

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW080718\  
 Data File : VW004498.D  
 Acq On : 07 Aug 2018 15:56  
 Operator : SY/AP  
 Sample : VIBLK92  
 Misc : 5.00G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VIBLK92

Manual Integrations  
 APPROVED

MMDadoda  
 8/8/2018 2:13:36 PM

Quant Time: Aug 08 09:38:44 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM080218S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Aug 08 05:39:03 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 737353   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 758849   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 333509   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 183598   | 20.02    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 80.08%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 155232   | 20.12    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 80.48%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 279973   | 15.03    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 60.12%  |
| 20) 2-Butanone-d5              | 7.09   | 46    | 236667   | 58.53    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 117.06% |
| 24) Chloroform-d               | 7.65   | 84    | 434758   | 21.78    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 87.12%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 259090m  | 23.28    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 93.12%  |
| 29) Benzene-d6                 | 8.28   | 84    | 813043   | 20.14    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 80.56%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 278156   | 21.08    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 84.32%  |
| 37) Toluene-d8                 | 10.33  | 98    | 666072   | 18.72    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 74.88%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 103513   | 19.08    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 76.32%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 165491   | 51.52    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 103.04% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.70  | 84    | 338092   | 23.63    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 94.52%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 292547   | 23.35    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 93.40%  |

| Target Compounds       |      |    |       |            | Qvalue |
|------------------------|------|----|-------|------------|--------|
| 13) Acetone            | 4.14 | 43 | 10673 | 3.046 ug/L | 78     |
| 16) Methylene chloride | 4.91 | 84 | 57987 | 3.959 ug/L | 95     |

