

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061119\  
 Data File : VN056229.D  
 Acq On : 11 Jun 2019 17:43  
 Operator : JC/SP  
 Sample : K3284-21  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 BP-TT-SW4003-20190610

Quant Time: Jun 12 07:25:56 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

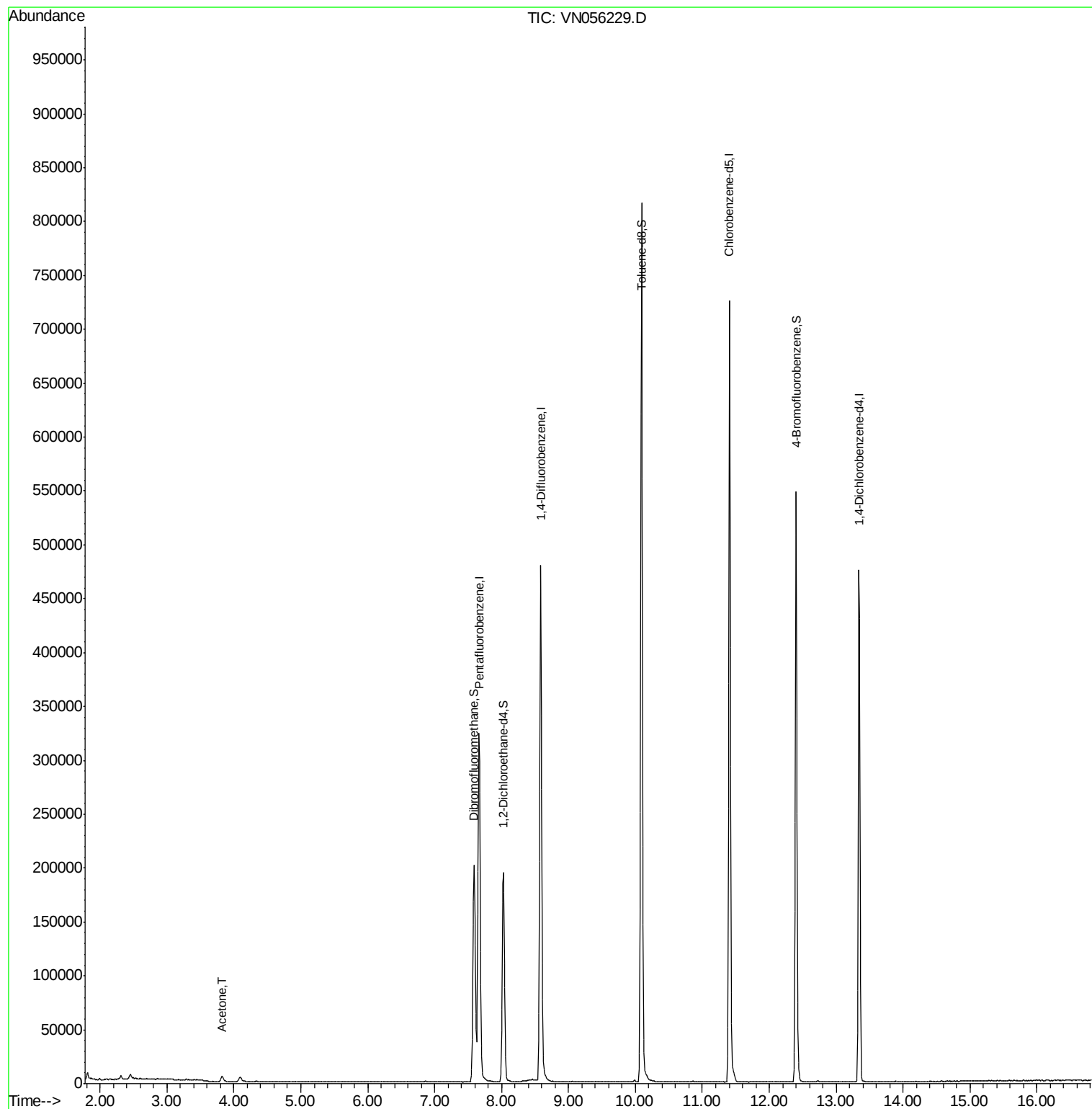
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.66  | 168  | 314885   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 472885   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 468745   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 149302   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.02  | 65   | 165592   | 52.96 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 105.92% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 154099   | 53.11 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 106.22% |          |
| 50) Toluene-d8              | 10.09 | 98   | 610503   | 54.68 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 109.36% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 195899   | 51.60 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 103.20% |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 3.82  | 43   | 9600     | 6.420 | ug/l    | 98       |

