

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041519\  
 Data File : VX008968.D  
 Acq On : 15 Apr 2019 18:19  
 Operator : JC/SP  
 Sample : K2387-09  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS042MW132-190411

Quant Time: Apr 16 04:37:40 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X041519W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 16 02:27:32 2019  
 Response via : Initial Calibration

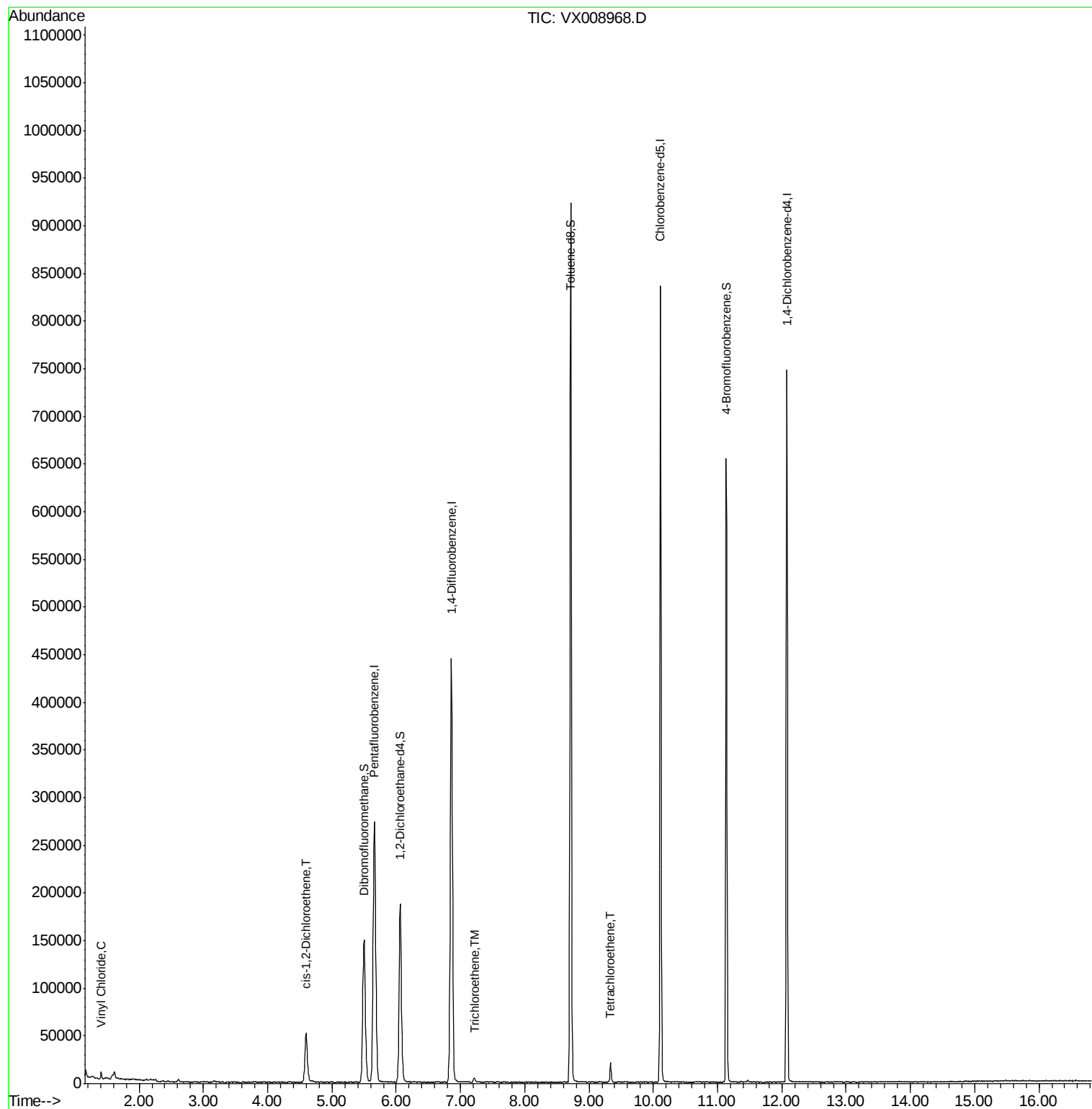
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 267612   | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 434242   | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 365508   | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 150923   | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 176156   | 46.71 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 93.42% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 129456   | 46.45 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 92.90% |          |
| 50) Toluene-d8              | 8.71  | 98   | 527048   | 47.42 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 94.84% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 172035   | 43.85 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 87.70% |          |
| Target Compounds            |       |      |          |       |        |          |
| 4) Vinyl Chloride           | 1.41  | 62   | 4759     | 1.292 | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene  | 4.60  | 96   | 31547    | 9.077 | ug/l   | 89       |
| 44) Trichloroethene         | 7.21  | 130  | 1719     | 0.530 | ug/l   | 86       |
| 64) Tetrachloroethene       | 9.34  | 164  | 3750     | 1.351 | ug/l # | 86       |

