

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091420\  
 Data File : VU040114.D  
 Acq On : 14 Sep 2020 12:30  
 Operator : SY/MD  
 Sample : L3945-19  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFST1

Manual Integrations  
 APPROVED

MMDadoda  
 9/15/2020 8:30:13 AM

Quant Time: Sep 15 02:39:04 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR083120WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Sep 15 01:48:35 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.26  | 114  | 115925   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 114818   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 52059    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 33326    | 5.27     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 105.40% |
| 7) Chloroethane-d5             | 1.92   | 69    | 27432    | 5.20     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 104.00% |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 53601    | 3.30     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 66.00%  |
| 20) 2-Butanone-d5              | 4.66   | 46    | 112788   | 44.55    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 89.10%  |
| 24) Chloroform-d               | 5.08   | 84    | 64719    | 4.38     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 87.60%  |
| 26) 1,2-Dichloroethane-d4      | 5.72   | 65    | 39673    | 4.35     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 87.00%  |
| 32) Benzene-d6                 | 5.74   | 84    | 121891   | 4.55     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 91.00%  |
| 36) 1,2-Dichloropropane-d6     | 6.70   | 67    | 38529    | 4.36     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 87.20%  |
| 41) Toluene-d8                 | 7.91   | 98    | 101287   | 4.18     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 83.60%  |
| 43) trans-1,3-Dichloropropene- | 8.19   | 79    | 15868    | 3.91     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 78.20%  |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 81436    | 42.36    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 84.72%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.76  | 84    | 34018    | 4.45     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 89.00%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 38881    | 4.62     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 92.40%  |

| Target Compounds |      |    |        |            | Ovalue |
|------------------|------|----|--------|------------|--------|
| 3) Chloromethane | 1.53 | 50 | 7492   | 0.680 ug/L | 98     |
| 13) Acetone      | 2.66 | 43 | 12902m | 5.505 ug/L |        |
| 25) Chloroform   | 5.11 | 83 | 7236   | 0.356 ug/L | 90     |

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

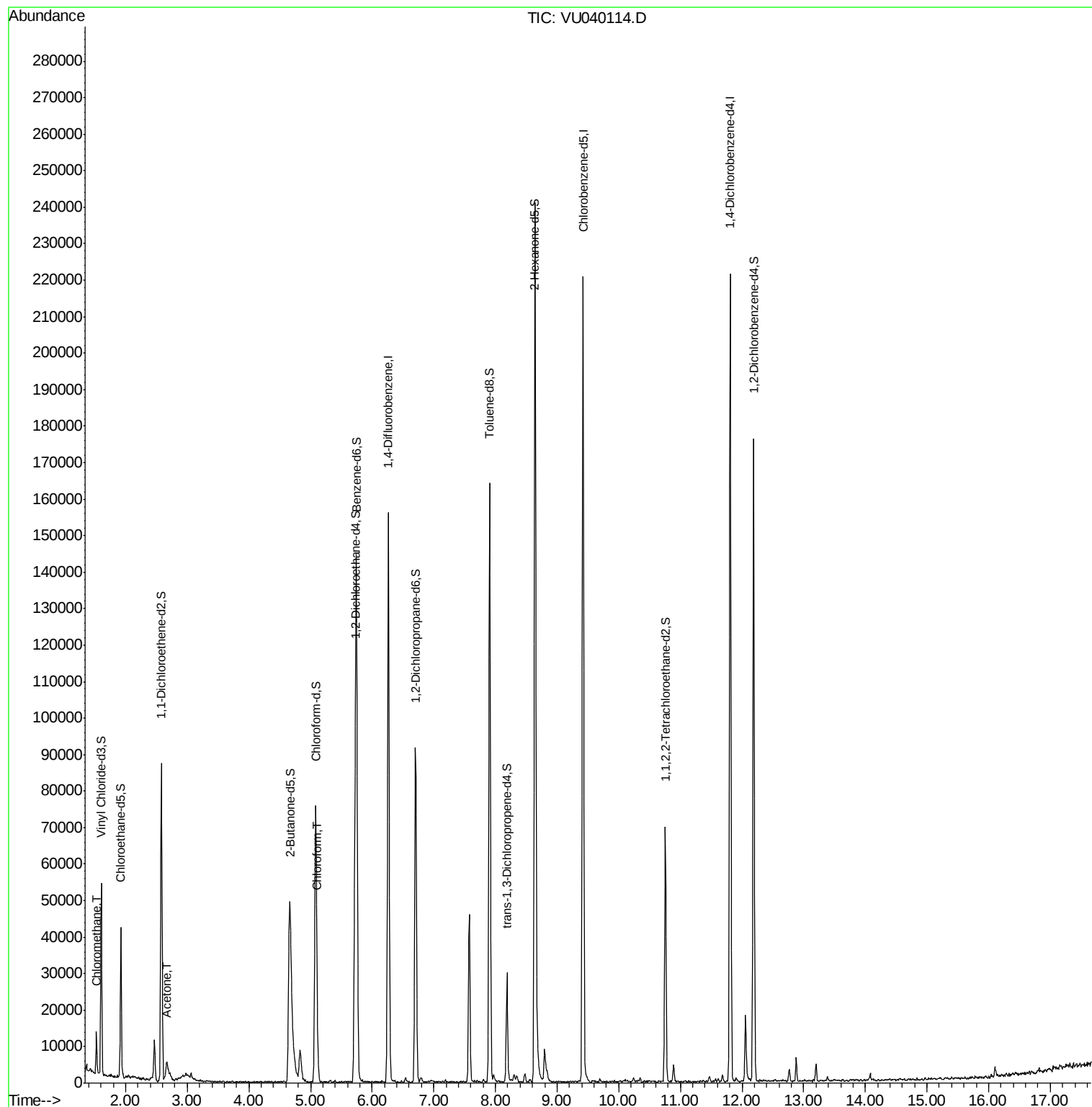
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU091420\  
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ALS Vial : 7 Sample Multiplier: 1

