

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050919\  
 Data File : VX009464.D  
 Acq On : 10 May 2019 06:09  
 Operator : JC/SP  
 Sample : K2782-19  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 52 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS052MW279-190507

Quant Time: May 10 09:04:01 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X042919W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 09 07:31:15 2019  
 Response via : Initial Calibration

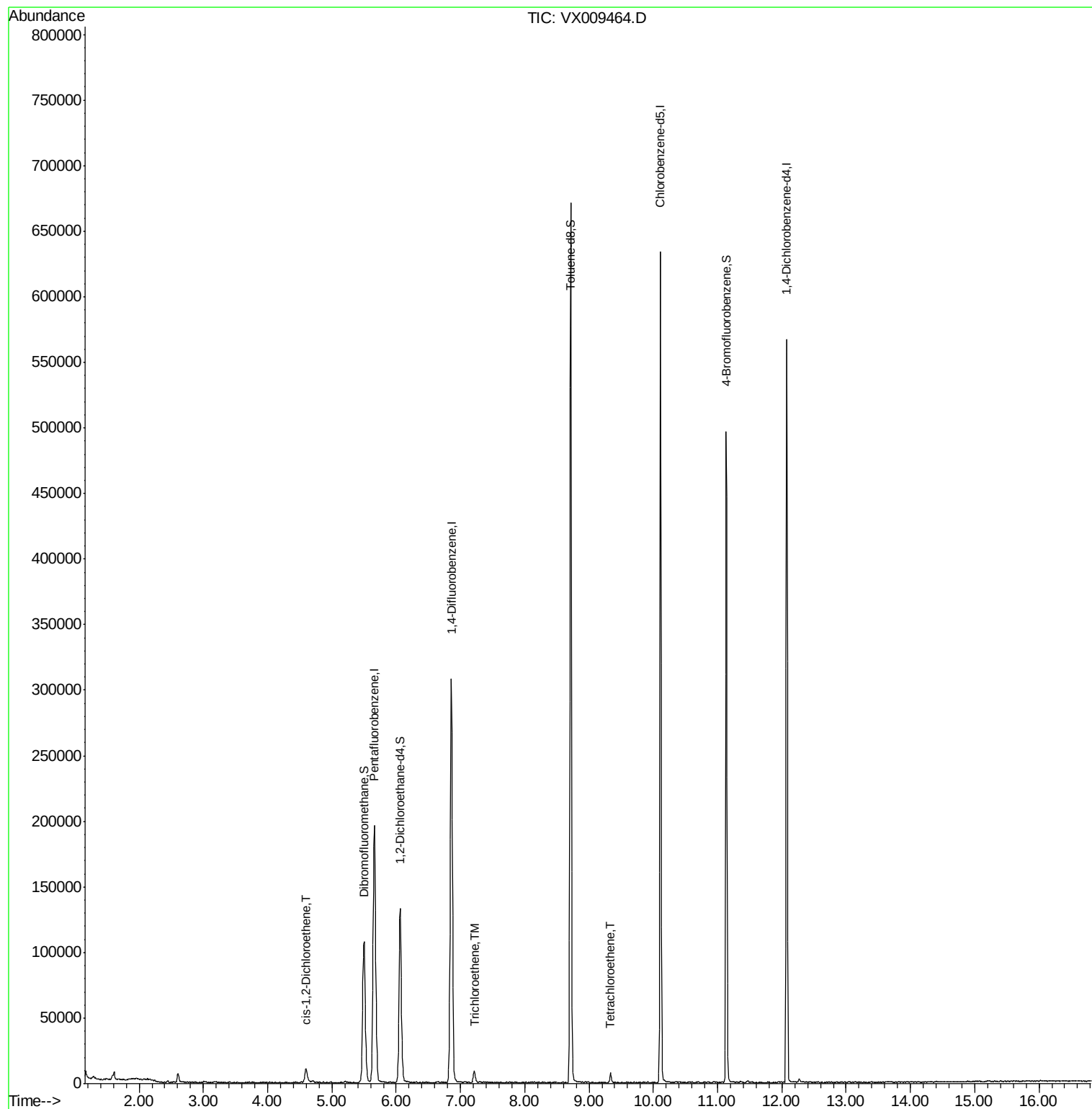
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 5.66  | 168  | 189562   | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 306616   | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 272665   | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 119582   | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 124365   | 48.06 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.12% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 93815    | 48.67 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.34% |          |
| 50) Toluene-d8              | 8.71  | 98   | 386628   | 49.68 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.36% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 129534   | 45.81 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 91.62% |          |
| Target Compounds            |       |      |          |       |        |          |
| 27) cis-1,2-Dichloroethene  | 4.59  | 96   | 6526     | 2.834 | ug/l   | 87       |
| 44) Trichloroethene         | 7.21  | 130  | 3429     | 1.608 | ug/l   | 94       |
| 64) Tetrachloroethene       | 9.34  | 164  | 1453     | 0.777 | ug/l   | 90       |