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

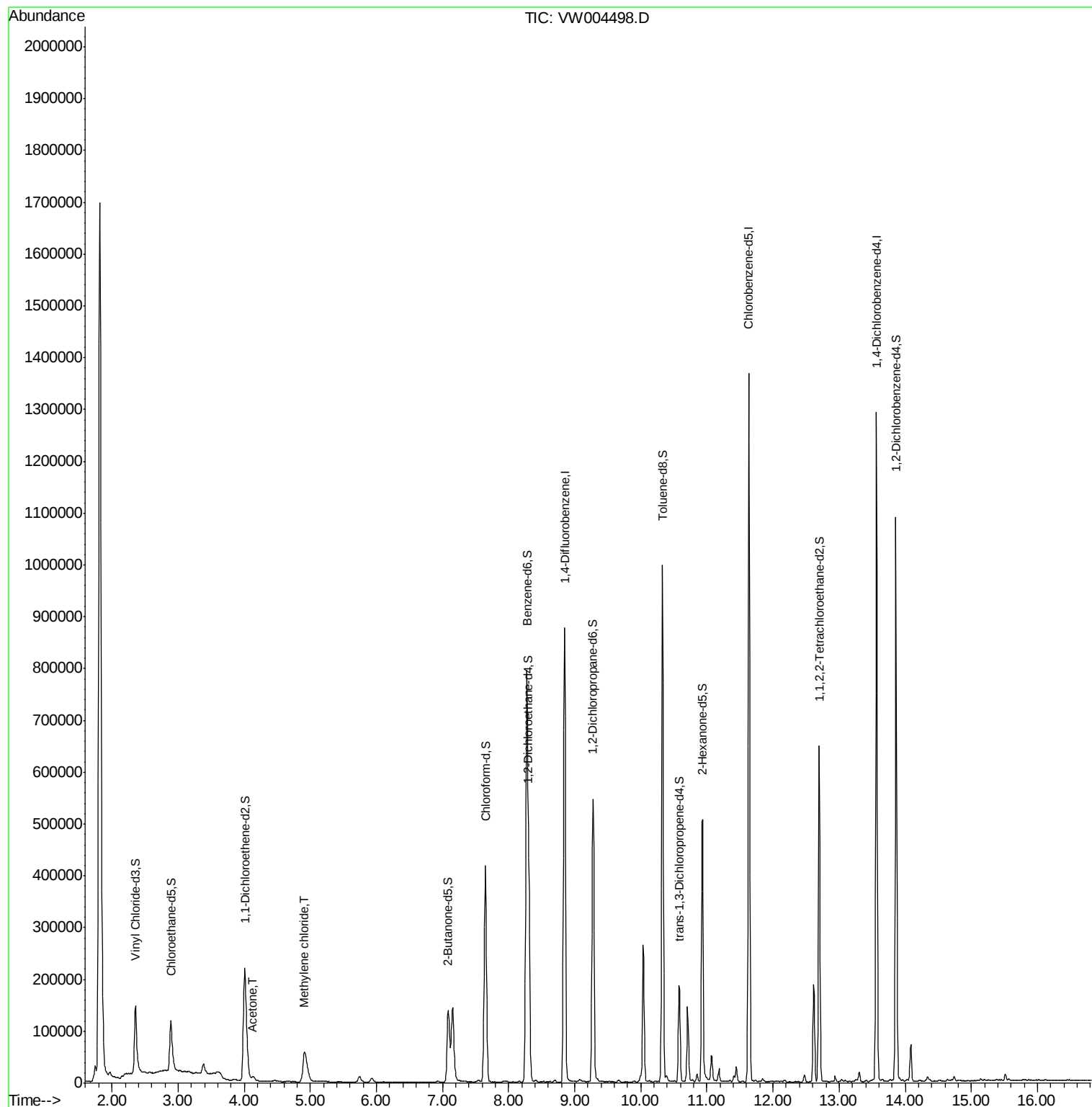
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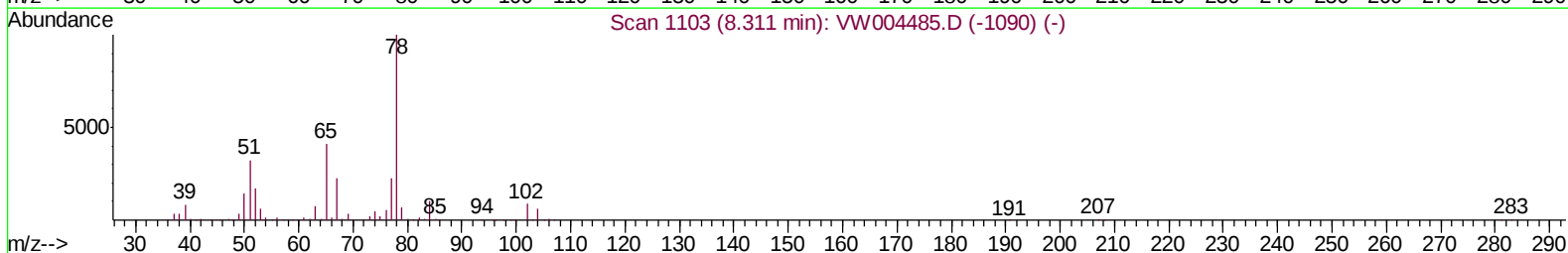
