

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082120\
 Data File : VN063080.D
 Acq On : 21 Aug 2020 15:03
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Aug 22 01:40:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 06:09:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	153733	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	259923	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	270286	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	105512	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	100549	55.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.38%	
35) Dibromofluoromethane	7.55	113	87971	51.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.88%	
50) Toluene-d8	10.06	98	331818	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
62) 4-Bromofluorobenzene	12.38	95	118829	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	

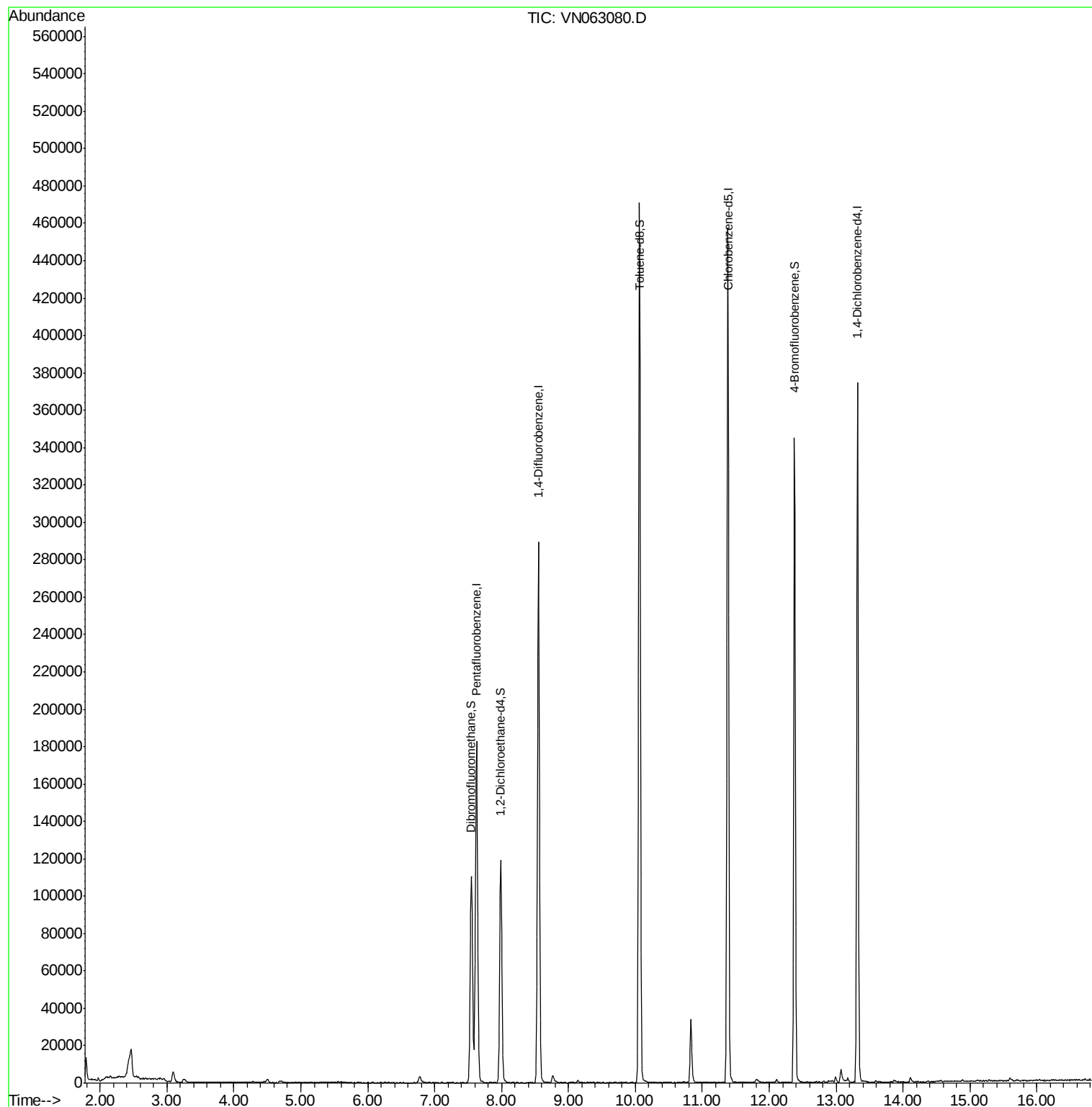
Target Compounds	Qvalue

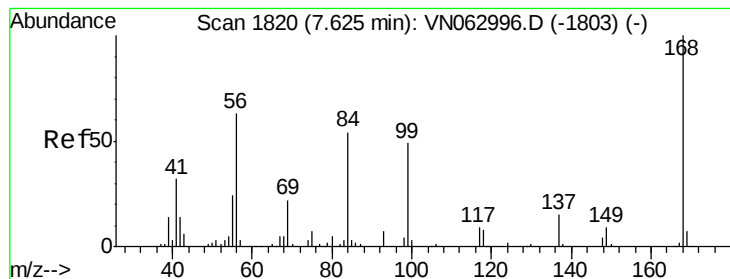
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VN063080.D

Acq: 21 Aug 2020 15:03

Instrument :

MSVOA_N

ClientSampled :

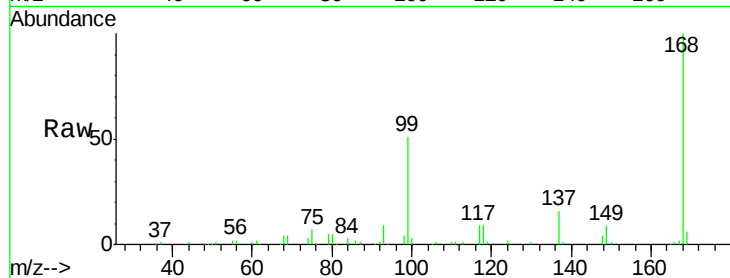
IBLK

Tot Ion:168 Resp: 153733

Ion Ratio Lower Upper

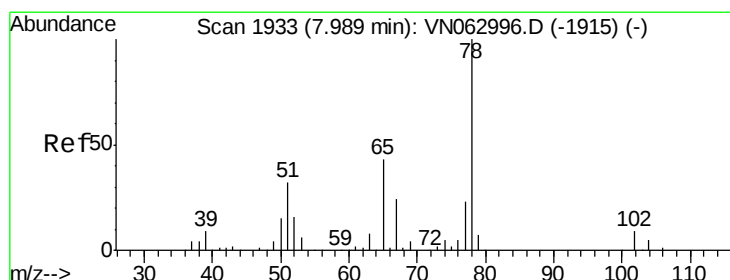
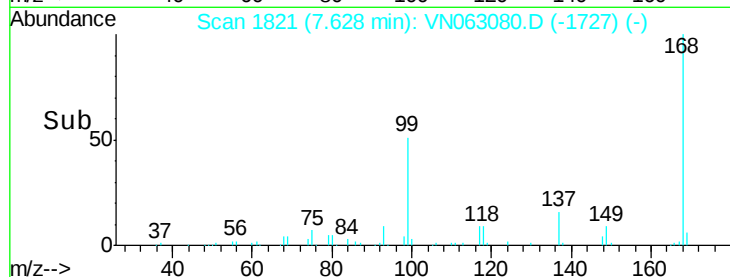
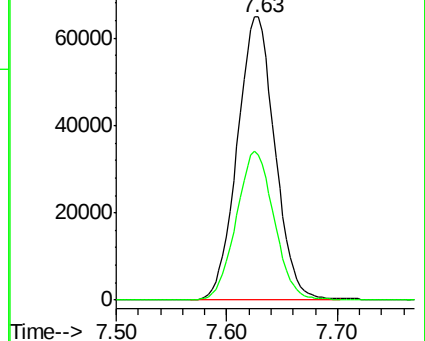
168 100

