

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV103018\  
 Data File : VV008479.D  
 Acq On : 30 Oct 2018 19:43  
 Operator : SY/MD  
 Sample : J5716-18  
 Misc : 5.0 mL/MSVOA V/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 ETBQ9

Quant Time: Nov 13 08:14:02 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM102318WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Oct 31 07:14:32 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 189936   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 172418   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 71666    | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |        |
|--------------------------------|---------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 49105    | 46.69    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 93.38% |
| 7) Chloroethane-d5             | 1.56    | 69    | 36363    | 47.89    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 95.78% |
| 11) 1,1-Dichloroethene-d2      | 2.13    | 63    | 66154    | 34.83    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 69.66% |
| 21) 2-Butanone-d5              | 3.94    | 46    | 102196   | 89.42    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 89.42% |
| 24) Chloroform-d               | 4.41    | 84    | 117582   | 45.33    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 90.66% |
| 26) 1,2-Dichloroethane-d4      | 5.09    | 65    | 81261    | 46.86    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.72% |
| 32) Benzene-d6                 | 5.10    | 84    | 243683   | 49.60    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 99.20% |
| 36) 1,2-Dichloropropane-d6     | 6.12    | 67    | 82474    | 48.36    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 96.72% |
| 41) Toluene-d8                 | 7.36    | 98    | 218635   | 49.01    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 98.02% |
| 43) trans-1,3-Dichloropropene- | 7.67    | 79    | 38165    | 46.06    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 92.12% |
| 47) 2-Hexanone-d5              | 8.14    | 63    | 81696    | 91.74    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 91.74% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27   | 84    | 109775   | 47.53    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 95.06% |
| 64) 1,2-Dichlorobenzene-d4     | 11.68   | 152   | 73023    | 49.81    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 99.62% |

## Target Compounds

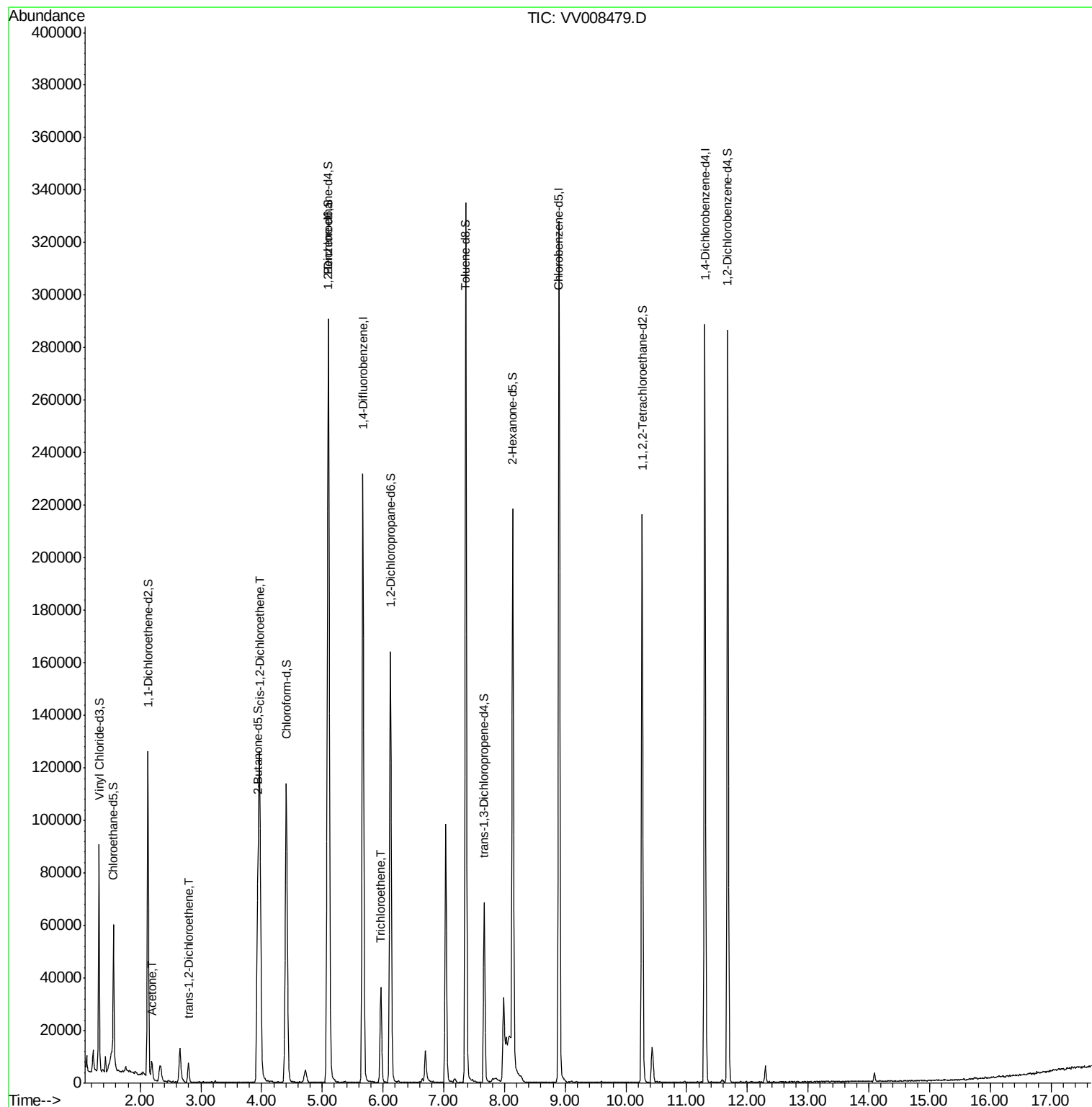
|                              |      |    |       |             | Ovalue |
|------------------------------|------|----|-------|-------------|--------|
| 13) Acetone                  | 2.20 | 43 | 4740  | 5.344 ug/L  | 95     |
| 17) trans-1,2-Dichloroethene | 2.79 | 96 | 2699  | 2.078 ug/L  | 95     |
| 20) cis-1,2-Dichloroethene   | 3.97 | 96 | 60004 | 40.544 ug/L | 96     |
| 34) Trichloroethene          | 5.96 | 95 | 12983 | 8.998 ug/L  | 98     |

