

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072519\  
 Data File : VX011072.D  
 Acq On : 25 Jul 2019 12:56  
 Operator : JC/SP  
 Sample : K3973-05  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BP-VPB203-EB-20190723

Quant Time: Jul 26 01:57:20 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X071619W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jul 24 05:39:23 2019  
 Response via : Initial Calibration

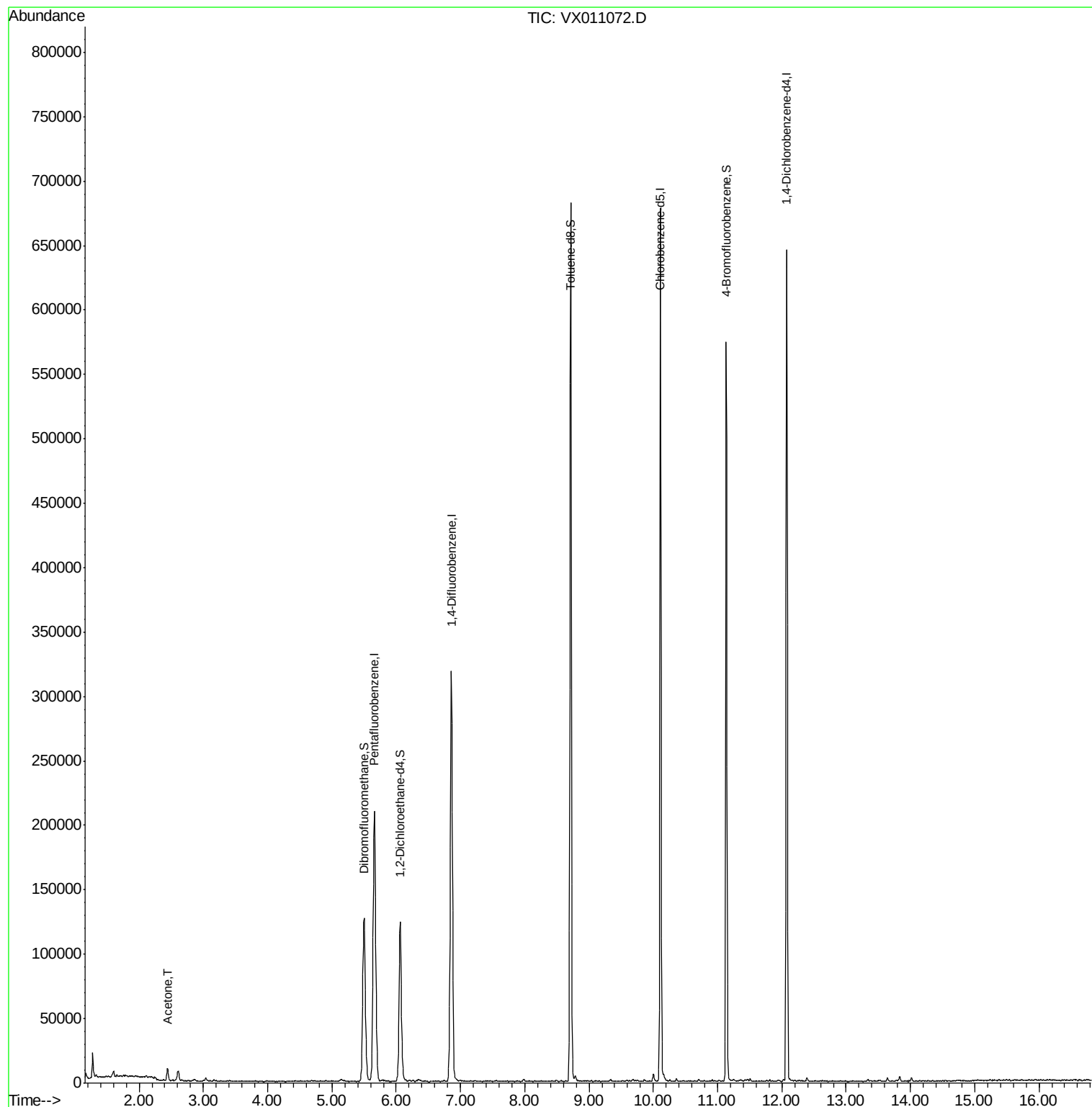
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|---------|-----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 211795   | 50.00  | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 337089   | 50.00  | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 312030   | 50.00  | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 144771   | 50.00  | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |        |         |           |
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 114926   | 51.01  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 102.02% |           |
| 35) Dibromofluoromethane    | 5.50  | 113  | 107064   | 50.04  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.08% |           |
| 50) Toluene-d8              | 8.71  | 98   | 405479   | 50.53  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.06% |           |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 141366   | 47.93  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 95.86%  |           |
| Target Compounds            |       |      |          |        |         |           |
| 16) Acetone                 | 2.44  | 43   | 10504    | 10.322 | ug/l    | Qvalue 96 |

