

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032419\  
 Data File : VX008391.D  
 Acq On : 24 Mar 2019 14:55  
 Operator : JC/SP  
 Sample : K1945-09  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 M4-T1-UV(PRE)

Quant Time: Mar 25 07:08:38 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

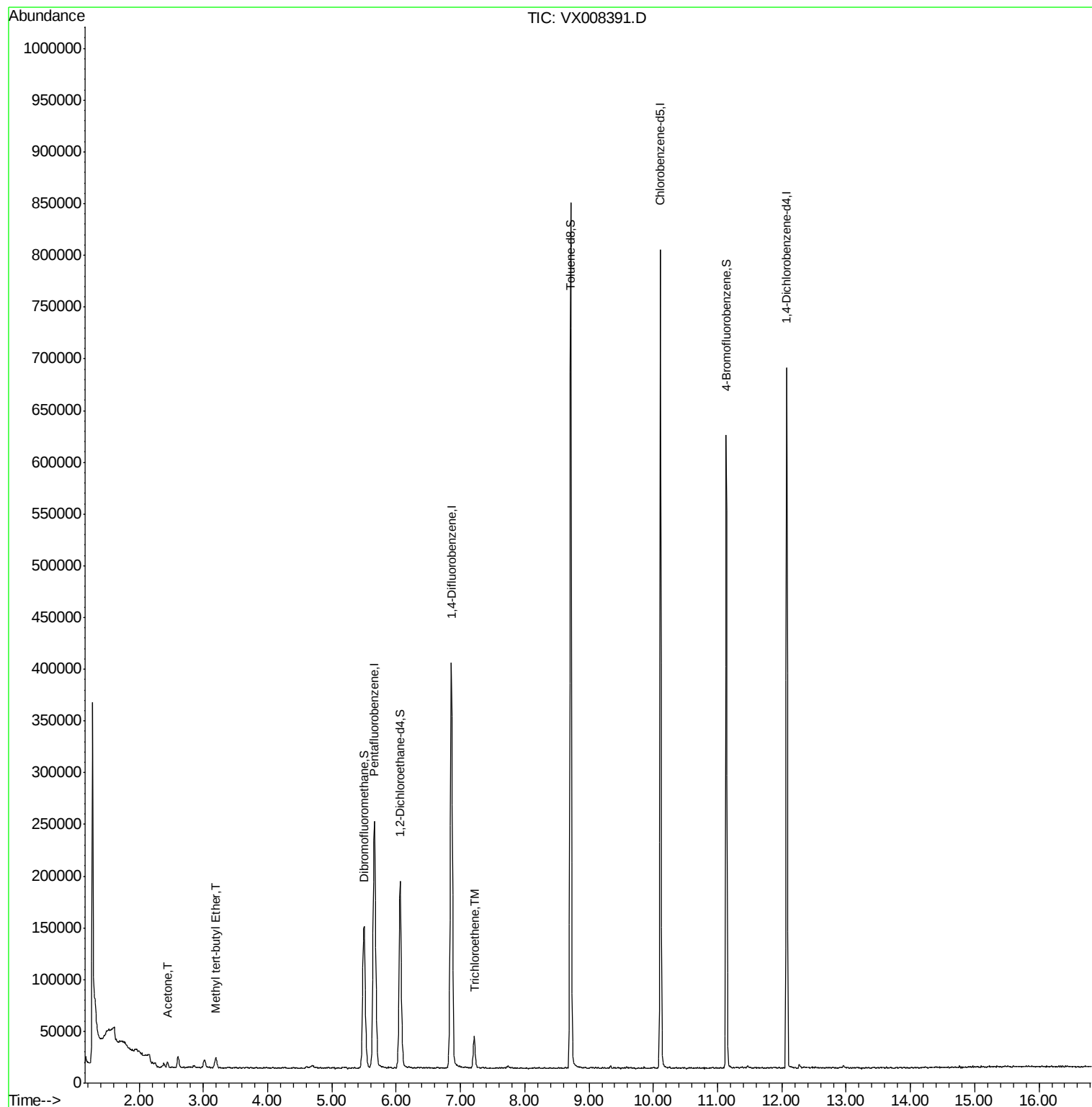
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 222611   | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 387566   | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 330145   | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 135078   | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 164924   | 48.57 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.14% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 120970   | 48.18 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.36% |          |
| 50) Toluene-d8              | 8.71  | 98   | 483516   | 48.68 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.36% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 162993   | 44.70 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 89.40% |          |
| Target Compounds            |       |      |          |       |        |          |
| 16) Acetone                 | 2.44  | 43   | 5609     | 3.305 | ug/l   | 99       |
| 19) Methyl tert-butyl Ether | 3.20  | 73   | 10049    | 1.100 | ug/l   | 94       |
| 44) Trichloroethene         | 7.22  | 130  | 11080    | 3.956 | ug/l   | 93       |

