

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101818\  
 Data File : VU027703.D  
 Acq On : 18 Oct 2018 16:51  
 Operator : MD/SY  
 Sample : J5463-08 500X  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0JB9

Quant Time: Oct 19 09:20:54 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR101718WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Oct 19 08:11:17 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 77514    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 70543    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 35785    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 25407    | 4.13     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 82.60% |
| 7) Chloroethane-d5             | 1.68   | 69    | 20402    | 4.40     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 88.00% |
| 11) 1,1-Dichloroethene-d2      | 2.28   | 63    | 34544    | 3.16     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 63.20% |
| 20) 2-Butanone-d5              | 4.20   | 46    | 81864    | 46.74    | ug/L | -0.03  |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 93.48% |
| 24) Chloroform-d               | 4.65   | 84    | 42470    | 4.42     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 88.40% |
| 26) 1,2-Dichloroethane-d4      | 5.31   | 65    | 25461    | 4.73     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 94.60% |
| 32) Benzene-d6                 | 5.34   | 84    | 92843    | 4.82     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 96.40% |
| 36) 1,2-Dichloropropane-d6     | 6.33   | 67    | 31874    | 4.75     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 95.00% |
| 41) Toluene-d8                 | 7.57   | 98    | 86288    | 4.64     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 92.80% |
| 43) trans-1,3-Dichloropropene- | 7.85   | 79    | 11966    | 4.05     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 81.00% |
| 46) 2-Hexanone-d5              | 8.31   | 63    | 69840    | 48.19    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 96.38% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43  | 84    | 24253    | 4.64     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 92.80% |
| 64) 1,2-Dichlorobenzene-d4     | 11.86  | 152   | 32066    | 4.78     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 95.60% |

## Target Compounds

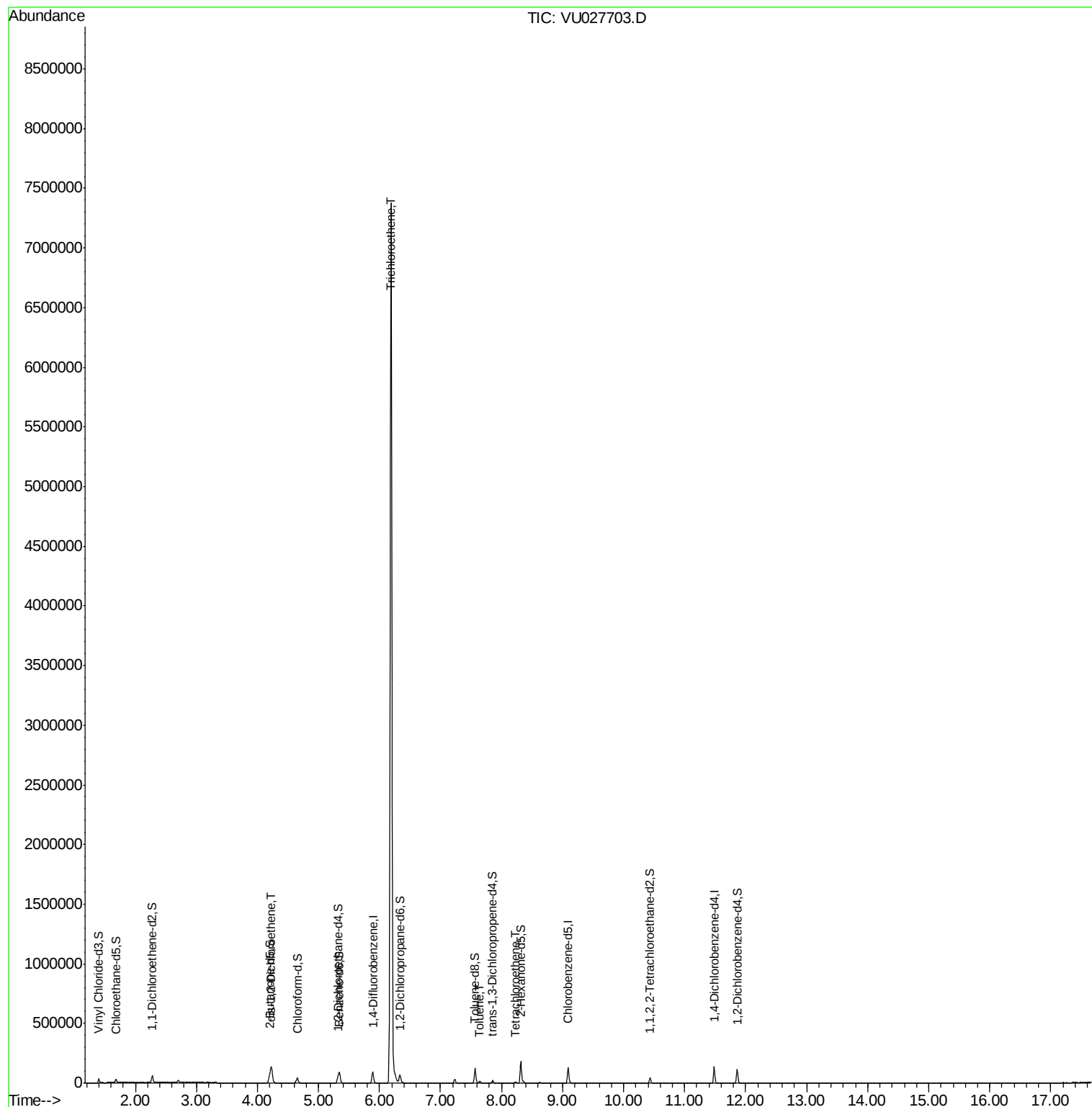
|                            |      |     |         |              | Ovalue |
|----------------------------|------|-----|---------|--------------|--------|
| 22) cis-1,2-Dichloroethene | 4.23 | 96  | 61885   | 10.026 ug/L  | # 93   |
| 34) Trichloroethene        | 6.19 | 95  | 2639576 | 441.725 ug/L | 99     |
| 42) Toluene                | 7.64 | 91  | 11722   | 0.473 ug/L   | 93     |
| 47) Tetrachloroethene      | 8.23 | 164 | 2217    | 0.465 ug/L   | 91     |