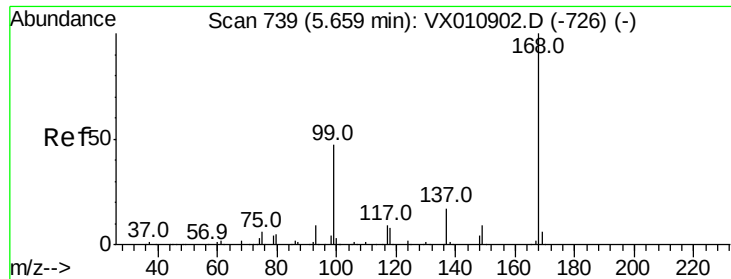
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Wed Jul 24 05:39:23 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX011072.D

Acq: 25 Jul 2019 12:56

Instrument :

MSVOA\_X

ClientSampleId :

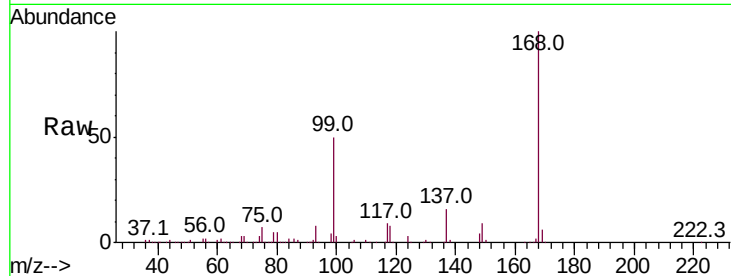
BP-VPB203-EB-20190723

Tot Ion:168 Resp: 211795

Ion Ratio Lower Upper

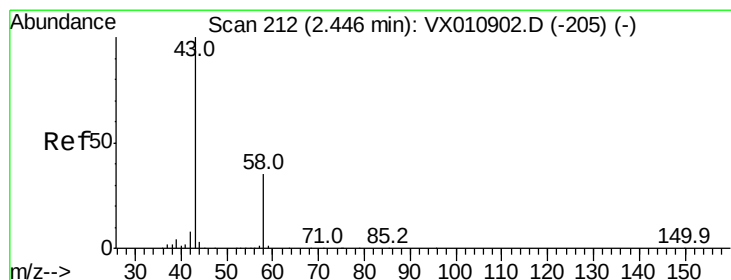
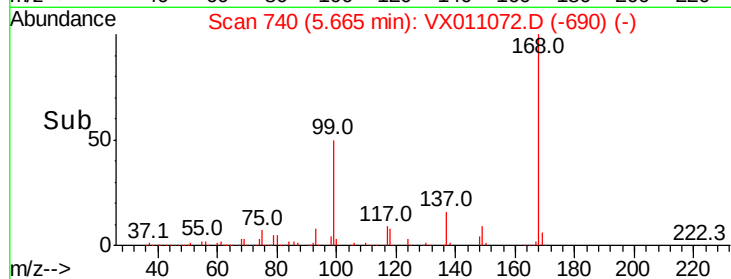
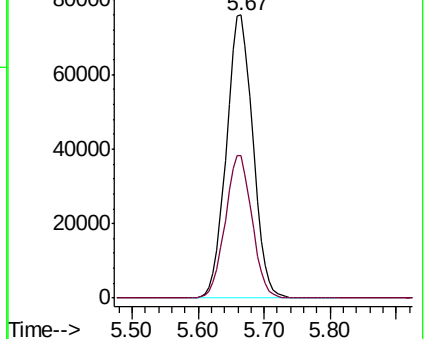
168 100

99 50.3 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 10.322 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX011072.D

