

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060719\  
 Data File : VX010131.D  
 Acq On : 08 Jun 2019 00:04  
 Operator : JC/SP  
 Sample : K3221-09 10X  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BP-DUP02-20190605

Quant Time: Jun 08 04:27:30 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X060719W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 08 02:12:13 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 306646   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 463992   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 414434   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 193983   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 6.06   | 65  | 139509   | 46.61 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 93.22%  |      |
| 35) Dibromofluoromethane    | 5.50   | 113 | 141689   | 49.51 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.02%  |      |
| 50) Toluene-d8              | 8.71   | 98  | 544753   | 50.79 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 101.58% |      |
| 62) 4-Bromofluorobenzene    | 11.13  | 95  | 192081   | 47.95 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 95.90%  |      |

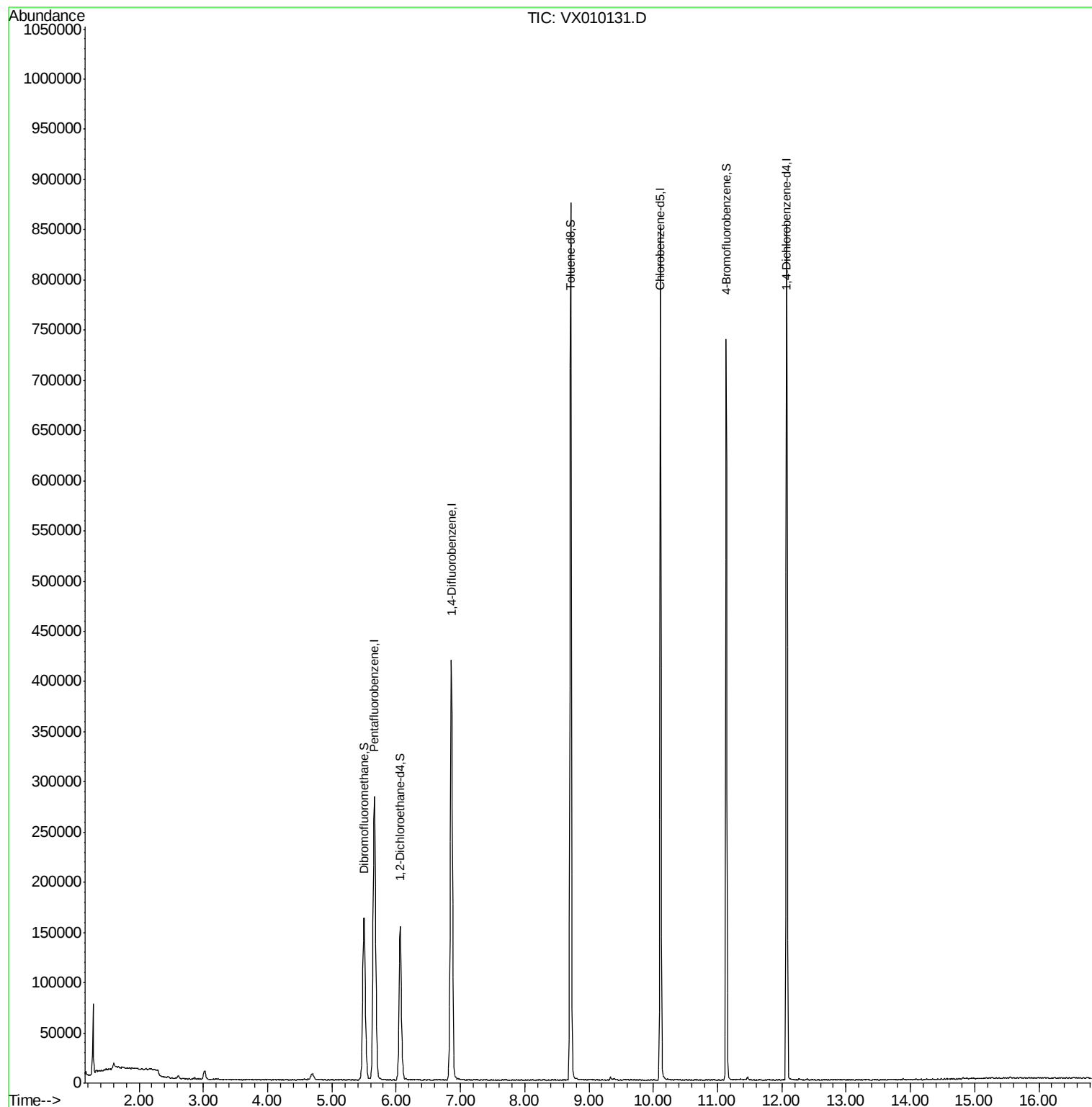
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

