

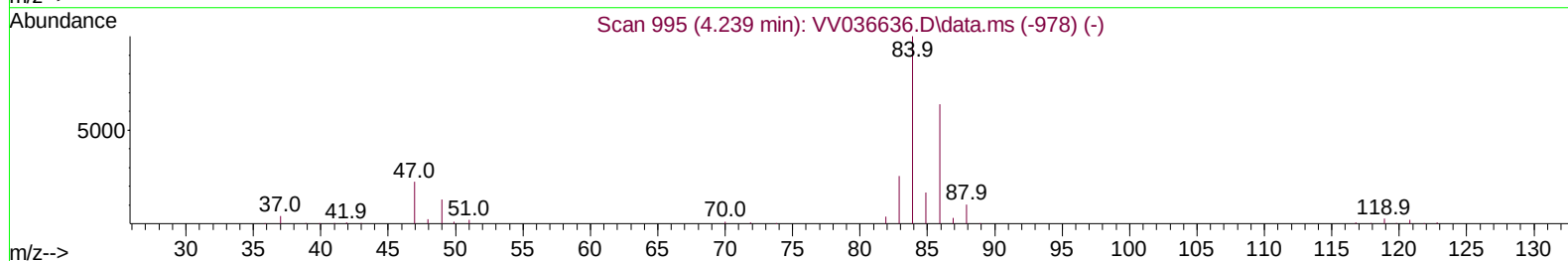
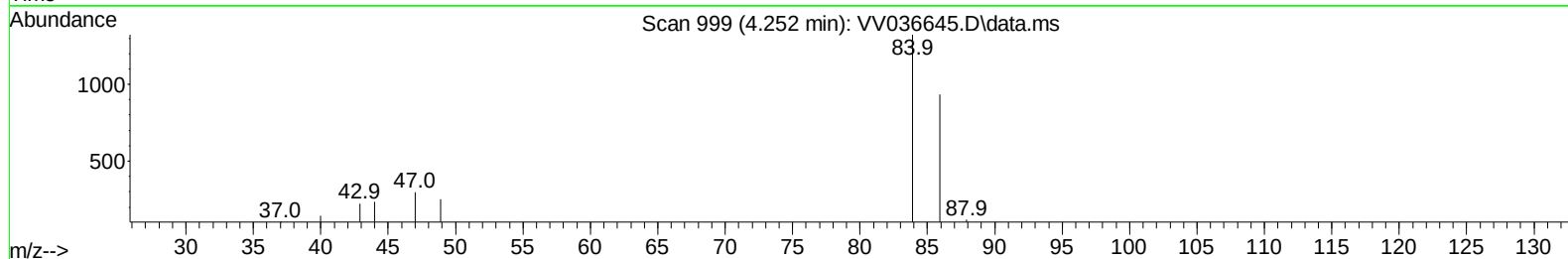
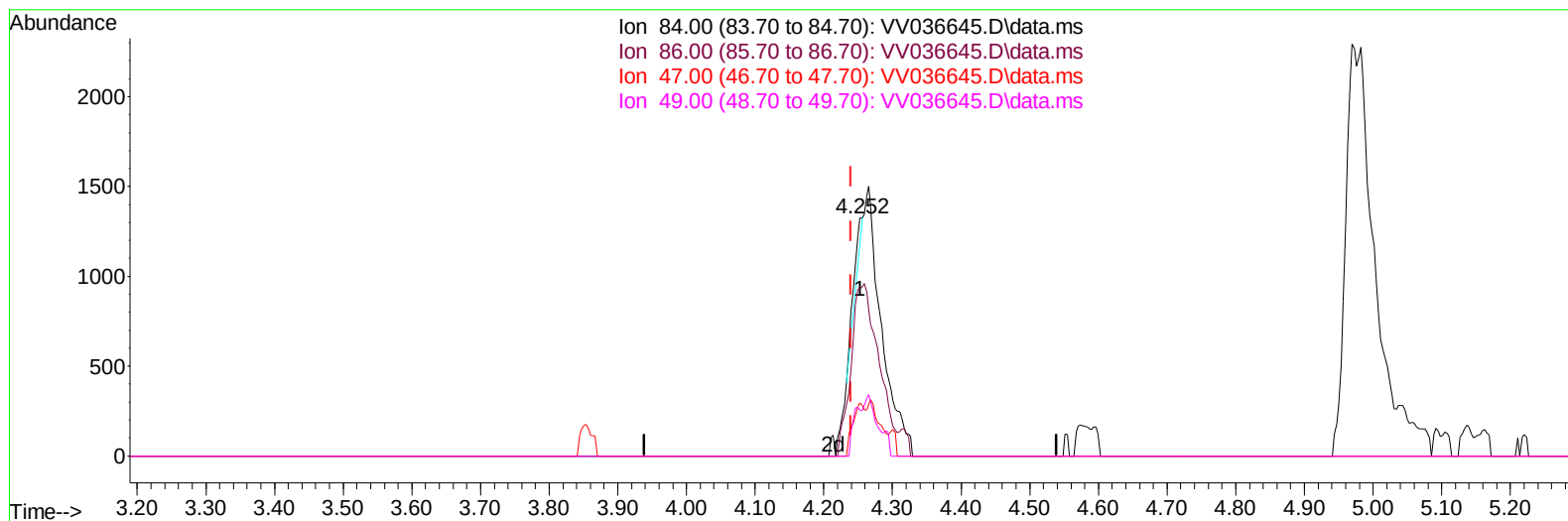
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV072324\  
 Data File : VV036645.D  
 Acq On : 23 Jul 2024 14:44  
 Operator : SY/MD  
 Sample : P3328-07  
 Misc : 7.86g/10.0mL/MSVOA\_V/SOIL/A  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 E1ZW2

Manual IntegrationsAPPROVED

Quant Time: Jul 24 01:00:35 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM072224SMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Jul 24 00:57:38 2024  
 Response via : Initial Calibration

Reviewed By :Romaben Patel 07/24/2024  
 Supervised By :Mahesh Dadoda 07/25/2024



TIC: VV036645.D\data.ms

(24) Chloroform-d (S)

4.252min (+ 0.013) 0.03 ug/L

response 315

| Ion   | Exp%   | Act%    |
|-------|--------|---------|
| 84.00 | 100.00 | 100.00  |
| 86.00 | 62.40  | 0.00#   |
| 47.00 | 40.50  | 110.48# |
| 49.00 | 23.30  | 69.21#  |

