

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111919\
 Data File : VN059307.D
 Acq On : 19 Nov 2019 15:29
 Operator : JC/SP
 Sample : IBLK
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Nov 20 07:13:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	365677	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	563541	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	480797	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	167919	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	215199	47.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.74%	
35) Dibromofluoromethane	7.57	113	169272	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	
50) Toluene-d8	10.08	98	671678	50.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.36%	
62) 4-Bromofluorobenzene	12.40	95	212397	44.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.88%	

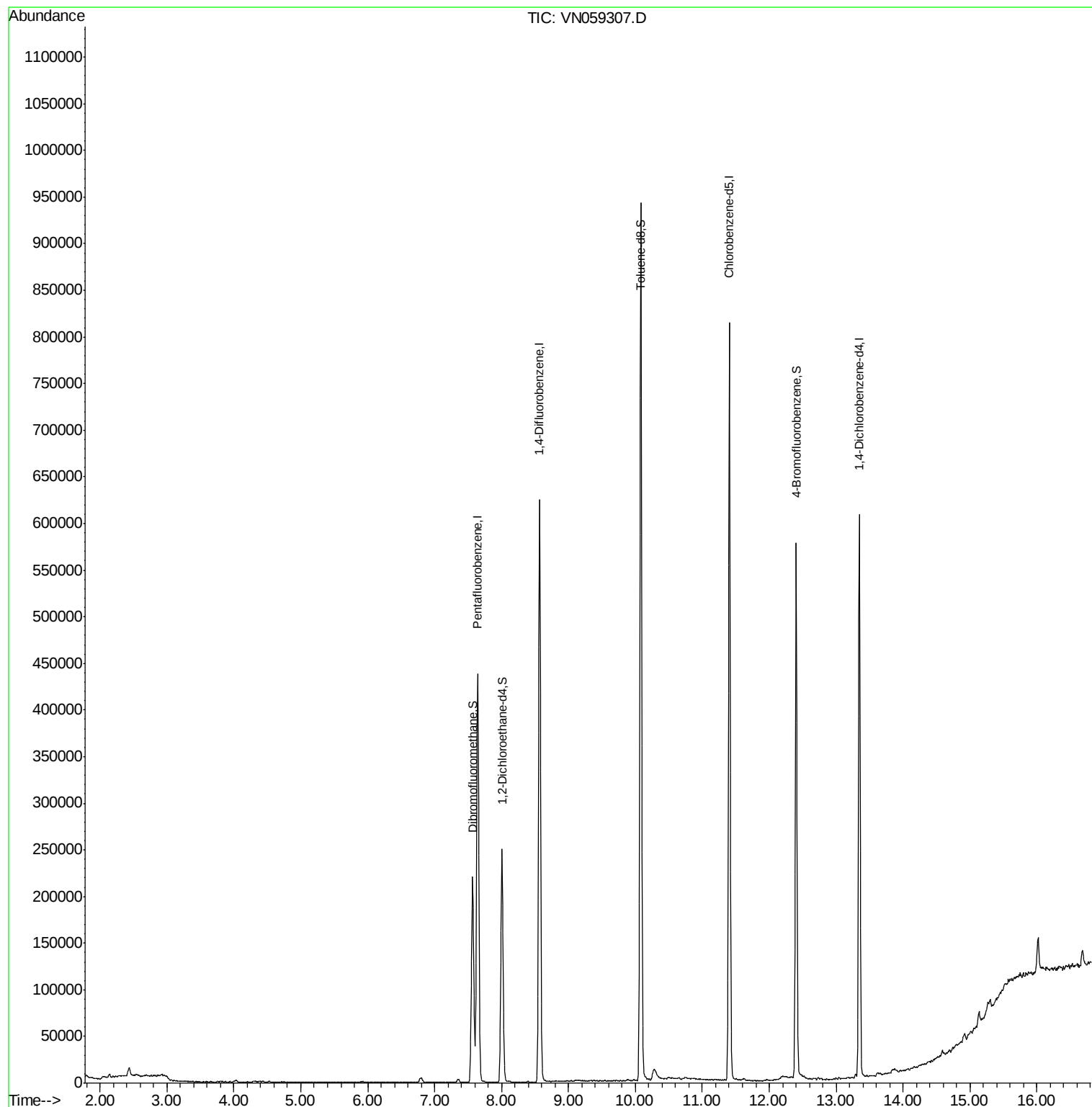
Target Compounds	Qvalue

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

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QLast Update : Thu Nov 07 04:00:41 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059307.D

