

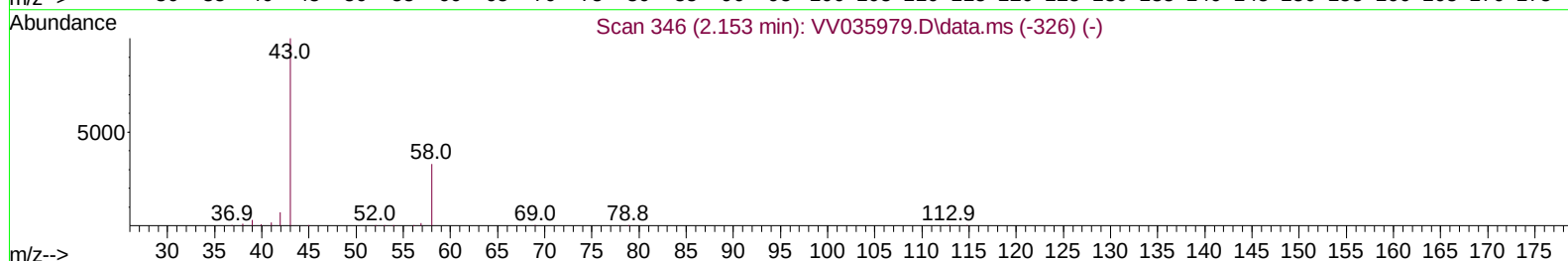
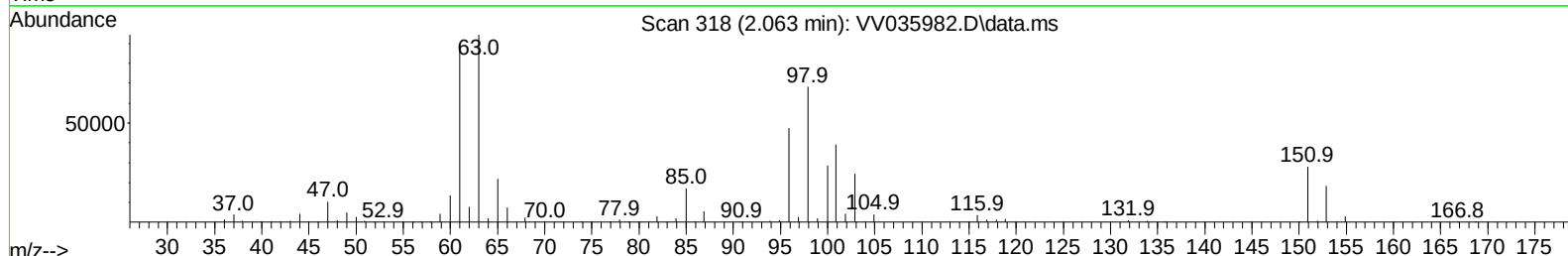
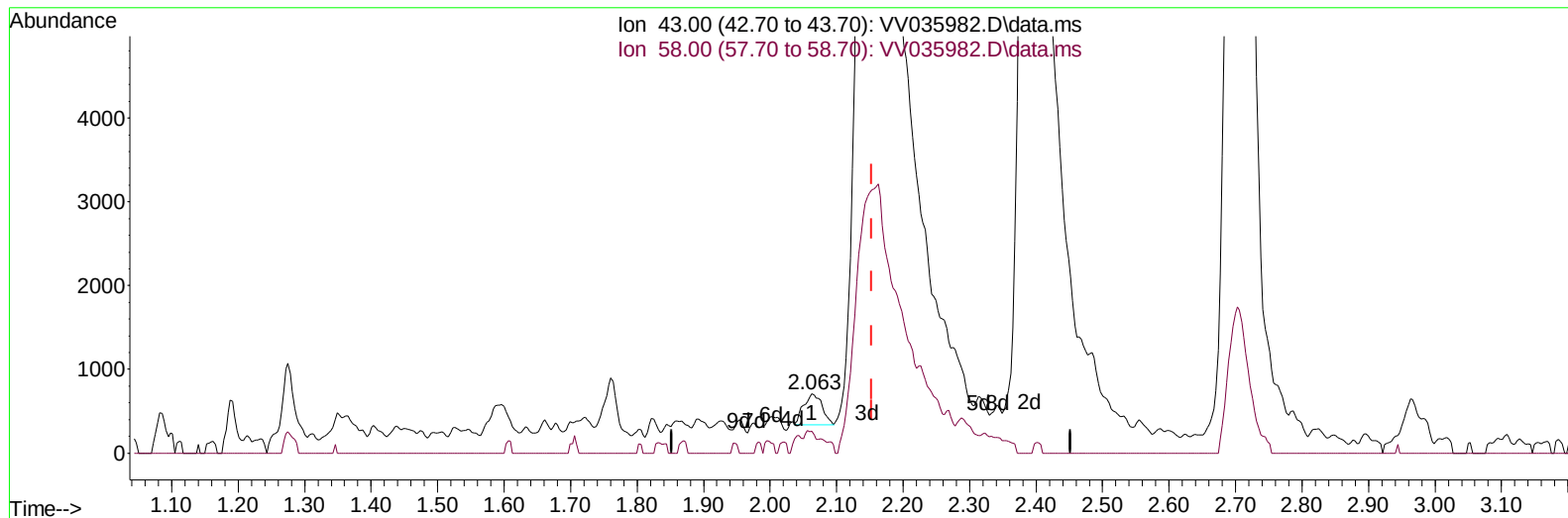
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV060624\  
Data File : VV035982.D  
Acq On : 06 Jun 2024 13:10  
Operator : SY/MD  
Sample : P2695-26MS  
Misc : 5.56g/10.0mL/MSVOA\_V/SOIL/A  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
A4BN3MS

Manual IntegrationsAPPROVED

Quant Time: Jun 07 02:18:17 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM053024SMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri Jun 07 02:16:44 2024  
Response via : Initial Calibration

