

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030619\  
 Data File : VN054116.D  
 Acq On : 6 Mar 2019 13:11  
 Operator : JC/SP  
 Sample : I.BLK  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 I.BLK

Quant Time: Mar 07 06:18:59 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N030619W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Mar 07 05:44:36 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.66  | 168  | 555589   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.58  | 114  | 1002754  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 943086   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 327625   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.02  | 65   | 343717   | 51.51 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 103.02% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 321072   | 49.30 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 98.60%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 1252390  | 50.64 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 101.28% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 402685   | 50.01 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 100.02% |          |

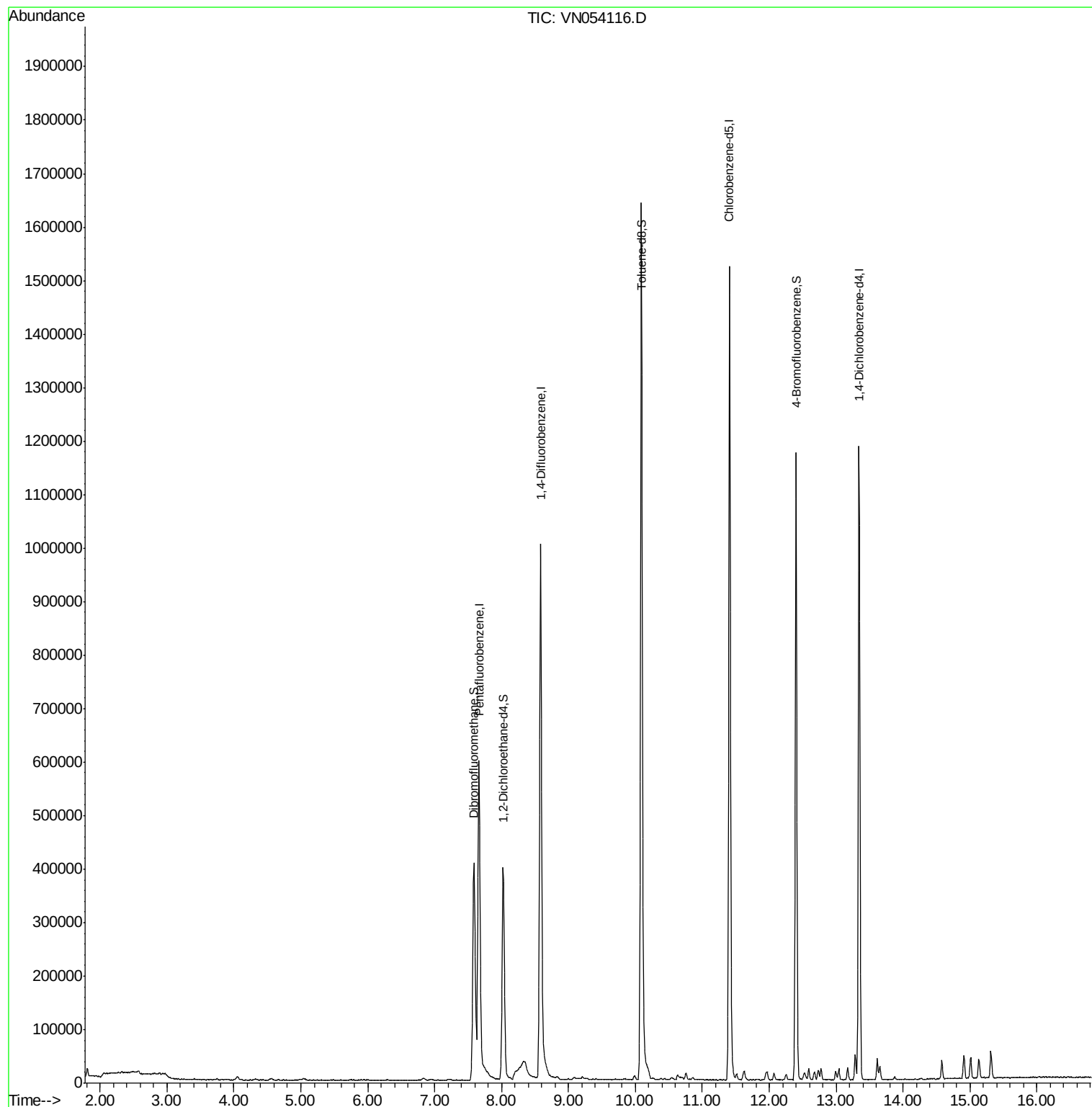
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

