

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101618\  
 Data File : VX005370.D  
 Acq On : 16 Oct 2018 15:58  
 Operator : JC/MD  
 Sample : I.BLK  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 I.BLK

Quant Time: Oct 17 07:03:50 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X101218W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 12 11:28:43 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 303281   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 423364   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 383211   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 192290   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 6.07   | 65  | 167409   | 49.74 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.48%  |      |
| 35) Dibromofluoromethane    | 5.50   | 113 | 144395   | 51.50 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 103.00% |      |
| 50) Toluene-d8              | 8.71   | 98  | 509442   | 52.92 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 105.84% |      |
| 62) 4-Bromofluorobenzene    | 11.14  | 95  | 171371   | 47.39 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 94.78%  |      |

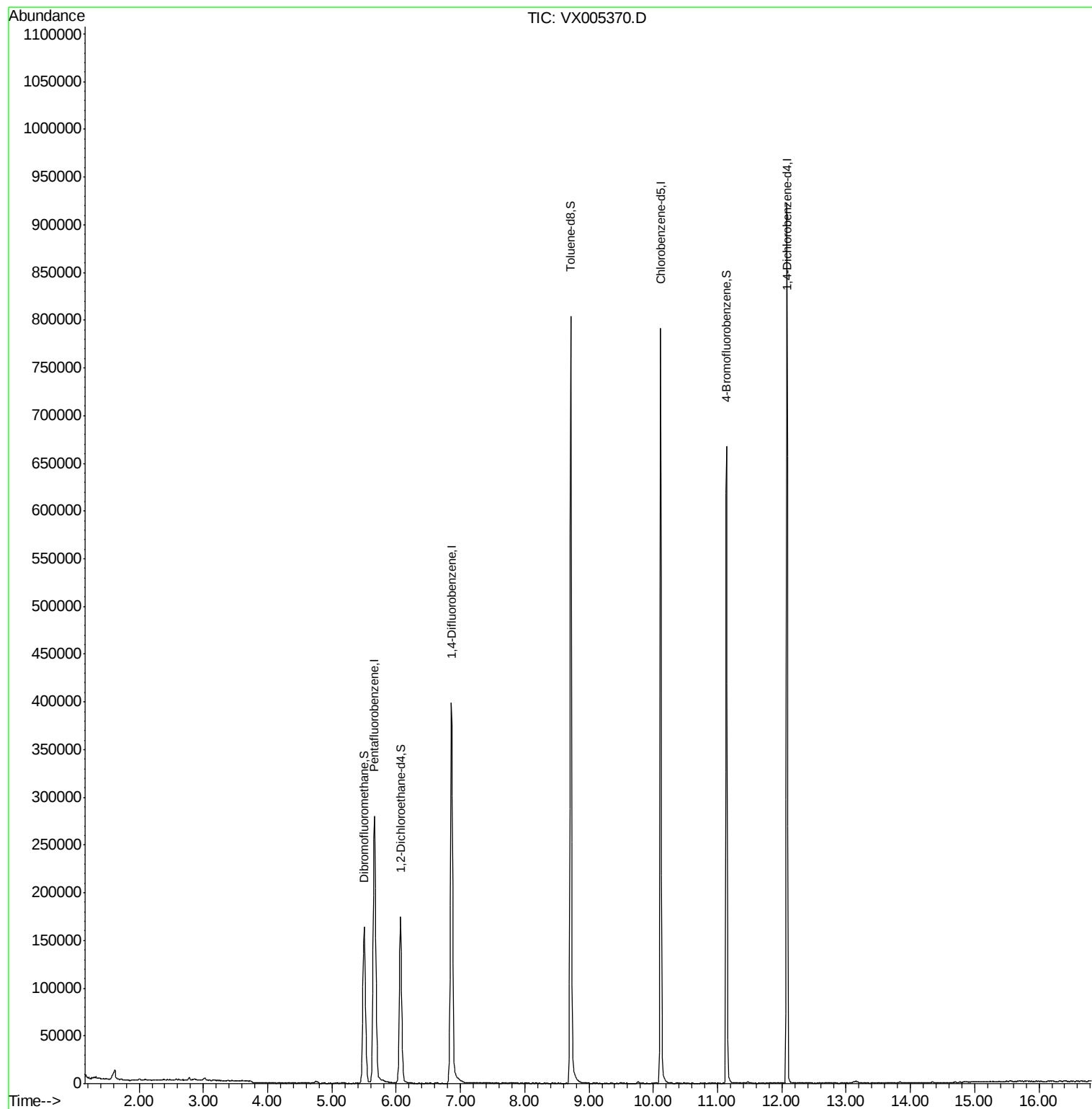
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX101618\  
Data File : VX005370.D  
Acq On : 16 Oct 2018 15:58  
Operator : JC/MD  
Sample : I.BLK  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
I.BLK