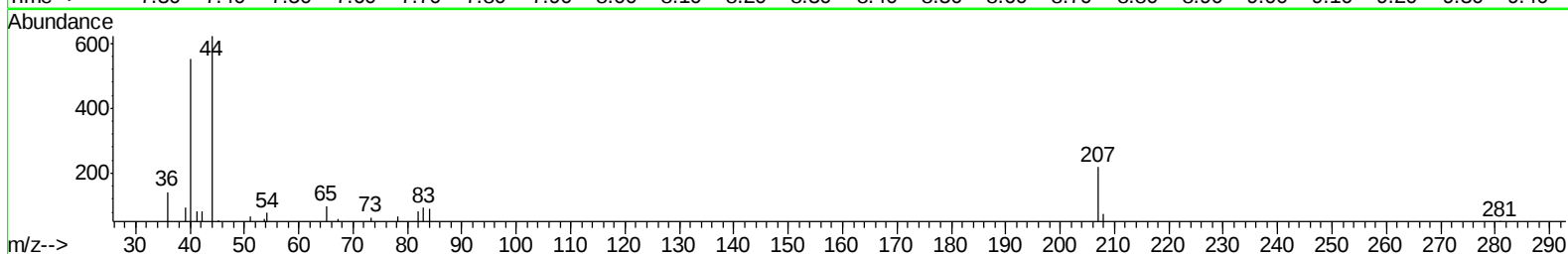
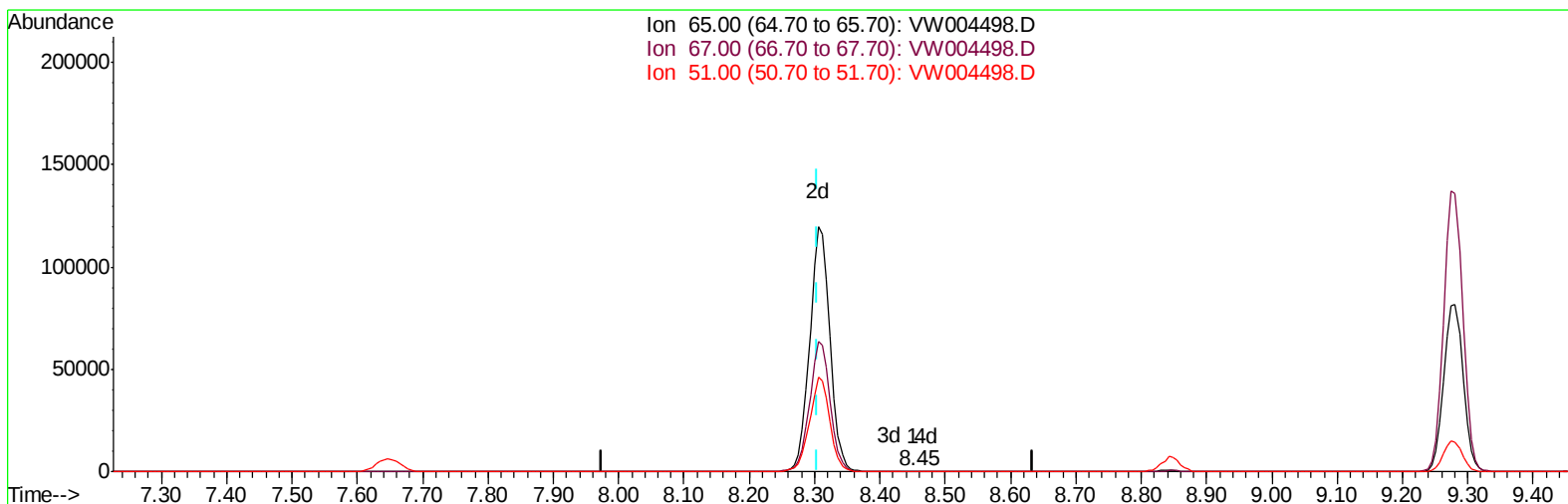
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TIC: VW004498.D