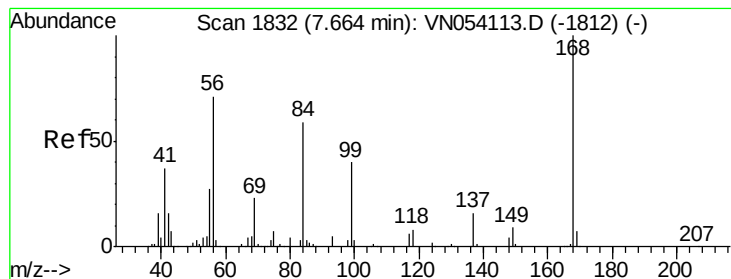
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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I.BLK

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N030619W.M  
Quant Title : SW846 8260  
QLast Update : Thu Mar 07 05:44:36 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: VN054116.D

Acq: 6 Mar 2019 13:11

Instrument :

MSVOA\_N

ClientSampled :

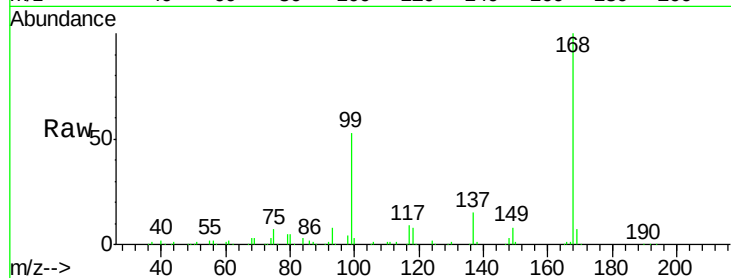
I.BLK

Tot Ion:168 Resp: 555589

Ion Ratio Lower Upper

168 100

99 52.7 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

250000

200000

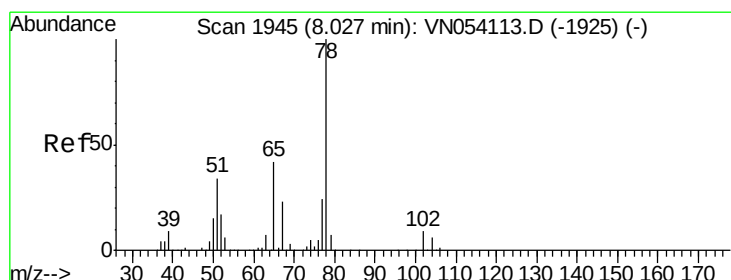
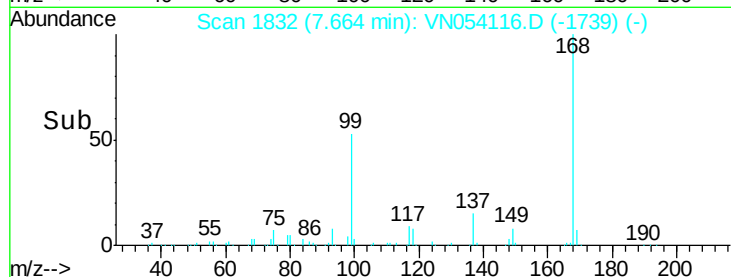
150000

100000

50000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 51.513 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN054116.D

