

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX120418\  
 Data File : VX006269.D  
 Acq On : 04 Dec 2018 10:59  
 Operator : JC/MD  
 Sample : VX1204WBL01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1204WBL01

Quant Time: Dec 04 13:11:42 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X112918W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 30 03:55:33 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.66  | 168  | 805794   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 1195851  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 1084538  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 524101   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4   | 6.07   | 65  | 390912   | 47.52 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 95.04% |      |
| 35) Dibromofluoromethane    | 5.50   | 113 | 378146   | 48.84 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 97.68% |      |
| 50) Toluene-d8              | 8.71   | 98  | 1394798  | 49.53 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.06% |      |
| 62) 4-Bromofluorobenzene    | 11.13  | 95  | 511377   | 48.19 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.38% |      |

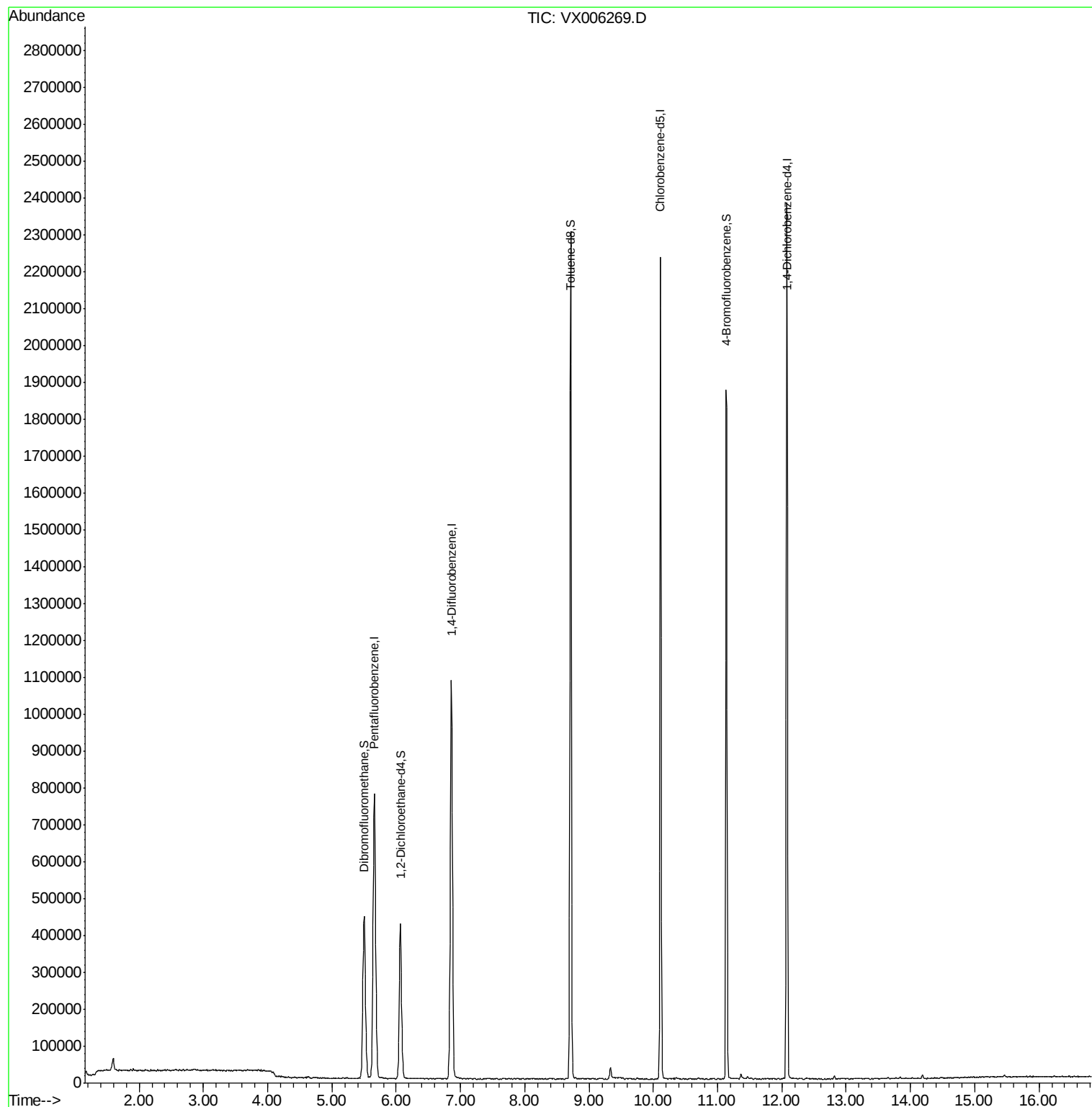
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

