

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120419\  
 Data File : VX013750.D  
 Acq On : 04 Dec 2019 15:30  
 Operator : JC/SP  
 Sample : K6095-04  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 STORAGE-BLANK-SAMPLE-MANA

Quant Time: Dec 05 02:15:15 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X112619W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 26 15:53:00 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.65  | 168  | 693350   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.85  | 114  | 1039509  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 924907   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152  | 408949   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4   | 6.05   | 65  | 373869   | 46.45 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 92.90% |      |
| 35) Dibromofluoromethane    | 5.49   | 113 | 312071   | 48.56 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 97.12% |      |
| 50) Toluene-d8              | 8.71   | 98  | 1224490  | 48.91 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 97.82% |      |
| 62) 4-Bromofluorobenzene    | 11.13  | 95  | 412293   | 45.66 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 91.32% |      |

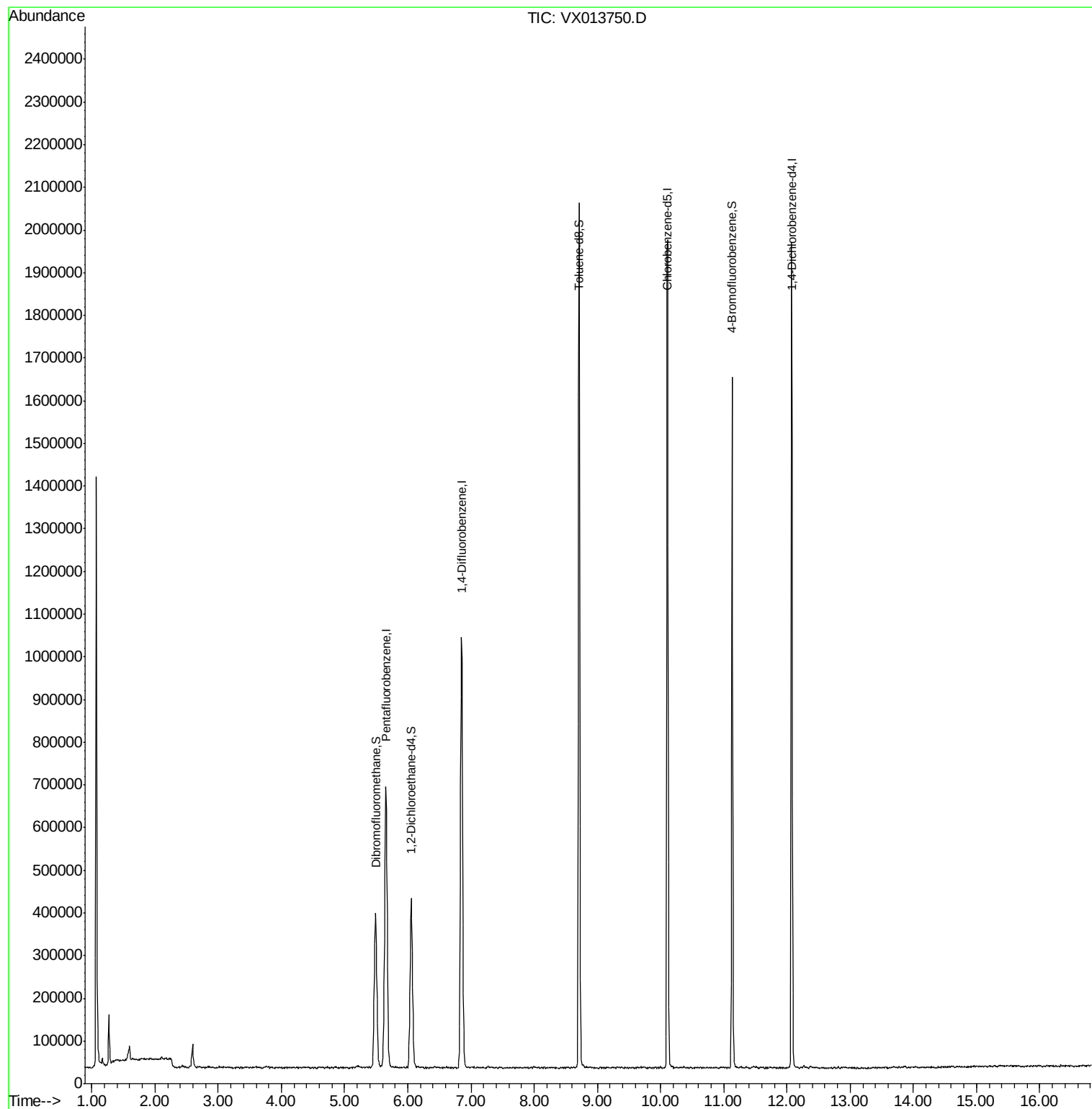
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

