

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV111419\  
 Data File : VV013630.D  
 Acq On : 14 Nov 2019 19:15  
 Operator : SY/MD  
 Sample : K5856-01  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 GAQG0

Manual Integrations  
 APPROVED

MMDadoda  
 11/15/2019 9:38:36 AM

Quant Time: Nov 15 04:13:55 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR111319WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Nov 15 02:40:46 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 331271   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 339471   | 5.00 | ug/L  | -0.02    |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 144977   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 102780   | 4.83     | ug/L | -0.03   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 96.60%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 89450    | 5.27     | ug/L | -0.03   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 105.40% |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 134563   | 3.69     | ug/L | -0.03   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 73.80%  |
| 20) 2-Butanone-d5              | 3.92   | 46    | 205400   | 53.90    | ug/L | -0.10   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 107.80% |
| 24) Chloroform-d               | 4.40   | 84    | 209651   | 5.74     | ug/L | -0.02   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 114.80% |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 105612   | 5.93     | ug/L | -0.02   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 118.60% |
| 32) Benzene-d6                 | 5.10   | 84    | 405483   | 4.96     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 99.20%  |
| 36) 1,2-Dichloropropane-d6     | 6.11   | 67    | 127530   | 4.54     | ug/L | -0.02   |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 90.80%  |
| 41) Toluene-d8                 | 7.36   | 98    | 329138   | 3.97     | ug/L | -0.04   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 79.40%  |
| 43) trans-1,3-Dichloropropene- | 7.66   | 79    | 42368    | 4.06     | ug/L | -0.04   |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 81.20%  |
| 46) 2-Hexanone-d5              | 8.13   | 63    | 169259   | 40.64    | ug/L | -0.03   |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 81.28%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 91301    | 4.64     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 92.80%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 135106   | 5.28     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 105.60% |

## Target Compounds

|                            |      |     |       | Ovalue          |
|----------------------------|------|-----|-------|-----------------|
| 13) Acetone                | 2.18 | 43  | 5853m | 2.375 ug/L      |
| 22) cis-1,2-Dichloroethene | 3.96 | 96  | 27969 | 1.237 ug/L # 99 |
| 34) Trichloroethene        | 5.96 | 95  | 51187 | 1.839 ug/L 98   |
| 47) Tetrachloroethene      | 8.01 | 164 | 2863  | 0.113 ug/L 95   |

