

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111119\
 Data File : VN059173.D
 Acq On : 11 Nov 2019 19:42
 Operator : JC/SP
 Sample : K5760-11
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RBR-30

Quant Time: Nov 12 04:11:19 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	429361	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	672704	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	597702	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	218751	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	280317	53.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.22%	
35) Dibromofluoromethane	7.57	113	212787	52.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.96%	
50) Toluene-d8	10.08	98	830412	52.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.98%	
62) 4-Bromofluorobenzene	12.40	95	268308	47.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.06%	

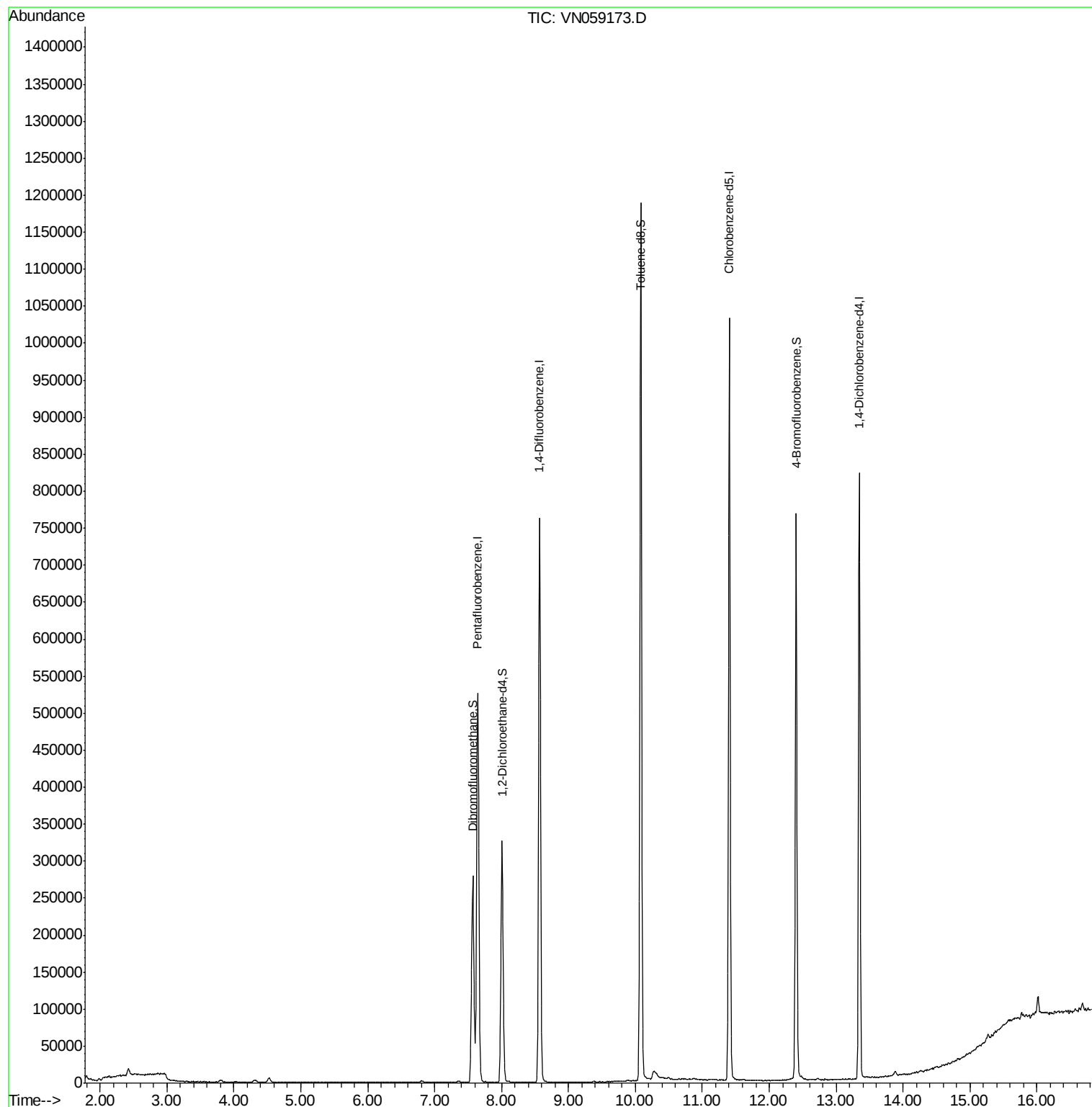
Target Compounds	Qvalue

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

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Quant Title : SW846 8260
QLast Update : Thu Nov 07 04:00:41 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: VN059173.D

Acq: 11 Nov 2019 19:42

Instrument :

MSVOA_N

ClientSampled :

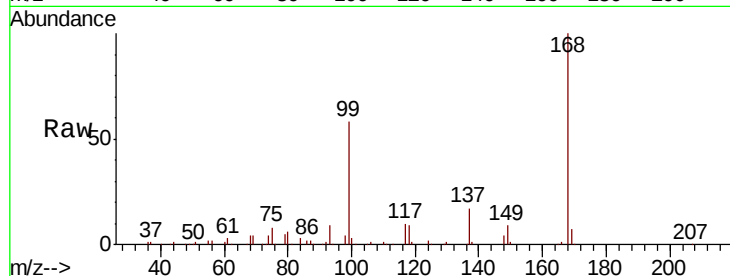
RBR-30

Tot Ion:168 Resp: 429361

Ion Ratio Lower Upper

168 100

99 58.1 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

200000

150000

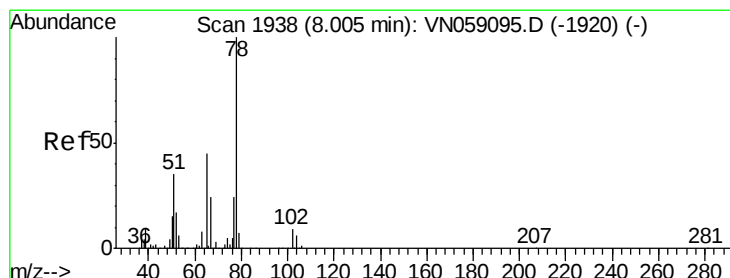
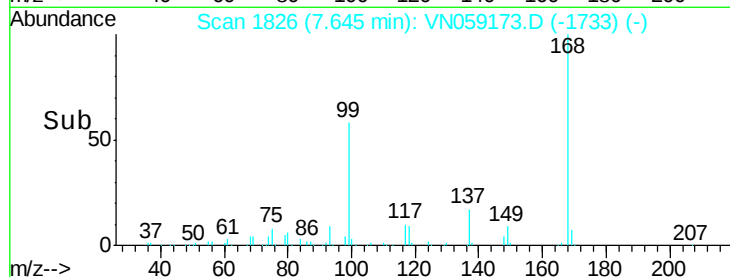
100000

