

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041019\  
 Data File : VX008816.D  
 Acq On : 10 Apr 2019 19:26  
 Operator : JC/SP  
 Sample : K2295-09  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ST008MW214-190403

Quant Time: Apr 11 08:02:25 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

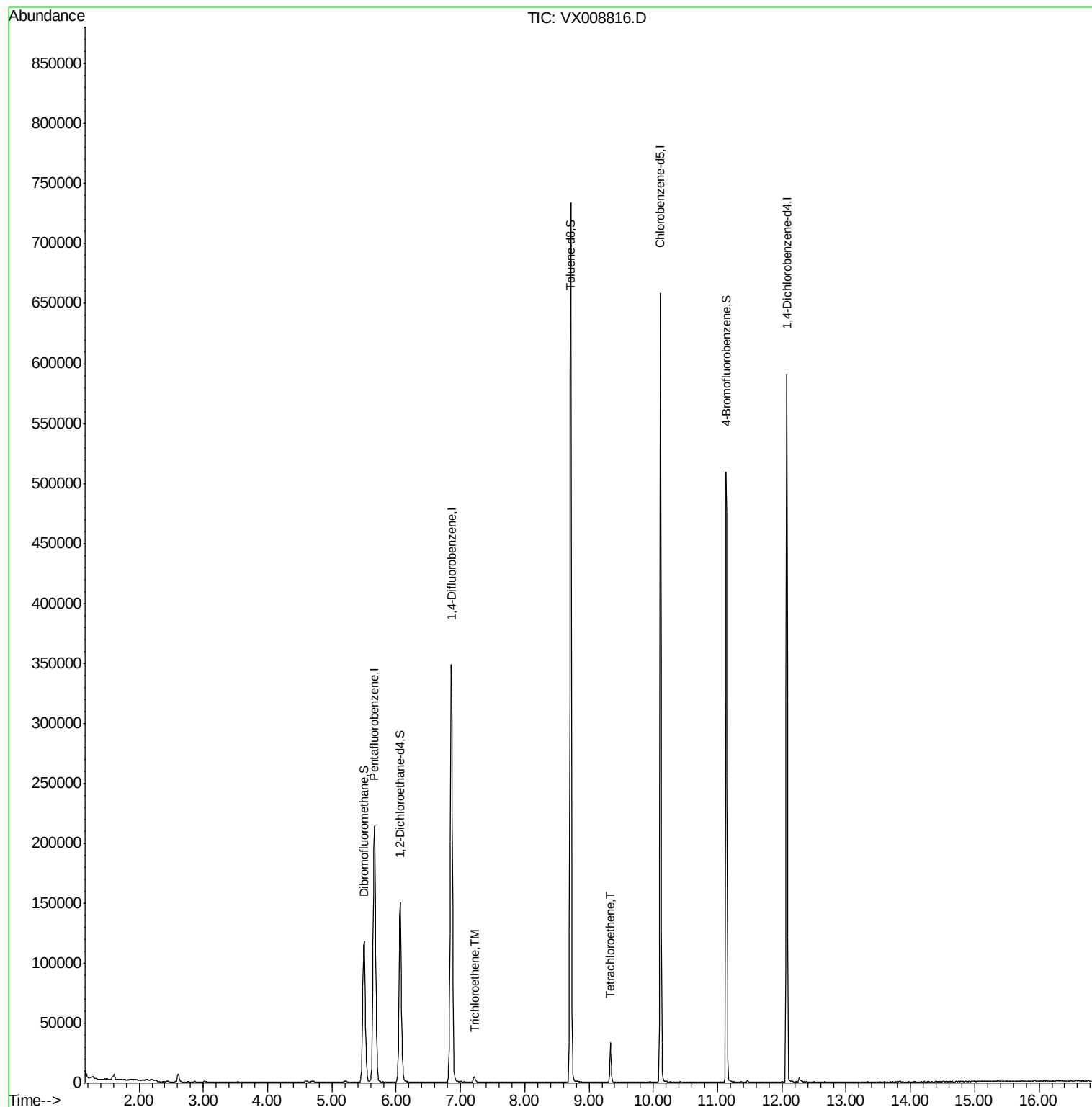
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 207221   | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 336060   | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 288704   | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 122229   | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 140100   | 46.35 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 92.70% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 102054   | 47.50 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 95.00% |          |
| 50) Toluene-d8              | 8.71  | 98   | 422632   | 49.40 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.80% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 138614   | 45.69 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 91.38% |          |
| Target Compounds            |       |      |          |       |        |          |
| 44) Trichloroethene         | 7.21  | 130  | 1603     | 0.629 | ug/l   | 73       |
| 64) Tetrachloroethene       | 9.34  | 164  | 6130     | 2.866 | ug/l   | 97       |

