

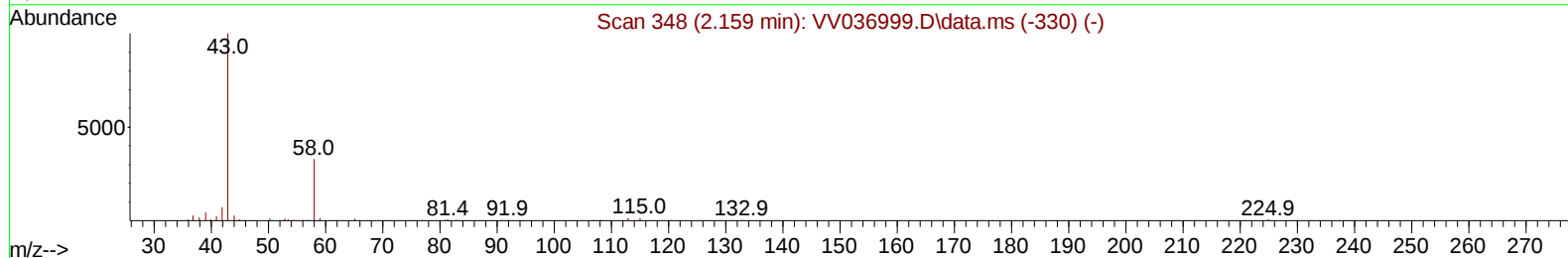
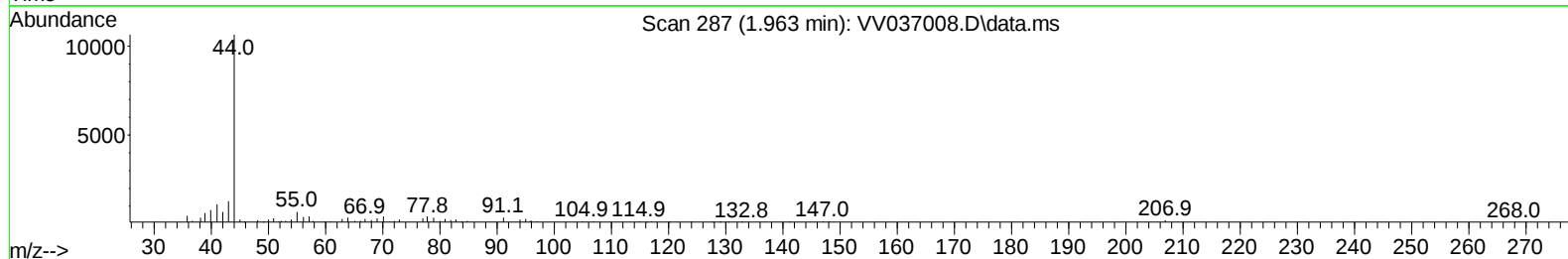
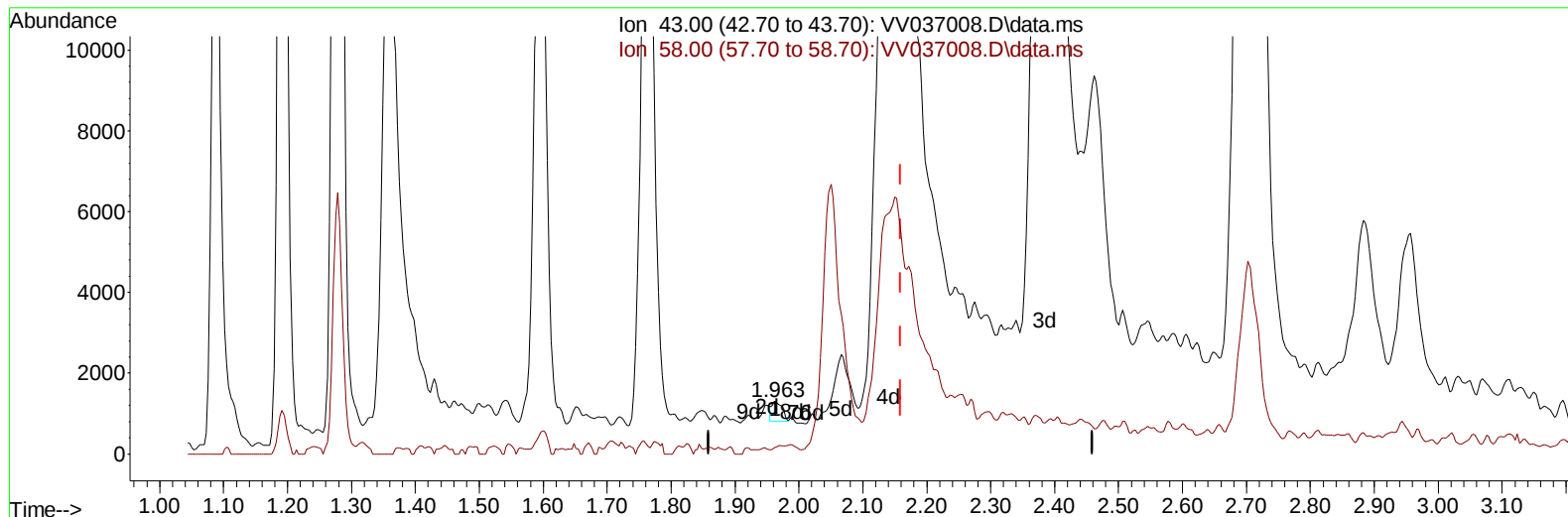
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV082224\  
Data File : VV037008.D  
Acq On : 22 Aug 2024 15:29  
Operator : SY/MD  
Sample : P3696-02MS  
Misc : 6.24g/10mL/MSVOA\_V/SOIL/A  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
GCN87MS

