

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX041919\  
 Data File : VX009066.D  
 Acq On : 19 Apr 2019 13:33  
 Operator : JC/SP  
 Sample : K2449-11DL 4X  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ST008MW146-190416DL

Quant Time: Apr 20 01:17:33 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X041519W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 17 06:47:58 2019  
 Response via : Initial Calibration

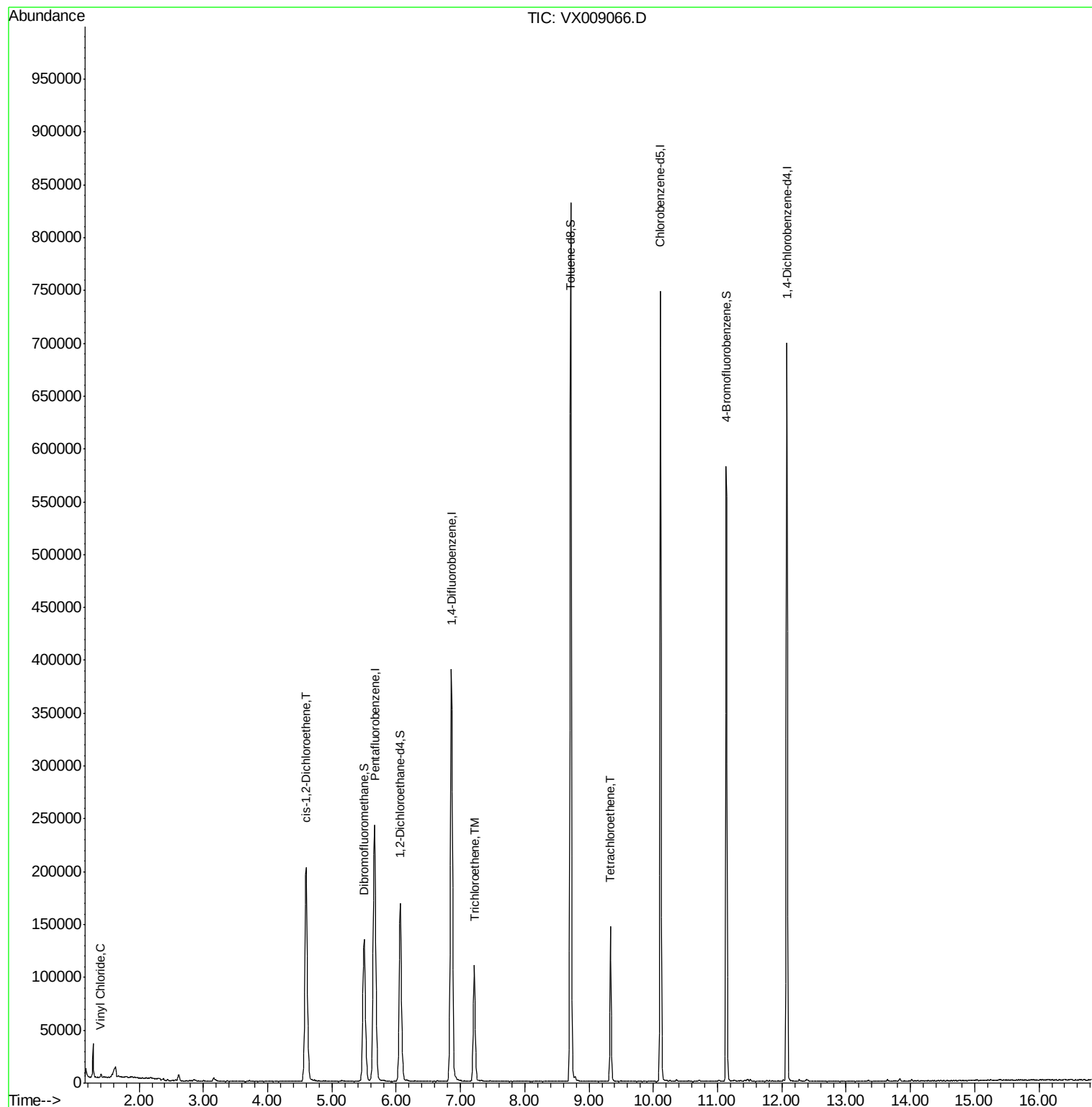
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 234474   | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 380791   | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 330641   | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 139127   | 50.00  | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 156854   | 47.47  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 94.94% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 116235   | 47.56  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 95.12% |          |
| 50) Toluene-d8              | 8.71  | 98   | 473765   | 48.61  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 97.22% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 155544   | 45.21  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 90.42% |          |
| Target Compounds            |       |      |          |        |        |          |
| 4) Vinyl Chloride           | 1.40  | 62   | 2305     | 0.714  | ug/l   | 90       |
| 27) cis-1,2-Dichloroethene  | 4.60  | 96   | 125236   | 41.128 | ug/l   | 92       |
| 44) Trichloroethene         | 7.21  | 130  | 40994    | 14.401 | ug/l   | 100      |
| 64) Tetrachloroethene       | 9.34  | 164  | 27330    | 10.881 | ug/l   | 97       |

