

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101219\  
 Data File : VU035109.D  
 Acq On : 11 Oct 2019 23:12  
 Operator : JC/SP  
 Sample : K5310-23DL 25X  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 OU2-MW-5-001-01DL

Quant Time: Oct 12 04:43:00 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR100719WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Sat Oct 12 02:39:23 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.86  | 114  | 170815   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.07  | 117  | 178912   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.47 | 152  | 66292    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 52564    | 5.21     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 104.20% |
| 7) Chloroethane-d5             | 1.68   | 69    | 52761    | 5.60     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 112.00% |
| 11) 1,1-Dichloroethene-d2      | 2.26   | 63    | 79770    | 3.75     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 75.00%  |
| 20) 2-Butanone-d5              | 4.17   | 46    | 146965   | 49.42    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 98.84%  |
| 24) Chloroform-d               | 4.62   | 84    | 93747    | 4.97     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 99.40%  |
| 26) 1,2-Dichloroethane-d4      | 5.29   | 65    | 59808    | 5.29     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 105.80% |
| 32) Benzene-d6                 | 5.32   | 84    | 195487   | 4.66     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 93.20%  |
| 36) 1,2-Dichloropropane-d6     | 6.31   | 67    | 68993    | 4.92     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 98.40%  |
| 41) Toluene-d8                 | 7.55   | 98    | 172715   | 4.26     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 85.20%  |
| 43) trans-1,3-Dichloropropene- | 7.84   | 79    | 20892    | 4.14     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 82.80%  |
| 46) 2-Hexanone-d5              | 8.31   | 63    | 101990   | 42.49    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 84.98%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.41  | 84    | 57635    | 4.88     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 97.60%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.85  | 152   | 58309    | 5.21     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 104.20% |

## Target Compounds

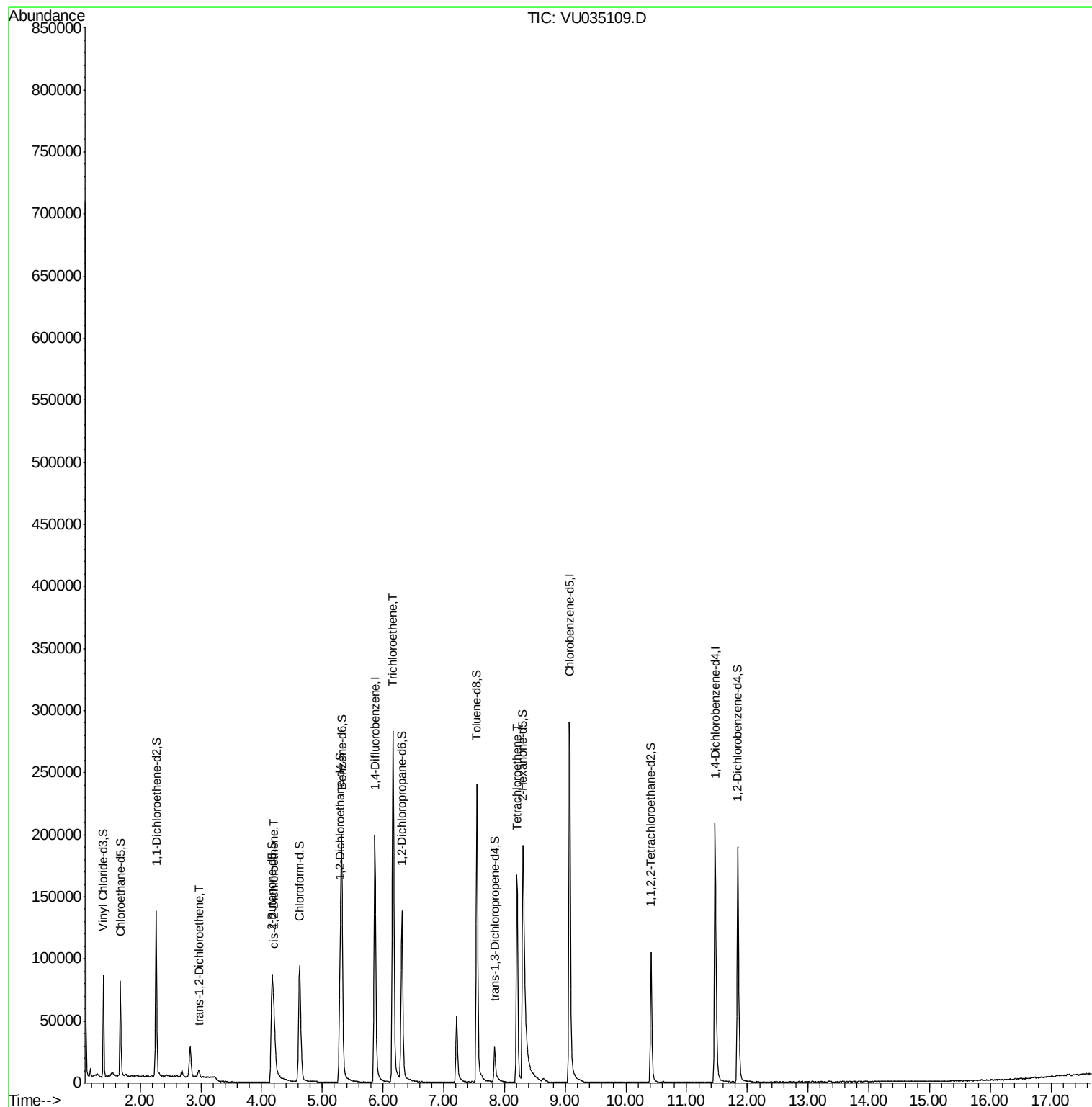
|                              |      |     |        |            | Ovalue |
|------------------------------|------|-----|--------|------------|--------|
| 18) trans-1,2-Dichloroethene | 2.97 | 96  | 2125   | 0.181 ug/L | 94     |
| 22) cis-1,2-Dichloroethene   | 4.20 | 96  | 15769  | 1.203 ug/L | 94     |
| 34) Trichloroethene          | 6.16 | 95  | 106870 | 7.689 ug/L | 97     |
| 47) Tetrachloroethene        | 8.21 | 164 | 38146  | 3.391 ug/L | 99     |