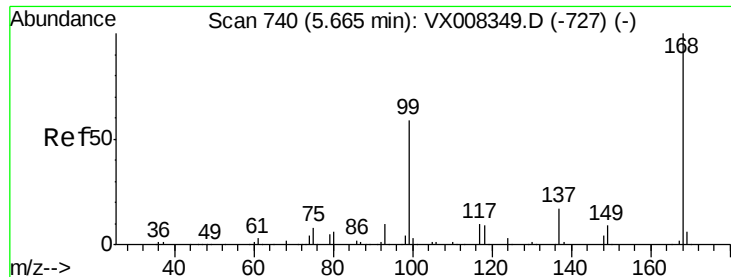
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Mar 23 15:27:34 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: VX008391.D

Acq: 24 Mar 2019 14:55

Instrument :

MSVOA\_X

ClientSampleId :

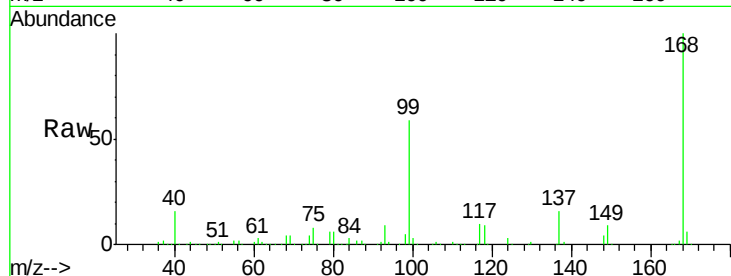
M4-T1-UV(PRE)

Tot Ion:168 Resp: 222611

Ion Ratio Lower Upper

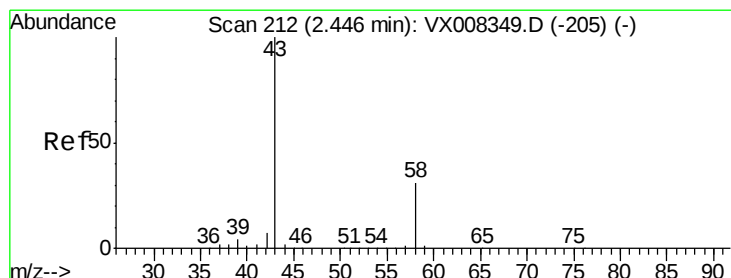
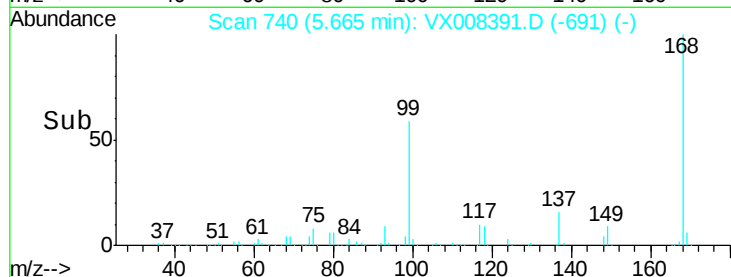
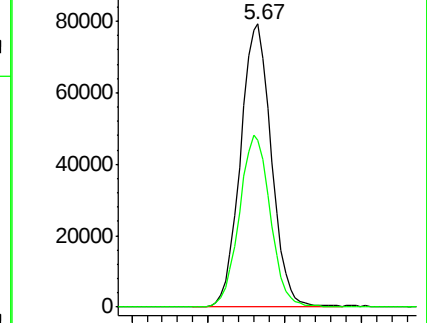
168 100

99 58.9 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: 3.305 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008391.D

