

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061419\  
 Data File : VX010299.D  
 Acq On : 14 Jun 2019 14:42  
 Operator : JC/SP  
 Sample : K3315-16  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FB02-20190610

Quant Time: Jun 15 01:47:13 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

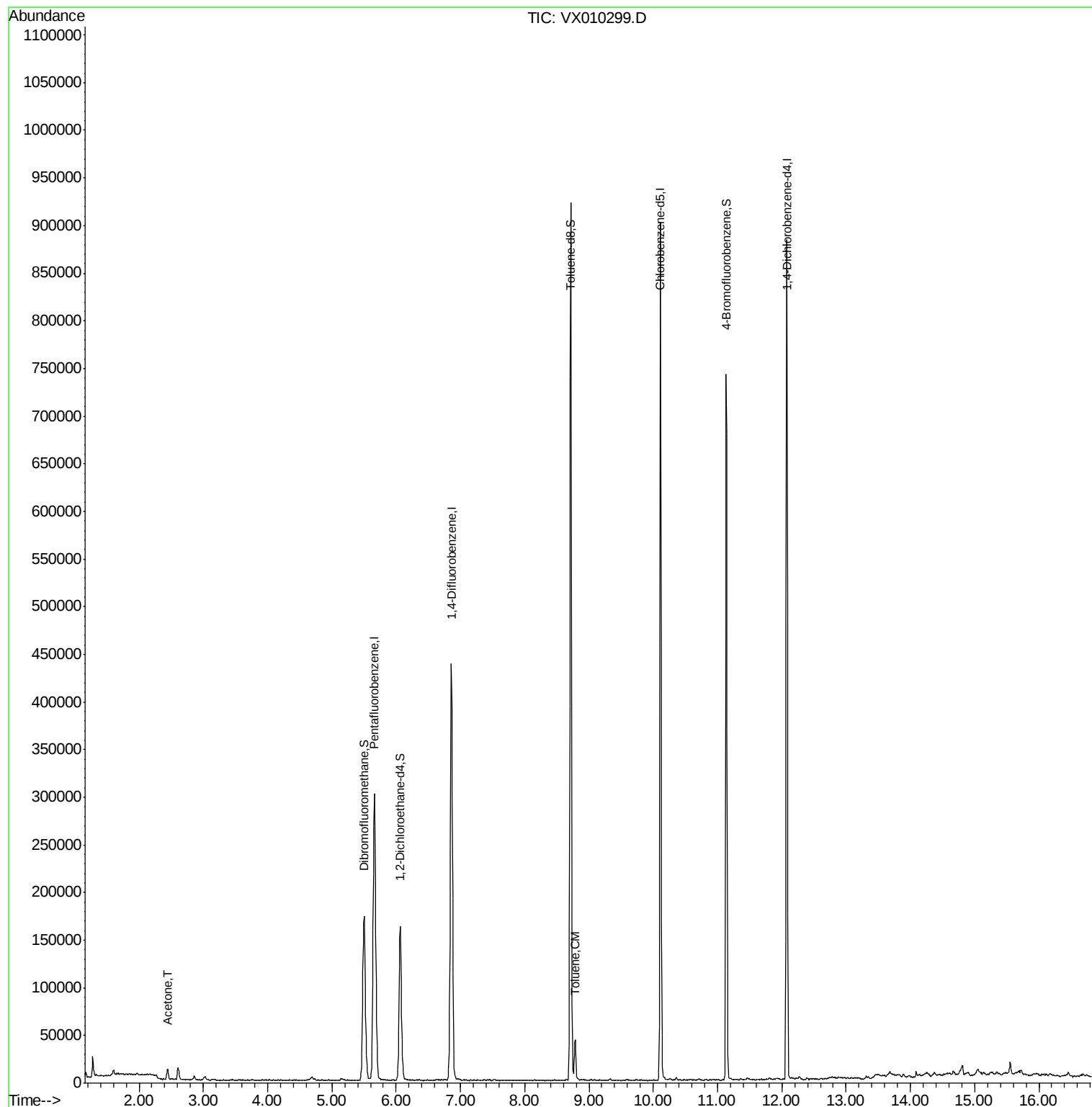
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 5.66  | 168  | 322168   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 489853   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 439623   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 203341   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 146536   | 46.60 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 93.20%  |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 147114   | 48.69 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.38%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 570283   | 50.36 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 100.72% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 192242   | 45.46 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 90.92%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 2.44  | 43   | 11402    | 7.709 | ug/l #  | 85       |
| 52) Toluene                 | 8.79  | 92   | 15456    | 1.903 | ug/l    | 99       |

