

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV112118\  
 Data File : VV008696.D  
 Acq On : 21 Nov 2018 13:17  
 Operator : SY/MD  
 Sample : J6026-09DL 40X  
 Misc : 25.0 mL/MSVOA\_V/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 H0FL8DL

Quant Time: Nov 22 01:06:16 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR111718WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Nov 22 00:36:45 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 180913   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 166399   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 70405    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 43238    | 5.38     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 107.60% |
| 7) Chloroethane-d5             | 1.59   | 69    | 32444    | 4.90     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 98.00%  |
| 11) 1,1-Dichloroethene-d2      | 2.14   | 63    | 62322    | 3.82     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 76.40%  |
| 20) 2-Butanone-d5              | 3.96   | 46    | 120705   | 41.98    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 83.96%  |
| 24) Chloroform-d               | 4.41   | 84    | 97557    | 4.44     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 88.80%  |
| 26) 1,2-Dichloroethane-d4      | 5.09   | 65    | 51195    | 4.58     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 91.60%  |
| 32) Benzene-d6                 | 5.10   | 84    | 207099   | 4.77     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 95.40%  |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 62851    | 4.49     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 89.80%  |
| 41) Toluene-d8                 | 7.36   | 98    | 186316   | 4.57     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 91.40%  |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 18527    | 3.47     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 69.40%  |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 81884    | 33.86    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 67.72%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 40808    | 4.17     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 83.40%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 60657    | 4.77     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 95.40%  |

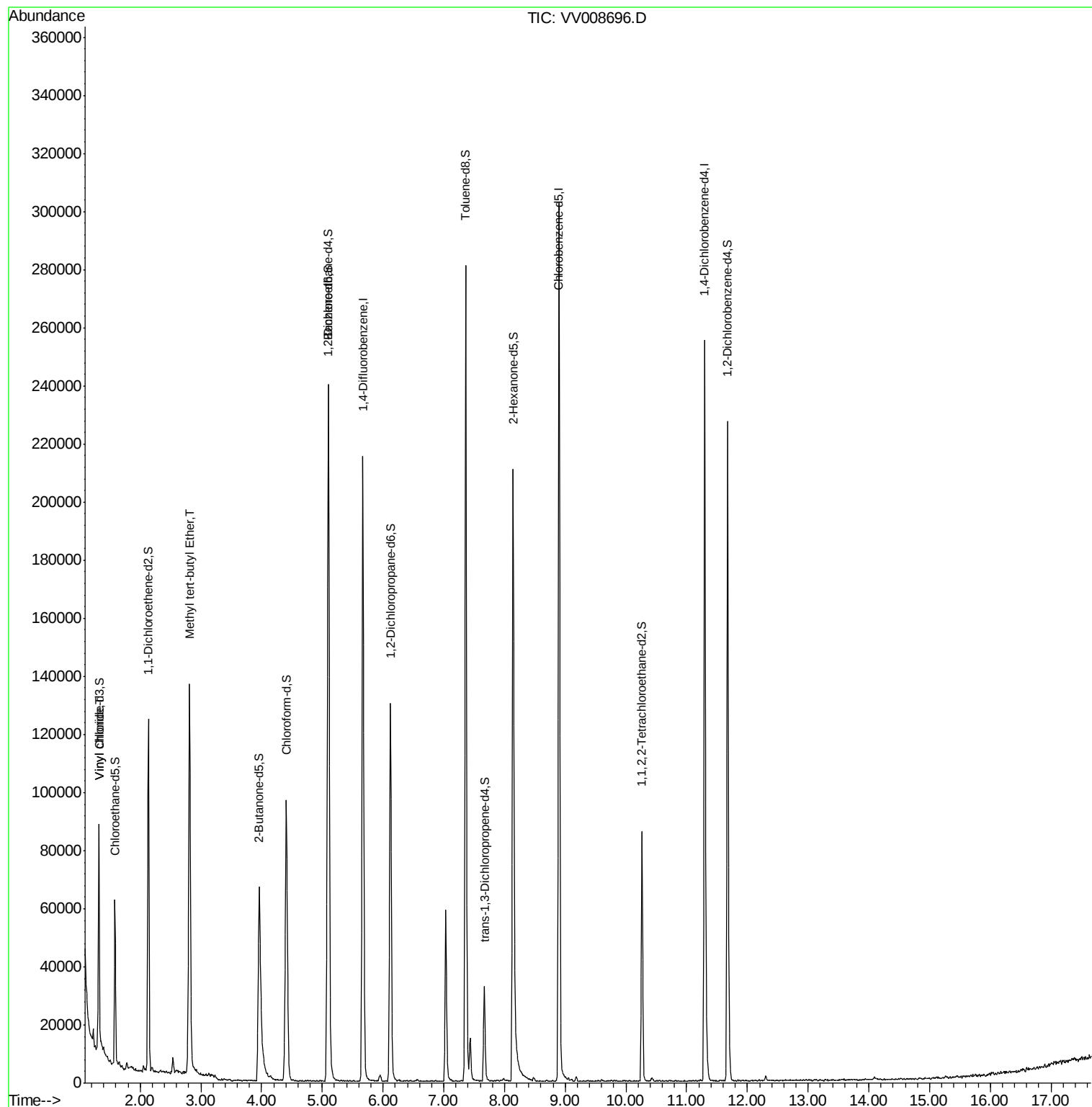
| Target Compounds            |      |    |        |              | Qvalue |
|-----------------------------|------|----|--------|--------------|--------|
| 5) Vinyl chloride           | 1.33 | 62 | 3831   | 0.335 ug/L # | 74     |
| 17) Methyl tert-butyl Ether | 2.81 | 73 | 136389 | 6.110 ug/L   | 98     |

