

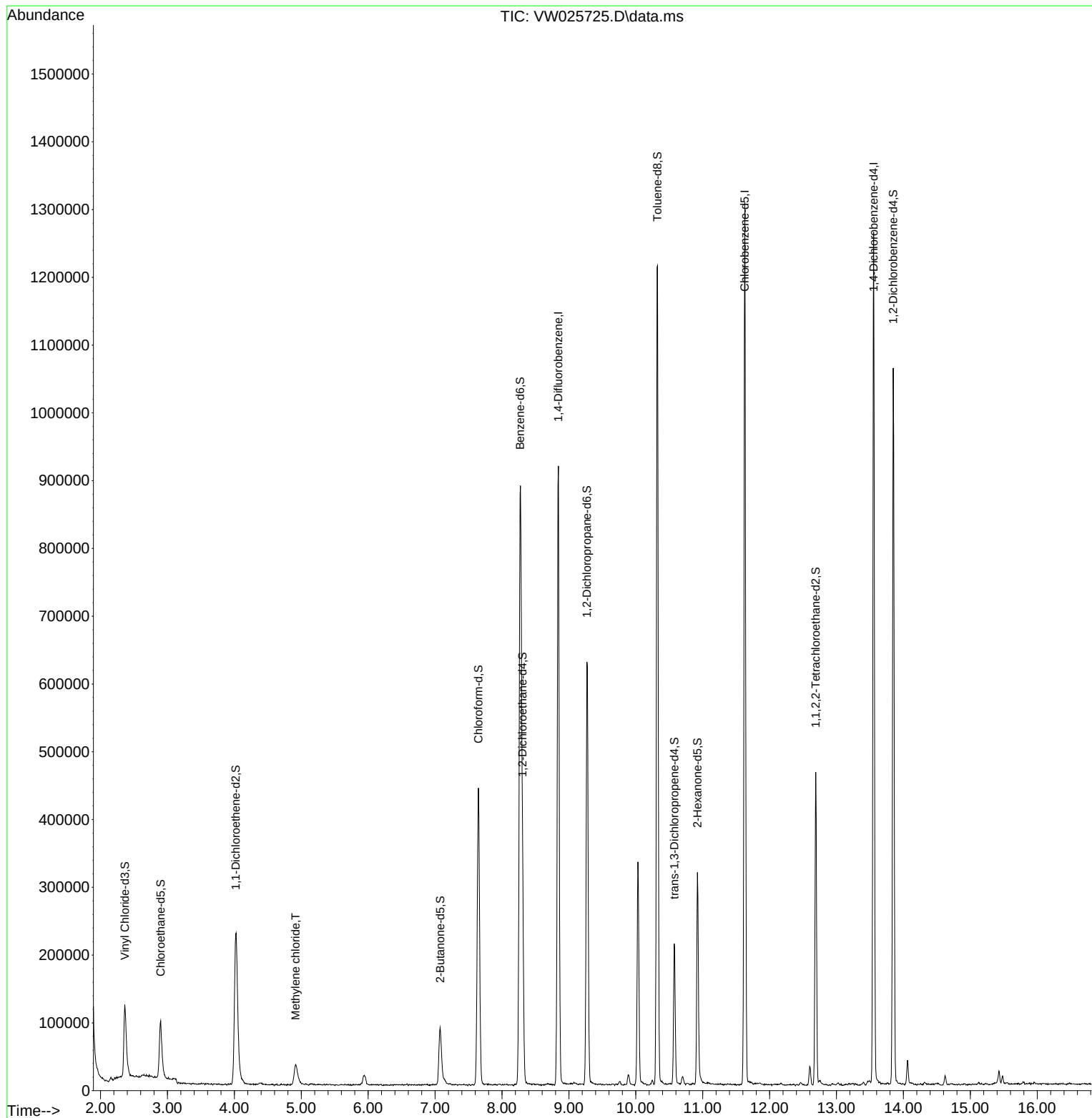
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW042723\  
Data File : VW025725.D  
Acq On : 27 Apr 2023 14:45  
Operator : SY/MD  
Sample : 02479-19  
Misc : 5.07g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VHBLK002

## Manual IntegrationsAPPROVED

Quant Time: Apr 28 03:01:22 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM042723SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri Apr 28 02:55:08 2023  
Response via : Initial Calibration

Reviewed By :Semsettin Yesilyurt 04/28/2023  
Supervised By :Mahesh Dadoda 05/01/2023