Manual IntegrationsAPPROVED

Quant Time: Aug 23 05:21:06 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM082224SMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri Aug 23 05:07:38 2024  
Response via : Initial Calibration

Reviewed By :Mahesh Dadoda 08/23/2024  
Supervised By :Semsettin Yesilyurt 08/23/2024



TIC: VV037008.D\data.ms

(13) Acetone (T)

1.963min (-0.196) 0.21 ug/L

response 559

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 43.00 | 100.00 | 100.00 |
| 58.00 | 10.60  | 16.28  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |



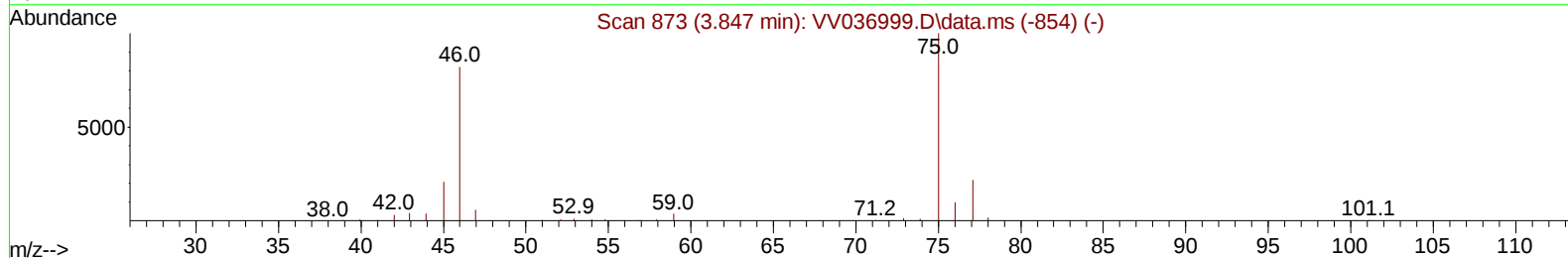
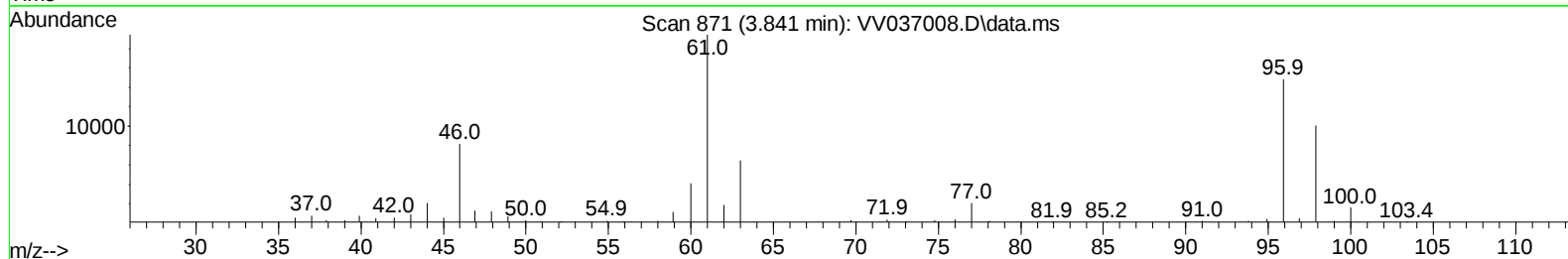
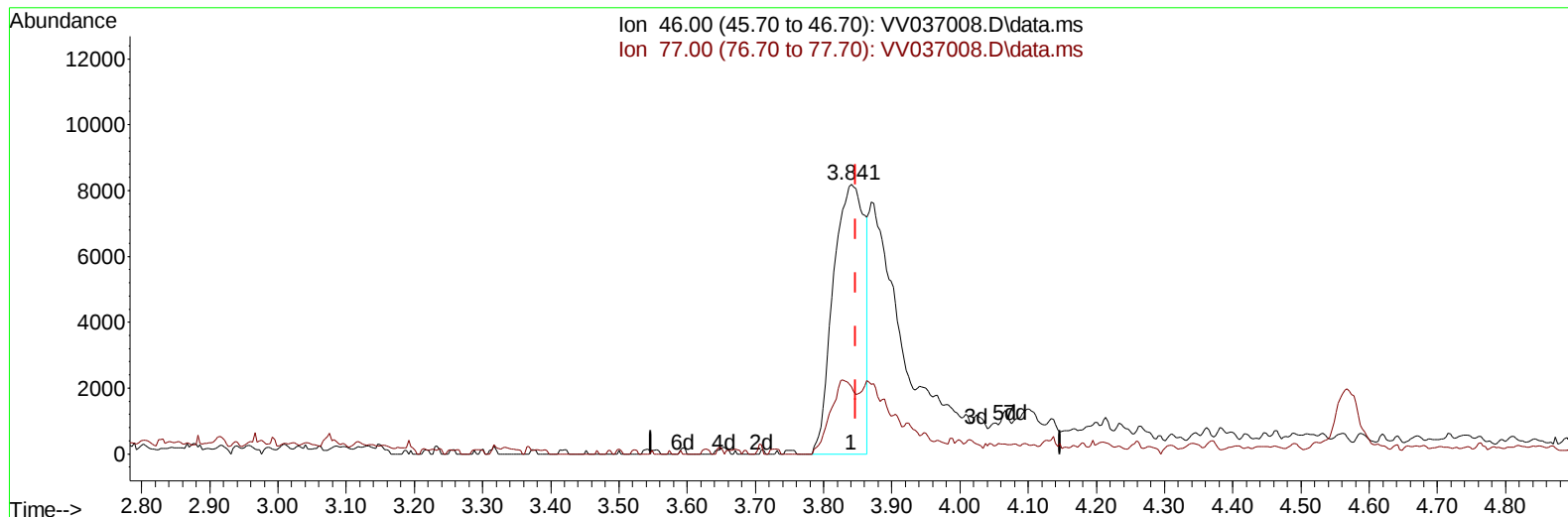
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TIC: VV037008.D\data.ms

