

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU112018\  
 Data File : VU028286.D  
 Acq On : 20 Nov 2018 18:34  
 Operator : MD/SY  
 Sample : J5995-12DL 10X  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 H0FM5DL

Quant Time: Nov 21 07:28:34 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR111718WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Nov 21 07:07:52 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 125476   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 118860   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 50689    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 38440    | 4.07     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 81.40%  |
| 7) Chloroethane-d5             | 1.68   | 69    | 38141    | 4.68     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 93.60%  |
| 11) 1,1-Dichloroethene-d2      | 2.28   | 63    | 58302    | 3.10     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 62.00%  |
| 20) 2-Butanone-d5              | 4.20   | 46    | 179439   | 56.79    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 113.58% |
| 24) Chloroform-d               | 4.65   | 84    | 84445    | 4.79     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 95.80%  |
| 26) 1,2-Dichloroethane-d4      | 5.31   | 65    | 47813    | 4.91     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 98.20%  |
| 32) Benzene-d6                 | 5.34   | 84    | 156945   | 4.59     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 91.80%  |
| 36) 1,2-Dichloropropane-d6     | 6.33   | 67    | 62885    | 5.06     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 101.20% |
| 41) Toluene-d8                 | 7.57   | 98    | 130616   | 4.27     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 85.40%  |
| 43) trans-1,3-Dichloropropene- | 7.85   | 79    | 17124    | 4.32     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 86.40%  |
| 46) 2-Hexanone-d5              | 8.31   | 63    | 126367   | 53.09    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 106.18% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43  | 84    | 48190    | 5.37     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 107.40% |
| 64) 1,2-Dichlorobenzene-d4     | 11.86  | 152   | 49857    | 5.29     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 105.80% |

## Target Compounds

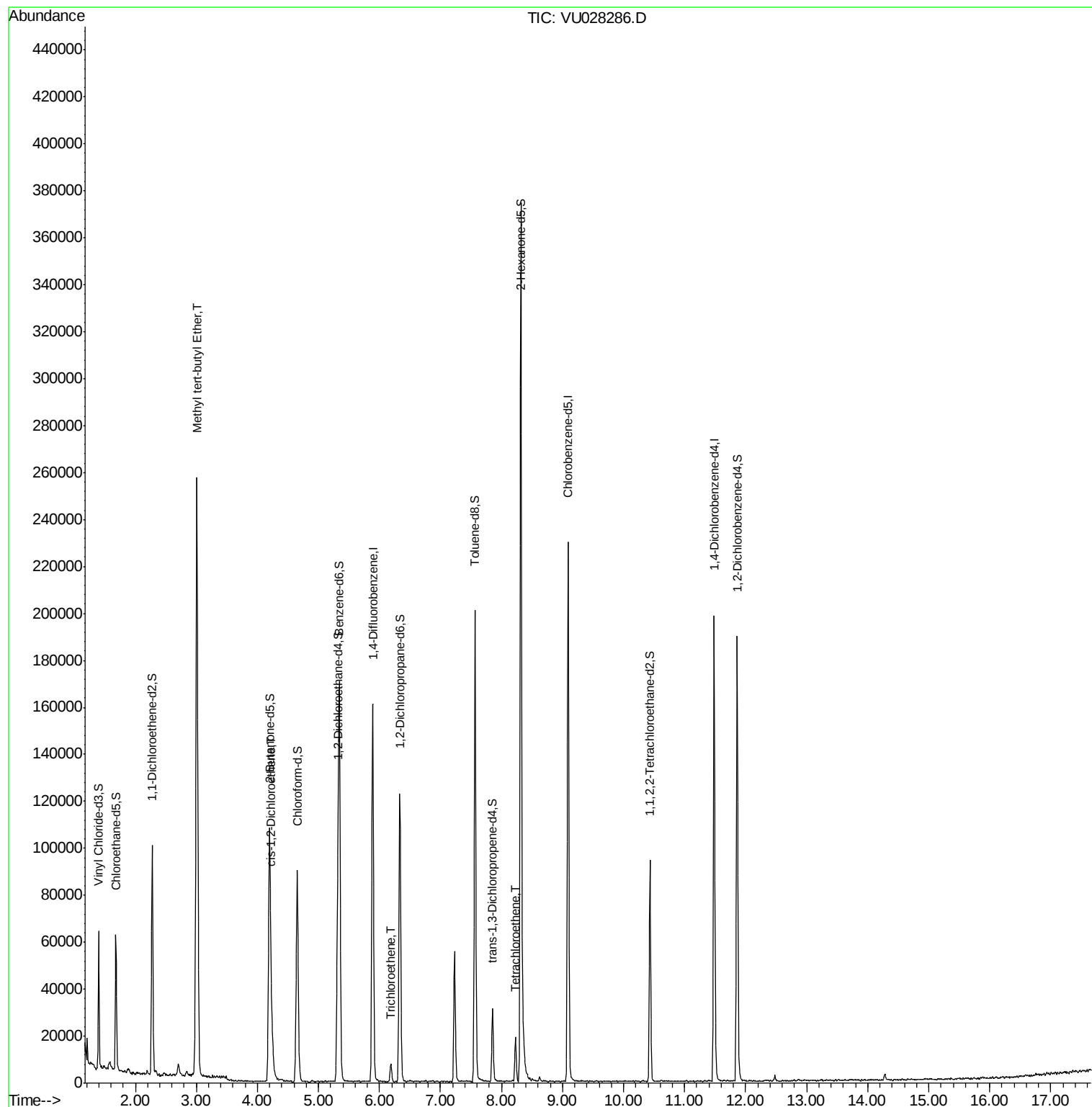
|                             |      |     |        |       |      | Qvalue |
|-----------------------------|------|-----|--------|-------|------|--------|
| 17) Methyl tert-butyl Ether | 3.01 | 73  | 252375 | 10.88 | ug/L | 98     |
| 22) cis-1,2-Dichloroethene  | 4.22 | 96  | 3375   | 0.35  | ug/L | 80     |
| 34) Trichloroethene         | 6.19 | 95  | 2286   | 0.24  | ug/L | 94     |
| 47) Tetrachloroethene       | 8.23 | 164 | 4121   | 0.62  | ug/L | 97     |