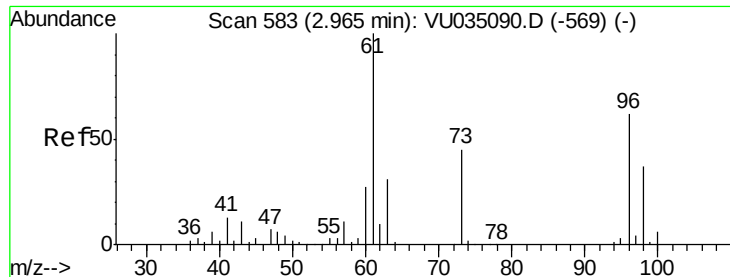
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#18

trans-1,2-Dichloroethene

Concen: 0.181 ug/L

RT: 2.97 min Scan# 584

Delta R.T. 0.00 min

Lab File: VU035109.D

Acq: 11 Oct 2019 23:12

Instrument :

MSVOA\_U

ClientSampleId :

OU2-MW-5-001-01DL

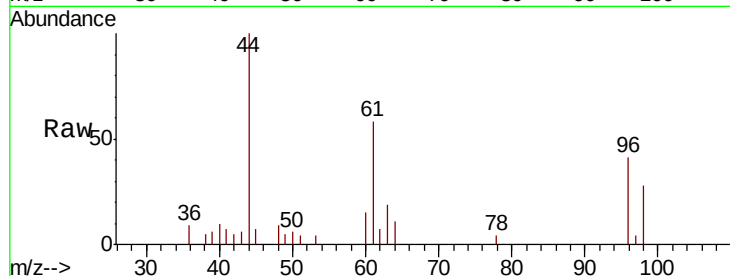
Tot Ion: 96 Resp: 2125

Ion Ratio Lower Upper

96 100

61 144.3 107.1 198.9

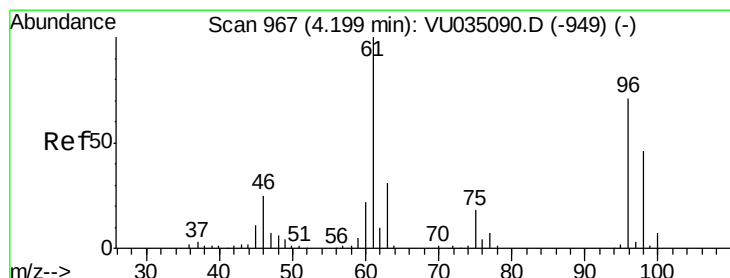
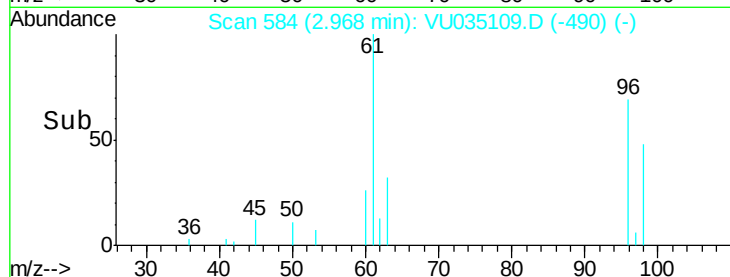
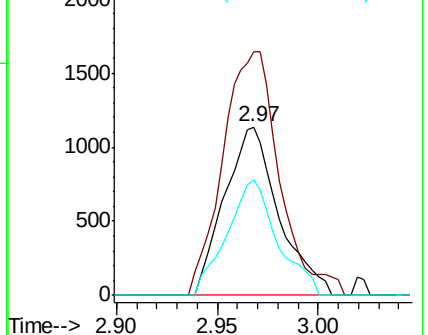
98 68.6 45.4 84.4