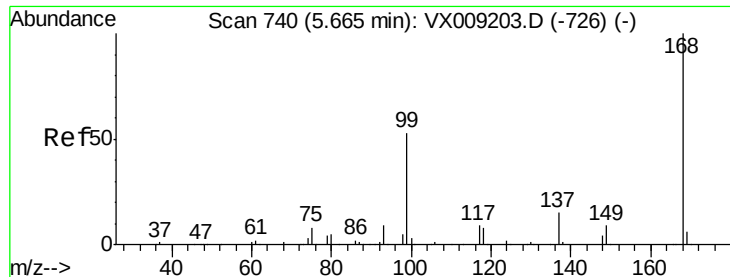
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X042919W.M  
Quant Title : SW846 8260  
QLast Update : Thu May 09 07:31:15 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: VX009464.D

Acq: 10 May 2019 06:09

Instrument :

MSVOA\_X

ClientSampleId :

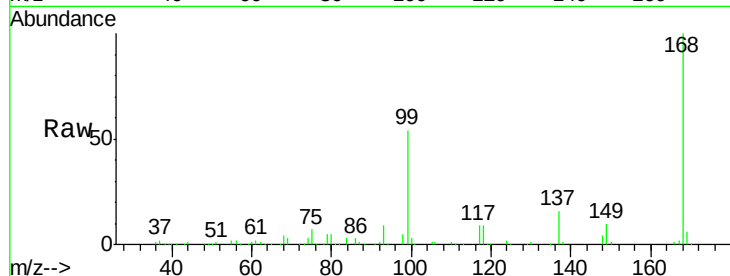
SS052MW279-190507

Tot Ion:168 Resp: 189562

Ion Ratio Lower Upper

168 100

99 54.3 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

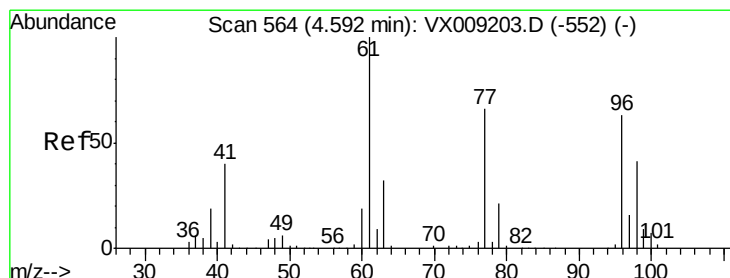
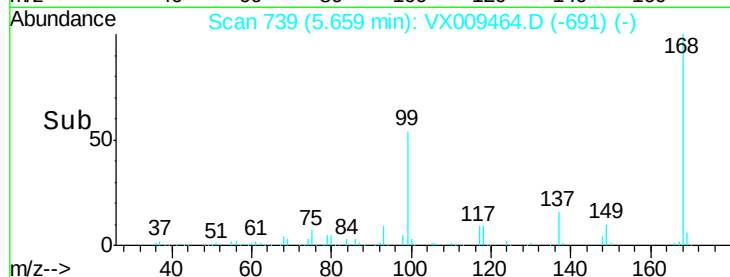
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#27

