

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050620\  
 Data File : VU038025.D  
 Acq On : 06 May 2020 16:58  
 Operator : JC/MD  
 Sample : L2488-06  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: May 07 01:06:26 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM043020WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu May 07 01:04:11 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 715823   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 705372   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 326269   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61    | 65    | 231449   | 36.76    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 73.52%  |
| 7) Chloroethane-d5             | 1.93    | 69    | 213769   | 41.74    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 83.48%  |
| 11) 1,1-Dichloroethene-d2      | 2.59    | 63    | 304772   | 29.59    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 59.18%# |
| 21) 2-Butanone-d5              | 4.66    | 46    | 481793   | 97.90    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 97.90%  |
| 24) Chloroform-d               | 5.10    | 84    | 408892   | 41.94    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 83.88%  |
| 26) 1,2-Dichloroethane-d4      | 5.74    | 65    | 300907   | 44.43    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 88.86%  |
| 32) Benzene-d6                 | 5.76    | 84    | 895850   | 43.09    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 86.18%  |
| 36) 1,2-Dichloropropane-d6     | 6.72    | 67    | 301211   | 43.69    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 87.38%  |
| 41) Toluene-d8                 | 7.92    | 98    | 806527   | 42.29    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 84.58%  |
| 43) trans-1,3-Dichloropropene- | 8.20    | 79    | 133038   | 41.16    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 82.32%  |
| 47) 2-Hexanone-d5              | 8.65    | 63    | 277482   | 92.55    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 92.55%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77   | 84    | 437917   | 44.09    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 88.18%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.20   | 152   | 294994   | 43.24    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 86.48%  |

## Target Compounds

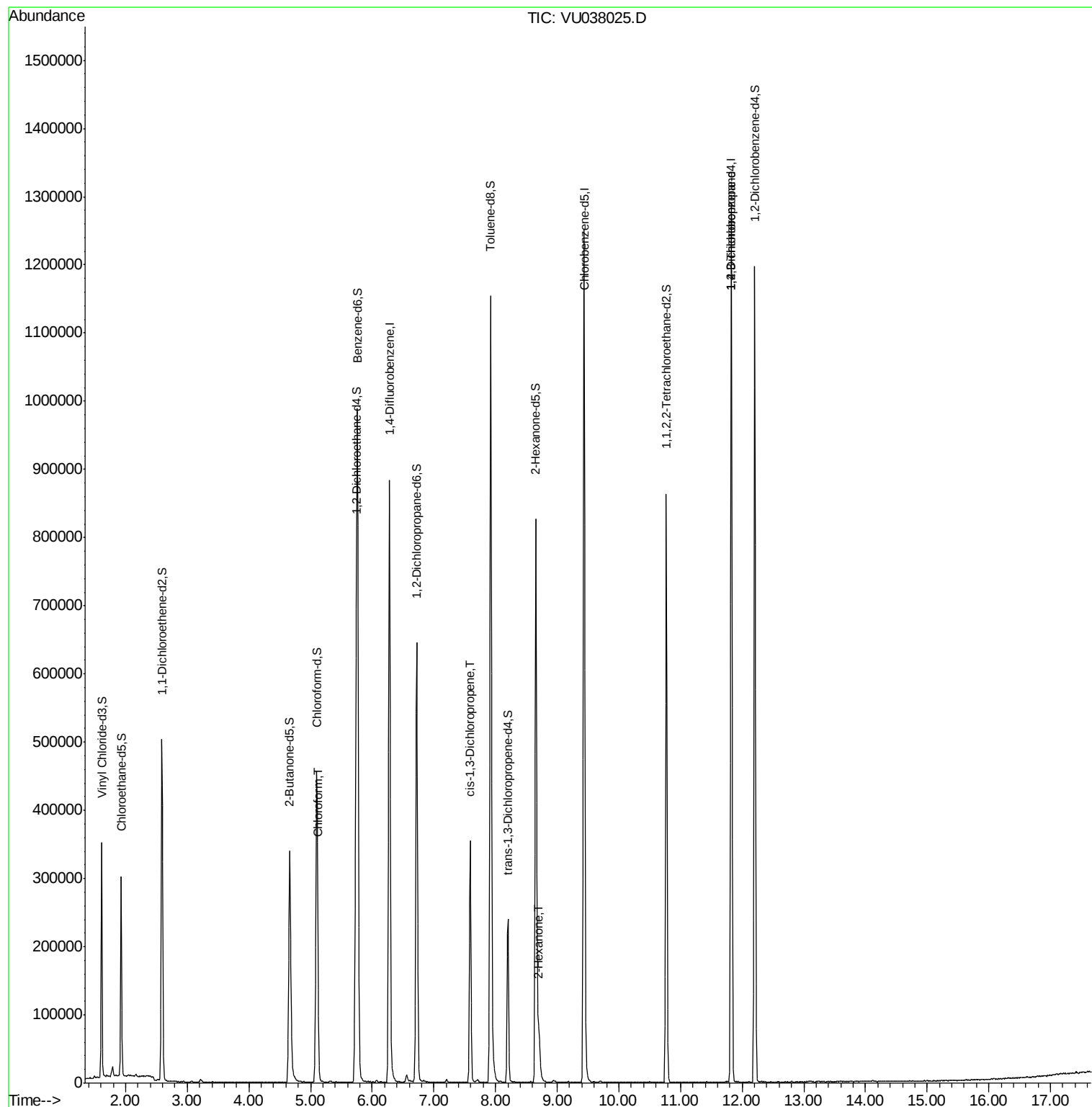
|                             |       |    |       |              | Ovalue |
|-----------------------------|-------|----|-------|--------------|--------|
| 25) Chloroform              | 5.12  | 83 | 15971 | 1.650 ug/L   | 88     |
| 39) cis-1,3-Dichloropropene | 7.59  | 75 | 7783  | 0.861 ug/L # | 70     |
| 48) 2-Hexanone              | 8.71  | 43 | 48447 | 6.154 ug/L # | 93     |
| 59) 1,2,3-Trichloropropane  | 11.83 | 75 | 44744 | 5.474 ug/L   | 93     |

