

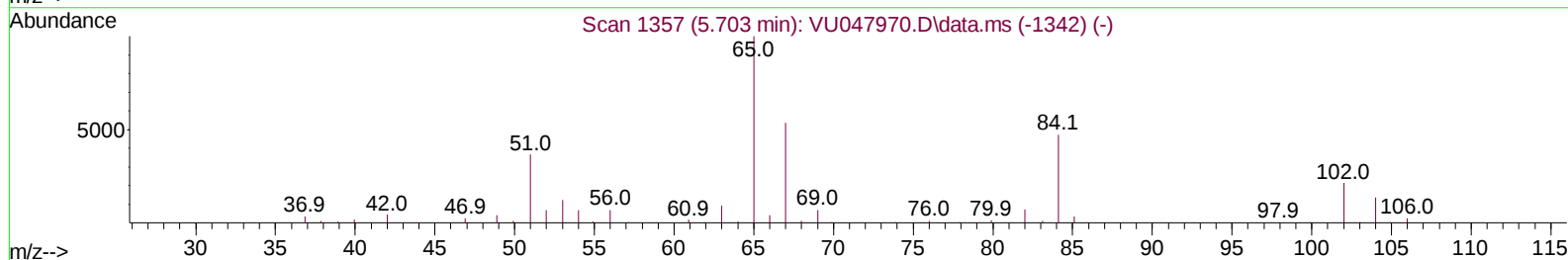
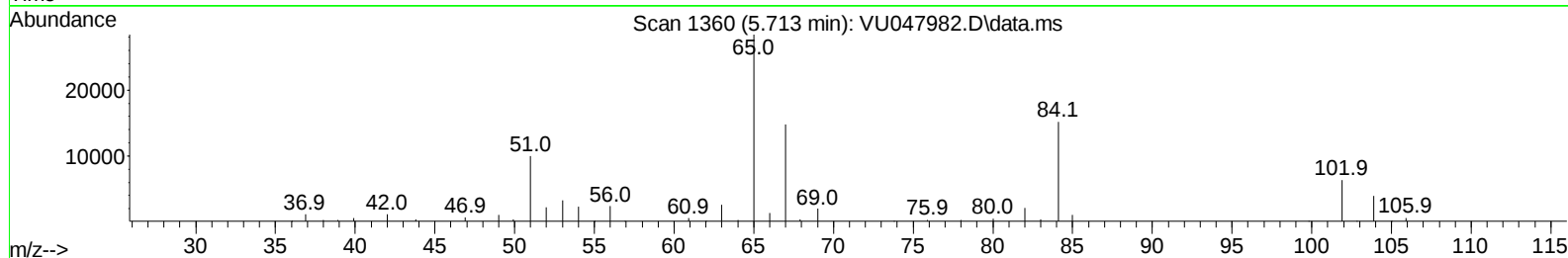
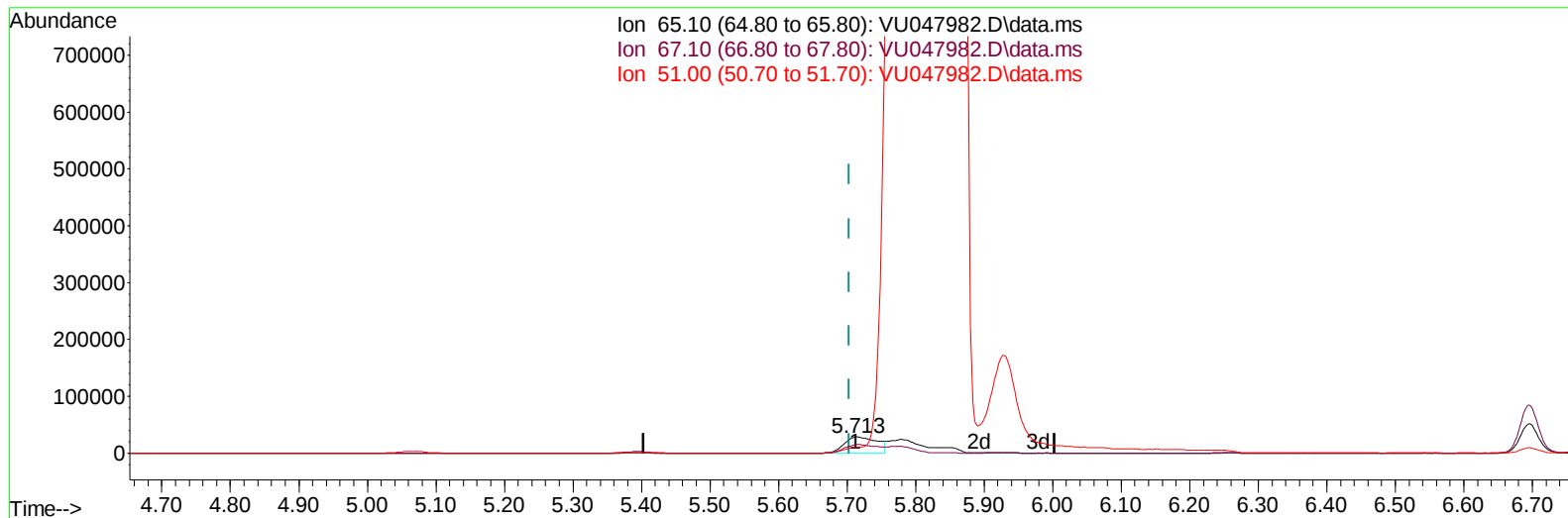
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU041222\  
Data File : VU047982.D  
Acq On : 13 Apr 2022 01:33  
Operator : SY/MD  
Sample : N2345-14  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 43 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0J94

## Manual IntegrationsAPPROVED

Reviewed By :Krupa Patel 04/13/2022  
Supervised By :Mahesh Dadoda 04/13/2022

Quant Time: Apr 13 04:52:58 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM032422WMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed Apr 13 04:40:51 2022  
Response via : Initial Calibration



TIC: VU047982.D\data.ms

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

5.713min (+ 0.010) 29.67 ug/L

response 95598

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 65.10 | 100.00 | 100.00 |
| 67.10 | 54.40  | 50.02  |
| 51.00 | 35.90  | 16.02# |
| 0.00  | 0.00   | 0.00   |

