

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW040619\  
 Data File : VW009748.D  
 Acq On : 06 Apr 2019 01:09  
 Operator : SY/VA  
 Sample : K2277-05  
 Misc : 6.34G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BF167

Manual Integrations  
 APPROVED

MMDadoda  
 4/11/2019 11:42:48 AM

Quant Time: Apr 06 05:58:32 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM040319S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Apr 06 05:36:42 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 463452   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 403723   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 131506   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 146814   | 24.21    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 96.84%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 137187   | 24.69    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 98.76%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 249472m  | 19.13    | ug/L | -0.01   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 76.52%  |
| 20) 2-Butanone-d5              | 7.08   | 46    | 52769    | 26.80    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 53.60%  |
| 24) Chloroform-d               | 7.64   | 84    | 327889   | 25.93    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 103.72% |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 190961m  | 24.60    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 98.40%  |
| 29) Benzene-d6                 | 8.27   | 84    | 613590   | 28.95    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 115.80% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 186453   | 28.48    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 113.92% |
| 37) Toluene-d8                 | 10.32  | 98    | 532724   | 27.19    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 108.76% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 70084    | 22.45    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 89.80%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 40600    | 32.91    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 65.82%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 122101   | 20.06    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 80.24%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 117399   | 25.44    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 101.76% |

## Target Compounds

|                        |       |     |         |               | Qvalue |
|------------------------|-------|-----|---------|---------------|--------|
| 13) Acetone            | 4.12  | 43  | 4560    | 2.161 ug/L    | 100    |
| 16) Methylene chloride | 4.91  | 84  | 8723m   | 1.067 ug/L    |        |
| 47) Tetrachloroethene  | 10.86 | 164 | 5742495 | 1146.992 ug/L | 97     |