(26) 1,2-Dichloroethane-d4 (S)

8.452min (+0.146) 0.01ug/L

response 96

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 65.00 | 100    | 100    |
| 67.00 | 55.10  | 56.25  |
| 51.00 | 107.50 | 122.92 |
| 0.00  | 0.00   | 0.00   |

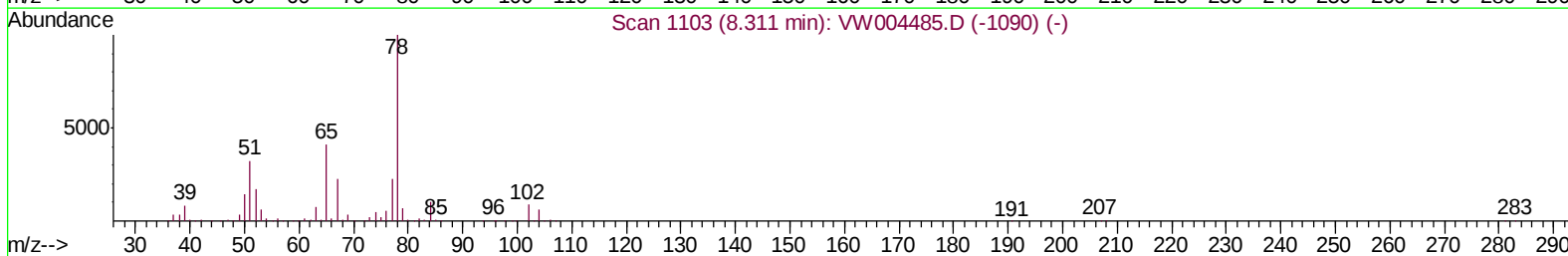
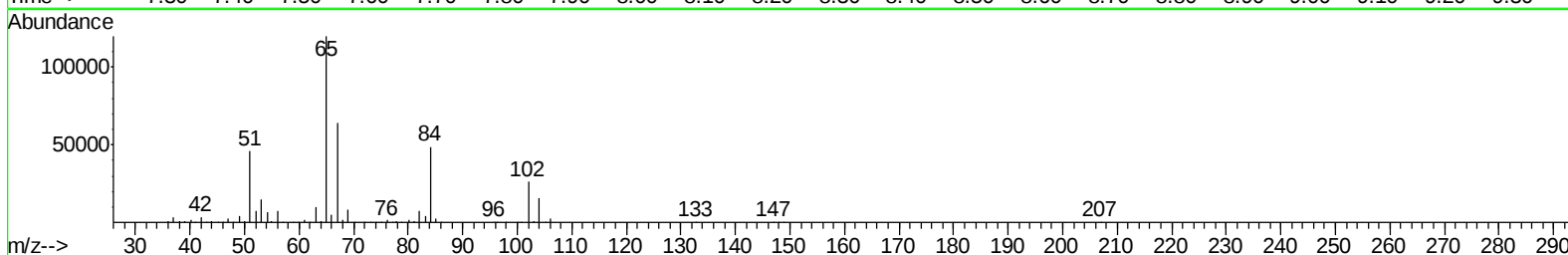
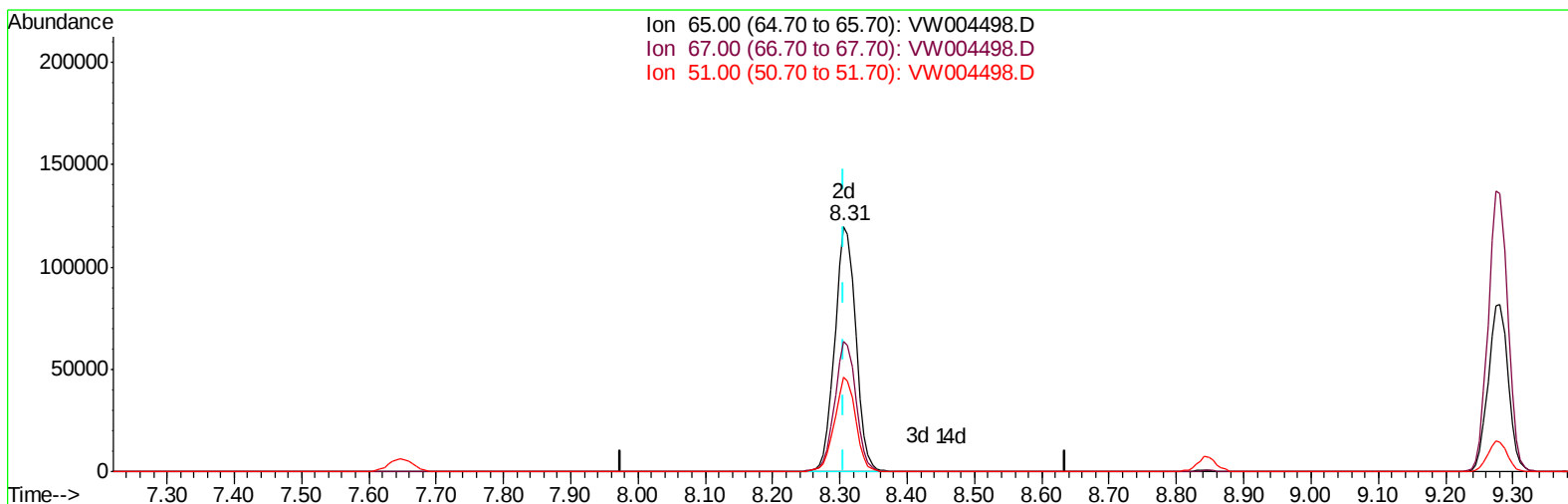
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TIC: VW004498.D

(26) 1,2-Dichloroethane-d4 (S)

8.306min (+0.000) 23.28ug/L m

response 259090

| Ion   | Exp%   | Act%  |
|-------|--------|-------|
| 65.00 | 100    | 100   |
| 67.00 | 55.10  | 0.02# |
| 51.00 | 107.50 | 0.05# |
| 0.00  | 0.00   | 0.00  |