

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112118\  
 Data File : VX006142.D  
 Acq On : 22 Nov 2018 00:31  
 Operator : JC/MD  
 Sample : J5993-07  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 20180899-FIELD-BLANK

Quant Time: Nov 22 04:13:17 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X112018W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 21 08:15:54 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 349653   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 520730   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 478229   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 230175   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 6.07   | 65  | 211384   | 52.17 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 104.34% |      |
| 35) Dibromofluoromethane    | 5.51   | 113 | 172327   | 51.55 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 103.10% |      |
| 50) Toluene-d8              | 8.71   | 98  | 629424   | 49.37 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 98.74%  |      |
| 62) 4-Bromofluorobenzene    | 11.14  | 95  | 211791   | 44.27 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 88.54%  |      |

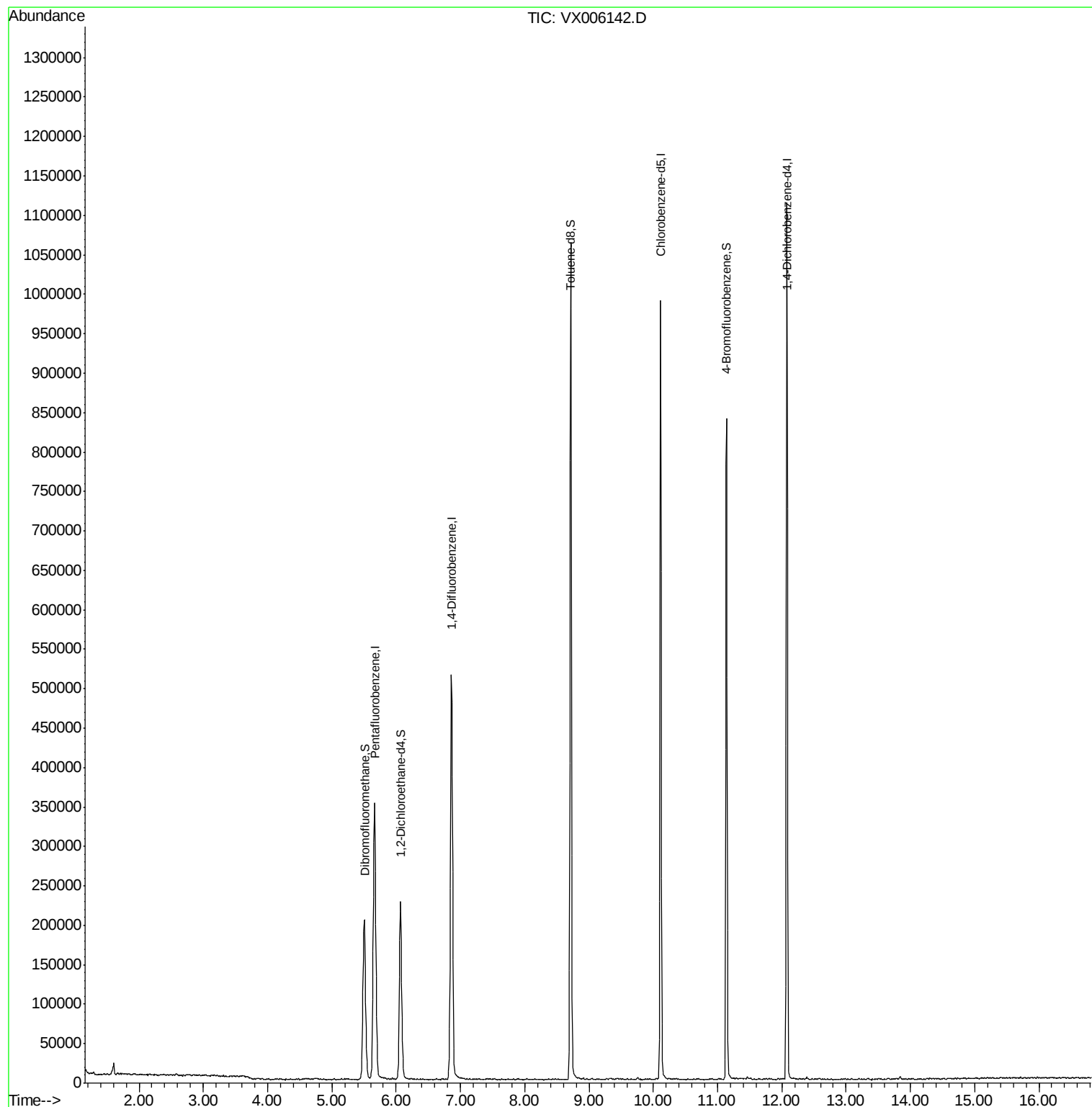
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

