

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091218\  
 Data File : VX004486.D  
 Acq On : 12 Sep 2018 11:26  
 Operator : JC/MD  
 Sample : VX0912MBL01  
 Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0912MBL01

Quant Time: Sep 13 01:35:57 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X091118W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 12 02:17:23 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 196829   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 309252   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 300166   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 163070   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 6.07   | 65  | 140888   | 55.51 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 111.02% |      |
| 35) Dibromofluoromethane    | 5.50   | 113 | 124249   | 43.91 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 87.82%  |      |
| 50) Toluene-d8              | 8.72   | 98  | 451436   | 47.57 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 95.14%  |      |
| 62) 4-Bromofluorobenzene    | 11.14  | 95  | 154446   | 45.59 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 91.18%  |      |

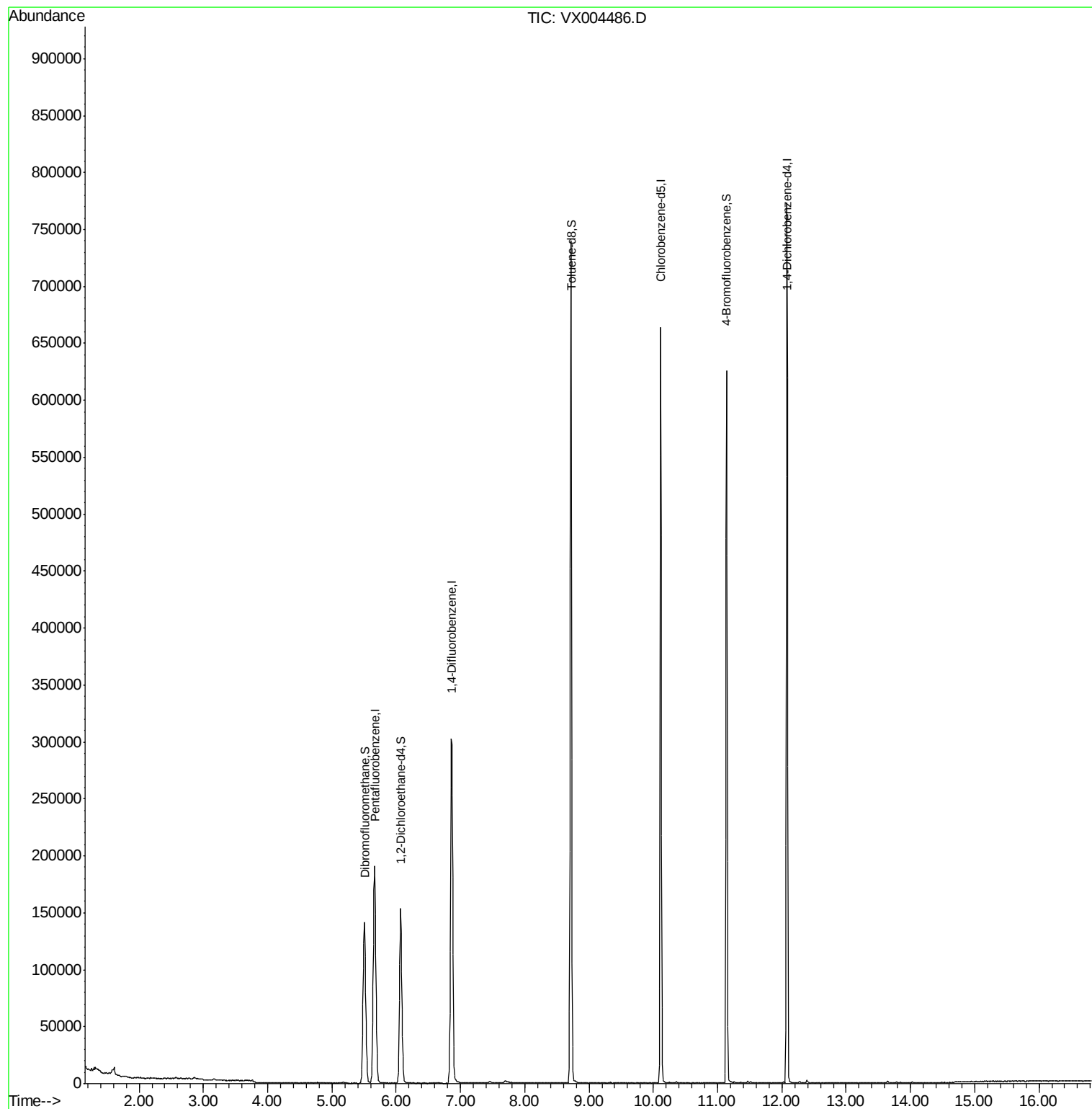
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

