

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\U112619\  
 Data File : VU035864.D  
 Acq On : 26 Nov 2019 18:06  
 Operator : JC/SP  
 Sample : K5992-12DL 40X  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GARF3DL

Quant Time: Nov 27 03:43:15 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR112119WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Nov 27 03:16:13 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.29  | 114  | 222831   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.45  | 117  | 261034   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.84 | 152  | 95534    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 153853   | 5.29     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 105.80% |
| 7) Chloroethane-d5             | 1.93   | 69    | 135742   | 5.39     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 107.80% |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 180914   | 3.34     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 66.80%  |
| 20) 2-Butanone-d5              | 4.70   | 46    | 361894   | 53.72    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 107.44% |
| 24) Chloroform-d               | 5.11   | 84    | 243414   | 4.94     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 98.80%  |
| 26) 1,2-Dichloroethane-d4      | 5.75   | 65    | 136534   | 4.93     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 98.60%  |
| 32) Benzene-d6                 | 5.77   | 84    | 466655   | 4.69     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 93.80%  |
| 36) 1,2-Dichloropropane-d6     | 6.73   | 67    | 162910   | 4.86     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 97.20%  |
| 41) Toluene-d8                 | 7.93   | 98    | 367707   | 4.00     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 80.00%  |
| 43) trans-1,3-Dichloropropene- | 8.21   | 79    | 55620    | 4.26     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 85.20%  |
| 46) 2-Hexanone-d5              | 8.68   | 63    | 267314   | 50.93    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 101.86% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.79  | 84    | 131010   | 4.64     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 92.80%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.22  | 152   | 111157   | 5.36     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 107.20% |

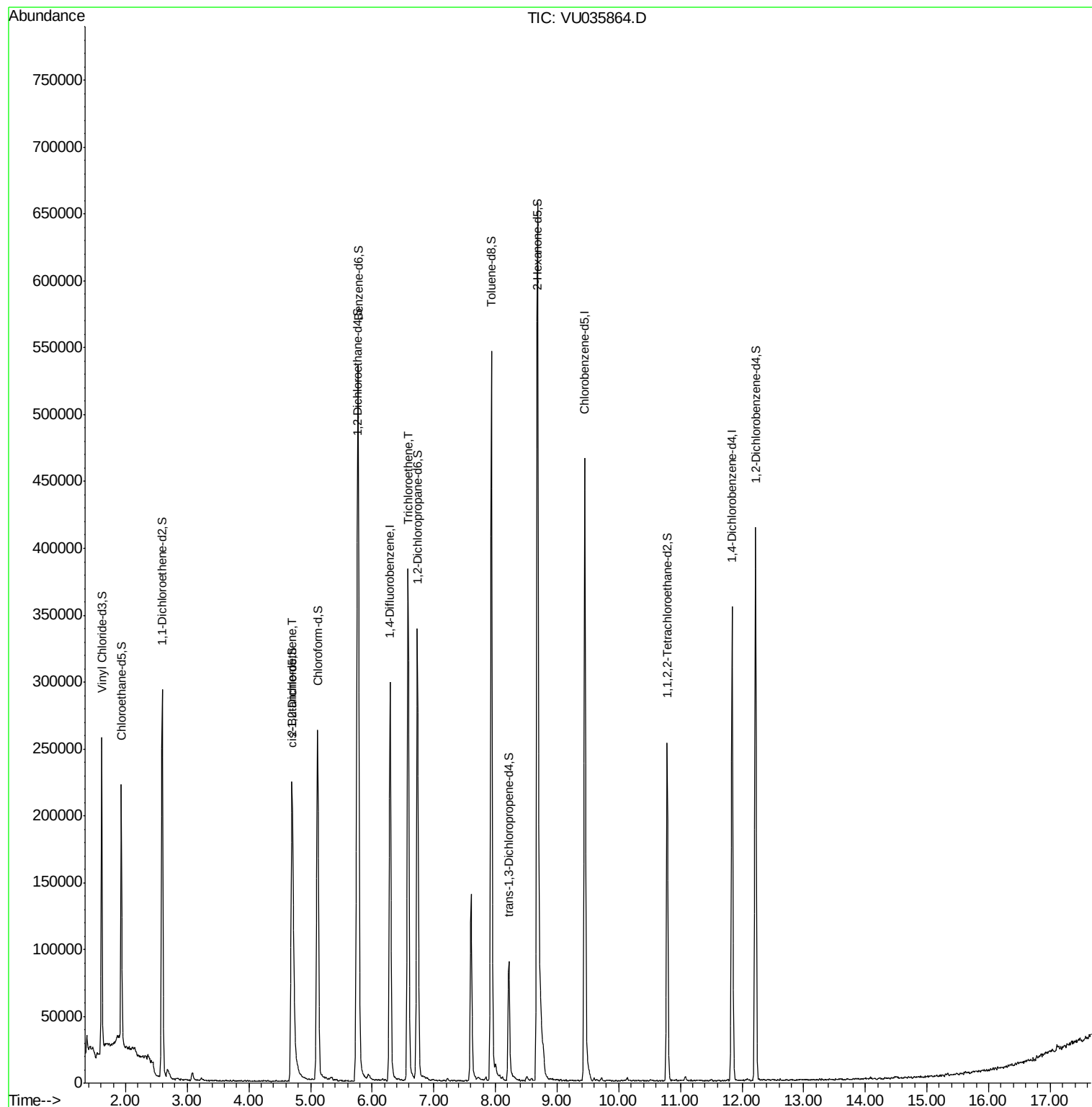
| Target Compounds           |      |    |        |            | Qvalue |
|----------------------------|------|----|--------|------------|--------|
| 22) cis-1,2-Dichloroethene | 4.72 | 96 | 7260   | 0.285 ug/L | 82     |
| 34) Trichloroethene        | 6.58 | 95 | 135020 | 5.054 ug/L | 98     |

