

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061019\
 Data File : VN056177.D
 Acq On : 10 Jun 2019 18:18
 Operator : JC/SP
 Sample : K3280-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TT-SW4003-20190608

Quant Time: Jun 11 04:21:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	324148	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	492881	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	469409	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	137179	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	174474	54.21	ug/l	0.00
Spiked Amount						
			Recovery	=	108.42%	
35) Dibromofluoromethane	7.59	113	160093	52.94	ug/l	0.00
Spiked Amount						
			Recovery	=	105.88%	
50) Toluene-d8	10.09	98	630098	54.15	ug/l	0.00
Spiked Amount						
			Recovery	=	108.30%	
62) 4-Bromofluorobenzene	12.40	95	188025	47.51	ug/l	0.00
Spiked Amount						
			Recovery	=	95.02%	

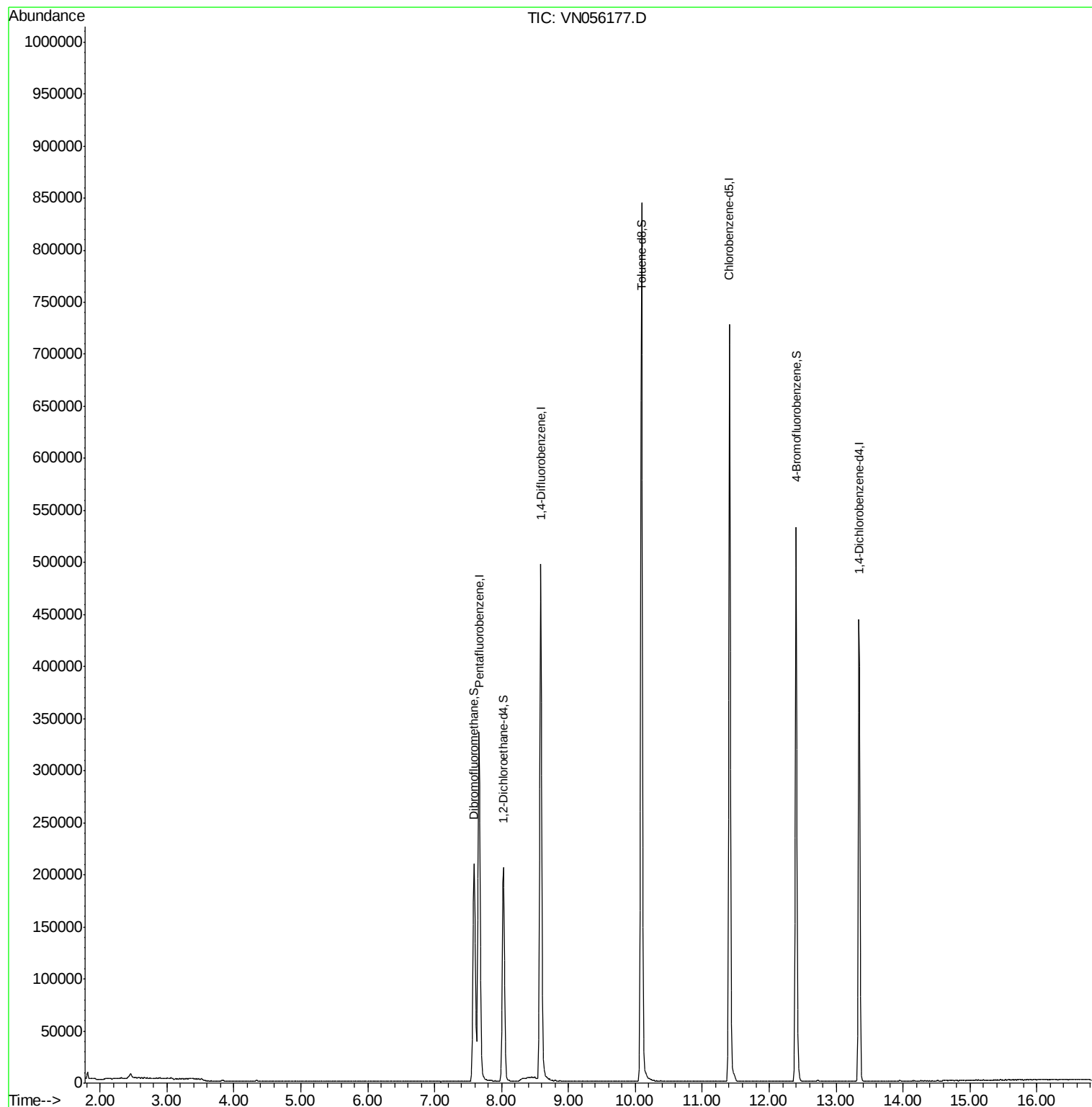
Target Compounds	Qvalue

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

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QLast Update : Tue Jun 04 11:02:09 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056177.D

Acq: 10 Jun 2019 18:18

Instrument :

MSVOA_N

ClientSampleId :

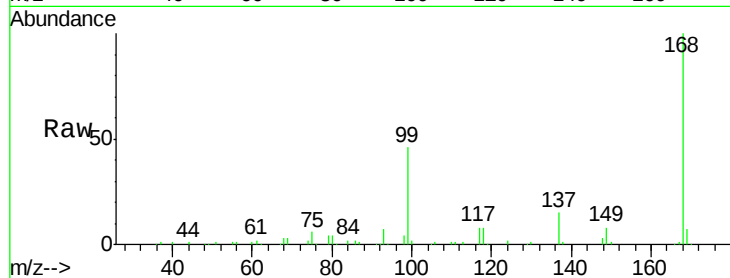
BP-TT-SW4003-20190608

Tot Ion:168 Resp: 324148

Ion Ratio Lower Upper

168 100

99 45.8 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

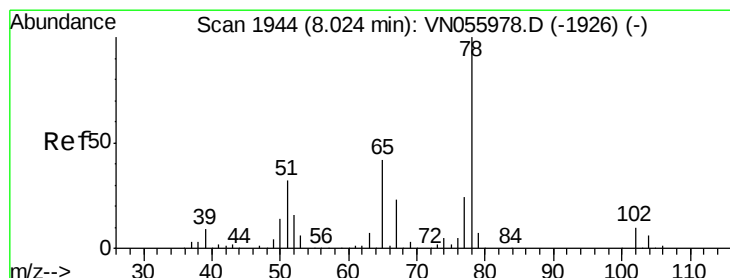
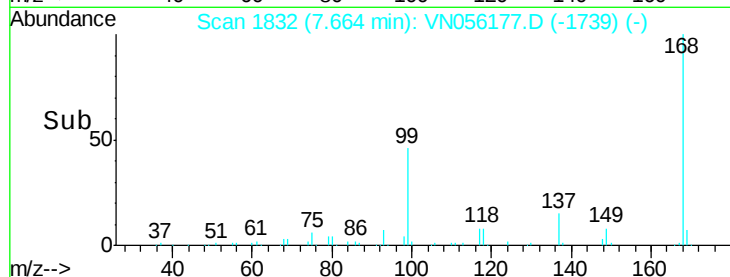
150000

100000

50000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 54.209 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN056177.D

