

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091620\  
 Data File : VV018260.D  
 Acq On : 17 Sep 2020 01:12  
 Operator : SY/MD  
 Sample : L4042-14  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0AC5

Quant Time: Sep 17 06:17:26 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM090920WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Sep 17 05:33:55 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 297763   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 296726   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 141962   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 93028    | 38.34    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 76.68%  |
| 7) Chloroethane-d5             | 1.58    | 69    | 77414    | 38.99    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 77.98%  |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 145352   | 32.65    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 65.30%  |
| 21) 2-Butanone-d5              | 3.92    | 46    | 119734   | 80.61    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 80.61%  |
| 24) Chloroform-d               | 4.38    | 84    | 167927   | 39.89    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 79.78%  |
| 26) 1,2-Dichloroethane-d4      | 5.06    | 65    | 110270   | 40.86    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 81.72%  |
| 32) Benzene-d6                 | 5.08    | 84    | 337429   | 39.72    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 79.44%  |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 109924   | 40.73    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 81.46%  |
| 41) Toluene-d8                 | 7.34    | 98    | 299358   | 38.67    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 77.34%# |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 51055    | 37.22    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 74.44%  |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 85795    | 83.92    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 83.92%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 140999   | 41.62    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 83.24%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 126972   | 43.55    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 87.10%  |

## Target Compounds

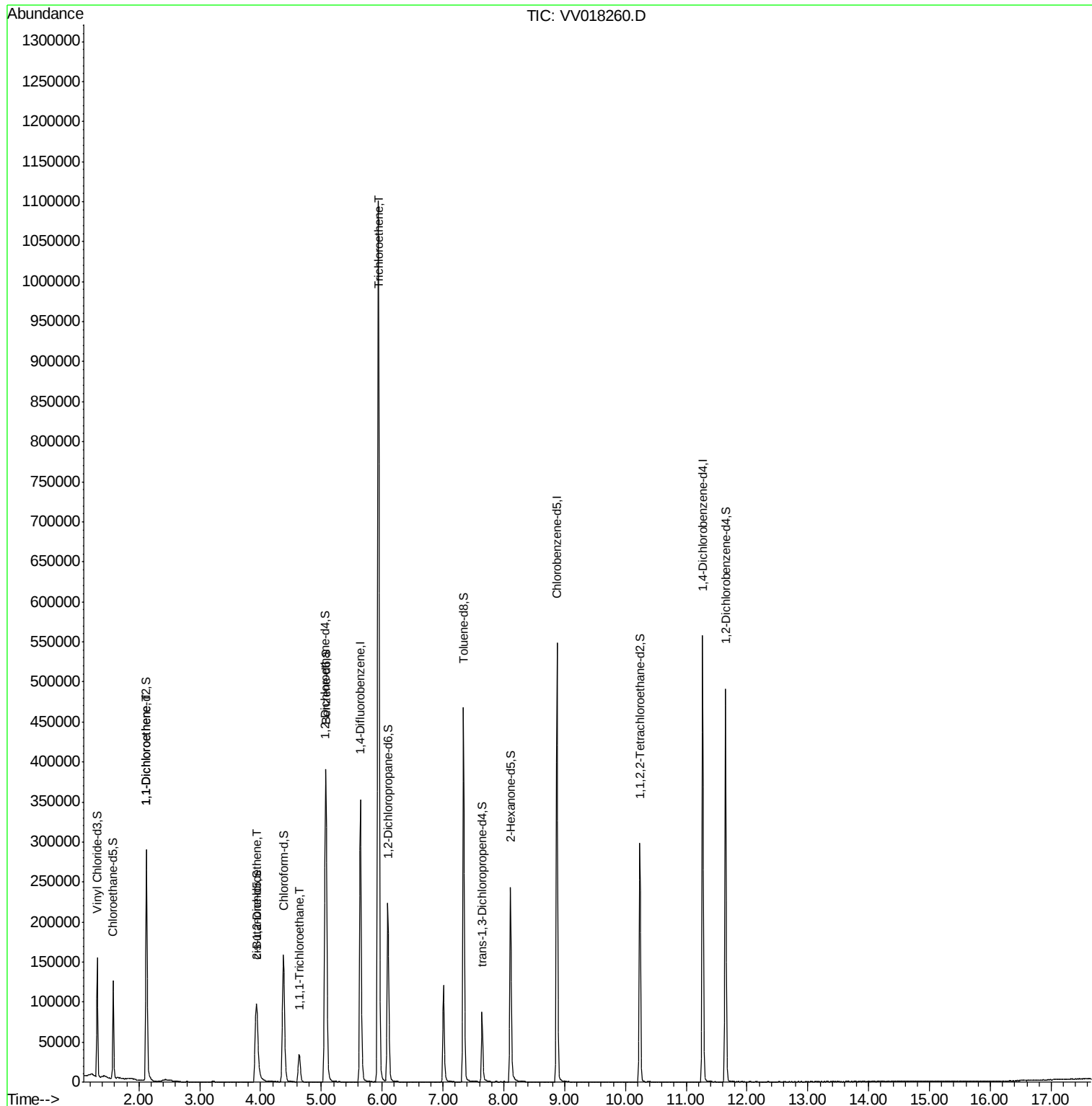
|                            |      |    |        |              | Ovalue |
|----------------------------|------|----|--------|--------------|--------|
| 12) 1,1-Dichloroethene     | 2.13 | 96 | 23871  | 12.210 ug/L  | # 1    |
| 20) cis-1,2-Dichloroethene | 3.94 | 96 | 24526  | 11.387 ug/L  | 99     |
| 30) 1,1,1-Trichloroethane  | 4.64 | 97 | 28519  | 8.282 ug/L   | 99     |
| 34) Trichloroethene        | 5.94 | 95 | 386487 | 167.233 ug/L | 99     |

