

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071020\  
 Data File : VU039441.D  
 Acq On : 10 Jul 2020 19:33  
 Operator : SY/MD  
 Sample : L3244-18  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 F4B12

Quant Time: Jul 11 22:27:05 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR070720WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Sat Jul 11 02:49:36 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.27  | 114  | 88167    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 83484    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 40567    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 21720    | 4.25     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 85.00%  |
| 7) Chloroethane-d5             | 1.92   | 69    | 27660    | 5.29     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 105.80% |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 34283    | 3.41     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 68.20%  |
| 20) 2-Butanone-d5              | 4.65   | 46    | 140377   | 60.04    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 120.08% |
| 24) Chloroform-d               | 5.09   | 84    | 56846    | 5.22     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 104.40% |
| 26) 1,2-Dichloroethane-d4      | 5.72   | 65    | 37433    | 5.48     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 109.60% |
| 32) Benzene-d6                 | 5.75   | 84    | 108015   | 5.37     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 107.40% |
| 36) 1,2-Dichloropropane-d6     | 6.70   | 67    | 37324    | 5.29     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 105.80% |
| 41) Toluene-d8                 | 7.91   | 98    | 90896    | 5.22     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 104.40% |
| 43) trans-1,3-Dichloropropene- | 8.19   | 79    | 15366    | 4.93     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 98.60%  |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 102364   | 55.34    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 110.68% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.76  | 84    | 36079    | 5.16     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 103.20% |
| 64) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 37655    | 5.20     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 104.00% |

## Target Compounds

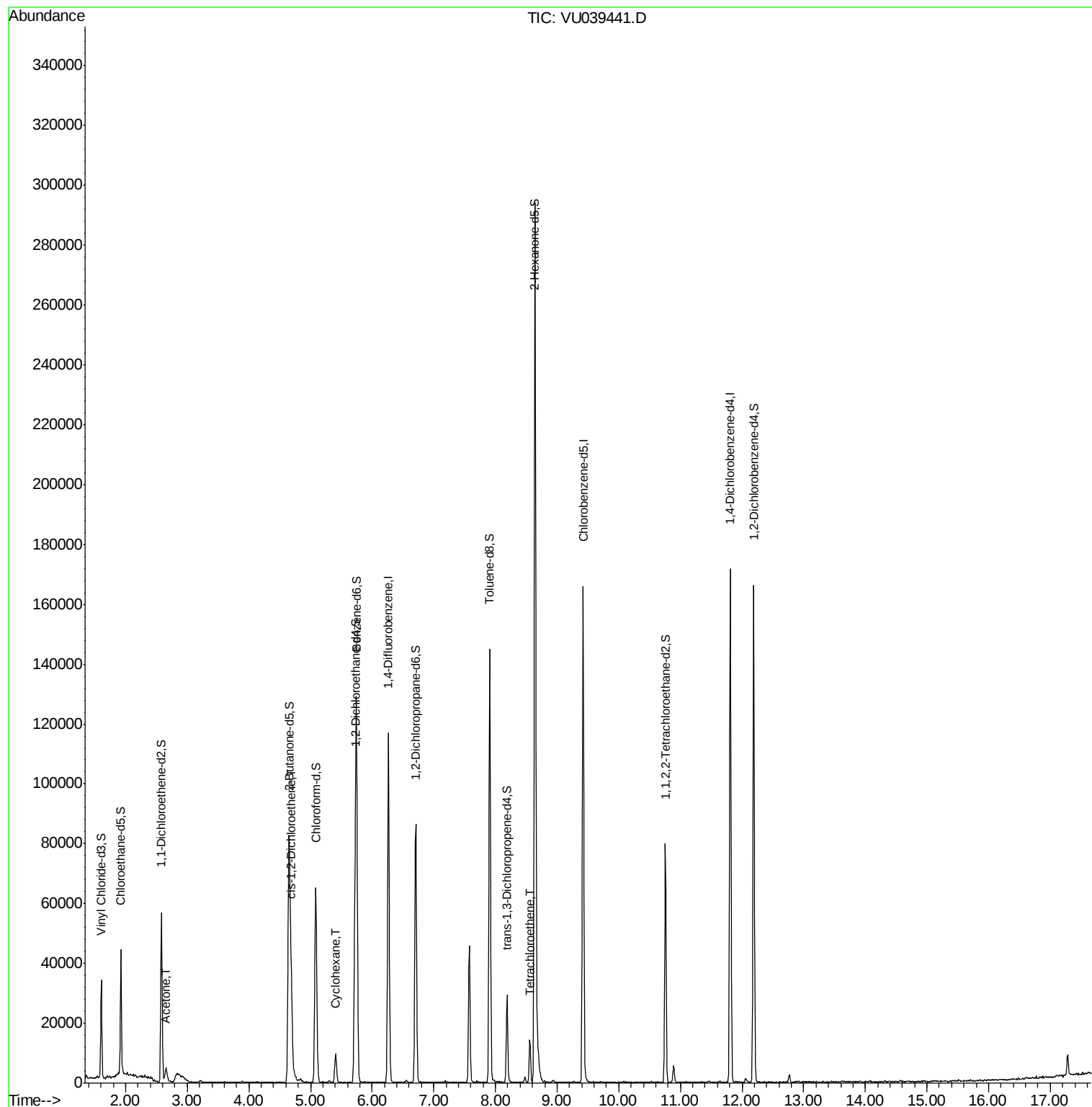
|                            |      |     |      |            | Ovalue |
|----------------------------|------|-----|------|------------|--------|
| 13) Acetone                | 2.66 | 43  | 7918 | 6.274 ug/L | 94     |
| 22) cis-1,2-Dichloroethene | 4.69 | 96  | 8838 | 1.358 ug/L | 94     |
| 30) Cyclohexane            | 5.41 | 56  | 4466 | 0.431 ug/L | 98     |
| 47) Tetrachloroethene      | 8.56 | 164 | 2693 | 0.600 ug/L | 82     |