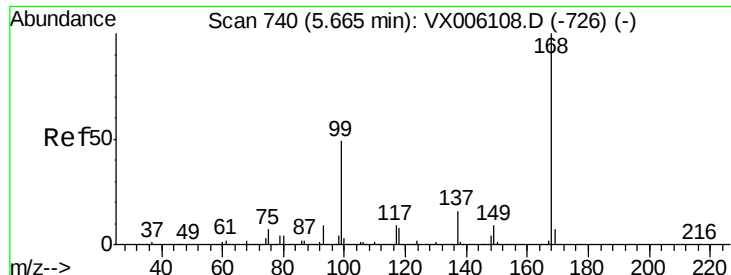
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_X  
ClientSampleId :  
20180899-FIELD-BLANK

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X112018W.M  
Quant Title : SW846 8260  
QLast Update : Wed Nov 21 08:15:54 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: VX006142.D

Acq: 22 Nov 2018 00:31

Instrument :

MSVOA\_X

ClientSampleId :

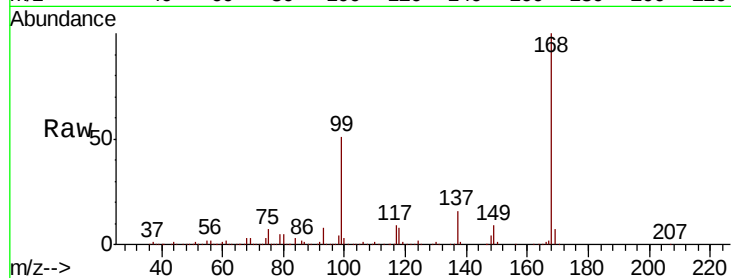
20180899-FIELD-BLANK

Tot Ion:168 Resp: 349653

Ion Ratio Lower Upper

168 100

99 50.6 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

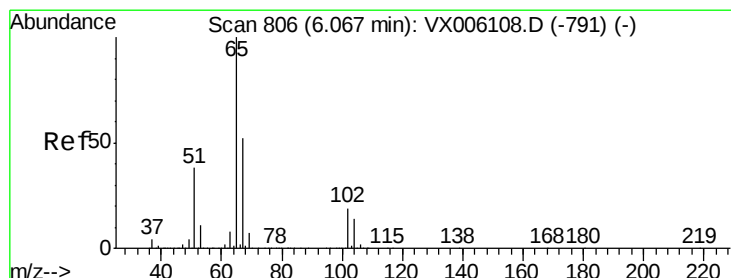
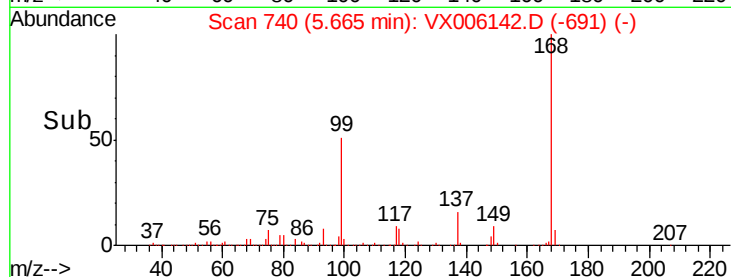
5.67

100000

50000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 52.173 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX006142.D