Quant Time: Oct 17 07:03:50 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X101218W.M  
Quant Title : SW846 8260  
QLast Update : Fri Oct 12 11:28:43 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX005370.D

Acq: 16 Oct 2018 15:58

Instrument :

MSVOA\_X

ClientSampleId :

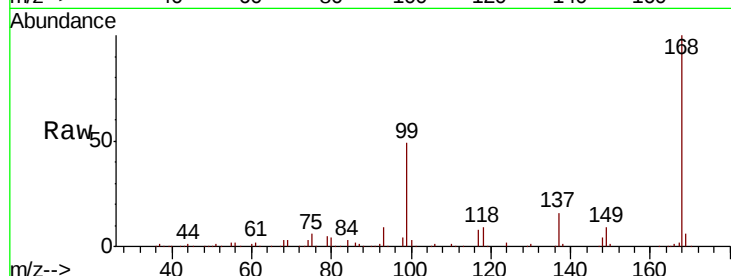
I.BLK

Tot Ion:168 Resp: 303281

Ion Ratio Lower Upper

168 100

99 48.7 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

60000

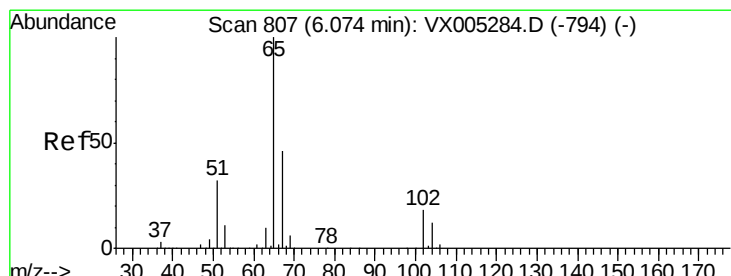
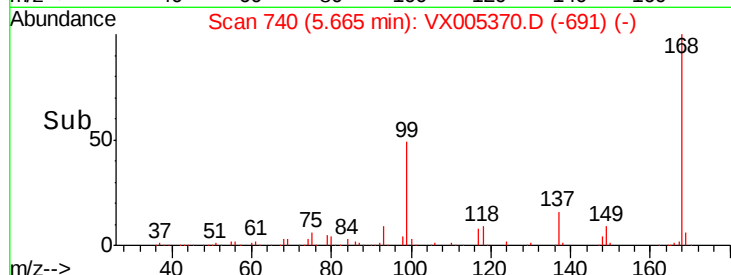
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#33