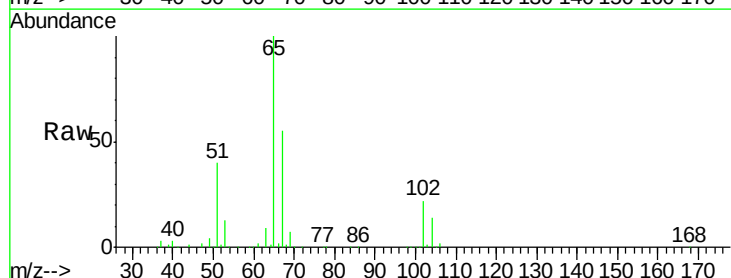
Acq: 6 Mar 2019 13:11

Tgt Ion: 65 Resp: 343717

Ion Ratio Lower Upper

65 100

67 54.9 0.0 109.6



Abundance Ion 64.90 (64.60 to 65.60): VNO

Ion 66.90 (66.60 to 67.60): VNO

8.02

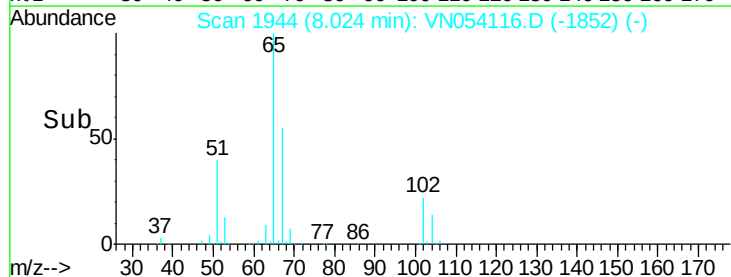
150000

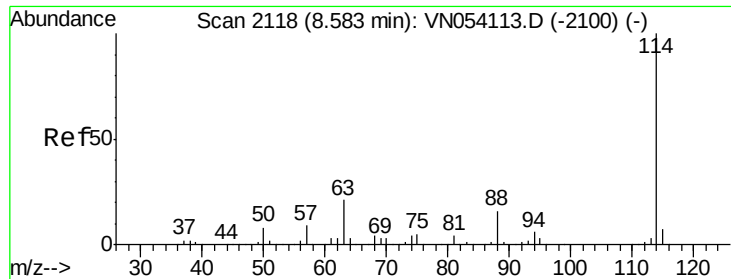
100000

50000

0

Time-->

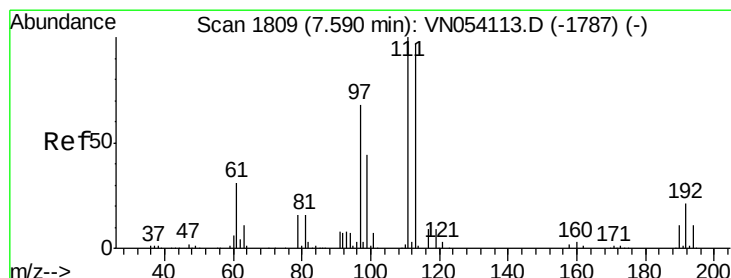
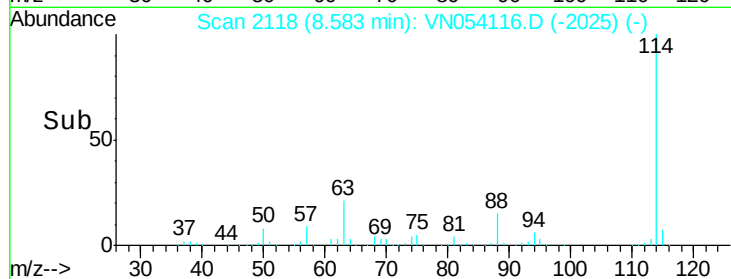
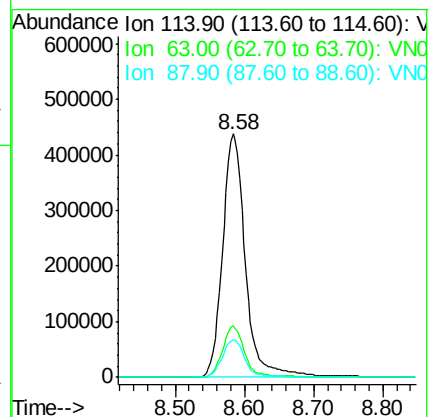
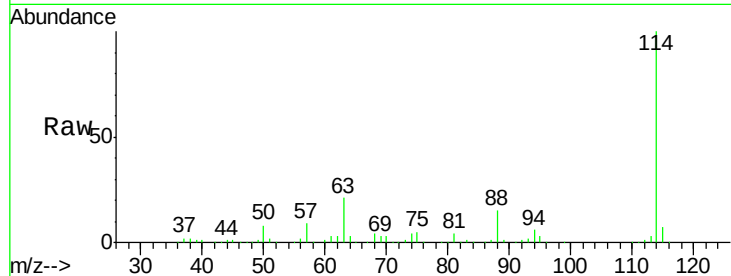




