

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092718\  
 Data File : VX004775.D  
 Acq On : 27 Sep 2018 15:43  
 Operator : JC/MD  
 Sample : J5048-14  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-123-SEP18

Quant Time: Sep 28 12:57:10 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X092618W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 26 14:17:02 2018  
 Response via : Initial Calibration

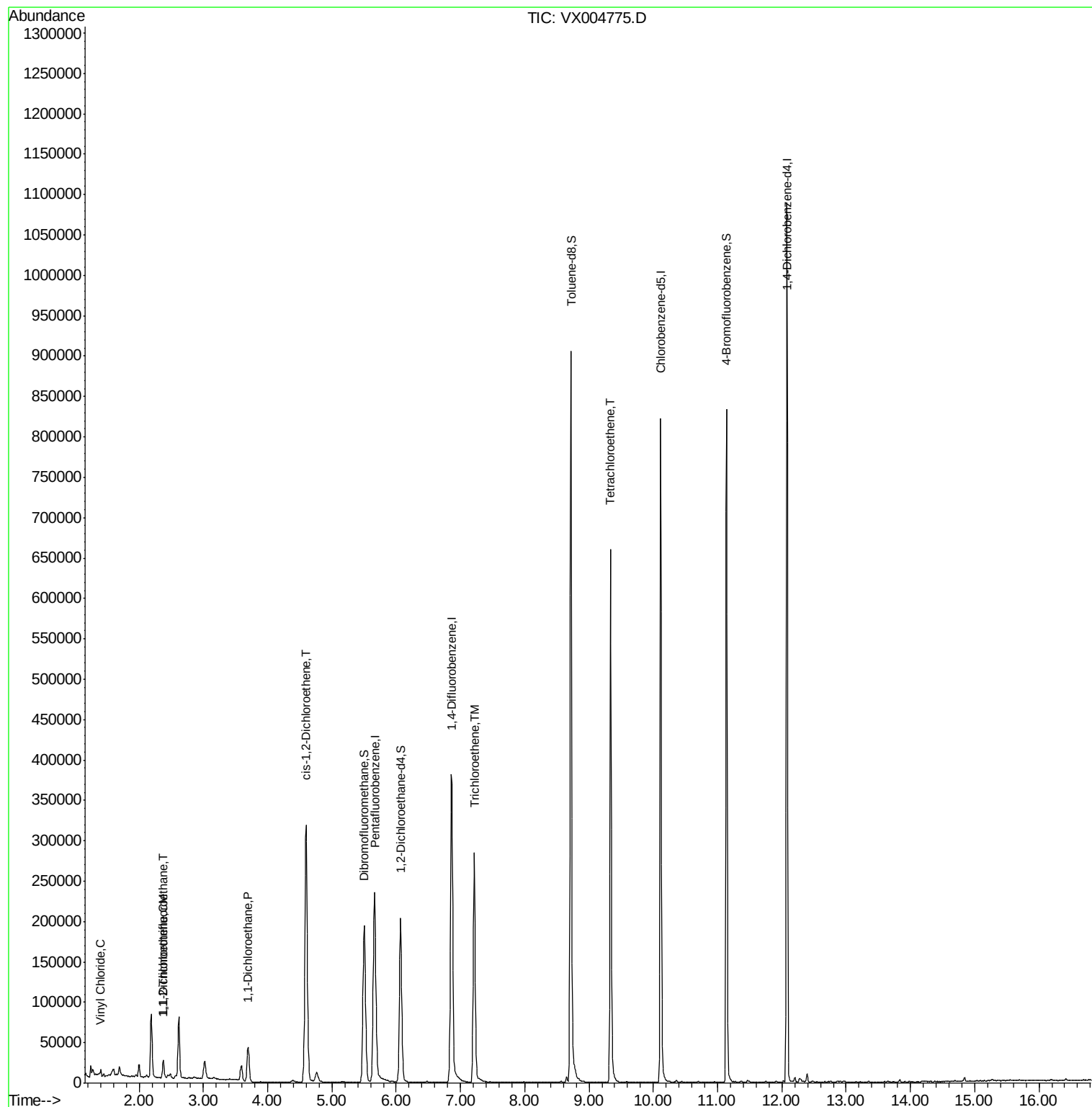
| Internal Standards            | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-------------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene         | 5.67  | 168  | 251194   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.86  | 114  | 409085   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5          | 10.12 | 117  | 397981   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.08 | 152  | 222588   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds   |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4     | 6.07  | 65   | 190542   | 53.10  | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =      | 106.20% |          |
| 35) Dibromofluoromethane      | 5.50  | 113  | 160856   | 46.40  | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =      | 92.80%  |          |
| 50) Toluene-d8                | 8.72  | 98   | 591512   | 51.32  | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =      | 102.64% |          |
| 62) 4-Bromofluorobenzene      | 11.14 | 95   | 213405   | 51.39  | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =      | 102.78% |          |
| Target Compounds              |       |      |          |        |         |          |
| 4) Vinyl Chloride             | 1.40  | 62   | 3021     | 0.775  | ug/l #  | 31       |
| 9) 1,1,2-Trichlorotrifluoroet | 2.39  | 101  | 1543     | 0.561  | ug/l    | 93       |
| 12) 1,1-Dichloroethene        | 2.37  | 96   | 6292     | 2.312  | ug/l    | 95       |
| 24) 1,1-Dichloroethane        | 3.70  | 63   | 49808    | 8.350  | ug/l    | 98       |
| 27) cis-1,2-Dichloroethene    | 4.60  | 96   | 203235   | 61.060 | ug/l    | 95       |
| 44) Trichloroethene           | 7.21  | 130  | 113872   | 31.279 | ug/l    | 93       |
| 64) Tetrachloroethene         | 9.34  | 164  | 138587   | 35.381 | ug/l    | 98       |

