

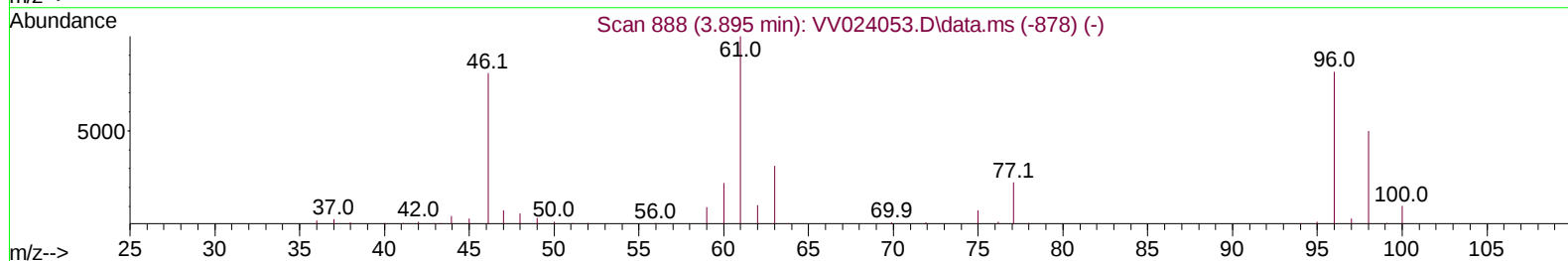
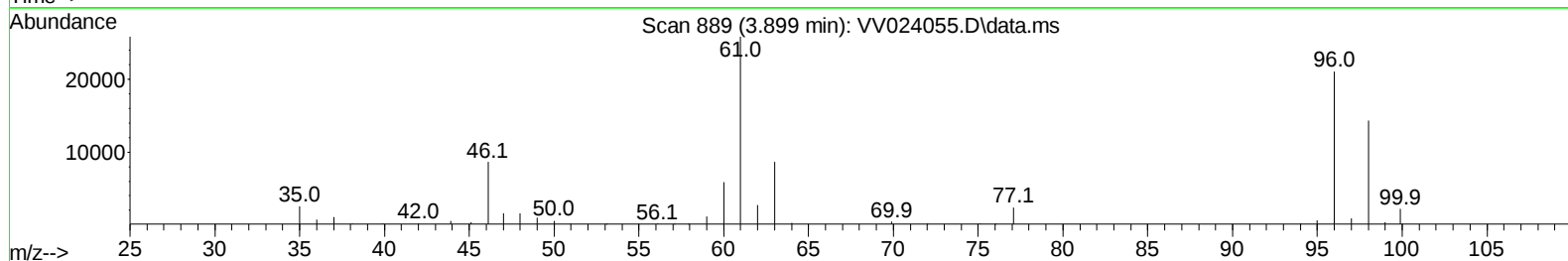
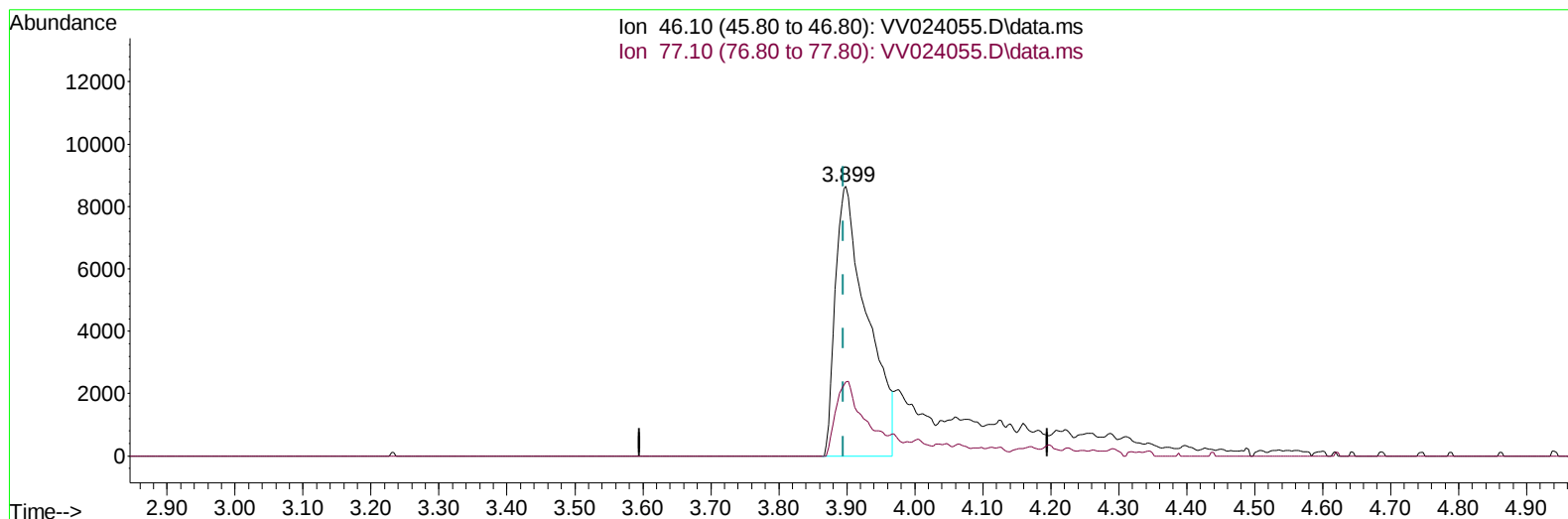
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV121721\  
 Data File : VV024055.D  
 Acq On : 17 Dec 2021 11:31  
 Operator : SY/MD  
 Sample : M5090-11DL 40X  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BG3C9DL