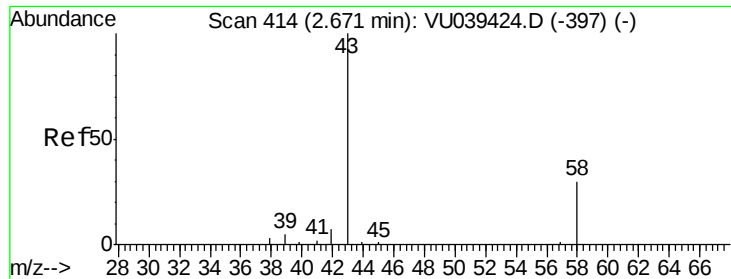
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 6.274 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.02 min

Lab File: VU039441.D

Acq: 10 Jul 2020 19:33

Instrument :

MSVOA\_U

ClientSampleId :

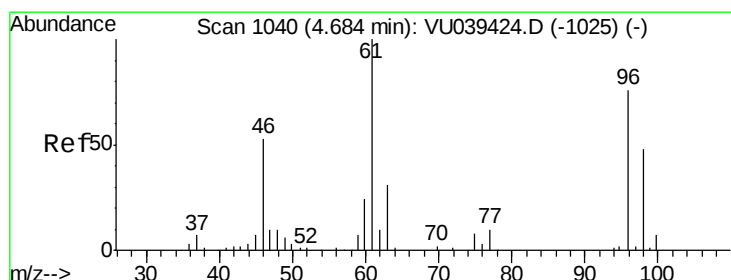
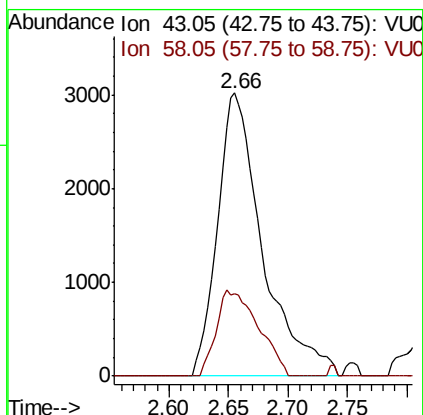
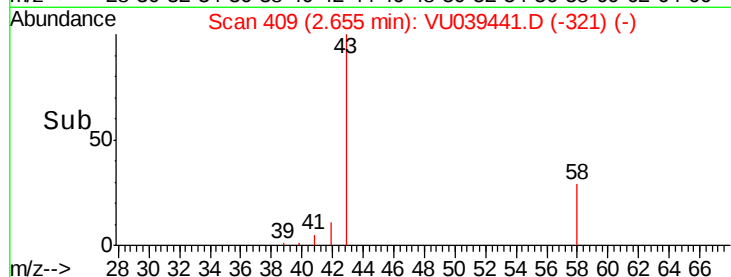
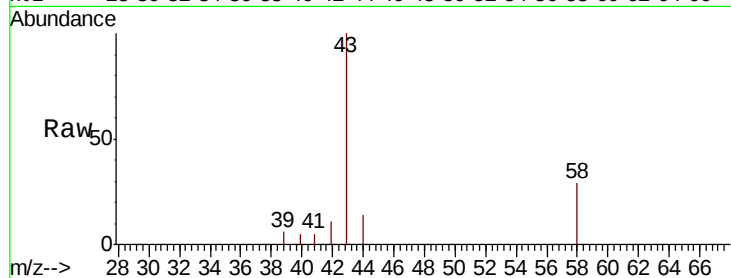
F4B12