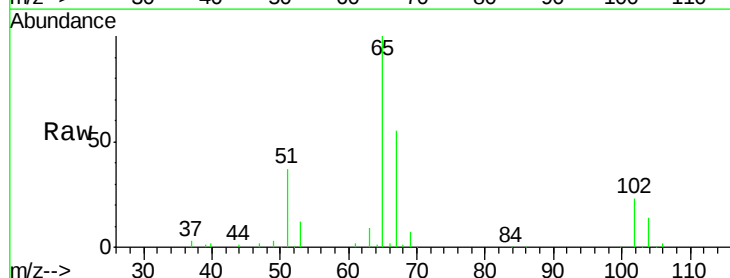
Acq: 10 Jun 2019 18:18

Tgt Ion: 65 Resp: 174474

Ion Ratio Lower Upper

65 100

67 54.6 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VNO

Ion 66.90 (66.60 to 67.60): VNO

8.03

80000

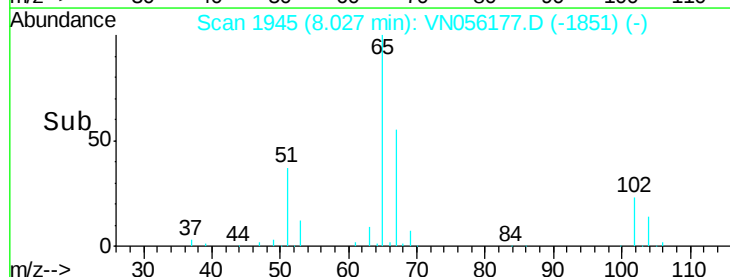
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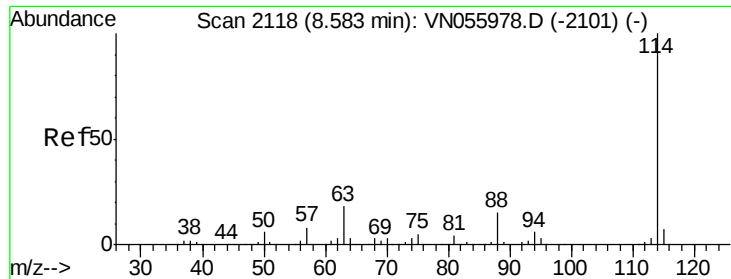
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20000

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Time-->

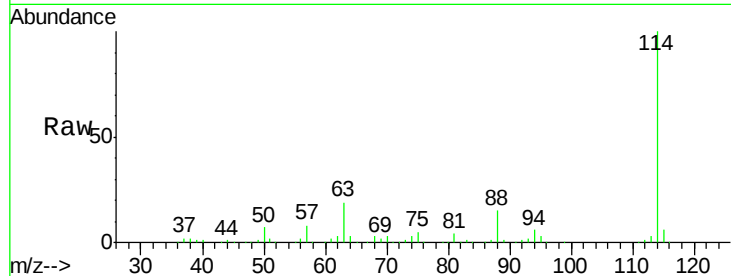




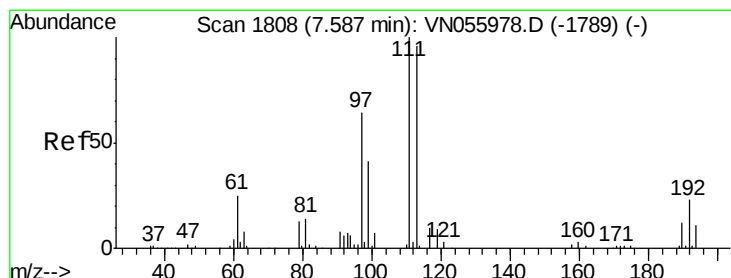
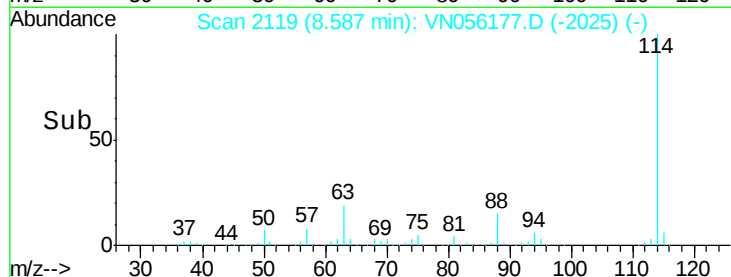
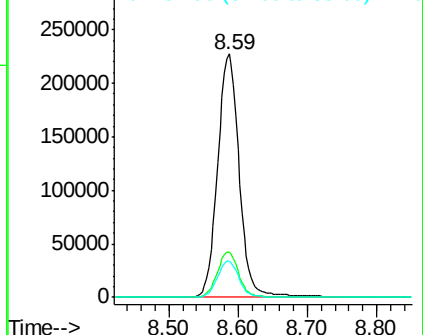
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056177.D
 Acq: 10 Jun 2019 18:18