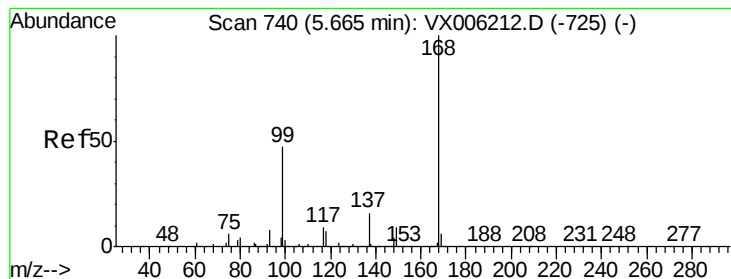
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_X  
ClientSampleId :  
VX1204WBL01

Quant Time: Dec 04 13:11:42 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X112918W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 30 03:55:33 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX006269.D

Acq: 04 Dec 2018 10:59

Instrument :

MSVOA\_X

ClientSampleId :

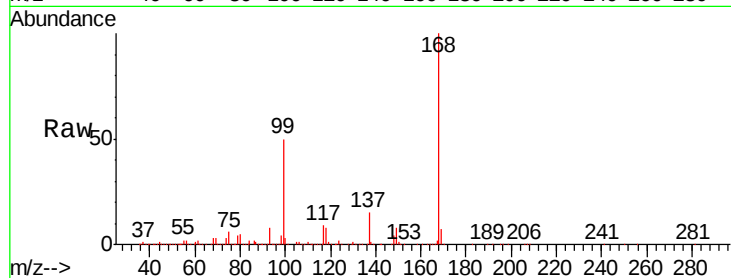
VX1204WBL01

Tgt Ion:168 Resp: 805794

Ion Ratio Lower Upper

168 100

99 49.7 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

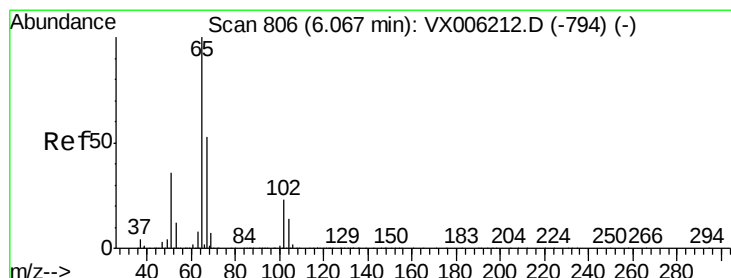
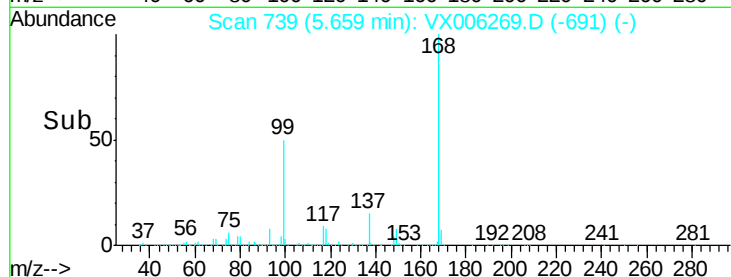
300000

