

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040719\  
 Data File : VU030829.D  
 Acq On : 07 Apr 2019 02:38  
 Operator : JC/SP  
 Sample : K2260-04DL 5X  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 ETJ56DL

Manual Integrations  
 APPROVED

MMDadoda  
 4/10/2019 9:29:21 AM

Quant Time: Apr 09 01:21:53 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM040519WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon Apr 08 07:03:53 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 462599   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 460128   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 186669   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 216349   | 52.39    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 104.78% |
| 7) Chloroethane-d5             | 1.68    | 69    | 166982   | 53.28    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 106.56% |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 296138   | 39.65    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 79.30%  |
| 21) 2-Butanone-d5              | 4.17    | 46    | 341289   | 104.28   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 104.28% |
| 24) Chloroform-d               | 4.64    | 84    | 317175   | 50.28    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 100.56% |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 227200   | 52.78    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 105.56% |
| 32) Benzene-d6                 | 5.33    | 84    | 673037   | 50.11    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 100.22% |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 231498   | 50.29    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 100.58% |
| 41) Toluene-d8                 | 7.56    | 98    | 563534   | 47.33    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 94.66%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 96949    | 46.19    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 92.38%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 199582   | 94.86    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 94.86%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 305974   | 49.28    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 98.56%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 189534   | 51.63    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 103.26% |

## Target Compounds

|                              |      |    |        |             | Ovalue |
|------------------------------|------|----|--------|-------------|--------|
| 17) trans-1,2-Dichloroethene | 2.98 | 96 | 4530m  | 1.334 ug/L  |        |
| 20) cis-1,2-Dichloroethene   | 4.22 | 96 | 207385 | 55.318 ug/L | 99     |
| 34) Trichloroethene          | 6.18 | 95 | 78611  | 21.286 ug/L | 96     |

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

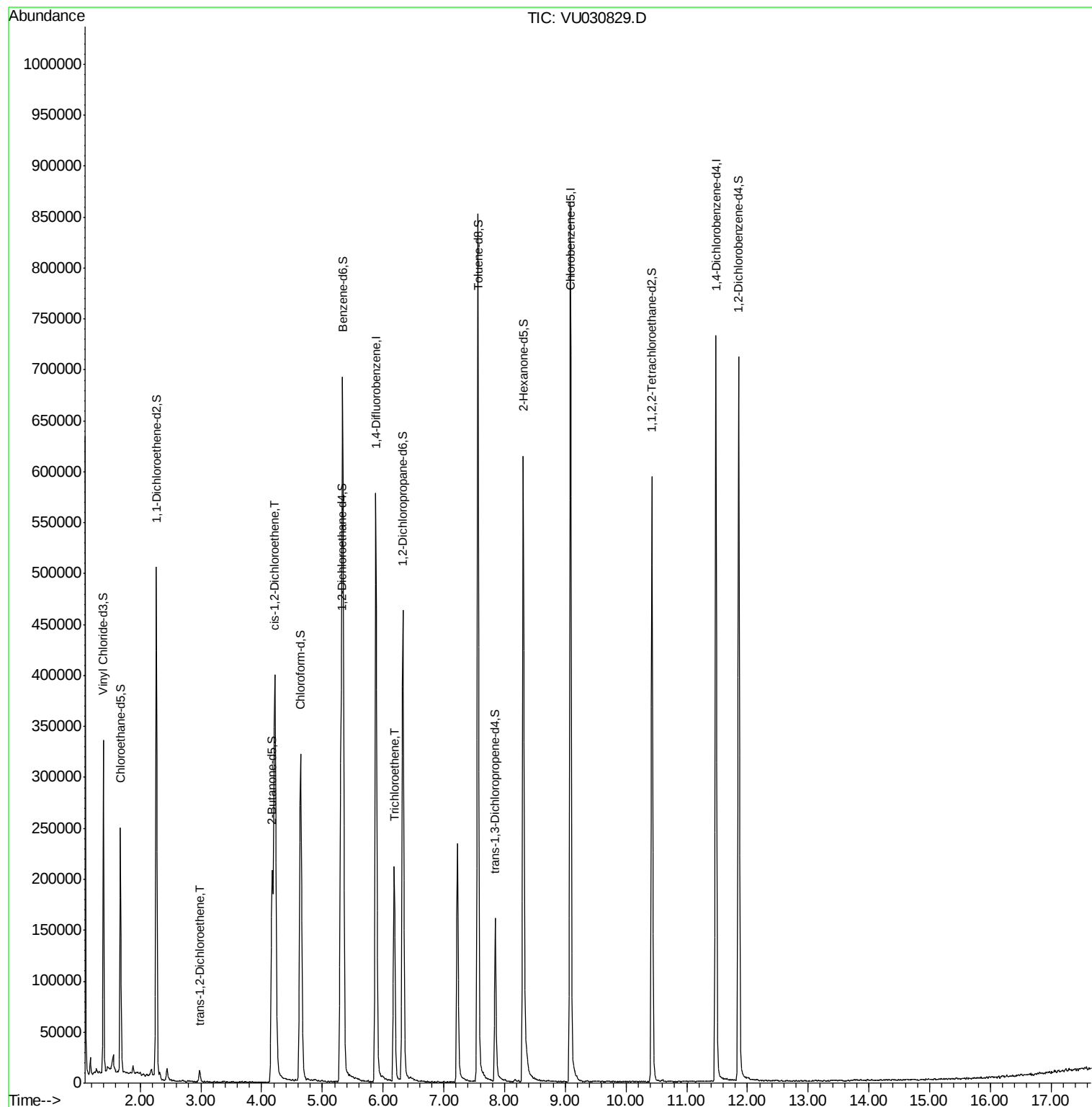
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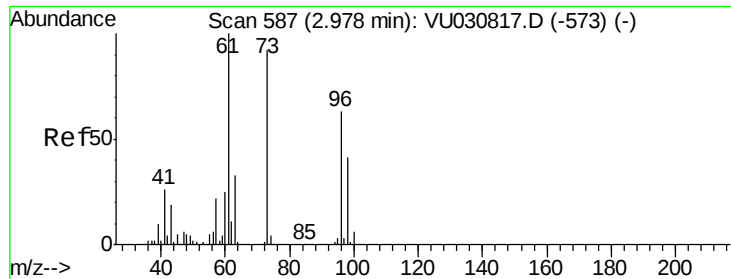
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QLast Update : Mon Apr 08 07:03:53 2019  
Response via : Initial Calibration





