

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\U112118\  
 Data File : VU028320.D  
 Acq On : 21 Nov 2018 15:26  
 Operator : MD/SY  
 Sample : J6026-21DL 4X  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 H0FP0DL

Quant Time: Nov 21 23:50:28 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR111718WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Nov 21 22:33:20 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 164417   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 157979   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 69957    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 63872    | 5.16     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 103.20% |
| 7) Chloroethane-d5             | 1.68   | 69    | 48901    | 4.58     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 91.60%  |
| 11) 1,1-Dichloroethene-d2      | 2.27   | 63    | 90876    | 3.69     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 73.80%  |
| 20) 2-Butanone-d5              | 4.19   | 46    | 197158   | 47.62    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 95.24%  |
| 24) Chloroform-d               | 4.65   | 84    | 107155   | 4.64     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 92.80%  |
| 26) 1,2-Dichloroethane-d4      | 5.31   | 65    | 61260    | 4.80     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 96.00%  |
| 32) Benzene-d6                 | 5.34   | 84    | 212799   | 4.68     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 93.60%  |
| 36) 1,2-Dichloropropane-d6     | 6.33   | 67    | 77975    | 4.72     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 94.40%  |
| 41) Toluene-d8                 | 7.57   | 98    | 184255   | 4.53     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 90.60%  |
| 43) trans-1,3-Dichloropropene- | 7.85   | 79    | 28706    | 5.44     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 108.80% |
| 46) 2-Hexanone-d5              | 8.31   | 63    | 139104   | 43.97    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 87.94%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43  | 84    | 57176    | 4.79     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 95.80%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86  | 152   | 62589    | 4.81     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 96.20%  |

## Target Compounds

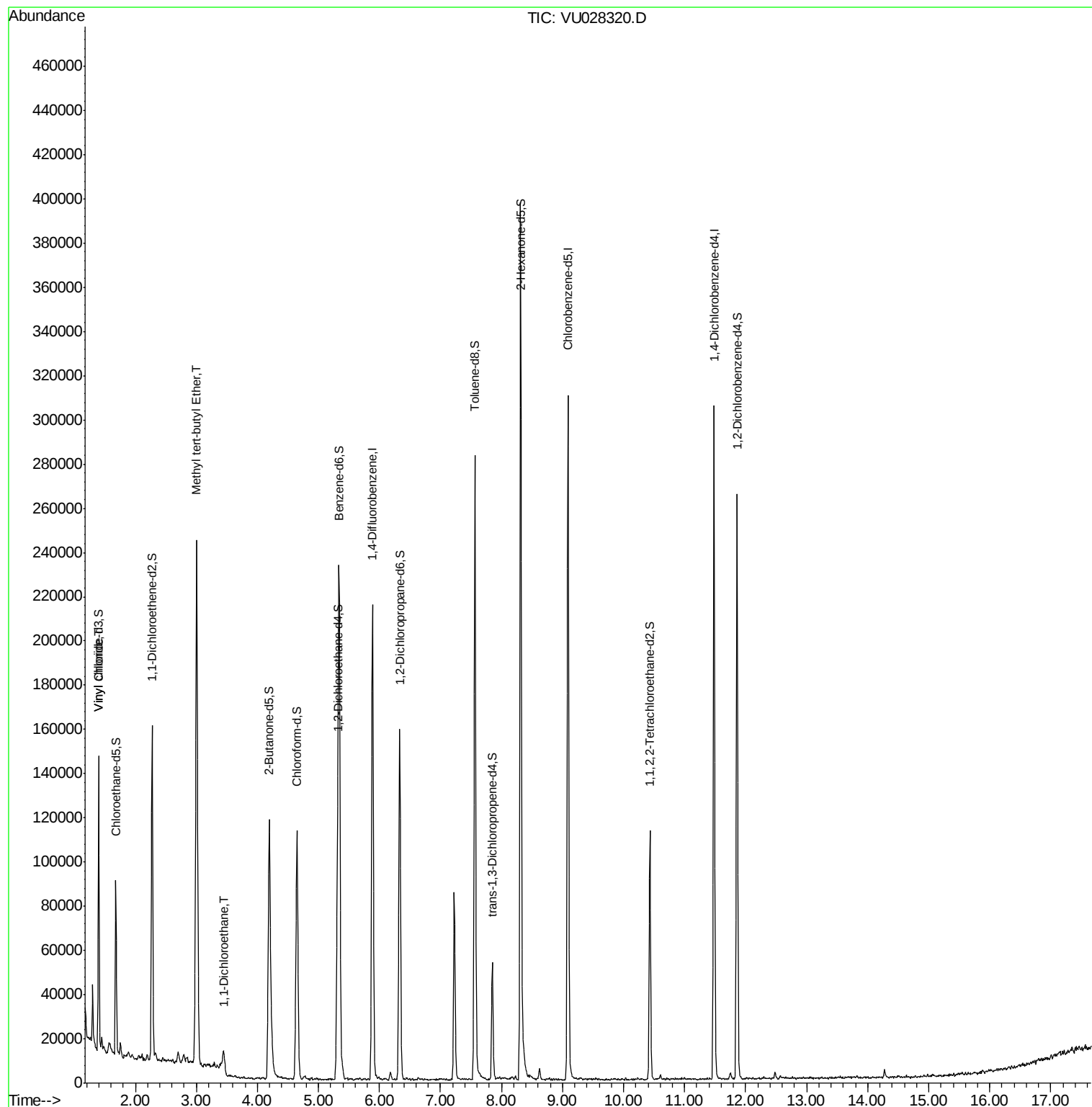
|                             |      |    |        |            | Qvalue |
|-----------------------------|------|----|--------|------------|--------|
| 5) Vinyl chloride           | 1.40 | 62 | 6650   | 0.398 ug/L | # 73   |
| 17) Methyl tert-butyl Ether | 3.00 | 73 | 230949 | 7.595 ug/L | 98     |
| 19) 1,1-Dichloroethane      | 3.44 | 63 | 8220   | 0.329 ug/L | 94     |

