

Data File : VU036917.D  
Acq On : 26 Feb 2020 16:03  
Operator : JC/MD  
Sample : L1687-07 50X  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0AS7

Quant Time: Feb 27 04:50:41 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     | 6.29  | 114  | 257039   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 244320   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 91814    | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61    | 65    | 94556    | 43.81    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 87.62%  |
| 7) Chloroethane-d5             | 1.93    | 69    | 85350    | 47.79    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 95.58%  |
| 11) 1,1-Dichloroethene-d2      | 2.59    | 63    | 121942   | 33.73    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 67.46%  |
| 21) 2-Butanone-d5              | 4.67    | 46    | 158344   | 109.36   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 109.36% |
| 24) Chloroform-d               | 5.11    | 84    | 159728   | 48.46    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.92%  |
| 26) 1,2-Dichloroethane-d4      | 5.74    | 65    | 111328   | 49.91    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 99.82%  |
| 32) Benzene-d6                 | 5.76    | 84    | 346915   | 49.10    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 98.20%  |
| 36) 1,2-Dichloropropane-d6     | 6.73    | 67    | 113778   | 49.71    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 99.42%  |
| 41) Toluene-d8                 | 7.93    | 98    | 311426   | 47.51    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 95.02%  |
| 43) trans-1,3-Dichloropropene- | 8.20    | 79    | 49540    | 46.57    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 93.14%  |
| 47) 2-Hexanone-d5              | 8.66    | 63    | 116247   | 103.86   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 103.86% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77   | 84    | 161518   | 50.05    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 100.10% |
| 64) 1,2-Dichlorobenzene-d4     | 12.21   | 152   | 95824    | 53.39    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 106.78% |

#### Target Compounds

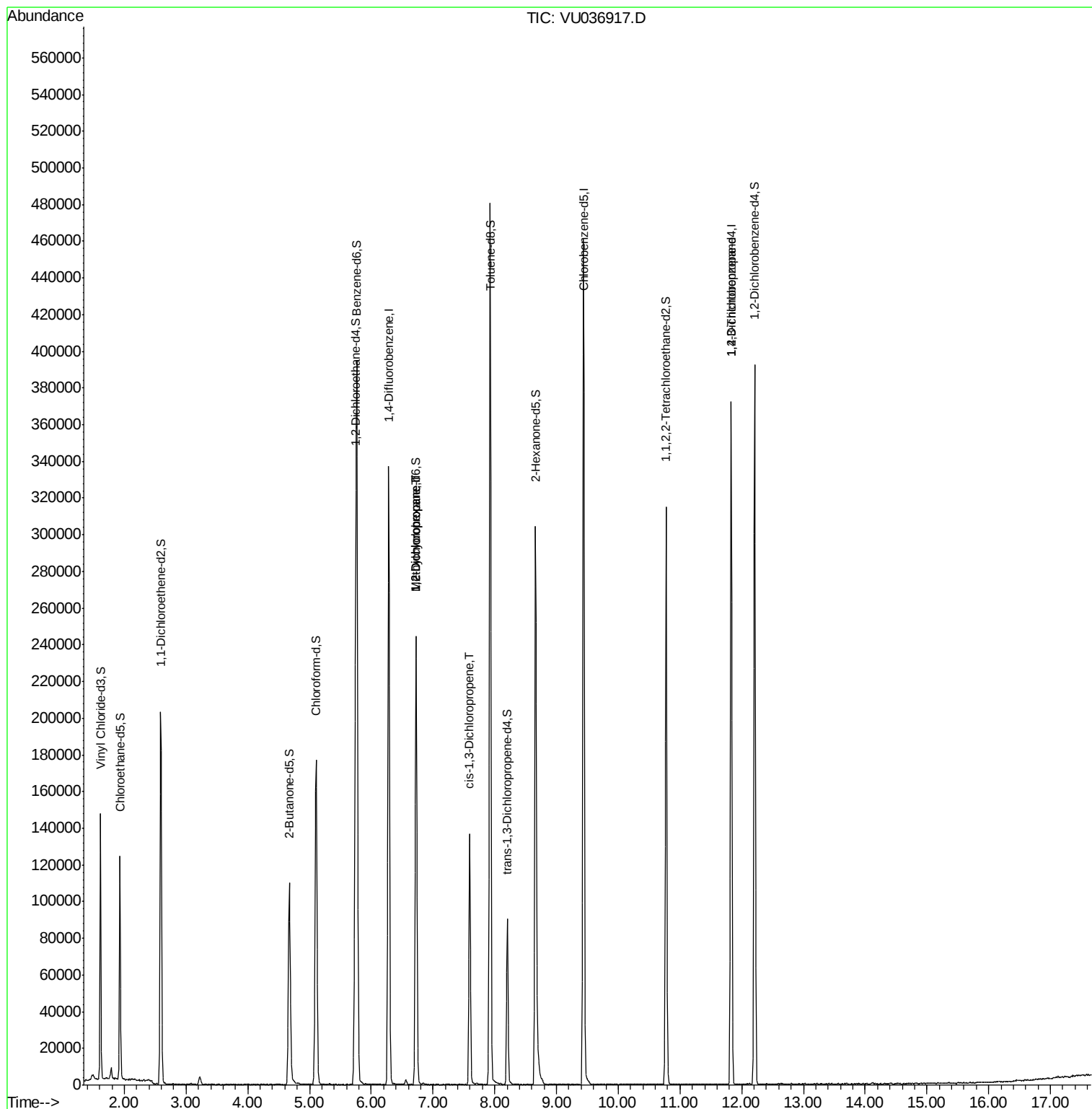
|                             |       |    |       |              | Qvalue |
|-----------------------------|-------|----|-------|--------------|--------|
| 35) Methylcyclohexane       | 6.73  | 83 | 24376 | 7.411 ug/L # | 19     |
| 37) 1,2-Dichloropropane     | 6.73  | 63 | 12693 | 6.108 ug/L # | 88     |
| 39) cis-1,3-Dichloropropene | 7.59  | 75 | 3224  | 1.007 ug/L # | 53     |
| 59) 1,2,3-Trichloropropane  | 11.83 | 75 | 14180 | 5.304 ug/L   | 97     |

