

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052019\  
 Data File : VX009729.D  
 Acq On : 20 May 2019 16:26  
 Operator : JC/SP  
 Sample : K2952-04RE  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BP-VPB202-DUP-20190516RE

Quant Time: May 21 08:25:54 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X042919W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 09 07:31:15 2019  
 Response via : Initial Calibration

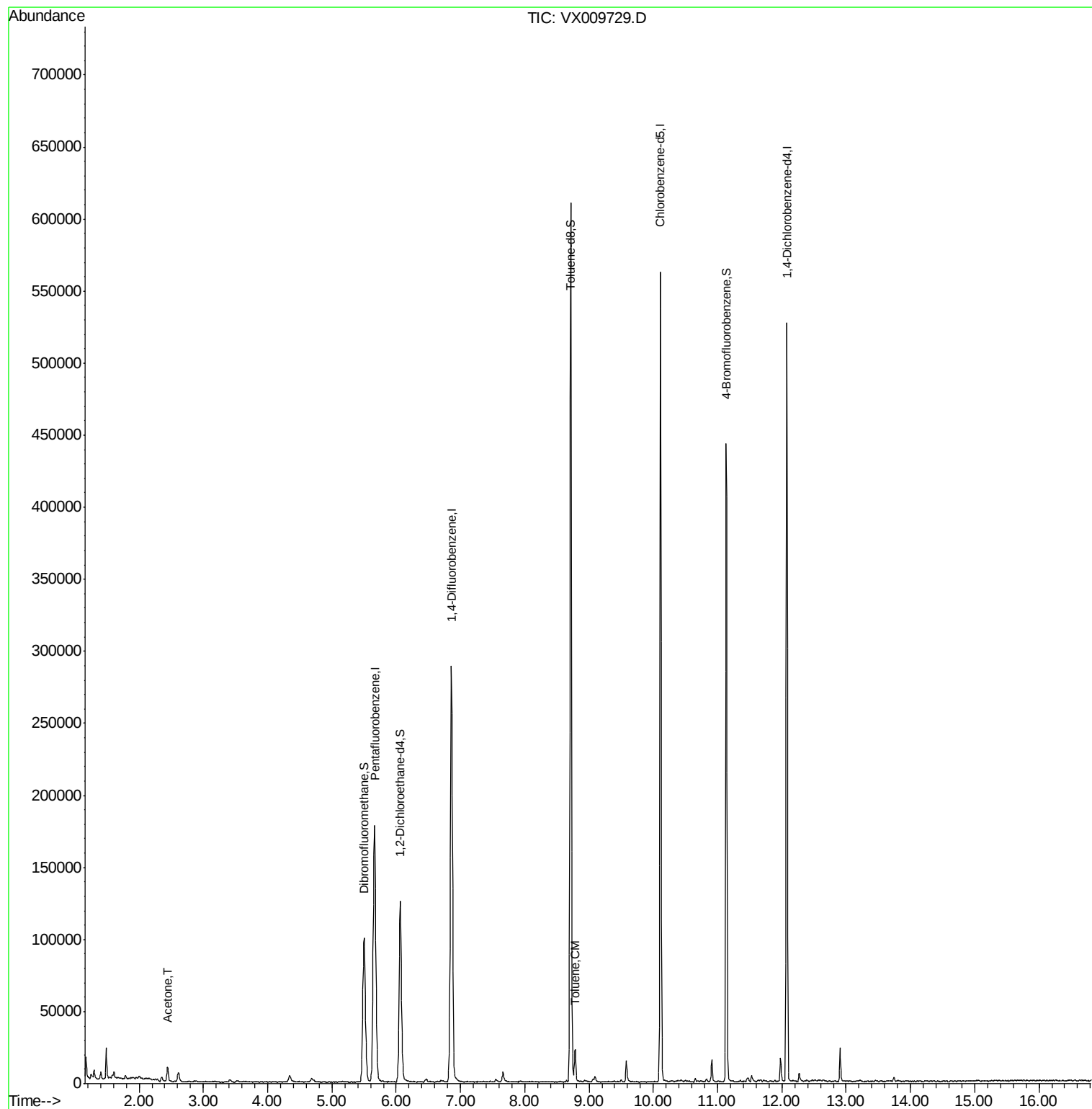
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 175140   | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 279652   | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 249194   | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 106315   | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 117414   | 49.11 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.22% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 85921    | 48.87 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.74% |          |
| 50) Toluene-d8              | 8.71  | 98   | 350539   | 49.39 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.78% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 115858   | 44.92 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 89.84% |          |
| Target Compounds            |       |      |          |       |        |          |
| 16) Acetone                 | 2.45  | 43   | 10774    | 8.392 | ug/l   | 98       |
| 52) Toluene                 | 8.79  | 92   | 7375     | 1.508 | ug/l   | 98       |