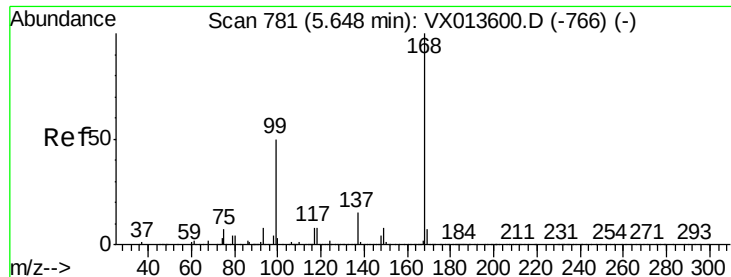
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX120419\  
Data File : VX013750.D  
Acq On : 04 Dec 2019 15:30  
Operator : JC/SP  
Sample : K6095-04  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-SAMPLE-MANA

Quant Time: Dec 05 02:15:15 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X112619W.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 26 15:53:00 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013750.D

Acq: 04 Dec 2019 15:30

Instrument :

MSVOA\_X

ClientSampleId :

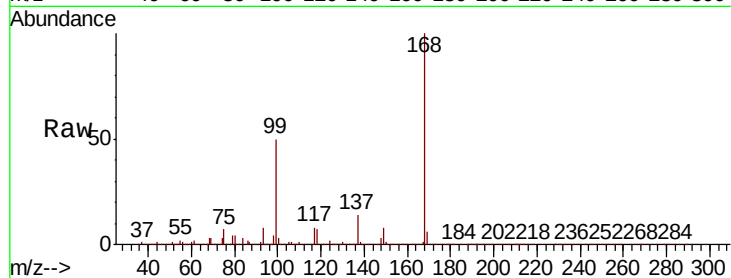
STORAGE-BLANK-SAMPLE-MANA

Tot Ion:168 Resp: 693350

Ion Ratio Lower Upper

168 100

99 49.5 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

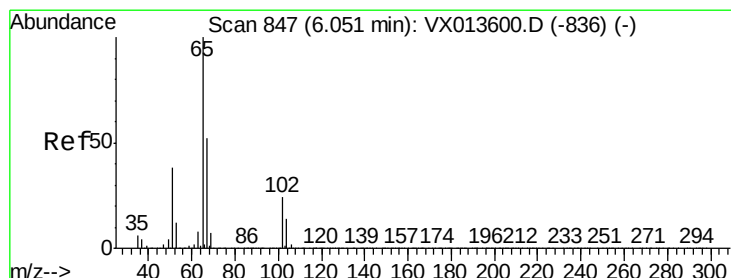
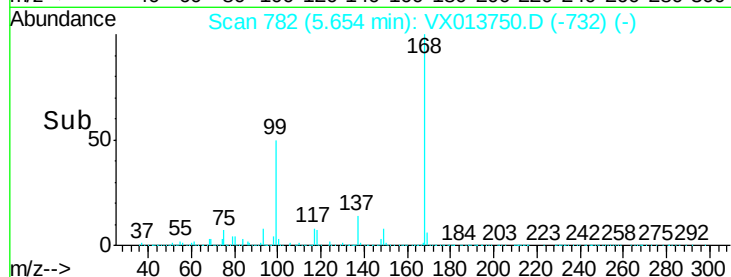
150000

100000

50000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 46.454 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013750.D