Reviewed By :Mahesh Dadoda 06/07/2024  
Supervised By :Semsettin Yesilyurt 06/07/2024



TIC: VV035982.D\data.ms

(13) Acetone (T)

2.063min (-0.090) 0.27 ug/L

response 713

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 43.00 | 100.00 | 100.00 |
| 58.00 | 12.10  | 14.45  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

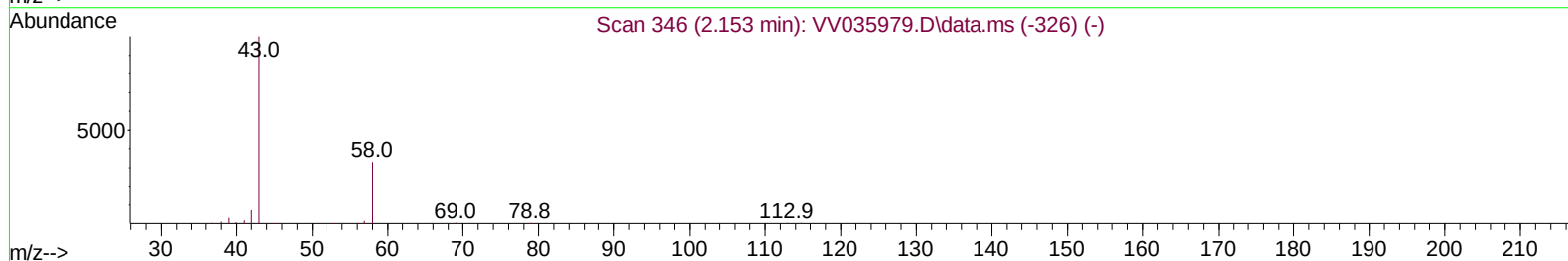
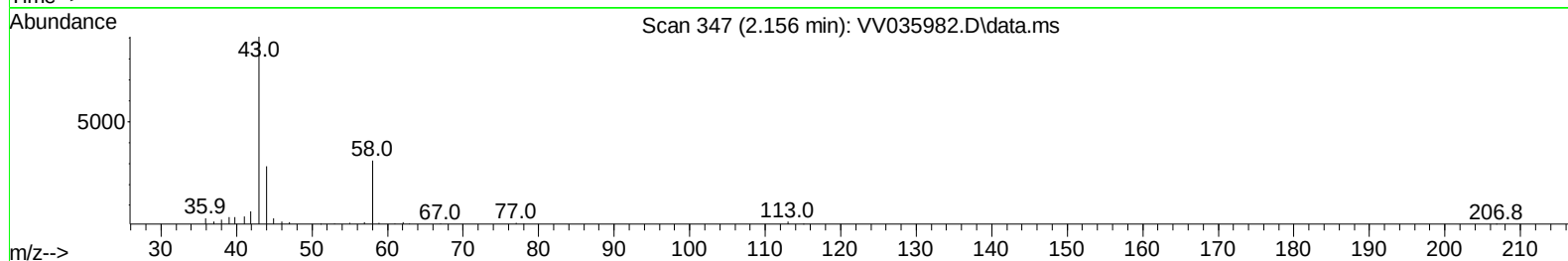
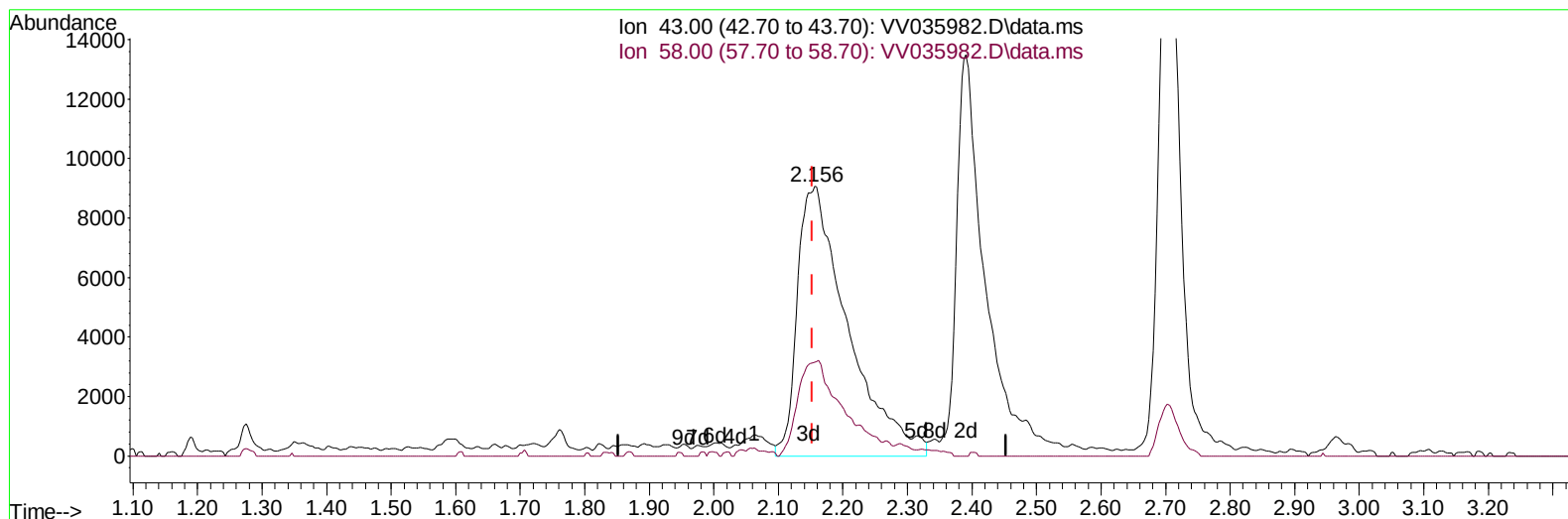
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TIC: VV035982.D\data.ms

(13) Acetone (T)

