

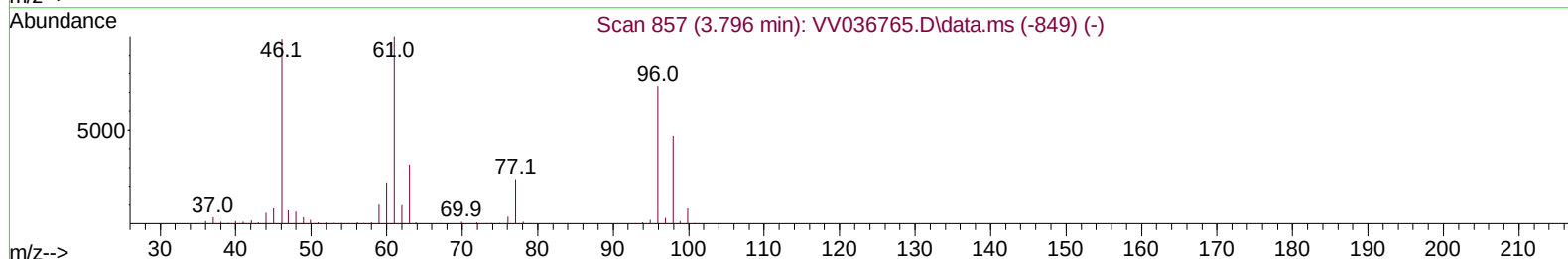
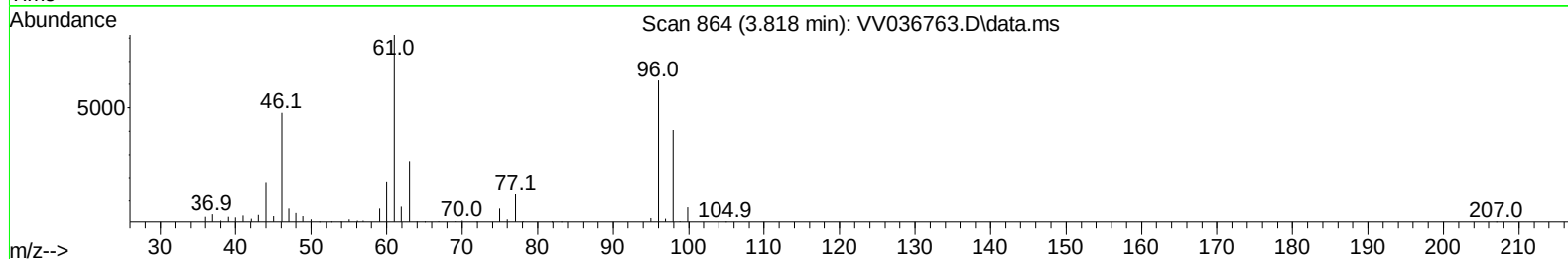
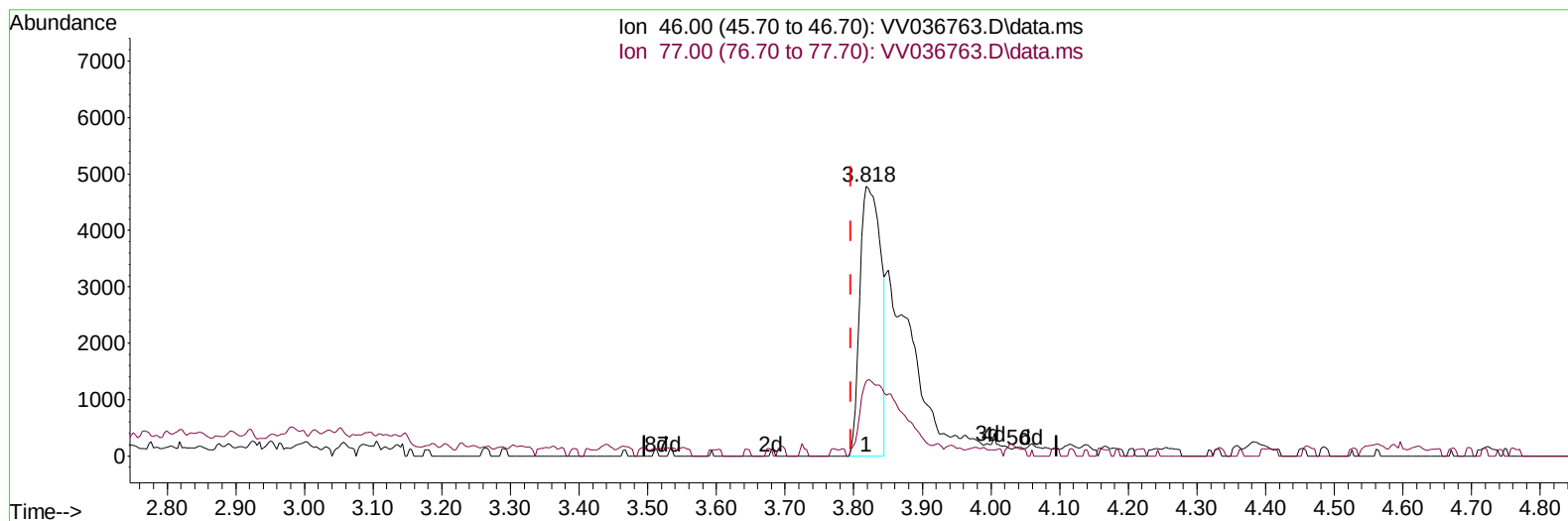
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV080224\  
 Data File : VV036763.D  
 Acq On : 02 Aug 2024 15:53  
 Operator : SY/MD  
 Sample : VSTD00545  
 Misc : 5.00mL/MSVOA\_V/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005245