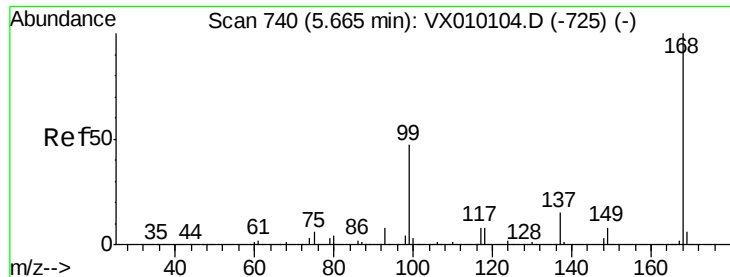
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010299.D

Acq: 14 Jun 2019 14:42

Instrument :

MSVOA\_X

ClientSampleId :

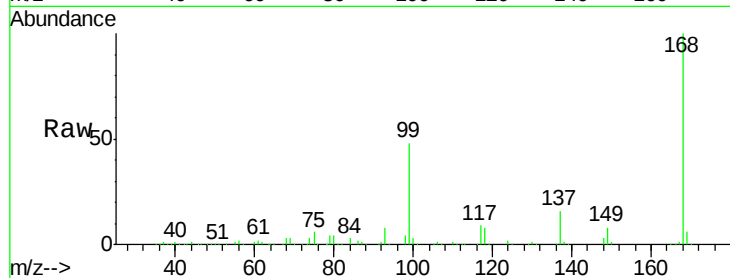
FB02-20190610

Tot Ion:168 Resp: 322168

Ion Ratio Lower Upper

168 100

99 48.4 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

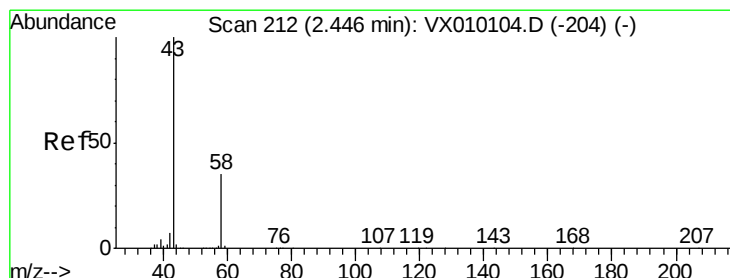
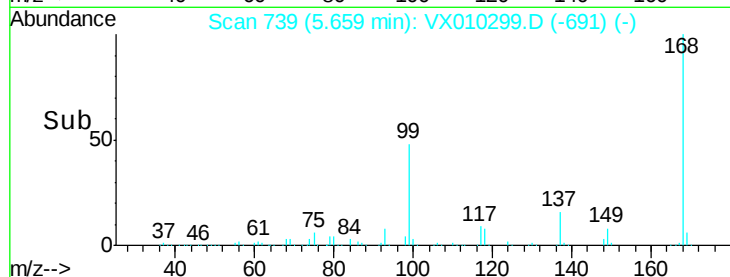
5.66

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 7.709 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010299.D

