

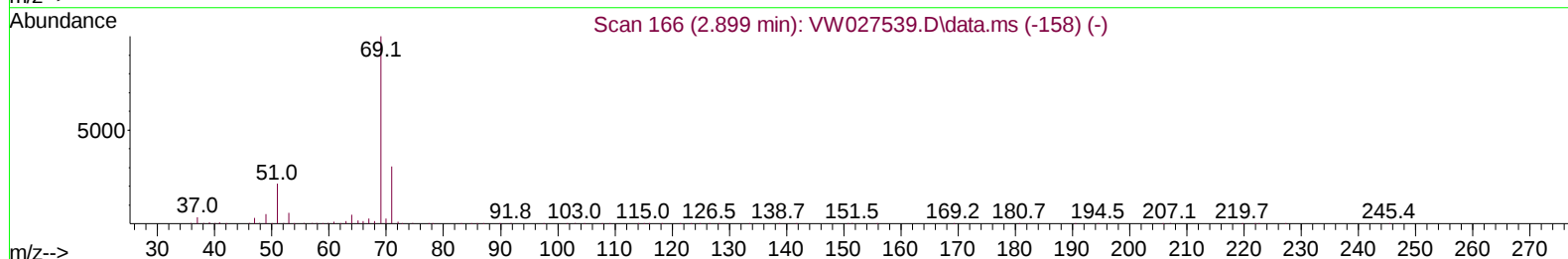
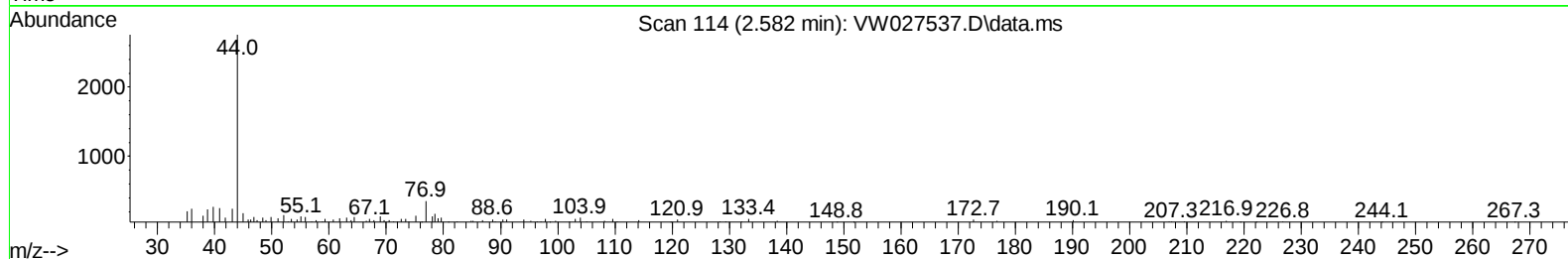
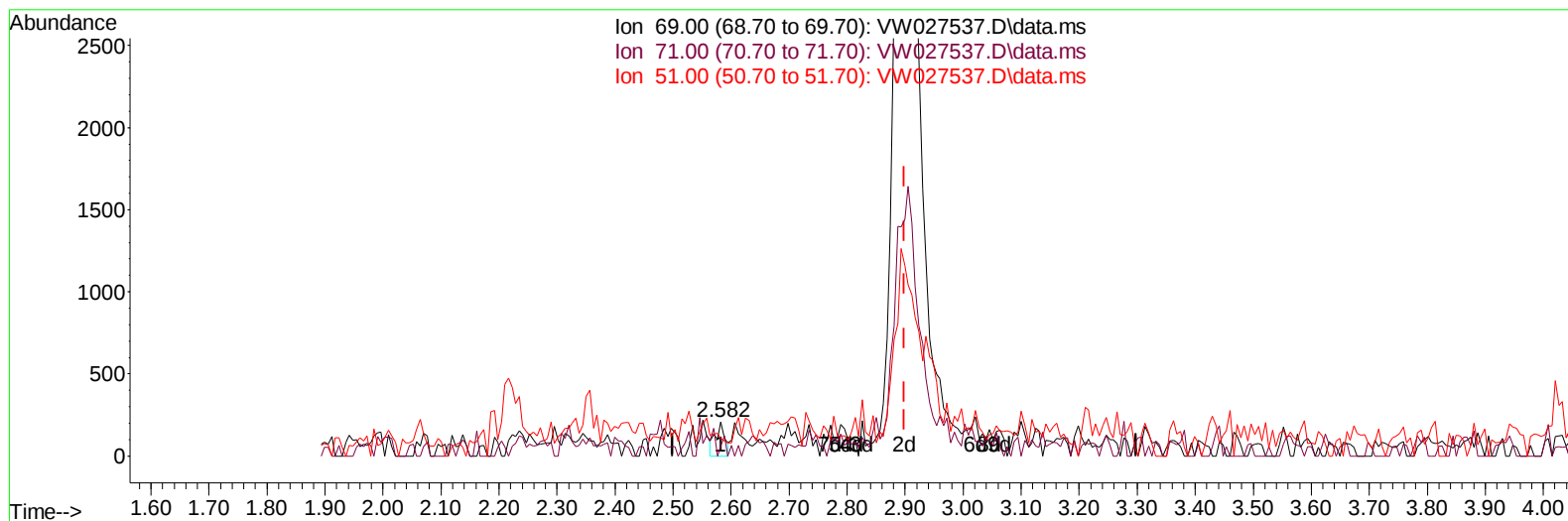
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW110623\  
 Data File : VW027537.D  
 Acq On : 06 Nov 2023 08:56  
 Operator : SY/MD  
 Sample : VSTD2.566  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD2.5466