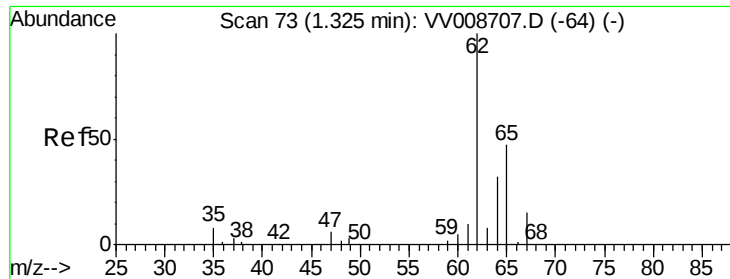
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.335 ug/L

RT: 1.33 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV008696.D

Acq: 21 Nov 2018 13:17

Instrument :

MSVOA\_V

ClientSampleId :

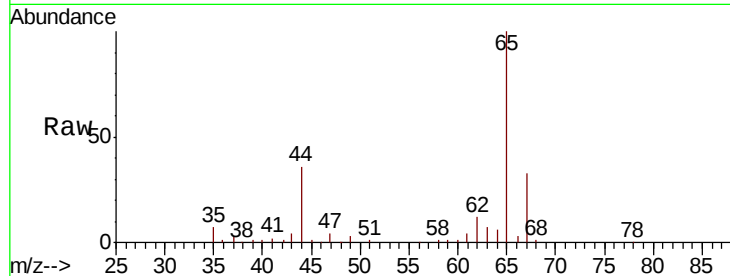
H0FL8DL

Tgt Ion: 62 Resp: 3831

Ion Ratio Lower Upper

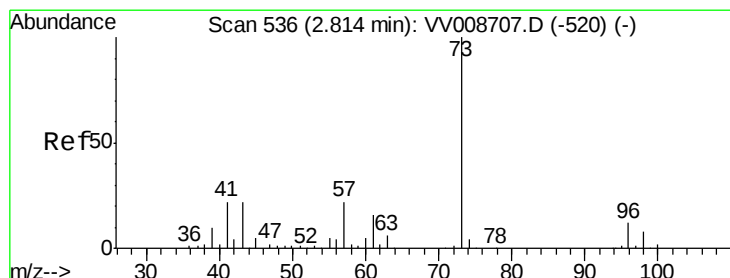
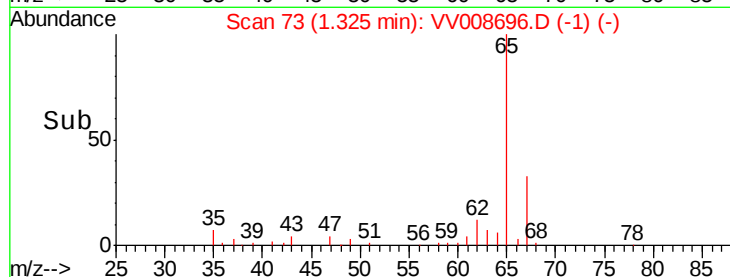
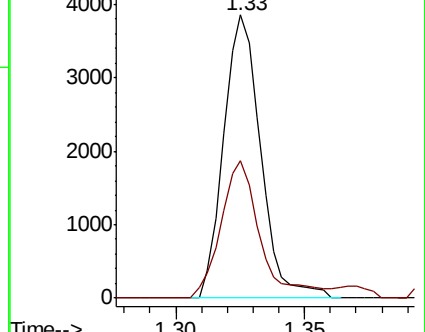
62 100

64 48.4 23.4 43.4#



Abundance Ion 62.00 (61.70 to 62.70): VV008707.D (-64) (-)

Ion 64.10 (63.80 to 64.80): VV008707.D (-64) (-)



#17

Methyl tert-butyl Ether

Concen: 6.110 ug/L

RT: 2.81 min Scan# 536

Delta R.T. -0.00 min

Lab File: VV008696.D

Acq: 21 Nov 2018 13:17

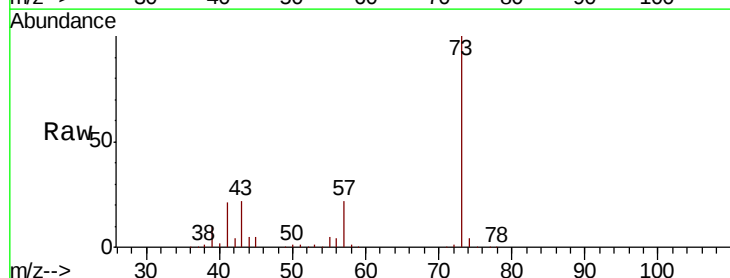
Tgt Ion: 73 Resp: 136389

Ion Ratio Lower Upper

73 100

43 21.1 18.1 27.1

57 21.9 17.9 26.9



Abundance Ion 73.10 (72.80 to 73.80): VV008707.D (-520) (-)

Ion 43.05 (42.75 to 43.75): VV008707.D (-520) (-)

Ion 57.10 (56.80 to 57.80): VV008707.D (-520) (-)