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

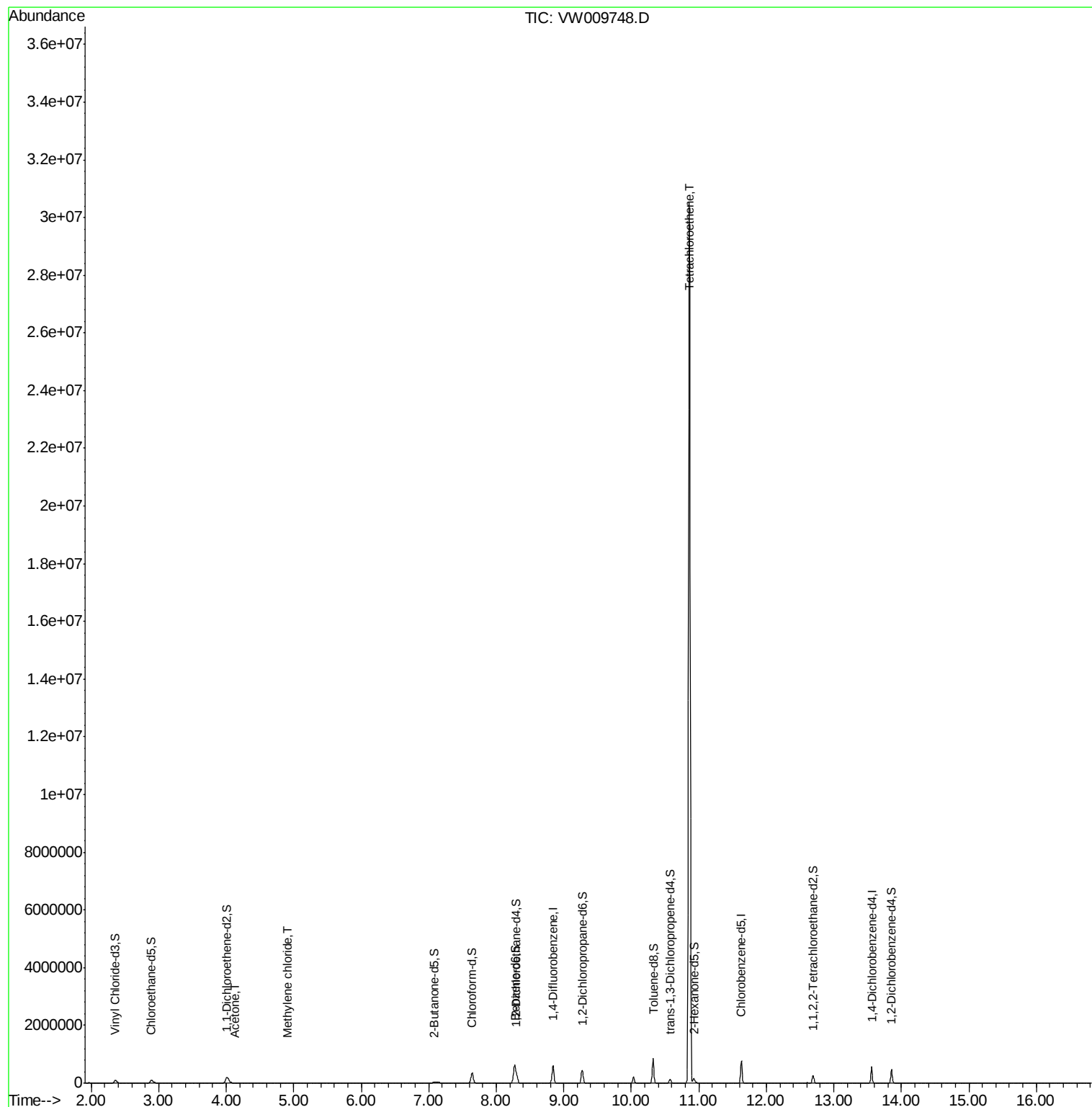
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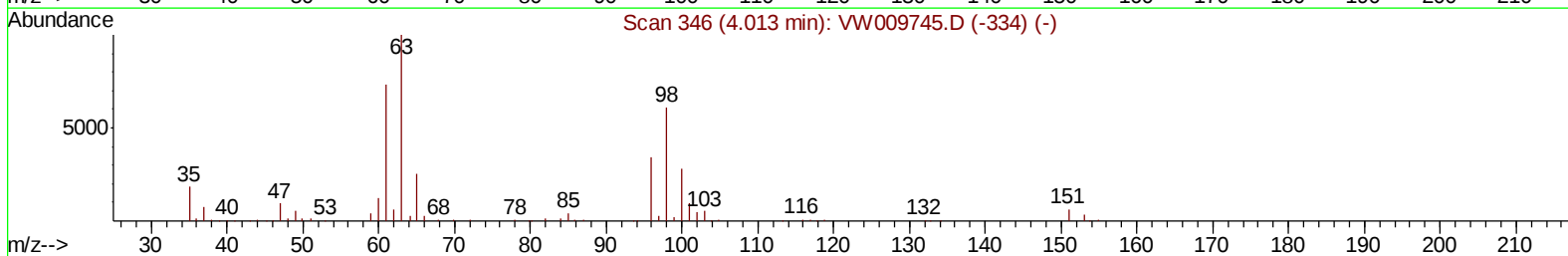