(21) 2-Butanone-d5 (S)

3.841min (-0.006) 11.66 ug/L

response 26028

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 46.00 | 100.00 | 100.00 |
| 77.00 | 11.60  | 20.72# |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

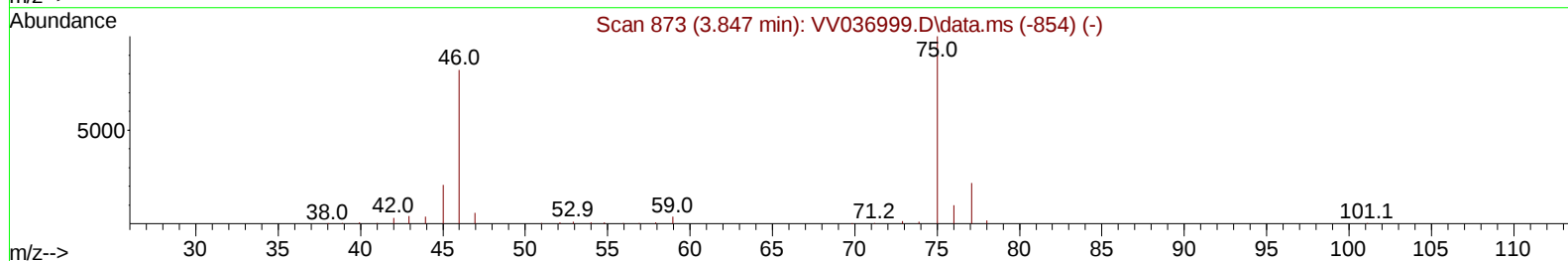