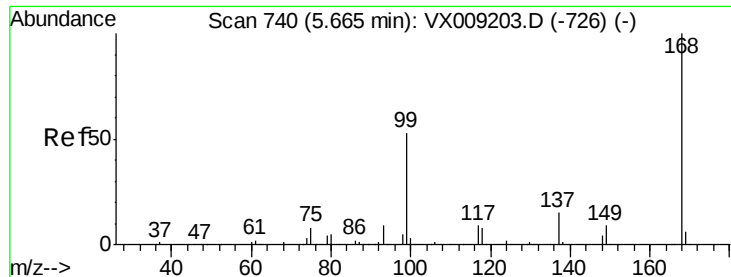
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX052019\  
Data File : VX009729.D  
Acq On : 20 May 2019 16:26  
Operator : JC/SP  
Sample : K2952-04RE  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB202-DUP-20190516RE

Quant Time: May 21 08:25:54 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X042919W.M  
Quant Title : SW846 8260  
QLast Update : Thu May 09 07:31:15 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: VX009729.D

Acq: 20 May 2019 16:26

Instrument :

MSVOA\_X

ClientSampleId :

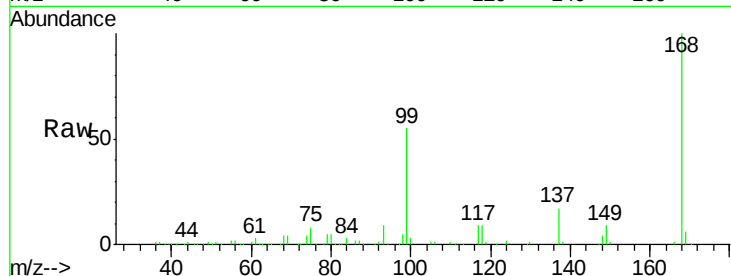
BP-VPB202-DUP-20190516RE

Tot Ion:168 Resp: 175140

Ion Ratio Lower Upper

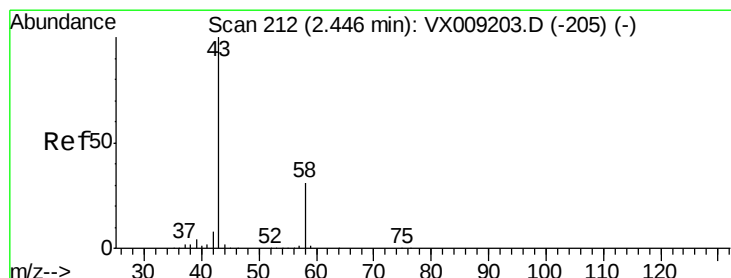
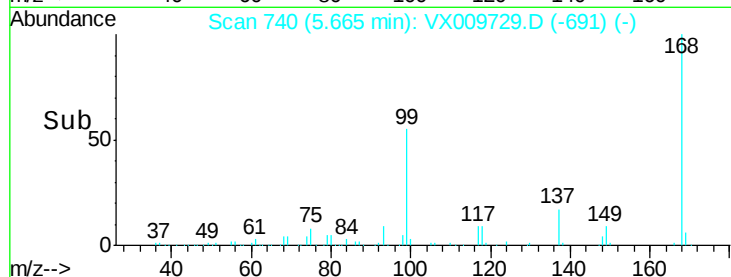
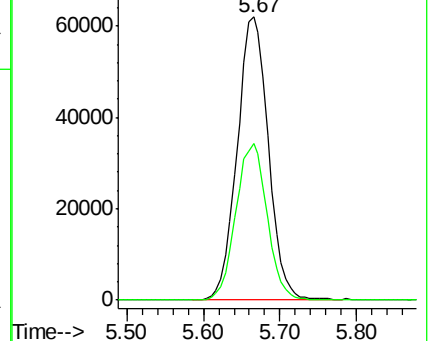
168 100

