

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092820\  
 Data File : VU040329.D  
 Acq On : 28 Sep 2020 14:03  
 Operator : SY/MD  
 Sample : L4139-08  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BG4A1

Quant Time: Sep 29 07:39:18 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR083120WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Sep 29 07:18:40 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.26  | 114  | 129047   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 128573   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 59703    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.60   | 65    | 34481    | 4.89     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 97.80%   |
| 7) Chloroethane-d5             | 1.92   | 69    | 33402    | 5.69     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 113.80%  |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 57090    | 3.16     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 63.20%   |
| 20) 2-Butanone-d5              | 4.65   | 46    | 186347   | 66.12    | ug/L | -0.01    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 132.24%# |
| 24) Chloroform-d               | 5.08   | 84    | 79771    | 4.85     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 97.00%   |
| 26) 1,2-Dichloroethane-d4      | 5.72   | 65    | 52169    | 5.13     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 102.60%  |
| 32) Benzene-d6                 | 5.74   | 84    | 150772   | 5.02     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 100.40%  |
| 36) 1,2-Dichloropropane-d6     | 6.70   | 67    | 52882    | 5.34     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 106.80%  |
| 41) Toluene-d8                 | 7.90   | 98    | 121173   | 4.47     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 89.40%   |
| 43) trans-1,3-Dichloropropene- | 8.19   | 79    | 20583    | 4.53     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 90.60%   |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 135941   | 63.14    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 126.28%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75  | 84    | 47477    | 5.55     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 111.00%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 50840    | 5.26     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 105.20%  |

## Target Compounds

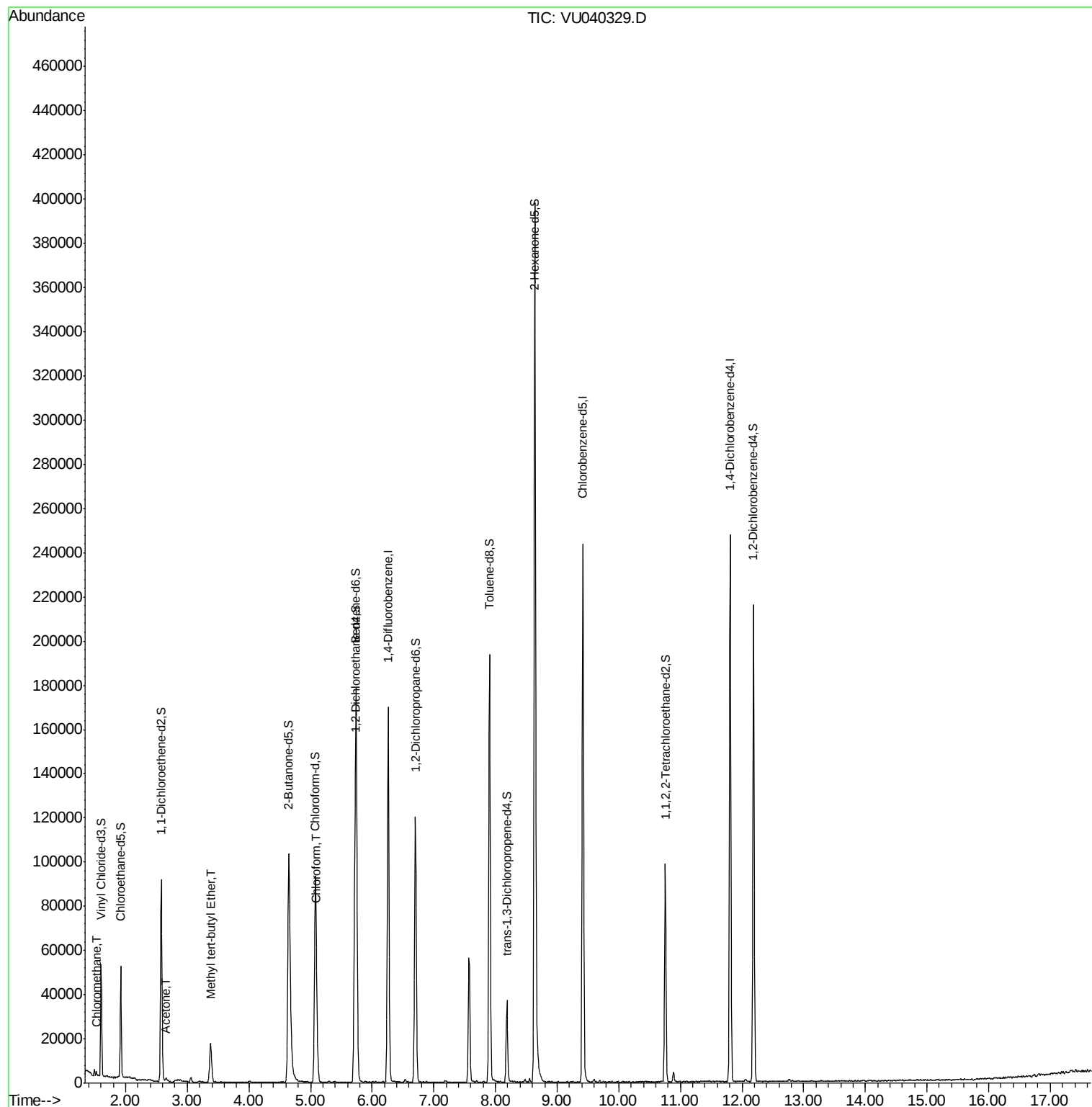
|                             |      |    |       |              | Ovalue |
|-----------------------------|------|----|-------|--------------|--------|
| 3) Chloromethane            | 1.53 | 50 | 1301  | 0.106 ug/L # | 79     |
| 13) Acetone                 | 2.66 | 43 | 2717  | 1.041 ug/L   | 84     |
| 17) Methyl tert-butyl Ether | 3.38 | 73 | 18037 | 0.599 ug/L   | 99     |
| 25) Chloroform              | 5.11 | 83 | 13744 | 0.607 ug/L   | 99     |

