

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121319\
 Data File : VN059590.D
 Acq On : 13 Dec 2019 17:50
 Operator : JC/SP
 Sample : IBLK
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Dec 13 23:28:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 23:17:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	260154	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	425449	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	373851	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	155591	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	192825	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	
35) Dibromofluoromethane	7.57	113	131184	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	
50) Toluene-d8	10.08	98	510437	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	
62) 4-Bromofluorobenzene	12.40	95	173564	45.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.26%	

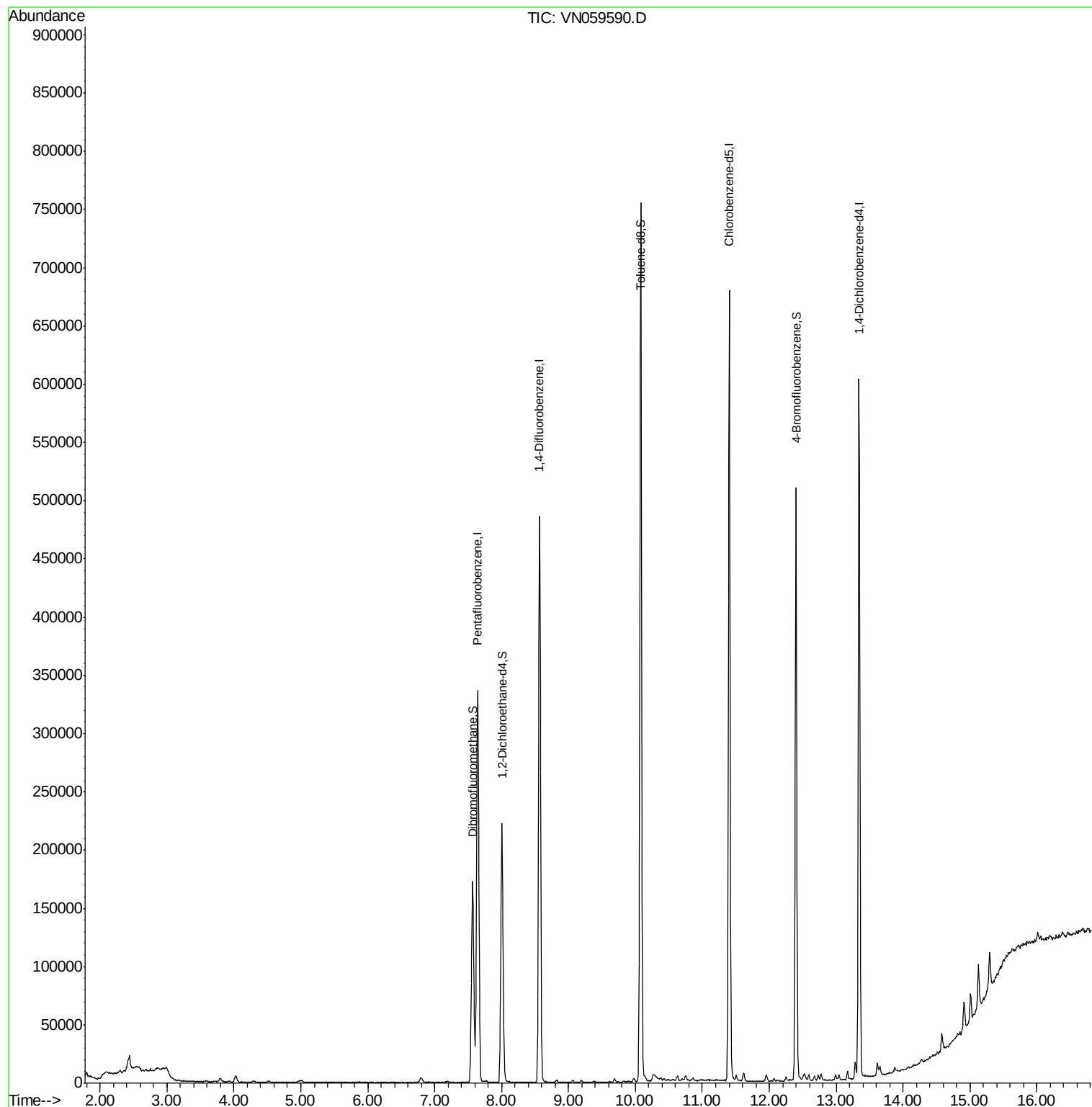
Target Compounds	Qvalue

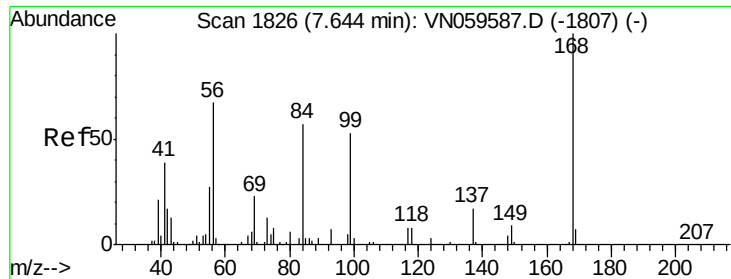
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Dec 13 23:17:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059590.D

Acq: 13 Dec 2019 17:50

Instrument :

MSVOA_N

ClientSampleId :

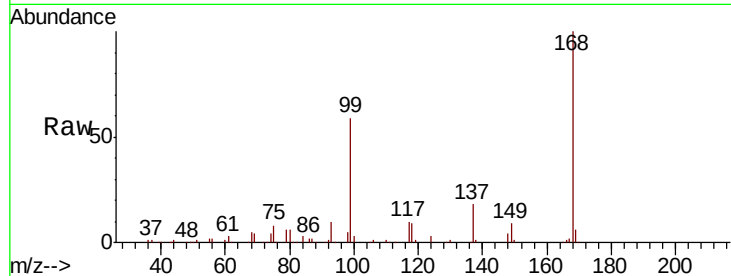
IBLK

Tot Ion:168 Resp: 260154

Ion Ratio Lower Upper

168 100

99 59.5 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

120000

100000

80000

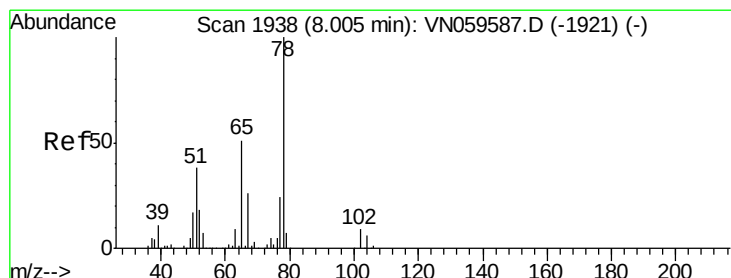
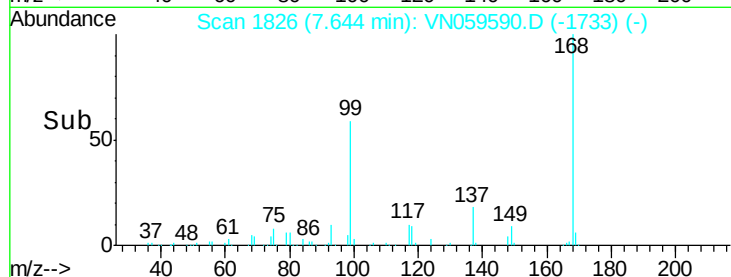
60000

40000

20000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 50.936 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN059590.D

