

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061320\  
 Data File : VU038875.D  
 Acq On : 13 Jun 2020 02:04  
 Operator : SY/MD  
 Sample : L2985-02  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFT70

Quant Time: Jun 13 03:54:25 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR061220WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Sat Jun 13 02:52:53 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 266088   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 266410   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.82 | 152  | 121873   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 63833    | 4.40     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 88.00%   |
| 7) Chloroethane-d5             | 1.93   | 69    | 61587    | 5.29     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 105.80%  |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 103757   | 3.15     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 63.00%   |
| 20) 2-Butanone-d5              | 4.68   | 46    | 309995   | 68.11    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 136.22%# |
| 24) Chloroform-d               | 5.10   | 84    | 172953   | 5.39     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 107.80%  |
| 26) 1,2-Dichloroethane-d4      | 5.74   | 65    | 104112   | 5.74     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 114.80%  |
| 32) Benzene-d6                 | 5.76   | 84    | 321158   | 5.16     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 103.20%  |
| 36) 1,2-Dichloropropane-d6     | 6.72   | 67    | 103169   | 5.54     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 110.80%  |
| 41) Toluene-d8                 | 7.92   | 98    | 256252   | 4.49     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 89.80%   |
| 43) trans-1,3-Dichloropropene- | 8.20   | 79    | 36235    | 4.38     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 87.60%   |
| 46) 2-Hexanone-d5              | 8.66   | 63    | 259827   | 70.70    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 141.40%# |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77  | 84    | 97505    | 5.98     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 119.60%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.20  | 152   | 113013   | 5.70     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 114.00%  |

## Target Compounds

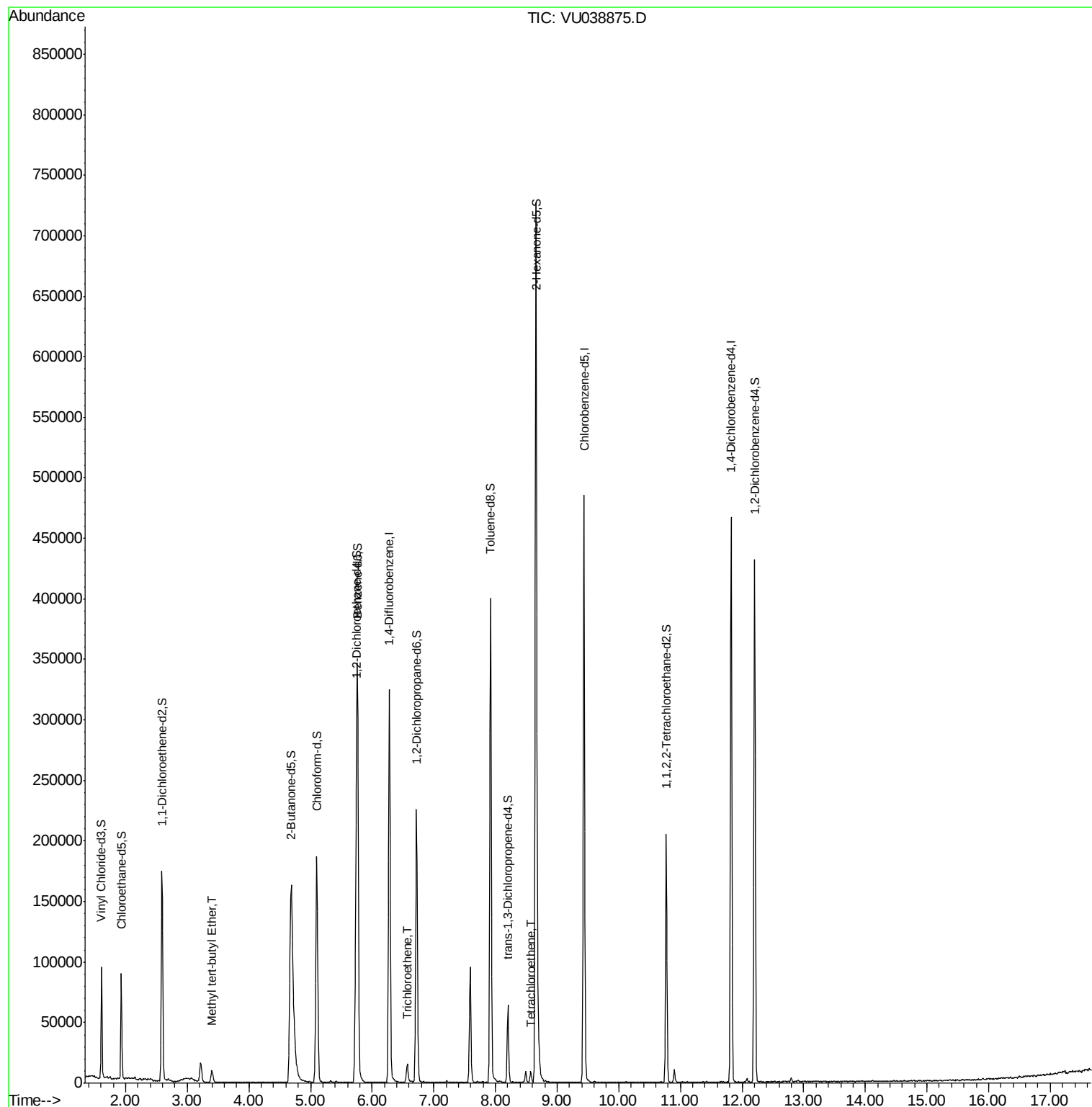
|                             |      |     |       |              | Ovalue |
|-----------------------------|------|-----|-------|--------------|--------|
| 17) Methyl tert-butyl Ether | 3.40 | 73  | 10442 | 0.217 ug/L # | 85     |
| 34) Trichloroethene         | 6.57 | 95  | 4535  | 0.216 ug/L   | 92     |
| 47) Tetrachloroethene       | 8.57 | 164 | 2051  | 0.127 ug/L   | 96     |

