

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061020\  
 Data File : VU038771.D  
 Acq On : 10 Jun 2020 11:51  
 Operator : SY/MD  
 Sample : L2897-22DL 10X  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EW0M1DL

Quant Time: Jun 11 01:37:54 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM060820WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Jun 11 00:28:57 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 582435   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.43  | 117  | 562887   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.82 | 152  | 259253   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61    | 65    | 129571   | 39.82    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 79.64%  |
| 7) Chloroethane-d5             | 1.93    | 69    | 114152   | 45.22    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 90.44%  |
| 11) 1,1-Dichloroethene-d2      | 2.59    | 63    | 225794   | 31.84    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 63.68%  |
| 21) 2-Butanone-d5              | 4.66    | 46    | 309266   | 97.69    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 97.69%  |
| 24) Chloroform-d               | 5.10    | 84    | 314053   | 44.76    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 89.52%  |
| 26) 1,2-Dichloroethane-d4      | 5.74    | 65    | 216738   | 46.61    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.22%  |
| 32) Benzene-d6                 | 5.76    | 84    | 634422   | 46.79    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.58%  |
| 36) 1,2-Dichloropropane-d6     | 6.72    | 67    | 196996   | 47.14    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 94.28%  |
| 41) Toluene-d8                 | 7.92    | 98    | 553674   | 45.19    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 90.38%  |
| 43) trans-1,3-Dichloropropene- | 8.20    | 79    | 93146    | 44.27    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 88.54%  |
| 47) 2-Hexanone-d5              | 8.65    | 63    | 224475   | 100.92   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 100.92% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77   | 84    | 285634   | 45.82    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 91.64%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.20   | 152   | 220755   | 49.04    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 98.08%  |

## Target Compounds

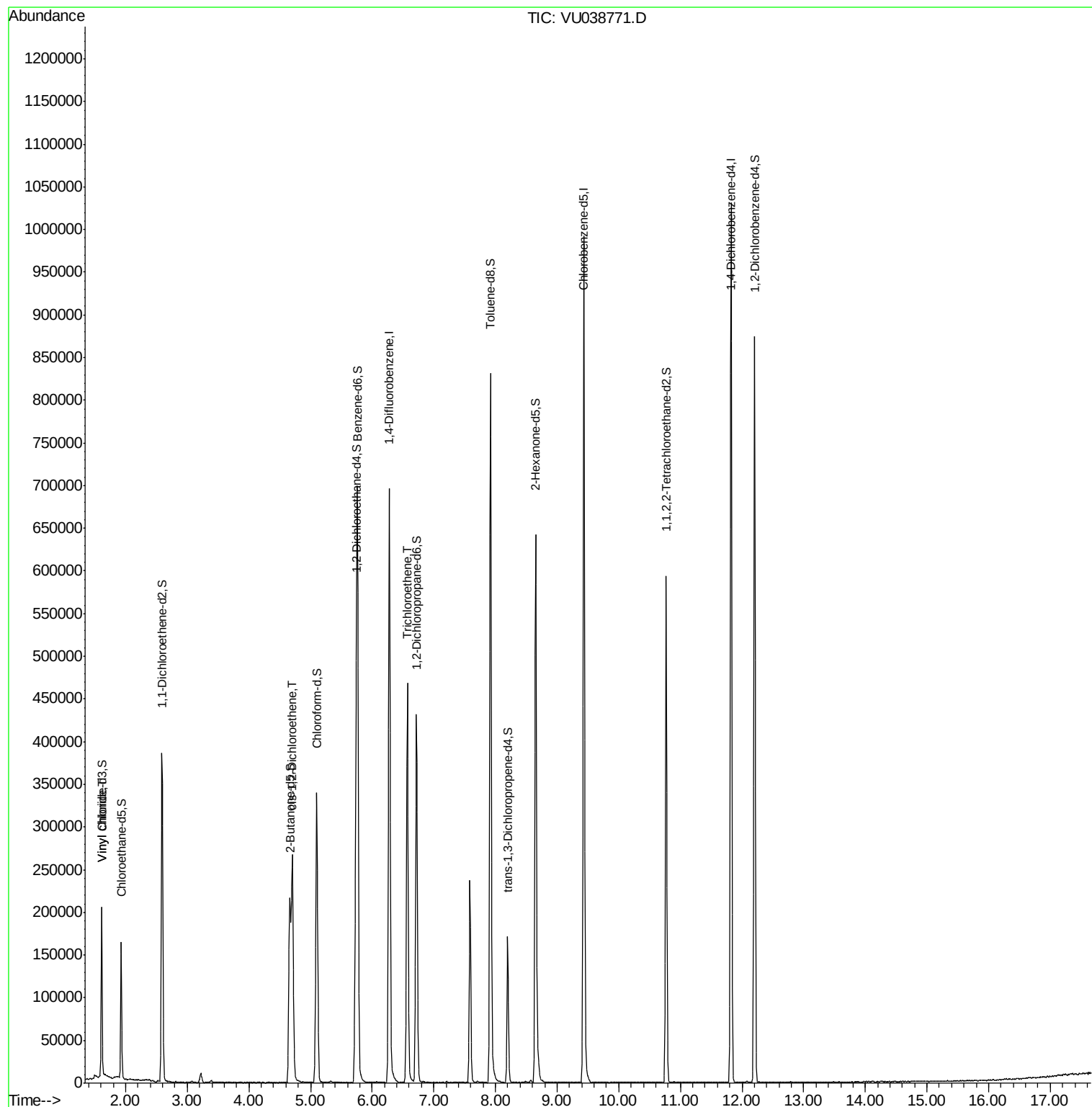
|                            |      |    |        |             | Ovalue |
|----------------------------|------|----|--------|-------------|--------|
| 5) Vinyl chloride          | 1.62 | 62 | 6205   | 1.332 ug/L  | # 1    |
| 20) cis-1,2-Dichloroethene | 4.71 | 96 | 126509 | 28.368 ug/L | 99     |
| 34) Trichloroethene        | 6.57 | 95 | 155037 | 36.469 ug/L | 98     |