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N060419W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jun 04 11:02:09 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN056229.D

Acq: 11 Jun 2019 17:43

Instrument :

MSVOA\_N

ClientSampleId :

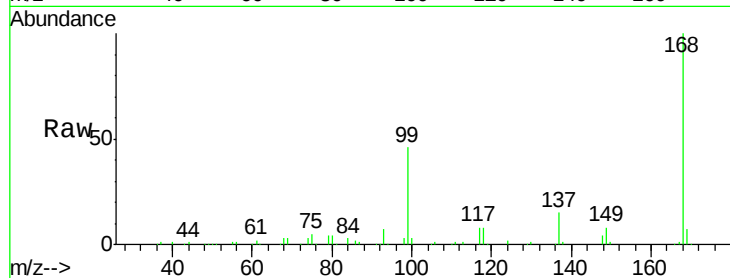
BP-TT-SW4003-20190610

Tot Ion:168 Resp: 314885

Ion Ratio Lower Upper

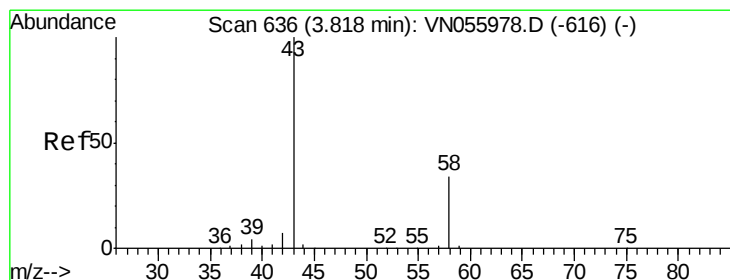
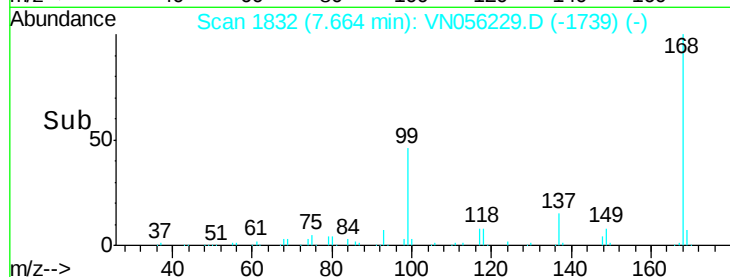
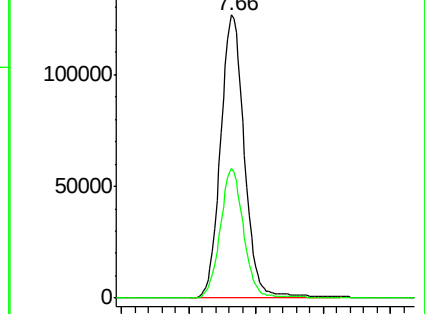
168 100