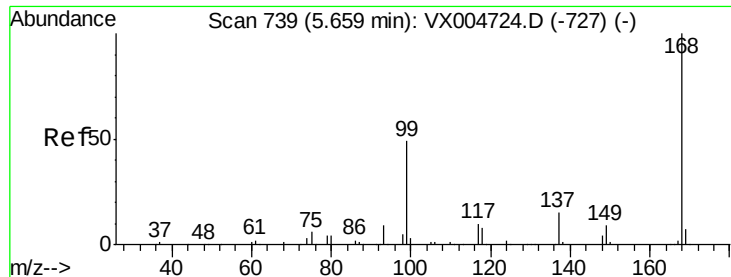
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 28 12:57:10 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X092618W.M  
Quant Title : SW846 8260  
QLast Update : Wed Sep 26 14:17:02 2018  
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: VX004775.D

Acq: 27 Sep 2018 15:43

Instrument :

MSVOA\_X

ClientSampleId :

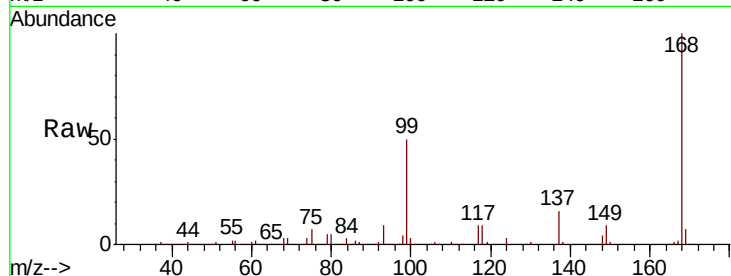
MW-123-SEP18

Tot Ion:168 Resp: 251194

Ion Ratio Lower Upper

168 100

99 49.9 39.9 59.9

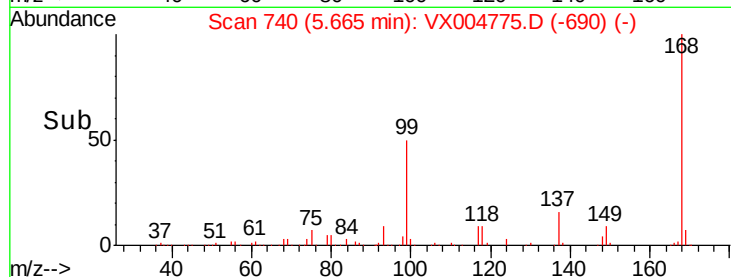


Abundance Ion 167.90 (167.60 to 168.60): V

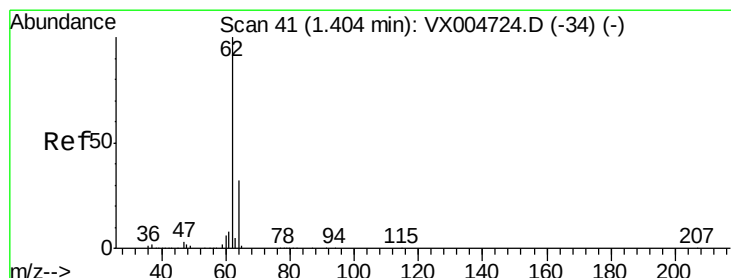
Ion 98.90 (98.60 to 99.60): VX0

5.67

Time-->



Time-->



#4

Vinyl Chloride

Concen: 0.775 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX004775.D

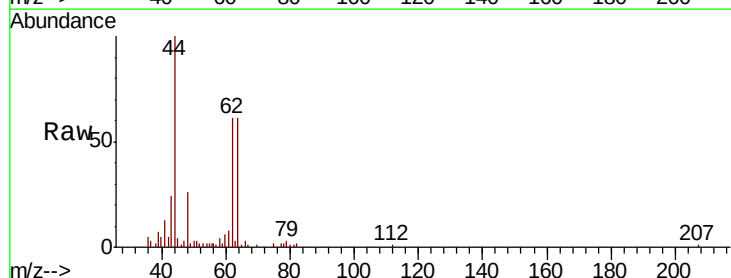
Acq: 27 Sep 2018 15:43

Tgt Ion: 62 Resp: 3021

Ion Ratio Lower Upper

62 100

64 71.1 25.8 38.8#

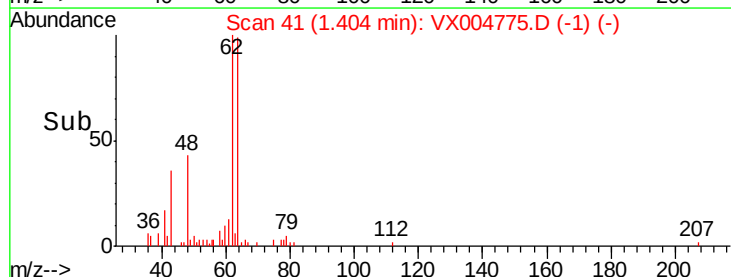


Abundance Ion 61.90 (61.60 to 62.60): VX0

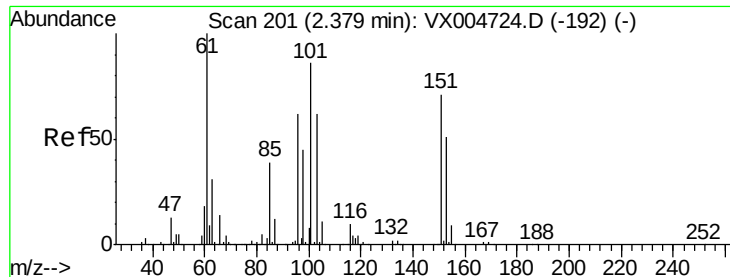
Ion 63.90 (63.60 to 64.60): VX0

1.40

Time-->



Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.561 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX004775.D

Acq: 27 Sep 2018 15:43

Instrument :

MSVOA\_X

ClientSampled :

