

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW100722\  
 Data File : VW024778.D  
 Acq On : 07 Oct 2022 12:03  
 Operator : SY/VA  
 Sample : N4973-13RE  
 Misc : 5.68g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 EY1A0

## Manual IntegrationsAPPROVED

Reviewed By :Semsettin Yesilyurt 10/09/2022  
 Supervised By :Mahesh Dadoda 10/10/2022

Quant Time: Oct 07 23:18:40 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM092622SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Oct 07 03:04:02 2022  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc     | Units | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|-------|----------|
| -----                         |                |      |            |          |       |          |
| Internal Standards            |                |      |            |          |       |          |
| 1) 1,4-Difluorobenzene        | 8.841          | 114  | 613772     | 25.000   | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 11.633         | 117  | 551751     | 25.000   | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.554         | 152  | 265998     | 25.000   | ug/L  | 0.00     |
|                               |                |      |            |          |       |          |
| System Monitoring Compounds   |                |      |            |          |       |          |
| 4) Vinyl Chloride-d3          | 2.355          | 65   | 75802      | 11.804   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 47.200%  |       |          |
| 7) Chloroethane-d5            | 2.891          | 69   | 52536      | 14.078   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 56.320%  |       |          |
| 11) 1,1-Dichloroethene-d2     | 4.019          | 63   | 116378     | 7.830    | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 45 - 110 |      | Recovery = | 31.320%# |       |          |
| 21) 2-Butanone-d5             | 7.079          | 46   | 119508     | 51.763   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 103.520% |       |          |
| 24) Chloroform-d              | 7.652          | 84   | 291415     | 17.760   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 40 - 150 |      | Recovery = | 71.040%  |       |          |
| 26) 1,2-Dichloroethane-d4     | 8.305          | 65   | 154877m    | 18.195   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = | 72.800%  |       |          |
| 32) Benzene-d6                | 8.274          | 84   | 482559     | 13.683   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 20 - 135 |      | Recovery = | 54.720%  |       |          |
| 36) 1,2-Dichloropropane-d6    | 9.274          | 67   | 184373     | 17.111   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 70 - 120 |      | Recovery = | 68.440%# |       |          |
| 41) Toluene-d8                | 10.323         | 98   | 366339     | 11.623   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 130 |      | Recovery = | 46.480%  |       |          |
| 43) trans-1,3-Dichloroprop... | 10.579         | 79   | 61447      | 12.806   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 135 |      | Recovery = | 51.240%  |       |          |
| 47) 2-Hexanone-d5             | 10.926         | 63   | 86361      | 46.844   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 93.680%  |       |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.688         | 84   | 183416     | 23.890   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 45 - 120 |      | Recovery = | 95.560%  |       |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.853         | 152  | 156831     | 16.755   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 75 - 120 |      | Recovery = | 67.040%# |       |          |
|                               |                |      |            |          |       |          |
| Target Compounds              |                |      |            |          |       | Qvalue   |
| 46) Tetrachloroethene         | 10.859         | 164  | 10785      | 1.622    | ug/L  | 92       |
| -----                         |                |      |            |          |       |          |

