

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041019\  
 Data File : VX008805.D  
 Acq On : 10 Apr 2019 15:10  
 Operator : JC/SP  
 Sample : K2349-04  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS037MW098-190408

Quant Time: Apr 11 07:44:54 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X040319W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 04 04:47:41 2019  
 Response via : Initial Calibration

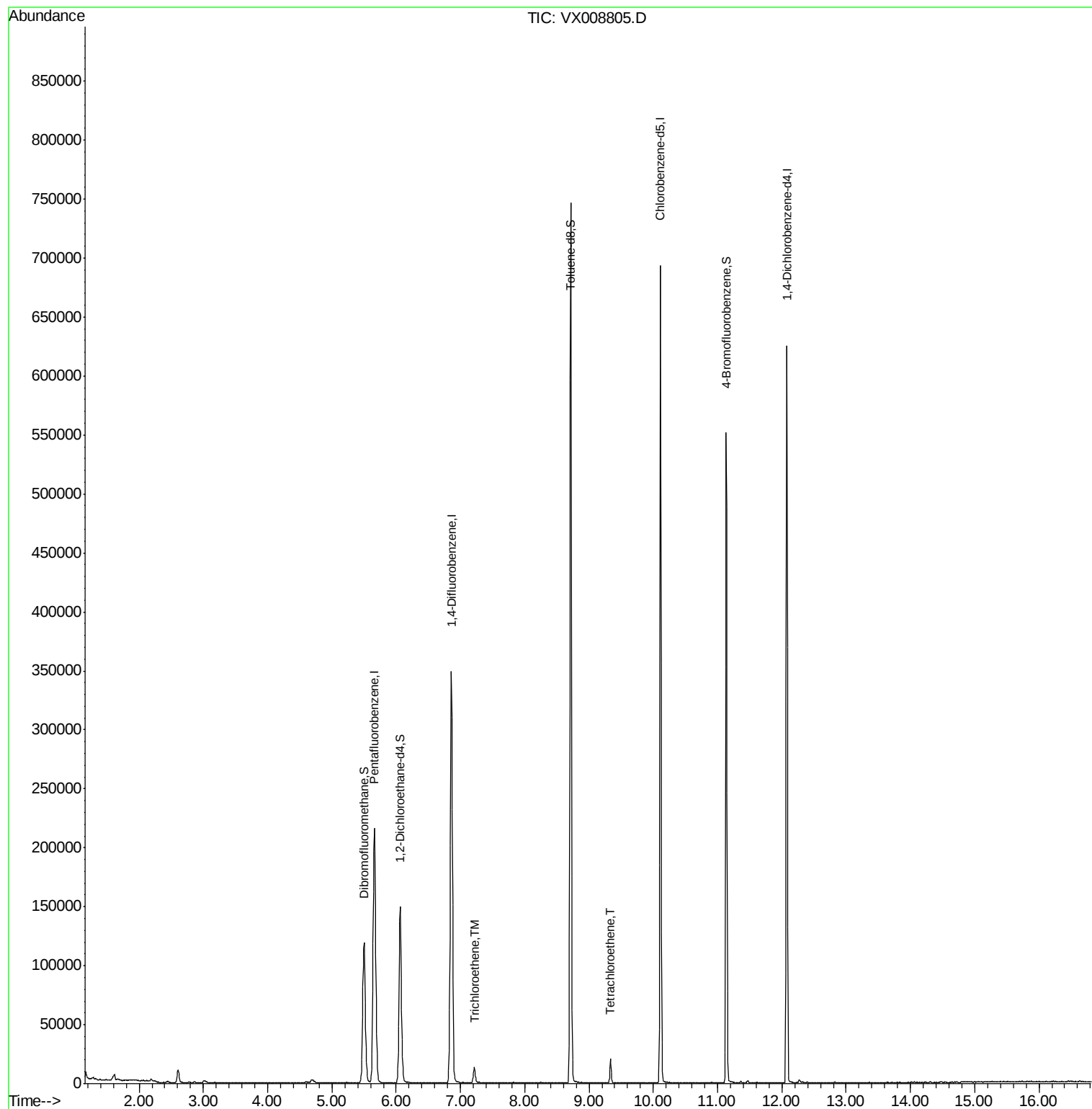
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 5.66  | 168  | 209977   | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 343198   | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 296557   | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 128238   | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 138973   | 45.38 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 90.76% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 103292   | 47.07 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 94.14% |          |
| 50) Toluene-d8              | 8.71  | 98   | 430665   | 49.29 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.58% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 144979   | 46.79 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 93.58% |          |
| Target Compounds            |       |      |          |       |        |          |
| 44) Trichloroethene         | 7.21  | 130  | 4881     | 1.875 | ug/l   | 94       |
| 64) Tetrachloroethene       | 9.33  | 164  | 3897     | 1.774 | ug/l   | 90       |