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TT-SW4003-20190608

Tot Ion:114 Resp: 492881
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 39.2
 88 15.1 0.0 31.0

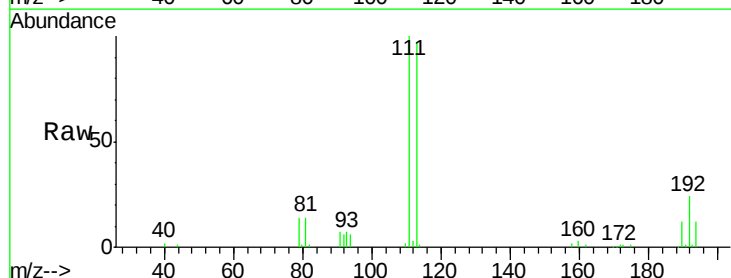


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

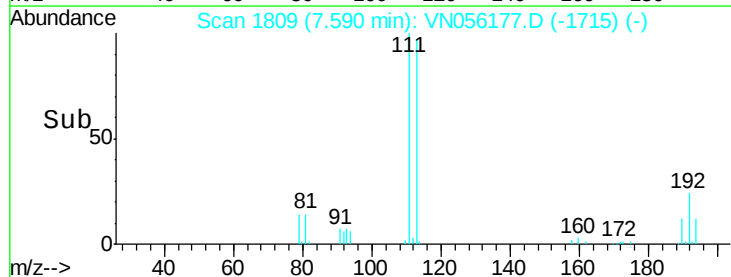
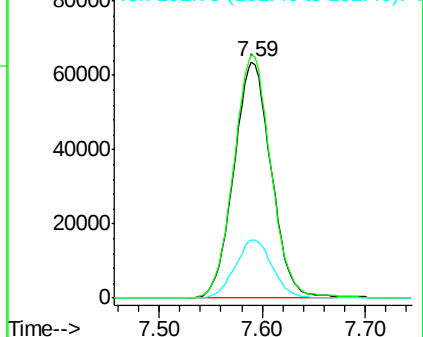


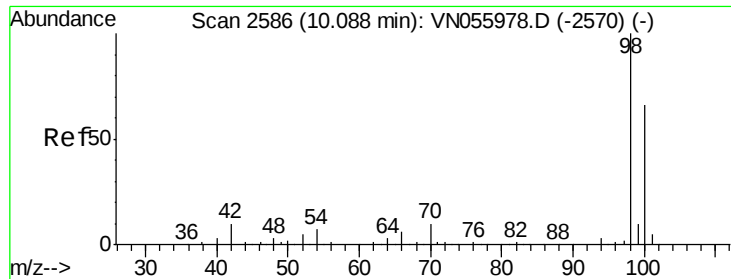
#35
 Dibromofluoromethane
 Concen: 52.941 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056177.D
 Acq: 10 Jun 2019 18:18

Tgt Ion:113 Resp: 160093
 Ion Ratio Lower Upper
 113 100
 111 103.2 81.9 122.9
 192 24.6 19.5 29.3



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: 54.149 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056177.D

Acq: 10 Jun 2019 18:18

Instrument :

MSVOA_N

ClientSampleId :

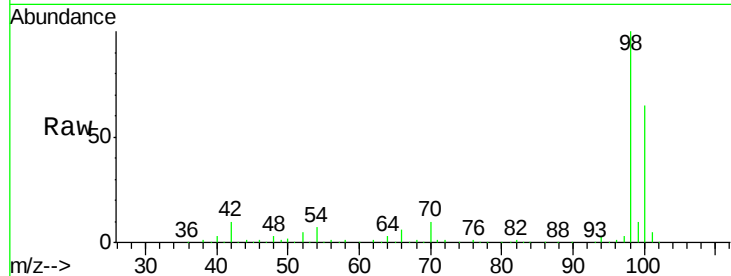
BP-TT-SW4003-20190608

Tot Ion: 98 Resp: 630098

Ion Ratio Lower Upper

98 100

100 64.9 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055978.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN055978.D (-2570) (-)