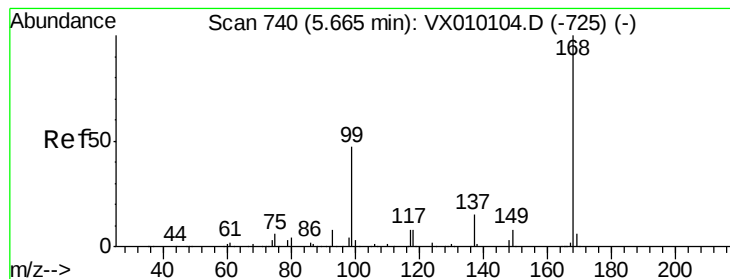
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Sat Jun 08 02:12:13 2019  
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: VX010131.D

Acq: 08 Jun 2019 00:04

Instrument :

MSVOA\_X

ClientSampleId :

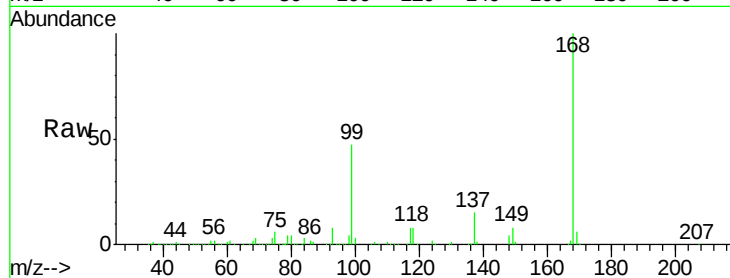
BP-DUP02-20190605

Tot Ion:168 Resp: 306646

Ion Ratio Lower Upper

168 100

99 46.9 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

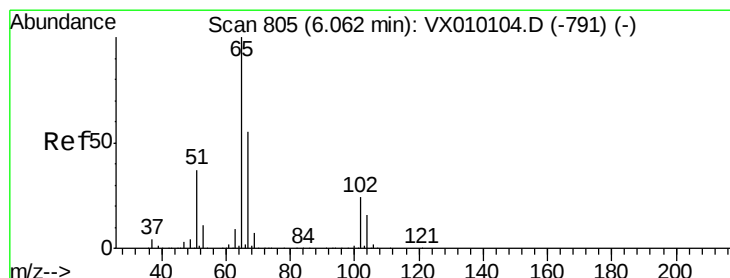
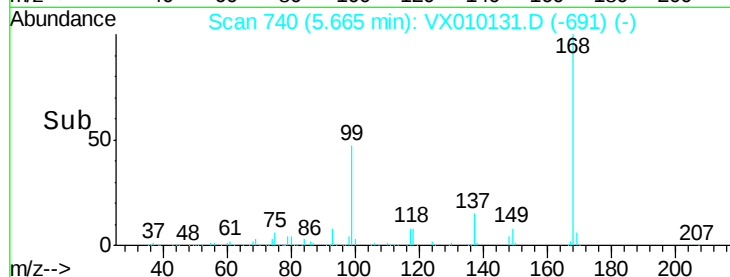
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80 5.90