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



#16

Acetone

Concen: 6.420 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN056229.D

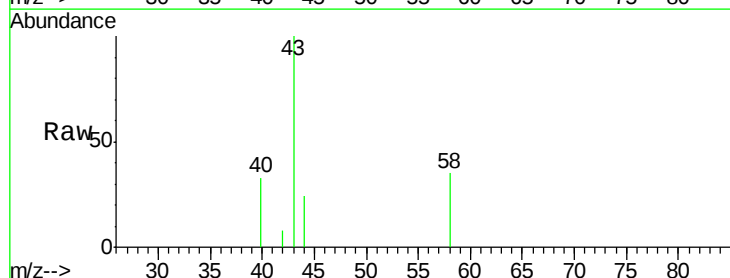
Acq: 11 Jun 2019 17:43

Tgt Ion: 43 Resp: 9600

Ion Ratio Lower Upper

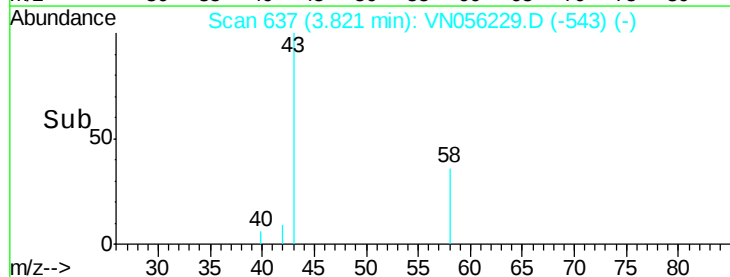
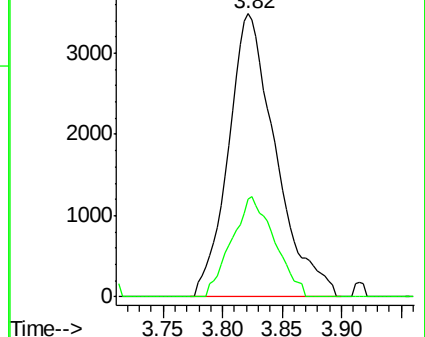
43 100

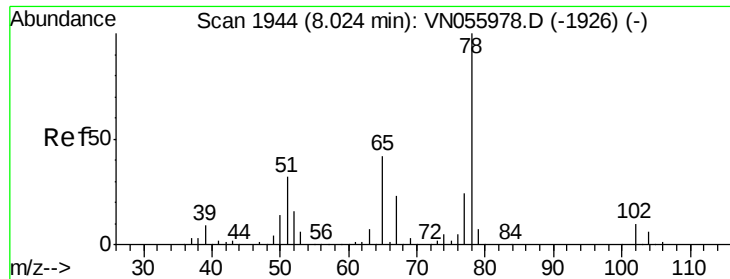
58 34.5 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

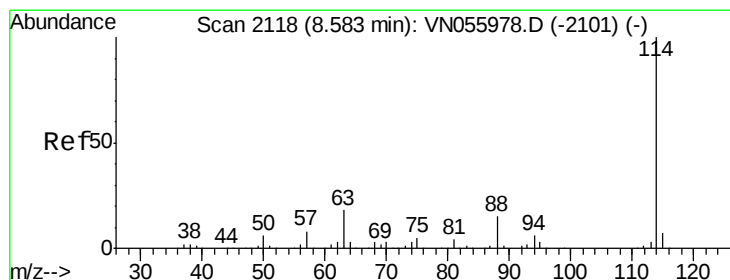
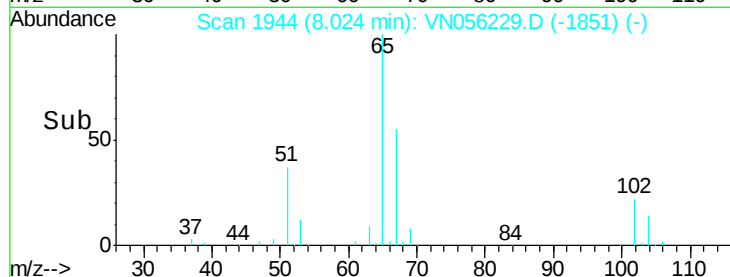
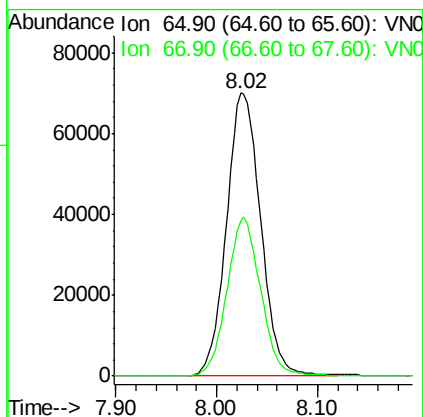
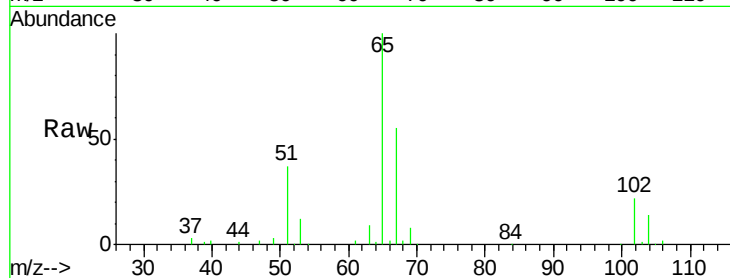