cis-1,2-Dichloroethene

Concen: 2.834 ug/l

RT: 4.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VX009464.D

Acq: 10 May 2019 06:09

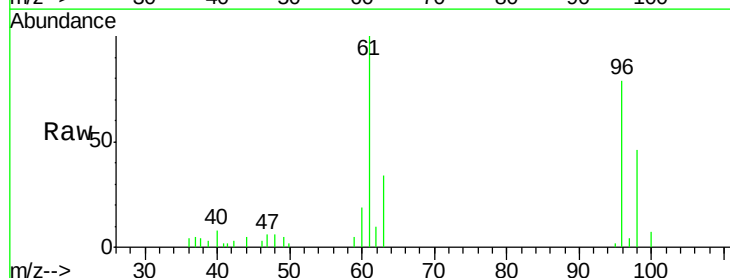
Tgt Ion: 96 Resp: 6526

Ion Ratio Lower Upper

96 100

61 138.3 0.0 324.0

98 67.0 0.0 130.4



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

4000

3000

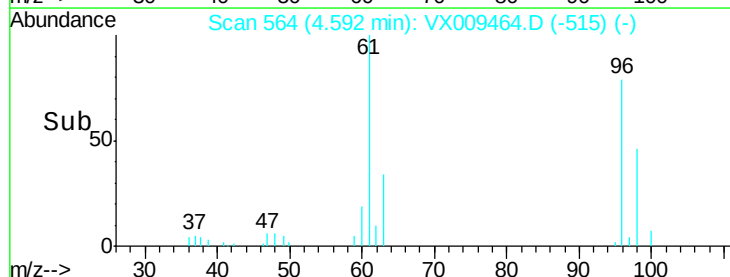
2000

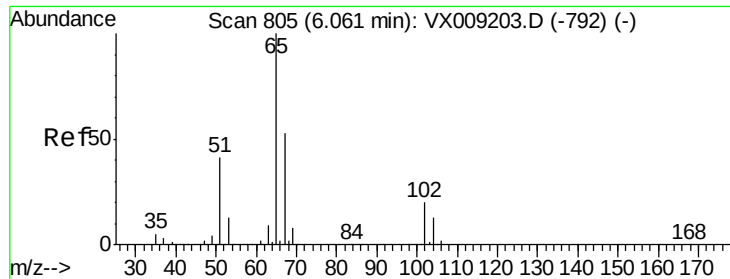
1000

0

Time-->

4.50 4.60 4.70

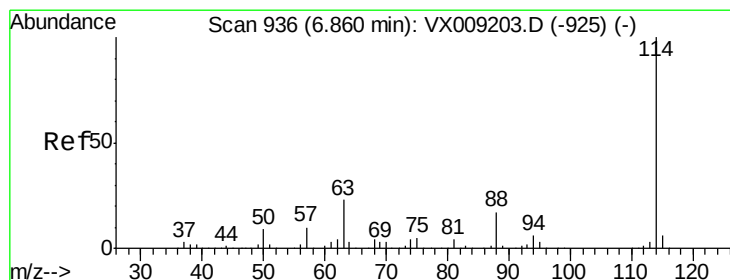
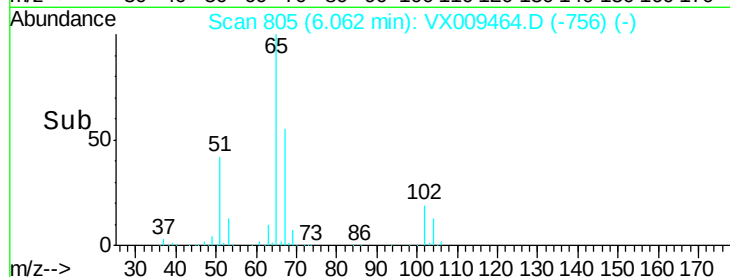
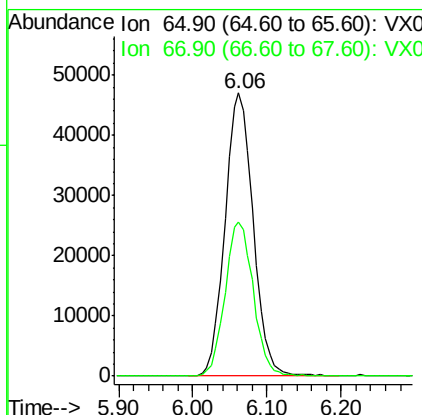
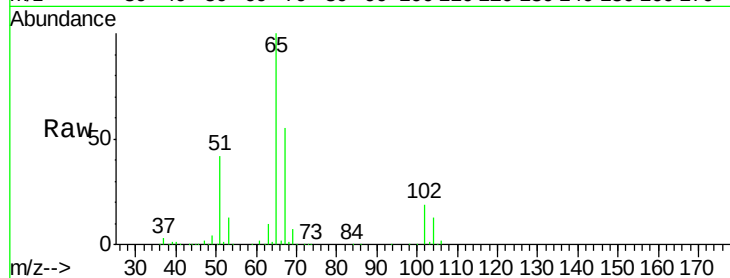