Tot Ion: 43 Resp: 7918

Ion Ratio Lower Upper

43 100

58 28.2 0.0 62.8



#22

cis-1,2-Dichloroethene

Concen: 1.358 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.01 min

Lab File: VU039441.D

Acq: 10 Jul 2020 19:33

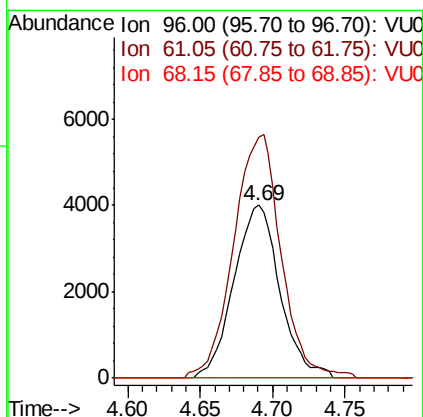
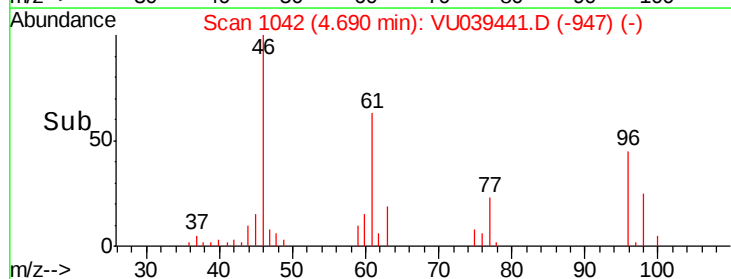
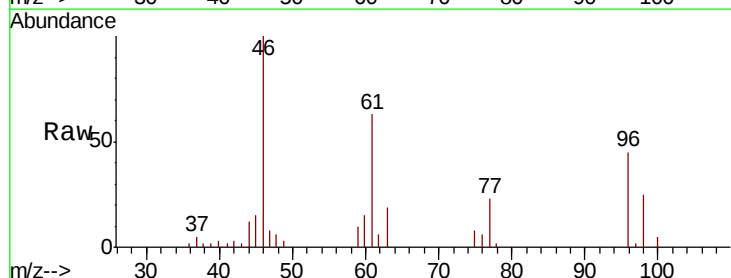
Tgt Ion: 96 Resp: 8838