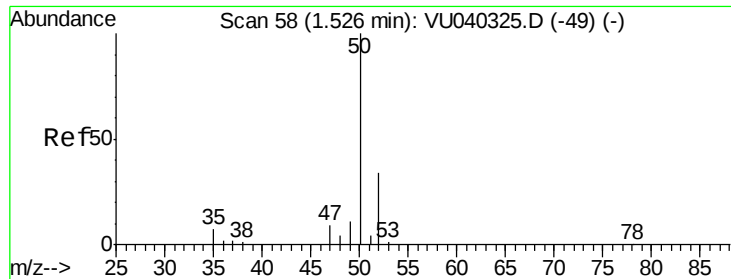
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.106 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040329.D

Acq: 28 Sep 2020 14:03

Instrument :

MSVOA\_U

ClientSampleId :

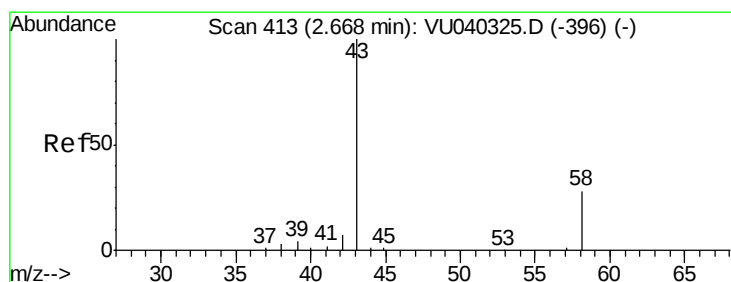
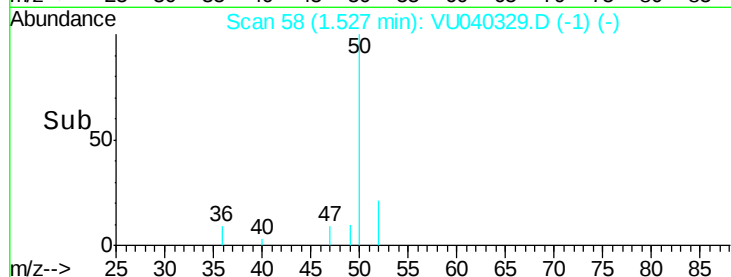
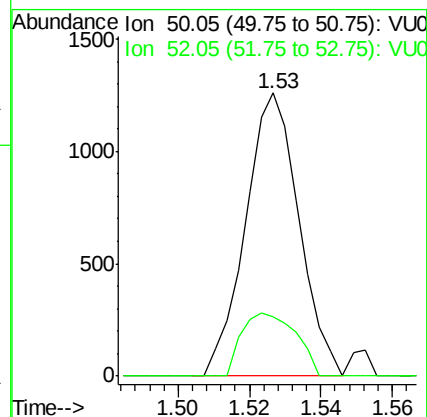
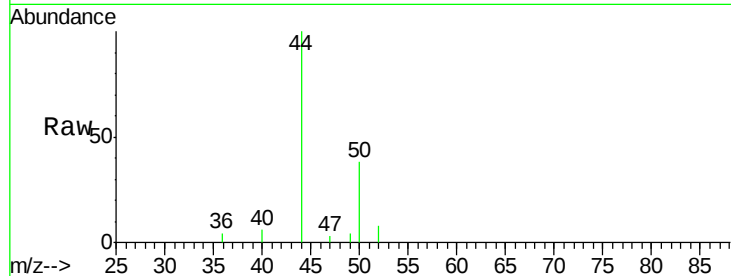
BG4A1

Tot Ion: 50 Resp: 1301

Ion Ratio Lower Upper

50 100

52 21.0 22.8 42.4#



#13

Acetone

Concen: 1.041 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.01 min

Lab File: VU040329.D

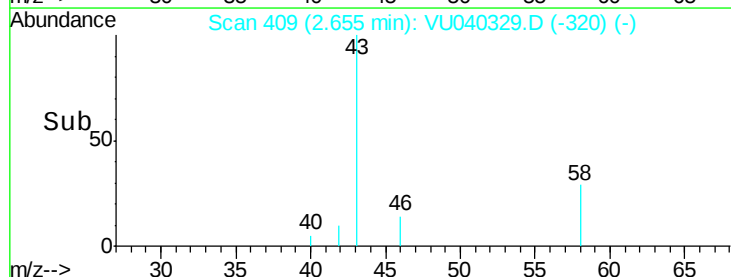
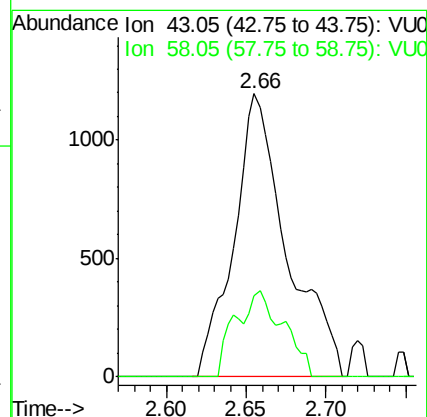
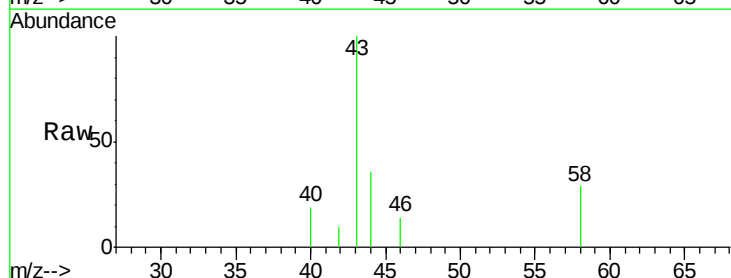
Acq: 28 Sep 2020 14:03

