

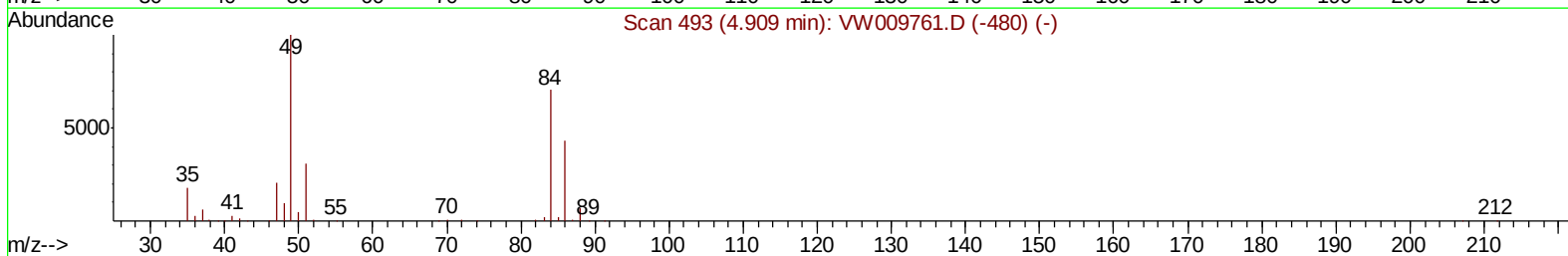
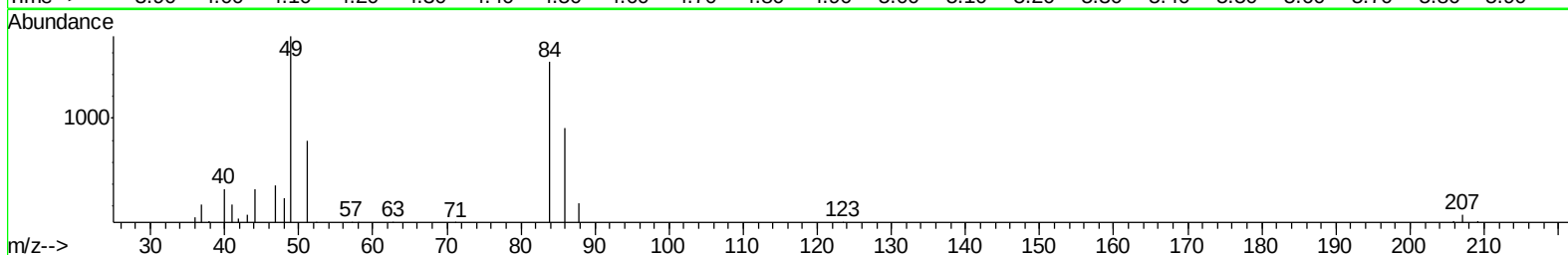
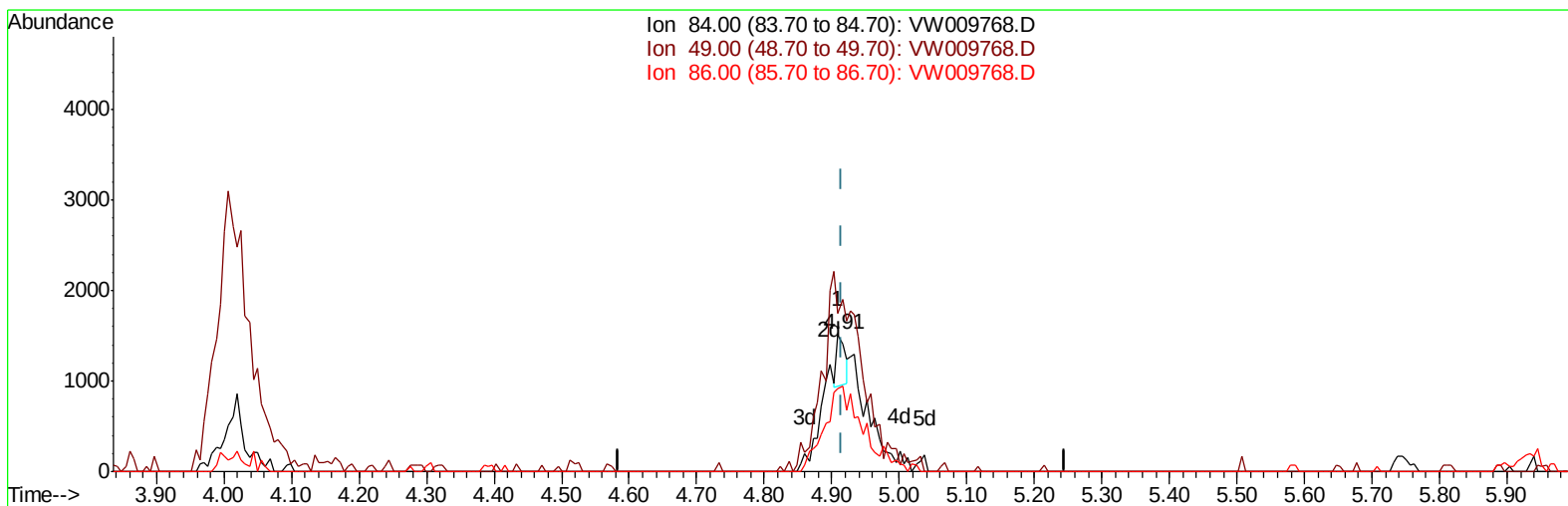
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_W\DATA\VW040619\  
 Data File : VW009768.D  
 Acq On : 06 Apr 2019 13:12  
 Operator : SY/VA  
 Sample : K2277-12  
 Misc : 4.82G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BF175