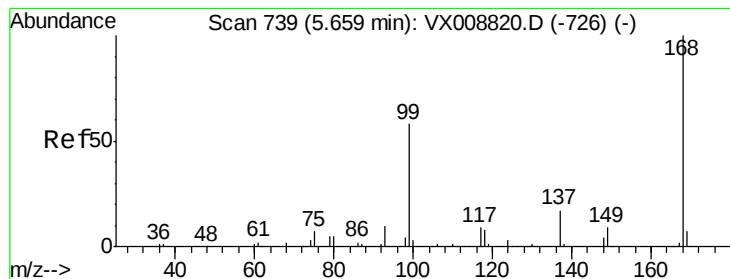
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX041019\  
Data File : VX008805.D  
Acq On : 10 Apr 2019 15:10  
Operator : JC/SP  
Sample : K2349-04  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS037MW098-190408

Quant Time: Apr 11 07:44:54 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X040319W.M  
Quant Title : SW846 8260  
QLast Update : Thu Apr 04 04:47:41 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX008805.D

Acq: 10 Apr 2019 15:10

Instrument :

MSVOA\_X

ClientSampleId :

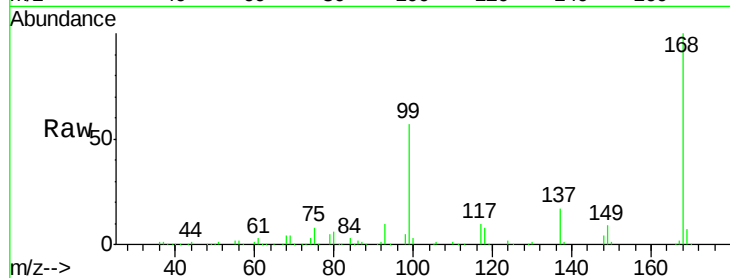
SS037MW098-190408

Tot Ion:168 Resp: 209977

Ion Ratio Lower Upper

168 100

99 57.1 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

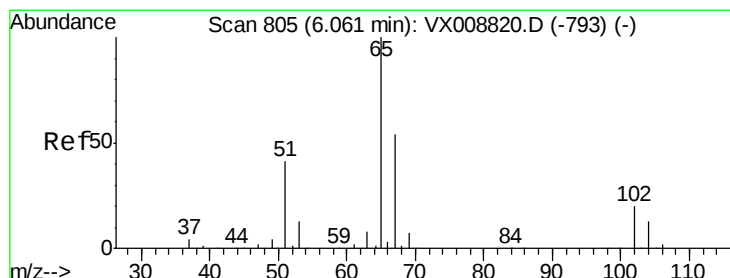
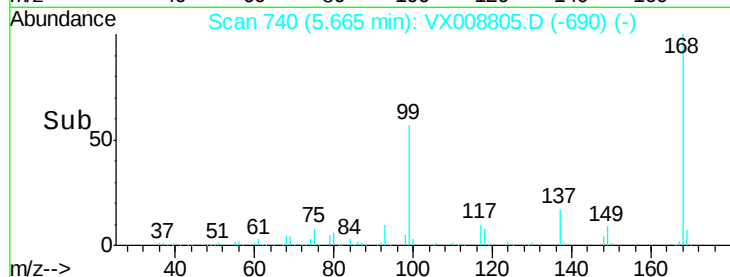
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80 5.90