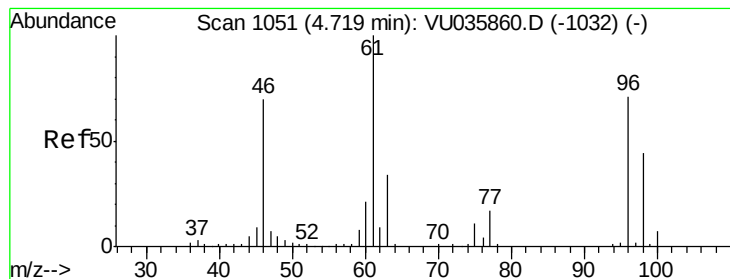
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Nov 27 03:16:13 2019  
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#22

cis-1,2-Dichloroethene

Concen: 0.285 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU035864.D

Acq: 26 Nov 2019 18:06

Instrument :

MSVOA\_U

ClientSampleId :

GARF3DL

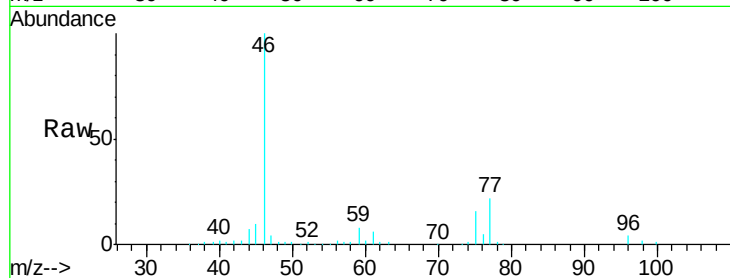
Tgt Ion: 96 Resp: 7260

Ion Ratio Lower Upper

96 100

61 161.5 98.1 182.1

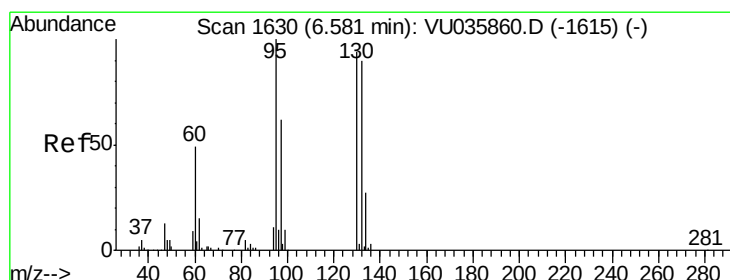
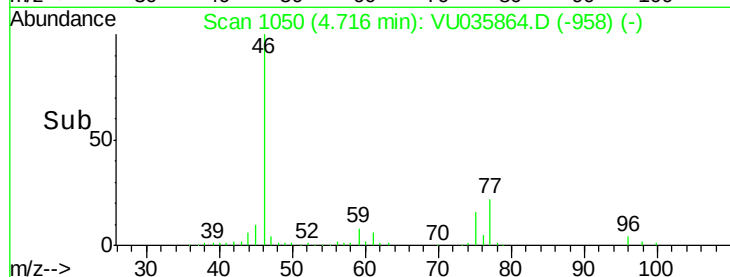
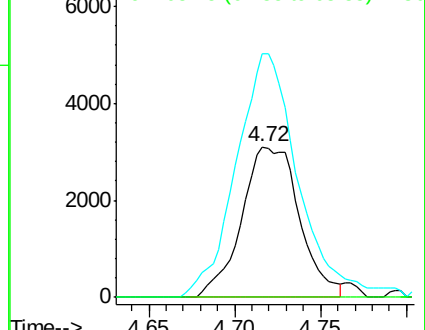
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU035864.D (-1032) (-)

Ion 61.05 (60.75 to 61.75): VU035864.D (-1032) (-)

Ion 68.15 (67.85 to 68.85): VU035864.D (-1032) (-)



#34

Trichloroethene

Concen: 5.054 ug/L

RT: 6.58 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU035864.D

Acq: 26 Nov 2019 18:06

Tgt Ion: 95 Resp: 135020

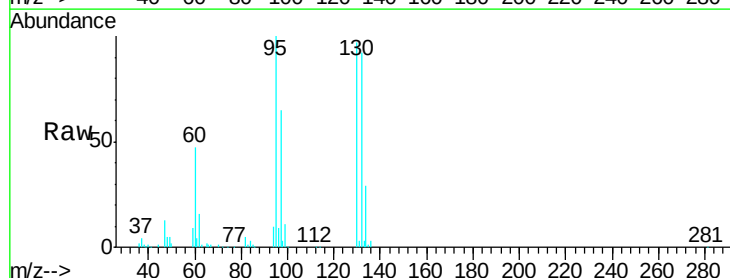
Ion Ratio Lower Upper

95 100

97 64.8 45.1 83.9

132 91.9 61.9 114.9

130 96.5 66.3 123.1



Abundance Ion 95.00 (94.70 to 95.70): VU035864.D (-1615) (-)

Ion 96.95 (96.65 to 97.65): VU035864.D (-1615) (-)

Ion 131.95 (131.65 to 132.65): VU035864.D (-1615) (-)

Ion 129.95 (129.65 to 130.65): VU035864.D (-1615) (-)