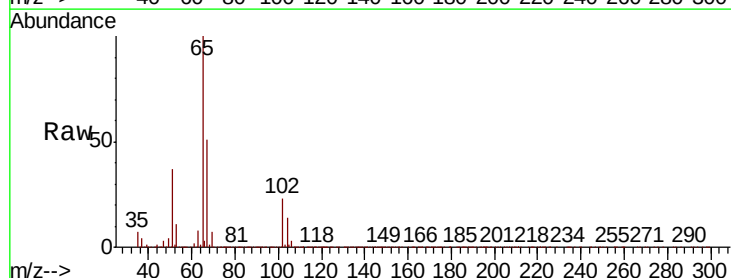
Acq: 04 Dec 2019 15:30

Tgt Ion: 65 Resp: 373869

Ion Ratio Lower Upper

65 100

67 52.2 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

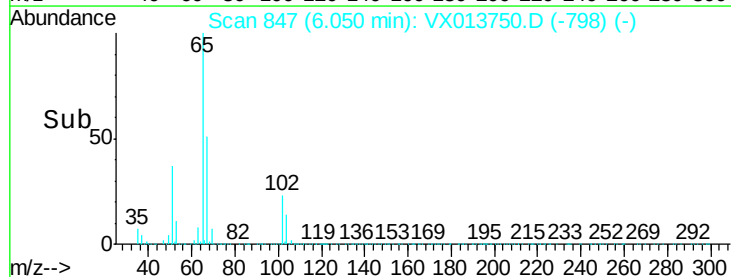
150000

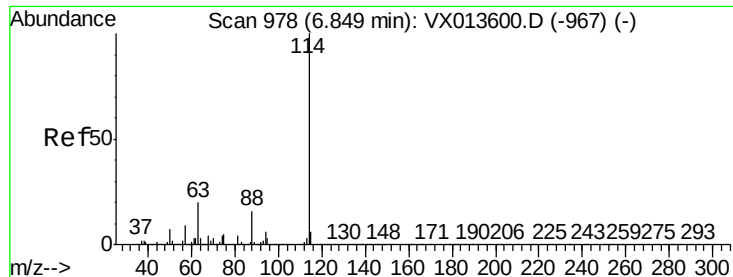
100000

50000

0

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013750.D

Acq: 04 Dec 2019 15:30

Instrument :

MSVOA\_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

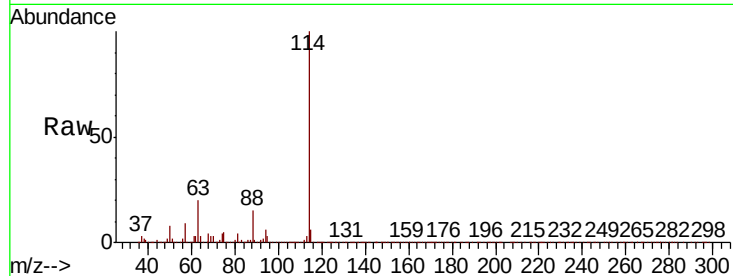
Tot Ion:114 Resp: 1039509

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.6

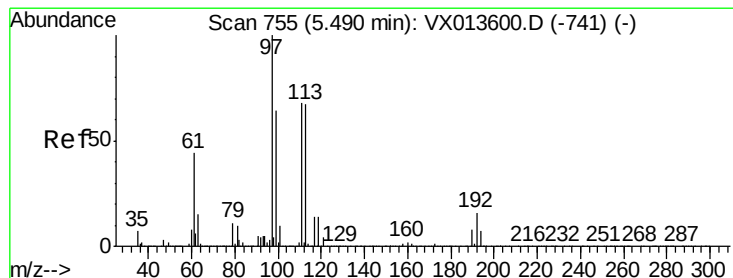
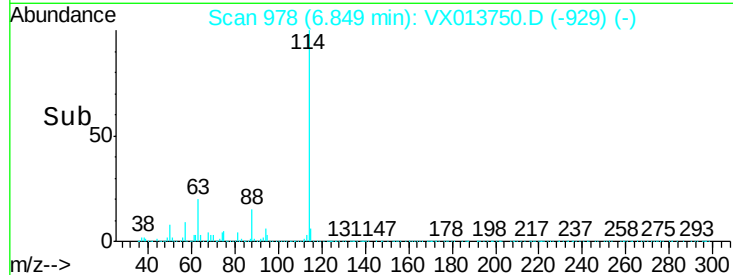
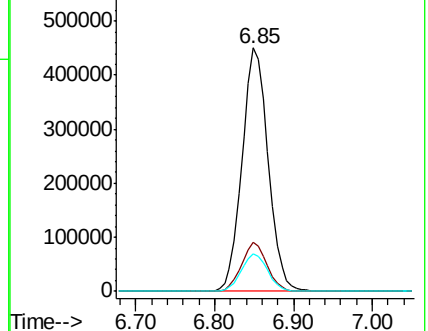
88 15.4 0.0 31.4



