

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU043020\  
 Data File : VU037964.D  
 Acq On : 30 Apr 2020 21:04  
 Operator : JC/MD  
 Sample : VU0430WBL02  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: May 01 06:15:00 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM043020WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri May 01 06:13:06 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 664432   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 648968   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 287200   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61    | 65    | 248777   | 42.57    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 85.14%  |
| 7) Chloroethane-d5             | 1.93    | 69    | 216541   | 45.55    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 91.10%  |
| 11) 1,1-Dichloroethene-d2      | 2.59    | 63    | 302210   | 31.61    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 63.22%  |
| 21) 2-Butanone-d5              | 4.66    | 46    | 450059   | 98.53    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 98.53%  |
| 24) Chloroform-d               | 5.10    | 84    | 416813   | 46.06    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 92.12%  |
| 26) 1,2-Dichloroethane-d4      | 5.74    | 65    | 299022   | 47.57    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 95.14%  |
| 32) Benzene-d6                 | 5.76    | 84    | 890640   | 46.56    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.12%  |
| 36) 1,2-Dichloropropane-d6     | 6.72    | 67    | 297227   | 46.86    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 93.72%  |
| 41) Toluene-d8                 | 7.92    | 98    | 778906   | 44.39    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 88.78%  |
| 43) trans-1,3-Dichloropropene- | 8.20    | 79    | 136476   | 45.89    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 91.78%  |
| 47) 2-Hexanone-d5              | 8.65    | 63    | 299998   | 108.76   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 108.76% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77   | 84    | 423467   | 46.34    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 92.68%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.20   | 152   | 271817   | 45.27    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 90.54%  |

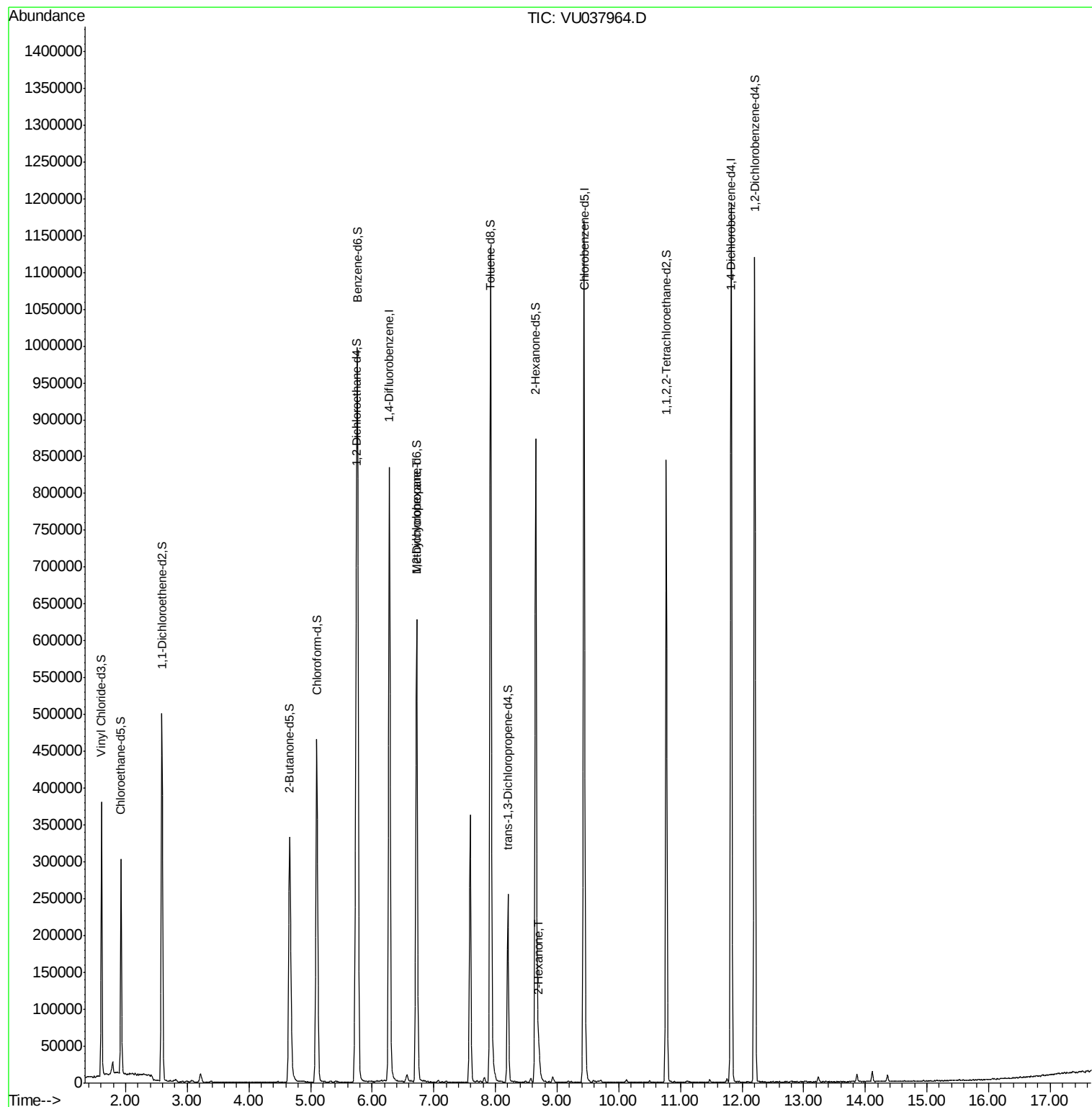
| Target Compounds      |      |    |       |              | Ovalue |
|-----------------------|------|----|-------|--------------|--------|
| 35) Methylcyclohexane | 6.72 | 83 | 67045 | 8.113 ug/L # | 18     |
| 48) 2-Hexanone        | 8.71 | 43 | 19740 | 2.726 ug/L # | 70     |