Manual Integrations  
 APPROVED

MMDadoda  
 4/11/2019 11:43:02 AM

Quant Time: Apr 07 05:07:15 2019  
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM040319S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sun Apr 07 03:56:20 2019  
 Response via : Initial Calibration



TIC: VW009768.D

(16) Methylene chloride (T)

4.909min (-0.006) 0.05ug/L

response 481

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 84.00 | 100    | 100    |
| 49.00 | 140.40 | 115.47 |
| 86.00 | 66.30  | 60.21  |
| 0.00  | 0.00   | 0.00   |

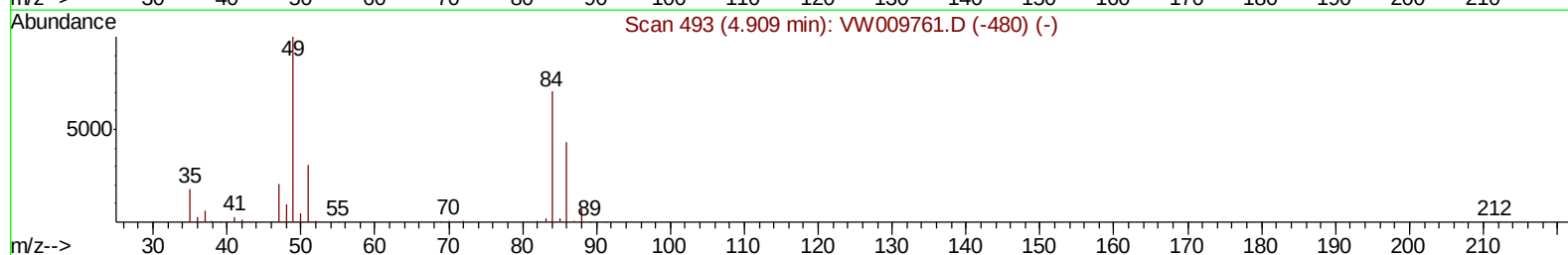
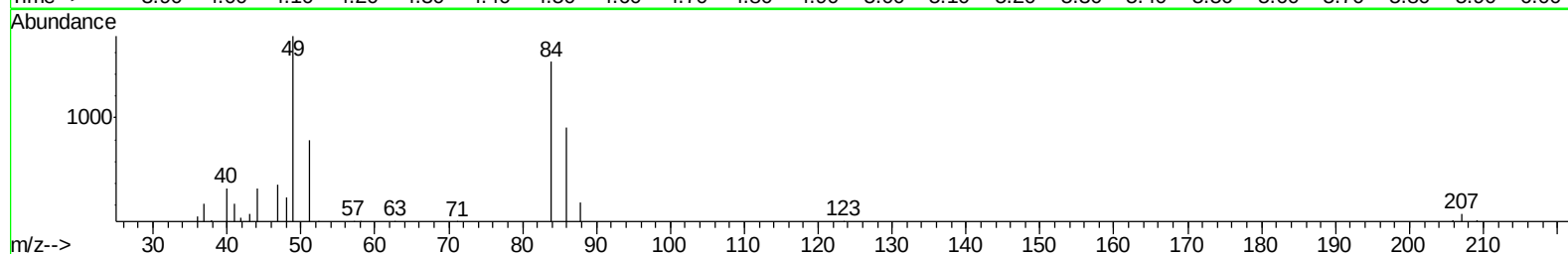
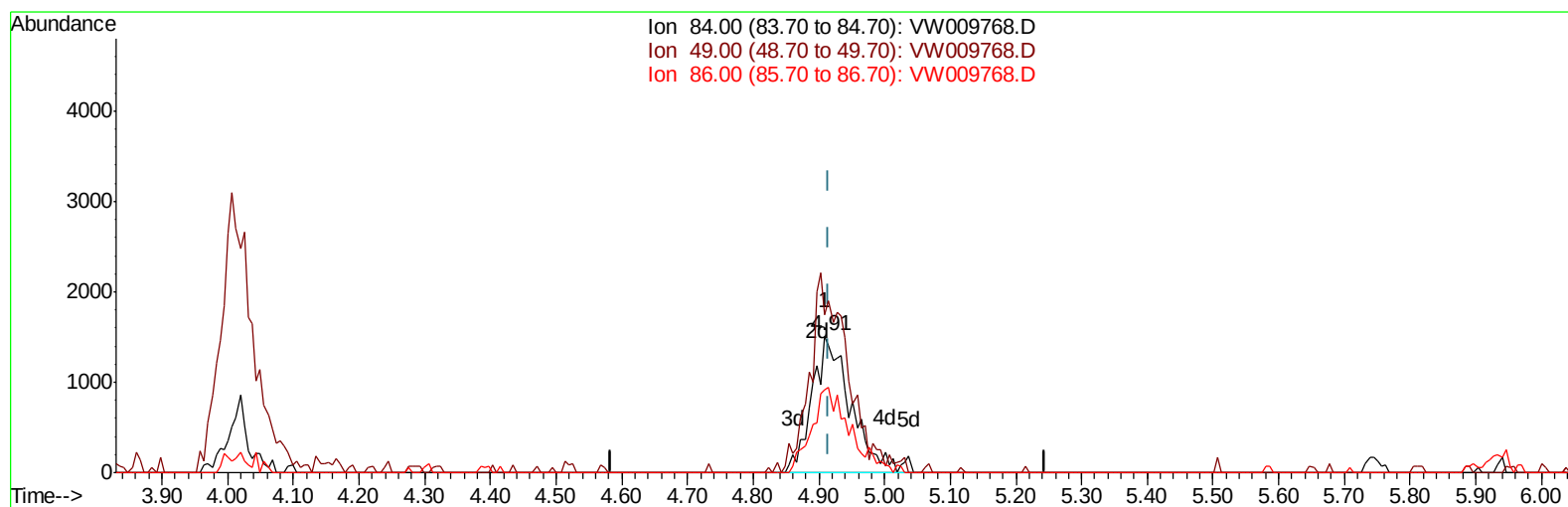
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TIC: VW009768.D