10.09

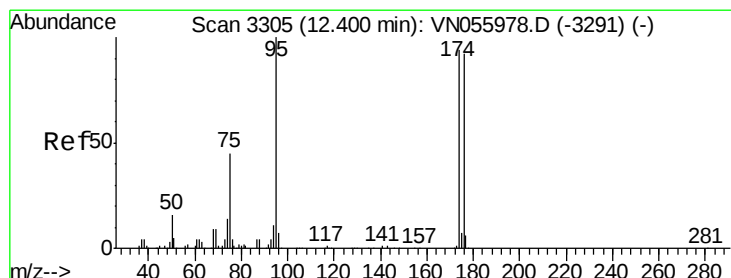
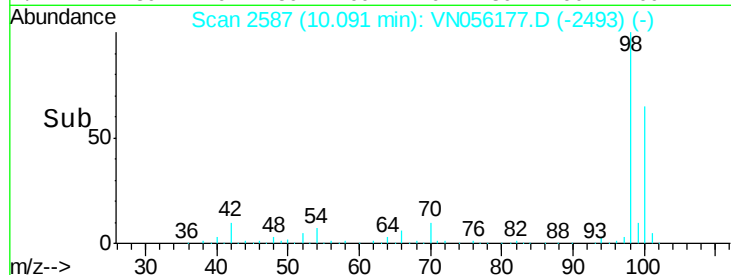
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 47.514 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056177.D

Acq: 10 Jun 2019 18:18

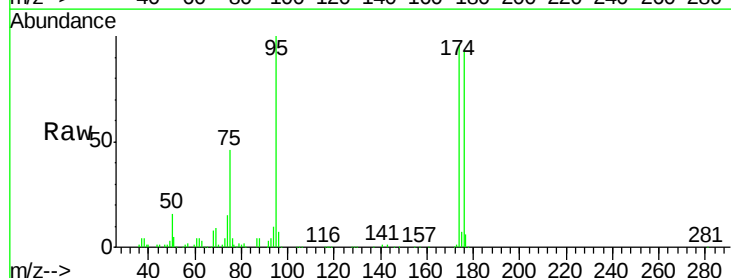
Tgt Ion: 95 Resp: 188025

Ion Ratio Lower Upper

95 100

174 98.5 0.0 191.0

176 94.8 0.0 185.2



Abundance Ion 94.90 (94.60 to 95.60): VN055978.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN055978.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN055978.D (-3291) (-)

12.40

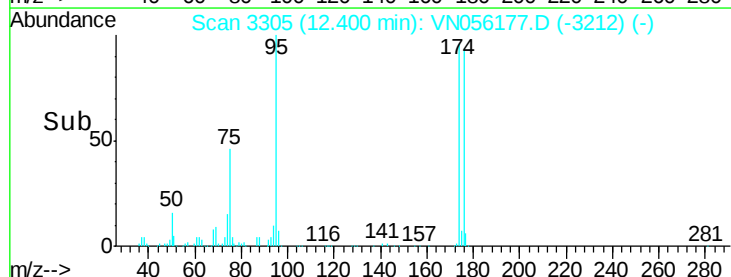
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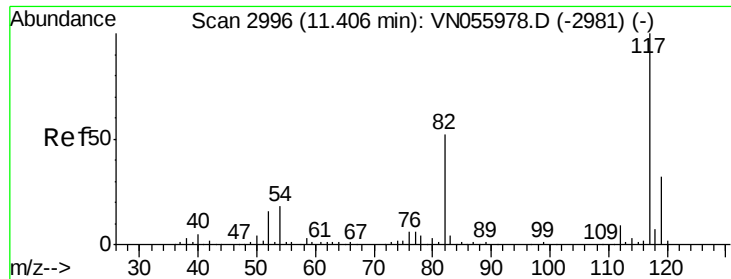
100000