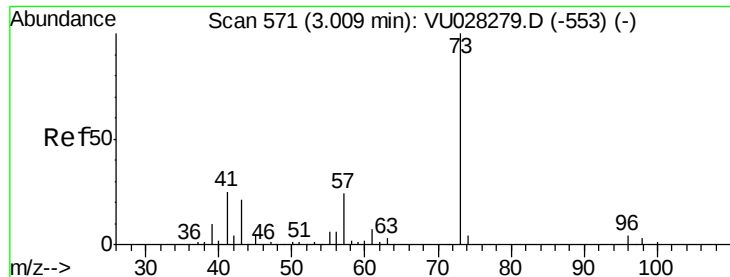
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#17

Methyl tert-butyl Ether

Concen: 10.88 ug/L

RT: 3.01 min Scan# 570

Delta R.T. -0.00 min

Lab File: VU028286.D

Acq: 20 Nov 2018 18:34

Instrument :

MSVOA\_U

ClientSampleId :

H0FM5DL

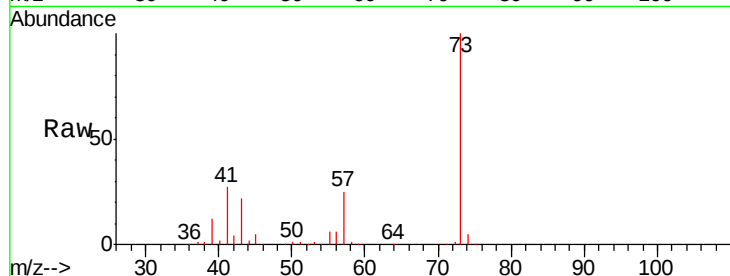
Tgt Ion: 73 Resp: 252375

Ion Ratio Lower Upper

73 100

43 22.2 18.8 28.2

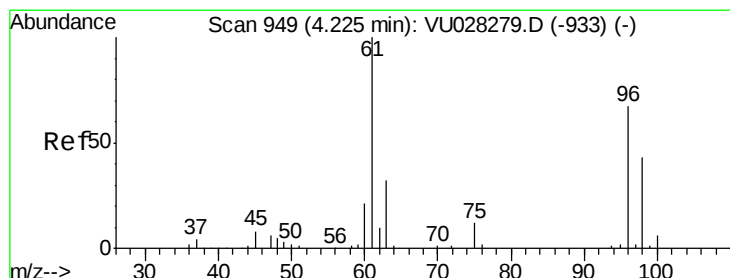
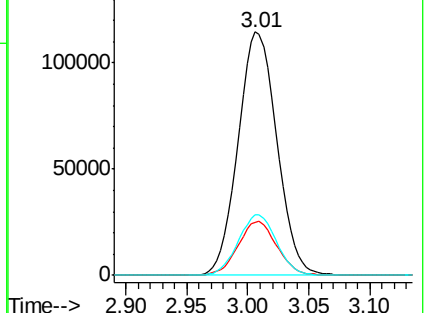
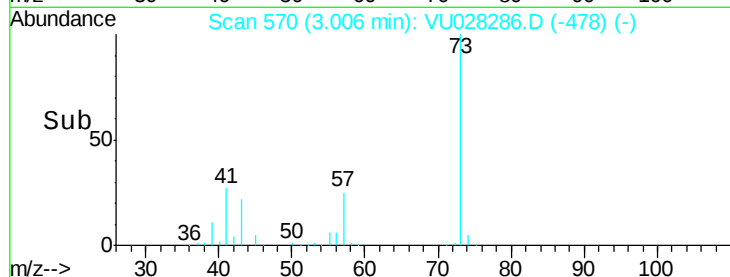
57 24.7 19.2 28.8



Abundance Ion 73.10 (72.80 to 73.80): VU028286.D (-478) (-)