99 55.3 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 8.392 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009729.D

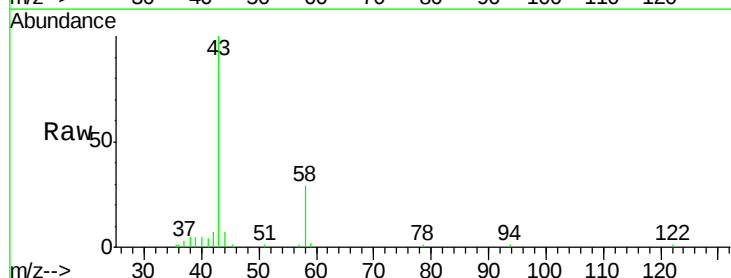
Acq: 20 May 2019 16:26

Tgt Ion: 43 Resp: 10774

Ion Ratio Lower Upper

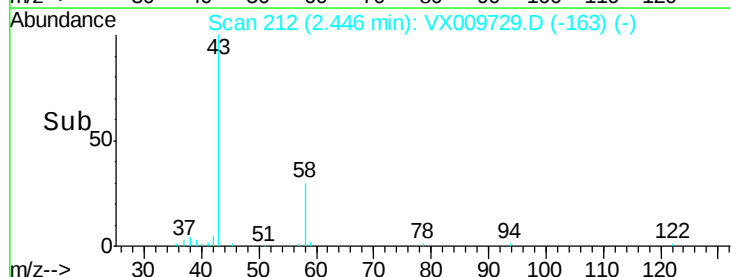
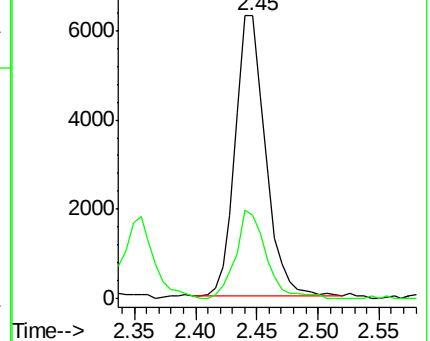
43 100

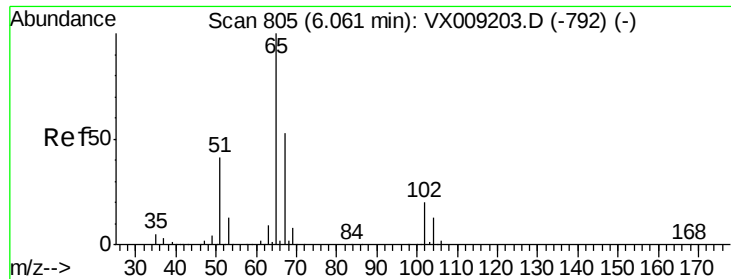
58 29.7 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

