

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060819\  
 Data File : VX010162.D  
 Acq On : 09 Jun 2019 00:30  
 Operator : JC/SP  
 Sample : I.BLK  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 I.BLK

Quant Time: Jun 10 09:16:37 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X060719W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 08 02:12:13 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 280592   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 427973   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 388050   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 178304   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 126660   | 46.24 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 92.48%  |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 131294   | 49.74 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 99.48%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 502391   | 50.78 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 101.56% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 172647   | 46.73 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 93.46%  |          |

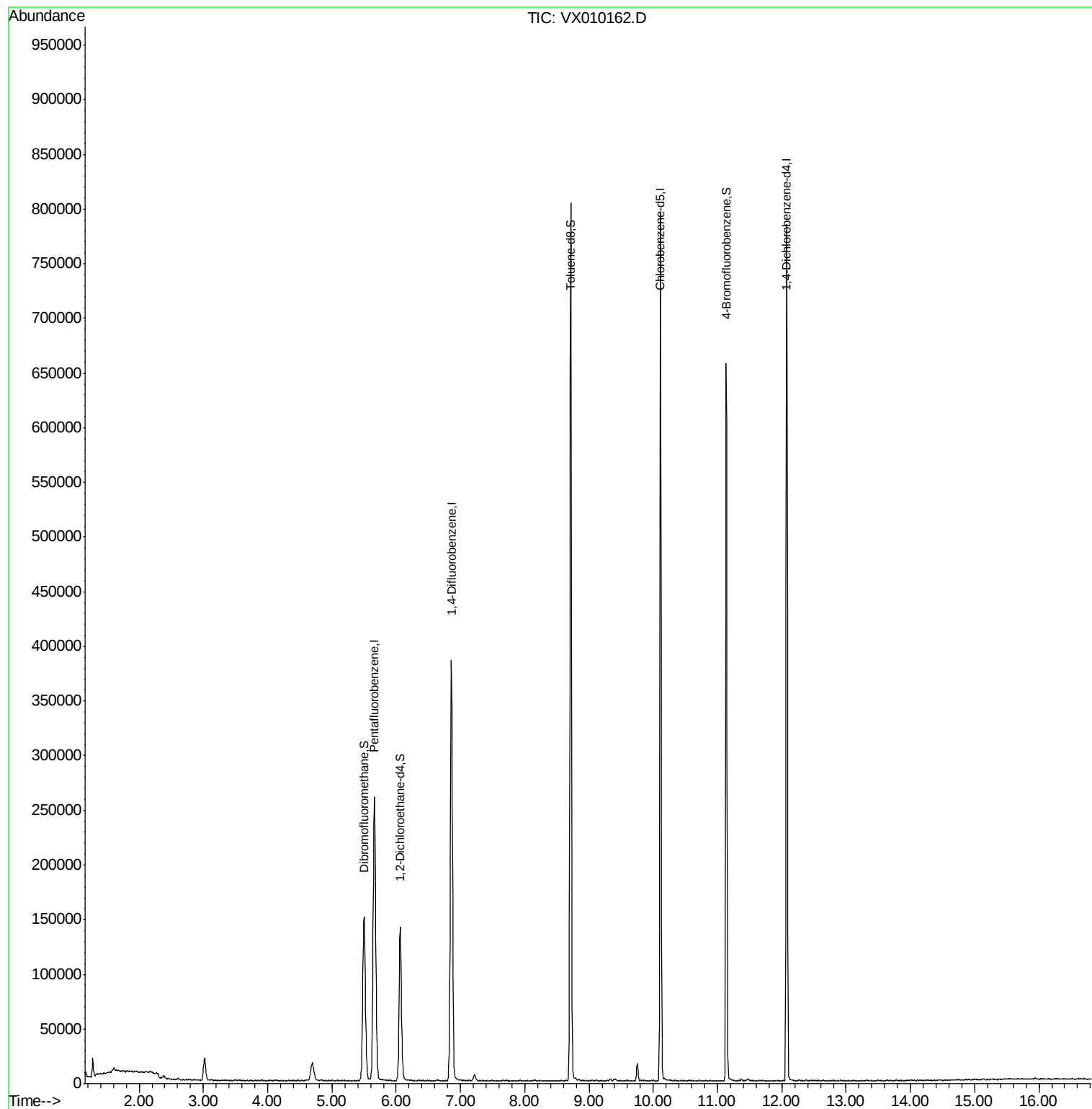
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

