

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062818\  
 Data File : VX002986.D  
 Acq On : 28 Jun 2018 15:41  
 Operator : JC/MD  
 Sample : J3704-04  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 STORAGEBLANK-SAMPLEMANAG

Quant Time: Jun 29 09:53:15 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X062518W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jun 25 14:38:05 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 263317   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.87  | 114  | 370361   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 340792   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.09 | 152  | 192024   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4   | 6.07   | 65  | 174625   | 47.98 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 95.96% |      |
| 35) Dibromofluoromethane    | 5.51   | 113 | 142521   | 48.59 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 97.18% |      |
| 50) Toluene-d8              | 8.72   | 98  | 518154   | 48.38 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.76% |      |
| 62) 4-Bromofluorobenzene    | 11.14  | 95  | 182862   | 44.27 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 88.54% |      |

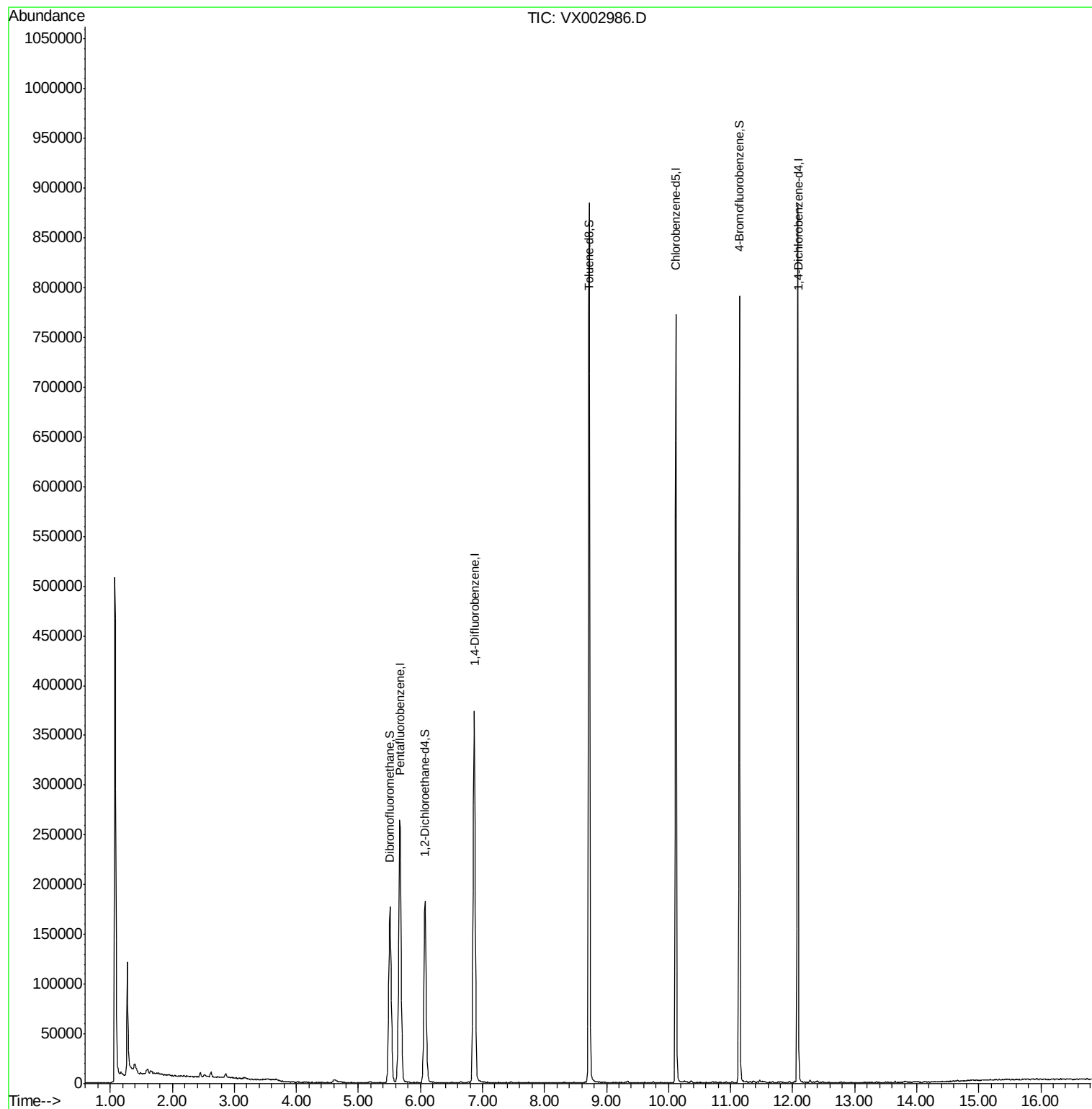
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