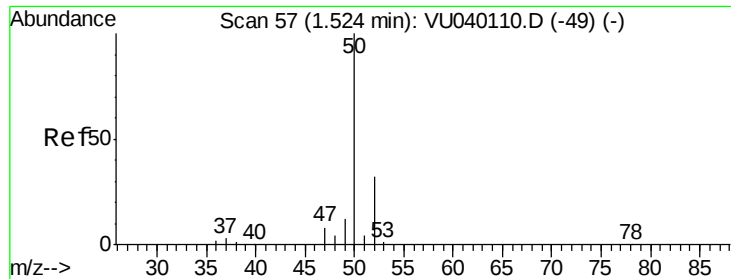
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Quant Title : TRACE VOA SOM01.0  
QLast Update : Tue Sep 15 01:48:35 2020  
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.680 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040114.D

Acq: 14 Sep 2020 12:30

Instrument :

MSVOA\_U

ClientSampleId :

BFST1

Tot Ion: 50 Resp: 7492

Ion Ratio Lower Upper

50 100

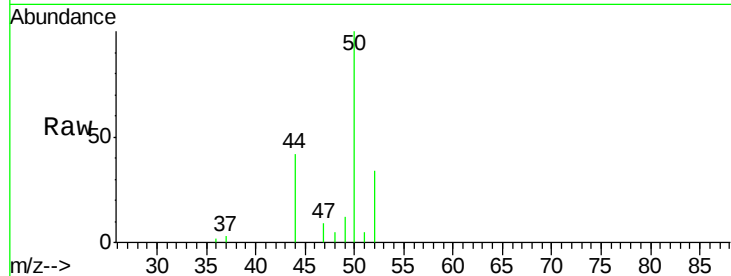
52 33.6 22.8 42.4

Manual Integrations

APPROVED

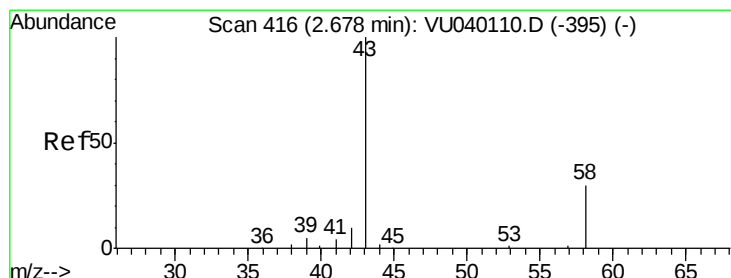
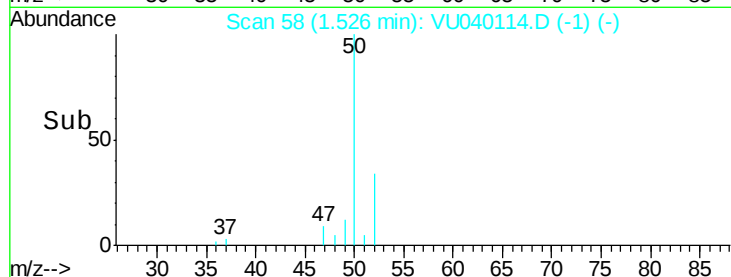
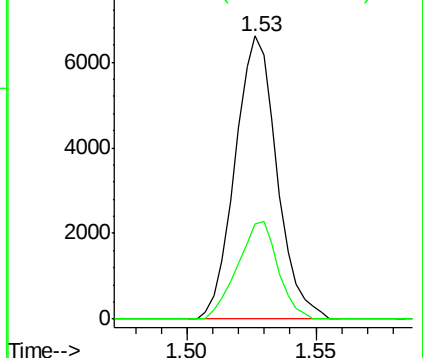
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Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#13

Acetone

