

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032119\  
 Data File : VX008293.D  
 Acq On : 21 Mar 2019 16:12  
 Operator : JC/SP  
 Sample : K1963-04  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BP-DUP03-20190314

Quant Time: Mar 22 09:26:53 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X031919W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 19 13:15:13 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 279153   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 458698   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 381455   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 152638   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 193923   | 46.12 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 92.24% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 147007   | 47.87 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 95.74% |          |
| 50) Toluene-d8              | 8.71  | 98   | 559902   | 48.09 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 96.18% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 175087   | 43.68 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 87.36% |          |

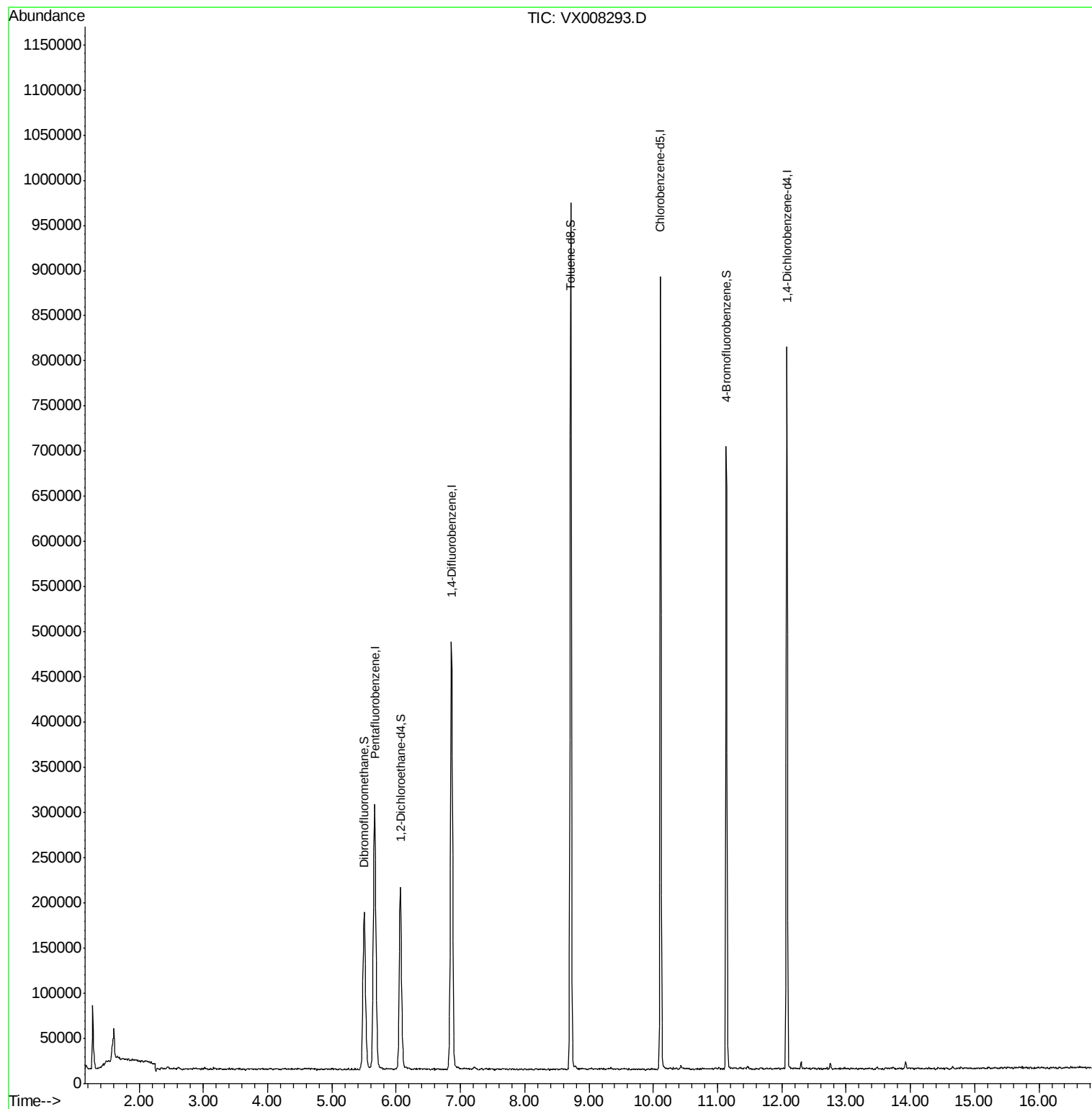
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