Manual IntegrationsAPPROVED

Quant Time: Aug 02 23:21:47 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM080224WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Aug 02 23:21:18 2024  
 Response via : Initial Calibration

Reviewed By :Semsettin Yesilyurt 08/03/2024  
 Supervised By :Mahesh Dadoda 08/05/2024



TIC: VV036763.D\data.ms

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

**3.818min (+ 0.022) 6.60 ug/L**

**response 10047**

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 46.00 | 100.00 | 100.00 |
| 77.00 | 21.00  | 20.33  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

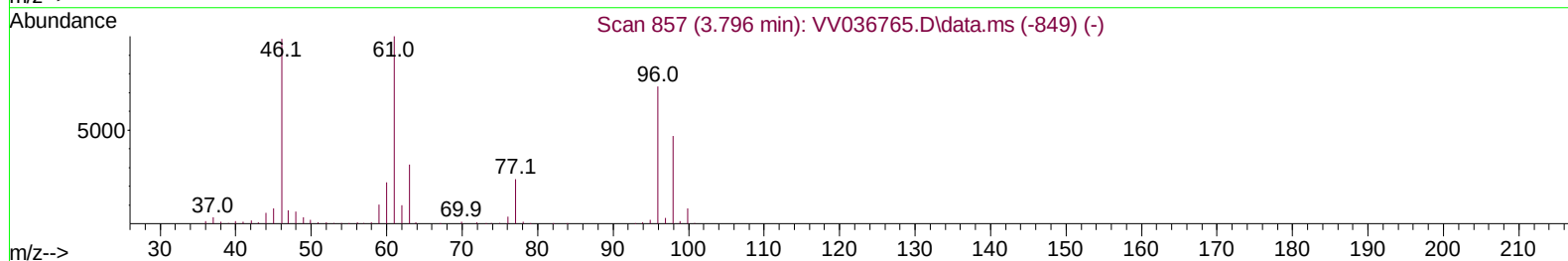
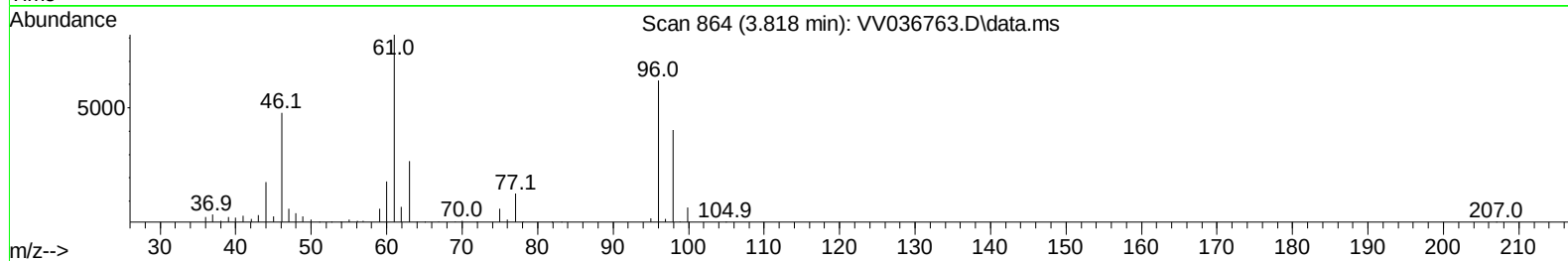
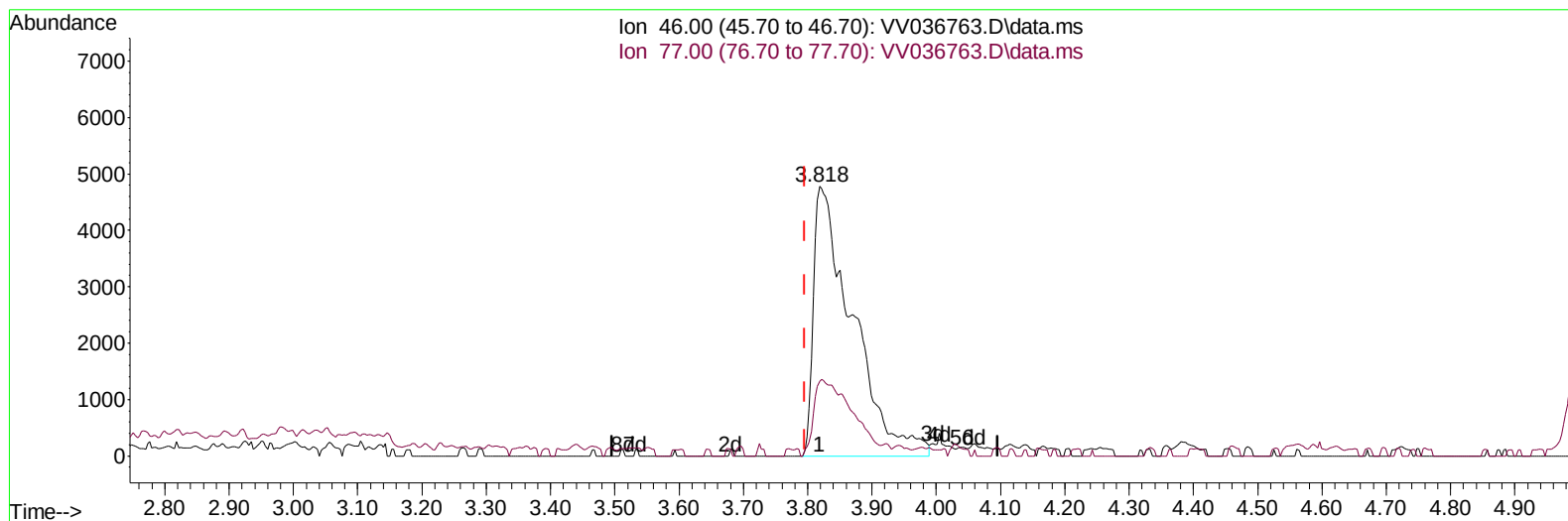
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Quant Title : VOC Analysis  
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TIC: VV036763.D\data.ms