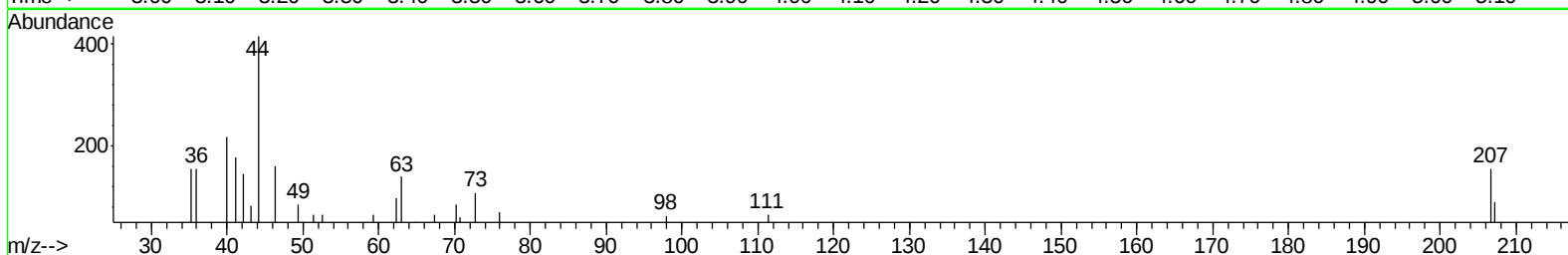
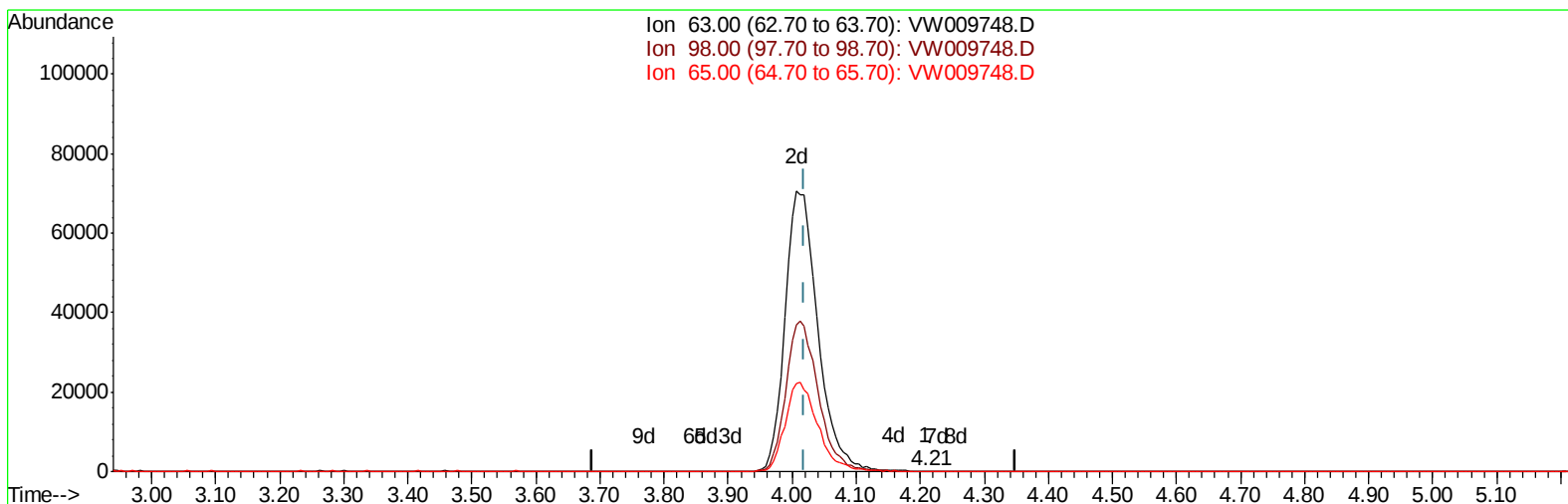
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TIC: VW009748.D