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: 48.561 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX013750.D

Acq: 04 Dec 2019 15:30

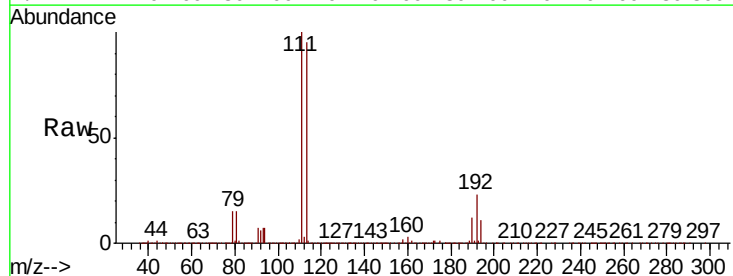
Tgt Ion:113 Resp: 312071

Ion Ratio Lower Upper

113 100

111 103.0 83.6 125.4

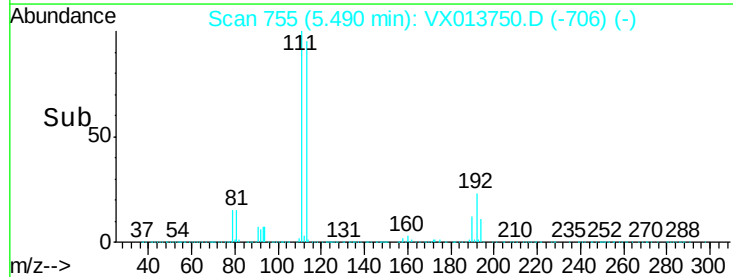
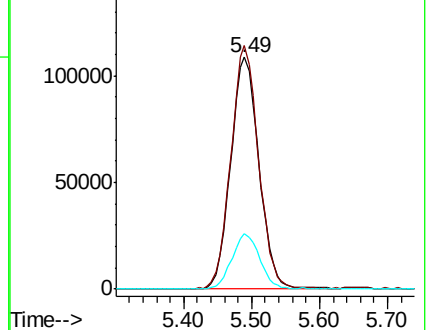
192 23.8 19.2 28.8

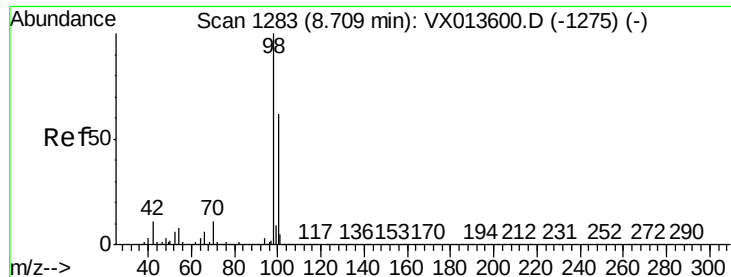


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 48.905 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013750.D

Acq: 04 Dec 2019 15:30

Instrument :

MSVOA\_X

ClientSampleId :

