

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032119\  
 Data File : VX008298.D  
 Acq On : 21 Mar 2019 18:17  
 Operator : JC/SP  
 Sample : K1985-02  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BP-EB03-20190317

Quant Time: Mar 22 09:50:21 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

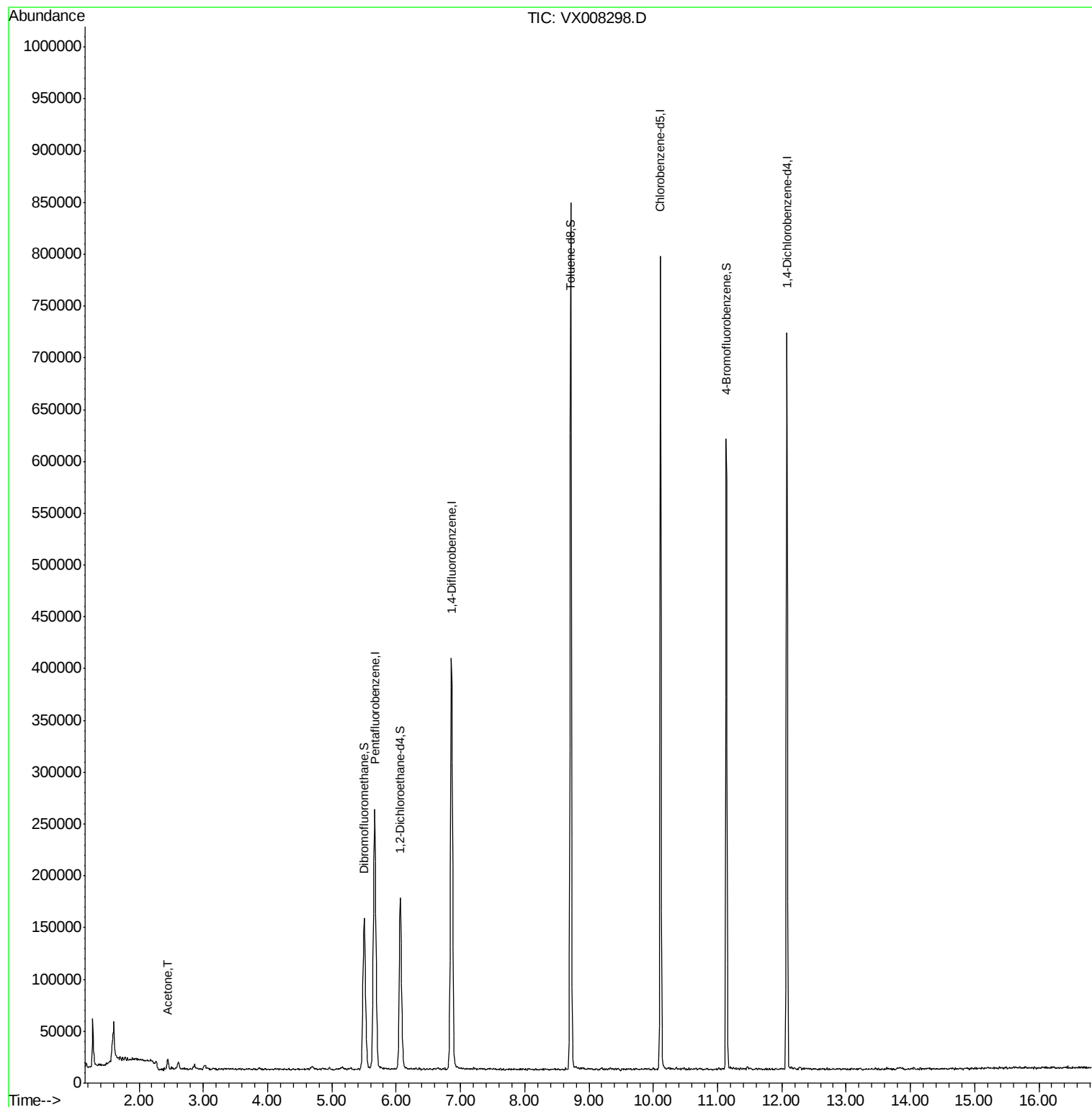
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|--------|-----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 238369   | 50.00 | ug/l   | 0.00      |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 387665   | 50.00 | ug/l   | 0.00      |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 338958   | 50.00 | ug/l   | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 138253   | 50.00 | ug/l   | 0.00      |
| System Monitoring Compounds |       |      |          |       |        |           |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 159468   | 44.42 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 88.84% |           |
| 35) Dibromofluoromethane    | 5.50  | 113  | 120561   | 46.46 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 92.92% |           |
| 50) Toluene-d8              | 8.71  | 98   | 480207   | 48.81 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.62% |           |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 153967   | 45.45 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 90.90% |           |
| Target Compounds            |       |      |          |       |        |           |
| 16) Acetone                 | 2.45  | 43   | 10691    | 5.251 | ug/l   | Qvalue 90 |