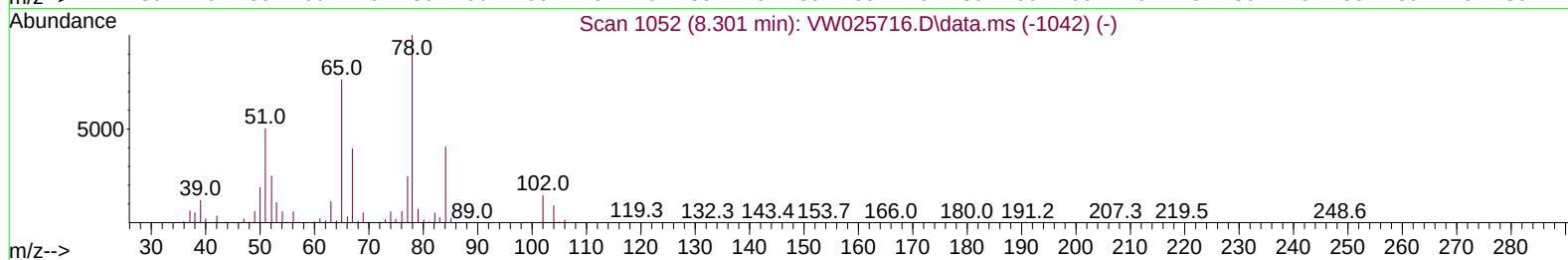
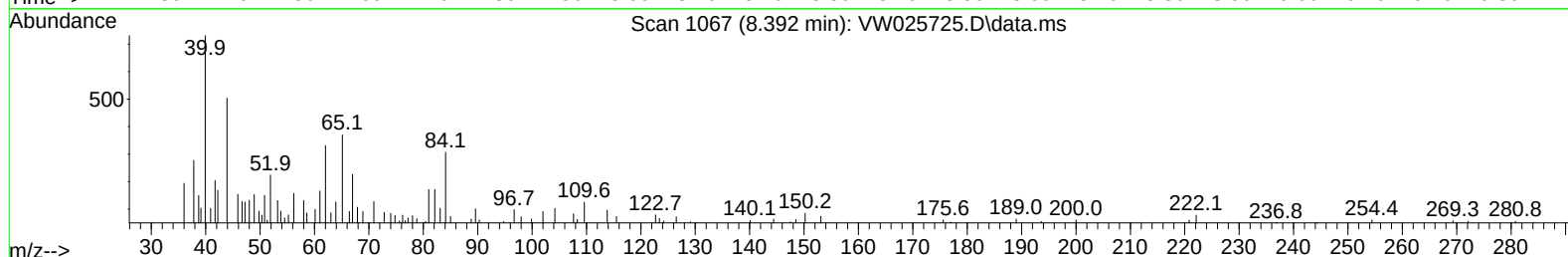
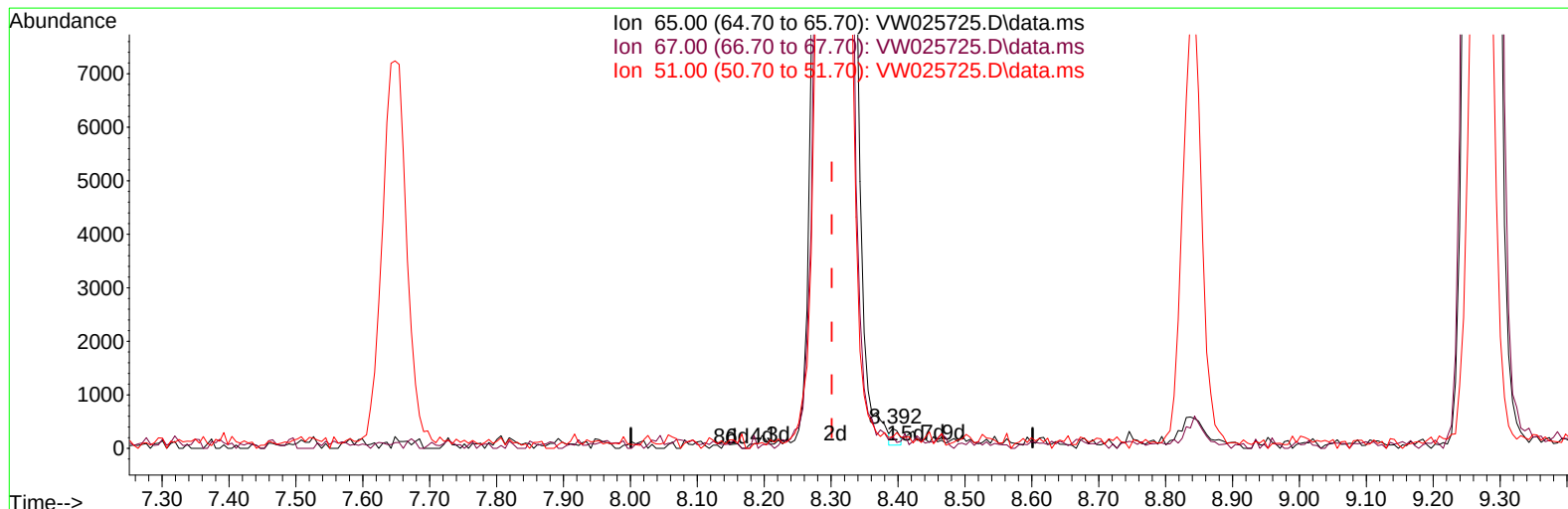
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TIC: VW025725.D\data.ms