50000

0

7.60 7.70

Time-->



#33

1,2-Dichloroethane-d4

Concen: 53.111 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN059173.D

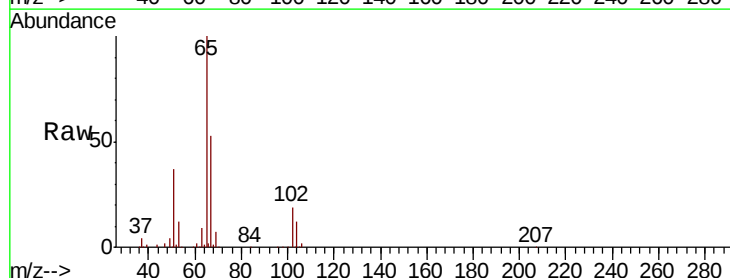
Acq: 11 Nov 2019 19:42

Tgt Ion: 65 Resp: 280317

Ion Ratio Lower Upper

65 100

67 52.7 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VN

Ion 66.90 (66.60 to 67.60): VN

8.00

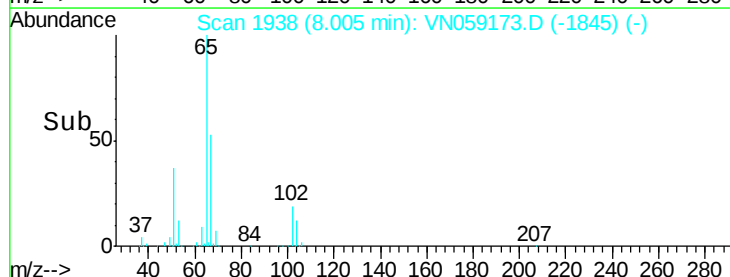
100000

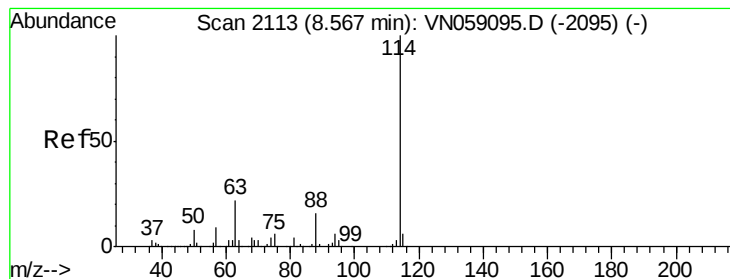
50000

0

7.90 8.00 8.10

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN059173.D

Acq: 11 Nov 2019 19:42

Instrument :

MSVOA_N

ClientSampleId :

RBR-30

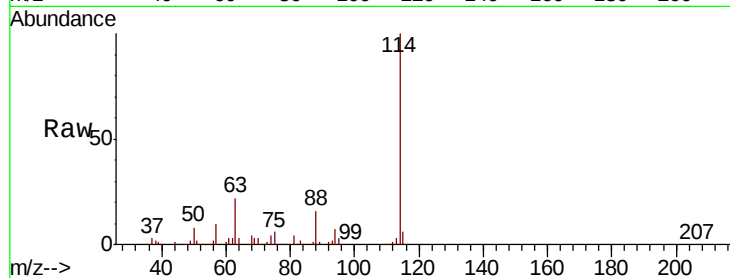
Tot Ion:114 Resp: 672704

Ion Ratio Lower Upper

114 100

63 21.9 0.0 43.4

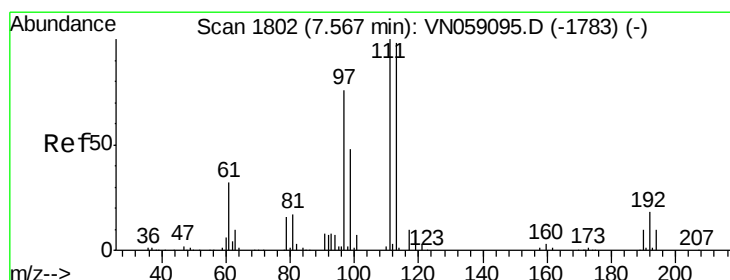
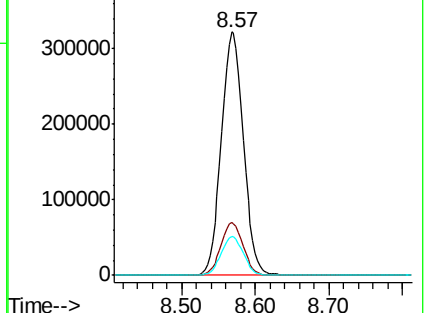
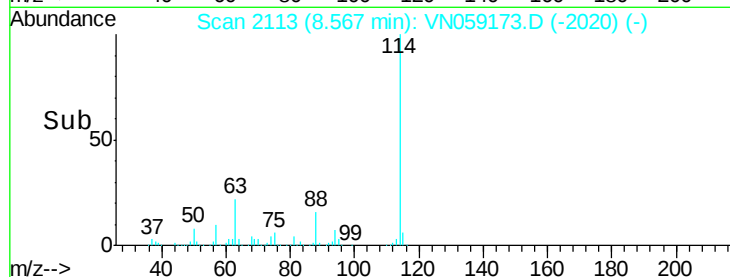
88 16.2 0.0 32.2



