

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020224\
 Data File : VN080886.D
 Acq On : 02 Feb 2024 20:15
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Feb 02 23:57:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 29 12:54:23 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	59244	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	152265	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	176371	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	79540	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	69595	67.904	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	135.800%#
35) Dibromofluoromethane	8.171	113	53691	57.635	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	115.280%
50) Toluene-d8	10.570	98	227553	62.410	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	124.820%#
62) 4-Bromofluorobenzene	12.853	95	94763	74.584	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	149.160%#

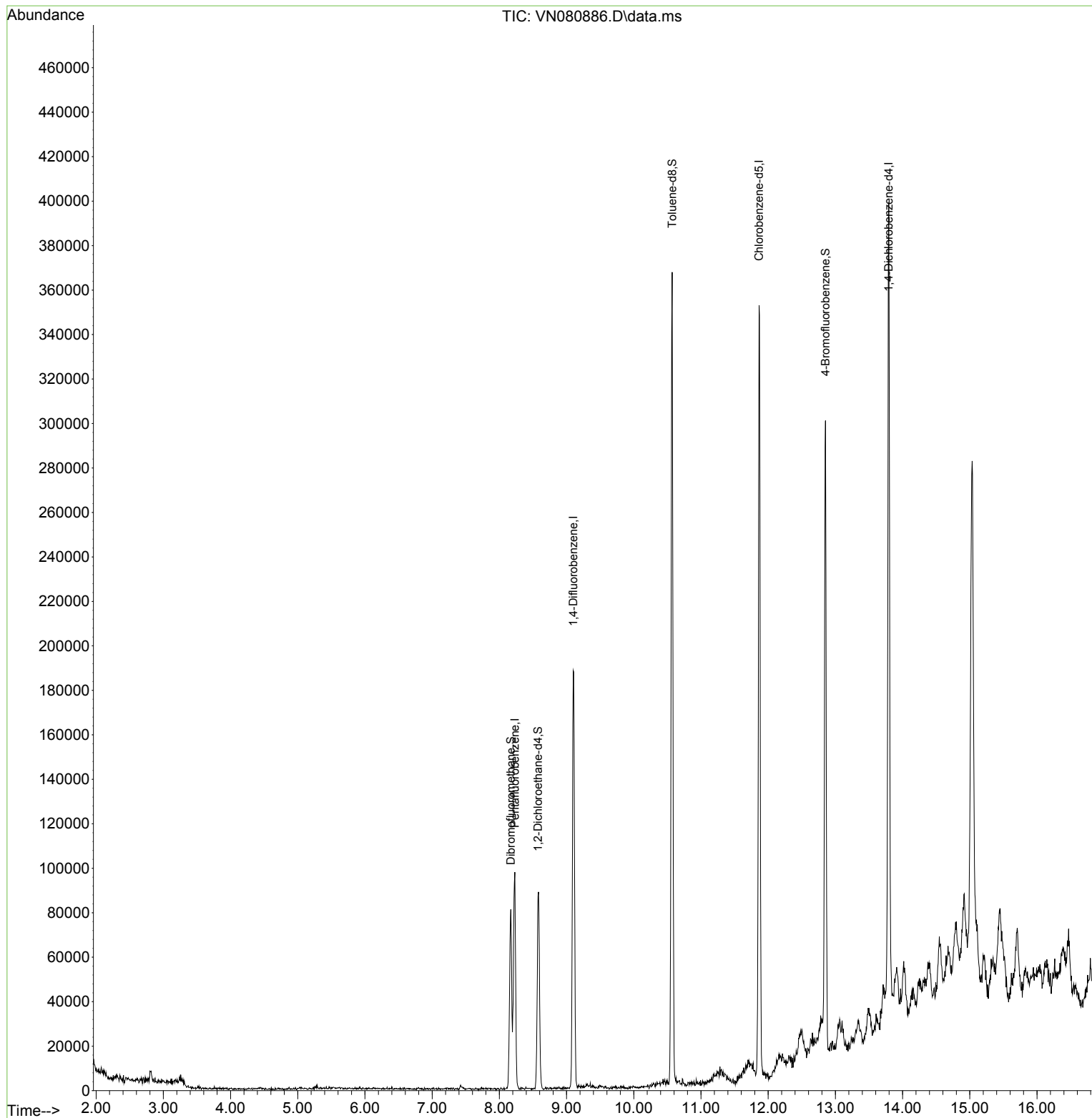
Target Compounds	Qvalue

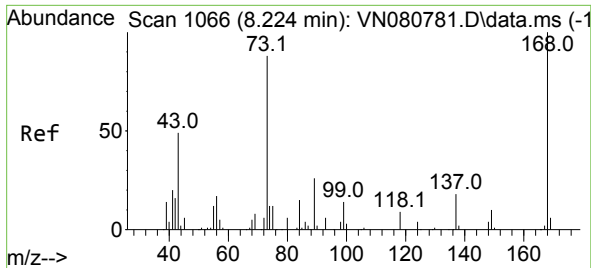
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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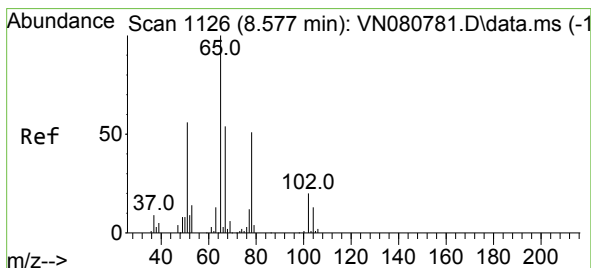
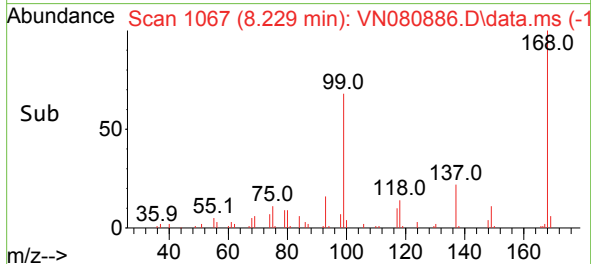
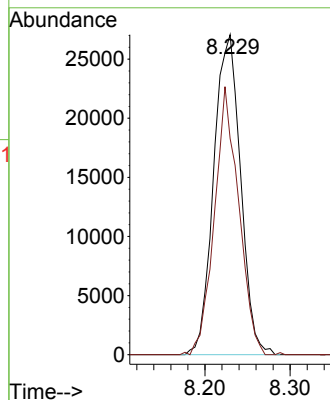
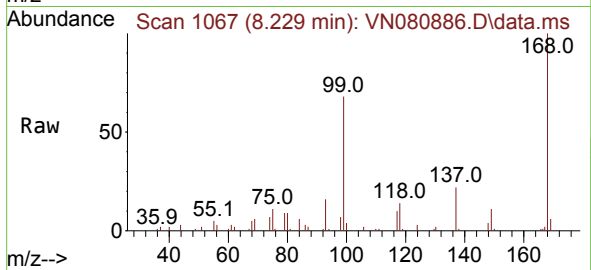




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1066
Delta R.T. 0.005 min
Lab File: VN080886.D
Acq: 02 Feb 2024 20:15

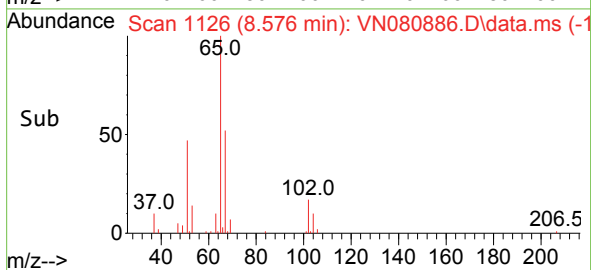
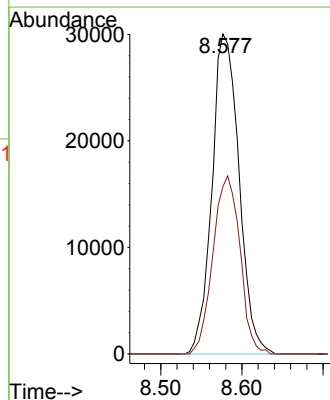
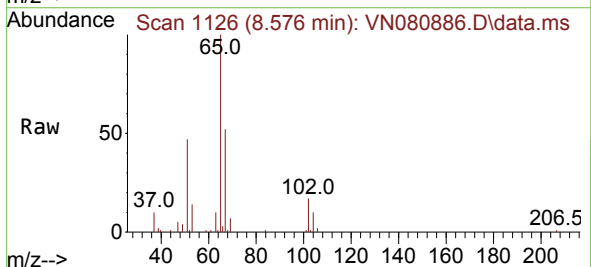
Instrument :
MSVOA_N
ClientSampleId :
IBLK