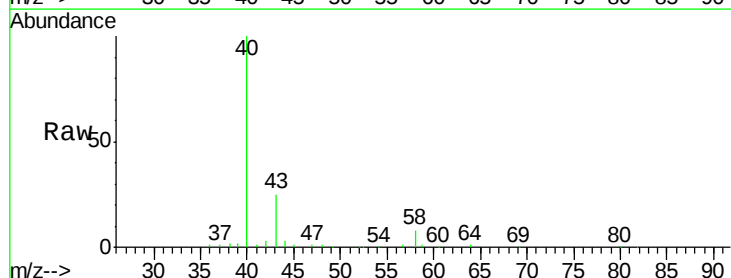
Acq: 24 Mar 2019 14:55

Tgt Ion: 43 Resp: 5609

Ion Ratio Lower Upper

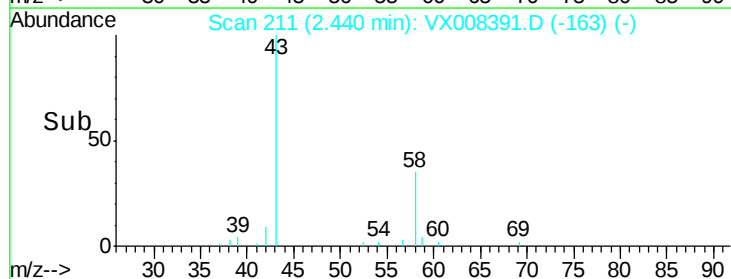
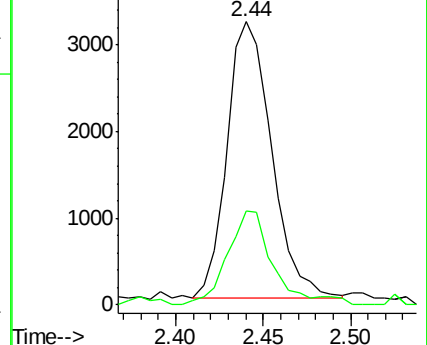
43 100

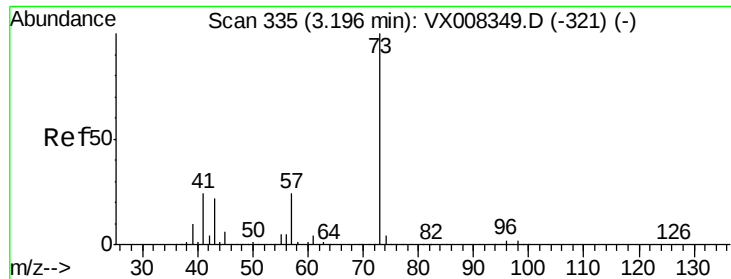
58 32.5 25.5 38.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

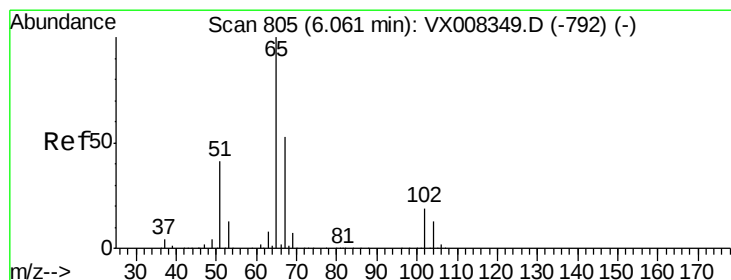
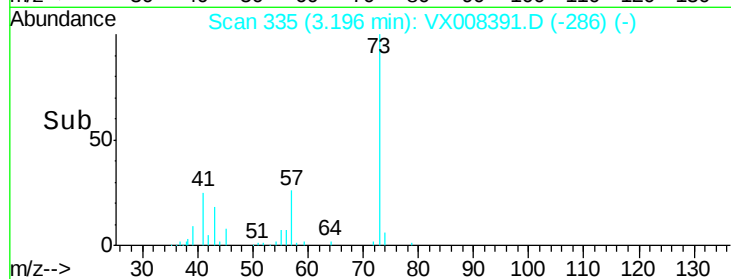
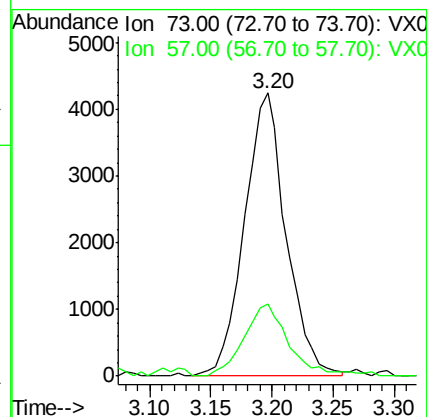
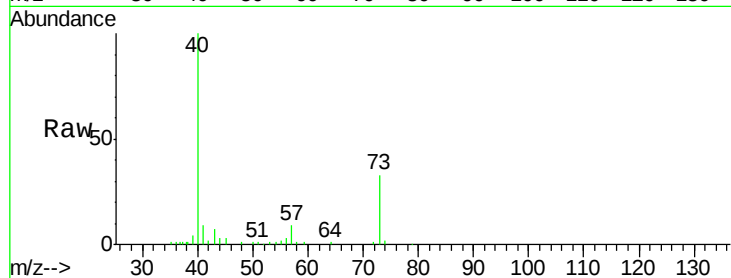