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.58 min Scan# 2118  
 Delta R.T. -0.00 min  
 Lab File: VN054116.D  
 Acq: 6 Mar 2019 13:11

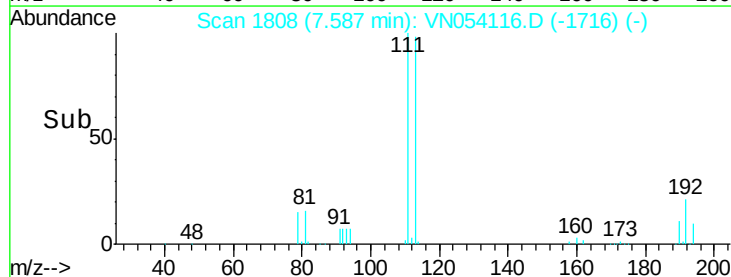
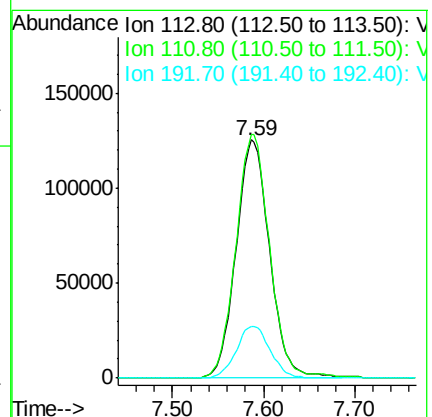
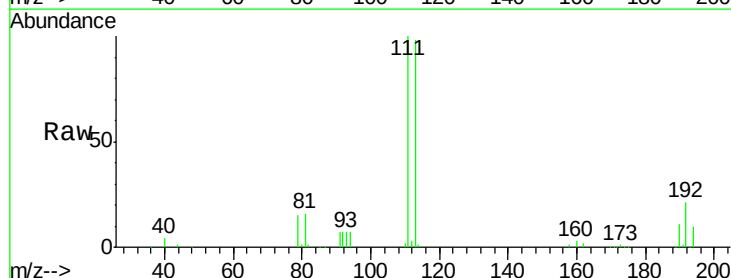
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 I.BLK

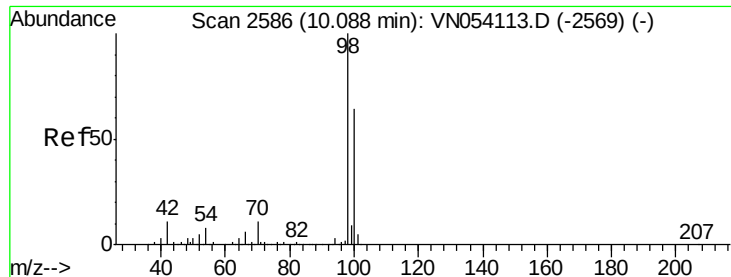
Tot Ion:114 Resp: 1002754  
 Ion Ratio Lower Upper  
 114 100  
 63 20.9 0.0 42.6  
 88 15.5 0.0 31.8



#35  
 Dibromofluoromethane  
 Concen: 49.299 ug/l  
 RT: 7.59 min Scan# 1808  
 Delta R.T. -0.00 min  
 Lab File: VN054116.D  
 Acq: 6 Mar 2019 13:11

Tgt Ion:113 Resp: 321072  
 Ion Ratio Lower Upper  
 113 100  
 111 101.4 82.1 123.1  
 192 21.8 17.4 26.0





#50

Toluene-d8

Concen: 50.640 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054116.D

Acq: 6 Mar 2019 13:11

Instrument :

MSVOA\_N

ClientSampled :