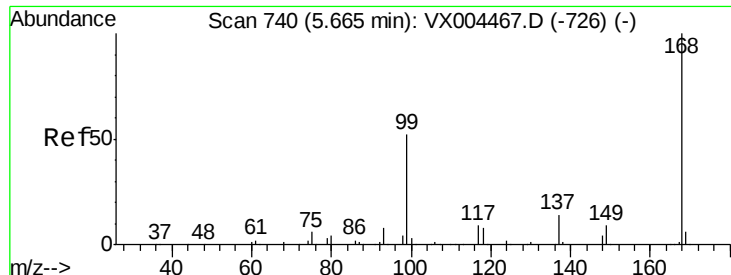
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X091118W.M  
Quant Title : SW846 8260  
QLast Update : Wed Sep 12 02:17:23 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX004486.D

Acq: 12 Sep 2018 11:26

Instrument :

MSVOA\_X

ClientSampleId :

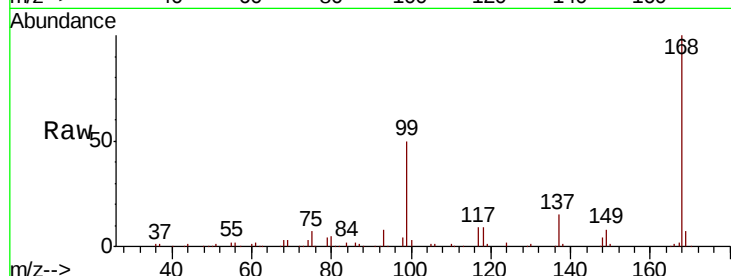
VX0912MBL01

Tot Ion:168 Resp: 196829

Ion Ratio Lower Upper

168 100

99 50.1 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

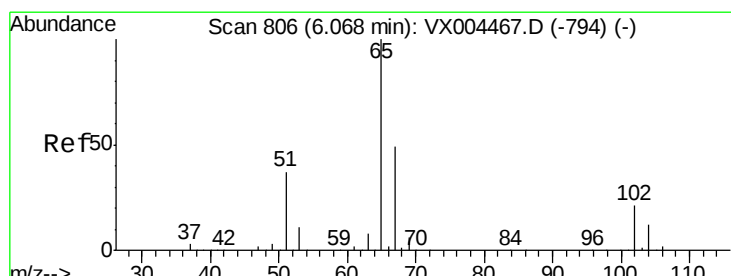
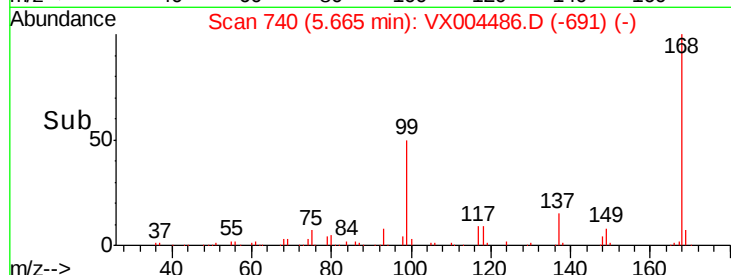
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#33