#33

1,2-Dichloroethane-d4

Concen: 45.377 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008805.D

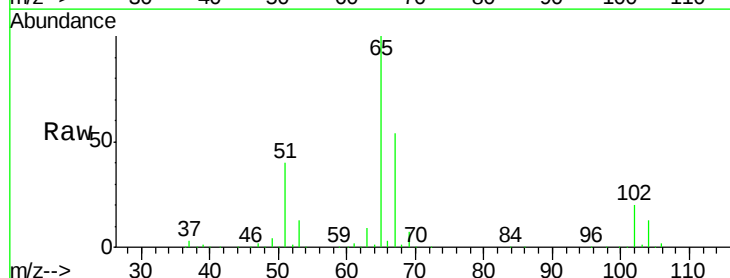
Acq: 10 Apr 2019 15:10

Tgt Ion: 65 Resp: 138973

Ion Ratio Lower Upper

65 100

67 54.2 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

60000

50000

40000

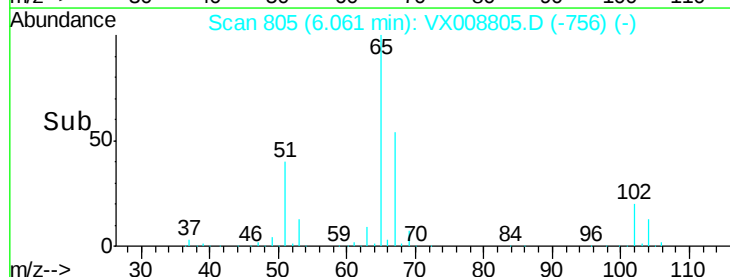
30000

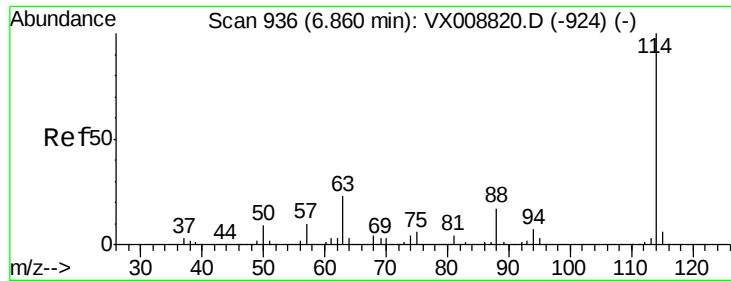
20000

10000

0

Time--> 5.90 6.00 6.10 6.20

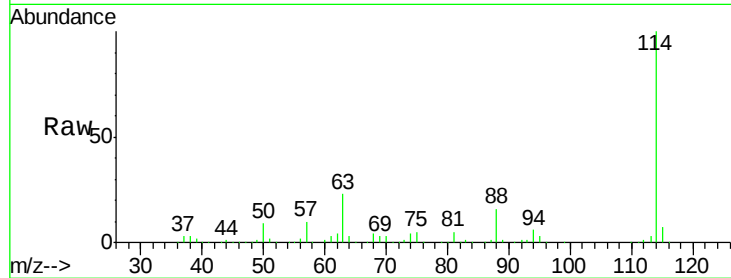




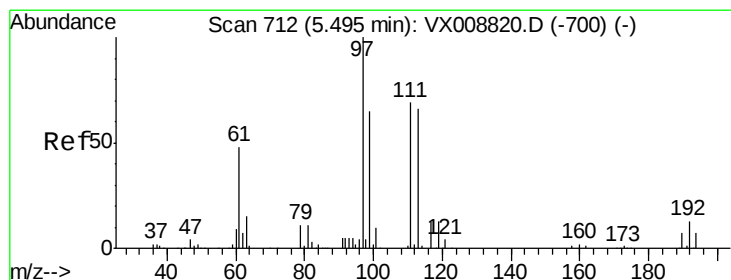
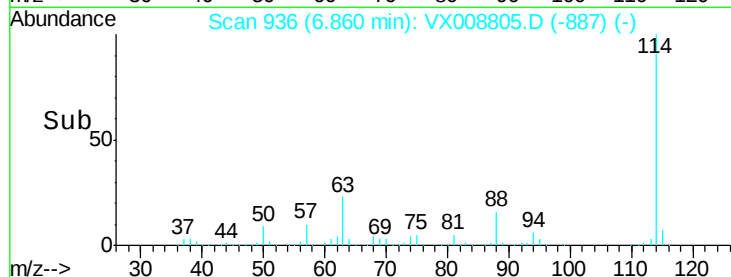
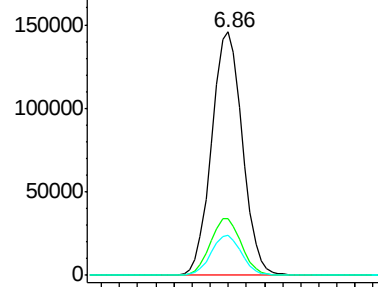
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. -0.00 min  