#33  
 1,2-Dichloroethane-d4  
 Concen: 48.059 ug/l  
 RT: 6.06 min Scan# 805  
 Delta R.T. 0.00 min  
 Lab File: VX009464.D  
 Acq: 10 May 2019 06:09

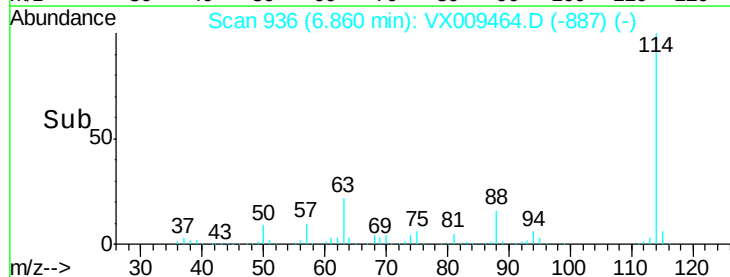
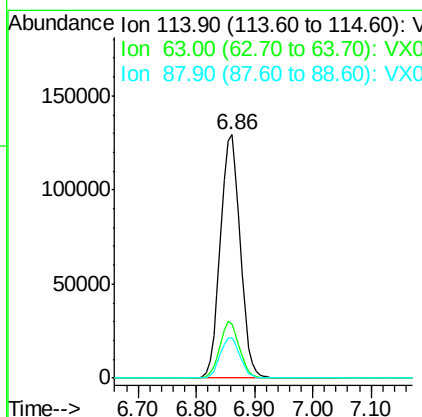
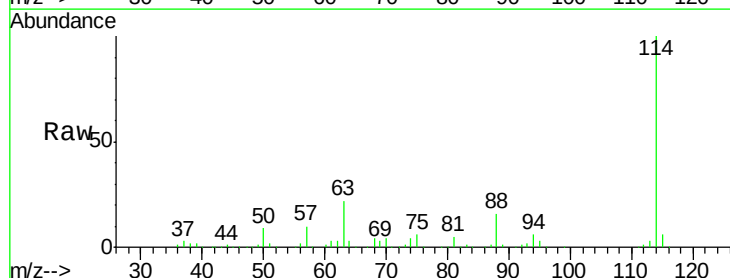
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS052MW279-190507

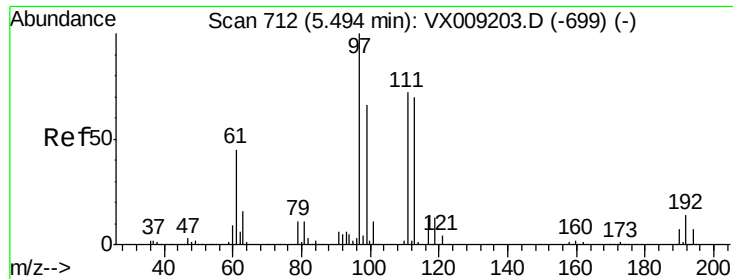
Tot Ion: 65 Resp: 124365  
 Ion Ratio Lower Upper  
 65 100  
 67 54.4 0.0 106.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. 0.00 min  
 Lab File: VX009464.D  
 Acq: 10 May 2019 06:09

Tgt Ion: 114 Resp: 306616  
 Ion Ratio Lower Upper  
 114 100  
 63 22.2 0.0 45.6  
 88 16.5 0.0 33.2