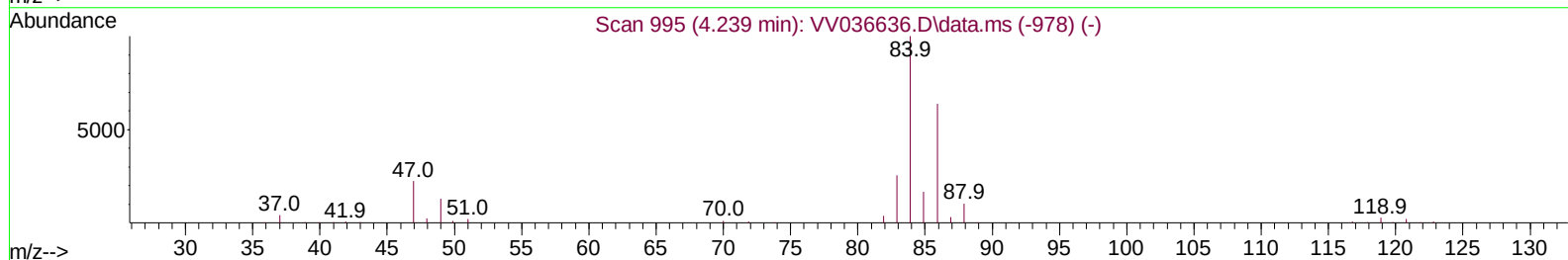
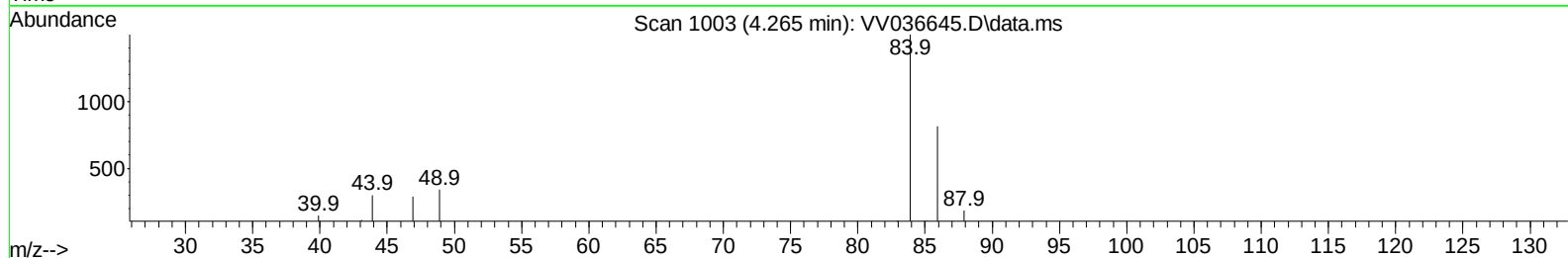
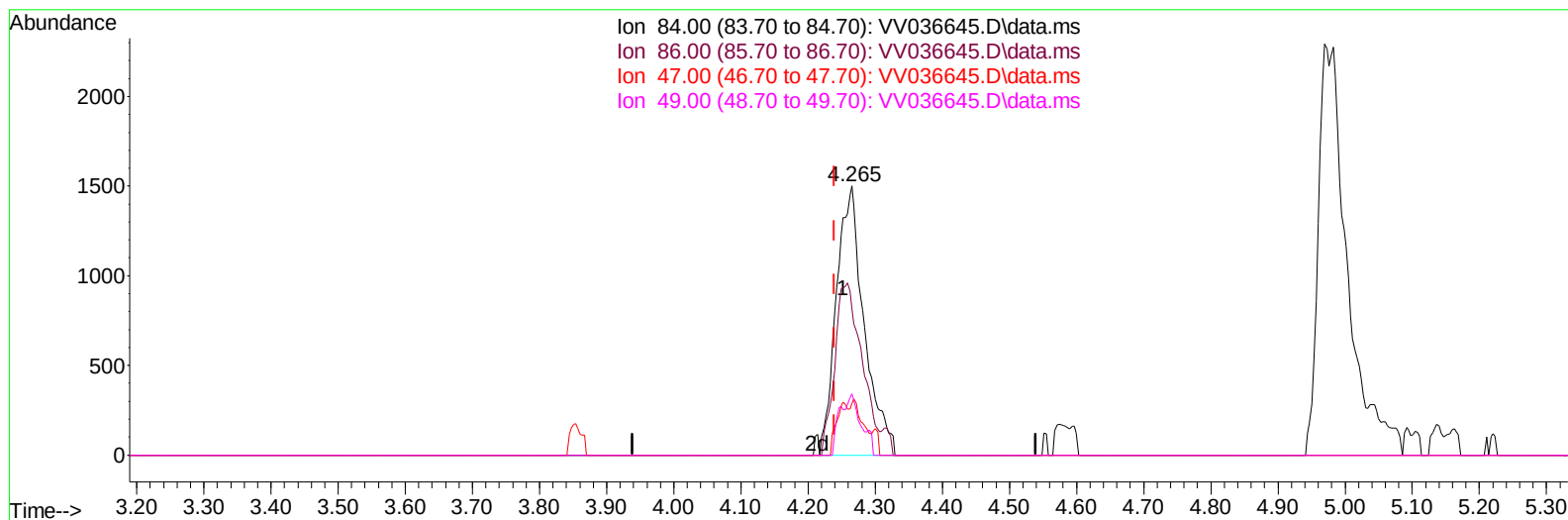
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Instrument :  
MSVOA\_V  
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Manual IntegrationsAPPROVED

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TIC: VV036645.D\data.ms

(24) Chloroform-d (S)

4.265min (+ 0.026) 0.35 ug/L m

response 4305

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 84.00 | 100.00 | 100.00 |
| 86.00 | 62.40  | 0.00#  |
| 47.00 | 40.50  | 8.08#  |
| 49.00 | 23.30  | 5.06#  |

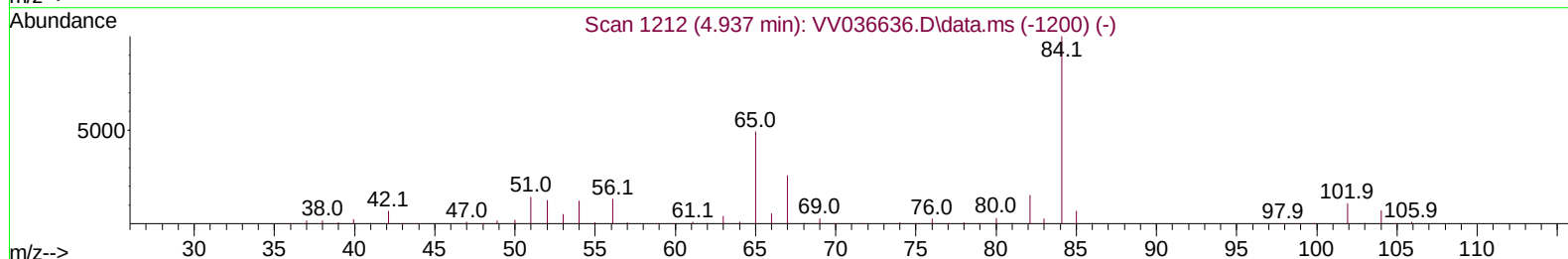
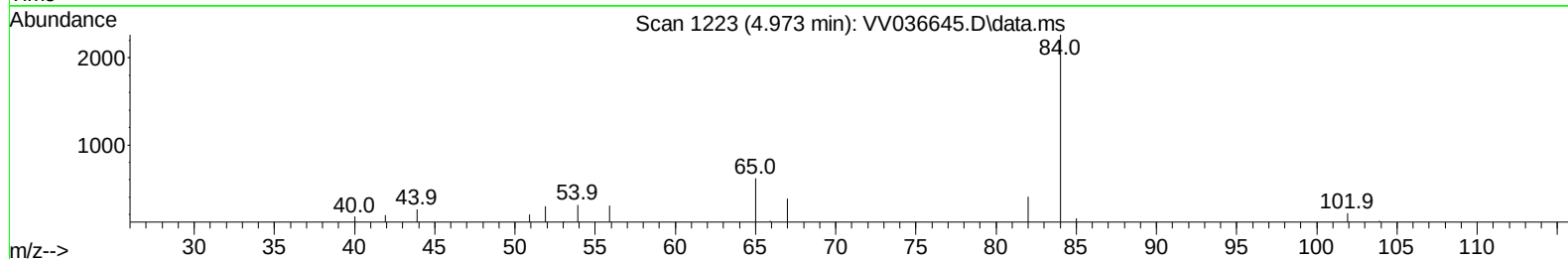
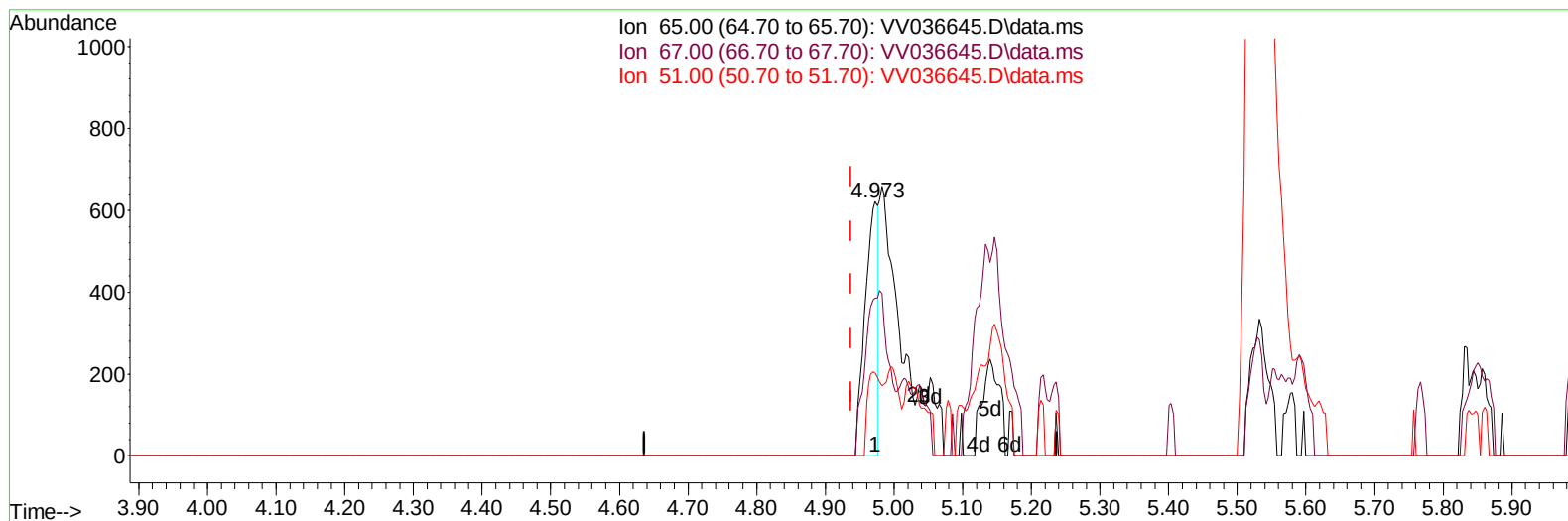
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV072324\  
Data File : VV036645.D  
Acq On : 23 Jul 2024 14:44  
Operator : SY/MD  
Sample : P3328-07  
Misc : 7.86g/10.0mL/MSVOA\_V/SOIL/A  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
E1ZW2