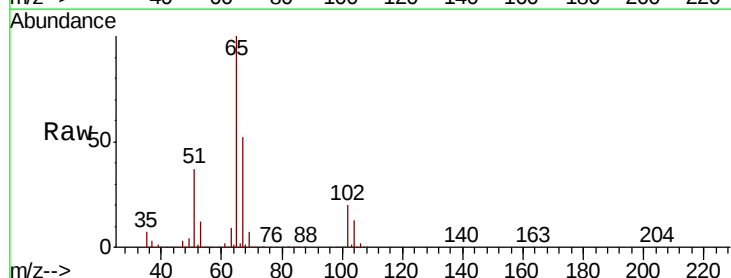
Acq: 22 Nov 2018 00:31

Tgt Ion: 65 Resp: 211384

Ion Ratio Lower Upper

65 100

67 53.2 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

80000

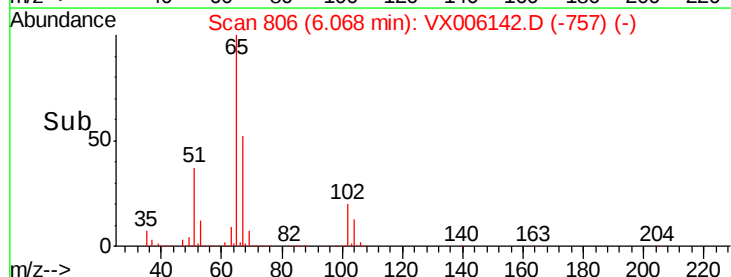
60000

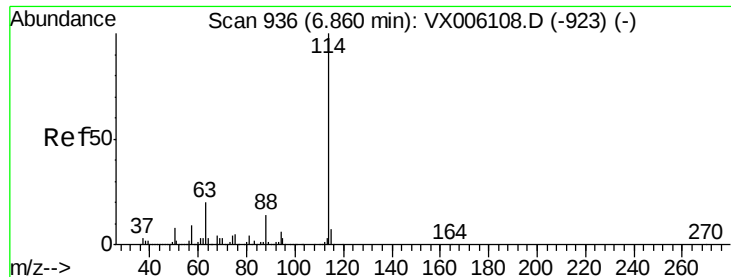
40000

20000

0

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006142.D

Acq: 22 Nov 2018 00:31

Instrument :

MSVOA\_X

ClientSampleId :

20180899-FIELD-BLANK

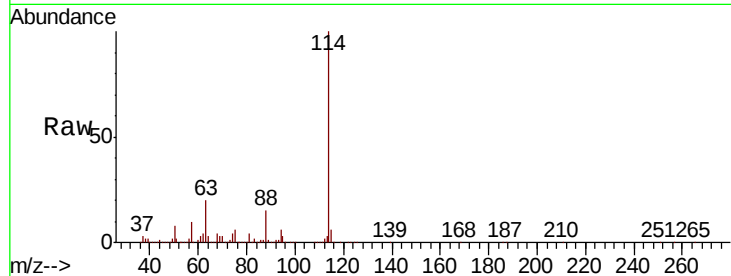
Tot Ion:114 Resp: 520730

Ion Ratio Lower Upper

114 100

63 20.4 0.0 39.2

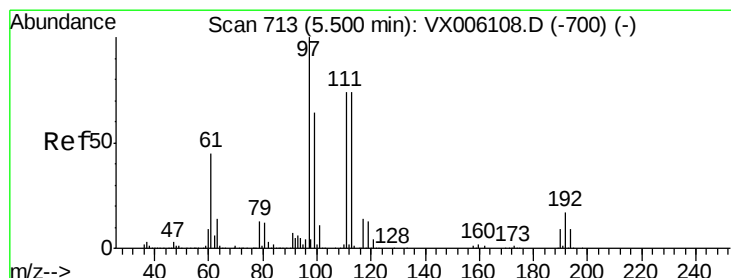
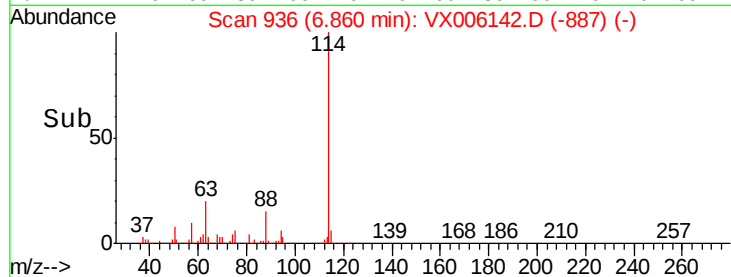
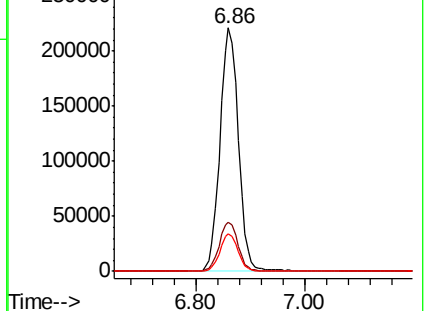
88 15.3 0.0 28.6



