

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061220\  
 Data File : VV016880.D  
 Acq On : 12 Jun 2020 15:37  
 Operator : SY/MD  
 Sample : L2947-03  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BFXE2

Quant Time: Jun 13 02:28:26 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM060820WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Jun 13 01:34:58 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 326395   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 311729   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 151286   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.31    | 65    | 94407    | 40.99    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 81.98%  |
| 7) Chloroethane-d5             | 1.56    | 69    | 71945    | 52.06    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 104.12% |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 137159   | 35.47    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 70.94%  |
| 21) 2-Butanone-d5              | 3.89    | 46    | 166340   | 97.58    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 97.58%  |
| 24) Chloroform-d               | 4.37    | 84    | 215414   | 46.00    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 92.00%  |
| 26) 1,2-Dichloroethane-d4      | 5.05    | 65    | 158483   | 49.75    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 99.50%  |
| 32) Benzene-d6                 | 5.07    | 84    | 417326   | 46.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 92.88%  |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 129549   | 46.25    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 92.50%  |
| 41) Toluene-d8                 | 7.34    | 98    | 380834   | 46.18    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 92.36%  |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 65692    | 45.03    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 90.06%  |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 96251    | 78.82    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 78.82%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 166909   | 45.01    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 90.02%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 165087   | 51.13    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 102.26% |

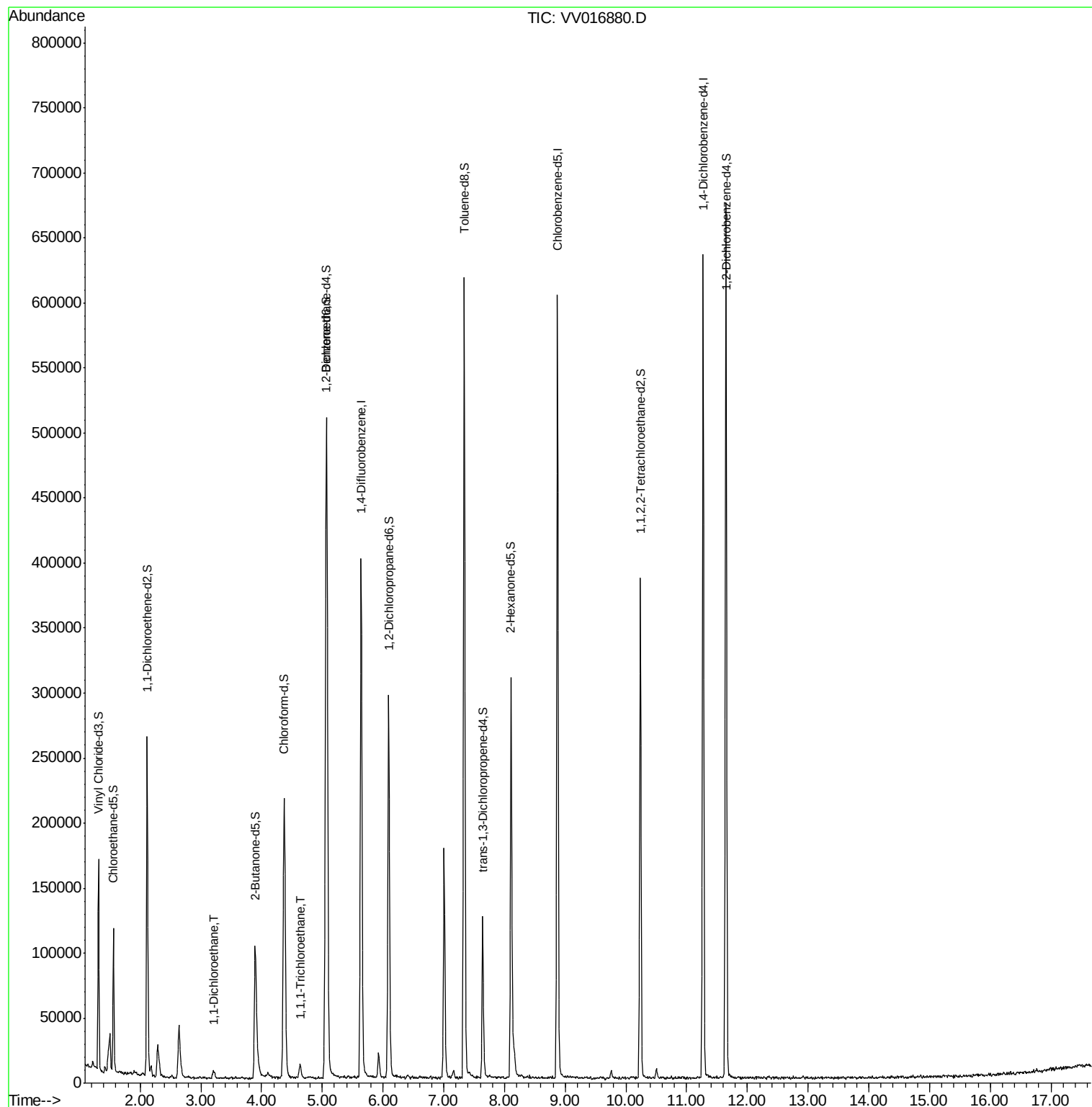
| Target Compounds          |      |    |      |            | Ovalue |
|---------------------------|------|----|------|------------|--------|
| 19) 1,1-Dichloroethane    | 3.21 | 63 | 5633 | 1.355 ug/L | 95     |
| 30) 1,1,1-Trichloroethane | 4.63 | 97 | 7489 | 1.884 ug/L | 92     |

