

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032419\  
 Data File : VX008385.D  
 Acq On : 24 Mar 2019 12:36  
 Operator : JC/SP  
 Sample : K2059-07  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FB032019

Quant Time: Mar 25 06:44:50 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X032319W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Mar 23 15:27:34 2019  
 Response via : Initial Calibration

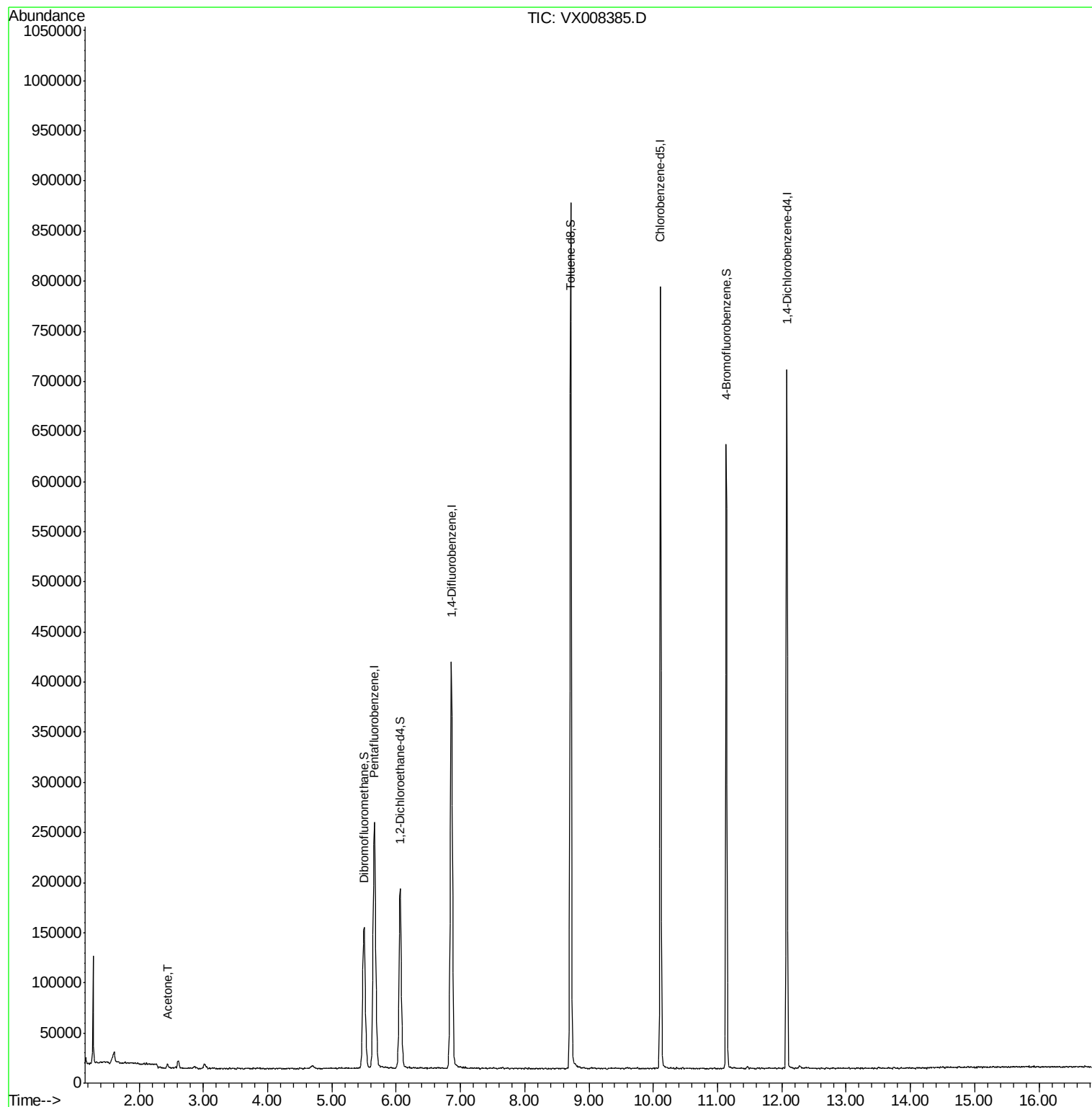
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|--------|-----------|
| 1) Pentafluorobenzene       | 5.66  | 168  | 224569   | 50.00 | ug/l   | 0.00      |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 392289   | 50.00 | ug/l   | 0.00      |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 337191   | 50.00 | ug/l   | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 138633   | 50.00 | ug/l   | 0.00      |
| System Monitoring Compounds |       |      |          |       |        |           |
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 168463   | 49.18 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.36% |           |
| 35) Dibromofluoromethane    | 5.50  | 113  | 124338   | 48.92 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.84% |           |
| 50) Toluene-d8              | 8.71  | 98   | 493962   | 49.14 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.28% |           |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 164687   | 44.62 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 89.24% |           |
| Target Compounds            |       |      |          |       |        |           |
| 16) Acetone                 | 2.44  | 43   | 4213     | 2.461 | ug/l   | Qvalue 99 |