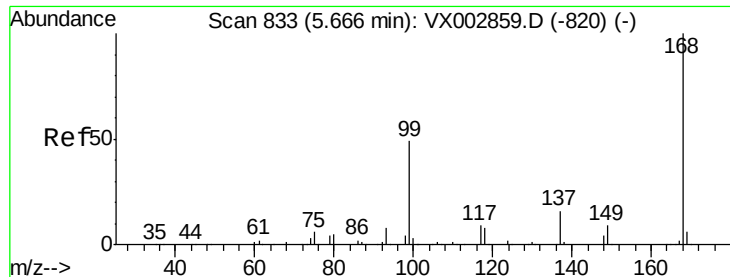
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X062518W.M  
Quant Title : SW846 8260  
QLast Update : Mon Jun 25 14:38:05 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX002986.D

Acq: 28 Jun 2018 15:41

Instrument :

MSVOA\_X

ClientSampleId :

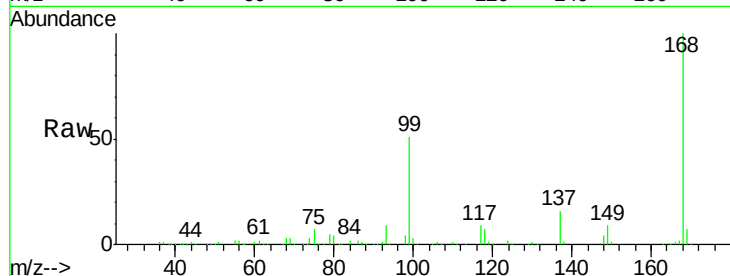
STORAGEBLANK-SAMPLEMANAG

Tot Ion:168 Resp: 263317

Ion Ratio Lower Upper

168 100

99 51.1 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

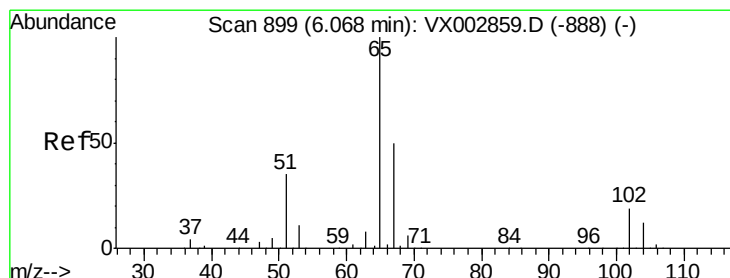
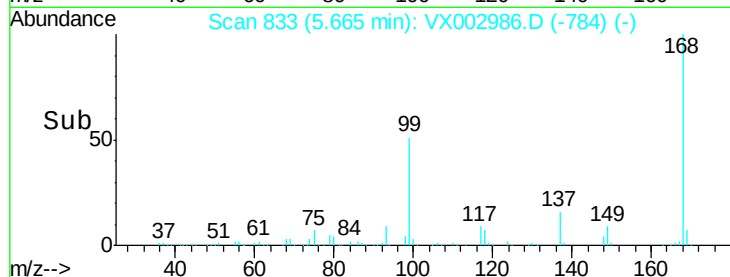
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#33