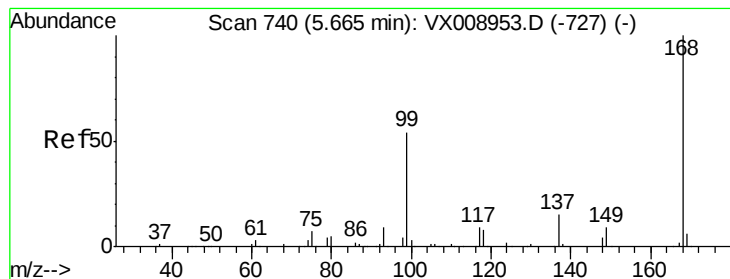
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX041519\  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X041519W.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 16 02:27:32 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: VX008968.D

Acq: 15 Apr 2019 18:19

Instrument :

MSVOA\_X

ClientSampleId :

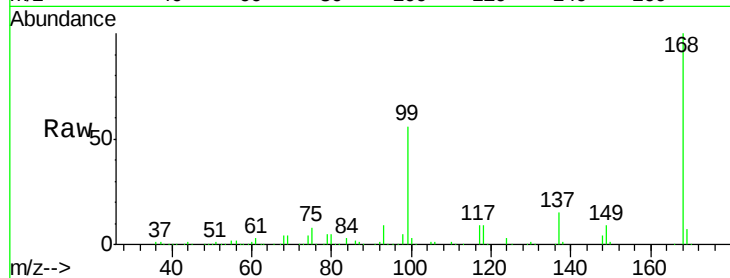
SS042MW132-190411

Tot Ion:168 Resp: 267612

Ion Ratio Lower Upper

168 100

99 56.4 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

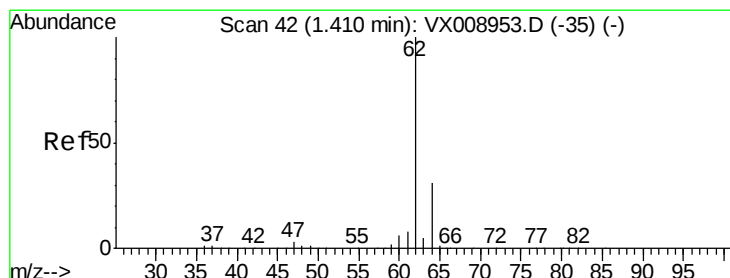
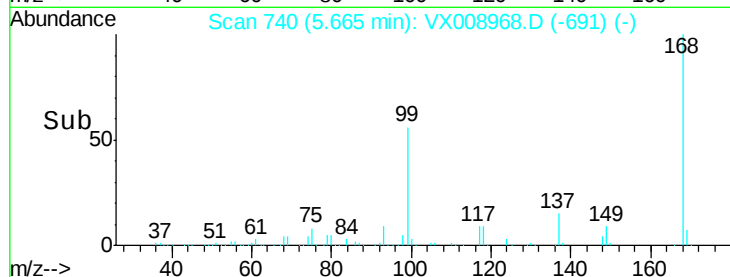
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 1.292 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX008968.D