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

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I.BLK

Quant Time: Jun 10 09:16:37 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X060719W.M  
Quant Title : SW846 8260  
QLast Update : Sat Jun 08 02:12:13 2019  
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: VX010162.D

Acq: 09 Jun 2019 00:30

Instrument :

MSVOA\_X

ClientSampleId :

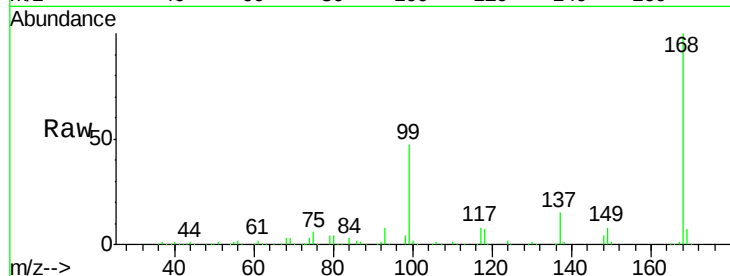
I.BLK

Tot Ion:168 Resp: 280592

Ion Ratio Lower Upper

168 100

99 47.2 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

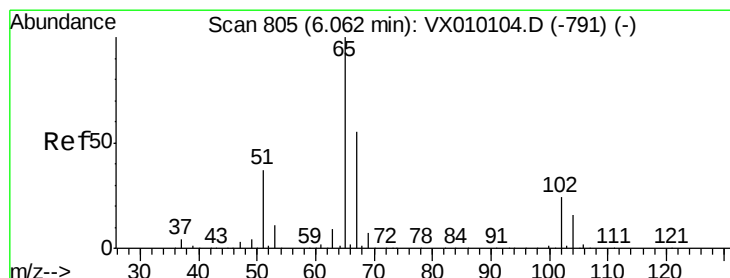
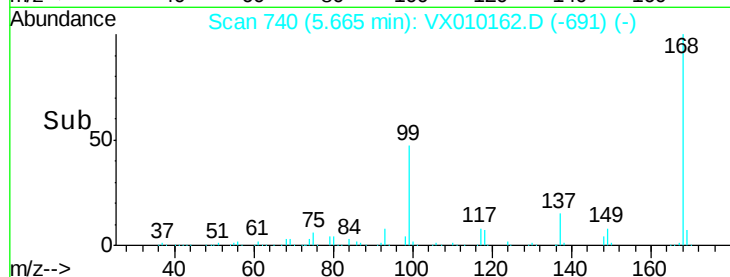
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#33

