

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081019\  
 Data File : VV012168.D  
 Acq On : 09 Aug 2019 23:14  
 Operator : SY/MD  
 Sample : K4248-05  
 Misc : 5mL/MSVOA V/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 F2B08

Quant Time: Aug 12 04:19:56 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM081019WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Aug 10 05:07:53 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 277158   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 256482   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 110949   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 48870    | 47.93    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 95.86%  |
| 7) Chloroethane-d5             | 1.58    | 69    | 32699    | 50.29    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 100.58% |
| 11) 1,1-Dichloroethene-d2      | 2.13    | 63    | 67914    | 35.23    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 70.46%  |
| 21) 2-Butanone-d5              | 3.93    | 46    | 32086    | 63.64    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 63.64%  |
| 24) Chloroform-d               | 4.40    | 84    | 93252    | 44.02    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 88.04%  |
| 26) 1,2-Dichloroethane-d4      | 5.08    | 65    | 63251    | 52.07    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 104.14% |
| 32) Benzene-d6                 | 5.10    | 84    | 204329   | 51.38    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 102.76% |
| 36) 1,2-Dichloropropane-d6     | 6.12    | 67    | 55761    | 51.55    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 103.10% |
| 41) Toluene-d8                 | 7.36    | 98    | 185744   | 49.04    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 98.08%  |
| 43) trans-1,3-Dichloropropene- | 7.66    | 79    | 26856    | 45.81    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 91.62%  |
| 47) 2-Hexanone-d5              | 8.13    | 63    | 40599    | 98.10    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 98.10%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26   | 84    | 72349    | 48.79    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 97.58%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.67   | 152   | 69259    | 52.82    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 105.64% |

## Target Compounds

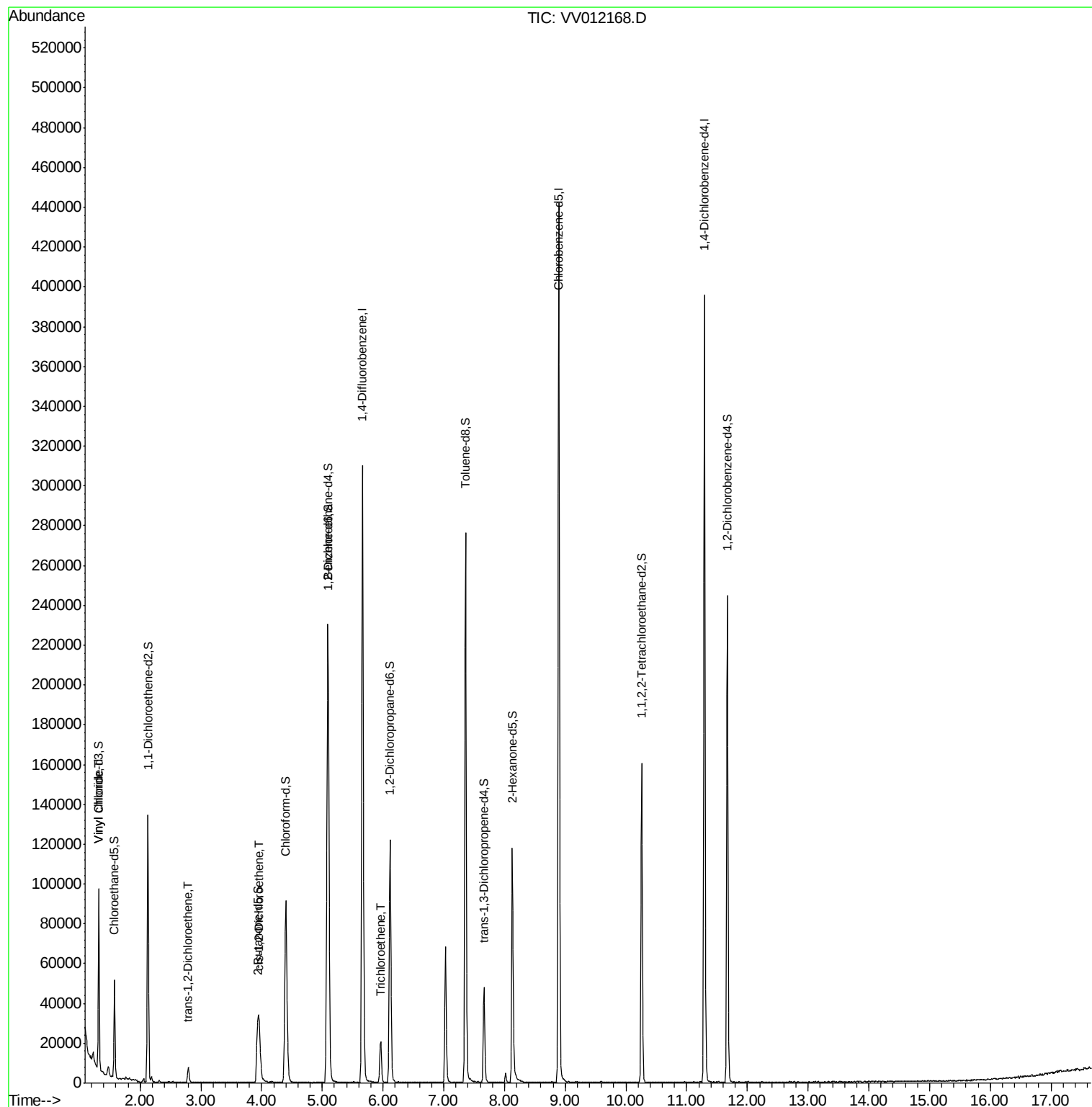
|                              |      |    |      |            | Ovalue |
|------------------------------|------|----|------|------------|--------|
| 5) Vinyl chloride            | 1.32 | 62 | 4807 | 3.137 ug/L | # 78   |
| 17) trans-1,2-Dichloroethene | 2.79 | 96 | 3024 | 1.843 ug/L | 95     |
| 20) cis-1,2-Dichloroethene   | 3.96 | 96 | 9293 | 4.986 ug/L | 93     |
| 34) Trichloroethene          | 5.96 | 95 | 6679 | 3.774 ug/L | 97     |