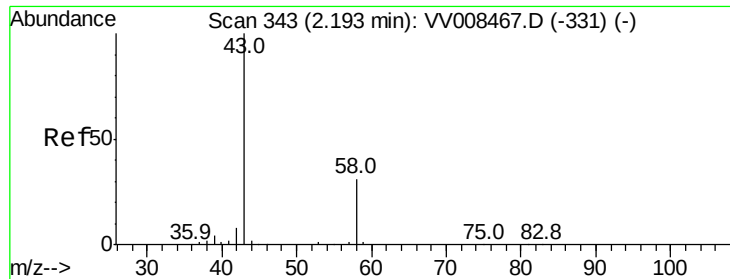
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 5.344 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.00 min

Lab File: VV008479.D

Acq: 30 Oct 2018 19:43

Instrument :

MSVOA\_V

ClientSampled :

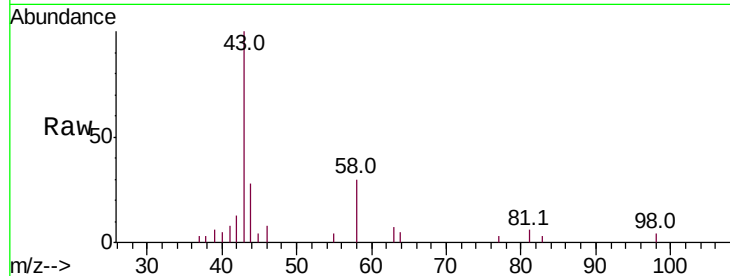
ETBQ9

Tot Ion: 43 Resp: 4740

Ion Ratio Lower Upper

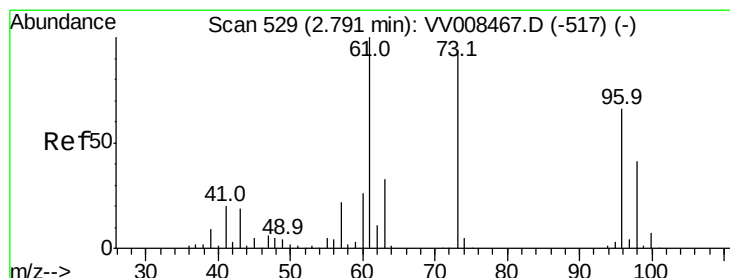
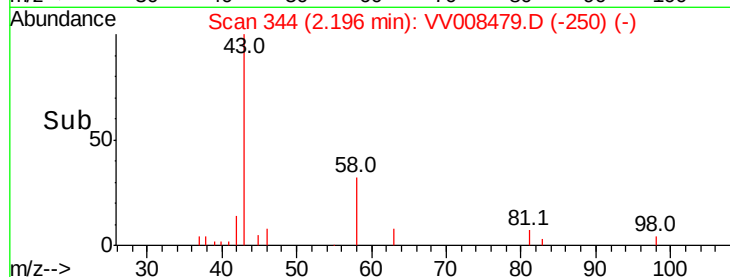
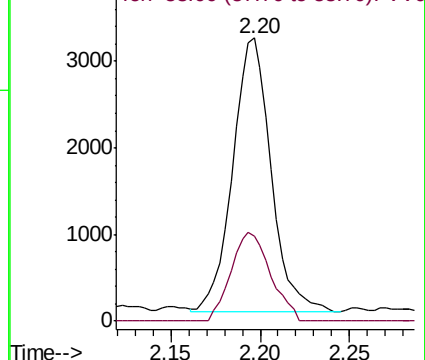
43 100

58 33.3 0.0 61.4



Abundance Ion 43.00 (42.70 to 43.70): VV008467.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV008467.D (-331) (-)