(21) 2-Butanone-d5 (S)

3.818min (+ 0.022) 13.21 ug/L m

response 20113

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 46.00 | 100.00 | 100.00 |
| 77.00 | 21.00  | 10.16# |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

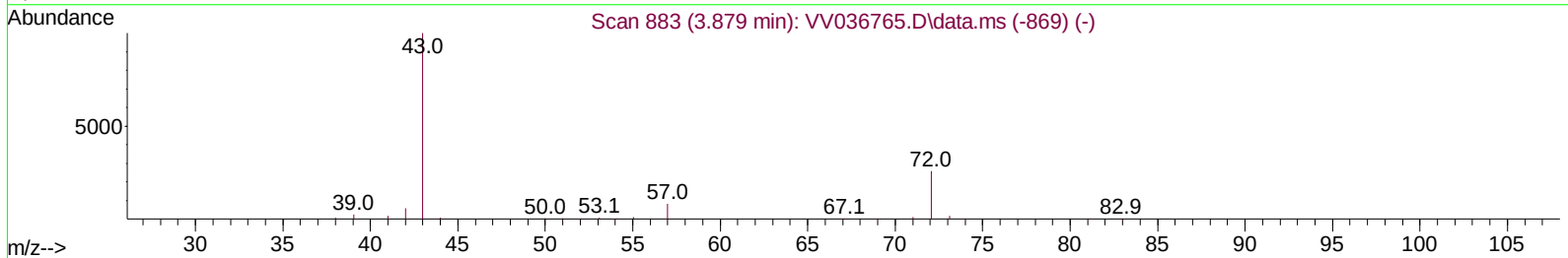
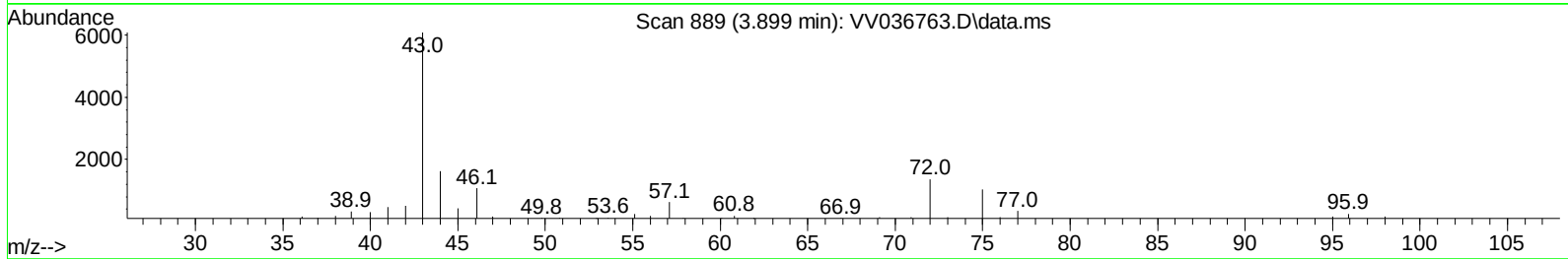
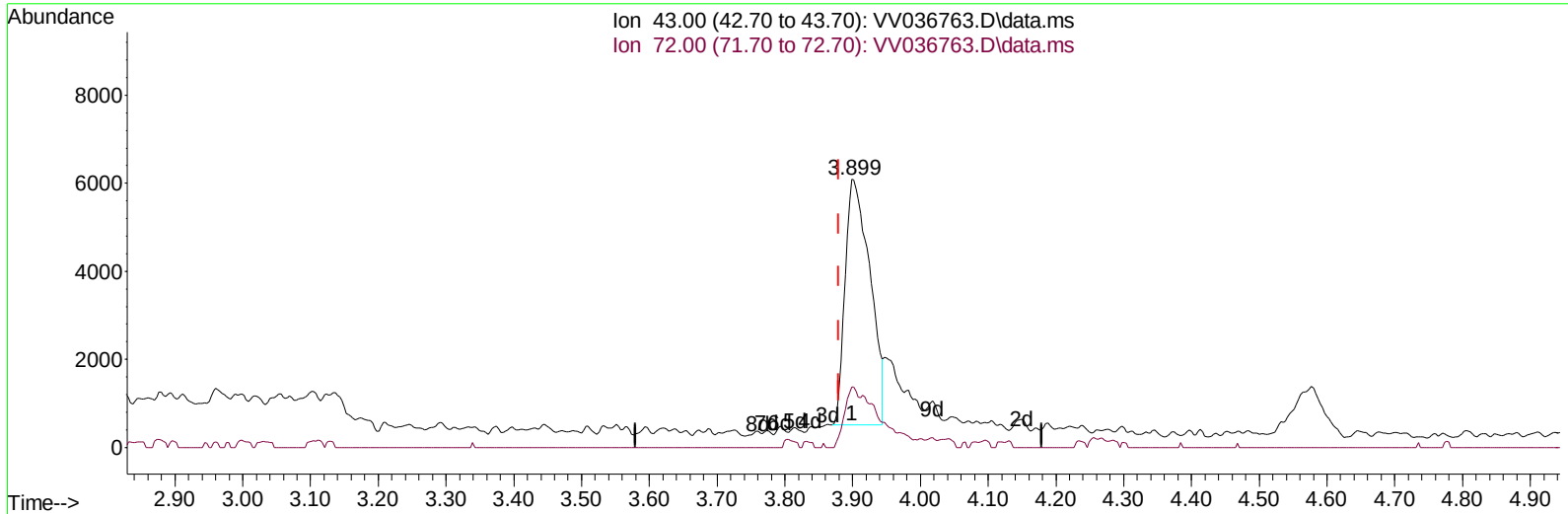
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV080224\  
Data File : VV036763.D  
Acq On : 02 Aug 2024 15:53  
Operator : SY/MD  
Sample : VSTD00545  
Misc : 5.00mL/MSVOA\_V/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005245