(10) 1,1-Dichloroethene-d2 (S)

4.208min (+0.189) 0.01ug/L

response 166

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 63.00 | 100   | 100   |
| 98.00 | 69.10 | 75.30 |
| 65.00 | 21.80 | 24.10 |
| 0.00  | 0.00  | 0.00  |

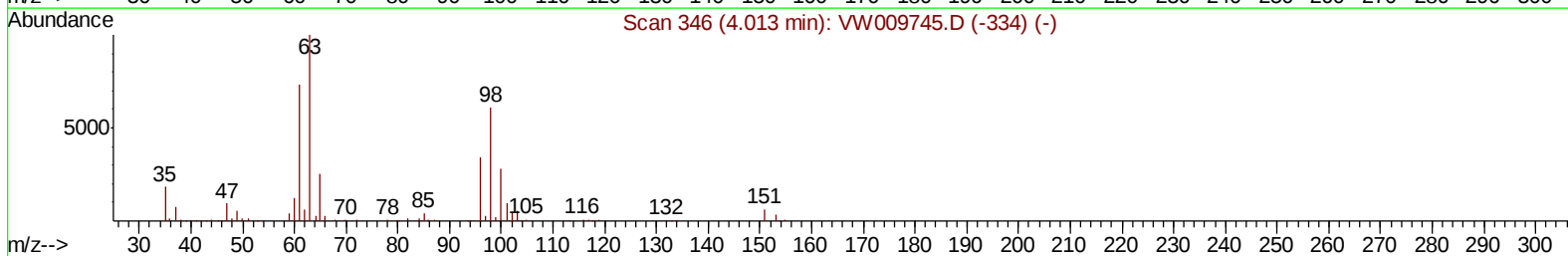
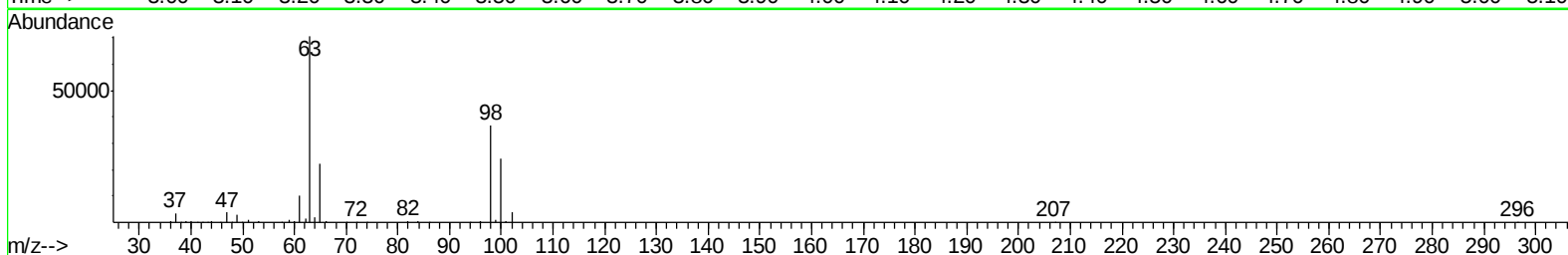
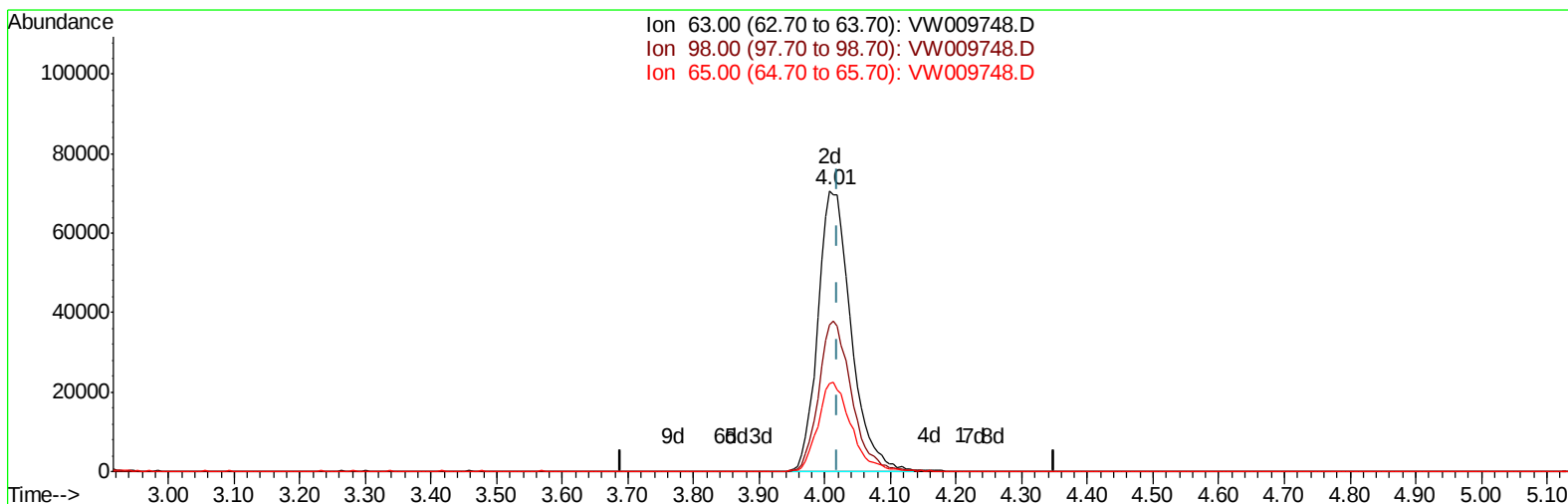
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TIC: VW009748.D