99 51.4 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#33

1,2-Dichloroethane-d4

Concen: 55.185 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. -0.00 min

Lab File: VN063080.D

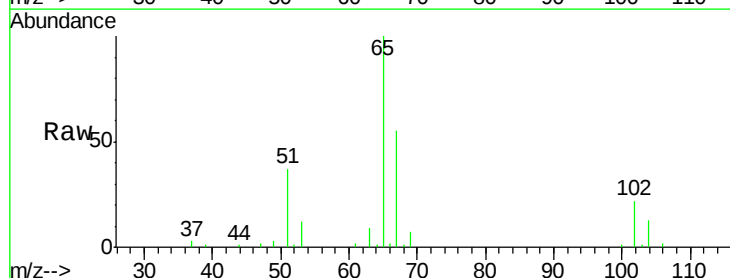
Acq: 21 Aug 2020 15:03

Tgt Ion: 65 Resp: 100549

Ion Ratio Lower Upper

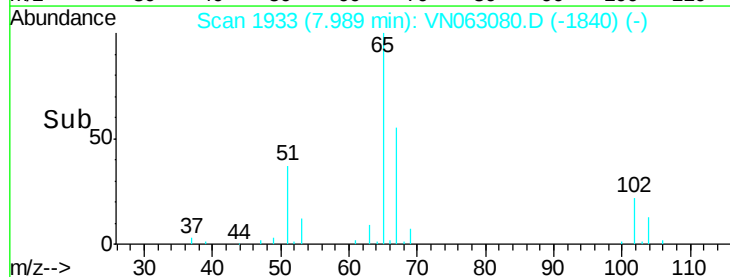
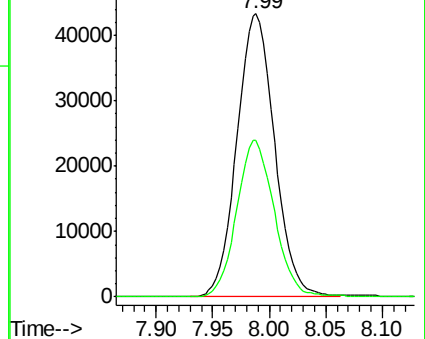
65 100

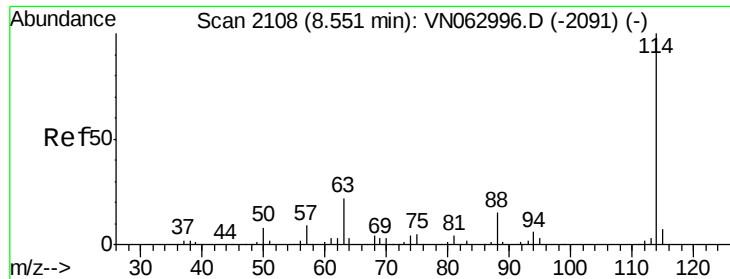
67 55.1 0.0 112.0



Abundance Ion 64.90 (64.60 to 65.60): VNO

Ion 66.90 (66.60 to 67.60): VNO

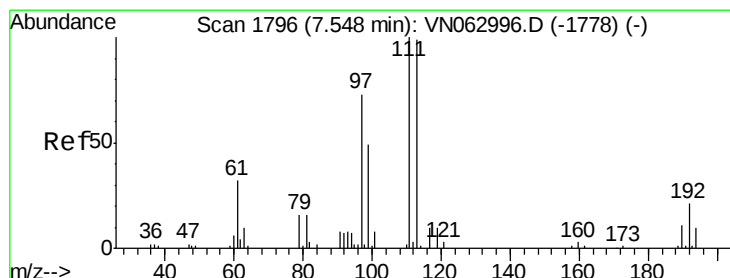
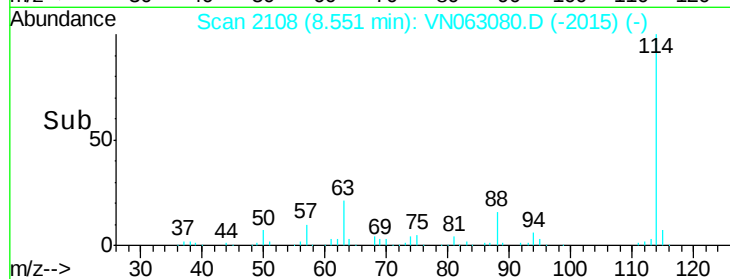
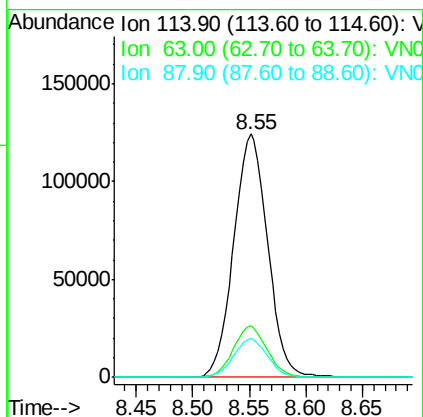
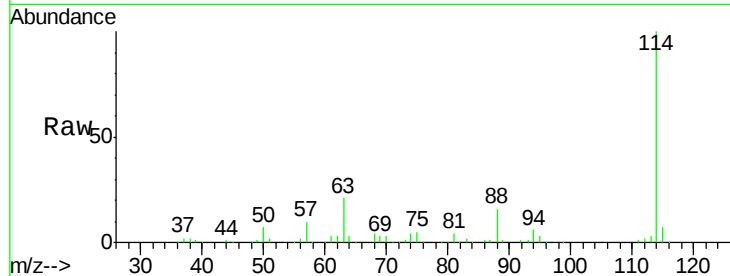