#17

trans-1,2-Dichloroethene

Concen: 2.078 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV008479.D

Acq: 30 Oct 2018 19:43

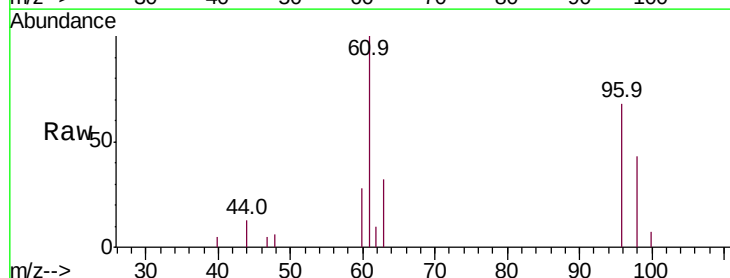
Tgt Ion: 96 Resp: 2699

Ion Ratio Lower Upper

96 100

61 147.1 108.6 201.6

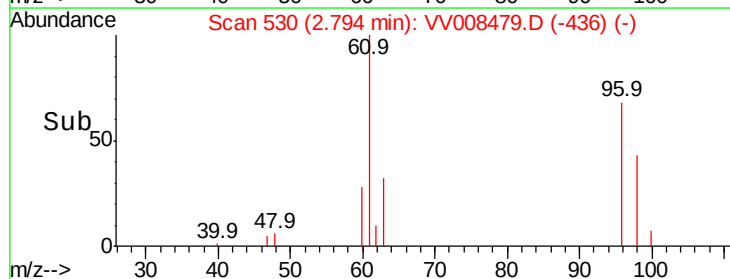
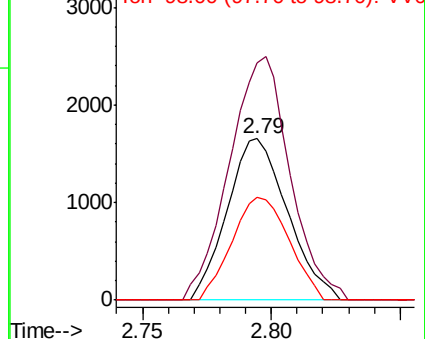
98 63.9 44.3 82.3

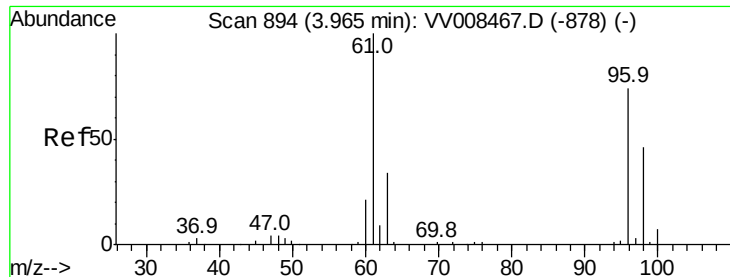


Abundance Ion 96.00 (95.70 to 96.70): VV008467.D (-517) (-)

Ion 61.00 (60.70 to 61.70): VV008467.D (-517) (-)

Ion 98.00 (97.70 to 98.70): VV008467.D (-517) (-)