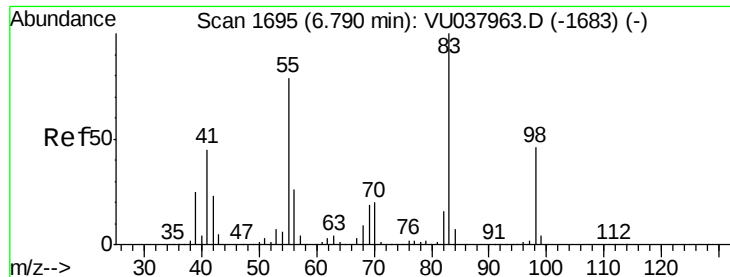
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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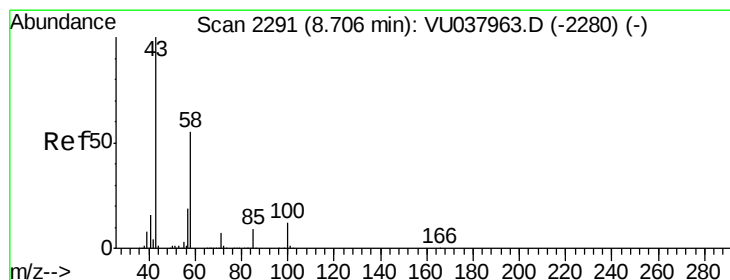
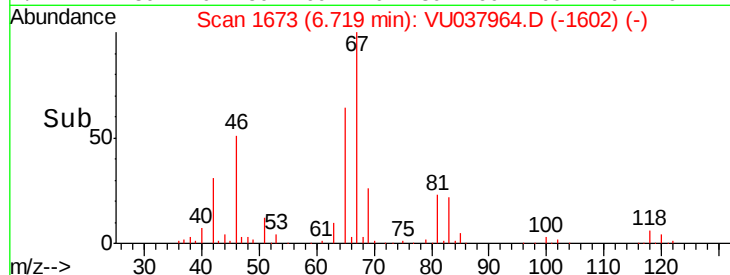
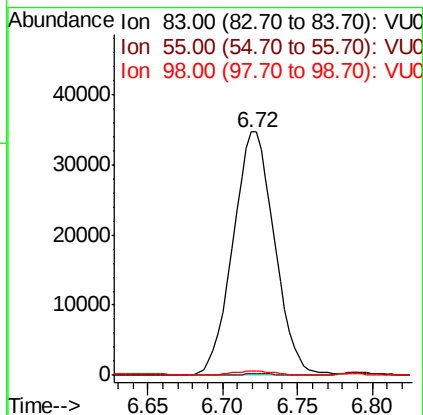
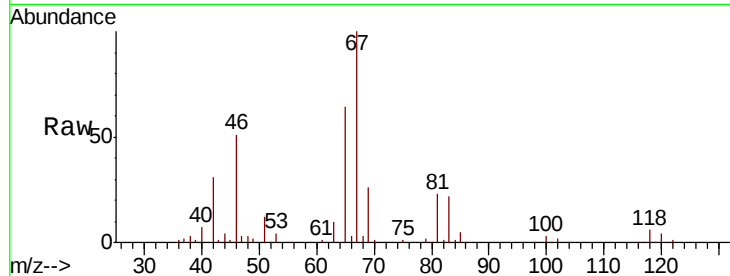




#35  
Methvlcvclohexane  
Concen: 8.113 ug/L  
RT: 6.72 min Scan# 1673  
Delta R.T. -0.07 min  
Lab File: VU037964.D  
Acq: 30 Apr 2020 21:04

Instrument :  
MSVOA\_U  
ClientSampleId :

Tot Ion: 83 Resp: 67045  
Ion Ratio Lower Upper  
83 100  
55 0.5 64.2 96.4#  
98 1.8 38.1 57.1#



#48  
2-Hexanone  
Concen: 2.726 ug/L  
RT: 8.71 min Scan# 2292  
Delta R.T. 0.00 min  
Lab File: VU037964.D  
Acq: 30 Apr 2020 21:04

Tgt Ion: 43 Resp: 19740  
Ion Ratio Lower Upper  
43 100  
58 36.0 46.4 69.6#  
57 0.0 16.4 24.6#  
100 8.8 9.5 14.3#