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: 52.976 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN059173.D

Acq: 11 Nov 2019 19:42

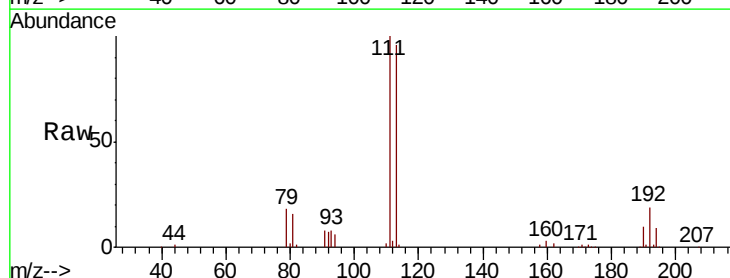
Tgt Ion:113 Resp: 212787

Ion Ratio Lower Upper

113 100

111 104.5 82.8 124.2

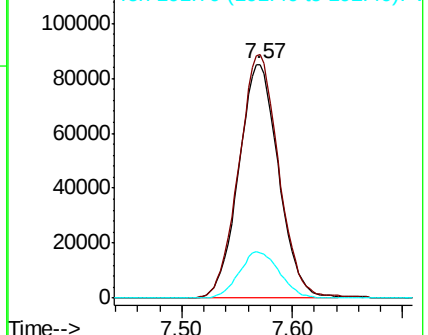
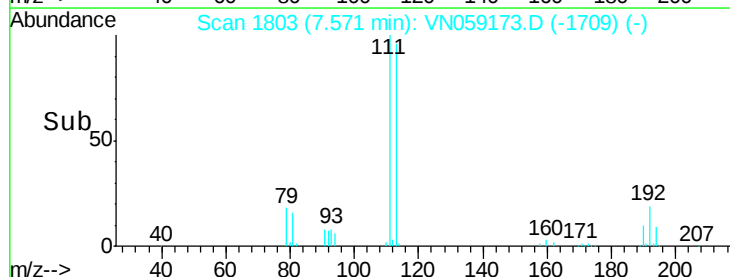
192 20.1 16.1 24.1

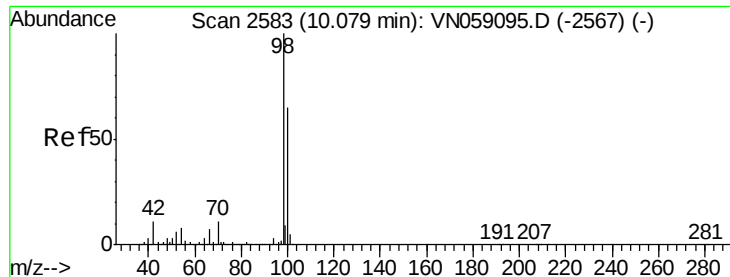


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 52.487 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN059173.D

Acq: 11 Nov 2019 19:42

Instrument :

MSVOA_N

ClientSampled :

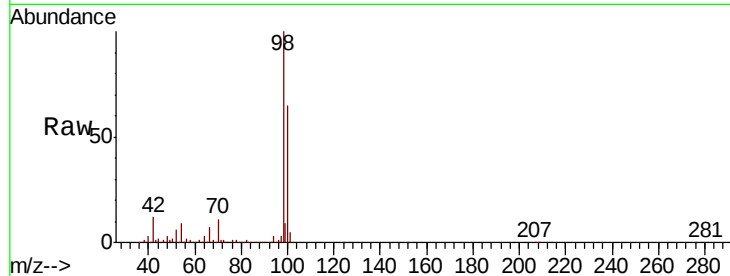
RBR-30

Tot Ion: 98 Resp: 830412

Ion Ratio Lower Upper

98 100

100 63.6 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN059173.D (-2490) (-)