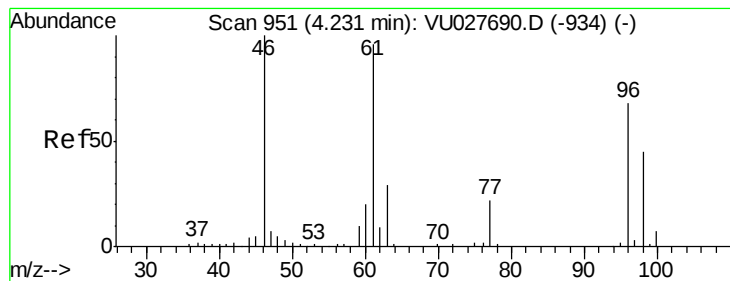
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Oct 19 08:11:17 2018  
Response via : Initial Calibration





#22

cis-1,2-Dichloroethene

Concen: 10.026 ug/L

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027703.D

Acq: 18 Oct 2018 16:51

Instrument :

MSVOA\_U

ClientSampleId :

C0JB9

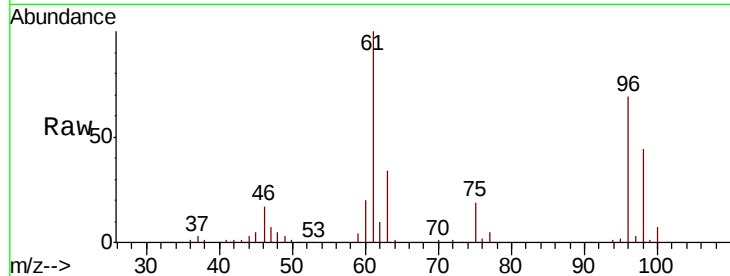
Tot Ion: 96 Resp: 61885

Ion Ratio Lower Upper

96 100

61 144.6 95.3 176.9

68 0.0 1.1 2.1#

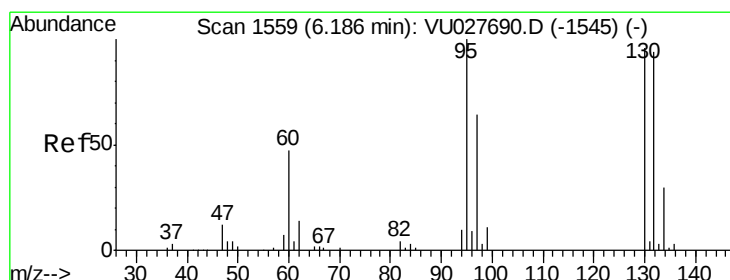
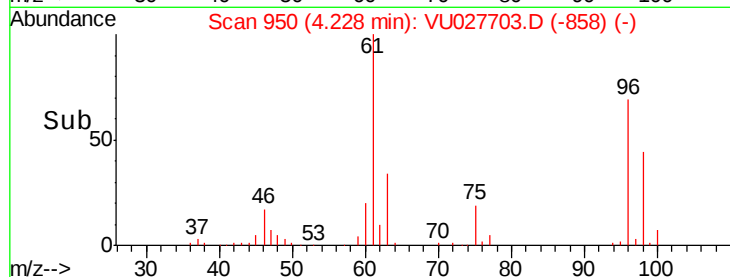
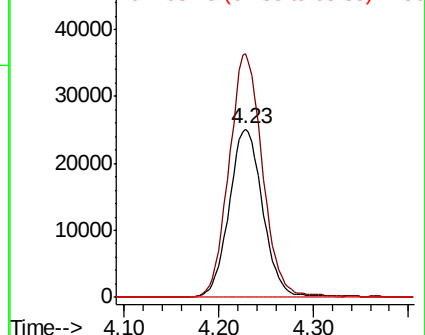


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#34