1,2-Dichloroethane-d4

Concen: 55.51 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX004486.D

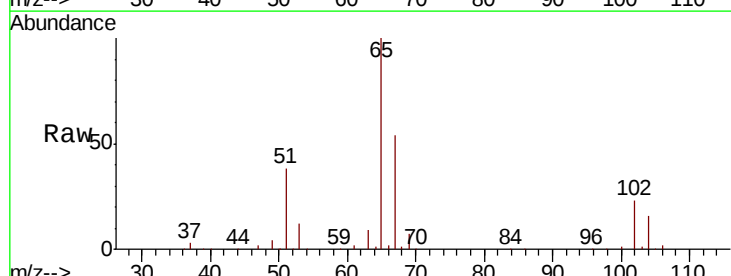
Acq: 12 Sep 2018 11:26

Tgt Ion: 65 Resp: 140888

Ion Ratio Lower Upper

65 100

67 54.5 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

50000

40000

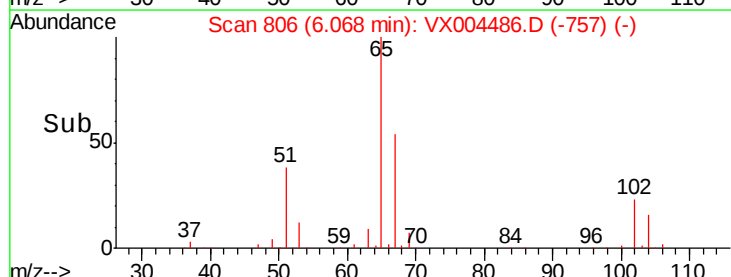
30000

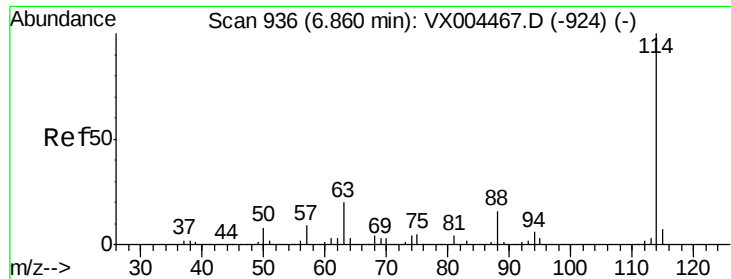
20000

10000

0

Time--> 5.90 6.00 6.10 6.20 6.30





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX004486.D

Acq: 12 Sep 2018 11:26

Instrument :

MSVOA\_X

ClientSampleId :

VX0912MBL01

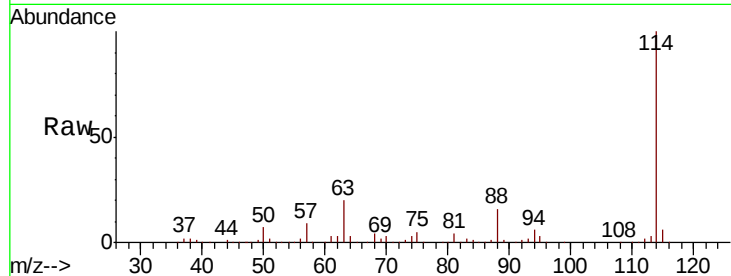
Tot Ion:114 Resp: 309252

Ion Ratio Lower Upper

114 100

63 20.3 0.0 39.0

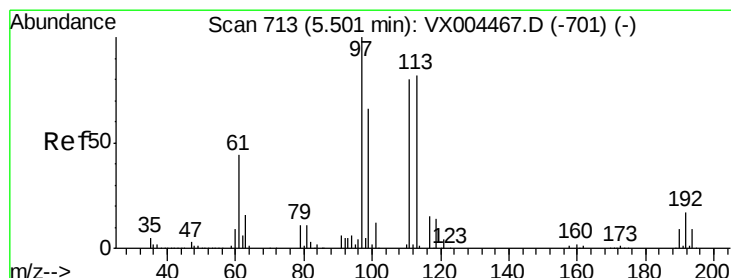
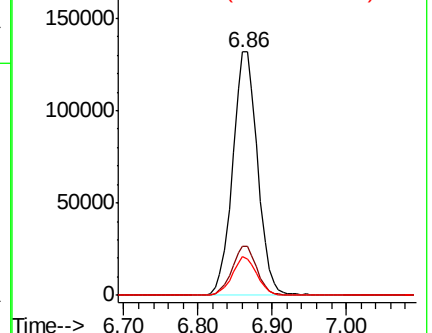
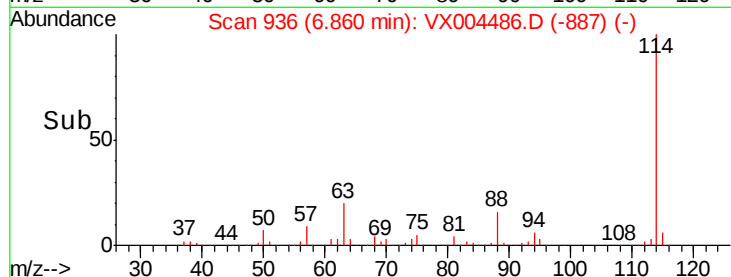
88 16.0 0.0 30.4