Manual IntegrationsAPPROVED

Quant Time: Dec 18 01:44:02 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR121021WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Dec 18 01:42:59 2021  
 Response via : Initial Calibration

Reviewed By :John Carlone 12/22/2021  
 Supervised By :Mahesh Dadoda 12/22/2021



TIC: VV024055.D\data.ms

**(20) 2-Butanone-d5 (S)**

**3.899min (+ 0.003) 28.78 ug/L**

**response 27933**

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 46.10 | 100.00 | 100.00 |
| 77.10 | 9.40   | 25.18# |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

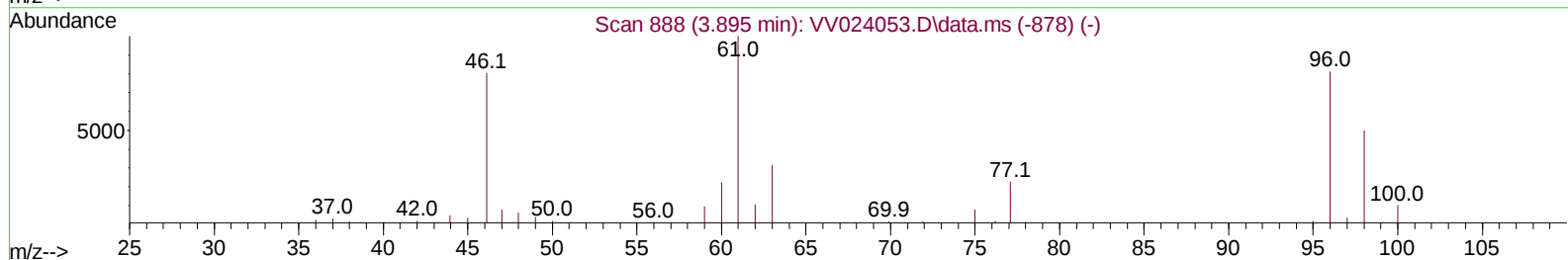
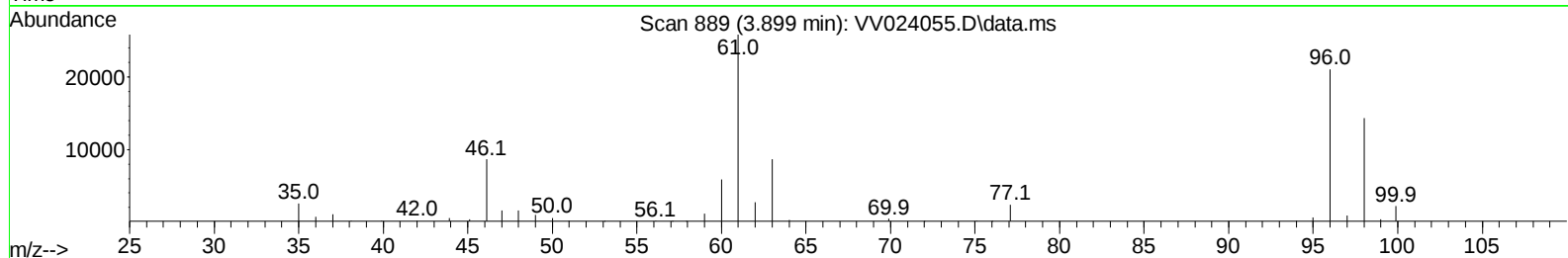
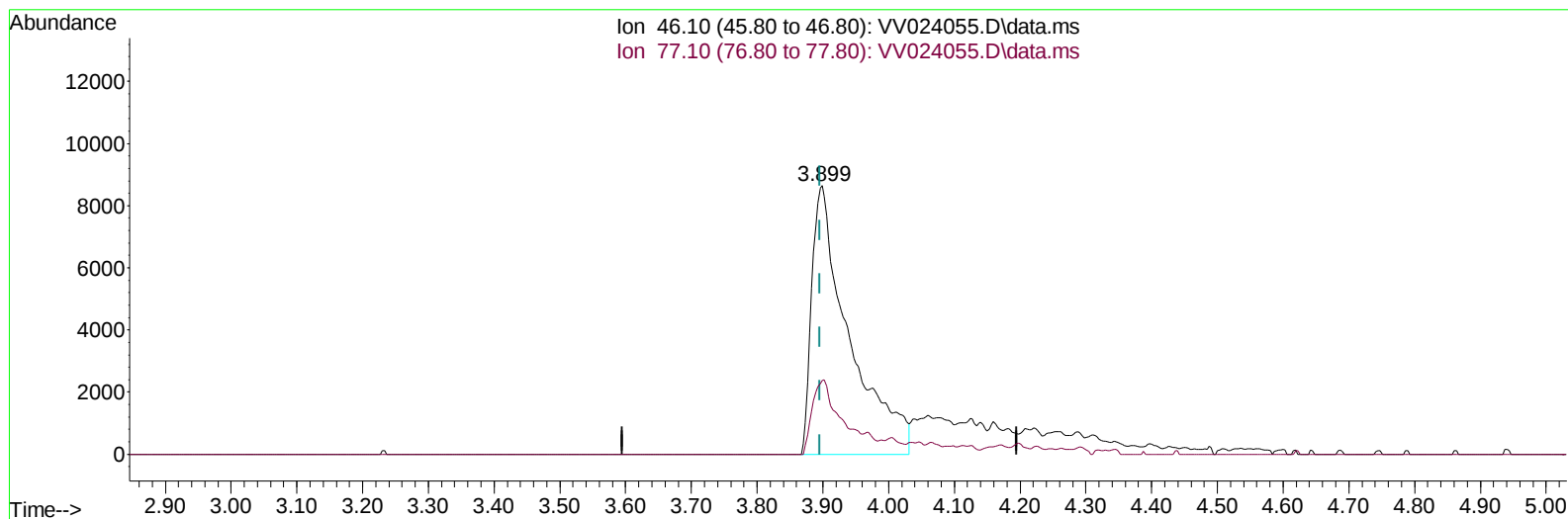
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TIC: VV024055.D\data.ms

## (20) 2-Butanone-d5 (S)

3.899min (+ 0.003) 34.96 ug/L m

response 33930

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 46.10 | 100.00 | 100.00 |
| 77.10 | 9.40   | 20.73# |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