(10) 1,1-Dichloroethene-d2 (S)

4.007min (-0.012) 19.13ug/L m

response 249472

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 63.00 | 100   | 100   |
| 98.00 | 69.10 | 0.05# |
| 65.00 | 21.80 | 0.02# |
| 0.00  | 0.00  | 0.00  |

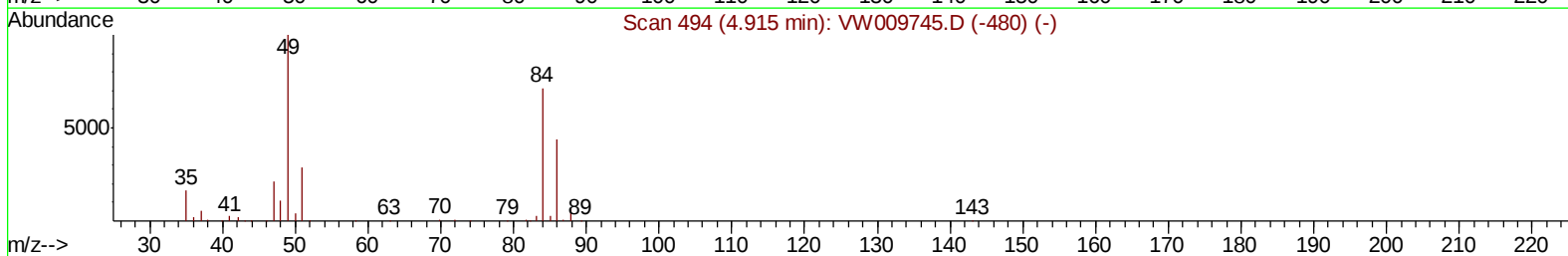
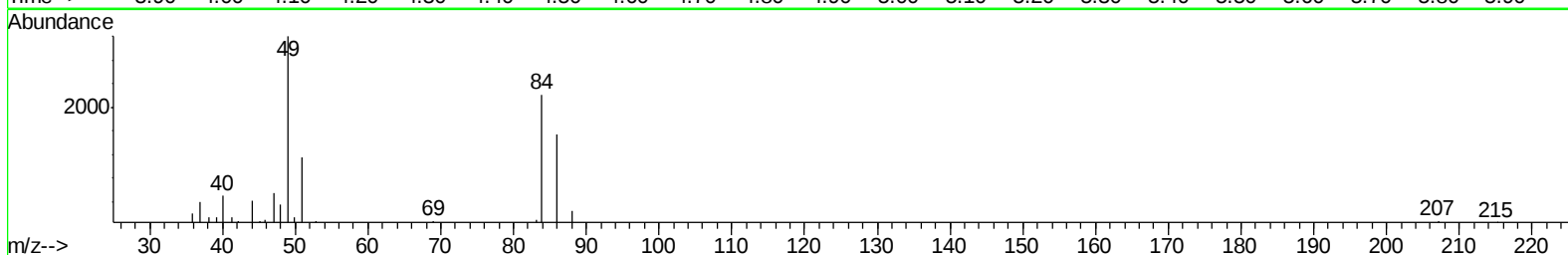
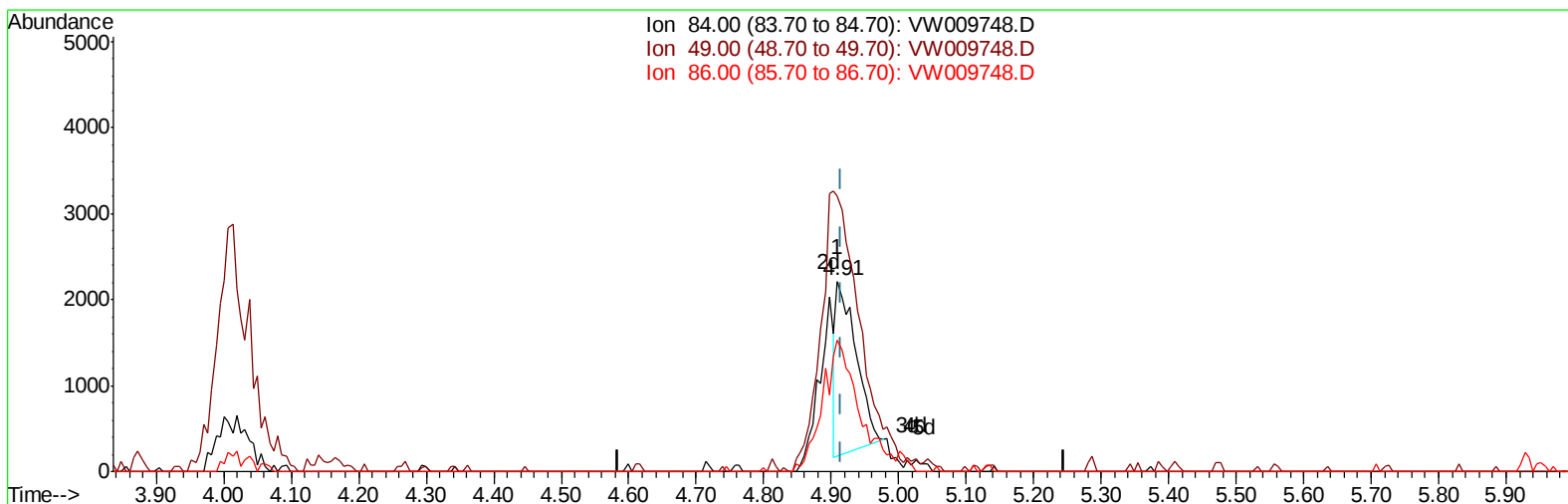
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TIC: VW009748.D

