

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU043020\  
 Data File : VU037952.D  
 Acq On : 30 Apr 2020 15:25  
 Operator : JC/MD  
 Sample : L2395-05  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0D90

Quant Time: May 02 02:04:18 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM043020WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri May 01 02:16:47 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 696357   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 677203   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 302583   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |        |
|--------------------------------|---------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.61    | 65    | 272289   | 44.45    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 88.90% |
| 7) Chloroethane-d5             | 1.93    | 69    | 229170   | 46.00    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 92.00% |
| 11) 1,1-Dichloroethene-d2      | 2.59    | 63    | 339392   | 33.87    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 67.74% |
| 21) 2-Butanone-d5              | 4.66    | 46    | 401728   | 83.92    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 83.92% |
| 24) Chloroform-d               | 5.10    | 84    | 420604   | 44.34    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 88.68% |
| 26) 1,2-Dichloroethane-d4      | 5.74    | 65    | 305089   | 46.31    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 92.62% |
| 32) Benzene-d6                 | 5.76    | 84    | 940742   | 47.13    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 94.26% |
| 36) 1,2-Dichloropropane-d6     | 6.72    | 67    | 310649   | 46.94    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 93.88% |
| 41) Toluene-d8                 | 7.92    | 98    | 855271   | 46.71    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 93.42% |
| 43) trans-1,3-Dichloropropene- | 8.20    | 79    | 143265   | 46.16    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 92.32% |
| 47) 2-Hexanone-d5              | 8.65    | 63    | 286008   | 99.37    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 99.37% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77   | 84    | 423661   | 44.42    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 88.84% |
| 64) 1,2-Dichlorobenzene-d4     | 12.20   | 152   | 295669   | 46.74    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 93.48% |

## Target Compounds

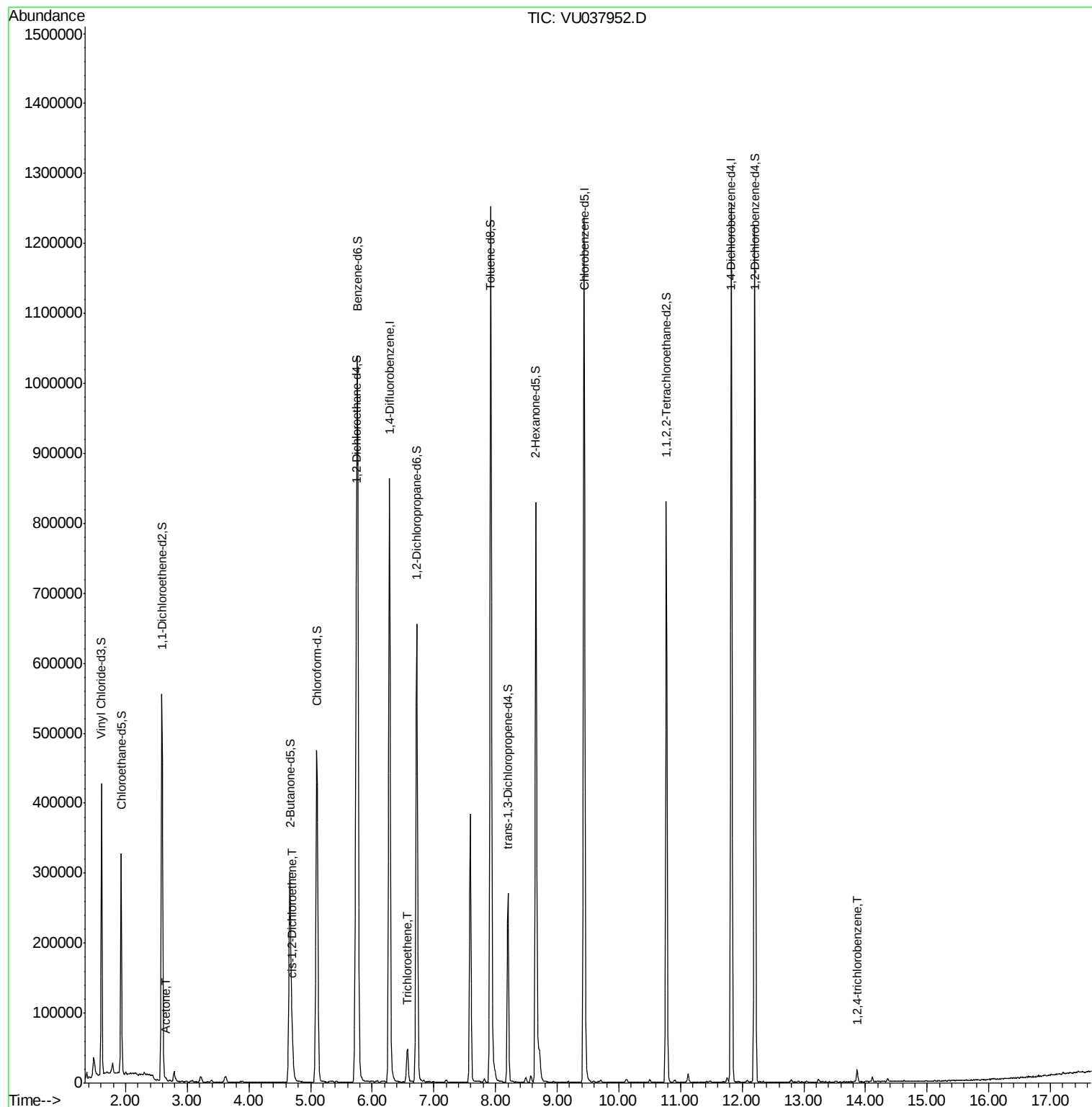
|                            |       |     |       |            | Ovalue |
|----------------------------|-------|-----|-------|------------|--------|
| 13) Acetone                | 2.65  | 43  | 6138  | 1.991 ug/L | 91     |
| 20) cis-1,2-Dichloroethene | 4.71  | 96  | 19514 | 3.584 ug/L | 98     |
| 34) Trichloroethene        | 6.57  | 95  | 15734 | 3.065 ug/L | 94     |
| 68) 1,2,4-trichlorobenzene | 13.87 | 180 | 5485  | 0.866 ug/L | 98     |