Concen: 5.505 ug/L m

RT: 2.66 min Scan# 412

Delta R.T. -0.01 min

Lab File: VU040114.D

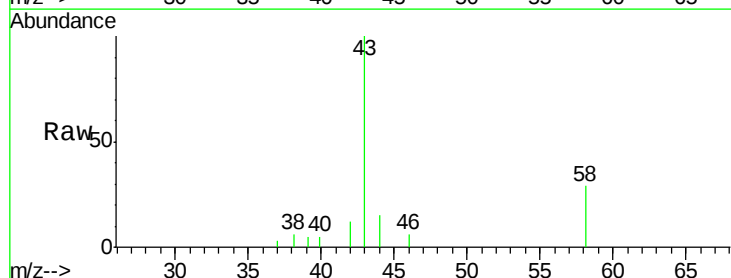
Acq: 14 Sep 2020 12:30

Tgt Ion: 43 Resp: 12902

Ion Ratio Lower Upper

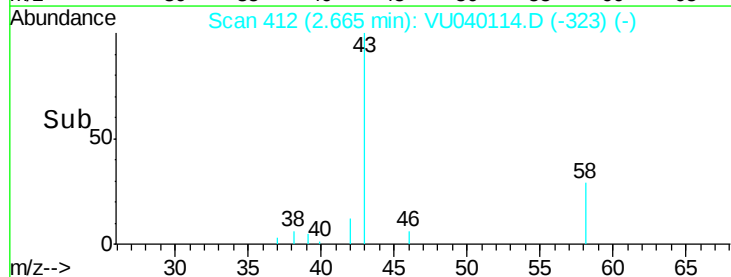
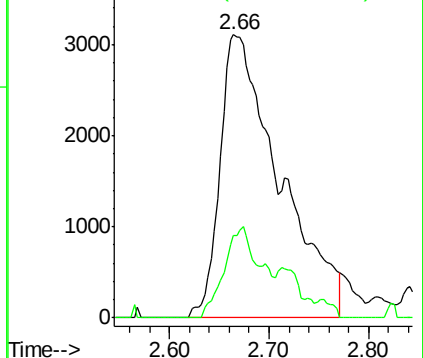
43 100

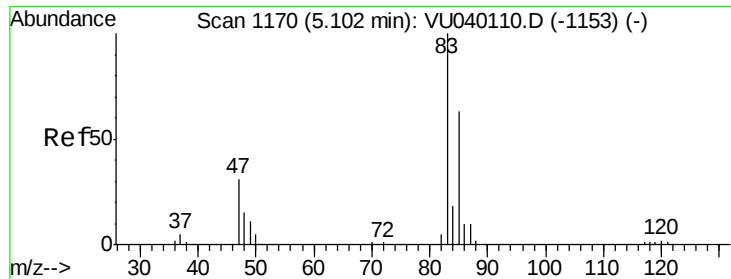
58 19.8 0.0 55.4



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0





#25  
 Chloroform  
 Concen: 0.356 ug/L  
 RT: 5.11 min Scan# 1173  
 Delta R.T. 0.01 min  
 Lab File: VU040114.D  
 Acq: 14 Sep 2020 12:30

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| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 72.8  | 45.3  | 84.1  |

Manual Integrations  
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