1,2-Dichloroethane-d4

Concen: 49.736 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX005370.D

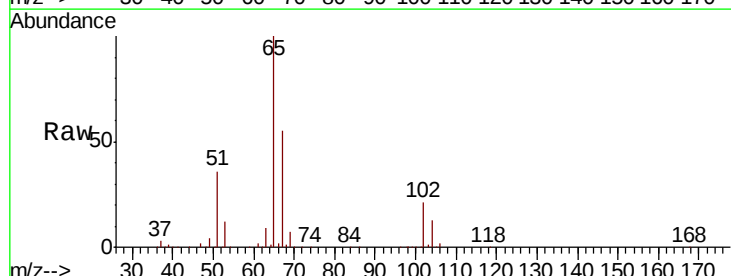
Acq: 16 Oct 2018 15:58

Tgt Ion: 65 Resp: 167409

Ion Ratio Lower Upper

65 100

67 53.3 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

60000

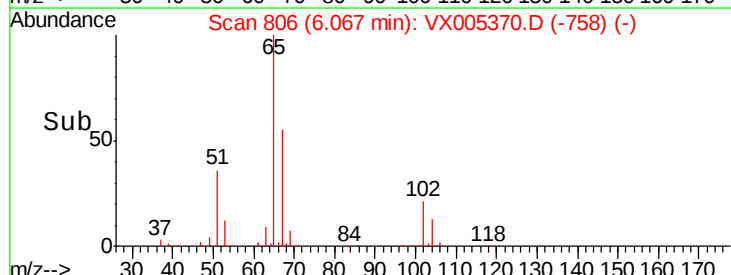
40000

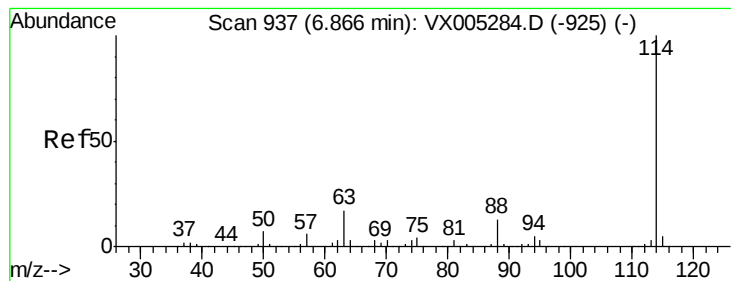
20000

0

Time-->

5.90 6.00 6.10 6.20 6.30





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.01 min

Lab File: VX005370.D

Acq: 16 Oct 2018 15:58

Instrument :

MSVOA\_X

ClientSampleId :

I.BLK

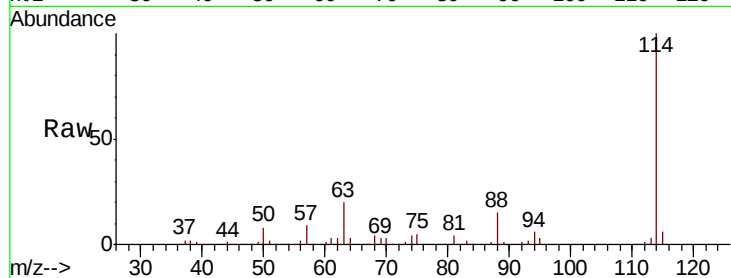
Tot Ion:114 Resp: 423364

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.0

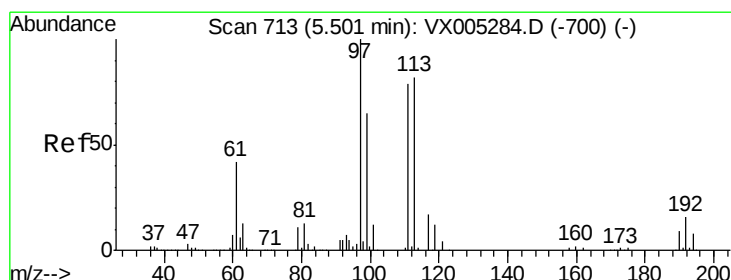
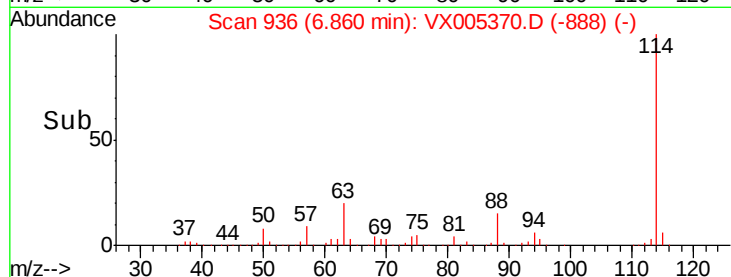
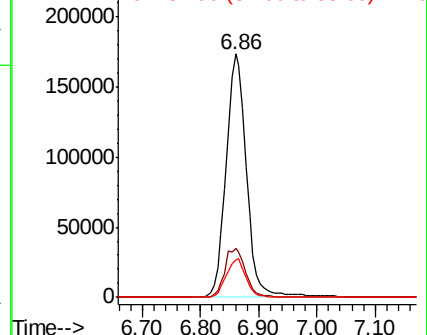
88 15.5 0.0 30.4