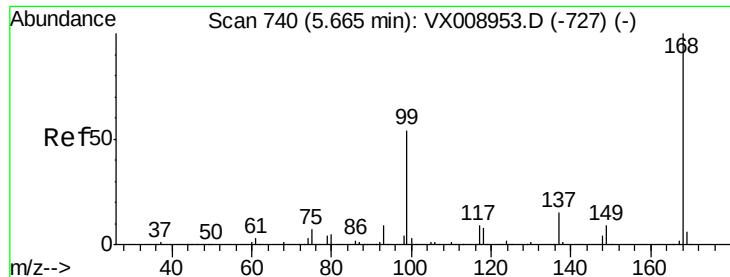
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Wed Apr 17 06:47:58 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: VX009066.D

Acq: 19 Apr 2019 13:33

Instrument :

MSVOA\_X

ClientSampleId :

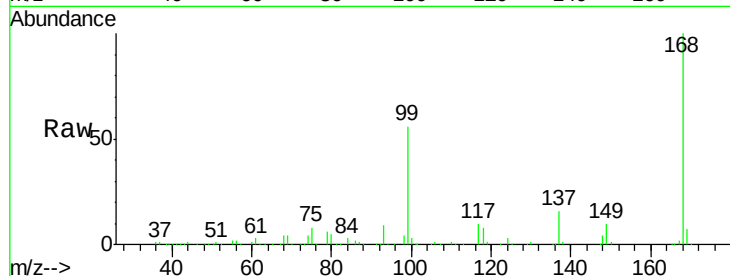
ST008MW146-190416DL

Tot Ion:168 Resp: 234474

Ion Ratio Lower Upper

168 100

99 55.8 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

80000

60000

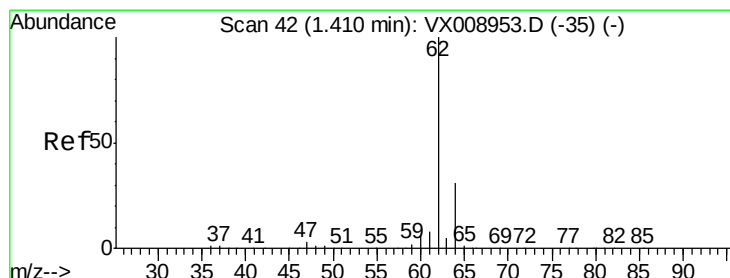
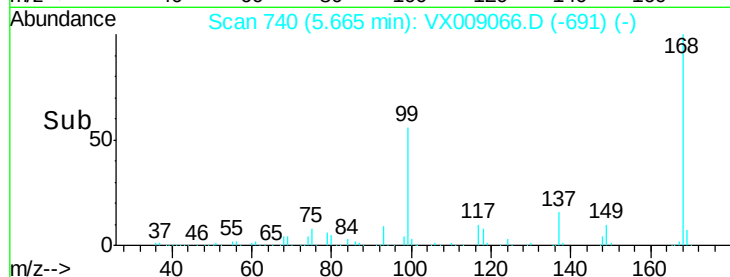
40000