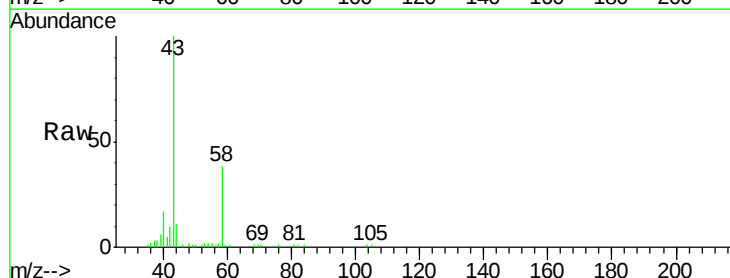
Acq: 14 Jun 2019 14:42

Tgt Ion: 43 Resp: 11402

Ion Ratio Lower Upper

43 100

58 37.1 23.2 34.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.44

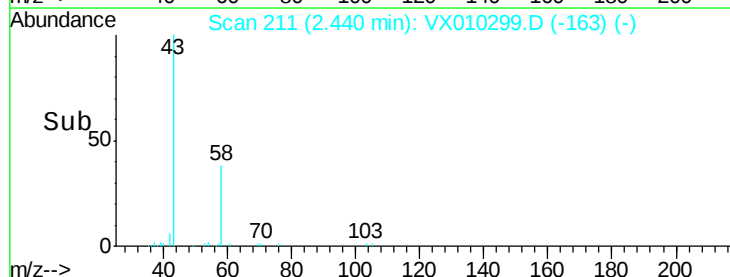
6000

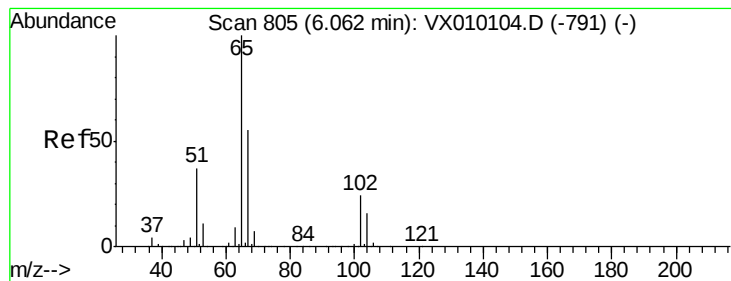
4000

2000

0

Time--> 2.40 2.45 2.50





#33

1,2-Dichloroethane-d4

Concen: 46.597 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010299.D

Acq: 14 Jun 2019 14:42

Instrument :

MSVOA\_X

ClientSampleId :

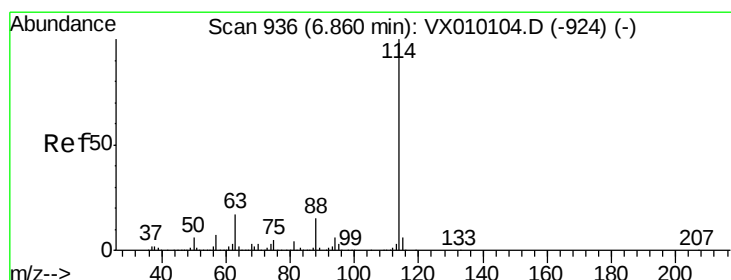
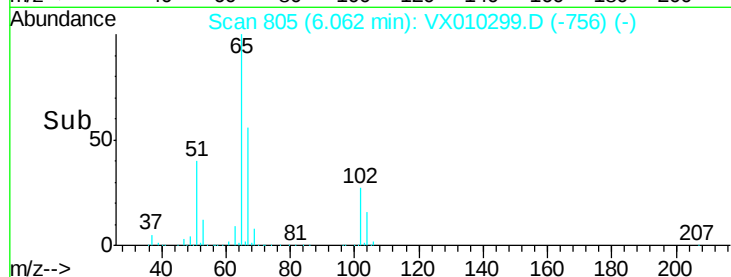
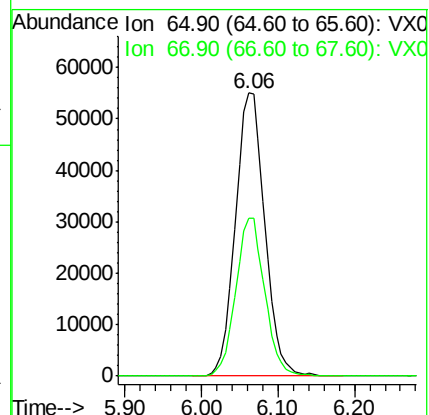
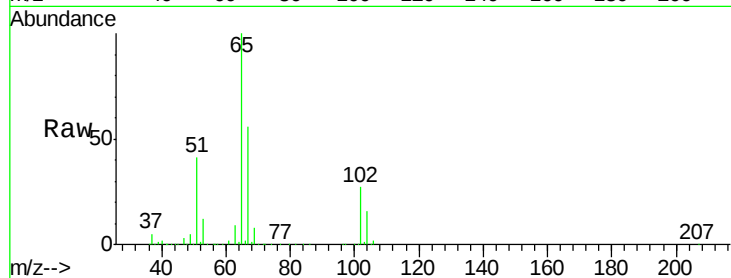
FB02-20190610

