

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060319\  
 Data File : VX010043.D  
 Acq On : 03 Jun 2019 17:58  
 Operator : JC/SP  
 Sample : K3135-02  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ROLL-OFF-COMP

Quant Time: Jun 04 05:03:28 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X052819W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 29 04:00:56 2019  
 Response via : Initial Calibration

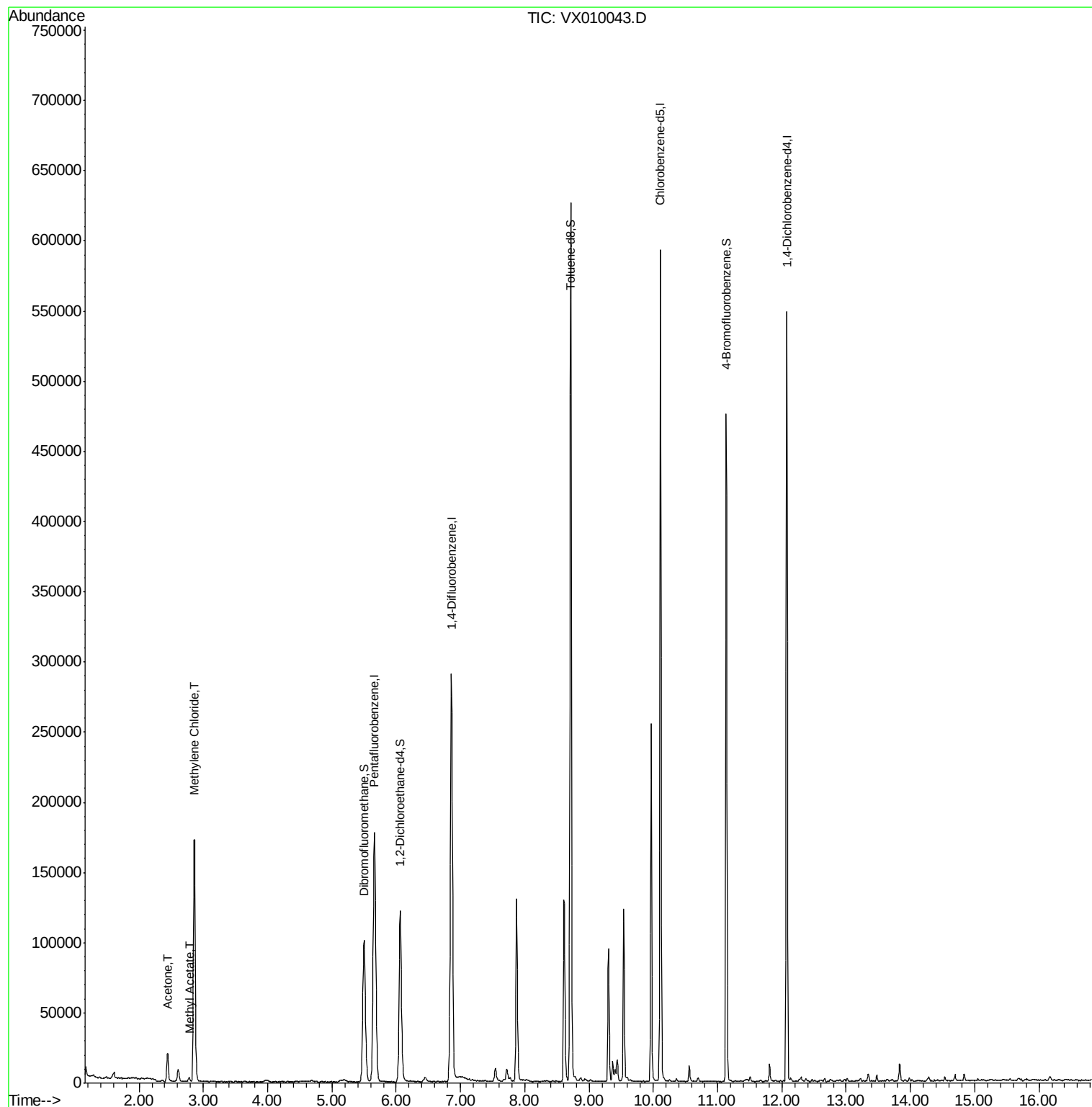
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 176746   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 279180   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 257527   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 114421   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 115243   | 46.16  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 92.32%  |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 86690    | 49.39  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.78%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 359388   | 50.42  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.84% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 122192   | 47.73  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 95.46%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 2.44  | 43   | 22795    | 15.802 | ug/l    | 99       |
| 18) Methyl Acetate          | 2.78  | 43   | 3910     | 1.165  | ug/l    | 94       |
| 20) Methylene Chloride      | 2.86  | 84   | 79170    | 35.839 | ug/l    | 96       |