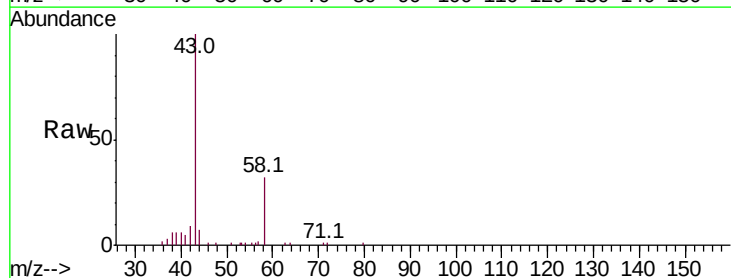
Acq: 25 Jul 2019 12:56

Tgt Ion: 43 Resp: 10504

Ion Ratio Lower Upper

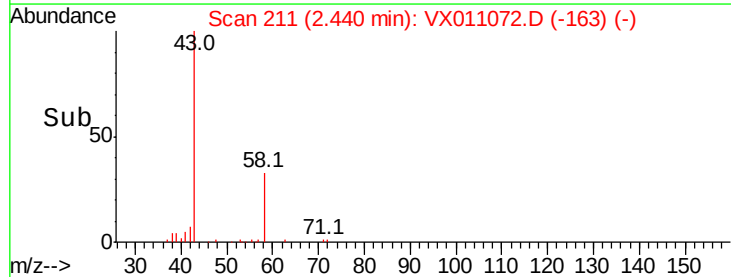
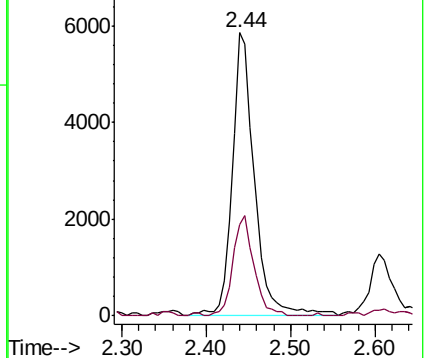
43 100

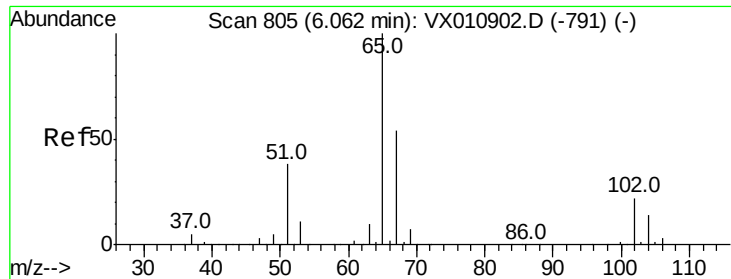
58 32.2 27.7 41.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

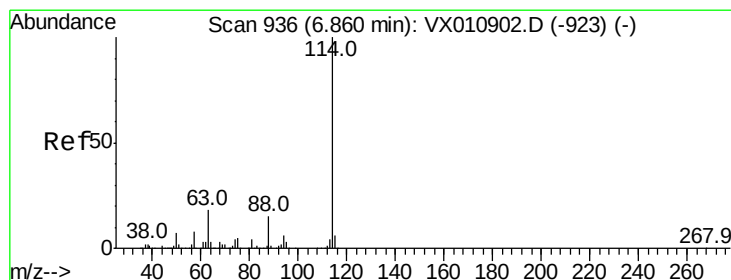
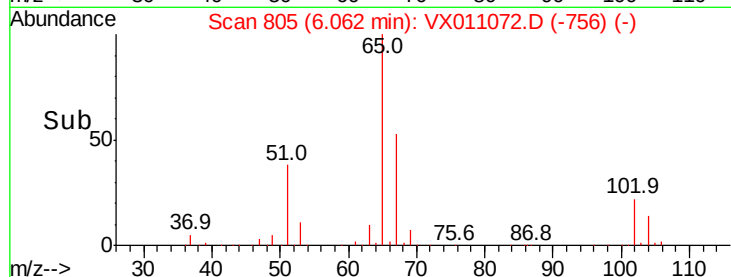
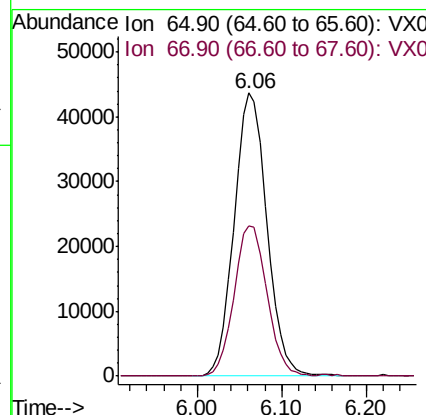
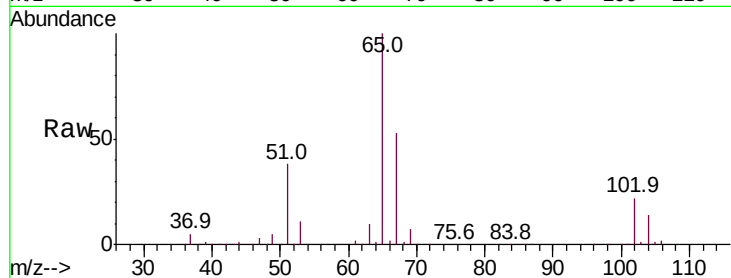