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: 51.554 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006142.D

Acq: 22 Nov 2018 00:31

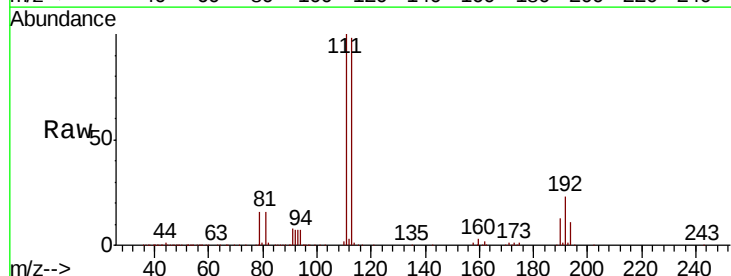
Tgt Ion:113 Resp: 172327

Ion Ratio Lower Upper

113 100

111 102.2 81.5 122.3

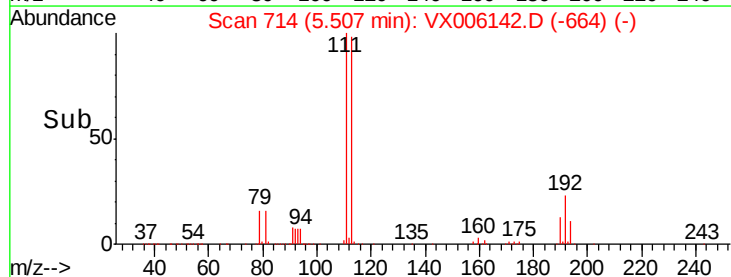
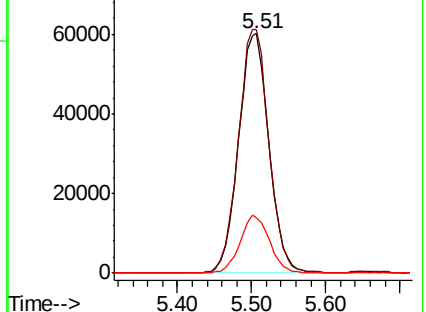
192 23.4 18.6 28.0

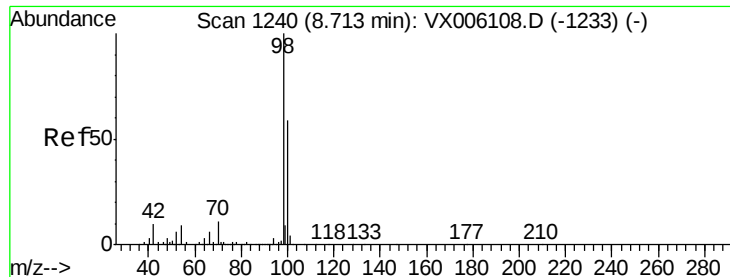


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 49.369 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006142.D

Acq: 22 Nov 2018 00:31

Instrument :

MSVOA\_X

ClientSampleId :