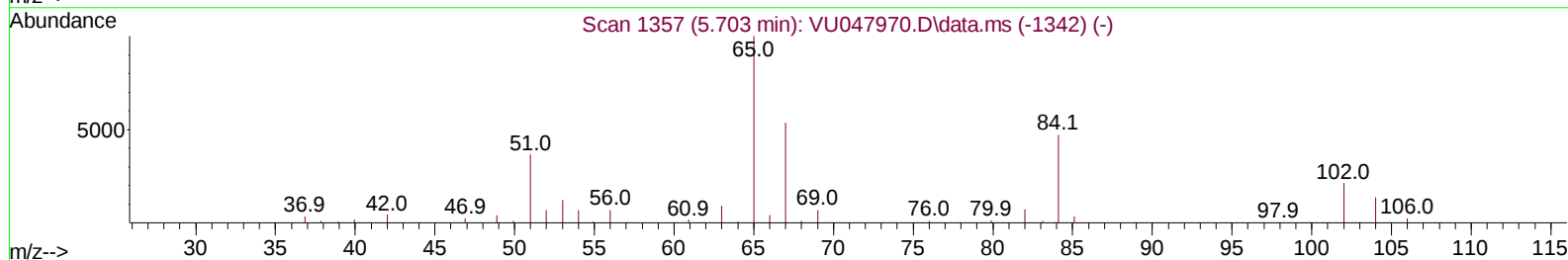
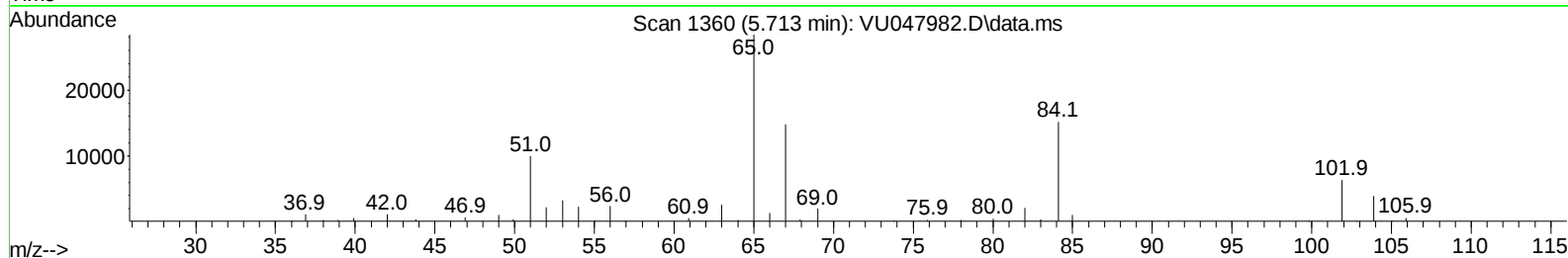
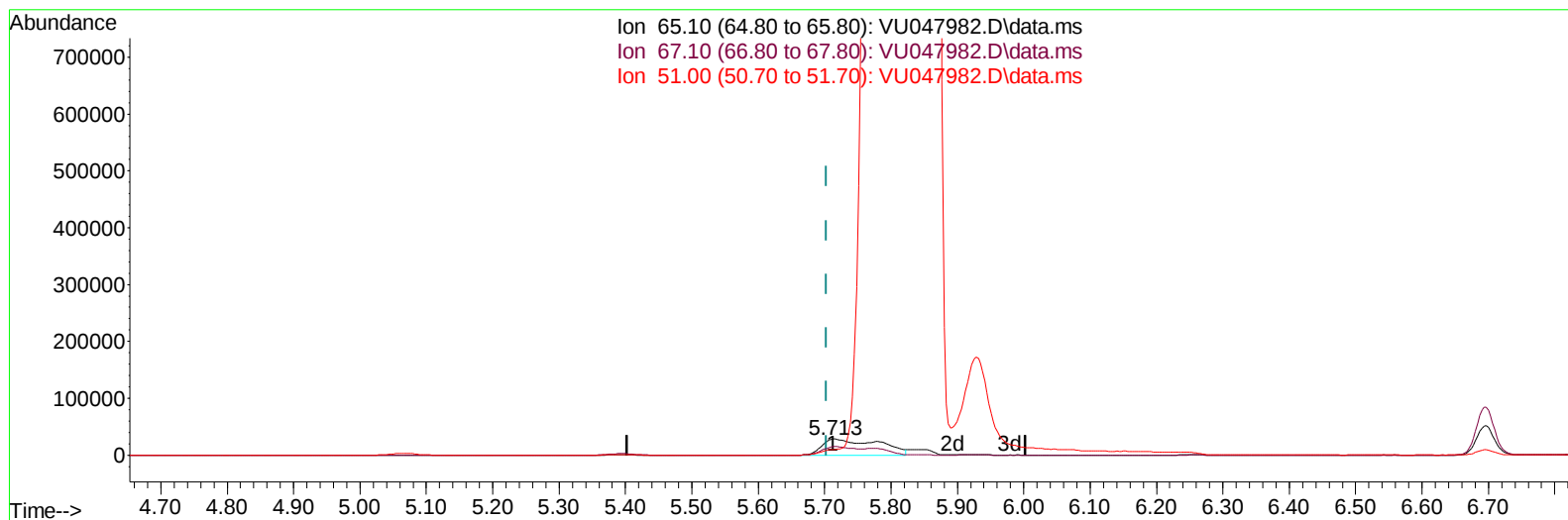
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TIC: VU047982.D\data.ms

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

5.713min (+ 0.010) 52.66 ug/L m

response 169684

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 65.10 | 100.00 | 100.00 |
| 67.10 | 54.40  | 28.18# |
| 51.00 | 35.90  | 9.03#  |
| 0.00  | 0.00   | 0.00   |

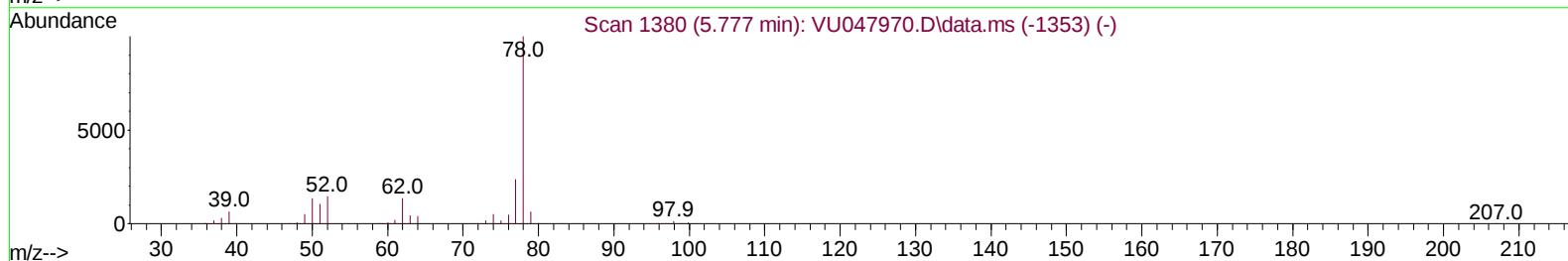
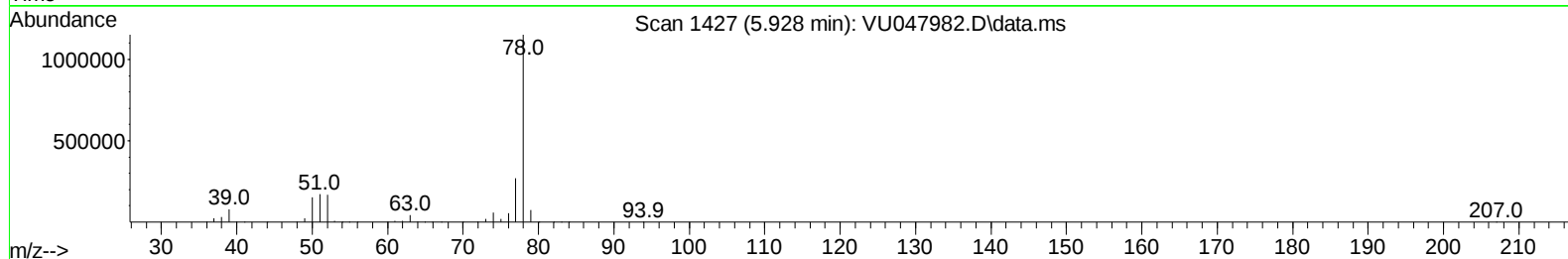
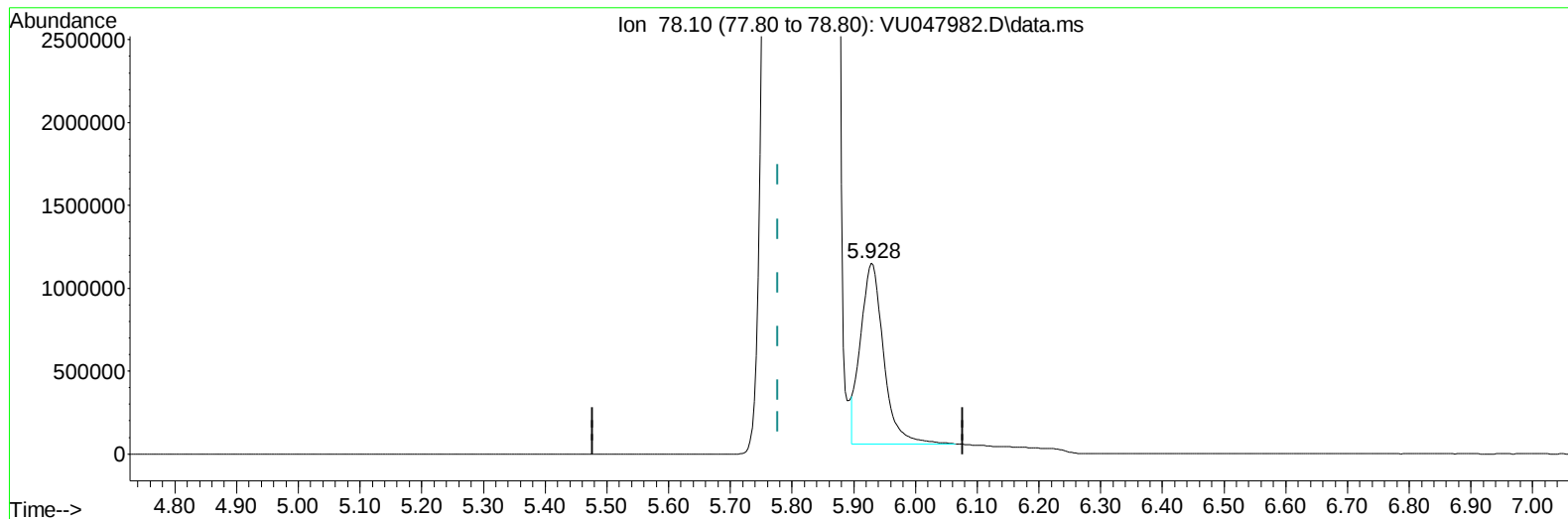
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**(33) Benzene (T)**