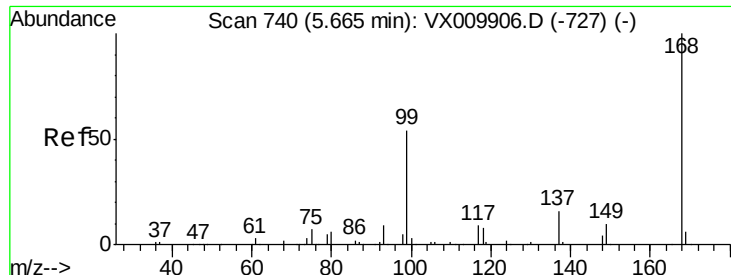
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX010043.D

Acq: 03 Jun 2019 17:58

Instrument :

MSVOA\_X

ClientSampleId :

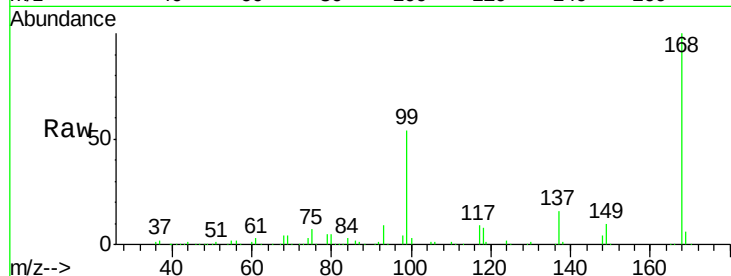
ROLL-OFF-COMP

Tot Ion:168 Resp: 176746

Ion Ratio Lower Upper

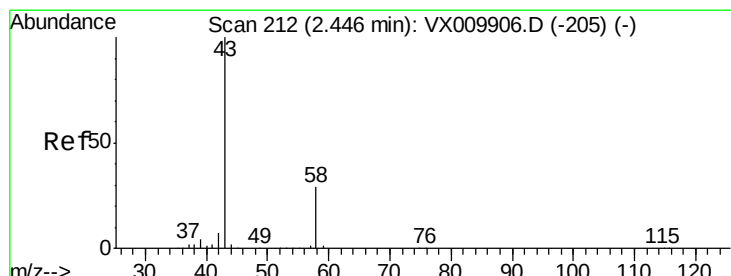
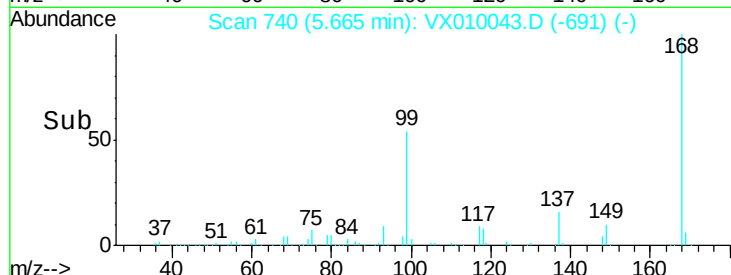
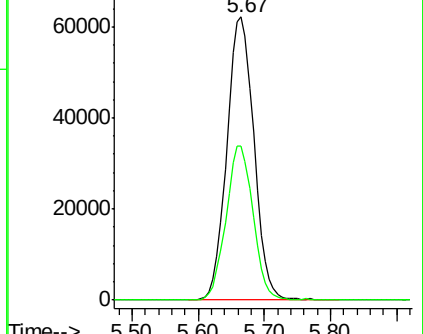
168 100

99 54.2 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 15.802 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010043.D