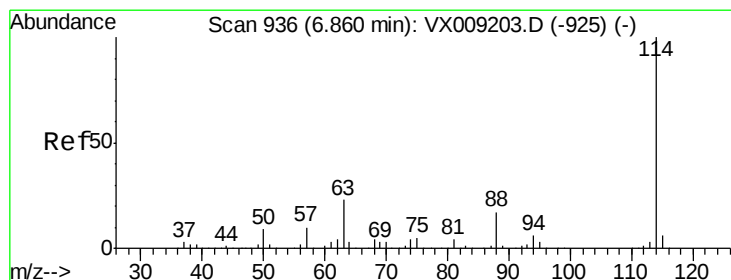
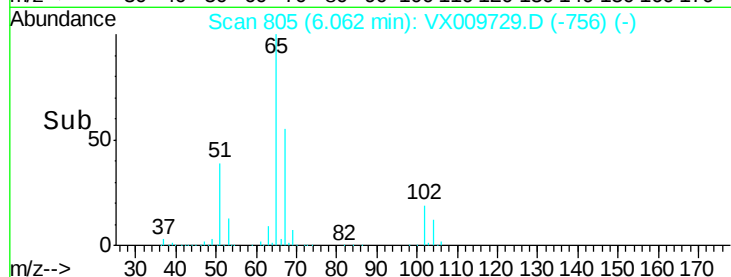
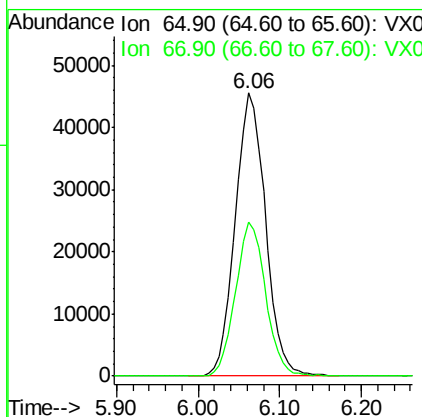
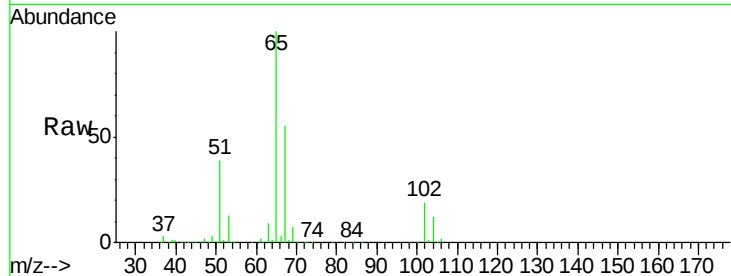




#33  
 1,2-Dichloroethane-d4  
 Concen: 49.109 ug/l  
 RT: 6.06 min Scan# 805  
 Delta R.T. 0.00 min  
 Lab File: VX009729.D  
 Acq: 20 May 2019 16:26

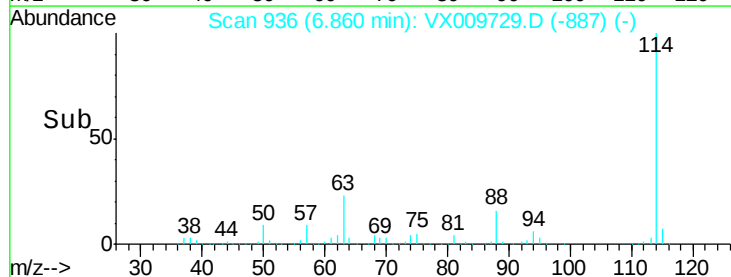
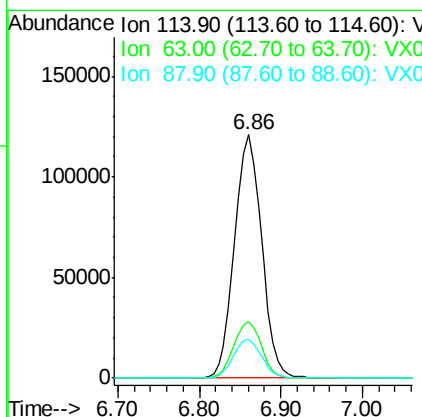
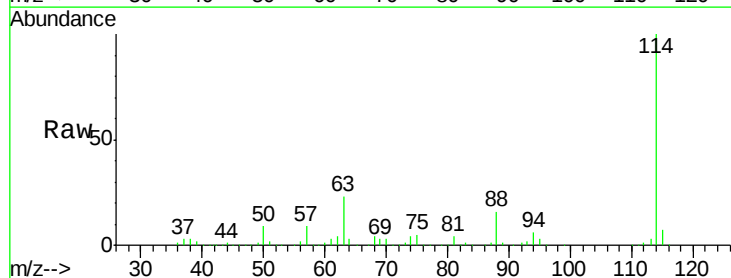
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BP-VPB202-DUP-20190516RE