20000

0

5.60 5.70 5.80

Time-->



#4

Vinyl Chloride

Concen: 0.714 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX009066.D

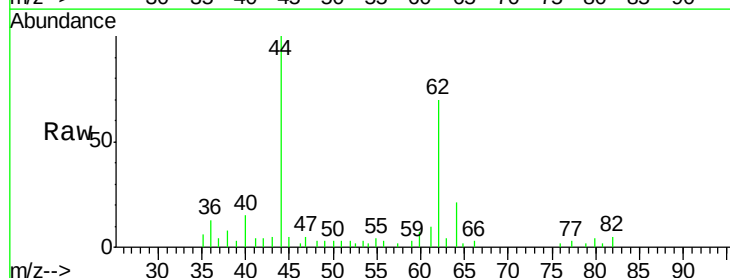
Acq: 19 Apr 2019 13:33

Tgt Ion: 62 Resp: 2305

Ion Ratio Lower Upper

62 100

64 26.0 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

2000

1500

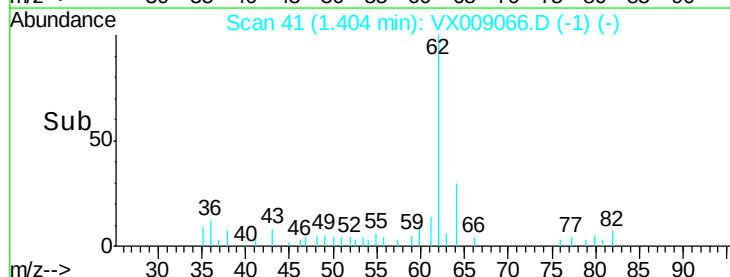
1000

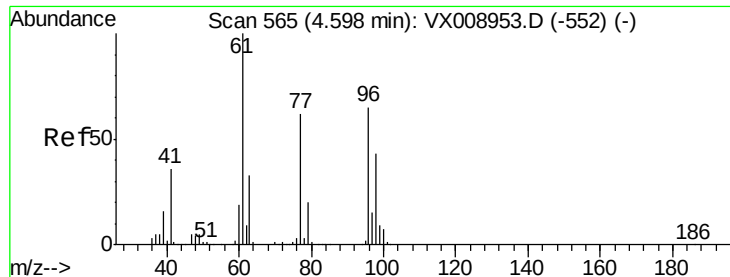
500

0

1.40 1.45

Time-->



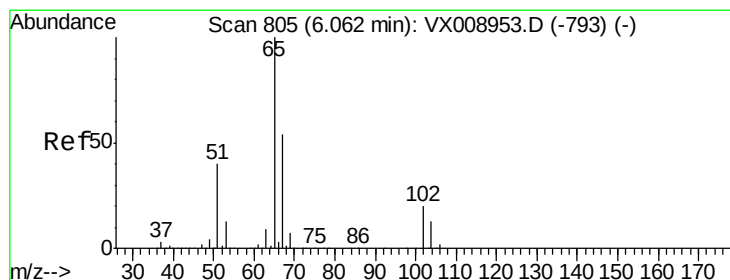
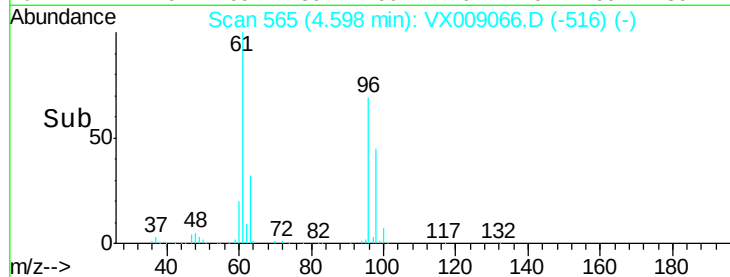
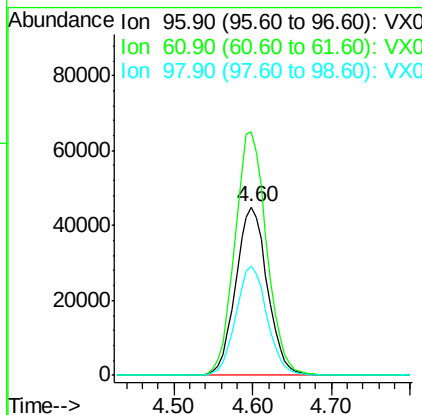
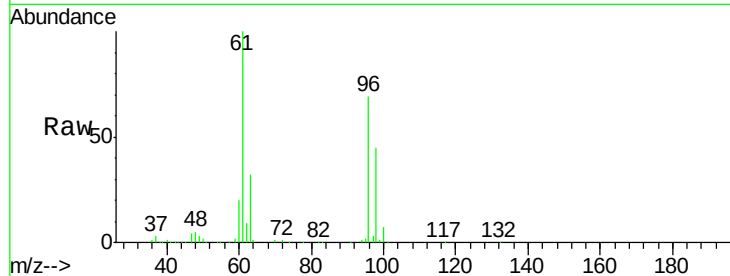


#27

cis-1,2-Dichloroethene  
 Concen: 41.128 ug/l  
 RT: 4.60 min Scan# 565  
 Delta R.T. -0.00 min  
 Lab File: VX009066.D  
 Acq: 19 Apr 2019 13:33