1,2-Dichloroethane-d4

Concen: 47.98 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX002986.D

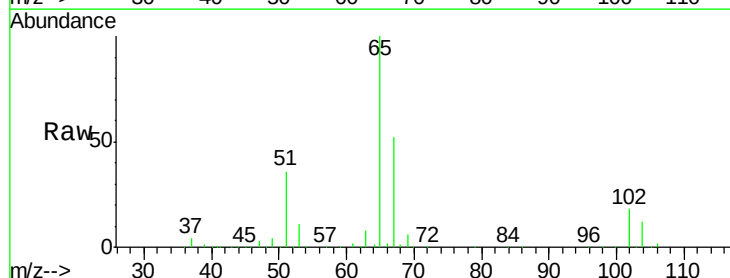
Acq: 28 Jun 2018 15:41

Tgt Ion: 65 Resp: 174625

Ion Ratio Lower Upper

65 100

67 51.6 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

80000

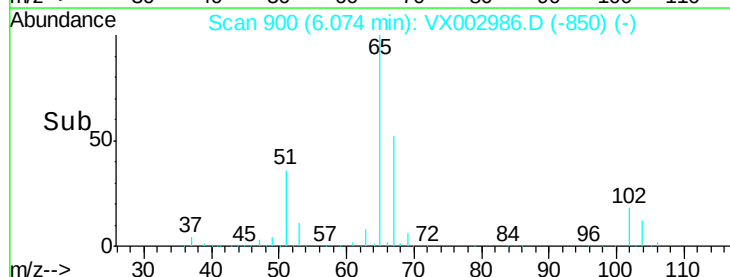
60000

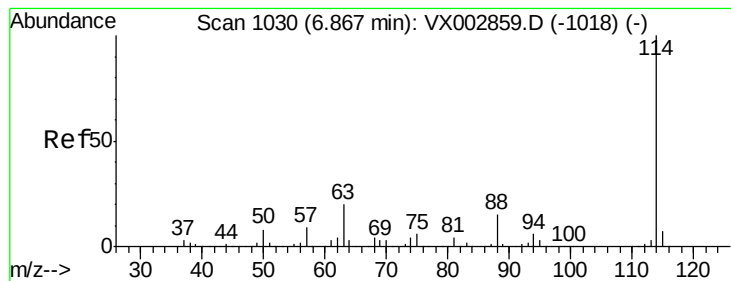
40000

20000

0

Time--> 5.90 6.00 6.10 6.20





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002986.D

Acq: 28 Jun 2018 15:41

Instrument :

MSVOA\_X

ClientSampleId :

STORAGEBLANK-SAMPLEMANAG

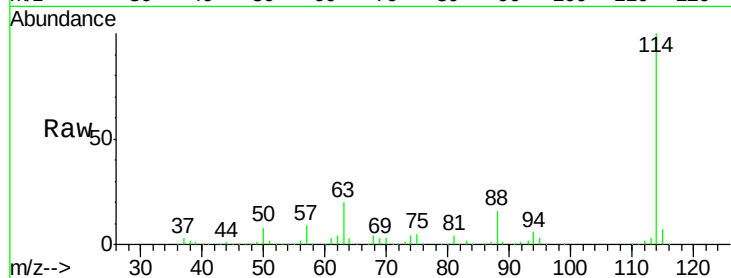
Tot Ion:114 Resp: 370361

Ion Ratio Lower Upper

114 100

63 20.5 0.0 41.4

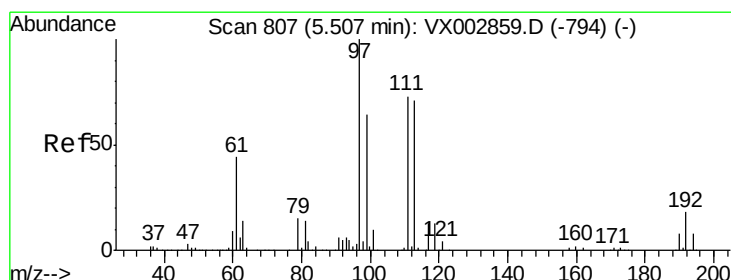
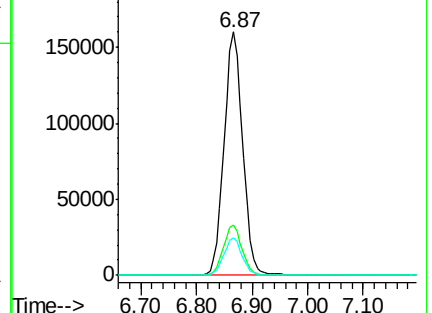
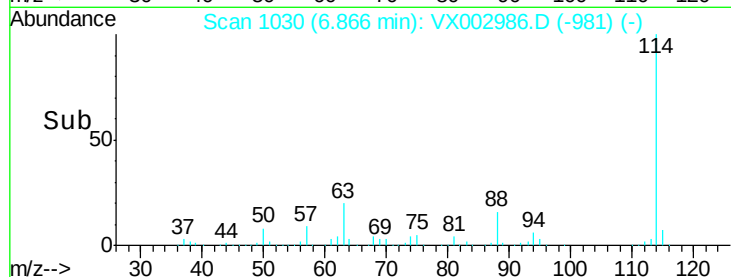
88 15.6 0.0 30.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 48.59 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002986.D