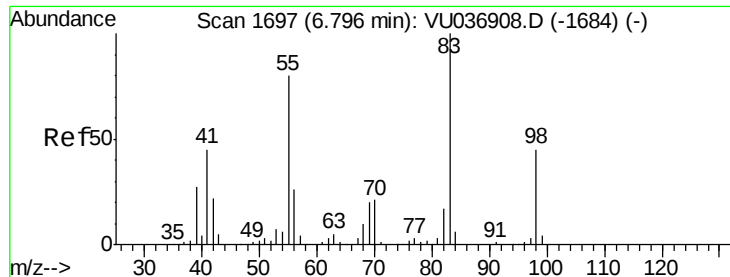
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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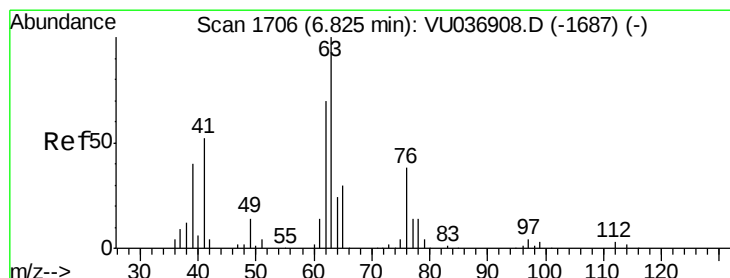
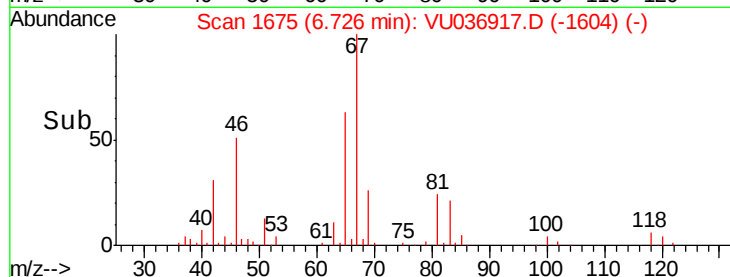
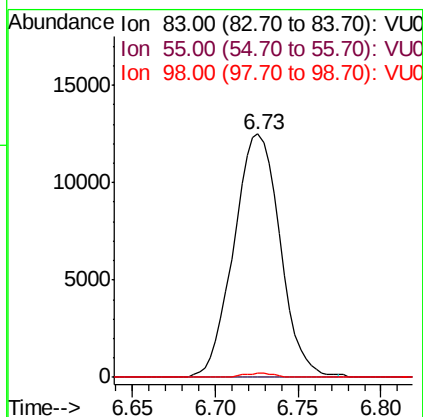
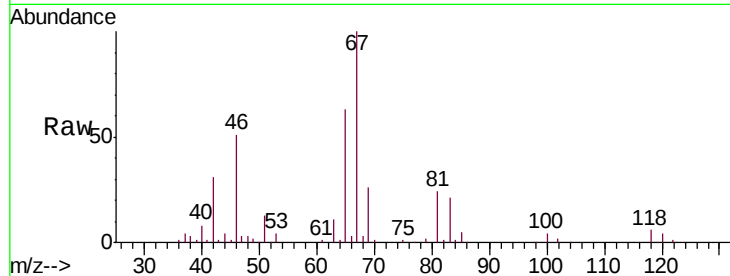