Acq: 19 Nov 2019 15:29

Instrument :

MSVOA_N

ClientSampleId :

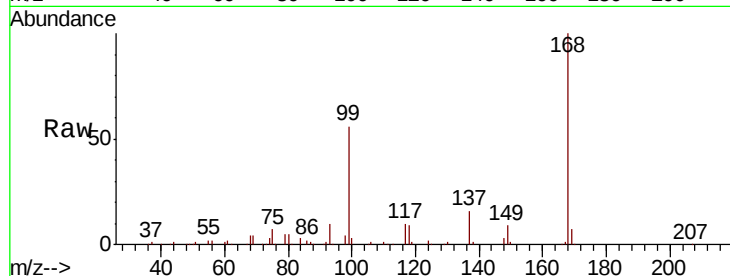
IBLK

Tot Ion:168 Resp: 365677

Ion Ratio Lower Upper

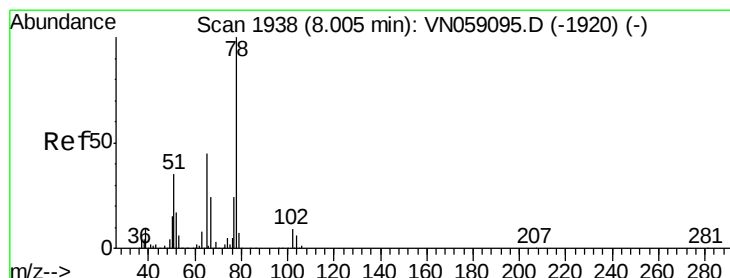
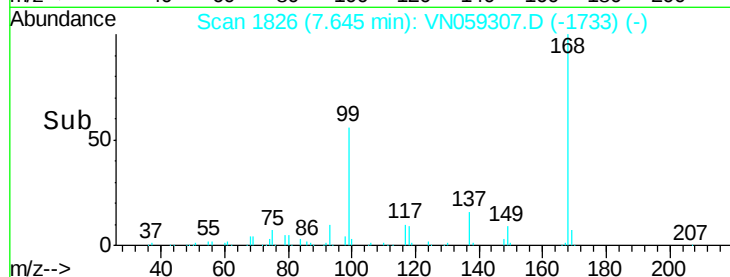
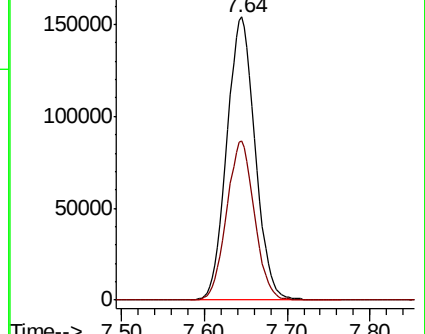
168 100