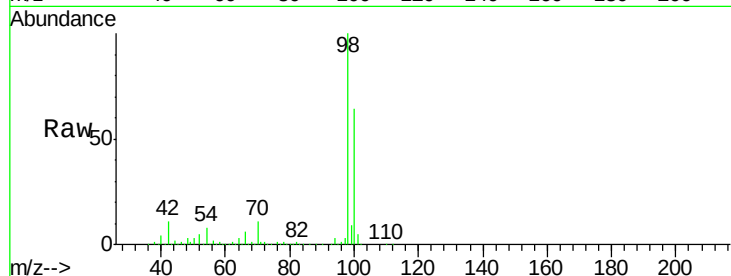
I.BLK

Tot Ion: 98 Resp: 1252390

Ion Ratio Lower Upper

98 100

100 64.9 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN054116.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN054116.D (-2569) (-)

10.09

600000

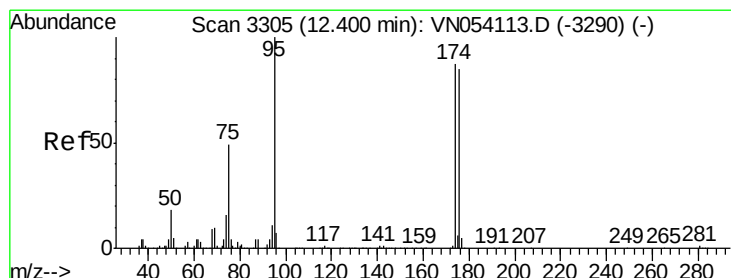
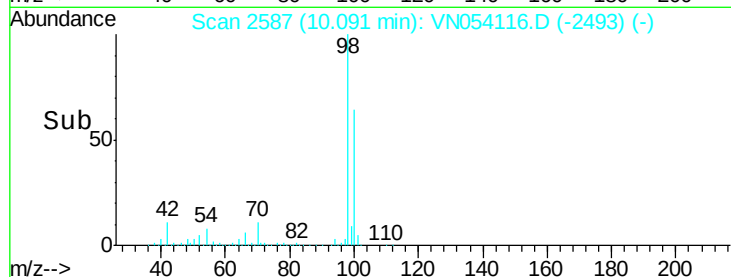
400000

200000

0

10.00 10.10 10.20

Time-->



#62

4-Bromofluorobenzene

Concen: 50.011 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054116.D

Acq: 6 Mar 2019 13:11

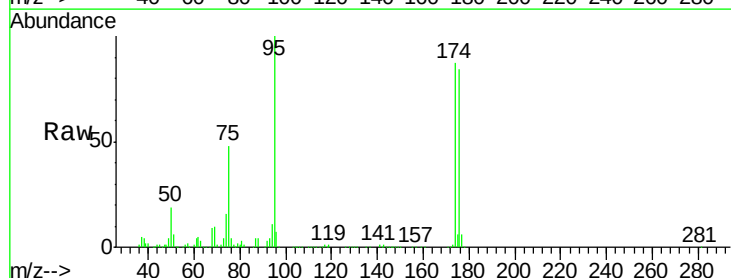
Tgt Ion: 95 Resp: 402685

Ion Ratio Lower Upper

95 100

174 88.0 0.0 173.2

176 84.9 0.0 168.8



Abundance Ion 94.90 (94.60 to 95.60): VN054116.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN054116.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN054116.D (-3212) (-)