## Manual IntegrationsAPPROVED

Reviewed By :Romaben Patel 07/24/2024  
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TIC: VV036645.D\data.ms

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

4.973min (+ 0.036) 0.13 ug/L

response 808

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 65.00 | 100.00 | 100.00 |
| 67.00 | 53.00  | 0.00#  |
| 51.00 | 29.20  | 34.78  |
| 0.00  | 0.00   | 0.00   |

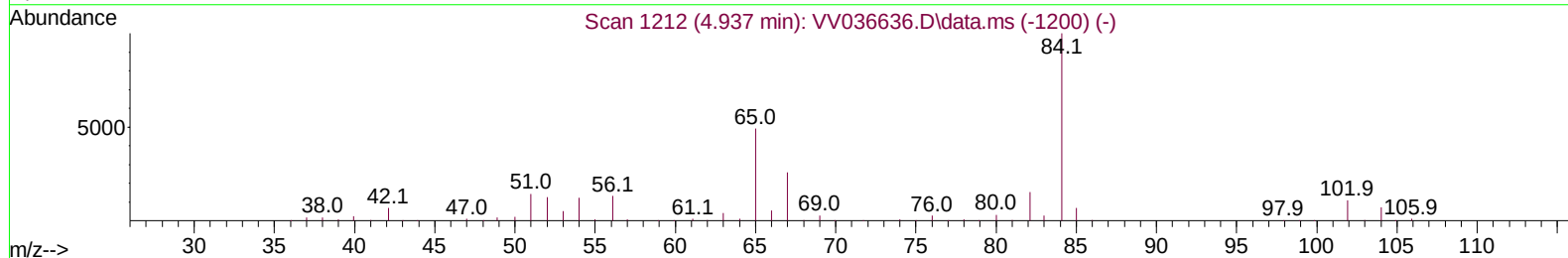
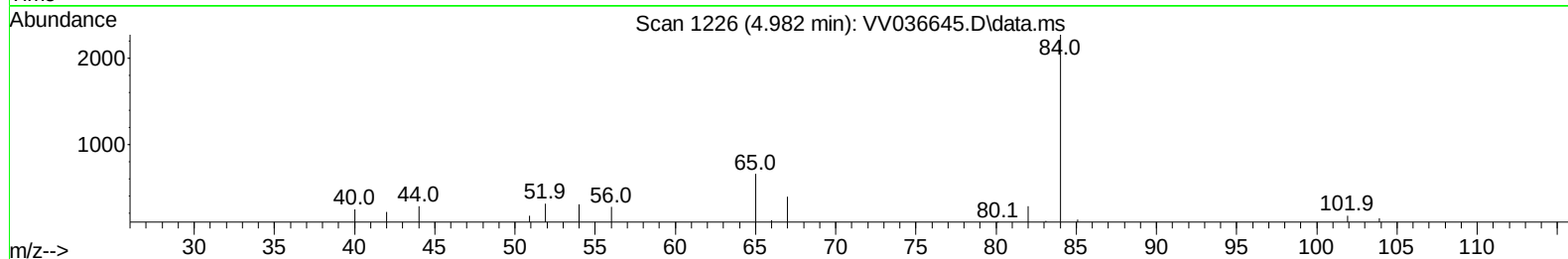
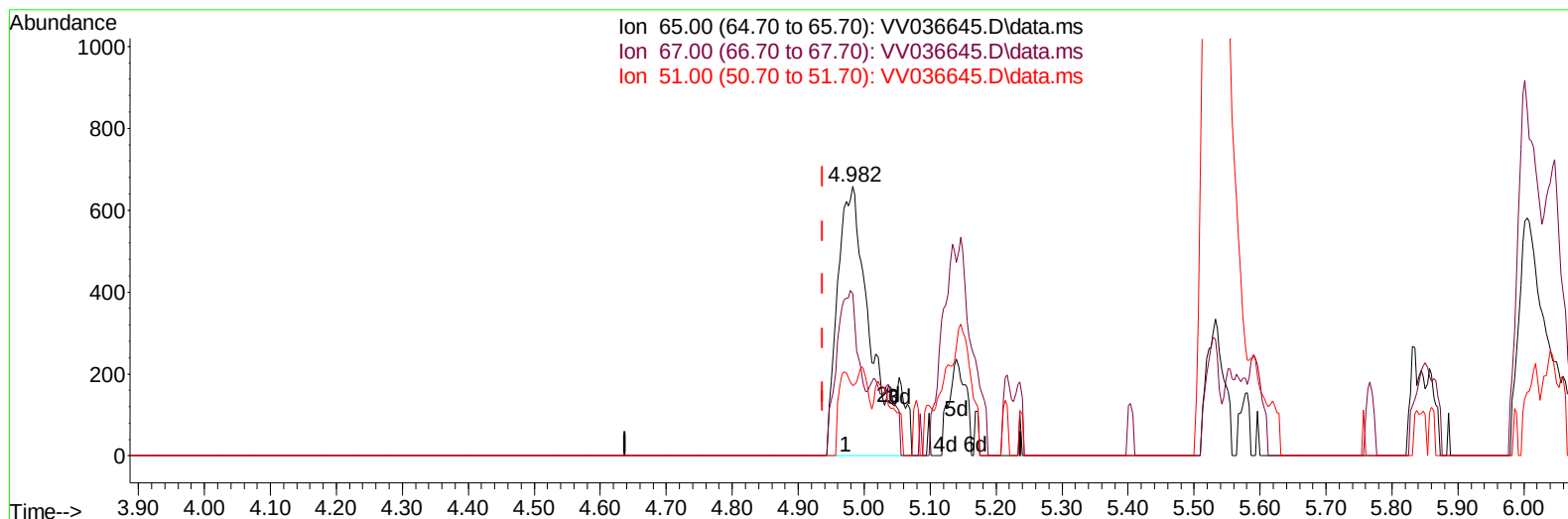
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Data File : VV036645.D  
Acq On : 23 Jul 2024 14:44  
Operator : SY/MD  
Sample : P3328-07  
Misc : 7.86g/10.0mL/MSVOA\_V/SOIL/A  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
E1ZW2

## Manual IntegrationsAPPROVED

Reviewed By :Romaben Patel 07/24/2024  
Supervised By :Mahesh Dadoda 07/25/2024

Quant Time: Jul 24 01:00:35 2024  
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Quant Title : VOC Analysis  
QLast Update : Wed Jul 24 00:57:38 2024  
Response via : Initial Calibration



TIC: VV036645.D\data.ms

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

4.982min (+ 0.045) 0.39 ug/L m

response 2368

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 65.00 | 100.00 | 100.00 |
| 67.00 | 53.00  | 0.00#  |
| 51.00 | 29.20  | 11.87# |
| 0.00  | 0.00   | 0.00   |