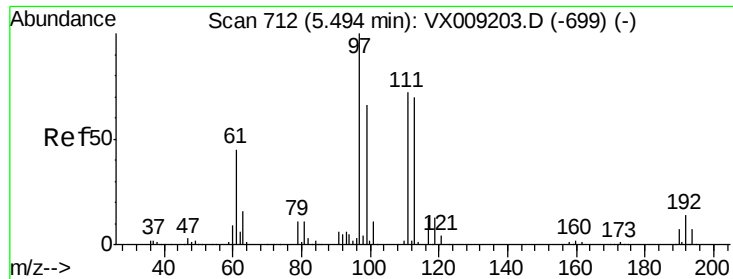
Tot Ion: 65 Resp: 117414  
 Ion Ratio Lower Upper  
 65 100  
 67 54.0 0.0 106.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. 0.00 min  
 Lab File: VX009729.D  
 Acq: 20 May 2019 16:26

Tgt Ion: 114 Resp: 279652  
 Ion Ratio Lower Upper  
 114 100  
 63 23.1 0.0 45.6  
 88 16.1 0.0 33.2

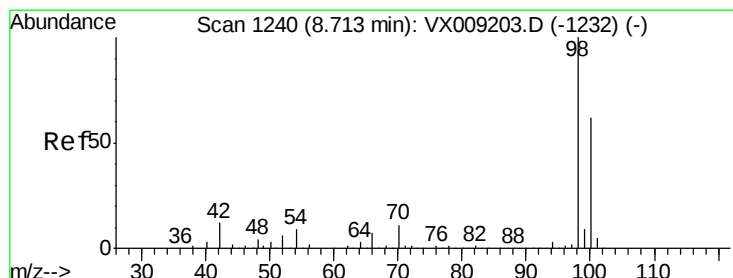
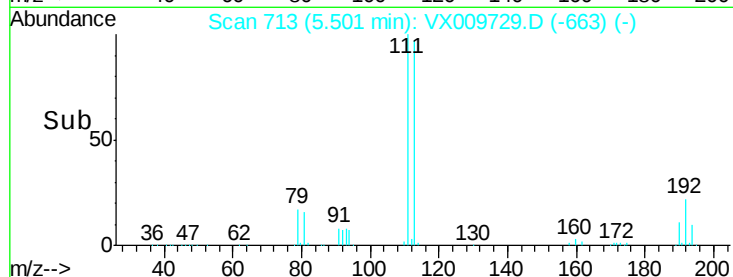
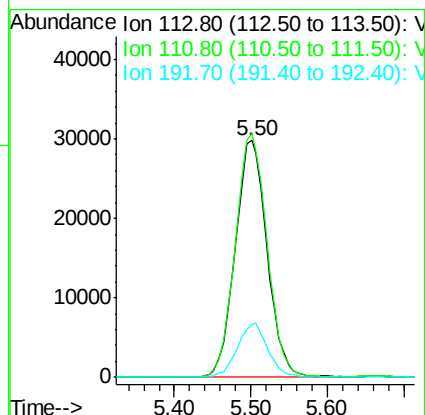
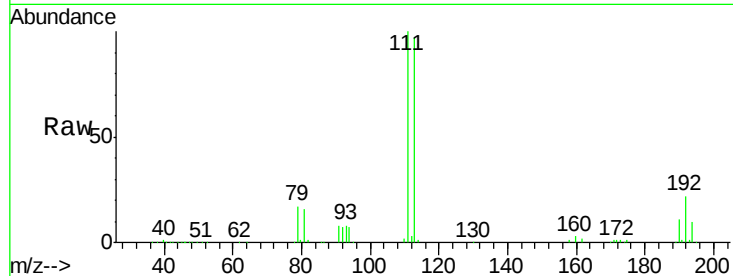




#35  
Dibromofluoromethane  
Concen: 48.874 ug/l  
RT: 5.50 min Scan# 713  
Delta R.T. 0.01 min  
Lab File: VX009729.D  
Acq: 20 May 2019 16:26