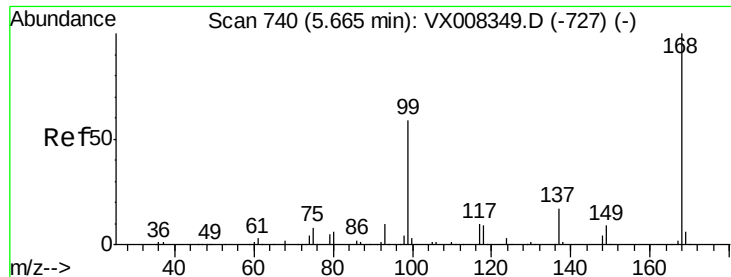
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX032419\  
Data File : VX008385.D  
Acq On : 24 Mar 2019 12:36  
Operator : JC/SP  
Sample : K2059-07  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FB032019

Quant Time: Mar 25 06:44:50 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X032319W.M  
Quant Title : SW846 8260  
QLast Update : Sat Mar 23 15:27:34 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: VX008385.D

Acq: 24 Mar 2019 12:36

Instrument :

MSVOA\_X

ClientSampleId :

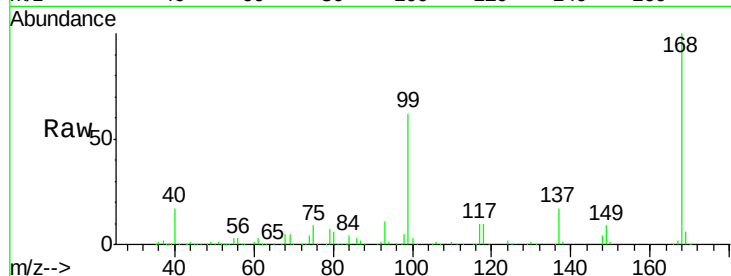
FB032019

Tot Ion:168 Resp: 224569