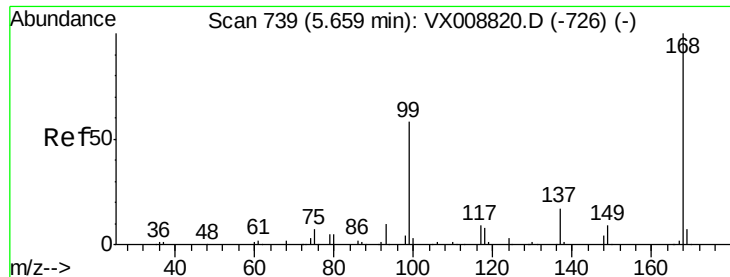
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X040319W.M  
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QLast Update : Thu Apr 04 04:47:41 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX008816.D

Acq: 10 Apr 2019 19:26

Instrument :

MSVOA\_X

ClientSampleId :

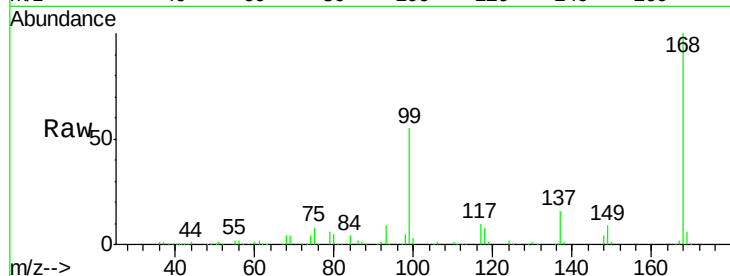
ST008MW214-190403

Tot Ion:168 Resp: 207221

Ion Ratio Lower Upper

168 100

99 54.7 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

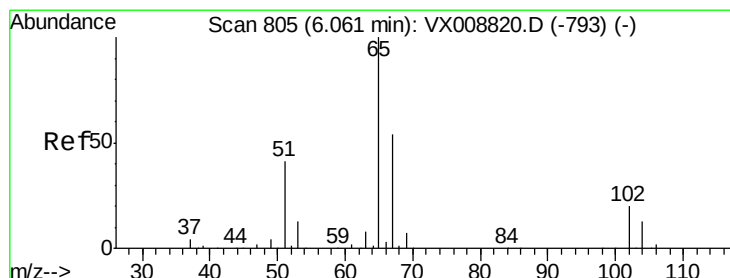
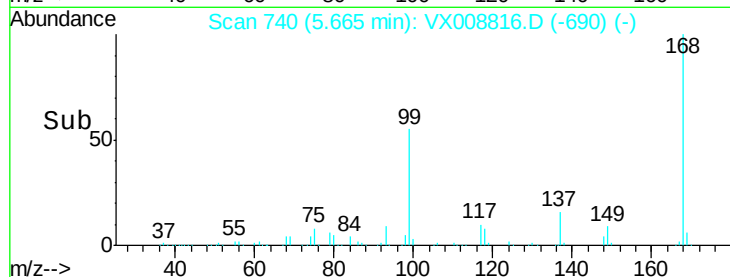
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#33

