

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080820\  
 Data File : VV017869.D  
 Acq On : 08 Aug 2020 21:19  
 Operator : SY/MD  
 Sample : L3608-03  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 F2L51

Manual Integrations  
 APPROVED

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 8/10/2020 1:35:29 PM

Quant Time: Aug 10 06:19:16 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM080820WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon Aug 10 05:09:16 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 223683   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 215077   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 107599   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.31    | 65    | 34743    | 30.08    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 60.16%  |
| 7) Chloroethane-d5             | 1.58    | 69    | 37260    | 37.97    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 75.94%  |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 76100    | 27.42    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 54.84%# |
| 21) 2-Butanone-d5              | 3.91    | 46    | 77689    | 107.40   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 107.40% |
| 24) Chloroform-d               | 4.37    | 84    | 141386   | 46.68    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.36%  |
| 26) 1,2-Dichloroethane-d4      | 5.06    | 65    | 106962   | 48.60    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 97.20%  |
| 32) Benzene-d6                 | 5.07    | 84    | 231901   | 46.69    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.38%  |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 62740    | 49.82    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 99.64%  |
| 41) Toluene-d8                 | 7.34    | 98    | 225745   | 45.22    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 90.44%  |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 31339    | 38.65    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 77.30%  |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 55547    | 121.79   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 121.79% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 97667    | 49.75    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 99.50%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 109851   | 50.08    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 100.16% |

## Target Compounds

| Target Compounds             | R.T. | QIon | Response | Conc   | Units | Ovalue |
|------------------------------|------|------|----------|--------|-------|--------|
| 5) Vinyl chloride            | 1.32 | 62   | 16271    | 12.450 | ug/L  | 98     |
| 17) trans-1,2-Dichloroethene | 2.78 | 96   | 1976m    | 1.469  | ug/L  |        |
| 20) cis-1,2-Dichloroethene   | 3.94 | 96   | 113744   | 78.300 | ug/L  | 97     |

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

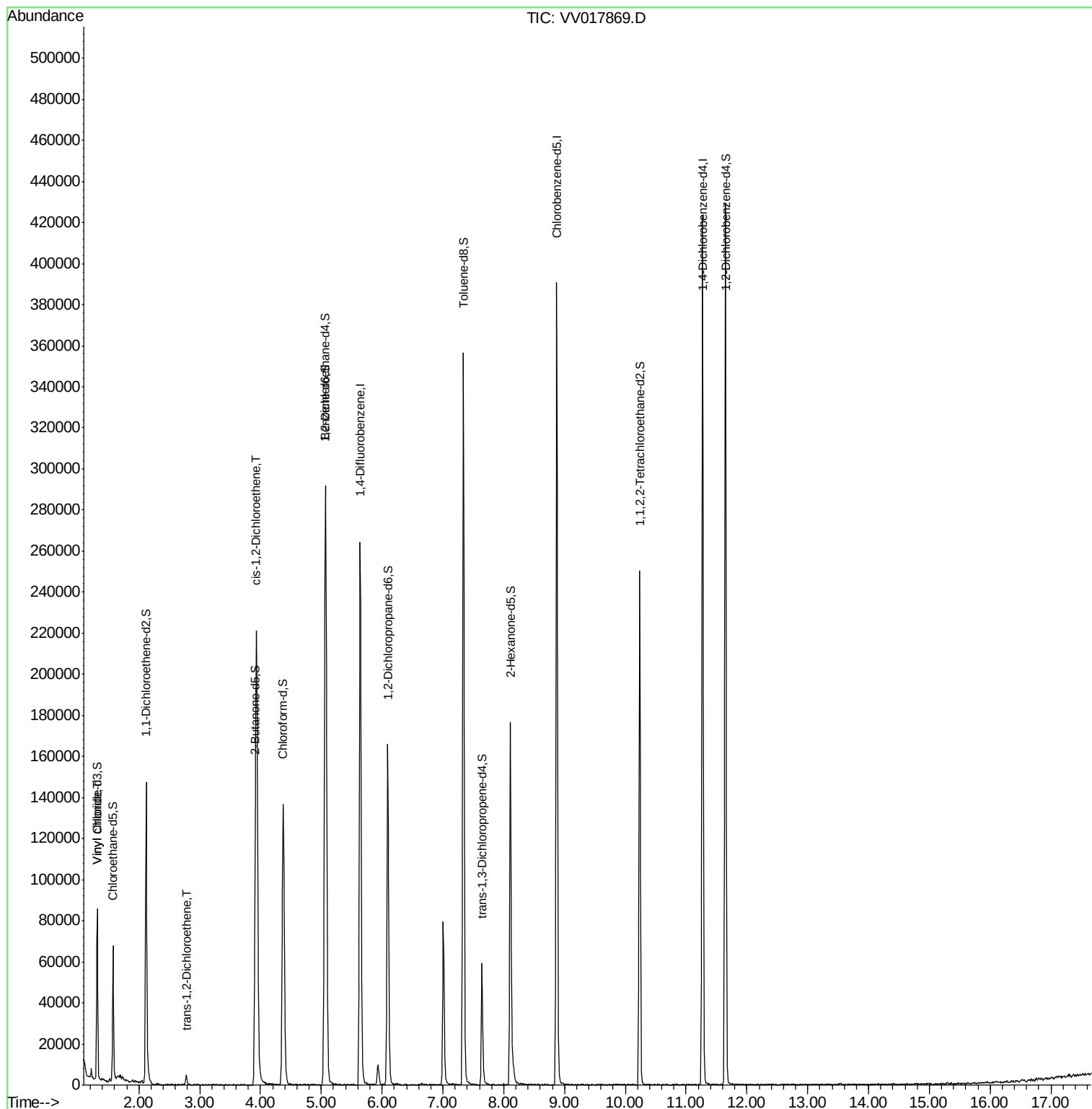
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080820\  
Data File : VV017869.D  
Acq On : 08 Aug 2020 21:19  
Operator : SY/MD  
Sample : L3608-03  
Misc : 5.0mL/MSVOA V/WATER  
ALS Vial : 29 Sample Multiplier: 1

