

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120718\  
 Data File : VX006337.D  
 Acq On : 07 Dec 2018 10:45  
 Operator : JC/MD  
 Sample : VX1207MBL01  
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA\_X/MEOH  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1207MBL01

Quant Time: Dec 08 00:33:53 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      | 5.67  | 168  | 846138   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 1286279  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 1172401  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 573376   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4   | 6.07   | 65  | 422298   | 48.89 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 97.78% |      |
| 35) Dibromofluoromethane    | 5.50   | 113 | 406552   | 48.82 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 97.64% |      |
| 50) Toluene-d8              | 8.71   | 98  | 1491979  | 49.25 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 98.50% |      |
| 62) 4-Bromofluorobenzene    | 11.13  | 95  | 560175   | 49.07 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 98.14% |      |

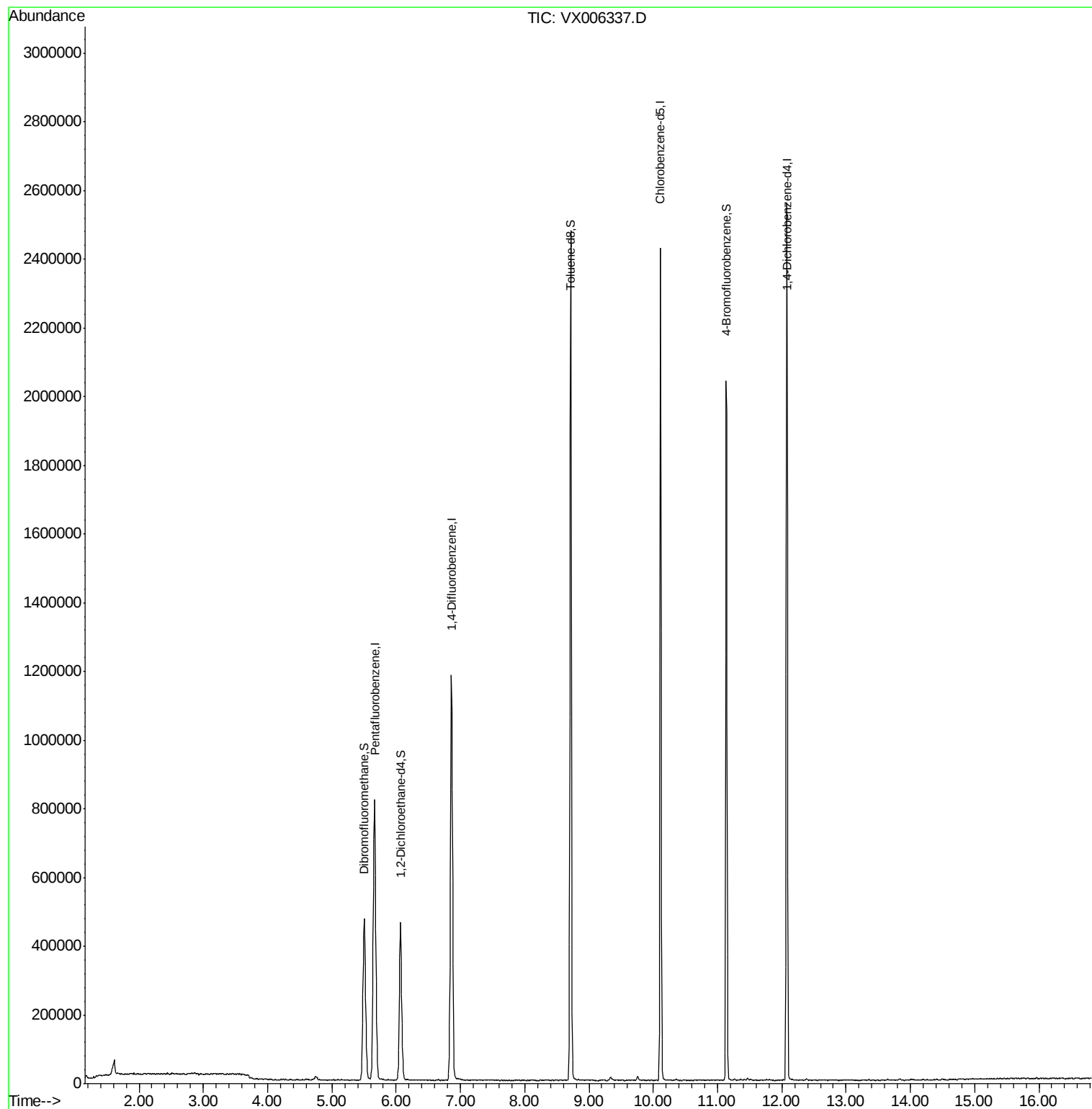
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