200000

100000

0

Time--> 5.50 5.60 5.70 5.80



#33

1,2-Dichloroethane-d4

Concen: 47.522 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX006269.D

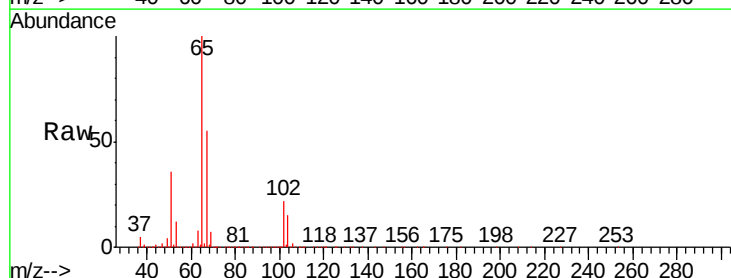
Acq: 04 Dec 2018 10:59

Tgt Ion: 65 Resp: 390912

Ion Ratio Lower Upper

65 100

67 53.6 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

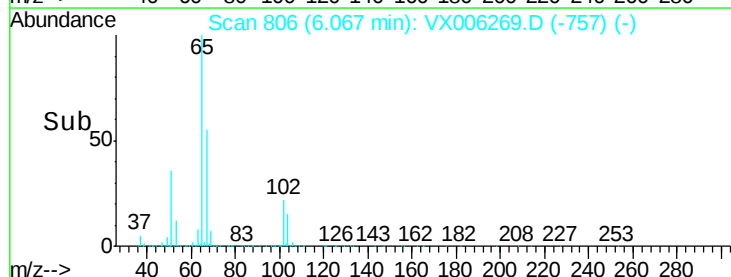
150000

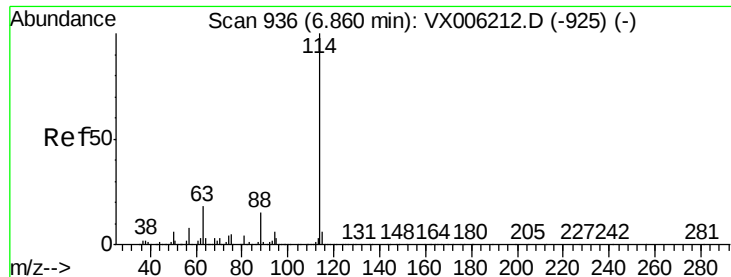
100000

50000

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: VX006269.D

Acq: 04 Dec 2018 10:59

Instrument :

MSVOA\_X

ClientSampleId :