99 56.4 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#33

1,2-Dichloroethane-d4

Concen: 47.874 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN059307.D

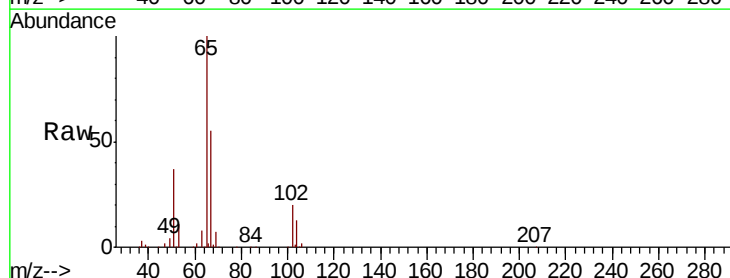
Acq: 19 Nov 2019 15:29

Tgt Ion: 65 Resp: 215199

Ion Ratio Lower Upper

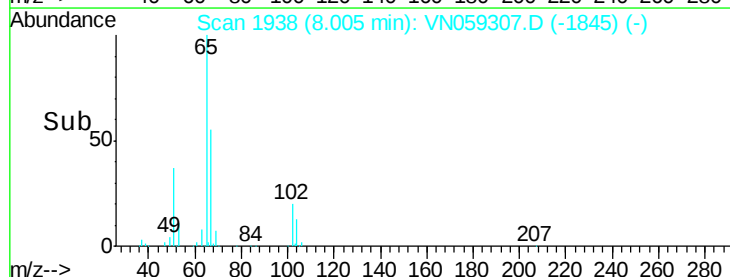
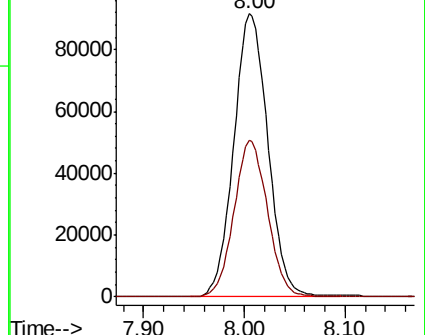
65 100

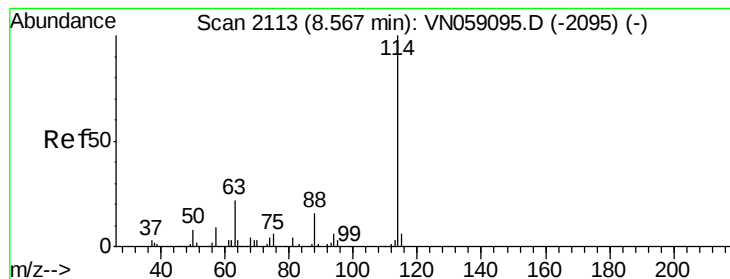
67 54.3 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VN

Ion 66.90 (66.60 to 67.60): VN





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VN059307.D

Acq: 19 Nov 2019 15:29

Instrument :

MSVOA_N

ClientSampleId :

IBLK

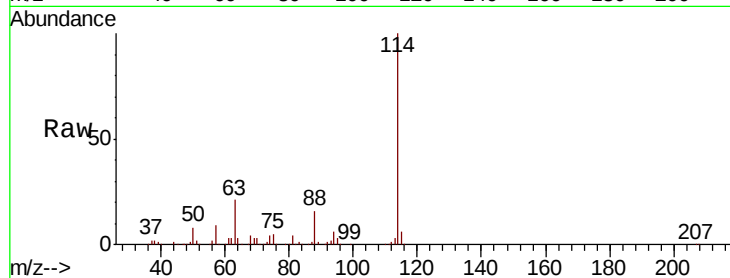
Tot Ion:114 Resp: 563541

Ion Ratio Lower Upper

114 100

63 21.1 0.0 43.4

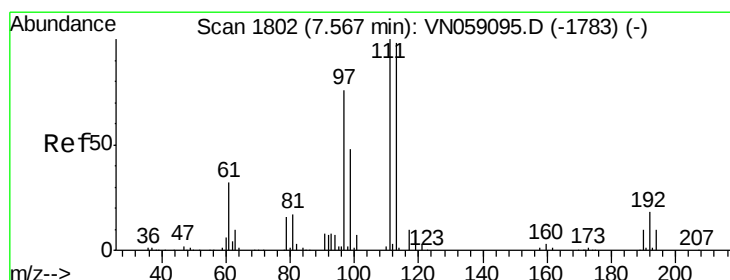
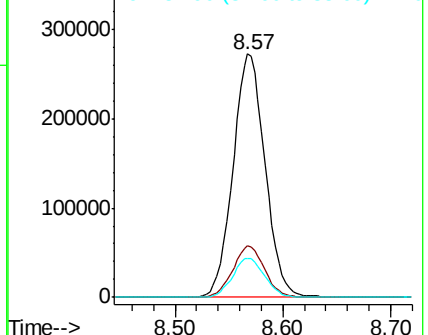
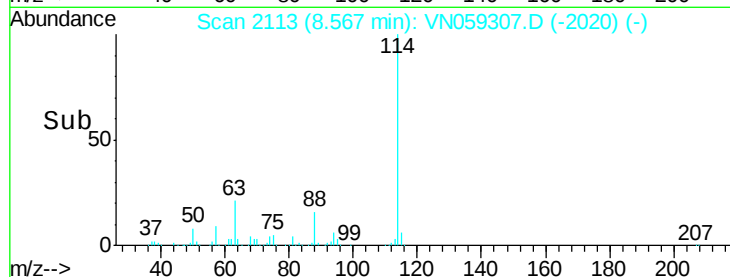
88 16.1 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 50.305 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN059307.D