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ST008MW146-190416DL

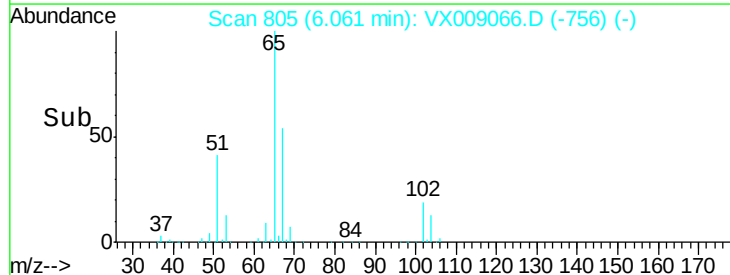
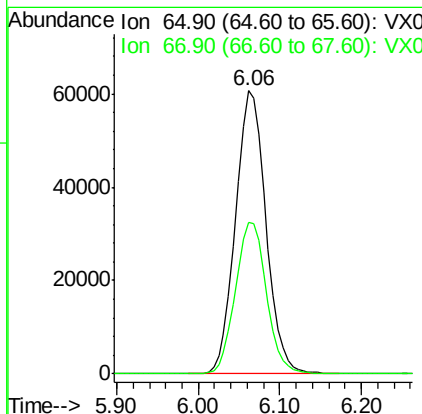
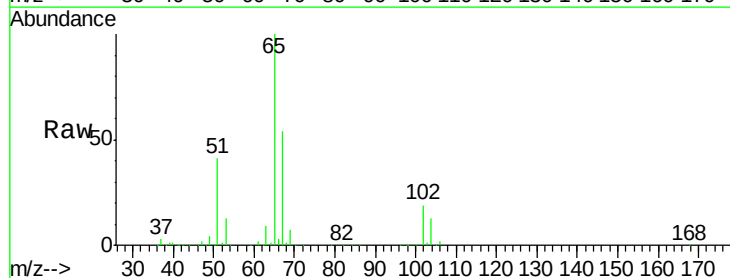
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 145.7 | 0.0   | 322.0 |
| 98      | 64.6  | 0.0   | 128.4 |

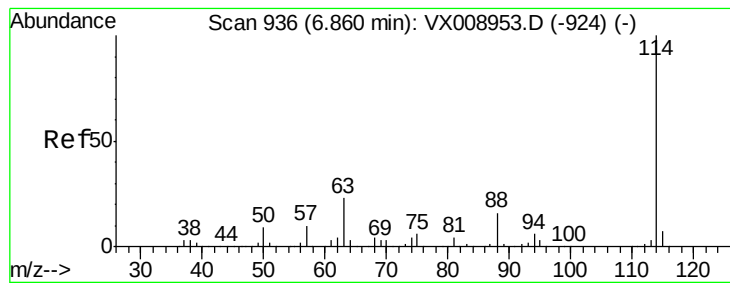


#33

1,2-Dichloroethane-d4  
 Concen: 47.468 ug/l  
 RT: 6.06 min Scan# 805  
 Delta R.T. -0.00 min  
 Lab File: VX009066.D  
 Acq: 19 Apr 2019 13:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 54.4  | 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: VX009066.D

Acq: 19 Apr 2019 13:33

Instrument :

MSVOA\_X

ClientSampleId :

ST008MW146-190416DL

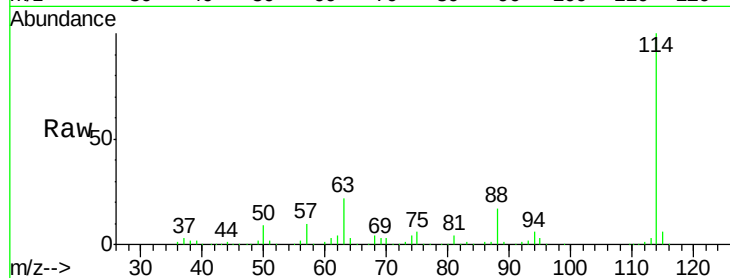
Tot Ion:114 Resp: 380791

Ion Ratio Lower Upper

114 100

63 22.4 0.0 46.0

88 16.6 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

200000

150000

100000

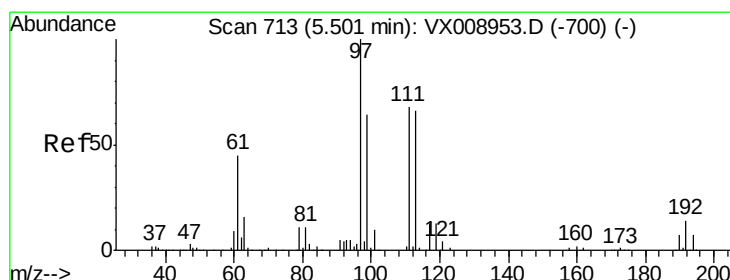
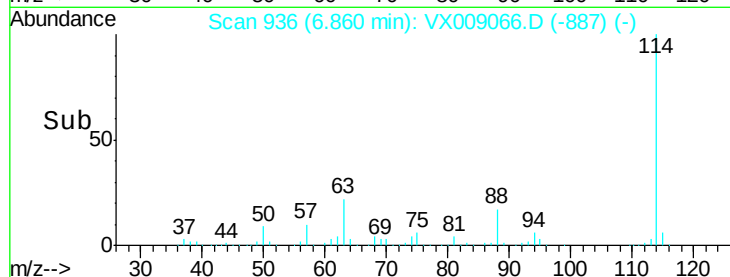
50000