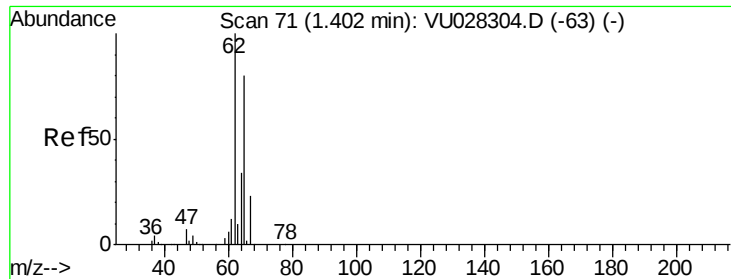
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.398 ug/L

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU028320.D

Acq: 21 Nov 2018 15:26

Instrument :

MSVOA\_U

ClientSampleId :

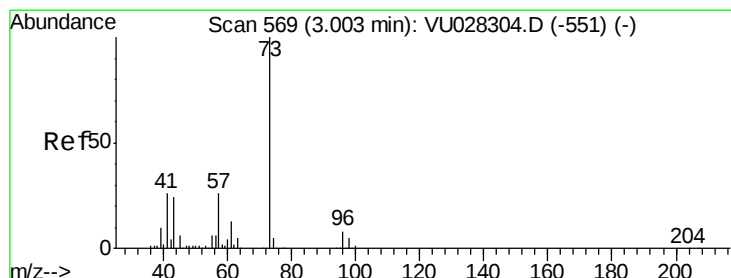
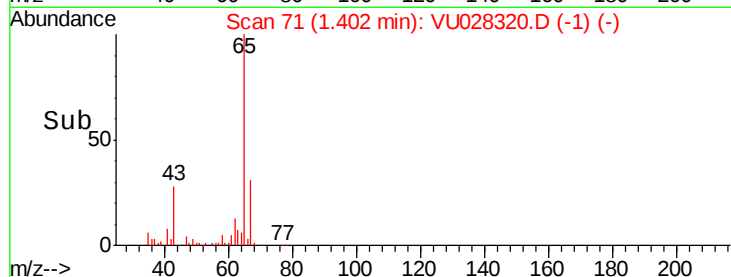
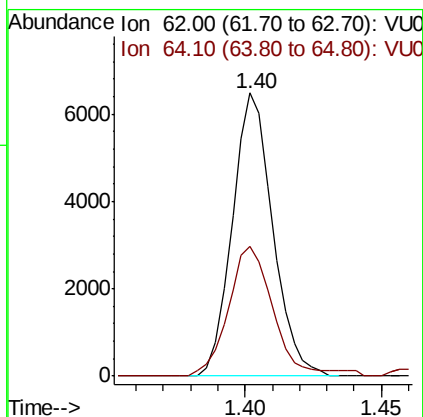
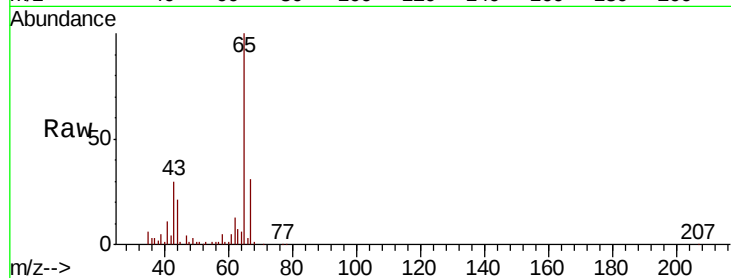
H0FP0DL

