

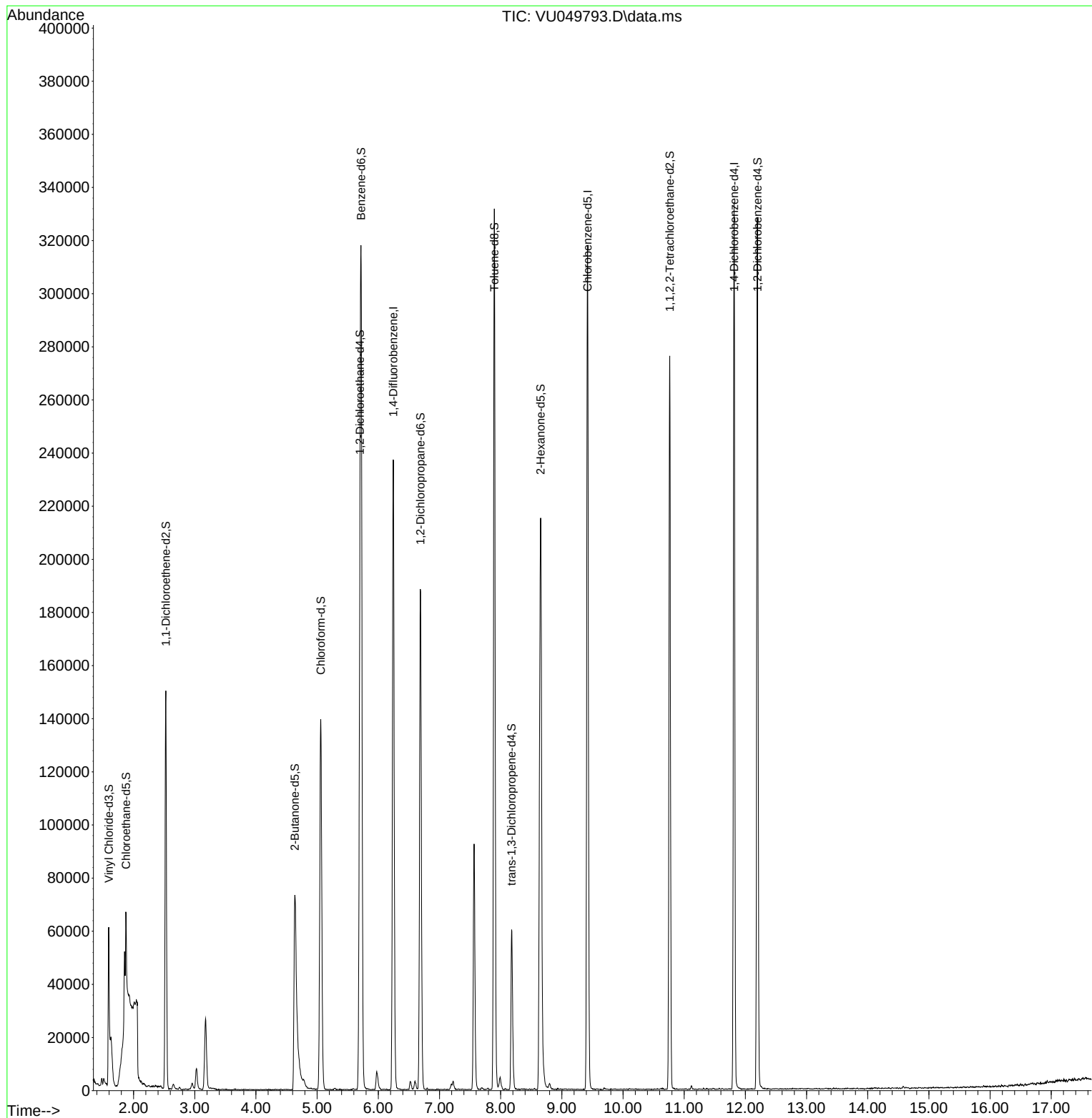
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU071922\  
Data File : VU049793.D  
Acq On : 19 Jul 2022 18:25  
Operator : SY/MD  
Sample : N3701-02ME  
Misc : 5.75g/5.0mL/100uL/5.0mL/MSVOA\_U/MEOH  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
F5B63ME