Abundance Ion 96.00 (95.70 to 96.70): VU035109.D (-490) (-)

Ion 61.05 (60.75 to 61.75): VU035109.D (-490) (-)

Ion 97.95 (97.65 to 98.65): VU035109.D (-490) (-)



#22

cis-1,2-Dichloroethene

Concen: 1.203 ug/L

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU035109.D

Acq: 11 Oct 2019 23:12

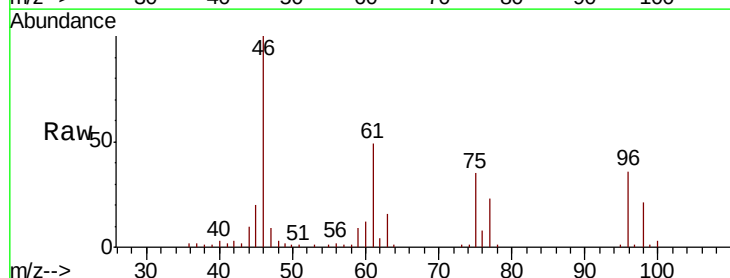
Tgt Ion: 96 Resp: 15769

Ion Ratio Lower Upper

96 100

61 134.1 89.2 165.6

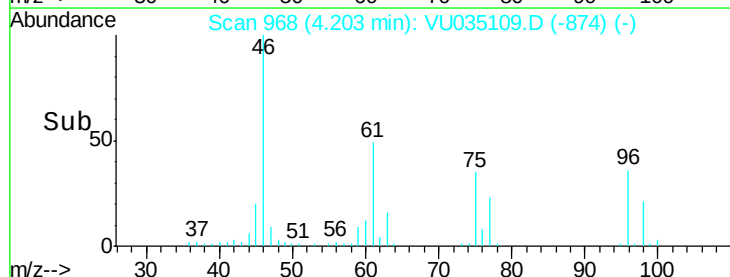
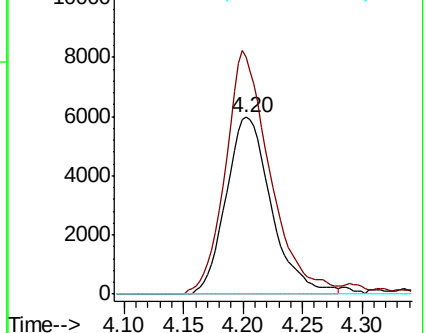
68 0.0 0.0 0.0

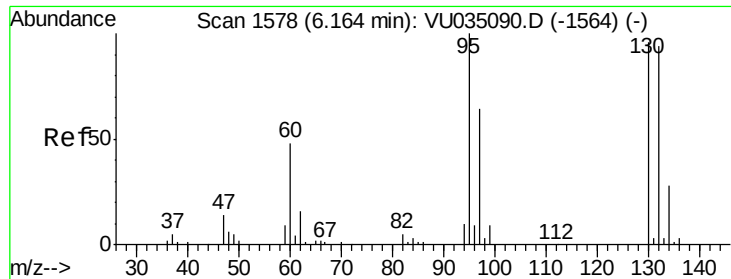


Abundance Ion 96.00 (95.70 to 96.70): VU035109.D (-874) (-)

Ion 61.05 (60.75 to 61.75): VU035109.D (-874) (-)

Ion 68.15 (67.85 to 68.85): VU035109.D (-874) (-)





#34

Trichloroethene

Concen: 7.689 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU035109.D

Acq: 11 Oct 2019 23:12

Instrument :

MSVOA\_U

ClientSampleId :