MW-123-SEP18

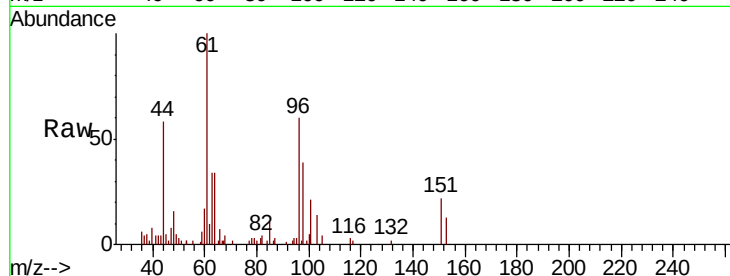
Tot Ion:101 Resp: 1543

Ion Ratio Lower Upper

101 100

85 50.6 34.2 51.4

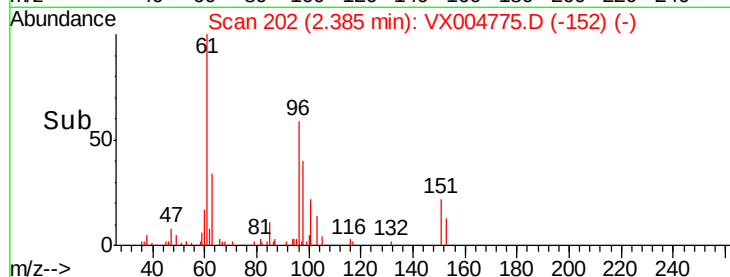
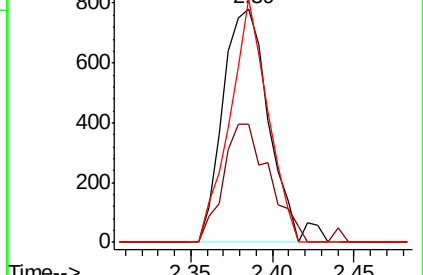
151 84.9 65.0 97.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#12

1,1-Dichloroethene

Concen: 2.312 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.01 min

Lab File: VX004775.D

Acq: 27 Sep 2018 15:43

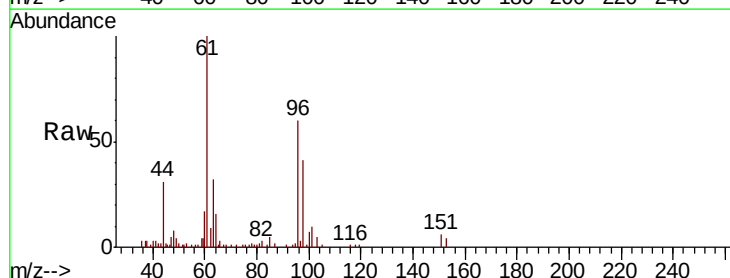
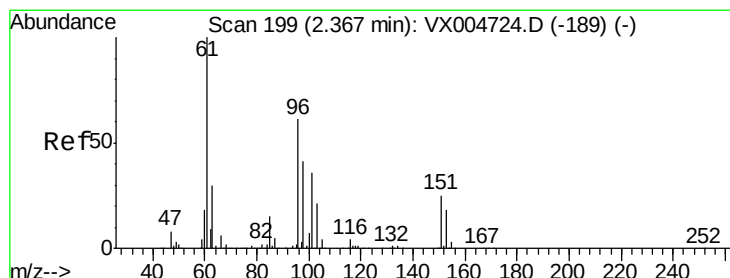
Tgt Ion: 96 Resp: 6292

Ion Ratio Lower Upper

96 100

61 167.7 128.8 193.2

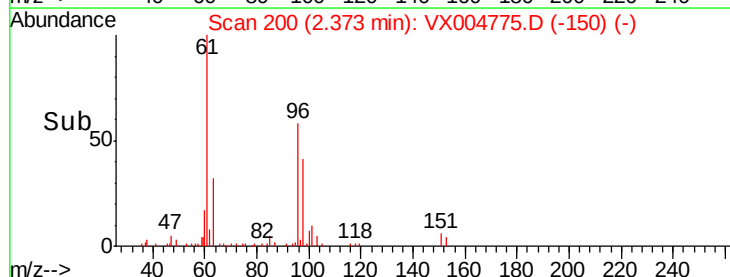
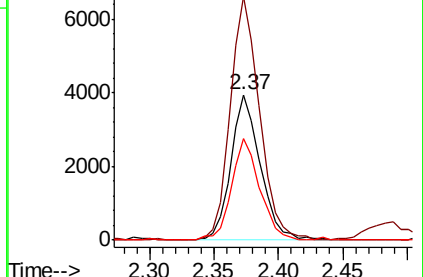
98 69.6 52.2 78.2

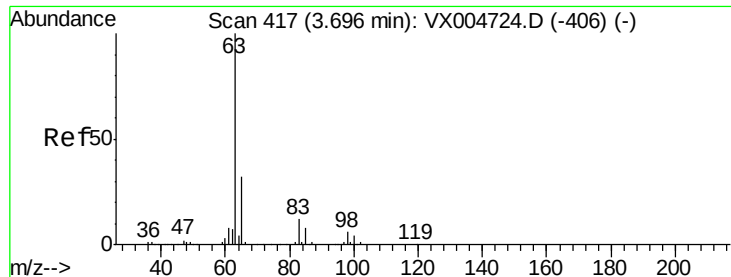


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#24

1,1-Dichloroethane

Concen: 8.350 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX004775.D

Acq: 27 Sep 2018 15:43

Instrument :

MSVOA\_X

ClientSampled :

