

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060920\  
 Data File : VU038710.D  
 Acq On : 09 Jun 2020 09:52  
 Operator : SY/MD  
 Sample : VIBLK  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VIBLK30

Quant Time: Jun 10 00:35:19 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM060820WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Jun 10 00:33:15 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 750088   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 727690   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 356406   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61    | 65    | 191908   | 45.79    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 91.58%  |
| 7) Chloroethane-d5             | 1.93    | 69    | 152576   | 46.93    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 93.86%  |
| 11) 1,1-Dichloroethene-d2      | 2.59    | 63    | 299216   | 32.76    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 65.52%  |
| 21) 2-Butanone-d5              | 4.66    | 46    | 393556   | 96.53    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 96.53%  |
| 24) Chloroform-d               | 5.10    | 84    | 384399   | 42.54    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 85.08%  |
| 26) 1,2-Dichloroethane-d4      | 5.74    | 65    | 258583   | 43.18    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 86.36%  |
| 32) Benzene-d6                 | 5.76    | 84    | 816571   | 46.58    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.16%  |
| 36) 1,2-Dichloropropane-d6     | 6.72    | 67    | 253682   | 46.96    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 93.92%  |
| 41) Toluene-d8                 | 7.92    | 98    | 720422   | 45.48    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 90.96%  |
| 43) trans-1,3-Dichloropropene- | 8.20    | 79    | 121041   | 44.50    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 89.00%  |
| 47) 2-Hexanone-d5              | 8.66    | 63    | 298215   | 103.71   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 103.71% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77   | 84    | 357599   | 44.38    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 88.76%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.20   | 152   | 287065   | 46.39    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 92.78%  |

## Target Compounds

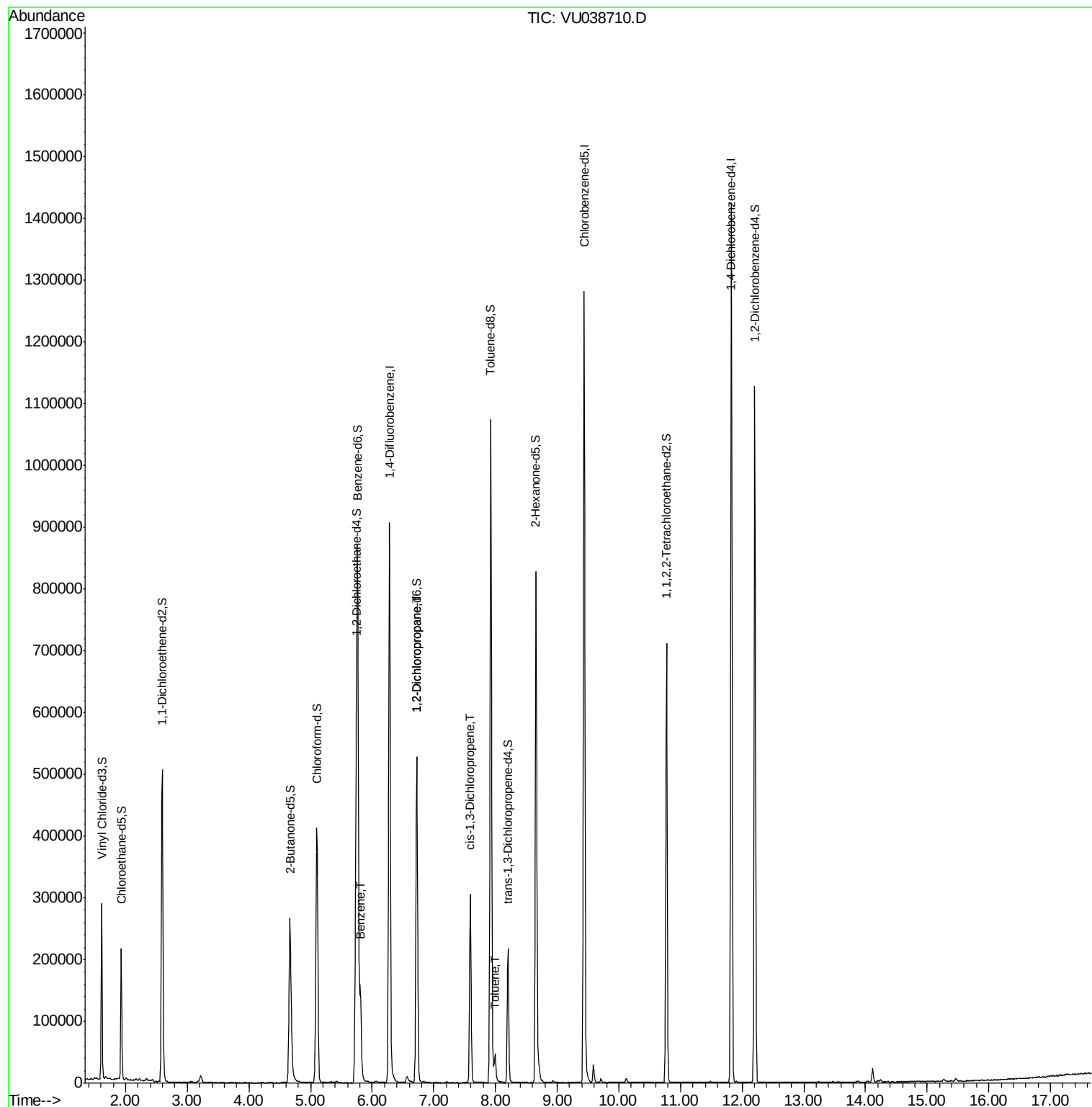
|                             |      |    |        |              | Ovalue |
|-----------------------------|------|----|--------|--------------|--------|
| 33) Benzene                 | 5.81 | 78 | 143945 | 6.661 ug/L   | 100    |
| 37) 1,2-Dichloropropane     | 6.72 | 63 | 25764  | 4.575 ug/L # | 87     |
| 39) cis-1,3-Dichloropropene | 7.59 | 75 | 7860   | 0.905 ug/L # | 81     |
| 42) Toluene                 | 8.00 | 91 | 27299  | 1.208 ug/L   | 99     |