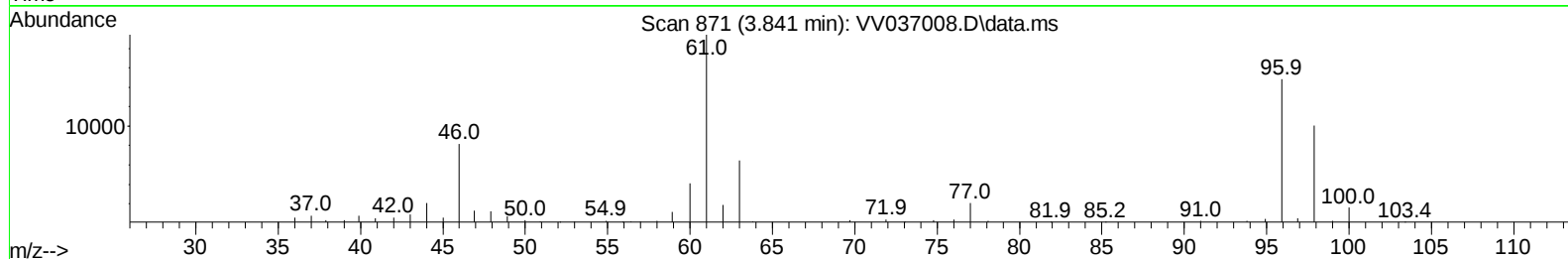
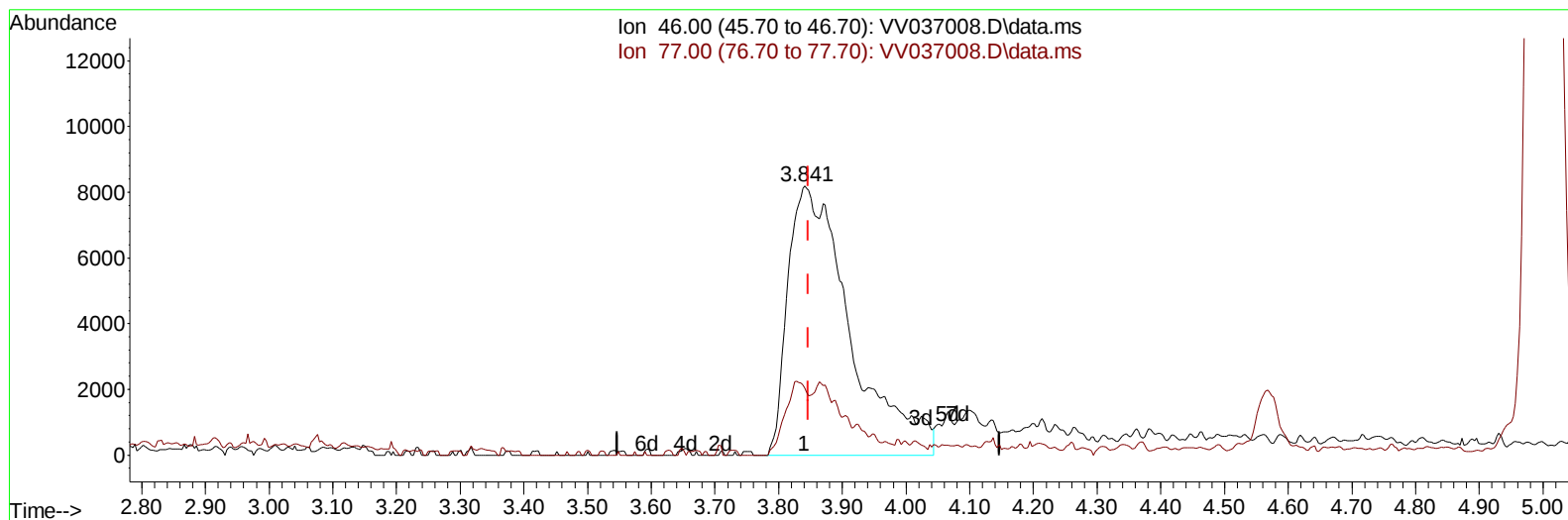
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Instrument :  
 MSVOA\_V  
 ClientSampleId :  
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Manual IntegrationsAPPROVED