#33  
 1,2-Dichloroethane-d4  
 Concen: 51.006 ug/l  
 RT: 6.06 min Scan# 805  
 Delta R.T. -0.00 min  
 Lab File: VX011072.D  
 Acq: 25 Jul 2019 12:56

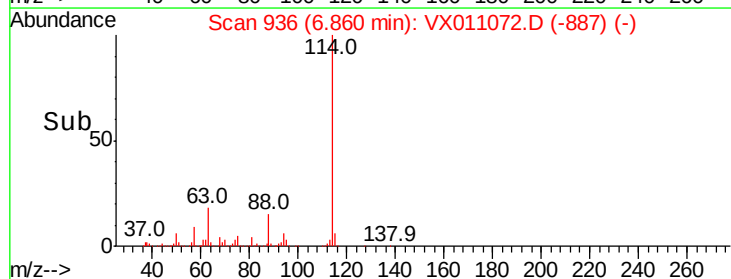
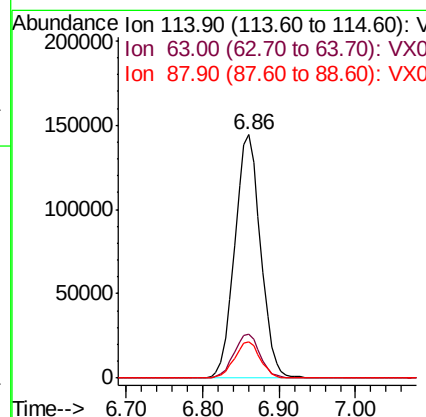
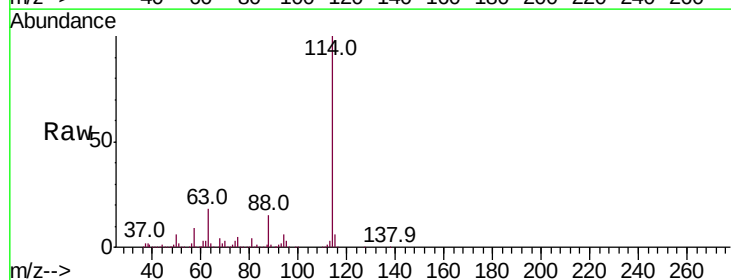
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BP-VPB203-EB-20190723

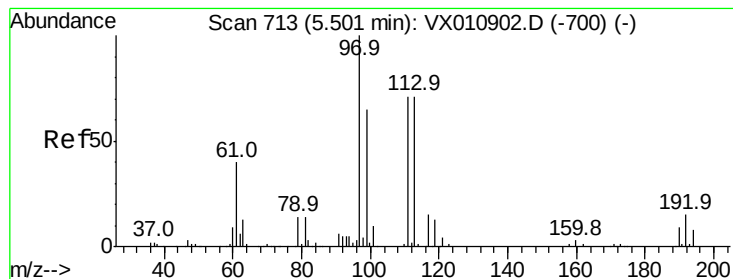
Tot Ion: 65 Resp: 114926  
 Ion Ratio Lower Upper  
 65 100  
 67 53.4 0.0 107.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. -0.00 min  
 Lab File: VX011072.D  
 Acq: 25 Jul 2019 12:56

Tgt Ion: 114 Resp: 337089  
 Ion Ratio Lower Upper  
 114 100  
 63 18.1 0.0 35.6  
 88 14.8 0.0 29.8