#19  
Methvl tert-butvl Ether  
Concen: 1.100 ug/l  
RT: 3.20 min Scan# 335  
Delta R.T. 0.00 min  
Lab File: VX008391.D  
Acq: 24 Mar 2019 14:55

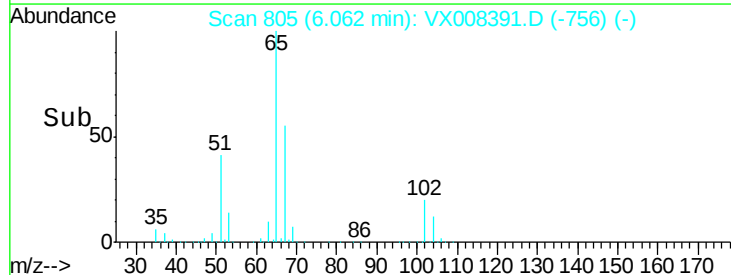
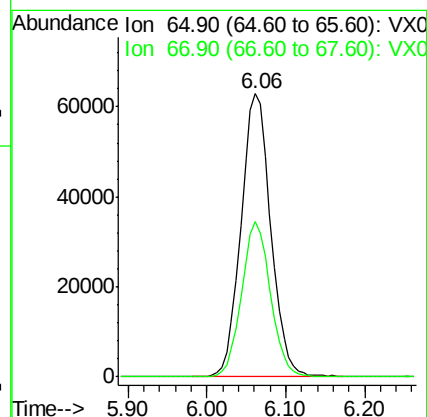
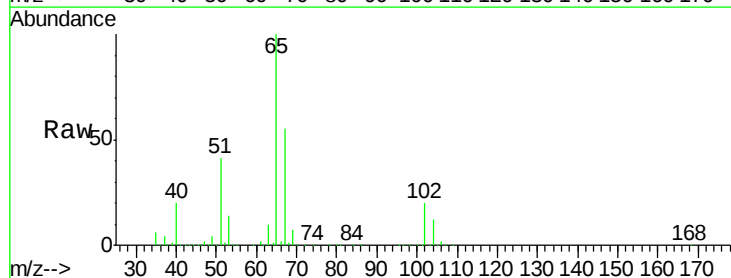
Instrument :  
MSVOA\_X  
ClientSampleId :  
M4-T1-UV(PRE)

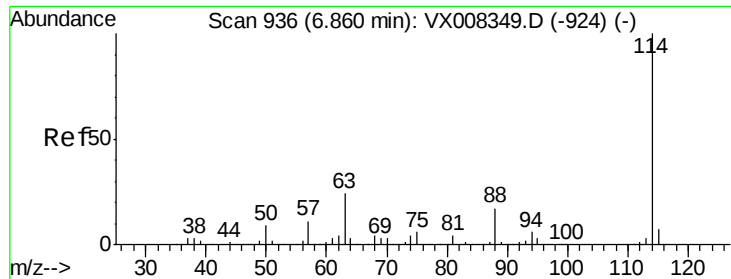
Tot Ion: 73 Resp: 10049  
Ion Ratio Lower Upper  
73 100  
57 25.6 18.2 27.4



#33  
1,2-Dichloroethane-d4  
Concen: 48.575 ug/l  
RT: 6.06 min Scan# 805  
Delta R.T. 0.00 min  
Lab File: VX008391.D  
Acq: 24 Mar 2019 14:55