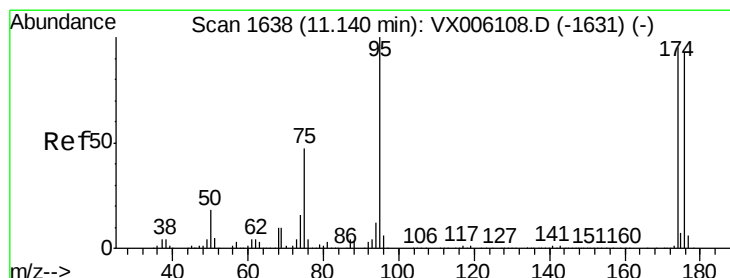
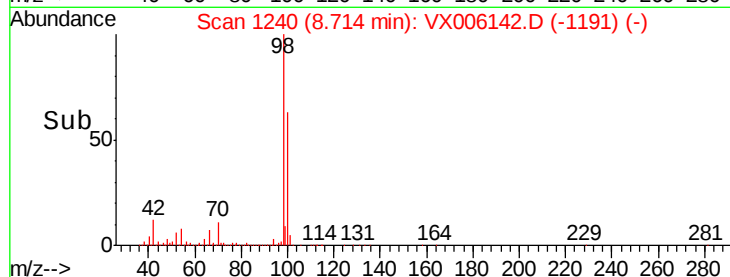
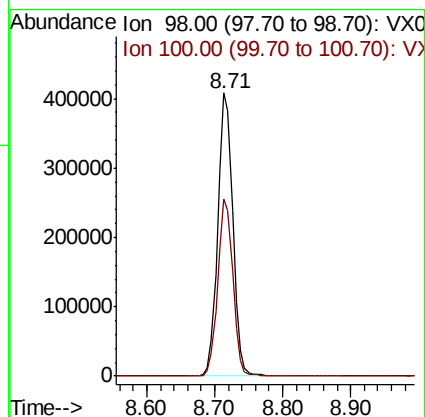
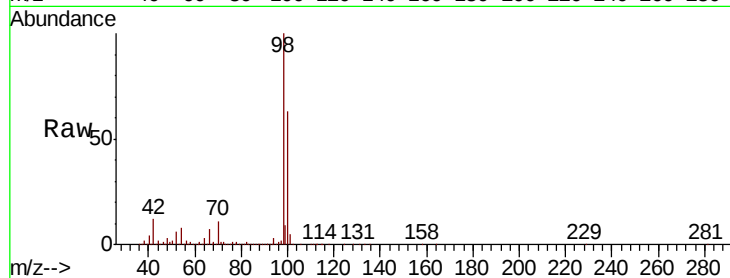
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Tot Ion: 98 Resp: 629424

Ion Ratio Lower Upper

98 100

100 62.8 51.0 76.4



#62

4-Bromofluorobenzene

Concen: 44.274 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX006142.D

Acq: 22 Nov 2018 00:31

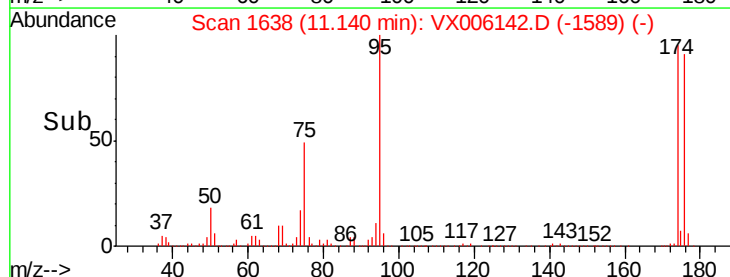
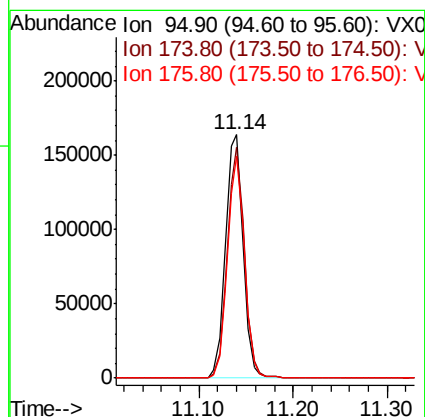
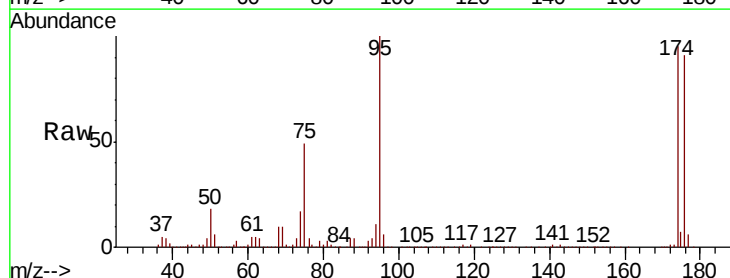
Tgt Ion: 95 Resp: 211791