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

**8.392min (+ 0.091) 0.02 ug/L**

**response 258**

| <b>Ion</b>   | <b>Exp%</b>   | <b>Act%</b>   |
|--------------|---------------|---------------|
| <b>65.00</b> | <b>100.00</b> | <b>100.00</b> |
| <b>67.00</b> | <b>53.40</b>  | <b>47.67</b>  |
| <b>51.00</b> | <b>121.60</b> | <b>120.54</b> |
| <b>0.00</b>  | <b>0.00</b>   | <b>0.00</b>   |

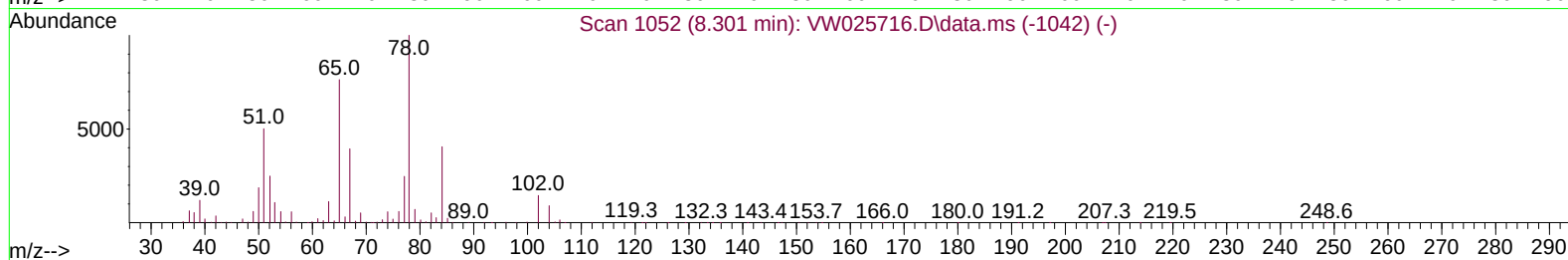
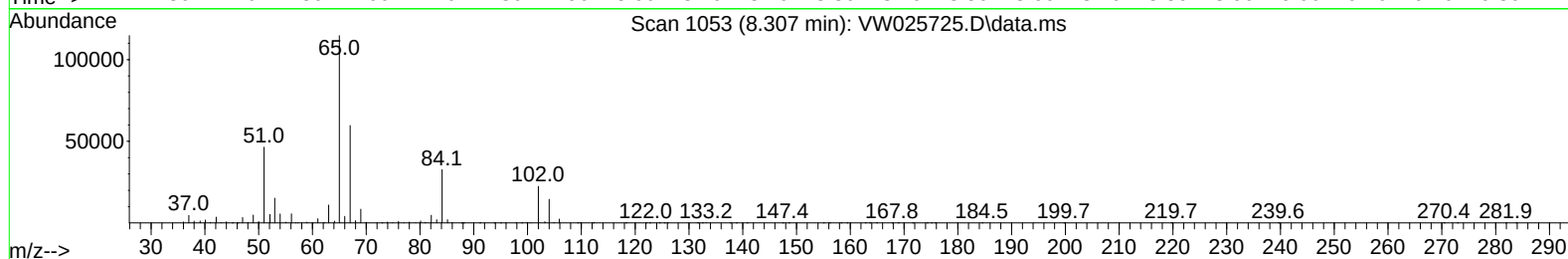
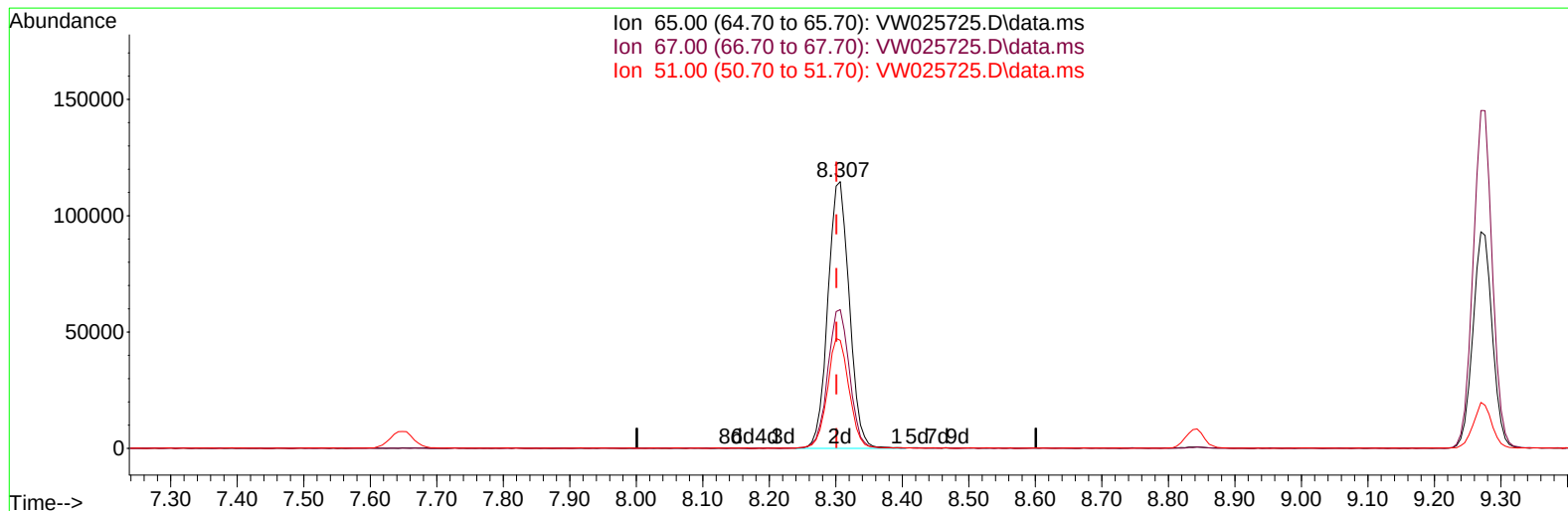
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TIC: VW025725.D\data.ms