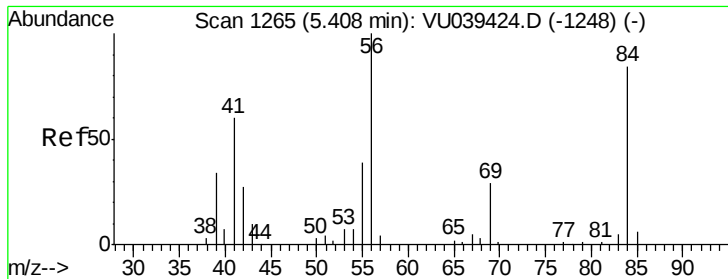
Ion Ratio Lower Upper

96 100

61 139.4 92.8 172.4

68 0.0 0.0 0.0

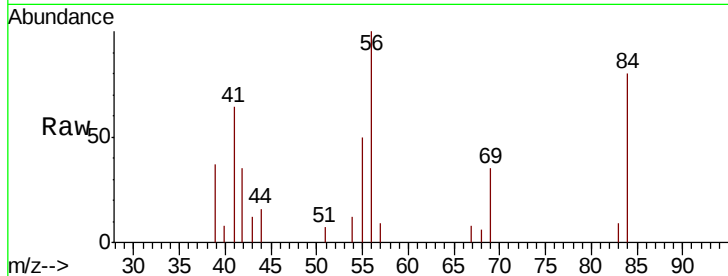




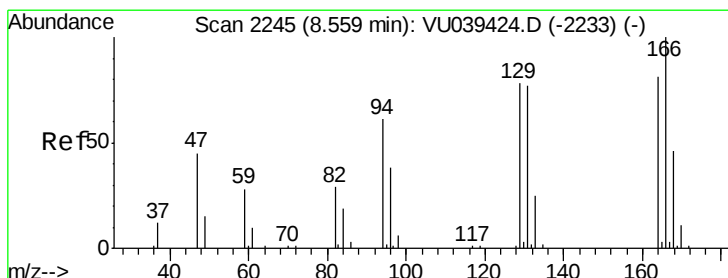
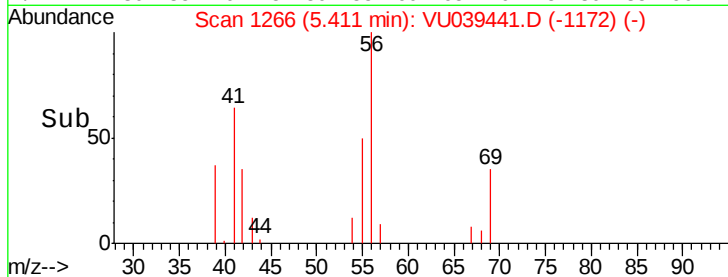
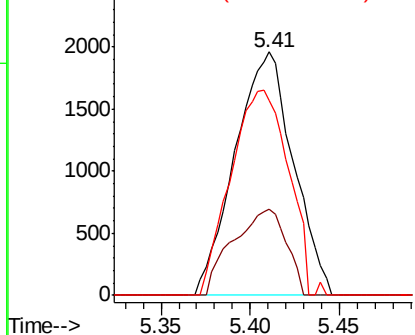
#30  
Cyclohexane  
Concen: 0.431 ug/L  
RT: 5.41 min Scan# 1266  
Delta R.T. 0.00 min  
Lab File: VU039441.D  
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Tot Ion: 56 Resp: 4466  
Ion Ratio Lower Upper  
56 100  
69 32.3 24.1 36.1  
84 83.0 67.0 100.6

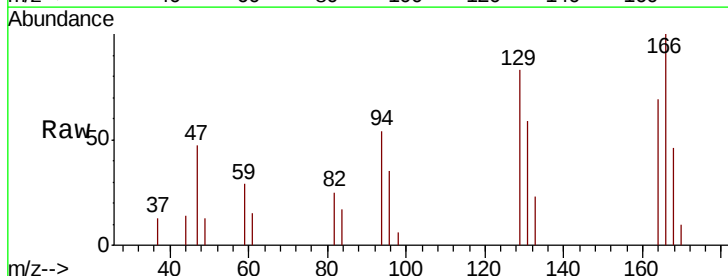


Abundance Ion 56.10 (55.80 to 56.80): VU0  
Ion 69.15 (68.85 to 69.85): VU0  
Ion 84.15 (83.85 to 84.85): VU0



#47  
Tetrachloroethene  
Concen: 0.600 ug/L  
RT: 8.56 min Scan# 2245  
Delta R.T. -0.00 min  
Lab File: VU039441.D  
Acq: 10 Jul 2020 19:33

Tgt Ion:164 Resp: 2693  
Ion Ratio Lower Upper  
164 100  
129 120.6 68.6 127.4  
131 86.3 66.4 123.4  
166 145.5 85.9 159.5



Abundance Ion 163.90 (163.60 to 164.60): V  
Ion 128.95 (128.65 to 129.65): V  
Ion 130.95 (130.65 to 131.65): V  
Ion 165.90 (165.60 to 166.60): V