Manual IntegrationsAPPROVED

Quant Time: Nov 07 00:24:47 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM110623SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Tue Nov 07 00:24:09 2023  
 Response via : Initial Calibration

Reviewed By :Semsettin Yesilyurt 11/08/2023  
 Supervised By :Mahesh Dadoda 11/09/2023



TIC: VW027537.D\data.ms

(7) Chloroethane-d5 (S)

2.582min (-0.317) 0.04 ug/L

response 229

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 69.00 | 100.00 | 100.00 |
| 71.00 | 32.00  | 29.26  |
| 51.00 | 26.10  | 23.14  |
| 0.00  | 0.00   | 0.00   |

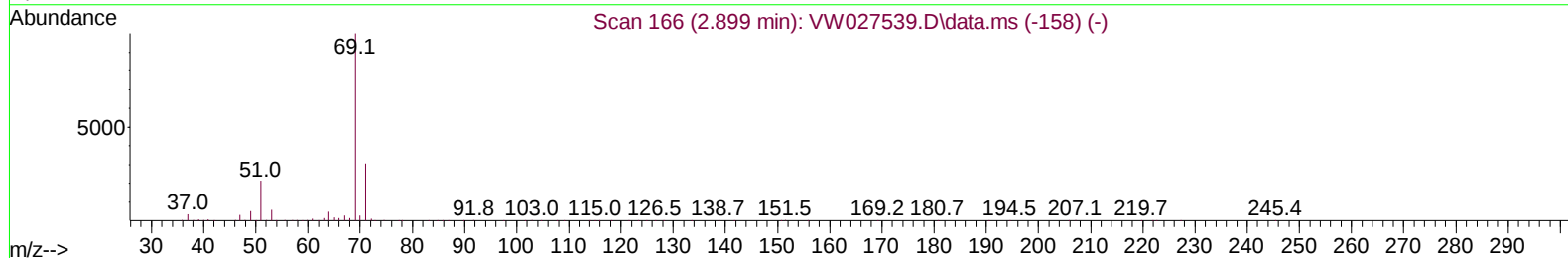
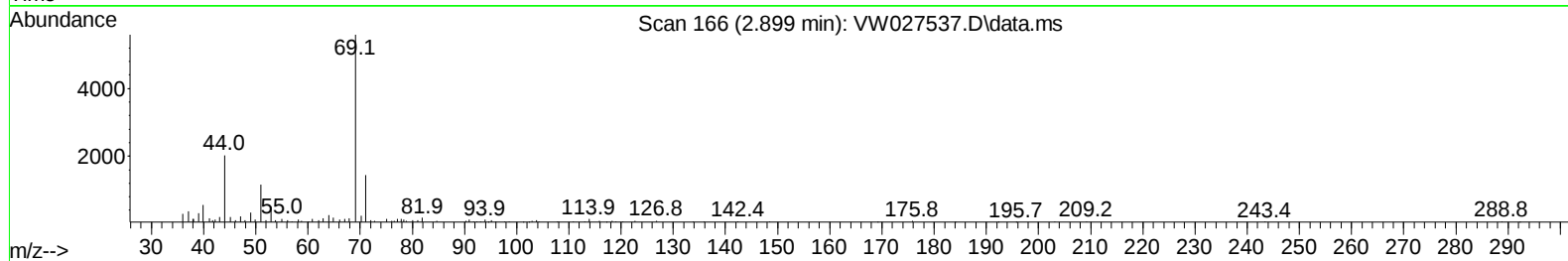
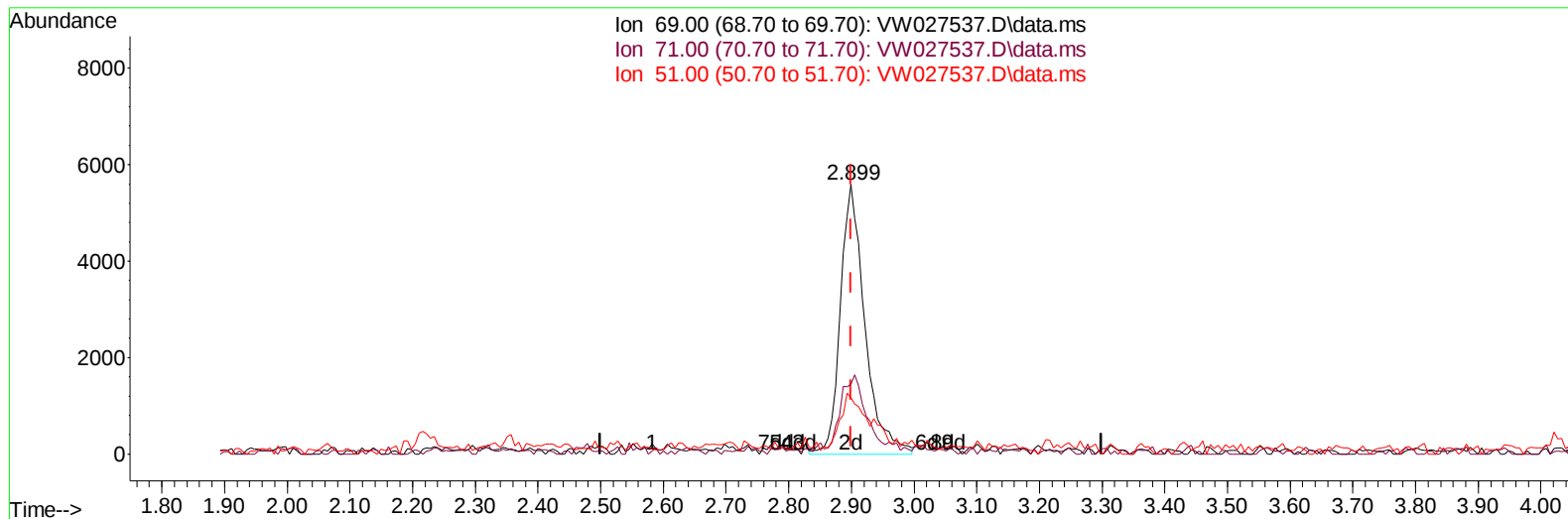
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TIC: VW027537.D\data.ms