VX1204WBL01

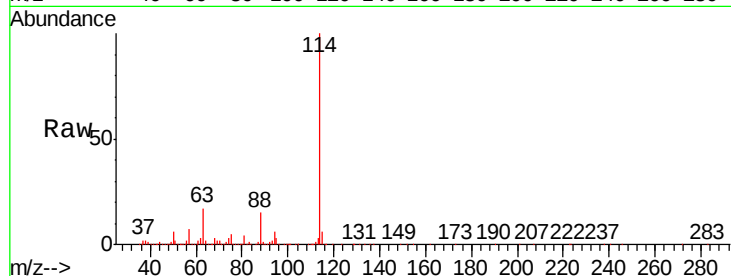
Tgt Ion:114 Resp: 1195851

Ion Ratio Lower Upper

114 100

63 17.1 0.0 36.6

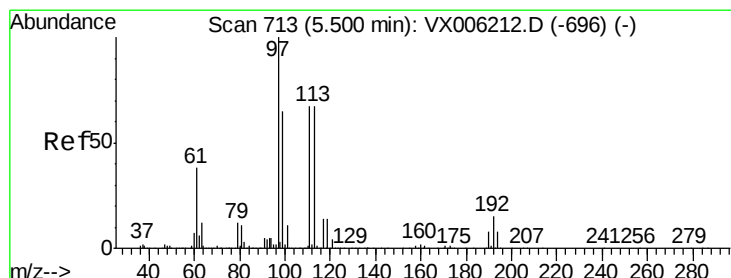
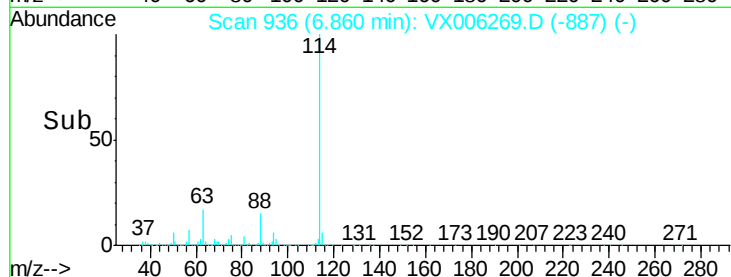
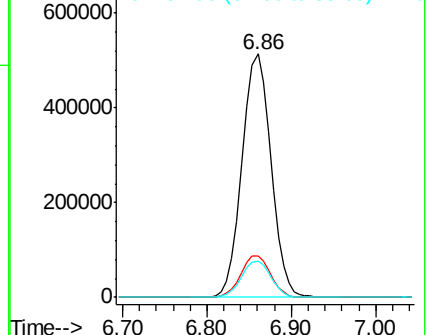
88 14.8 0.0 29.0



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: 48.839 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006269.D

Acq: 04 Dec 2018 10:59

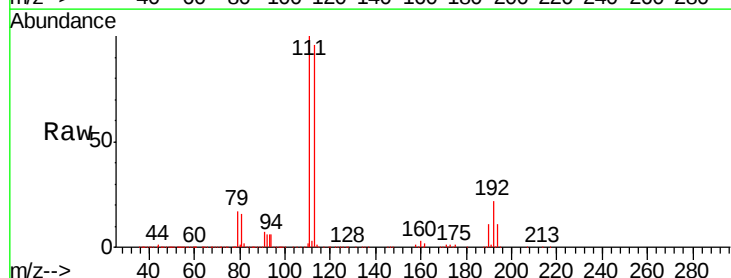
Tgt Ion:113 Resp: 378146

Ion Ratio Lower Upper

113 100

111 103.3 81.1 121.7

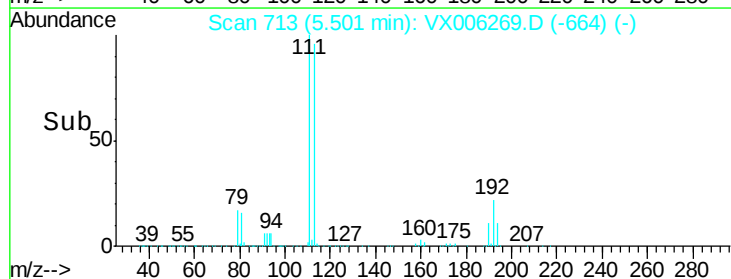
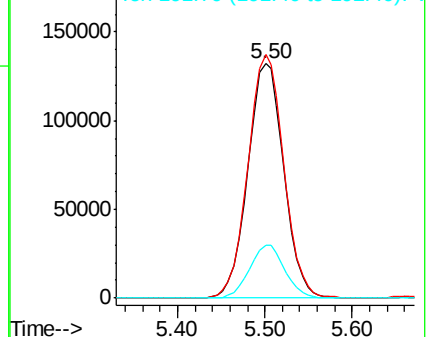
192 22.2 18.2 27.2