Acq: 19 Nov 2019 15:29

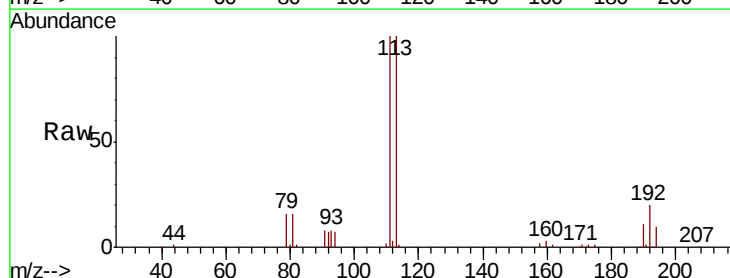
Tgt Ion:113 Resp: 169272

Ion Ratio Lower Upper

113 100

111 102.9 82.8 124.2

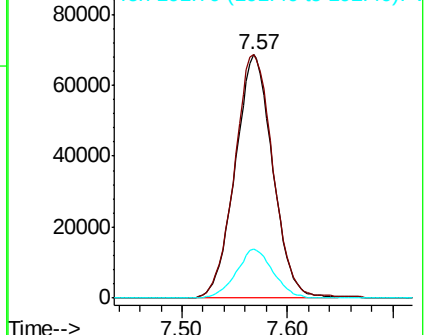
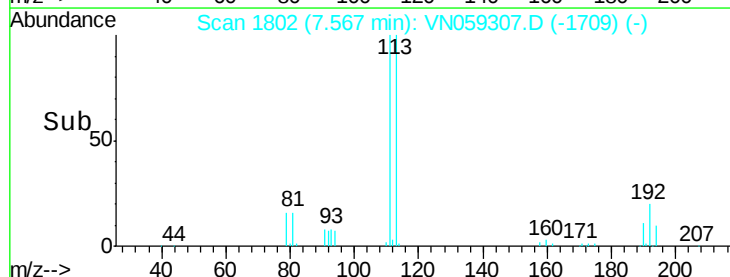
192 19.9 16.1 24.1

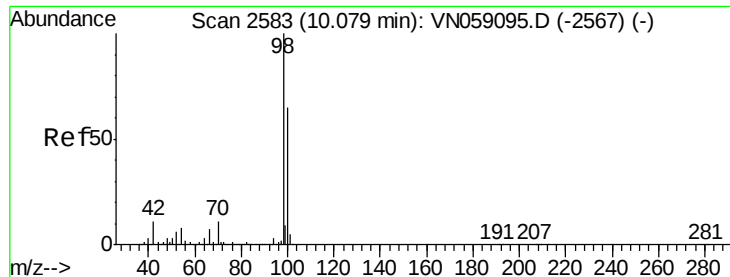


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 50.677 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN059307.D

Acq: 19 Nov 2019 15:29

Instrument :

MSVOA_N

ClientSampleId :