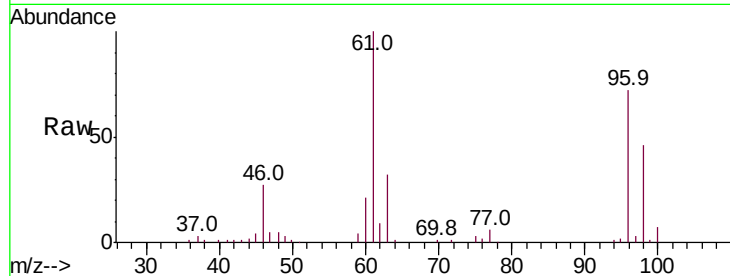


#20

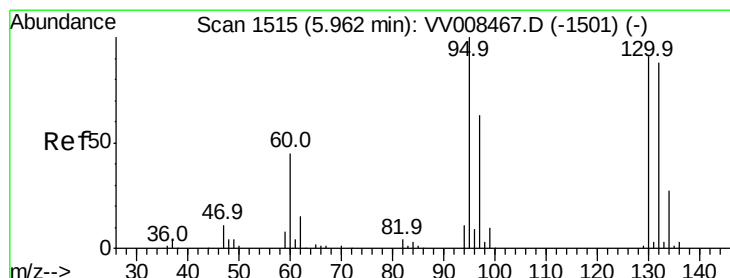
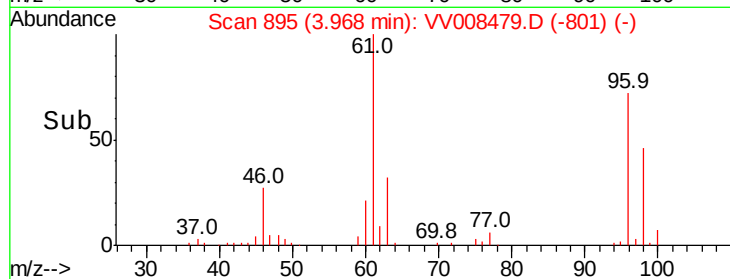
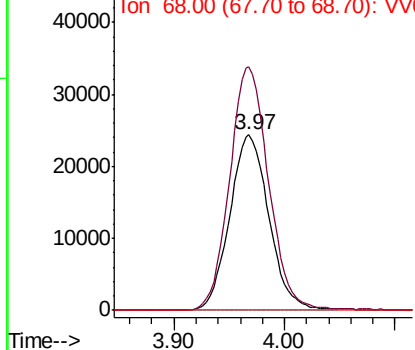
cis-1,2-Dichloroethene  
Concen: 40.544 ug/L  
RT: 3.97 min Scan# 895  
Delta R.T. 0.00 min  
Lab File: VV008479.D  
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Tot Ion: 96 Resp: 60004  
Ion Ratio Lower Upper  
96 100  
61 138.7 100.9 187.5  
68 0.0 0.0 0.0



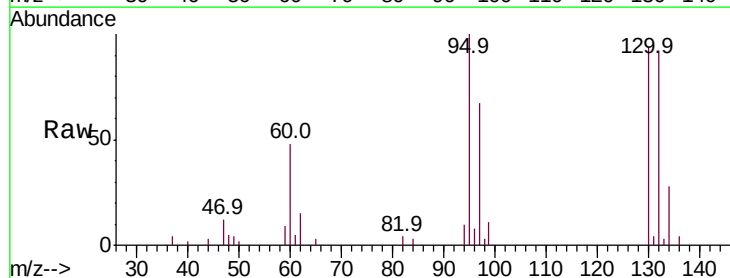
Abundance Ion 96.00 (95.70 to 96.70): VV0  
Ion 61.00 (60.70 to 61.70): VV0  
Ion 68.00 (67.70 to 68.70): VV0



#34

Trichloroethene  
Concen: 8.998 ug/L  
RT: 5.96 min Scan# 1516  
Delta R.T. 0.00 min  
Lab File: VV008479.D  
Acq: 30 Oct 2018 19:43

Tgt Ion: 95 Resp: 12983  
Ion Ratio Lower Upper  
95 100  
97 67.0 45.2 84.0  
132 92.2 63.8 118.6  
130 93.8 64.7 120.1



Abundance Ion 95.00 (94.70 to 95.70): VV0  
Ion 97.00 (96.70 to 97.70): VV0  
Ion 132.00 (131.70 to 132.70): VV0  
Ion 130.00 (129.70 to 130.70): VV0