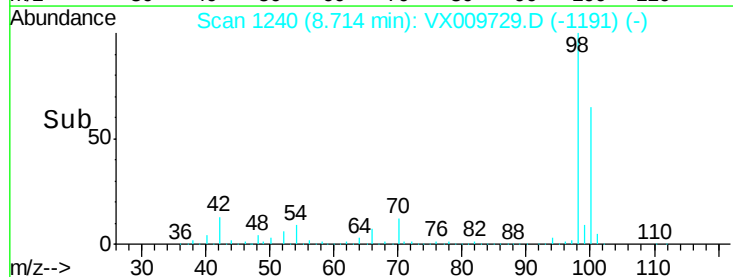
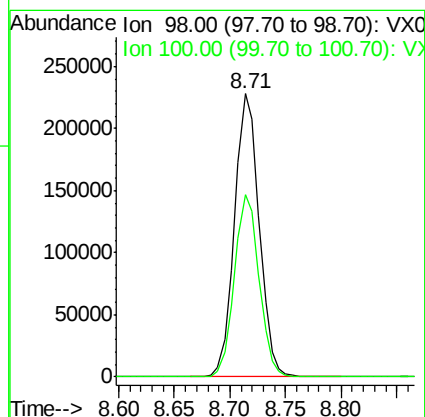
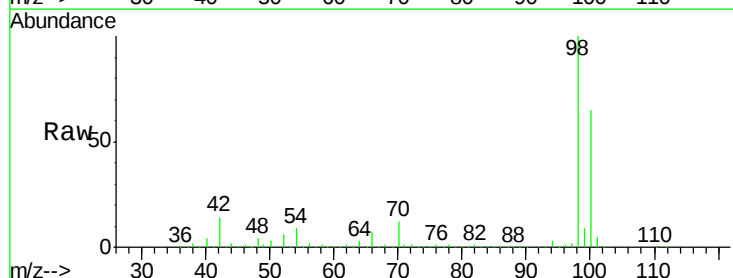
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB202-DUP-20190516RE

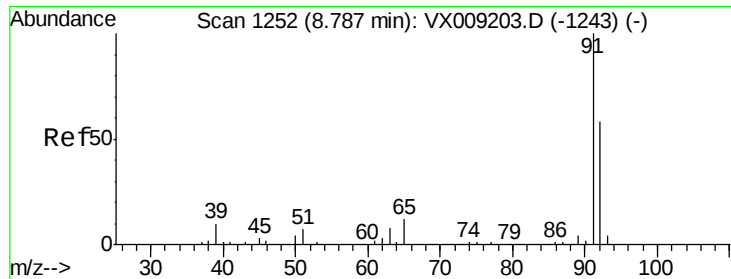
Tot Ion:113 Resp: 85921  
Ion Ratio Lower Upper  
113 100  
111 102.6 82.8 124.2  
192 21.8 17.0 25.6



#50  
Toluene-d8  
Concen: 49.389 ug/l  
RT: 8.71 min Scan# 1240  
Delta R.T. 0.00 min  
Lab File: VX009729.D  
Acq: 20 May 2019 16:26

Tgt Ion: 98 Resp: 350539  
Ion Ratio Lower Upper  
98 100  
100 64.4 51.2 76.8





#52

Toluene

Concen: 1.508 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX009729.D

Acq: 20 May 2019 16:26

Instrument :

MSVOA\_X

ClientSampleId :