Acq: 28 Jun 2018 15:41

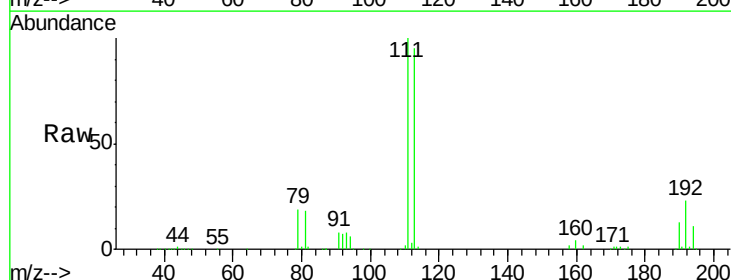
Tgt Ion:113 Resp: 142521

Ion Ratio Lower Upper

113 100

111 102.6 81.4 122.0

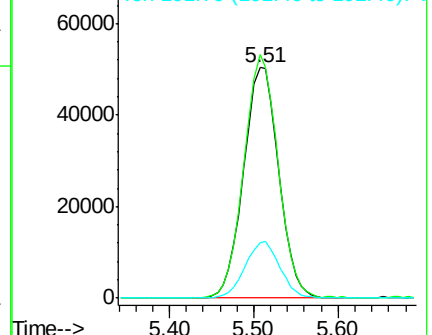
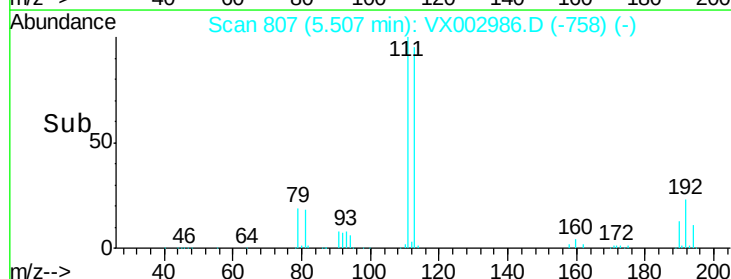
192 24.3 19.1 28.7

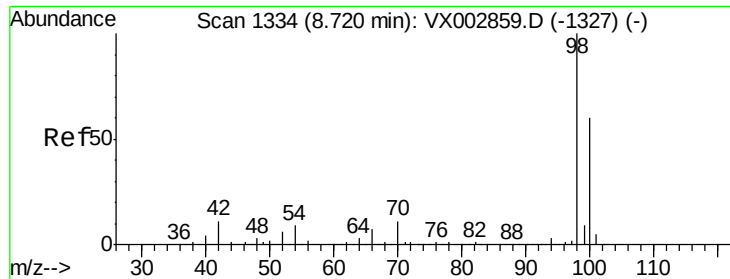


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 48.38 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002986.D

Acq: 28 Jun 2018 15:41

Instrument :

MSVOA\_X

ClientSampleId :