1,2-Dichloroethane-d4

Concen: 46.245 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010162.D

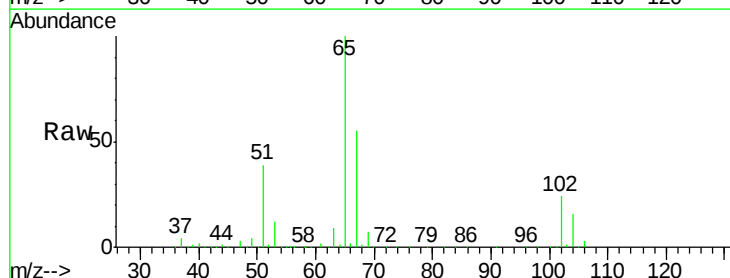
Acq: 09 Jun 2019 00:30

Tgt Ion: 65 Resp: 126660

Ion Ratio Lower Upper

65 100

67 54.9 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

50000

40000

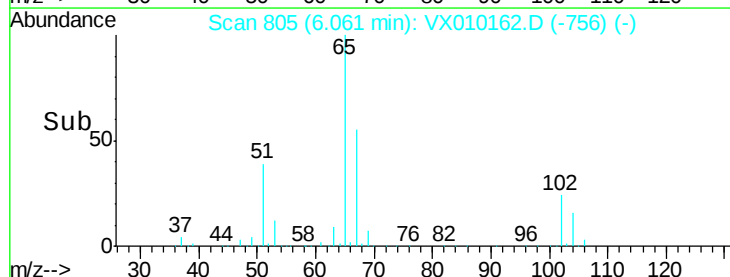
30000

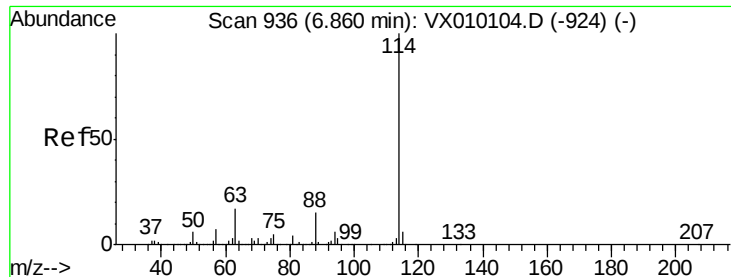
20000

10000

0

Time--> 5.90 6.00 6.10 6.20





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX010162.D

Acq: 09 Jun 2019 00:30

Instrument :

MSVOA\_X

ClientSampleId :

I.BLK

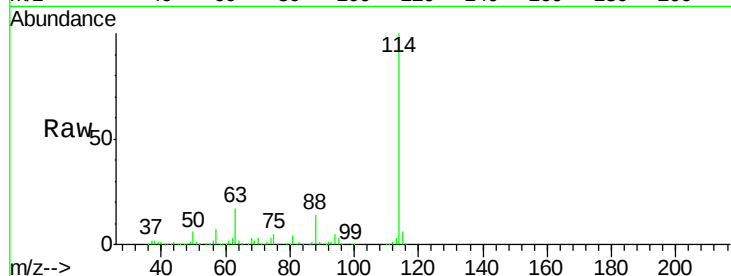
Tot Ion:114 Resp: 427973

Ion Ratio Lower Upper

114 100

63 17.2 0.0 47.4

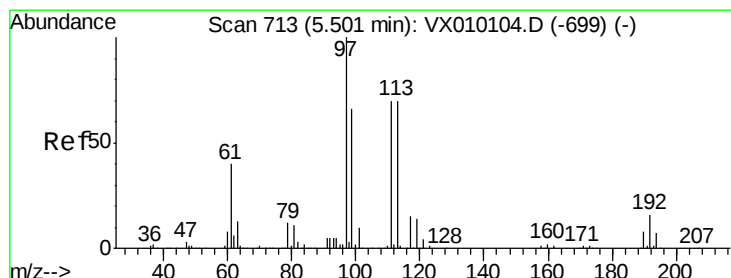
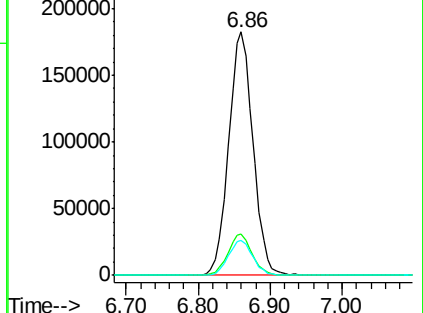
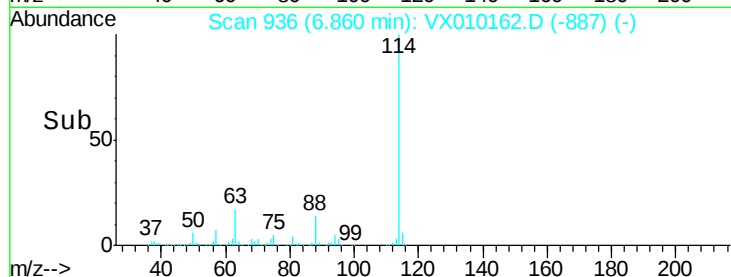
88 14.4 0.0 33.0