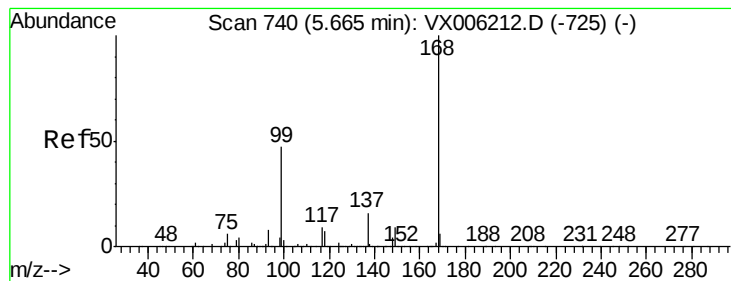
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006337.D

Acq: 07 Dec 2018 10:45

Instrument :

MSVOA\_X

ClientSampleId :

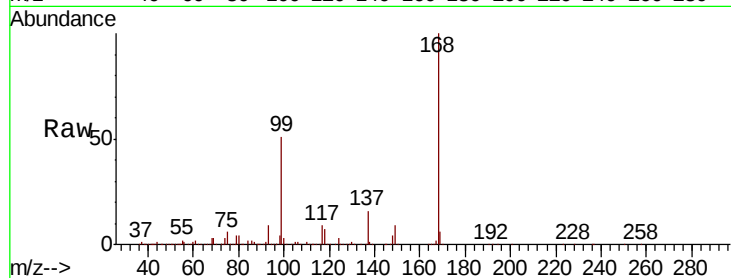
VX1207MBL01

Tot Ion:168 Resp: 846138

Ion Ratio Lower Upper

168 100

99 50.6 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

300000

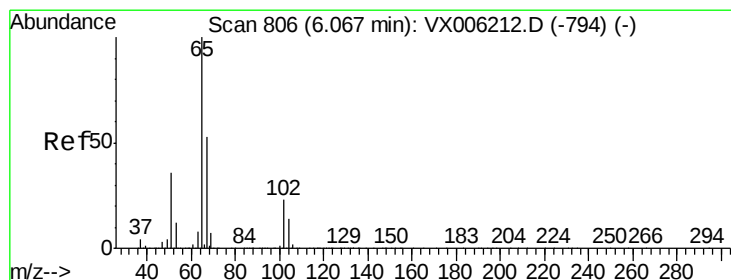
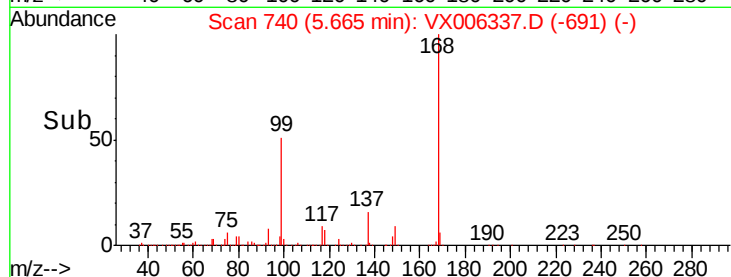
200000