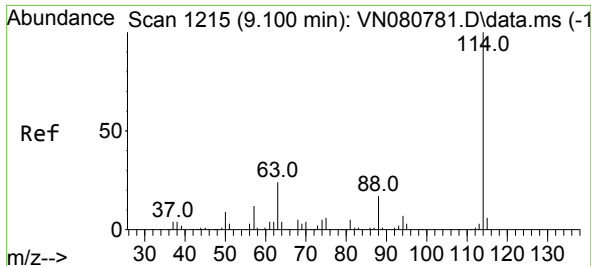
Tgt Ion:168 Resp: 59244
Ion Ratio Lower Upper
168 100
99 67.6 59.9 89.9



#33
1,2-Dichloroethane-d4
Concen: 67.904 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN080886.D
Acq: 02 Feb 2024 20:15

Tgt Ion: 65 Resp: 69595
Ion Ratio Lower Upper
65 100
67 55.5 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN080886.D

Acq: 02 Feb 2024 20:15

Instrument :

MSVOA_N

ClientSampleId :

IBLK

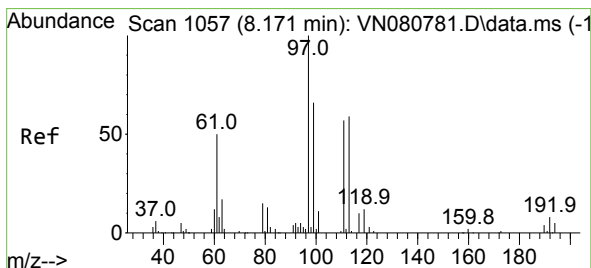
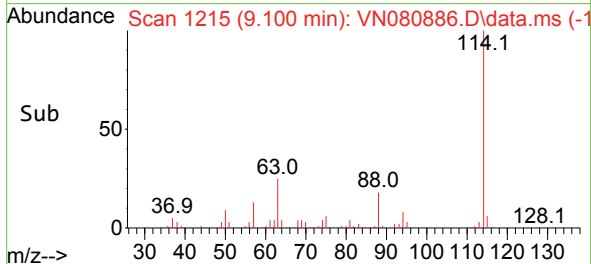
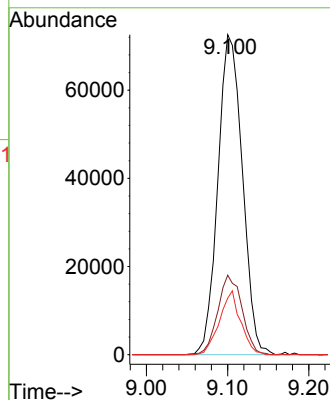
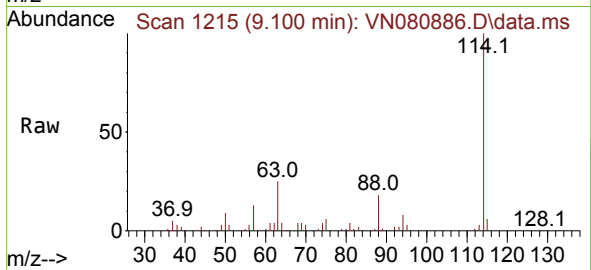
Tgt Ion:114 Resp: 152265

Ion Ratio Lower Upper

114 100

63 24.9 0.0 48.0

88 17.7 0.0 34.8



#35

Dibromofluoromethane

Concen: 57.635 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN080886.D

Acq: 02 Feb 2024 20:15

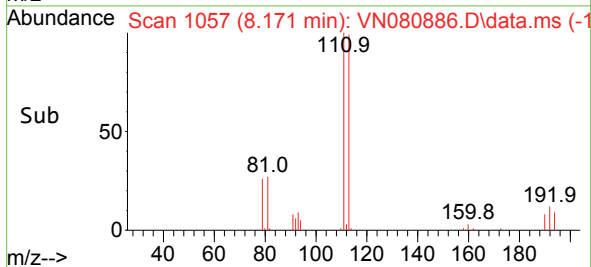
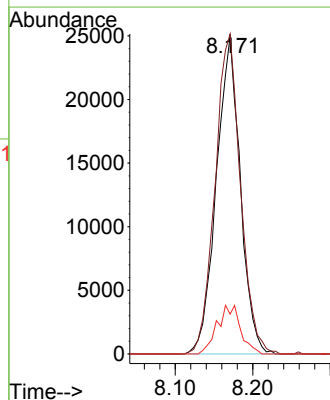
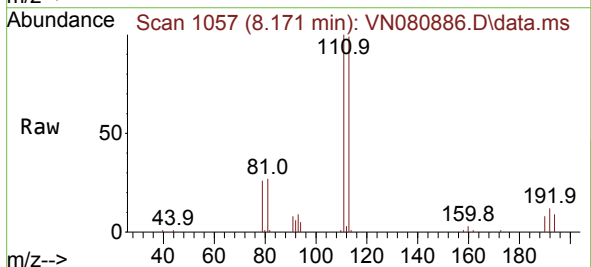
Tgt Ion:113 Resp: 53691