2.156min (+ 0.003) 18.58 ug/L m

response 49163

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 43.00 | 100.00 | 100.00 |
| 58.00 | 12.10  | 0.21   |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

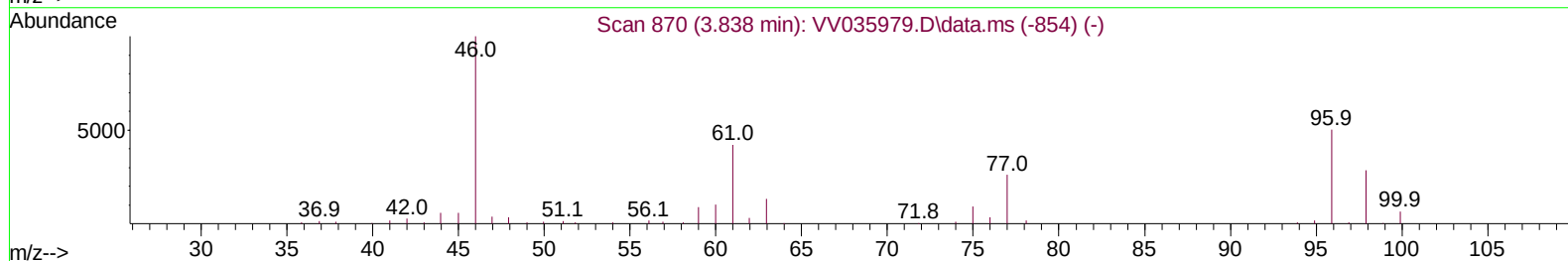
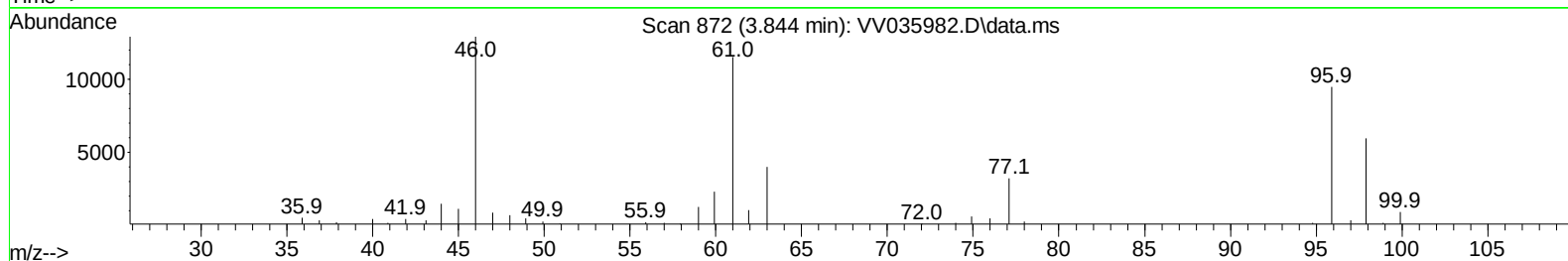
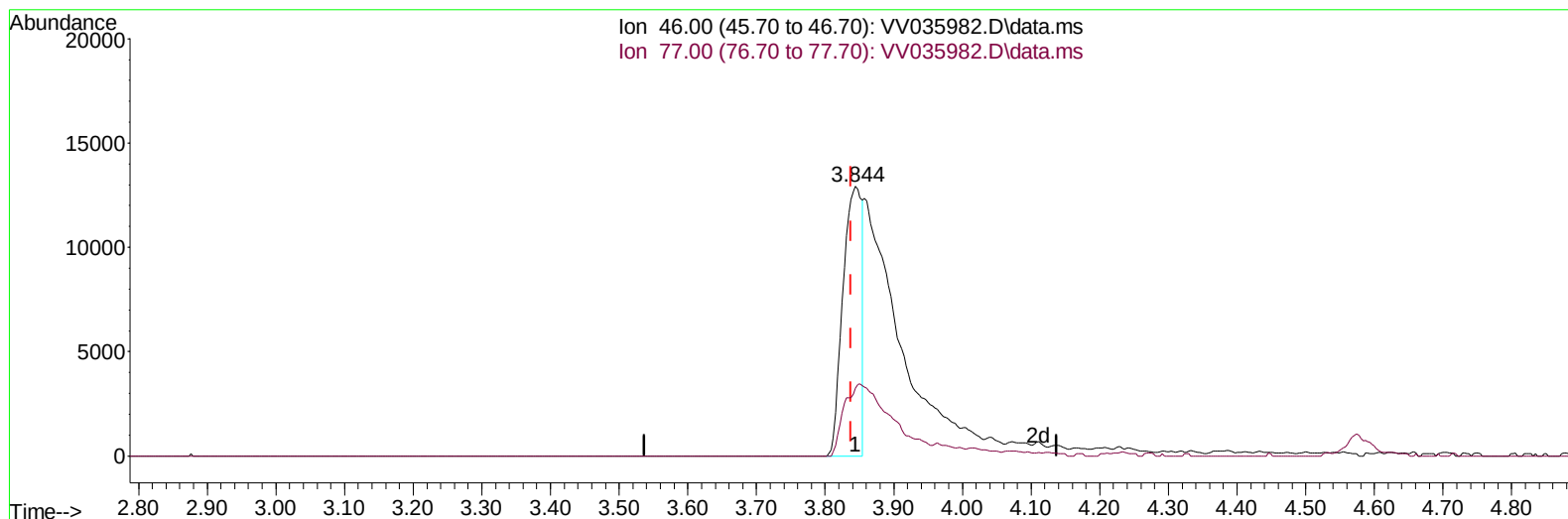
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV060624\  
Data File : VV035982.D  
Acq On : 06 Jun 2024 13:10  
Operator : SY/MD  
Sample : P2695-26MS  
Misc : 5.56g/10.0mL/MSVOA\_V/SOIL/A  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
A4BN3MS