**5.928min (+ 0.151) 278.60 ug/L**

**response 2840627**

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 78.10 | 100.00 | 100.00 |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

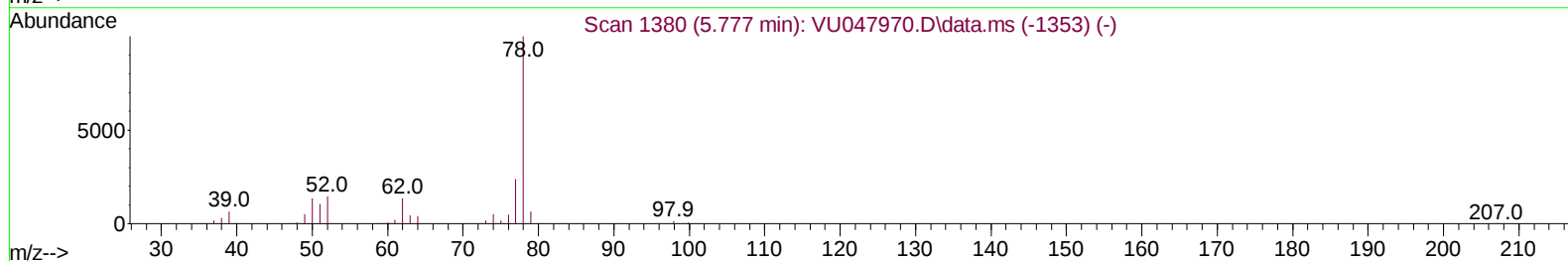
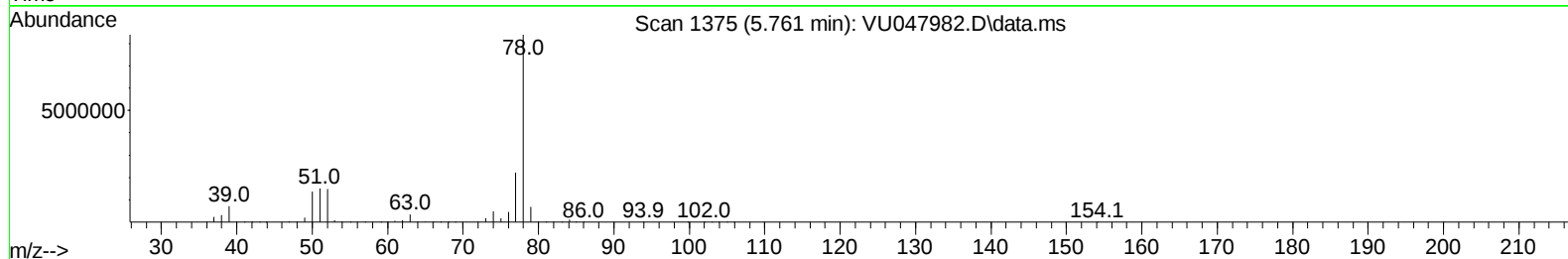
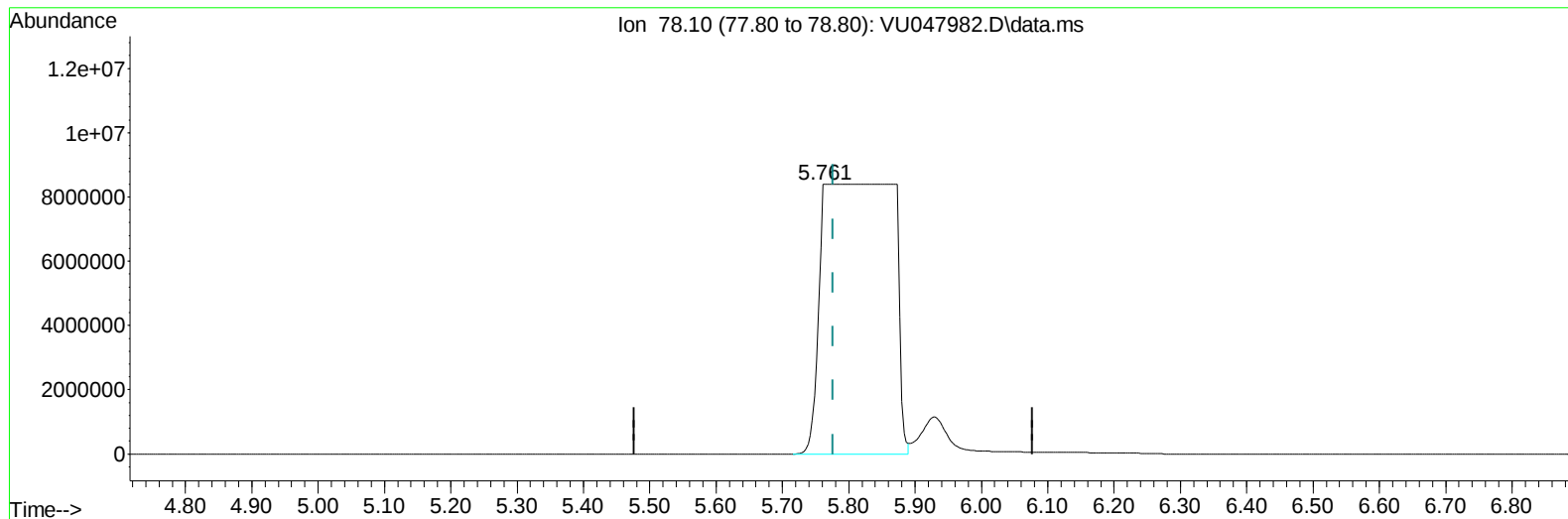
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TIC: VU047982.D\data.ms

**(33) Benzene (T)**

5.761min (-0.016) 6188.46 ug/L m

response 63098257

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 78.10 | 100.00 | 100.00 |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