## Manual IntegrationsAPPROVED

Reviewed By :Semsettin Yesilyurt 08/03/2024  
Supervised By :Mahesh Dadoda 08/05/2024

Quant Time: Aug 02 23:21:47 2024  
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TIC: VV036763.D\data.ms

## (22) 2-Butanone (T)

3.899min (+ 0.019) 7.43 ug/L

response 14290

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 43.00 | 100.00 | 100.00 |
| 72.00 | 25.00  | 14.76  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

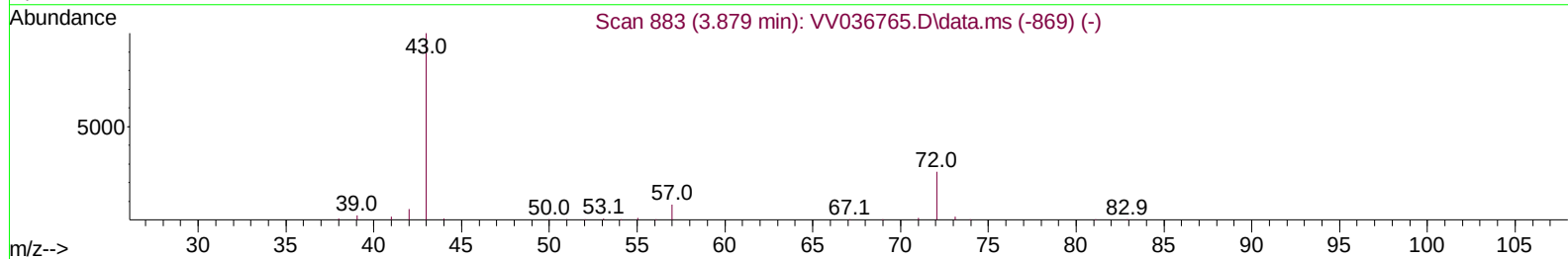
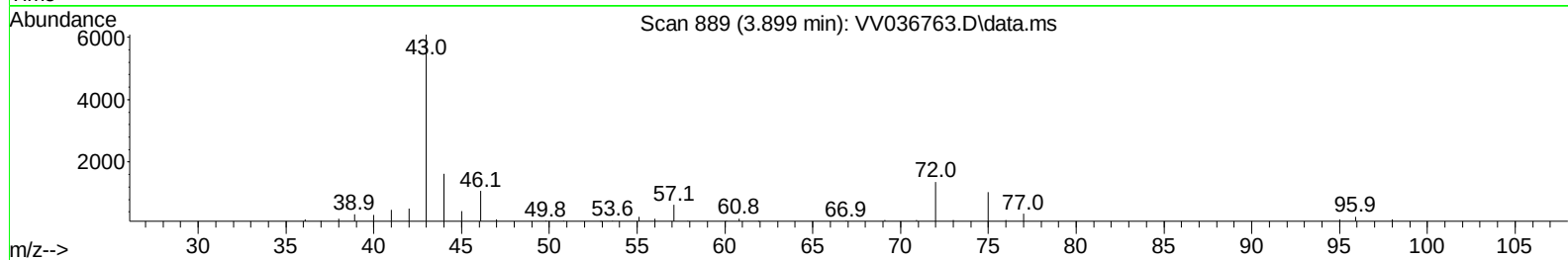
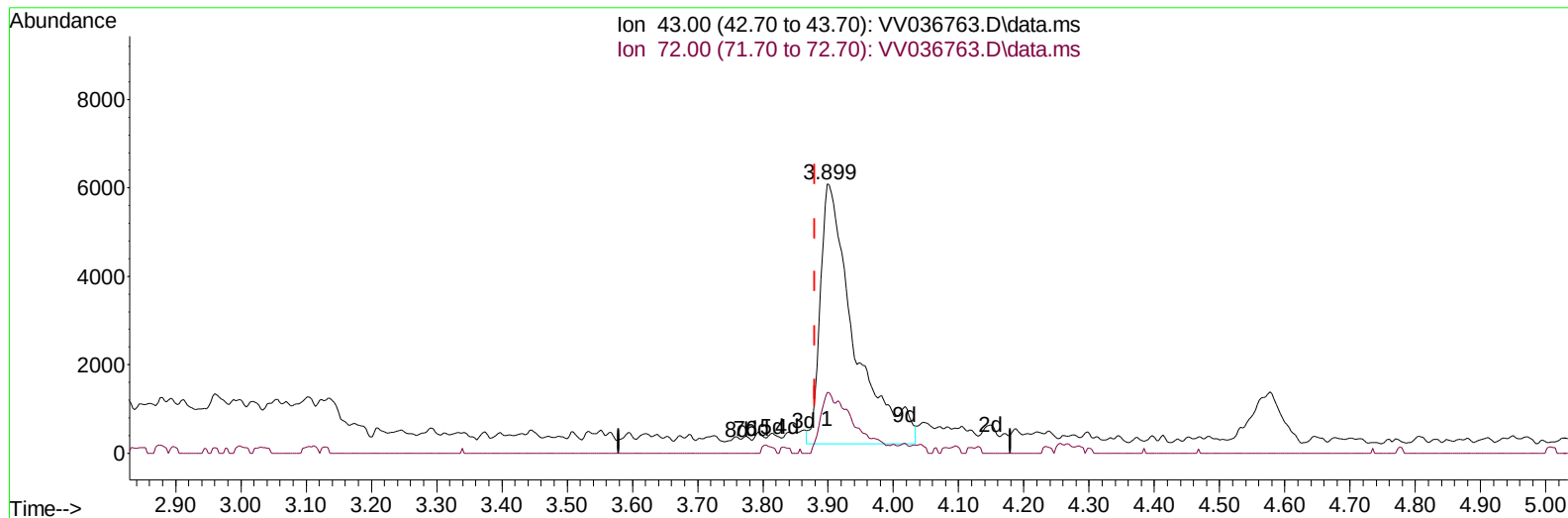
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV080224\  
 Data File : VV036763.D  
 Acq On : 02 Aug 2024 15:53  
 Operator : SY/MD  
 Sample : VSTD00545  
 Misc : 5.00mL/MSVOA\_V/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005245

