

Data File : VU036915.D  
Acq On : 26 Feb 2020 15:17  
Operator : JC/MD  
Sample : L1687-05 50X  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0AS5

Quant Time: Feb 27 04:50:26 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM022420WMA.M  
Quant Title : VOC Analysis  
QLast Update : Thu Feb 27 04:47:27 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 250452   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 236330   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 90291    | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61    | 65    | 94515    | 44.94    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 89.88%  |
| 7) Chloroethane-d5             | 1.93    | 69    | 85137    | 48.92    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 97.84%  |
| 11) 1,1-Dichloroethene-d2      | 2.59    | 63    | 122184   | 34.69    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 69.38%  |
| 21) 2-Butanone-d5              | 4.67    | 46    | 154850   | 109.76   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 109.76% |
| 24) Chloroform-d               | 5.11    | 84    | 159288   | 49.60    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 99.20%  |
| 26) 1,2-Dichloroethane-d4      | 5.74    | 65    | 111673   | 51.38    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 102.76% |
| 32) Benzene-d6                 | 5.76    | 84    | 348452   | 50.99    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 101.98% |
| 36) 1,2-Dichloropropane-d6     | 6.73    | 67    | 113573   | 51.29    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 102.58% |
| 41) Toluene-d8                 | 7.93    | 98    | 312019   | 49.21    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 98.42%  |
| 43) trans-1,3-Dichloropropene- | 8.21    | 79    | 48939    | 47.56    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 95.12%  |
| 47) 2-Hexanone-d5              | 8.66    | 63    | 114189   | 105.47   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 105.47% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77   | 84    | 158908   | 50.91    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 101.82% |
| 64) 1,2-Dichlorobenzene-d4     | 12.21   | 152   | 95037    | 53.84    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 107.68% |

#### Target Compounds

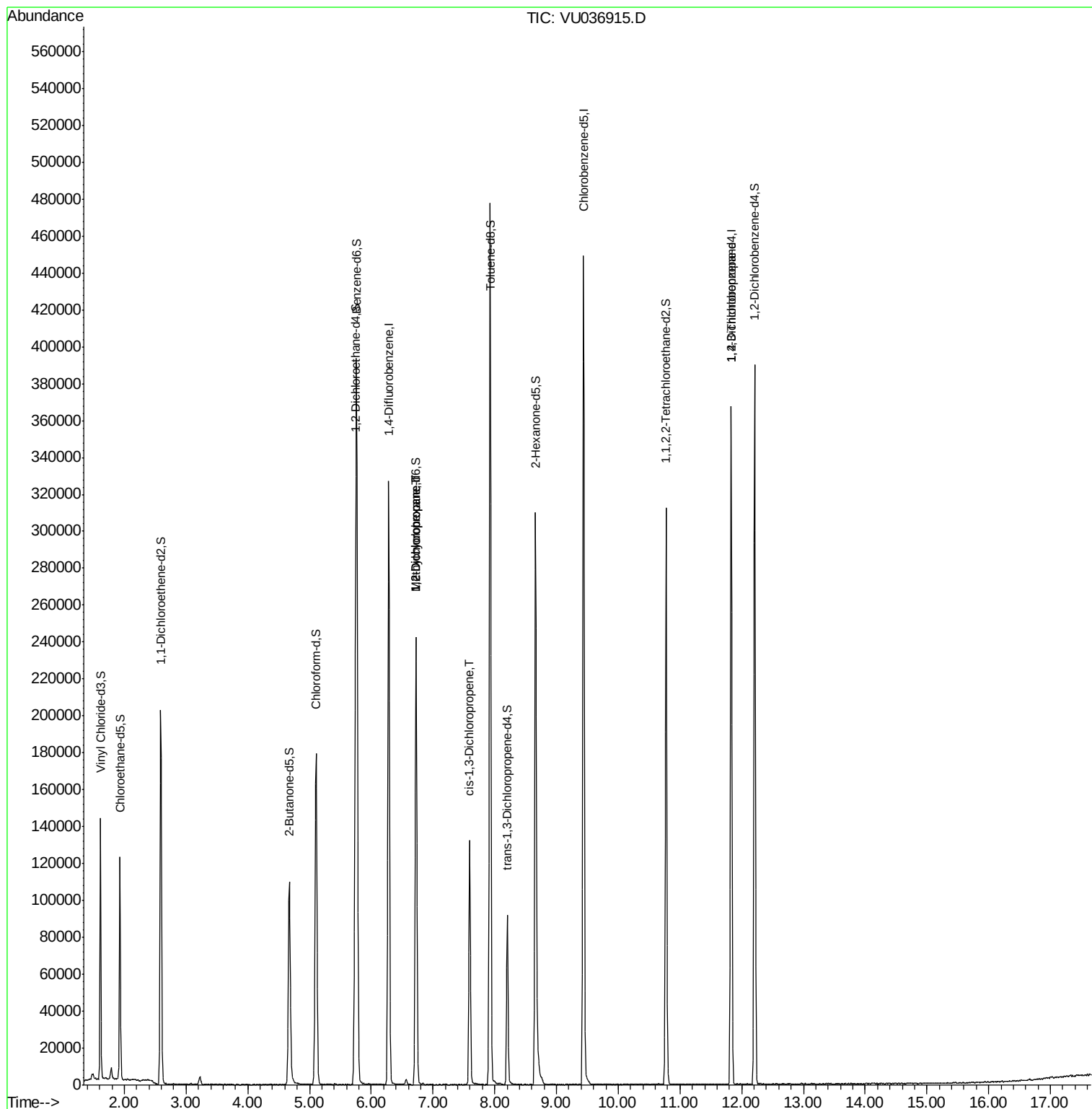
|                             |       |    |       |              | Qvalue |
|-----------------------------|-------|----|-------|--------------|--------|
| 35) Methylcyclohexane       | 6.73  | 83 | 24868 | 7.816 ug/L # | 19     |
| 37) 1,2-Dichloropropane     | 6.73  | 63 | 12109 | 6.024 ug/L # | 88     |
| 39) cis-1,3-Dichloropropene | 7.59  | 75 | 2991  | 0.966 ug/L # | 52     |
| 59) 1,2,3-Trichloropropane  | 11.83 | 75 | 13637 | 5.273 ug/L   | 94     |