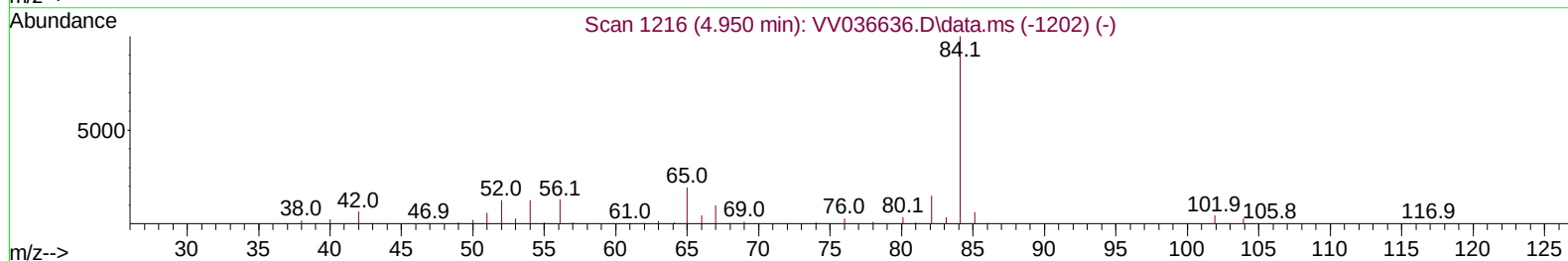
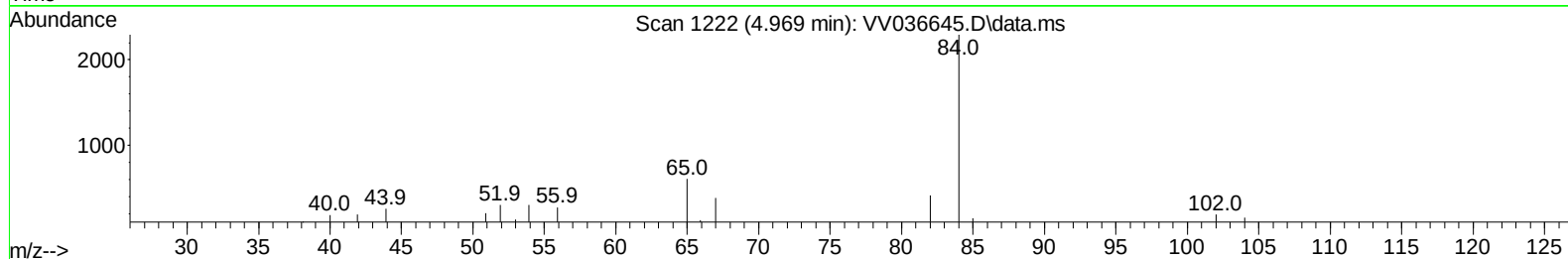
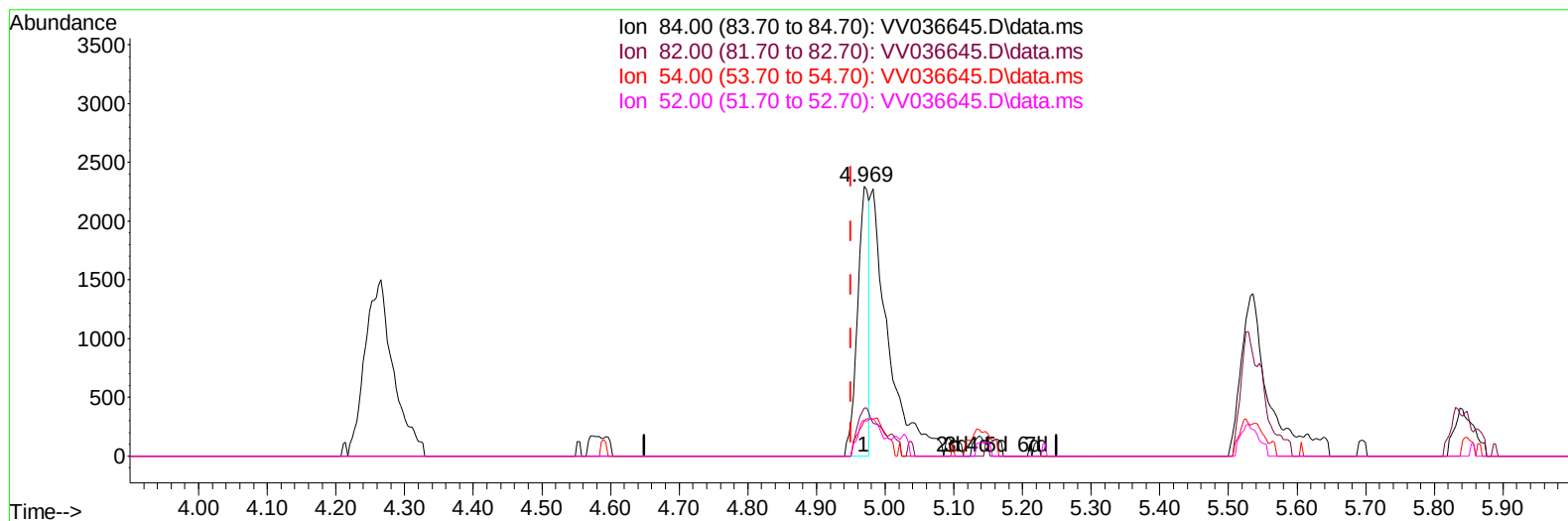
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Data File : VV036645.D  
Acq On : 23 Jul 2024 14:44  
Operator : SY/MD  
Sample : P3328-07  
Misc : 7.86g/10.0mL/MSVOA\_V/SOIL/A  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
E1ZW2

Manual IntegrationsAPPROVED

Quant Time: Jul 24 01:00:35 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM072224SMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed Jul 24 00:57:38 2024  
Response via : Initial Calibration

Reviewed By :Romaben Patel 07/24/2024  
Supervised By :Mahesh Dadoda 07/25/2024



TIC: VV036645.D\data.ms

(32) Benzene-d6 (S)

4.969min (+ 0.019) 0.13 ug/L

response 2656

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 84.00 | 100.00 | 100.00 |
| 82.00 | 15.10  | 33.73# |
| 54.00 | 12.70  | 18.30# |
| 52.00 | 11.70  | 11.18  |