#35  
Methylcyclohexane  
Concen: 7.411 ug/L  
RT: 6.73 min Scan# 1675  
Delta R.T. -0.07 min  
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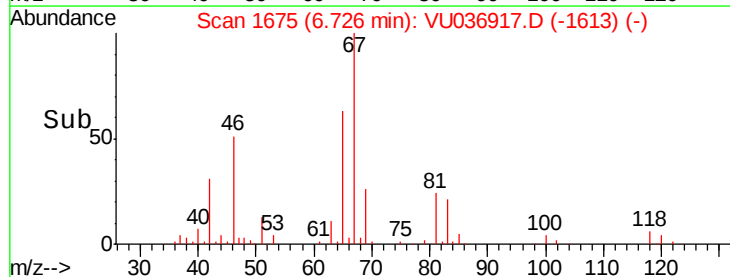
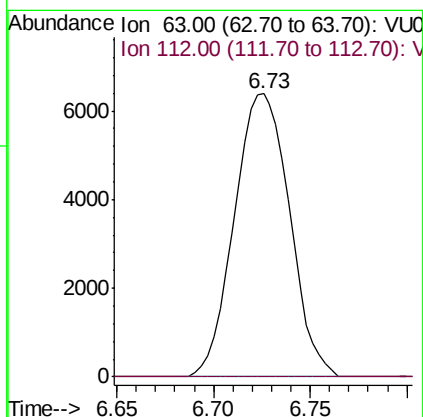
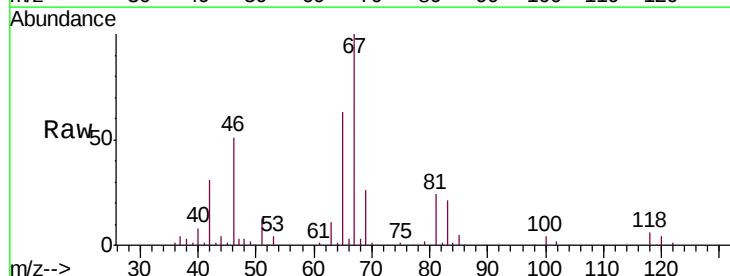
Instrument :  
MSVOA\_U  
ClientSampleId :  
C0AS7

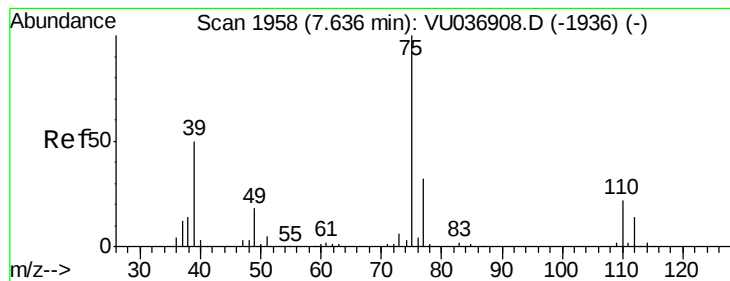
Tgt Ion: 83 Resp: 24376  
Ion Ratio Lower Upper  
83 100  
55 0.0 62.6 93.8#  
98 1.1 35.1 52.7#



