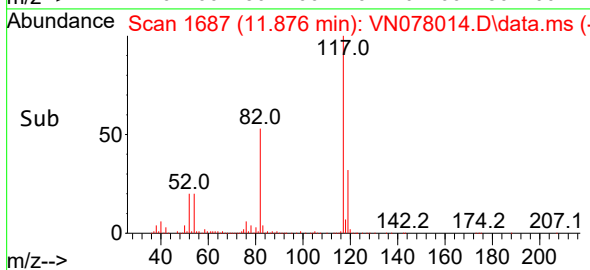
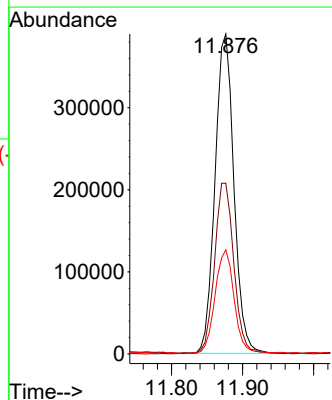
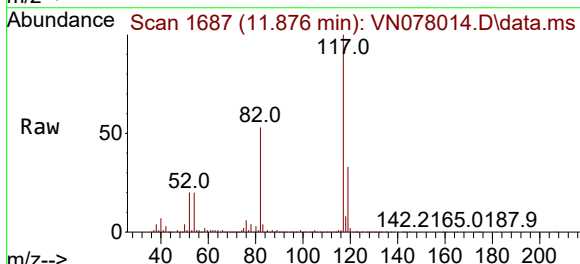
Instrument :
MSVOA_N
ClientSampleId :
IBLK

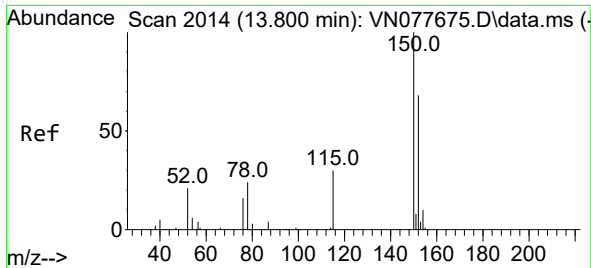
Tgt Ion: 95 Resp: 315774
Ion Ratio Lower Upper
95 100
174 71.8 0.0 143.8
176 70.5 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.876 min Scan# 1687
Delta R.T. 0.006 min
Lab File: VN078014.D
Acq: 01 Jun 2023 16:50

Tgt Ion: 117 Resp: 717623
Ion Ratio Lower Upper
117 100
82 53.3 44.0 66.0
119 32.3 25.6 38.4





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.800 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN078014.D
 Acq: 01 Jun 2023 16:50

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Tgt Ion:152 Resp: 249604
 Ion Ratio Lower Upper
 152 100
 115 65.9 32.3 96.8
 150 156.7 0.0 355.8