Manual IntegrationsAPPROVED

Quant Time: Jun 07 02:18:17 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM053024SMA.M  
Quant Title : VOC Analysis  
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Reviewed By :Mahesh Dadoda 06/07/2024  
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TIC: VV035982.D\data.ms

(21) 2-Butanone-d5 (S)

3.844min (+ 0.007) 14.39 ug/L

response 24442

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 46.00 | 100.00 | 100.00 |
| 77.00 | 11.90  | 10.55  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

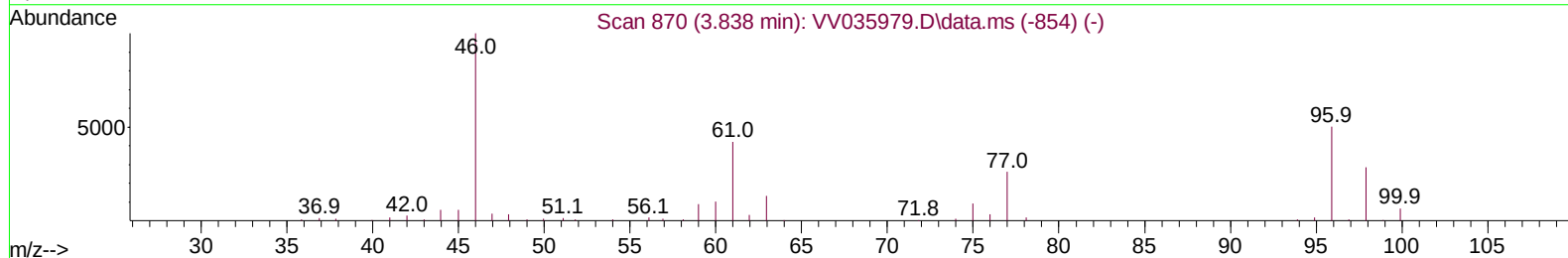
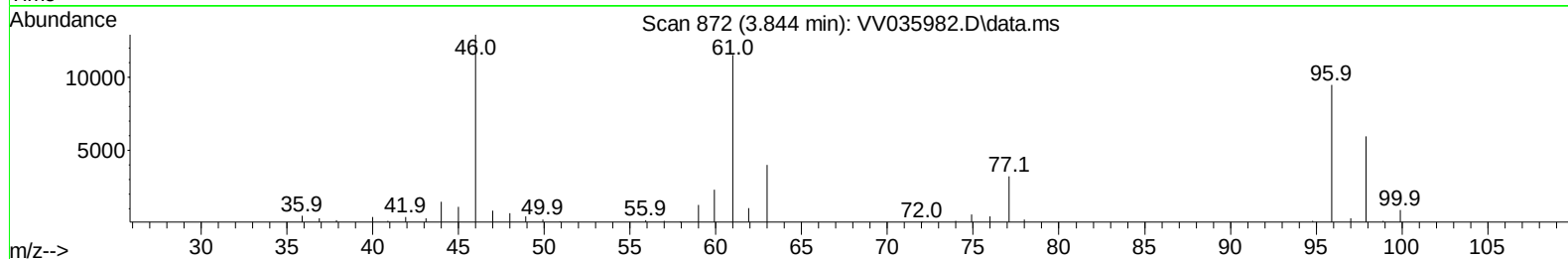
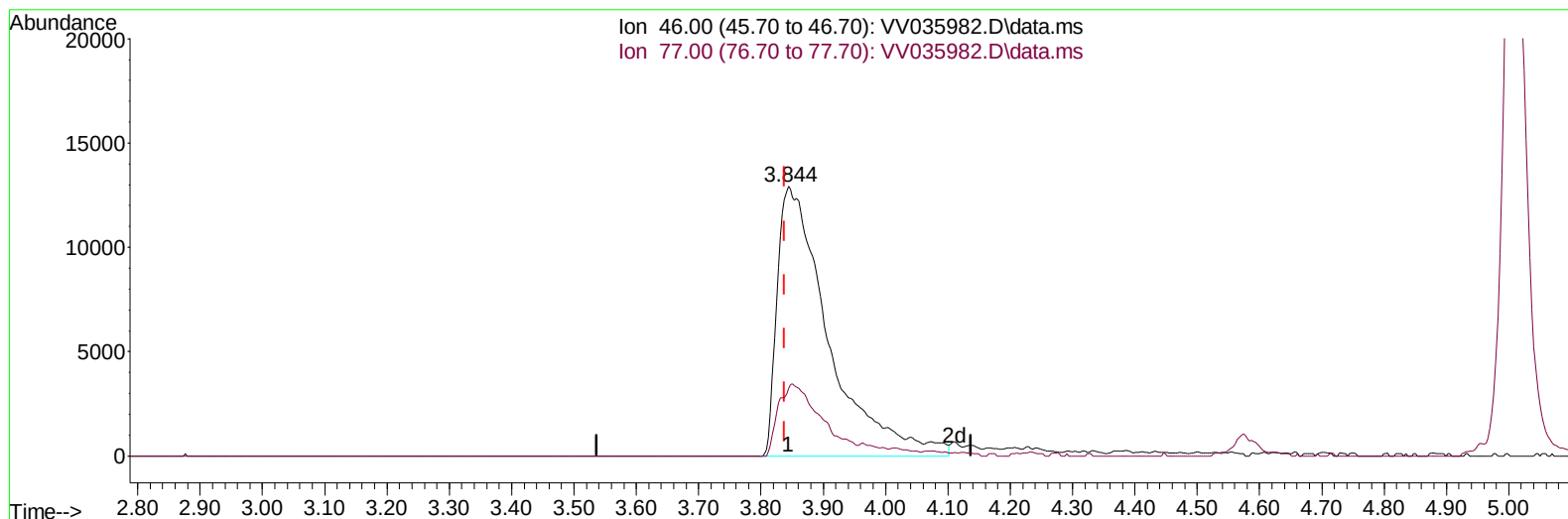
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Data File : VV035982.D  
Acq On : 06 Jun 2024 13:10  
Operator : SY/MD  
Sample : P2695-26MS  
Misc : 5.56g/10.0mL/MSVOA\_V/SOIL/A  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
A4BN3MS