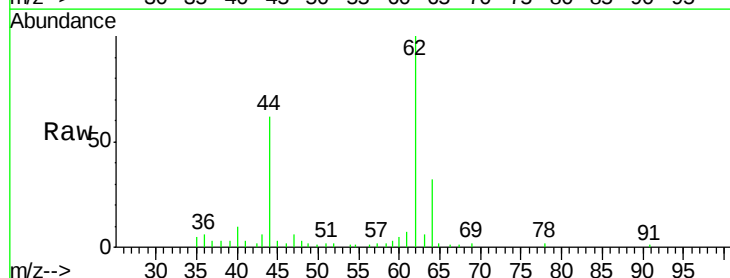
Acq: 15 Apr 2019 18:19

Tgt Ion: 62 Resp: 4759

Ion Ratio Lower Upper

62 100

64 30.9 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

5000

4000

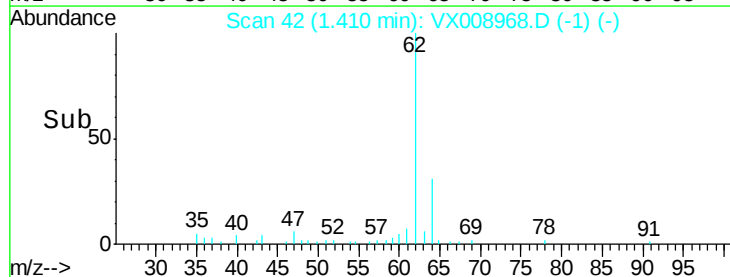
3000

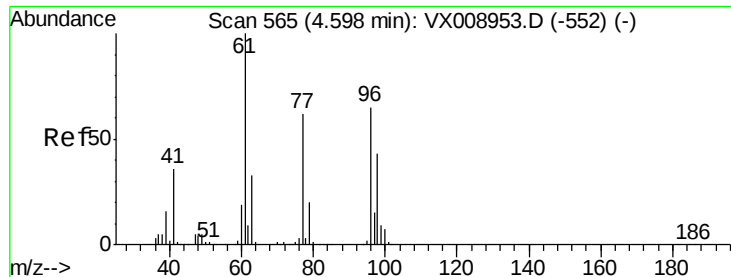
2000

1000

0

Time--> 1.35 1.40 1.45



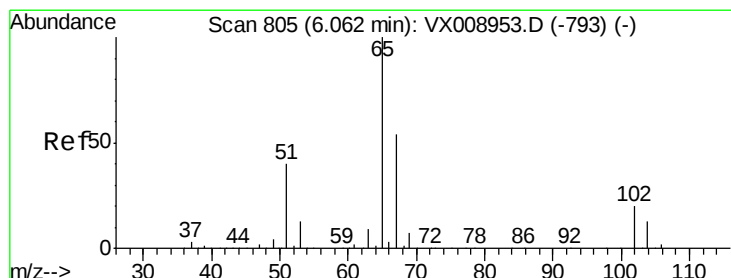
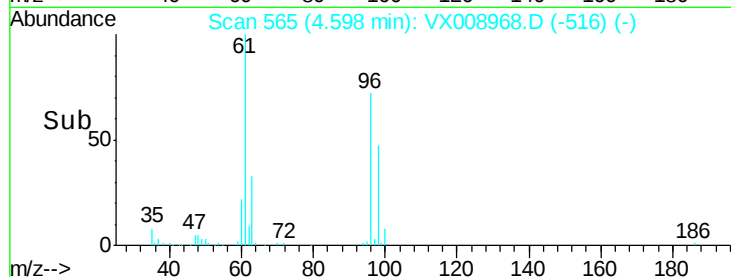
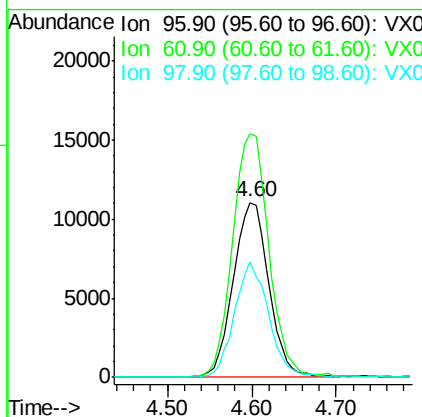
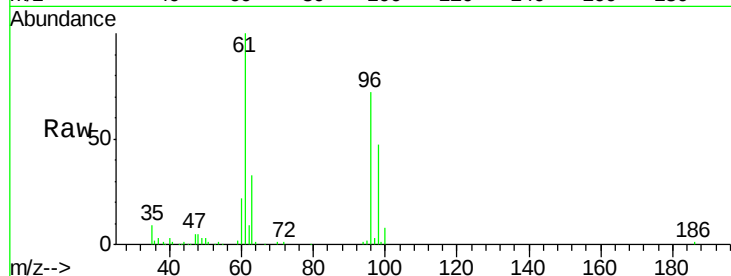


#27

cis-1,2-Dichloroethene  
 Concen: 9.077 ug/l  
 RT: 4.60 min Scan# 565  
 Delta R.T. -0.00 min  
 Lab File: VX008968.D  
 Acq: 15 Apr 2019 18:19