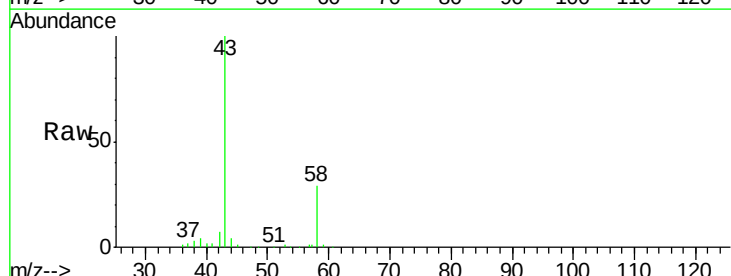
Acq: 03 Jun 2019 17:58

Tgt Ion: 43 Resp: 22795

Ion Ratio Lower Upper

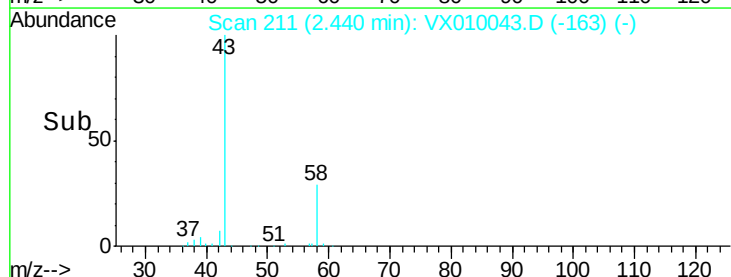
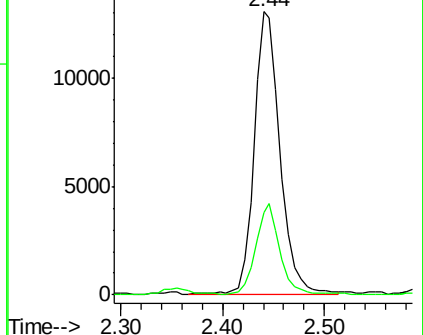
43 100

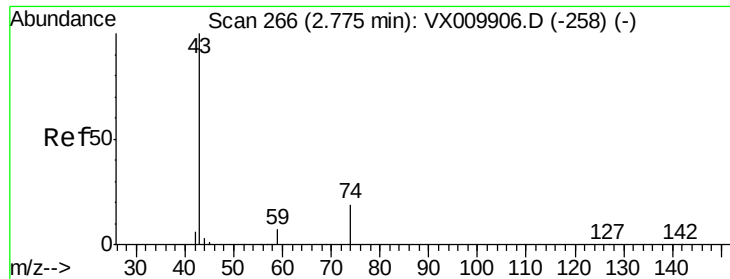
58 28.7 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

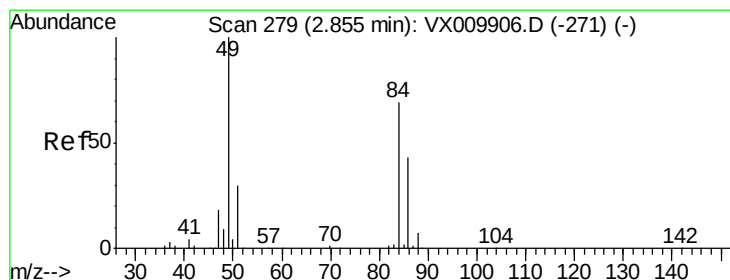
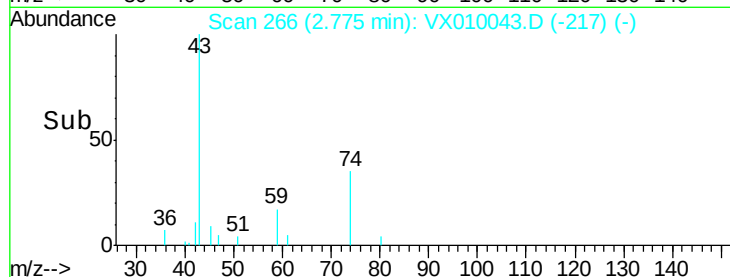
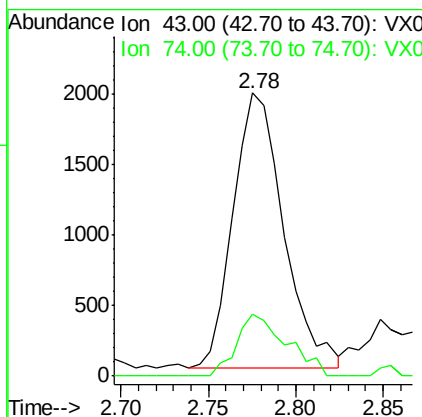
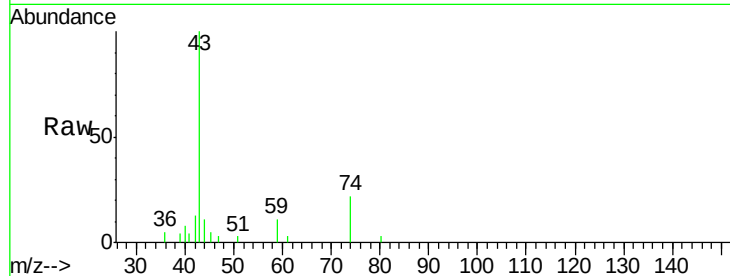