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN063080.D
 Acq: 21 Aug 2020 15:03

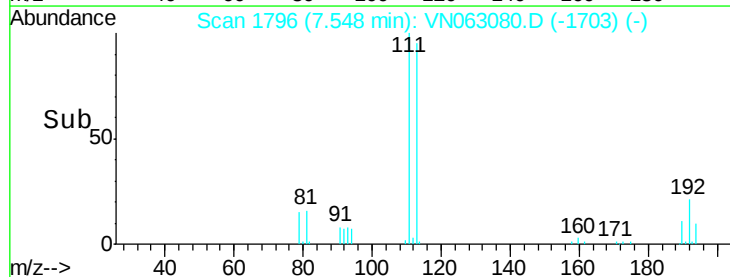
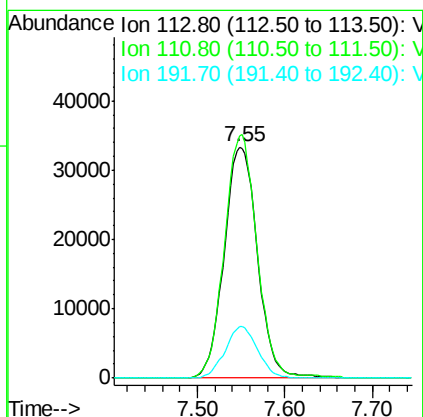
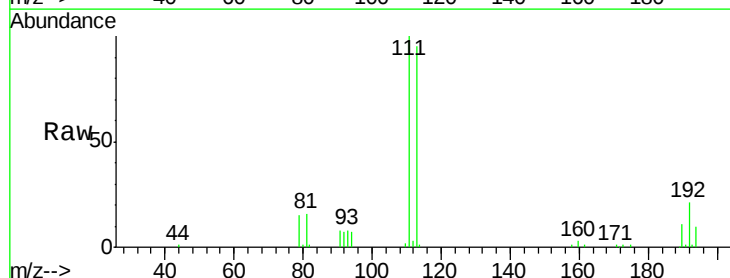
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

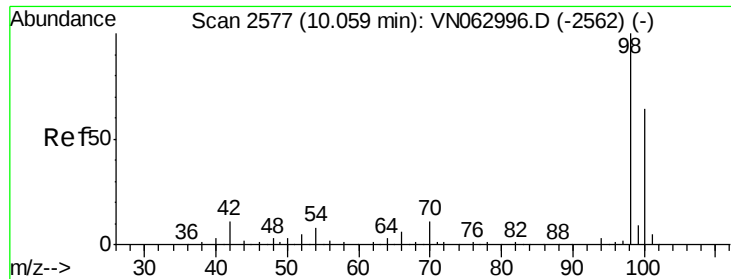
Tot Ion:114 Resp: 259923
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 43.2
 88 15.7 0.0 30.6



#35
 Dibromofluoromethane
 Concen: 51.942 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN063080.D
 Acq: 21 Aug 2020 15:03

Tgt Ion:113 Resp: 87971
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.7 122.5
 192 21.8 17.5 26.3





#50

Toluene-d8

Concen: 51.007 ug/l

RT: 10.06 min Scan# 2578

Delta R.T. 0.00 min

Lab File: VN063080.D

Acq: 21 Aug 2020 15:03

Instrument :

MSVOA_N

ClientSampled :