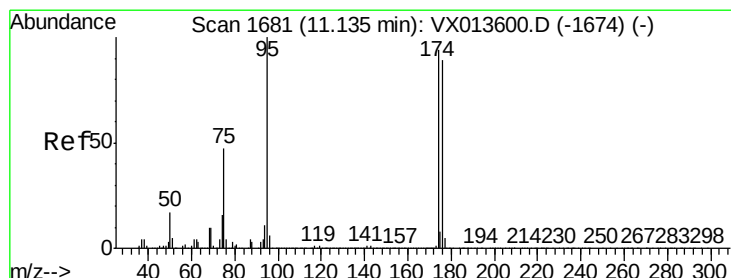
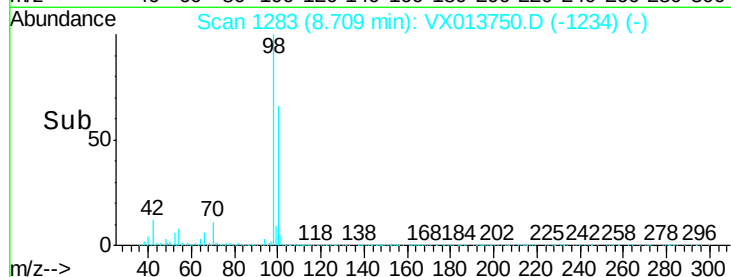
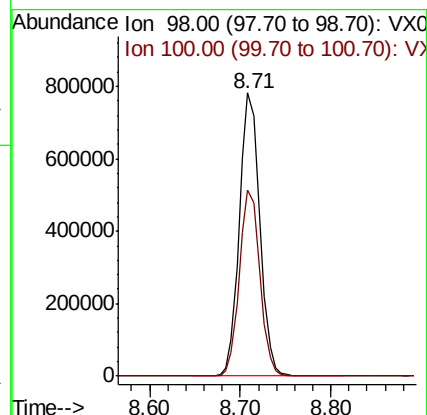
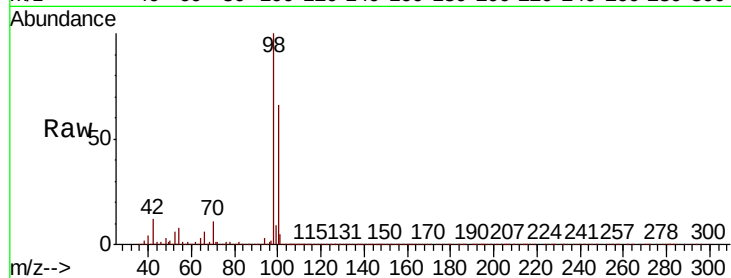
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 98 Resp: 1224490

Ion Ratio Lower Upper

98 100

100 65.9 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 45.665 ug/l

RT: 11.13 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX013750.D

Acq: 04 Dec 2019 15:30

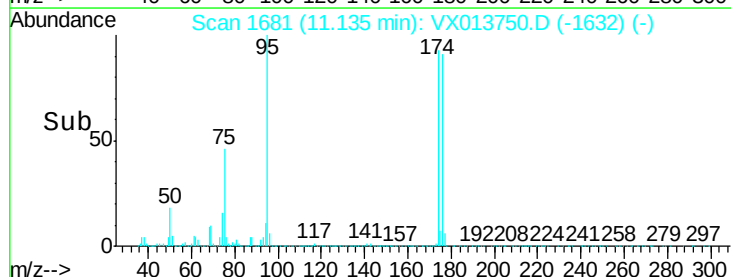
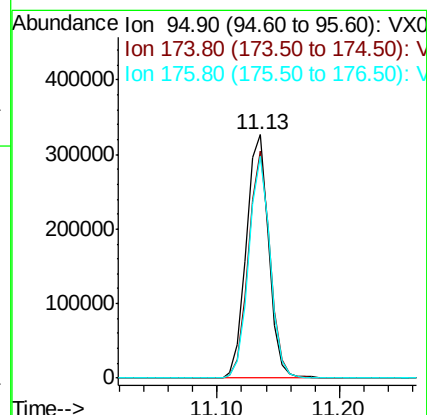
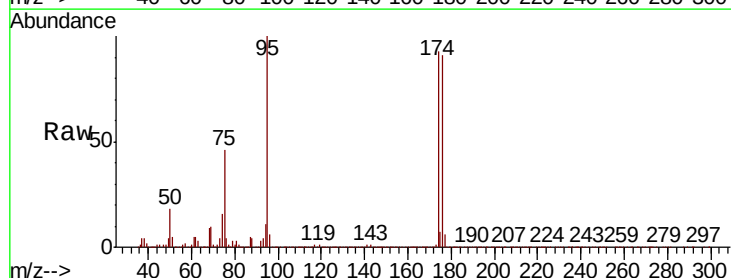
Tgt Ion: 95 Resp: 412293