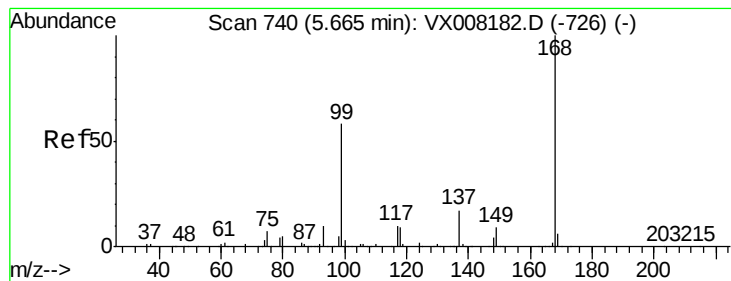
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX008298.D

Acq: 21 Mar 2019 18:17

Instrument :

MSVOA\_X

ClientSampleId :

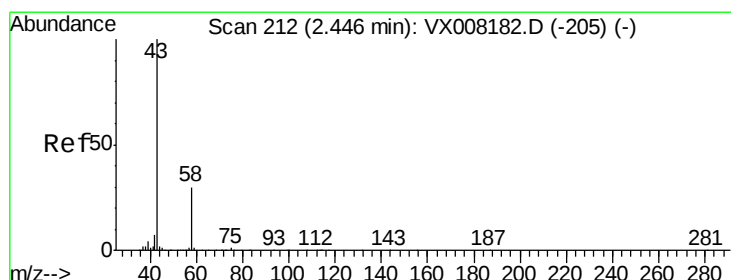
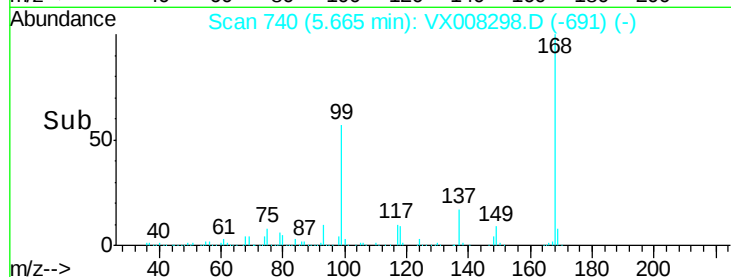
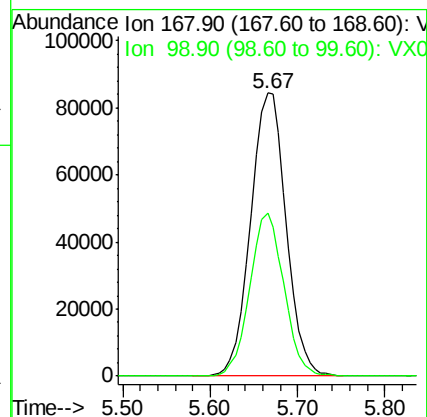
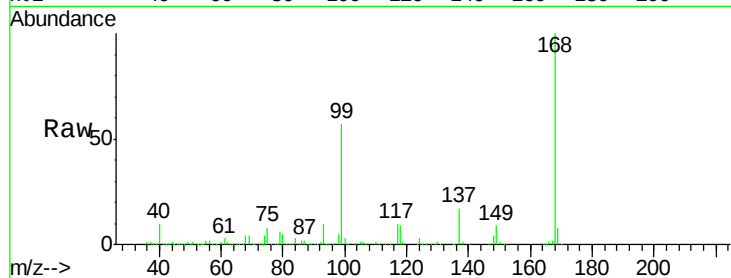
BP-EB03-20190317

