

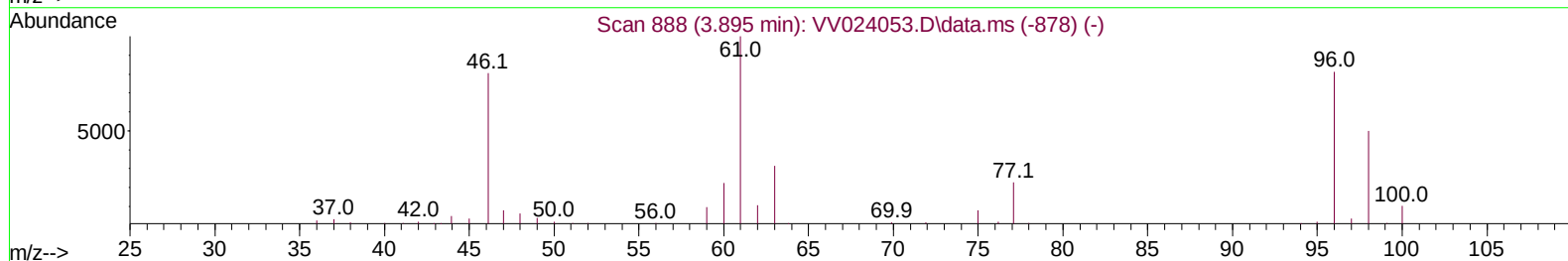
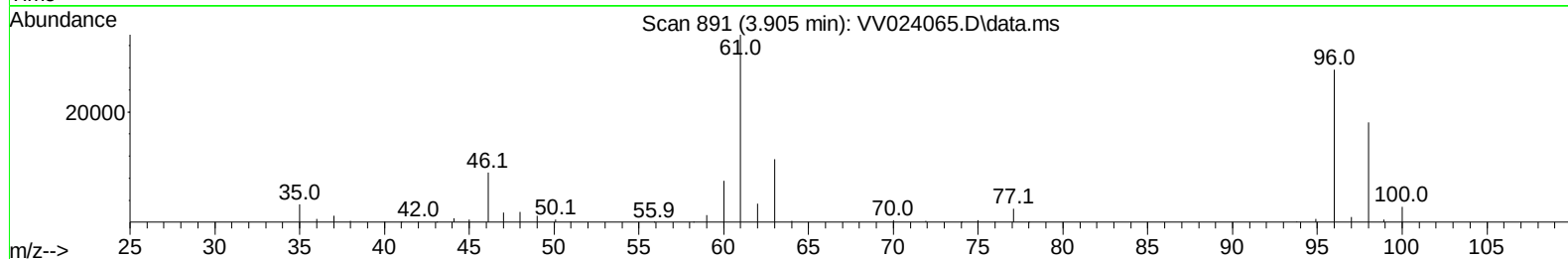
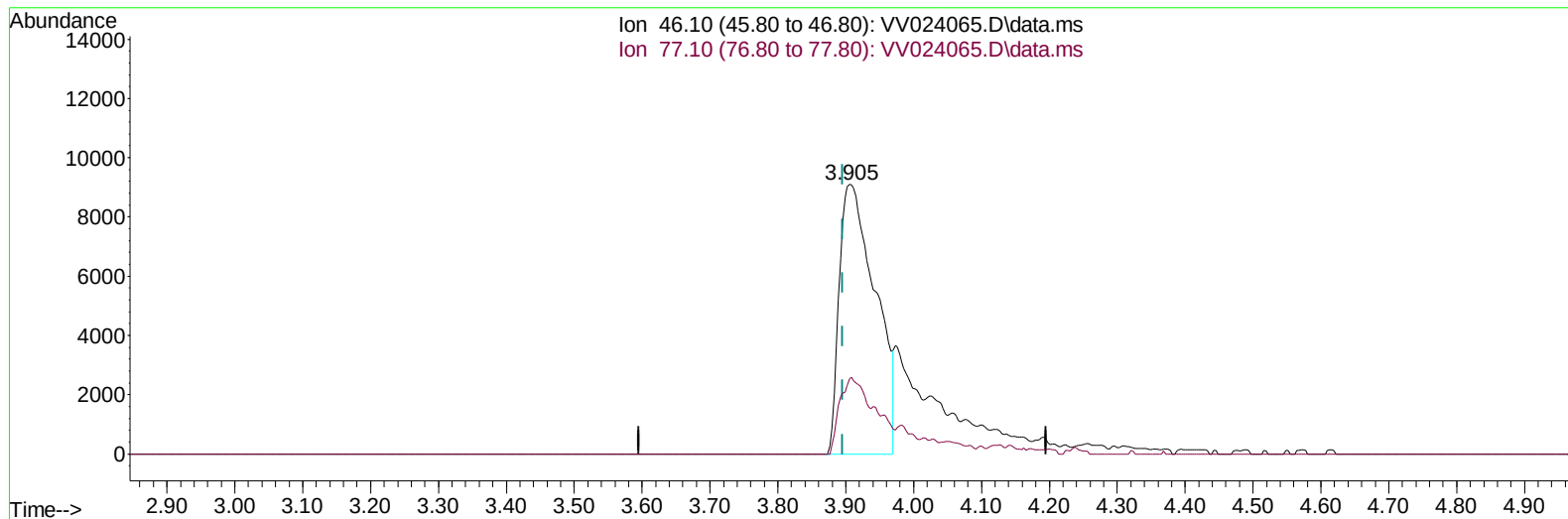
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV121721\  
Data File : VV024065.D  
Acq On : 17 Dec 2021 15:28  
Operator : SY/MD  
Sample : M5090-10DL 20X  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BG3C3DL