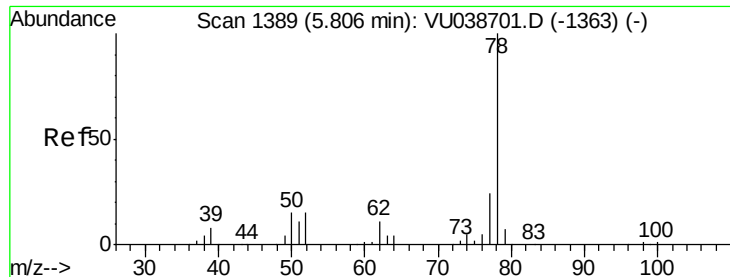
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#33

Benzene

Concen: 6.661 ug/L

RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VU038710.D

Acq: 09 Jun 2020 09:52

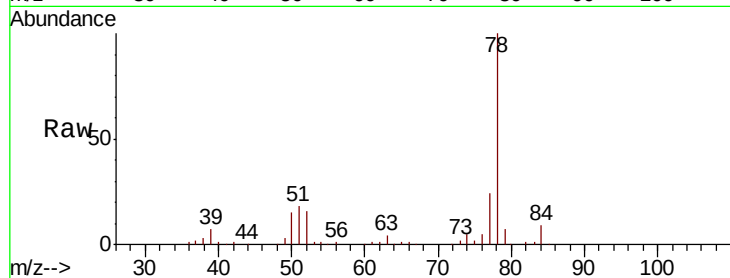
Instrument :