Tot Ion: 65 Resp: 146536

Ion Ratio Lower Upper

65 100

67 55.2 0.0 108.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX010299.D

Acq: 14 Jun 2019 14:42

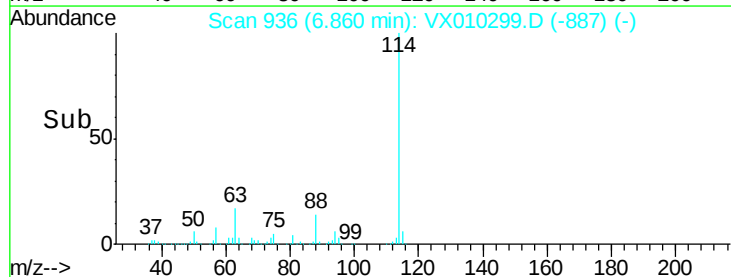
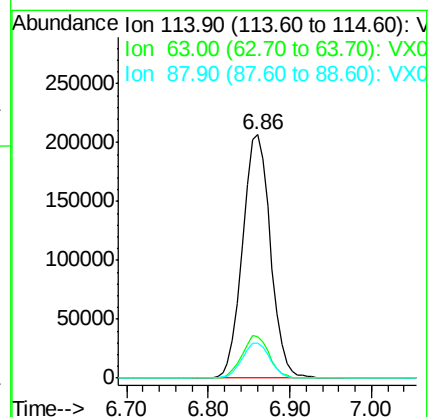
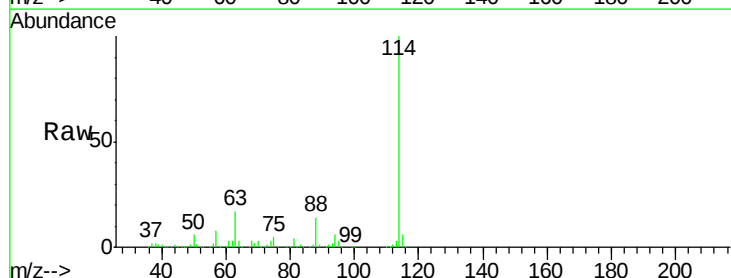
Tgt Ion: 114 Resp: 489853

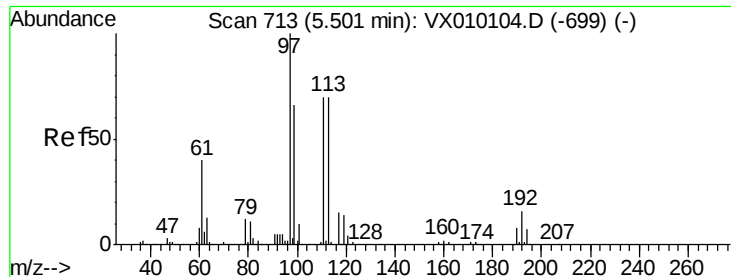
Ion Ratio Lower Upper

114 100

63 17.2 0.0 47.4

88 14.4 0.0 33.0





#35

Dibromofluoromethane

Concen: 48.689 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010299.D

Acq: 14 Jun 2019 14:42

Instrument :

MSVOA\_X

ClientSampleId :