MW-123-SEP18

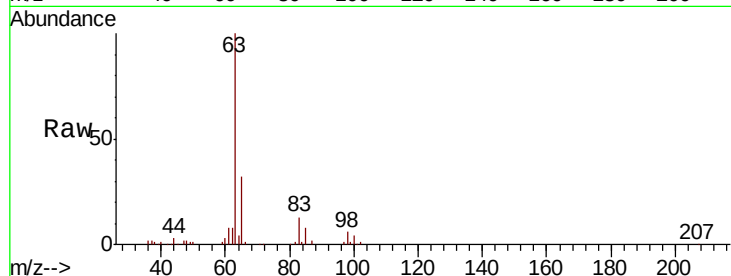
Tot Ion: 63 Resp: 49808

Ion Ratio Lower Upper

63 100

98 5.7 3.5 10.4

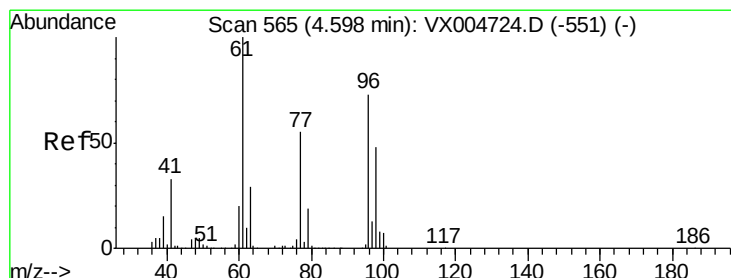
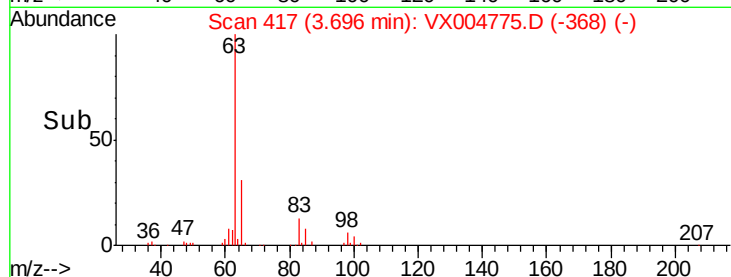
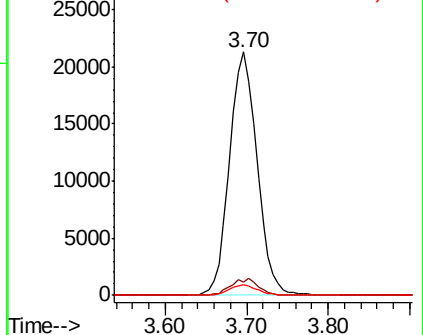
100 4.4 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 61.060 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.00 min

Lab File: VX004775.D

Acq: 27 Sep 2018 15:43

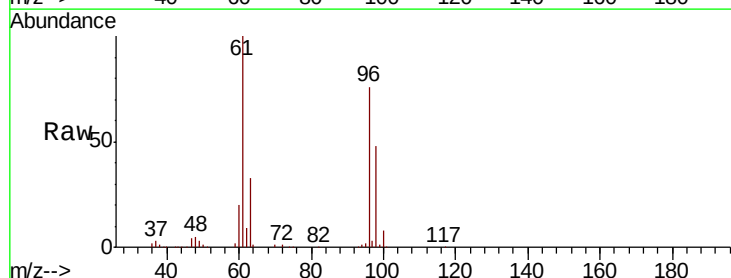
Tgt Ion: 96 Resp: 203235

Ion Ratio Lower Upper

96 100

61 132.3 0.0 282.6

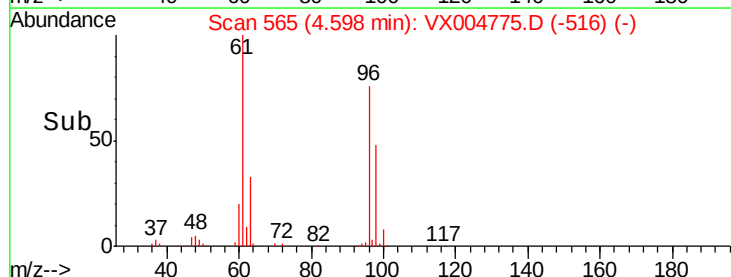
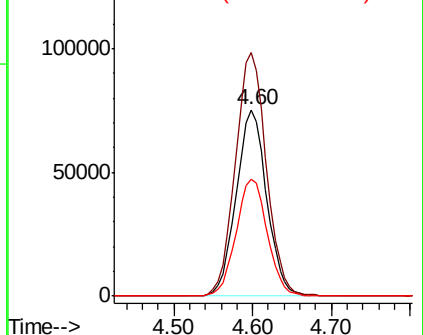
98 64.3 0.0 130.2

