

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060420\  
 Data File : VV016500.D  
 Acq On : 04 Jun 2020 11:21  
 Operator : SY/MD  
 Sample : L2868-02  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Jun 05 01:53:58 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM060320WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jun 05 01:52:01 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 367478   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 346883   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 160881   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 97331    | 37.39    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 74.78%  |
| 7) Chloroethane-d5             | 1.57    | 69    | 81877    | 43.57    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 87.14%  |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 138304   | 29.98    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 59.96%# |
| 21) 2-Butanone-d5              | 3.90    | 46    | 186010   | 111.77   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 111.77% |
| 24) Chloroform-d               | 4.37    | 84    | 226148   | 46.30    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 92.60%  |
| 26) 1,2-Dichloroethane-d4      | 5.05    | 65    | 157024   | 48.01    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.02%  |
| 32) Benzene-d6                 | 5.07    | 84    | 447126   | 48.12    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.24%  |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 140988   | 48.70    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 97.40%  |
| 41) Toluene-d8                 | 7.34    | 98    | 408190   | 48.37    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 96.74%  |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 63275    | 44.84    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 89.68%  |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 135297   | 109.11   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 109.11% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 191352   | 48.73    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 97.46%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 159065   | 52.61    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 105.22% |

## Target Compounds

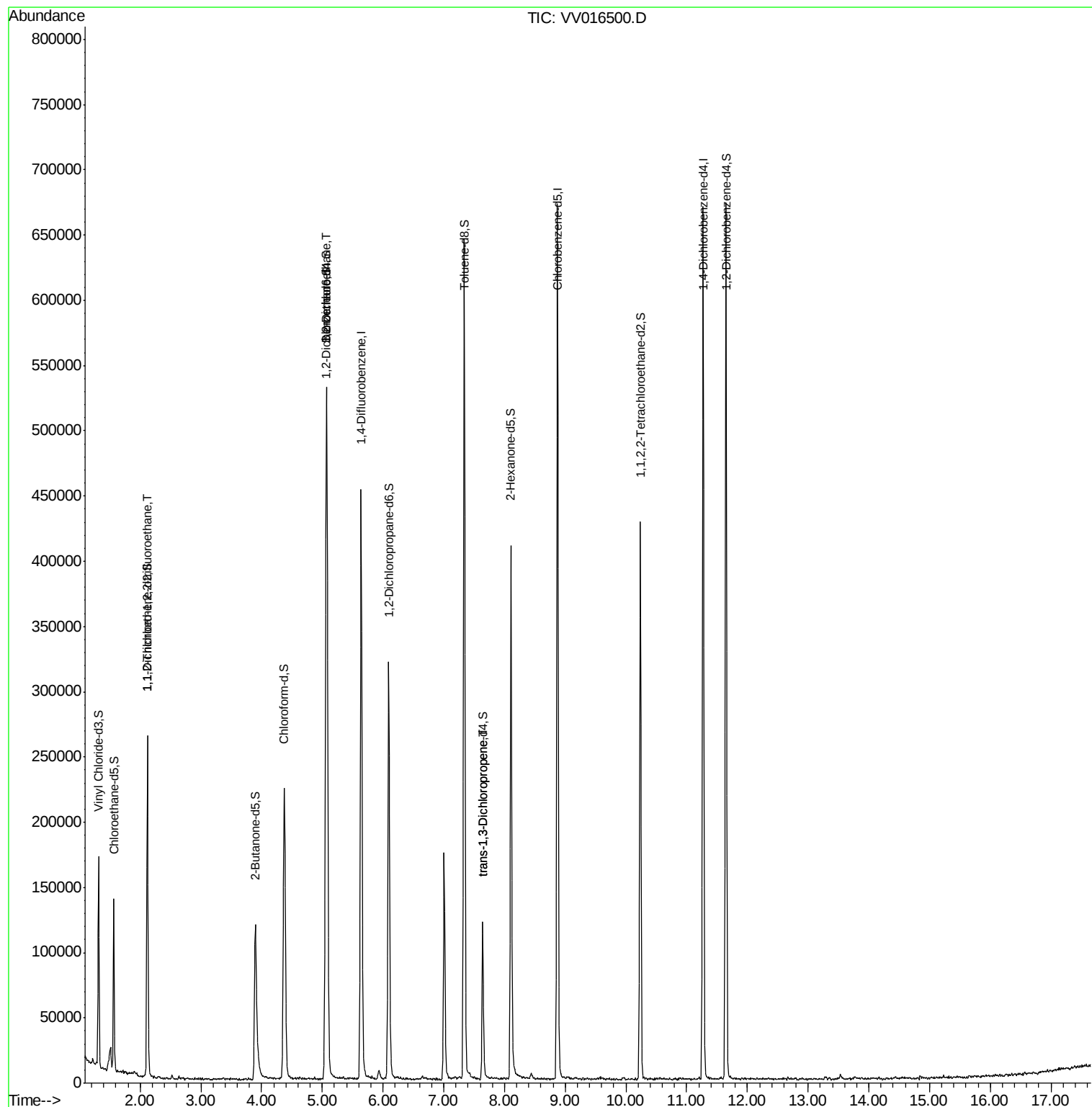
|                                |      |     |      |              | Ovalue |
|--------------------------------|------|-----|------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.12 | 101 | 1415 | 0.667 ug/L # | 26     |
| 27) 1,2-Dichloroethane         | 5.07 | 62  | 3068 | 0.757 ug/L   | 100    |
| 44) trans-1,3-Dichloropropene  | 7.64 | 75  | 3795 | 0.998 ug/L   | 96     |