Ion Ratio Lower Upper

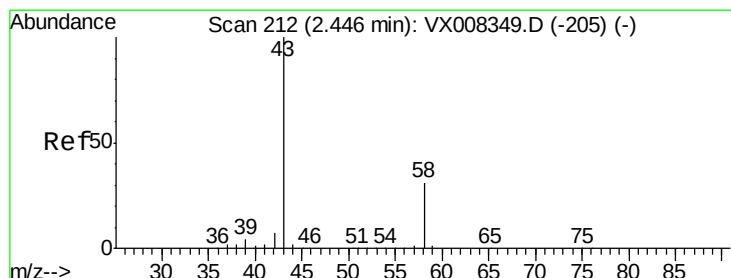
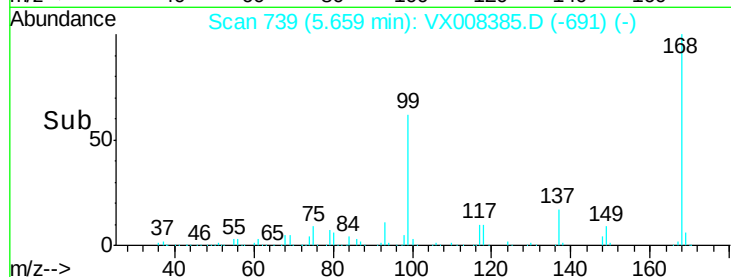
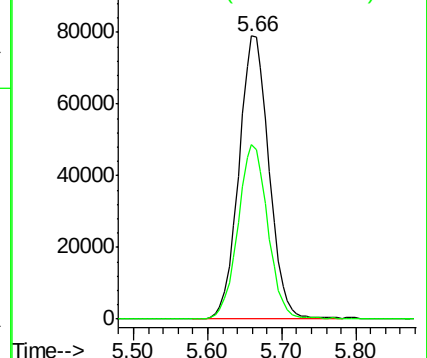
168 100

99 61.6 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: 2.461 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008385.D

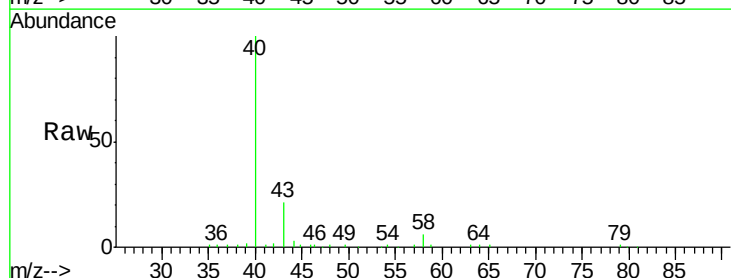
Acq: 24 Mar 2019 12:36

Tgt Ion: 43 Resp: 4213

Ion Ratio Lower Upper

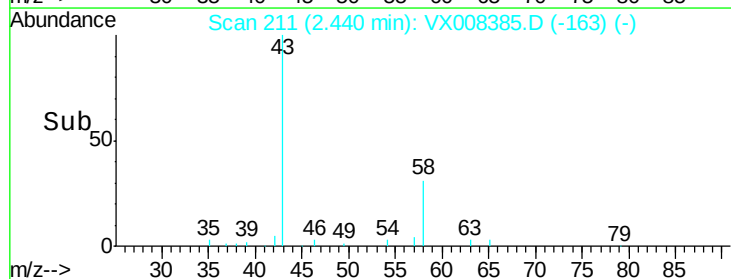
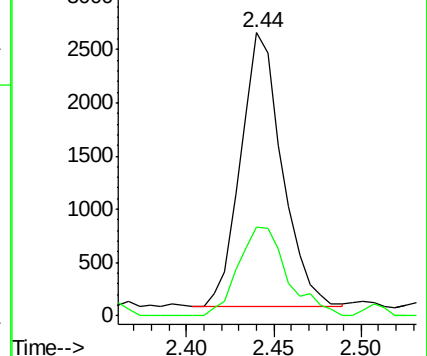
43 100

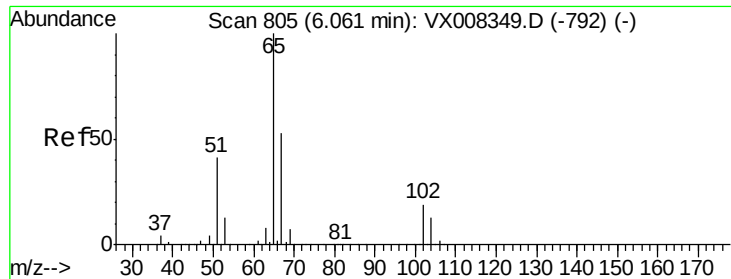
58 32.3 25.5 38.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