#35

Dibromofluoromethane

Concen: 50.040 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX011072.D

Acq: 25 Jul 2019 12:56

Instrument :

MSVOA\_X

ClientSampleId :

BP-VPB203-EB-20190723

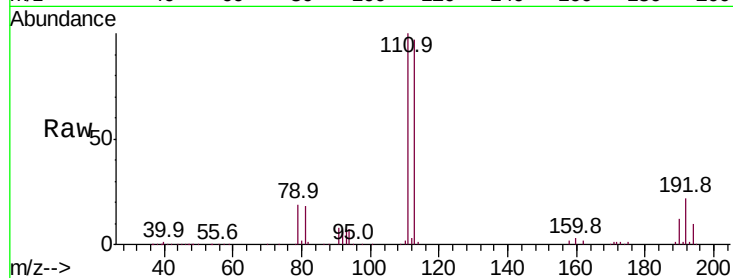
Tot Ion:113 Resp: 107064

Ion Ratio Lower Upper

113 100

111 101.6 82.3 123.5

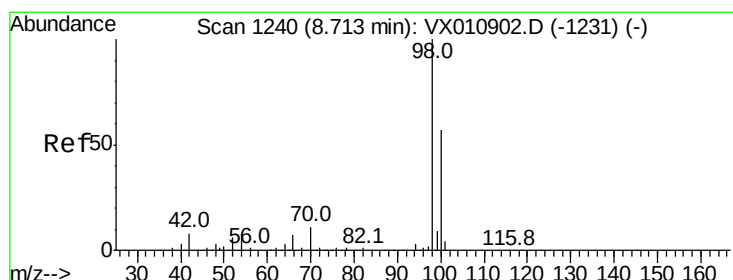
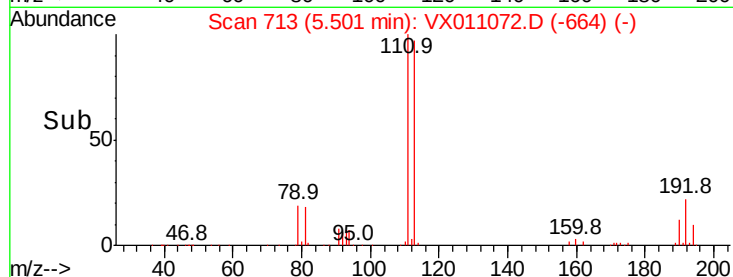
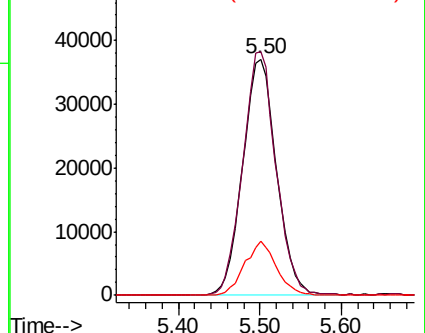
192 21.6 17.4 26.2



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: 50.528 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX011072.D

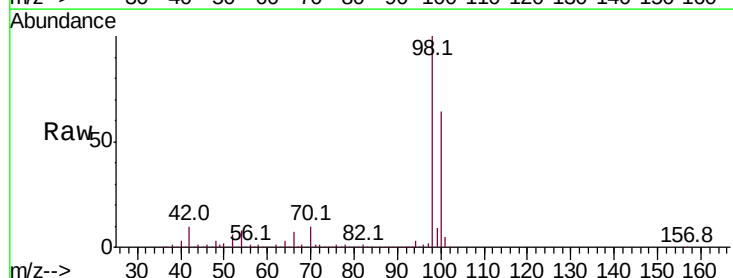
Acq: 25 Jul 2019 12:56

Tgt Ion: 98 Resp: 405479

Ion Ratio Lower Upper

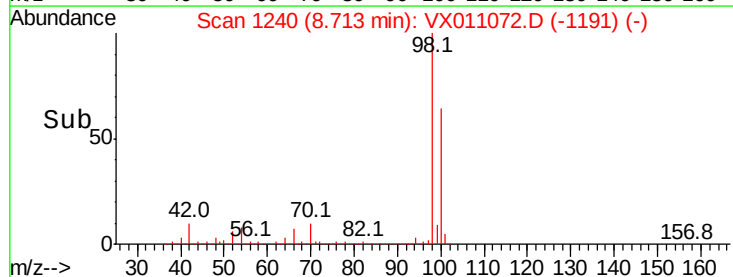
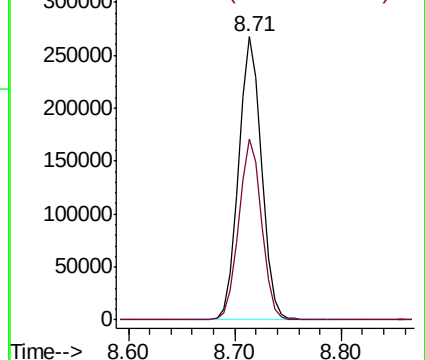
98 100