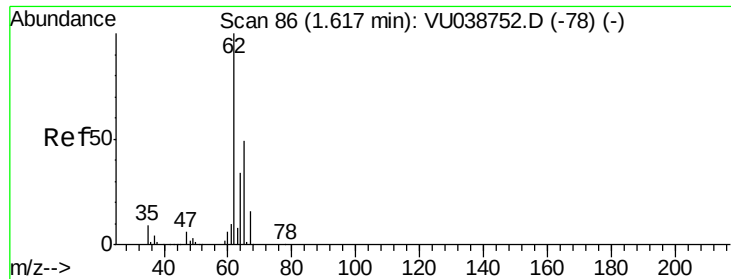
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Thu Jun 11 00:28:57 2020  
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.332 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU038771.D

Acq: 10 Jun 2020 11:51

Instrument :

MSVOA\_U

ClientSampleID :

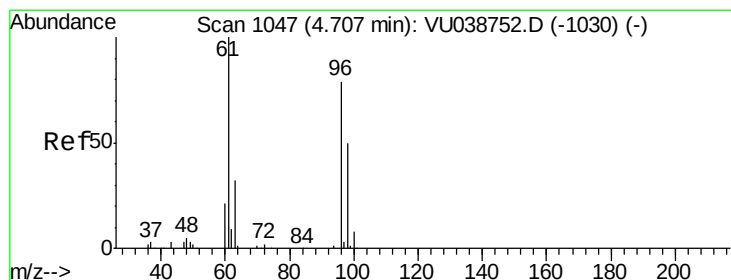
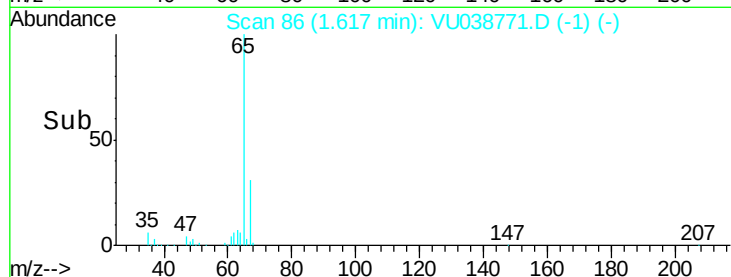
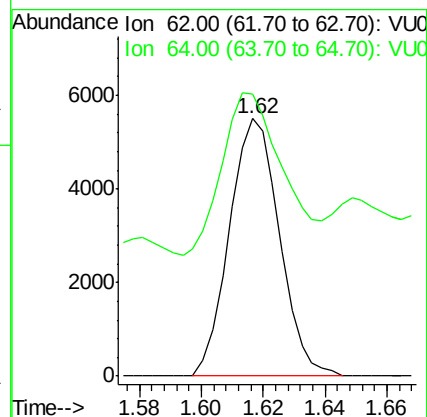
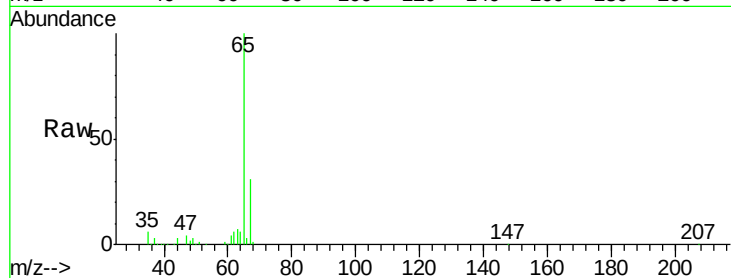
EW0M1DL