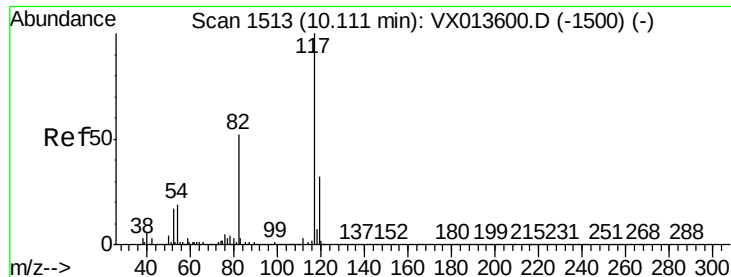
Ion Ratio Lower Upper

95 100

174 90.1 0.0 180.0

176 87.4 0.0 173.6

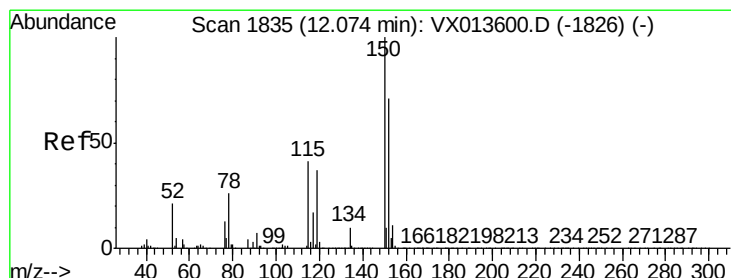
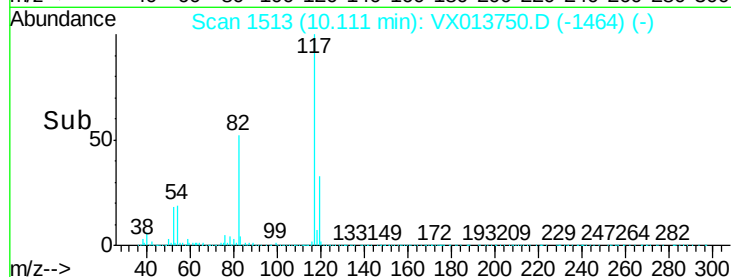
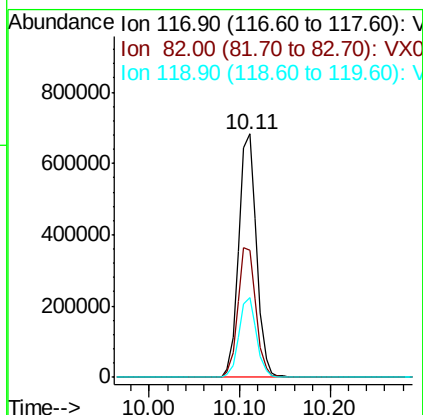
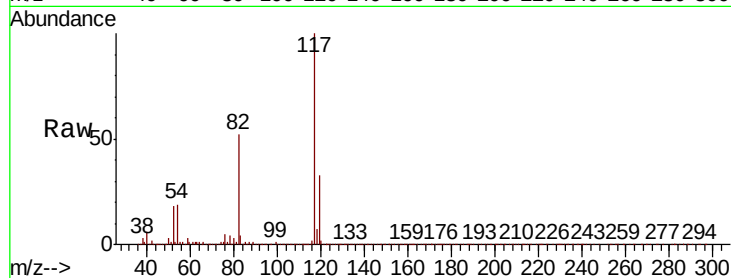




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1513  
Delta R.T. -0.00 min  
Lab File: VX013750.D  
Acq: 04 Dec 2019 15:30

Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-SAMPLE-MANA

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 52.1  | 41.8  | 62.8  |
| 119     | 32.5  | 25.8  | 38.8  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.07 min Scan# 1835  
Delta R.T. -0.00 min  
Lab File: VX013750.D  
Acq: 04 Dec 2019 15:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 54.5  | 38.4  | 115.1 |
| 150     | 156.9 | 0.0   | 346.8 |

