

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120519\  
 Data File : VW014227.D  
 Acq On : 05 Dec 2019 21:27  
 Operator : SY/VA  
 Sample : K6149-11  
 Misc : 5.31G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 DBBS4

Manual Integrations  
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 12/6/2019 2:55:51 PM

Quant Time: Dec 06 07:48:58 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM120519S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Dec 06 06:50:50 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 1034045  | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 956996   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.55 | 152  | 411214   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 404532   | 25.83    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 103.32% |
| 7) Chloroethane-d5             | 2.89   | 69    | 281012   | 24.14    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 96.56%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 520184m  | 18.81    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 75.24%  |
| 20) 2-Butanone-d5              | 7.07   | 46    | 250084   | 61.29    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 122.58% |
| 24) Chloroform-d               | 7.65   | 84    | 616534   | 23.42    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 93.68%  |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 351705   | 25.48    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 101.92% |
| 29) Benzene-d6                 | 8.27   | 84    | 1346755  | 24.01    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 96.04%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 410905   | 23.81    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 95.24%  |
| 37) Toluene-d8                 | 10.32  | 98    | 1204062  | 23.74    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 94.96%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 171969   | 23.75    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 95.00%  |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 198855   | 57.96    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 115.92% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 373743   | 26.58    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 106.32% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 409529   | 26.06    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 104.24% |

## Target Compounds

|                            |       |     |        |            | Ovalue |
|----------------------------|-------|-----|--------|------------|--------|
| 13) Acetone                | 4.12  | 43  | 26668  | 6.779 ug/L | 81     |
| 16) Methylene chloride     | 4.93  | 84  | 28605  | 1.805 ug/L | 95     |
| 22) cis-1,2-Dichloroethene | 7.17  | 96  | 10340m | 0.657 ug/L |        |
| 47) Tetrachloroethene      | 10.86 | 164 | 13614  | 1.054 ug/L | 95     |

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

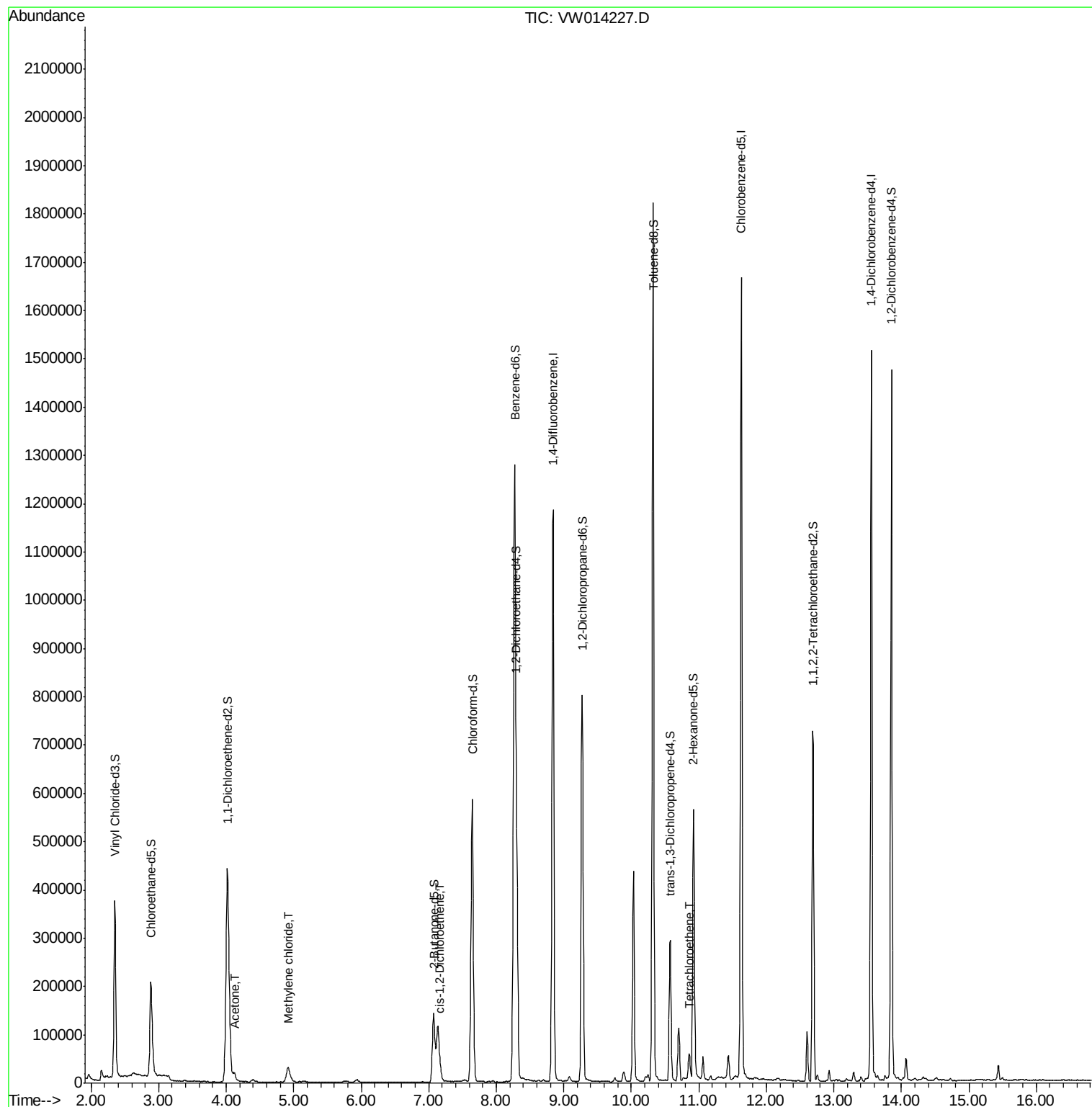
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120519\  
Data File : VW014227.D  
Acq On : 05 Dec 2019 21:27  
Operator : SY/VA  
Sample : K6149-11  
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ALS Vial : 1 Sample Multiplier: 1