#18  
Methvl Acetate  
Concen: 1.165 ug/l  
RT: 2.78 min Scan# 266  
Delta R.T. -0.00 min  
Lab File: VX010043.D  
Acq: 03 Jun 2019 17:58

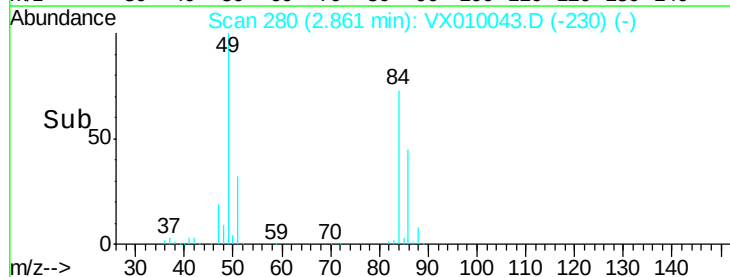
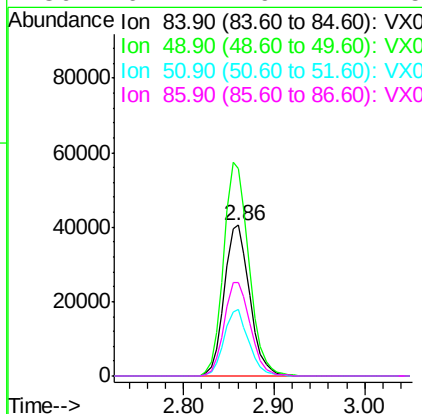
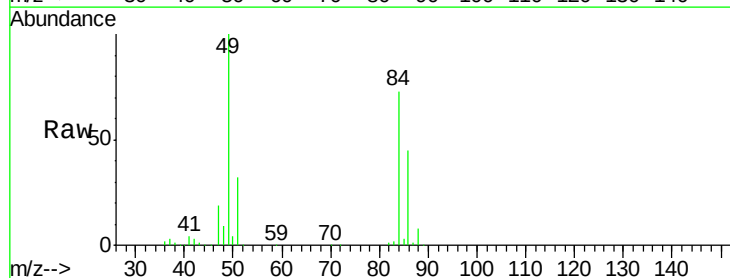
Instrument :  
MSVOA\_X  
ClientSampleId :  
ROLL-OFF-COMP

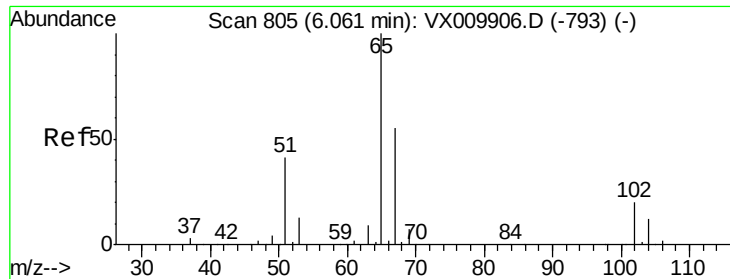
Tot Ion: 43 Resp: 3910  
Ion Ratio Lower Upper  
43 100  
74 22.4 15.8 23.6



#20  
Methylene Chloride  
Concen: 35.839 ug/l  
RT: 2.86 min Scan# 280  
Delta R.T. 0.01 min  
Lab File: VX010043.D  
Acq: 03 Jun 2019 17:58

Tgt Ion: 84 Resp: 79170  
Ion Ratio Lower Upper  
84 100  
49 137.4 115.8 173.6  
51 44.0 34.4 51.6  
86 62.2 49.7 74.5