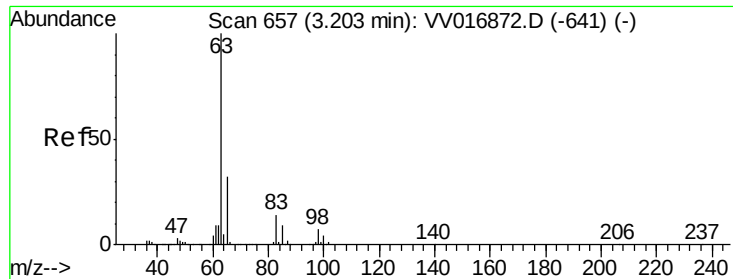
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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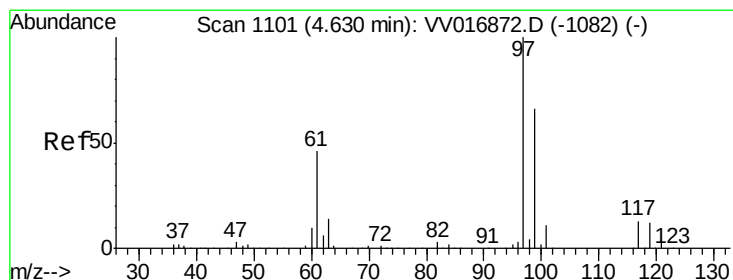
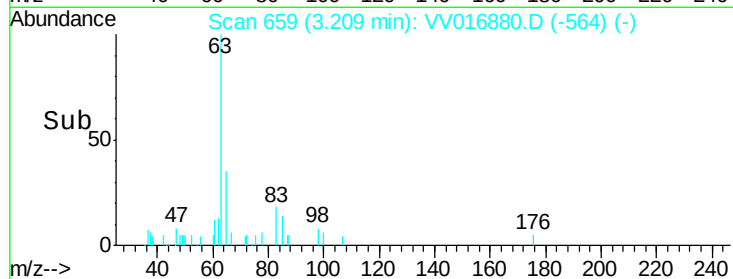
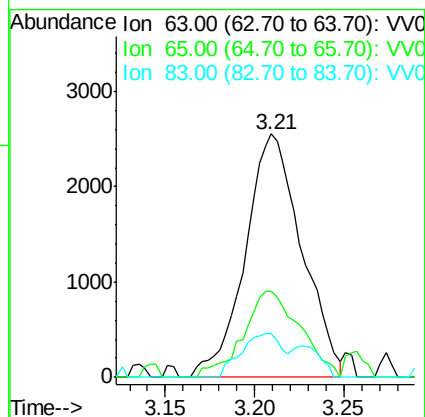
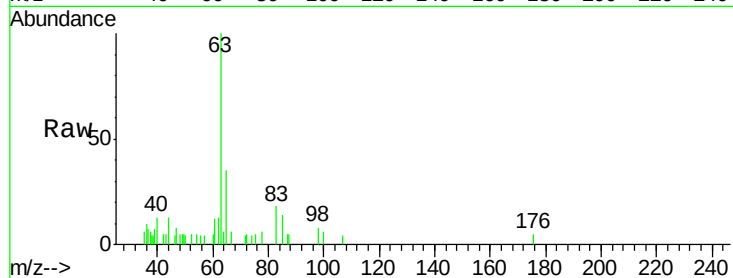




#19  
 1,1-Dichloroethane  
 Concen: 1.355 ug/L  
 RT: 3.21 min Scan# 659  
 Delta R.T. 0.01 min  
 Lab File: VV016880.D  
 Acq: 12 Jun 2020 15:37

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BFXE2

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 63    | Resp: | 5633  |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 65       | 35.4  | 23.2  | 43.0  |
| 83       | 17.9  | 10.0  | 18.6  |



#30  
 1,1,1-Trichloroethane  
 Concen: 1.884 ug/L  
 RT: 4.63 min Scan# 1102  
 Delta R.T. 0.00 min  
 Lab File: VV016880.D  
 Acq: 12 Jun 2020 15:37

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 7489  |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 69.3  | 51.3  | 76.9  |
| 61       | 39.9  | 36.7  | 55.1  |