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

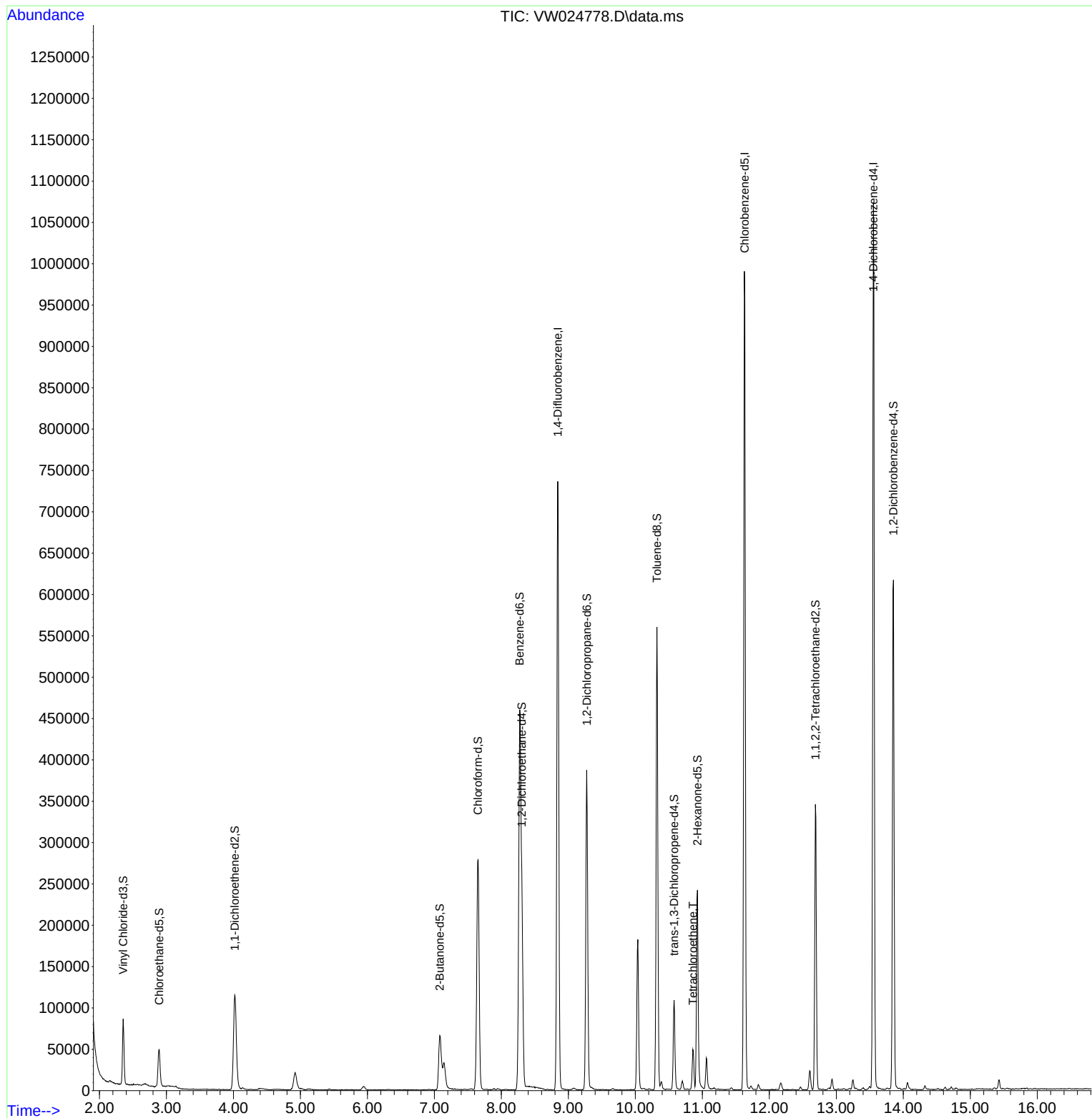
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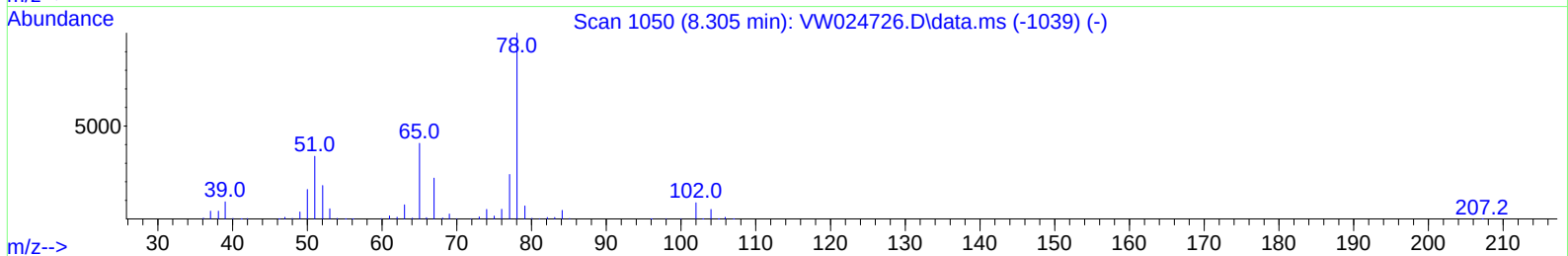