Ion 100.00 (99.70 to 100.70): VN059173.D (-2490) (-)

10.08

500000

400000

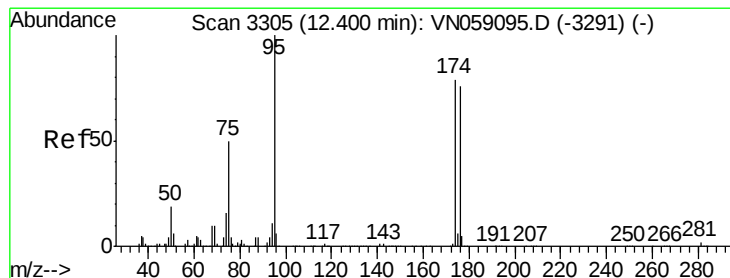
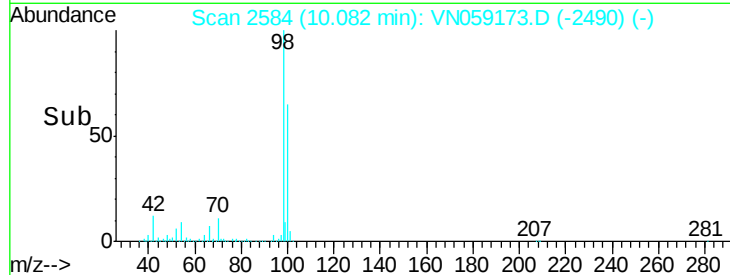
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 47.034 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059173.D

Acq: 11 Nov 2019 19:42

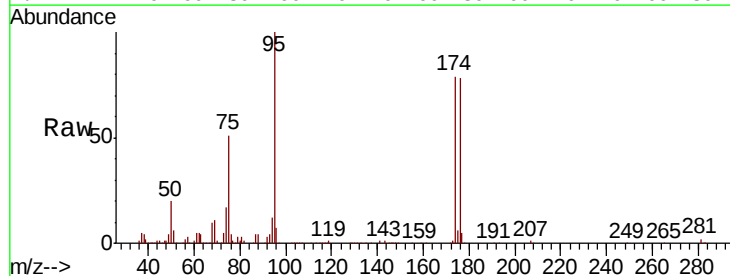
Tgt Ion: 95 Resp: 268308

Ion Ratio Lower Upper

95 100

174 78.2 0.0 158.2

176 75.8 0.0 151.8



Abundance Ion 94.90 (94.60 to 95.60): VN059173.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN059173.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN059173.D (-3212) (-)

200000

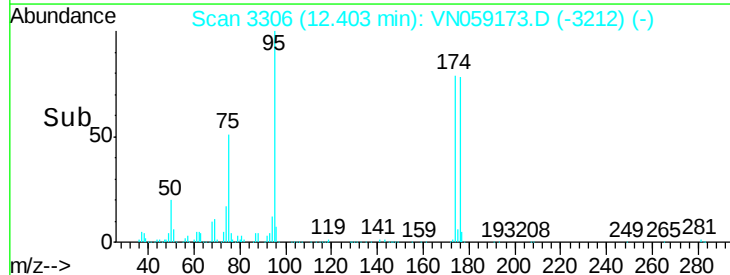
150000

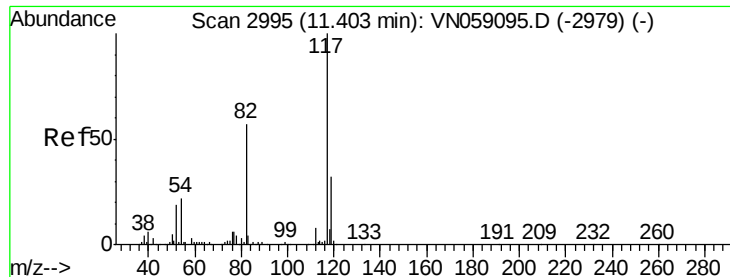
100000

50000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059173.D

Acq: 11 Nov 2019 19:42

Instrument :