Manual IntegrationsAPPROVED

Quant Time: Jun 07 02:18:17 2024  
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Quant Title : VOC Analysis  
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Reviewed By :Mahesh Dadoda 06/07/2024  
Supervised By :Semsettin Yesilyurt 06/07/2024



TIC: VV035982.D\data.ms

(21) 2-Butanone-d5 (S)

3.844min (+ 0.007) 43.26 ug/L m

response 73483

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 46.00 | 100.00 | 100.00 |
| 77.00 | 11.90  | 3.51#  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

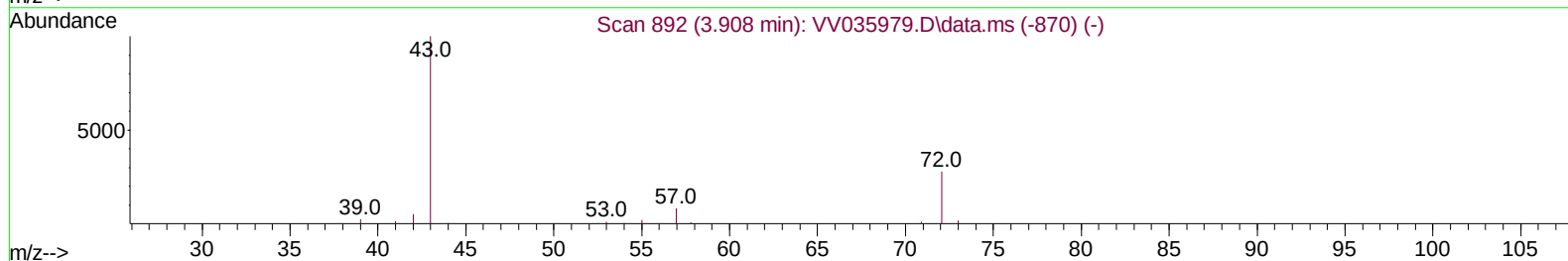
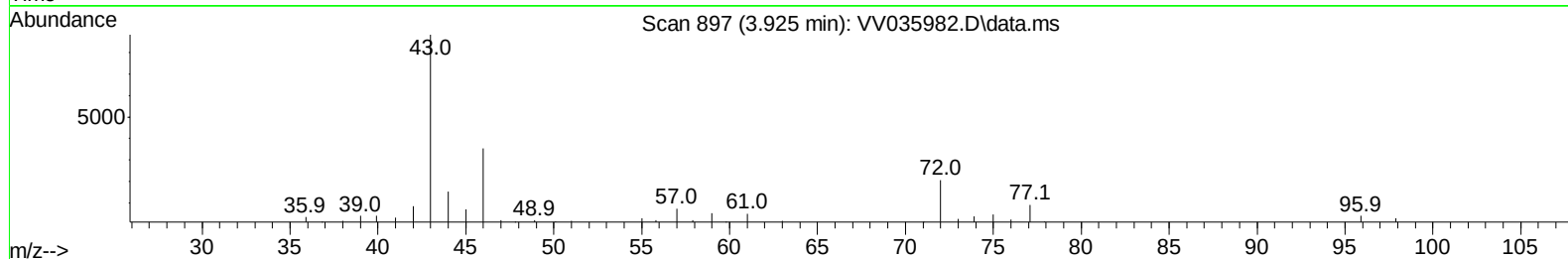
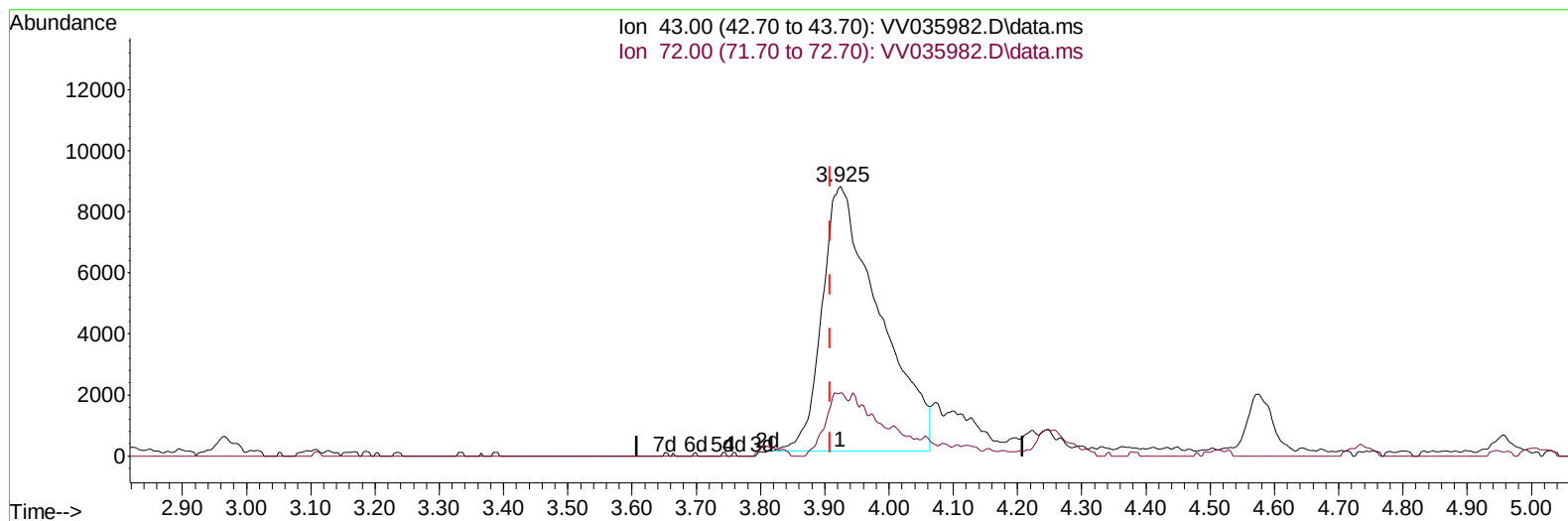
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV060624\  
Data File : VV035982.D  
Acq On : 06 Jun 2024 13:10  
Operator : SY/MD  
Sample : P2695-26MS  
Misc : 5.56g/10.0mL/MSVOA\_V/SOIL/A  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
A4BN3MS