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: 51.495 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX005370.D

Acq: 16 Oct 2018 15:58

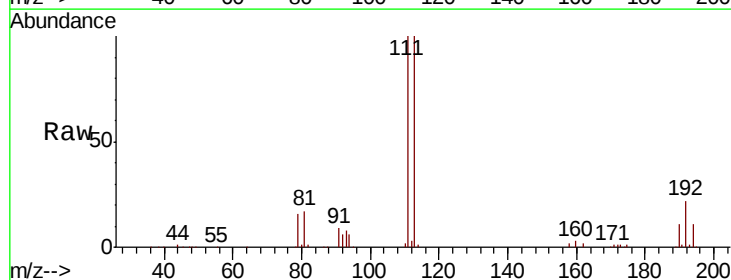
Tgt Ion:113 Resp: 144395

Ion Ratio Lower Upper

113 100

111 100.1 82.4 123.6

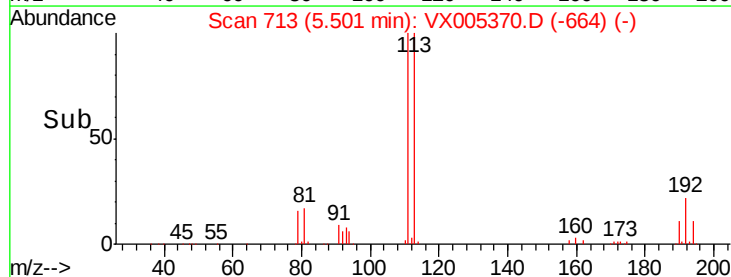
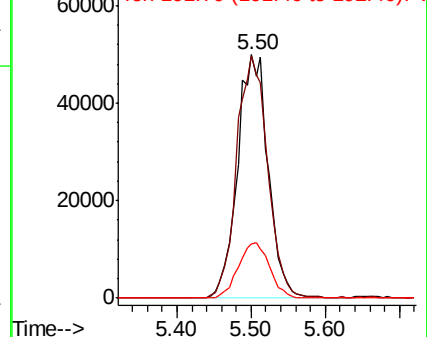
192 23.1 19.4 29.2

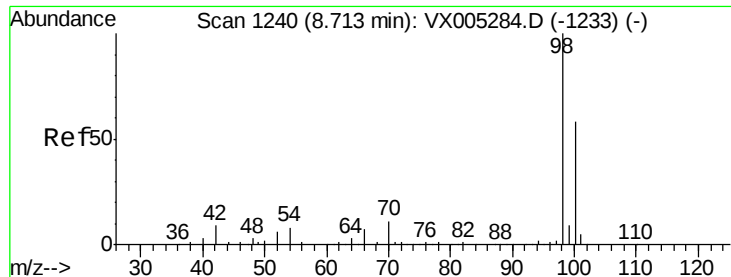


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 52.921 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005370.D

Acq: 16 Oct 2018 15:58

Instrument :

MSVOA\_X

ClientSampleId :