Tgt Ion: 65 Resp: 164924  
Ion Ratio Lower Upper  
65 100  
67 53.4 0.0 110.0

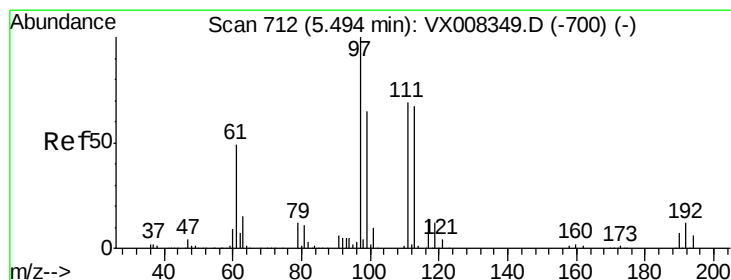
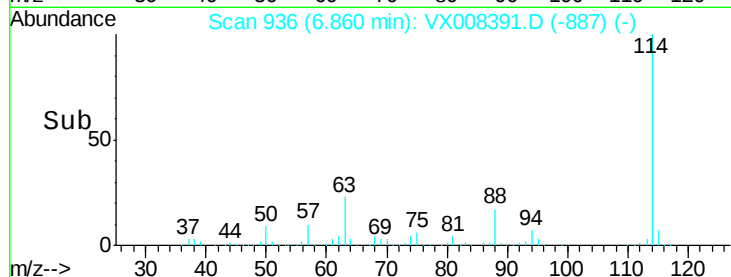
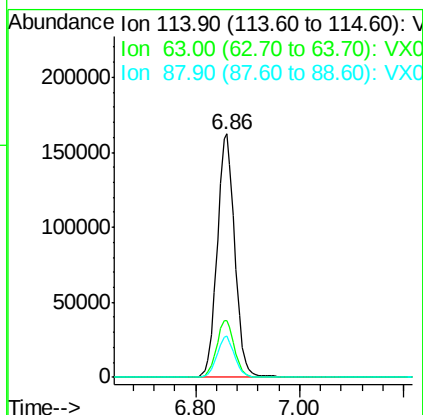
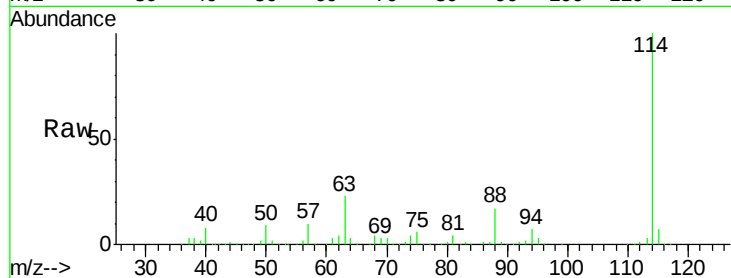




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. 0.00 min  
 Lab File: VX008391.D  
 Acq: 24 Mar 2019 14:55

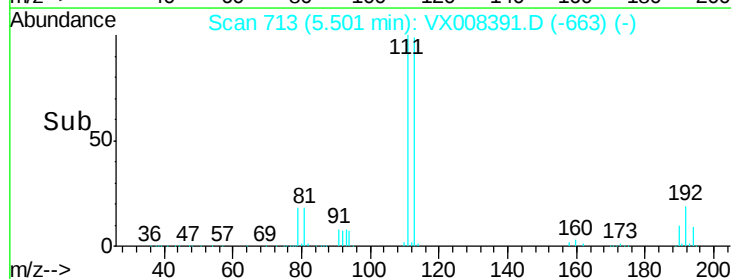
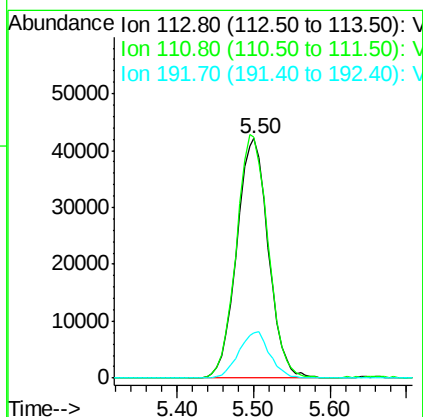
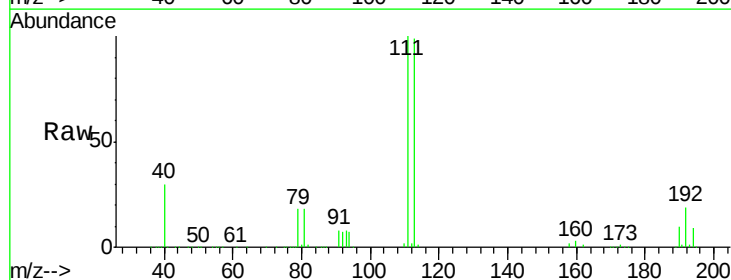
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 M4-T1-UV(PRE)