50000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN056177.D

Acq: 10 Jun 2019 18:18

Instrument :

MSVOA_N

ClientSampleId :

BP-TT-SW4003-20190608

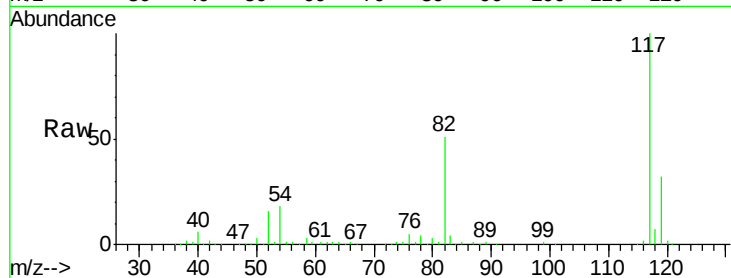
Tot Ion:117 Resp: 469409

Ion Ratio Lower Upper

117 100

82 51.3 41.8 62.8

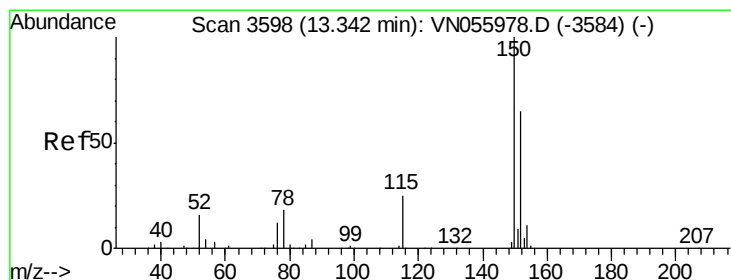
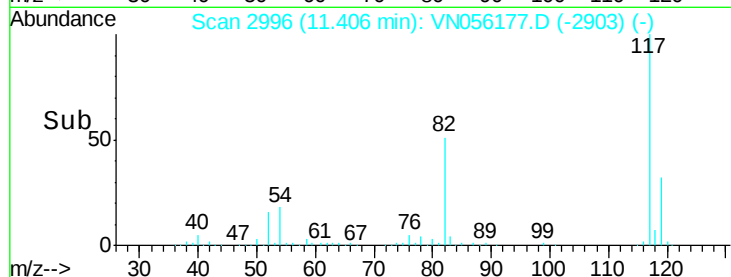
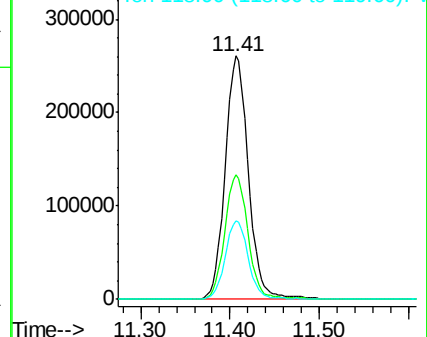
119 32.4 25.4 38.0



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: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056177.D

Acq: 10 Jun 2019 18:18

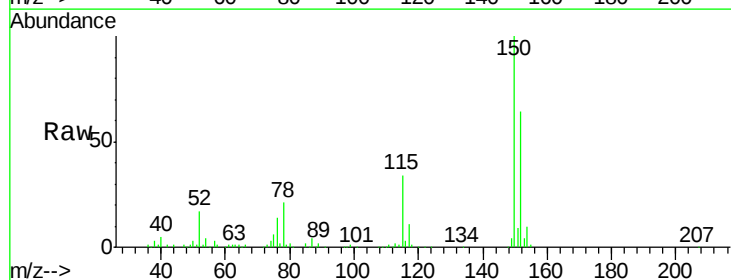
Tgt Ion:152 Resp: 137179

Ion Ratio Lower Upper

152 100

115 52.9 27.0 81.0

150 157.9 0.0 343.2



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