#17

trans-1,2-Dichloroethene

Concen: 1.334 ug/L m

RT: 2.98 min Scan# 589

Delta R.T. 0.01 min

Lab File: VU030829.D

Acq: 07 Apr 2019 02:38

Instrument :

MSVOA\_U

ClientSampled :

ETJ56DL

Tot Ion: 96 Resp: 4530

Ion Ratio Lower Upper

96 100

61 152.0 109.5 203.3

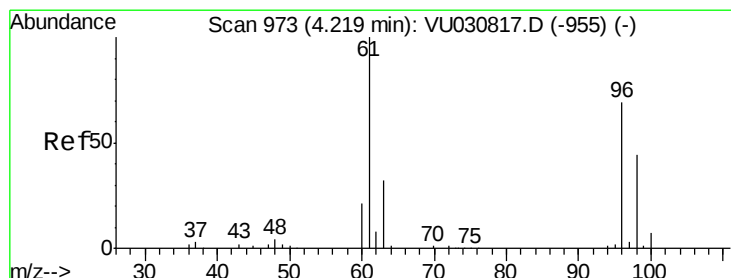
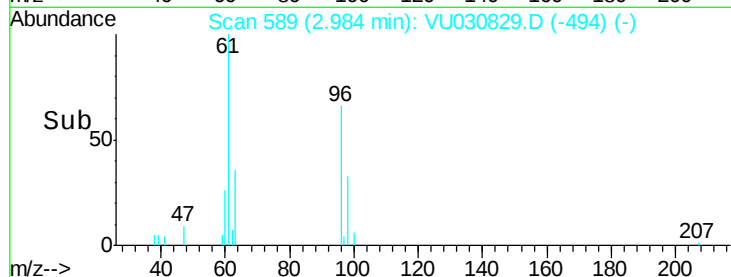
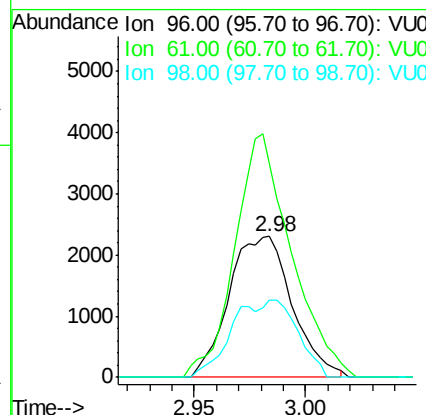
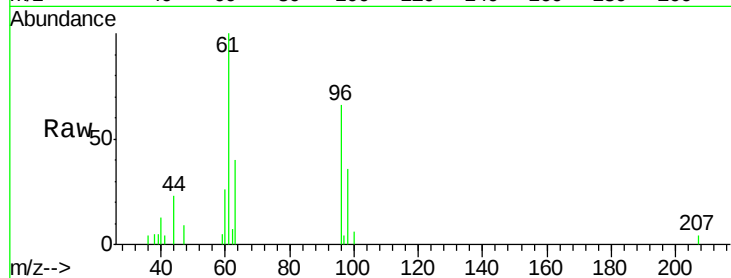
98 55.1 44.0 81.6