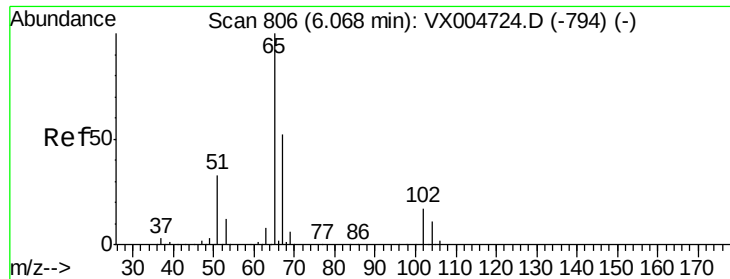


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

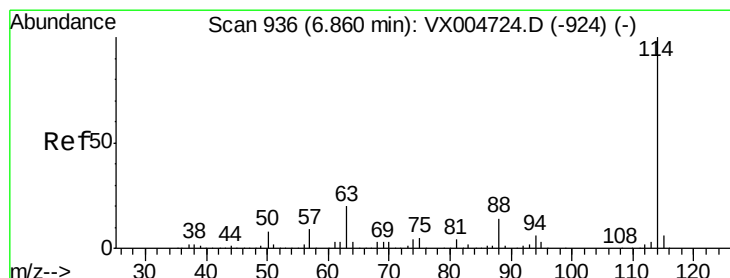
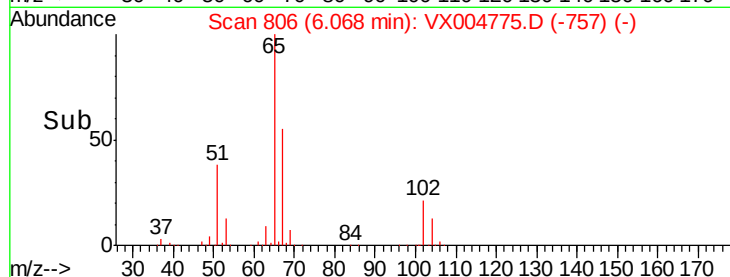
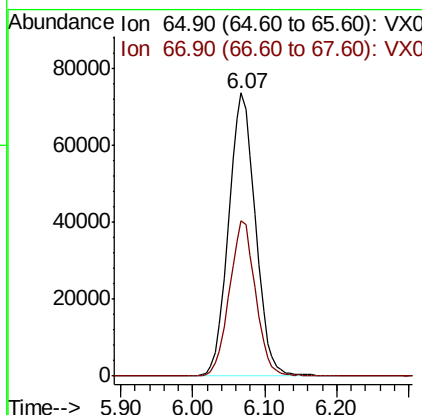
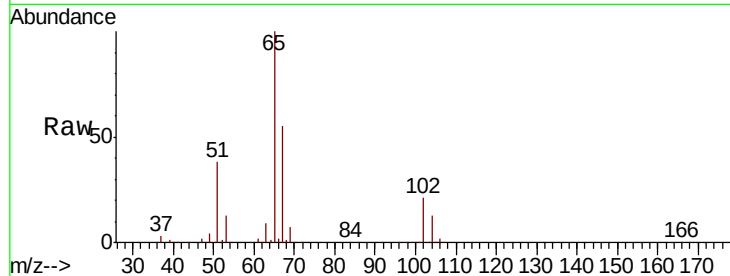




#33  
 1,2-Dichloroethane-d4  
 Concen: 53.101 ug/l  
 RT: 6.07 min Scan# 806  
 Delta R.T. 0.00 min  
 Lab File: VX004775.D  
 Acq: 27 Sep 2018 15:43

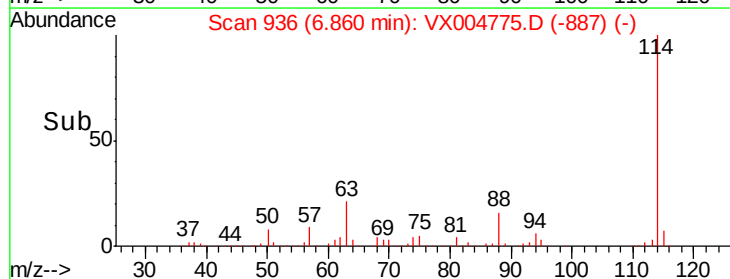
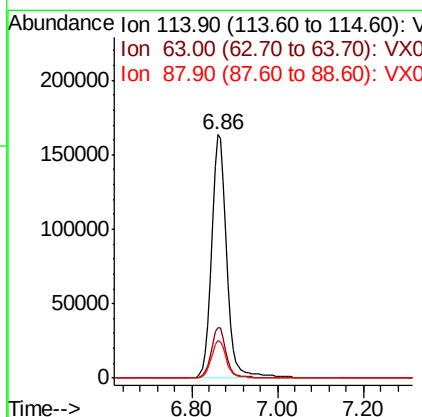
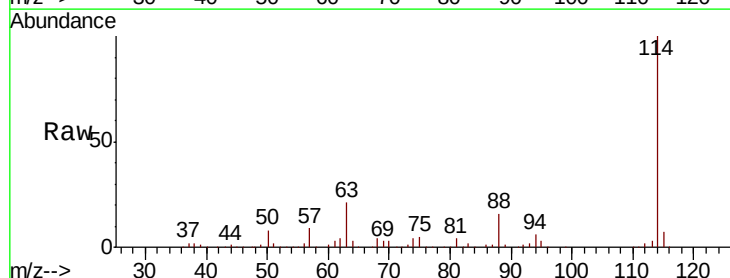
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-123-SEP18

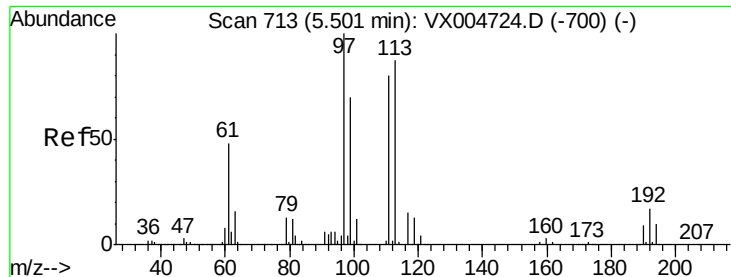
Tot Ion: 65 Resp: 190542  
 Ion Ratio Lower Upper  
 65 100  
 67 53.7 0.0 106.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. 0.00 min  
 Lab File: VX004775.D  
 Acq: 27 Sep 2018 15:43

Tgt Ion: 114 Resp: 409085  
 Ion Ratio Lower Upper  
 114 100  
 63 20.9 0.0 39.0  
 88 15.5 0.0 30.4

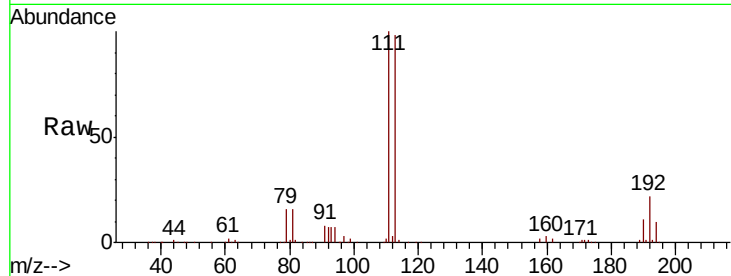




#35  
 Dibromofluoromethane  
 Concen: 46.396 ug/l  
 RT: 5.50 min Scan# 713  
 Delta R.T. 0.00 min  
 Lab File: VX004775.D  
 Acq: 27 Sep 2018 15:43