0

6.86

6.70 6.80 6.90 7.00

Time-->



#35

Dibromofluoromethane

Concen: 47.563 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX009066.D

Acq: 19 Apr 2019 13:33

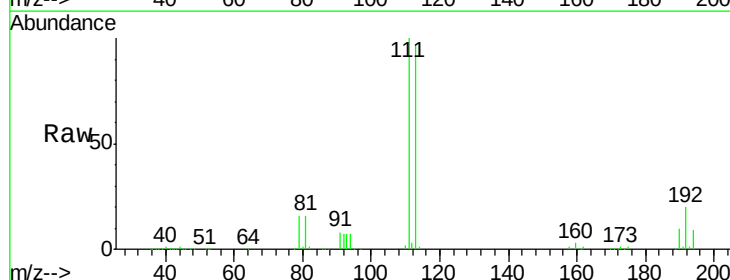
Tgt Ion:113 Resp: 116235

Ion Ratio Lower Upper

113 100

111 101.9 82.9 124.3

192 20.7 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

50000

40000

30000

20000

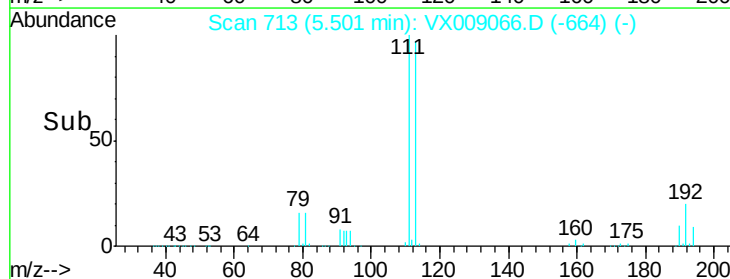
10000

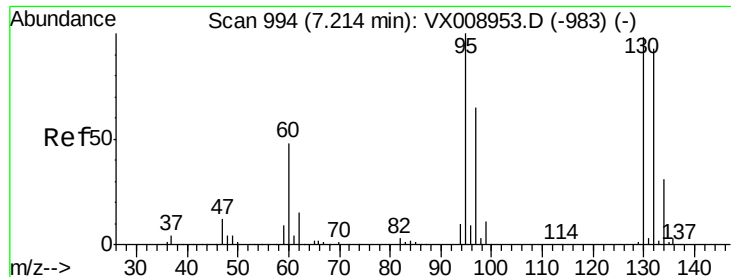
0

5.50

5.40 5.50 5.60

Time-->

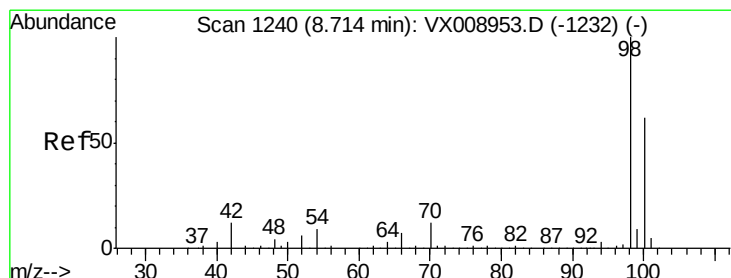
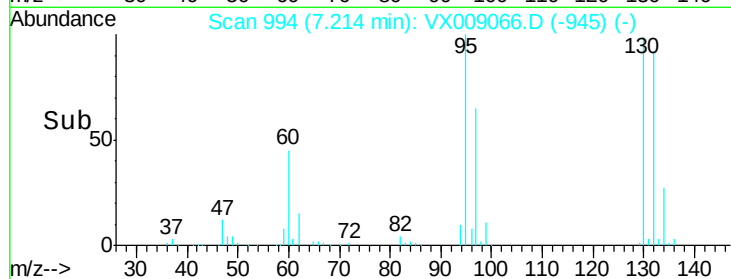
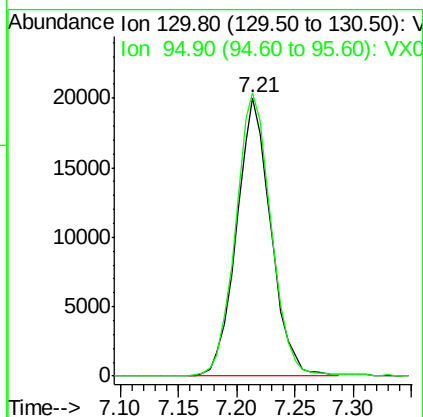
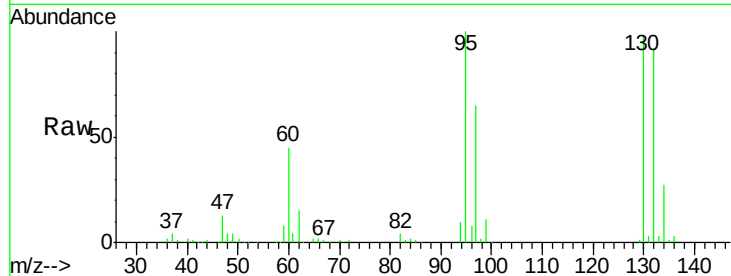