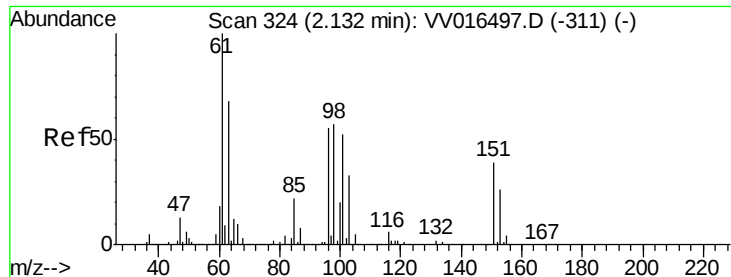
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jun 05 01:52:01 2020  
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.667 ug/L

RT: 2.12 min Scan# 319

Delta R.T. -0.02 min

Lab File: VV016500.D

Acq: 04 Jun 2020 11:21

Instrument :

MSVOA\_V

ClientSampleId :

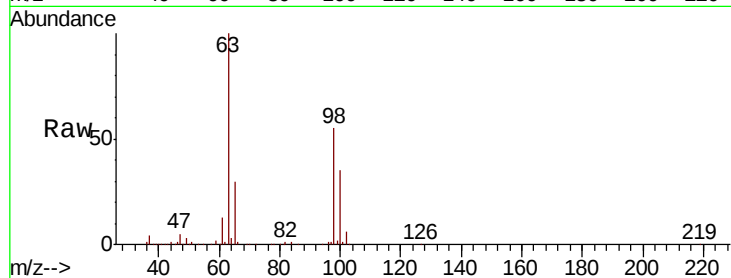
Tot Ion:101 Resp: 1415

Ion Ratio Lower Upper

101 100

85 3.5 35.6 53.4#

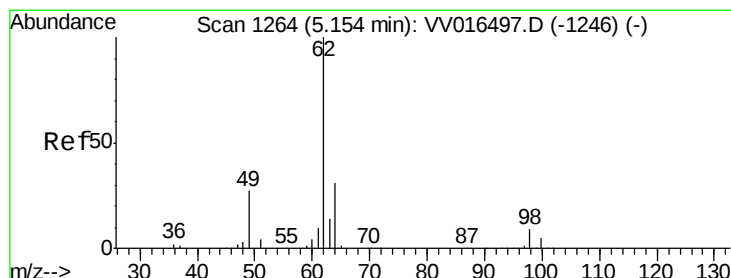
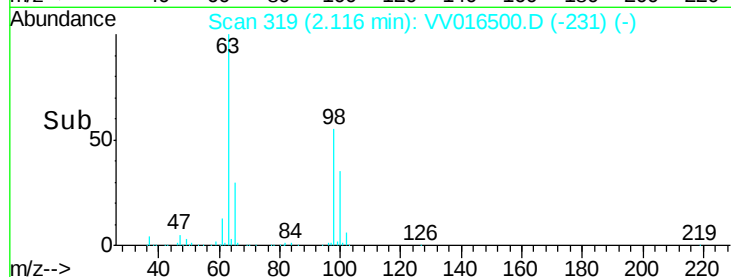
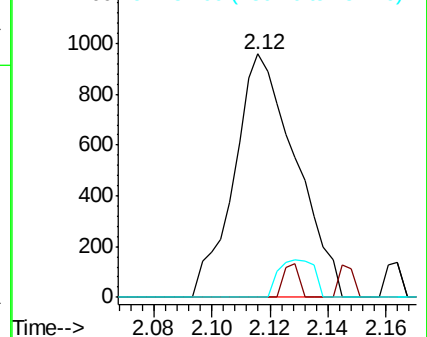
151 7.1 61.8 92.8#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#27