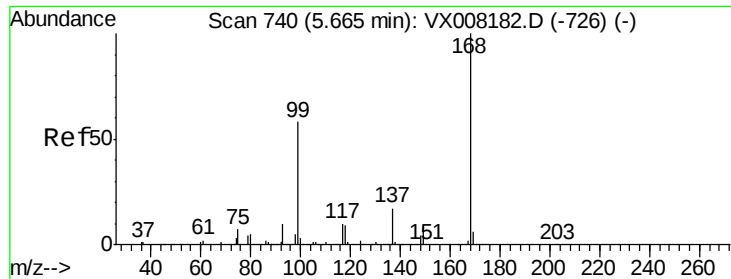
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX032119\  
Data File : VX008293.D  
Acq On : 21 Mar 2019 16:12  
Operator : JC/SP  
Sample : K1963-04  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-DUP03-20190314

Quant Time: Mar 22 09:26:53 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X031919W.M  
Quant Title : SW846 8260  
QLast Update : Tue Mar 19 13:15:13 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: VX008293.D

Acq: 21 Mar 2019 16:12

Instrument :

MSVOA\_X

ClientSampleId :

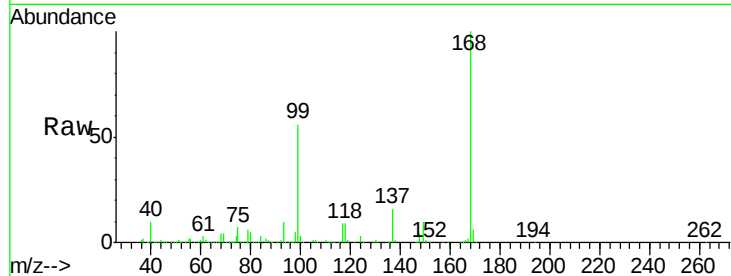
BP-DUP03-20190314

Tot Ion:168 Resp: 279153

Ion Ratio Lower Upper

168 100

99 55.4 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

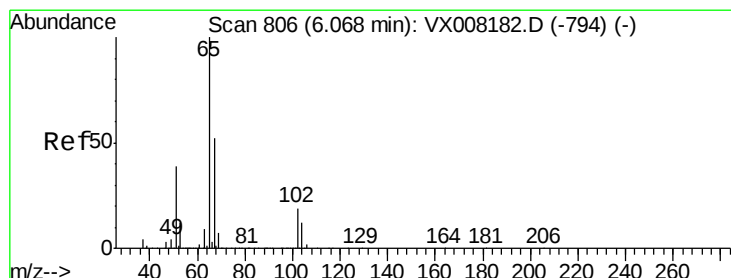
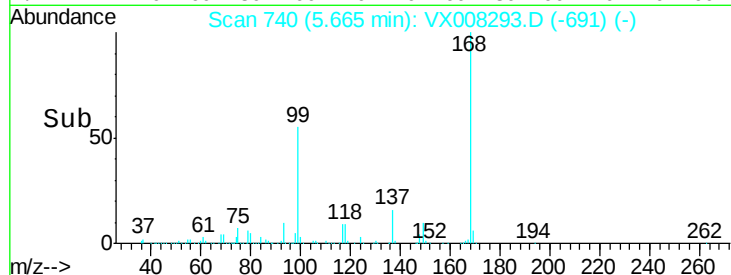
40000