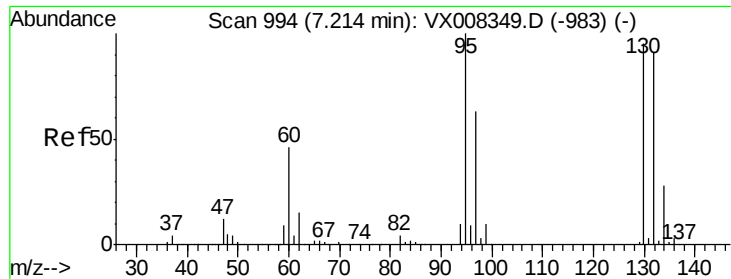
Tot Ion:114 Resp: 387566  
 Ion Ratio Lower Upper  
 114 100  
 63 23.4 0.0 39.8  
 88 16.8 0.0 31.4



#35  
 Dibromofluoromethane  
 Concen: 48.176 ug/l  
 RT: 5.50 min Scan# 713  
 Delta R.T. 0.01 min  
 Lab File: VX008391.D  
 Acq: 24 Mar 2019 14:55

Tgt Ion:113 Resp: 120970  
 Ion Ratio Lower Upper  
 113 100  
 111 102.1 81.4 122.0  
 192 18.9 19.4 29.0#

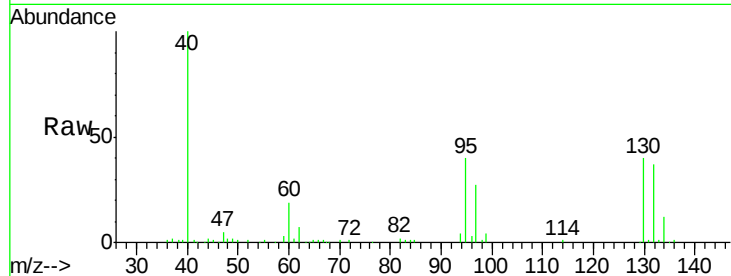




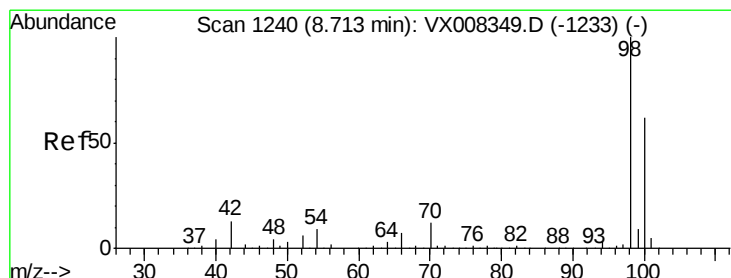
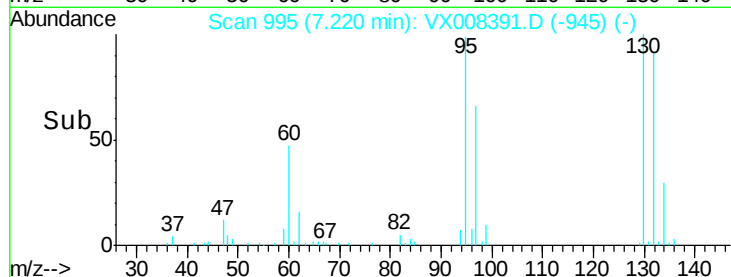
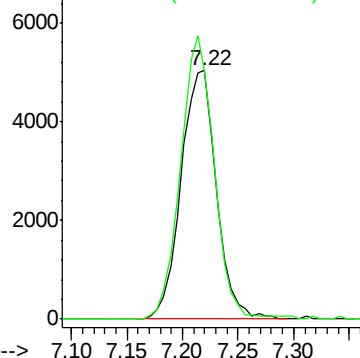
#44  
 Trichloroethene  
 Concen: 3.956 ug/l  
 RT: 7.22 min Scan# 995  
 Delta R.T. 0.01 min  
 Lab File: VX008391.D  
 Acq: 24 Mar 2019 14:55

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 M4-T1-UV(PRE)

Tot Ion:130 Resp: 11080  
 Ion Ratio Lower Upper  
 130 100  
 95 100.3 0.0 188.0