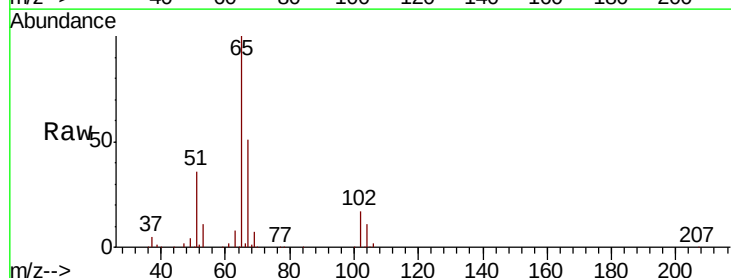
Acq: 13 Dec 2019 17:50

Tgt Ion: 65 Resp: 192825

Ion Ratio Lower Upper

65 100

67 51.6 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VN

Ion 66.90 (66.60 to 67.60): VN

8.00

100000

80000

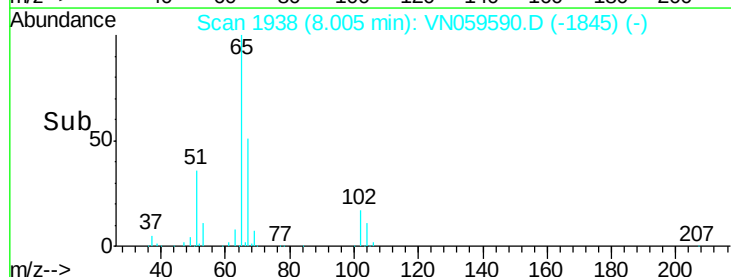
60000

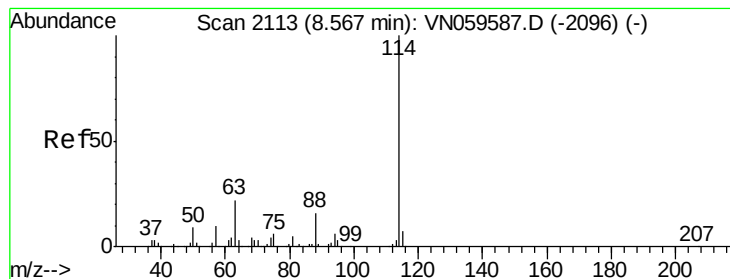
40000

20000

0

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN059590.D

Acq: 13 Dec 2019 17:50

Instrument :

MSVOA_N

ClientSampled :

IBLK

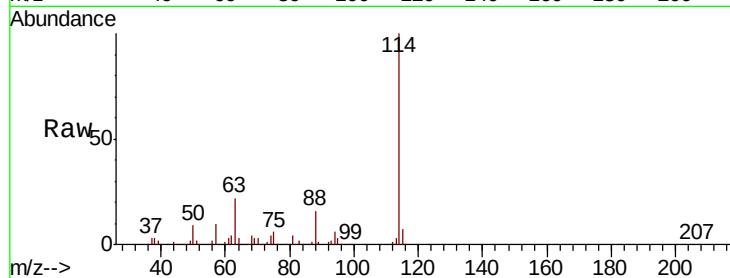
Tot Ion:114 Resp: 425449

Ion Ratio Lower Upper

114 100

63 22.2 0.0 43.6

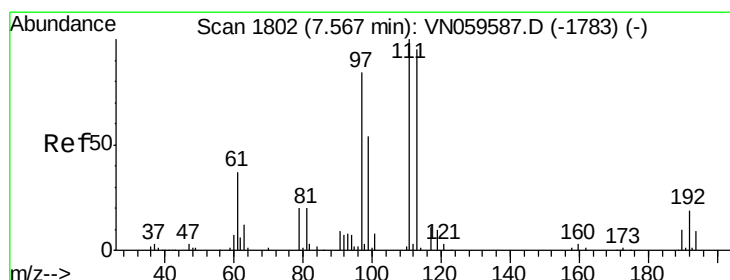
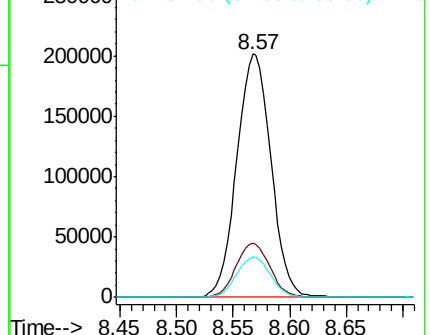
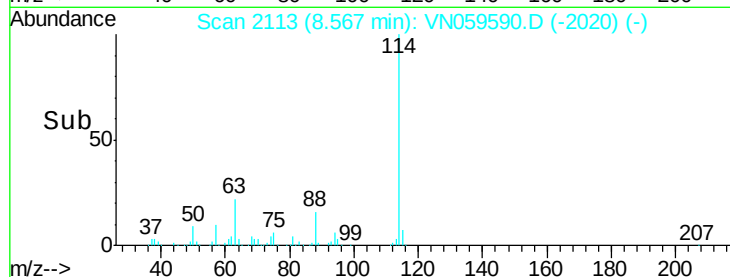
88 16.4 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 49.281 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN059590.D