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: 43.91 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX004486.D

Acq: 12 Sep 2018 11:26

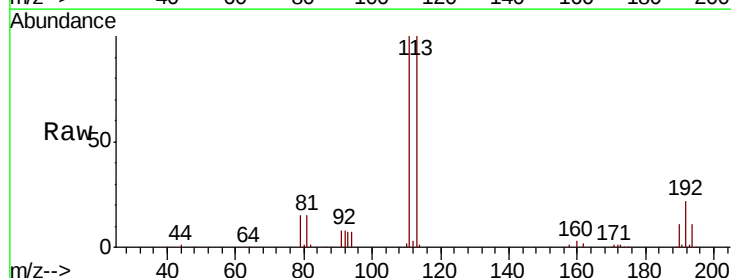
Tgt Ion:113 Resp: 124249

Ion Ratio Lower Upper

113 100

111 103.3 82.4 123.6

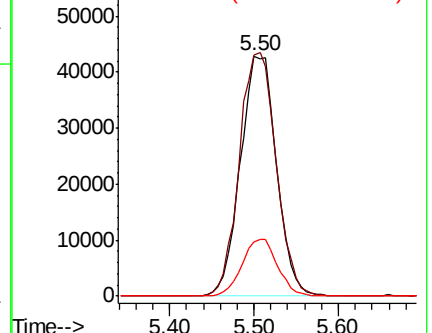
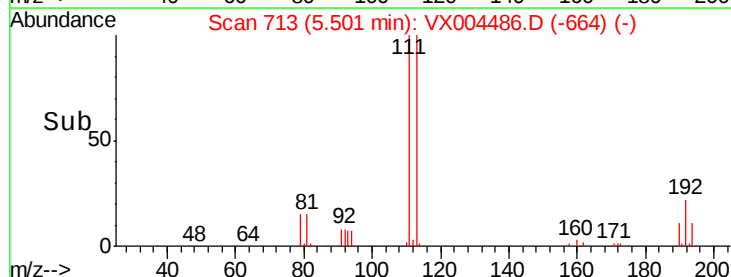
192 23.3 19.4 29.2