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TIC: VV037008.D\data.ms

(21) 2-Butanone-d5 (S)

3.841min (-0.006) 25.00 ug/L m

response 55793

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 46.00 | 100.00 | 100.00 |
| 77.00 | 11.60  | 9.67   |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

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 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
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| Compound                      | R.T.     | QIon  | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|----------|-------|----------|--------|----------|----------|
| -----                         |          |       |          |        |          |          |
| Internal Standards            |          |       |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 5.526    | 114   | 858989   | 25.000 | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 8.780    | 117   | 613482   | 25.000 | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.181   | 152   | 168330   | 25.000 | ug/L     | 0.00     |
| System Monitoring Compounds   |          |       |          |        |          |          |
| 4) Vinyl Chloride-d3          | 1.278    | 65    | 169489   | 14.082 | ug/L     | 0.00     |
| Spiked Amount 25.000          | Range 30 | - 150 | Recovery | =      | 56.320%  |          |
| 7) Chloroethane-d5            | 1.529    | 69    | 169903   | 16.502 | ug/L     | 0.00     |
| Spiked Amount 25.000          | Range 30 | - 150 | Recovery | =      | 66.000%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.056    | 65    | 87438    | 15.080 | ug/L     | 0.00     |
| Spiked Amount 25.000          | Range 45 | - 110 | Recovery | =      | 60.320%  |          |
| 21) 2-Butanone-d5             | 3.841    | 46    | 55793m   | 24.995 | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 20 | - 135 | Recovery | =      | 50.000%  |          |
| 24) Chloroform-d              | 4.240    | 84    | 425220   | 17.566 | ug/L     | 0.00     |
| Spiked Amount 25.000          | Range 40 | - 150 | Recovery | =      | 70.280%  |          |
| 26) 1,2-Dichloroethane-d4     | 4.934    | 65    | 198611   | 17.836 | ug/L     | 0.00     |
| Spiked Amount 25.000          | Range 70 | - 130 | Recovery | =      | 71.360%  |          |
| 32) Benzene-d6                | 4.950    | 84    | 792844   | 21.567 | ug/L     | 0.00     |
| Spiked Amount 25.000          | Range 20 | - 135 | Recovery | =      | 86.280%  |          |
| 36) 1,2-Dichloropropane-d6    | 5.982    | 67    | 235546   | 21.163 | ug/L     | 0.00     |
| Spiked Amount 25.000          | Range 70 | - 120 | Recovery | =      | 84.640%  |          |
| 41) Toluene-d8                | 7.236    | 98    | 652167   | 19.463 | ug/L     | 0.00     |
| Spiked Amount 25.000          | Range 30 | - 130 | Recovery | =      | 77.840%  |          |
| 43) trans-1,3-Dichloroprop... | 7.548    | 79    | 81953    | 21.105 | ug/L     | 0.00     |
| Spiked Amount 25.000          | Range 30 | - 135 | Recovery | =      | 84.440%  |          |
| 47) 2-Hexanone-d5             | 8.034    | 63    | 43999    | 44.694 | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 20 | - 135 | Recovery | =      | 89.380%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.146   | 84    | 112826   | 18.310 | ug/L     | 0.00     |
| Spiked Amount 25.000          | Range 45 | - 120 | Recovery | =      | 73.240%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.554   | 152   | 97698    | 16.214 | ug/L     | 0.00     |
| Spiked Amount 25.000          | Range 75 | - 120 | Recovery | =      | 64.840%# |          |
| Target Compounds              |          |       |          |        |          |          |
|                               |          |       |          |        |          | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.108    | 85    | 217692   | 16.226 | ug/L     | 99       |
| 3) Chloromethane              | 1.217    | 50    | 307666   | 19.807 | ug/L     | 100      |
| 5) Vinyl chloride             | 1.282    | 62    | 307742   | 20.005 | ug/L     | 99       |
| 6) Bromomethane               | 1.487    | 94    | 205845   | 21.040 | ug/L     | 98       |
| 8) Chloroethane               | 1.548    | 64    | 207410   | 21.346 | ug/L     | 98       |
| 9) Trichlorofluoromethane     | 1.712    | 101   | 377655   | 18.593 | ug/L     | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.066    | 101   | 210782   | 16.838 | ug/L     | 100      |
| 12) 1,1-Dichloroethene        | 2.066    | 96    | 229753   | 19.707 | ug/L     | 94       |
| 13) Acetone                   | 2.146    | 43    | 104704m  | 39.971 | ug/L     |          |
| 14) Carbon disulfide          | 2.236    | 76    | 734639   | 19.030 | ug/L     | 100      |
| 15) Methyl Acetate            | 2.384    | 43    | 72996    | 17.098 | ug/L     | 99       |
| 16) Methylene chloride        | 2.442    | 84    | 295738   | 17.308 | ug/L     | 98       |
| 17) trans-1,2-Dichloroethene  | 2.687    | 96    | 266057   | 20.848 | ug/L     | 96       |
| 18) Methyl tert-butyl Ether   | 2.706    | 73    | 587372   | 22.217 | ug/L     | 99       |
| 19) 1,1-Dichloroethane        | 3.101    | 63    | 511237   | 20.580 | ug/L     | 98       |
| 20) cis-1,2-Dichloroethene    | 3.806    | 96    | 278410   | 20.339 | ug/L     | 99       |
| 22) 2-Butanone                | 3.921    | 43    | 44157    | 16.379 | ug/L     | 83       |
| 23) Bromochloromethane        | 4.140    | 128   | 107397   | 19.771 | ug/L     | 93       |