20000

0

Time--> 5.50 5.60 5.70 5.80

5.67



#33

1,2-Dichloroethane-d4

Concen: 46.125 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX008293.D

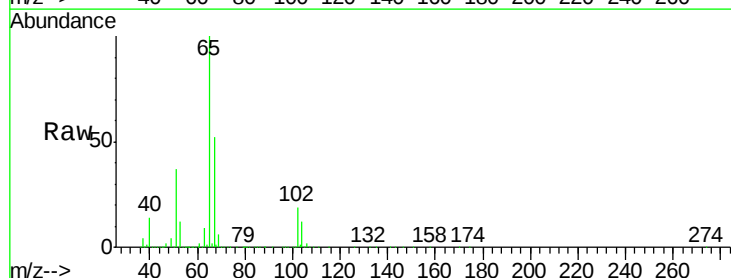
Acq: 21 Mar 2019 16:12

Tgt Ion: 65 Resp: 193923

Ion Ratio Lower Upper

65 100

67 52.7 0.0 110.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

80000

60000

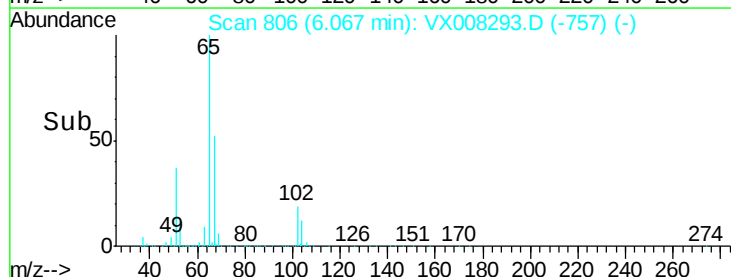
40000

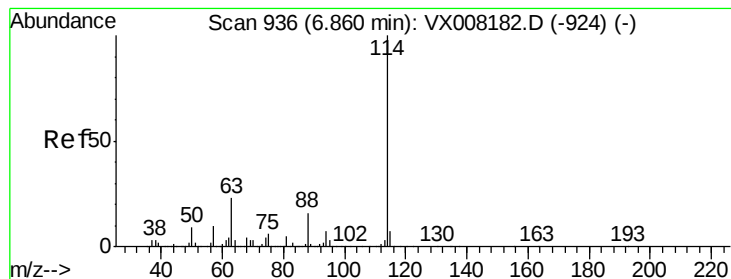
20000

0

Time--> 6.00 6.10 6.20

6.07





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008293.D

Acq: 21 Mar 2019 16:12

Instrument :

MSVOA\_X

ClientSampleId :

BP-DUP03-20190314

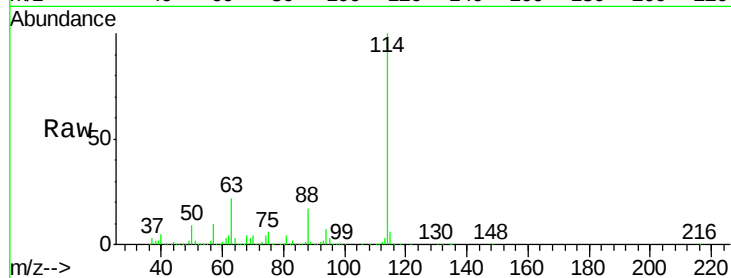
Tot Ion:114 Resp: 458698

Ion Ratio Lower Upper

114 100

63 22.0 0.0 39.8

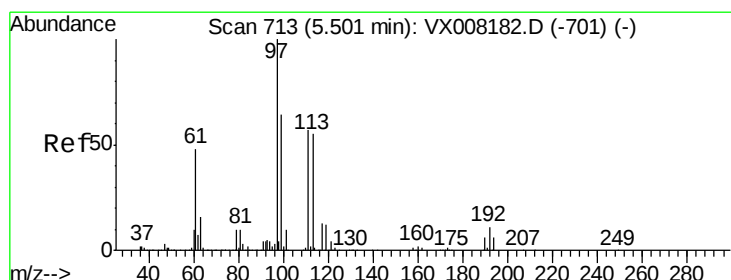
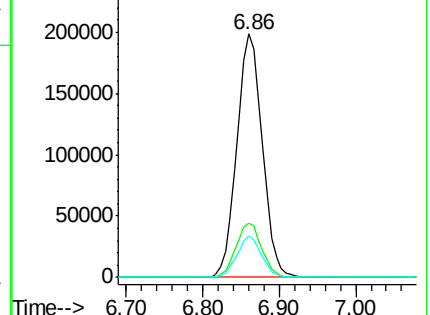
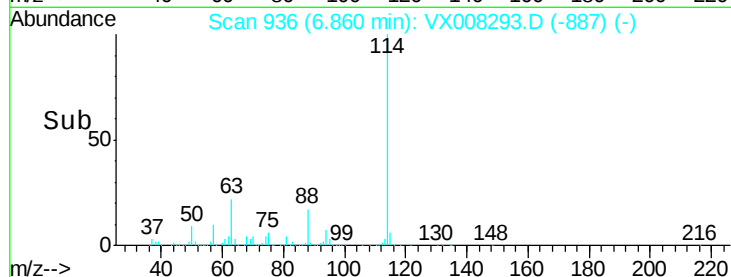
88 16.8 0.0 31.4