100000

0

Time-->

5.50 5.60 5.70 5.80



#33

1,2-Dichloroethane-d4

Concen: 48.890 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX006337.D

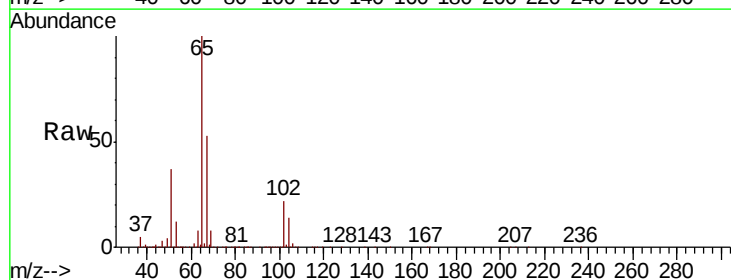
Acq: 07 Dec 2018 10:45

Tgt Ion: 65 Resp: 422298

Ion Ratio Lower Upper

65 100

67 53.4 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

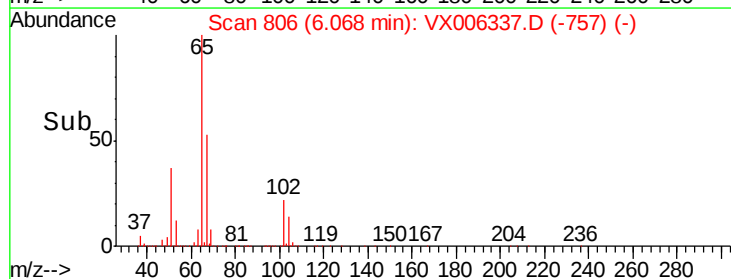
100000

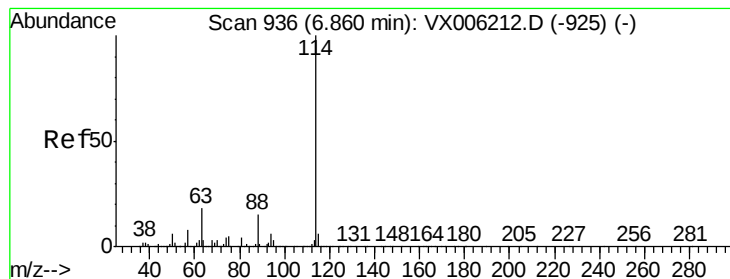
50000

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: VX006337.D

Acq: 07 Dec 2018 10:45

Instrument :

MSVOA\_X

ClientSampleId :

VX1207MBL01

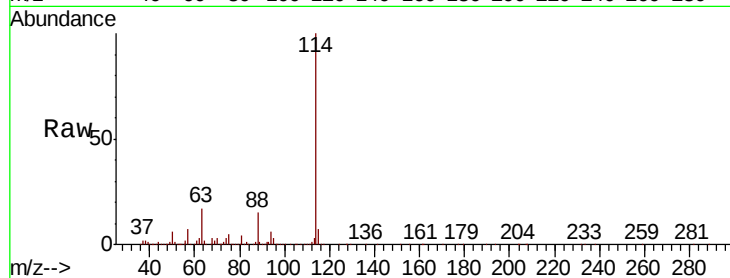
Tot Ion:114 Resp: 1286279

Ion Ratio Lower Upper

114 100

63 17.3 0.0 36.6

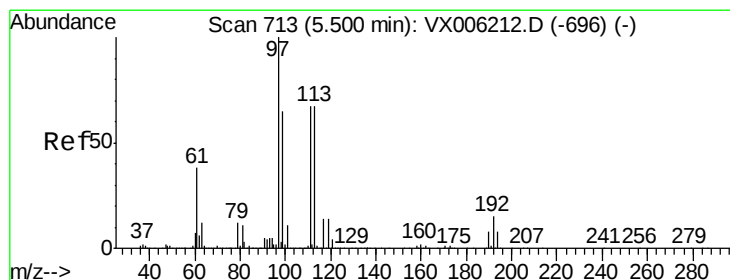
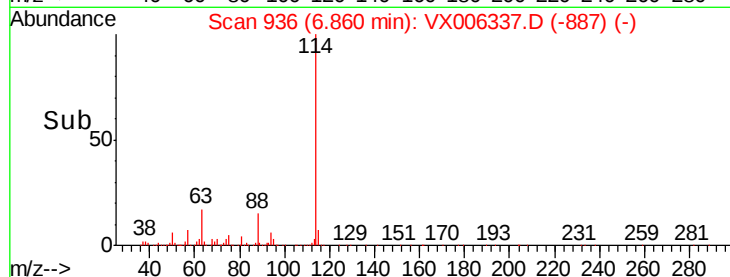
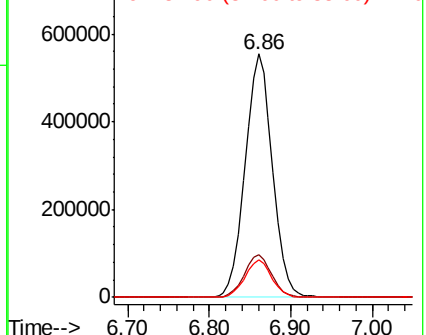
88 15.2 0.0 29.0