 Lab File: VX008805.D  
 Acq: 10 Apr 2019 15:10

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS037MW098-190408

Tot Ion:114 Resp: 343198  
 Ion Ratio Lower Upper  
 114 100  
 63 23.3 0.0 47.2  
 88 16.5 0.0 34.0

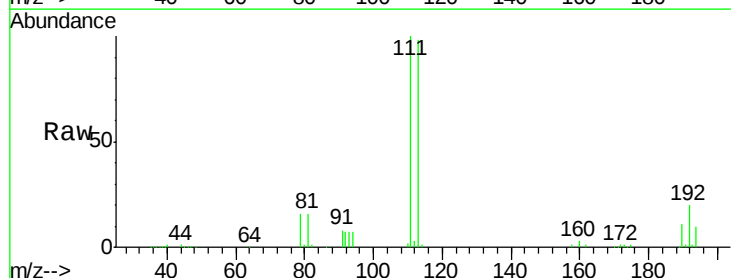


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VX0  
 Ion 87.90 (87.60 to 88.60): VX0

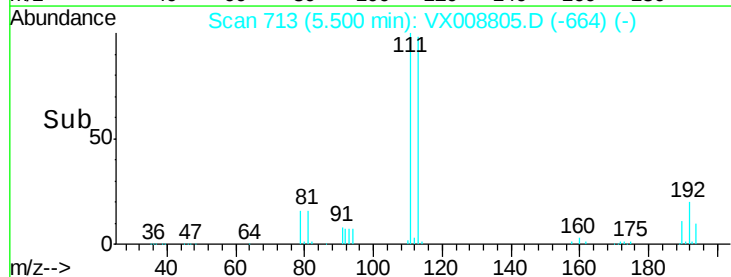
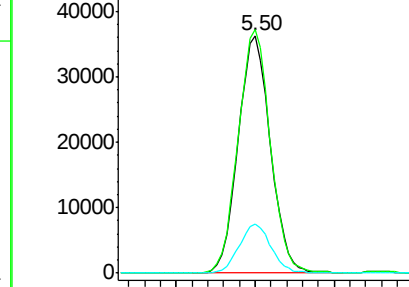


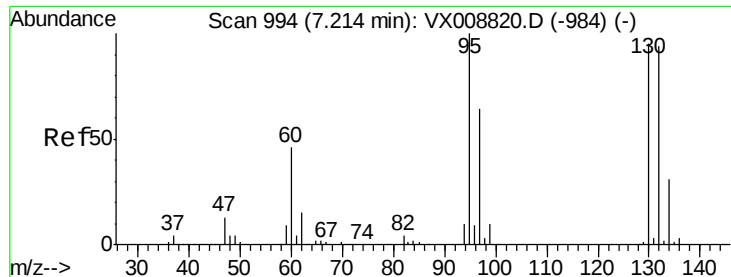
#35  
 Dibromofluoromethane  
 Concen: 47.073 ug/l  
 RT: 5.50 min Scan# 713  
 Delta R.T. -0.00 min  
 Lab File: VX008805.D  
 Acq: 10 Apr 2019 15:10