Manual IntegrationsAPPROVED

Quant Time: Jul 20 02:19:30 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM071122WMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Jul 19 02:09:49 2022  
Response via : Initial Calibration

Reviewed By :John Carlone 07/20/2022  
Supervised By :Mahesh Dadoda 07/20/2022



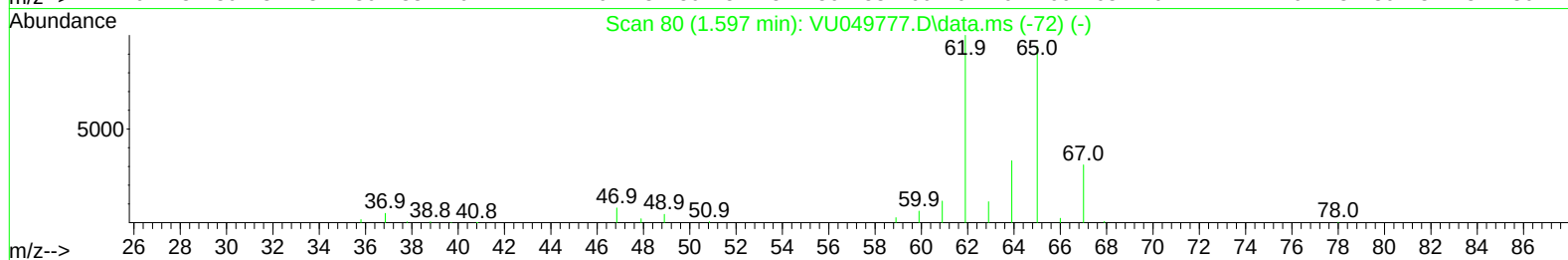
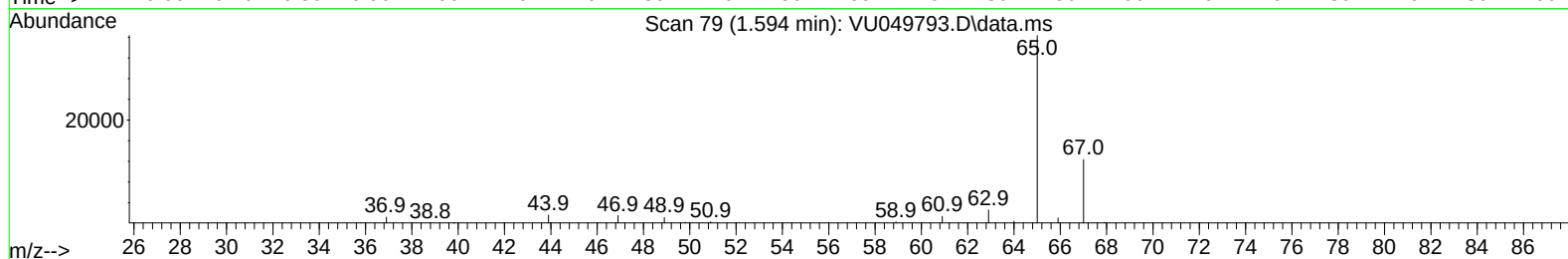
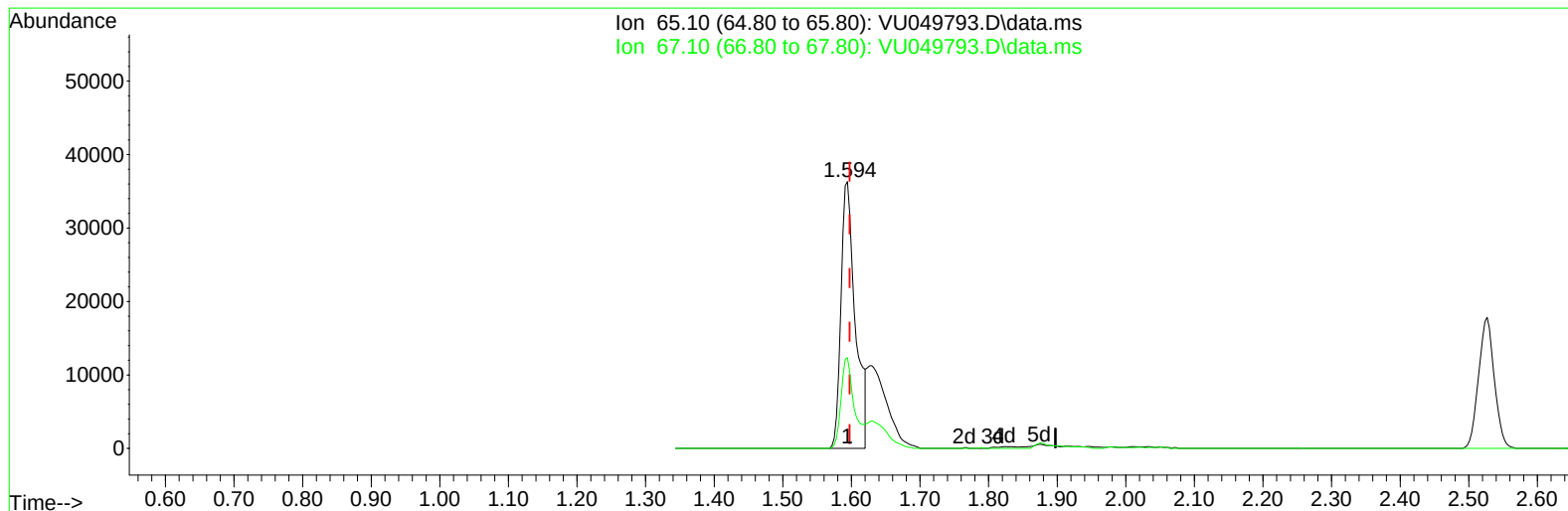
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## (4) Vinyl Chloride-d3 (S)