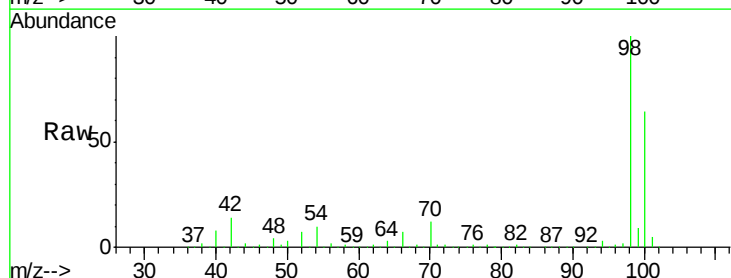


Abundance Ion 129.80 (129.50 to 130.50): V  
 Ion 94.90 (94.60 to 95.60): VX0

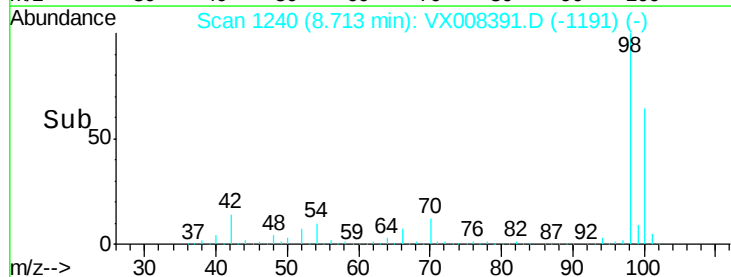
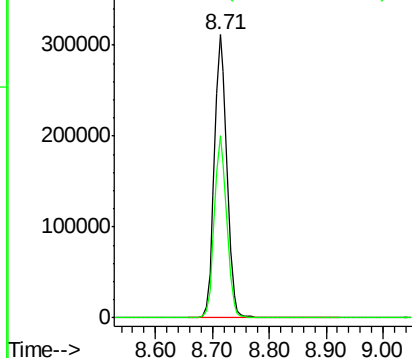


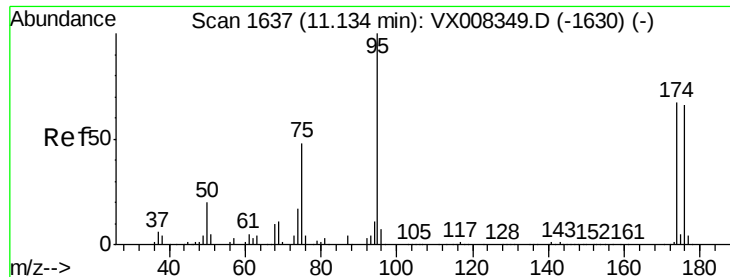
#50  
 Toluene-d8  
 Concen: 48.684 ug/l  
 RT: 8.71 min Scan# 1240  
 Delta R.T. 0.00 min  
 Lab File: VX008391.D  
 Acq: 24 Mar 2019 14:55

Tgt Ion: 98 Resp: 483516  
 Ion Ratio Lower Upper  
 98 100  
 100 63.4 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0  
 Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 44.698 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008391.D

Acq: 24 Mar 2019 14:55

Instrument :

MSVOA\_X

ClientSampleId :

M4-T1-UV(PRE)

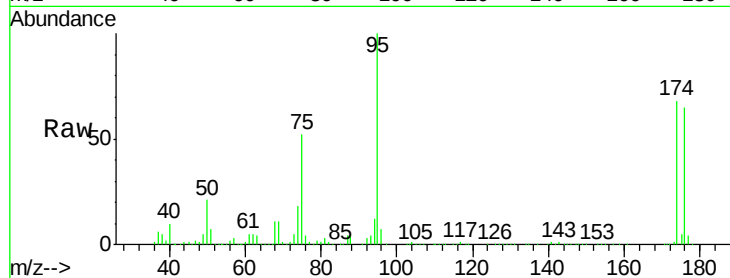
Tot Ion: 95 Resp: 162993

Ion Ratio Lower Upper

95 100

174 72.8 0.0 182.8

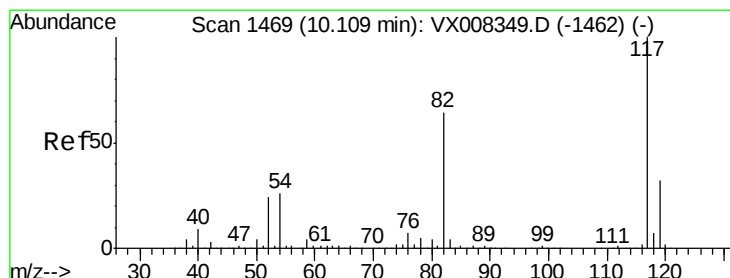
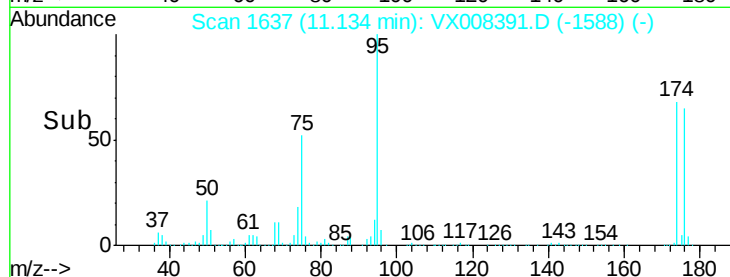
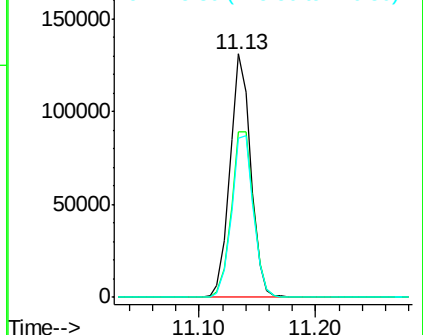
176 69.9 0.0 178.0