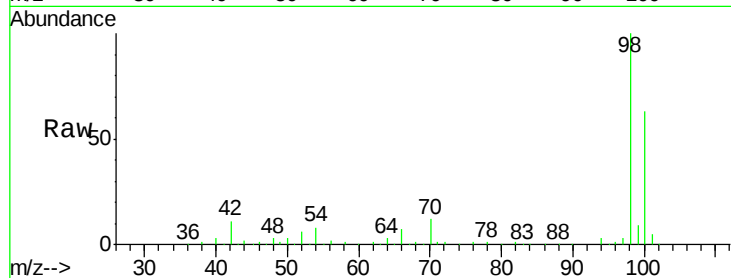
IBLK

Tot Ion: 98 Resp: 331818

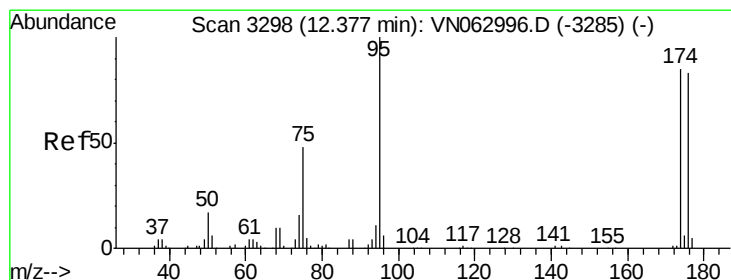
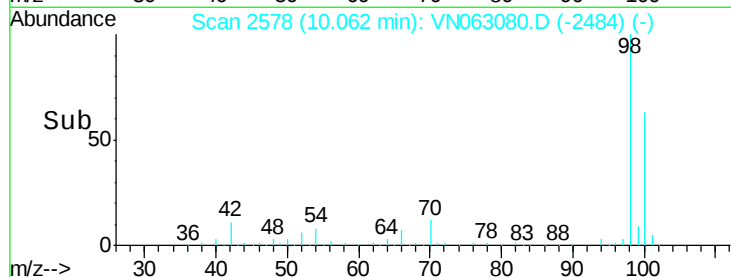
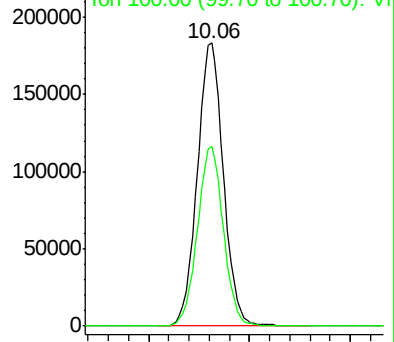
Ion Ratio Lower Upper

98 100

100 62.9 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN062996.D (-2562) (-)



#62

4-Bromofluorobenzene

Concen: 51.763 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN063080.D

Acq: 21 Aug 2020 15:03

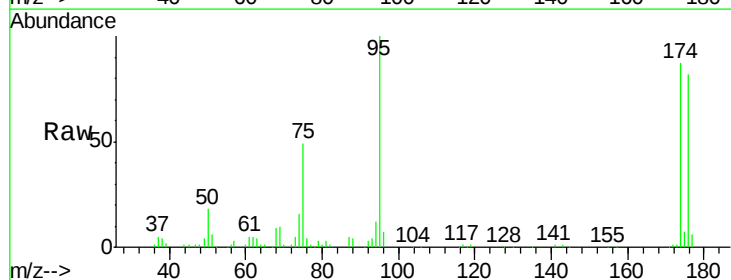
Tgt Ion: 95 Resp: 118829

Ion Ratio Lower Upper

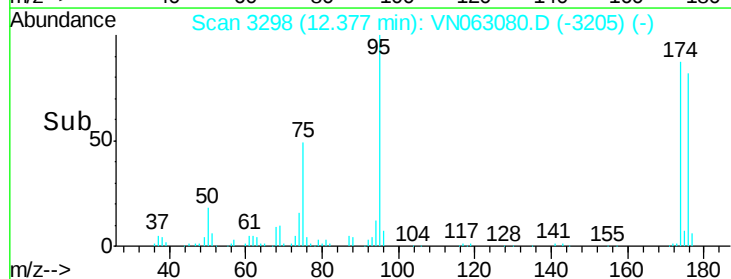
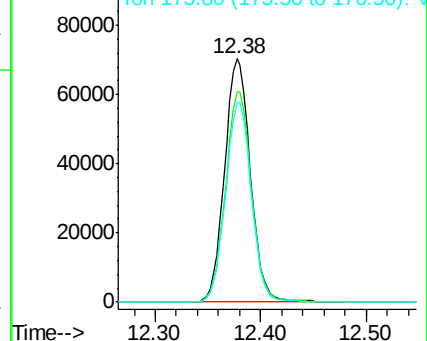
95 100