1.594min (-0.003) 33.98 ug/L

response 52899

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 65.10 | 100.00 | 100.00 |
| 67.10 | 31.10  | 30.82  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

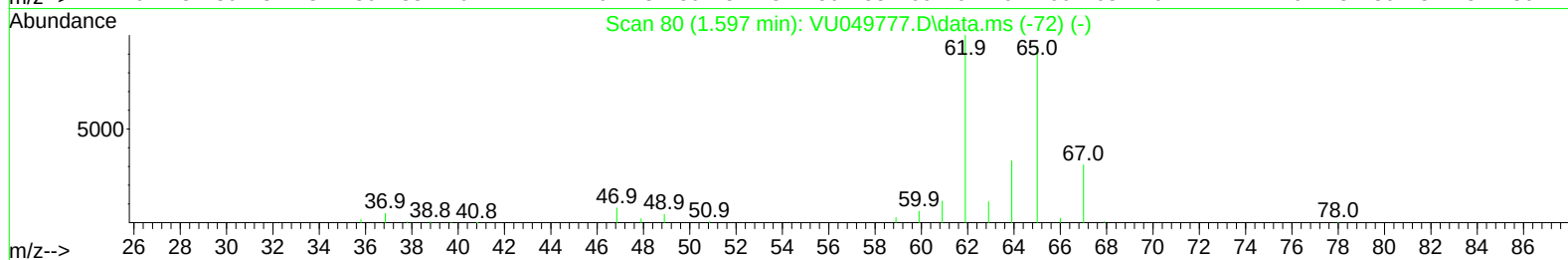
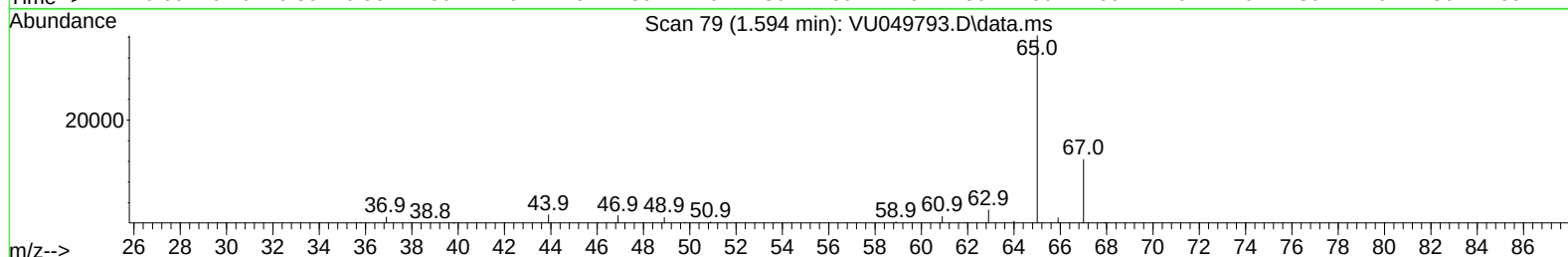
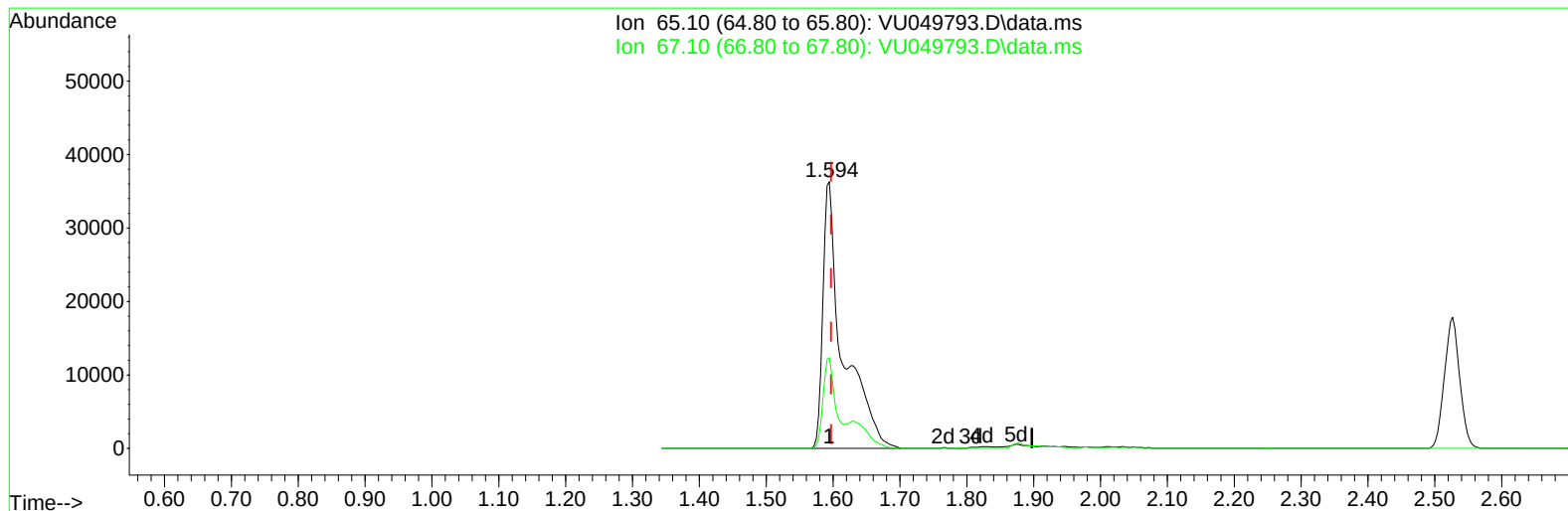
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## (4) Vinyl Chloride-d3 (S)

1.594min (-0.003) 48.63 ug/L m

response 75704

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 65.10 | 100.00 | 100.00 |
| 67.10 | 31.10  | 21.53# |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