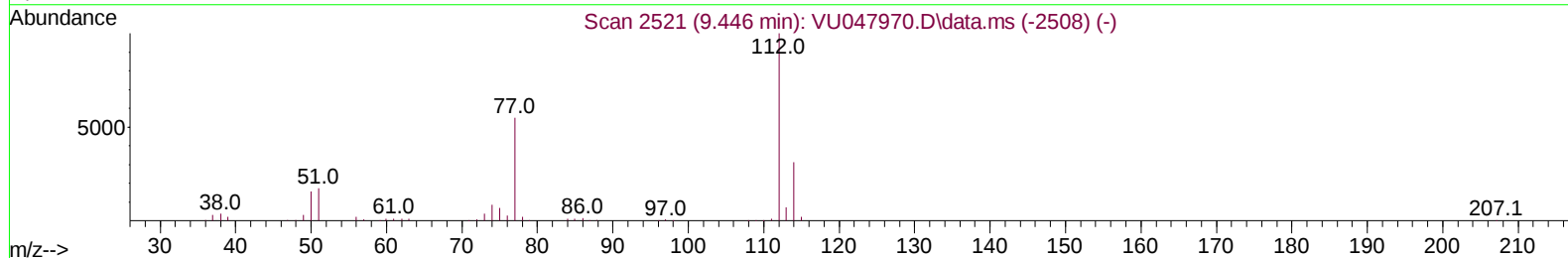
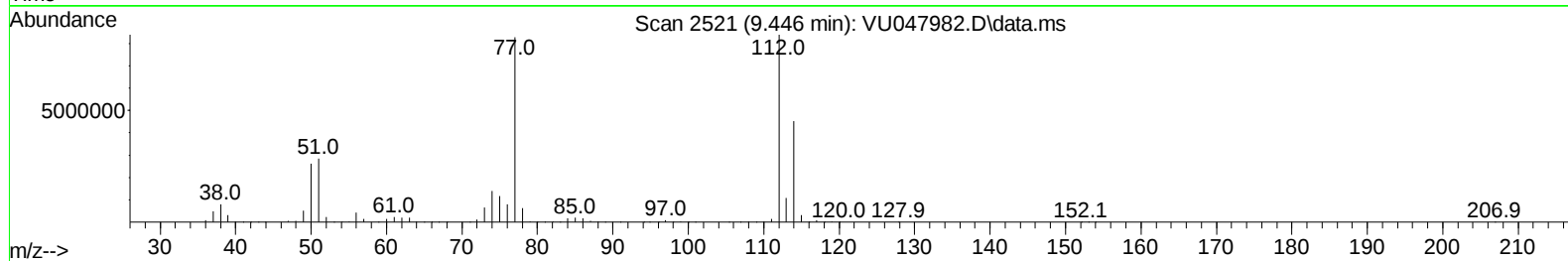
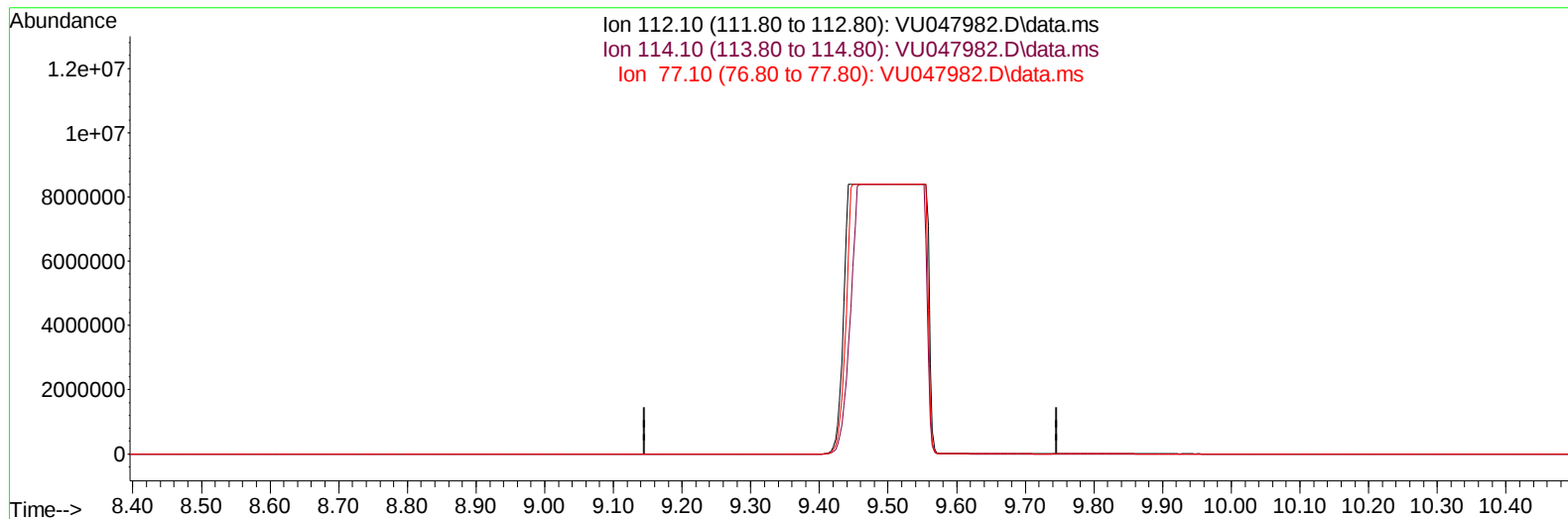
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Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0J94

Manual IntegrationsAPPROVED

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TIC: VU047982.D\data.ms

**(51) Chlorobenzene (T)**

9.446min (-9.446) 0.00 ug/L

response 0

| Ion    | Exp%   | Act%  |
|--------|--------|-------|
| 112.10 | 100.00 | 0.00  |
| 114.10 | 31.60  | 0.00# |
| 77.10  | 54.20  | 0.00# |
| 0.00   | 0.00   | 0.00  |

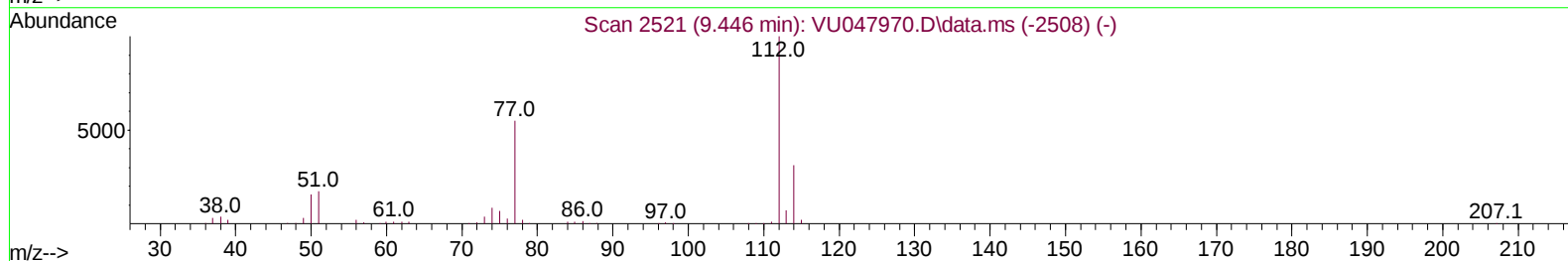
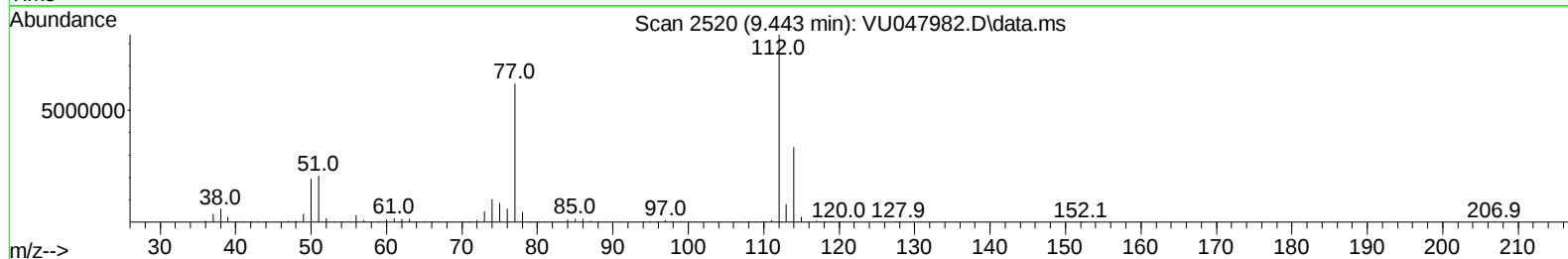
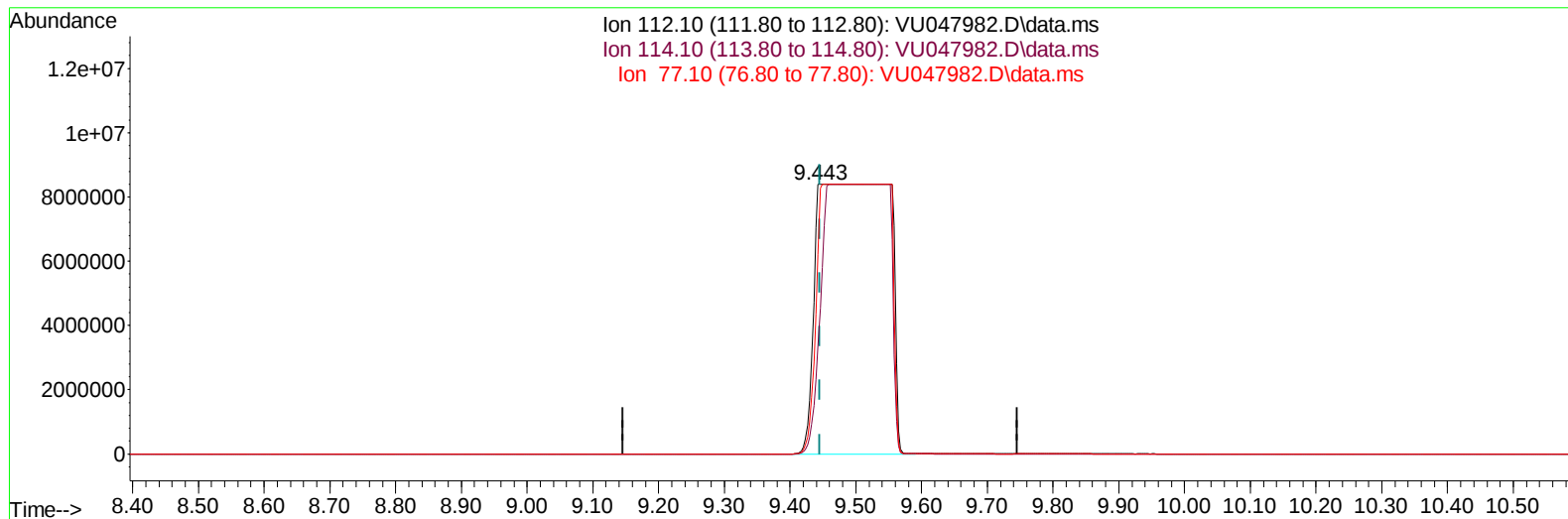
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Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 43 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
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Manual IntegrationsAPPROVED

