

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062520\  
 Data File : VU039115.D  
 Acq On : 25 Jun 2020 14:52  
 Operator : SY/MD  
 Sample : L3109-10DL 5X  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 F9F34DL

Quant Time: Jun 26 02:09:26 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR062320WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Jun 26 00:59:08 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 256586   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 261220   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.82 | 152  | 109496   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 86427    | 4.60     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 92.00%  |
| 7) Chloroethane-d5             | 1.93   | 69    | 83708    | 5.39     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 107.80% |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 131134   | 3.63     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 72.60%  |
| 20) 2-Butanone-d5              | 4.68   | 46    | 427108   | 62.99    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 125.98% |
| 24) Chloroform-d               | 5.10   | 84    | 198588   | 5.38     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 107.60% |
| 26) 1,2-Dichloroethane-d4      | 5.74   | 65    | 124914   | 5.50     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 110.00% |
| 32) Benzene-d6                 | 5.76   | 84    | 370771   | 5.12     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 102.40% |
| 36) 1,2-Dichloropropane-d6     | 6.72   | 67    | 129179   | 5.31     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 106.20% |
| 41) Toluene-d8                 | 7.92   | 98    | 280621   | 4.63     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 92.60%  |
| 43) trans-1,3-Dichloropropene- | 8.20   | 79    | 50544    | 4.78     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 95.60%  |
| 46) 2-Hexanone-d5              | 8.65   | 63    | 324677   | 59.46    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 118.92% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77  | 84    | 117408   | 5.19     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 103.80% |
| 64) 1,2-Dichlorobenzene-d4     | 12.20  | 152   | 114277   | 5.60     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 112.00% |

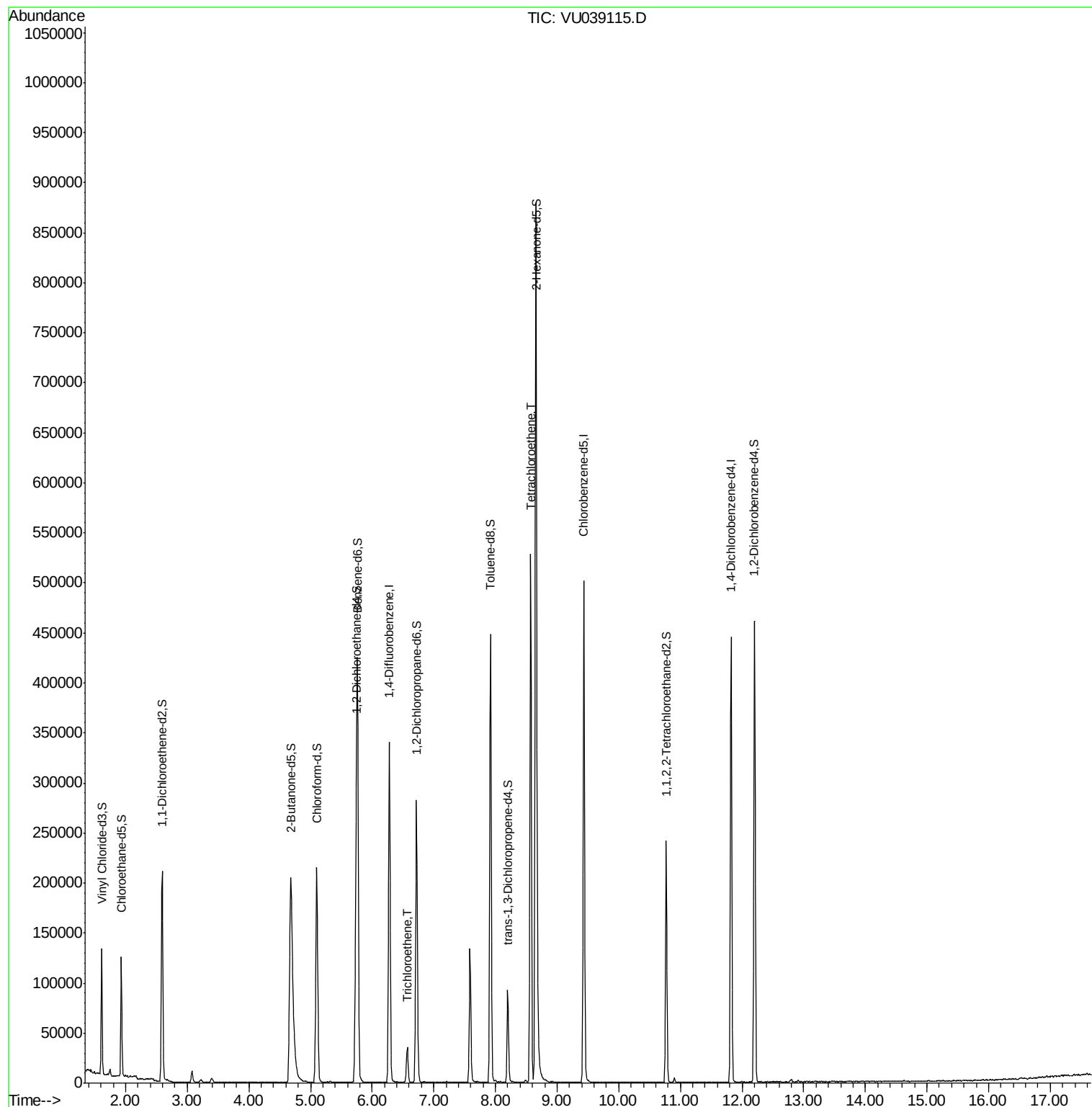
| Target Compounds      |      |     |        | Ovalue        |
|-----------------------|------|-----|--------|---------------|
| 34) Trichloroethene   | 6.57 | 95  | 11286  | 0.569 ug/L 95 |
| 47) Tetrachloroethene | 8.57 | 164 | 108958 | 7.615 ug/L 99 |

