

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU093020\  
 Data File : VU040397.D  
 Acq On : 30 Sep 2020 14:30  
 Operator : SY/MD  
 Sample : L4186-12  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BG0F2

Quant Time: Oct 01 03:39:07 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR092920WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Oct 01 03:05:40 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.26  | 114  | 119304   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 124489   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 53424    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.60   | 65    | 26861    | 4.55     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 91.00%  |
| 7) Chloroethane-d5             | 1.92   | 69    | 26014    | 5.03     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 100.60% |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 43409    | 3.06     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 61.20%  |
| 20) 2-Butanone-d5              | 4.65   | 46    | 154357   | 52.61    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 105.22% |
| 24) Chloroform-d               | 5.08   | 84    | 70350    | 5.00     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 100.00% |
| 26) 1,2-Dichloroethane-d4      | 5.72   | 65    | 43002    | 5.02     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 100.40% |
| 32) Benzene-d6                 | 5.75   | 84    | 122414   | 4.89     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 97.80%  |
| 36) 1,2-Dichloropropane-d6     | 6.70   | 67    | 44539    | 4.86     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 97.20%  |
| 41) Toluene-d8                 | 7.91   | 98    | 93037    | 4.28     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 85.60%  |
| 43) trans-1,3-Dichloropropene- | 8.19   | 79    | 16116    | 4.31     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 86.20%  |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 102573   | 46.67    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 93.34%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75  | 84    | 43499    | 4.88     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 97.60%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 43849    | 5.41     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 108.20% |

## Target Compounds

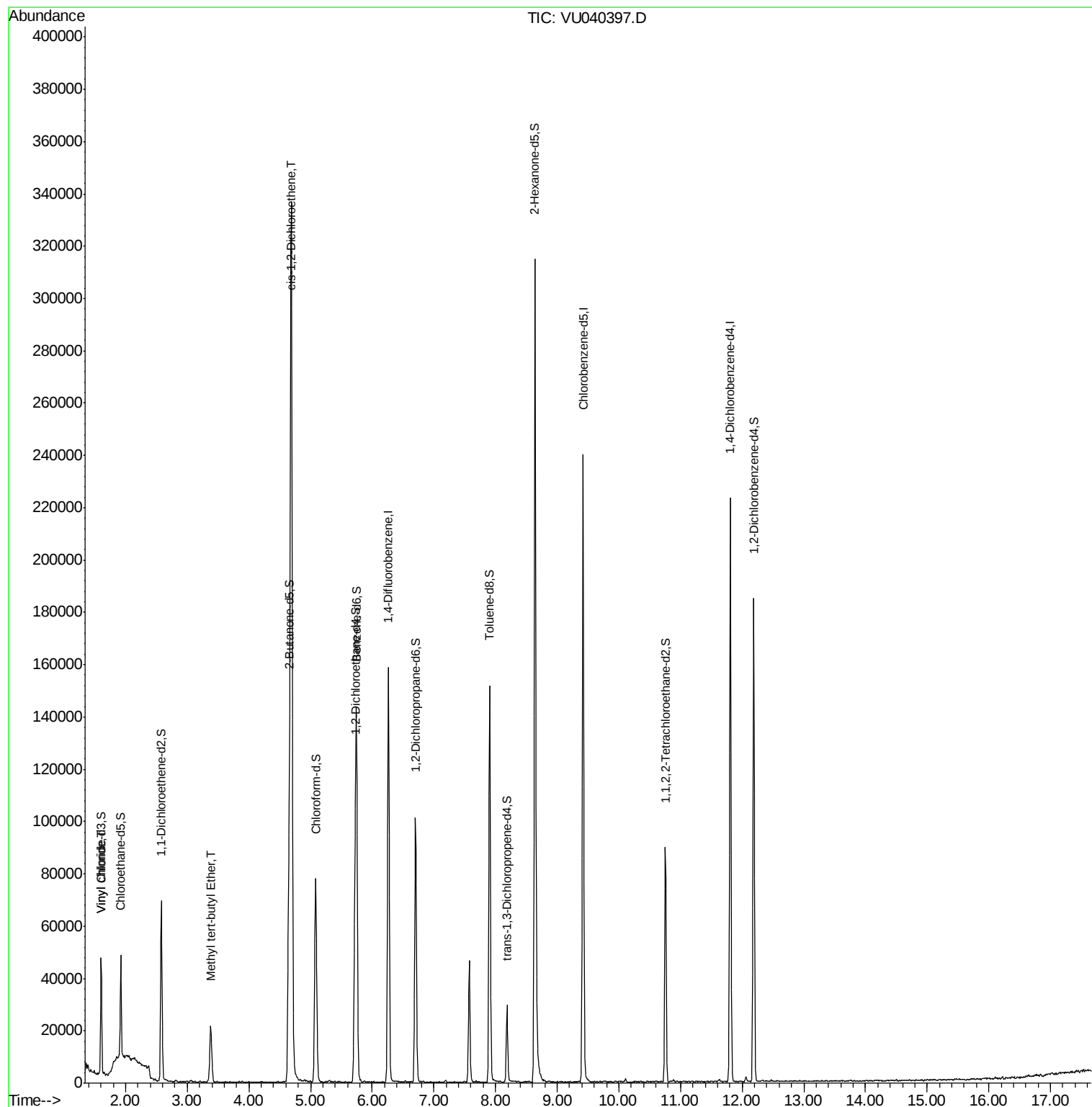
|                             |      |    |        |             | Ovalue |
|-----------------------------|------|----|--------|-------------|--------|
| 5) Vinyl chloride           | 1.61 | 62 | 3510   | 0.304 ug/L  | 88     |
| 17) Methyl tert-butyl Ether | 3.38 | 73 | 21346  | 0.853 ug/L  | 100    |
| 22) cis-1,2-Dichloroethene  | 4.69 | 96 | 152810 | 14.703 ug/L | 96     |