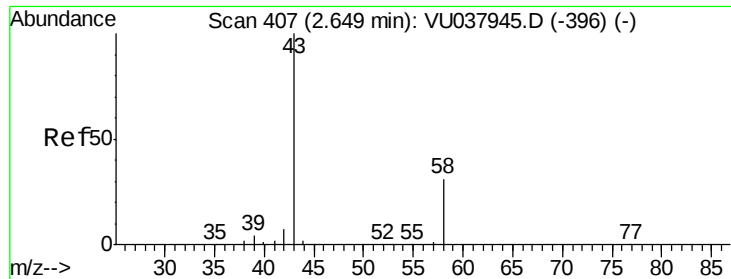
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Fri May 01 02:16:47 2020  
Response via : Initial Calibration





#13

Acetone

Concen: 1.991 ug/L

RT: 2.65 min Scan# 408

Delta R.T. 0.00 min

Lab File: VU037952.D

Acq: 30 Apr 2020 15:25

Instrument :

MSVOA\_U

ClientSampleId :

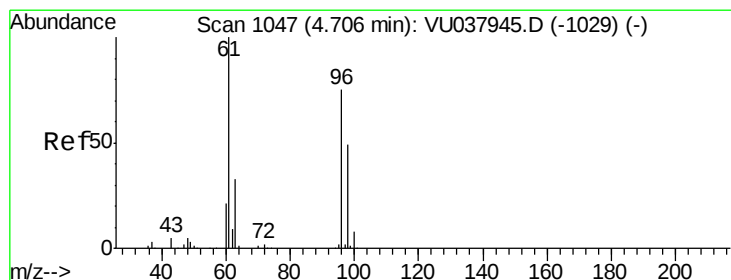
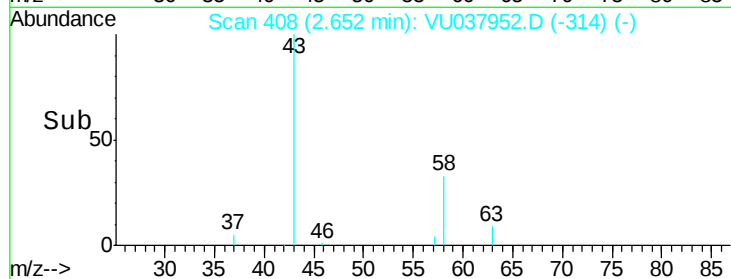
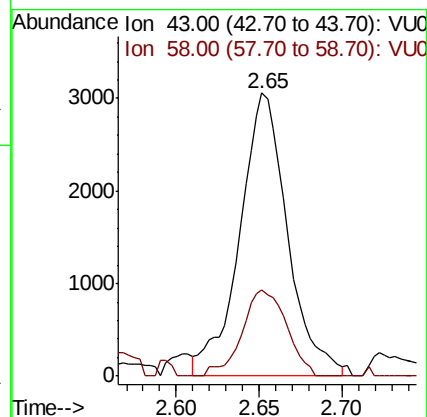
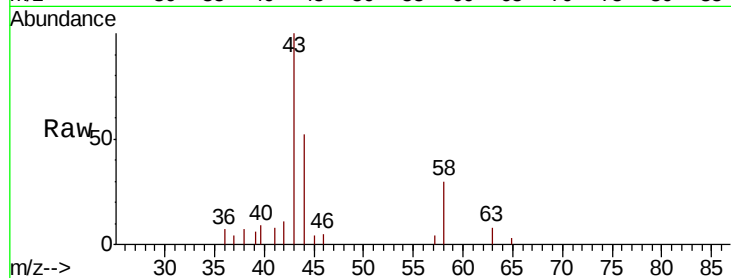
C0D90