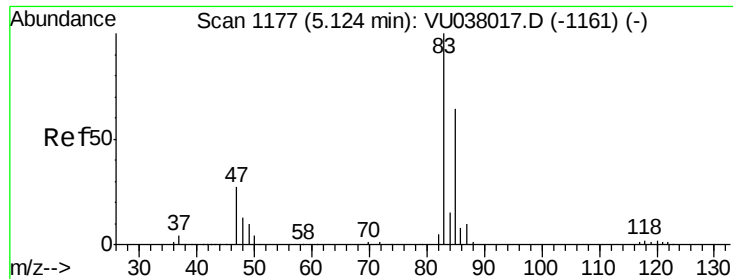
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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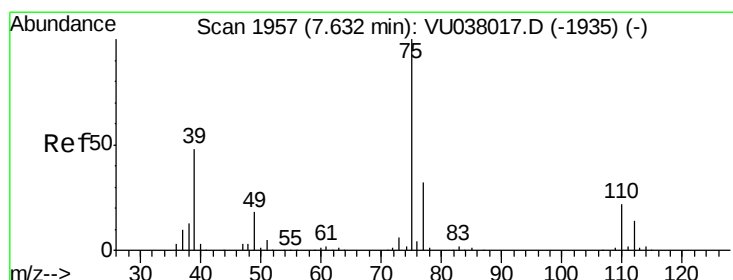
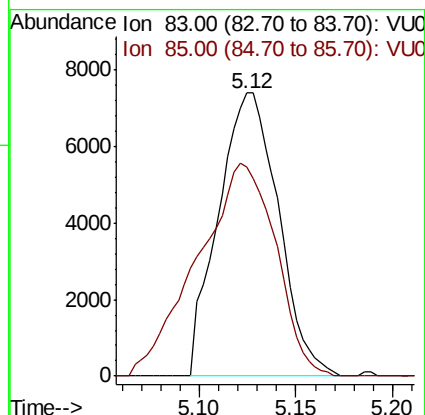
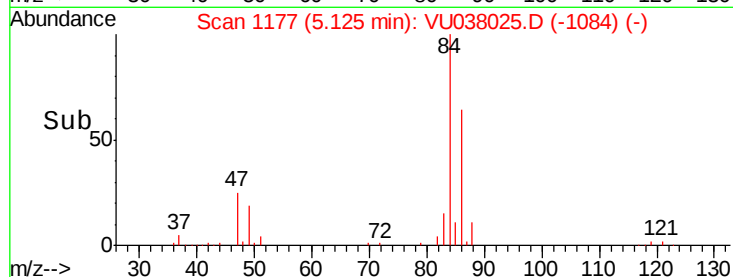
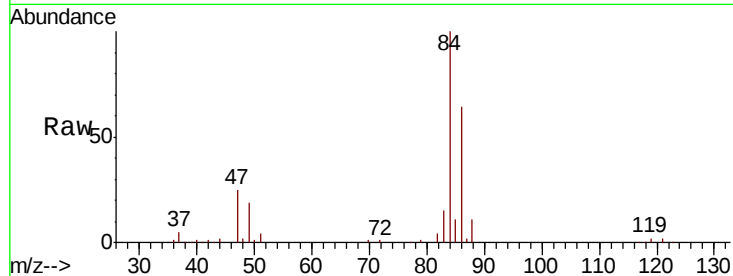