#33  
 1,2-Dichloroethane-d4  
 Concen: 52.963 ug/l  
 RT: 8.02 min Scan# 1944  
 Delta R.T. -0.00 min  
 Lab File: VN056229.D  
 Acq: 11 Jun 2019 17:43

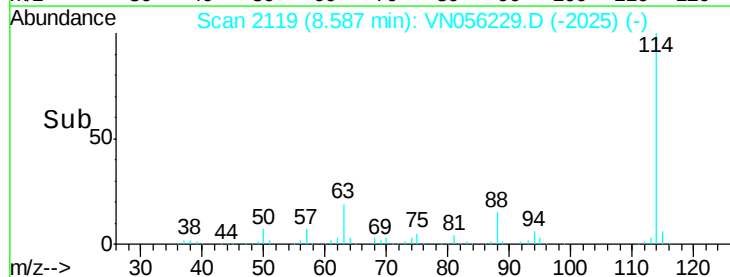
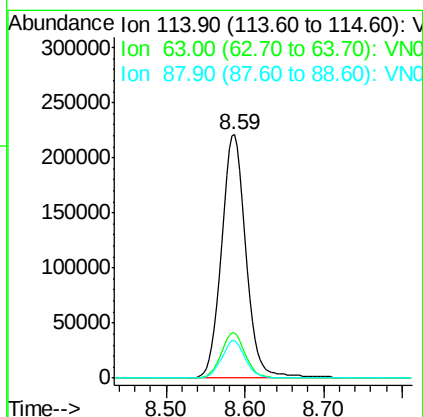
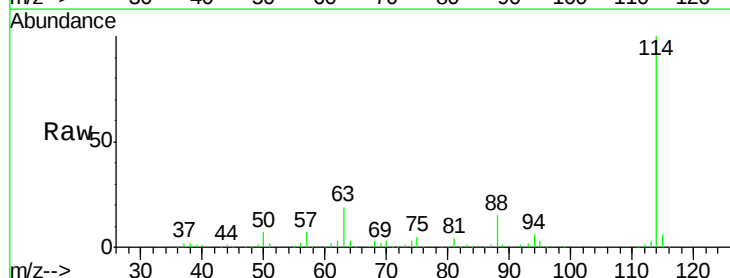
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 BP-TT-SW4003-20190610

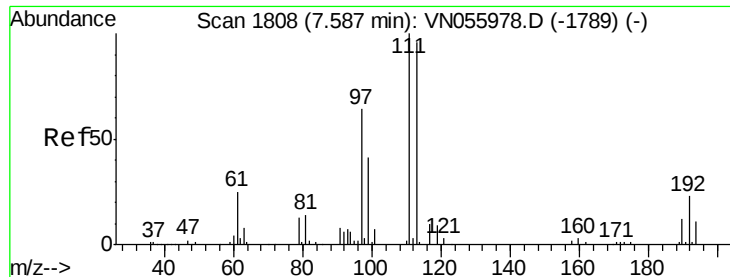
Tot Ion: 65 Resp: 165592  
 Ion Ratio Lower Upper  
 65 100  
 67 54.9 0.0 109.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN056229.D  
 Acq: 11 Jun 2019 17:43

Tgt Ion: 114 Resp: 472885  
 Ion Ratio Lower Upper  
 114 100  
 63 18.5 0.0 39.2  
 88 15.2 0.0 31.0





#35

Dibromofluoromethane

Concen: 53.114 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056229.D

Acq: 11 Jun 2019 17:43

Instrument :