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

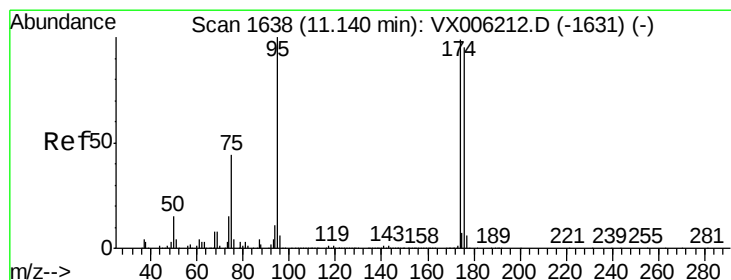
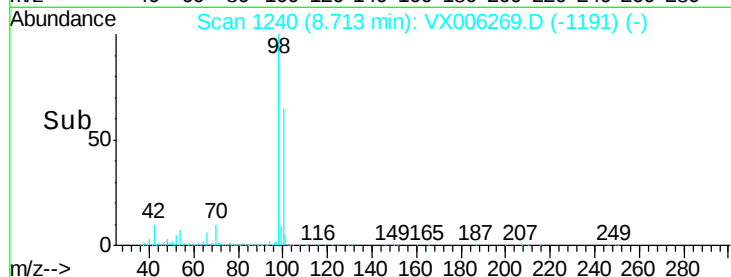
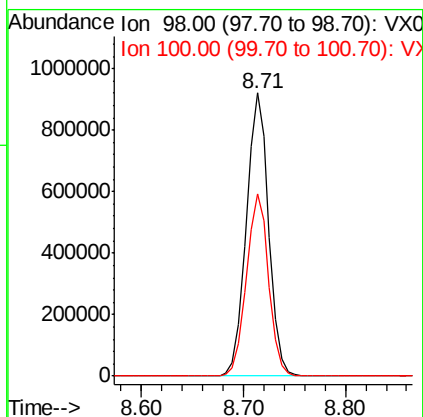
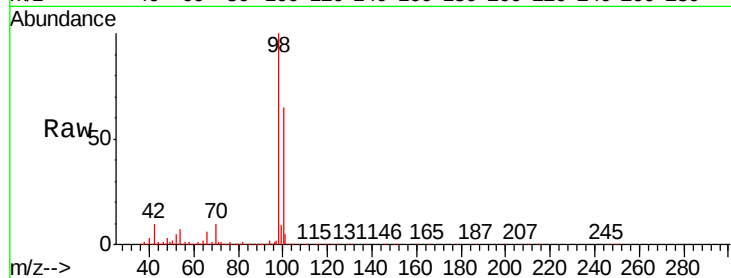




#50  
Toluene-d8  
Concen: 49.525 ug/l  
RT: 8.71 min Scan# 1240  
Delta R.T. 0.00 min  
Lab File: VX006269.D  
Acq: 04 Dec 2018 10:59

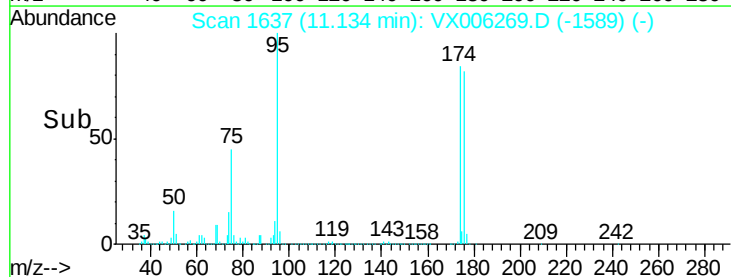
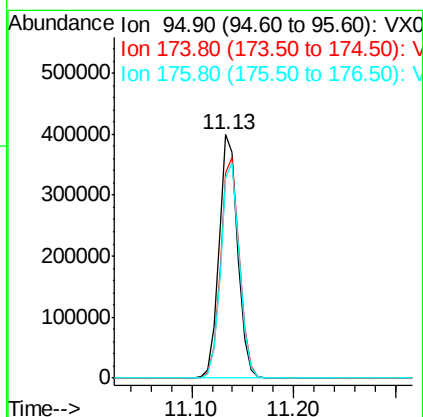
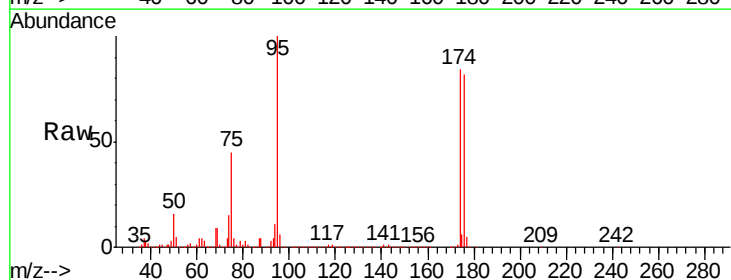
Instrument :  
MSVOA\_X  
ClientSampled :  
VX1204WBL01