Tgt Ion:113 Resp: 103292  
 Ion Ratio Lower Upper  
 113 100  
 111 102.3 83.4 125.2  
 192 20.4 16.1 24.1



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





#44

Trichloroethene

Concen: 1.875 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX008805.D

Acq: 10 Apr 2019 15:10

Instrument :

MSVOA\_X

ClientSampleId :

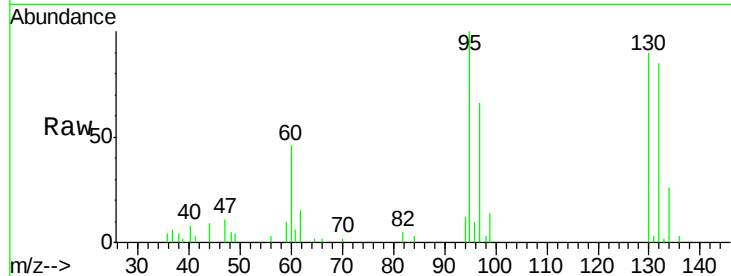
SS037MW098-190408

Tot Ion:130 Resp: 4881

Ion Ratio Lower Upper

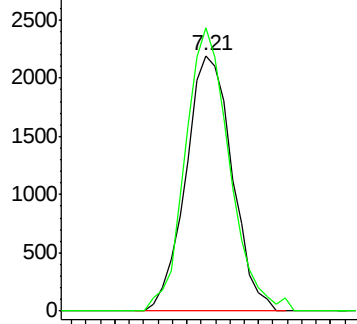
130 100

95 110.9 0.0 209.8

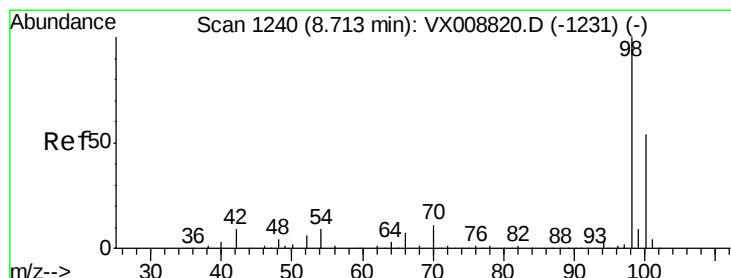
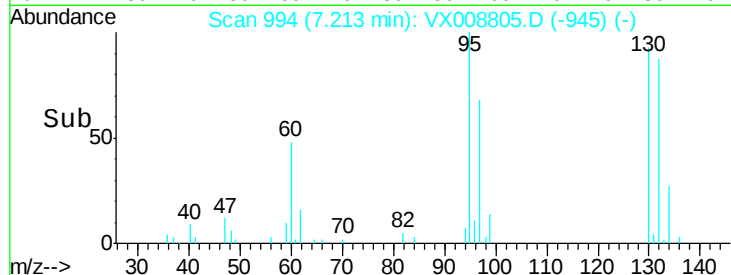


Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



Time-->



#50

Toluene-d8

Concen: 49.292 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008805.D

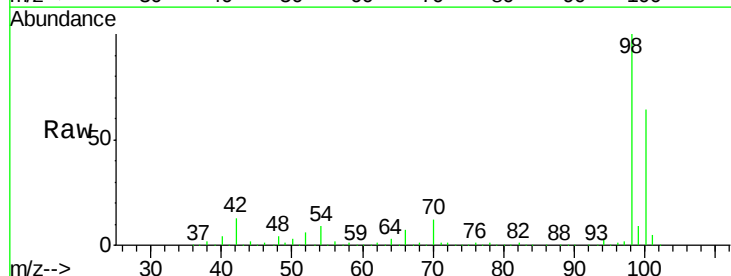
Acq: 10 Apr 2019 15:10

Tgt Ion: 98 Resp: 430665

Ion Ratio Lower Upper

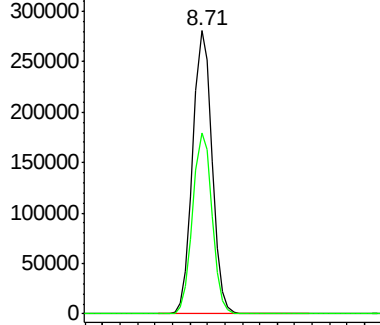
98 100

100 64.1 51.4 77.0

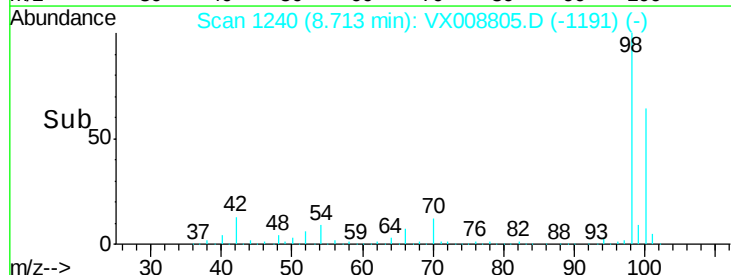


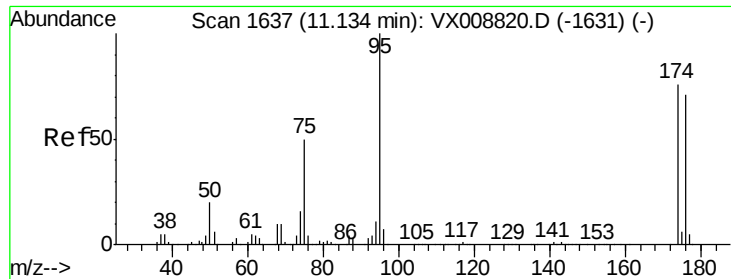
Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



Time-->





#62

4-Bromofluorobenzene

Concen: 46.793 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008805.D

Acq: 10 Apr 2019 15:10

Instrument :

MSVOA\_X

ClientSampleId :