MSVOA\_N

ClientSampleId :

BP-TT-SW4003-20190610

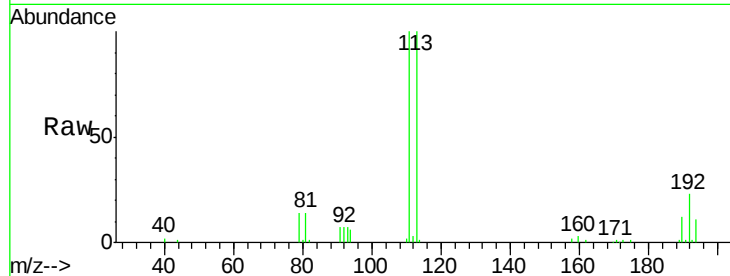
Tot Ion:113 Resp: 154099

Ion Ratio Lower Upper

113 100

111 102.0 81.9 122.9

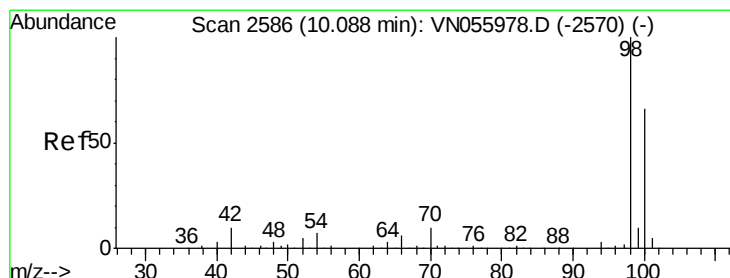
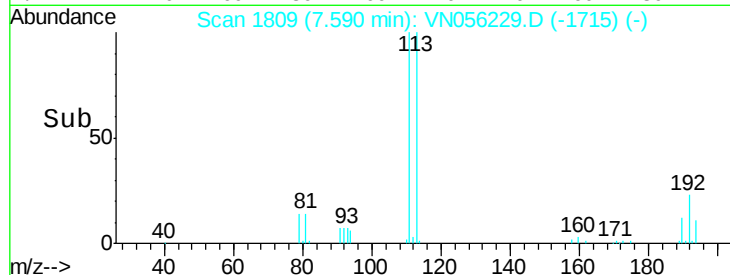
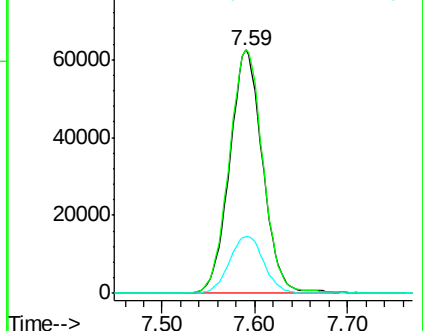
192 24.4 19.5 29.3



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: 54.684 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056229.D