(7) Chloroethane-d5 (S)

2.899min (+ 0.000) 2.71 ug/L m

response 15200

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 69.00 | 100.00 | 100.00 |
| 71.00 | 32.00  | 0.44#  |
| 51.00 | 26.10  | 0.35#  |
| 0.00  | 0.00   | 0.00   |

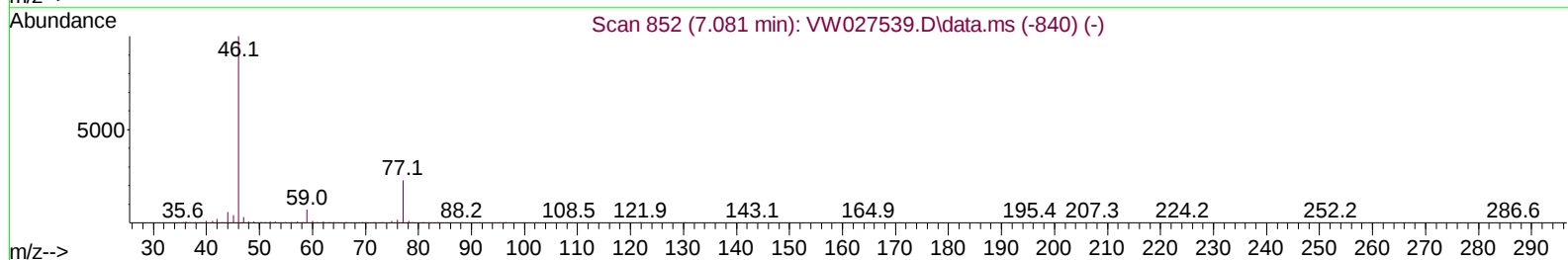
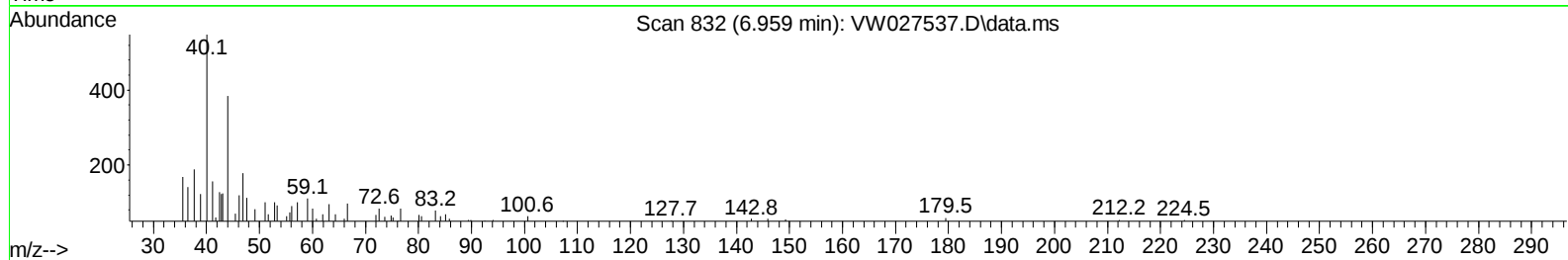
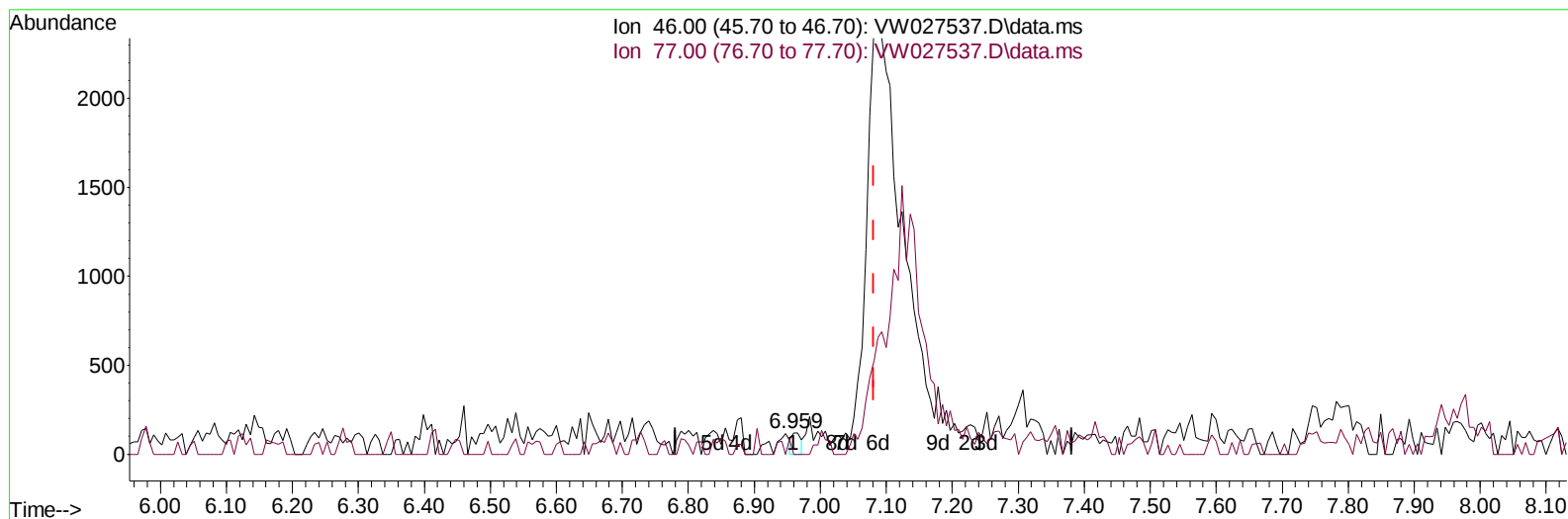
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 Data File : VW027537.D  
 Acq On : 06 Nov 2023 08:56  
 Operator : SY/MD  
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Instrument :  
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 VSTD2.5466