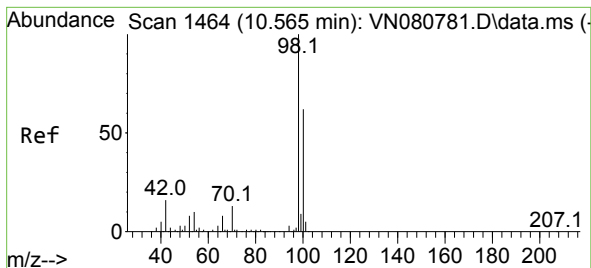
Ion Ratio Lower Upper

113 100

111 106.6 82.2 123.4

192 14.9 12.5 18.7





#50

Toluene-d8

Concen: 62.410 ug/l

RT: 10.570 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN080886.D

Acq: 02 Feb 2024 20:15

Instrument :

MSVOA_N

ClientSampleId :

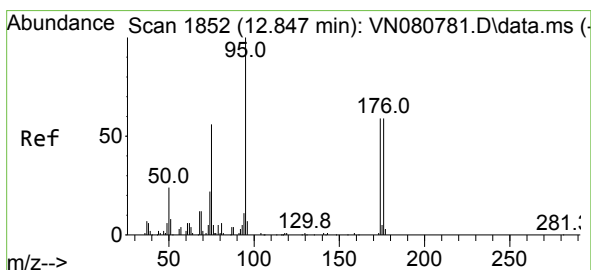
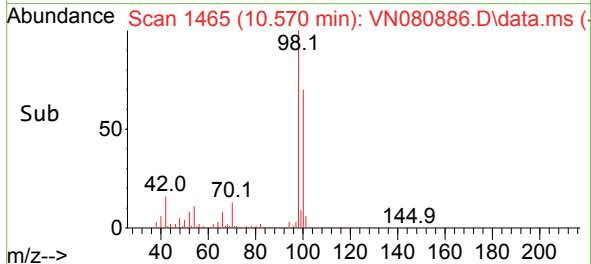
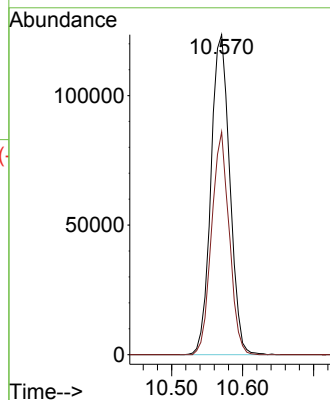
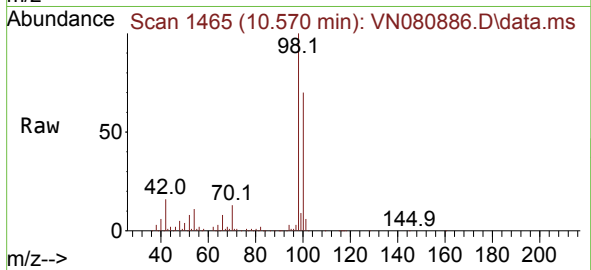
IBLK