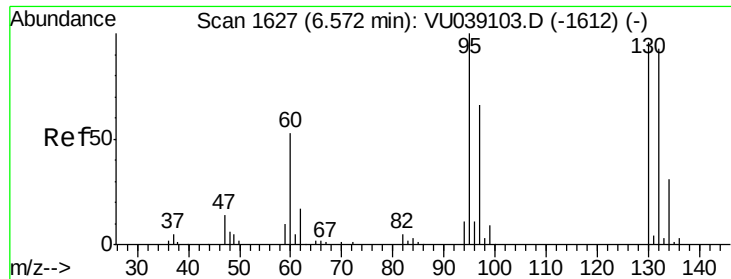
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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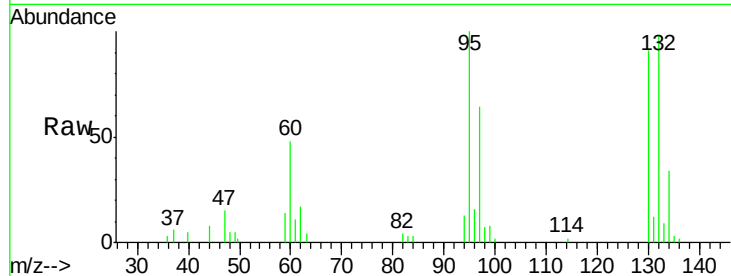




#34  
 Trichloroethene  
 Concen: 0.569 ug/L  
 RT: 6.57 min Scan# 1627  
 Delta R.T. -0.00 min  
 Lab File: VU039115.D  
 Acq: 25 Jun 2020 14:52

Instrument :  
 MSVOA\_U  
 ClientSampleID :  
 F9F34DL

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 95    | Resp: | 11286 |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 97       | 64.4  | 45.1  | 83.7  |
| 132      | 97.7  | 65.1  | 120.9 |
| 130      | 90.8  | 68.6  | 127.4 |

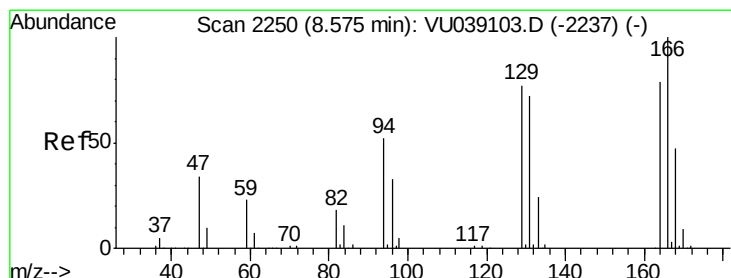
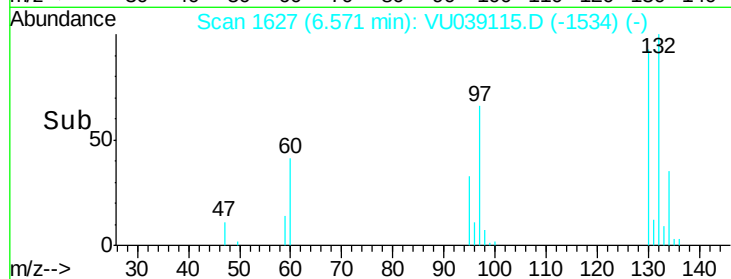
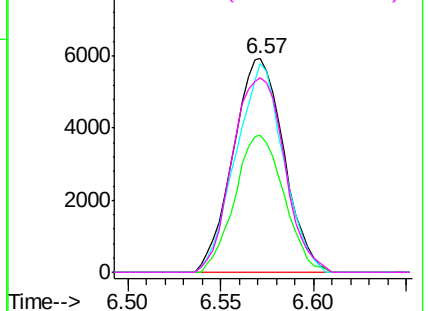


Abundance Ion 95.00 (94.70 to 95.70): VU039115.D (-1534) (-)

Ion 96.95 (96.65 to 97.65): VU039115.D (-1534) (-)

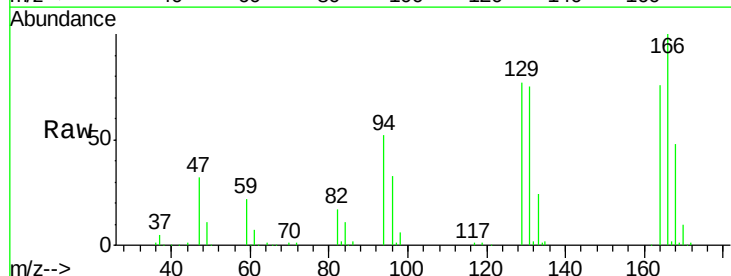
Ion 131.95 (131.65 to 132.65): VU039115.D (-1534) (-)

Ion 129.95 (129.65 to 130.65): VU039115.D (-1534) (-)



#47  
 Tetrachloroethene  
 Concen: 7.615 ug/L  
 RT: 8.57 min Scan# 2249  
 Delta R.T. -0.00 min  
 Lab File: VU039115.D  
 Acq: 25 Jun 2020 14:52

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 108958 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 129      | 101.4 | 71.3  | 132.5  |
| 131      | 98.0  | 68.3  | 126.8  |
| 166      | 131.3 | 90.8  | 168.6  |



Abundance Ion 163.90 (163.60 to 164.60): VU039115.D (-2157) (-)

Ion 128.95 (128.65 to 129.65): VU039115.D (-2157) (-)

Ion 130.95 (130.65 to 131.65): VU039115.D (-2157) (-)

Ion 165.90 (165.60 to 166.60): VU039115.D (-2157) (-)