12.40

300000

250000

200000

150000

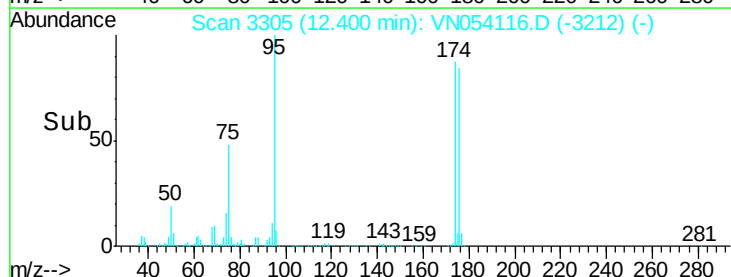
100000

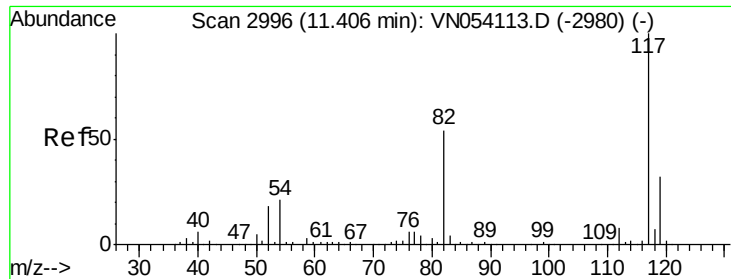
50000

0

12.35 12.40 12.45 12.50

Time-->

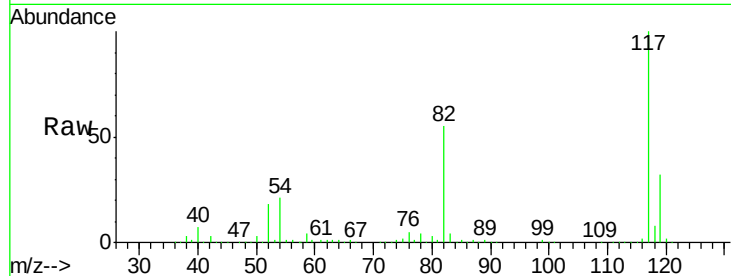




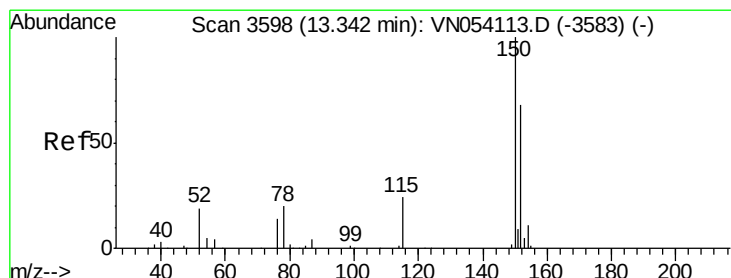
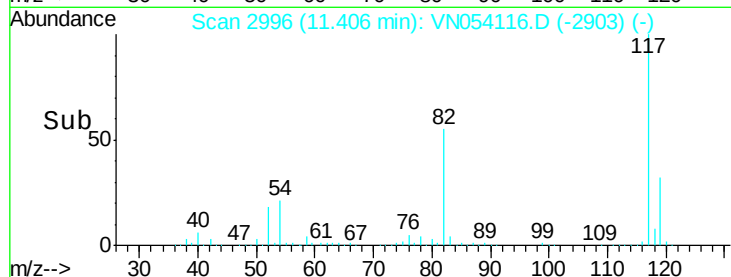
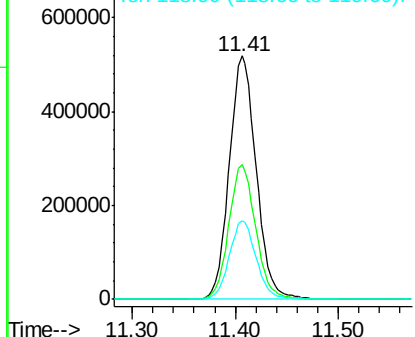
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. -0.00 min  
Lab File: VN054116.D  
Acq: 6 Mar 2019 13:11

Instrument :  
MSVOA\_N  
ClientSampled :  
I.BLK

Tot Ion:117 Resp: 943086  
Ion Ratio Lower Upper  
117 100  
82 55.3 43.4 65.2  
119 32.5 26.0 39.0

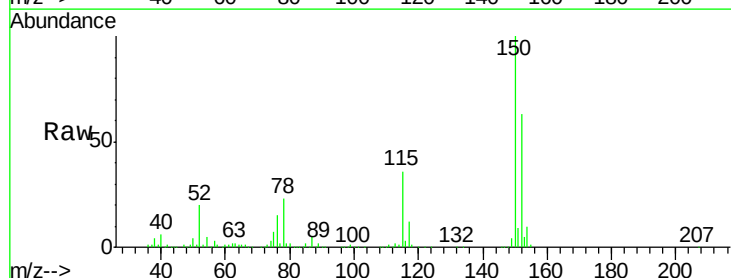


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. -0.00 min  
Lab File: VN054116.D  
Acq: 6 Mar 2019 13:11

Tgt Ion:152 Resp: 327625  
Ion Ratio Lower Upper  
152 100  
115 56.7 28.5 85.6  
150 156.7 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

