

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042419\  
 Data File : VV010483.D  
 Acq On : 25 Apr 2019 00:50  
 Operator : SY/MD  
 Sample : K2477-17  
 Misc : 25mL/MSVOA V/WATER  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0XA8

Quant Time: Apr 25 04:36:46 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR042419WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Apr 25 04:02:34 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 223880   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 229504   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 103181   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 58882    | 4.51     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 90.20%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 48744    | 4.99     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 99.80%  |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 89966    | 3.56     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 71.20%  |
| 20) 2-Butanone-d5              | 3.95   | 46    | 141057   | 50.98    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 101.96% |
| 24) Chloroform-d               | 4.40   | 84    | 130613   | 4.83     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 96.60%  |
| 26) 1,2-Dichloroethane-d4      | 5.09   | 65    | 70469    | 5.22     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 104.40% |
| 32) Benzene-d6                 | 5.10   | 84    | 268357   | 4.90     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 98.00%  |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 77557    | 4.83     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 96.60%  |
| 41) Toluene-d8                 | 7.36   | 98    | 233399   | 4.35     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 87.00%  |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 25286    | 3.99     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 79.80%  |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 104539   | 43.21    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 86.42%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 56413    | 4.72     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 94.40%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 98631    | 5.17     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 103.40% |

## Target Compounds

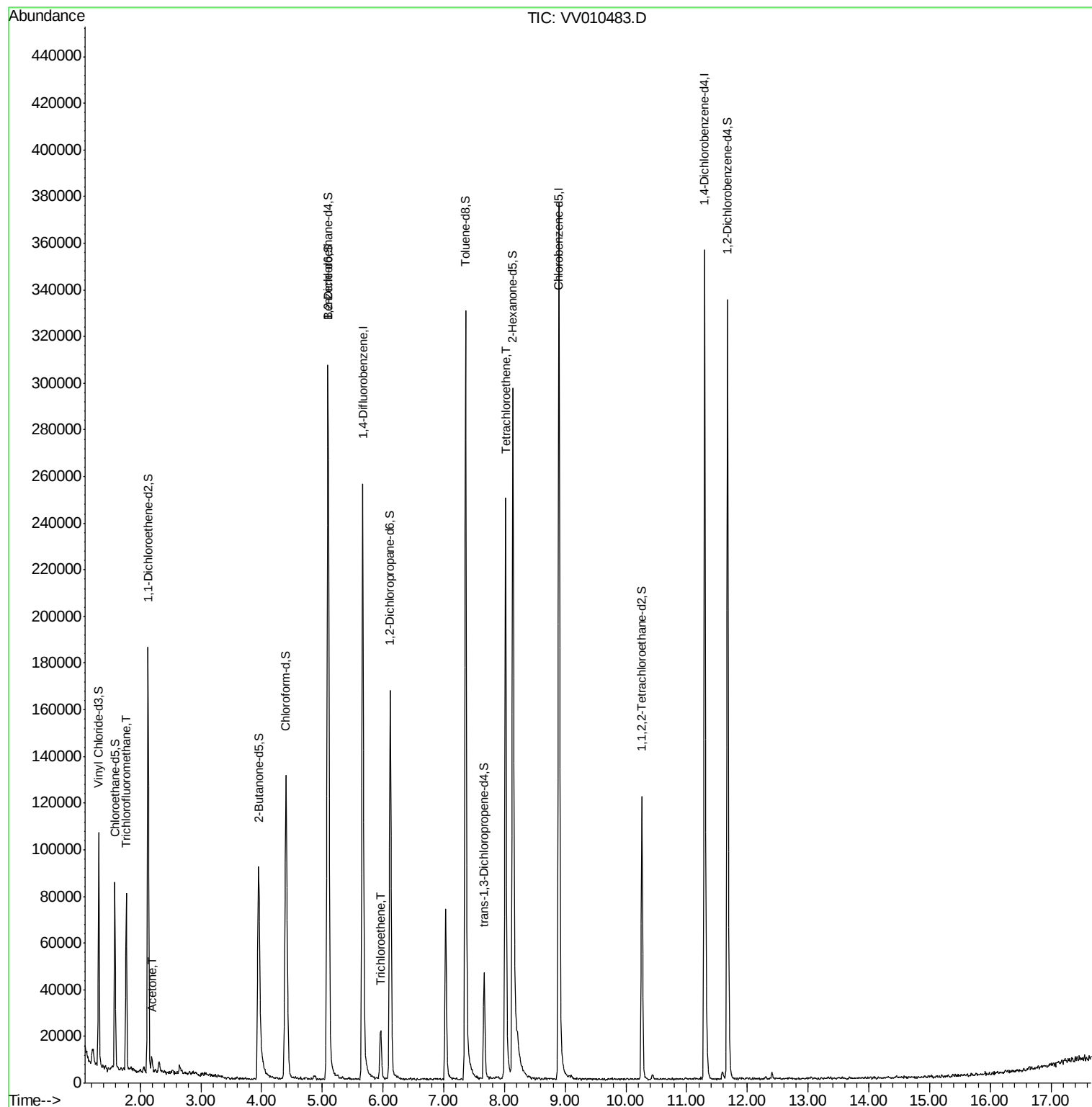
|                           |      |     |       |            | Ovalue |
|---------------------------|------|-----|-------|------------|--------|
| 9) Trichlorofluoromethane | 1.77 | 101 | 44886 | 1.587 ug/L | 96     |
| 13) Acetone               | 2.19 | 43  | 3625  | 2.177 ug/L | 91     |
| 34) Trichloroethene       | 5.96 | 95  | 6956  | 0.411 ug/L | 91     |
| 47) Tetrachloroethene     | 8.02 | 164 | 58845 | 3.892 ug/L | 96     |