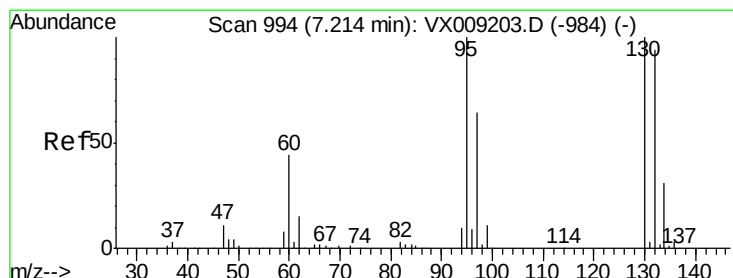
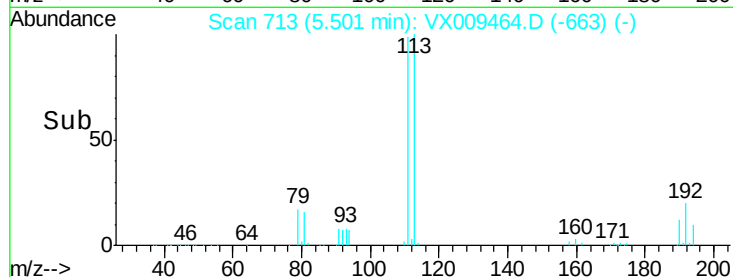
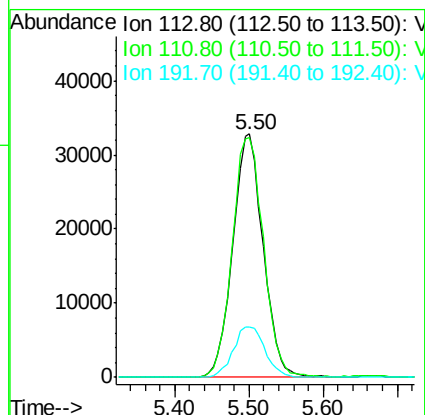
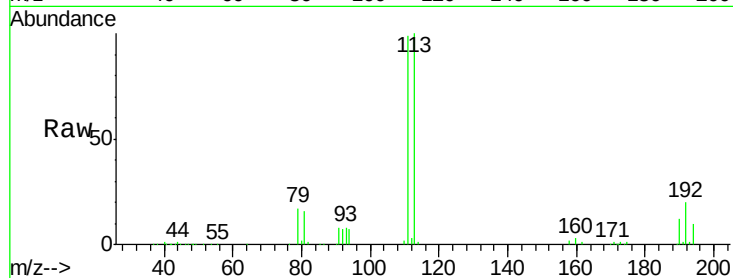




#35  
 Dibromofluoromethane  
 Concen: 48.672 ug/l  
 RT: 5.50 min Scan# 713  
 Delta R.T. 0.01 min  
 Lab File: VX009464.D  
 Acq: 10 May 2019 06:09

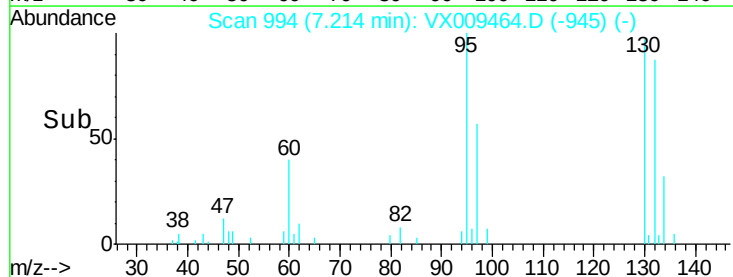
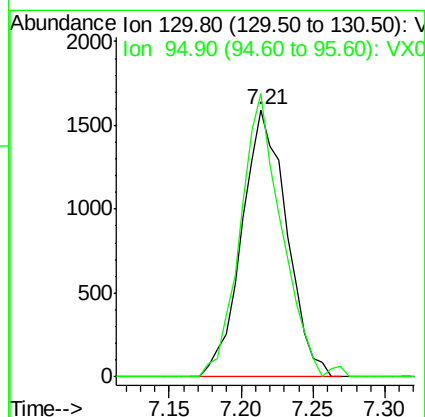
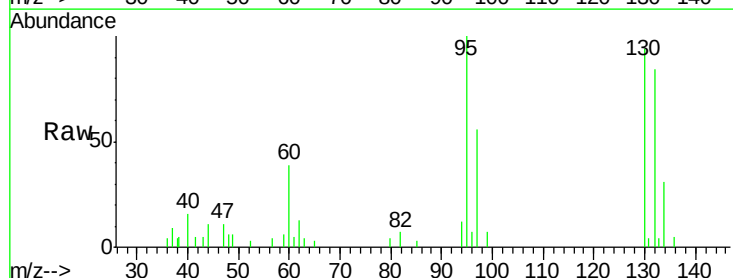
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS052MW279-190507