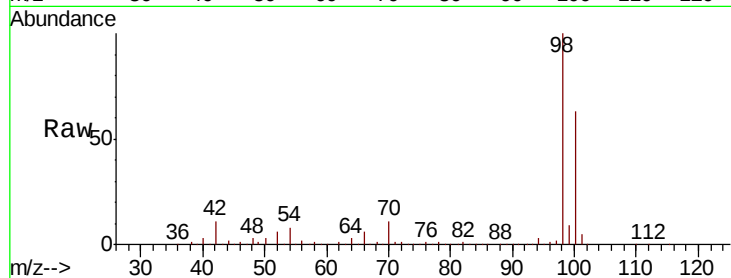
I.BLK

Tot Ion: 98 Resp: 509442

Ion Ratio Lower Upper

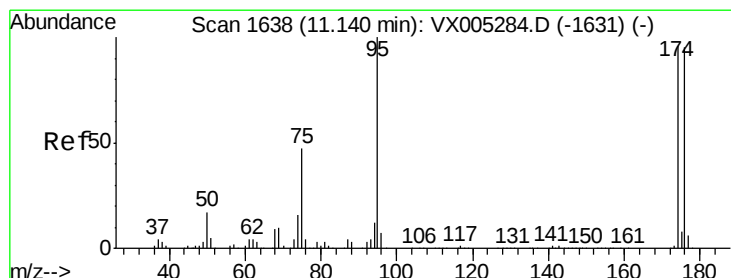
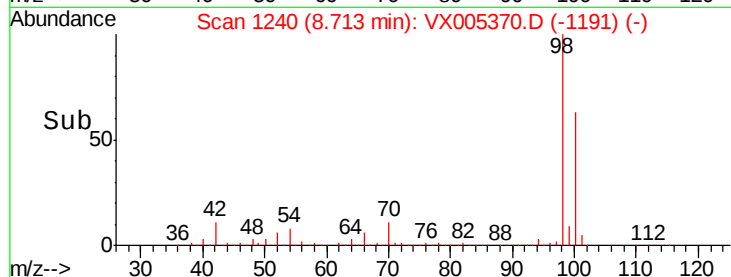
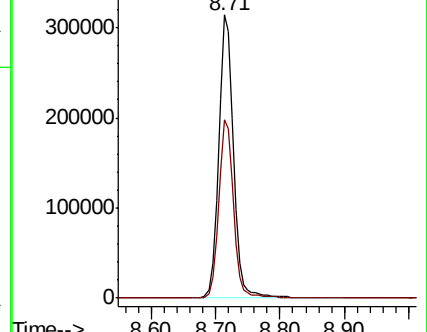
98 100

100 63.2 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 47.388 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005370.D

Acq: 16 Oct 2018 15:58

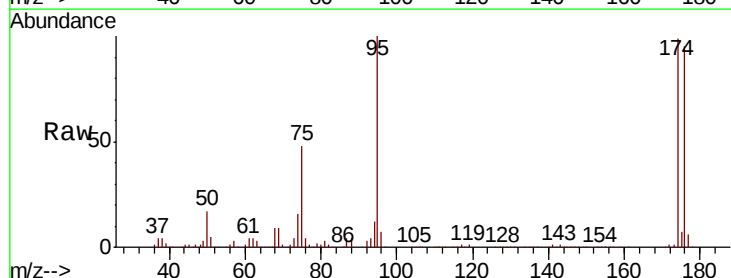
Tgt Ion: 95 Resp: 171371

Ion Ratio Lower Upper

95 100

174 95.7 0.0 185.2

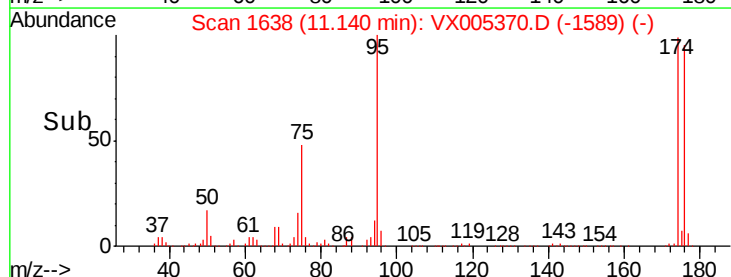
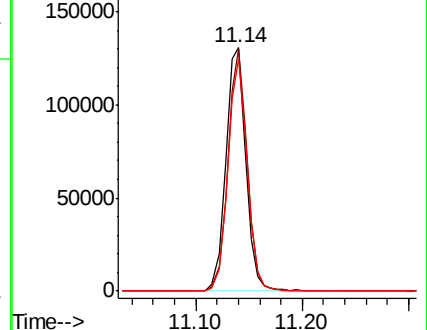
176 92.0 0.0 178.6