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-123-SEP18

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.7 | 82.4  | 123.6 |
| 192     | 23.4  | 19.4  | 29.2  |

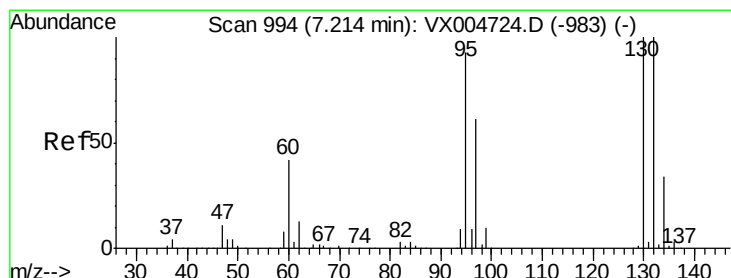
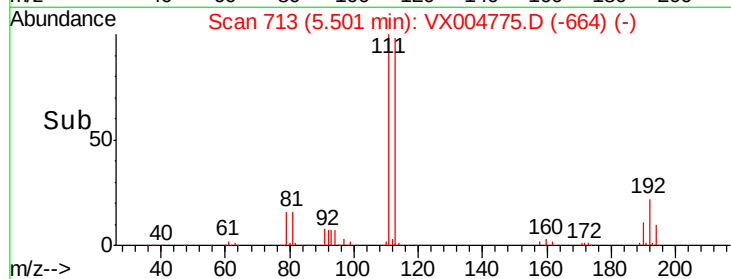
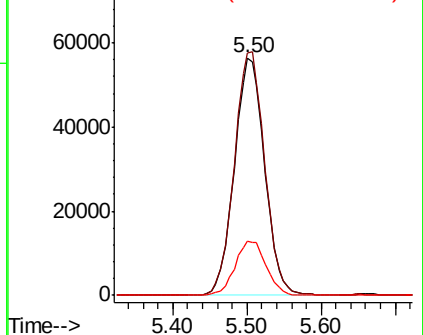


Abundance

Ion 112.80 (112.50 to 113.50): V

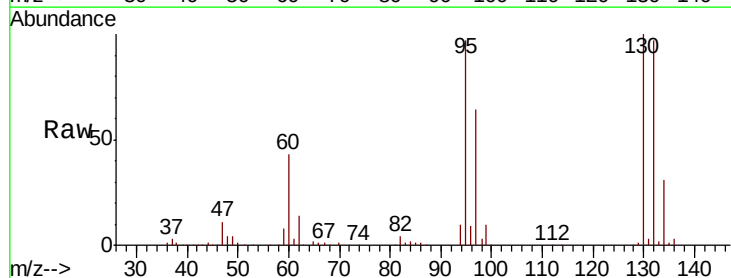
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#44  
 Trichloroethene  
 Concen: 31.279 ug/l  
 RT: 7.21 min Scan# 994  
 Delta R.T. 0.00 min  
 Lab File: VX004775.D  
 Acq: 27 Sep 2018 15:43

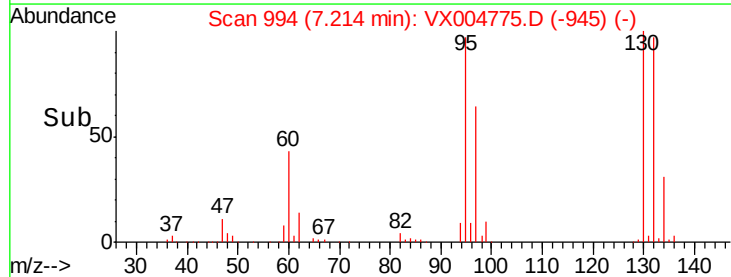
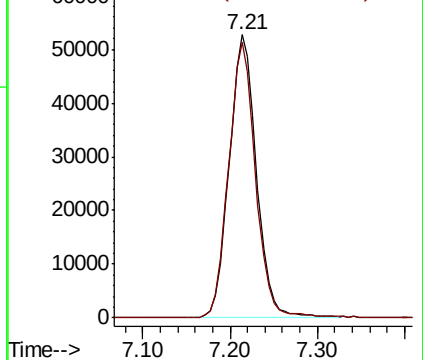
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 97.4  | 0.0   | 181.6 |

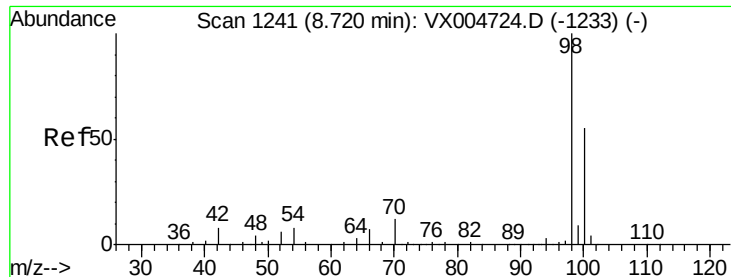


Abundance

Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#50

Toluene-d8

Concen: 51.319 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VX004775.D

Acq: 27 Sep 2018 15:43

Instrument :

MSVOA\_X

ClientSampleId :