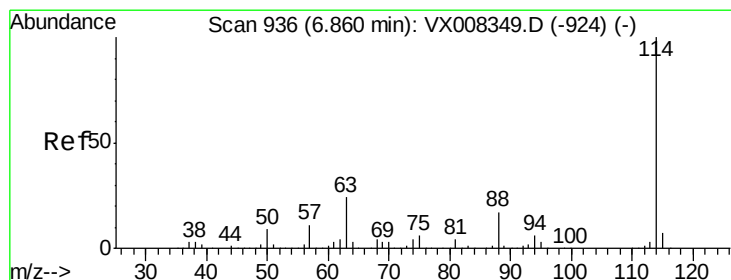
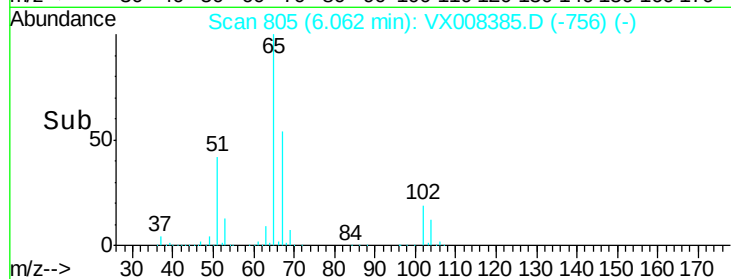
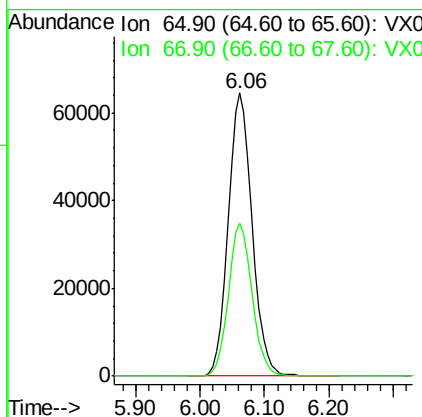
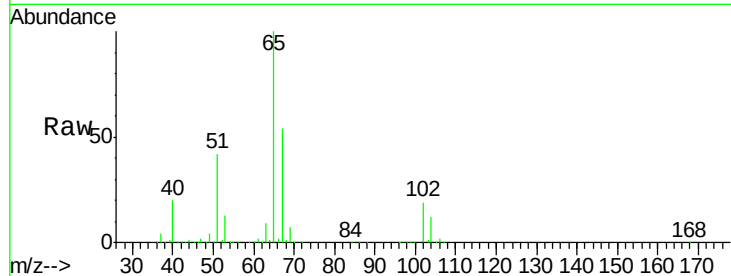




#33  
 1,2-Dichloroethane-d4  
 Concen: 49.184 ug/l  
 RT: 6.06 min Scan# 805  
 Delta R.T. 0.00 min  
 Lab File: VX008385.D  
 Acq: 24 Mar 2019 12:36