FB02-20190610

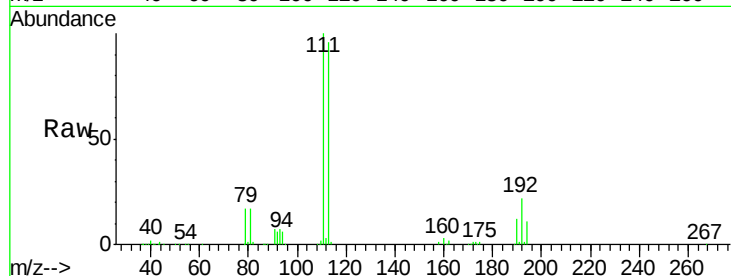
Tot Ion:113 Resp: 147114

Ion Ratio Lower Upper

113 100

111 102.7 82.2 123.2

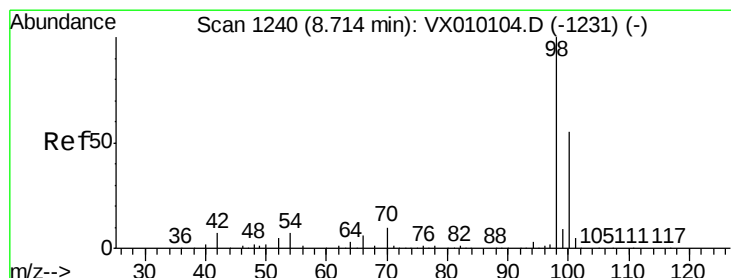
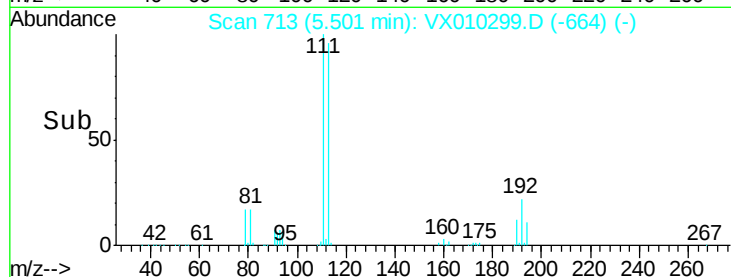
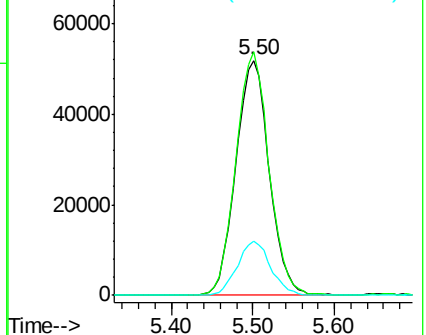
192 23.0 17.1 25.7



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: 50.360 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010299.D

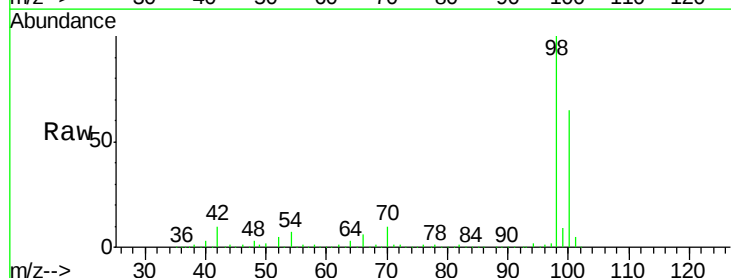
Acq: 14 Jun 2019 14:42

Tgt Ion: 98 Resp: 570283

Ion Ratio Lower Upper

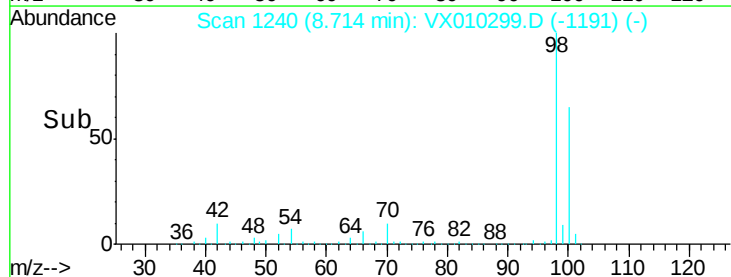
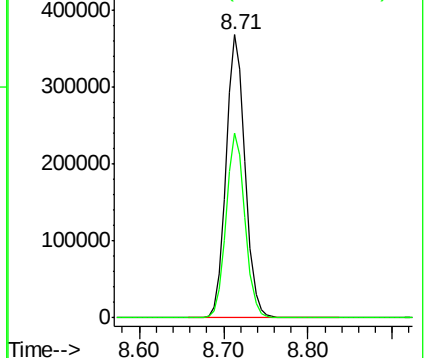
98 100

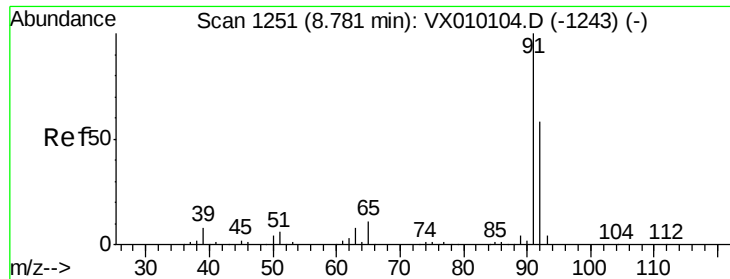
100 64.9 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#52

Toluene

Concen: 1.903 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX010299.D

Acq: 14 Jun 2019 14:42

Instrument :

MSVOA\_X

ClientSampleId :