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

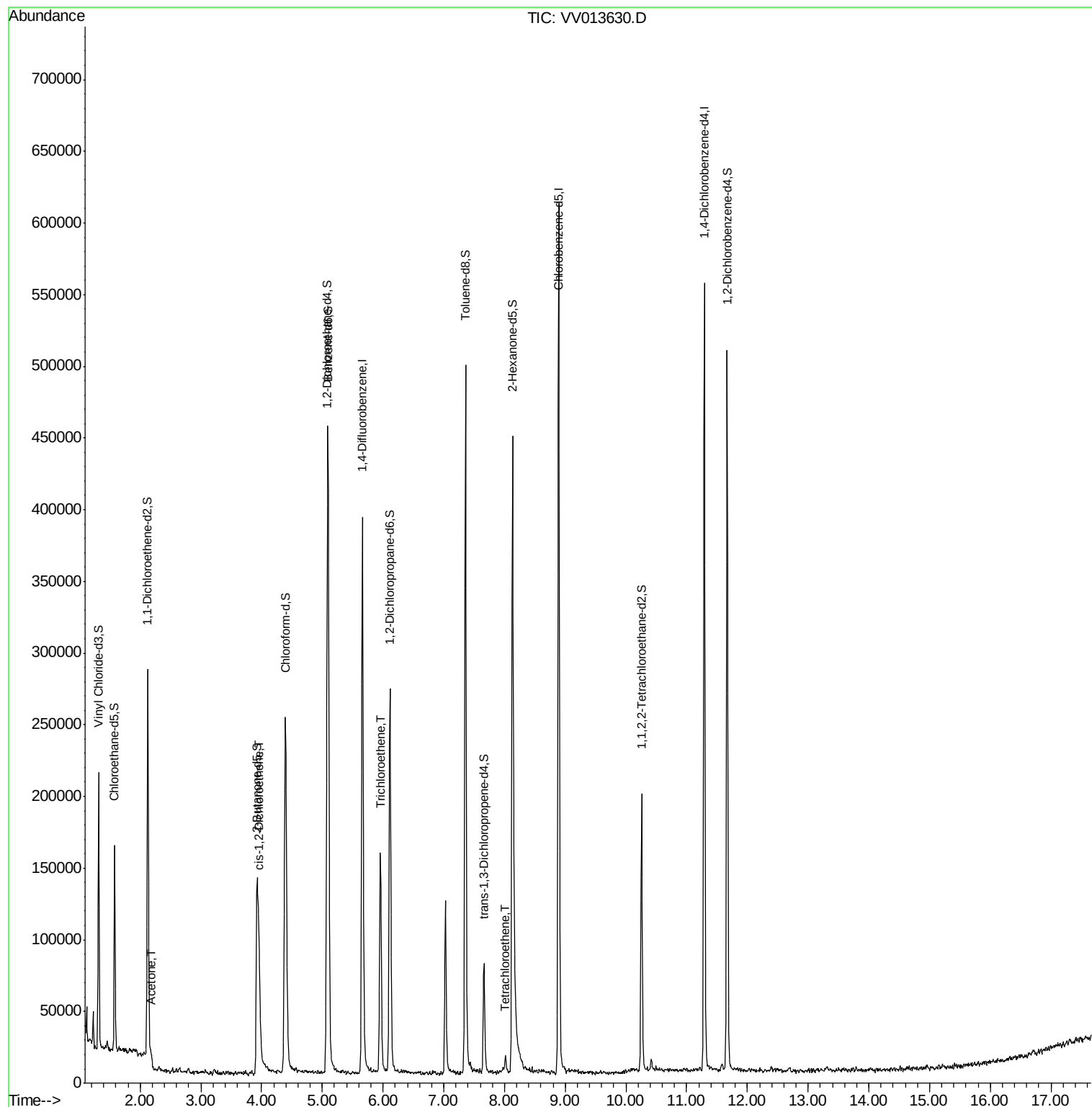
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV111419\  
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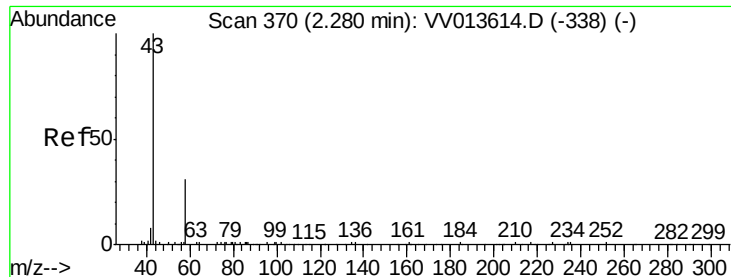
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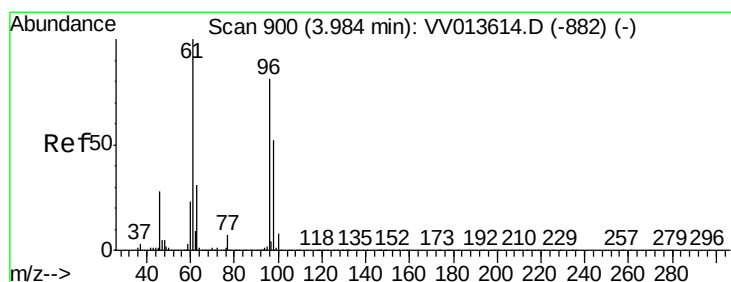
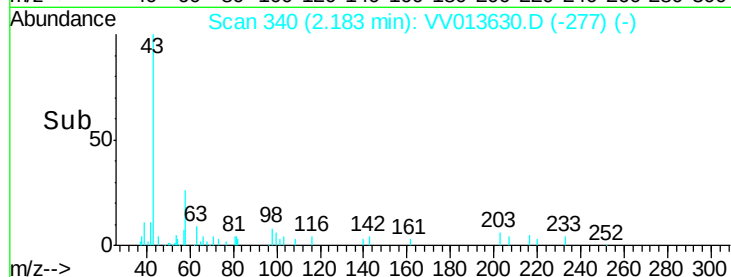
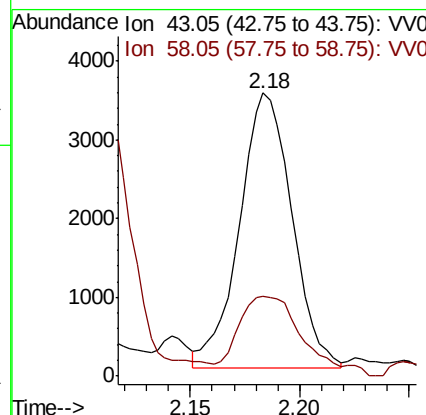
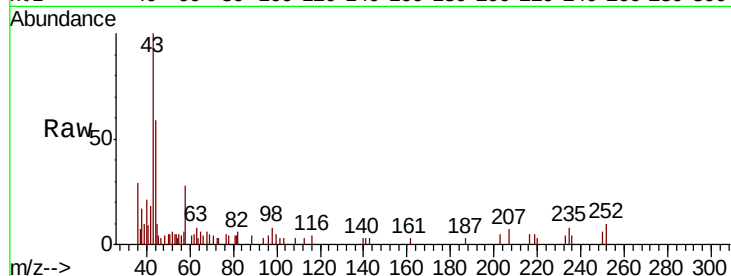
#13  
Acetone  
Concen: 2.375 ug/L m  
RT: 2.18 min Scan# 340  
Delta R.T. -0.10 min  
Lab File: VV013630.D  
Acq: 14 Nov 2019 19:15