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: 49.736 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010162.D

Acq: 09 Jun 2019 00:30

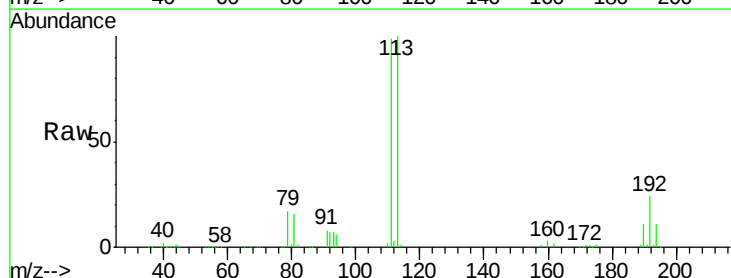
Tgt Ion:113 Resp: 131294

Ion Ratio Lower Upper

113 100

111 101.1 82.2 123.2

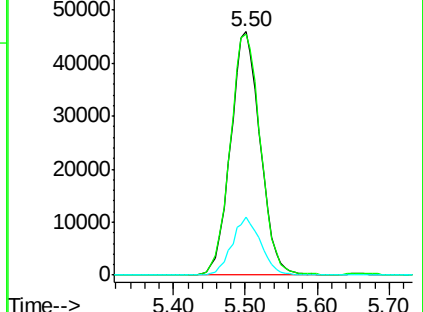
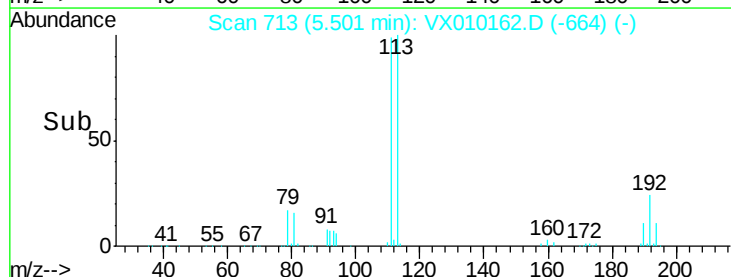
192 23.1 17.1 25.7

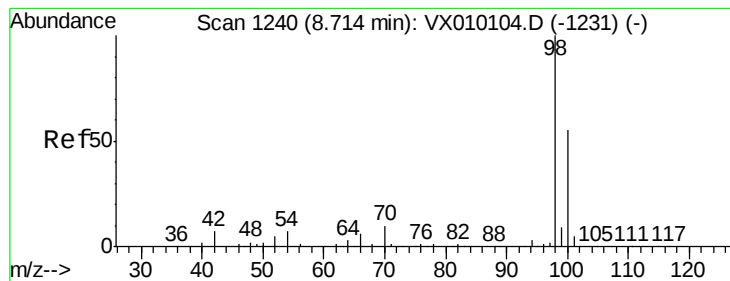


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 50.779 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010162.D

Acq: 09 Jun 2019 00:30

Instrument :

MSVOA\_X

ClientSampled :