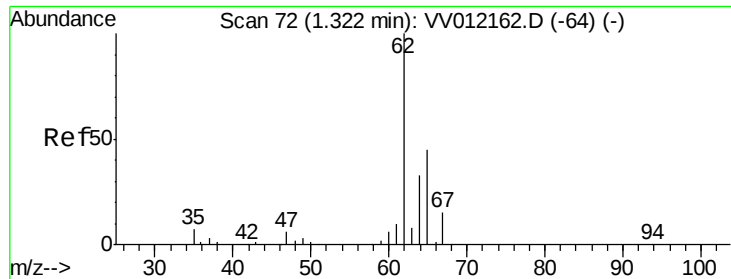
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Aug 10 05:07:53 2019  
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 3.137 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012168.D

Acq: 09 Aug 2019 23:14

Instrument :

MSVOA\_V

ClientSampled :

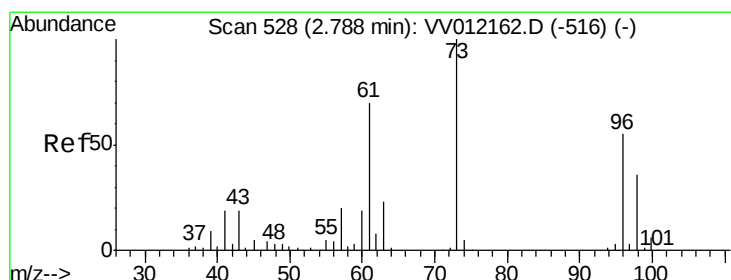
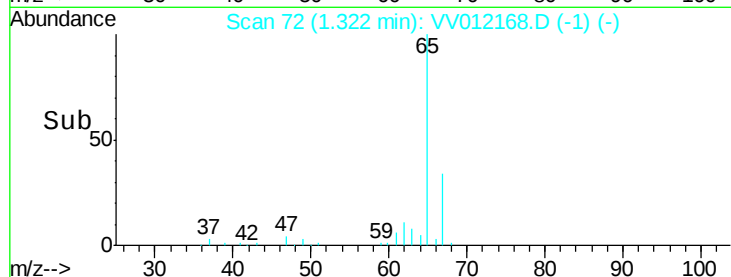
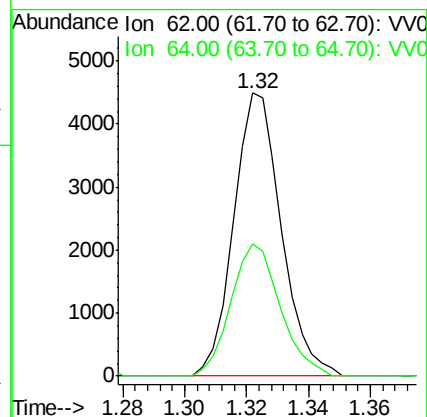
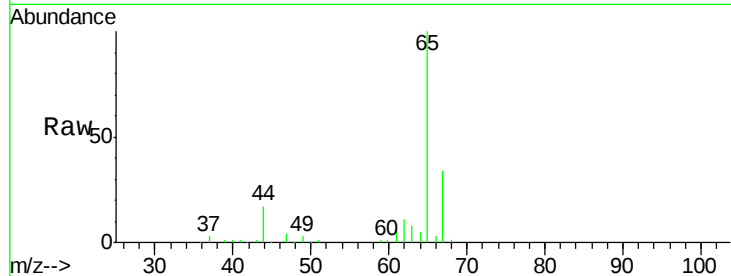
F2B08

Tot Ion: 62 Resp: 4807

Ion Ratio Lower Upper

62 100

64 46.6 23.7 44.1#



#17

trans-1,2-Dichloroethene

Concen: 1.843 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV012168.D

Acq: 09 Aug 2019 23:14

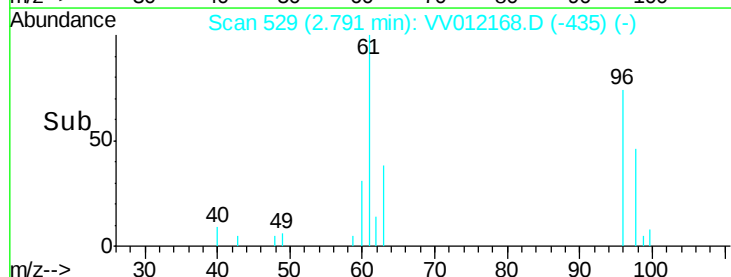
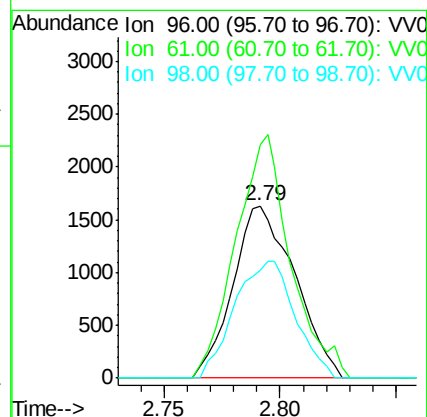
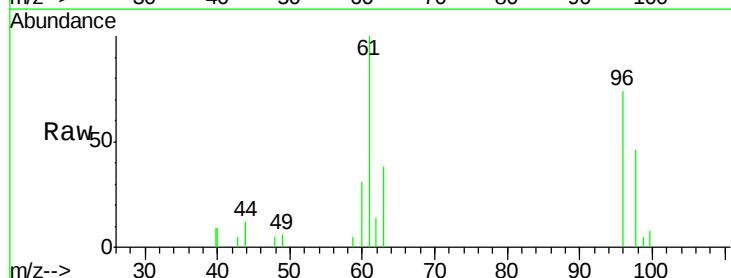
Tgt Ion: 96 Resp: 3024