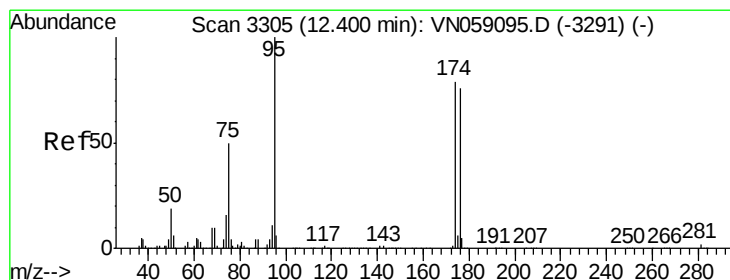
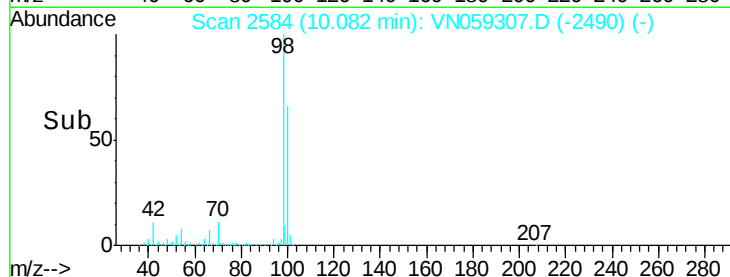
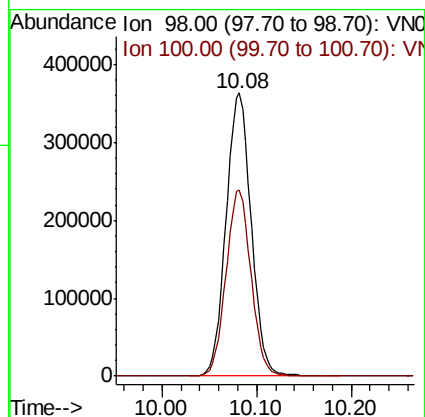
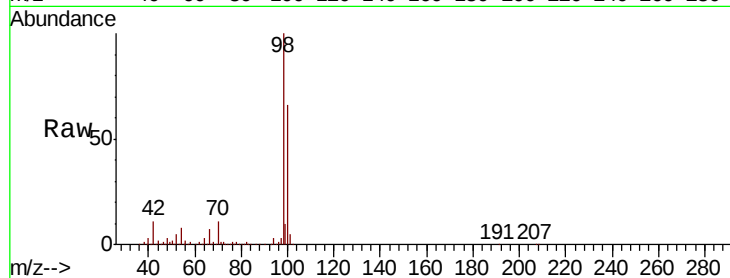
IBLK

Tot Ion: 98 Resp: 671678

Ion Ratio Lower Upper

98 100

100 65.4 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 44.445 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059307.D

Acq: 19 Nov 2019 15:29

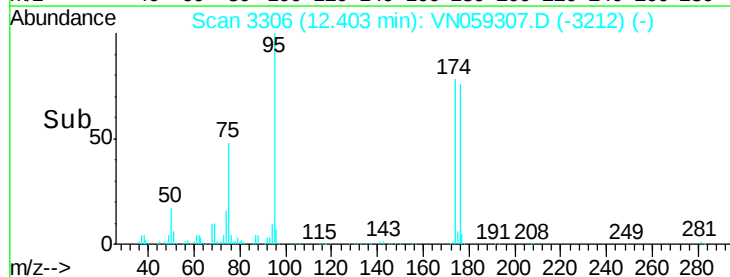
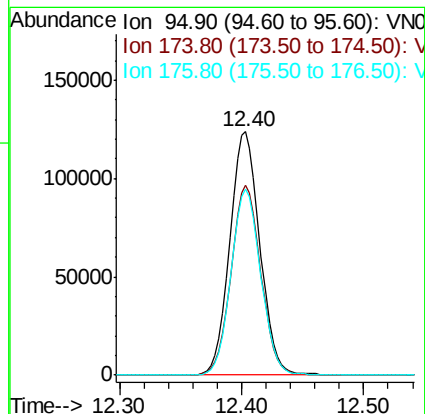
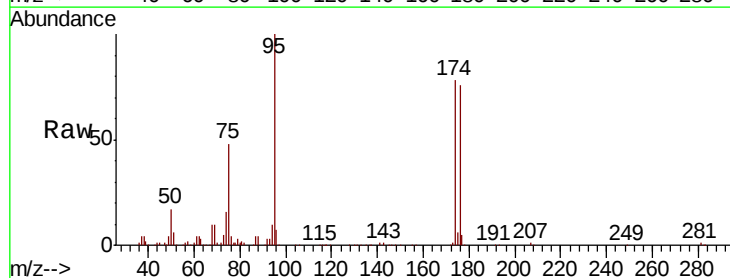
Tgt Ion: 95 Resp: 212397