Instrument :  
MSVOA\_V  
ClientSampleId :  
GAQG0

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 0.0   | 0.0   | 28.8  |

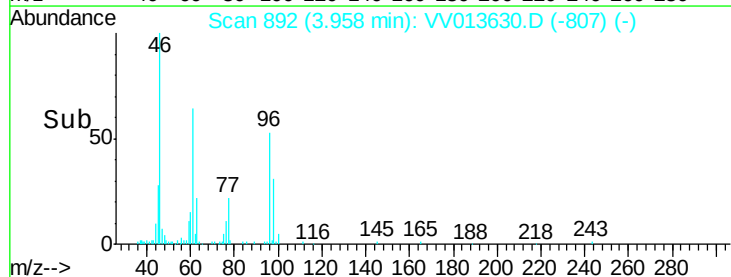
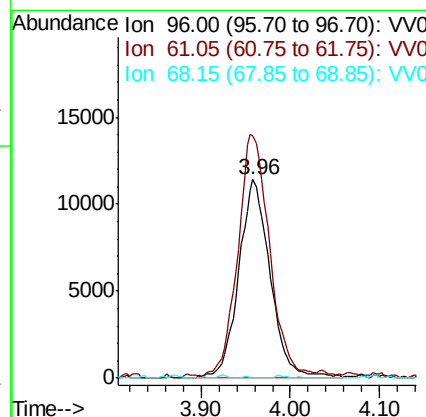
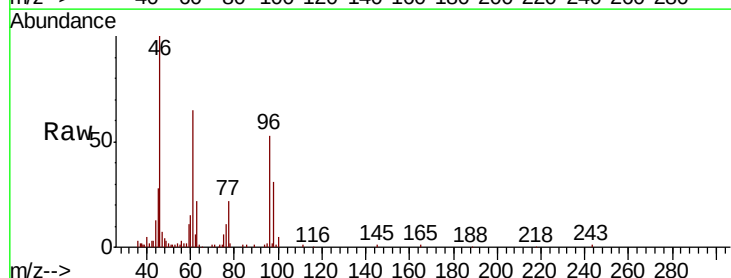
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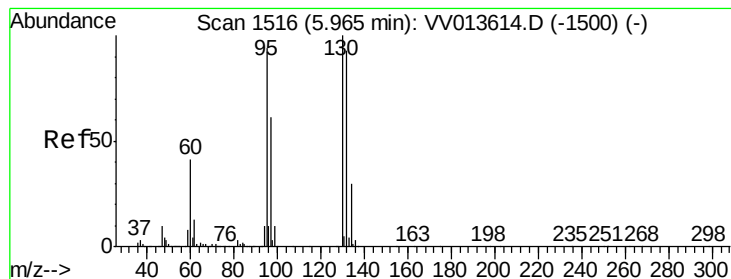
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11/15/2019 9:38:36 AM