Manual Integrations

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#20

cis-1,2-Dichloroethene

Concen: 55.318 ug/L

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU030829.D

Acq: 07 Apr 2019 02:38

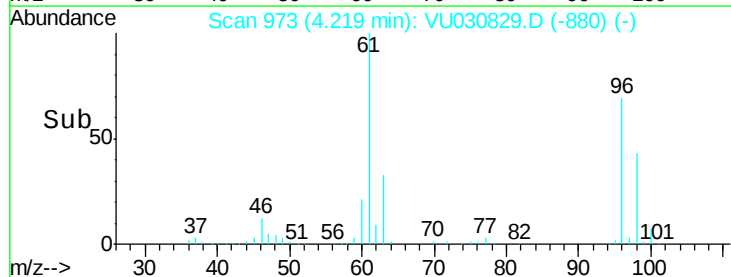
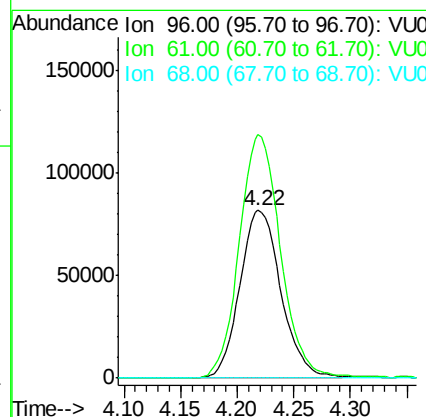
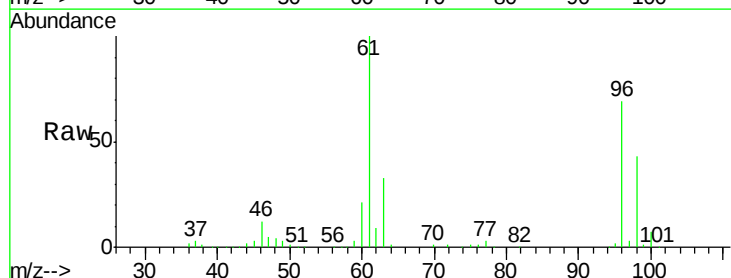
Tgt Ion: 96 Resp: 207385

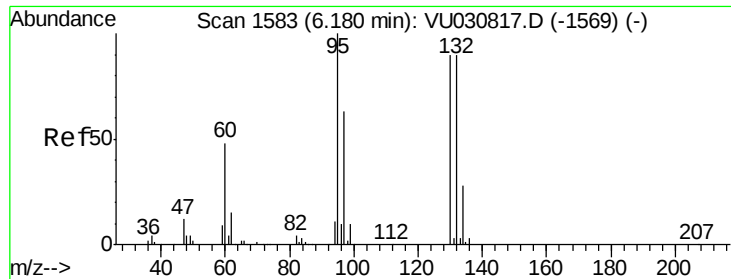
Ion Ratio Lower Upper

96 100

61 145.2 102.9 191.1

68 0.0 0.0 0.0





#34  
 Trichloroethene  
 Concen: 21.286 ug/L  
 RT: 6.18 min Scan# 1584  
 Delta R.T. 0.00 min  
 Lab File: VU030829.D  
 Acq: 07 Apr 2019 02:38

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|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 95    | Resp: | 78611 |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 97       | 60.1  | 44.5  | 82.7  |
| 132      | 90.7  | 61.5  | 114.1 |
| 130      | 97.4  | 64.9  | 120.5 |

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