OU2-MW-5-001-01DL

Tot Ion: 95 Resp: 106870

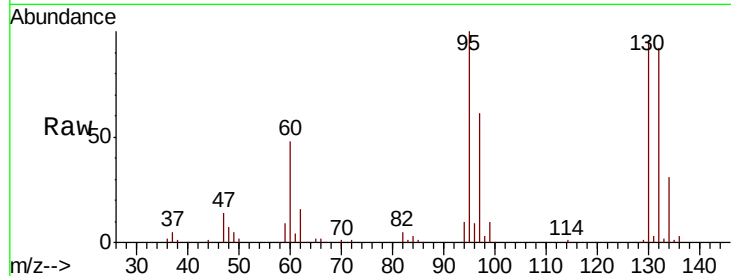
Ion Ratio Lower Upper

95 100

97 61.5 44.5 82.7

132 92.2 66.6 123.8

130 96.4 68.9 127.9

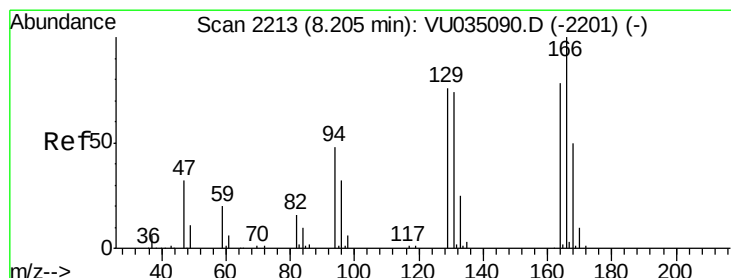
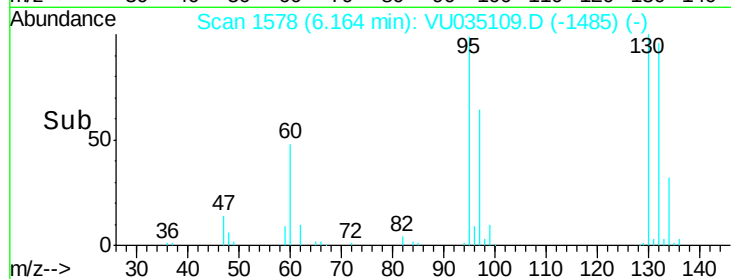
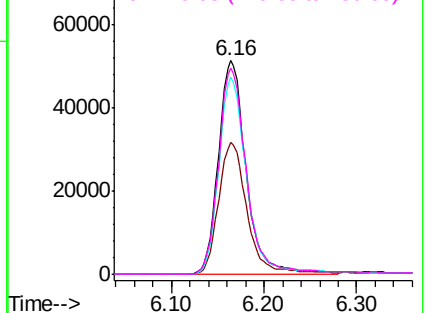


Abundance Ion 95.00 (94.70 to 95.70): VU035109.D (-1564) (-)

Ion 96.95 (96.65 to 97.65): VU035109.D (-1564) (-)

Ion 131.95 (131.65 to 132.65): VU035109.D (-1564) (-)

Ion 129.95 (129.65 to 130.65): VU035109.D (-1564) (-)



#47

Tetrachloroethene

Concen: 3.391 ug/L

RT: 8.21 min Scan# 2213

Delta R.T. 0.00 min

Lab File: VU035109.D

Acq: 11 Oct 2019 23:12

Tgt Ion: 164 Resp: 38146

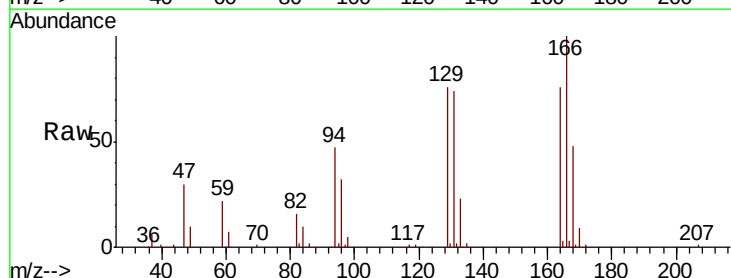
Ion Ratio Lower Upper

164 100

129 99.5 68.5 127.1

131 97.4 67.3 124.9

166 131.5 93.1 172.9



Abundance Ion 163.90 (163.60 to 164.60): VU035109.D (-2201) (-)

Ion 128.95 (128.65 to 129.65): VU035109.D (-2201) (-)

Ion 130.95 (130.65 to 131.65): VU035109.D (-2201) (-)

Ion 165.90 (165.60 to 166.60): VU035109.D (-2201) (-)