1,2-Dichloroethane-d4

Concen: 46.353 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008816.D

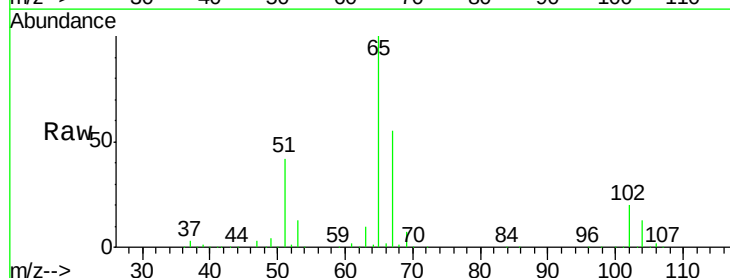
Acq: 10 Apr 2019 19:26

Tgt Ion: 65 Resp: 140100

Ion Ratio Lower Upper

65 100

67 53.6 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

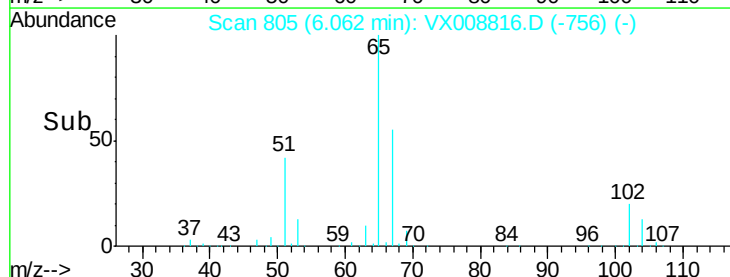
30000

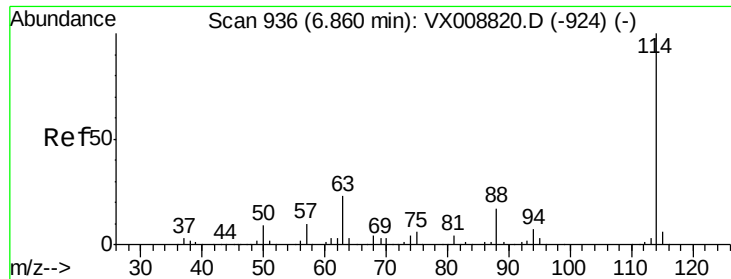
20000

10000

0

Time--> 5.90 6.00 6.10 6.20

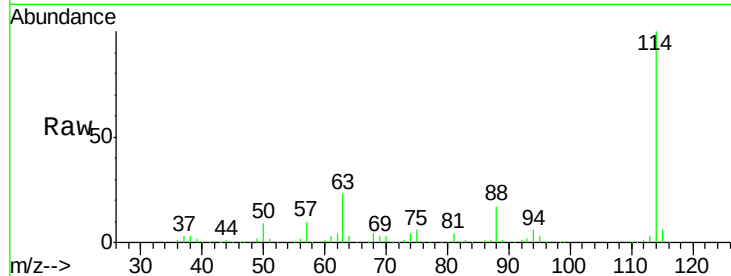




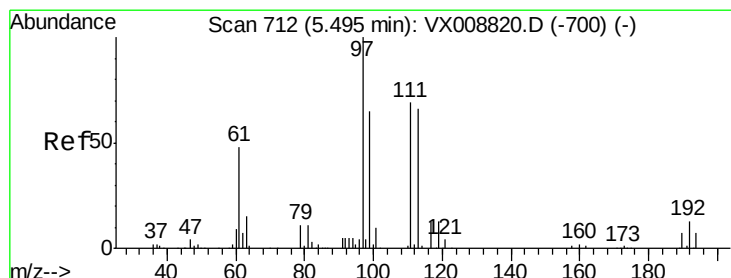
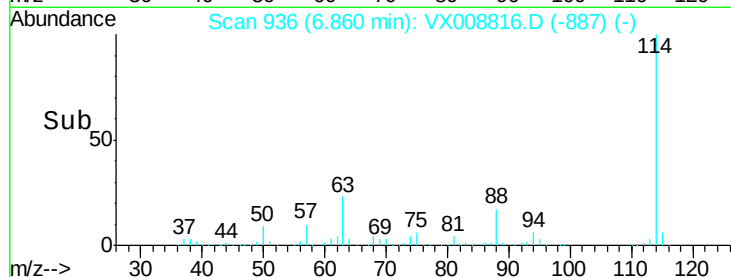
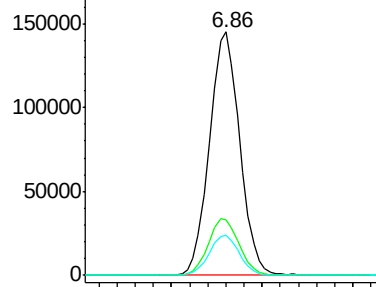
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. -0.00 min  
 Lab File: VX008816.D  
 Acq: 10 Apr 2019 19:26

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ST008MW214-190403