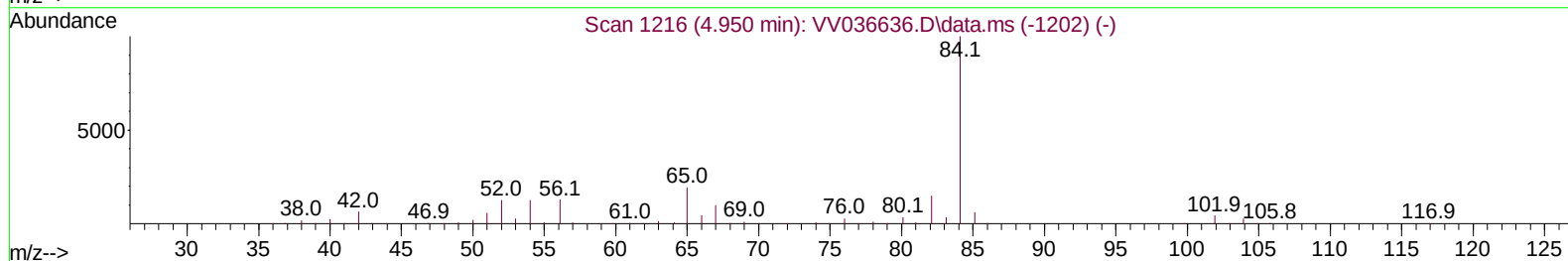
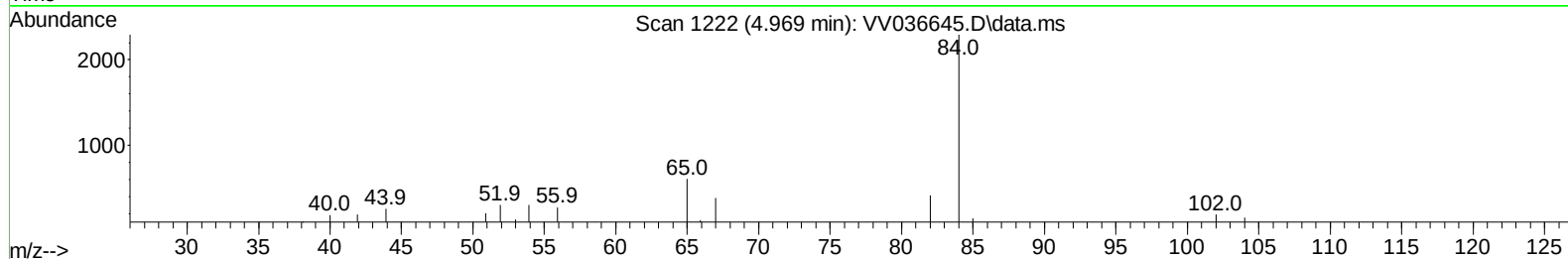
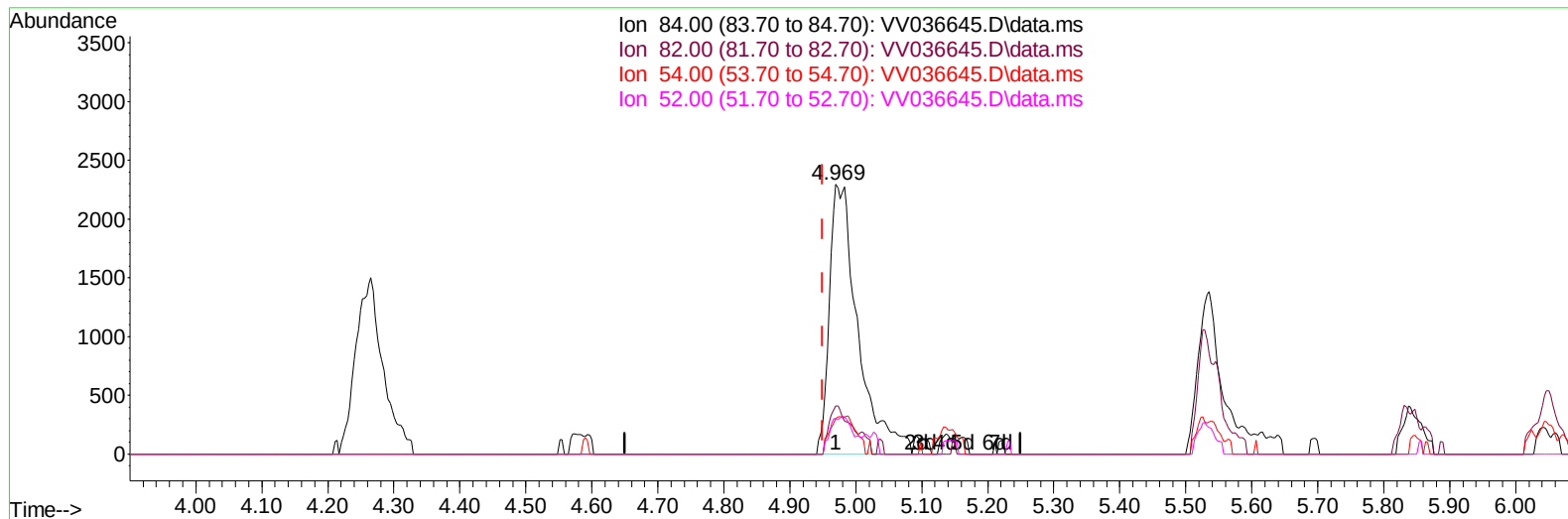
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Data File : VV036645.D  
Acq On : 23 Jul 2024 14:44  
Operator : SY/MD  
Sample : P3328-07  
Misc : 7.86g/10.0mL/MSVOA\_V/SOIL/A  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
E1ZW2

Manual IntegrationsAPPROVED

Quant Time: Jul 24 01:00:35 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM072224SMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed Jul 24 00:57:38 2024  
Response via : Initial Calibration

Reviewed By :Romaben Patel 07/24/2024  
Supervised By :Mahesh Dadoda 07/25/2024



TIC: VV036645.D\data.ms

(32) Benzene-d6 (S)

4.969min (+ 0.019) 0.32 ug/L m

response 6872

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 84.00 | 100.00 | 100.00 |
| 82.00 | 15.10  | 13.04  |
| 54.00 | 12.70  | 7.07#  |
| 52.00 | 11.70  | 4.32#  |

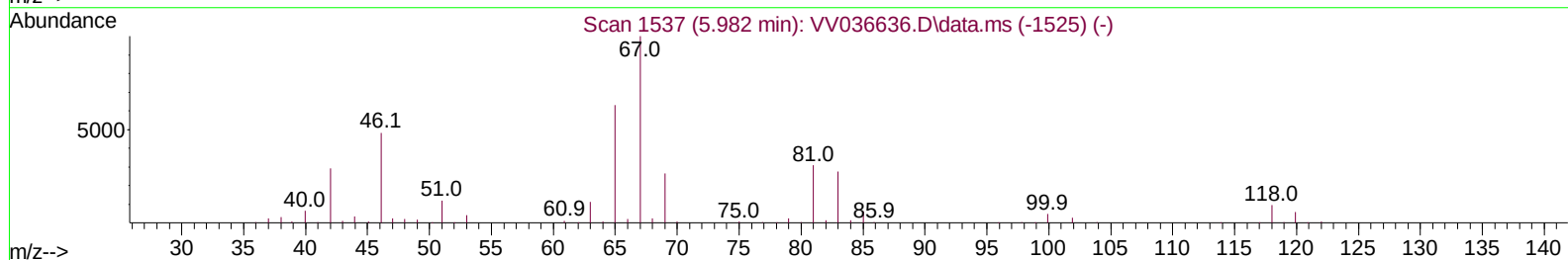
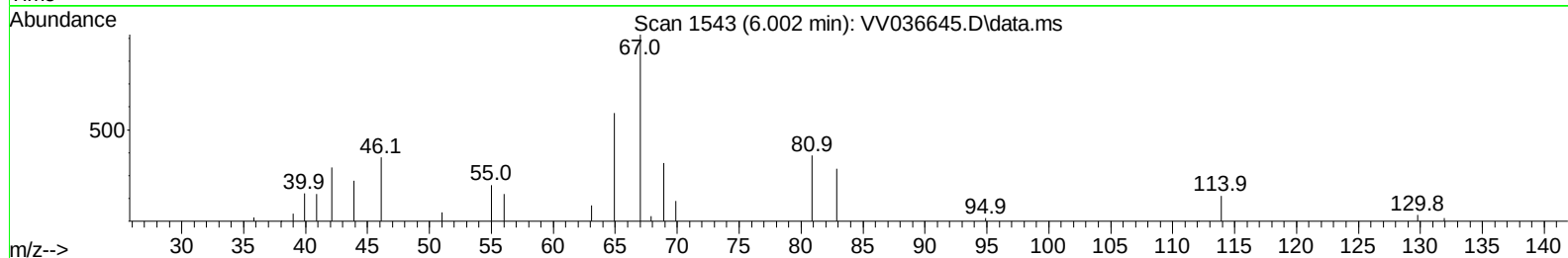
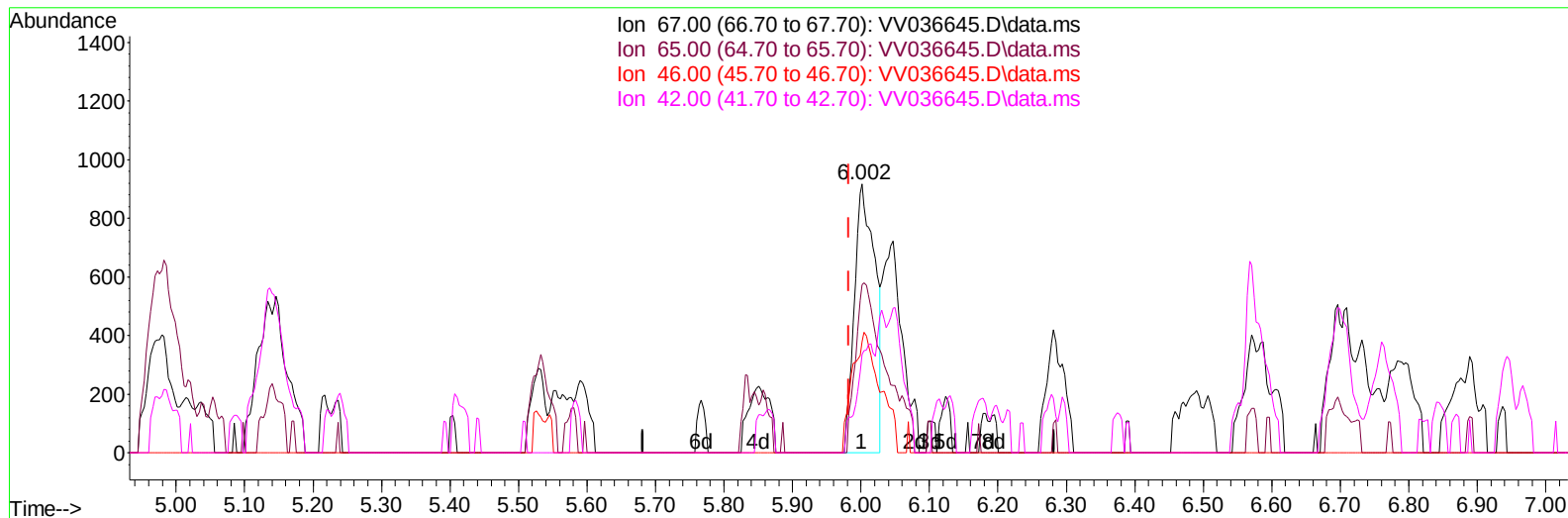
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Data File : VV036645.D  
Acq On : 23 Jul 2024 14:44  
Operator : SY/MD  
Sample : P3328-07  
Misc : 7.86g/10.0mL/MSVOA\_V/SOIL/A  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
E1ZW2