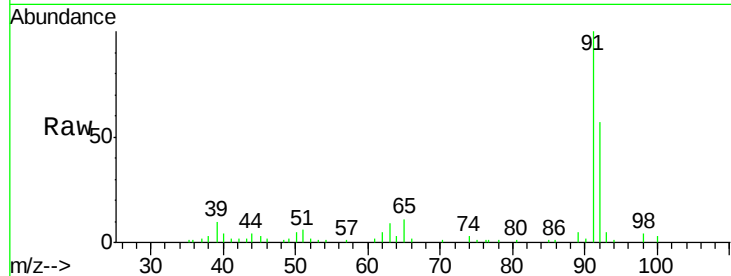
BP-VPB202-DUP-20190516RE

Tot Ion: 92 Resp: 7375

Ion Ratio Lower Upper

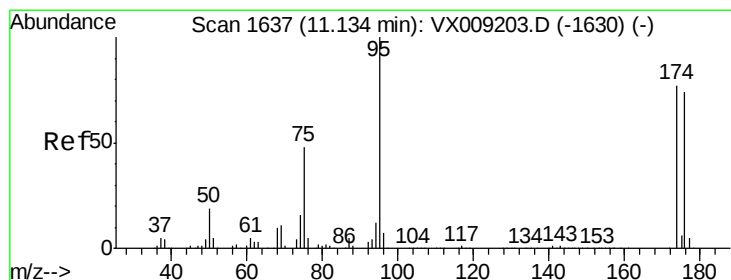
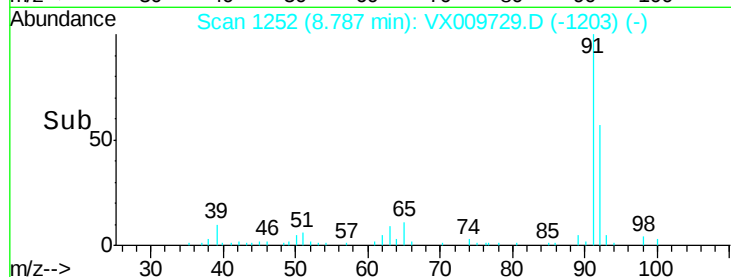
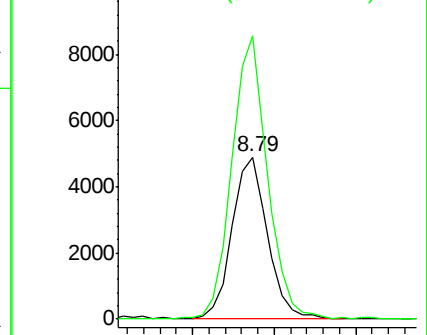
92 100

91 176.1 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 44.924 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009729.D

Acq: 20 May 2019 16:26

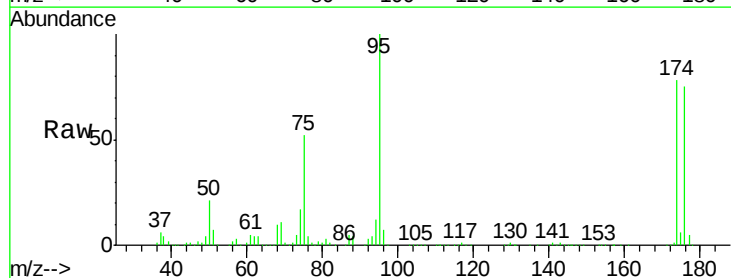
Tgt Ion: 95 Resp: 115858

Ion Ratio Lower Upper

95 100

174 81.5 0.0 161.6

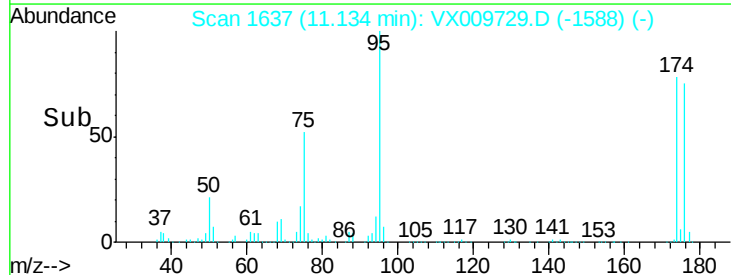
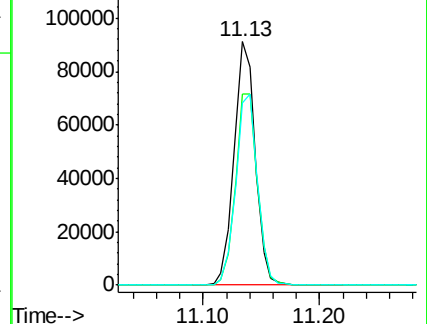
176 80.3 0.0 159.2