#33

1,2-Dichloroethane-d4

Concen: 46.608 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010131.D

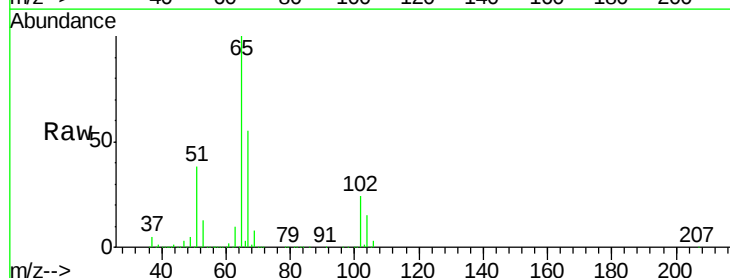
Acq: 08 Jun 2019 00:04

Tgt Ion: 65 Resp: 139509

Ion Ratio Lower Upper

65 100

67 55.4 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

60000

50000

40000

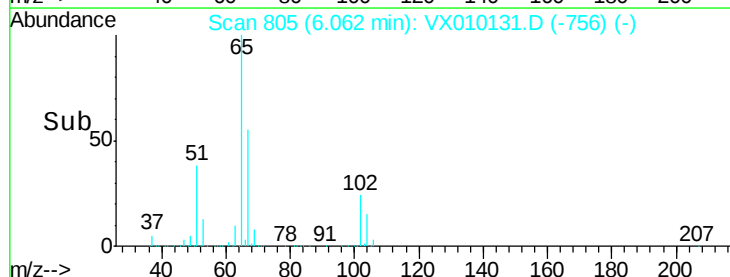
30000

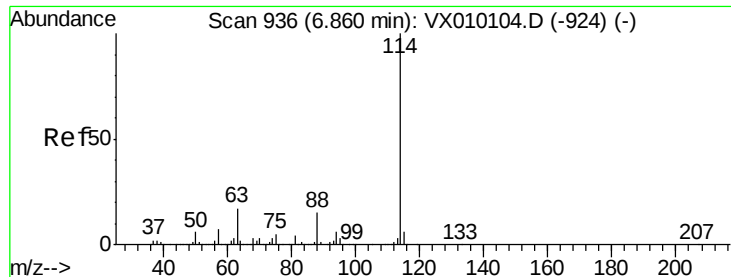
20000

10000

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: VX010131.D

Acq: 08 Jun 2019 00:04

Instrument :

MSVOA\_X

ClientSampleId :

BP-DUP02-20190605

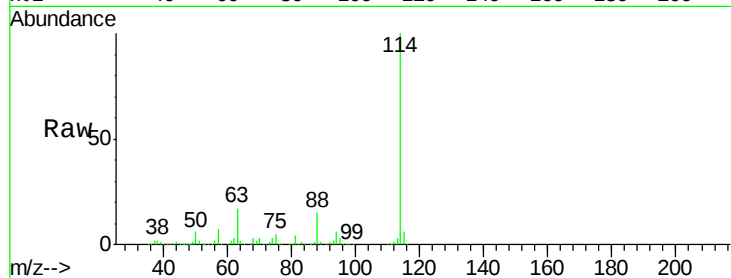
Tot Ion:114 Resp: 463992

Ion Ratio Lower Upper

114 100

63 16.9 0.0 47.4

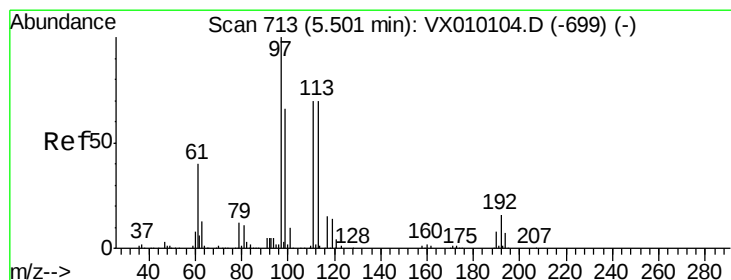
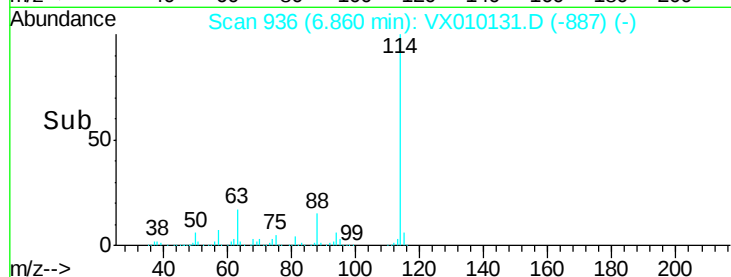
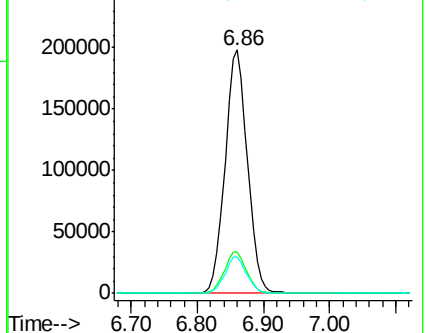
88 15.1 0.0 33.0