Tgt Ion: 98 Resp: 227553

Ion Ratio Lower Upper

98 100

100 65.1 51.4 77.0



#62

4-Bromofluorobenzene

Concen: 74.584 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.006 min

Lab File: VN080886.D

Acq: 02 Feb 2024 20:15

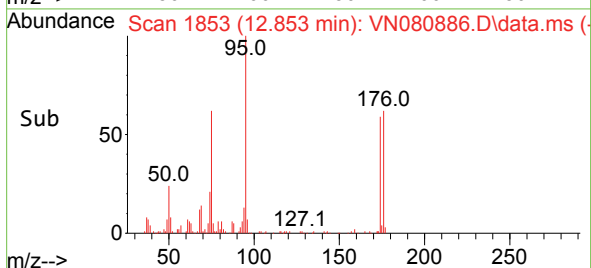
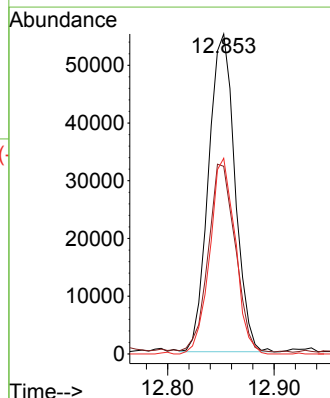
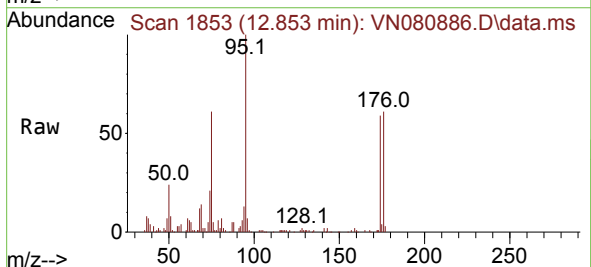
Tgt Ion: 95 Resp: 94763

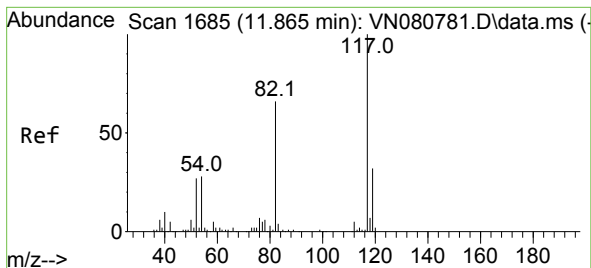
Ion Ratio Lower Upper

95 100

174 60.8 0.0 120.4

176 59.2 0.0 121.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN080886.D

Acq: 02 Feb 2024 20:15

Instrument :

MSVOA_N

ClientSampleId :

IBLK

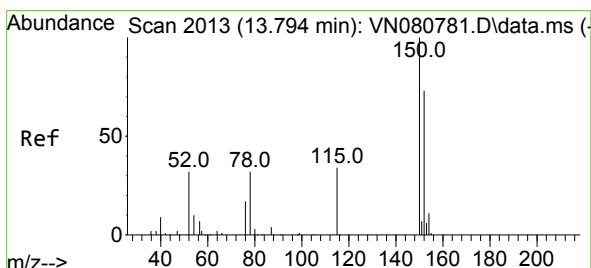
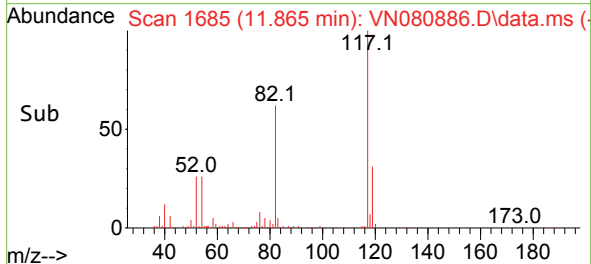
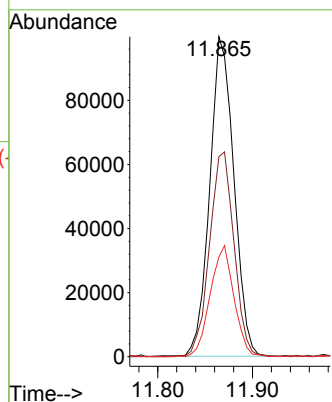
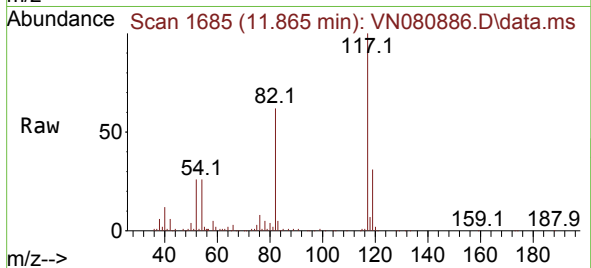
Tgt Ion:117 Resp: 176371

Ion Ratio Lower Upper

117 100

82 62.4 52.7 79.1

119 31.2 25.3 37.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN080886.D

Acq: 02 Feb 2024 20:15

Tgt Ion:152 Resp: 79540

Ion Ratio Lower Upper

152 100

115 73.9 32.3 96.8

150 158.6 0.0 339.8

