

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U091020\  
 Data File : VU040087.D  
 Acq On : 10 Sep 2020 17:38  
 Operator : SY/MD  
 Sample : L3961-04  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 F4Y28

Quant Time: Sep 11 04:57:53 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR083120WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Sep 11 01:49:07 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.26  | 114  | 91213    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 90227    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 39292    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.60   | 65    | 30418    | 6.11     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 122.20% |
| 7) Chloroethane-d5             | 1.92   | 69    | 24635    | 5.94     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 118.80% |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 48855    | 3.82     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 76.40%  |
| 20) 2-Butanone-d5              | 4.65   | 46    | 100800   | 50.60    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 101.20% |
| 24) Chloroform-d               | 5.08   | 84    | 58111    | 4.99     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 99.80%  |
| 26) 1,2-Dichloroethane-d4      | 5.72   | 65    | 36317    | 5.06     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 101.20% |
| 32) Benzene-d6                 | 5.74   | 84    | 112337   | 5.33     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 106.60% |
| 36) 1,2-Dichloropropane-d6     | 6.70   | 67    | 36083    | 5.20     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 104.00% |
| 41) Toluene-d8                 | 7.91   | 98    | 93844    | 4.93     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 98.60%  |
| 43) trans-1,3-Dichloropropene- | 8.19   | 79    | 14523    | 4.55     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 91.00%  |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 72660    | 48.09    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 96.18%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75  | 84    | 30738    | 5.12     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 102.40% |
| 64) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 36146    | 5.68     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 113.60% |

## Target Compounds

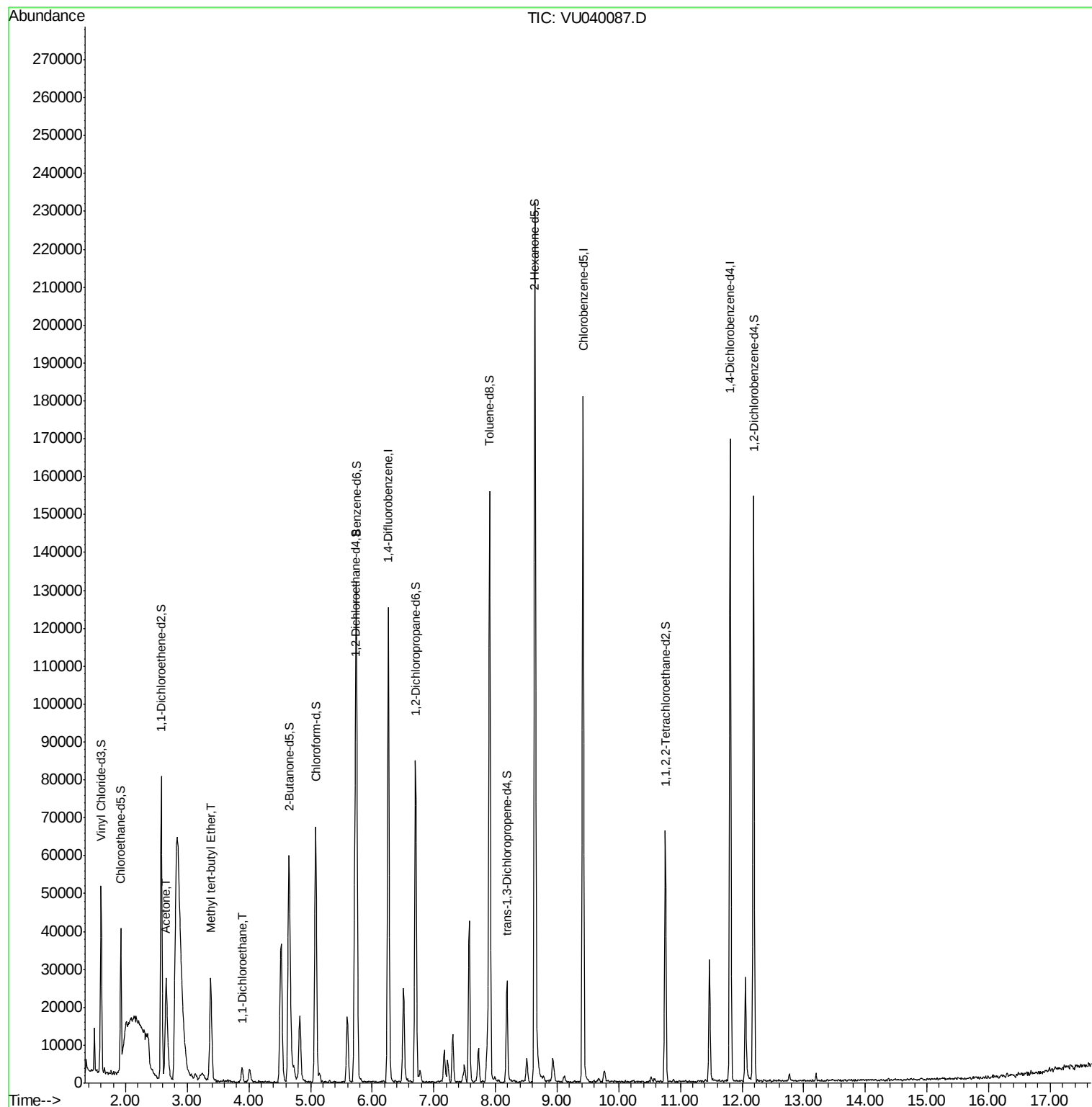
|                             |      |    |       |             | Ovalue |
|-----------------------------|------|----|-------|-------------|--------|
| 13) Acetone                 | 2.66 | 43 | 47400 | 25.705 ug/L | 99     |
| 17) Methyl tert-butyl Ether | 3.38 | 73 | 25943 | 1.219 ug/L  | 95     |
| 19) 1,1-Dichloroethane      | 3.89 | 63 | 4417  | 0.283 ug/L  | 87     |