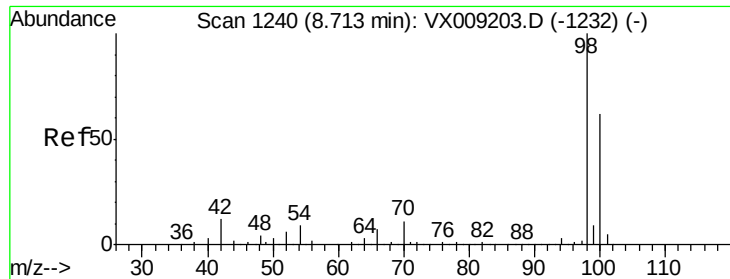
Tot Ion:113 Resp: 93815  
 Ion Ratio Lower Upper  
 113 100  
 111 101.7 82.8 124.2  
 192 21.6 17.0 25.6



#44  
 Trichloroethene  
 Concen: 1.608 ug/l  
 RT: 7.21 min Scan# 994  
 Delta R.T. 0.00 min  
 Lab File: VX009464.D  
 Acq: 10 May 2019 06:09

Tgt Ion:130 Resp: 3429  
 Ion Ratio Lower Upper  
 130 100  
 95 105.9 0.0 199.2





#50

Toluene-d8

Concen: 49.683 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009464.D

Acq: 10 May 2019 06:09

Instrument :

MSVOA\_X

ClientSampleId :

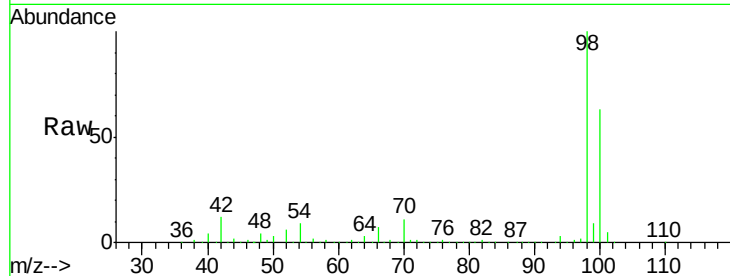
SS052MW279-190507

Tot Ion: 98 Resp: 386628

Ion Ratio Lower Upper

98 100

100 64.0 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

250000

200000

150000

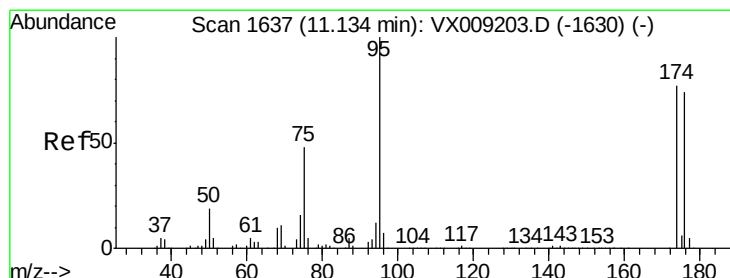
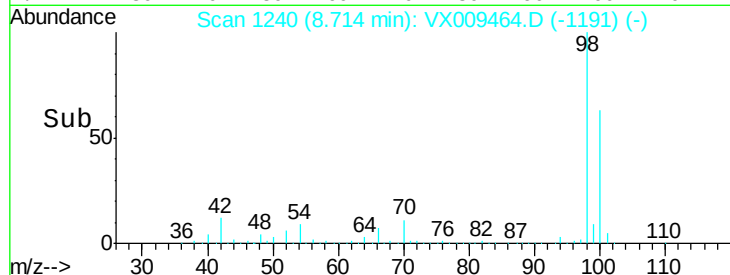
100000