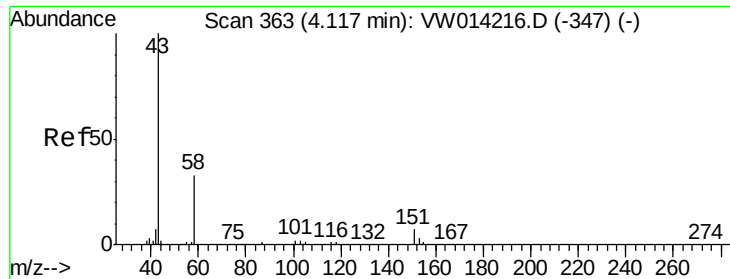
Instrument :  
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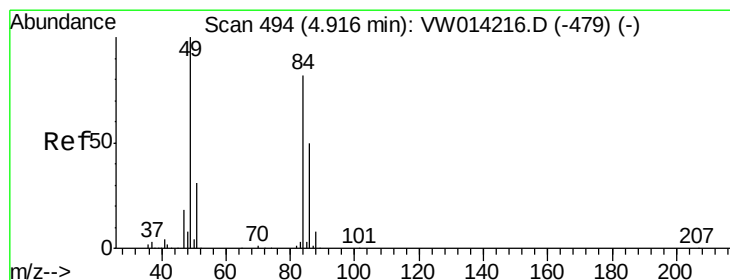
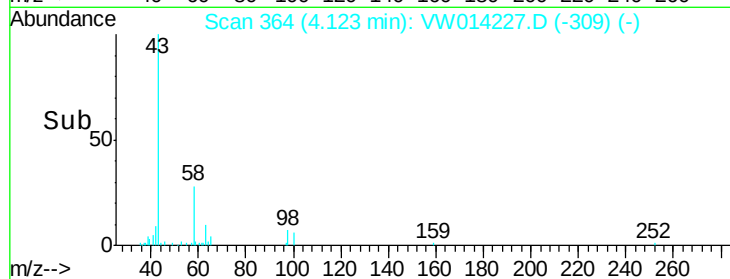
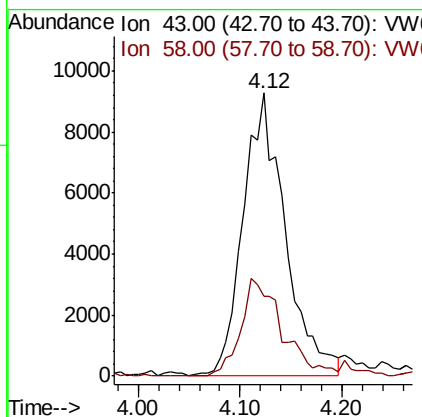
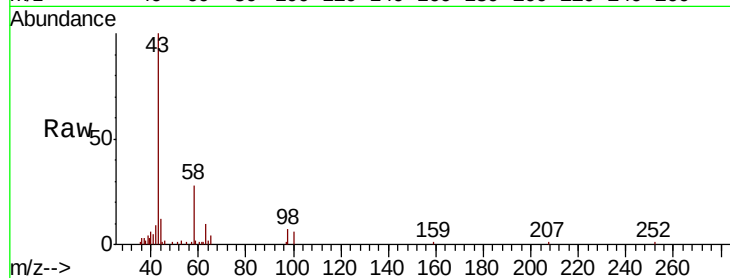
#13  
Acetone  
Concen: 6.779 ug/L  
RT: 4.12 min Scan# 364  
Delta R.T. 0.01 min  
Lab File: VW014227.D  
Acq: 05 Dec 2019 21:27