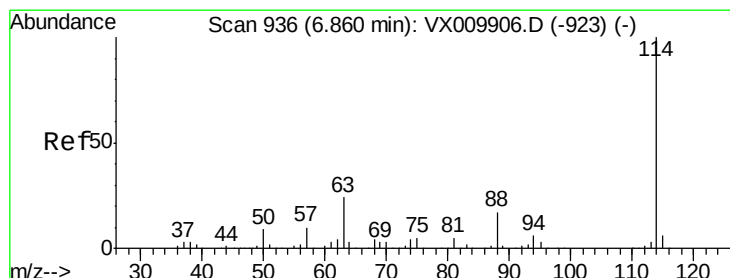
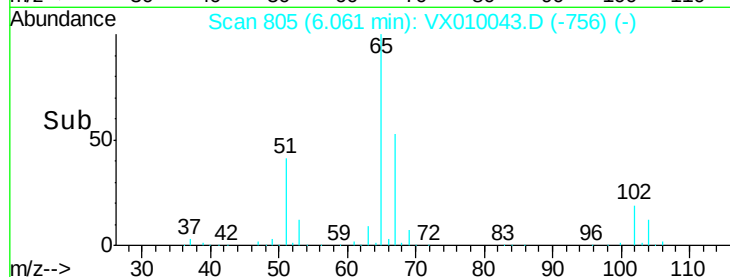
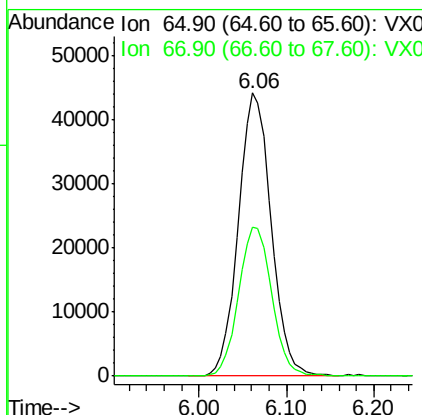
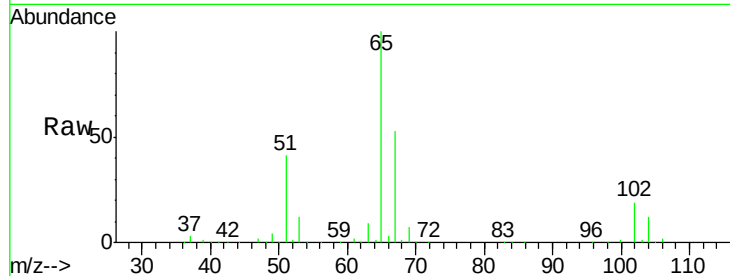




#33  
 1,2-Dichloroethane-d4  
 Concen: 46.158 ug/l  
 RT: 6.06 min Scan# 805  
 Delta R.T. -0.00 min  
 Lab File: VX010043.D  
 Acq: 03 Jun 2019 17:58

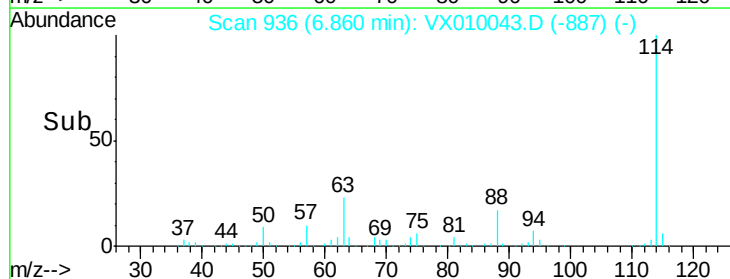
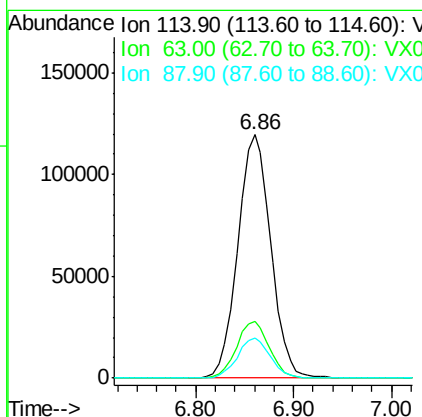
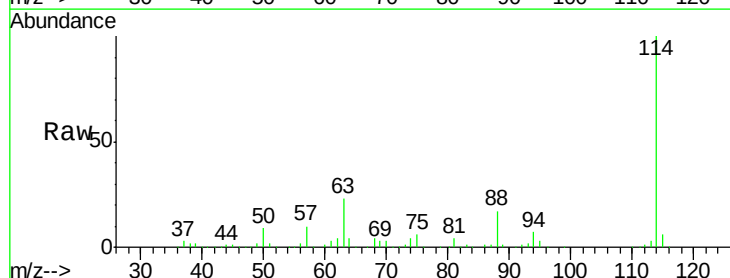
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ROLL-OFF-COMP

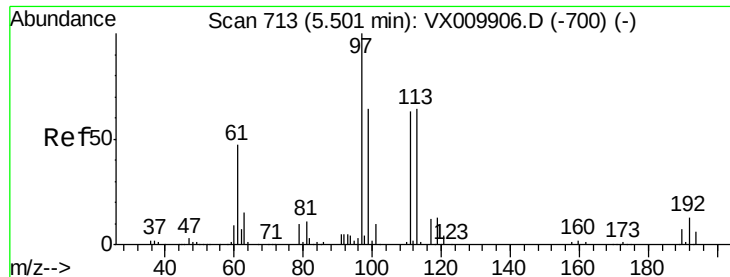
Tot Ion: 65 Resp: 115243  
 Ion Ratio Lower Upper  
 65 100  
 67 53.3 0.0 108.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. -0.00 min  
 Lab File: VX010043.D  
 Acq: 03 Jun 2019 17:58