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: 49.507 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010131.D

Acq: 08 Jun 2019 00:04

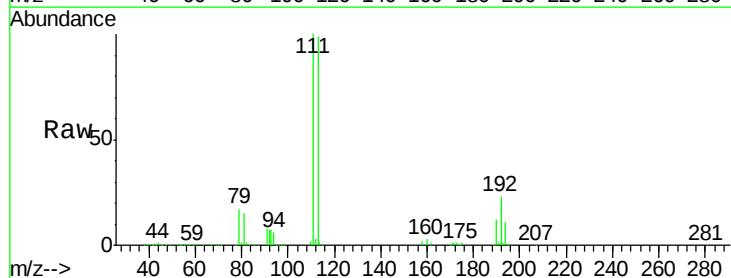
Tgt Ion:113 Resp: 141689

Ion Ratio Lower Upper

113 100

111 102.0 82.2 123.2

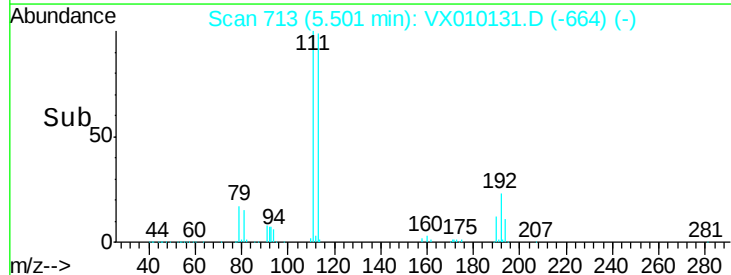
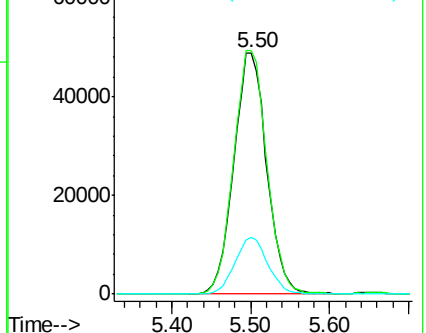
192 23.4 17.1 25.7

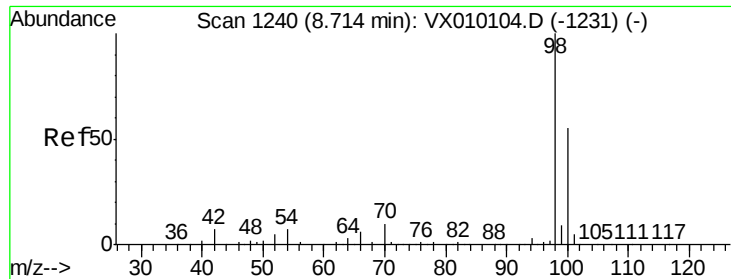


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 50.786 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010131.D

Acq: 08 Jun 2019 00:04

Instrument :

MSVOA\_X

ClientSampleId :