1,2-Dichloroethane

Concen: 0.757 ug/L

RT: 5.07 min Scan# 1238

Delta R.T. -0.08 min

Lab File: VV016500.D

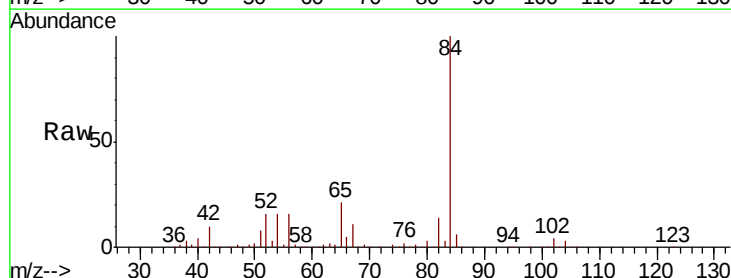
Acq: 04 Jun 2020 11:21

Tgt Ion: 62 Resp: 3068

Ion Ratio Lower Upper

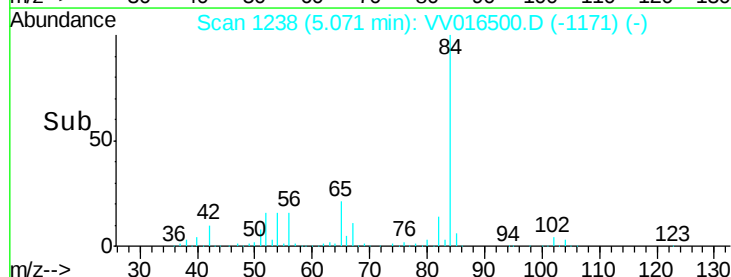
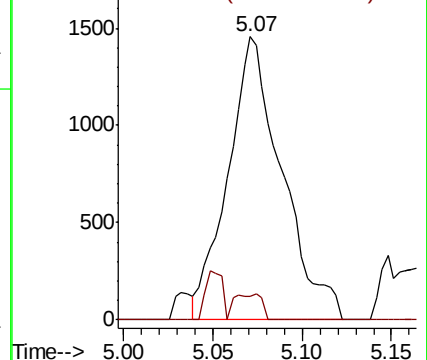
62 100

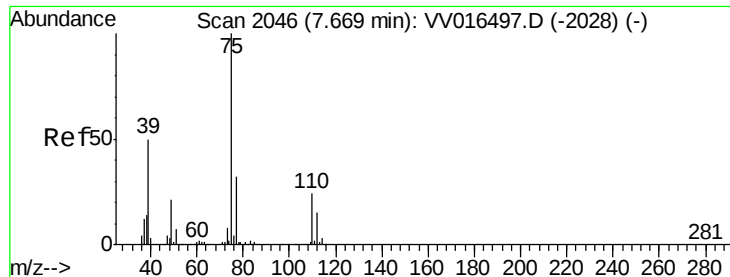
98 8.4 6.9 10.3



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#44

trans-1,3-Dichloropropene

Concen: 0.998 ug/L

RT: 7.64 min Scan# 2037

Delta R.T. -0.03 min

Lab File: VV016500.D

Acq: 04 Jun 2020 11:21

Instrument :

MSVOA\_V

ClientSampleId :

Tot Ion: 75 Resp: 3795

Ion Ratio Lower Upper

75 100

77 33.8 22.2 41.2