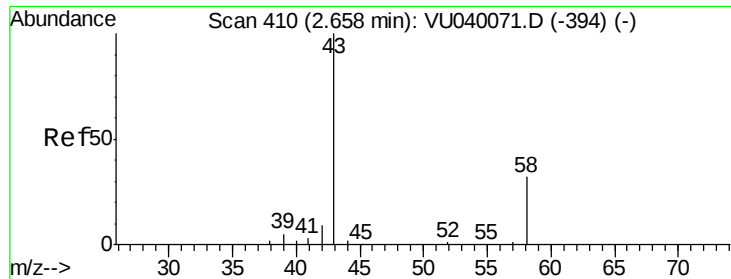
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 25.705 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU040087.D

Acq: 10 Sep 2020 17:38

Instrument :

MSVOA\_U

ClientSampleId :

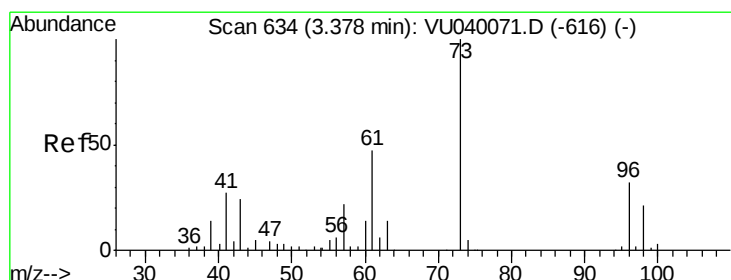
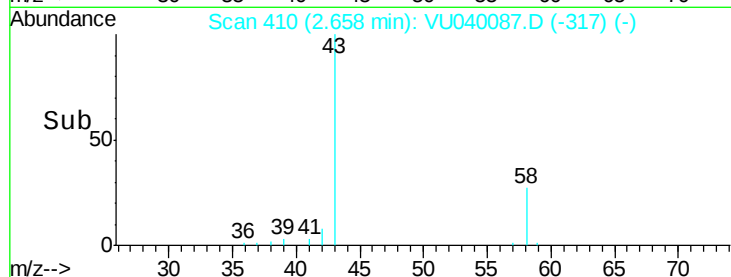
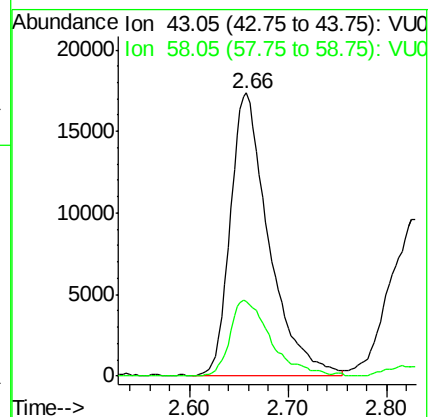
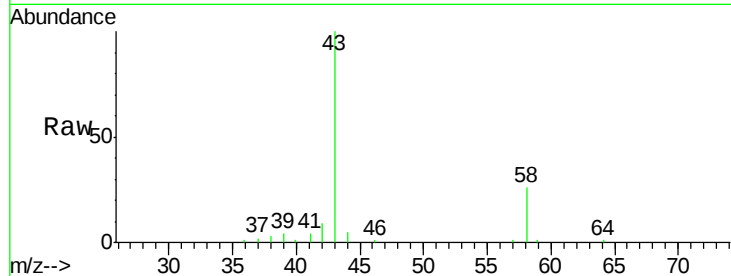
F4Y28