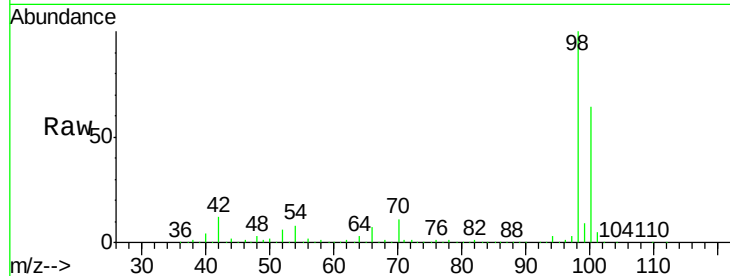
STORAGE\BLANK-SAMPLE\MANAG

Tot Ion: 98 Resp: 518154

Ion Ratio Lower Upper

98 100

100 63.6 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.72

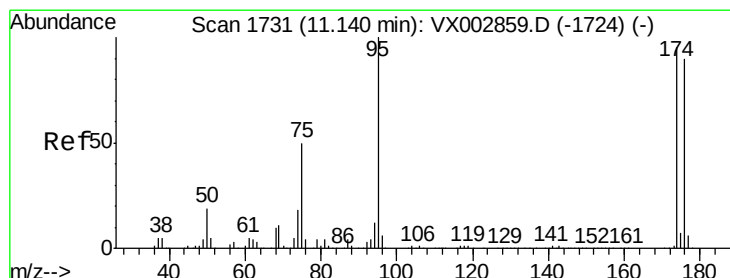
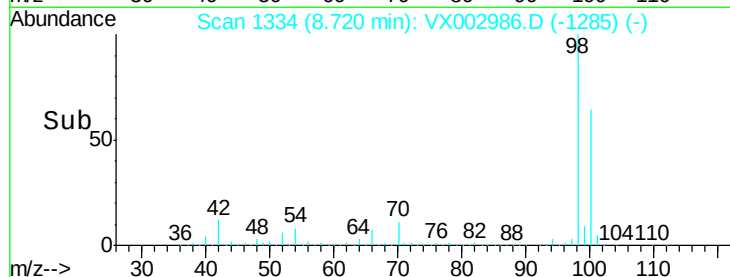
300000