SS037MW098-190408

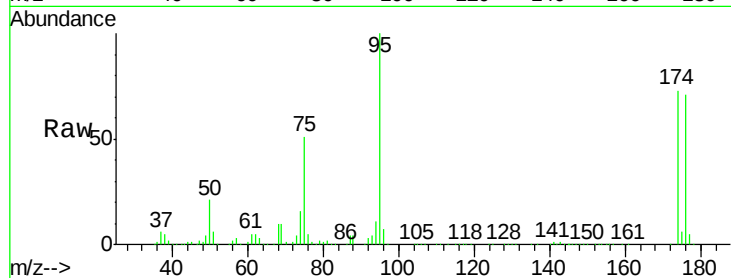
Tot Ion: 95 Resp: 144979

Ion Ratio Lower Upper

95 100

174 77.4 0.0 151.8

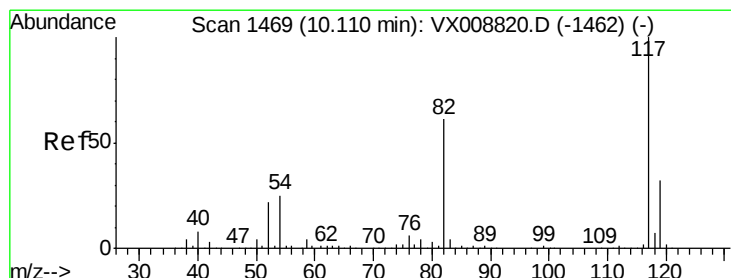
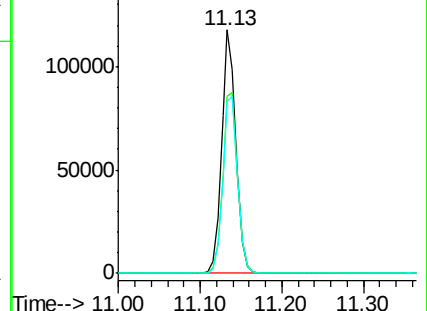
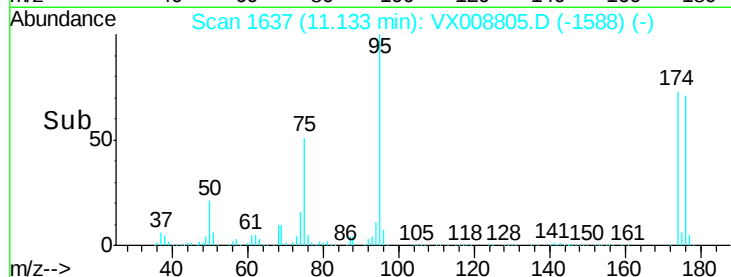
176 75.8 0.0 145.8



Abundance Ion 94.90 (94.60 to 95.60): VX008805.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX008805.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX008805.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX008805.D

Acq: 10 Apr 2019 15:10

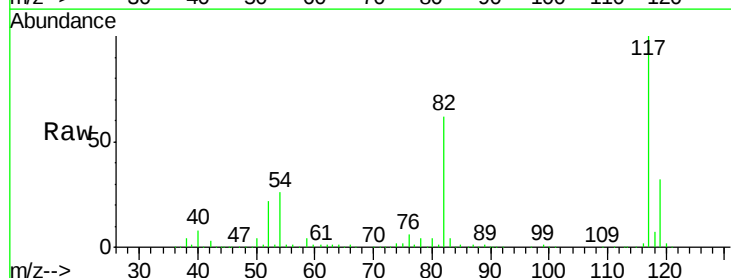
Tgt Ion: 117 Resp: 296557

Ion Ratio Lower Upper

117 100

82 62.3 49.6 74.4

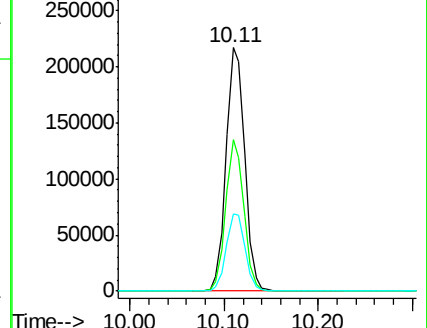
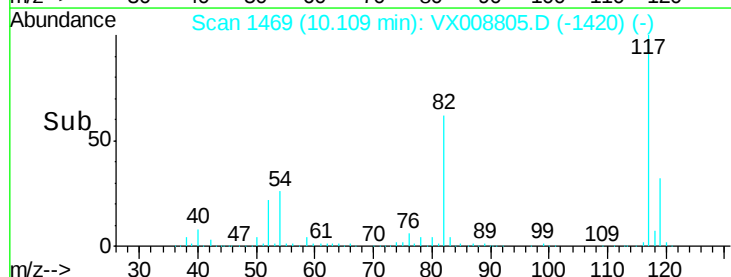
119 31.6 25.0 37.4

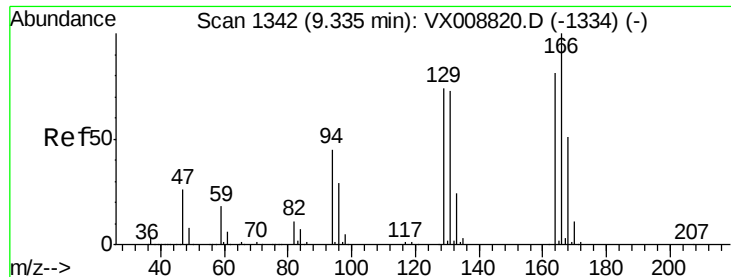


Abundance Ion 116.90 (116.60 to 117.60): VX008805.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX008805.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX008805.D (-1420) (-)