(16) Methylene chloride (T)

4.909min (-0.006) 0.51ug/L

response 4158

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 84.00 | 100    | 100    |
| 49.00 | 140.40 | 144.69 |
| 86.00 | 66.30  | 69.32  |
| 0.00  | 0.00   | 0.00   |

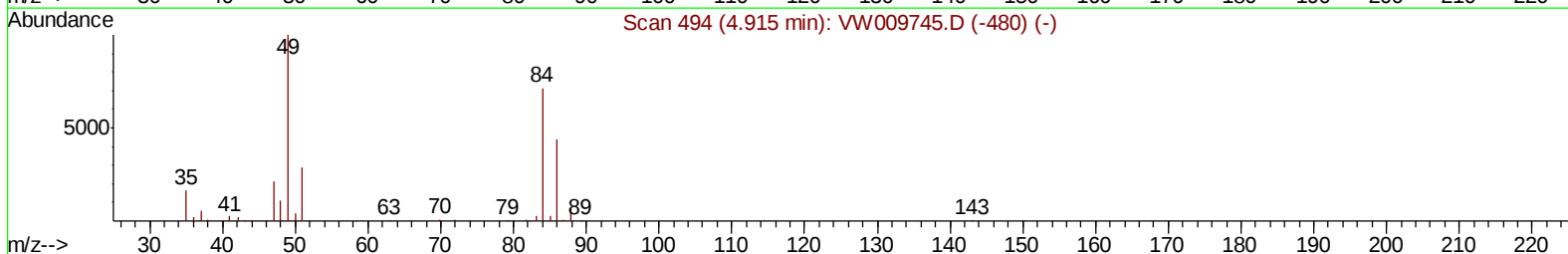
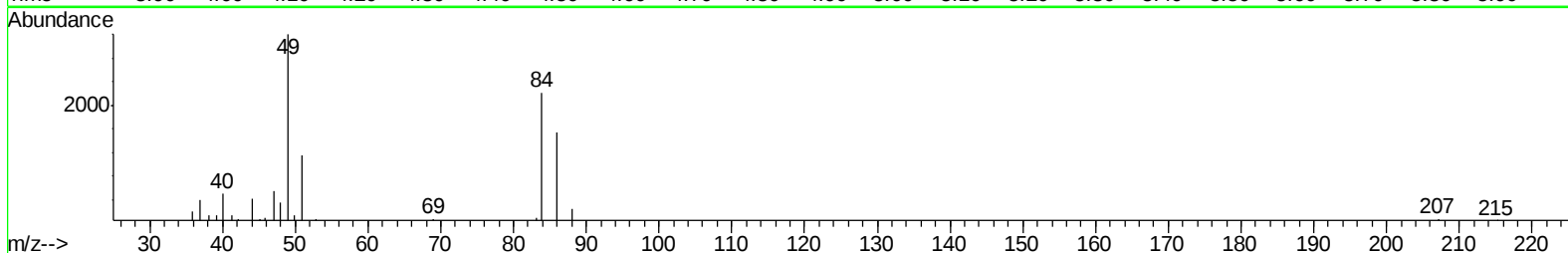
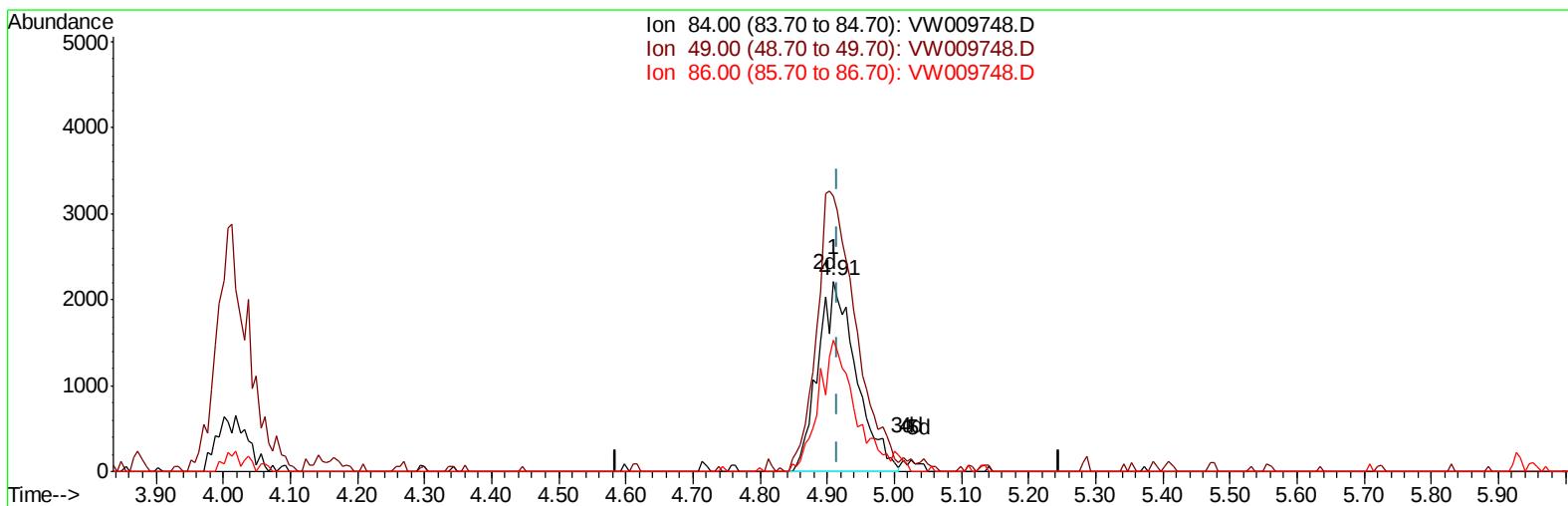
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TIC: VW009748.D

(16) Methylene chloride (T)

4.909min (-0.006) 1.07ug/L m

response 8723

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 84.00 | 100    | 100    |
| 49.00 | 140.40 | 144.69 |
| 86.00 | 66.30  | 69.32  |
| 0.00  | 0.00   | 0.00   |