Manual IntegrationsAPPROVED

Quant Time: Jun 07 02:18:17 2024  
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Quant Title : VOC Analysis  
QLast Update : Fri Jun 07 02:16:44 2024  
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Reviewed By :Mahesh Dadoda 06/07/2024  
Supervised By :Semsettin Yesilyurt 06/07/2024



TIC: VV035982.D\data.ms

(22) 2-Butanone (T)

3.925min (+ 0.016) 24.01 ug/L

response 53912

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 43.00 | 100.00 | 100.00 |
| 72.00 | 16.30  | 5.87#  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

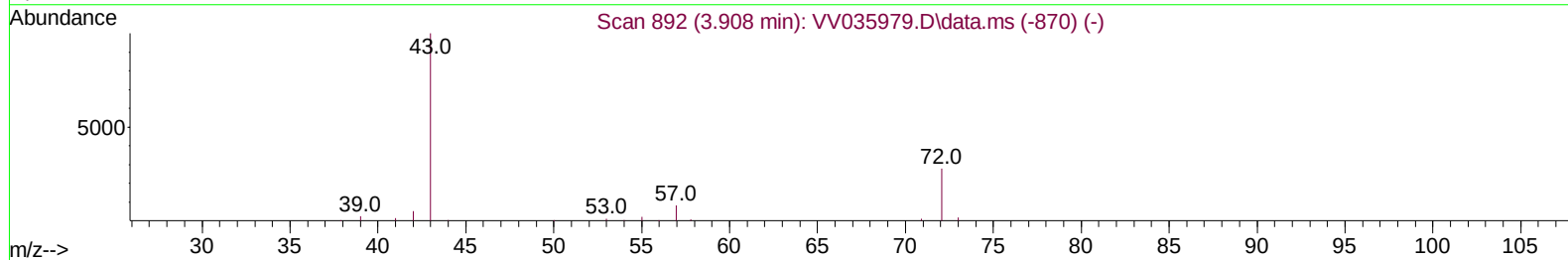
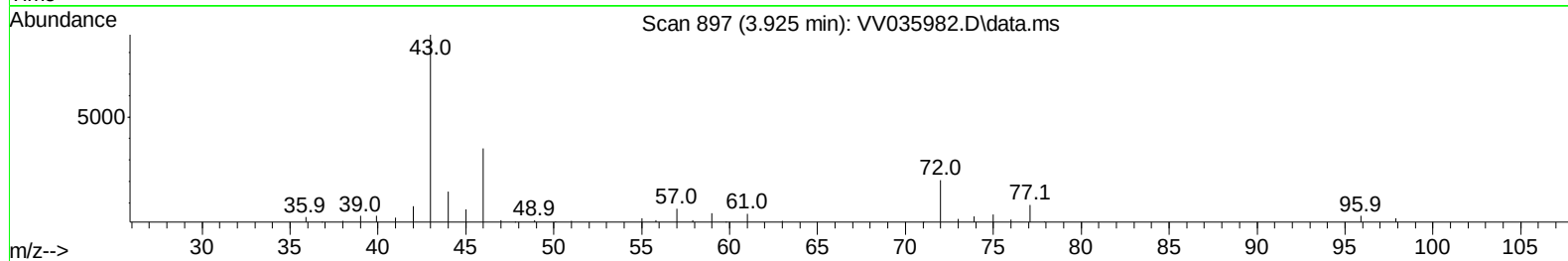
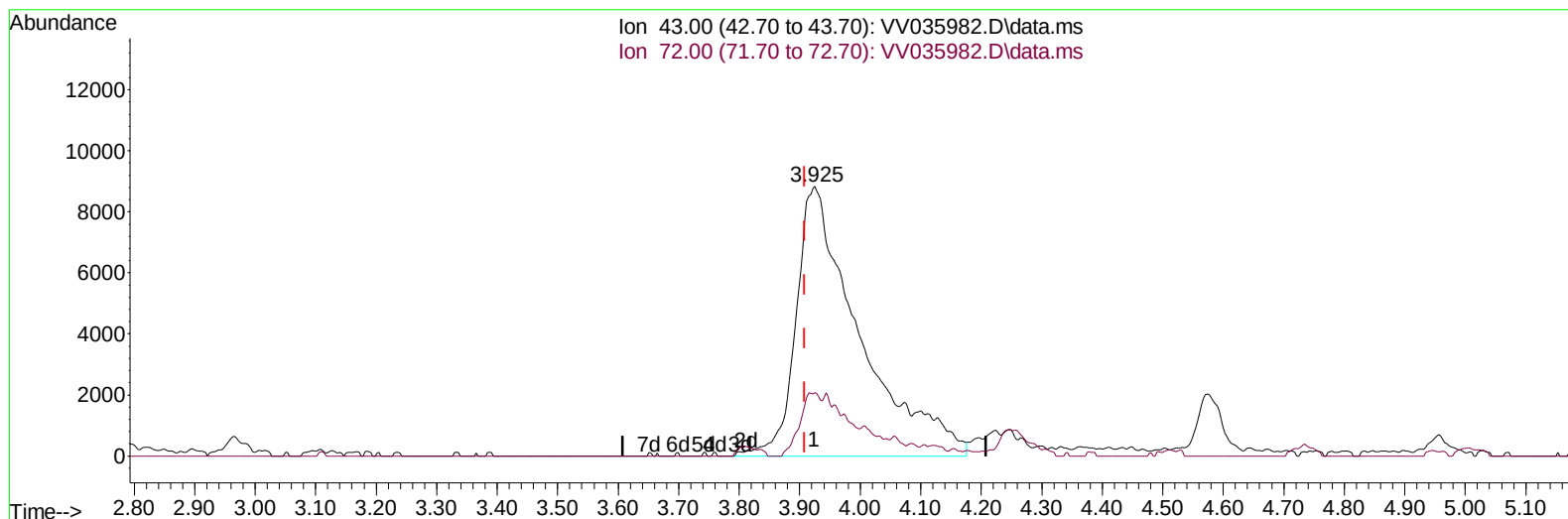
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 Operator : SY/MD  
 Sample : P2695-26MS  
 Misc : 5.56g/10.0mL/MSVOA\_V/SOIL/A  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 A4BN3MS