#64

Tetrachloroethene

Concen: 1.774 ug/l

RT: 9.33 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX008805.D

Acq: 10 Apr 2019 15:10

Instrument :

MSVOA\_X

ClientSampleId :

SS037MW098-190408

Tot Ion:164 Resp: 3897

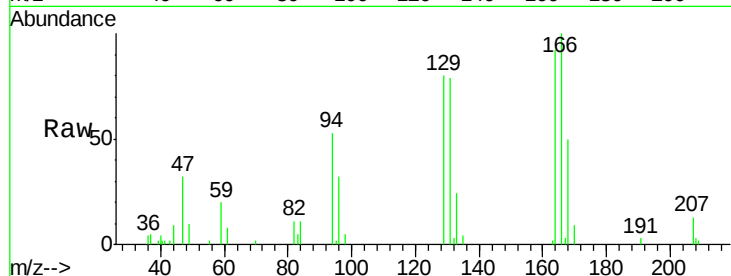
Ion Ratio Lower Upper

164 100

166 108.8 101.0 151.6

129 86.7 75.8 113.8

131 85.4 71.8 107.8

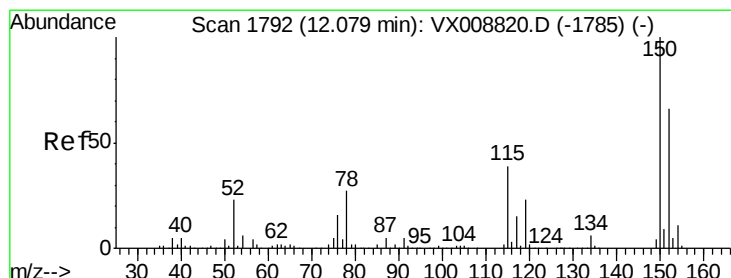
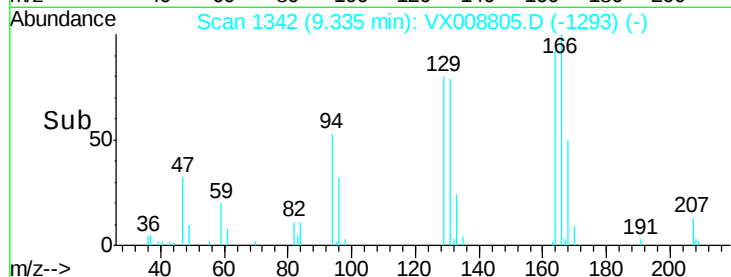
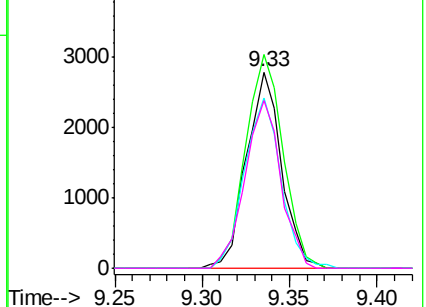


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VX008805.D

Acq: 10 Apr 2019 15:10

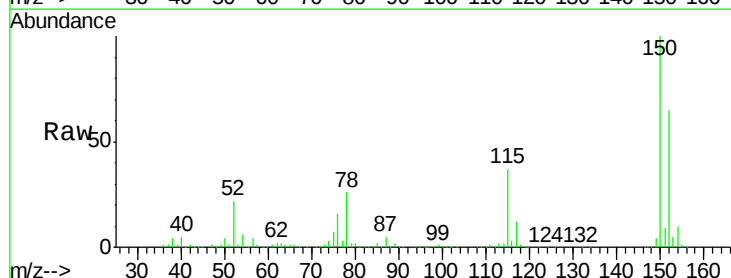
Tgt Ion:152 Resp: 128238

Ion Ratio Lower Upper

152 100

115 58.9 43.5 130.5

150 155.1 0.0 348.8



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