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TIC: VU047982.D\data.ms

(51) Chlorobenzene (T)

9.443min (-0.003) 8404.04 ug/L m

response 63839166

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 112.10 | 100.00 | 100.00 |
| 114.10 | 31.60  | 39.86  |
| 77.10  | 54.20  | 73.97# |
| 0.00   | 0.00   | 0.00   |

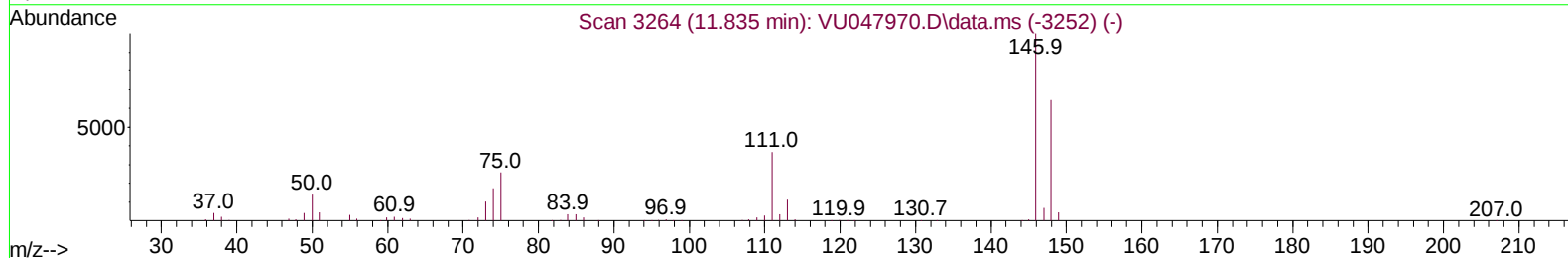
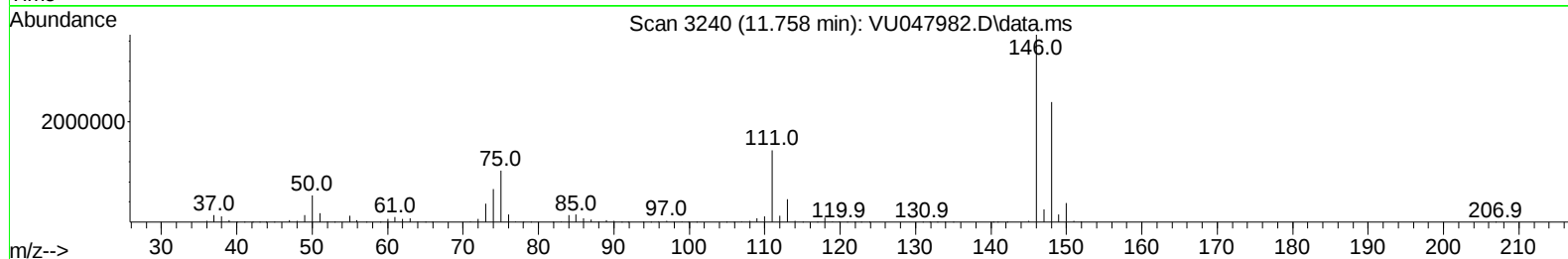
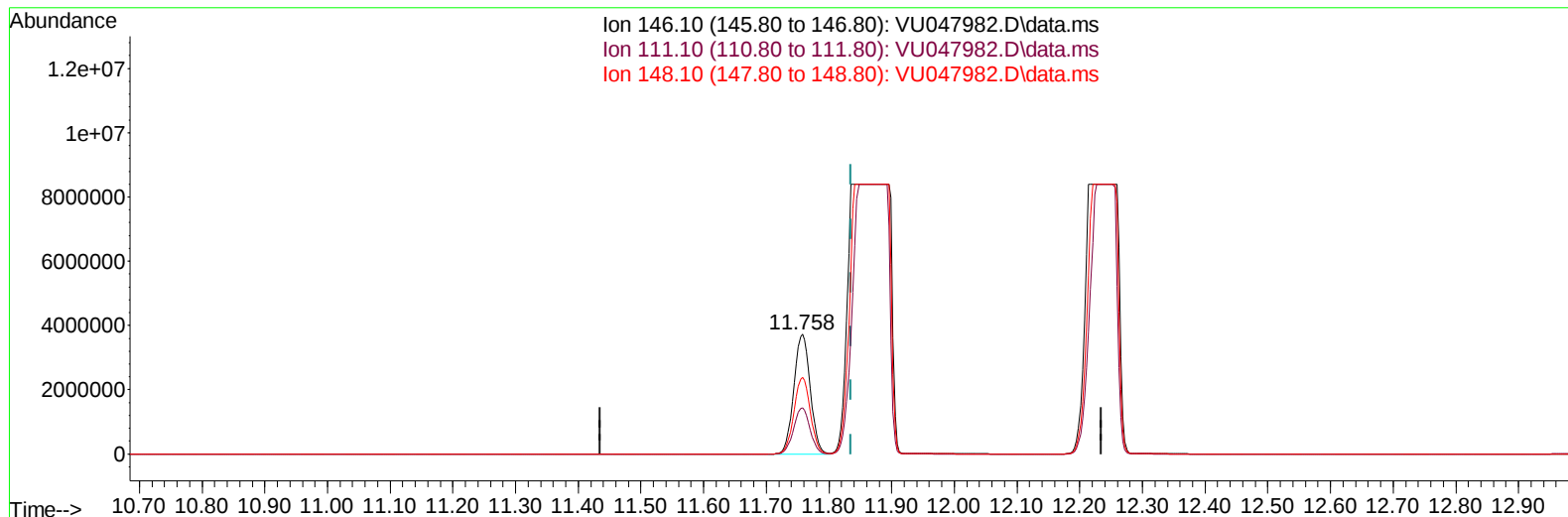
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ALS Vial : 43 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0J94