Tot Ion: 43 Resp: 6138

Ion Ratio Lower Upper

43 100

58 27.4 0.0 64.4



#20

cis-1,2-Dichloroethene

Concen: 3.584 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VU037952.D

Acq: 30 Apr 2020 15:25

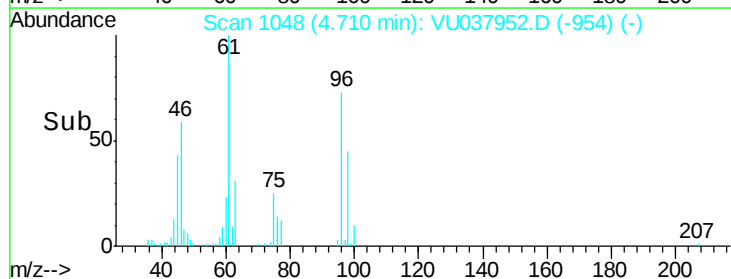
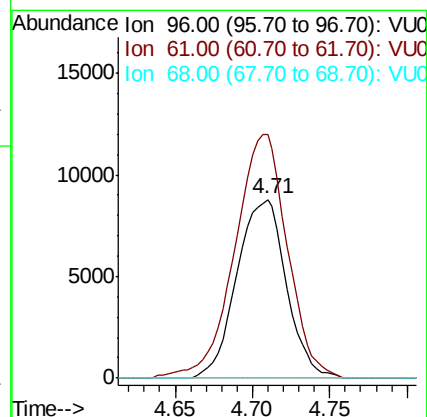
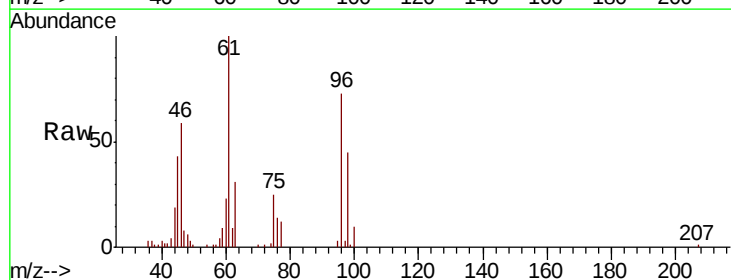
Tgt Ion: 96 Resp: 19514