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: 48.817 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006337.D

Acq: 07 Dec 2018 10:45

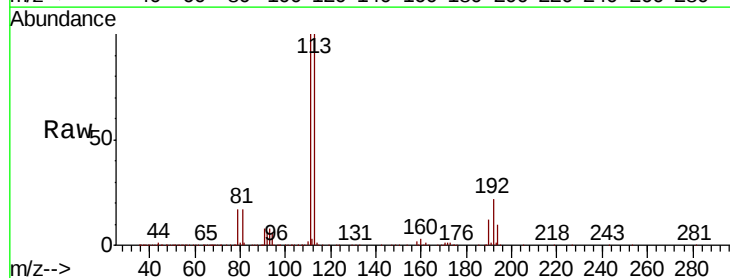
Tgt Ion:113 Resp: 406552

Ion Ratio Lower Upper

113 100

111 100.9 81.1 121.7

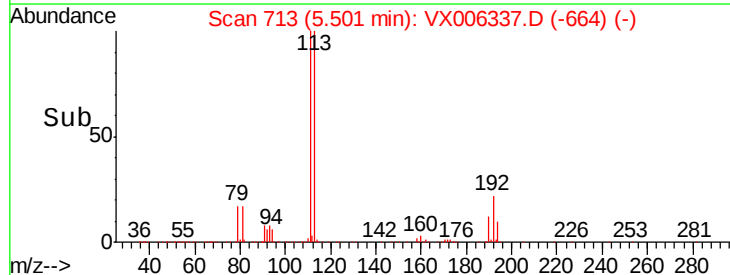
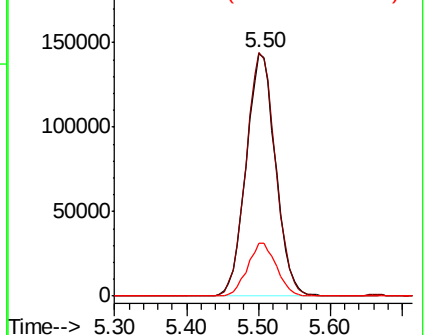
192 21.7 18.2 27.2

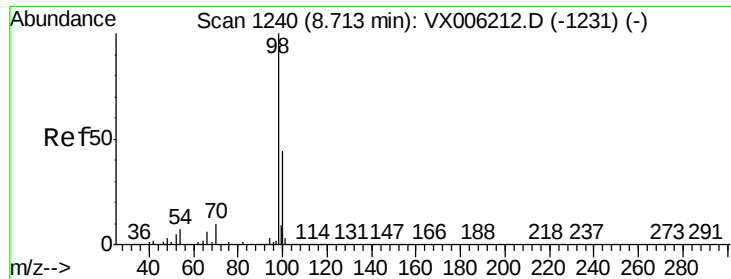


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 49.252 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006337.D

Acq: 07 Dec 2018 10:45

Instrument :

MSVOA\_X

ClientSampleId :