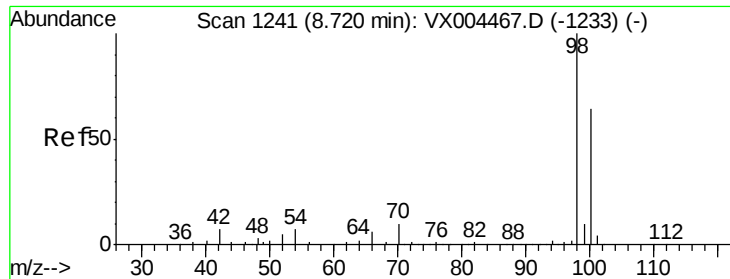


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

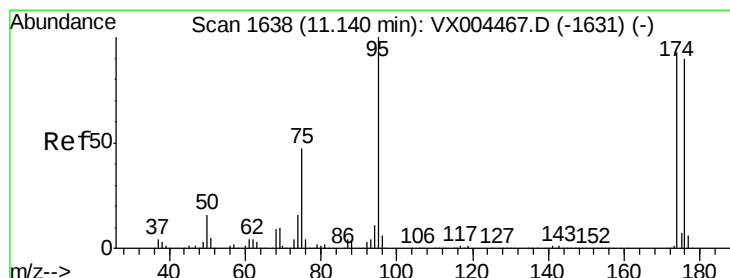
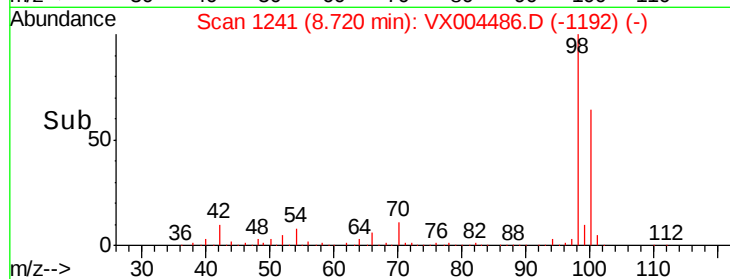
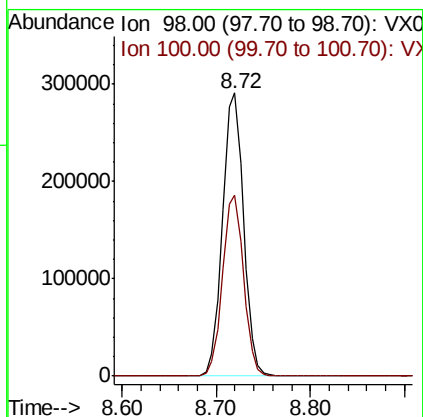
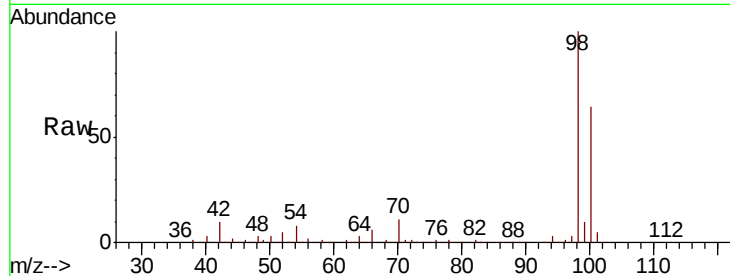




#50  
Toluene-d8  
Concen: 47.57 ug/l  
RT: 8.72 min Scan# 1241  
Delta R.T. 0.00 min  
Lab File: VX004486.D  
Acq: 12 Sep 2018 11:26

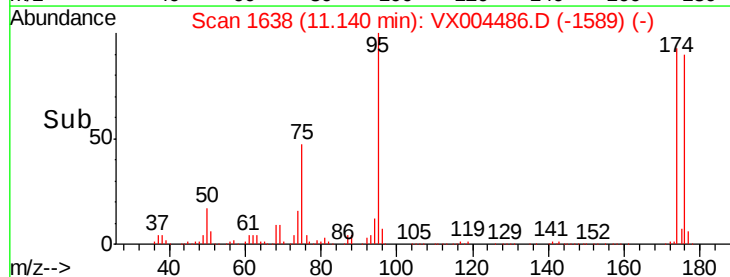
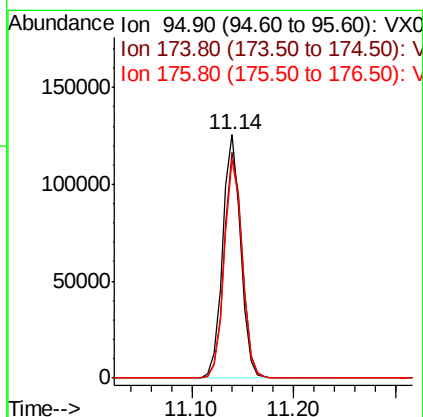
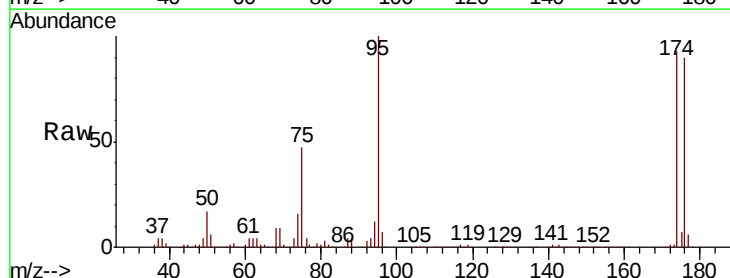
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0912MBL01

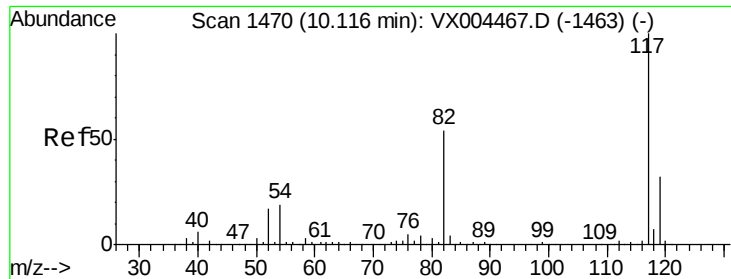
Tot Ion: 98 Resp: 451436  
Ion Ratio Lower Upper  
98 100  
100 63.6 52.9 79.3