Acq: 13 Dec 2019 17:50

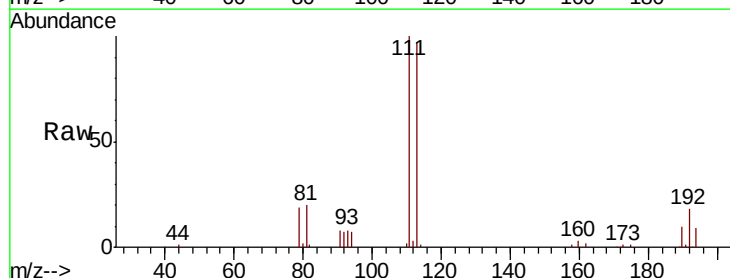
Tgt Ion:113 Resp: 131184

Ion Ratio Lower Upper

113 100

111 103.4 83.5 125.3

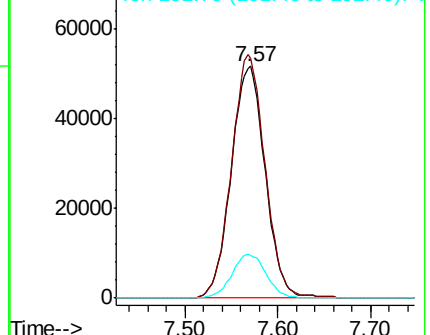
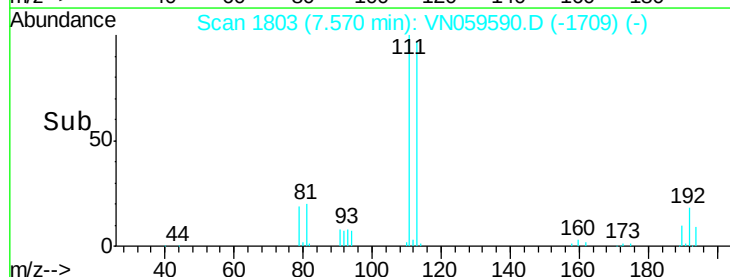
192 19.0 15.4 23.2

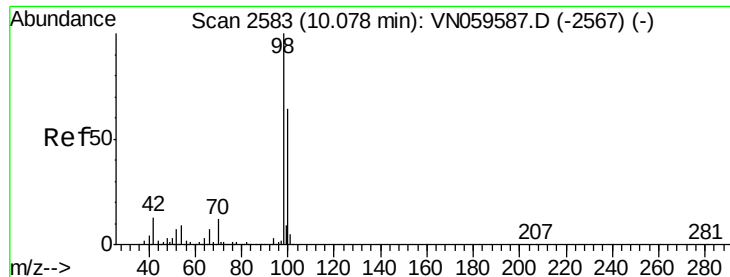


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 48.432 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN059590.D

Acq: 13 Dec 2019 17:50

Instrument :

MSVOA_N

ClientSampled :