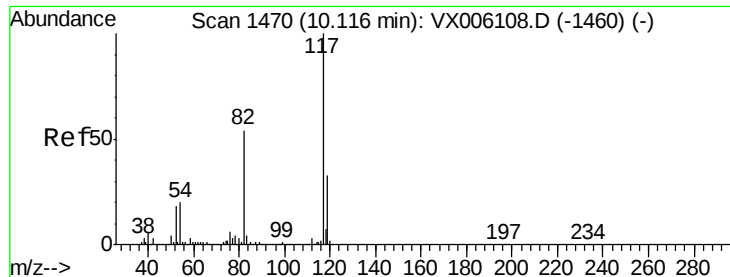
Ion Ratio Lower Upper

95 100

174 92.8 0.0 184.4

176 88.8 0.0 179.0

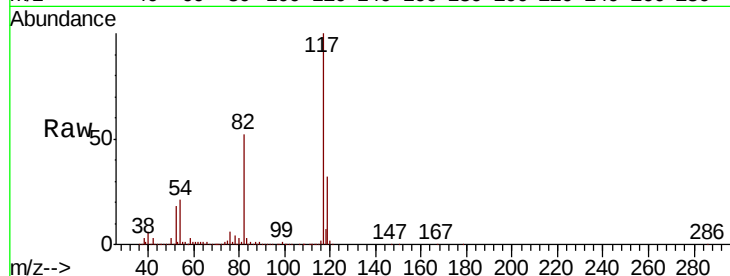




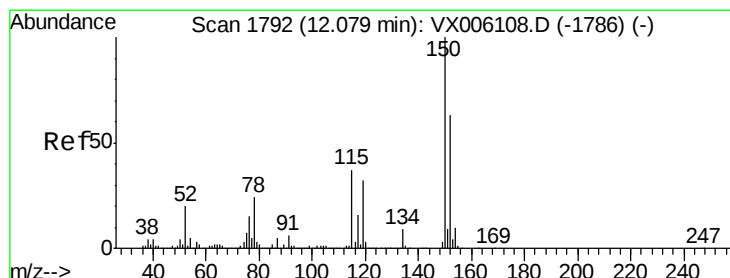
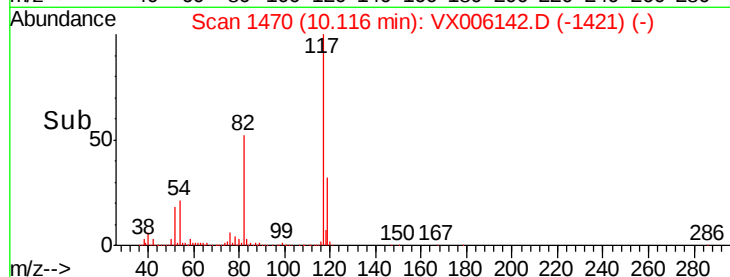
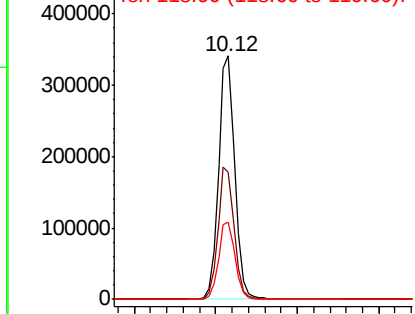
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. 0.00 min  
Lab File: VX006142.D  
Acq: 22 Nov 2018 00:31

Instrument :  
MSVOA\_X  
ClientSampleId :  
20180899-FIELD-BLANK

Tot Ion:117 Resp: 478229  
Ion Ratio Lower Upper  
117 100  
82 51.9 43.0 64.4  
119 31.7 26.1 39.1

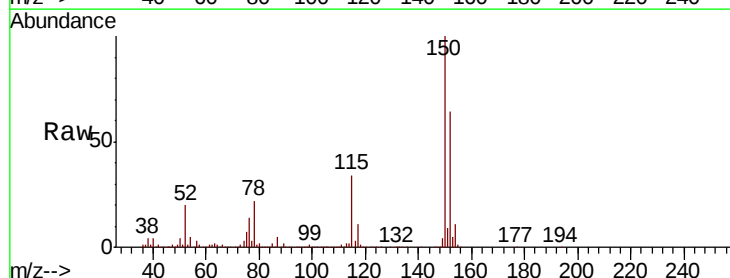


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. 0.00 min  
Lab File: VX006142.D  
Acq: 22 Nov 2018 00:31

Tgt Ion:152 Resp: 230175  
Ion Ratio Lower Upper  
152 100  
115 54.2 39.0 116.9  
150 157.5 0.0 346.6



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