Tot Ion:168 Resp: 238369

Ion Ratio Lower Upper

168 100

99 57.3 37.6 56.4#



#16

Acetone

Concen: 5.251 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX008298.D

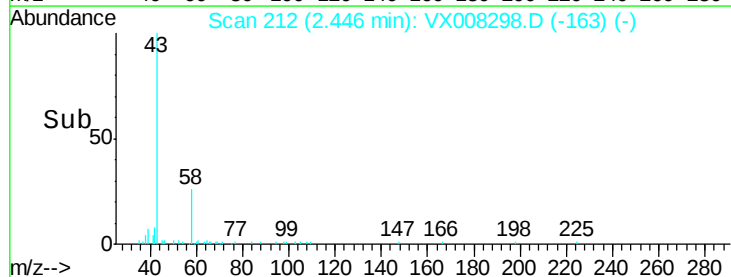
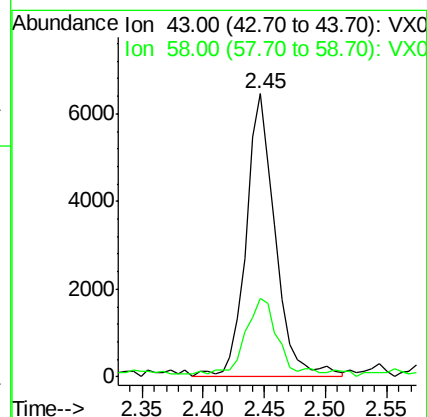
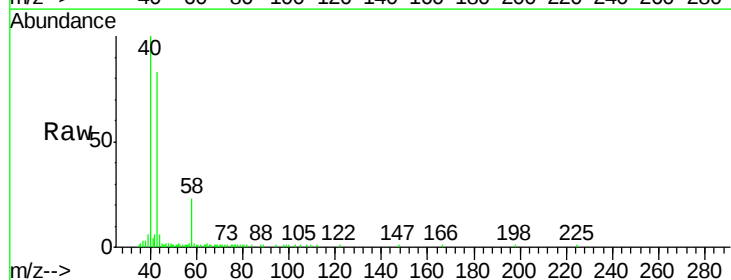
Acq: 21 Mar 2019 18:17

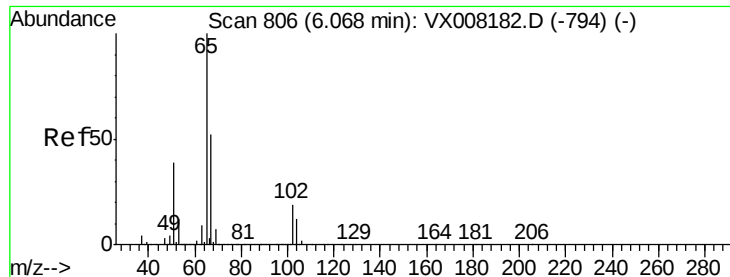
Tgt Ion: 43 Resp: 10691

Ion Ratio Lower Upper

43 100

58 26.5 25.5 38.3





#33

1,2-Dichloroethane-d4

Concen: 44.419 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX008298.D

Acq: 21 Mar 2019 18:17

Instrument :

MSVOA\_X

ClientSampleId :