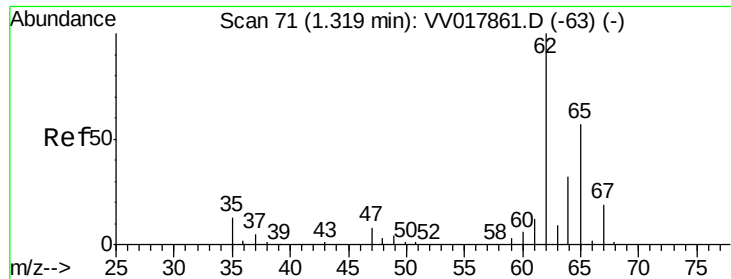
Instrument :  
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Quant Time: Aug 10 06:19:16 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM080820WMA.M  
Quant Title : VOC Analysis  
QLast Update : Mon Aug 10 05:09:16 2020  
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 12.450 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV017869.D

Acq: 08 Aug 2020 21:19

Instrument :

MSVOA\_V

ClientSampled :

F2L51

Tot Ion: 62 Resp: 16271

Ion Ratio Lower Upper

62 100

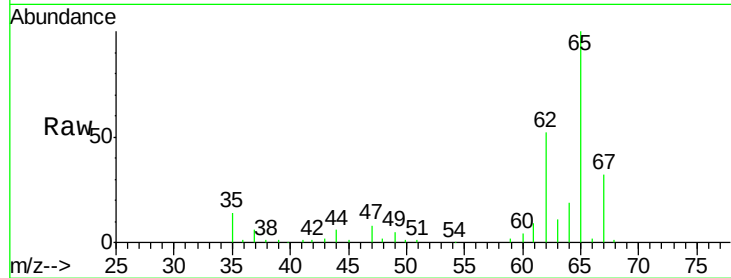
64 35.4 24.0 44.6

Manual Integrations

APPROVED

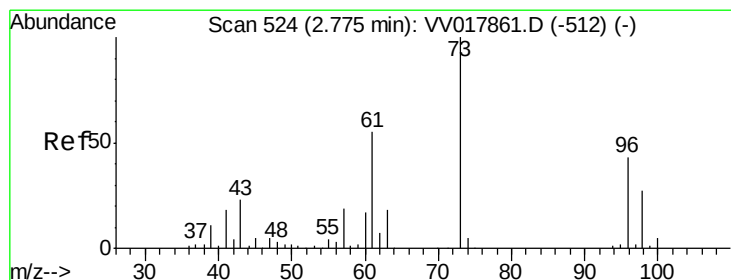
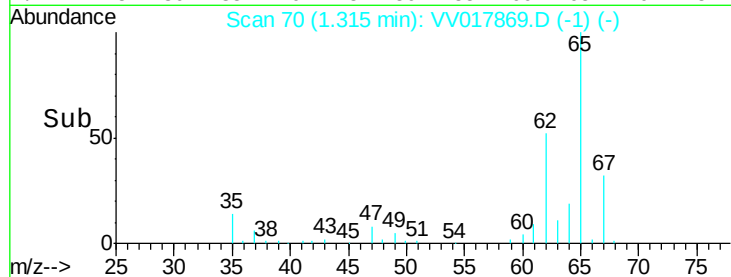
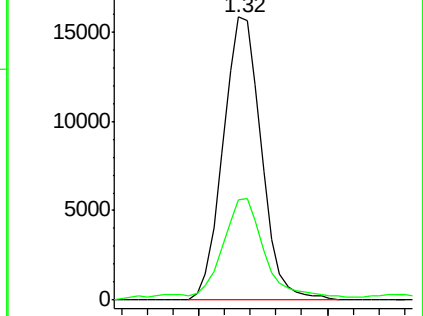
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Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#17

trans-1,2-Dichloroethene

Concen: 1.469 ug/L m