Manual IntegrationsAPPROVED

Quant Time: Aug 02 23:21:47 2024  
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 Supervised By :Mahesh Dadoda 08/05/2024



TIC: VV036763.D\data.ms

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

**3.899min (+ 0.019) 10.98 ug/L m**

**response 21130**

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 43.00 | 100.00 | 100.00 |
| 72.00 | 25.00  | 9.98#  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

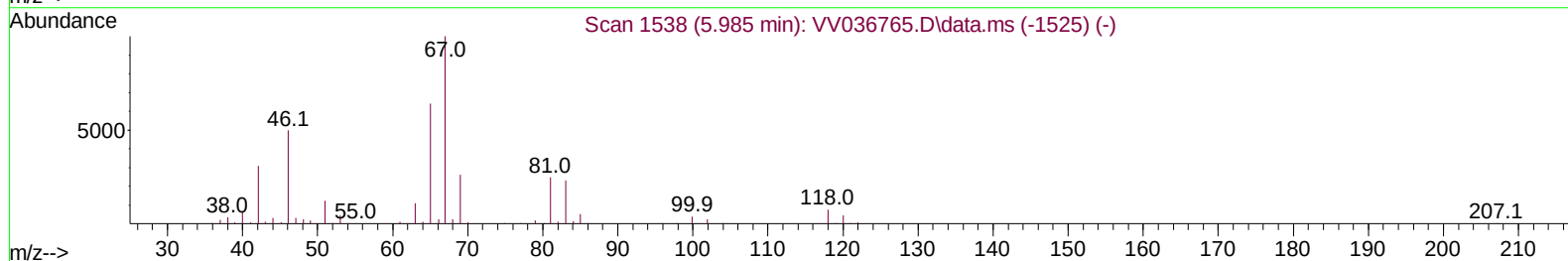
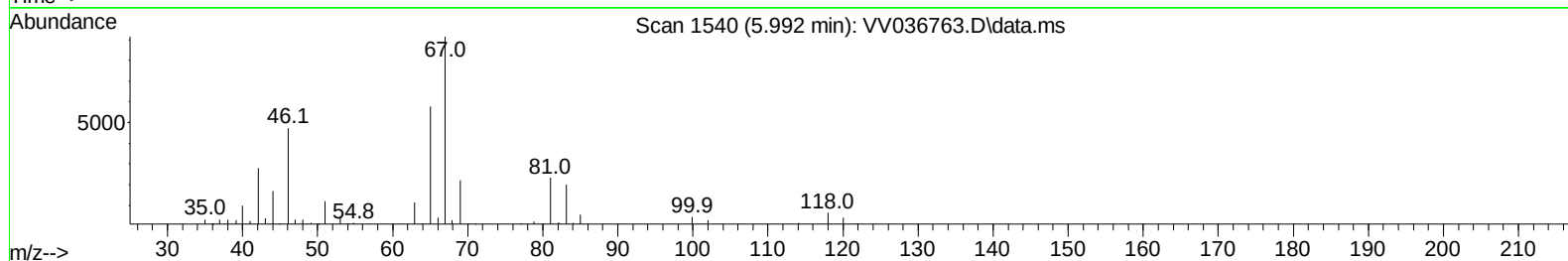
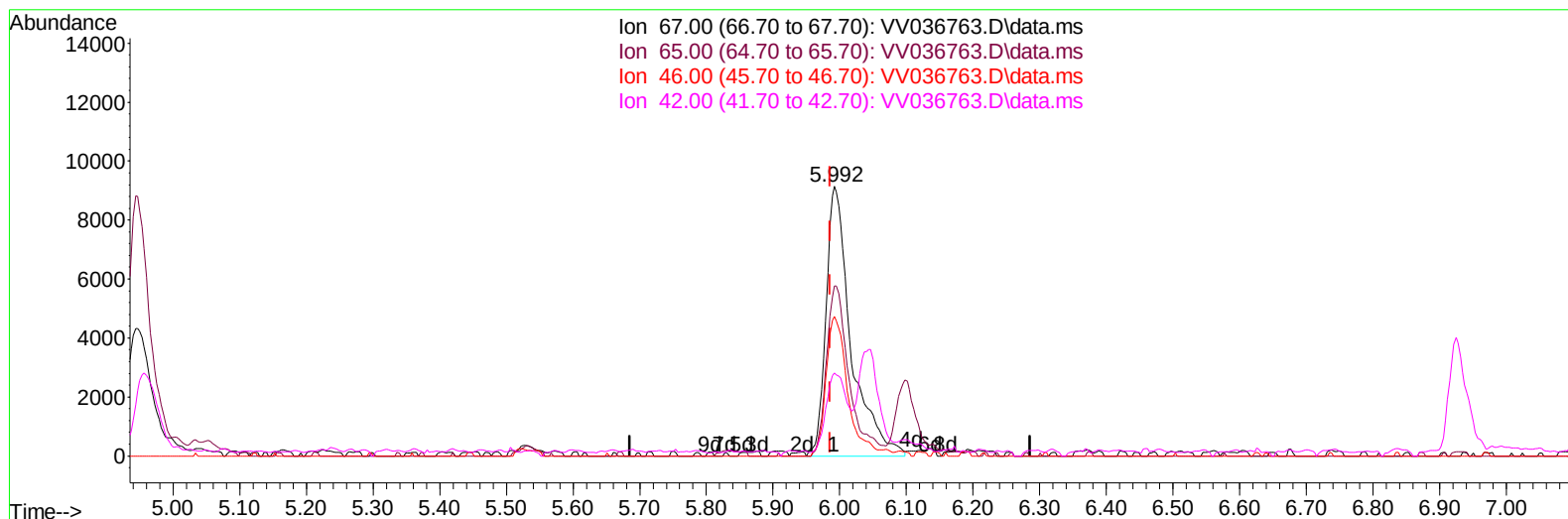
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV080224\  
Data File : VV036763.D  
Acq On : 02 Aug 2024 15:53  
Operator : SY/MD  
Sample : VSTD00545  
Misc : 5.00mL/MSVOA\_V/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005245

