

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070720\  
 Data File : VV017382.D  
 Acq On : 07 Jul 2020 17:01  
 Operator : SY/MD  
 Sample : L3154-20DL 5X  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 H4308DL

Quant Time: Jul 08 03:33:16 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR061720WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Jul 08 01:30:57 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 165855   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 163310   | 5.00 | ug/L  | 0.00     |
| 61) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 81499    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 40601    | 4.08     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 81.60% |
| 7) Chloroethane-d5             | 1.58   | 69    | 34334    | 4.74     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 94.80% |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 67730    | 3.58     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 71.60% |
| 20) 2-Butanone-d5              | 3.92   | 46    | 101189   | 39.89    | ug/L | -0.04  |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 79.78% |
| 24) Chloroform-d               | 4.38   | 84    | 96867    | 4.55     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 91.00% |
| 26) 1,2-Dichloroethane-d4      | 5.06   | 65    | 54227    | 4.80     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 96.00% |
| 32) Benzene-d6                 | 5.08   | 84    | 168806   | 3.99     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 79.80% |
| 36) 1,2-Dichloropropane-d6     | 6.10   | 67    | 47968    | 3.78     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 75.60% |
| 41) Toluene-d8                 | 7.34   | 98    | 155572   | 3.91     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 78.20% |
| 45) trans-1,3-Dichloropropene- | 7.65   | 79    | 19951    | 3.78     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 75.60% |
| 48) 2-Hexanone-d5              | 8.11   | 63    | 69805    | 34.68    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 69.36% |
| 59) 1,1,2,2-Tetrachloroethane- | 10.24  | 84    | 36289    | 4.31     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 86.20% |
| 65) 1,2-Dichlorobenzene-d4     | 11.65  | 152   | 65183    | 4.33     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 86.60% |

## Target Compounds

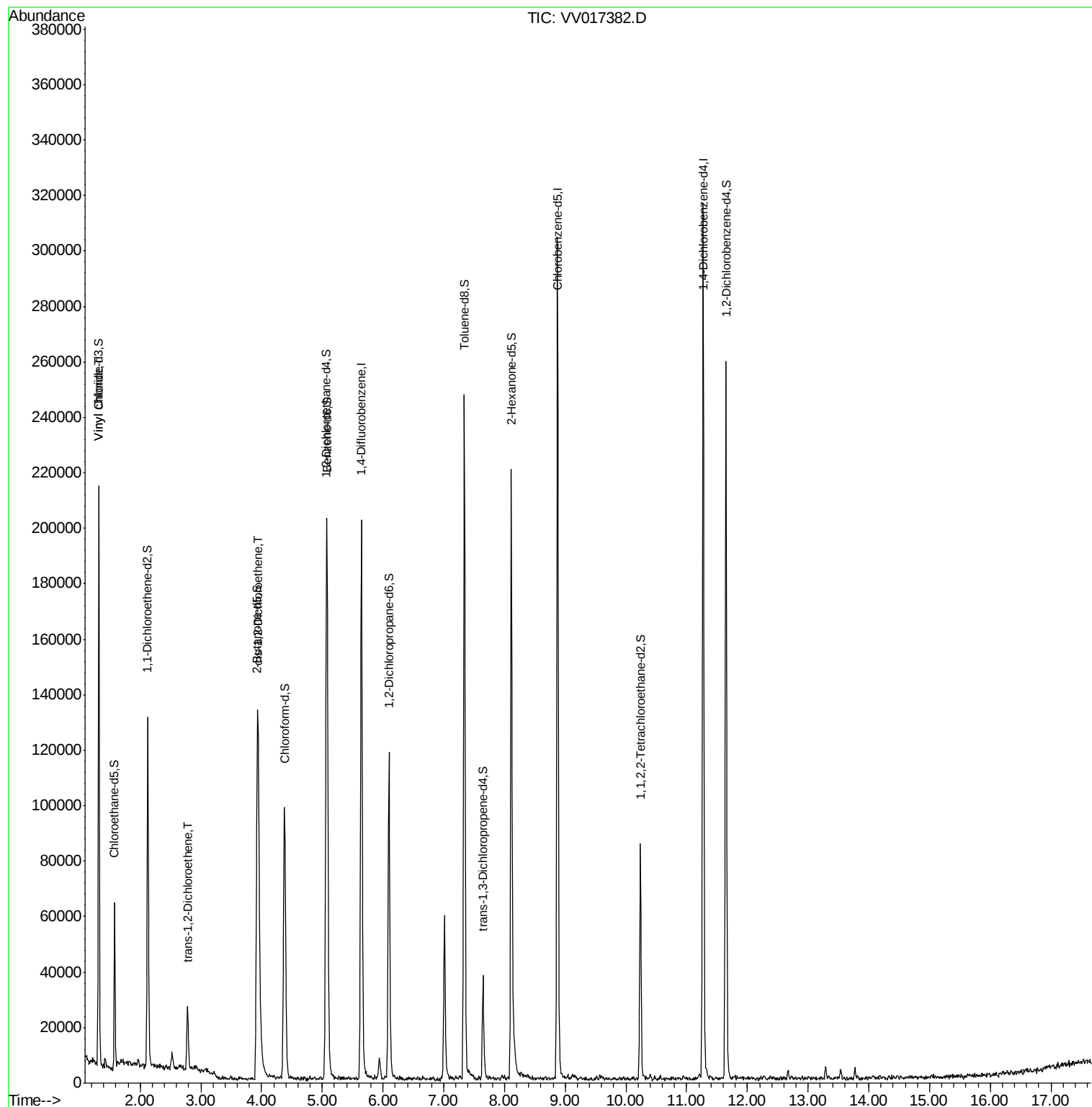
|                              |      |    |       |       | Ovalue   |
|------------------------------|------|----|-------|-------|----------|
| 5) Vinyl chloride            | 1.32 | 62 | 92731 | 8.520 | ug/L 100 |
| 18) trans-1,2-Dichloroethene | 2.78 | 96 | 7447  | 0.883 | ug/L 96  |
| 22) cis-1,2-Dichloroethene   | 3.94 | 96 | 41867 | 3.630 | ug/L 98  |