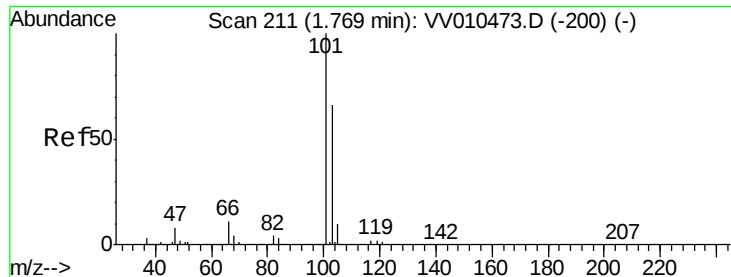
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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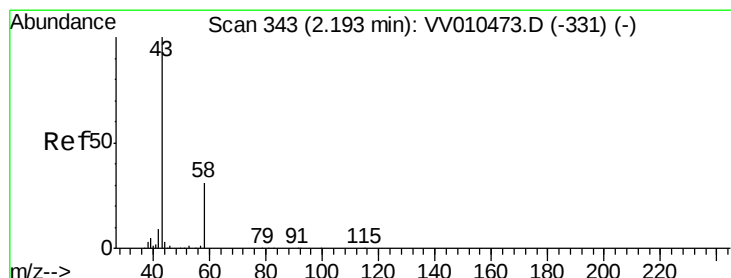
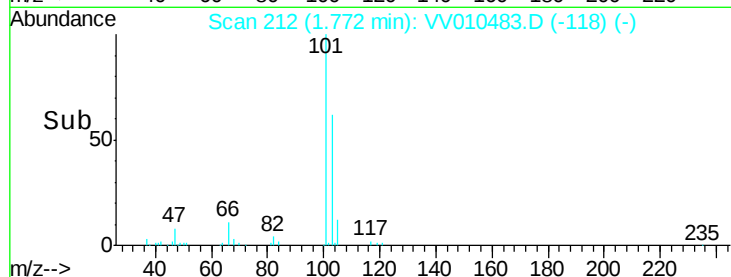
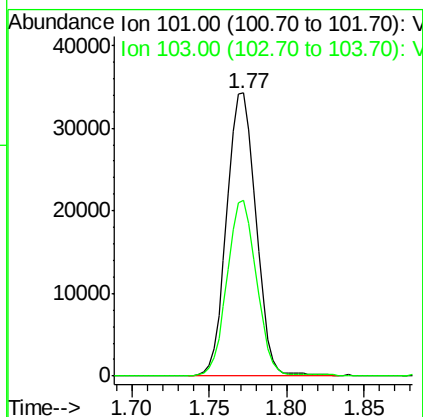
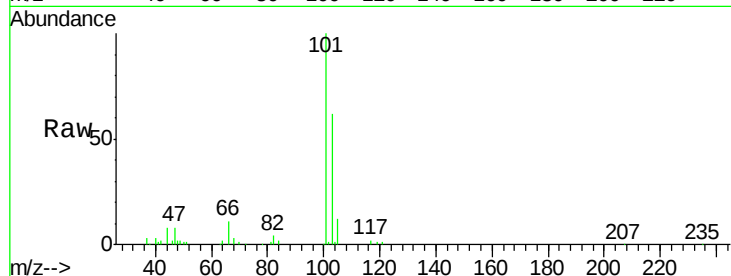