Manual IntegrationsAPPROVED

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TIC: VW027537.D\data.ms

**(21) 2-Butanone-d5 (S)**

**6.959min (-0.122) 0.07 ug/L**

**response 117**

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 46.00 | 100.00 | 100.00 |
| 77.00 | 25.90  | 26.50  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

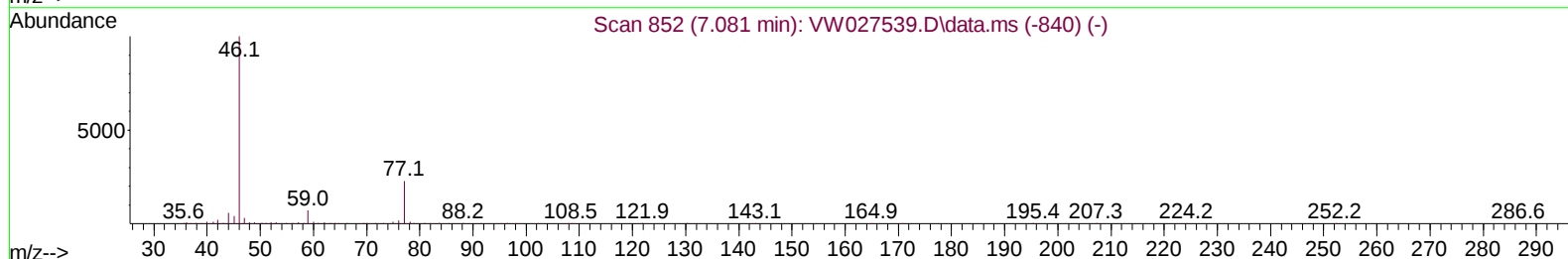
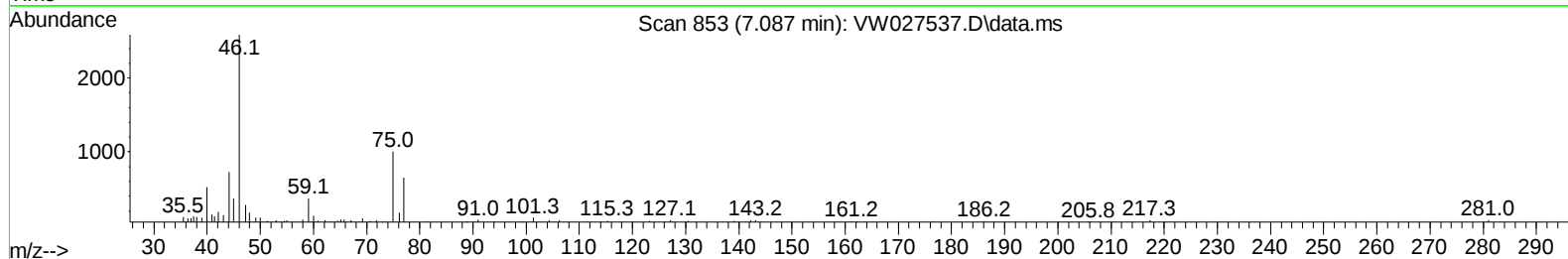
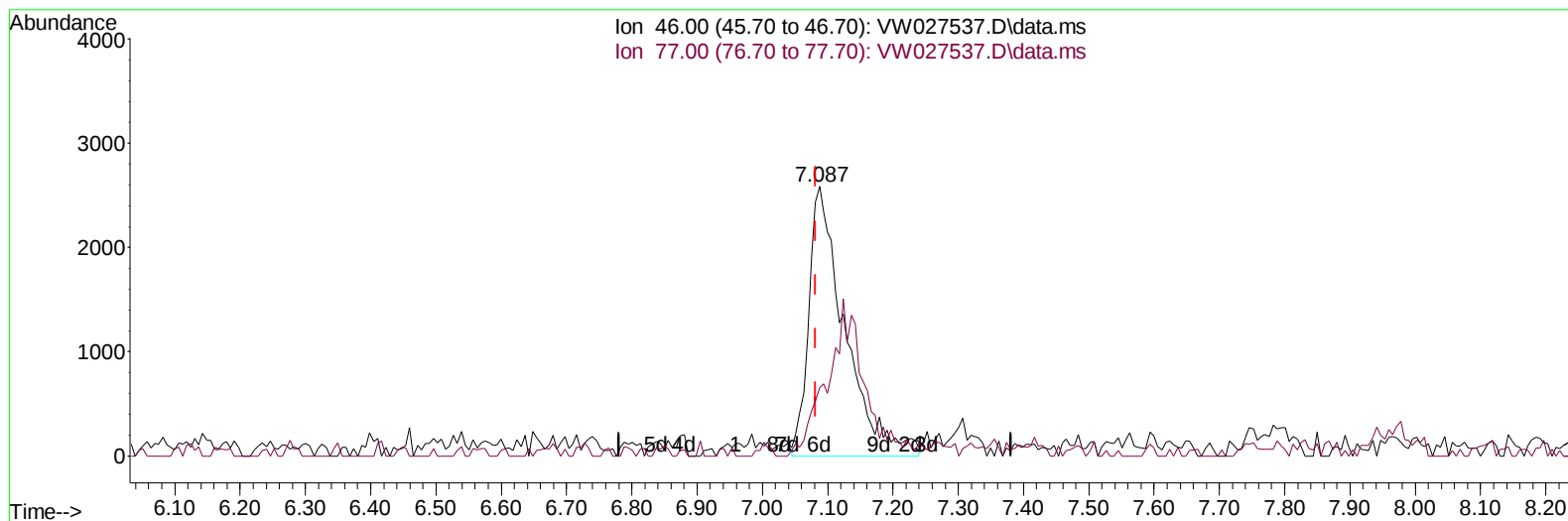
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 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD2.5466