Trichloroethene

Concen: 441.725 ug/L

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU027703.D

Acq: 18 Oct 2018 16:51

Tgt Ion: 95 Resp: 2639576

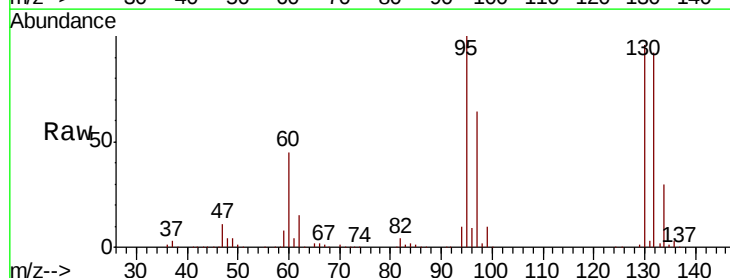
Ion Ratio Lower Upper

95 100

97 63.7 44.7 83.1

132 92.3 65.9 122.5

130 95.6 67.9 126.1



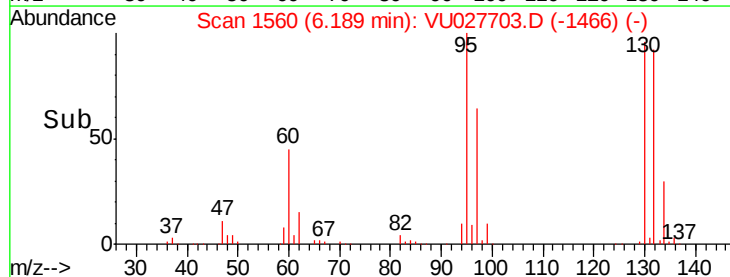
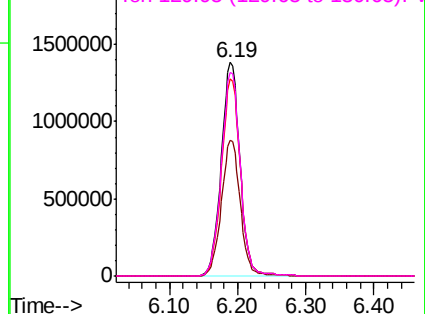
Abundance

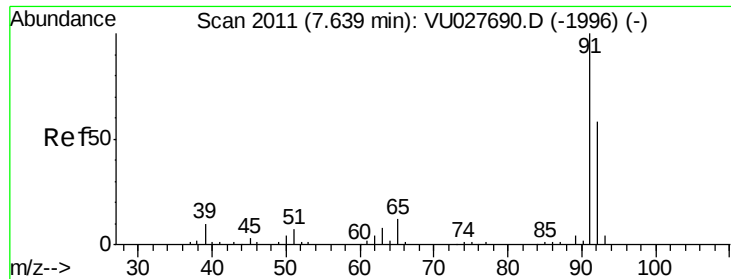
Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V





#42

Toluene

Concen: 0.473 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027703.D

Acq: 18 Oct 2018 16:51

Instrument :