(16) Methylene chloride (T)  
 4.909min (-0.006) 0.69ug/L m  
 response 6233

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 84.00 | 100    | 100    |
| 49.00 | 140.40 | 115.47 |
| 86.00 | 66.30  | 60.21  |
| 0.00  | 0.00   | 0.00   |

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 Misc : 4.82G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BF175

Manual Integrations  
 APPROVED

MMDadoda  
 4/11/2019 11:43:02 AM

Quant Time: Apr 07 05:13:01 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM040319S.M

Quant Title : VOC Analysis

QLast Update : Sun Apr 07 03:56:20 2019

Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 512223   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 483561   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 221408   | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 164030   | 24.47    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 97.88%  |
| 7) Chloroethane-d5             | 2.90   | 69    | 148830   | 24.24    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 96.96%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 286041   | 19.84    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 79.36%  |
| 20) 2-Butanone-d5              | 7.07   | 46    | 97578    | 44.84    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 89.68%  |
| 24) Chloroform-d               | 7.64   | 84    | 365581   | 26.16    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 104.64% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 221875   | 25.86    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 103.44% |
| 29) Benzene-d6                 | 8.27   | 84    | 706826   | 27.84    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 111.36% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 213770   | 27.26    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 109.04% |
| 37) Toluene-d8                 | 10.32  | 98    | 643148   | 27.40    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 109.60% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 89878    | 24.04    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 96.16%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 68826    | 46.57    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 93.14%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 165130   | 22.65    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 90.60%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 218013   | 28.06    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 112.24% |

#### Target Compounds

|                            |       |     |        |             | Qvalue |
|----------------------------|-------|-----|--------|-------------|--------|
| 13) Acetone                | 4.12  | 43  | 6129   | 2.628 ug/L  | 89     |
| 22) cis-1,2-Dichloroethene | 7.17  | 96  | 28347  | 3.746 ug/L  | 98     |
| 35) Trichloroethene        | 9.09  | 95  | 153645 | 20.180 ug/L | 100    |
| 47) Tetrachloroethene      | 10.86 | 164 | 121527 | 20.266 ug/L | 98     |

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

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