#44  
 Trichloroethene  
 Concen: 14.401 ug/l  
 RT: 7.21 min Scan# 994  
 Delta R.T. -0.00 min  
 Lab File: VX009066.D  
 Acq: 19 Apr 2019 13:33

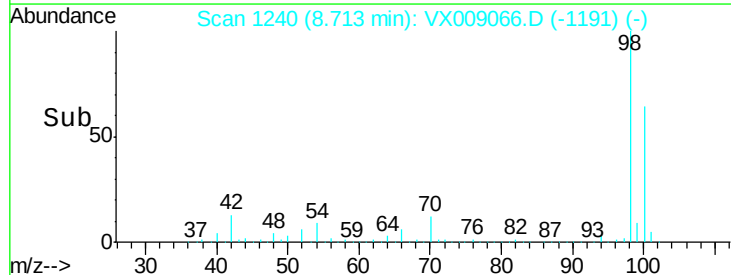
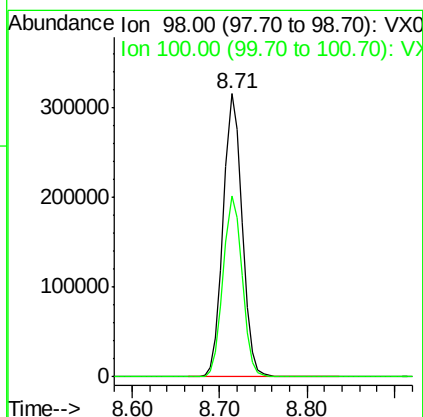
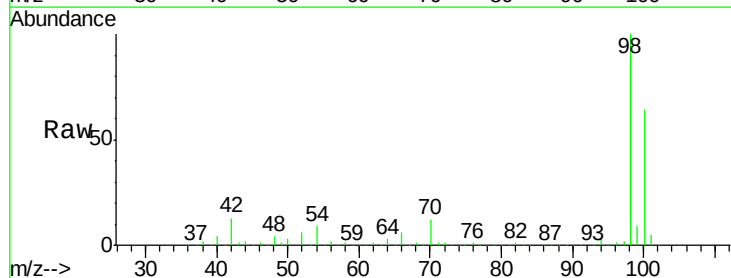
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ST008MW146-190416DL

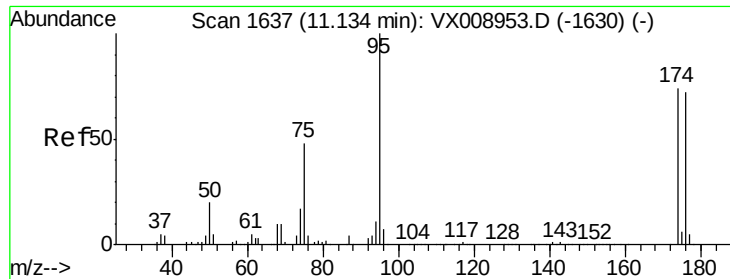
Tot Ion:130 Resp: 40994  
 Ion Ratio Lower Upper  
 130 100  
 95 101.3 0.0 203.2



#50  
 Toluene-d8  
 Concen: 48.611 ug/l  
 RT: 8.71 min Scan# 1240  
 Delta R.T. -0.00 min  
 Lab File: VX009066.D  
 Acq: 19 Apr 2019 13:33

Tgt Ion: 98 Resp: 473765  
 Ion Ratio Lower Upper  
 98 100  
 100 64.4 51.4 77.2





#62

4-Bromofluorobenzene

Concen: 45.211 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009066.D

Acq: 19 Apr 2019 13:33

Instrument :

MSVOA\_X

ClientSampleId :