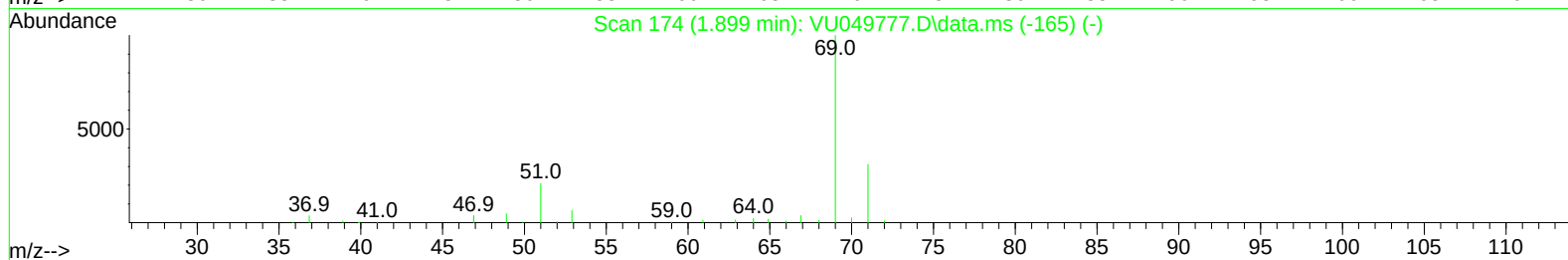
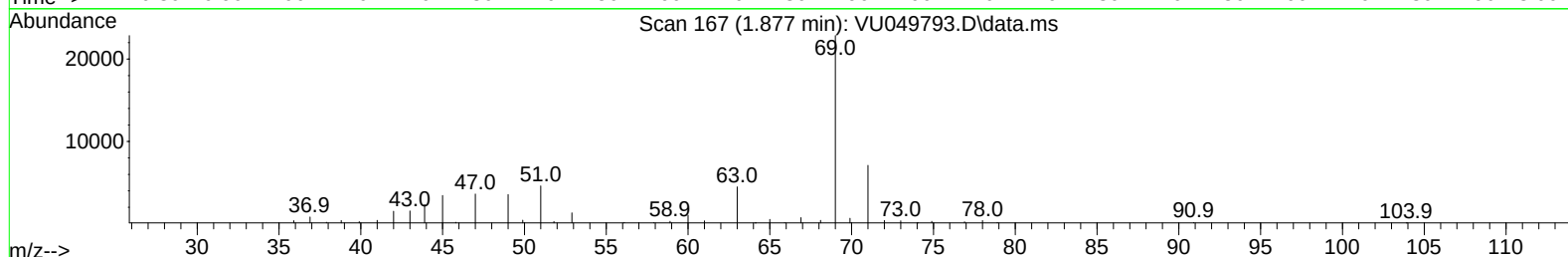
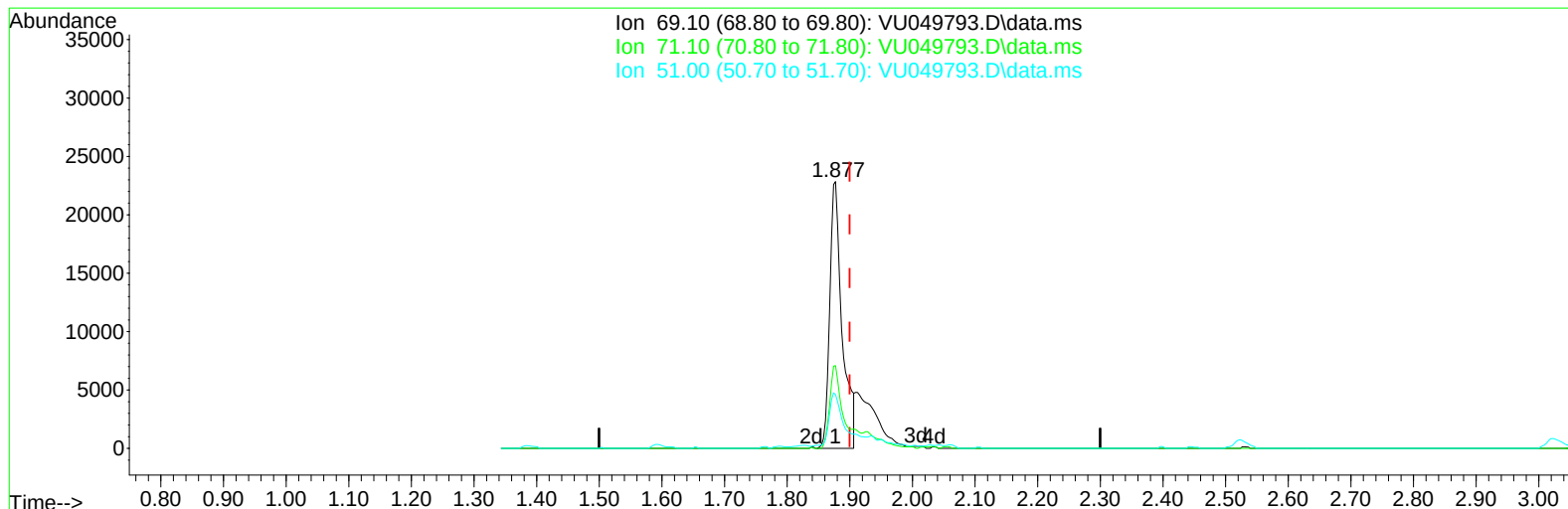
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## (7) Chloroethane-d5 (S)