#37  
1,2-Dichloropropane  
Concen: 6.108 ug/L  
RT: 6.73 min Scan# 1675  
Delta R.T. -0.10 min  
Lab File: VU036917.D  
Acq: 26 Feb 2020 16:03

Tgt Ion: 63 Resp: 12693  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.0 4.6#





#39

cis-1,3-Dichloropropene

Concen: 1.007 ug/L

RT: 7.59 min Scan# 1945

Delta R.T. -0.04 min

Lab File: VU036917.D

Acq: 26 Feb 2020 16:03

Instrument :

MSVOA\_U

ClientSampleId :

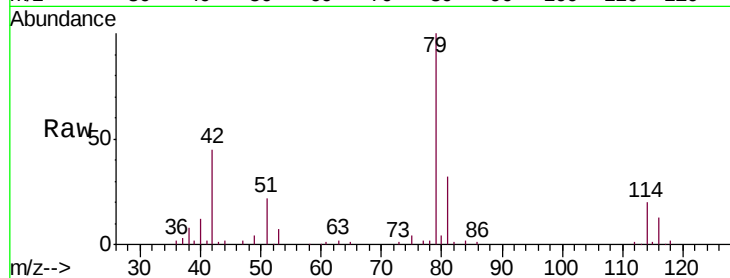
C0AS7

Tgt Ion: 75 Resp: 3224

Ion Ratio Lower Upper

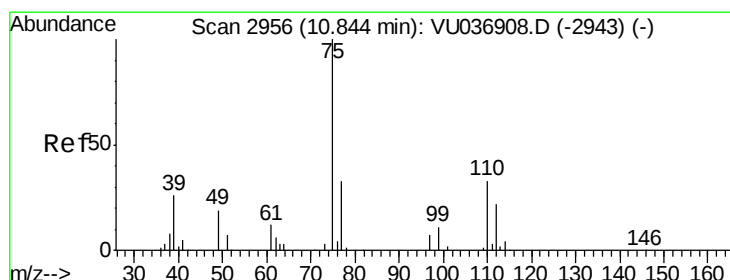
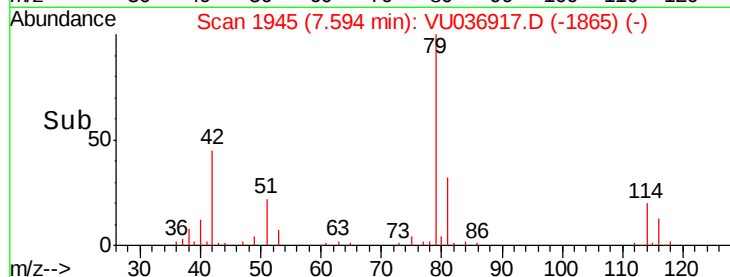
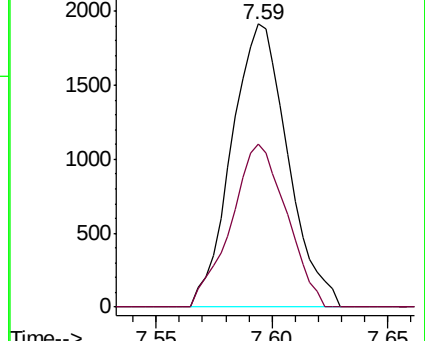
75 100

77 57.8 22.0 41.0#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#59

1,2,3-Trichloropropane

Concen: 5.304 ug/L

RT: 11.83 min Scan# 3262

Delta R.T. 0.98 min

Lab File: VU036917.D

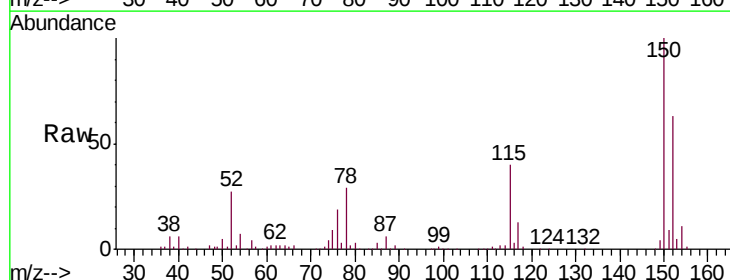
Acq: 26 Feb 2020 16:03

Tgt Ion: 75 Resp: 14180

Ion Ratio Lower Upper

75 100

77 34.6 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