Manual IntegrationsAPPROVED

Quant Time: Aug 02 23:21:47 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM080224WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri Aug 02 23:21:18 2024  
Response via : Initial Calibration

Reviewed By :Semsettin Yesilyurt 08/03/2024  
Supervised By :Mahesh Dadoda 08/05/2024



TIC: VV036763.D\data.ms

(36) 1,2-Dichloropropane-d6 (S)

5.992min (+ 0.006) 6.22 ug/L

response 23829

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 67.00 | 100.00 | 100.00 |
| 65.00 | 66.30  | 57.64  |
| 46.00 | 51.00  | 44.61  |
| 42.00 | 30.20  | 24.33  |

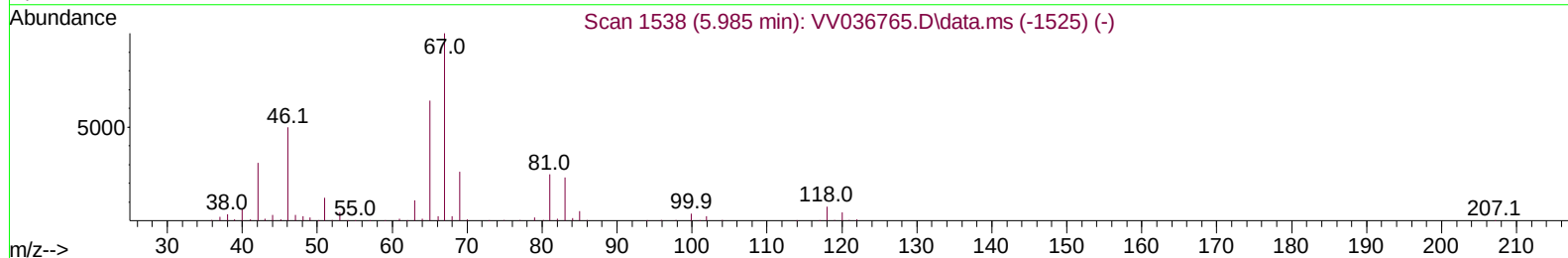
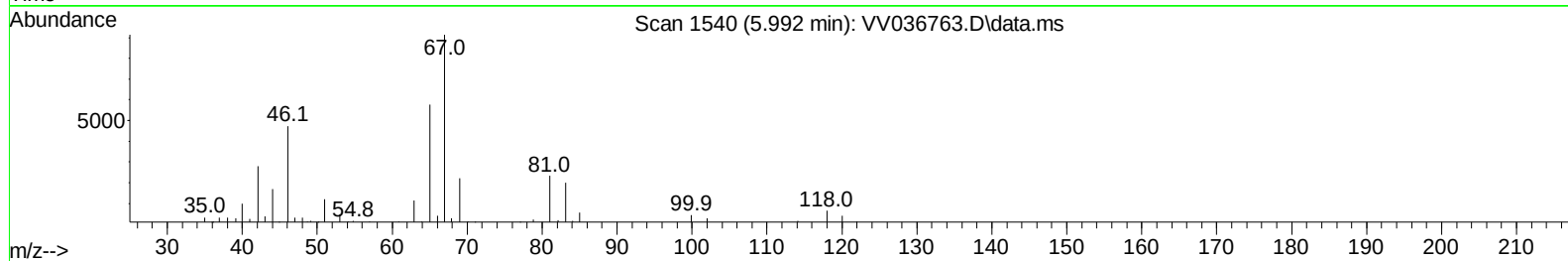
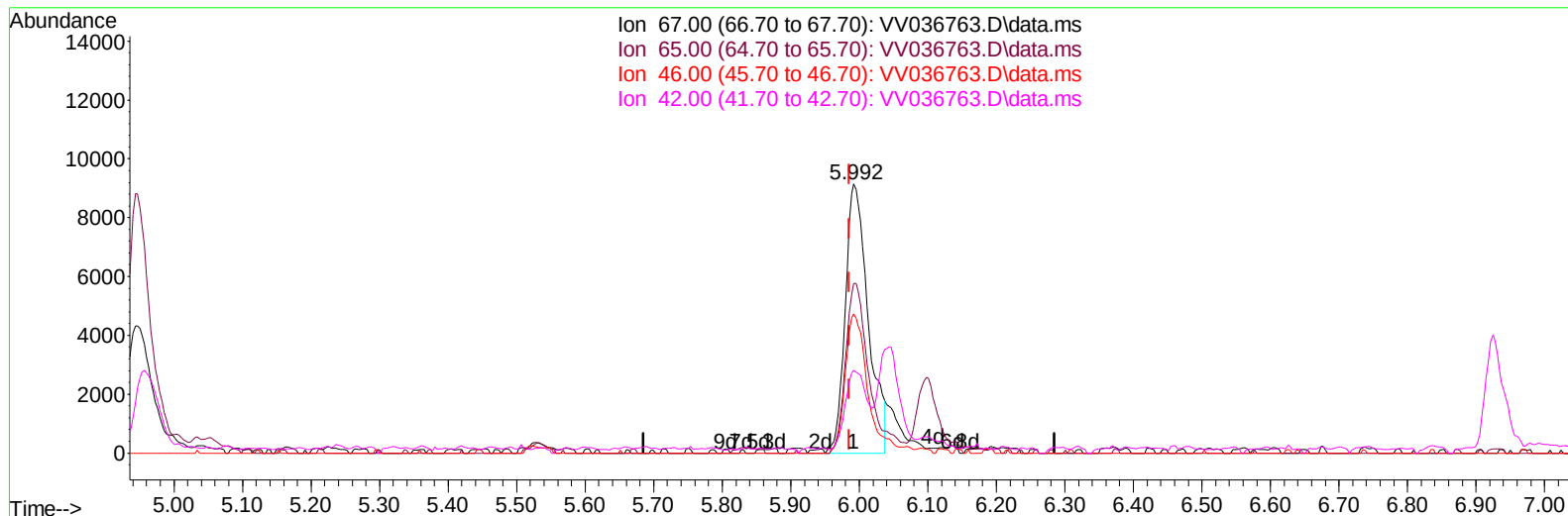
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV080224\  
 Data File : VV036763.D  
 Acq On : 02 Aug 2024 15:53  
 Operator : SY/MD  
 Sample : VSTD00545  
 Misc : 5.00mL/MSVOA\_V/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005245