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS042MW132-190411

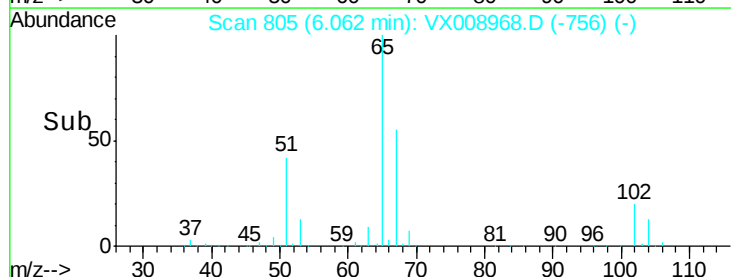
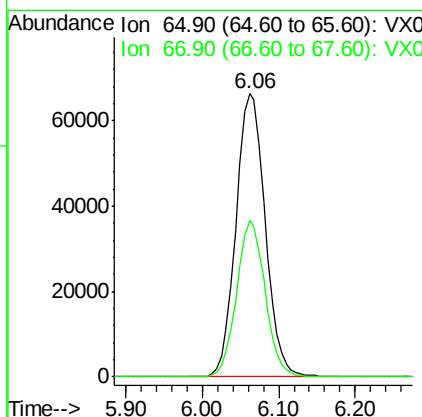
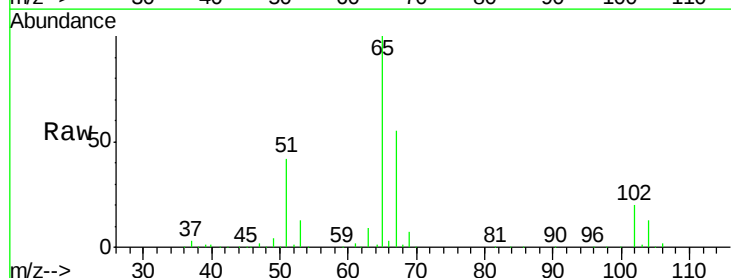
| Tot Ion | 96    | Resp  | 31547 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 96      | 100   |       |       |
| 61      | 141.6 | 0.0   | 322.0 |
| 98      | 63.3  | 0.0   | 128.4 |

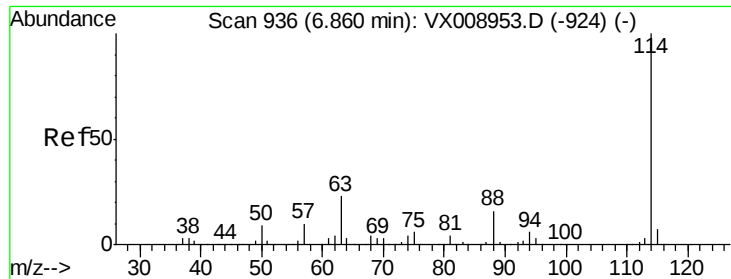


#33

1,2-Dichloroethane-d4  
 Concen: 46.708 ug/l  
 RT: 6.06 min Scan# 805  
 Delta R.T. -0.00 min  
 Lab File: VX008968.D  
 Acq: 15 Apr 2019 18:19

| Tgt Ion | 65    | Resp  | 176156 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 65      | 100   |       |        |
| 67      | 53.9  | 0.0   | 108.6  |

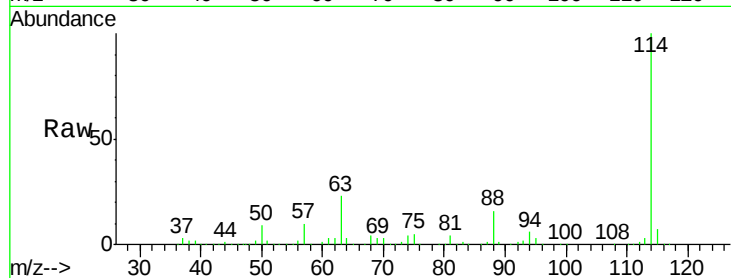




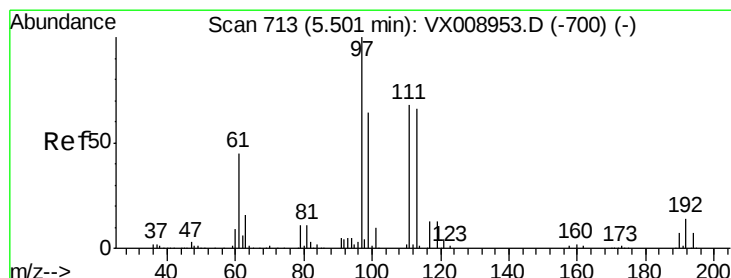
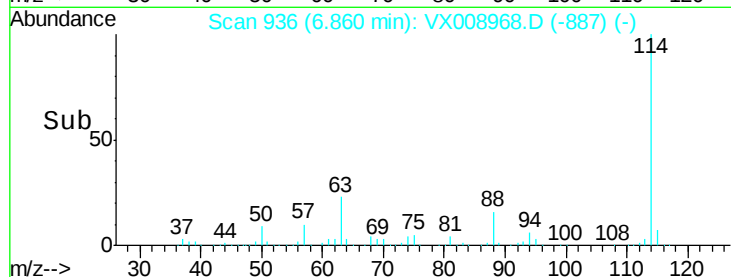
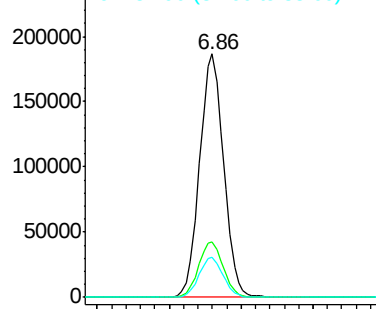
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. -0.00 min  
 Lab File: VX008968.D  
 Acq: 15 Apr 2019 18:19