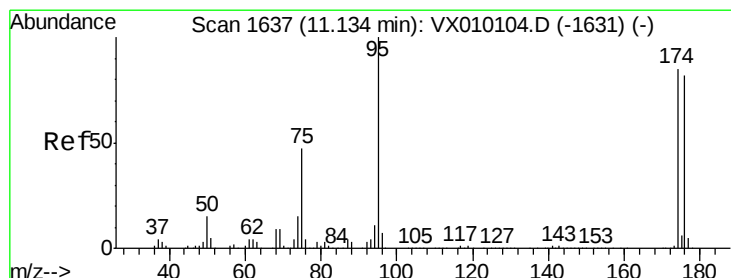
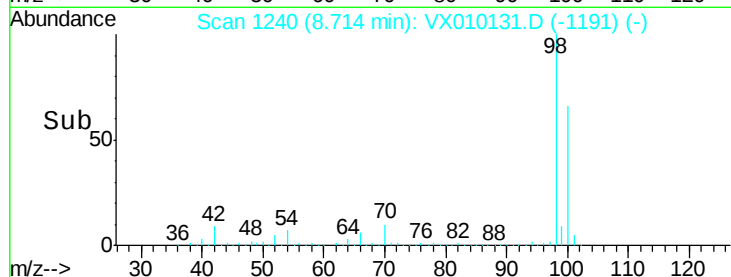
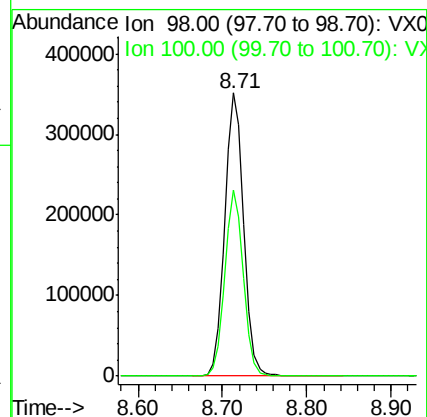
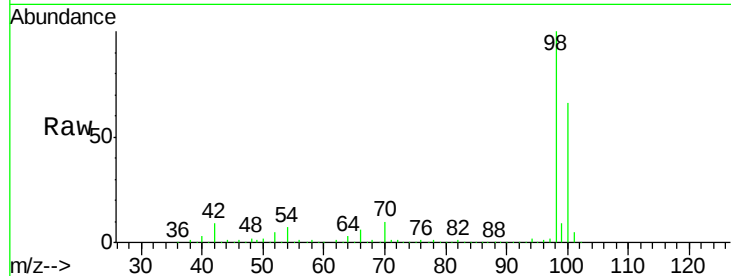
BP-DUP02-20190605

Tot Ion: 98 Resp: 544753

Ion Ratio Lower Upper

98 100

100 64.7 51.5 77.3



#62

4-Bromofluorobenzene

Concen: 47.950 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010131.D

Acq: 08 Jun 2019 00:04

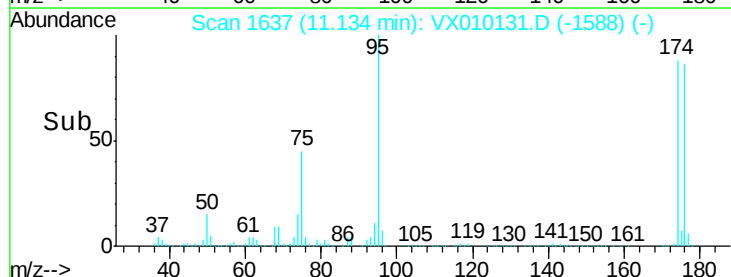
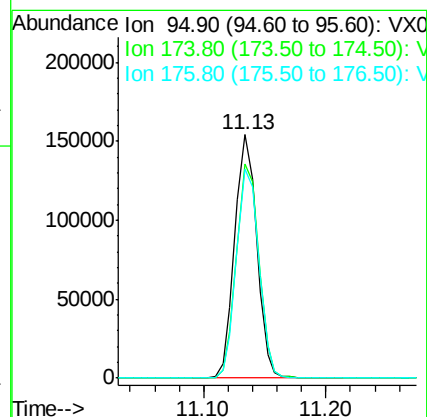
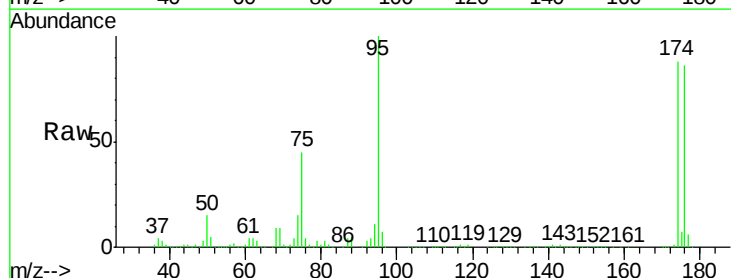
Tgt Ion: 95 Resp: 192081