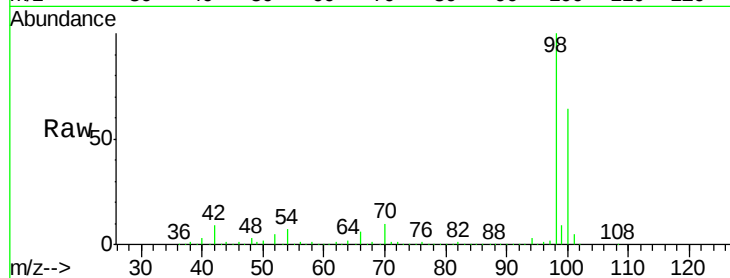
I.BLK

Tot Ion: 98 Resp: 502391

Ion Ratio Lower Upper

98 100

100 64.1 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.71

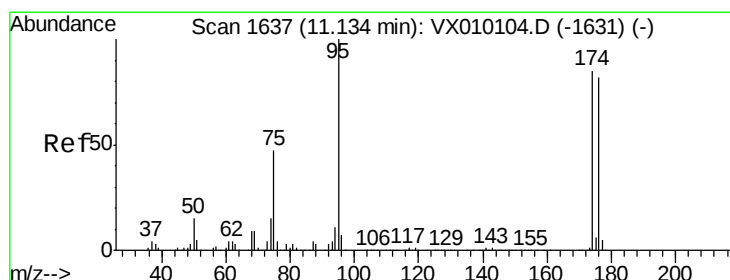
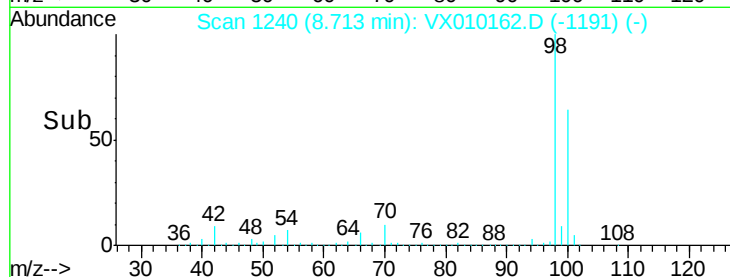
300000