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS042MW132-190411

Tot Ion:114 Resp: 434242  
 Ion Ratio Lower Upper  
 114 100  
 63 22.7 0.0 46.0  
 88 16.3 0.0 32.6

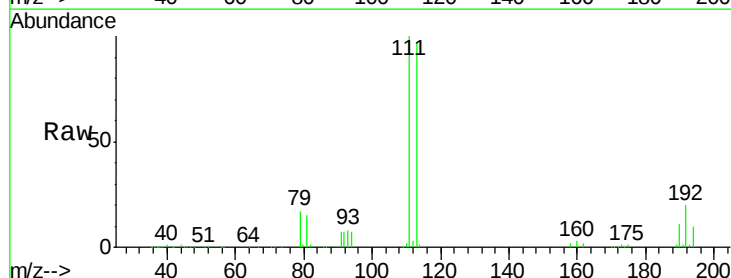


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VX0  
 Ion 87.90 (87.60 to 88.60): VX0

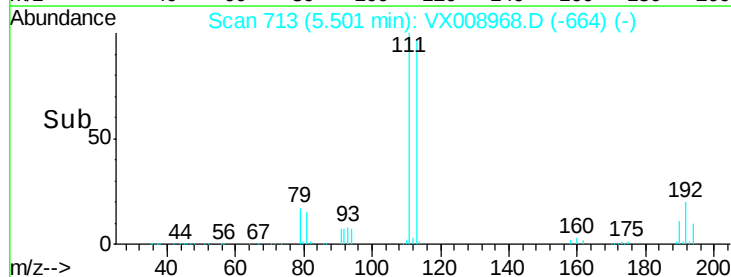
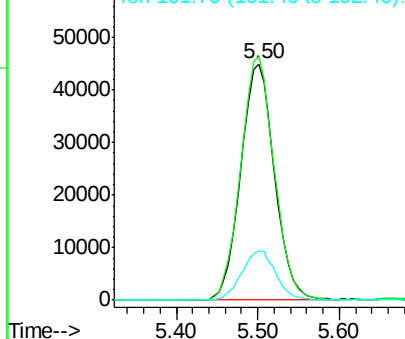


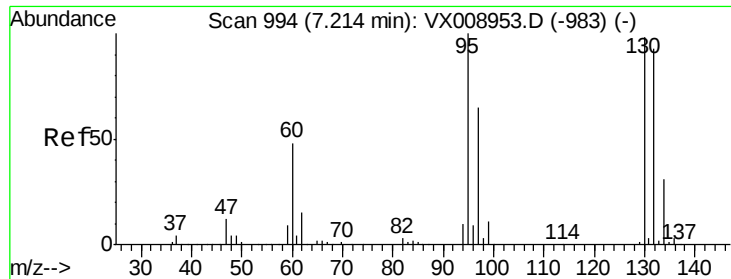
#35  
 Dibromofluoromethane  
 Concen: 46.452 ug/l  
 RT: 5.50 min Scan# 713  
 Delta R.T. -0.00 min  
 Lab File: VX008968.D  
 Acq: 15 Apr 2019 18:19

Tgt Ion:113 Resp: 129456  
 Ion Ratio Lower Upper  
 113 100  
 111 102.3 82.9 124.3  
 192 21.1 17.4 26.0



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

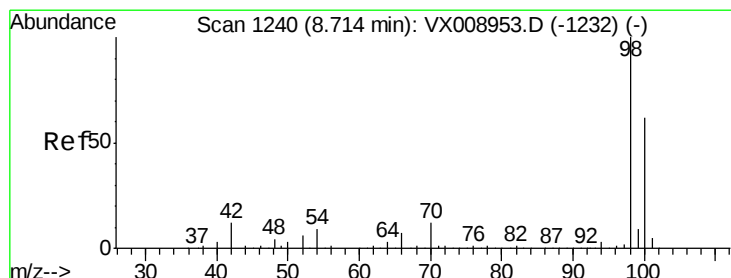
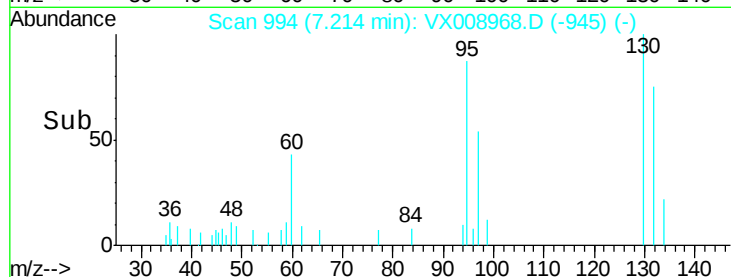
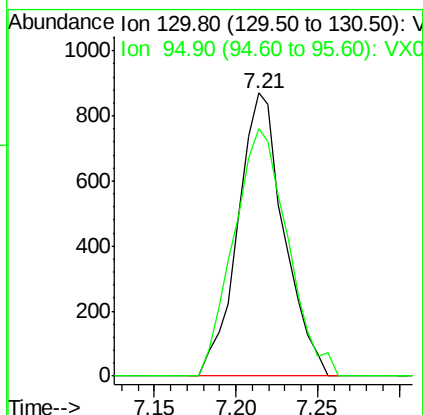
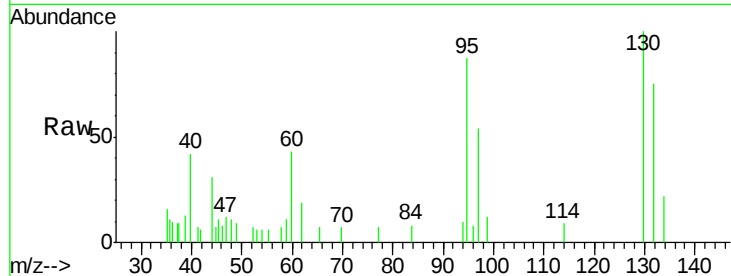