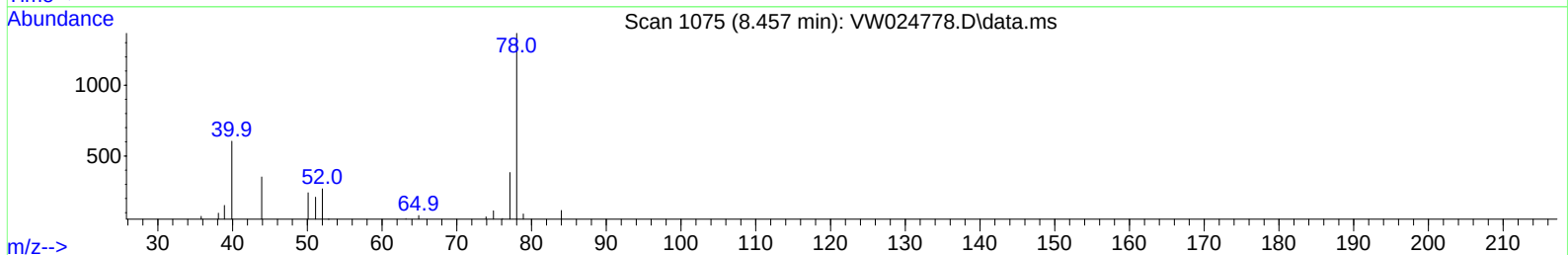
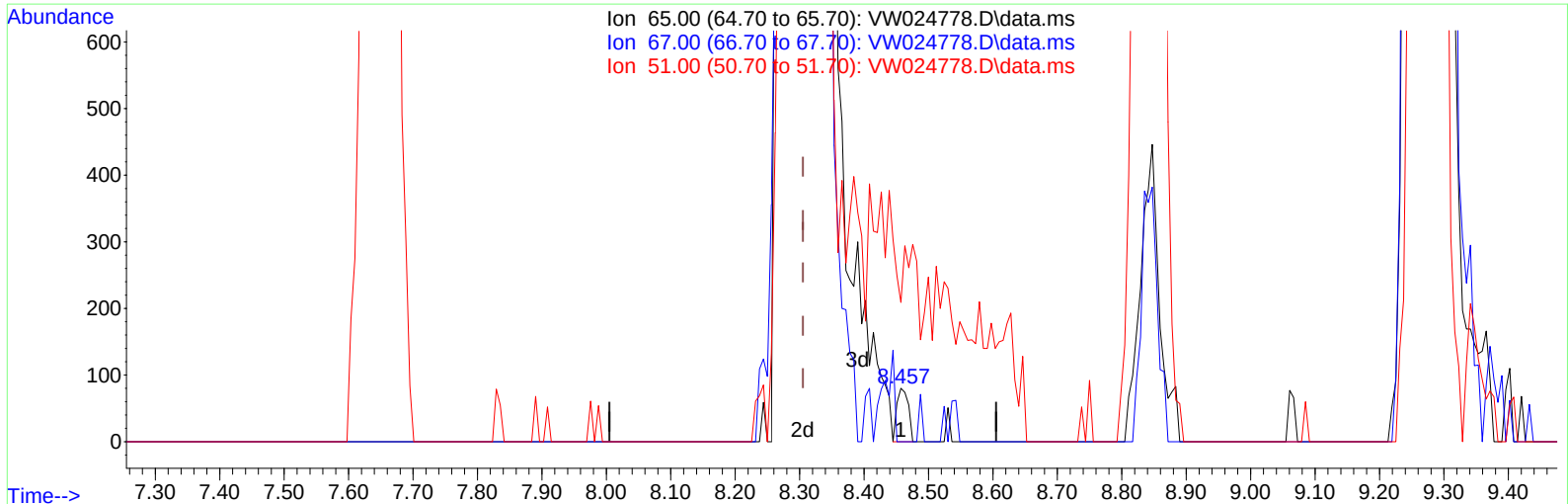
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TIC: VW024778.D\data.ms