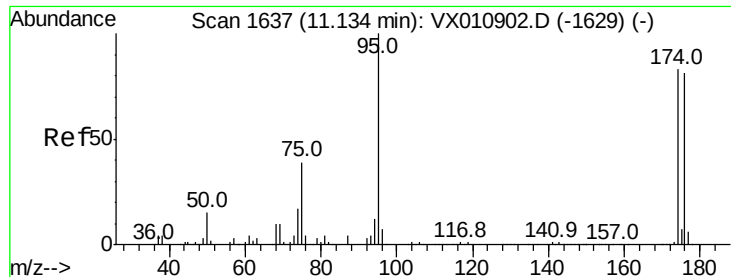
100 63.5 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

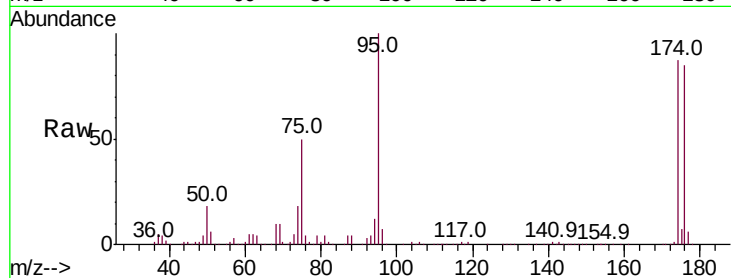




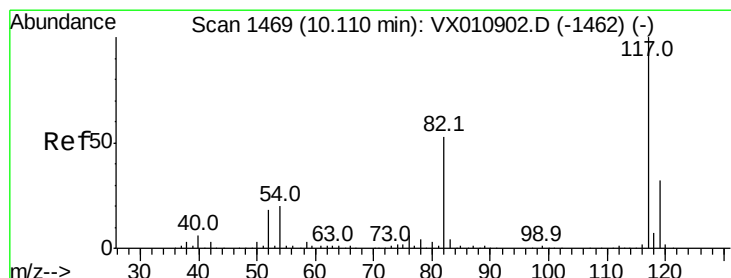
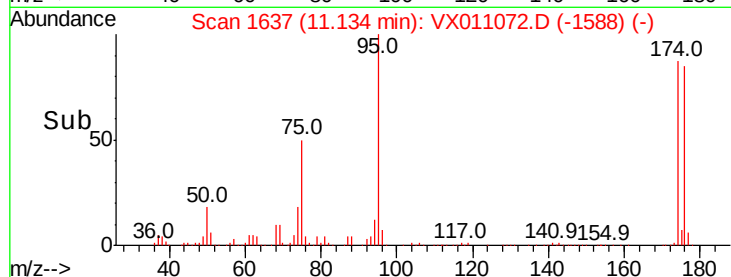
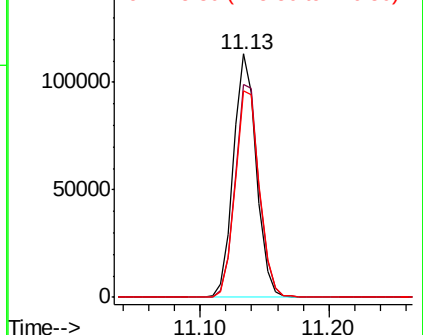
#62  
4-Bromofluorobenzene  
Concen: 47.926 ug/l  
RT: 11.13 min Scan# 1637  
Delta R.T. -0.00 min  
Lab File: VX011072.D  
Acq: 25 Jul 2019 12:56

Instrument :  
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| Tot Ion   | 95   | Resp  | 141366 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 174       | 91.1 | 0.0   | 180.6  |
| 176       | 89.1 | 0.0   | 173.8  |