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: 47.874 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008293.D

Acq: 21 Mar 2019 16:12

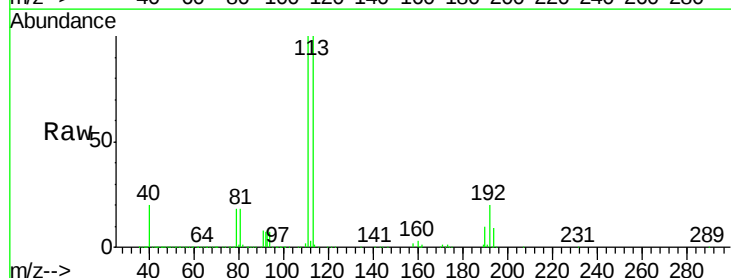
Tgt Ion:113 Resp: 147007

Ion Ratio Lower Upper

113 100

111 101.3 81.4 122.0

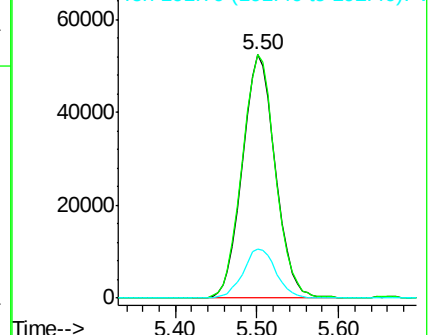
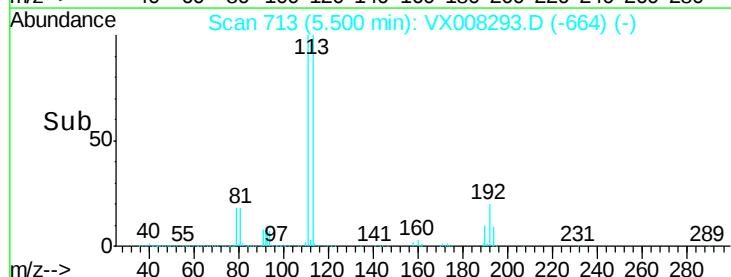
192 20.4 19.4 29.0

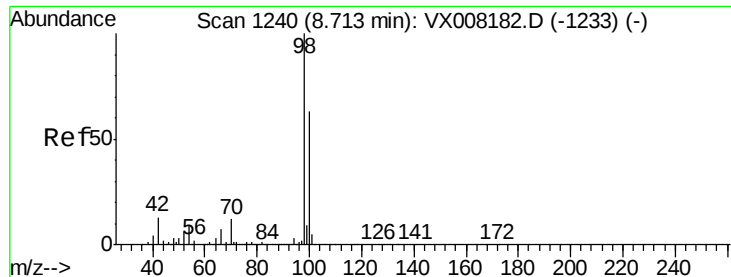


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 48.093 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008293.D

Acq: 21 Mar 2019 16:12

Instrument :

MSVOA\_X

ClientSampleId :