Manual IntegrationsAPPROVED

Quant Time: Aug 02 23:21:47 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM080224WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Aug 02 23:21:18 2024  
 Response via : Initial Calibration

Reviewed By :Semsettin Yesilyurt 08/03/2024  
 Supervised By :Mahesh Dadoda 08/05/2024



TIC: VV036763.D\data.ms

**(36) 1,2-Dichloropropane-d6 (S)**

**5.992min (+ 0.006) 5.52 ug/L m**

**response 21146**

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 67.00 | 100.00 | 100.00 |
| 65.00 | 66.30  | 64.95  |
| 46.00 | 51.00  | 50.27  |
| 42.00 | 30.20  | 27.42  |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV080224\  
 Data File : VV036763.D  
 Acq On : 02 Aug 2024 15:53  
 Operator : SY/MD  
 Sample : VSTD00545  
 Misc : 5.00mL/MSVOA\_V/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005245

Manual IntegrationsAPPROVED

Quant Time: Aug 02 23:21:47 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM080224WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Aug 02 23:21:18 2024  
 Response via : Initial Calibration

Reviewed By :Semsettin Yesilyurt 08/03/2024  
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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Difluorobenzene        | 5.529  | 114  | 445958   | 50.000 | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.780  | 117  | 411744   | 50.000 | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.181 | 152  | 202739   | 50.000 | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 4) Vinyl Chloride-d3          | 1.278  | 65   | 18735    | 5.644  | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 1.532  | 69   | 14543    | 5.543  | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.056  | 65   | 7782     | 5.302  | ug/L   | 0.00     |
| 21) 2-Butanone-d5             | 3.818  | 46   | 20113m   | 13.211 | ug/L   | 0.02     |
| 24) Chloroform-d              | 4.249  | 84   | 31896    | 5.193  | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 4.944  | 65   | 19689    | 4.970  | ug/L   | 0.00     |
| 32) Benzene-d6                | 4.957  | 84   | 63454    | 5.332  | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 5.992  | 67   | 21146m   | 5.522  | ug/L   | 0.00     |
| 41) Toluene-d8                | 7.246  | 98   | 58181    | 5.387  | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 7.567  | 79   | 10632    | 5.371  | ug/L   | 0.02     |
| 47) 2-Hexanone-d5             | 8.046  | 63   | 9749     | 9.370  | ug/L   | 0.02     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.149 | 84   | 23447    | 5.439  | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 11.561 | 152  | 22197    | 5.781  | ug/L   | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.108  | 85   | 19220    | 5.922  | ug/L   | 98       |
| 3) Chloromethane              | 1.217  | 50   | 19226    | 5.396  | ug/L   | 98       |
| 5) Vinyl chloride             | 1.281  | 62   | 19138    | 5.162  | ug/L   | 99       |
| 6) Bromomethane               | 1.487  | 94   | 11740    | 4.893  | ug/L   | 96       |
| 8) Chloroethane               | 1.548  | 64   | 11535    | 4.941  | ug/L   | 95       |
| 9) Trichlorofluoromethane     | 1.712  | 101  | 24801    | 5.105  | ug/L   | 97       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.066  | 101  | 14665    | 5.076  | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.069  | 96   | 14519    | 5.255  | ug/L   | 97       |
| 13) Acetone                   | 2.114  | 43   | 17566    | 11.472 | ug/L   | 100      |
| 14) Carbon disulfide          | 2.236  | 76   | 45764    | 5.254  | ug/L   | 100      |
| 15) Methyl Acetate            | 2.375  | 43   | 16599    | 5.317  | ug/L   | 97       |
| 16) Methylene chloride        | 2.445  | 84   | 15993    | 5.116  | ug/L   | 95       |
| 17) trans-1,2-Dichloroethene  | 2.690  | 96   | 14061    | 4.892  | ug/L   | 94       |
| 18) Methyl tert-butyl Ether   | 2.709  | 73   | 50633    | 5.027  | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 3.105  | 63   | 29086    | 5.014  | ug/L   | 97       |