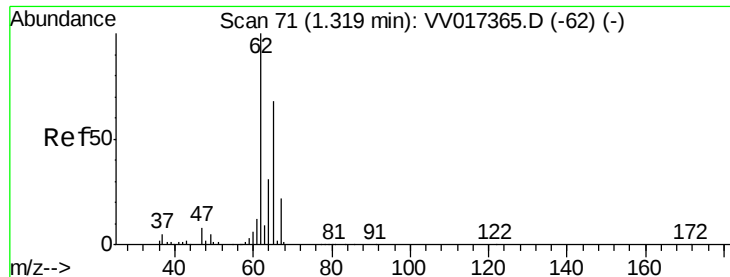
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 8.520 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV017382.D

Acq: 07 Jul 2020 17:01

Instrument :

MSVOA\_V

ClientSampleId :

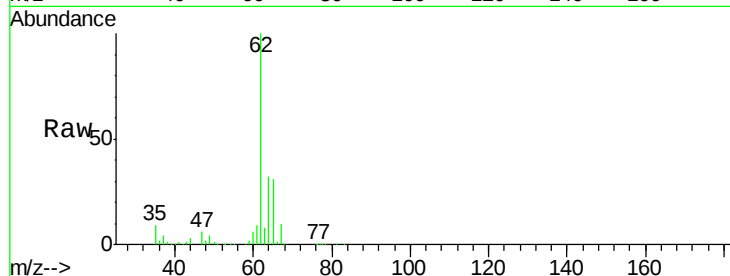
H4308DL

Tot Ion: 62 Resp: 92731

Ion Ratio Lower Upper

62 100

64 32.0 22.5 41.7

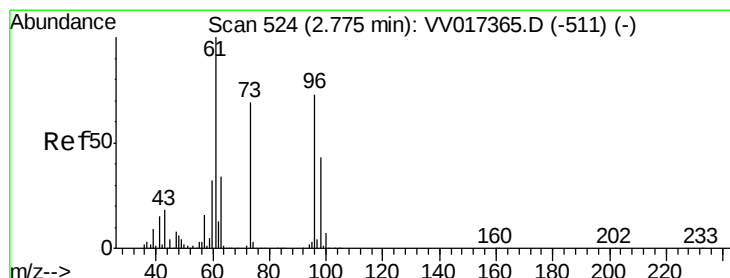
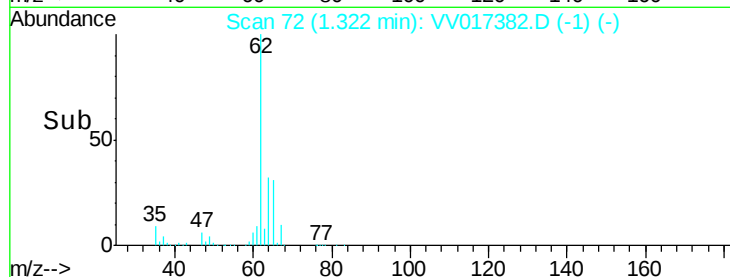


Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

Time-->



#18

trans-1,2-Dichloroethene

Concen: 0.883 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV017382.D

Acq: 07 Jul 2020 17:01

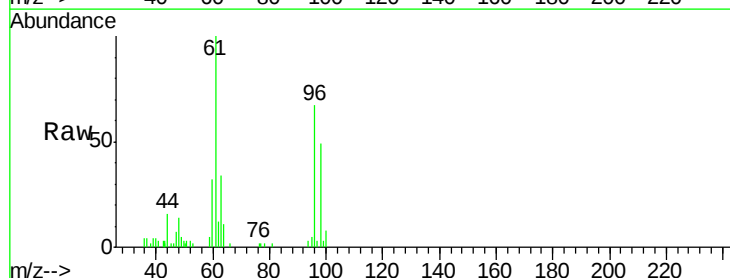
Tgt Ion: 96 Resp: 7447

Ion Ratio Lower Upper

96 100

61 148.3 102.3 189.9

98 72.1 44.7 82.9



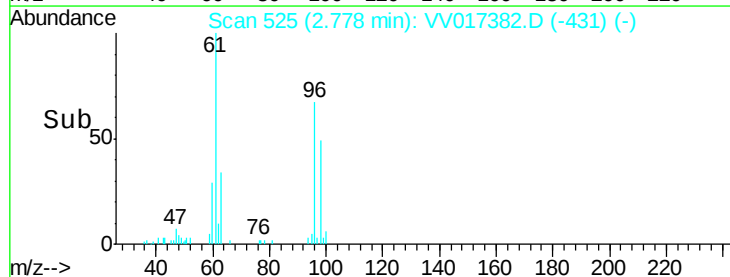
Abundance Ion 96.00 (95.70 to 96.70): VV0

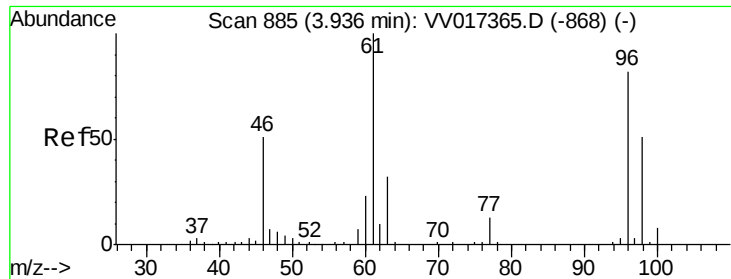
Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0

2.78

Time-->





#22  
 cis-1,2-Dichloroethene  
 Concen: 3.630 ug/L  
 RT: 3.94 min Scan# 887  
 Delta R.T. 0.01 min  
 Lab File: VV017382.D  
 Acq: 07 Jul 2020 17:01

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 H4308DL

Tot Ion: 96 Resp: 41867  
 Ion Ratio Lower Upper  
 96 100  
 61 127.8 91.0 169.0  
 68 0.0 0.0 0.0