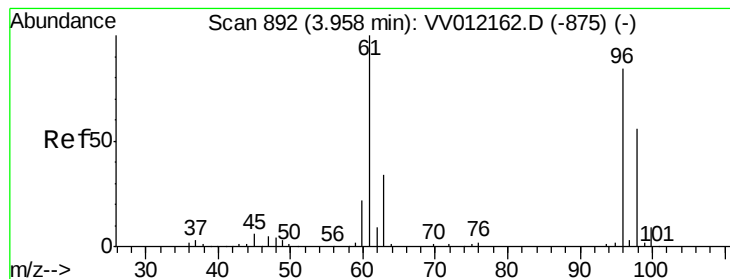
Ion Ratio Lower Upper

96 100

61 135.5 89.3 165.9

98 62.3 44.7 83.1



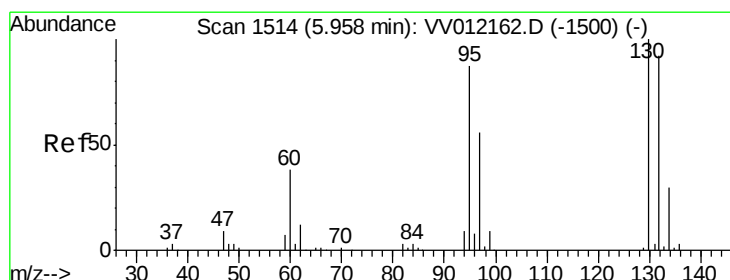
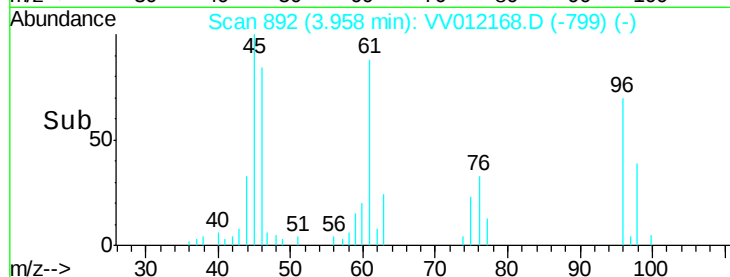
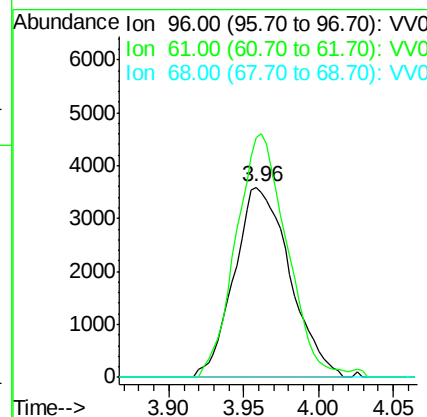
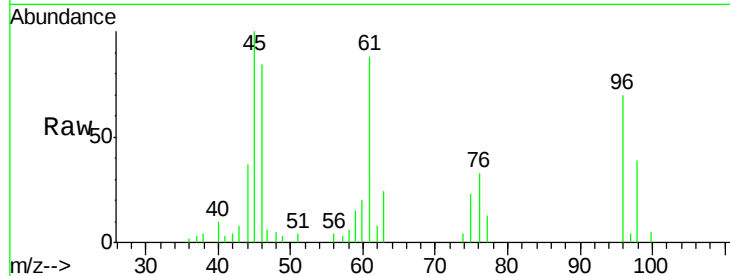


#20

cis-1,2-Dichloroethene  
Concen: 4.986 ug/L  
RT: 3.96 min Scan# 892  
Delta R.T. 0.00 min  
Lab File: VV012168.D  
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Tot Ion: 96 Resp: 9293  
Ion Ratio Lower Upper  
96 100  
61 125.7 82.9 153.9  
68 0.0 0.0 0.0



#34

Trichloroethene  
Concen: 3.774 ug/L  
RT: 5.96 min Scan# 1515  
Delta R.T. 0.00 min  
Lab File: VV012168.D  
Acq: 09 Aug 2019 23:14

Tgt Ion: 95 Resp: 6679  
Ion Ratio Lower Upper  
95 100  
97 64.4 44.7 83.1  
132 102.5 72.7 134.9  
130 101.1 75.9 141.1