#9

Trichlorofluoromethane  
 Concen: 1.587 ug/L  
 RT: 1.77 min Scan# 212  
 Delta R.T. 0.00 min  
 Lab File: VV010483.D  
 Acq: 25 Apr 2019 00:50

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 C0XA8

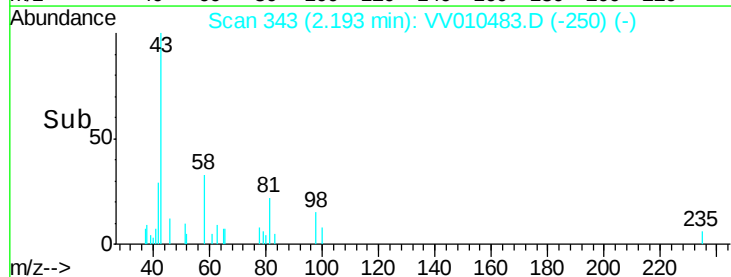
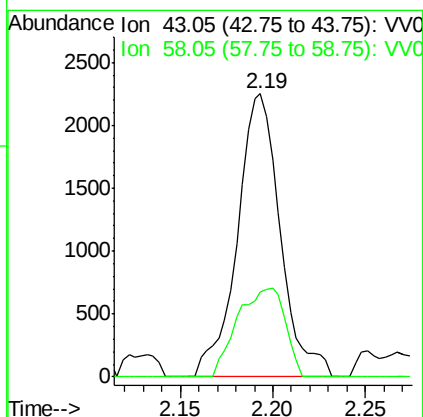
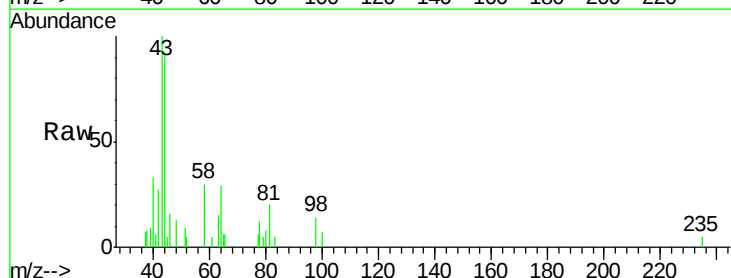
Tot Ion:101 Resp: 44886  
 Ion Ratio Lower Upper  
 101 100  
 103 62.2 52.6 78.8

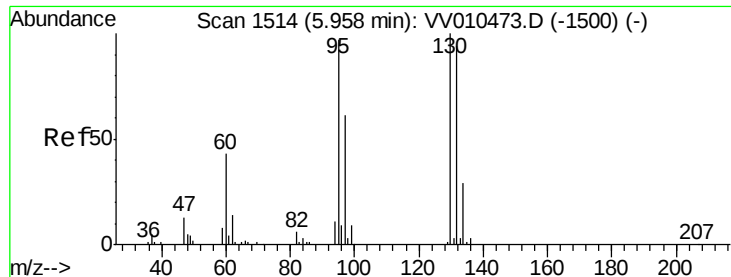


#13

Acetone  
 Concen: 2.177 ug/L  
 RT: 2.19 min Scan# 343  
 Delta R.T. 0.00 min  
 Lab File: VV010483.D  
 Acq: 25 Apr 2019 00:50