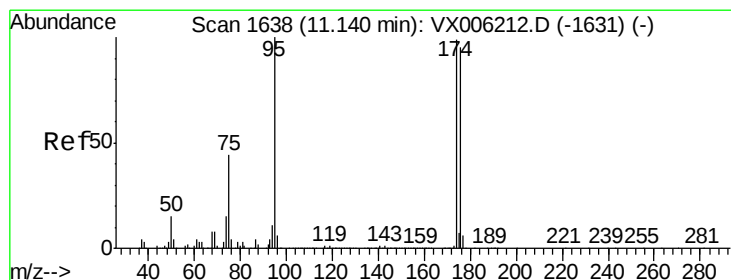
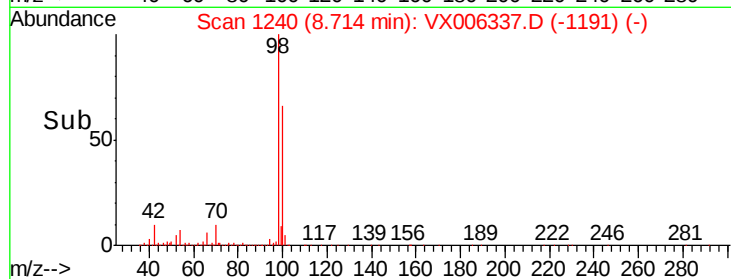
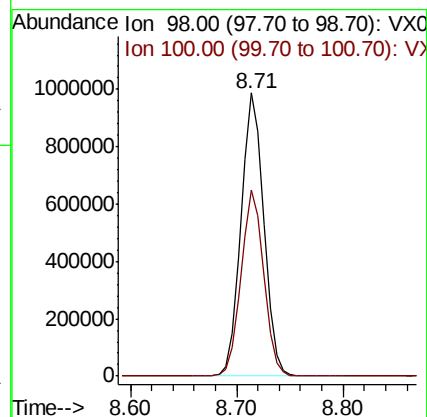
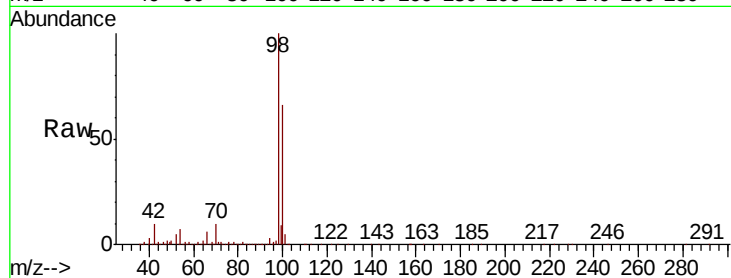
VX1207MBL01

Tot Ion: 98 Resp: 1491979

Ion Ratio Lower Upper

98 100

100 65.2 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 49.072 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006337.D

Acq: 07 Dec 2018 10:45

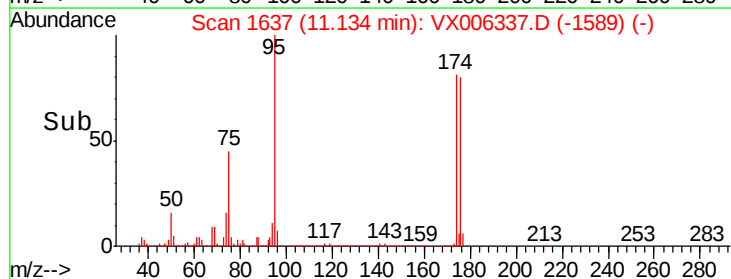
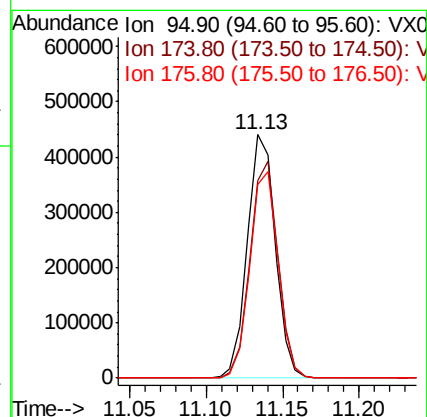
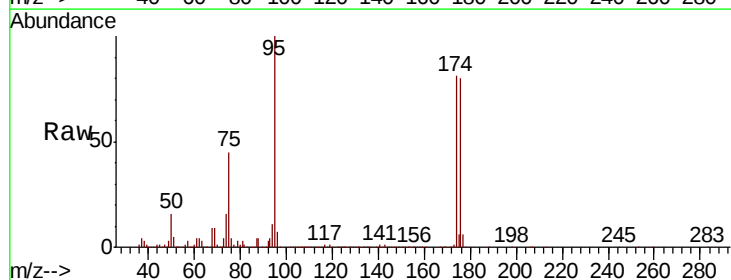
Tgt Ion: 95 Resp: 560175