## Manual IntegrationsAPPROVED

Reviewed By :Romaben Patel 07/24/2024  
Supervised By :Mahesh Dadoda 07/25/2024

Quant Time: Jul 24 01:00:35 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM072224SMA.M  
Quant Title : VOC Analysis  
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TIC: VV036645.D\data.ms

## (36) 1,2-Dichloropropane-d6 (S)

6.002min (+ 0.019) 0.32 ug/L

response 1910

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 67.00 | 100.00 | 100.00 |
| 65.00 | 63.80  | 78.90  |
| 46.00 | 48.40  | 49.21  |
| 42.00 | 26.60  | 22.04  |

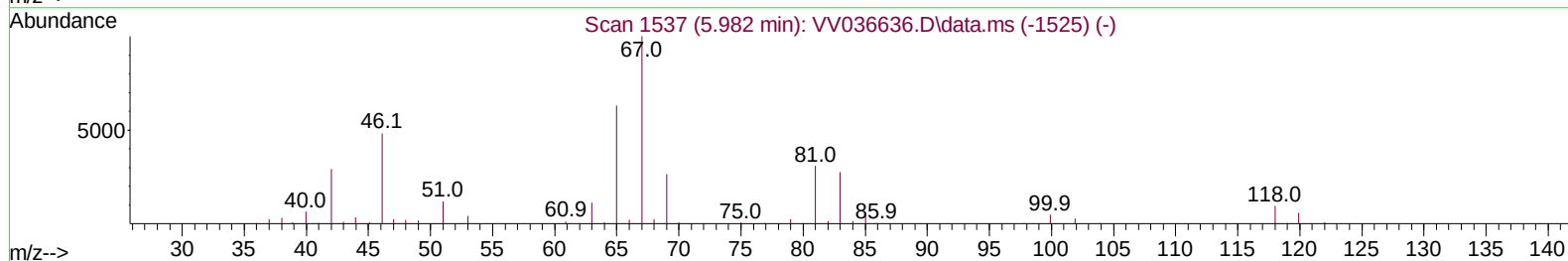
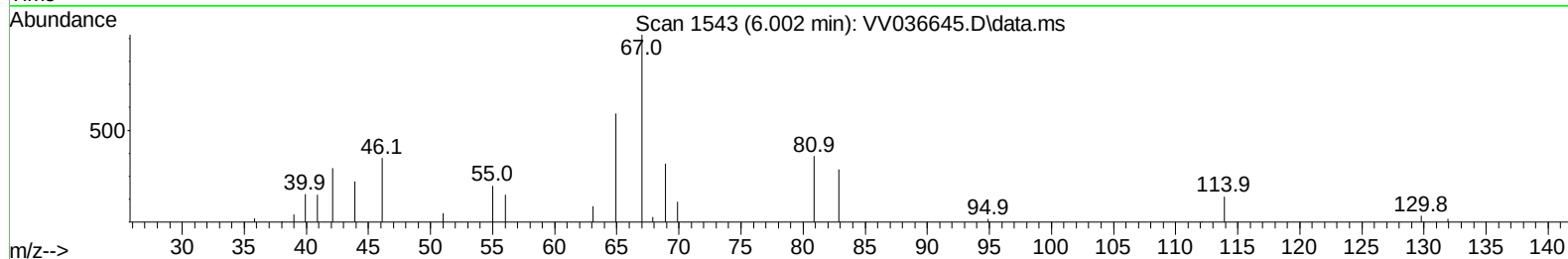
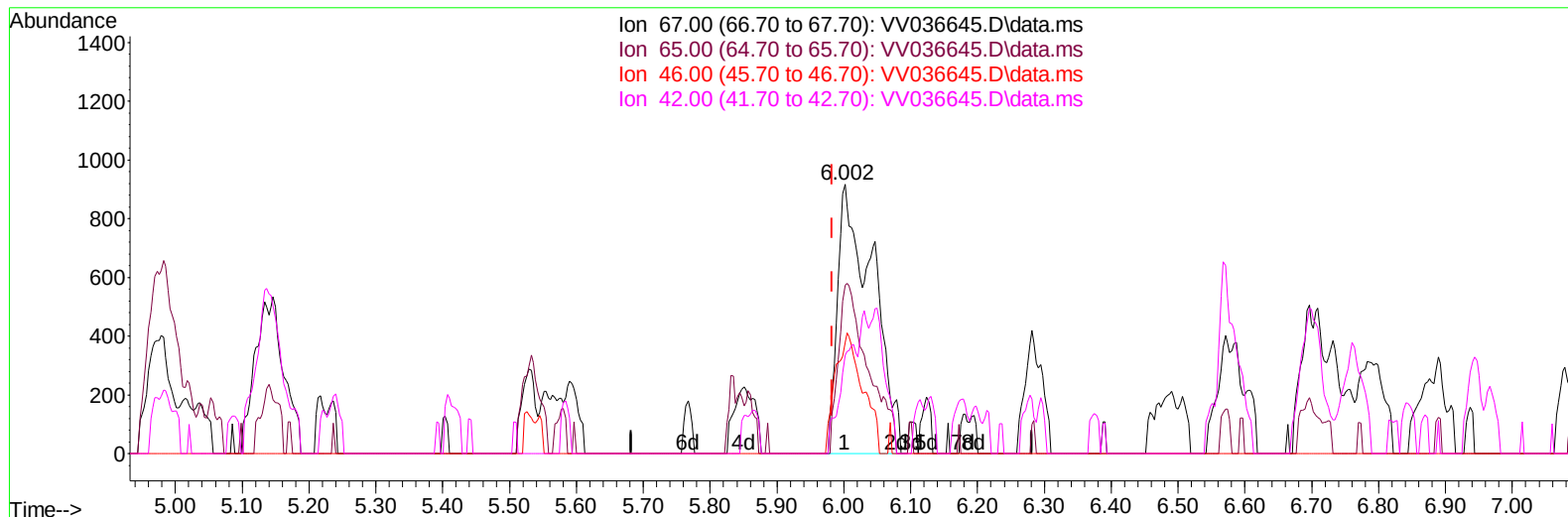
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Data File : VV036645.D  
Acq On : 23 Jul 2024 14:44  
Operator : SY/MD  
Sample : P3328-07  
Misc : 7.86g/10.0mL/MSVOA\_V/SOIL/A  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
E1ZW2

Manual IntegrationsAPPROVED

Quant Time: Jul 24 01:00:35 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM072224SMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed Jul 24 00:57:38 2024  
Response via : Initial Calibration

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Supervised By :Mahesh Dadoda 07/25/2024



TIC: VV036645.D\data.ms

(36) 1,2-Dichloropropane-d6 (S)

6.002min (+ 0.019) 0.55 ug/L m

response 3349

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 67.00 | 100.00 | 100.00 |
| 65.00 | 63.80  | 45.00  |
| 46.00 | 48.40  | 28.07# |
| 42.00 | 26.60  | 12.57# |