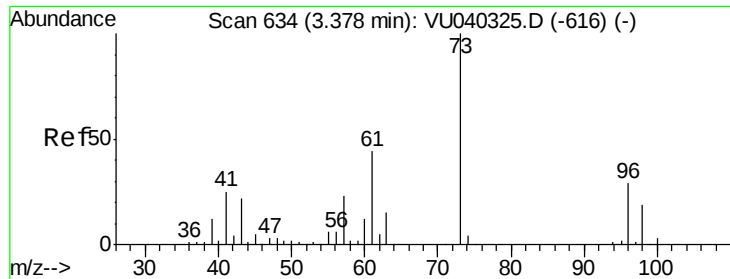
Tgt Ion: 43 Resp: 2717

Ion Ratio Lower Upper

43 100

58 19.4 0.0 55.4

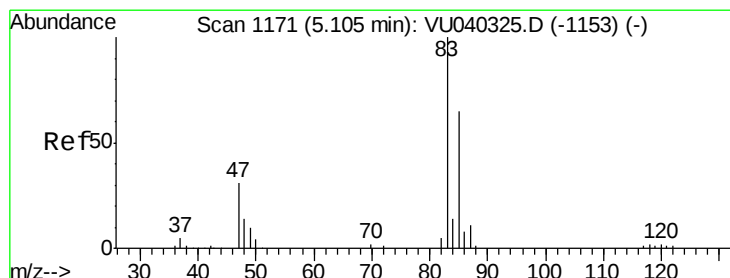
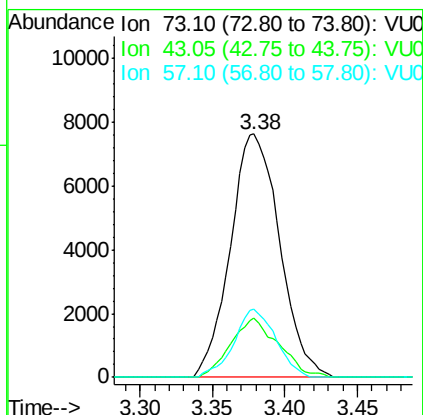
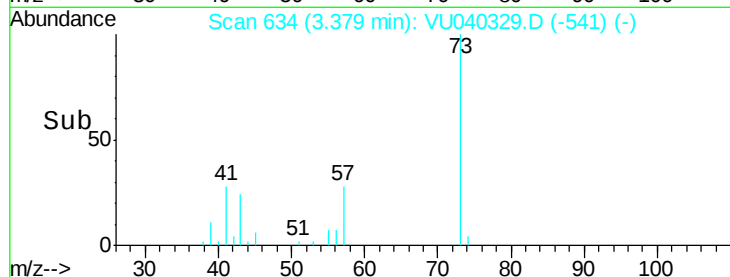
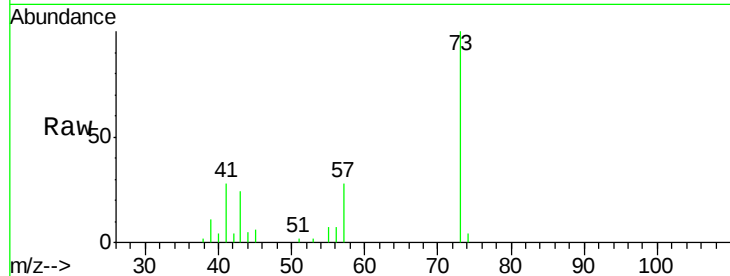




#17  
Methvl tert-butvl Ether  
Concen: 0.599 ug/L  
RT: 3.38 min Scan# 634  
Delta R.T. 0.00 min  
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Tot Ion: 73 Resp: 18037  
Ion Ratio Lower Upper  
73 100  
43 23.8 19.1 28.7  
57 23.8 18.3 27.5



#25  
Chloroform  
Concen: 0.607 ug/L  
RT: 5.11 min Scan# 1171  
Delta R.T. 0.00 min  
Lab File: VU040329.D  
Acq: 28 Sep 2020 14:03

Tgt Ion: 83 Resp: 13744  
Ion Ratio Lower Upper  
83 100  
85 64.2 45.3 84.1