Tgt Ion: 114 Resp: 279180  
 Ion Ratio Lower Upper  
 114 100  
 63 23.0 0.0 47.4  
 88 16.5 0.0 33.0

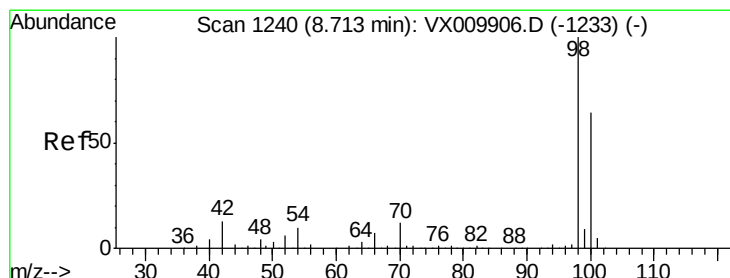
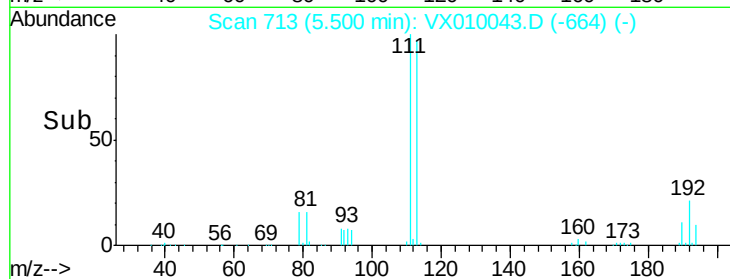
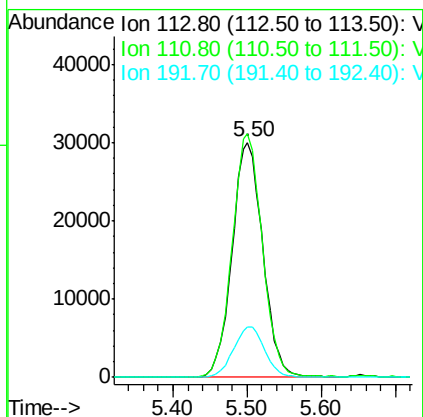
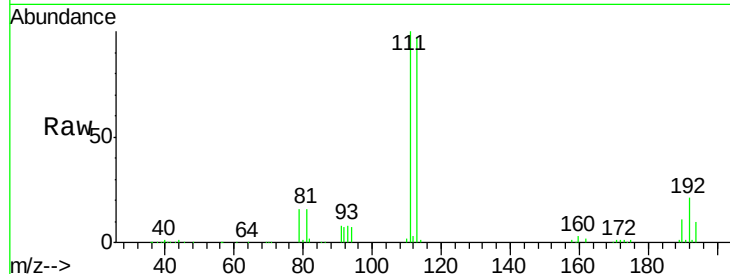




#35  
Dibromofluoromethane  
Concen: 49.390 ug/l  
RT: 5.50 min Scan# 713  
Delta R.T. -0.00 min  
Lab File: VX010043.D  
Acq: 03 Jun 2019 17:58