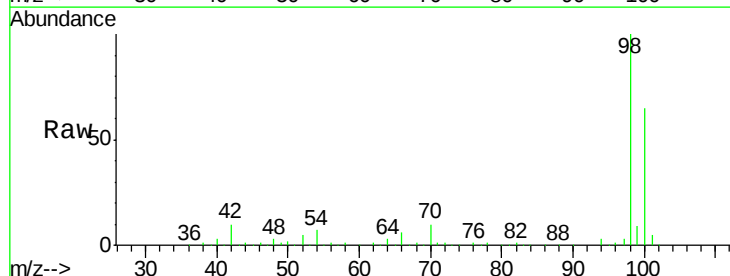
Acq: 11 Jun 2019 17:43

Tgt Ion: 98 Resp: 610503

Ion Ratio Lower Upper

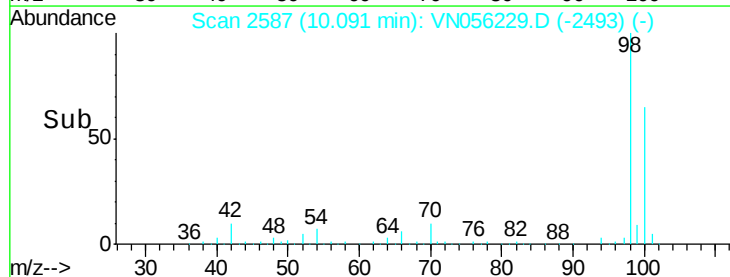
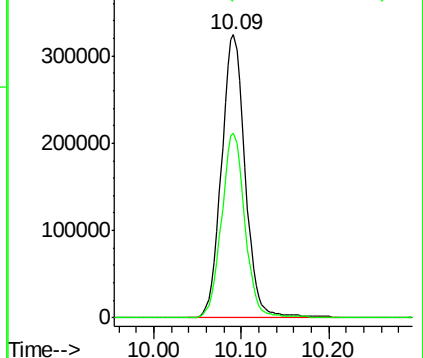
98 100

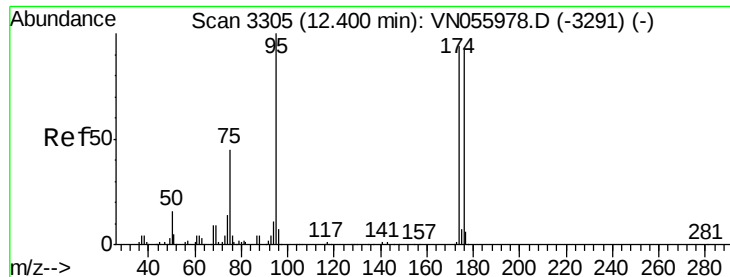
100 64.6 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#62

4-Bromofluorobenzene

Concen: 51.597 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056229.D

Acq: 11 Jun 2019 17:43

Instrument :

MSVOA\_N

ClientSampleId :

BP-TT-SW4003-20190610

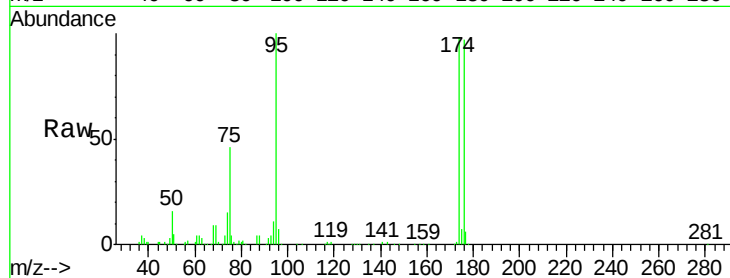
Tot Ion: 95 Resp: 195899

Ion Ratio Lower Upper

95 100

174 97.6 0.0 191.0

176 96.3 0.0 185.2



Abundance Ion 94.90 (94.60 to 95.60): VN056229.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN056229.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN056229.D (-3212) (-)

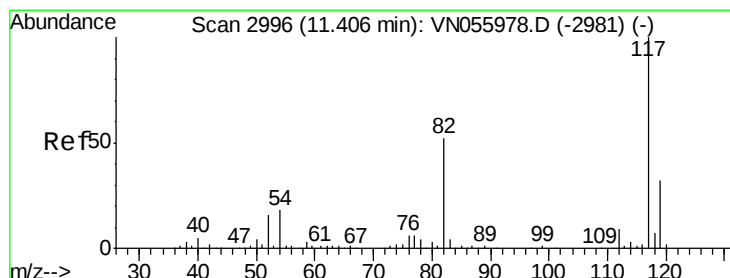
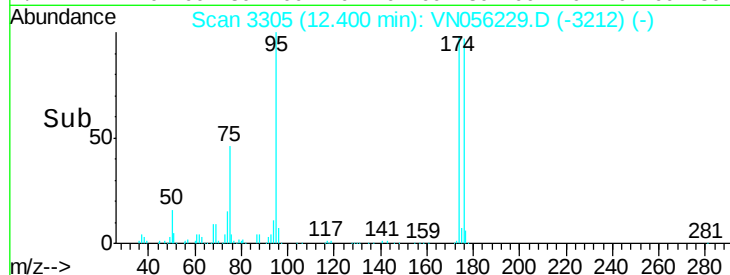
12.40