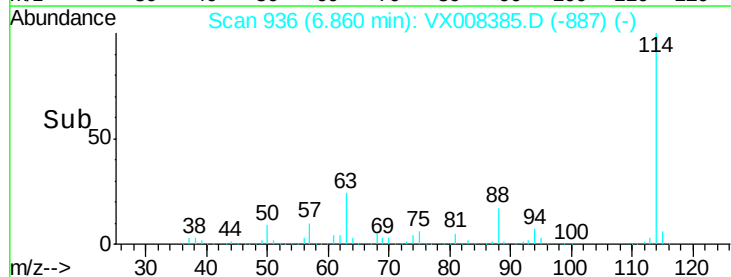
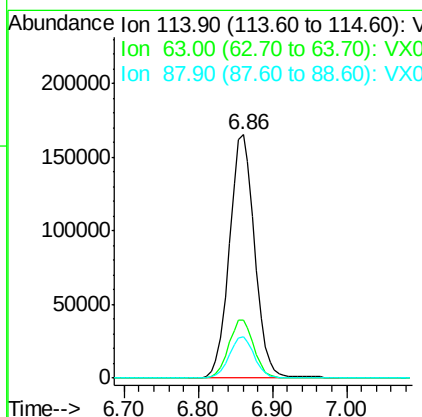
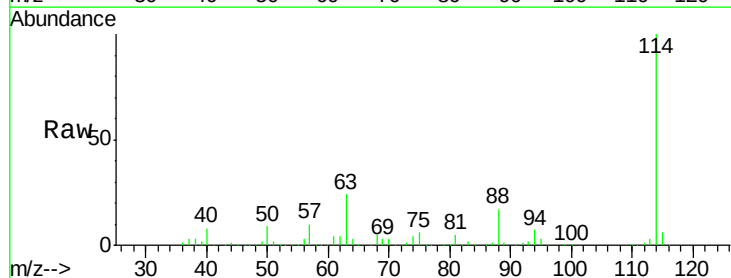
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FB032019

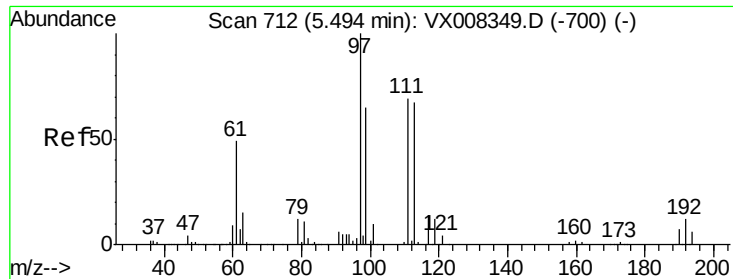
Tot Ion: 65 Resp: 168463  
 Ion Ratio Lower Upper  
 65 100  
 67 53.6 0.0 110.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. 0.00 min  
 Lab File: VX008385.D  
 Acq: 24 Mar 2019 12:36

Tgt Ion: 114 Resp: 392289  
 Ion Ratio Lower Upper  
 114 100  
 63 24.0 0.0 39.8  
 88 17.1 0.0 31.4

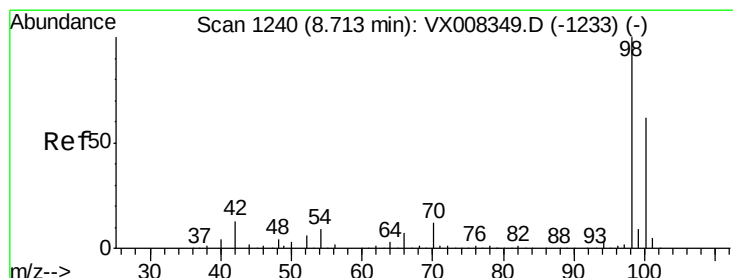
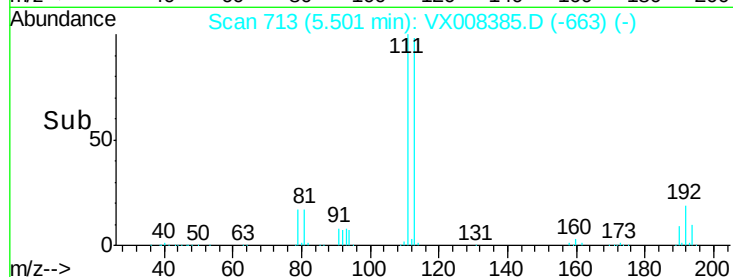
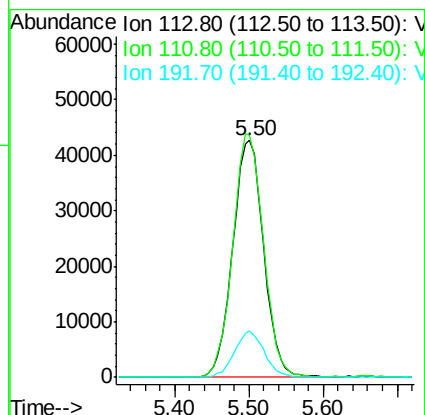
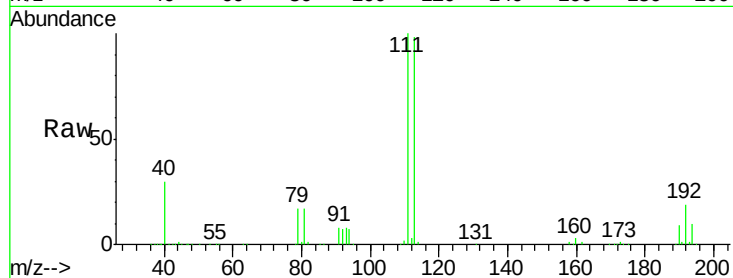