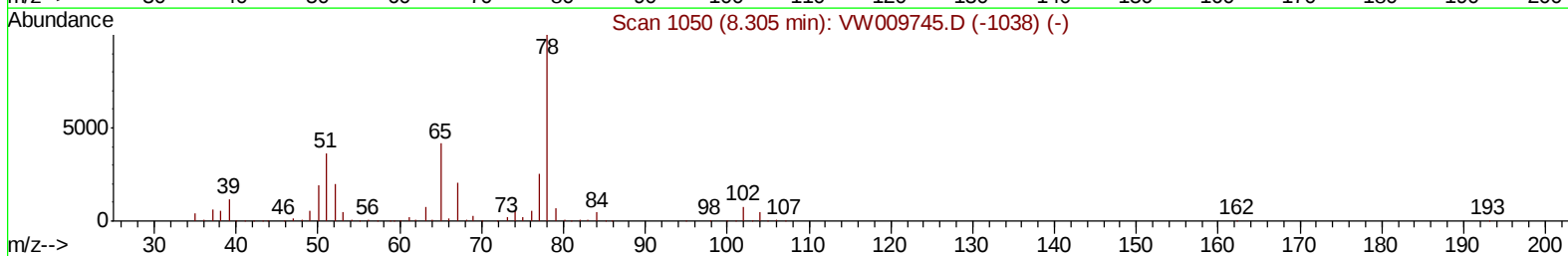
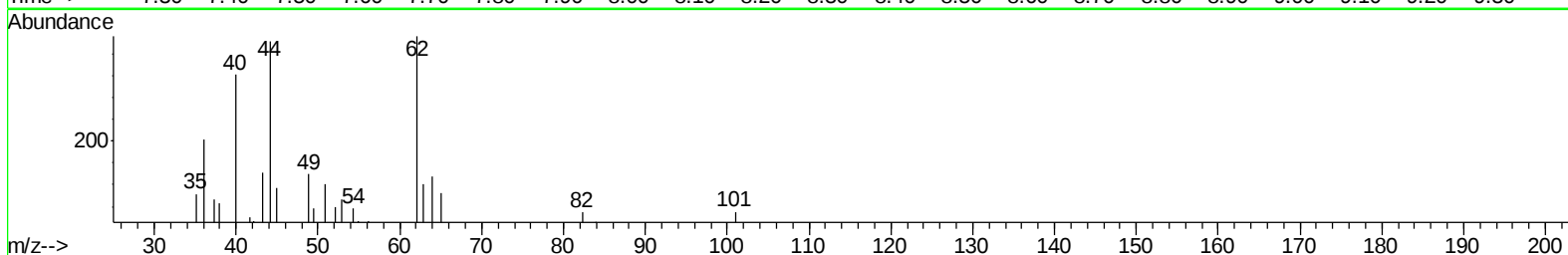
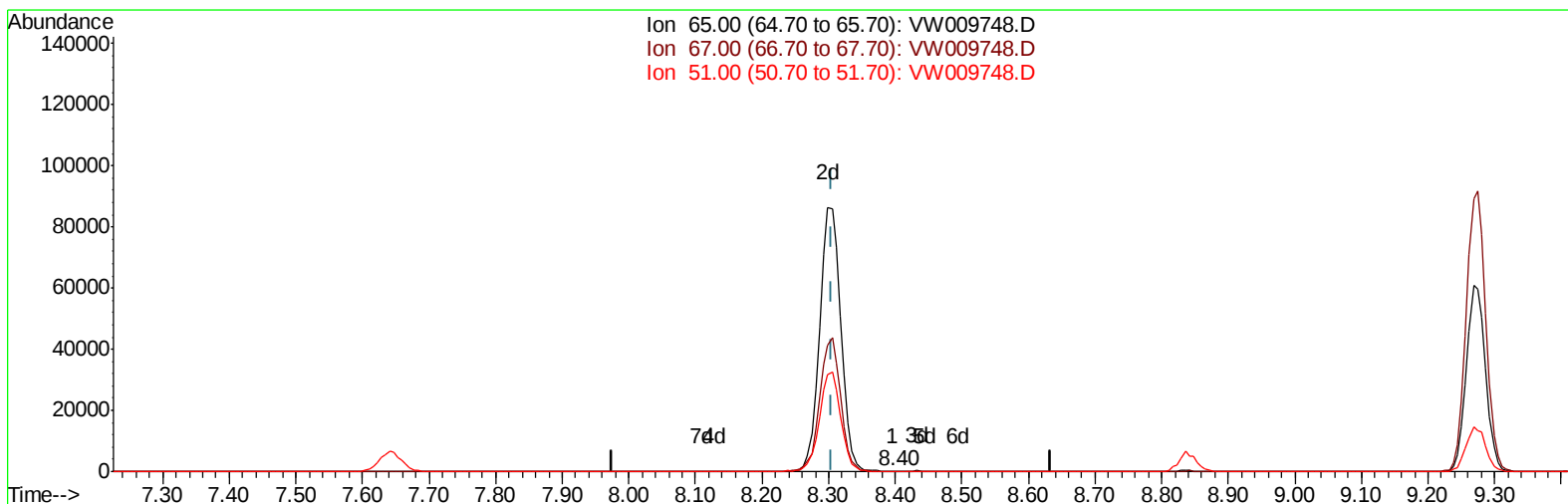
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TIC: VW009748.D

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

8.396min (+0.092) 0.02ug/L

response 150

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 65.00 | 100    | 100    |
| 67.00 | 50.90  | 42.00  |
| 51.00 | 109.90 | 120.00 |
| 0.00  | 0.00   | 0.00   |