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Manual IntegrationsAPPROVED

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 25) Chloroform                | 4.269  | 83   | 492043   | 20.264 | ug/L   | 99       |
| 27) 1,2-Dichloroethane        | 5.034  | 62   | 276094   | 20.792 | ug/L   | 98       |
| 29) Cyclohexane               | 4.568  | 56   | 304717   | 19.147 | ug/L   | 99       |
| 30) 1,1,1-Trichloroethane     | 4.500  | 97   | 390367   | 25.235 | ug/L   | 99       |
| 31) Carbon tetrachloride      | 4.722  | 117  | 308275   | 23.612 | ug/L   | 100      |
| 33) Benzene                   | 4.998  | 78   | 1004424  | 25.115 | ug/L   | 100      |
| 34) Trichloroethene           | 5.825  | 95   | 254821   | 22.571 | ug/L   | 98       |
| 35) Methylcyclohexane         | 6.040  | 83   | 236627   | 13.555 | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 6.085  | 63   | 237159   | 24.547 | ug/L   | 100      |
| 38) Bromodichloromethane      | 6.426  | 83   | 295004   | 24.583 | ug/L   | 97       |
| 39) cis-1,3-Dichloropropene   | 6.947  | 75   | 359144   | 25.458 | ug/L   | 100      |
| 40) 4-Methyl-2-pentanone      | 7.162  | 43   | 195213   | 47.863 | ug/L   | 98       |
| 42) Toluene                   | 7.307  | 91   | 980974   | 23.413 | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 7.577  | 75   | 263855   | 24.581 | ug/L   | 98       |
| 45) 1,1,2-Trichloroethane     | 7.764  | 97   | 147619   | 23.283 | ug/L   | 99       |
| 46) Tetrachloroethene         | 7.899  | 164  | 145376   | 18.212 | ug/L   | 94       |
| 48) 2-Hexanone                | 8.082  | 43   | 114825   | 37.577 | ug/L   | 98       |
| 49) Dibromochloromethane      | 8.172  | 129  | 155662   | 22.316 | ug/L   | 99       |
| 50) 1,2-Dibromoethane         | 8.278  | 107  | 133563   | 23.343 | ug/L   | 99       |
| 51) Chlorobenzene             | 8.809  | 112  | 509627   | 19.047 | ug/L   | 99       |
| 52) Ethylbenzene              | 8.940  | 91   | 907561   | 19.210 | ug/L   | 99       |
| 53) m,p-Xylene                | 9.066  | 106  | 330813   | 18.847 | ug/L   | 96       |
| 54) o-Xylene                  | 9.471  | 106  | 299584   | 17.867 | ug/L   | 100      |
| 55) Styrene                   | 9.490  | 104  | 477102   | 17.240 | ug/L   | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.172 | 83   | 122769   | 20.916 | ug/L   | 95       |
| 59) Bromoform                 | 9.661  | 173  | 67613    | 35.466 | ug/L   | 97       |
| 60) Isopropylbenzene          | 9.860  | 105  | 716120   | 26.981 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.204 | 75   | 103150   | 38.000 | ug/L   | 97       |
| 62) 1,3,5-Trimethylbenzene    | 10.471 | 105  | 485396   | 22.338 | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 10.847 | 105  | 470030   | 22.192 | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.111 | 146  | 221349   | 19.514 | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.204 | 146  | 218596   | 19.294 | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 11.574 | 146  | 178391   | 18.152 | ug/L   | 100      |
| 68) 1,2-Dibromo-3-chloropr... | 12.361 | 75   | 17708    | 33.382 | ug/L   | 95       |
| 69) 1,3,5-Trichlorobenzene    | 12.577 | 180  | 72718    | 9.199  | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.194 | 180  | 54268    | 8.579  | ug/L # | 81       |
| 71) Naphthalene               | 13.435 | 128  | 165214   | 17.337 | ug/L # | 92       |
| 72) 1,2,3-Trichlorobenzene    | 13.677 | 180  | 38689    | 7.387  | ug/L # | 83       |

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

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