#35  
 Dibromofluoromethane  
 Concen: 48.921 ug/l  
 RT: 5.50 min Scan# 713  
 Delta R.T. 0.01 min  
 Lab File: VX008385.D  
 Acq: 24 Mar 2019 12:36

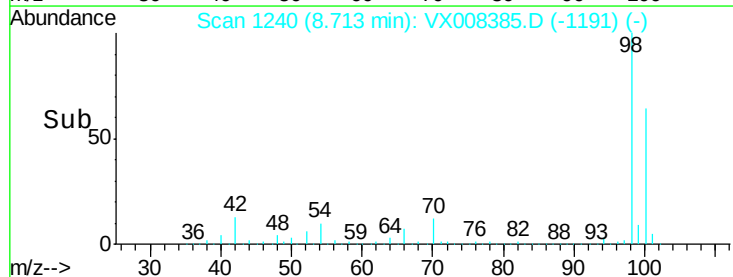
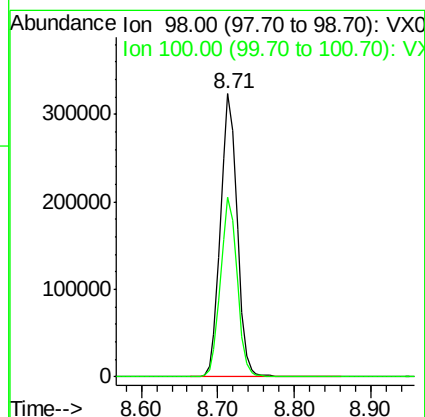
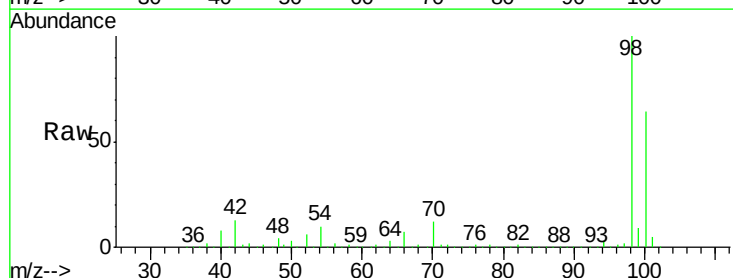
Instrument :  
 MSVOA\_X  
 ClientSampled :  
 FB032019

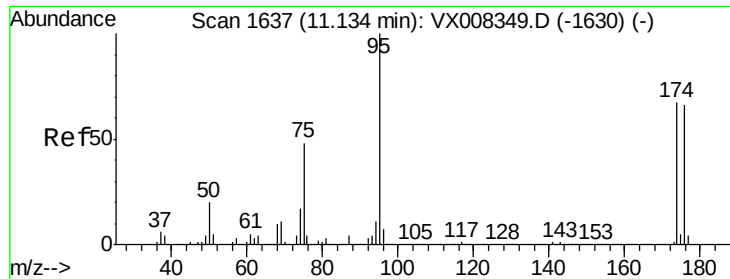
Tot Ion:113 Resp: 124338  
 Ion Ratio Lower Upper  
 113 100  
 111 101.9 81.4 122.0  
 192 18.9 19.4 29.0#