## Manual IntegrationsAPPROVED

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

Quant Time: Dec 18 01:46:31 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



TIC: VV024065.D\data.ms

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

3.905min (+ 0.010) 36.45 ug/L

response 33696

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 46.10 | 100.00 | 100.00 |
| 77.10 | 9.40   | 28.15# |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

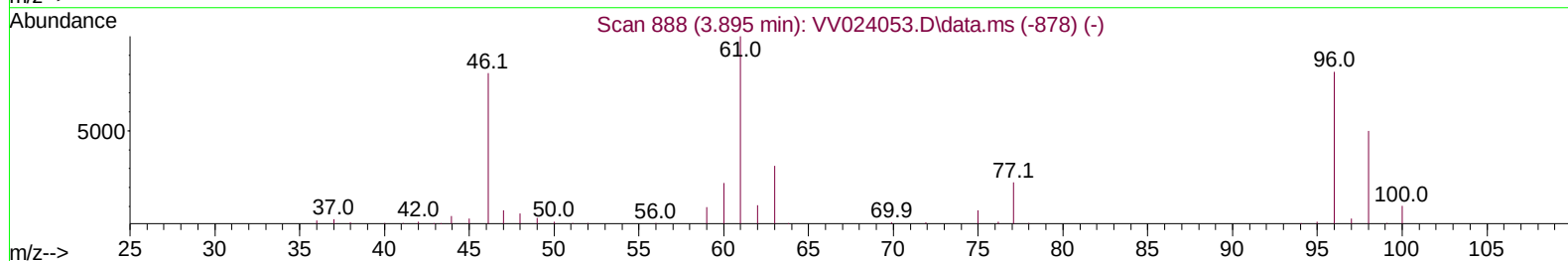
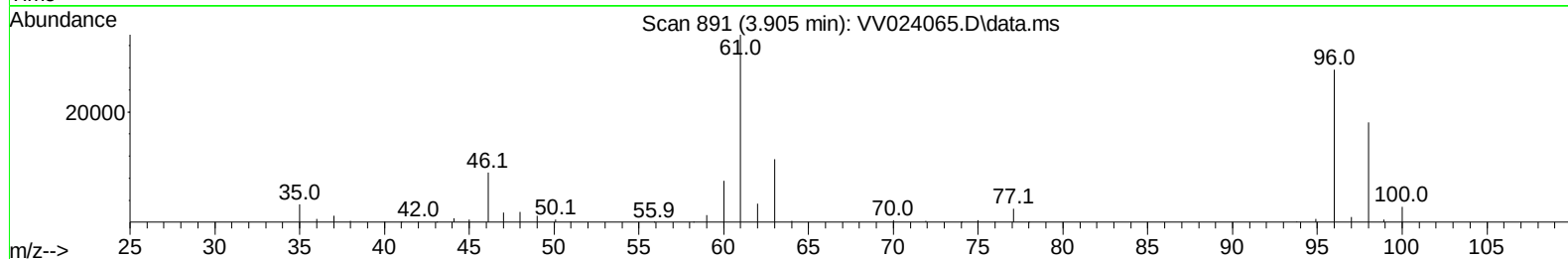
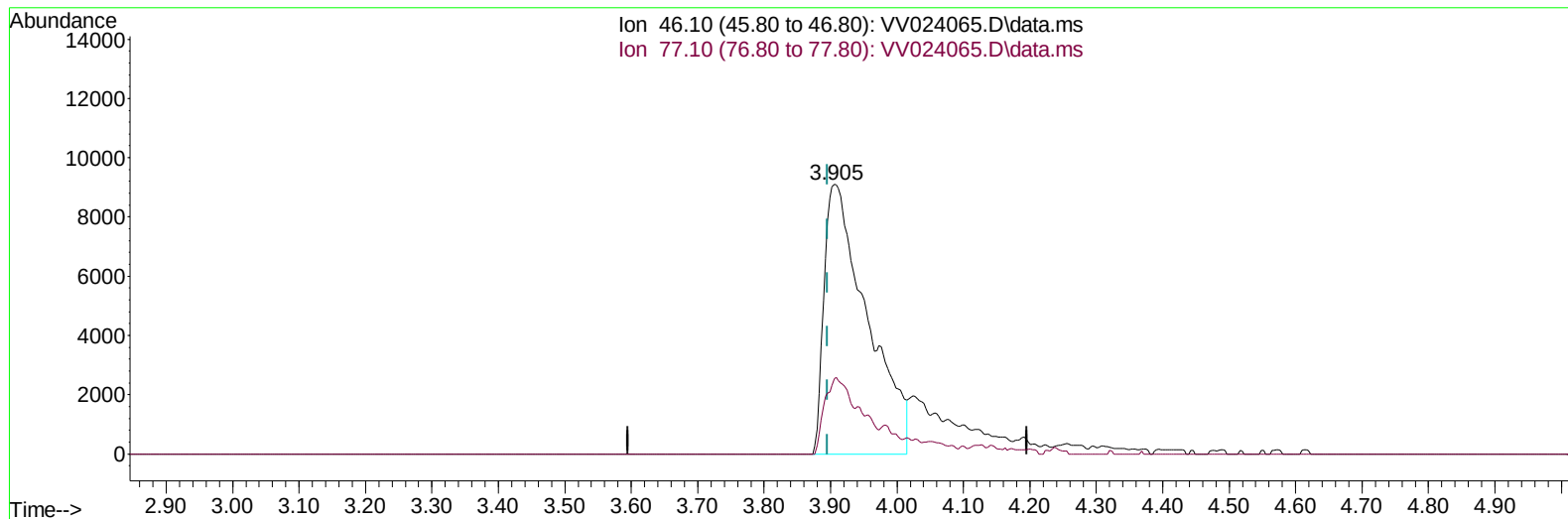
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TIC: VV024065.D\data.ms

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

3.905min (+ 0.010) 44.09 ug/L m

response 40759

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 46.10 | 100.00 | 100.00 |
| 77.10 | 9.40   | 23.27# |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

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Instrument :  
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Manual IntegrationsAPPROVED

Quant Time: Dec 18 01:46:31 2021  
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 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Dec 18 01:42:59 2021  
 Response via : Initial Calibration