50000

0

8.60 8.70 8.80

Time-->



#62

4-Bromofluorobenzene

Concen: 45.810 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009464.D

Acq: 10 May 2019 06:09

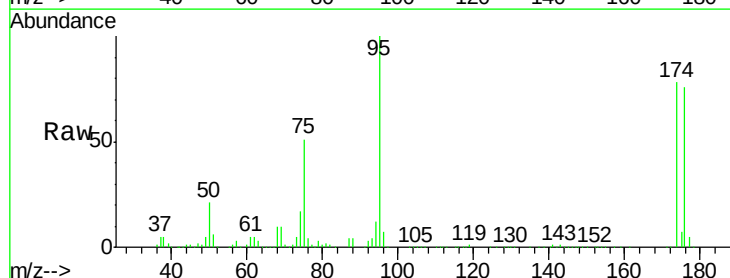
Tgt Ion: 95 Resp: 129534

Ion Ratio Lower Upper

95 100

174 82.1 0.0 161.6

176 80.0 0.0 159.2



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

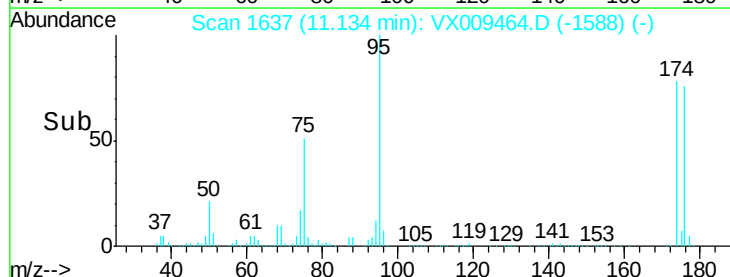
100000

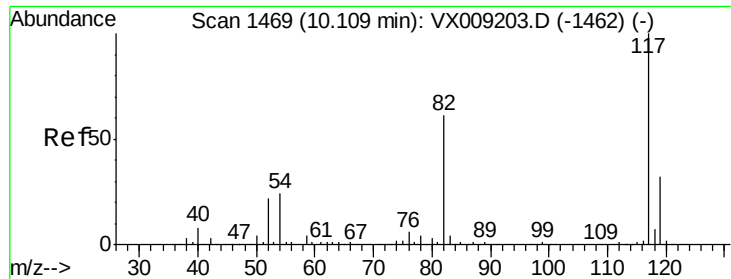
50000

0

11.10 11.20

Time-->

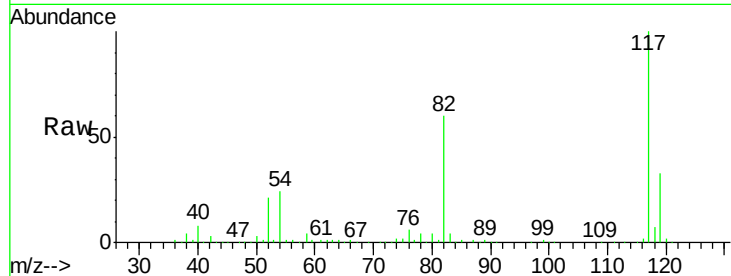




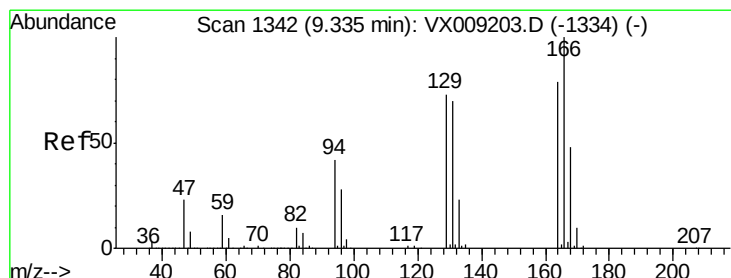
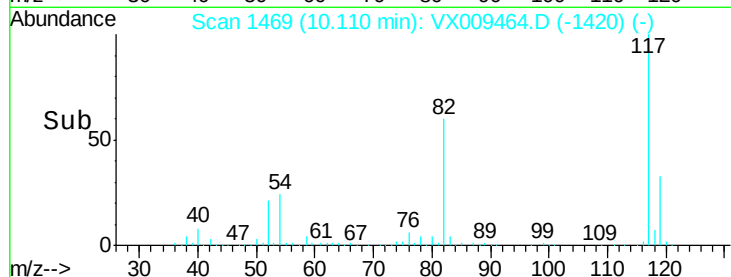
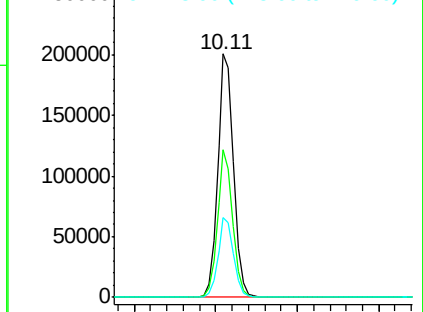
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. 0.00 min  
Lab File: VX009464.D  
Acq: 10 May 2019 06:09