RT: 2.78 min Scan# 524

Delta R.T. -0.00 min

Lab File: VV017869.D

Acq: 08 Aug 2020 21:19

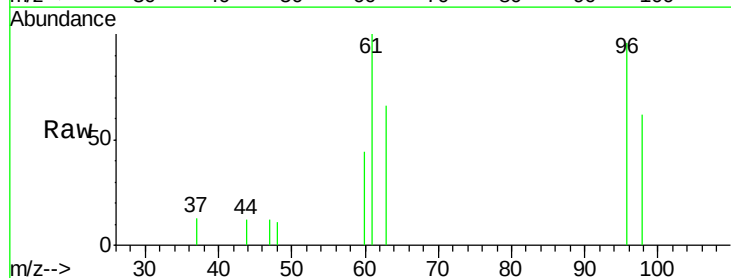
Tgt Ion: 96 Resp: 1976

Ion Ratio Lower Upper

96 100

61 104.5 92.4 171.6

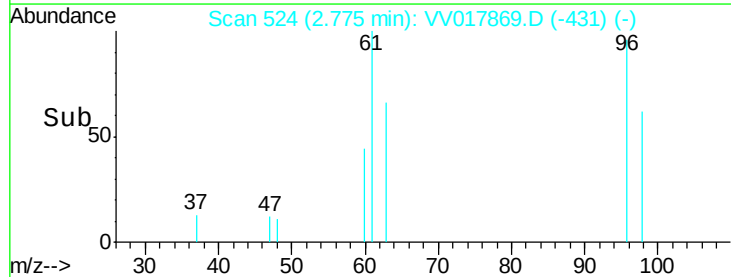
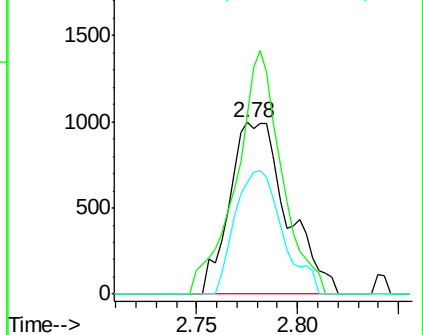
98 64.8 47.5 88.1

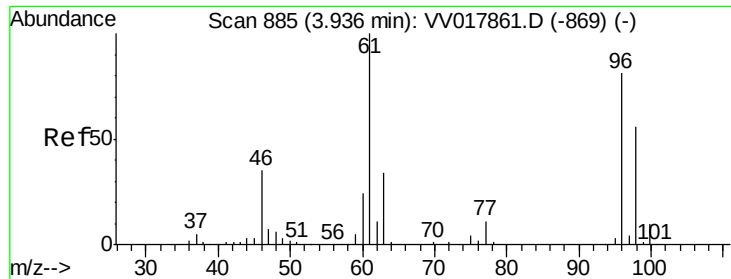


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#20  
 cis-1,2-Dichloroethene  
 Concen: 78.300 ug/L  
 RT: 3.94 min Scan# 885  
 Delta R.T. -0.00 min  
 Lab File: VV017869.D  
 Acq: 08 Aug 2020 21:19

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 F2L51

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 96    | Resp: | 113744 |
| Ion Ratio | Lower | Upper |        |
| 96        | 100   |       |        |
| 61        | 116.8 | 84.4  | 156.8  |
| 68        | 0.0   | 0.0   | 0.0    |

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