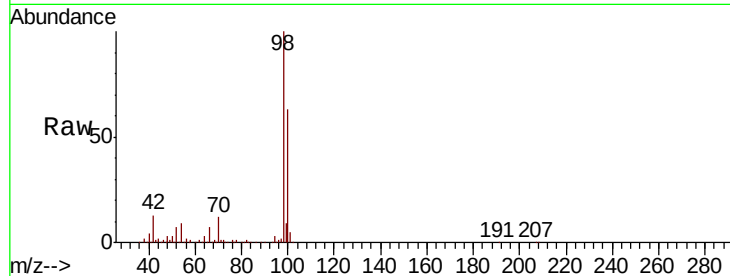
IBLK

Tot Ion: 98 Resp: 510437

Ion Ratio Lower Upper

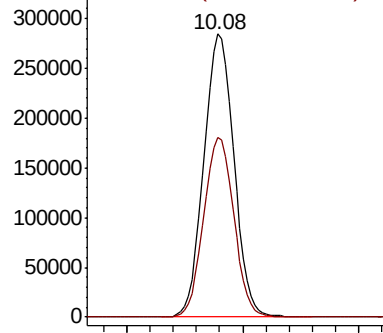
98 100

100 63.6 51.2 76.8

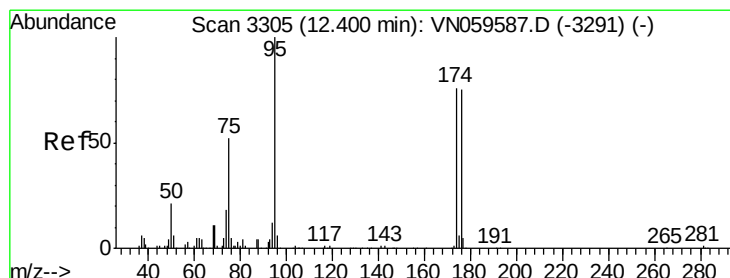
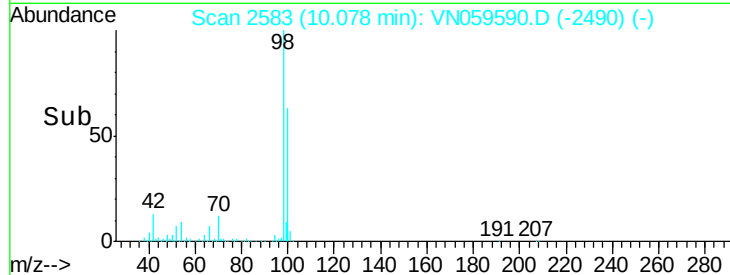


Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



Time-->



#62

4-Bromofluorobenzene

Concen: 45.133 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059590.D

Acq: 13 Dec 2019 17:50

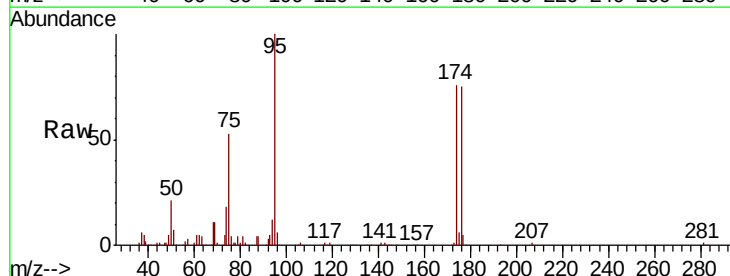
Tgt Ion: 95 Resp: 173564

Ion Ratio Lower Upper

95 100

174 75.9 0.0 151.4

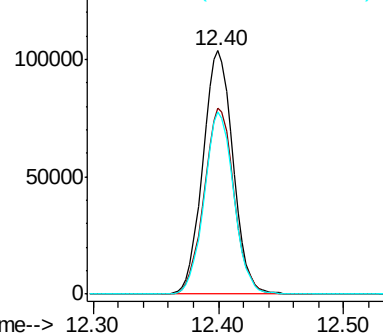
176 73.2 0.0 146.0



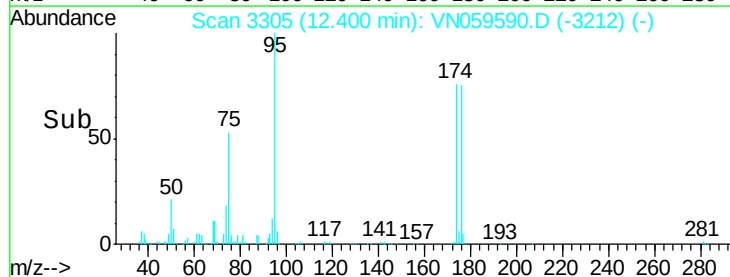
Abundance Ion 94.90 (94.60 to 95.60): VN0