MSVOA\_U

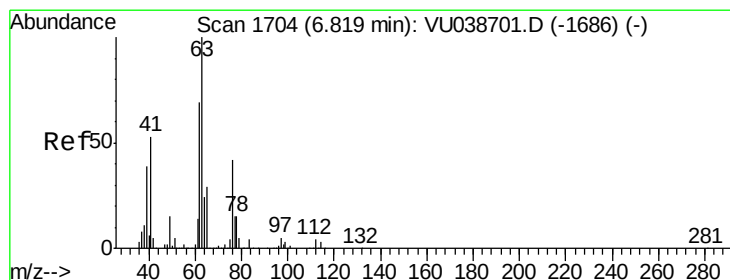
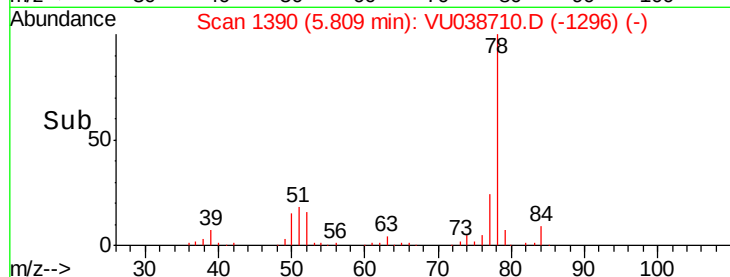
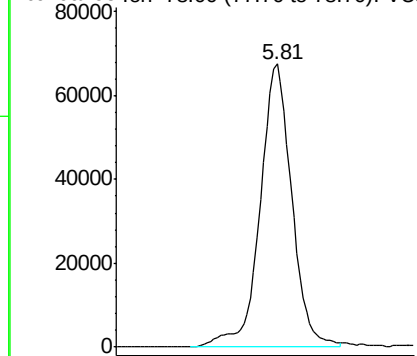
ClientSampleId :

VIBLK30

Tgt Ion: 78 Resp: 143945



Abundance Ion 78.00 (77.70 to 78.70): VU0



#37

1,2-Dichloropropane

Concen: 4.575 ug/L

RT: 6.72 min Scan# 1674

Delta R.T. -0.10 min

Lab File: VU038710.D

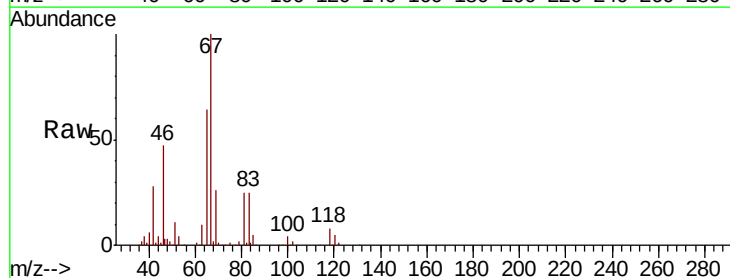
Acq: 09 Jun 2020 09:52

Tgt Ion: 63 Resp: 25764

Ion Ratio Lower Upper

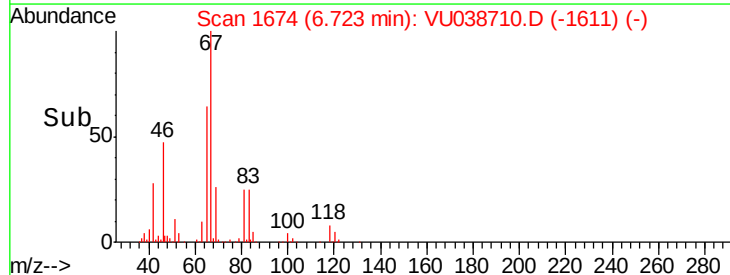
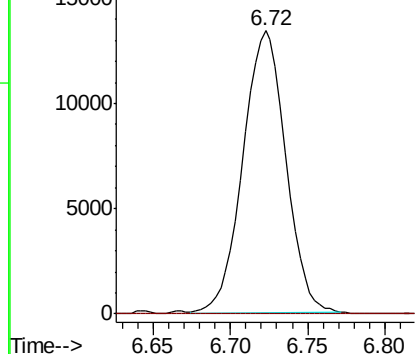
63 100