| 20) cis-1,2-Dichloroethene    | 3.812  | 96   | 16642    | 4.892  | ug/L   | 99       |
| 22) 2-Butanone                | 3.899  | 43   | 21130m   | 10.981 | ug/L   |          |
| 23) Bromochloromethane        | 4.146  | 128  | 8643     | 5.261  | ug/L   | 95       |
| 25) Chloroform                | 4.278  | 83   | 29059    | 4.820  | ug/L   | 100      |
| 27) 1,2-Dichloroethane        | 5.047  | 62   | 22591    | 4.835  | ug/L # | 92       |
| 29) Cyclohexane               | 4.574  | 56   | 26016    | 5.042  | ug/L   | 95       |
| 30) 1,1,1-Trichloroethane     | 4.503  | 97   | 26029    | 5.098  | ug/L   | 96       |
| 31) Carbon tetrachloride      | 4.728  | 117  | 21511    | 5.012  | ug/L   | 99       |
| 33) Benzene                   | 5.008  | 78   | 58638    | 4.830  | ug/L   | 100      |
| 34) Trichloroethene           | 5.834  | 95   | 17764    | 5.047  | ug/L   | 95       |
| 35) Methylcyclohexane         | 6.043  | 83   | 27917    | 5.233  | ug/L   | 97       |
| 37) 1,2-Dichloropropane       | 6.098  | 63   | 15333    | 4.797  | ug/L   | 98       |
| 38) Bromodichloromethane      | 6.436  | 83   | 21744    | 4.904  | ug/L   | 98       |
| 39) cis-1,3-Dichloropropene   | 6.963  | 75   | 25673    | 4.621  | ug/L   | 96       |
| 40) 4-Methyl-2-pentanone      | 7.169  | 43   | 36387    | 9.414  | ug/L   | 97       |
| 42) Toluene                   | 7.317  | 91   | 63600    | 4.950  | ug/L   | 99       |

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 ClientSampleId :  
 VSTD005245

## Manual IntegrationsAPPROVED

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 Quant Title : VOC Analysis  
 QLast Update : Fri Aug 02 23:21:18 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 44) trans-1,3-Dichloropropene | 7.593  | 75   | 24360    | 4.730 | ug/L   | 95       |
| 45) 1,1,2-Trichloroethane     | 7.773  | 97   | 15588    | 5.082 | ug/L   | 94       |
| 46) Tetrachloroethene         | 7.905  | 164  | 11560    | 5.053 | ug/L   | 95       |
| 48) 2-Hexanone                | 8.091  | 43   | 26311    | 9.038 | ug/L   | 97       |
| 49) Dibromochloromethane      | 8.175  | 129  | 15402    | 4.788 | ug/L   | 99       |
| 50) 1,2-Dibromoethane         | 8.288  | 107  | 15493    | 4.778 | ug/L # | 99       |
| 51) Chlorobenzene             | 8.815  | 112  | 42274    | 5.081 | ug/L   | 95       |
| 52) Ethylbenzene              | 8.947  | 91   | 72691    | 4.907 | ug/L   | 100      |
| 53) m,p-Xylene                | 9.075  | 106  | 26465    | 4.875 | ug/L   | 94       |
| 54) o-Xylene                  | 9.477  | 106  | 26374    | 4.881 | ug/L   | 97       |
| 55) Styrene                   | 9.500  | 104  | 44311    | 4.792 | ug/L   | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.178 | 83   | 20409    | 4.951 | ug/L # | 93       |
| 59) Bromoform                 | 9.667  | 173  | 10449    | 4.757 | ug/L   | 96       |
| 60) Isopropylbenzene          | 9.866  | 105  | 73214    | 5.083 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.210 | 75   | 18247    | 5.212 | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.474 | 105  | 58474    | 4.846 | ug/L   | 96       |
| 63) 1,2,4-Trimethylbenzene    | 10.850 | 105  | 58656    | 4.890 | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.117 | 146  | 31122    | 4.972 | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 11.207 | 146  | 31117    | 4.877 | ug/L   | 95       |
| 67) 1,2-Dichlorobenzene       | 11.580 | 146  | 30070    | 4.923 | ug/L   | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.365 | 75   | 5097     | 5.088 | ug/L   | 89       |
| 69) 1,3,5-Trichlorobenzene    | 12.583 | 180  | 22372    | 5.118 | ug/L   | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.201 | 180  | 22308    | 5.343 | ug/L   | 98       |
| 71) Naphthalene               | 13.439 | 128  | 74829    | 5.727 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.680 | 180  | 20900    | 5.150 | ug/L   | 96       |

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