Tgt Ion: 98 Resp: 1394798  
Ion Ratio Lower Upper  
98 100  
100 64.1 52.2 78.2



#62  
4-Bromofluorobenzene  
Concen: 48.185 ug/l  
RT: 11.13 min Scan# 1637  
Delta R.T. -0.01 min  
Lab File: VX006269.D  
Acq: 04 Dec 2018 10:59

Tgt Ion: 95 Resp: 511377  
Ion Ratio Lower Upper  
95 100  
174 91.0 0.0 187.0  
176 88.3 0.0 181.8

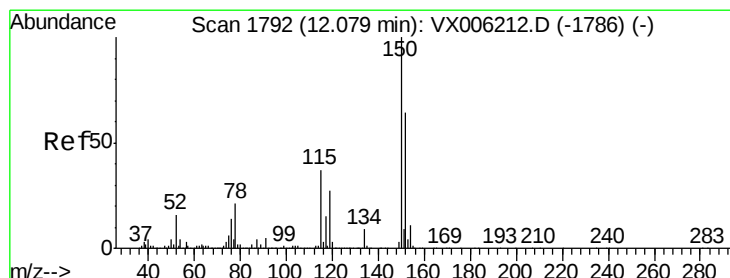
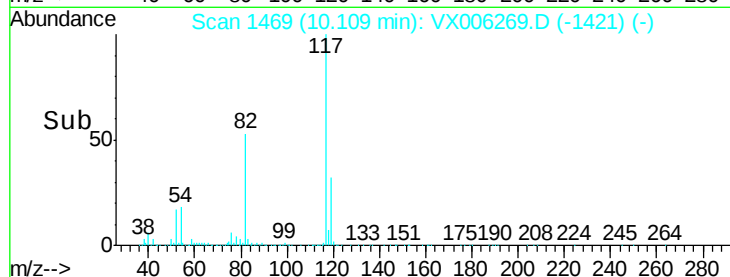
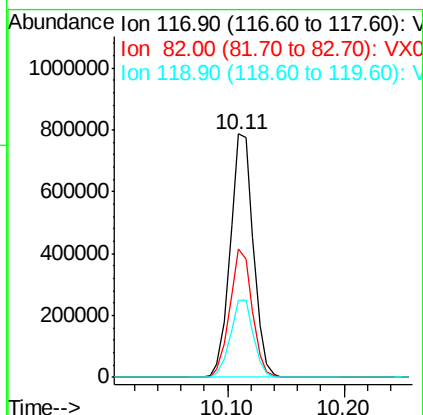
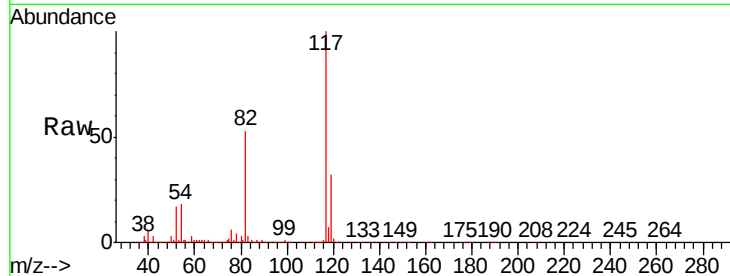




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. -0.01 min  
Lab File: VX006269.D  
Acq: 04 Dec 2018 10:59

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1204WBL01

Tgt Ion:117 Resp: 1084538  
Ion Ratio Lower Upper  
117 100  
82 52.6 39.6 59.4  
119 31.9 26.3 39.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. 0.00 min  
Lab File: VX006269.D  
Acq: 04 Dec 2018 10:59

Tgt Ion:152 Resp: 524101  
Ion Ratio Lower Upper  
152 100  
115 55.2 39.0 116.9  
150 155.2 0.0 345.8