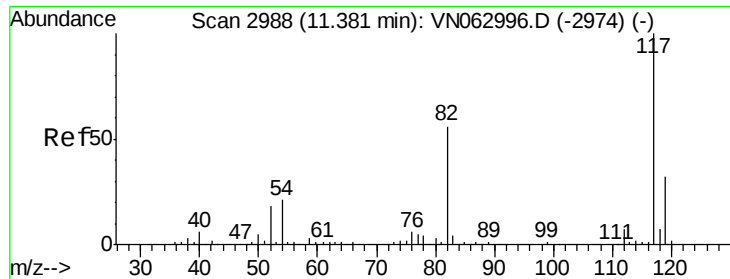
174 87.2 0.0 170.8

176 82.1 0.0 164.8



Abundance Ion 94.90 (94.60 to 95.60): VN062996.D (-3285) (-)





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN063080.D

Acq: 21 Aug 2020 15:03

Instrument :

MSVOA_N

ClientSampled :

IBLK

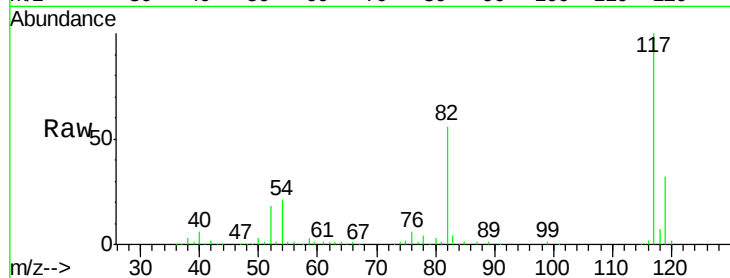
Tot Ion:117 Resp: 270286

Ion Ratio Lower Upper

117 100

82 56.0 44.5 66.7

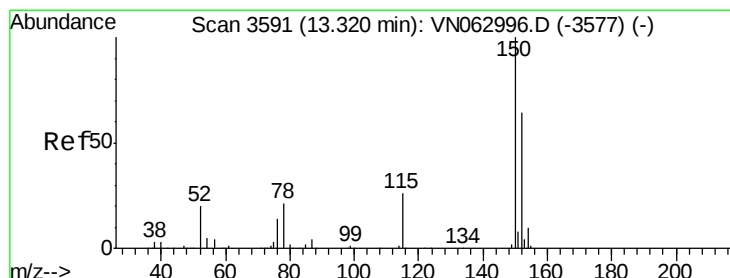
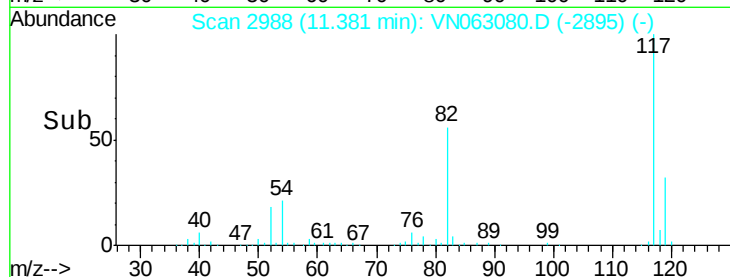
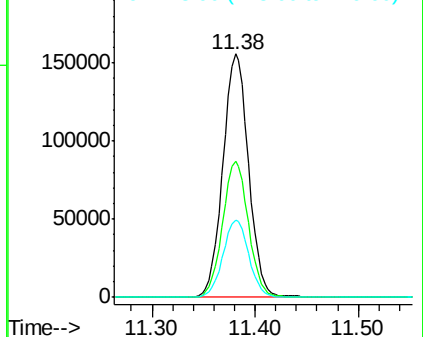
119 31.7 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. -0.00 min

Lab File: VN063080.D

Acq: 21 Aug 2020 15:03

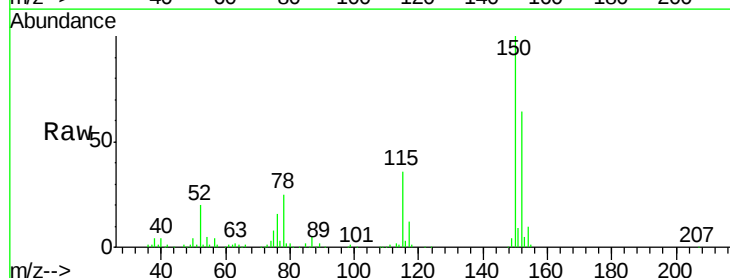
Tgt Ion:152 Resp: 105512

Ion Ratio Lower Upper

152 100

115 56.0 28.7 86.3

150 156.0 0.0 348.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