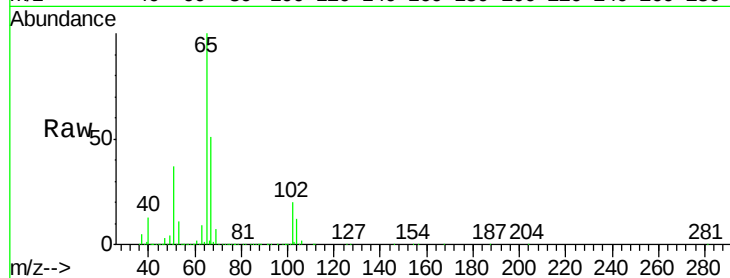
BP-EB03-20190317

Tot Ion: 65 Resp: 159468

Ion Ratio Lower Upper

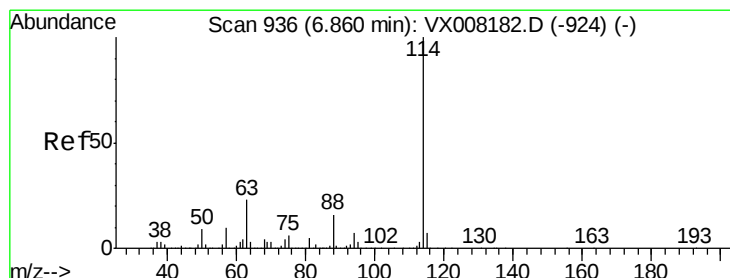
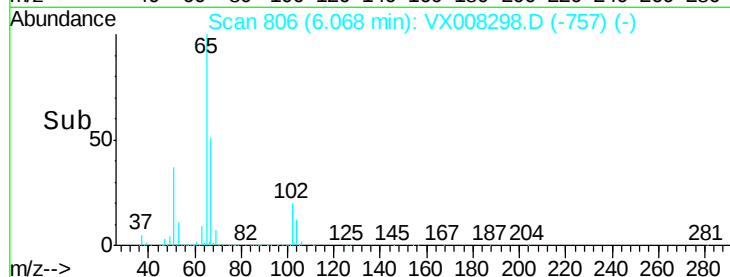
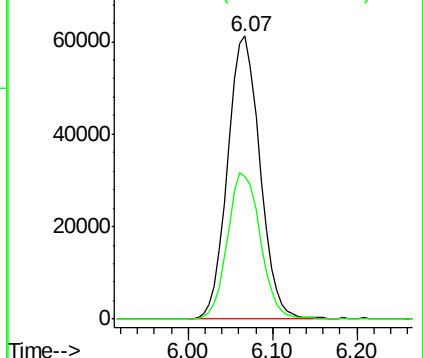
65 100

67 52.8 0.0 110.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX008298.D

Acq: 21 Mar 2019 18:17

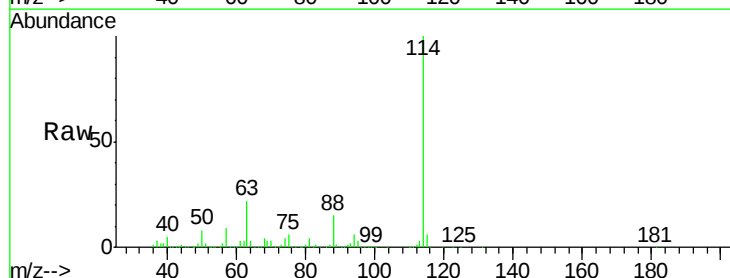
Tgt Ion: 114 Resp: 387665

Ion Ratio Lower Upper

114 100

63 21.6 0.0 39.8

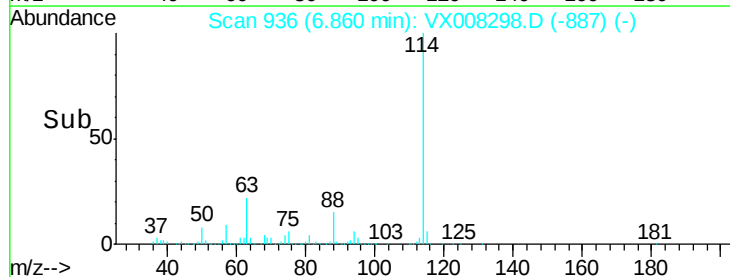
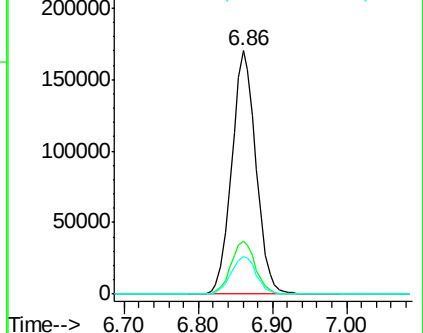
88 15.3 0.0 31.4

