

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102419\  
 Data File : VU035457.D  
 Acq On : 24 Oct 2019 14:06  
 Operator : JC/SP  
 Sample : K5488-09  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 H0G51

Quant Time: Oct 25 07:31:07 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR101719WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Oct 25 07:04:30 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.30  | 114  | 208773   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.45  | 117  | 218392   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.84 | 152  | 62327    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.62   | 65    | 42931    | 3.37     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 67.40%  |
| 7) Chloroethane-d5             | 1.94   | 69    | 48007    | 4.13     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 82.60%  |
| 11) 1,1-Dichloroethene-d2      | 2.60   | 63    | 60597    | 2.57     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 51.40%# |
| 20) 2-Butanone-d5              | 4.70   | 46    | 188628   | 51.56    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 103.12% |
| 24) Chloroform-d               | 5.12   | 84    | 104493   | 4.49     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 89.80%  |
| 26) 1,2-Dichloroethane-d4      | 5.75   | 65    | 63781    | 4.95     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 99.00%  |
| 32) Benzene-d6                 | 5.77   | 84    | 185269   | 3.71     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 74.20%  |
| 36) 1,2-Dichloropropane-d6     | 6.74   | 67    | 71884    | 4.53     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 90.60%  |
| 41) Toluene-d8                 | 7.94   | 98    | 140212   | 2.93     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 58.60%# |
| 43) trans-1,3-Dichloropropene- | 8.22   | 79    | 25063    | 3.26     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 65.20%  |
| 46) 2-Hexanone-d5              | 8.70   | 63    | 123530   | 36.40    | ug/L | 0.02    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 72.80%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.79  | 84    | 67093    | 4.75     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 95.00%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.22  | 152   | 46491    | 4.10     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 82.00%  |

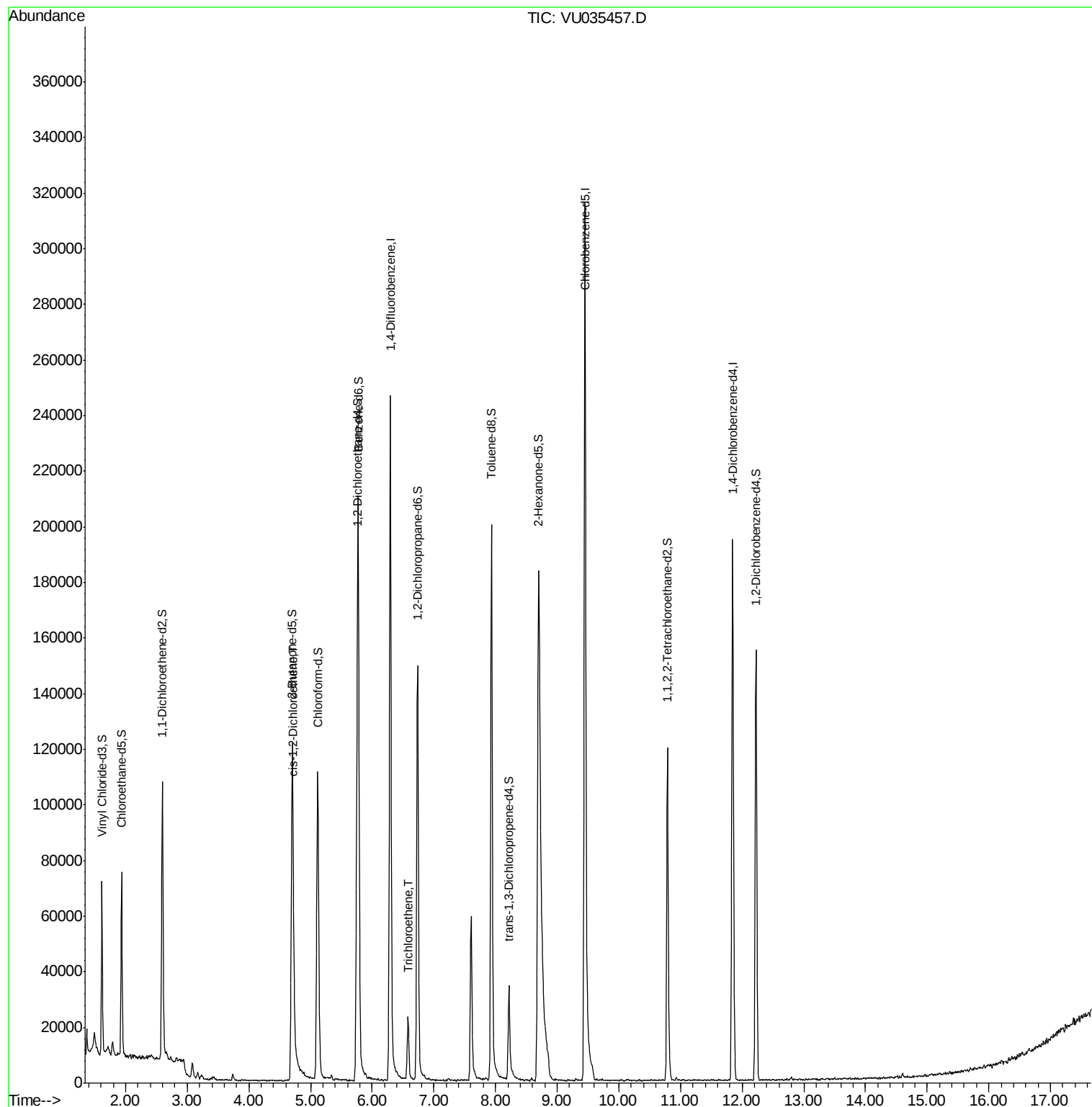
| Target Compounds           |      |    |      |            | Ovalue |
|----------------------------|------|----|------|------------|--------|
| 22) cis-1,2-Dichloroethene | 4.73 | 96 | 4218 | 0.264 ug/L | 92     |
| 34) Trichloroethene        | 6.58 | 95 | 7473 | 0.433 ug/L | 95     |