#50  
 Toluene-d8  
 Concen: 49.137 ug/l  
 RT: 8.71 min Scan# 1240  
 Delta R.T. 0.00 min  
 Lab File: VX008385.D  
 Acq: 24 Mar 2019 12:36

Tgt Ion: 98 Resp: 493962  
 Ion Ratio Lower Upper  
 98 100  
 100 63.4 51.7 77.5

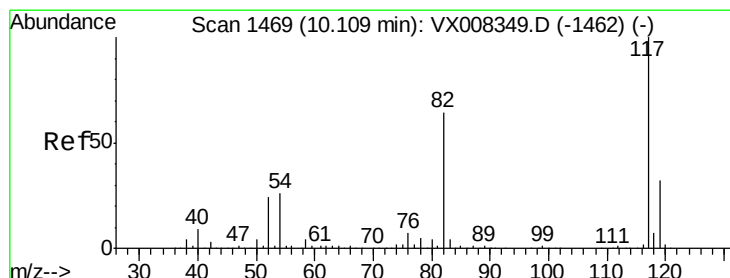
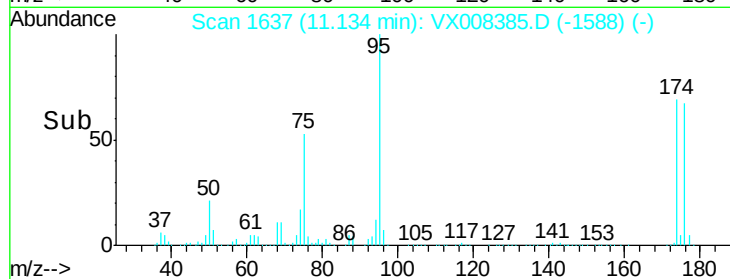
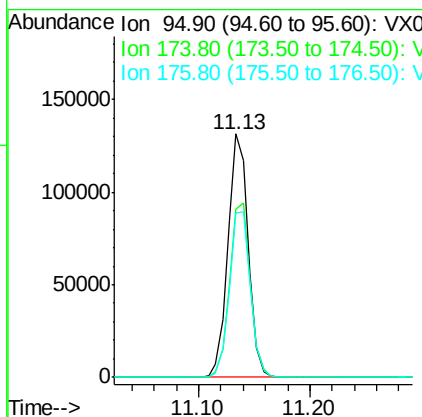
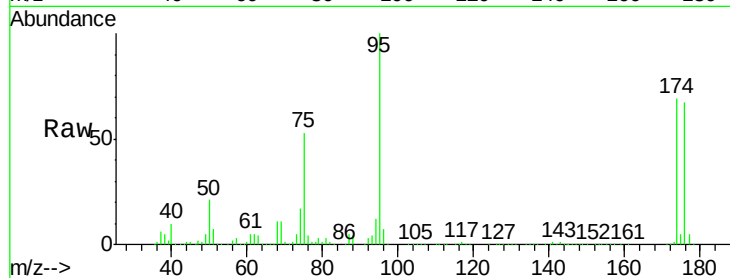




#62  
4-Bromofluorobenzene  
Concen: 44.618 ug/l  
RT: 11.13 min Scan# 1637  
Delta R.T. 0.00 min  
Lab File: VX008385.D  
Acq: 24 Mar 2019 12:36