ST008MW146-190416DL

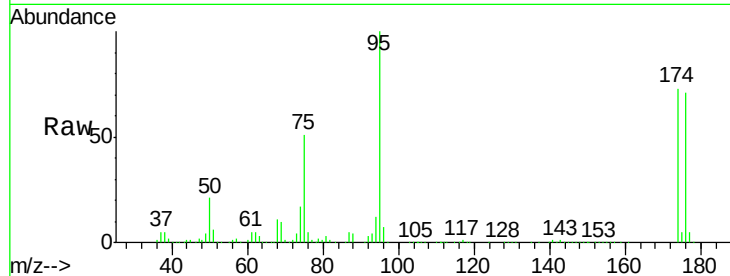
Tot Ion: 95 Resp: 155544

Ion Ratio Lower Upper

95 100

174 78.5 0.0 159.6

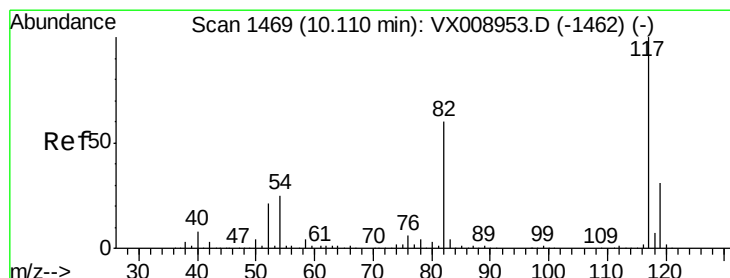
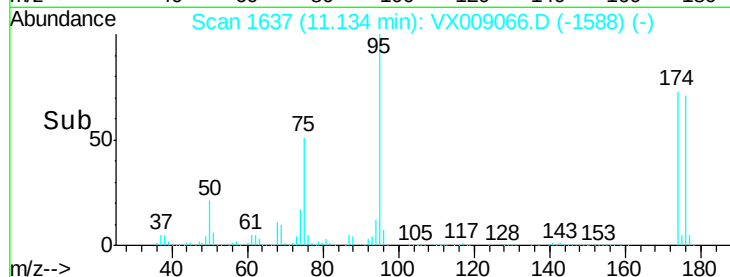
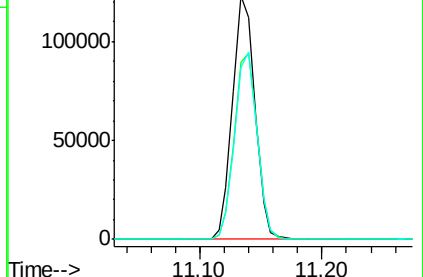
176 77.0 0.0 154.8



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: VX009066.D

Acq: 19 Apr 2019 13:33

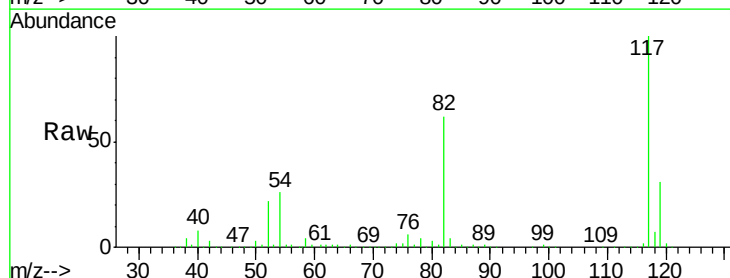
Tgt Ion: 117 Resp: 330641

Ion Ratio Lower Upper

117 100

82 61.7 48.2 72.4

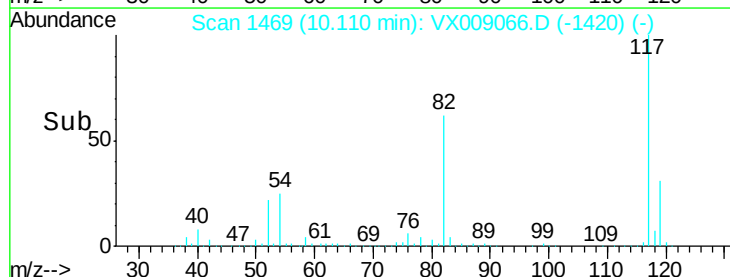
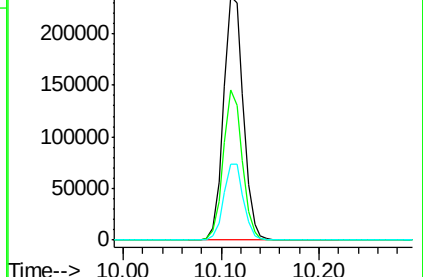
119 31.3 25.0 37.6