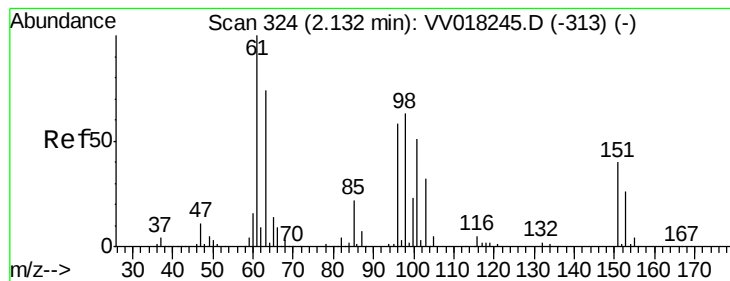
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Thu Sep 17 05:33:55 2020  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 12.210 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018260.D

Acq: 17 Sep 2020 01:12

Instrument :

MSVOA\_V

ClientSampleId :

C0AC5

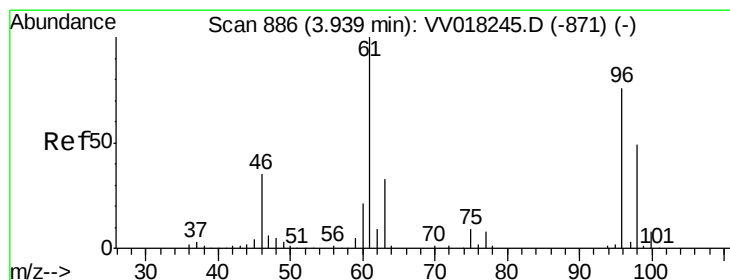
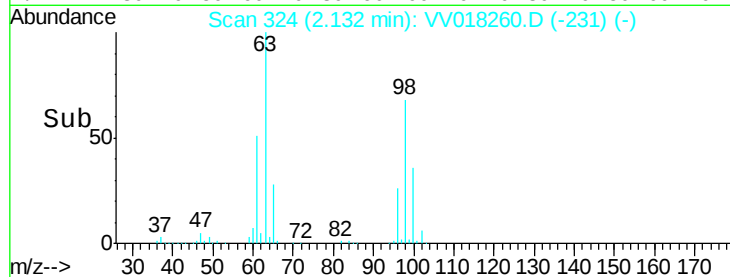
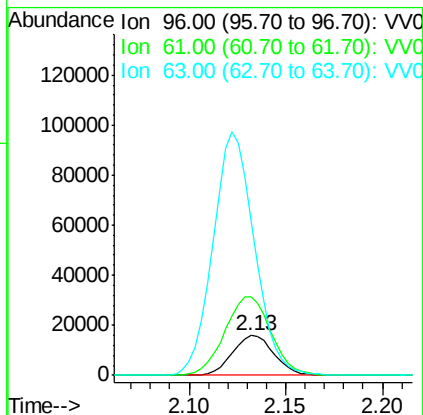
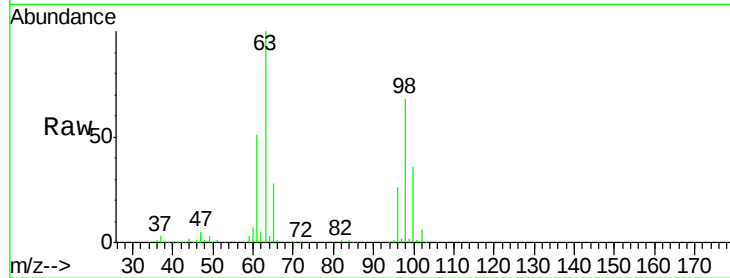
Tot Ion: 96 Resp: 23871