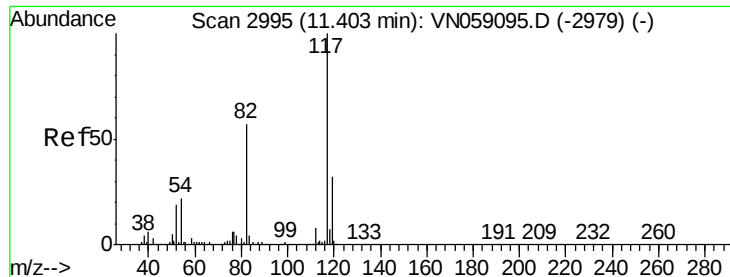
Ion Ratio Lower Upper

95 100

174 77.2 0.0 158.2

176 75.8 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. 0.00 min

Lab File: VN059307.D

Acq: 19 Nov 2019 15:29

Instrument :

MSVOA_N

ClientSampled :

IBLK

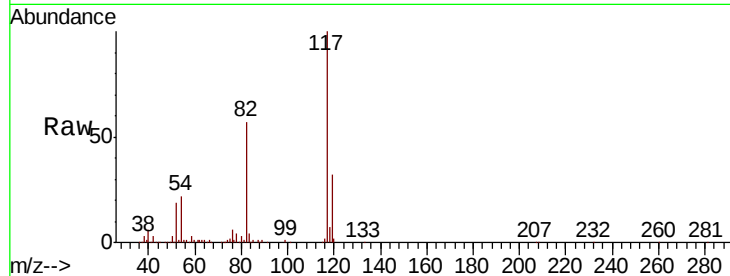
Tot Ion:117 Resp: 480797

Ion Ratio Lower Upper

117 100

82 57.2 45.8 68.8

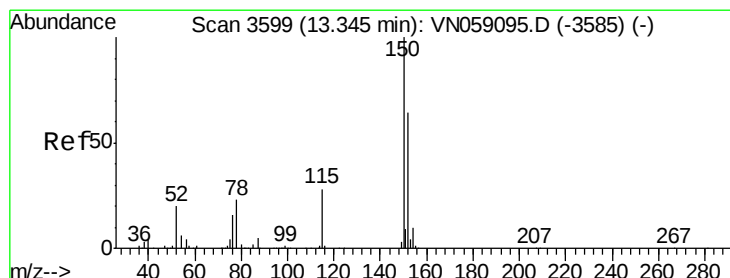
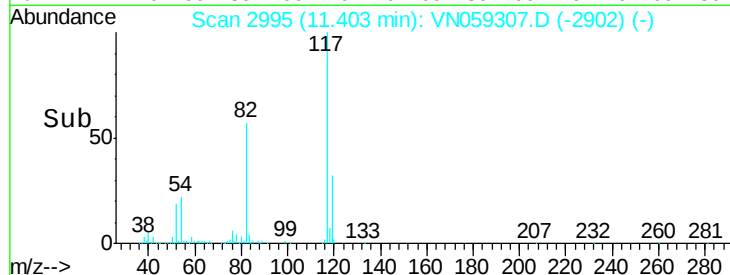
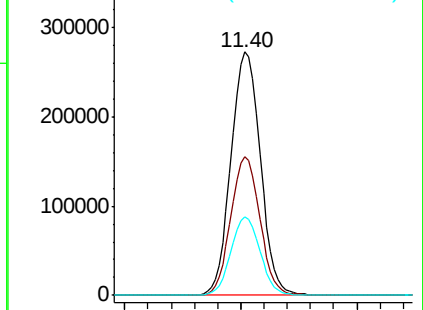
119 32.3 25.8 38.6



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: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN059307.D

Acq: 19 Nov 2019 15:29

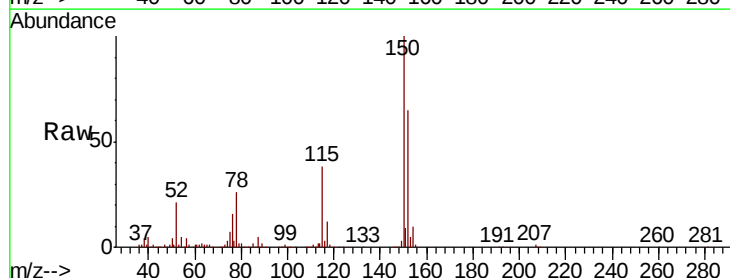
Tgt Ion:152 Resp: 167919

Ion Ratio Lower Upper

152 100

115 59.3 29.4 88.2

150 157.7 0.0 345.8



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