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 MSVOA\_V  
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| Compound                      | R.T.           | QIon | Response   | Conc     | Units | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|-------|----------|
| -----                         |                |      |            |          |       |          |
| Internal Standards            |                |      |            |          |       |          |
| 1) 1,4-Difluorobenzene        | 5.613          | 114  | 92409      | 5.000    | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.850          | 117  | 96322      | 5.000    | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249         | 152  | 47076      | 5.000    | ug/L  | 0.00     |
|                               |                |      |            |          |       |          |
| System Monitoring Compounds   |                |      |            |          |       |          |
| 4) Vinyl Chloride-d3          | 1.304          | 65   | 21995      | 4.427    | ug/L  | 0.00     |
| Spiked Amount 5.000           | Range 40 - 130 |      | Recovery = | 88.600%  |       |          |
| 7) Chloroethane-d5            | 1.565          | 69   | 19043      | 4.594    | ug/L  | 0.00     |
| Spiked Amount 5.000           | Range 65 - 130 |      | Recovery = | 91.800%  |       |          |
| 11) 1,1-Dichloroethene-d2     | 2.105          | 63   | 35135      | 3.623    | ug/L  | 0.00     |
| Spiked Amount 5.000           | Range 60 - 125 |      | Recovery = | 72.400%  |       |          |
| 20) 2-Butanone-d5             | 3.899          | 46   | 33930m     | 34.959   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 40 - 130 |      | Recovery = | 69.920%  |       |          |
| 24) Chloroform-d              | 4.343          | 84   | 52004      | 4.621    | ug/L  | 0.00     |
| Spiked Amount 5.000           | Range 70 - 125 |      | Recovery = | 92.400%  |       |          |
| 26) 1,2-Dichloroethane-d4     | 5.027          | 65   | 24625      | 4.700    | ug/L  | 0.00     |
| Spiked Amount 5.000           | Range 70 - 130 |      | Recovery = | 94.000%  |       |          |
| 32) Benzene-d6                | 5.043          | 84   | 94689      | 4.963    | ug/L  | 0.00     |
| Spiked Amount 5.000           | Range 70 - 125 |      | Recovery = | 99.200%  |       |          |
| 36) 1,2-Dichloropropane-d6    | 6.066          | 67   | 26985      | 4.688    | ug/L  | 0.00     |
| Spiked Amount 5.000           | Range 60 - 140 |      | Recovery = | 93.800%  |       |          |
| 41) Toluene-d8                | 7.313          | 98   | 83623      | 4.869    | ug/L  | 0.00     |
| Spiked Amount 5.000           | Range 70 - 130 |      | Recovery = | 97.400%  |       |          |
| 43) trans-1,3-Dichloroprop... | 7.622          | 79   | 10378      | 4.346    | ug/L  | 0.00     |
| Spiked Amount 5.000           | Range 55 - 130 |      | Recovery = | 87.000%  |       |          |
| 46) 2-Hexanone-d5             | 8.088          | 63   | 32263      | 30.182   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 45 - 130 |      | Recovery = | 60.360%  |       |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.214         | 84   | 18995      | 3.978    | ug/L  | 0.00     |
| Spiked Amount 5.000           | Range 65 - 120 |      | Recovery = | 79.600%  |       |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.622         | 152  | 32295      | 5.136    | ug/L  | 0.00     |
| Spiked Amount 5.000           | Range 80 - 120 |      | Recovery = | 102.800% |       |          |
|                               |                |      |            |          |       |          |
| Target Compounds              |                |      |            |          |       |          |
| 5) vinyl chloride             | 1.307          | 62   | 6890       | 0.924    | ug/L  | 97       |
| 16) Methylene chloride        | 2.503          | 84   | 5250       | 0.647    | ug/L  | 96       |
| 18) trans-1,2-Dichloroethene  | 2.757          | 96   | 39131      | 5.702    | ug/L  | 98       |
| 22) cis-1,2-Dichloroethene    | 3.905          | 96   | 56485      | 7.775    | ug/L  | 99       |
| -----                         |                |      |            |          |       |          |

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

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