Tot Ion: 62 Resp: 6205

Ion Ratio Lower Upper

62 100

64 109.6 23.0 42.8#



#20

cis-1,2-Dichloroethene

Concen: 28.368 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU038771.D

Acq: 10 Jun 2020 11:51

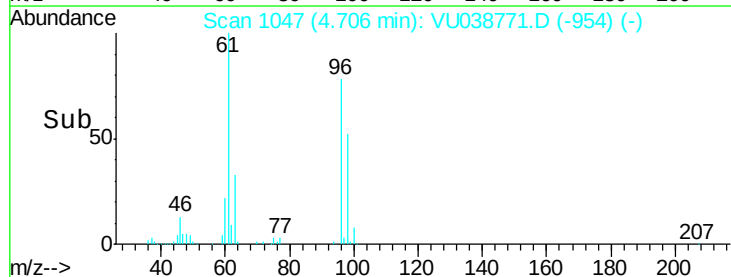
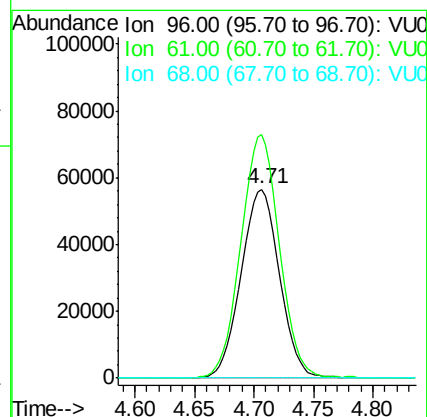
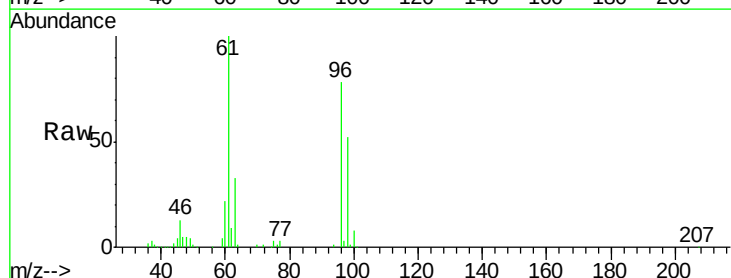
Tgt Ion: 96 Resp: 126509

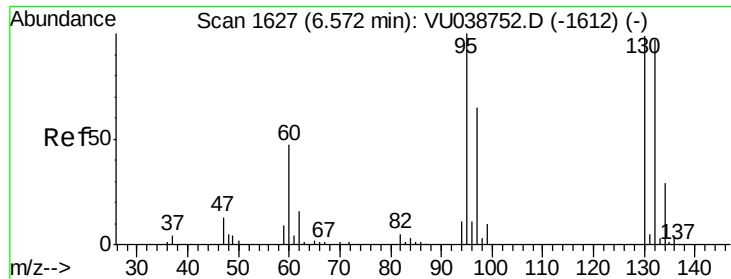
Ion Ratio Lower Upper

96 100

61 129.0 89.5 166.1

68 0.0 0.0 0.0

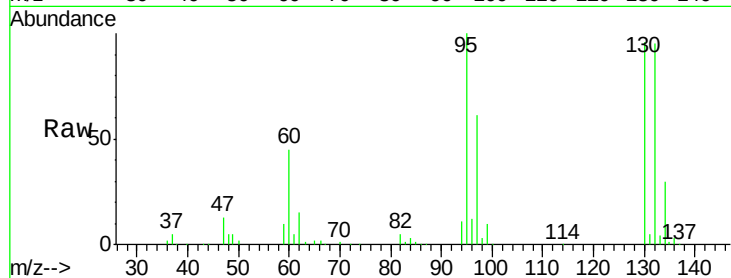




#34  
 Trichloroethene  
 Concen: 36.469 ug/L  
 RT: 6.57 min Scan# 1627  
 Delta R.T. -0.00 min  
 Lab File: VU038771.D  
 Acq: 10 Jun 2020 11:51

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EW0M1DL

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 95    | Resp: | 155037 |
| Ion      | Ratio | Lower | Upper  |
| 95       | 100   |       |        |
| 97       | 60.9  | 44.4  | 82.4   |
| 132      | 94.8  | 64.9  | 120.5  |
| 130      | 96.2  | 68.6  | 127.4  |



Abundance

Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