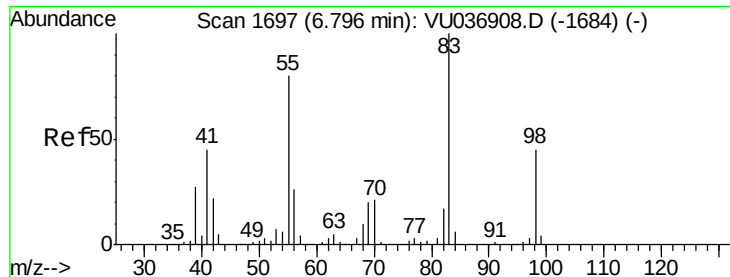
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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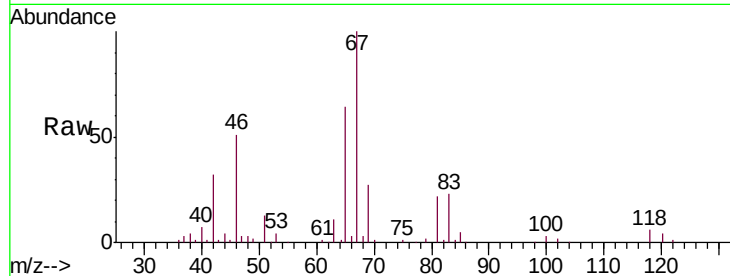