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 23.0  | 0.0   | 47.2  |
| 88      | 16.5  | 0.0   | 34.0  |

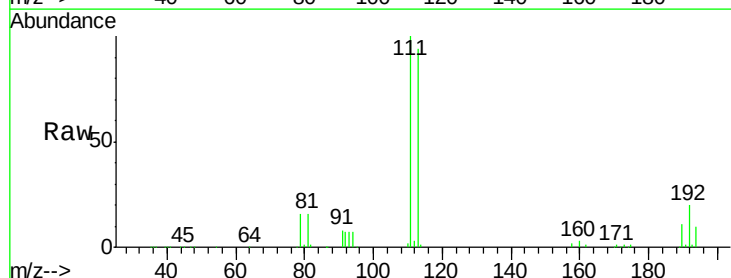


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VX0  
 Ion 87.90 (87.60 to 88.60): VX0

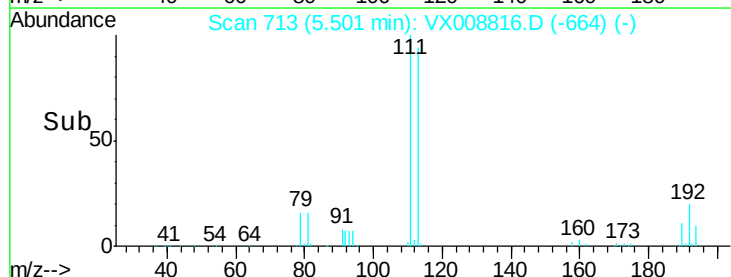
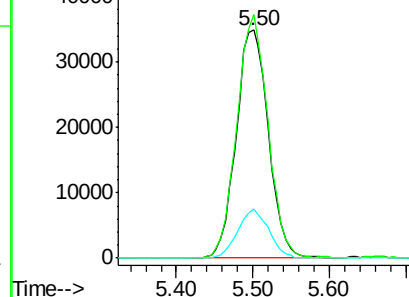


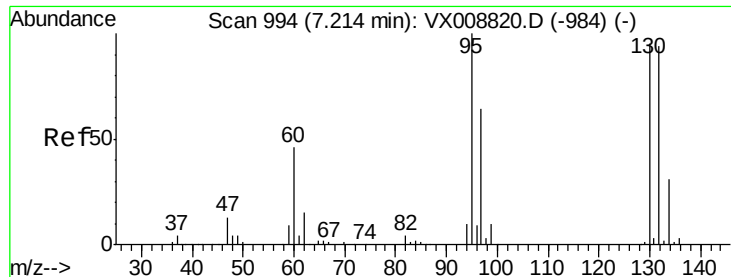
#35  
 Dibromofluoromethane  
 Concen: 47.497 ug/l  
 RT: 5.50 min Scan# 713  
 Delta R.T. -0.00 min  
 Lab File: VX008816.D  
 Acq: 10 Apr 2019 19:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.9 | 83.4  | 125.2 |
| 192     | 20.7  | 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: 0.629 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX008816.D