MSVOA\_U

ClientSampleId :

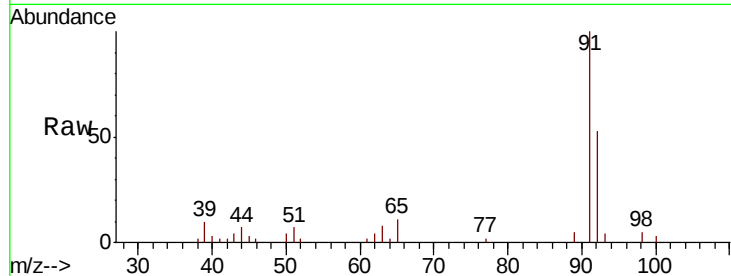
C0JB9

Tot Ion: 91 Resp: 11722

Ion Ratio Lower Upper

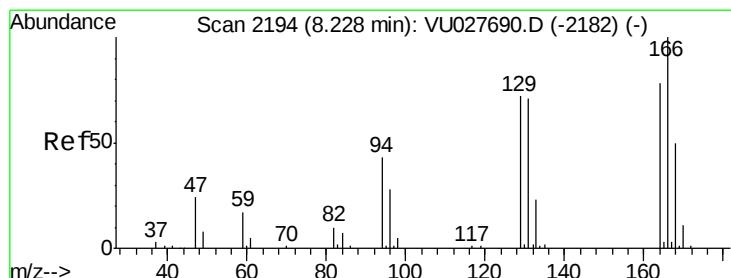
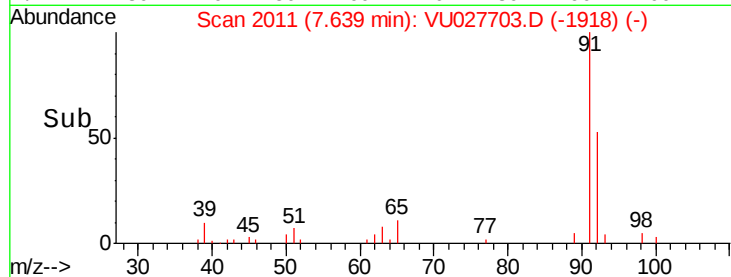
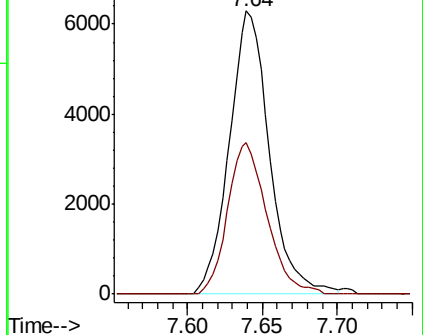
91 100

92 53.4 41.1 76.3



Abundance Ion 91.15 (90.85 to 91.85): VU027690.D (-1996) (-)

Ion 92.15 (91.85 to 92.85): VU027690.D (-1996) (-)



#47

Tetrachloroethene

Concen: 0.465 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU027703.D

Acq: 18 Oct 2018 16:51

Tgt Ion: 164 Resp: 2217

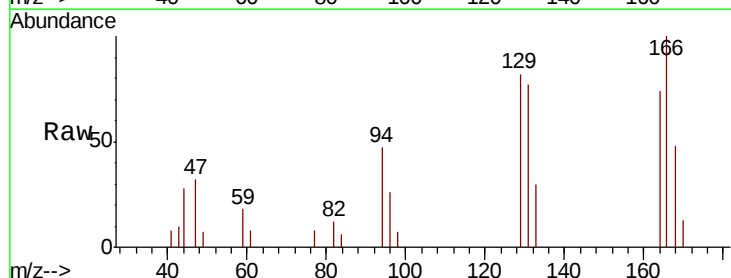
Ion Ratio Lower Upper

164 100

129 110.6 67.3 124.9

131 102.8 64.8 120.3

166 134.4 91.8 170.4



Abundance Ion 163.90 (163.60 to 164.60): VU027690.D (-2182) (-)

Ion 128.95 (128.65 to 129.65): VU027690.D (-2182) (-)

Ion 130.95 (130.65 to 131.65): VU027690.D (-2182) (-)

Ion 165.90 (165.60 to 166.60): VU027690.D (-2182) (-)