Manual IntegrationsAPPROVED

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 Quant Title : VOC Analysis  
 QLast Update : Fri Jun 07 02:16:44 2024  
 Response via : Initial Calibration

Reviewed By :Mahesh Dadoda 06/07/2024  
 Supervised By :Semsettin Yesilyurt 06/07/2024



TIC: VV035982.D\data.ms

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

**3.925min (+ 0.016) 28.52 ug/L m**

**response 64046**

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 43.00 | 100.00 | 100.00 |
| 72.00 | 16.30  | 4.94#  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV060624\  
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 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
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Manual IntegrationsAPPROVED

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 Quant Title : VOC Analysis  
 QLast Update : Fri Jun 07 02:16:44 2024  
 Response via : Initial Calibration

Reviewed By :Mahesh Dadoda 06/07/2024  
 Supervised By :Semsettin Yesilyurt 06/07/2024

| Compound                      | R.T.     | QIon  | Response | Conc   | Units     | Dev(Min) |
|-------------------------------|----------|-------|----------|--------|-----------|----------|
| -----                         |          |       |          |        |           |          |
| Internal Standards            |          |       |          |        |           |          |
| 1) 1,4-Difluorobenzene        | 5.532    | 114   | 402736   | 25.000 | ug/L      | 0.00     |
| 28) Chlorobenzene-d5          | 8.783    | 117   | 279026   | 25.000 | ug/L      | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.185   | 152   | 69324    | 25.000 | ug/L      | 0.00     |
| System Monitoring Compounds   |          |       |          |        |           |          |
| 4) Vinyl Chloride-d3          | 1.275    | 65    | 134585   | 18.177 | ug/L      | 0.00     |
| Spiked Amount 25.000          | Range 30 | - 150 | Recovery | =      | 72.720%   |          |
| 7) Chloroethane-d5            | 1.529    | 69    | 126622   | 21.447 | ug/L      | 0.00     |
| Spiked Amount 25.000          | Range 30 | - 150 | Recovery | =      | 85.800%   |          |
| 11) 1,1-Dichloroethene-d2     | 2.053    | 65    | 58164    | 17.646 | ug/L      | 0.00     |
| Spiked Amount 25.000          | Range 45 | - 110 | Recovery | =      | 70.600%   |          |
| 21) 2-Butanone-d5             | 3.844    | 46    | 73483m   | 43.255 | ug/L      | 0.00     |
| Spiked Amount 50.000          | Range 20 | - 135 | Recovery | =      | 86.520%   |          |
| 24) Chloroform-d              | 4.246    | 84    | 286317   | 22.362 | ug/L      | 0.00     |
| Spiked Amount 25.000          | Range 40 | - 150 | Recovery | =      | 89.440%   |          |
| 26) 1,2-Dichloroethane-d4     | 4.941    | 65    | 154625   | 23.033 | ug/L      | 0.00     |
| Spiked Amount 25.000          | Range 70 | - 130 | Recovery | =      | 92.120%   |          |
| 32) Benzene-d6                | 4.957    | 84    | 485576   | 29.276 | ug/L      | 0.00     |
| Spiked Amount 25.000          | Range 20 | - 135 | Recovery | =      | 117.120%  |          |
| 36) 1,2-Dichloropropane-d6    | 5.986    | 67    | 177246   | 33.935 | ug/L      | 0.00     |
| Spiked Amount 25.000          | Range 70 | - 120 | Recovery | =      | 135.720%# |          |
| 41) Toluene-d8                | 7.239    | 98    | 342914   | 23.432 | ug/L      | 0.00     |
| Spiked Amount 25.000          | Range 30 | - 130 | Recovery | =      | 93.720%   |          |
| 43) trans-1,3-Dichloroprop... | 7.555    | 79    | 55099    | 25.728 | ug/L      | 0.00     |
| Spiked Amount 25.000          | Range 30 | - 135 | Recovery | =      | 102.920%  |          |
| 47) 2-Hexanone-d5             | 8.034    | 63    | 46614    | 65.871 | ug/L      | 0.00     |
| Spiked Amount 50.000          | Range 20 | - 135 | Recovery | =      | 131.740%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.149   | 84    | 108319   | 27.752 | ug/L      | 0.00     |
| Spiked Amount 25.000          | Range 45 | - 120 | Recovery | =      | 111.000%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.561   | 152   | 50719    | 19.951 | ug/L      | 0.00     |
| Spiked Amount 25.000          | Range 75 | - 120 | Recovery | =      | 79.800%   |          |
| Target Compounds              |          |       |          |        |           |          |
|                               |          |       |          |        |           | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.105    | 85    | 72726    | 10.015 | ug/L      | 99       |
| 3) Chloromethane              | 1.211    | 50    | 78771    | 9.452  | ug/L      | 99       |
| 5) Vinyl chloride             | 1.278    | 62    | 87547    | 9.979  | ug/L      | 99       |
| 6) Bromomethane               | 1.484    | 94    | 48824    | 8.970  | ug/L      | 99       |
| 8) Chloroethane               | 1.545    | 64    | 62557    | 11.471 | ug/L      | 98       |
| 9) Trichlorofluoromethane     | 1.709    | 101   | 117866   | 10.818 | ug/L      | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.063    | 101   | 66227    | 9.578  | ug/L      | 99       |
| 12) 1,1-Dichloroethene        | 2.063    | 96    | 68777    | 10.664 | ug/L #    | 73       |
| 13) Acetone                   | 2.156    | 43    | 49163m   | 18.578 | ug/L      |          |
| 14) Carbon disulfide          | 2.233    | 76    | 103337   | 4.614  | ug/L      | 100      |
| 15) Methyl Acetate            | 2.391    | 43    | 35112    | 10.675 | ug/L      | 99       |
| 16) Methylene chloride        | 2.442    | 84    | 124278   | 13.637 | ug/L      | 99       |
| 17) trans-1,2-Dichloroethene  | 2.690    | 96    | 67536    | 9.858  | ug/L      | 99       |
| 18) Methyl tert-butyl Ether   | 2.706    | 73    | 231224   | 15.034 | ug/L      | 99       |
| 19) 1,1-Dichloroethane        | 3.108    | 63    | 179854   | 13.786 | ug/L      | 99       |
| 20) cis-1,2-Dichloroethene    | 3.815    | 96    | 83099    | 12.072 | ug/L      | 100      |
| 22) 2-Butanone                | 3.925    | 43    | 64046m   | 28.523 | ug/L      |          |
| 23) Bromochloromethane        | 4.146    | 128   | 44715    | 12.950 | ug/L      | 94       |