## Manual IntegrationsAPPROVED

Reviewed By :Semsettin Yesilyurt 11/08/2023  
 Supervised By :Mahesh Dadoda 11/09/2023

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TIC: VW027537.D\data.ms

## (21) 2-Butanone-d5 (S)

7.087min (+ 0.006) 5.60 ug/L m

response 9880

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 46.00 | 100.00 | 100.00 |
| 77.00 | 25.90  | 0.31#  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

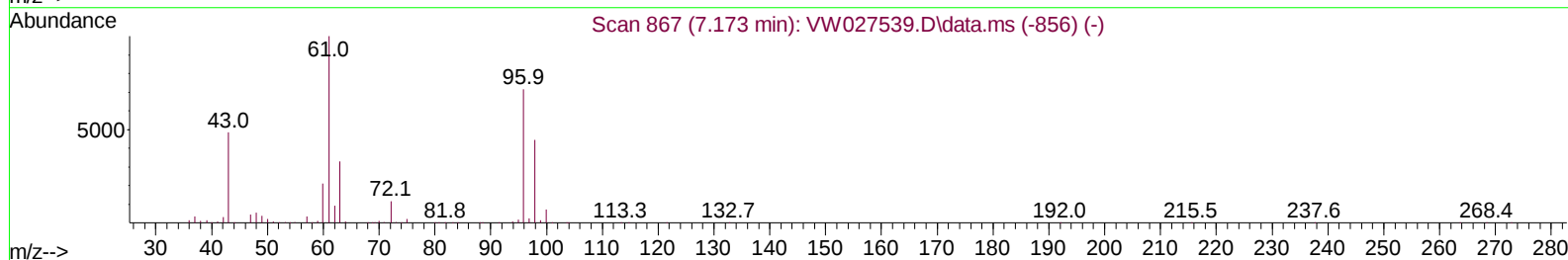
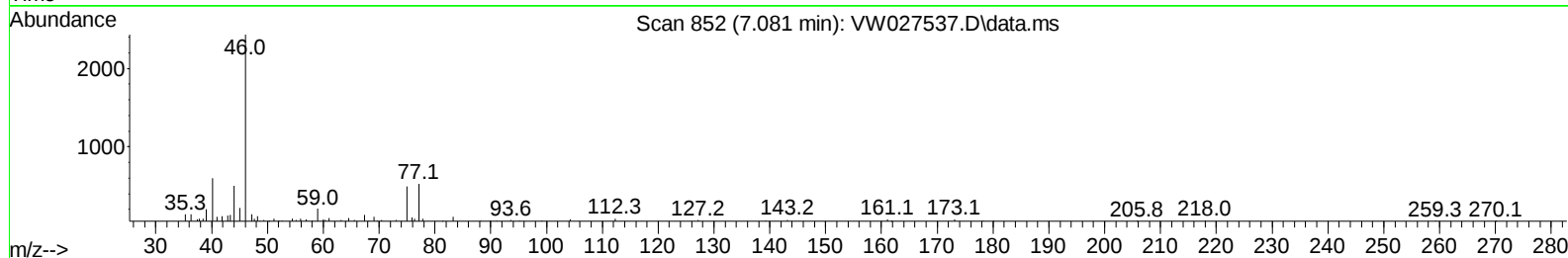
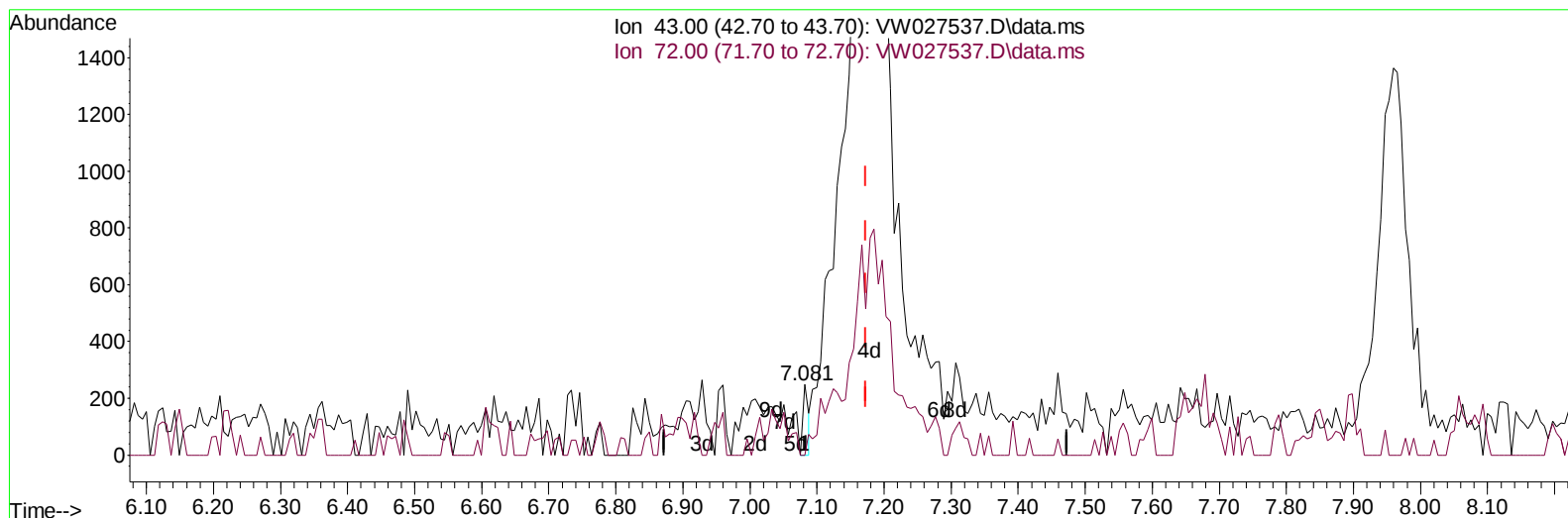
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 Data File : VW027537.D  
 Acq On : 06 Nov 2023 08:56  
 Operator : SY/MD  
 Sample : VSTD2.566  
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 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD2.5466