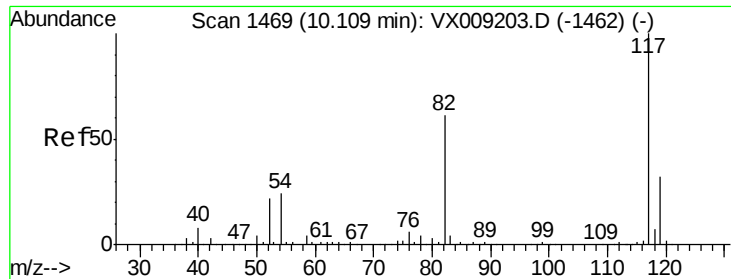


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

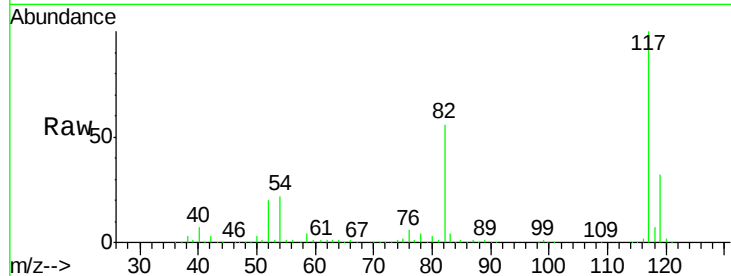




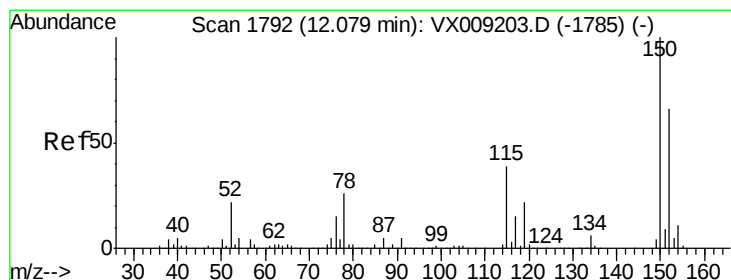
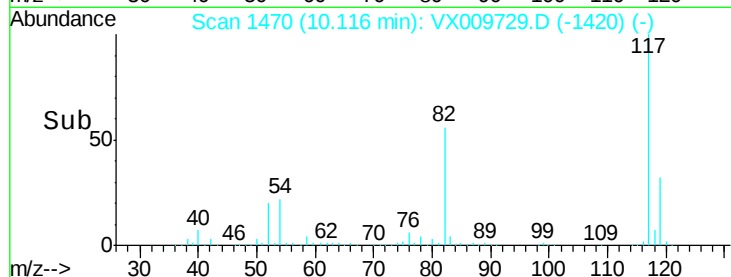
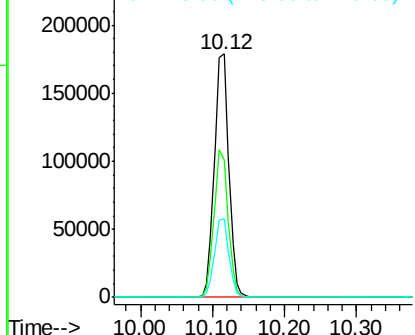
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. 0.01 min  
Lab File: VX009729.D  
Acq: 20 May 2019 16:26

Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB202-DUP-20190516RE

Tot Ion:117 Resp: 249194  
Ion Ratio Lower Upper  
117 100  
82 56.2 48.8 73.2  
119 32.0 25.8 38.6

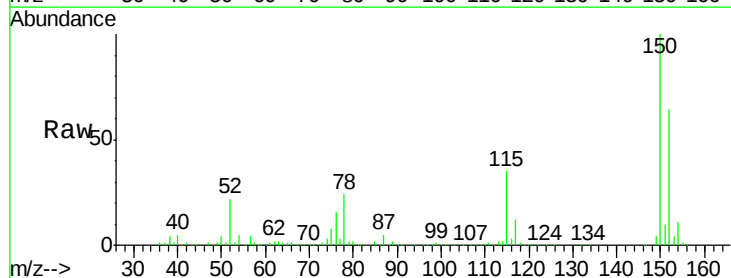


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. 0.00 min  
Lab File: VX009729.D  
Acq: 20 May 2019 16:26

Tgt Ion:152 Resp: 106315  
Ion Ratio Lower Upper  
152 100  
115 57.8 41.2 123.6  
150 156.7 0.0 346.4



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