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: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX008391.D

Acq: 24 Mar 2019 14:55

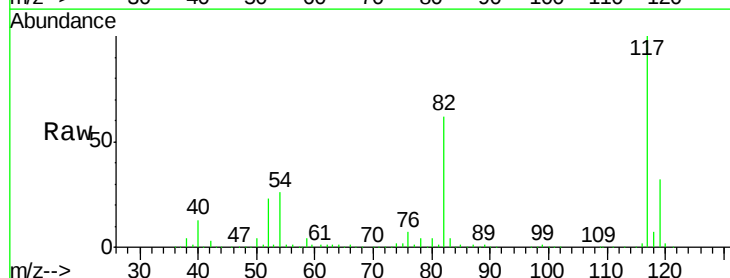
Tgt Ion: 117 Resp: 330145

Ion Ratio Lower Upper

117 100

82 62.5 44.3 66.5

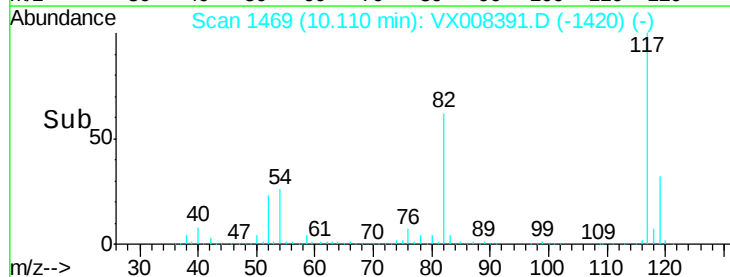
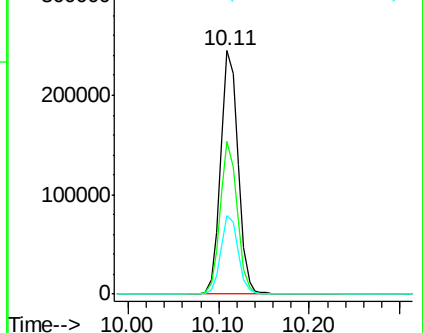
119 32.4 25.3 37.9

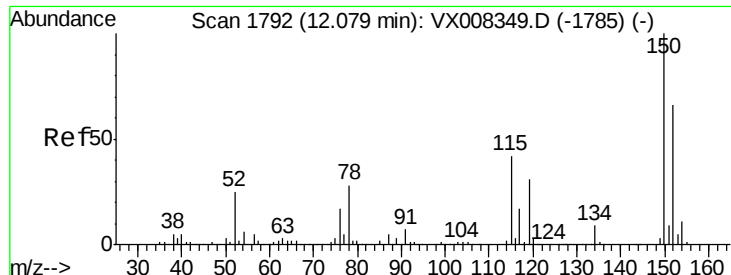


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX008391.D

Acq: 24 Mar 2019 14:55

Instrument :

MSVOA\_X

ClientSampleId :

M4-T1-UV(PRE)

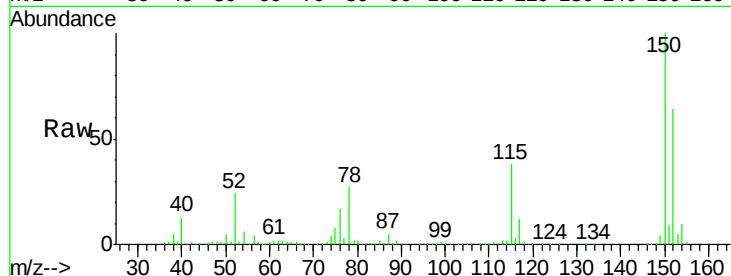
Tot Ion:152 Resp: 135078

Ion Ratio Lower Upper

152 100

115 61.7 38.6 115.7

150 158.1 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