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TIC: VU047982.D\data.ms

(65) 1,4-Dichlorobenzene (T)

11.758min (-0.077) 728.37 ug/L

response 6785914

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 146.10 | 100.00 | 100.00 |
| 111.10 | 36.20  | 38.42  |
| 148.10 | 63.60  | 63.98  |
| 0.00   | 0.00   | 0.00   |

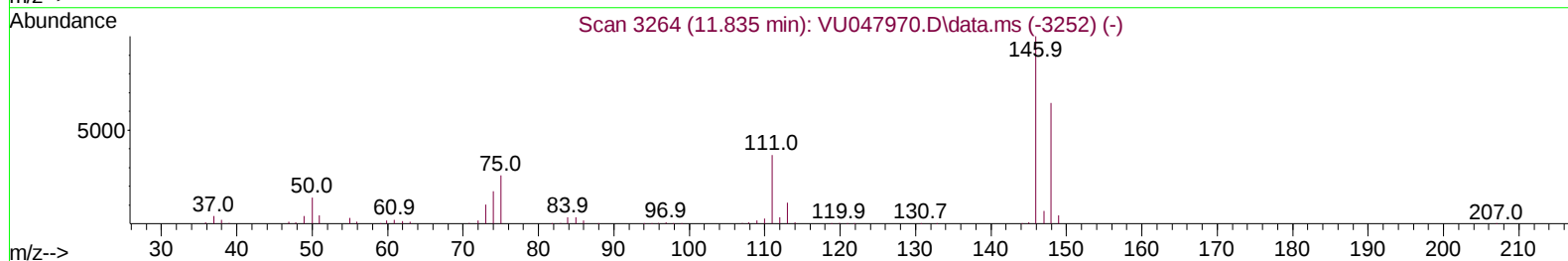
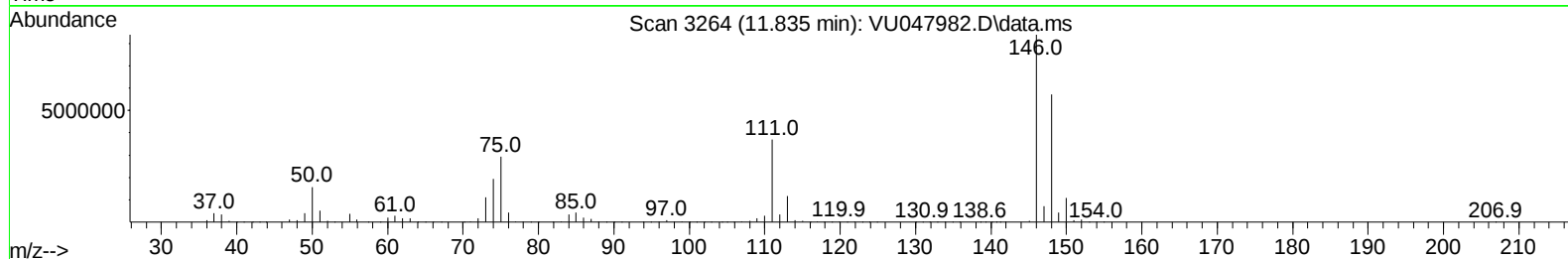
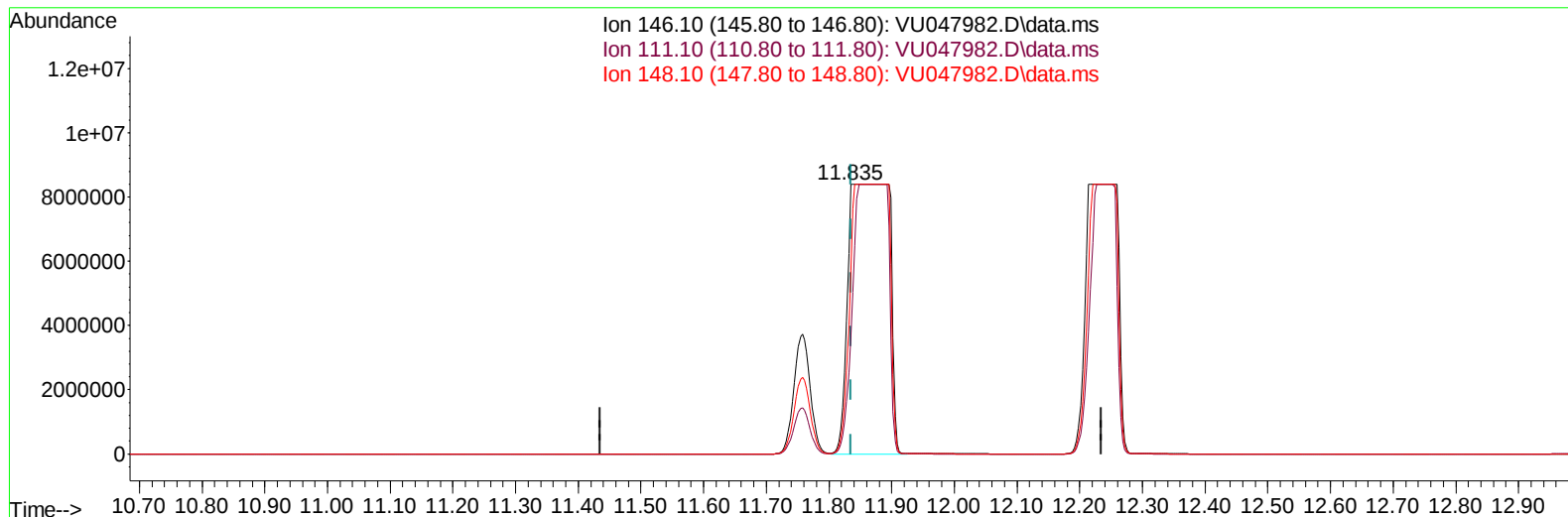
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 Operator : SY/MD  
 Sample : N2345-14  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 43 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0J94

Manual IntegrationsAPPROVED

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TIC: VU047982.D\data.ms

**(65) 1,4-Dichlorobenzene (T)**

**11.835min (-0.000) 4074.38 ug/L m**

**response 37958991**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 146.10 | 100.00 | 100.00 |
| 111.10 | 36.20  | 44.02  |
| 148.10 | 63.60  | 68.16  |
| 0.00   | 0.00   | 0.00   |