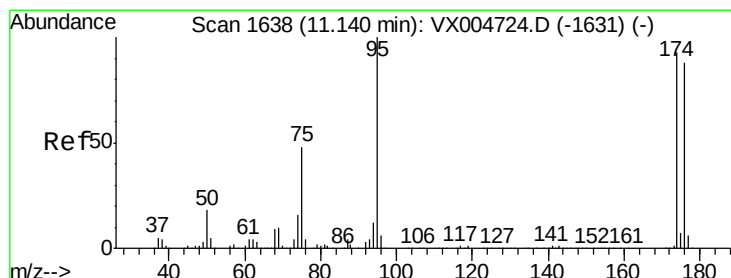
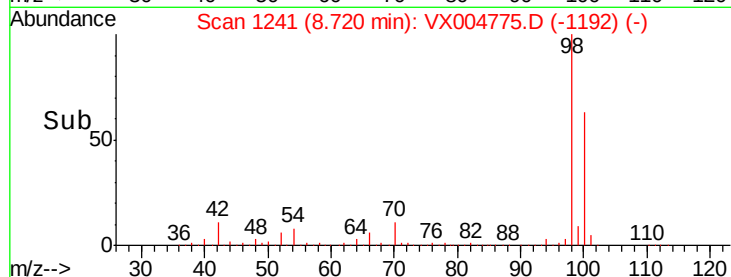
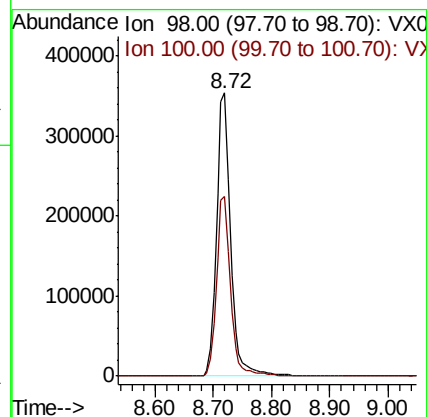
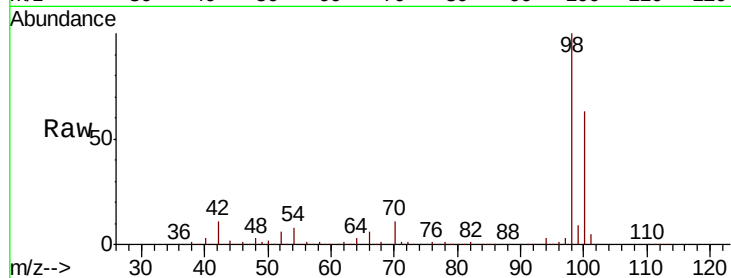
MW-123-SEP18

Tot Ion: 98 Resp: 591512

Ion Ratio Lower Upper

98 100

100 63.3 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 51.394 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX004775.D

Acq: 27 Sep 2018 15:43

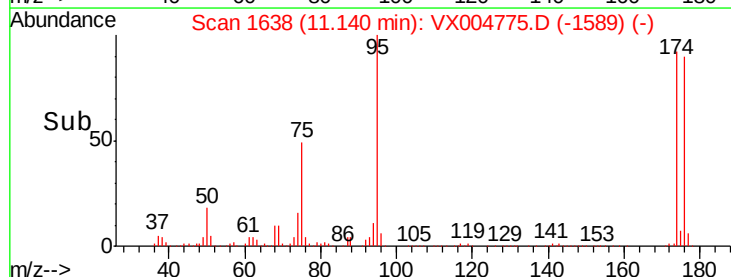
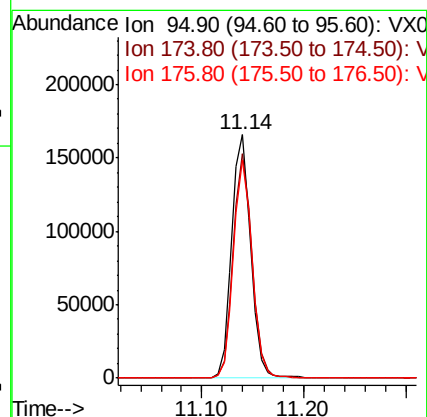
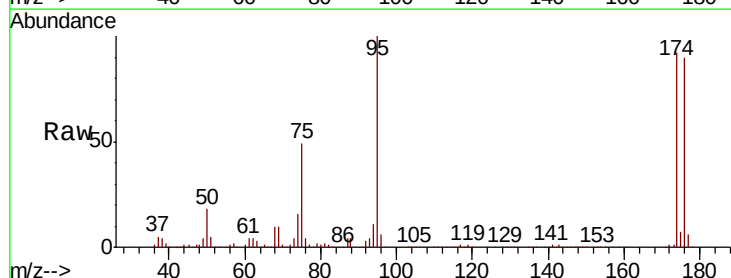
Tgt Ion: 95 Resp: 213405