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Reviewed By :Mahesh Dadoda 06/07/2024  
 Supervised By :Semsettin Yesilyurt 06/07/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 25) Chloroform                | 4.272  | 83   | 182907   | 13.629 | ug/L   | 99       |
| 27) 1,2-Dichloroethane        | 5.043  | 62   | 112866   | 13.471 | ug/L   | 100      |
| 29) Cyclohexane               | 4.577  | 56   | 46401    | 6.984  | ug/L   | 97       |
| 30) 1,1,1-Trichloroethane     | 4.506  | 97   | 132223   | 17.334 | ug/L   | 100      |
| 31) Carbon tetrachloride      | 4.732  | 117  | 96549    | 14.427 | ug/L   | 99       |
| 33) Benzene                   | 5.008  | 78   | 313662   | 17.188 | ug/L   | 100      |
| 34) Trichloroethene           | 5.831  | 95   | 75046    | 13.418 | ug/L   | 98       |
| 35) Methylcyclohexane         | 6.047  | 83   | 38244    | 4.944  | ug/L   | 97       |
| 37) 1,2-Dichloropropane       | 6.092  | 63   | 94615    | 19.745 | ug/L   | 98       |
| 38) Bromodichloromethane      | 6.432  | 83   | 121061   | 19.088 | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 6.953  | 75   | 106424   | 14.849 | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 7.162  | 43   | 112349   | 43.154 | ug/L   | 98       |
| 42) Toluene                   | 7.313  | 91   | 259564   | 13.920 | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 7.584  | 75   | 96553    | 15.597 | ug/L   | 97       |
| 45) 1,1,2-Trichloroethane     | 7.770  | 97   | 75085    | 18.938 | ug/L   | 98       |
| 46) Tetrachloroethene         | 7.905  | 164  | 35877    | 8.771  | ug/L   | 98       |
| 48) 2-Hexanone                | 8.082  | 43   | 81693    | 40.138 | ug/L   | 95       |
| 49) Dibromochloromethane      | 8.175  | 129  | 72380    | 16.680 | ug/L   | 100      |
| 50) 1,2-Dibromoethane         | 8.284  | 107  | 62804    | 16.508 | ug/L   | 97       |
| 51) Chlorobenzene             | 8.812  | 112  | 142680   | 11.230 | ug/L   | 99       |
| 52) Ethylbenzene              | 8.947  | 91   | 191238   | 9.585  | ug/L   | 100      |
| 53) m,p-Xylene                | 9.072  | 106  | 65964    | 8.799  | ug/L   | 97       |
| 54) o-Xylene                  | 9.477  | 106  | 65518    | 9.268  | ug/L   | 98       |
| 55) Styrene                   | 9.497  | 104  | 109618   | 8.793  | ug/L   | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 10.175 | 83   | 60806    | 17.127 | ug/L   | 99       |
| 59) Bromoform                 | 9.664  | 173  | 39726    | 30.387 | ug/L # | 97       |
| 60) Isopropylbenzene          | 9.866  | 105  | 142311   | 16.001 | ug/L   | 100      |
| 61) 1,2,3-Trichloropropane    | 10.207 | 75   | 58091    | 35.431 | ug/L   | 96       |
| 62) 1,3,5-Trimethylbenzene    | 10.474 | 105  | 83281    | 12.913 | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.850 | 105  | 78184    | 11.252 | ug/L   | 97       |
| 64) 1,3-Dichlorobenzene       | 11.117 | 146  | 53341    | 11.420 | ug/L   | 100      |
| 65) 1,4-Dichlorobenzene       | 11.210 | 146  | 54690    | 11.344 | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 11.577 | 146  | 50565    | 11.505 | ug/L   | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 12.365 | 75   | 9385     | 25.598 | ug/L   | 94       |
| 69) 1,3,5-Trichlorobenzene    | 12.583 | 180  | 19205    | 5.497  | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.201 | 180  | 12678    | 4.609  | ug/L   | 99       |
| 71) Naphthalene               | 13.442 | 128  | 29021    | 6.464  | ug/L   | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.680 | 180  | 9894     | 3.941  | ug/L   | 99       |

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



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MSVOA\_V  
ClientSampleId :  
A4BN3MS

Manual IntegrationsAPPROVED

Quant Time: Jun 07 02:18:17 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM053024SMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri Jun 07 02:16:44 2024  
Response via : Initial Calibration

Reviewed By :Mahesh Dadoda 06/07/2024  
Supervised By :Semsettin Yesilyurt 06/07/2024