#25  
Chloroform  
Concen: 1.650 ug/L  
RT: 5.12 min Scan# 1177  
Delta R.T. 0.00 min  
Lab File: VU038025.D  
Acq: 06 May 2020 16:58

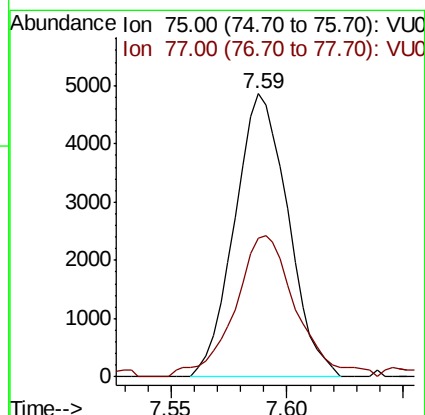
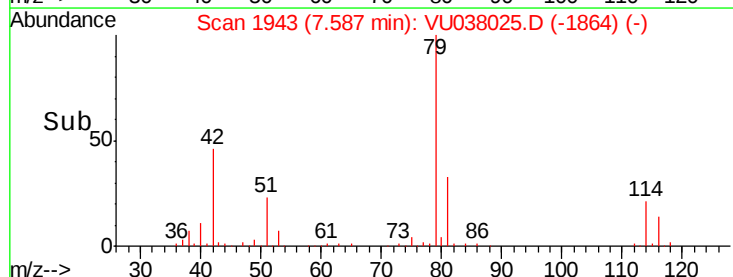
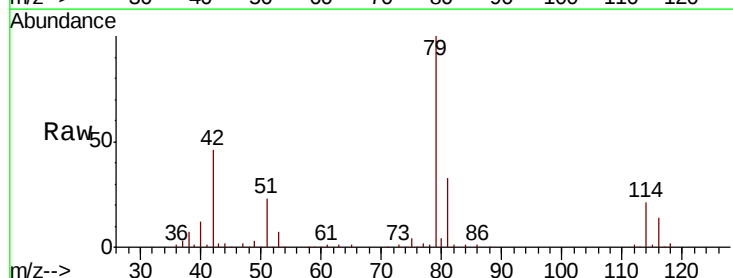
Instrument :  
MSVOA\_U  
ClientSampleId :

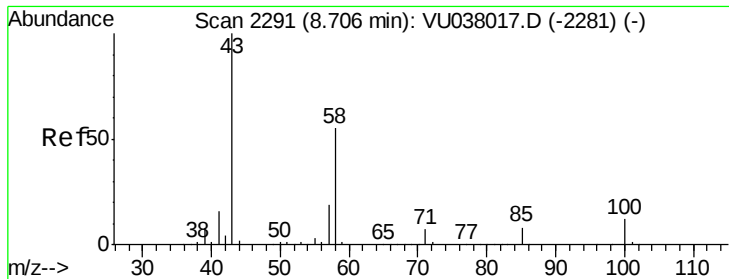
Tot Ion: 83 Resp: 15971  
Ion Ratio Lower Upper  
83 100  
85 73.8 45.0 83.6