#44  
 Trichloroethene  
 Concen: 0.530 ug/l  
 RT: 7.21 min Scan# 994  
 Delta R.T. -0.00 min  
 Lab File: VX008968.D  
 Acq: 15 Apr 2019 18:19

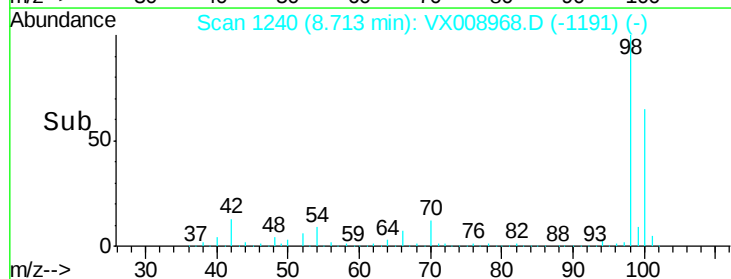
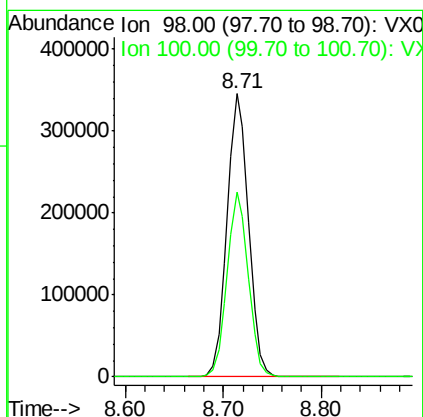
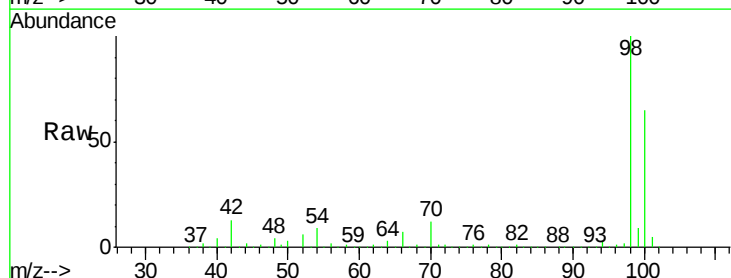
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS042MW132-190411

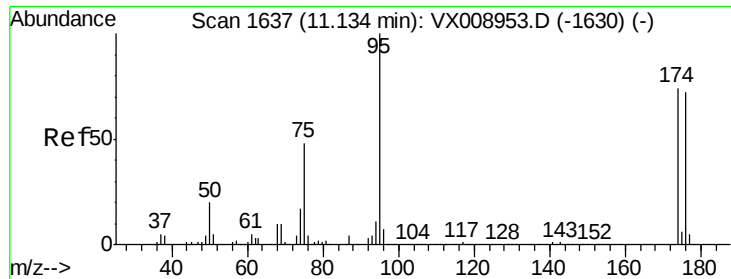
Tot Ion:130 Resp: 1719  
 Ion Ratio Lower Upper  
 130 100  
 95 87.4 0.0 203.2



#50  
 Toluene-d8  
 Concen: 47.421 ug/l  
 RT: 8.71 min Scan# 1240  
 Delta R.T. -0.00 min  
 Lab File: VX008968.D  
 Acq: 15 Apr 2019 18:19

Tgt Ion: 98 Resp: 527048  
 Ion Ratio Lower Upper  
 98 100  
 100 64.5 51.4 77.2





#62

4-Bromofluorobenzene

Concen: 43.849 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008968.D

Acq: 15 Apr 2019 18:19

Instrument :

MSVOA\_X

ClientSampleId :