Manual IntegrationsAPPROVED

Quant Time: Nov 07 00:24:47 2023  
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 Supervised By :Mahesh Dadoda 11/09/2023



TIC: VW027537.D\data.ms

**(22) 2-Butanone (T)**

7.081min (-0.091) 0.06 ug/L

response 144

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 43.00 | 100.00 | 100.00 |
| 72.00 | 24.60  | 32.64  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

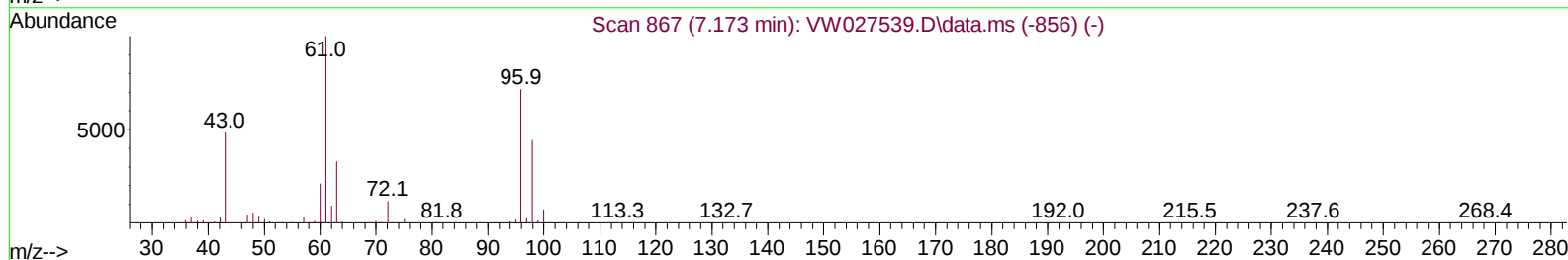
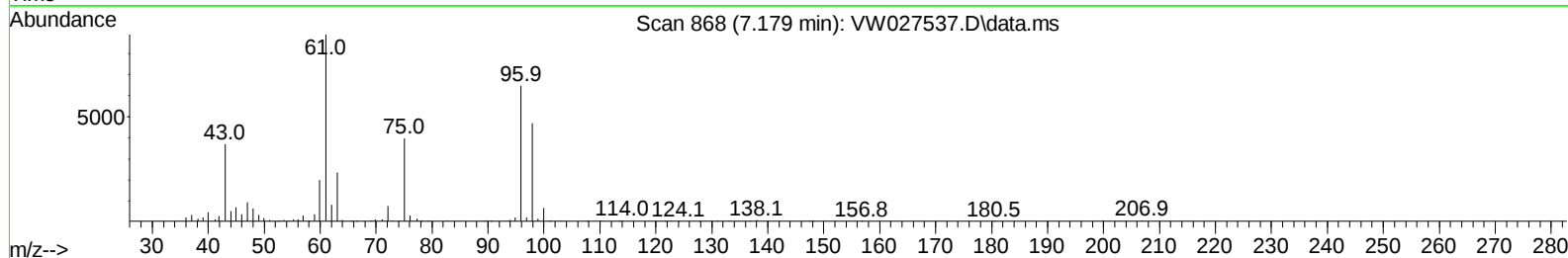
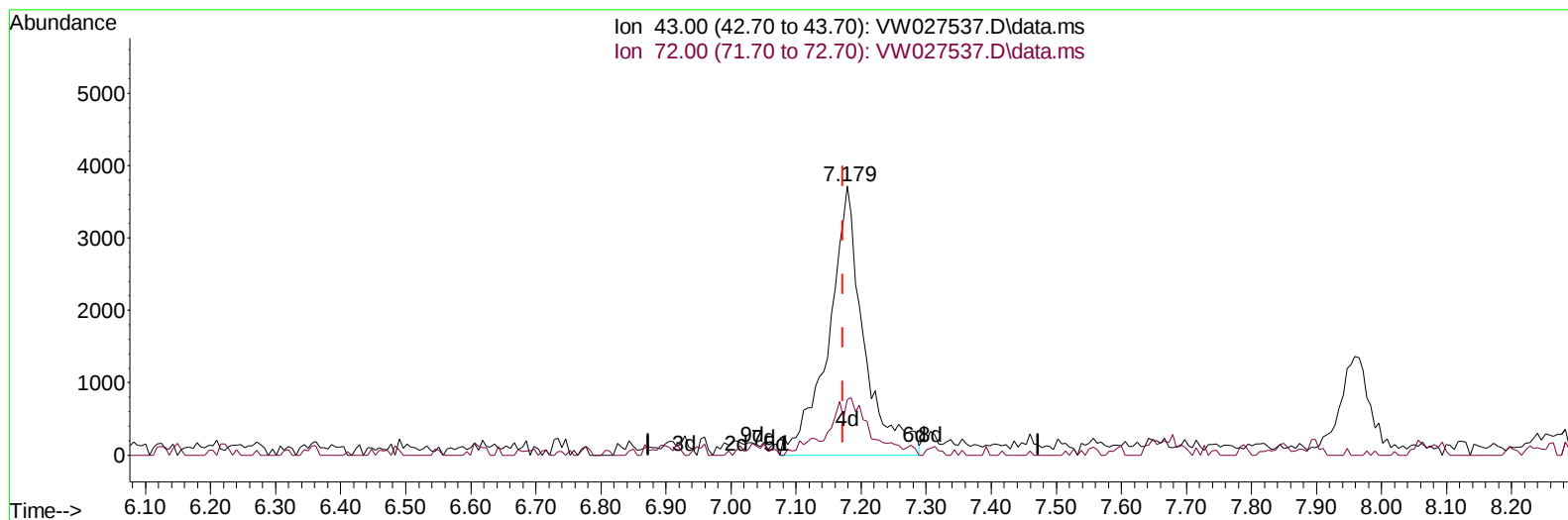
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 Data File : VW027537.D  
 Acq On : 06 Nov 2023 08:56  
 Operator : SY/MD  
 Sample : VSTD2.566  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD2.5466

Manual IntegrationsAPPROVED

Quant Time: Nov 07 00:24:47 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM110623SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Tue Nov 07 00:24:09 2023  
 Response via : Initial Calibration

Reviewed By :Semsettin Yesilyurt 11/08/2023  
 Supervised By :Mahesh Dadoda 11/09/2023



TIC: VW027537.D\data.ms

**(22) 2-Butanone (T)**

7.179min (+ 0.006) 5.89 ug/L m

response 13951

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 43.00 | 100.00 | 100.00 |
| 72.00 | 24.60  | 0.34#  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\Vw110623\  
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 Sample : VSTD2.566  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
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 VSTD2.5466

Manual IntegrationsAPPROVED

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 Quant Title : SFAM01.0  
 QLast Update : Tue Nov 07 00:24:09 2023  
 Response via : Initial Calibration