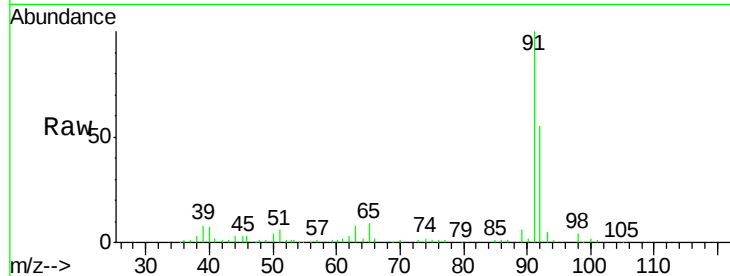
FB02-20190610

Tot Ion: 92 Resp: 15456

Ion Ratio Lower Upper

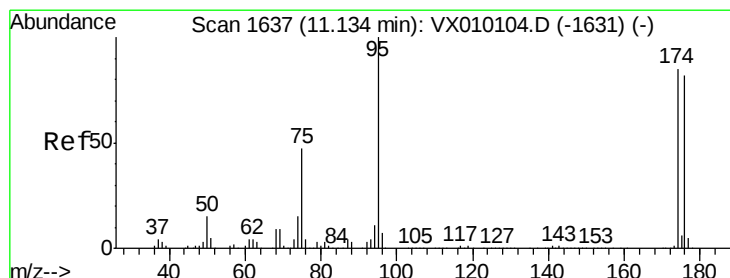
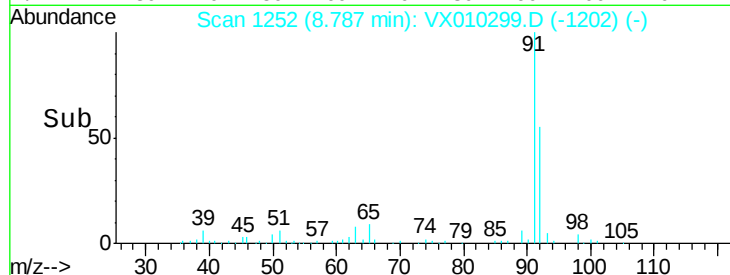
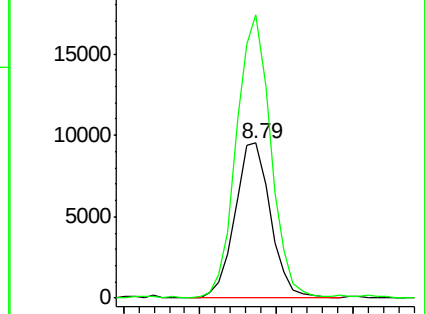
92 100

91 176.5 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 45.457 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010299.D

Acq: 14 Jun 2019 14:42

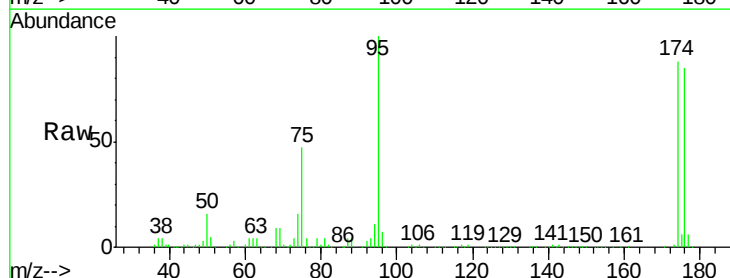
Tgt Ion: 95 Resp: 192242

Ion Ratio Lower Upper

95 100

174 94.5 0.0 160.4

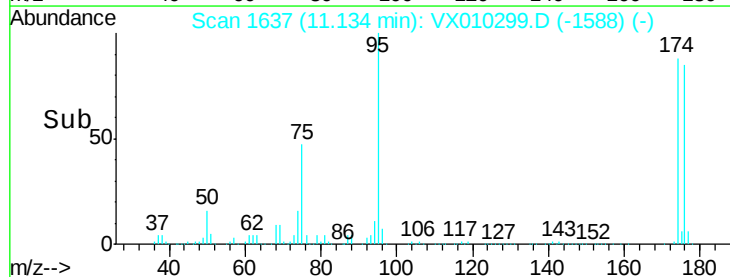
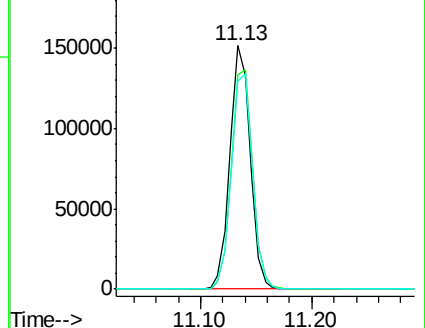
176 91.9 0.0 154.6