Ion 43.05 (42.75 to 43.75): VU028286.D (-478) (-)

Ion 57.10 (56.80 to 57.80): VU028286.D (-478) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.35 ug/L

RT: 4.22 min Scan# 949

Delta R.T. 0.00 min

Lab File: VU028286.D

Acq: 20 Nov 2018 18:34

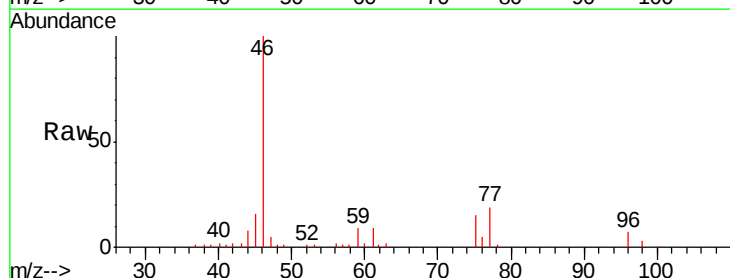
Tgt Ion: 96 Resp: 3375

Ion Ratio Lower Upper

96 100

61 128.7 108.0 200.6

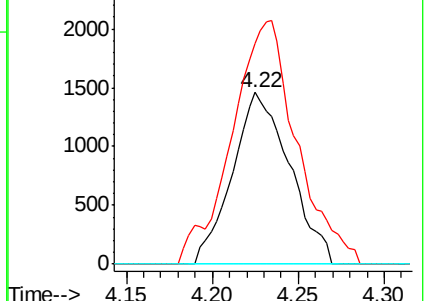
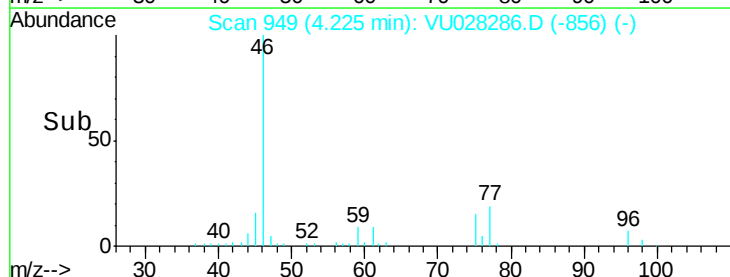
68 0.0 0.0 0.0

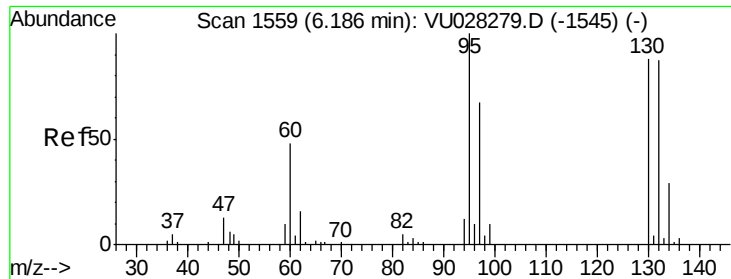


Abundance Ion 96.00 (95.70 to 96.70): VU028286.D (-856) (-)