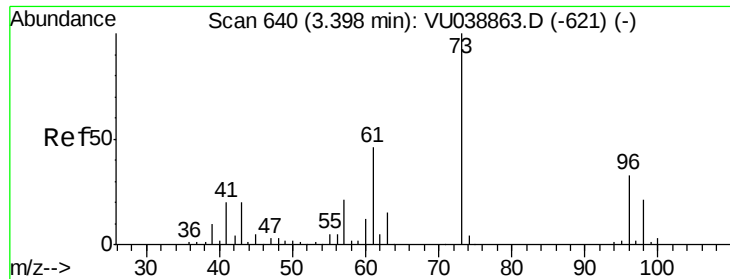
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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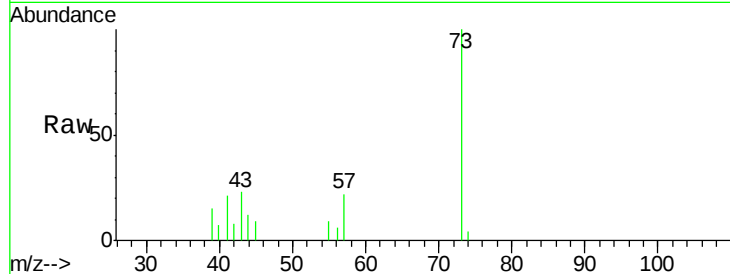




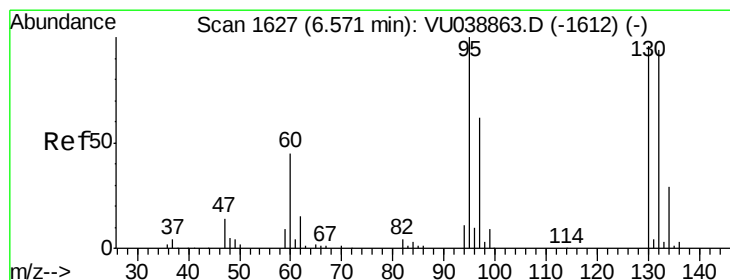
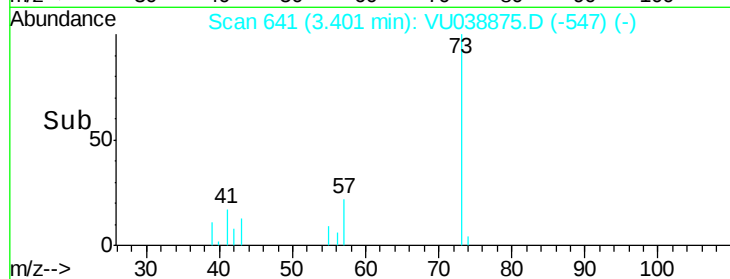
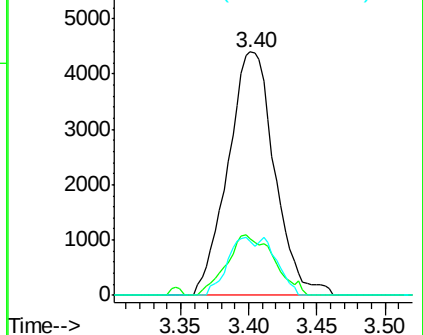
#17  
Methvl tert-butvl Ether  
Concen: 0.217 ug/L  
RT: 3.40 min Scan# 641  
Delta R.T. 0.00 min  
Lab File: VU038875.D  
Acq: 13 Jun 2020 02:04