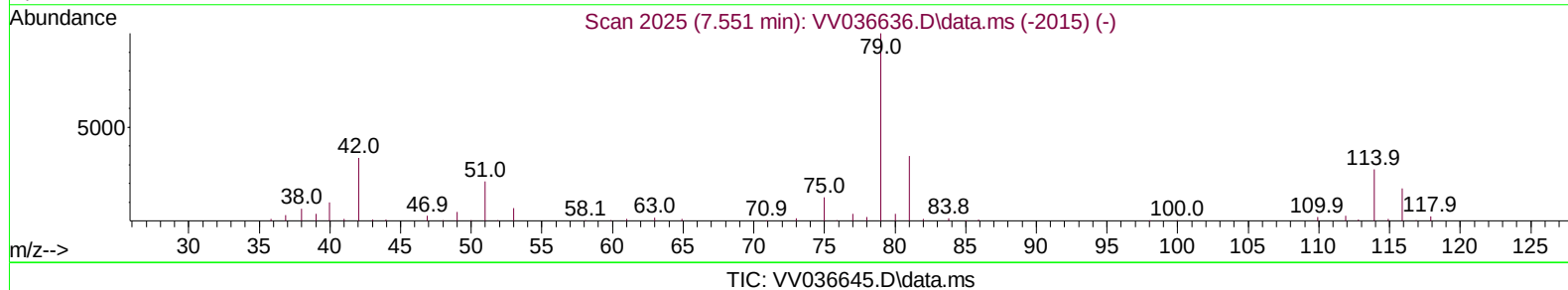
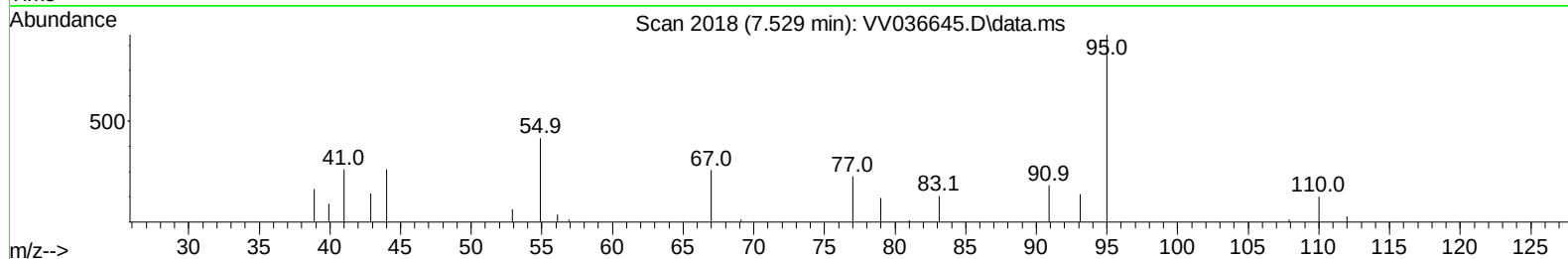
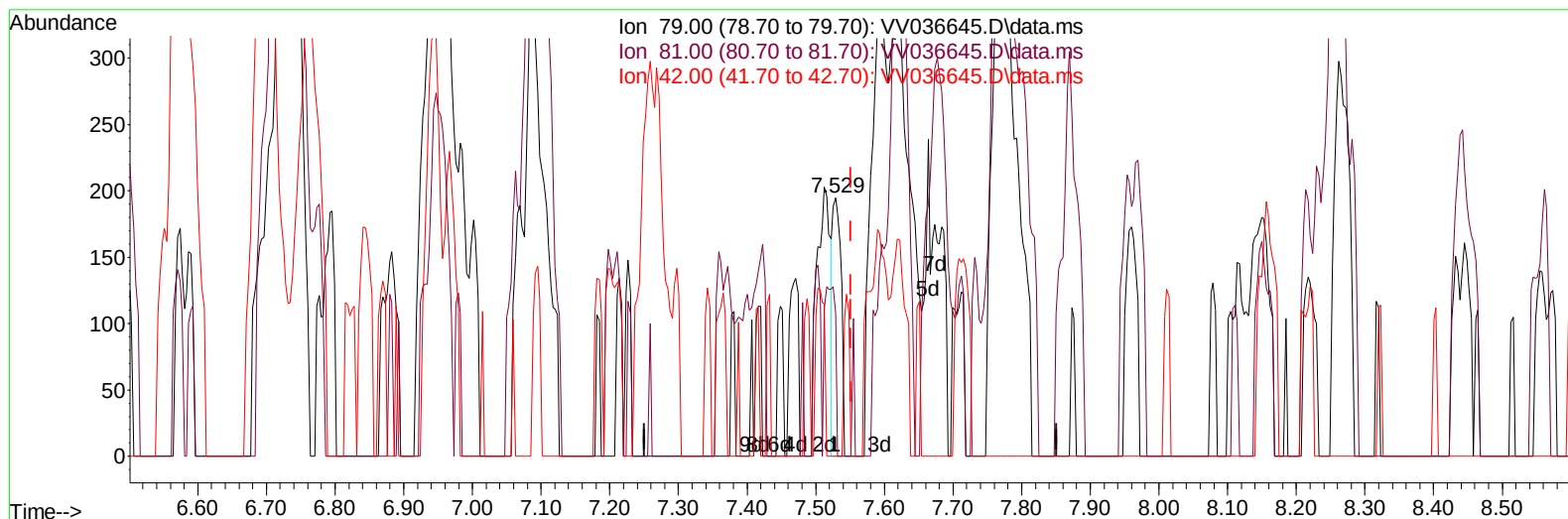
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Data File : VV036645.D  
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Operator : SY/MD  
Sample : P3328-07  
Misc : 7.86g/10.0mL/MSVOA\_V/SOIL/A  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
E1ZW2

Manual IntegrationsAPPROVED

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Supervised By :Mahesh Dadoda 07/25/2024



(43) trans-1,3-Dichloropropene-d4 (S)

7.529min (-0.022) 0.06 ug/L

response 165

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 79.00 | 100.00 | 100.00 |
| 81.00 | 33.70  | 0.00#  |
| 42.00 | 34.20  | 38.79  |
| 0.00  | 0.00   | 0.00   |