Tgt Ion: 43 Resp: 3625  
 Ion Ratio Lower Upper  
 43 100  
 58 34.6 0.0 59.6

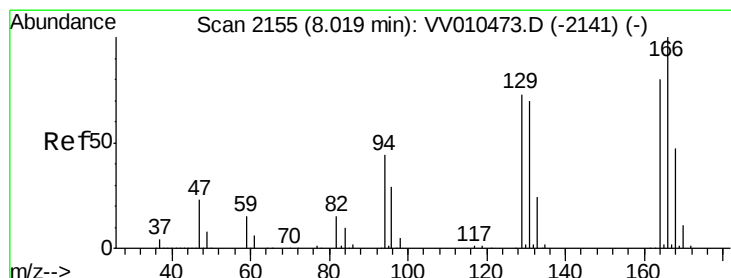
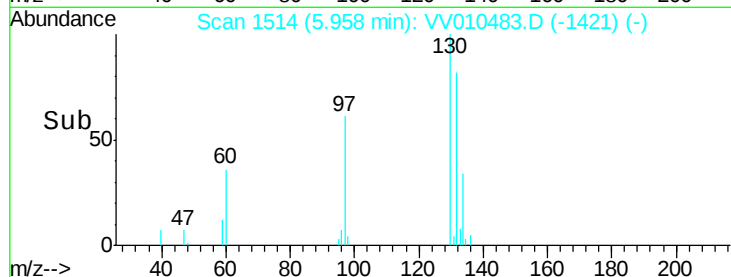
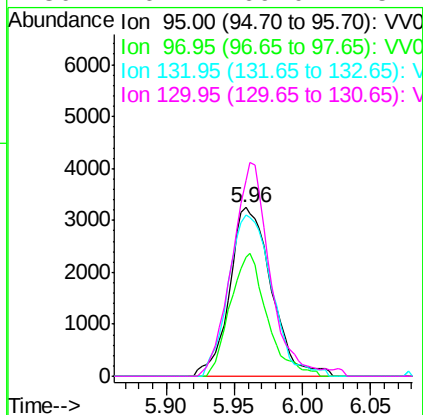
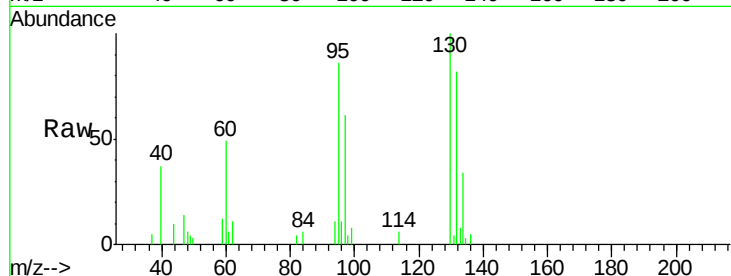




#34  
 Trichloroethene  
 Concen: 0.411 ug/L  
 RT: 5.96 min Scan# 1514  
 Delta R.T. 0.00 min  
 Lab File: VV010483.D  
 Acq: 25 Apr 2019 00:50

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|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 95    | Resp: | 6956  |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 97       | 70.6  | 45.6  | 84.6  |
| 132      | 95.4  | 67.8  | 126.0 |
| 130      | 116.4 | 69.0  | 128.2 |



#47  
 Tetrachloroethene  
 Concen: 3.892 ug/L  
 RT: 8.02 min Scan# 2154  
 Delta R.T. -0.00 min  
 Lab File: VV010483.D  
 Acq: 25 Apr 2019 00:50

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 58845 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 92.2  | 69.7  | 129.4 |
| 131      | 90.4  | 63.8  | 118.6 |
| 166      | 127.8 | 87.4  | 162.2 |