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

8.457min (+ 0.152) 0.01 ug/L

| response | 98     |        |
|----------|--------|--------|
| Ion      | Exp%   | Act%   |
| 65.00    | 100.00 | 100.00 |
| 67.00    | 53.90  | 51.02  |
| 51.00    | 118.70 | 125.51 |
| 0.00     | 0.00   | 0.00   |

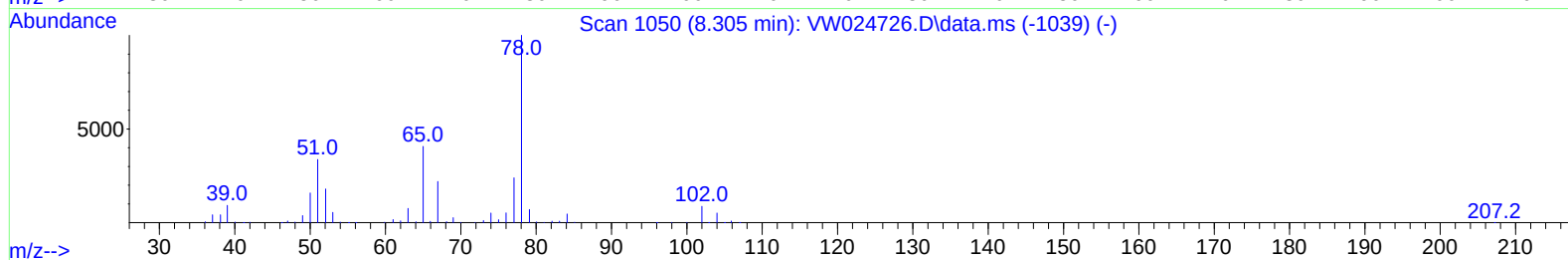
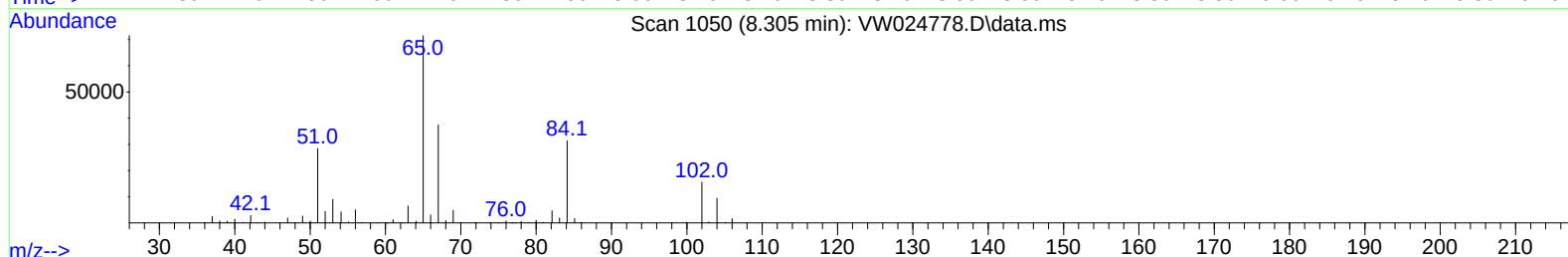
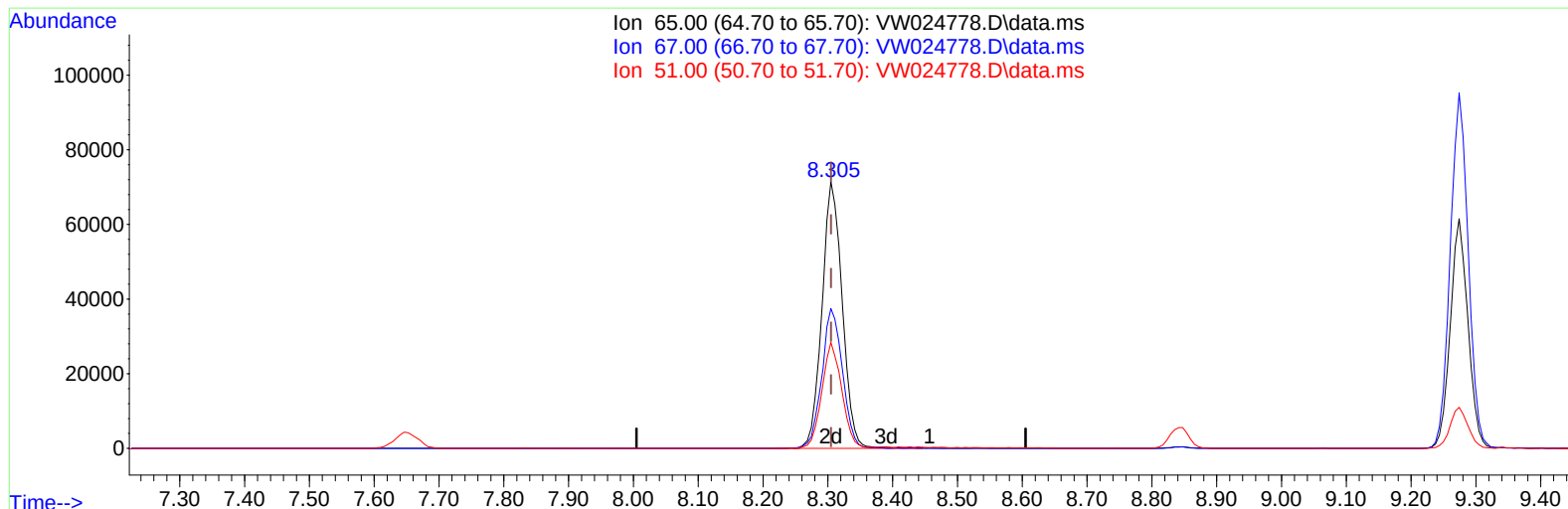
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## (26) 1,2-Dichloroethane-d4 (S)

8.305min (-0.000) 18.20 ug/L m

response 154877

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 65.00 | 100.00 | 100.00 |
| 67.00 | 53.90  | 0.03#  |
| 51.00 | 118.70 | 0.08#  |
| 0.00  | 0.00   | 0.00   |