Instrument :  
MSVOA\_W  
ClientSampled :  
DBBS4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 22.2  | 0.0   | 65.4  |

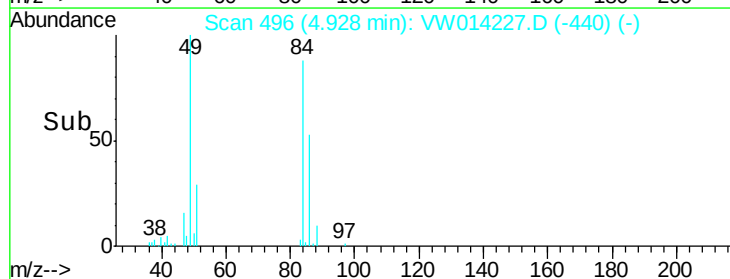
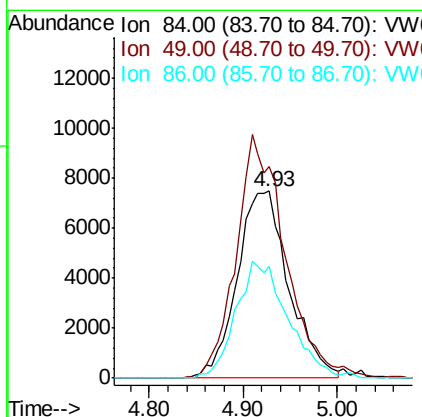
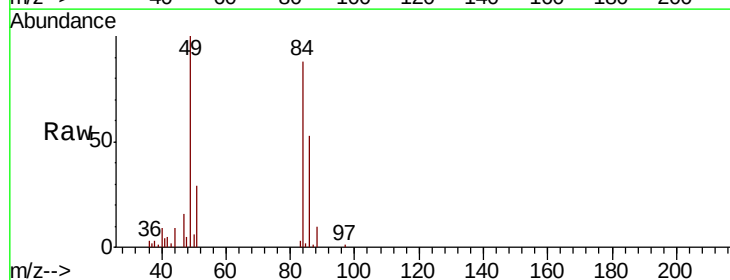
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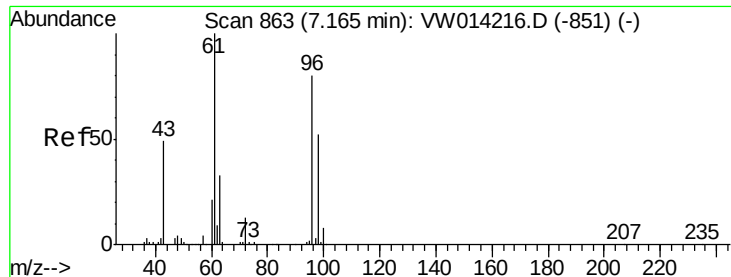
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#16  
Methylene chloride  
Concen: 1.805 ug/L  
RT: 4.93 min Scan# 496  
Delta R.T. 0.01 min  
Lab File: VW014227.D  
Acq: 05 Dec 2019 21:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 113.1 | 84.2  | 156.4 |
| 86      | 60.1  | 43.7  | 81.1  |