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: VN056229.D

Acq: 11 Jun 2019 17:43

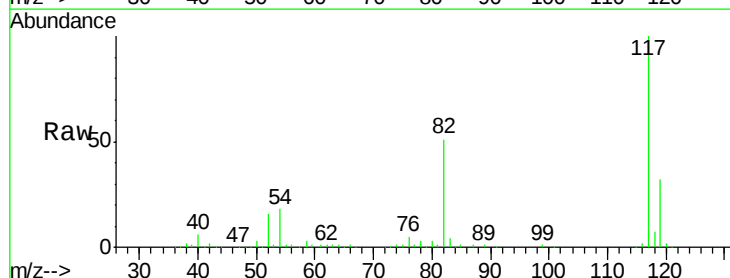
Tgt Ion: 117 Resp: 468745

Ion Ratio Lower Upper

117 100

82 51.2 41.8 62.8

119 32.3 25.4 38.0



Abundance Ion 116.90 (116.60 to 117.60): VN056229.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN056229.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN056229.D (-2903) (-)

11.41

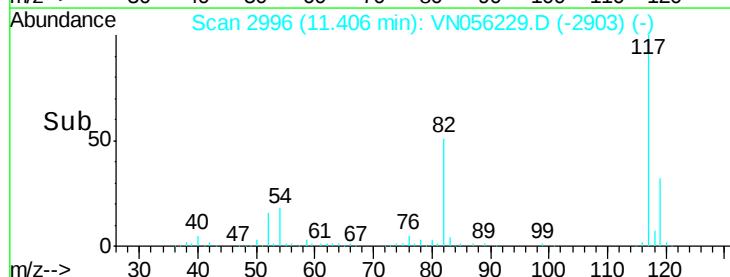
300000

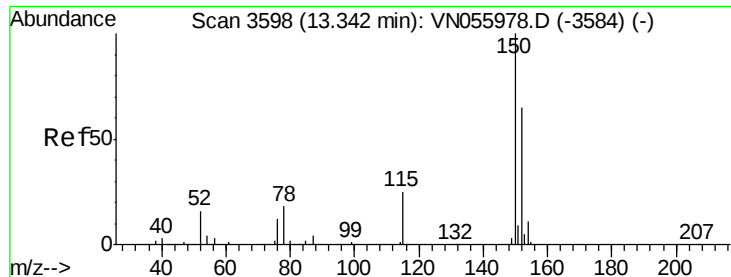
200000

100000

0

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN056229.D

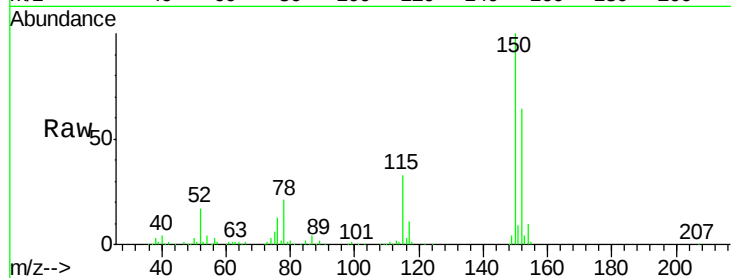
Acq: 11 Jun 2019 17:43

Instrument :

MSVOA\_N

ClientSampleId :

BP-TT-SW4003-20190610



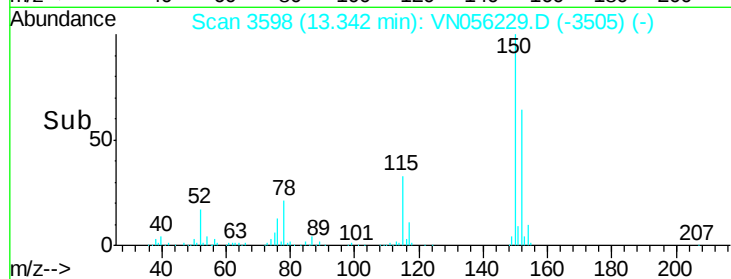
Tot Ion:152 Resp: 149302

Ion Ratio Lower Upper

152 100

115 51.8 27.0 81.0

150 154.8 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