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| Compound                      | R.T.           | QIon | Response   | Conc     | Units | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|-------|----------|
| -----                         |                |      |            |          |       |          |
| Internal Standards            |                |      |            |          |       |          |
| 1) 1,4-Difluorobenzene        | 5.619          | 114  | 88025      | 5.000    | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.854          | 117  | 91374      | 5.000    | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249         | 152  | 45128      | 5.000    | ug/L  | 0.00     |
|                               |                |      |            |          |       |          |
| System Monitoring Compounds   |                |      |            |          |       |          |
| 4) Vinyl Chloride-d3          | 1.304          | 65   | 21620      | 4.569    | ug/L  | 0.00     |
| Spiked Amount 5.000           | Range 40 - 130 |      | Recovery = | 91.400%  |       |          |
| 7) Chloroethane-d5            | 1.564          | 69   | 19319      | 4.893    | ug/L  | 0.00     |
| Spiked Amount 5.000           | Range 65 - 130 |      | Recovery = | 97.800%  |       |          |
| 11) 1,1-Dichloroethene-d2     | 2.105          | 63   | 34133      | 3.695    | ug/L  | 0.00     |
| Spiked Amount 5.000           | Range 60 - 125 |      | Recovery = | 74.000%  |       |          |
| 20) 2-Butanone-d5             | 3.905          | 46   | 40759m     | 44.087   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 40 - 130 |      | Recovery = | 88.180%  |       |          |
| 24) Chloroform-d              | 4.349          | 84   | 52287      | 4.878    | ug/L  | 0.00     |
| Spiked Amount 5.000           | Range 70 - 125 |      | Recovery = | 97.600%  |       |          |
| 26) 1,2-Dichloroethane-d4     | 5.034          | 65   | 24644      | 4.938    | ug/L  | 0.00     |
| Spiked Amount 5.000           | Range 70 - 130 |      | Recovery = | 98.800%  |       |          |
| 32) Benzene-d6                | 5.053          | 84   | 96164      | 5.314    | ug/L  | 0.00     |
| Spiked Amount 5.000           | Range 70 - 125 |      | Recovery = | 106.200% |       |          |
| 36) 1,2-Dichloropropane-d6    | 6.072          | 67   | 28182      | 5.161    | ug/L  | 0.00     |
| Spiked Amount 5.000           | Range 60 - 140 |      | Recovery = | 103.200% |       |          |
| 41) Toluene-d8                | 7.317          | 98   | 81455      | 4.999    | ug/L  | 0.00     |
| Spiked Amount 5.000           | Range 70 - 130 |      | Recovery = | 100.000% |       |          |
| 43) trans-1,3-Dichloroprop... | 7.629          | 79   | 10589      | 4.675    | ug/L  | 0.00     |
| Spiked Amount 5.000           | Range 55 - 130 |      | Recovery = | 93.400%  |       |          |
| 46) 2-Hexanone-d5             | 8.092          | 63   | 33316      | 32.855   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 45 - 130 |      | Recovery = | 65.720%  |       |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217         | 84   | 18364      | 4.054    | ug/L  | 0.00     |
| Spiked Amount 5.000           | Range 65 - 120 |      | Recovery = | 81.000%  |       |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.625         | 152  | 31742      | 5.266    | ug/L  | 0.00     |
| Spiked Amount 5.000           | Range 80 - 120 |      | Recovery = | 105.400% |       |          |
|                               |                |      |            |          |       |          |
| Target Compounds              |                |      |            |          |       |          |
| 5) vinyl chloride             | 1.307          | 62   | 39221      | 5.524    | ug/L  | 98       |
| 16) Methylene chloride        | 2.510          | 84   | 2661       | 0.344    | ug/L  | 88       |
| 18) trans-1,2-Dichloroethene  | 2.761          | 96   | 7518       | 1.150    | ug/L  | 92       |
| 22) cis-1,2-Dichloroethene    | 3.912          | 96   | 71787      | 10.374   | ug/L  | 99       |
| -----                         |                |      |            |          |       |          |

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

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ALS Vial : 14 Sample Multiplier: 3

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