SS042MW132-190411

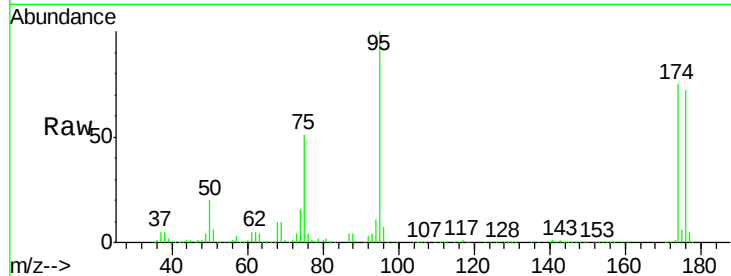
Tot Ion: 95 Resp: 172035

Ion Ratio Lower Upper

95 100

174 78.7 0.0 159.6

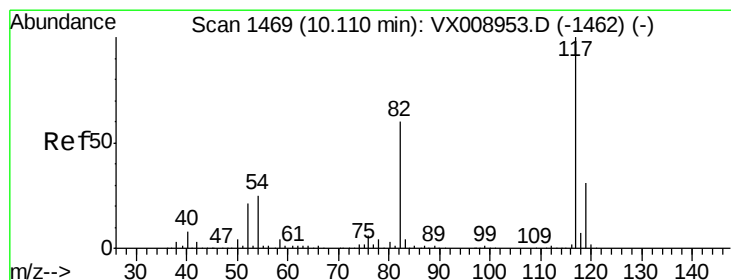
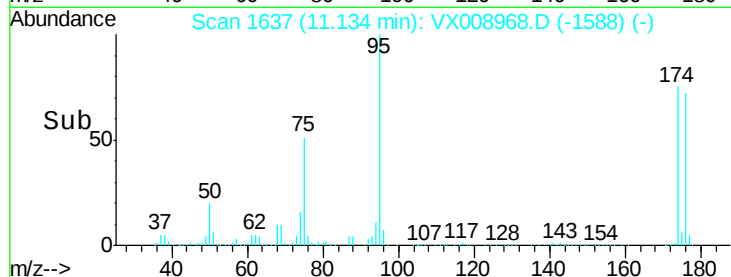
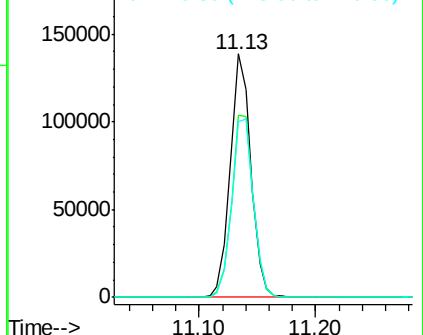
176 77.2 0.0 154.8



Abundance Ion 94.90 (94.60 to 95.60): VX008953.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX008953.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX008953.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX008968.D

Acq: 15 Apr 2019 18:19

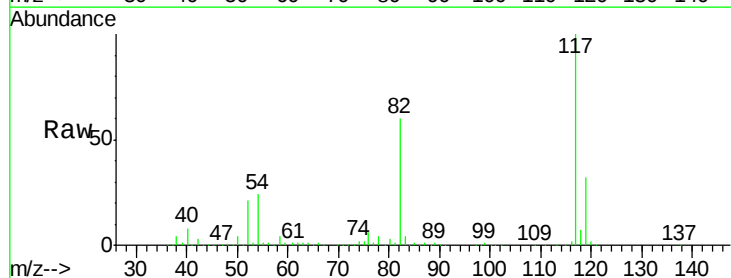
Tgt Ion: 117 Resp: 365508

Ion Ratio Lower Upper

117 100

82 60.4 48.2 72.4

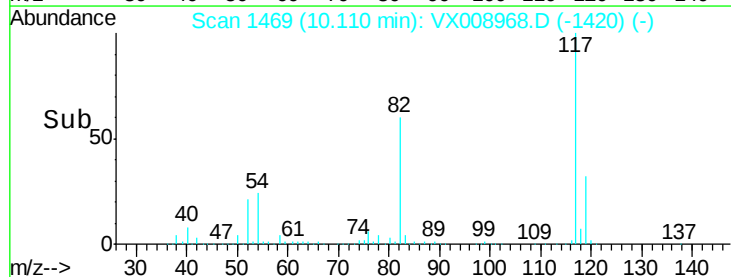
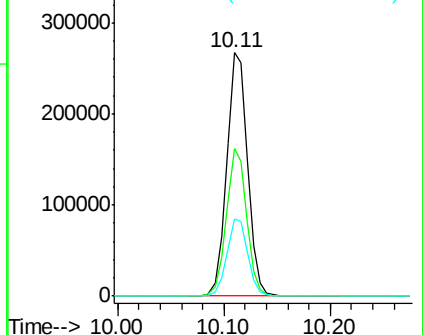
119 31.7 25.0 37.6