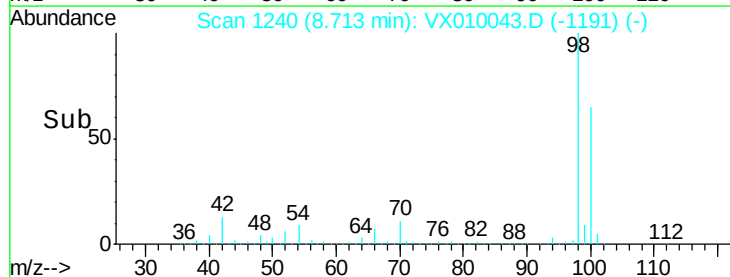
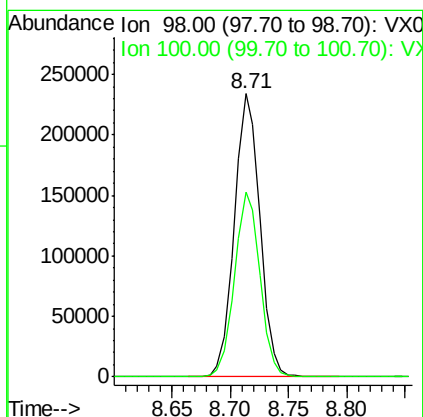
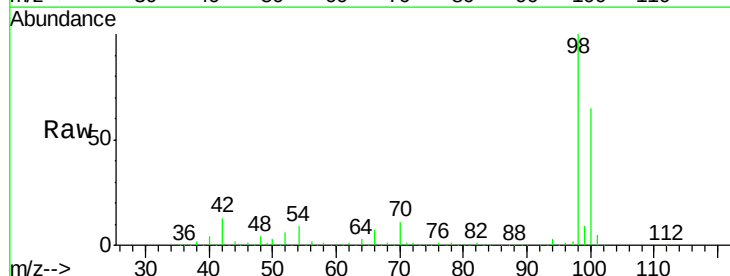
Instrument :  
MSVOA\_X  
ClientSampleId :  
ROLL-OFF-COMP

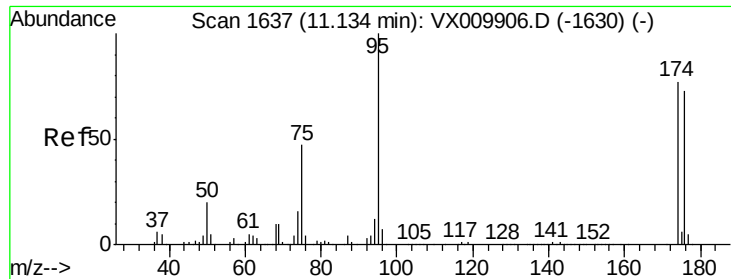
Tot Ion:113 Resp: 86690  
Ion Ratio Lower Upper  
113 100  
111 102.0 82.2 123.2  
192 22.0 17.1 25.7



#50  
Toluene-d8  
Concen: 50.423 ug/l  
RT: 8.71 min Scan# 1240  
Delta R.T. -0.00 min  
Lab File: VX010043.D  
Acq: 03 Jun 2019 17:58

Tgt Ion: 98 Resp: 359388  
Ion Ratio Lower Upper  
98 100  
100 64.6 51.5 77.3





#62

4-Bromofluorobenzene

Concen: 47.730 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX010043.D

Acq: 03 Jun 2019 17:58

Instrument :

MSVOA\_X

ClientSampleId :

ROLL-OFF-COMP

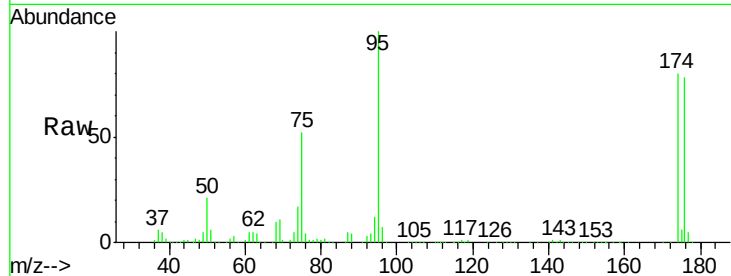
Tot Ion: 95 Resp: 122192

Ion Ratio Lower Upper

95 100

174 83.3 0.0 160.4

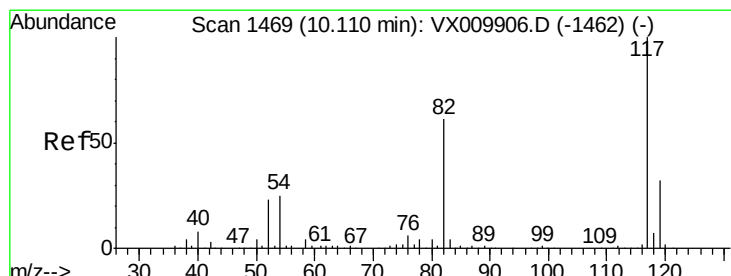
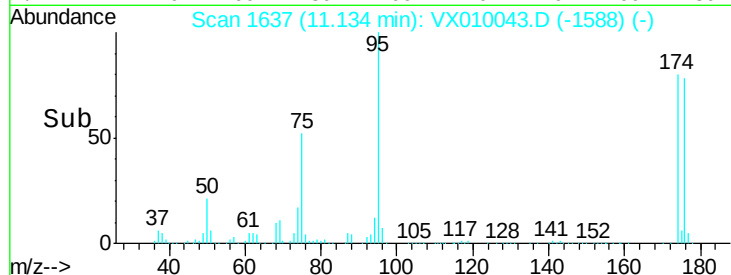
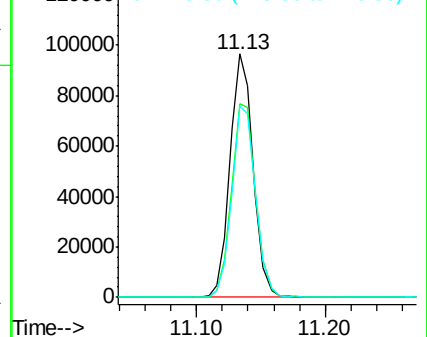
176 80.6 0.0 154.6