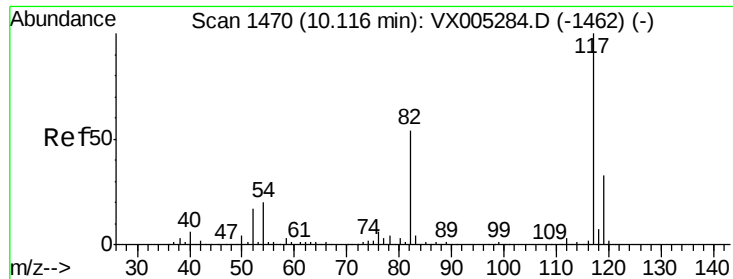


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

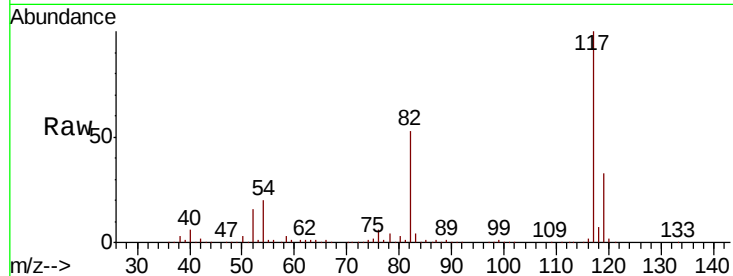




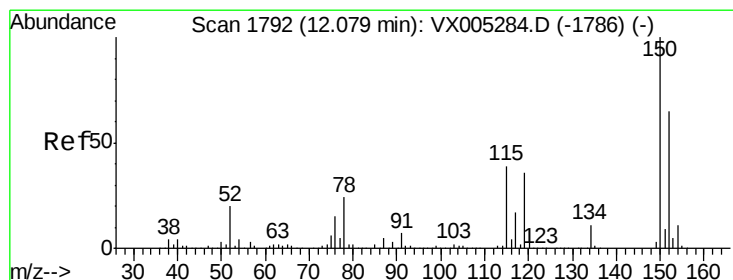
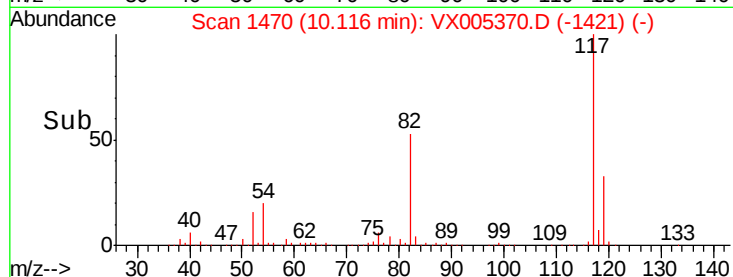
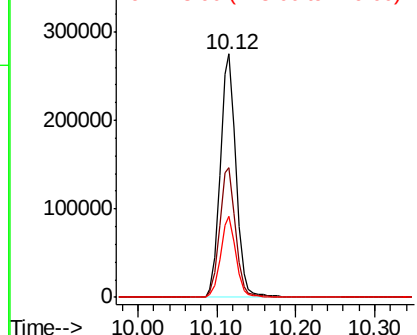
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. -0.00 min  
Lab File: VX005370.D  
Acq: 16 Oct 2018 15:58

Instrument :  
MSVOA\_X  
ClientSampleId :  
I.BLK

Tot Ion:117 Resp: 383211  
Ion Ratio Lower Upper  
117 100  
82 53.1 47.8 71.6  
119 33.1 29.3 43.9

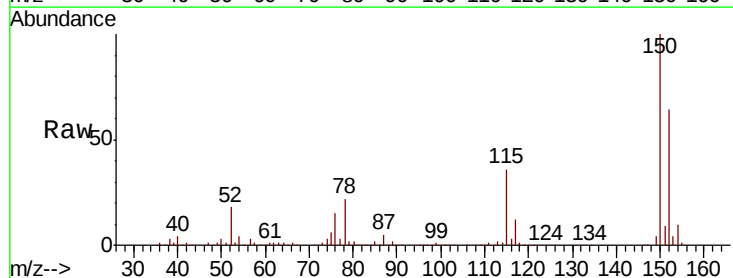


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. -0.00 min  
Lab File: VX005370.D  
Acq: 16 Oct 2018 15:58

Tgt Ion:152 Resp: 192290  
Ion Ratio Lower Upper  
152 100  
115 54.8 39.0 117.0  
150 156.2 0.0 351.0



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