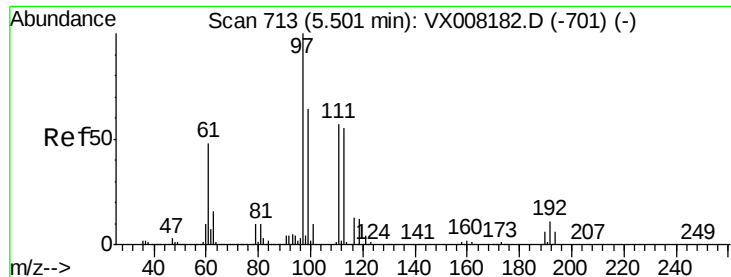


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

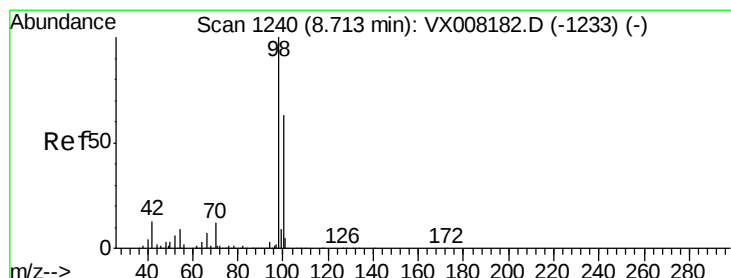
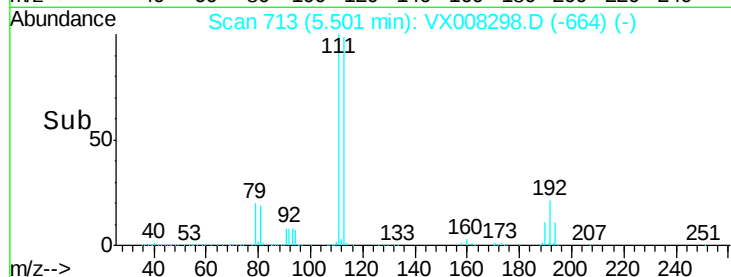
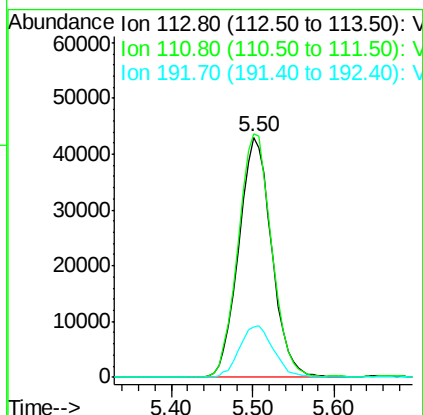
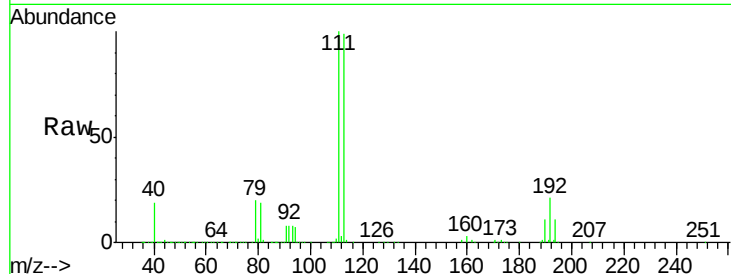




#35  
 Dibromofluoromethane  
 Concen: 46.456 ug/l  
 RT: 5.50 min Scan# 713  
 Delta R.T. 0.00 min  
 Lab File: VX008298.D  
 Acq: 21 Mar 2019 18:17

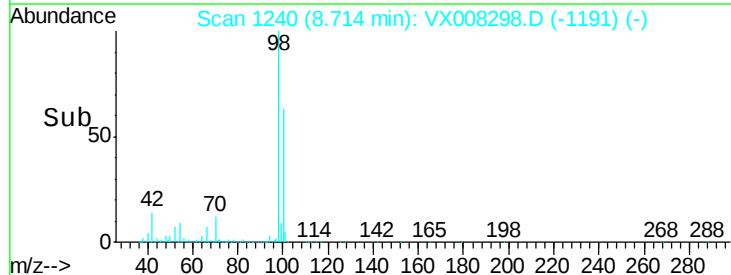
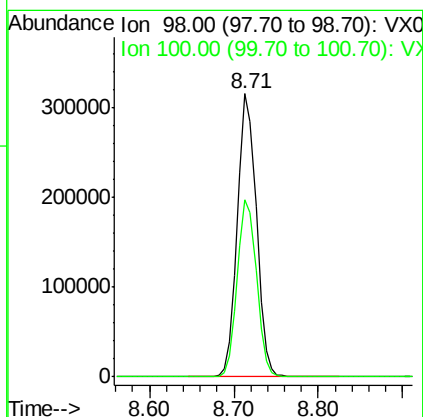
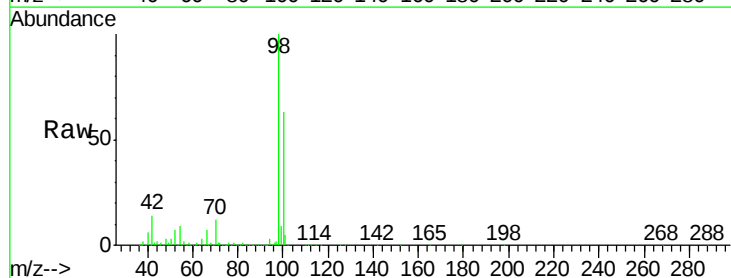
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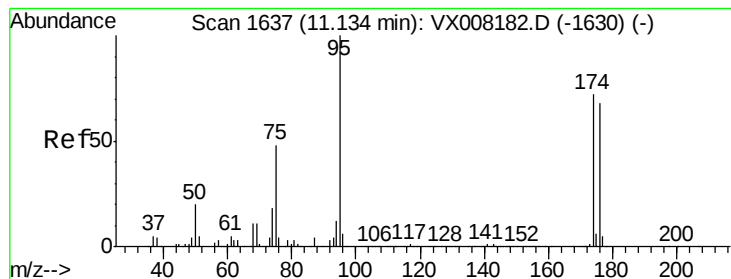
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.3 | 81.4  | 122.0 |
| 192     | 22.1  | 19.4  | 29.0  |