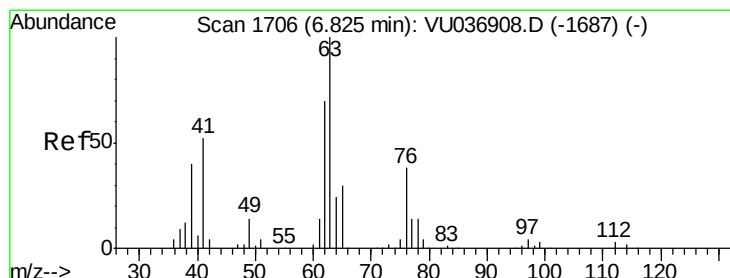
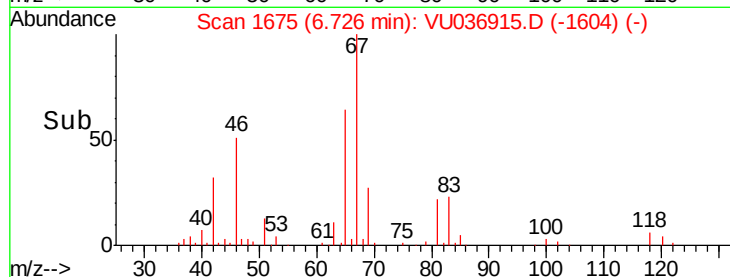
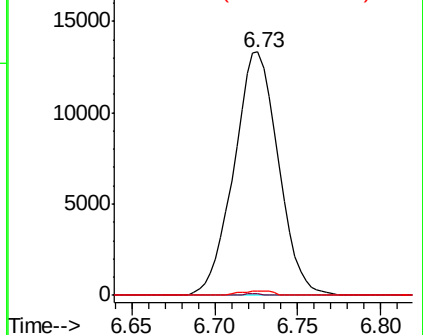
#35  
Methylcyclohexane  
Concen: 7.816 ug/L  
RT: 6.73 min Scan# 1675  
Delta R.T. -0.07 min  
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Instrument :  
MSVOA\_U  
ClientSampleId :  
C0AS5

Tgt Ion: 83 Resp: 24868  
Ion Ratio Lower Upper  
83 100  
55 0.3 62.6 93.8#  
98 1.3 35.1 52.7#

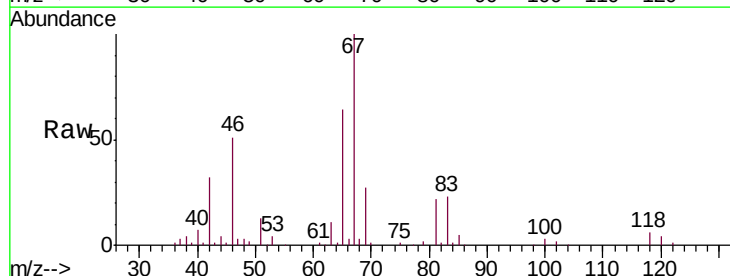


Abundance Ion 83.00 (82.70 to 83.70): VU0  
Ion 55.00 (54.70 to 55.70): VU0  
Ion 98.00 (97.70 to 98.70): VU0

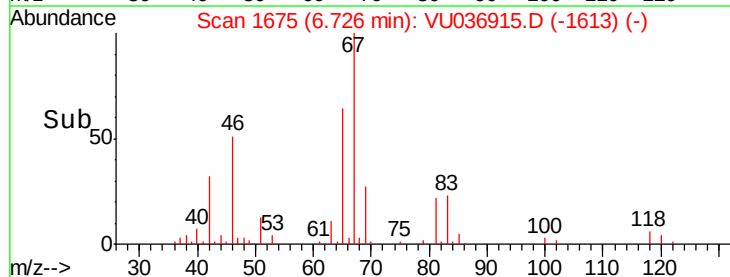
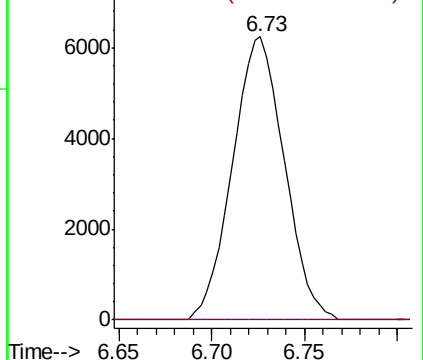