Reviewed By :Semsettin Yesilyurt 11/08/2023  
 Supervised By :Mahesh Dadoda 11/09/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114  | 449558   | 25.000 | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117  | 408308   | 25.000 | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152  | 186174   | 25.000 | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 4) Vinyl Chloride-d3          | 2.363  | 65   | 21064    | 2.588  | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 2.899  | 69   | 15200m   | 2.710  | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 4.027  | 65   | 9679     | 2.728  | ug/L   | 0.00     |
| 21) 2-Butanone-d5             | 7.087  | 46   | 9880m    | 5.604  | ug/L   | 0.00     |
| 24) Chloroform-d              | 7.648  | 84   | 34094    | 2.599  | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65   | 17149    | 2.573  | ug/L   | 0.00     |
| 32) Benzene-d6                | 8.276  | 84   | 69592    | 2.549  | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 9.276  | 67   | 21645    | 2.567  | ug/L   | 0.00     |
| 41) Toluene-d8                | 10.325 | 98   | 59741    | 2.446  | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 10.581 | 79   | 7133     | 2.208  | ug/L   | 0.00     |
| 47) 2-Hexanone-d5             | 10.922 | 63   | 5697     | 4.438  | ug/L   | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84   | 13747    | 2.425  | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 13.855 | 152  | 18071    | 2.554  | ug/L   | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.021  | 85   | 11837    | 2.389  | ug/L   | 98       |
| 3) Chloromethane              | 2.216  | 50   | 17112    | 2.576  | ug/L   | 95       |
| 5) Vinyl chloride             | 2.375  | 62   | 20411    | 2.709  | ug/L   | 100      |
| 6) Bromomethane               | 2.789  | 94   | 11138    | 2.679  | ug/L   | 94       |
| 8) Chloroethane               | 2.936  | 64   | 11304    | 2.623  | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 3.271  | 101  | 14088    | 2.470  | ug/L   | 95       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.082  | 101  | 15319    | 2.688  | ug/L # | 68       |
| 12) 1,1-Dichloroethene        | 4.039  | 96   | 15628    | 2.634  | ug/L   | 87       |
| 13) Acetone                   | 4.125  | 43   | 9742     | 5.232  | ug/L   | 63       |
| 14) Carbon disulfide          | 4.393  | 76   | 53411    | 2.618  | ug/L   | 100      |
| 15) Methyl Acetate            | 4.673  | 43   | 7620     | 2.768  | ug/L # | 76       |
| 16) Methylene chloride        | 4.917  | 84   | 25549    | 3.482  | ug/L   | 98       |
| 17) trans-1,2-Dichloroethene  | 5.435  | 96   | 16494    | 2.625  | ug/L   | 95       |
| 18) Methyl tert-butyl Ether   | 5.435  | 73   | 25064    | 2.674  | ug/L # | 76       |
| 19) 1,1-Dichloroethane        | 6.228  | 63   | 33259    | 2.659  | ug/L   | 97       |
| 20) cis-1,2-Dichloroethene    | 7.167  | 96   | 18050    | 2.658  | ug/L   | 92       |
| 22) 2-Butanone                | 7.179  | 43   | 13951m   | 5.890  | ug/L   |          |
| 23) Bromochloromethane        | 7.520  | 128  | 7658     | 2.712  | ug/L   | 89       |
| 25) Chloroform                | 7.679  | 83   | 30875    | 2.659  | ug/L   | 93       |
| 27) 1,2-Dichloroethane        | 8.404  | 62   | 20304    | 2.657  | ug/L   | 96       |
| 29) Cyclohexane               | 7.953  | 56   | 31736    | 2.566  | ug/L   | 97       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 25801    | 2.700  | ug/L   | 99       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 21790    | 2.605  | ug/L   | 100      |
| 33) Benzene                   | 8.325  | 78   | 72000    | 2.669  | ug/L   | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 18467    | 2.648  | ug/L   | 96       |
| 35) Methylcyclohexane         | 9.337  | 83   | 32416    | 2.566  | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 9.368  | 63   | 18256    | 2.574  | ug/L # | 96       |
| 38) Bromodichloromethane      | 9.648  | 83   | 20688    | 2.564  | ug/L # | 97       |
| 39) cis-1,3-Dichloropropene   | 10.075 | 75   | 25209    | 2.404  | ug/L   | 91       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 19138    | 4.832  | ug/L   | 99       |
| 42) Toluene                   | 10.386 | 91   | 71134    | 2.541  | ug/L   | 99       |

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| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 19485    | 2.312 | ug/L   | 89       |
| 45) 1,1,2-Trichloroethane     | 10.788 | 97   | 12013    | 2.605 | ug/L   | 99       |
| 46) Tetrachloroethene         | 10.861 | 164  | 13233    | 2.644 | ug/L   | 93       |
| 48) 2-Hexanone                | 10.971 | 43   | 14323    | 4.544 | ug/L   | 97       |
| 49) Dibromochloromethane      | 11.129 | 129  | 11132    | 2.387 | ug/L   | 95       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 11636    | 2.692 | ug/L # | 92       |
| 51) Chlorobenzene             | 11.654 | 112  | 44576    | 2.588 | ug/L   | 97       |
| 52) Ethylbenzene              | 11.727 | 91   | 80283    | 2.515 | ug/L   | 99       |
| 53) m,p-Xylene                | 11.837 | 106  | 29441    | 2.501 | ug/L   | 98       |
| 54) o-Xylene                  | 12.166 | 106  | 27061    | 2.428 | ug/L   | 99       |
| 55) Styrene                   | 12.178 | 104  | 45402    | 2.404 | ug/L   | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 12.714 | 83   | 13740    | 2.543 | ug/L   | 99       |
| 59) Bromoform                 | 12.355 | 173  | 5777     | 2.404 | ug/L   | 91       |
| 60) Isopropylbenzene          | 12.465 | 105  | 77458    | 2.540 | ug/L   | 98       |
| 61) 1,2,3-Trichloropropane    | 12.769 | 75   | 9949     | 2.591 | ug/L   | 94       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 57837    | 2.488 | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 58955    | 2.478 | ug/L   | 97       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 30468    | 2.459 | ug/L   | 95       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 33652    | 2.711 | ug/L   | 97       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 27863    | 2.577 | ug/L   | 93       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 2601     | 3.034 | ug/L # | 84       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 21074    | 2.651 | ug/L   | 97       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 16883    | 2.614 | ug/L   | 92       |
| 71) Naphthalene               | 15.360 | 128  | 28917    | 2.405 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 14406    | 2.682 | ug/L   | 99       |

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