#22  
cis-1,2-Dichloroethene  
Concen: 1.237 ug/L  
RT: 3.96 min Scan# 892  
Delta R.T. -0.03 min  
Lab File: VV013630.D  
Acq: 14 Nov 2019 19:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 122.2 | 84.7  | 157.3 |
| 68      | 0.0   | 0.3   | 0.7#  |





#34

Trichloroethene

Concen: 1.839 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.01 min

Lab File: VV013630.D

Acq: 14 Nov 2019 19:15

Instrument :

MSVOA\_V

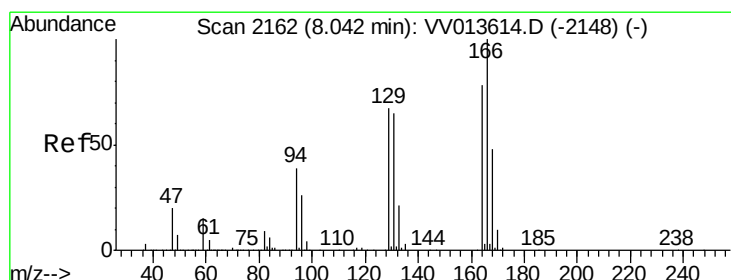
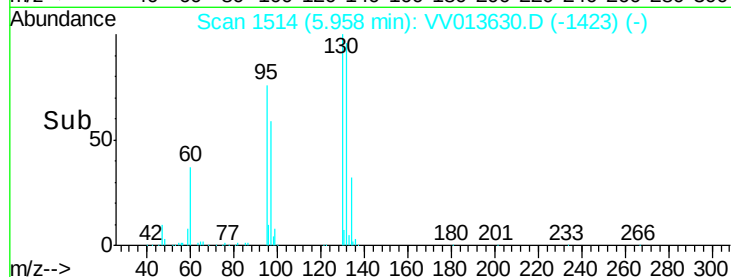
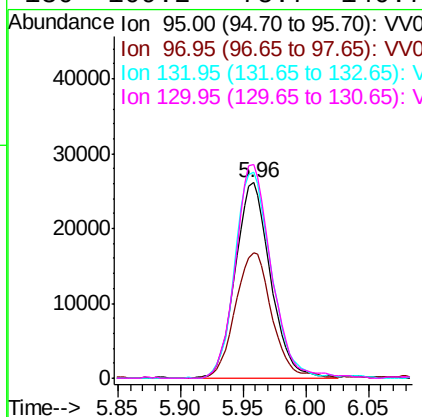
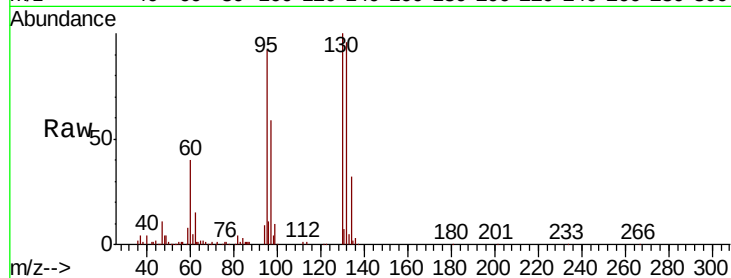
ClientSampleId :

GAQG0

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 95    | Resp: | 51187 |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 97       | 64.3  | 47.0  | 87.4  |
| 132      | 105.1 | 72.2  | 134.0 |
| 130      | 109.2 | 75.7  | 140.7 |

Manual Integrations  
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11/15/2019 9:38:36 AM



#47

Tetrachloroethene

Concen: 0.113 ug/L

RT: 8.01 min Scan# 2153

Delta R.T. -0.03 min

Lab File: VV013630.D

Acq: 14 Nov 2019 19:15

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 2863  |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 87.5  | 61.6  | 114.4 |
| 131      | 74.1  | 59.0  | 109.6 |
| 166      | 131.4 | 87.9  | 163.3 |