Ion Ratio Lower Upper

96 100

61 199.4 122.9 228.3

63 390.7 91.9 170.7#



#20

cis-1,2-Dichloroethene

Concen: 11.387 ug/L

RT: 3.94 min Scan# 887

Delta R.T. 0.00 min

Lab File: VV018260.D

Acq: 17 Sep 2020 01:12

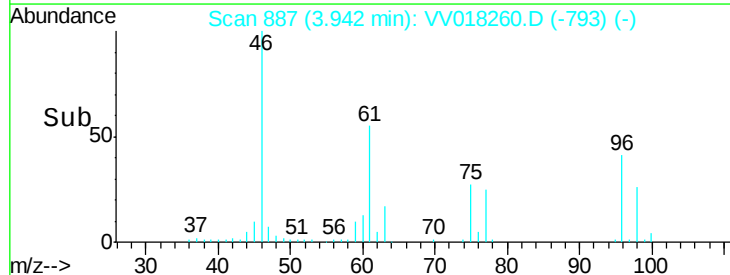
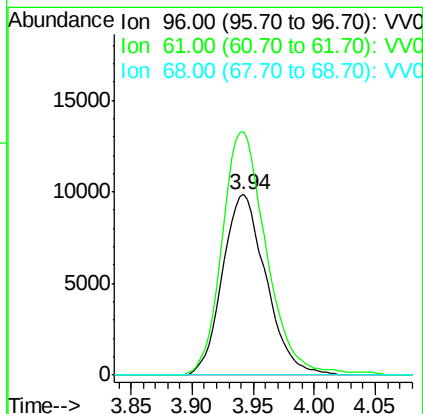
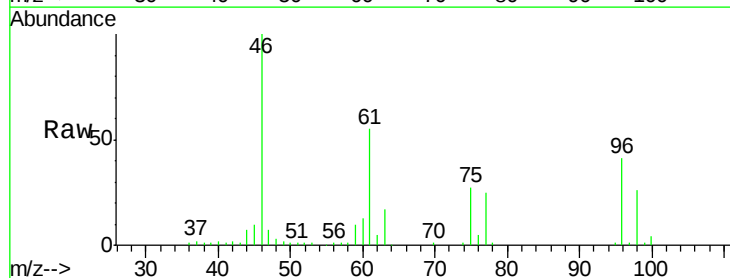
Tgt Ion: 96 Resp: 24526