Acq: 10 Apr 2019 19:26

Instrument :

MSVOA\_X

ClientSampleId :

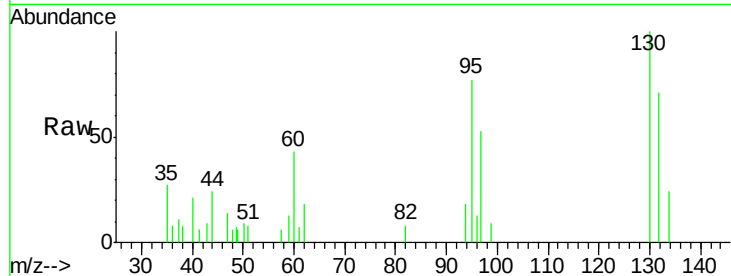
ST008MW214-190403

Tot Ion:130 Resp: 1603

Ion Ratio Lower Upper

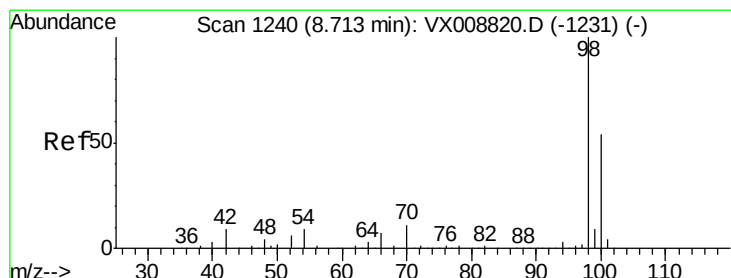
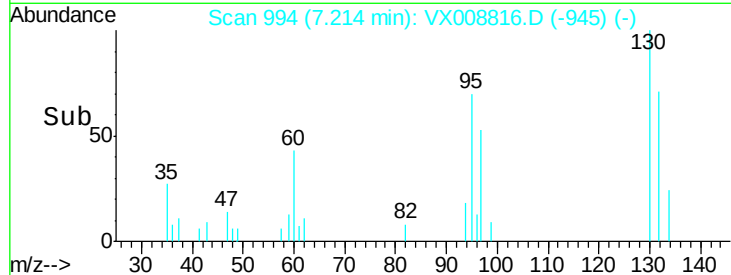
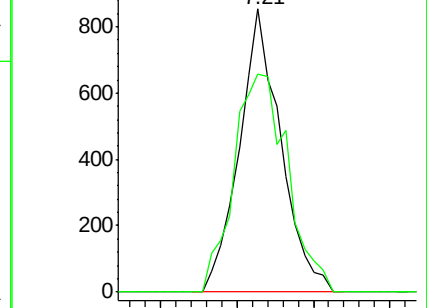
130 100

95 77.0 0.0 209.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 49.400 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008816.D