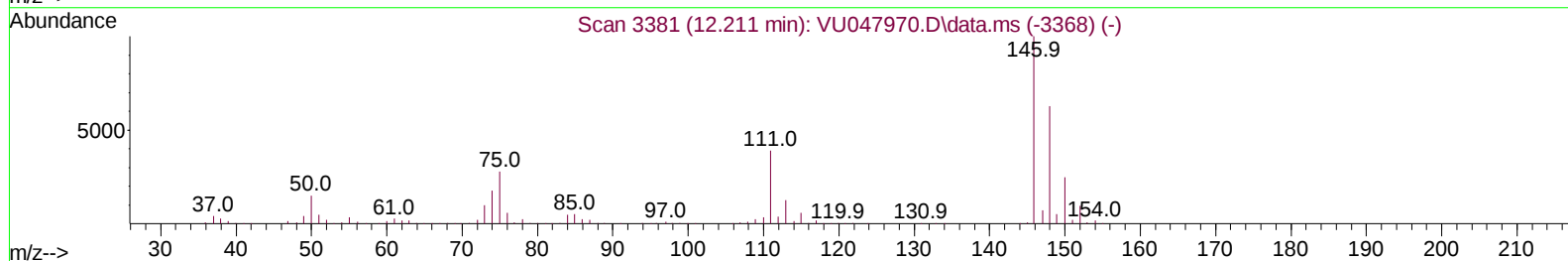
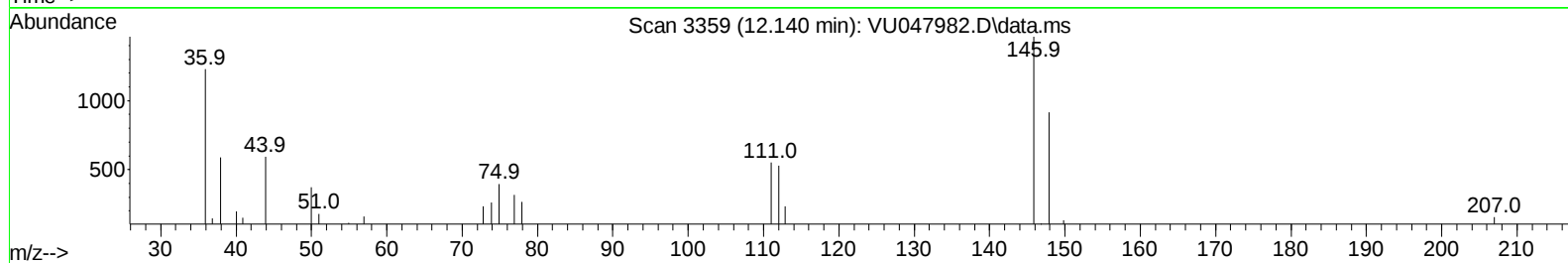
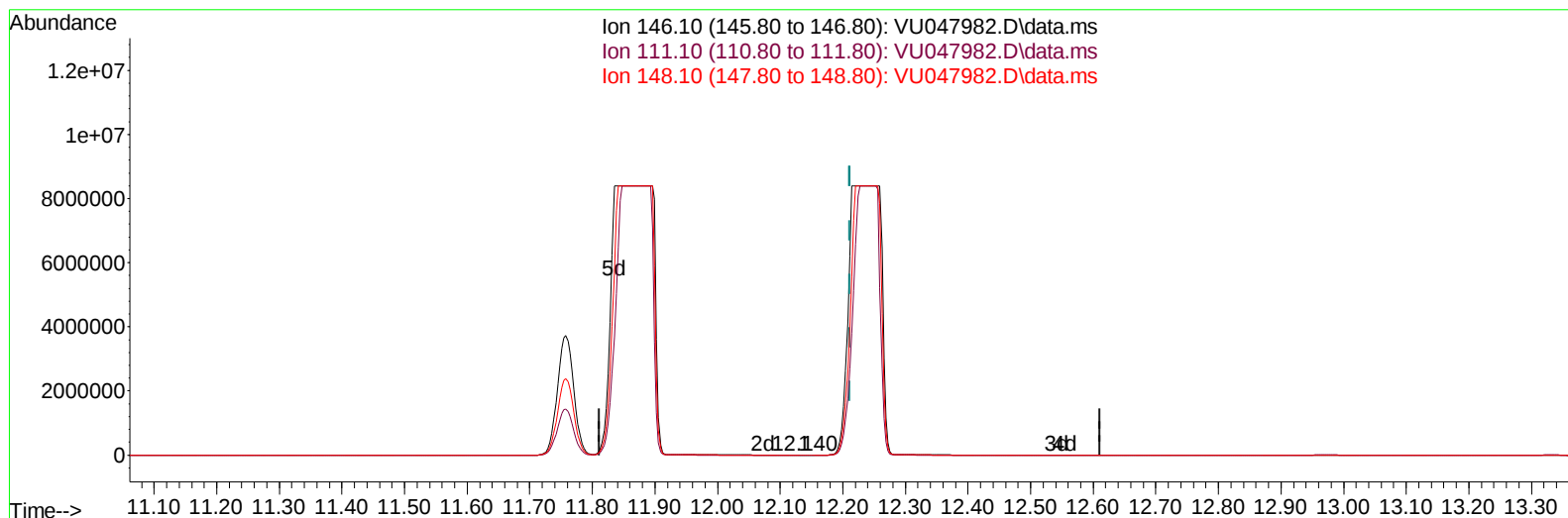
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TIC: VU047982.D\data.ms

(67) 1,2-Dichlorobenzene (T)

12.140min (-0.071) 0.01 ug/L

response 113

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 146.10 | 100.00 | 100.00 |
| 111.10 | 39.60  | 35.18  |
| 148.10 | 64.30  | 58.51  |
| 0.00   | 0.00   | 0.00   |

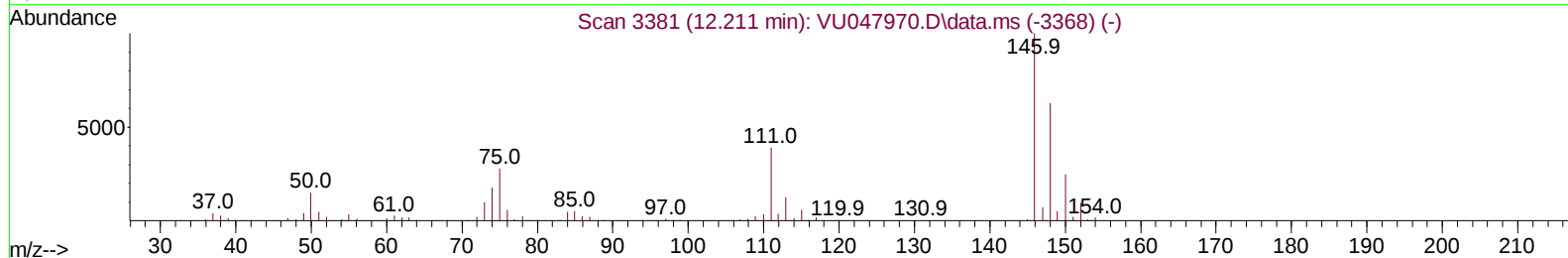
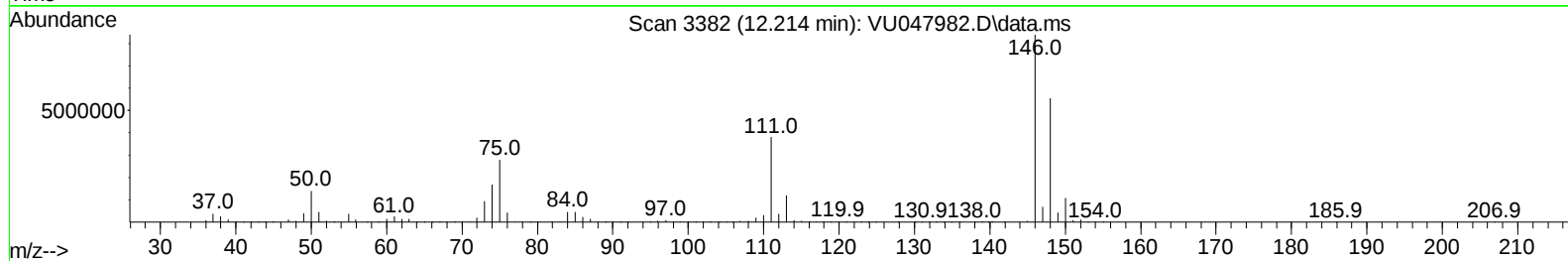
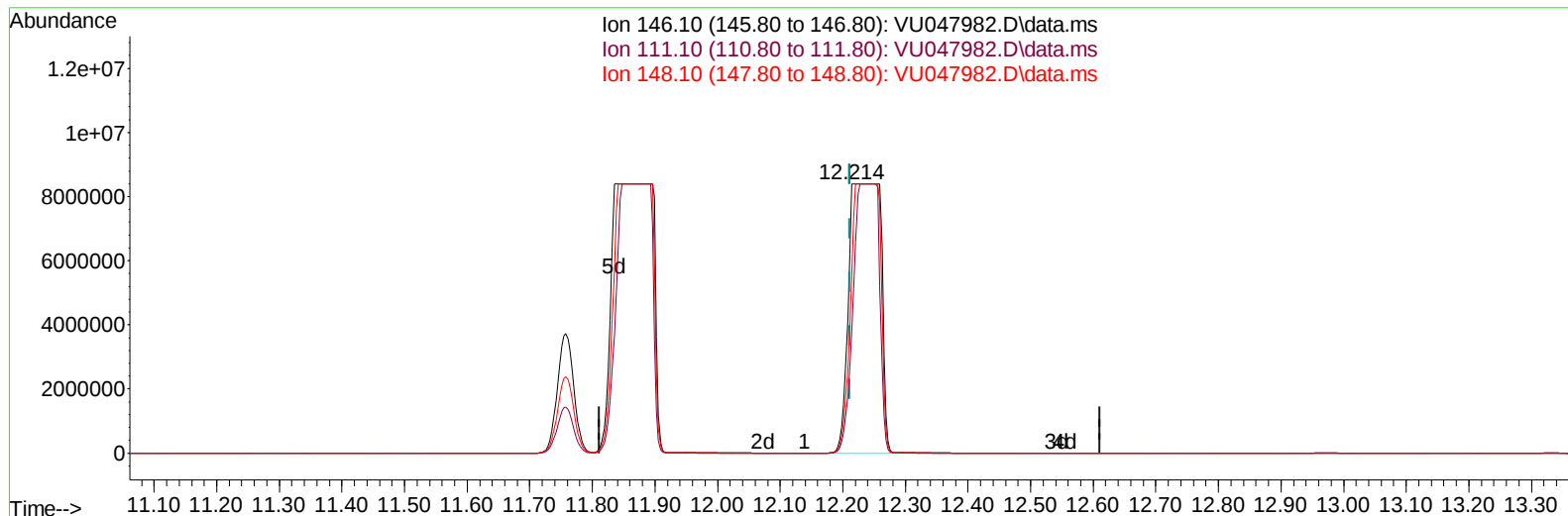
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TIC: VU047982.D\data.ms