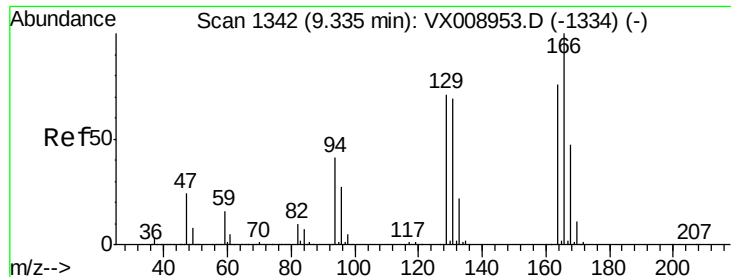


Abundance Ion 116.90 (116.60 to 117.60): VX008953.D (-1462) (-)

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: 10.881 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX009066.D

Acq: 19 Apr 2019 13:33

Instrument :

MSVOA\_X

ClientSampleId :

ST008MW146-190416DL

Tot Ion:164 Resp: 27330

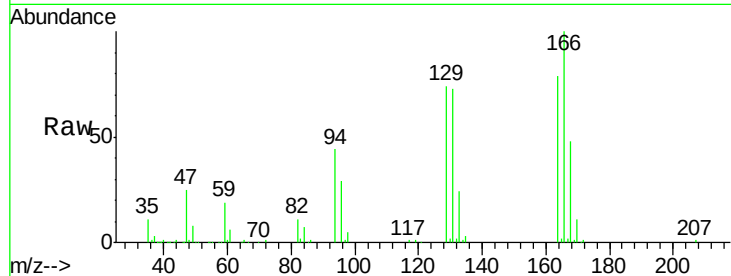
Ion Ratio Lower Upper

164 100

166 125.8 105.0 157.4

129 92.5 74.2 111.4

131 91.9 72.2 108.2

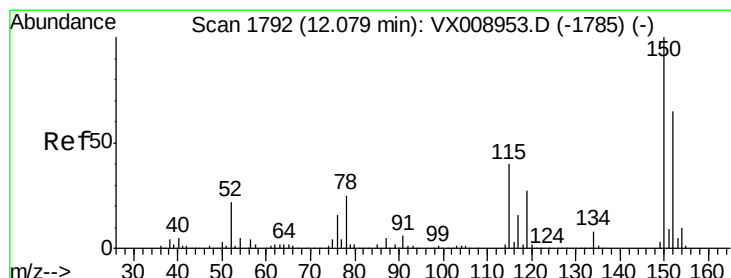
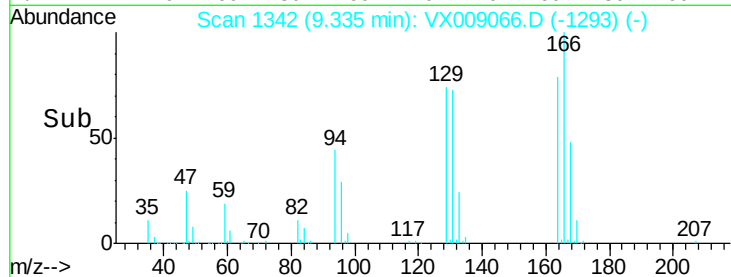
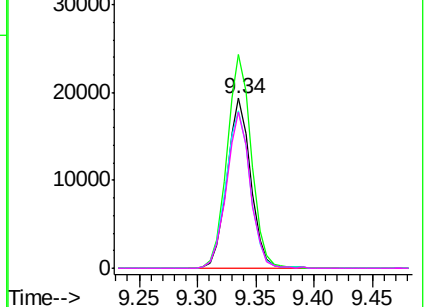


Abundance Ion 163.80 (163.50 to 164.50): V

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: VX009066.D

Acq: 19 Apr 2019 13:33

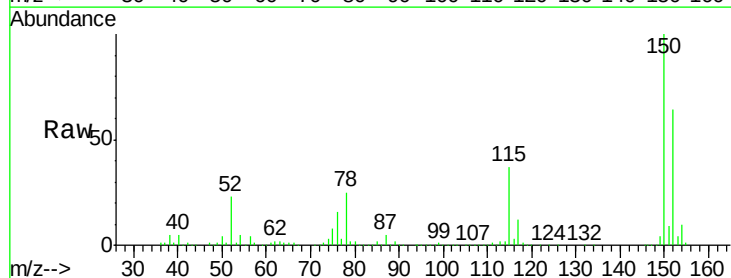
Tgt Ion:152 Resp: 139127

Ion Ratio Lower Upper

152 100

115 58.8 41.4 124.2

150 156.0 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