1.877min (-0.022) 27.97 ug/L

response 31476

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 69.10 | 100.00 | 100.00 |
| 71.10 | 31.70  | 30.68  |
| 51.00 | 23.40  | 20.62  |
| 0.00  | 0.00   | 0.00   |

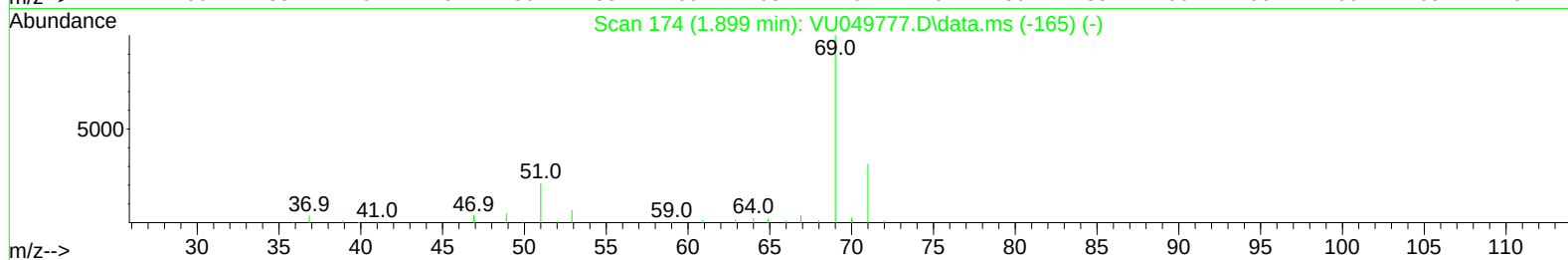
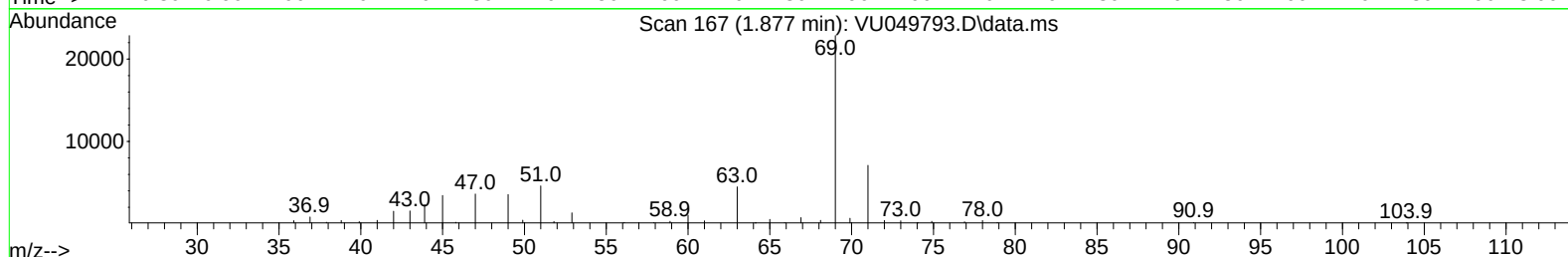
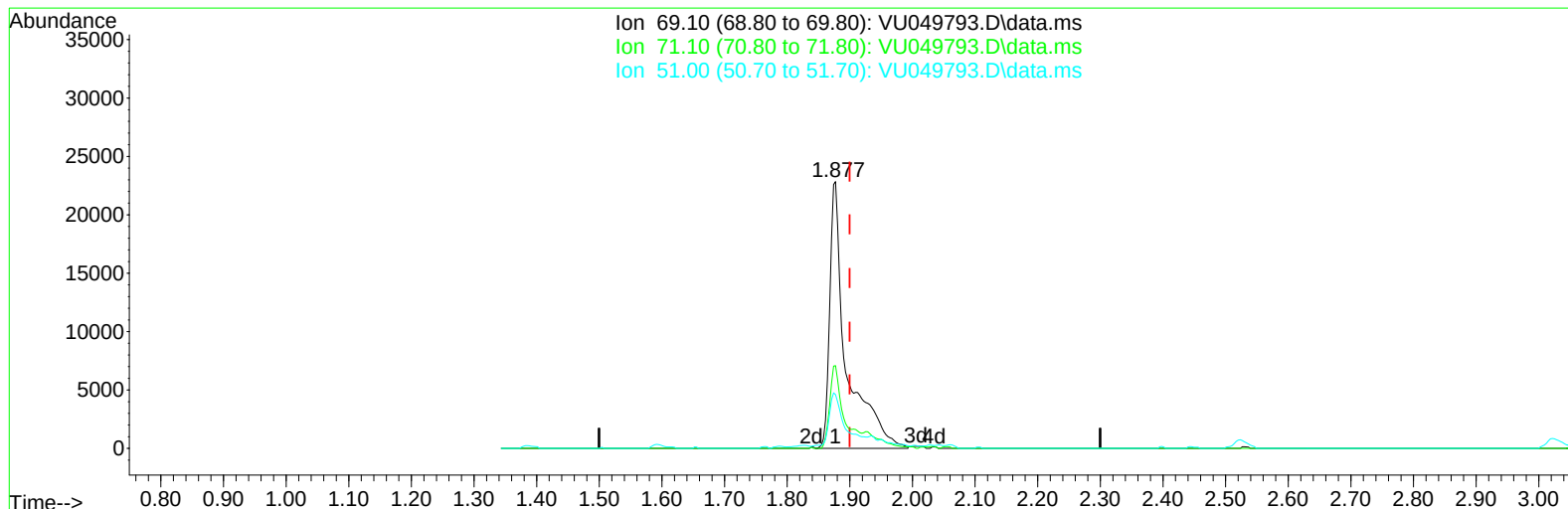
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Instrument :  
MSVOA\_U  
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## (7) Chloroethane-d5 (S)