#50  
 Toluene-d8  
 Concen: 48.806 ug/l  
 RT: 8.71 min Scan# 1240  
 Delta R.T. 0.00 min  
 Lab File: VX008298.D  
 Acq: 21 Mar 2019 18:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 63.2  | 51.7  | 77.5  |





#62

4-Bromofluorobenzene

Concen: 45.447 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008298.D

Acq: 21 Mar 2019 18:17

Instrument :

MSVOA\_X

ClientSampleId :

BP-EB03-20190317

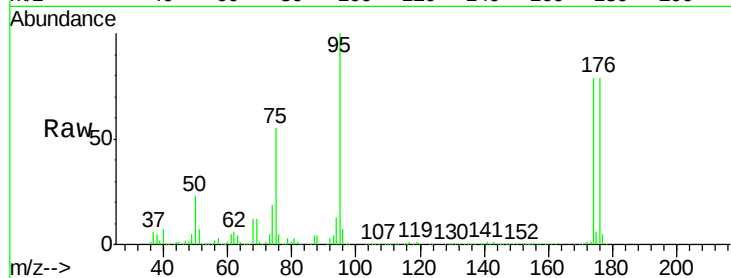
Tot Ion: 95 Resp: 153967

Ion Ratio Lower Upper

95 100

174 82.7 0.0 182.8

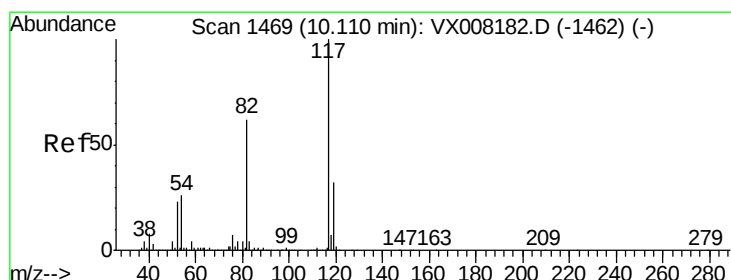
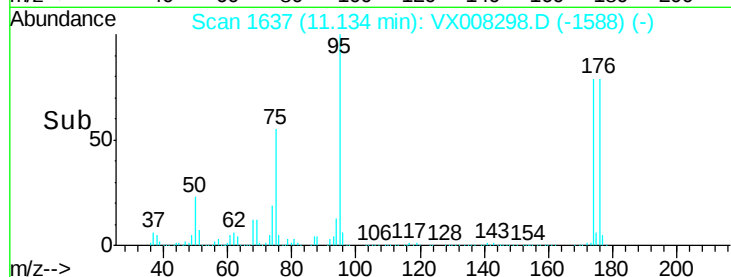
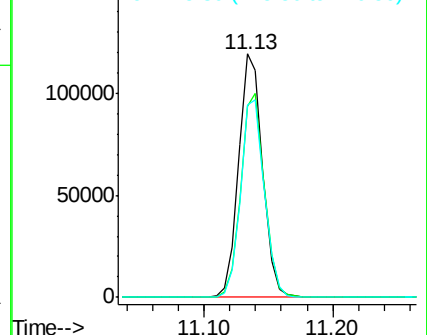
176 80.8 0.0 178.0