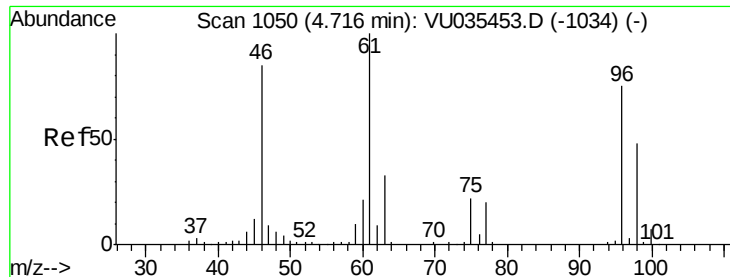
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Oct 25 07:04:30 2019  
Response via : Initial Calibration





#22

cis-1,2-Dichloroethene

Concen: 0.264 ug/L

RT: 4.73 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VU035457.D

Acq: 24 Oct 2019 14:06

Instrument :

MSVOA\_U

ClientSampleId :

H0G51

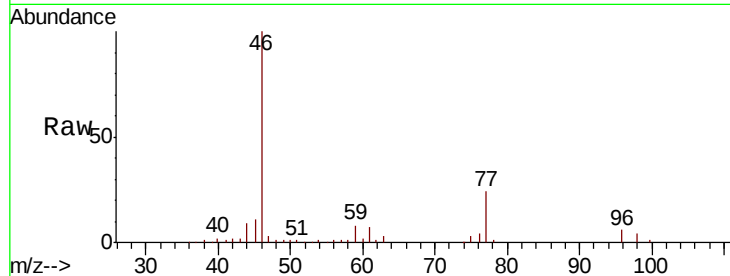
Tot Ion: 96 Resp: 4218

Ion Ratio Lower Upper

96 100

61 118.5 89.7 166.5

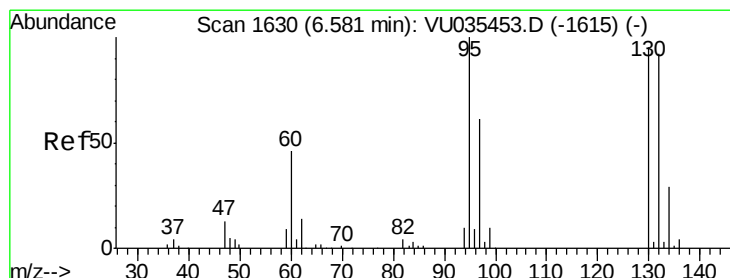
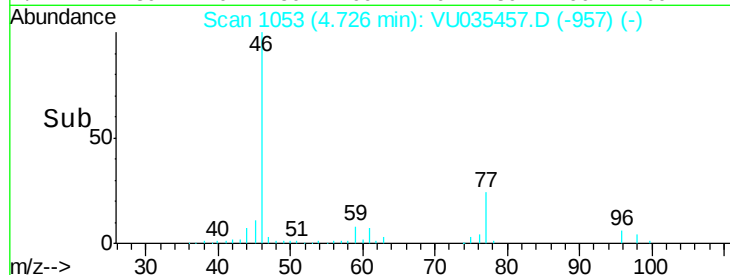
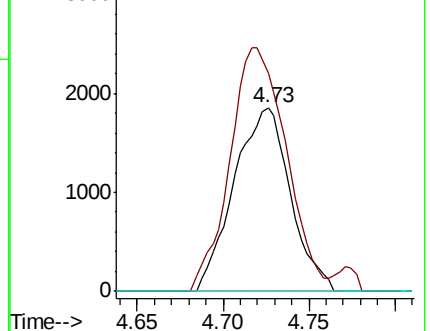
68 0.0 0.0 0.0



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: 0.433 ug/L

RT: 6.58 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU035457.D

Acq: 24 Oct 2019 14:06

Tgt Ion: 95 Resp: 7473

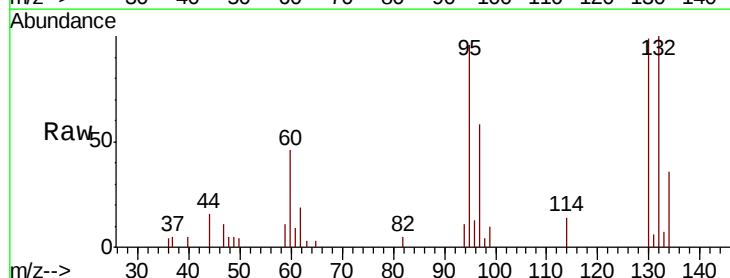
Ion Ratio Lower Upper

95 100

97 60.1 46.6 86.6

132 103.6 68.7 127.7

130 102.7 73.9 137.3



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