Ion 61.05 (60.75 to 61.75): VU028286.D (-856) (-)

Ion 68.15 (67.85 to 68.85): VU028286.D (-856) (-)





#34

Trichloroethene

Concen: 0.24 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU028286.D

Acq: 20 Nov 2018 18:34

Instrument :

MSVOA\_U

ClientSampleId :

H0FM5DL

Tgt Ion: 95 Resp: 2286

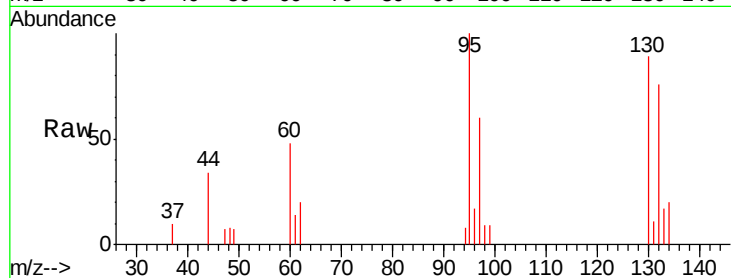
Ion Ratio Lower Upper

95 100

97 59.8 46.5 86.3

132 76.0 58.9 109.3

130 88.6 61.3 113.9

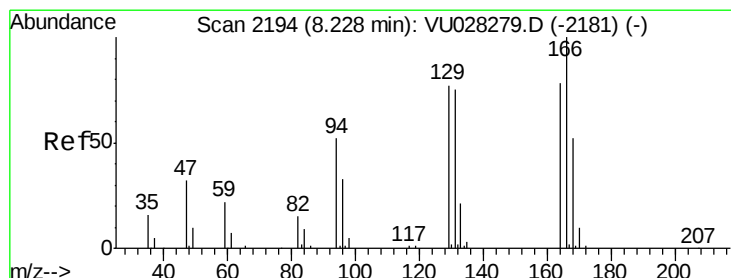
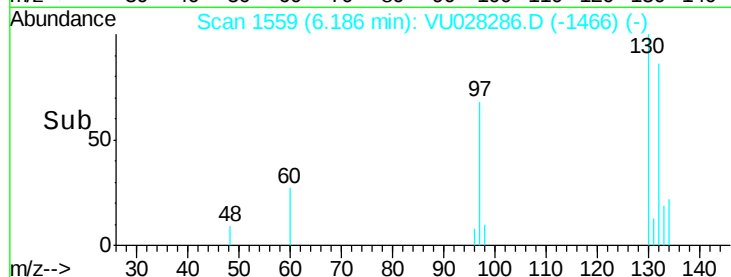
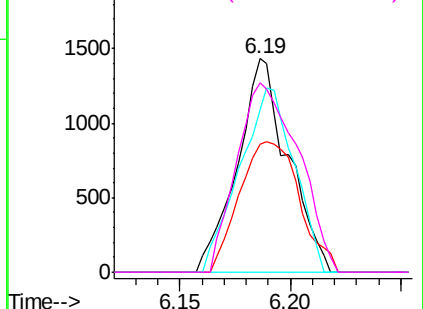


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#47

Tetrachloroethene

Concen: 0.62 ug/L

RT: 8.23 min Scan# 2195

Delta R.T. 0.00 min

Lab File: VU028286.D

Acq: 20 Nov 2018 18:34

Tgt Ion: 164 Resp: 4121

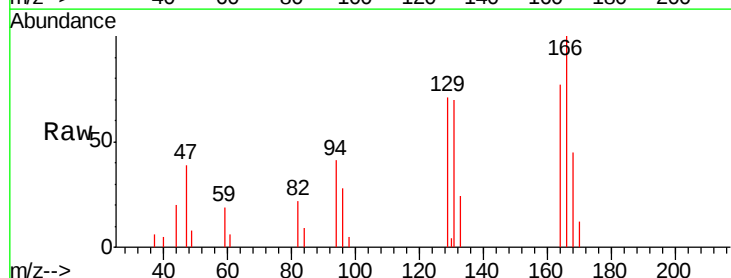
Ion Ratio Lower Upper

164 100

129 92.6 67.6 125.6

131 91.4 66.3 123.1

166 130.3 89.2 165.6



Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