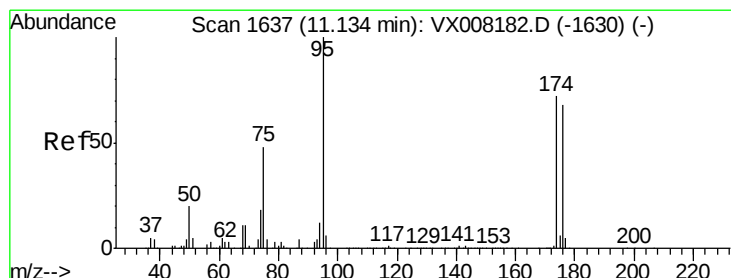
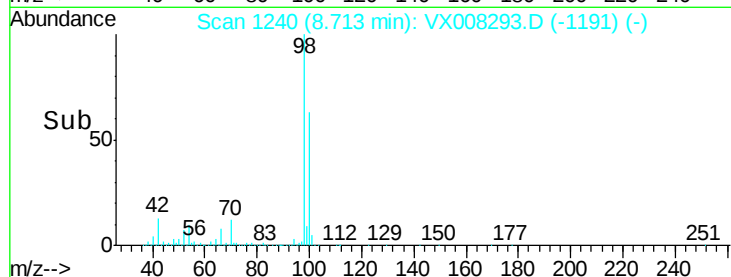
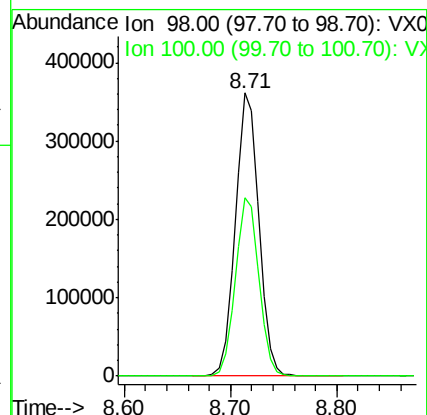
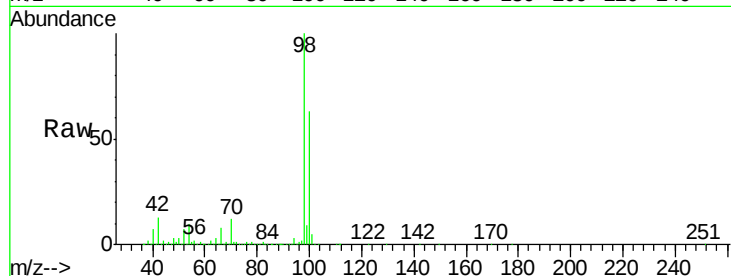
BP-DUP03-20190314

Tot Ion: 98 Resp: 559902

Ion Ratio Lower Upper

98 100

100 63.2 51.7 77.5



#62

4-Bromofluorobenzene

Concen: 43.678 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008293.D

Acq: 21 Mar 2019 16:12

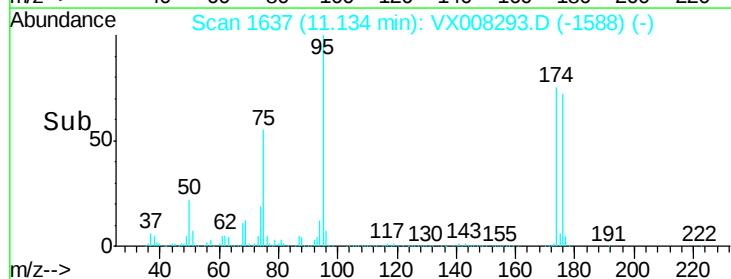
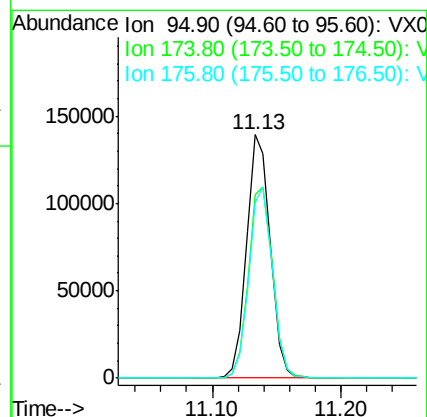
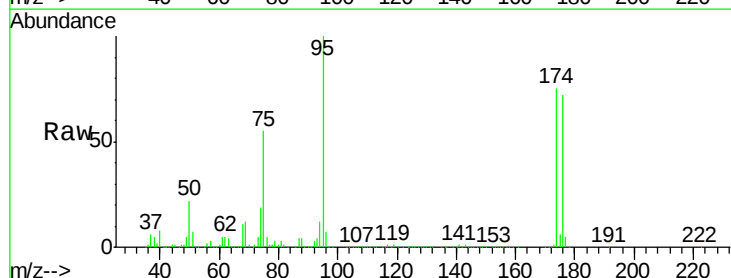
Tgt Ion: 95 Resp: 175087