Tgt Ion: 62 Resp: 6650

Ion Ratio Lower Upper

62 100

64 46.0 21.7 40.3#



#17

Methyl tert-butyl Ether

Concen: 7.595 ug/L

RT: 3.00 min Scan# 569

Delta R.T. 0.00 min

Lab File: VU028320.D

Acq: 21 Nov 2018 15:26

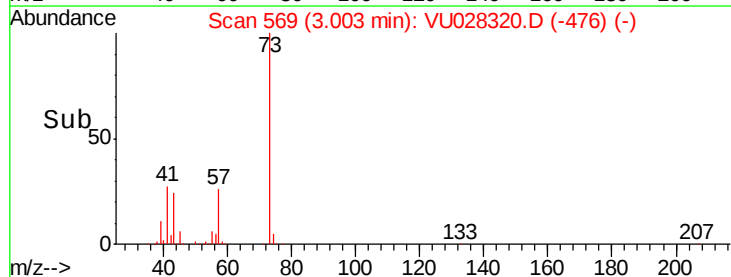
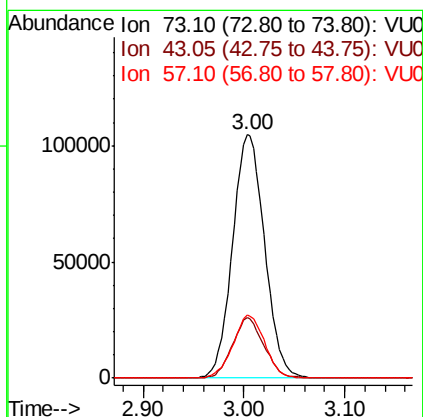
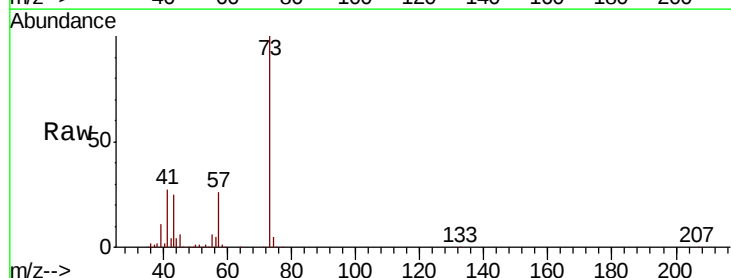
Tgt Ion: 73 Resp: 230949

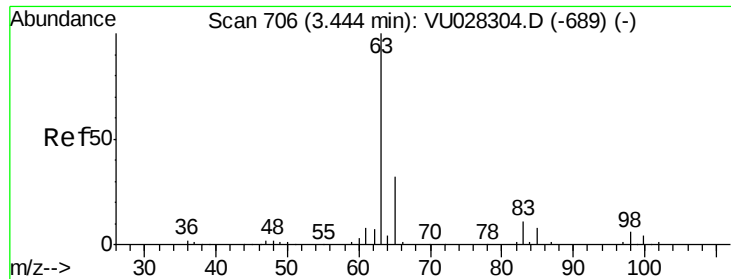
Ion Ratio Lower Upper

73 100

43 24.0 18.8 28.2

57 25.6 19.2 28.8





#19

1,1-Dichloroethane

Concen: 0.329 ug/L

RT: 3.44 min Scan# 706

Delta R.T. 0.00 min

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H0FP0DL

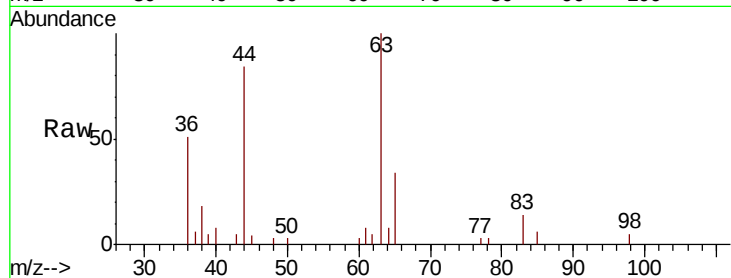
Tgt Ion: 63 Resp: 8220

Ion Ratio Lower Upper

63 100

65 34.1 21.2 39.4

83 13.6 8.8 16.4



Abundance

Ion 63.10 (62.80 to 63.80): VU0

Ion 65.10 (64.80 to 65.80): VU0

Ion 83.05 (82.75 to 83.75): VU0