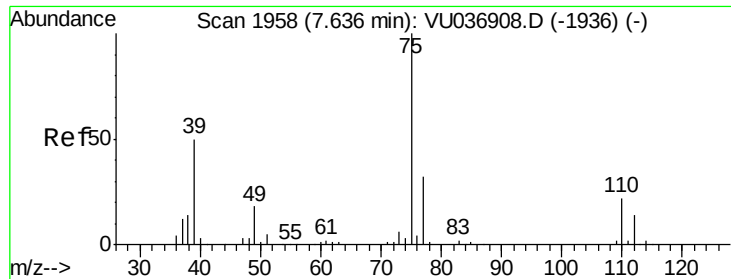
#37  
1,2-Dichloropropane  
Concen: 6.024 ug/L  
RT: 6.73 min Scan# 1675  
Delta R.T. -0.10 min  
Lab File: VU036915.D  
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Tgt Ion: 63 Resp: 12109  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.0 4.6#



Abundance Ion 63.00 (62.70 to 63.70): VU0  
Ion 112.00 (111.70 to 112.70): V

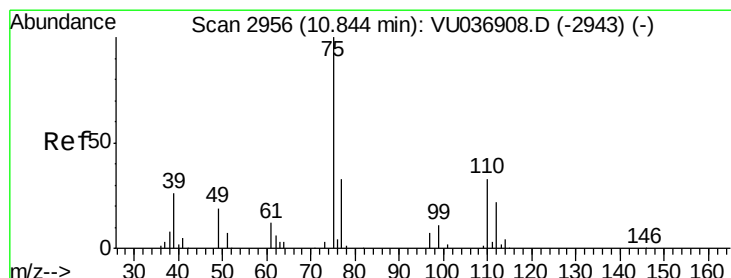
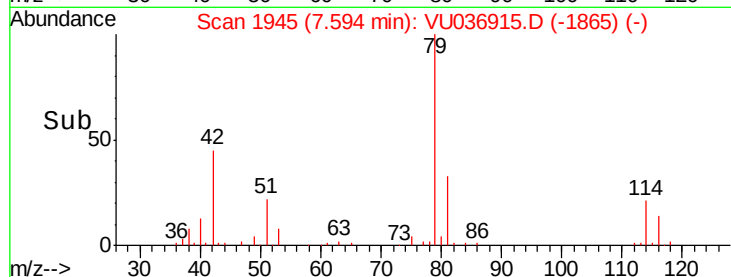
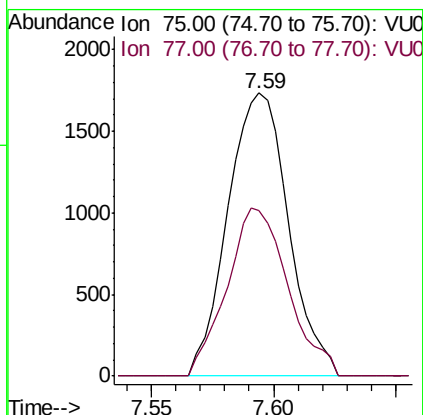
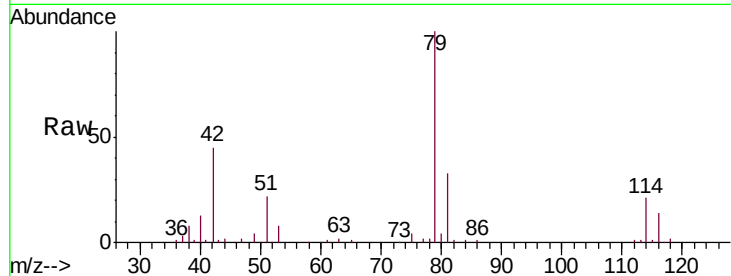




#39  
 cis-1,3-Dichloropropene  
 Concen: 0.966 ug/L  
 RT: 7.59 min Scan# 1945  
 Delta R.T. -0.04 min  
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Tgt Ion: 75 Resp: 2991  
 Ion Ratio Lower Upper  
 75 100  
 77 58.3 22.0 41.0#



#59  
 1,2,3-Trichloropropane  
 Concen: 5.273 ug/L  
 RT: 11.83 min Scan# 3262  
 Delta R.T. 0.98 min  
 Lab File: VU036915.D  
 Acq: 26 Feb 2020 15:17

Tgt Ion: 75 Resp: 13637  
 Ion Ratio Lower Upper  
 75 100  
 77 36.3 26.2 39.2