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS052MW279-190507

Tot Ion:117 Resp: 272665  
Ion Ratio Lower Upper  
117 100  
82 60.4 48.8 73.2  
119 32.6 25.8 38.6

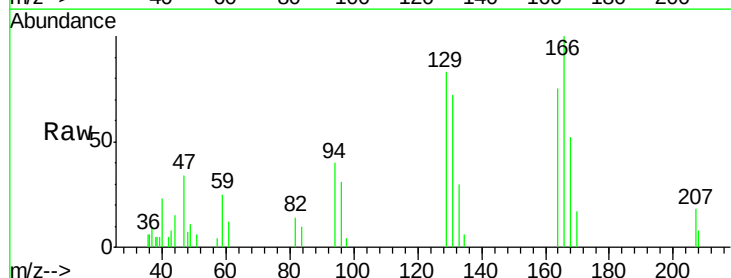


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V

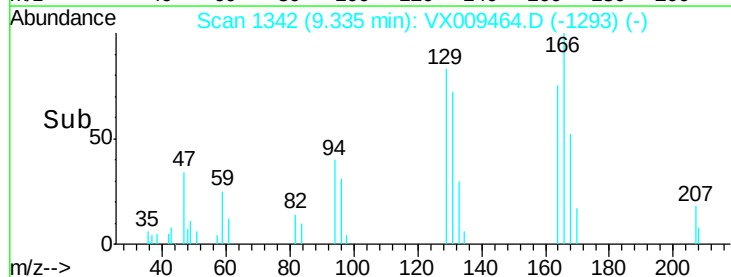
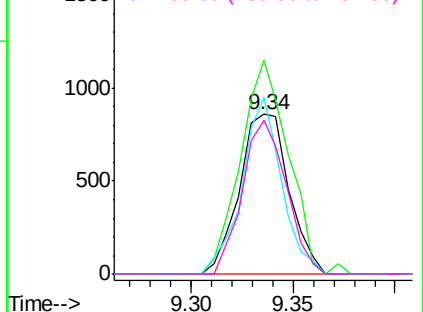


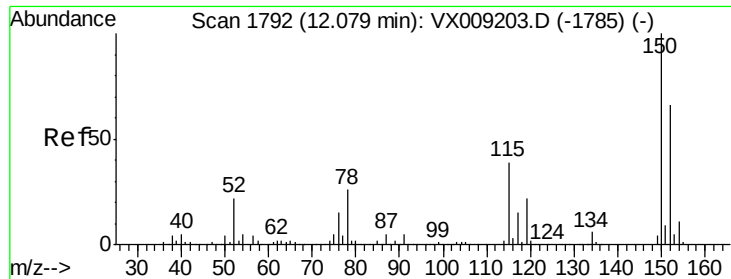
#64  
Tetrachloroethene  
Concen: 0.777 ug/l  
RT: 9.34 min Scan# 1342  
Delta R.T. 0.00 min  
Lab File: VX009464.D  
Acq: 10 May 2019 06:09

Tgt Ion:164 Resp: 1453  
Ion Ratio Lower Upper  
164 100  
166 133.8 101.2 151.8  
129 110.9 74.3 111.5  
131 95.9 71.0 106.6



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

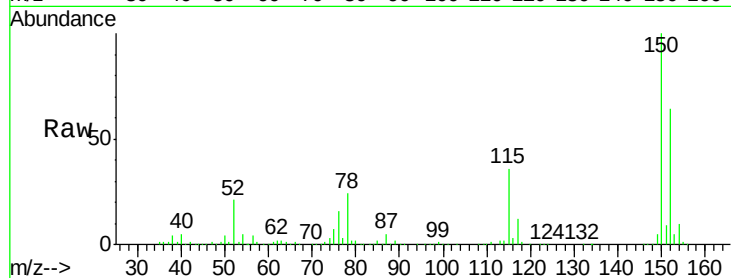




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.08 min Scan# 1792  
 Delta R.T. 0.00 min  
 Lab File: VX009464.D  
 Acq: 10 May 2019 06:09

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS052MW279-190507

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 58.0  | 41.2  | 123.6 |
| 150     | 156.4 | 0.0   | 346.4 |



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