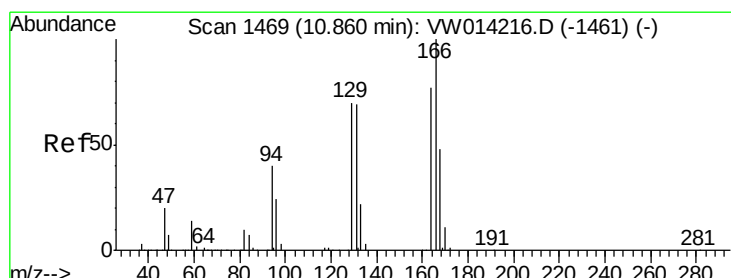
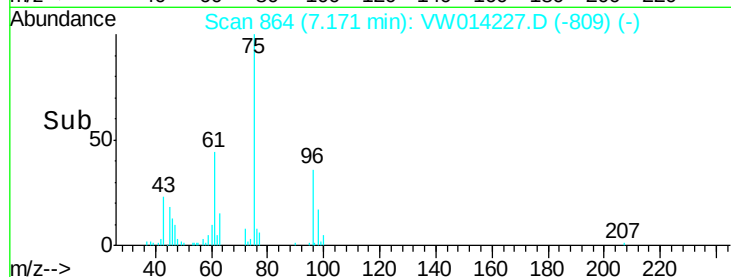
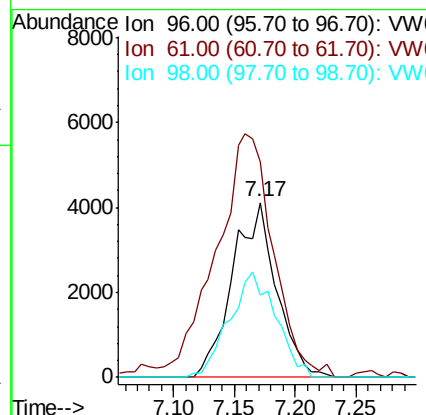
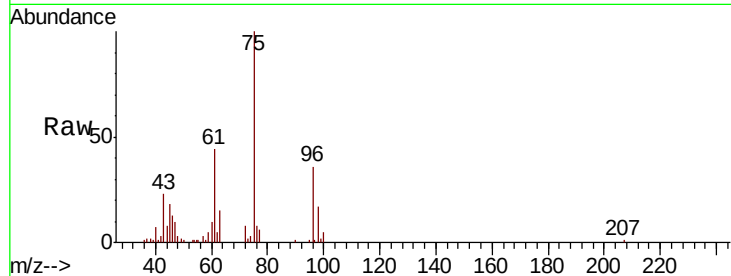
#22  
 cis-1,2-Dichloroethene  
 Concen: 0.657 ug/L m  
 RT: 7.17 min Scan# 864  
 Delta R.T. 0.01 min  
 Lab File: VW014227.D  
 Acq: 05 Dec 2019 21:27

Instrument :  
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| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 123.0 | 86.9  | 161.5 |
| 98      | 47.2  | 45.5  | 84.5  |

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#47  
 Tetrachloroethene  
 Concen: 1.054 ug/L  
 RT: 10.86 min Scan# 1469  
 Delta R.T. -0.00 min  
 Lab File: VW014227.D  
 Acq: 05 Dec 2019 21:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 129     | 95.5  | 60.6  | 112.6 |
| 131     | 91.0  | 59.1  | 109.7 |
| 166     | 130.9 | 90.8  | 168.6 |