Tot Ion: 43 Resp: 47400

Ion Ratio Lower Upper

43 100

58 28.3 0.0 55.4



#17

Methyl tert-butyl Ether

Concen: 1.219 ug/L

RT: 3.38 min Scan# 634

Delta R.T. -0.00 min

Lab File: VU040087.D

Acq: 10 Sep 2020 17:38

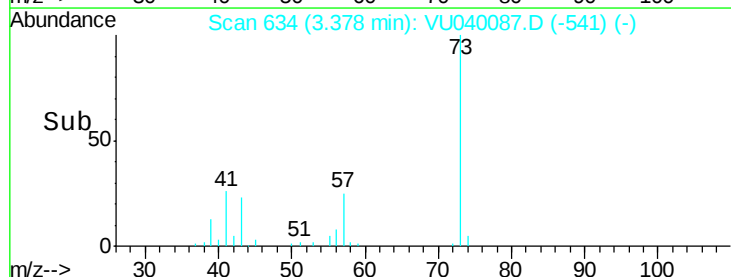
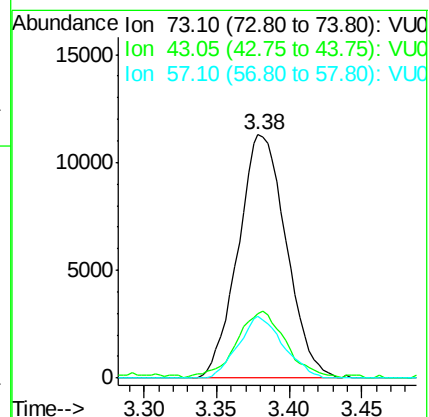
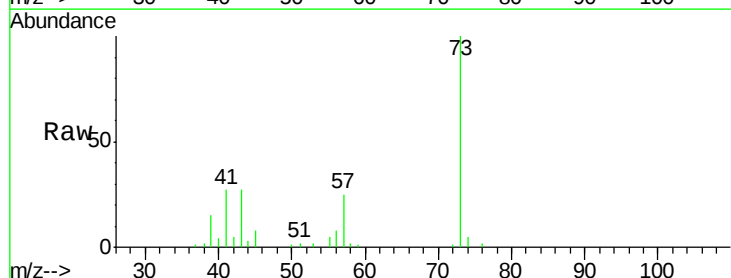
Tgt Ion: 73 Resp: 25943

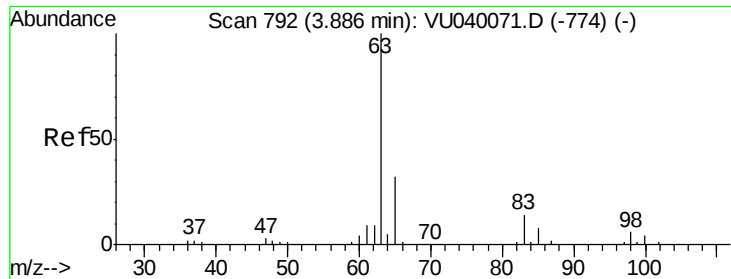
Ion Ratio Lower Upper

73 100

43 28.4 19.1 28.7

57 23.6 18.3 27.5





#19

1,1-Dichloroethane

Concen: 0.283 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

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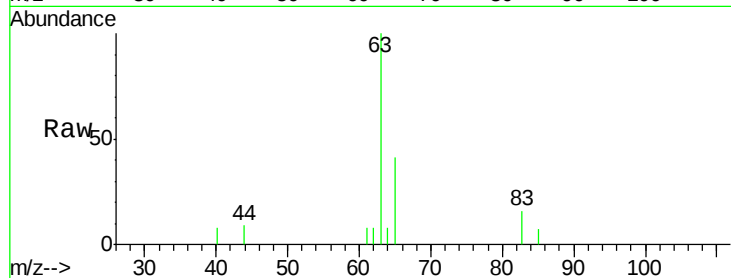
Tot Ion: 63 Resp: 4417

Ion Ratio Lower Upper

63 100

65 40.8 22.2 41.2

83 15.5 9.4 17.6



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