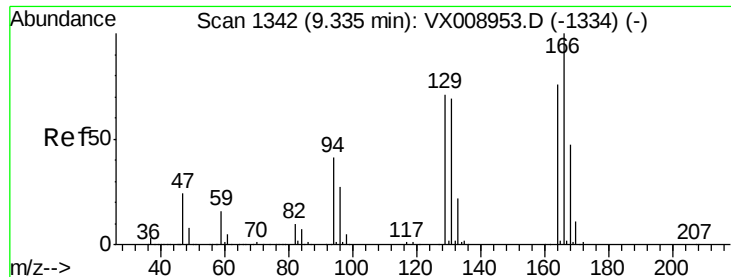


Abundance Ion 116.90 (116.60 to 117.60): VX008953.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX008953.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX008953.D (-1462) (-)





#64

Tetrachloroethene

Concen: 1.351 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX008968.D

Acq: 15 Apr 2019 18:19

Instrument :

MSVOA\_X

ClientSampleId :

SS042MW132-190411

Tot Ion:164 Resp: 3750

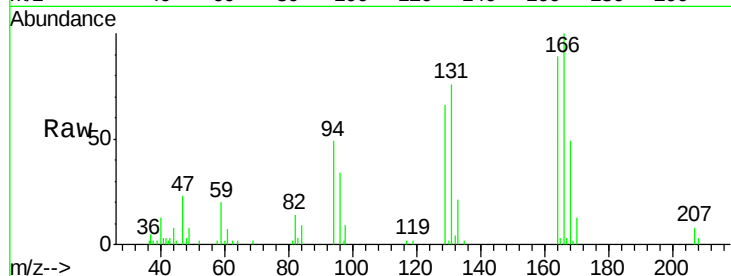
Ion Ratio Lower Upper

164 100

166 112.3 105.0 157.4

129 73.7 74.2 111.4#

131 84.9 72.2 108.2

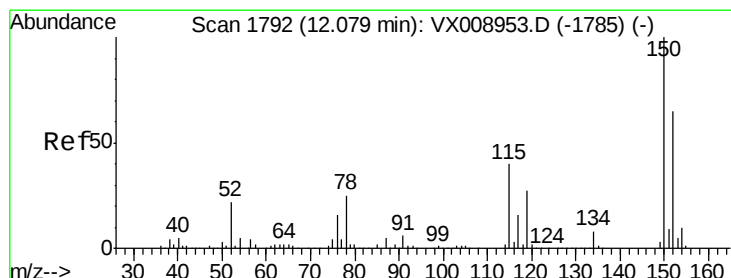
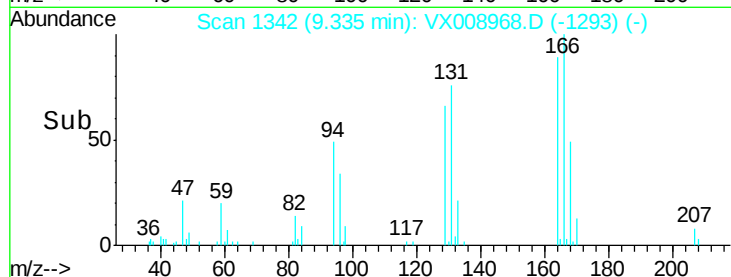
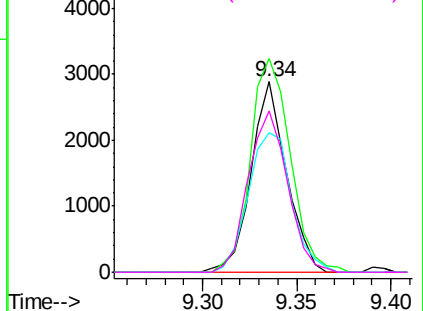


Abundance Ion 163.80 (163.50 to 164.50): V

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: VX008968.D

Acq: 15 Apr 2019 18:19

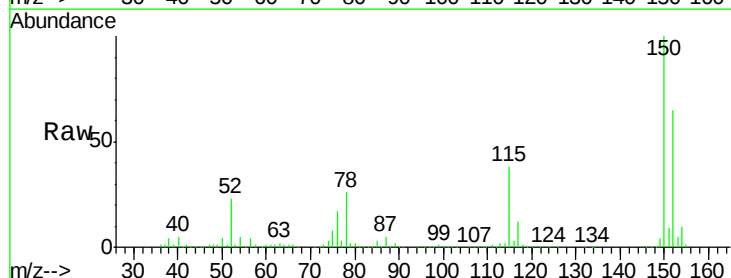
Tgt Ion:152 Resp: 150923

Ion Ratio Lower Upper

152 100

115 59.7 41.4 124.2

150 157.2 0.0 349.8



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