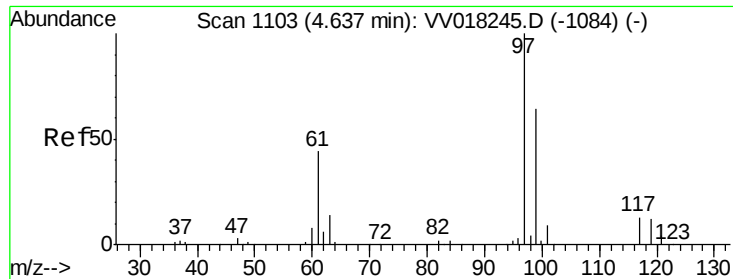
Ion Ratio Lower Upper

96 100

61 135.0 93.6 173.8

68 0.0 0.0 0.0

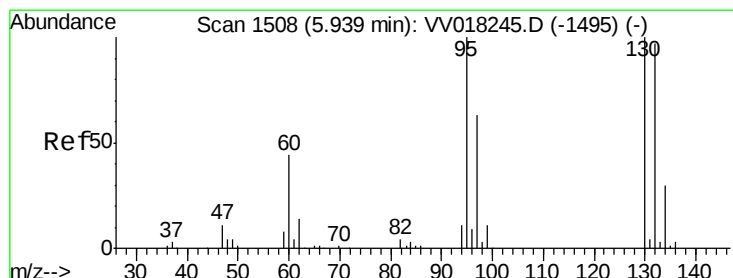
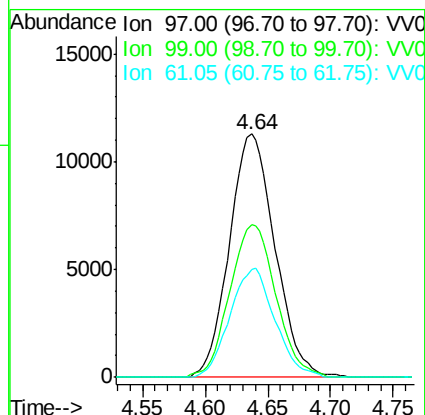
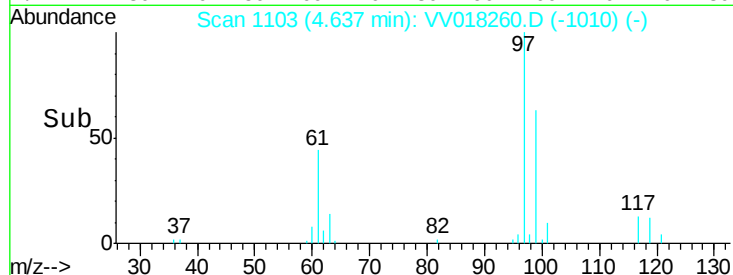
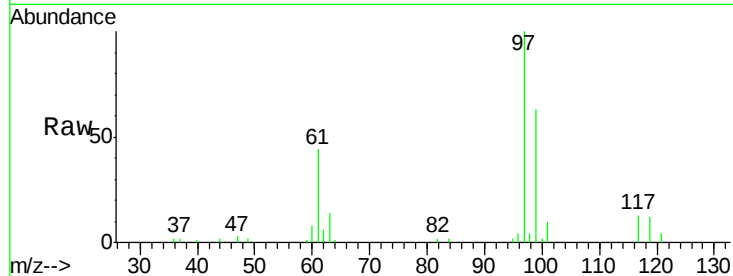




#30  
 1,1,1-Trichloroethane  
 Concen: 8.282 ug/L  
 RT: 4.64 min Scan# 1103  
 Delta R.T. -0.00 min  
 Lab File: VV018260.D  
 Acq: 17 Sep 2020 01:12

Instrument :  
 MSVOA\_V  
 ClientSampled :  
 C0AC5

Tot Ion: 97 Resp: 28519  
 Ion Ratio Lower Upper  
 97 100  
 99 63.5 51.6 77.4  
 61 44.2 34.9 52.3



#34  
 Trichloroethene  
 Concen: 167.233 ug/L  
 RT: 5.94 min Scan# 1507  
 Delta R.T. -0.00 min  
 Lab File: VV018260.D  
 Acq: 17 Sep 2020 01:12

Tgt Ion: 95 Resp: 386487  
 Ion Ratio Lower Upper  
 95 100  
 97 64.2 46.3 85.9  
 132 97.1 68.1 126.5  
 130 101.6 71.5 132.9