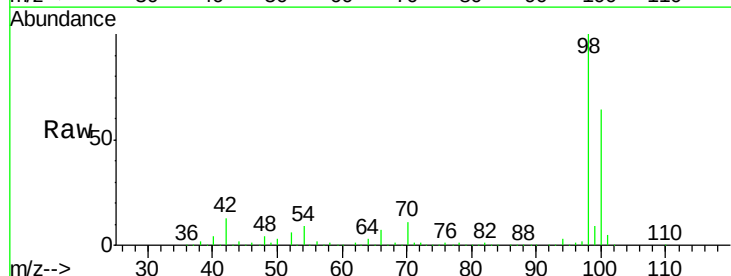
Acq: 10 Apr 2019 19:26

Tgt Ion: 98 Resp: 422632

Ion Ratio Lower Upper

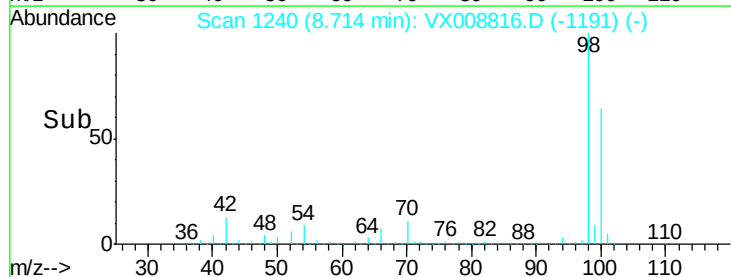
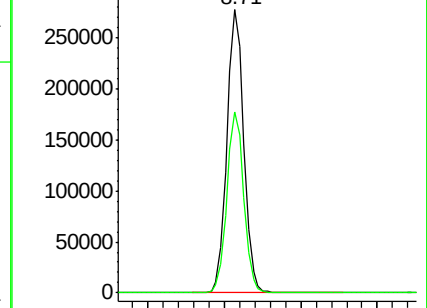
98 100

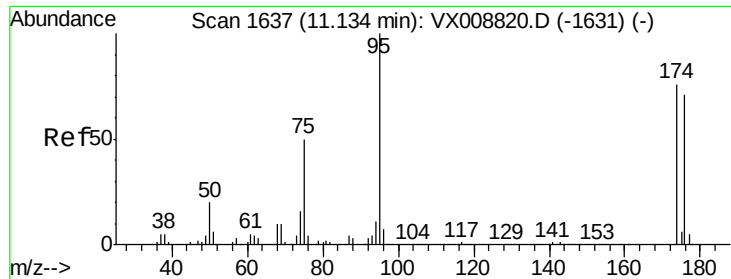
100 64.2 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 45.689 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008816.D

Acq: 10 Apr 2019 19:26

Instrument :

MSVOA\_X

ClientSampleId :

ST008MW214-190403

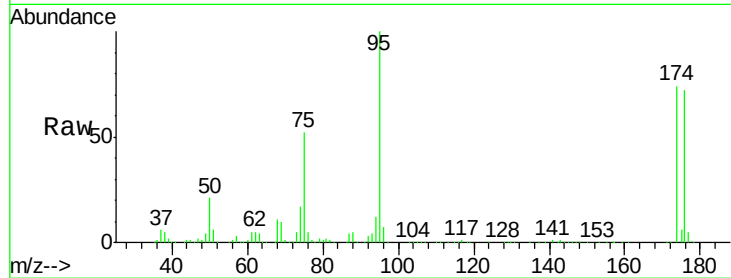
Tot Ion: 95 Resp: 138614

Ion Ratio Lower Upper

95 100

174 78.1 0.0 151.8

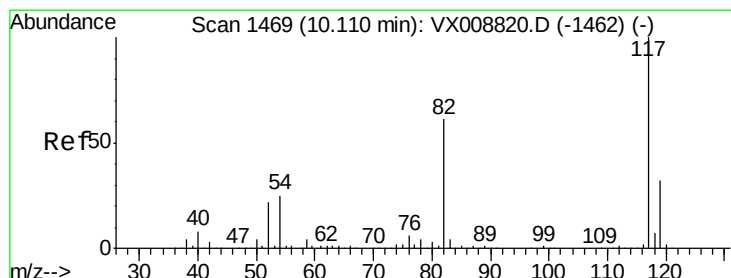
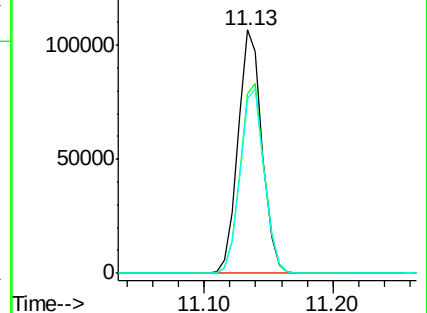
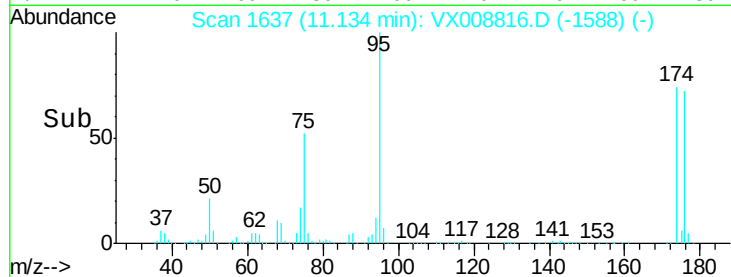
176 76.2 0.0 145.8