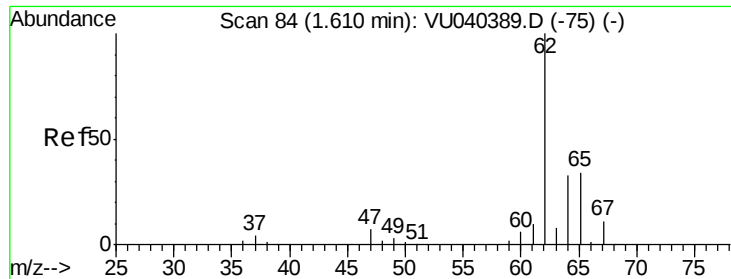
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.304 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040397.D

Acq: 30 Sep 2020 14:30

Instrument :

MSVOA\_U

ClientSampleId :

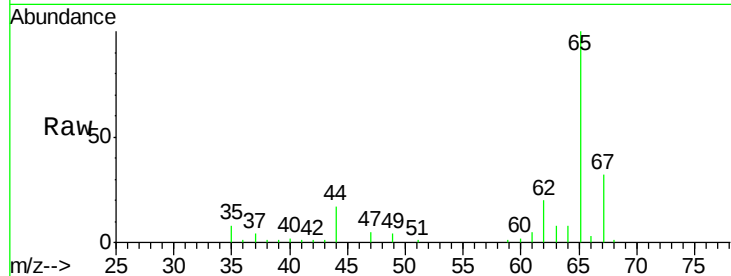
BG0F2

Tot Ion: 62 Resp: 3510

Ion Ratio Lower Upper

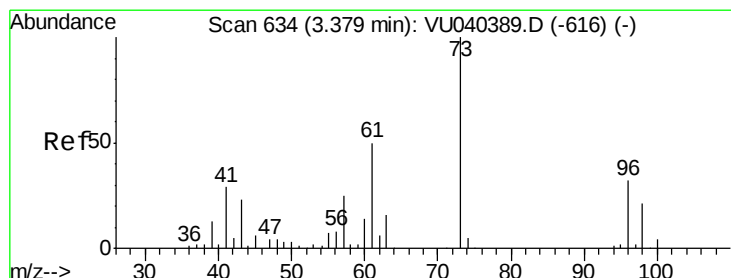
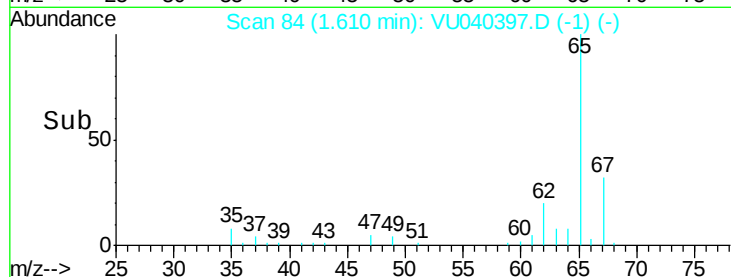
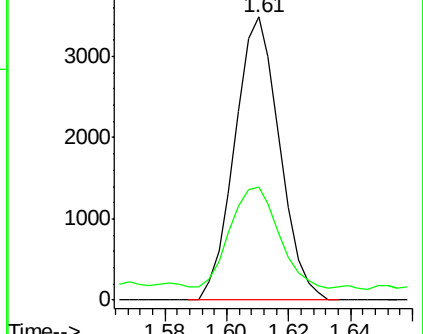
62 100