#39  
cis-1,3-Dichloropropene  
Concen: 0.861 ug/L  
RT: 7.59 min Scan# 1943  
Delta R.T. -0.04 min  
Lab File: VU038025.D  
Acq: 06 May 2020 16:58

Tgt Ion: 75 Resp: 7783  
Ion Ratio Lower Upper  
75 100  
77 49.1 22.6 42.0#

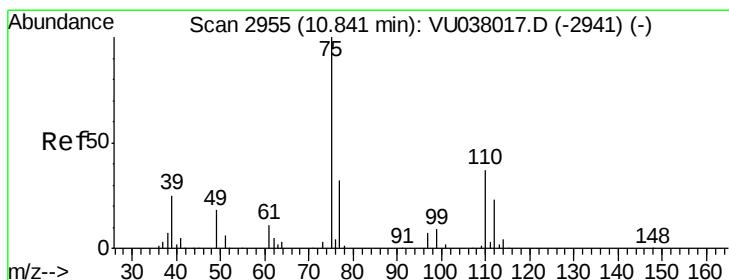
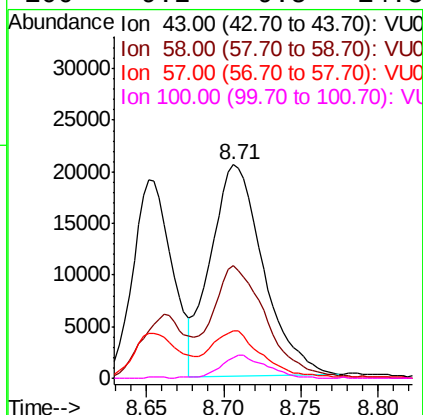
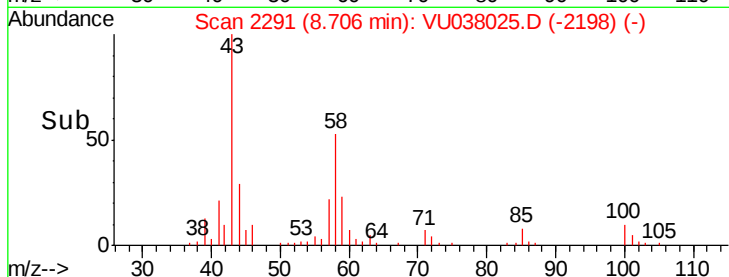
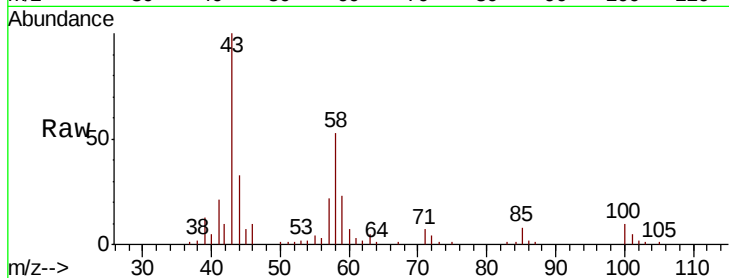




#48  
2-Hexanone  
Concen: 6.154 ug/L  
RT: 8.71 min Scan# 2291  
Delta R.T. 0.00 min  
Lab File: VU038025.D  
Acq: 06 May 2020 16:58

Instrument :  
MSVOA\_U  
ClientSampled :

Tot Ion: 43 Resp: 48447  
Ion Ratio Lower Upper  
43 100  
58 51.8 46.4 69.6  
57 22.0 16.4 24.6  
100 9.2 9.5 14.3#



#59  
1,2,3-Trichloropropane  
Concen: 5.474 ug/L  
RT: 11.83 min Scan# 3261  
Delta R.T. 0.98 min  
Lab File: VU038025.D  
Acq: 06 May 2020 16:58

Tgt Ion: 75 Resp: 44744  
Ion Ratio Lower Upper  
75 100  
77 35.6 25.4 38.2