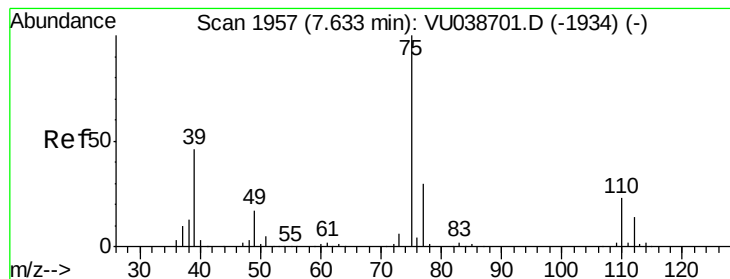
112 0.0 3.4 5.2#



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V



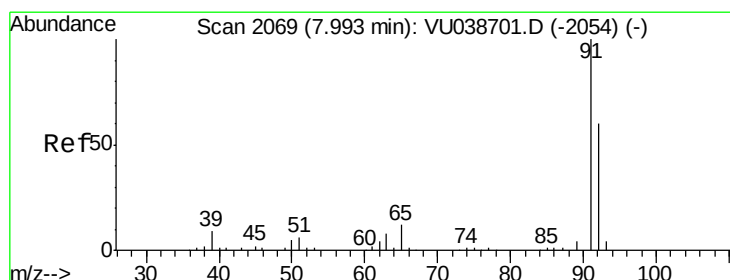
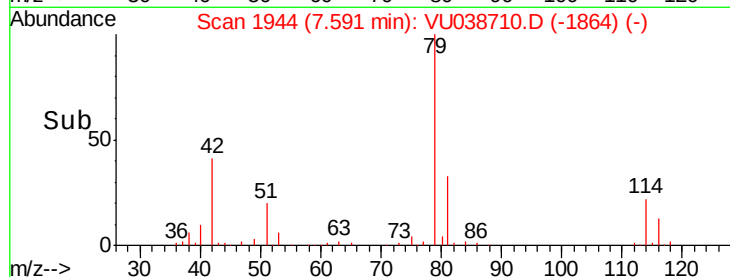
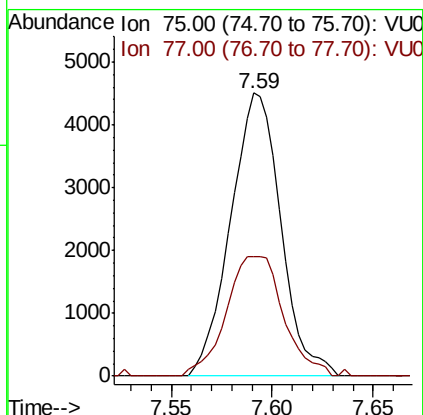
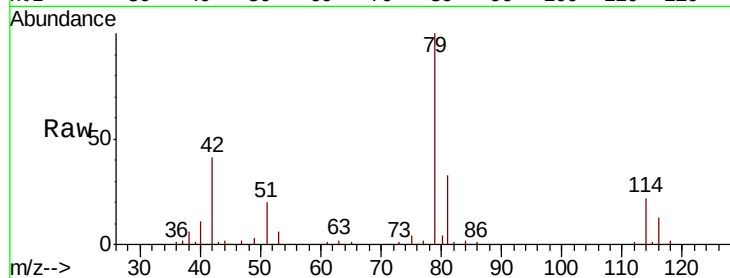


#39

cis-1,3-Dichloropropene  
 Concen: 0.905 ug/L  
 RT: 7.59 min Scan# 1944  
 Delta R.T. -0.04 min  
 Lab File: VU038710.D  
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Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VIBLK30

Tot Ion: 75 Resp: 7860  
 Ion Ratio Lower Upper  
 75 100  
 77 42.3 22.2 41.2#



#42

Toluene  
 Concen: 1.208 ug/L  
 RT: 8.00 min Scan# 2070  
 Delta R.T. 0.00 min  
 Lab File: VU038710.D  
 Acq: 09 Jun 2020 09:52

Tgt Ion: 91 Resp: 27299  
 Ion Ratio Lower Upper  
 91 100  
 92 61.4 42.2 78.4