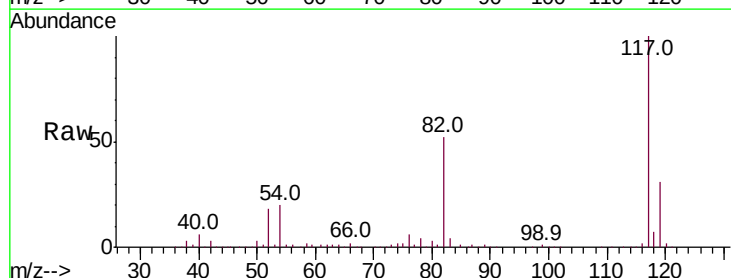


Abundance Ion 94.90 (94.60 to 95.60): VX010902.D (-1629) (-)  
Ion 173.80 (173.50 to 174.50): VX010902.D (-1629) (-)  
Ion 175.80 (175.50 to 176.50): VX010902.D (-1629) (-)

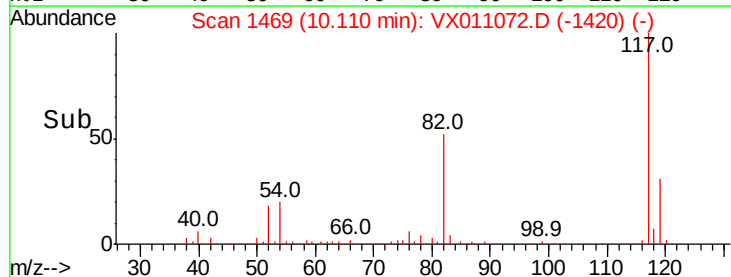
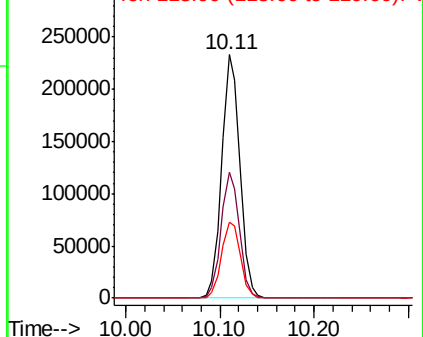


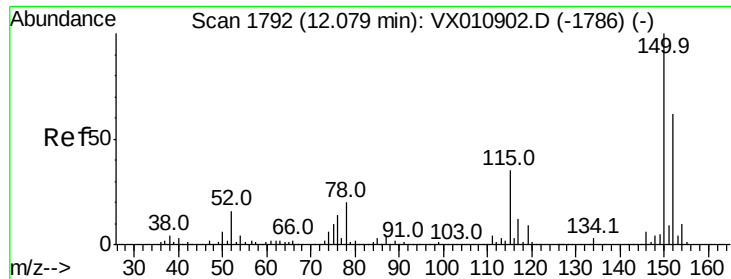
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. -0.00 min  
Lab File: VX011072.D  
Acq: 25 Jul 2019 12:56

| Tgt Ion   | 117  | Resp  | 312030 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 82        | 51.8 | 42.6  | 63.8   |
| 119       | 31.4 | 25.9  | 38.9   |



Abundance Ion 116.90 (116.60 to 117.60): VX010902.D (-1462) (-)  
Ion 82.00 (81.70 to 82.70): VX010902.D (-1462) (-)  
Ion 118.90 (118.60 to 119.60): VX010902.D (-1462) (-)

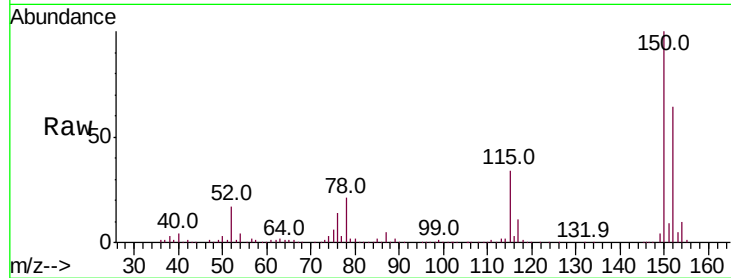




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.08 min Scan# 1792  
 Delta R.T. -0.00 min  
 Lab File: VX011072.D  
 Acq: 25 Jul 2019 12:56

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BP-VPB203-EB-20190723

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 54.6  | 39.7  | 119.1 |
| 150     | 155.3 | 0.0   | 345.6 |



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