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: VX008298.D

Acq: 21 Mar 2019 18:17

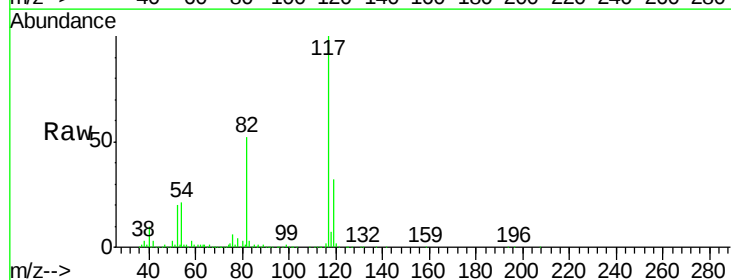
Tgt Ion: 117 Resp: 338958

Ion Ratio Lower Upper

117 100

82 51.9 44.3 66.5

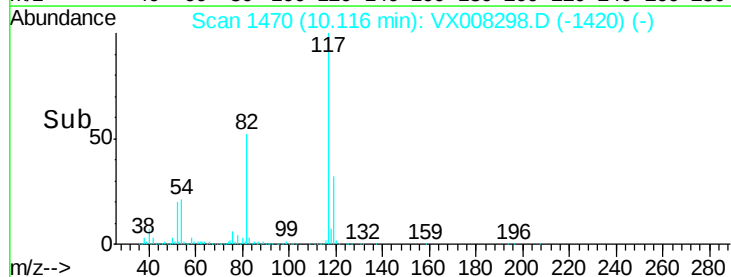
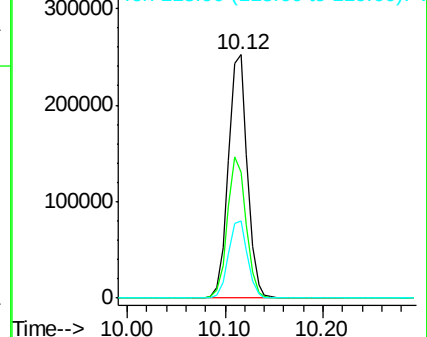
119 31.9 25.3 37.9

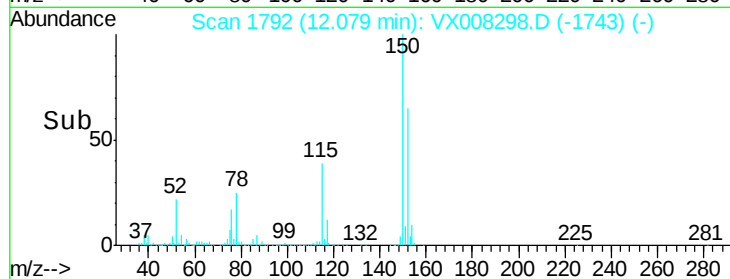
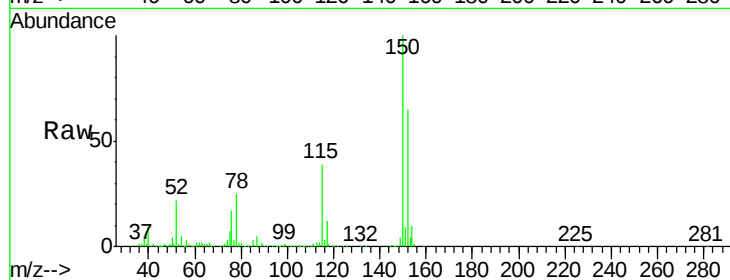
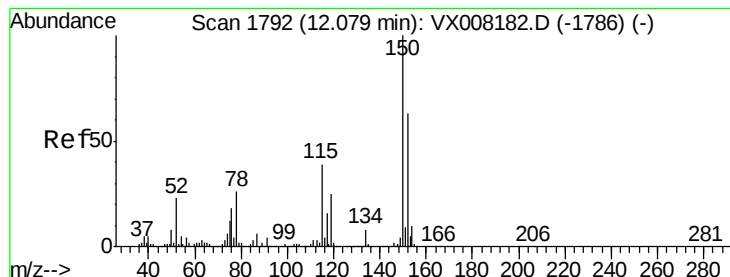


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): 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: VX008298.D

Acq: 21 Mar 2019 18:17

Instrument :

MSVOA\_X

ClientSampleId :

BP-EB03-20190317

Tot Ion:152 Resp: 138253

Ion Ratio Lower Upper

152 100

115 59.6 38.6 115.7

150 156.0 0.0 348.4