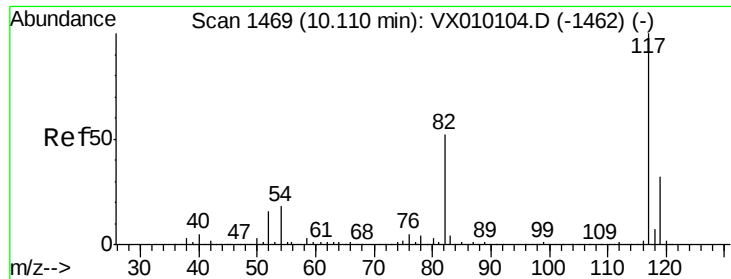


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

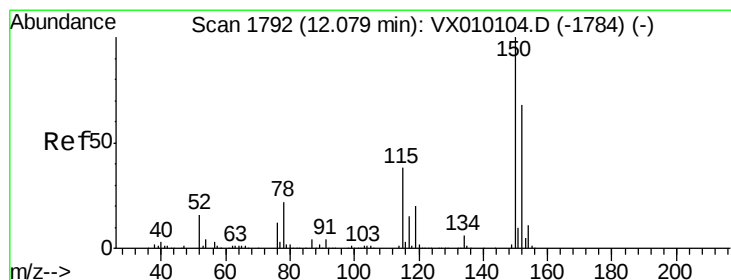
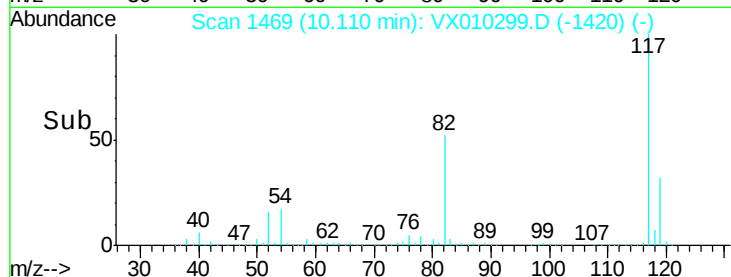
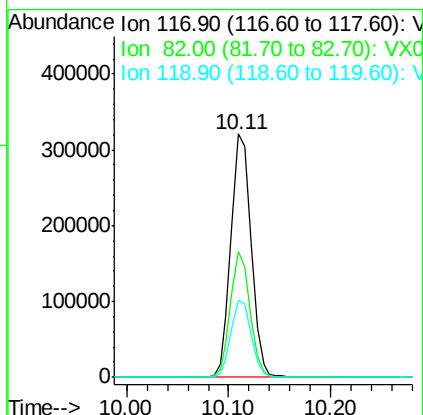
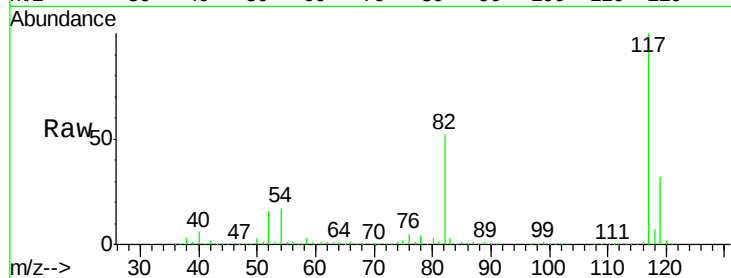




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. -0.00 min  
Lab File: VX010299.D  
Acq: 14 Jun 2019 14:42

Instrument :  
MSVOA\_X  
ClientSampleId :  
FB02-20190610

Tot Ion:117 Resp: 439623  
Ion Ratio Lower Upper  
117 100  
82 51.8 49.2 73.8  
119 31.6 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: VX010299.D  
Acq: 14 Jun 2019 14:42

Tgt Ion:152 Resp: 203341  
Ion Ratio Lower Upper  
152 100  
115 54.3 41.4 124.2  
150 155.5 0.0 345.2