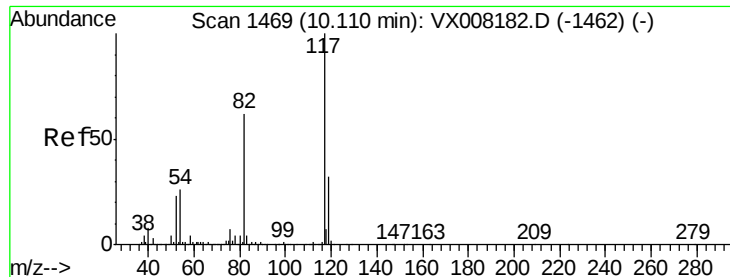
Ion Ratio Lower Upper

95 100

174 80.6 0.0 182.8

176 78.4 0.0 178.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX008293.D

Acq: 21 Mar 2019 16:12

Instrument :

MSVOA\_X

ClientSampleId :

BP-DUP03-20190314

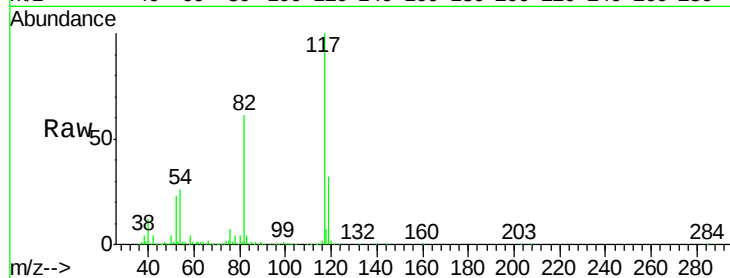
Tot Ion:117 Resp: 381455

Ion Ratio Lower Upper

117 100

82 60.6 44.3 66.5

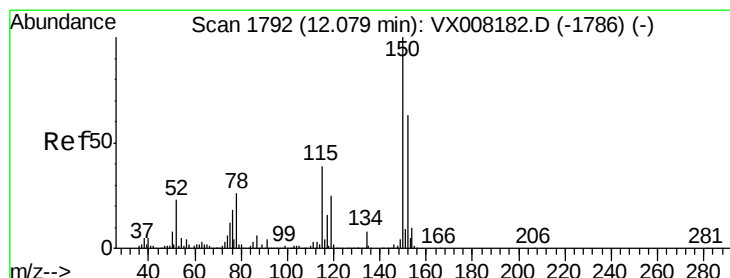
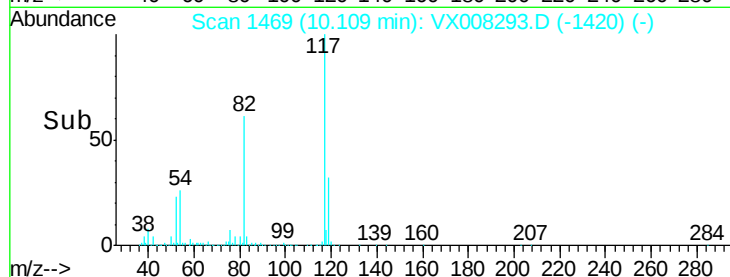
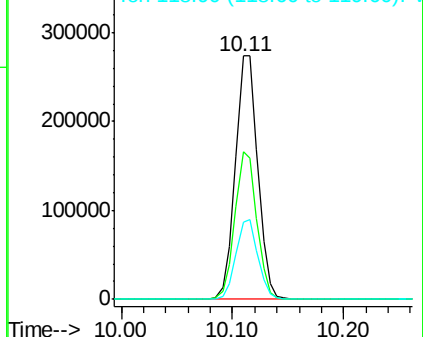
119 31.9 25.3 37.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

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: VX008293.D

Acq: 21 Mar 2019 16:12

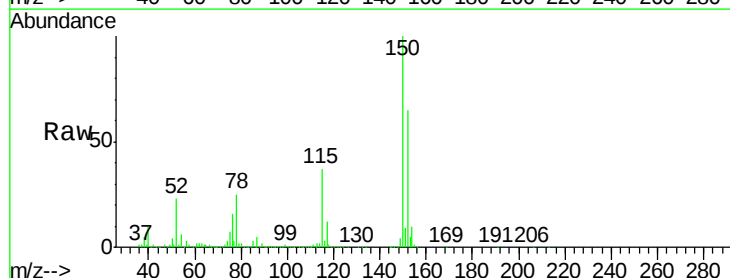
Tgt Ion:152 Resp: 152638

Ion Ratio Lower Upper

152 100

115 59.6 38.6 115.7

150 155.9 0.0 348.4



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