Abundance Ion 94.90 (94.60 to 95.60): VX008816.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX008816.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX008816.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX008816.D

Acq: 10 Apr 2019 19:26

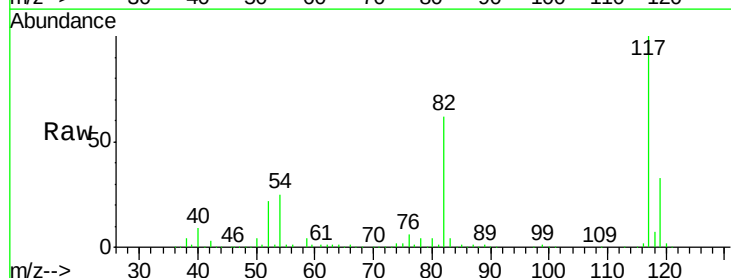
Tgt Ion: 117 Resp: 288704

Ion Ratio Lower Upper

117 100

82 61.9 49.6 74.4

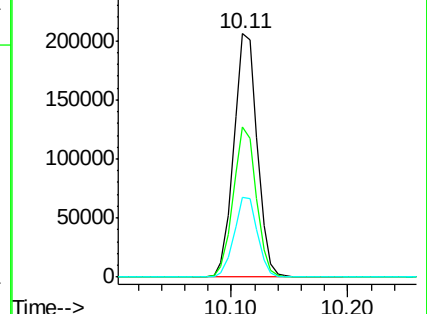
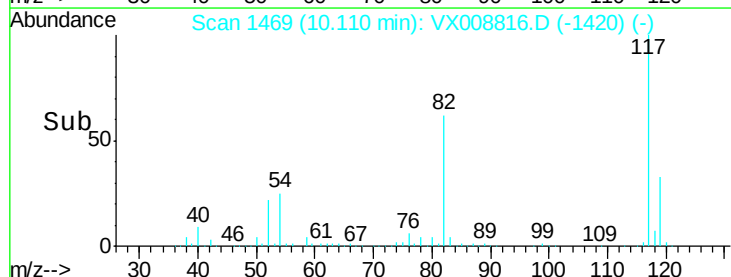
119 32.7 25.0 37.4

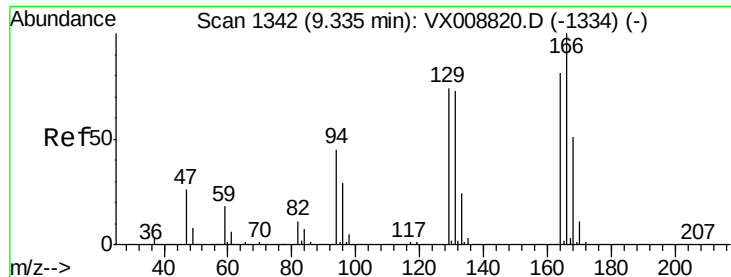


Abundance Ion 116.90 (116.60 to 117.60): VX008816.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX008816.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX008816.D (-1420) (-)