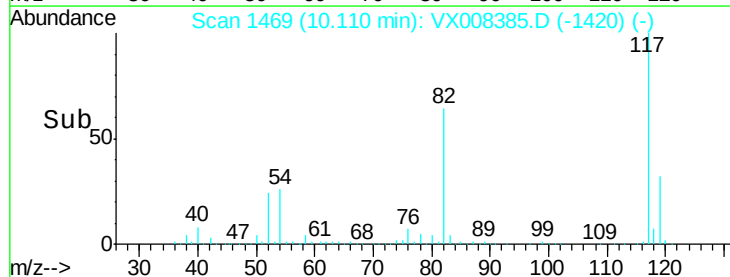
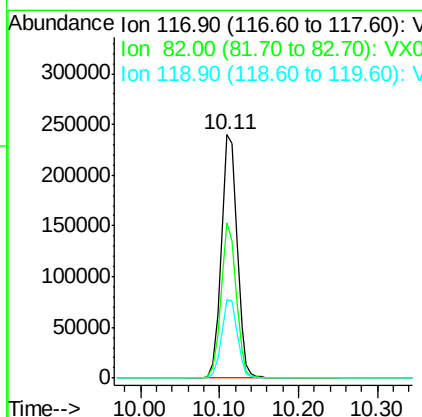
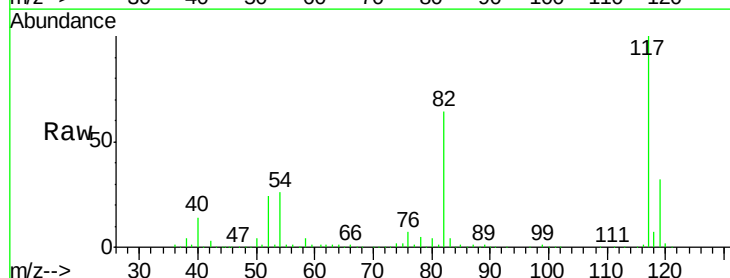
Instrument :  
MSVOA\_X  
ClientSampleId :  
FB032019

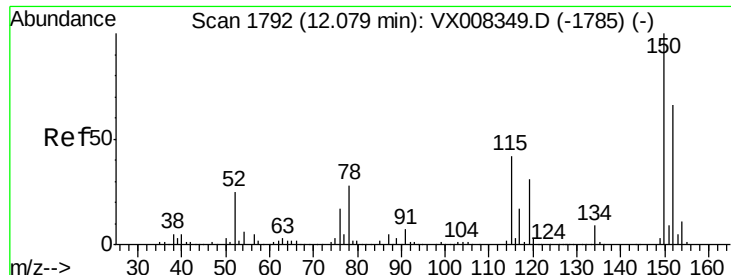
Tot Ion: 95 Resp: 164687  
Ion Ratio Lower Upper  
95 100  
174 73.3 0.0 182.8  
176 70.9 0.0 178.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. 0.00 min  
Lab File: VX008385.D  
Acq: 24 Mar 2019 12:36

Tgt Ion: 117 Resp: 337191  
Ion Ratio Lower Upper  
117 100  
82 63.6 44.3 66.5  
119 32.1 25.3 37.9

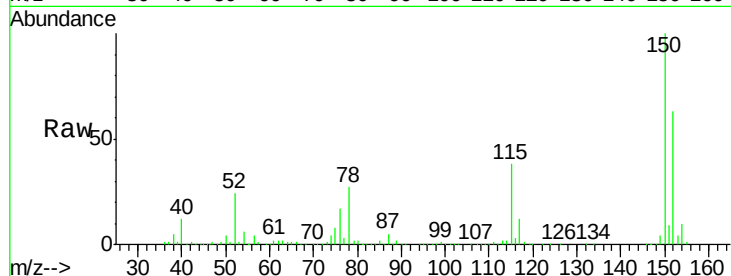




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.08 min Scan# 1792  
 Delta R.T. 0.00 min  
 Lab File: VX008385.D  
 Acq: 24 Mar 2019 12:36

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FB032019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 62.1  | 38.6  | 115.7 |
| 150     | 157.7 | 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