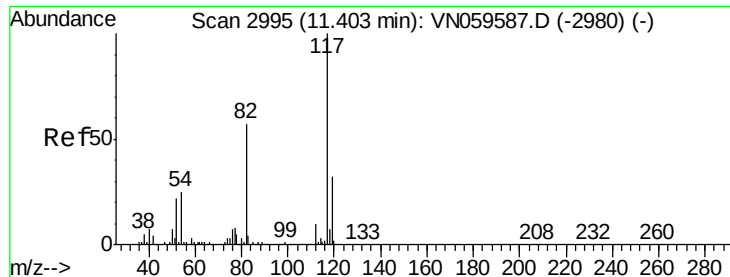
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059590.D

Acq: 13 Dec 2019 17:50

Instrument :

MSVOA_N

ClientSampled :

IBLK

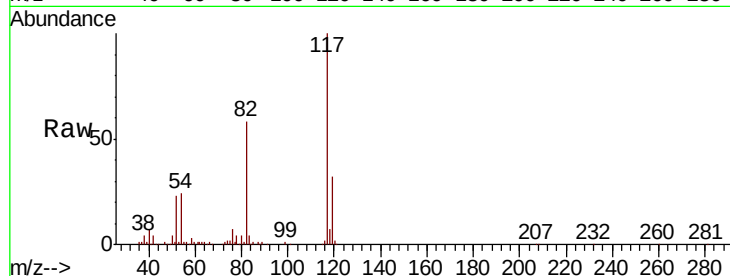
Tot Ion:117 Resp: 373851

Ion Ratio Lower Upper

117 100

82 57.9 45.9 68.9

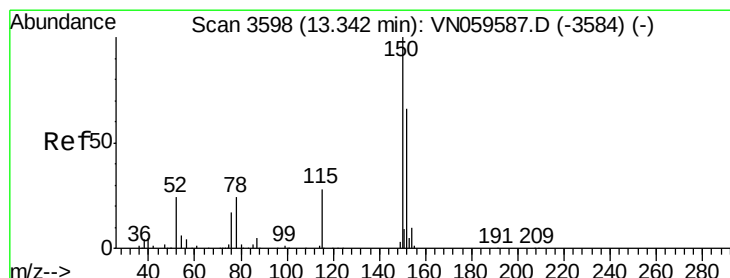
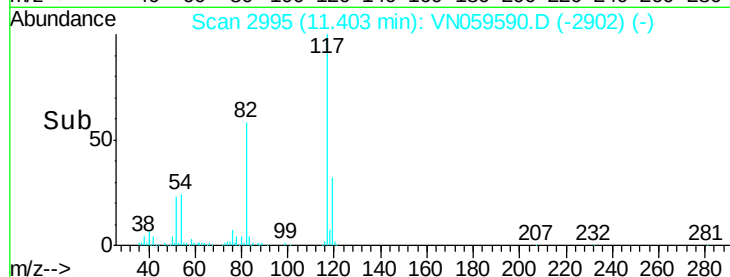
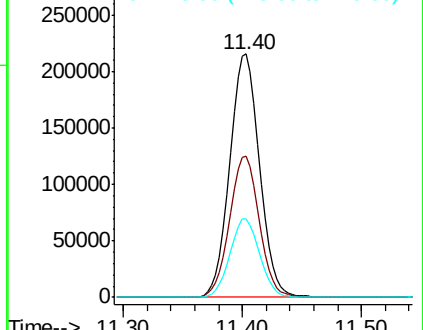
119 32.1 25.5 38.3



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: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN059590.D

Acq: 13 Dec 2019 17:50

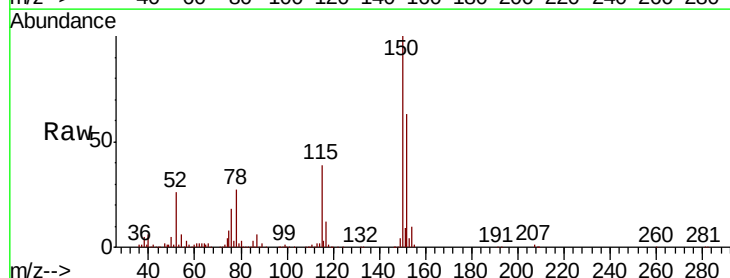
Tgt Ion:152 Resp: 155591

Ion Ratio Lower Upper

152 100

115 60.8 30.3 90.9

150 158.4 0.0 345.2



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