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: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX010043.D

Acq: 03 Jun 2019 17:58

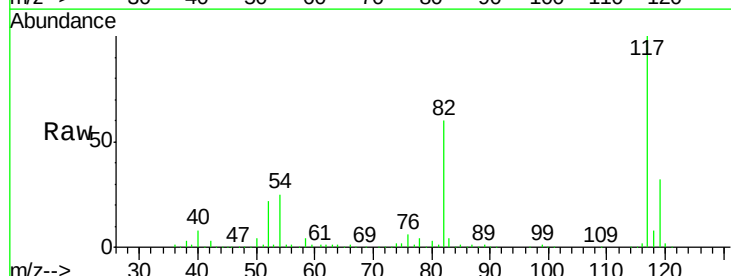
Tgt Ion: 117 Resp: 257527

Ion Ratio Lower Upper

117 100

82 60.1 49.2 73.8

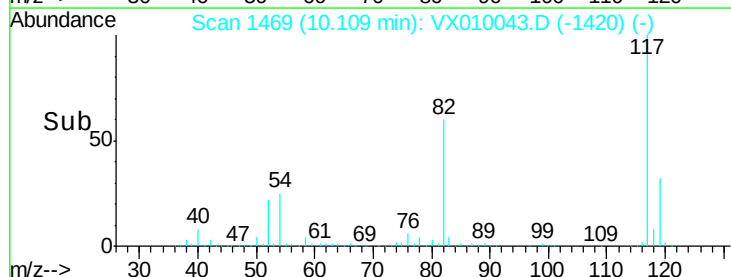
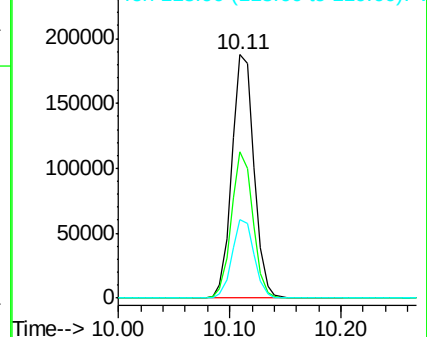
119 32.1 25.2 37.8

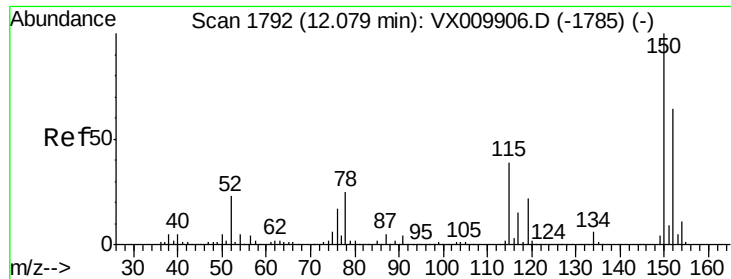


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX010043.D

Acq: 03 Jun 2019 17:58

Instrument :

MSVOA\_X

ClientSampleId :

ROLL-OFF-COMP

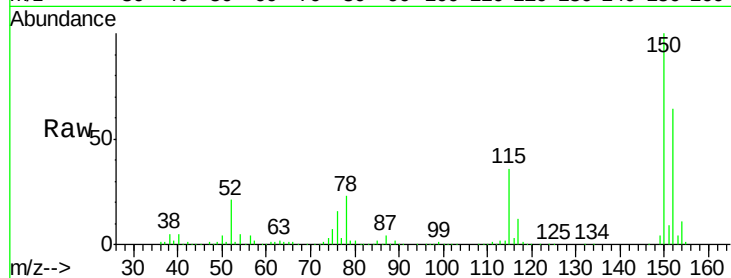
Tot Ion:152 Resp: 114421

Ion Ratio Lower Upper

152 100

115 57.4 41.4 124.2

150 155.9 0.0 345.2



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