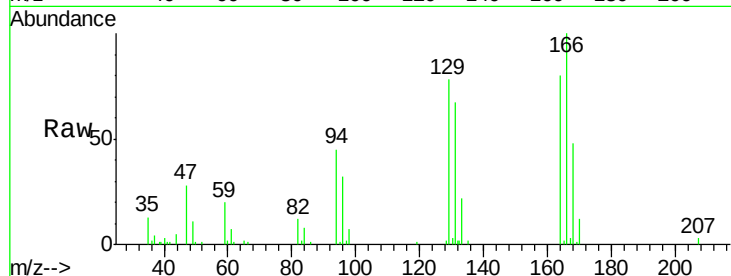




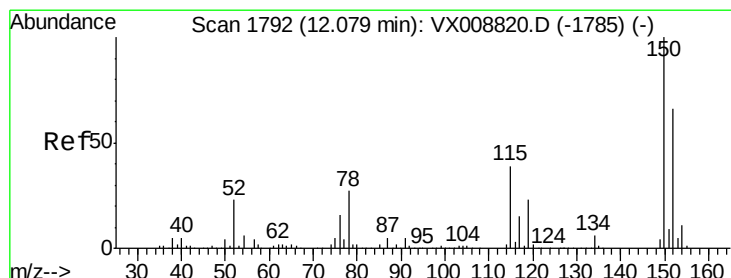
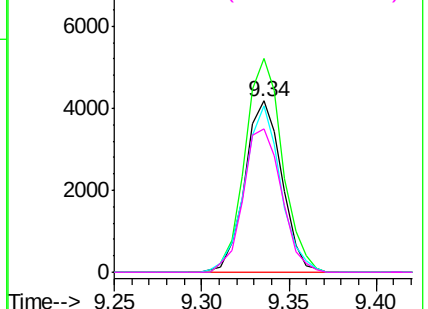
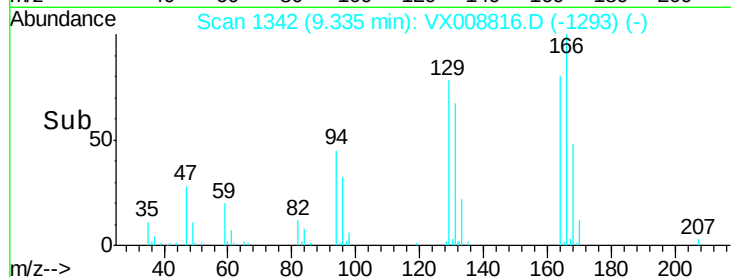
#64  
Tetrachloroethene  
Concen: 2.866 ug/l  
RT: 9.34 min Scan# 1342  
Delta R.T. -0.00 min  
Lab File: VX008816.D  
Acq: 10 Apr 2019 19:26

Instrument :  
MSVOA\_X  
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ST008MW214-190403

Tot Ion:164 Resp: 6130  
Ion Ratio Lower Upper  
164 100  
166 124.8 101.0 151.6  
129 97.0 75.8 113.8  
131 84.2 71.8 107.8

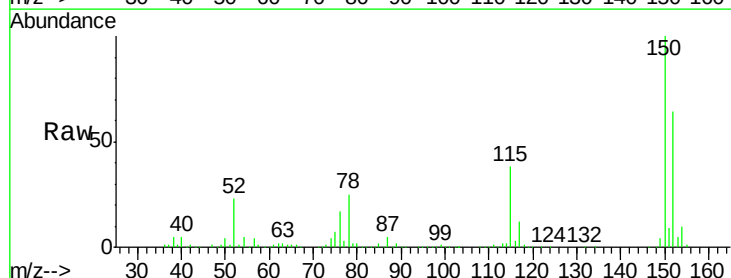


Abundance Ion 163.80 (163.50 to 164.50): V  
Ion 165.80 (165.50 to 166.50): V  
Ion 128.80 (128.50 to 129.50): V  
Ion 130.80 (130.50 to 131.50): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. -0.00 min  
Lab File: VX008816.D  
Acq: 10 Apr 2019 19:26

Tgt Ion:152 Resp: 122229  
Ion Ratio Lower Upper  
152 100  
115 60.2 43.5 130.5  
150 156.8 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