(67) 1,2-Dichlorobenzene (T)

12.214min (+ 0.003) 3280.13 ug/L m

response 29520822

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 146.10 | 100.00 | 100.00 |
| 111.10 | 39.60  | 45.38  |
| 148.10 | 64.30  | 66.12  |
| 0.00   | 0.00   | 0.00   |

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| Compound                      | R.T.     | QIon  | Response  | Conc     | Units    | Dev(Min) |
|-------------------------------|----------|-------|-----------|----------|----------|----------|
| -----                         |          |       |           |          |          |          |
| Internal Standards            |          |       |           |          |          |          |
| 1) 1,4-Difluorobenzene        | 6.256    | 114   | 395951    | 50.000   | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 9.459    | 117   | 352255    | 50.000   | ug/L     | 0.04     |
| 58) 1,4-Dichlorobenzene-d4    | 11.838   | 152   | 299426    | 50.000   | ug/L     | # 0.03   |
| System Monitoring Compounds   |          |       |           |          |          |          |
| 4) Vinyl Chloride-d3          | 1.597    | 65    | 128466    | 44.741   | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 60 | - 135 | Recovery  | =        | 89.480%  |          |
| 7) Chloroethane-d5            | 1.912    | 69    | 106516    | 47.047   | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 70 | - 130 | Recovery  | =        | 94.100%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.568    | 63    | 158173    | 30.109   | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 60 | - 125 | Recovery  | =        | 60.220%  |          |
| 21) 2-Butanone-d5             | 4.623    | 46    | 206254    | 83.690   | ug/L     | 0.00     |
| Spiked Amount 100.000         | Range 40 | - 130 | Recovery  | =        | 83.690%  |          |
| 24) Chloroform-d              | 5.067    | 84    | 225973    | 43.012   | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 70 | - 125 | Recovery  | =        | 86.020%  |          |
| 26) 1,2-Dichloroethane-d4     | 5.713    | 65    | 169684m   | 52.661   | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 70 | - 125 | Recovery  | =        | 105.320% |          |
| 32) Benzene-d6                | 5.771    | 84    | 494243    | 55.760   | ug/L     | 0.04     |
| Spiked Amount 50.000          | Range 70 | - 125 | Recovery  | =        | 111.520% |          |
| 36) 1,2-Dichloropropane-d6    | 6.693    | 67    | 161364    | 59.279   | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 70 | - 120 | Recovery  | =        | 118.560% |          |
| 41) Toluene-d8                | 7.902    | 98    | 465166    | 53.864   | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 80 | - 120 | Recovery  | =        | 107.720% |          |
| 43) trans-1,3-Dichloroprop... | 8.182    | 79    | 66388     | 48.139   | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 60 | - 125 | Recovery  | =        | 96.280%  |          |
| 47) 2-Hexanone-d5             | 8.642    | 63    | 171366    | 107.538  | ug/L     | 0.00     |
| Spiked Amount 100.000         | Range 45 | - 130 | Recovery  | =        | 107.540% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.761   | 84    | 275190    | 58.906   | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 65 | - 120 | Recovery  | =        | 117.820% |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.214   | 152   | 254893    | 47.849   | ug/L     | 0.02     |
| Spiked Amount 50.000          | Range 80 | - 120 | Recovery  | =        | 95.700%  |          |
| Target Compounds              |          |       |           |          |          |          |
|                               |          |       |           |          | Qvalue   |          |
| 14) Carbon disulfide          | 2.797    | 76    | 7239      | 0.843    | ug/L     | 96       |
| 16) Methylene chloride        | 3.047    | 84    | 11078     | 3.554    | ug/L     | 93       |
| 20) cis-1,2-Dichloroethene    | 4.674    | 96    | 18342     | 5.711    | ug/L     | 95       |
| 25) Chloroform                | 5.089    | 83    | 68718     | 12.633   | ug/L     | 98       |
| 29) Cyclohexane               | 5.394    | 56    | 35379     | 9.898    | ug/L     | 95       |
| 33) Benzene                   | 5.761    | 78    | 63098257m | 6188.461 | ug/L     |          |
| 34) Trichloroethene           | 6.549    | 95    | 11356     | 4.248    | ug/L     | 97       |
| 35) Methylcyclohexane         | 6.767    | 83    | 6480      | 1.593    | ug/L     | # 72     |
| 42) Toluene                   | 7.973    | 91    | 79139     | 7.074    | ug/L     | 98       |
| 46) Tetrachloroethene         | 8.558    | 164   | 11480     | 4.779    | ug/L     | 95       |
| 51) Chlorobenzene             | 9.443    | 112   | 63839166m | 8404.043 | ug/L     |          |
| 64) 1,3-Dichlorobenzene       | 11.758   | 146   | 6785914   | 754.447  | ug/L     | 99       |
| 65) 1,4-Dichlorobenzene       | 11.835   | 146   | 37958991m | 4074.375 | ug/L     |          |
| 67) 1,2-Dichlorobenzene       | 12.214   | 146   | 29520822m | 3280.130 | ug/L     |          |
| 70) 1,2,4-trichlorobenzene    | 13.844   | 180   | 5731187   | 895.725  | ug/L     | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.330   | 180   | 276236    | 43.066   | ug/L     | 99       |
| -----                         |          |       |           |          |          |          |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU041222\  
Data File : VU047982.D  
Acq On : 13 Apr 2022 01:33  
Operator : SY/MD  
Sample : N2345-14  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 43 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0J94

**Manual IntegrationsAPPROVED**

Reviewed By :Krupa Patel 04/13/2022  
Supervised By :Mahesh Dadoda 04/13/2022

Quant Time: Apr 13 04:52:58 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM032422WMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed Apr 13 04:40:51 2022  
Response via : Initial Calibration

| Compound                                                                   | R.T. | Q | Ion | Response | Conc | Units | Dev | (Min) |
|----------------------------------------------------------------------------|------|---|-----|----------|------|-------|-----|-------|
| -----                                                                      |      |   |     |          |      |       |     |       |
| (#) = qualifier out of range (m) = manual integration (+) = signals summed |      |   |     |          |      |       |     |       |

## Manual IntegrationsAPPROVED

Quant Time: Apr 13 04:52:58 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM032422WMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed Apr 13 04:40:51 2022  
Response via : Initial Calibration