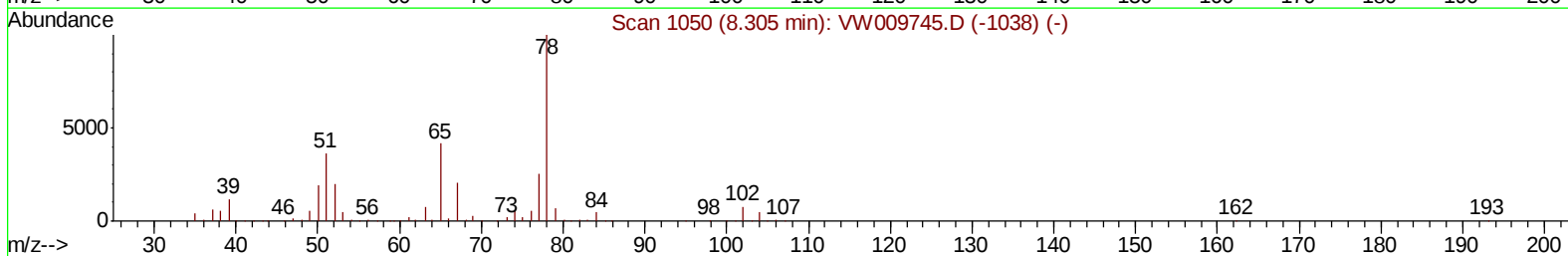
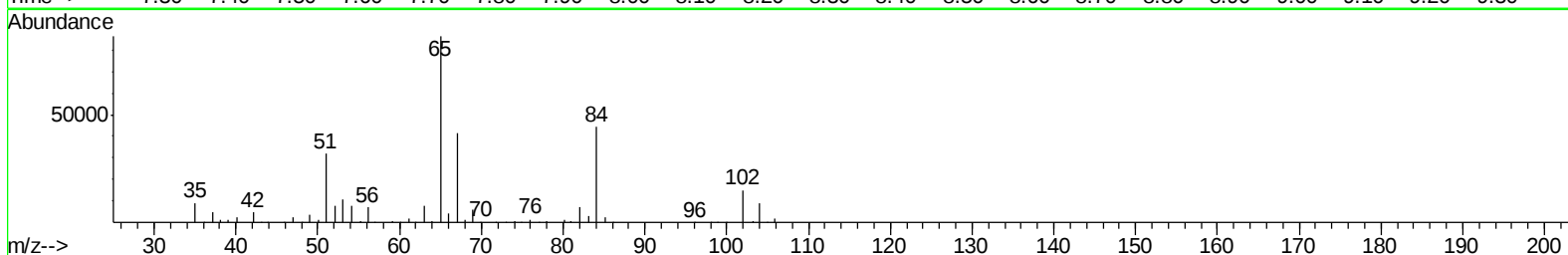
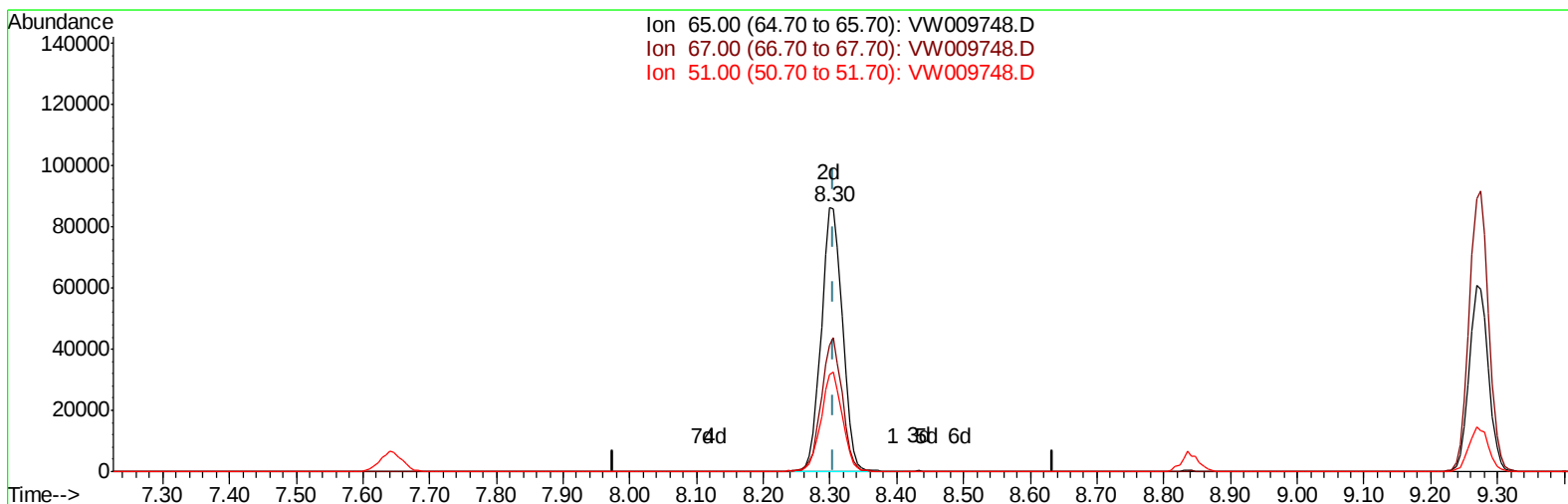
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TIC: VW009748.D

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

8.299min (-0.006) 24.60ug/L m

response 190961

| Ion   | Exp%   | Act%  |
|-------|--------|-------|
| 65.00 | 100    | 100   |
| 67.00 | 50.90  | 0.03# |
| 51.00 | 109.90 | 0.09# |
| 0.00  | 0.00   | 0.00  |