MSVOA_N

ClientSampleId :

RBR-30

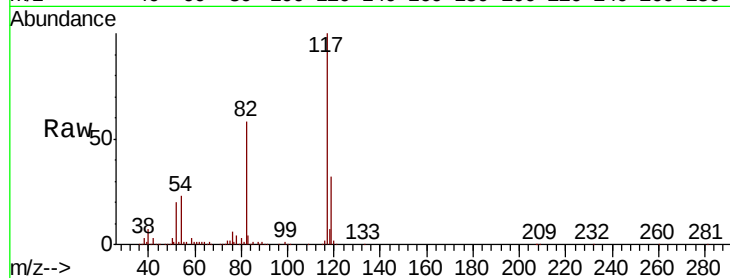
Tot Ion:117 Resp: 597702

Ion Ratio Lower Upper

117 100

82 57.6 45.8 68.8

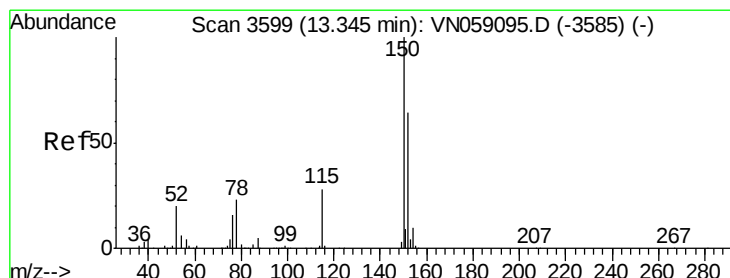
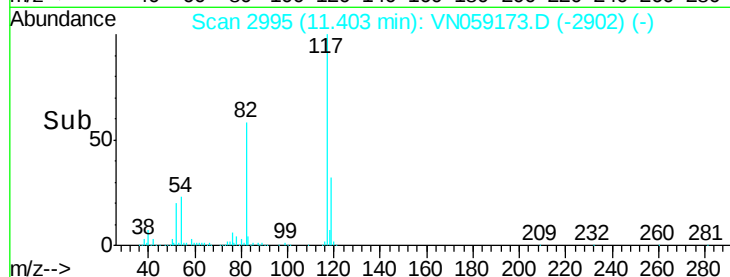
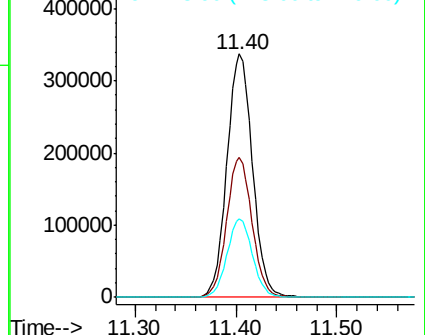
119 32.5 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

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: VN059173.D

Acq: 11 Nov 2019 19:42

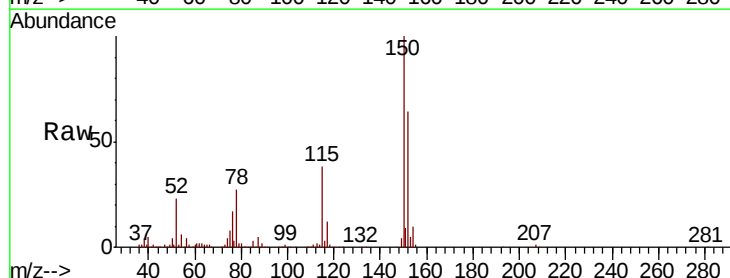
Tgt Ion:152 Resp: 218751

Ion Ratio Lower Upper

152 100

115 60.1 29.4 88.2

150 158.7 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