200000

100000

0

Time--> 8.60 8.70 8.80



#62

4-Bromofluorobenzene

Concen: 46.726 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010162.D

Acq: 09 Jun 2019 00:30

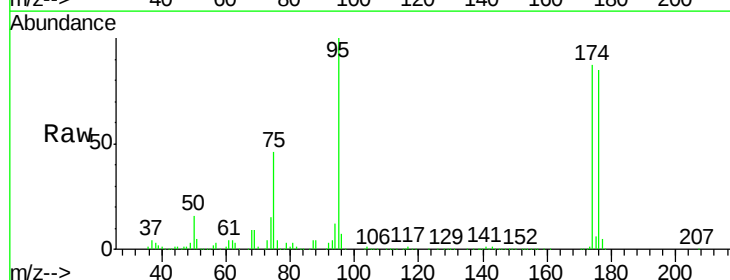
Tgt Ion: 95 Resp: 172647

Ion Ratio Lower Upper

95 100

174 93.9 0.0 160.4

176 90.7 0.0 154.6



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

11.13

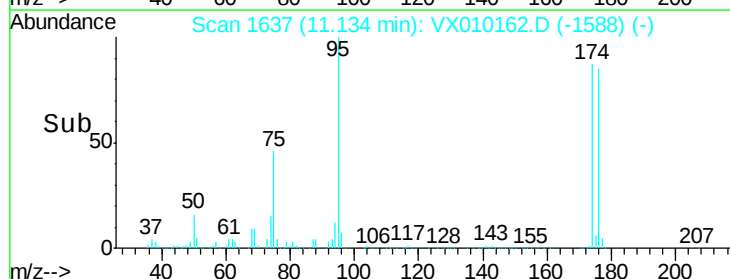
150000

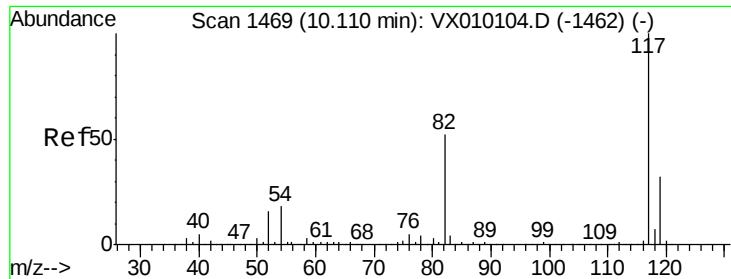
100000

50000

0

Time--> 11.05 11.10 11.15 11.20

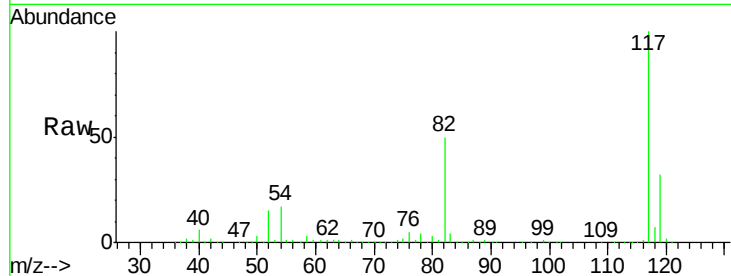




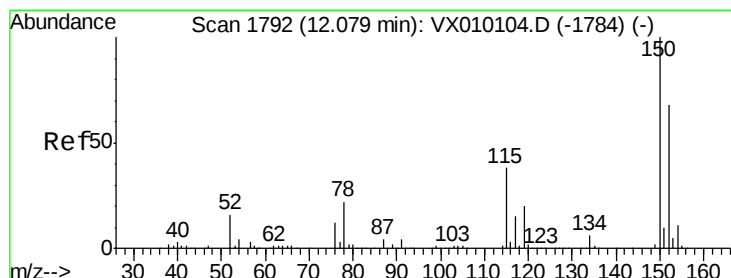
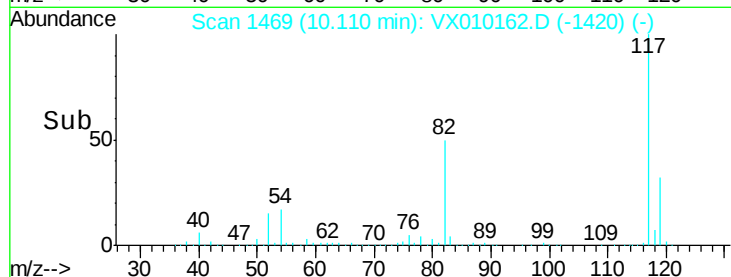
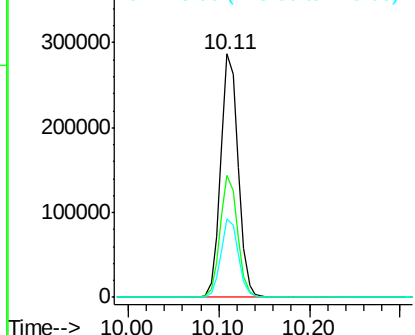
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. -0.00 min  
Lab File: VX010162.D  
Acq: 09 Jun 2019 00:30

Instrument :  
MSVOA\_X  
ClientSampleId :  
I.BLK

Tot Ion:117 Resp: 388050  
Ion Ratio Lower Upper  
117 100  
82 50.0 49.2 73.8  
119 32.4 25.2 37.8

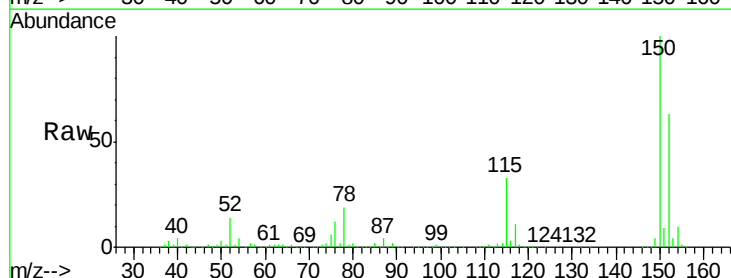


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. -0.00 min  
Lab File: VX010162.D  
Acq: 09 Jun 2019 00:30

Tgt Ion:152 Resp: 178304  
Ion Ratio Lower Upper  
152 100  
115 55.2 41.4 124.2  
150 160.1 0.0 345.2



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