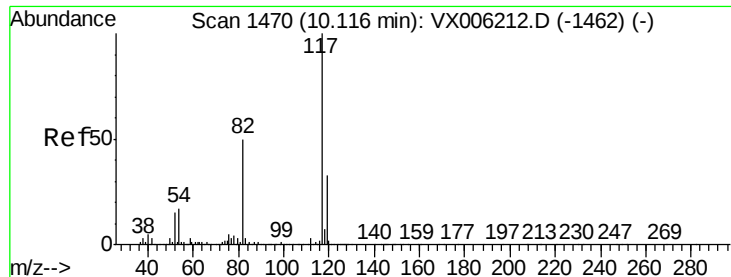
Ion Ratio Lower Upper

95 100

174 89.1 0.0 187.0

176 86.2 0.0 181.8

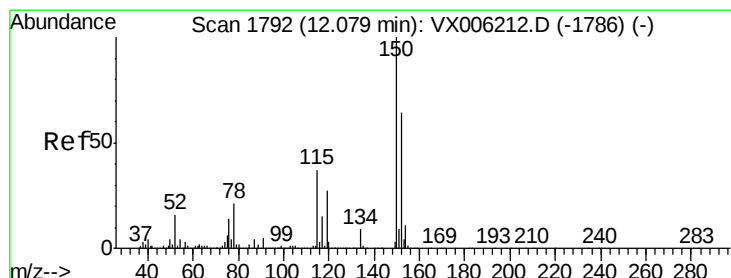
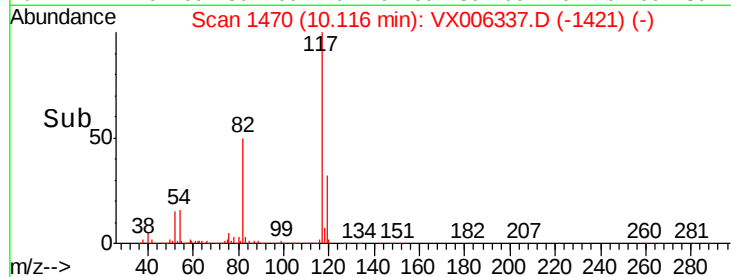
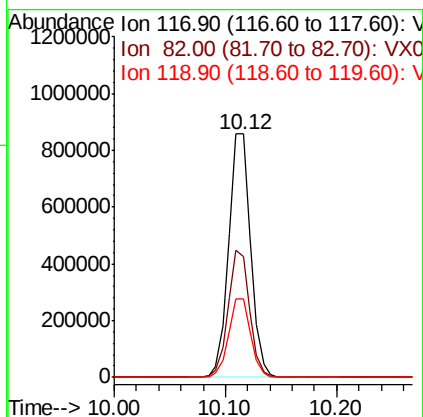
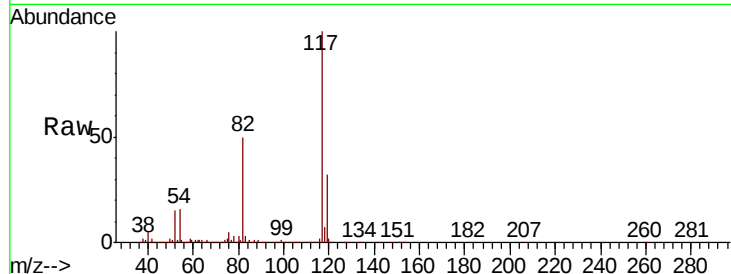




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. 0.00 min  
Lab File: VX006337.D  
Acq: 07 Dec 2018 10:45

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1207MBL01

Tot Ion:117 Resp: 1172401  
Ion Ratio Lower Upper  
117 100  
82 49.7 39.6 59.4  
119 32.3 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: VX006337.D  
Acq: 07 Dec 2018 10:45

Tgt Ion:152 Resp: 573376  
Ion Ratio Lower Upper  
152 100  
115 55.8 39.0 116.9  
150 155.3 0.0 345.8