Ion Ratio Lower Upper

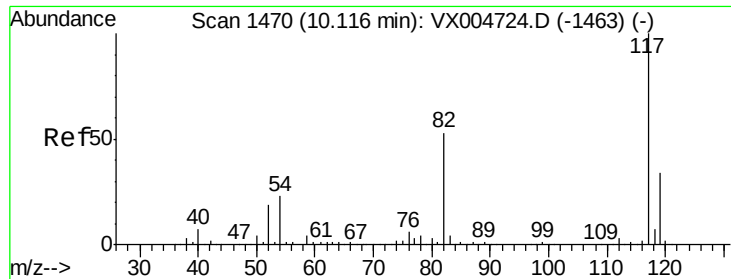
95 100

174 91.4 0.0 185.2

176 88.2 0.0 178.6



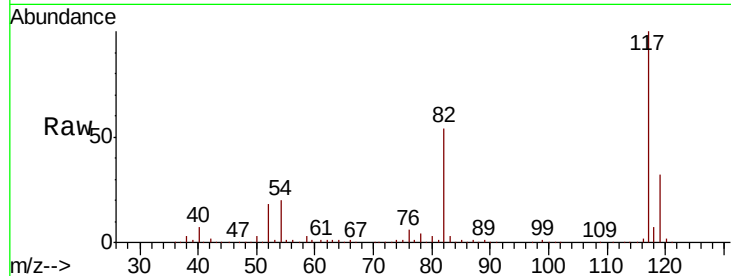




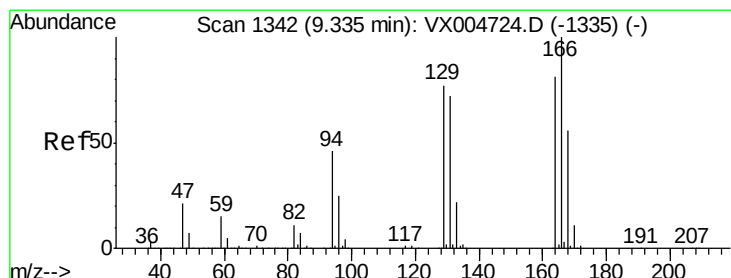
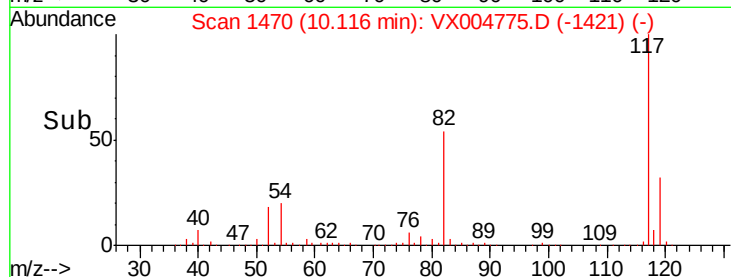
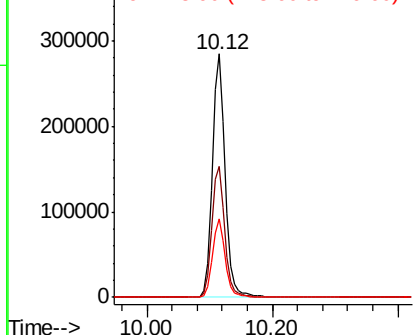
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. 0.00 min  
Lab File: VX004775.D  
Acq: 27 Sep 2018 15:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-123-SEP18

Tot Ion:117 Resp: 397981  
Ion Ratio Lower Upper  
117 100  
82 53.6 47.8 71.6  
119 32.1 29.3 43.9

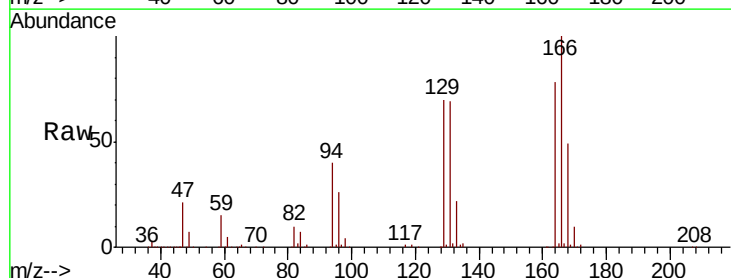


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V

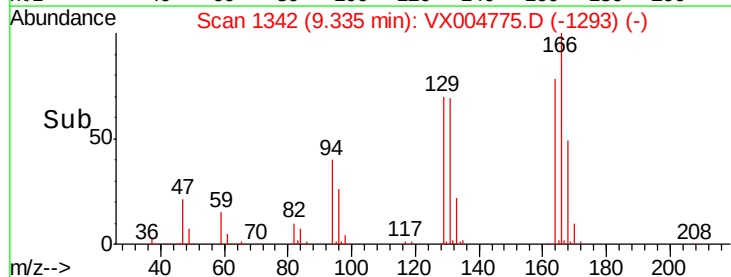
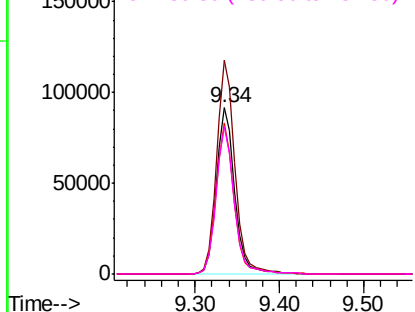


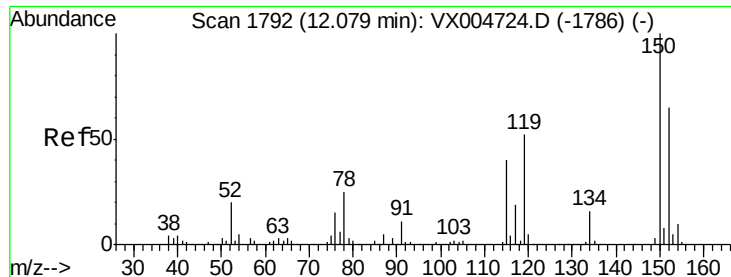
#64  
Tetrachloroethene  
Concen: 35.381 ug/l  
RT: 9.34 min Scan# 1342  
Delta R.T. 0.00 min  
Lab File: VX004775.D  
Acq: 27 Sep 2018 15:43

Tgt Ion:164 Resp: 138587  
Ion Ratio Lower Upper  
164 100  
166 128.6 102.8 154.2  
129 90.6 69.4 104.0  
131 88.4 67.9 101.9



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: VX004775.D

Acq: 27 Sep 2018 15:43

Instrument :

MSVOA\_X

ClientSampleId :

MW-123-SEP18

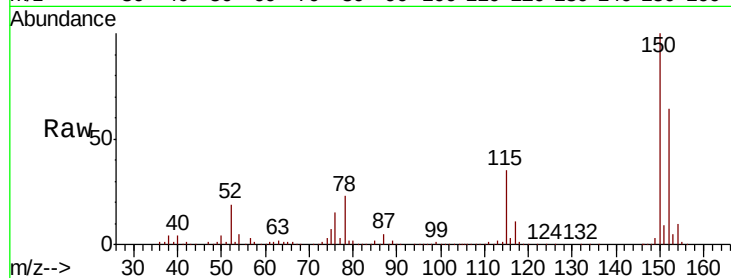
Tot Ion:152 Resp: 222588

Ion Ratio Lower Upper

152 100

115 56.1 39.0 117.0

150 157.7 0.0 351.0



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