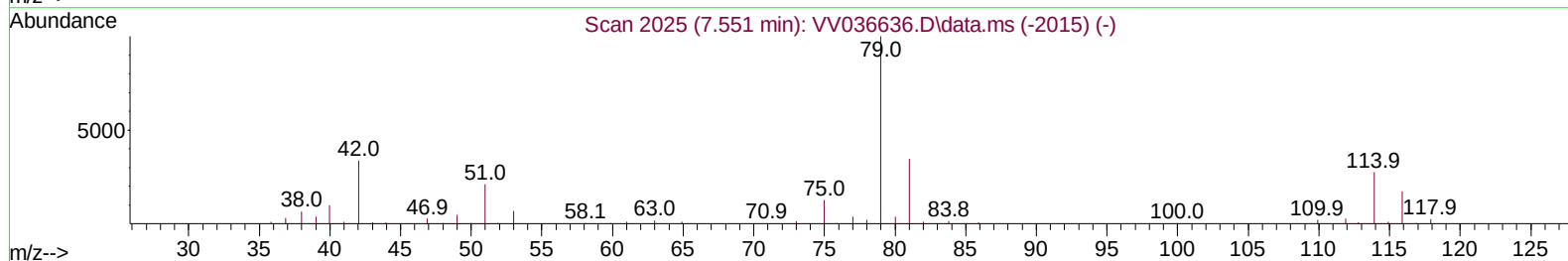
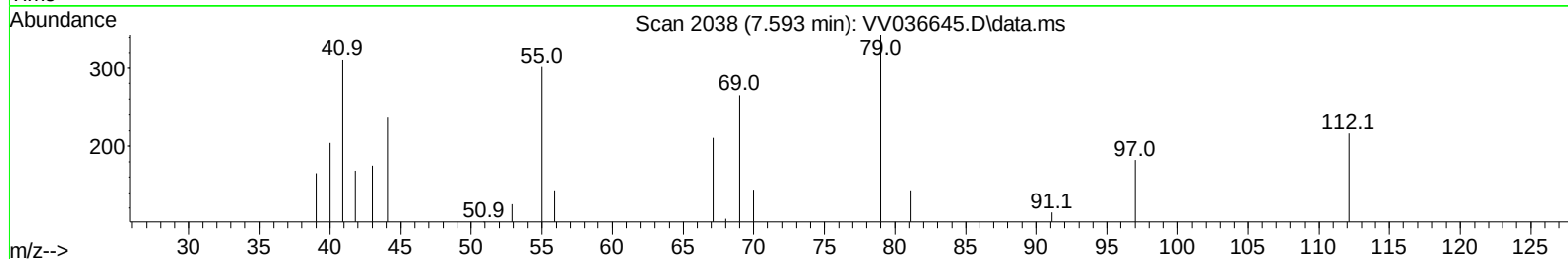
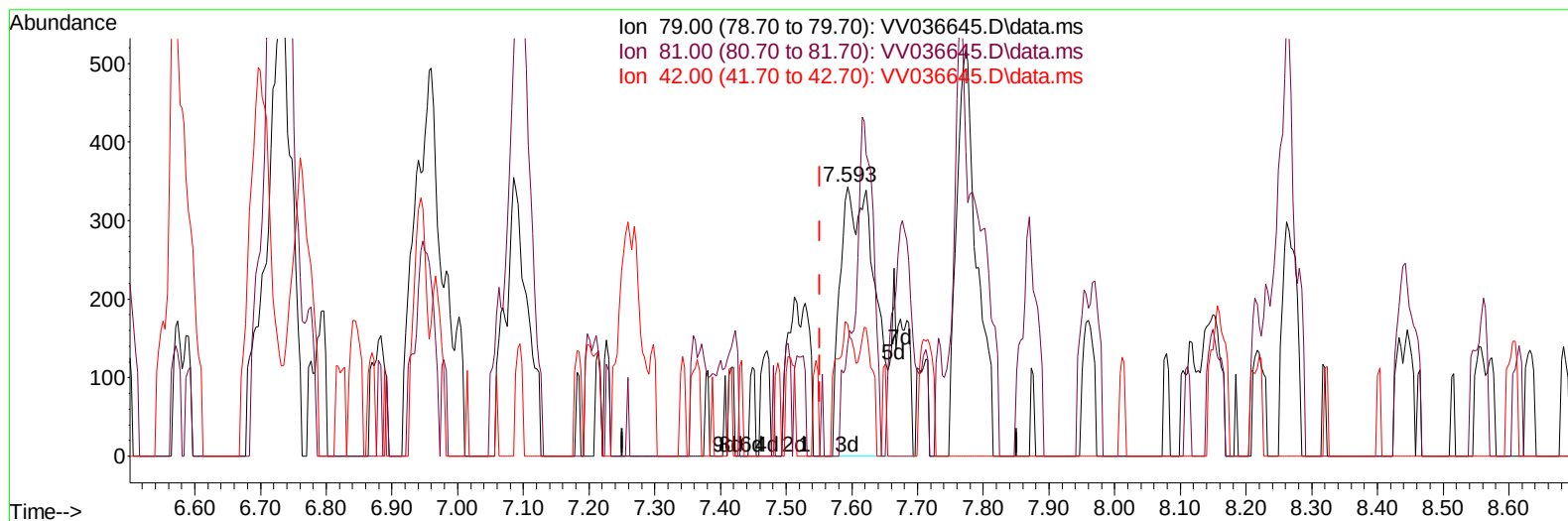
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Data File : VV036645.D  
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Operator : SY/MD  
Sample : P3328-07  
Misc : 7.86g/10.0mL/MSVOA\_V/SOIL/A  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
E1ZW2

Manual IntegrationsAPPROVED

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Supervised By :Mahesh Dadoda 07/25/2024



TIC: VV036645.D\data.ms

**(43) trans-1,3-Dichloropropene-d4 (S)**

7.593min (+ 0.042) 0.59 ug/L m

response 1586

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 79.00 | 100.00 | 100.00 |
| 81.00 | 33.70  | 0.00#  |
| 42.00 | 34.20  | 4.04#  |
| 0.00  | 0.00   | 0.00   |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV072324\  
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Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 E1ZW2

Manual IntegrationsAPPROVED

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 Supervised By :Mahesh Dadoda 07/25/2024

| Compound                      | R.T.     | QIon  | Response | Conc   | Units   | Dev(Min) |
|-------------------------------|----------|-------|----------|--------|---------|----------|
| -----                         |          |       |          |        |         |          |
| Internal Standards            |          |       |          |        |         |          |
| 1) 1,4-Difluorobenzene        | 5.532    | 114   | 464290   | 25.000 | ug/L    | 0.00     |
| 28) Chlorobenzene-d5          | 8.783    | 117   | 447633   | 25.000 | ug/L    | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.181   | 152   | 234868   | 25.000 | ug/L    | 0.00     |
| System Monitoring Compounds   |          |       |          |        |         |          |
| 4) Vinyl Chloride-d3          | 1.272    | 65    | 1616     | 0.318  | ug/L    | 0.00     |
| Spiked Amount 25.000          | Range 30 | - 150 | Recovery | =      | 1.280%# |          |
| 7) Chloroethane-d5            | 1.529    | 69    | 1717     | 0.374  | ug/L    | 0.00     |
| Spiked Amount 25.000          | Range 30 | - 150 | Recovery | =      | 1.480%# |          |
| 11) 1,1-Dichloroethene-d2     | 2.047    | 65    | 1016     | 0.378  | ug/L    | 0.00     |
| Spiked Amount 25.000          | Range 45 | - 110 | Recovery | =      | 1.520%# |          |
| 21) 2-Butanone-d5             | 0.000    | 46    | 0d       | 0.000  | ug/L    |          |
| Spiked Amount 50.000          | Range 20 | - 135 | Recovery | =      | 0.000%# |          |
| 24) Chloroform-d              | 4.265    | 84    | 4305m    | 0.351  | ug/L    | 0.03     |
| Spiked Amount 25.000          | Range 40 | - 150 | Recovery | =      | 1.400%# |          |
| 26) 1,2-Dichloroethane-d4     | 4.982    | 65    | 2368m    | 0.391  | ug/L    | 0.05     |
| Spiked Amount 25.000          | Range 70 | - 130 | Recovery | =      | 1.560%# |          |
| 32) Benzene-d6                | 4.969    | 84    | 6872m    | 0.324  | ug/L    | 0.02     |
| Spiked Amount 25.000          | Range 20 | - 135 | Recovery | =      | 1.280%# |          |
| 36) 1,2-Dichloropropane-d6    | 6.002    | 67    | 3349m    | 0.554  | ug/L    | 0.02     |
| Spiked Amount 25.000          | Range 70 | - 120 | Recovery | =      | 2.200%# |          |
| 41) Toluene-d8                | 7.262    | 98    | 5857     | 0.289  | ug/L    | 0.03     |
| Spiked Amount 25.000          | Range 30 | - 130 | Recovery | =      | 1.160%# |          |
| 43) trans-1,3-Dichloroprop... | 7.593    | 79    | 1586m    | 0.590  | ug/L    | 0.04     |
| Spiked Amount 25.000          | Range 30 | - 135 | Recovery | =      | 2.360%# |          |
| 47) 2-Hexanone-d5             | 0.000    | 63    | 0d       | 0.000  | ug/L    |          |
| Spiked Amount 50.000          | Range 20 | - 135 | Recovery | =      | 0.000%# |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.156   | 84    | 3662     | 0.695  | ug/L    | 0.00     |
| Spiked Amount 25.000          | Range 45 | - 120 | Recovery | =      | 2.800%# |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.564   | 152   | 7890     | 0.962  | ug/L    | 0.00     |
| Spiked Amount 25.000          | Range 75 | - 120 | Recovery | =      | 3.840%# |          |
| Target Compounds              |          |       |          |        |         |          |
|                               |          |       |          |        | Qvalue  |          |
| 13) Acetone                   | 2.140    | 43    | 45853    | 23.785 | ug/L #  | 42       |
| 34) Trichloroethene           | 5.838    | 95    | 20061    | 2.411  | ug/L    | 99       |
| 35) Methylcyclohexane         | 6.050    | 83    | 5695     | 0.514  | ug/L #  | 87       |
| 53) m,p-Xylene                | 9.079    | 106   | 14008    | 1.158  | ug/L    | 98       |
| 62) 1,3,5-Trimethylbenzene    | 10.474   | 105   | 76033    | 3.391  | ug/L    | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.850   | 105   | 338792   | 14.929 | ug/L    | 99       |
| -----                         |          |       |          |        |         |          |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV072324\  
Data File : VV036645.D  
Acq On : 23 Jul 2024 14:44  
Operator : SY/MD  
Sample : P3328-07  
Misc : 7.86g/10.0mL/MSVOA\_V/SOIL/A  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
E1ZW2

Manual IntegrationsAPPROVED

Quant Time: Jul 24 01:00:35 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM072224SMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed Jul 24 00:57:38 2024  
Response via : Initial Calibration

Reviewed By :Romaben Patel 07/24/2024  
Supervised By :Mahesh Dadoda 07/25/2024