1.877min (-0.022) 37.99 ug/L m

response 42749

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 69.10 | 100.00 | 100.00 |
| 71.10 | 31.70  | 22.59  |
| 51.00 | 23.40  | 15.18# |
| 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        | 6.247          | 114  | 184489     | 50.000   | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 9.420          | 117  | 179613     | 50.000   | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.816         | 152  | 81898      | 50.000   | ug/L  | 0.00     |
|                               |                |      |            |          |       |          |
| System Monitoring Compounds   |                |      |            |          |       |          |
| 4) Vinyl Chloride-d3          | 1.594          | 65   | 75704m     | 48.634   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 97.260%  |       |          |
| 7) Chloroethane-d5            | 1.877          | 69   | 42749m     | 37.993   | ug/L  | -0.02    |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 75.980%  |       |          |
| 11) 1,1-Dichloroethene-d2     | 2.527          | 63   | 92276      | 33.560   | ug/L  | -0.04    |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 67.120%  |       |          |
| 21) 2-Butanone-d5             | 4.636          | 46   | 148017     | 111.389  | ug/L  | 0.02     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 111.390% |       |          |
| 24) Chloroform-d              | 5.060          | 84   | 135808     | 49.259   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 98.520%  |       |          |
| 26) 1,2-Dichloroethane-d4     | 5.700          | 65   | 96980      | 51.974   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 103.940% |       |          |
| 32) Benzene-d6                | 5.719          | 84   | 257567     | 47.203   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 94.400%  |       |          |
| 36) 1,2-Dichloropropane-d6    | 6.687          | 67   | 91006      | 49.585   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 99.160%  |       |          |
| 41) Toluene-d8                | 7.896          | 98   | 215144     | 45.276   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 90.560%  |       |          |
| 43) trans-1,3-Dichloroprop... | 8.179          | 79   | 36906      | 47.726   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 95.460%  |       |          |
| 47) 2-Hexanone-d5             | 8.652          | 63   | 93137      | 112.812  | ug/L  | 0.02     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 112.810% |       |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.764         | 84   | 138651     | 53.990   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 107.980% |       |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.198         | 152  | 81068      | 52.500   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 105.000% |       |          |

Target Compounds Qvalue

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