#62  
4-Bromofluorobenzene  
Concen: 45.59 ug/l  
RT: 11.14 min Scan# 1638  
Delta R.T. 0.00 min  
Lab File: VX004486.D  
Acq: 12 Sep 2018 11:26

Tgt Ion: 95 Resp: 154446  
Ion Ratio Lower Upper  
95 100  
174 93.1 0.0 185.2  
176 89.8 0.0 178.6

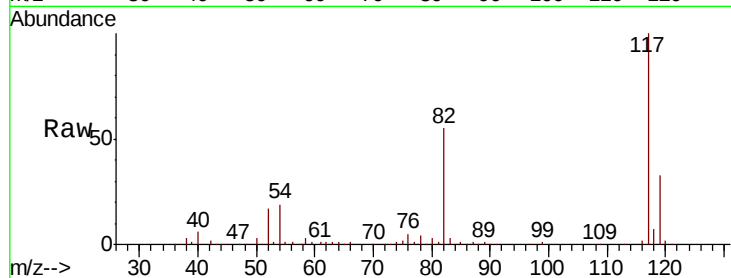




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. 0.00 min  
Lab File: VX004486.D  
Acq: 12 Sep 2018 11:26

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0912MBL01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 54.6  | 47.8  | 71.6  |
| 119     | 32.9  | 29.3  | 43.9  |

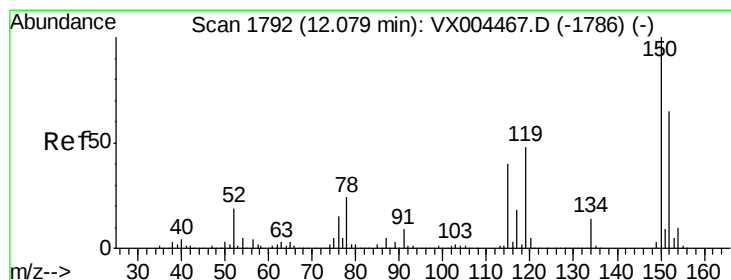
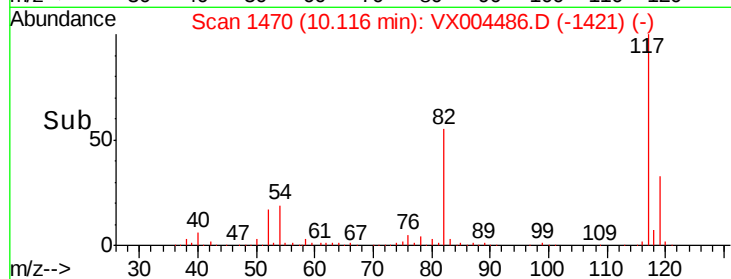
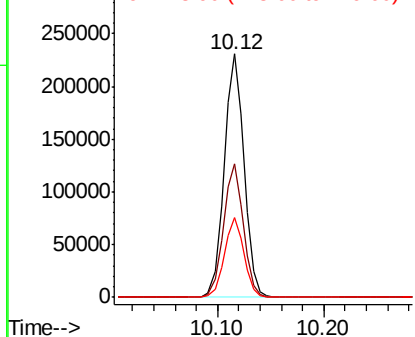


Abundance

Ion 116.90 (116.60 to 117.60): V

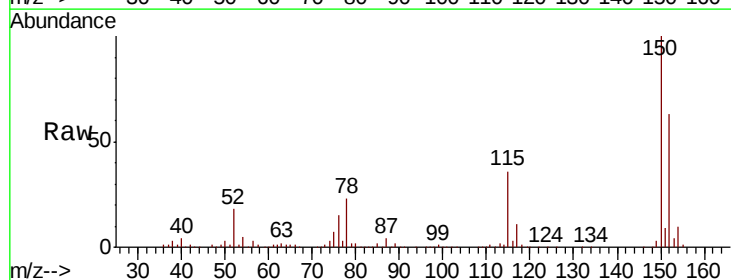
Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. 0.00 min  
Lab File: VX004486.D  
Acq: 12 Sep 2018 11:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 55.2  | 39.0  | 117.0 |
| 150     | 155.9 | 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