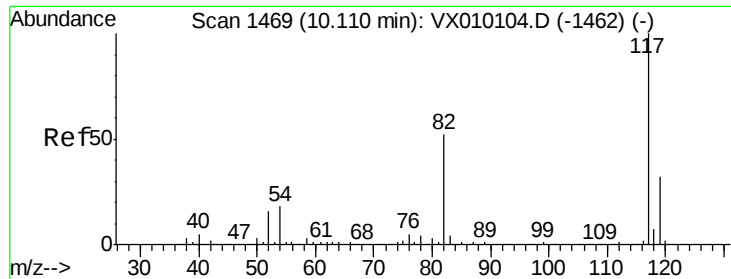
Ion Ratio Lower Upper

95 100

174 90.0 0.0 160.4

176 88.1 0.0 154.6

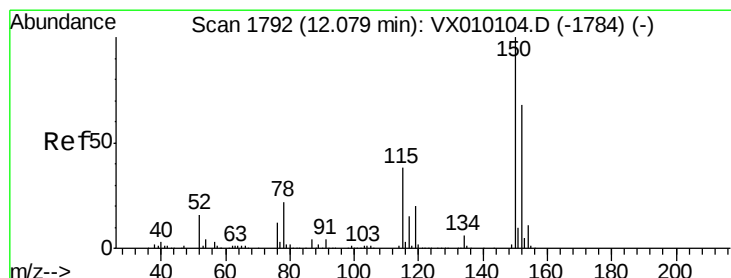
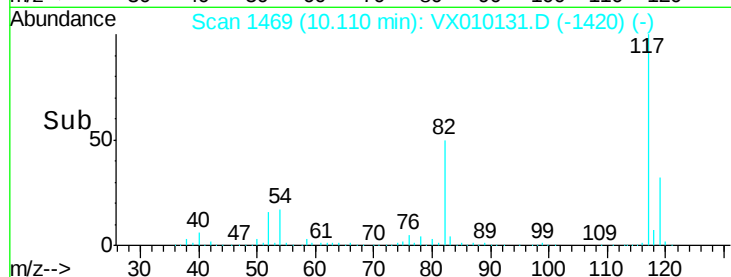
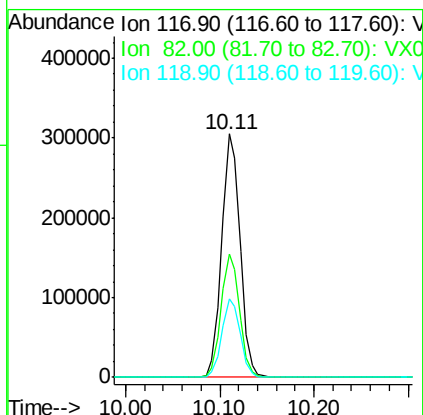
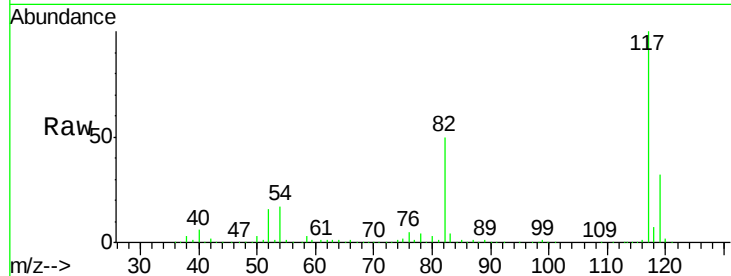




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. -0.00 min  
Lab File: VX010131.D  
Acq: 08 Jun 2019 00:04

Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-DUP02-20190605

Tot Ion:117 Resp: 414434  
Ion Ratio Lower Upper  
117 100  
82 50.4 49.2 73.8  
119 32.2 25.2 37.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. -0.00 min  
Lab File: VX010131.D  
Acq: 08 Jun 2019 00:04

Tgt Ion:152 Resp: 193983  
Ion Ratio Lower Upper  
152 100  
115 54.0 41.4 124.2  
150 157.0 0.0 345.2