64 39.9 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#17

Methyl tert-butyl Ether

Concen: 0.853 ug/L

RT: 3.38 min Scan# 635

Delta R.T. 0.00 min

Lab File: VU040397.D

Acq: 30 Sep 2020 14:30

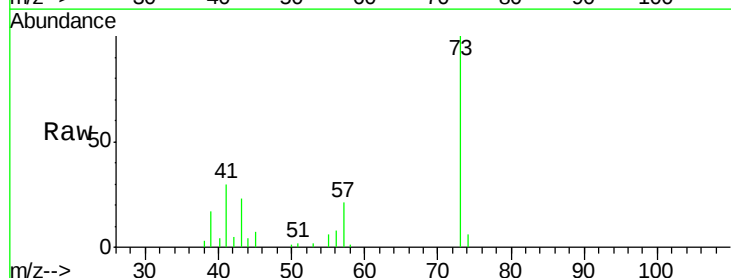
Tgt Ion: 73 Resp: 21346

Ion Ratio Lower Upper

73 100

43 23.7 19.0 28.4

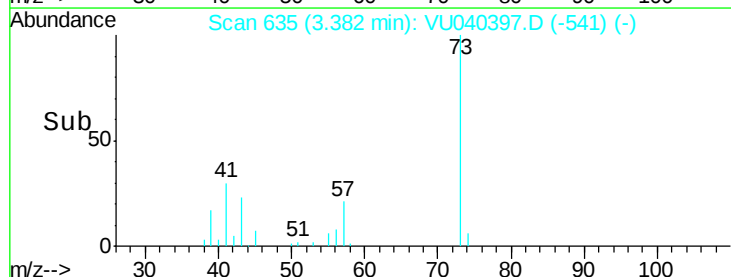
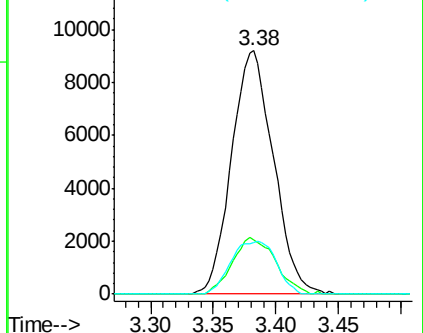
57 23.5 18.9 28.3

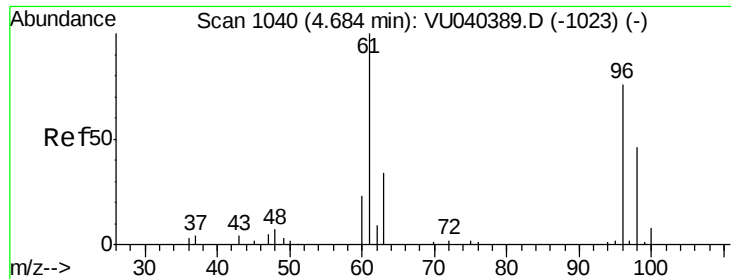


Abundance Ion 73.10 (72.80 to 73.80): VU0

Ion 43.05 (42.75 to 43.75): VU0

Ion 57.10 (56.80 to 57.80): VU0

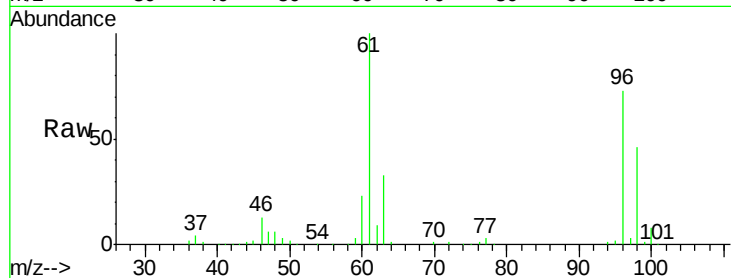




#22  
 cis-1,2-Dichloroethene  
 Concen: 14.703 ug/L  
 RT: 4.69 min Scan# 1041  
 Delta R.T. 0.00 min  
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Tot Ion: 96 Resp: 152810  
 Ion Ratio Lower Upper  
 96 100  
 61 137.5 99.3 184.5  
 68 0.0 0.0 0.0



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