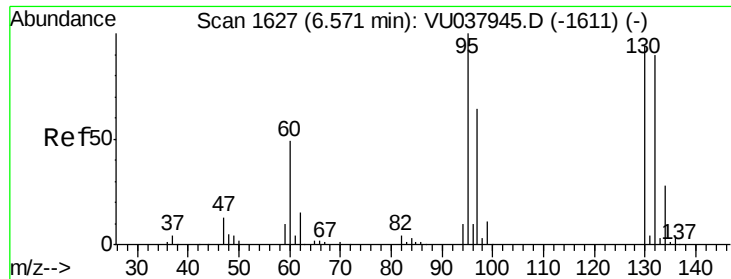
Ion Ratio Lower Upper

96 100

61 136.1 93.9 174.3

68 0.0 0.0 0.0

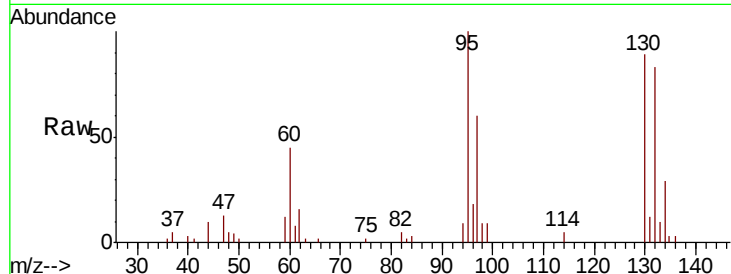




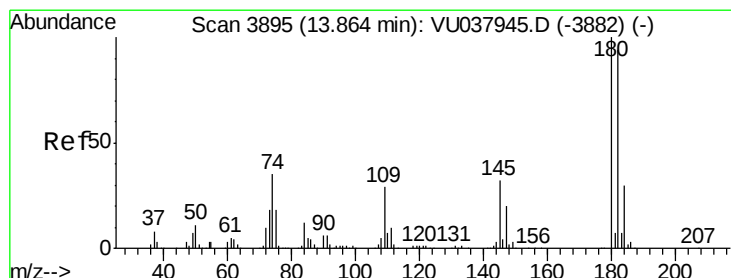
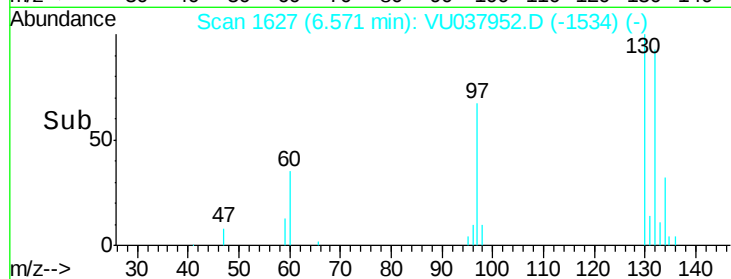
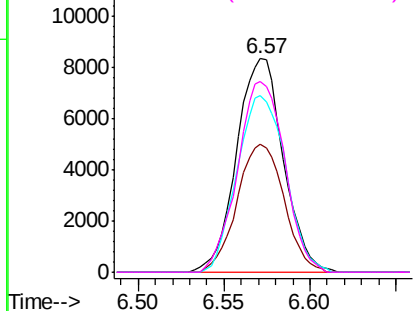
#34  
 Trichloroethene  
 Concen: 3.065 ug/L  
 RT: 6.57 min Scan# 1627  
 Delta R.T. -0.00 min  
 Lab File: VU037952.D  
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 MSVOA\_U  
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 C0D90

Tot Ion: 95 Resp: 15734  
 Ion Ratio Lower Upper  
 95 100  
 97 60.0 44.9 83.5  
 132 82.5 63.2 117.4  
 130 89.2 65.9 122.3

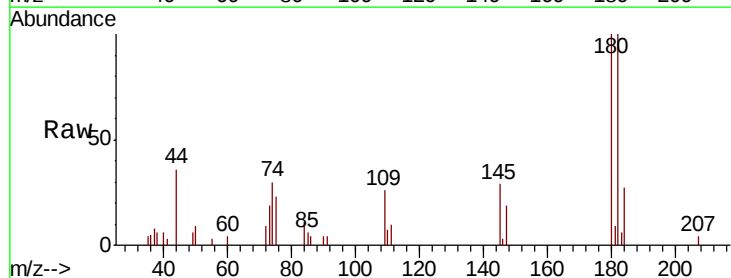


Abundance Ion 95.00 (94.70 to 95.70): VU0  
 Ion 97.00 (96.70 to 97.70): VU0  
 Ion 132.00 (131.70 to 132.70): V  
 Ion 130.00 (129.70 to 130.70): V



#68  
 1,2,4-trichlorobenzene  
 Concen: 0.866 ug/L  
 RT: 13.87 min Scan# 3896  
 Delta R.T. 0.00 min  
 Lab File: VU037952.D  
 Acq: 30 Apr 2020 15:25

Tgt Ion: 180 Resp: 5485  
 Ion Ratio Lower Upper  
 180 100  
 182 95.8 75.4 113.0  
 145 29.3 25.3 37.9



Abundance Ion 180.00 (179.70 to 180.70): V  
 Ion 182.00 (181.70 to 182.70): V  
 Ion 145.00 (144.70 to 145.70): V