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

8.307min (+ 0.006) 24.79 ug/L m

response 257019

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 65.00 | 100.00 | 100.00 |
| 67.00 | 53.40  | 0.05#  |
| 51.00 | 121.60 | 0.12#  |
| 0.00  | 0.00   | 0.00   |

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 MSVOA\_W  
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| Compound                      | R.T.           | QIon | Response   | Conc     | Units | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|-------|----------|
| -----                         |                |      |            |          |       |          |
| Internal Standards            |                |      |            |          |       |          |
| 1) 1,4-Difluorobenzene        | 8.843          | 114  | 709055     | 25.000   | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 11.629         | 117  | 657317     | 25.000   | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556         | 152  | 300819     | 25.000   | ug/L  | 0.00     |
|                               |                |      |            |          |       |          |
| System Monitoring Compounds   |                |      |            |          |       |          |
| 4) Vinyl Chloride-d3          | 2.363          | 65   | 181752     | 21.013   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 84.040%  |       |          |
| 7) Chloroethane-d5            | 2.899          | 69   | 133481     | 21.525   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 86.080%  |       |          |
| 11) 1,1-Dichloroethene-d2     | 4.021          | 63   | 298173     | 15.120   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 45 - 110 |      | Recovery = | 60.480%  |       |          |
| 21) 2-Butanone-d5             | 7.075          | 46   | 154193     | 54.023   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 108.040% |       |          |
| 24) Chloroform-d              | 7.648          | 84   | 436529     | 22.949   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 40 - 150 |      | Recovery = | 91.800%  |       |          |
| 26) 1,2-Dichloroethane-d4     | 8.307          | 65   | 257019m    | 24.785   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = | 99.160%  |       |          |
| 32) Benzene-d6                | 8.270          | 84   | 890130     | 22.305   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 20 - 135 |      | Recovery = | 89.240%  |       |          |
| 36) 1,2-Dichloropropane-d6    | 9.270          | 67   | 292913     | 22.692   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 70 - 120 |      | Recovery = | 90.760%  |       |          |
| 41) Toluene-d8                | 10.325         | 98   | 786918     | 22.306   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 130 |      | Recovery = | 89.240%  |       |          |
| 43) trans-1,3-Dichloroprop... | 10.575         | 79   | 111222     | 22.111   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 135 |      | Recovery = | 88.440%  |       |          |
| 47) 2-Hexanone-d5             | 10.922         | 63   | 103878     | 51.814   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 103.620% |       |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690         | 84   | 231953     | 24.382   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 45 - 120 |      | Recovery = | 97.520%  |       |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.848         | 152  | 254273     | 24.672   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 75 - 120 |      | Recovery = | 98.680%  |       |          |
|                               |                |      |            |          |       |          |
| Target Compounds              |                |      |            |          |       | Qvalue   |
| 16) Methylene chloride        | 4.917          | 84   | 26503      | 1.979    | ug/L  | 100      |
| -----                         |                |      |            |          |       |          |

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