200000

100000

0

Time--> 8.60 8.70 8.80



#62

4-Bromofluorobenzene

Concen: 44.27 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002986.D

Acq: 28 Jun 2018 15:41

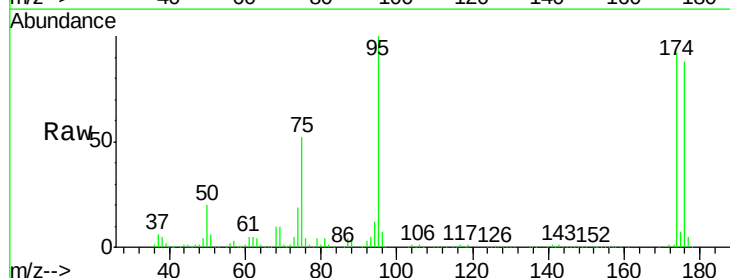
Tgt Ion: 95 Resp: 182862

Ion Ratio Lower Upper

95 100

174 96.2 0.0 187.4

176 94.0 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

200000

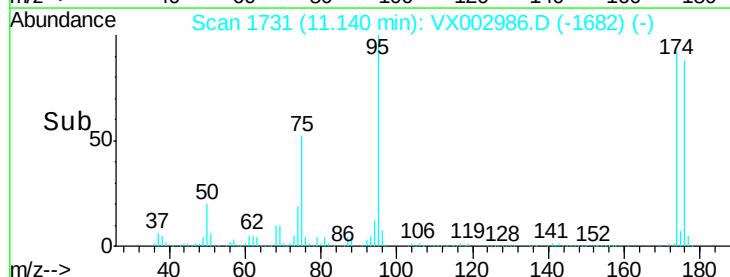
150000

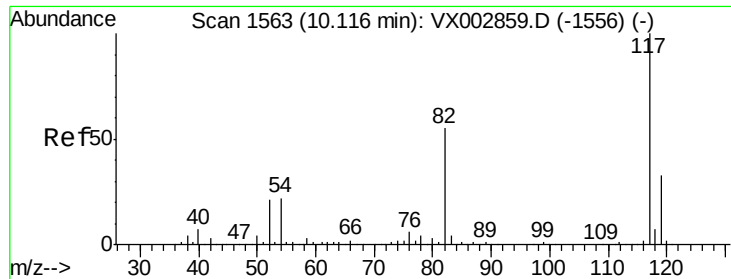
100000

50000

0

Time--> 11.05 11.10 11.15 11.20

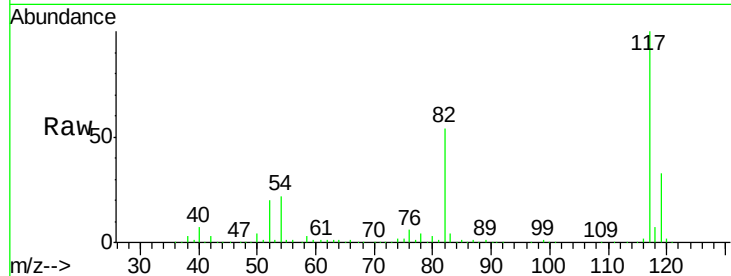




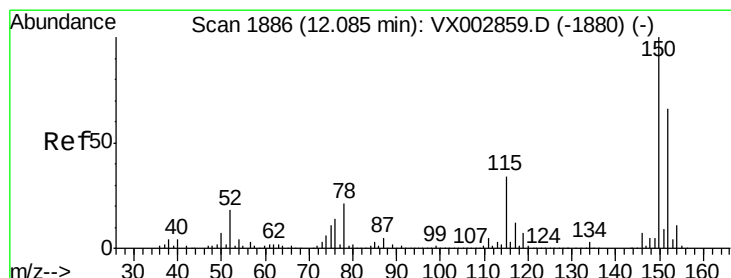
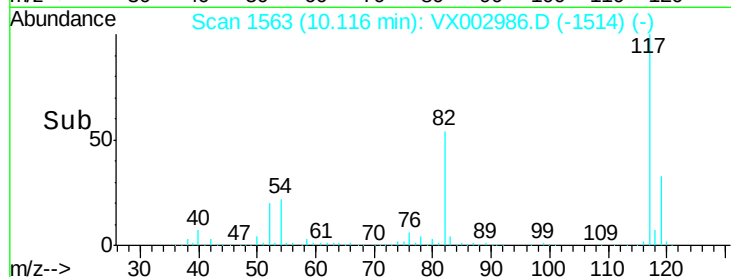
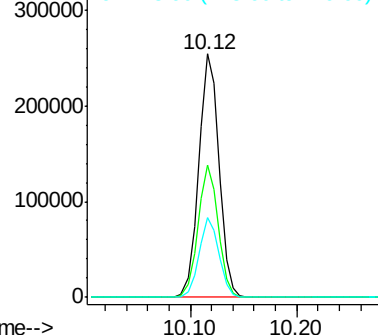
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1563  
Delta R.T. -0.00 min  
Lab File: VX002986.D  
Acq: 28 Jun 2018 15:41

Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGEBLANK-SAMPLEMANAG

Tot Ion:117 Resp: 340792  
Ion Ratio Lower Upper  
117 100  
82 54.5 45.0 67.4  
119 32.6 25.8 38.6

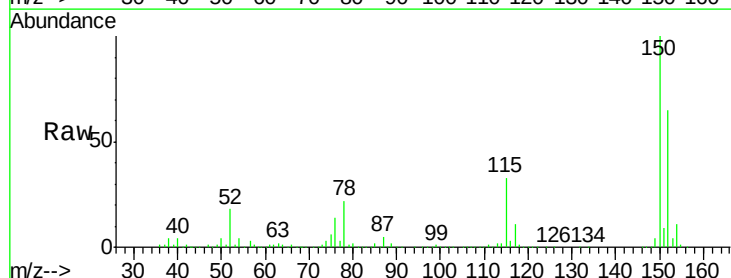


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.09 min Scan# 1886  
Delta R.T. -0.00 min  
Lab File: VX002986.D  
Acq: 28 Jun 2018 15:41

Tgt Ion:152 Resp: 192024  
Ion Ratio Lower Upper  
152 100  
115 54.1 40.1 120.2  
150 157.4 0.0 347.2



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