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFT70

Tot Ion: 73 Resp: 10442  
Ion Ratio Lower Upper  
73 100  
43 25.4 15.9 23.9#  
57 13.8 17.5 26.3#

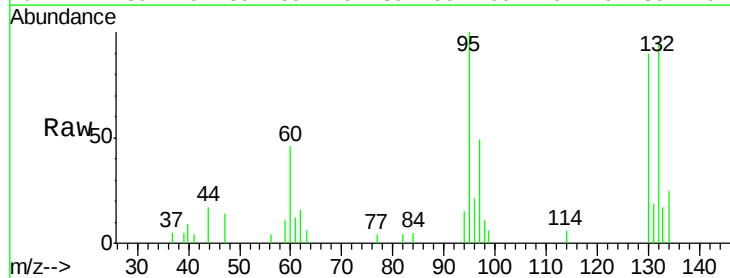


Abundance Ion 73.10 (72.80 to 73.80): VU0  
Ion 43.05 (42.75 to 43.75): VU0  
Ion 57.10 (56.80 to 57.80): VU0

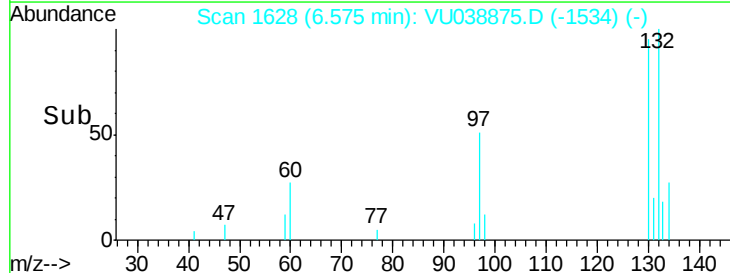
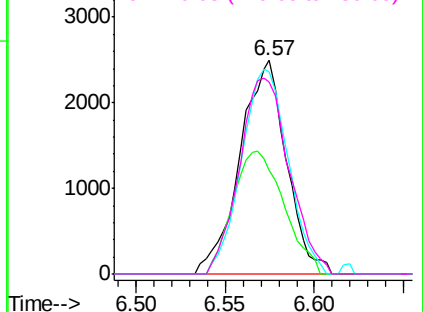


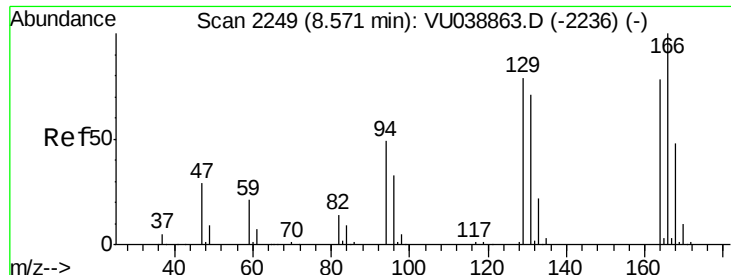
#34  
Trichloroethene  
Concen: 0.216 ug/L  
RT: 6.57 min Scan# 1628  
Delta R.T. 0.00 min  
Lab File: VU038875.D  
Acq: 13 Jun 2020 02:04

Tgt Ion: 95 Resp: 4535  
Ion Ratio Lower Upper  
95 100  
97 48.5 46.1 85.5  
132 94.6 67.5 125.3  
130 89.7 66.7 123.9



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: 0.127 ug/L

RT: 8.57 min Scan# 2249

Delta R.T. -0.00 min

Lab File: VU038875.D

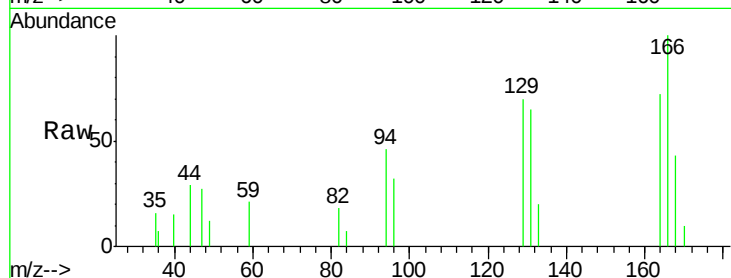
Acq: 13 Jun 2020 02:04

Instrument :

MSVOA\_U

ClientSampleId :

BFT70



Tot Ion:164 Resp: 2051

Ion Ratio Lower Upper

164 100

129 97.2 67.3 124.9

131 89.7 65.0 120.6

166 139.0 91.0 169.0

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

