

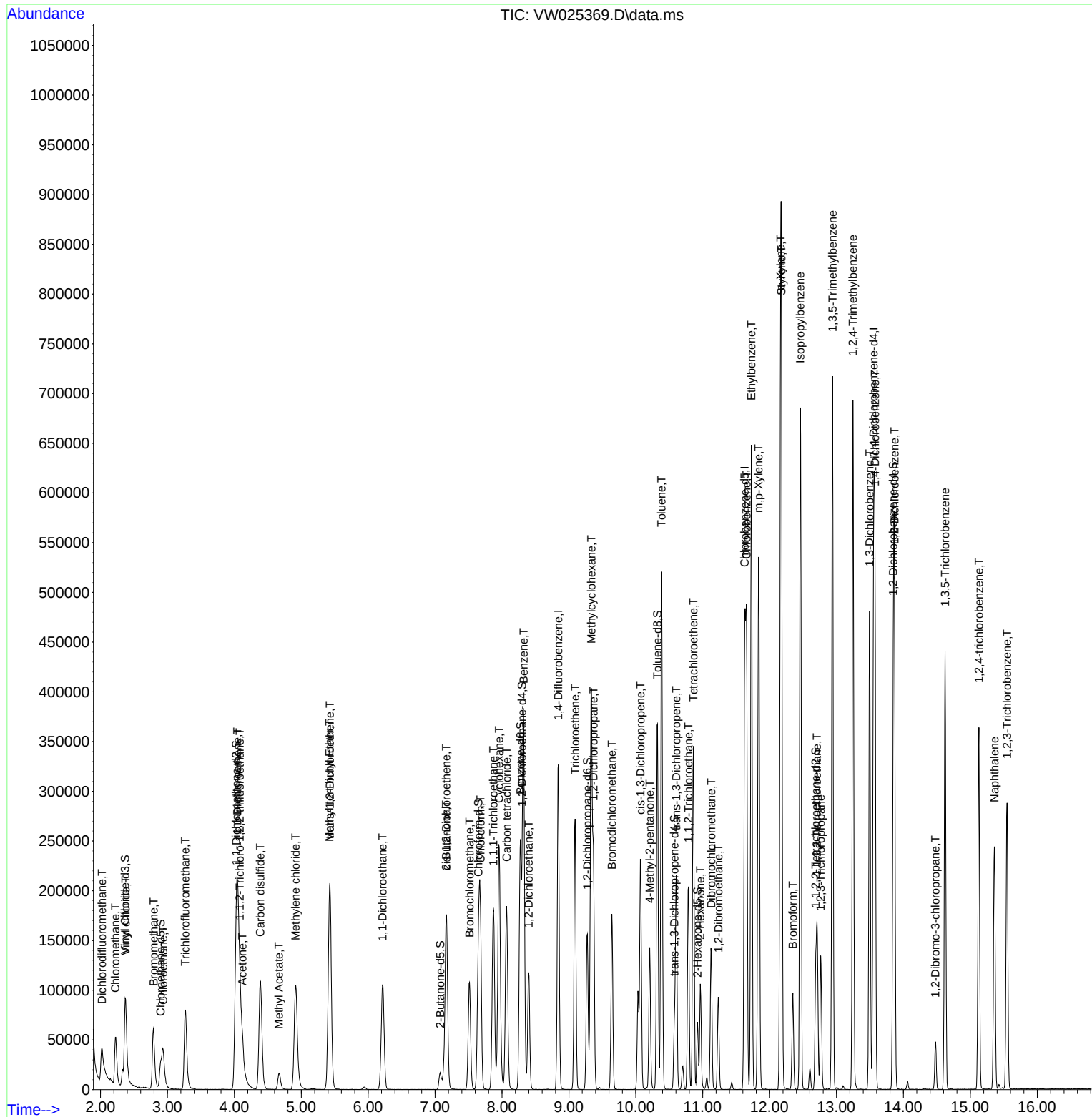
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW022423\  
 Data File : VW025369.D  
 Acq On : 24 Feb 2023 12:16  
 Operator : SY/MD  
 Sample : VSTDCCC025EC  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 LabSampleId :  
 VSTDCCC025EC

## Manual IntegrationsAPPROVED

Reviewed By :Semsettin Yesilyurt 02/27/2023  
 Supervised By :Mahesh Dadoda 02/27/2023

Quant Time: Feb 27 00:39:33 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM02223SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Feb 22 21:27:06 2023  
 Response via : Initial Calibration



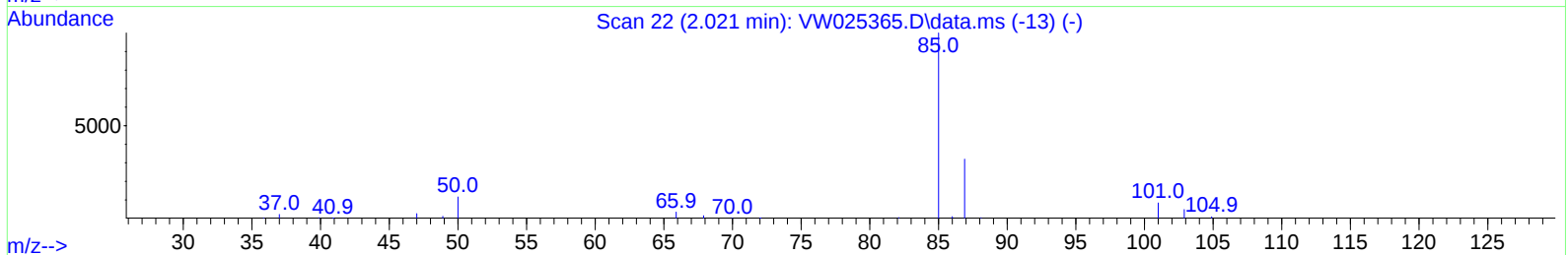
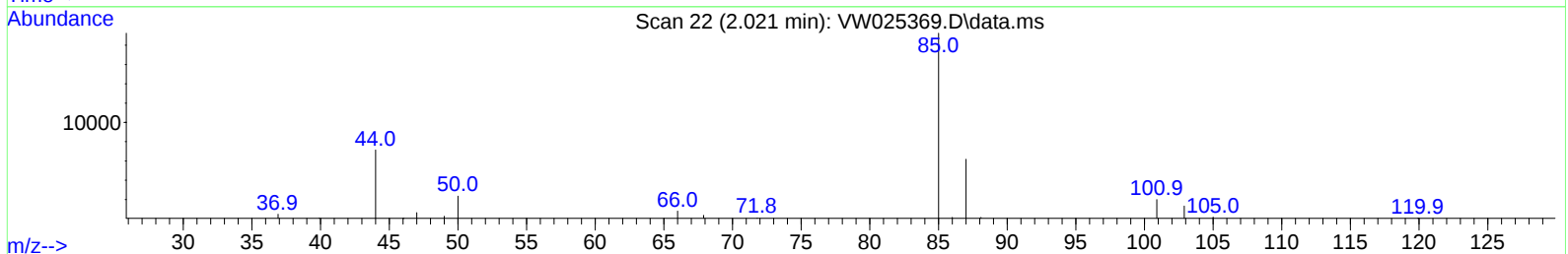
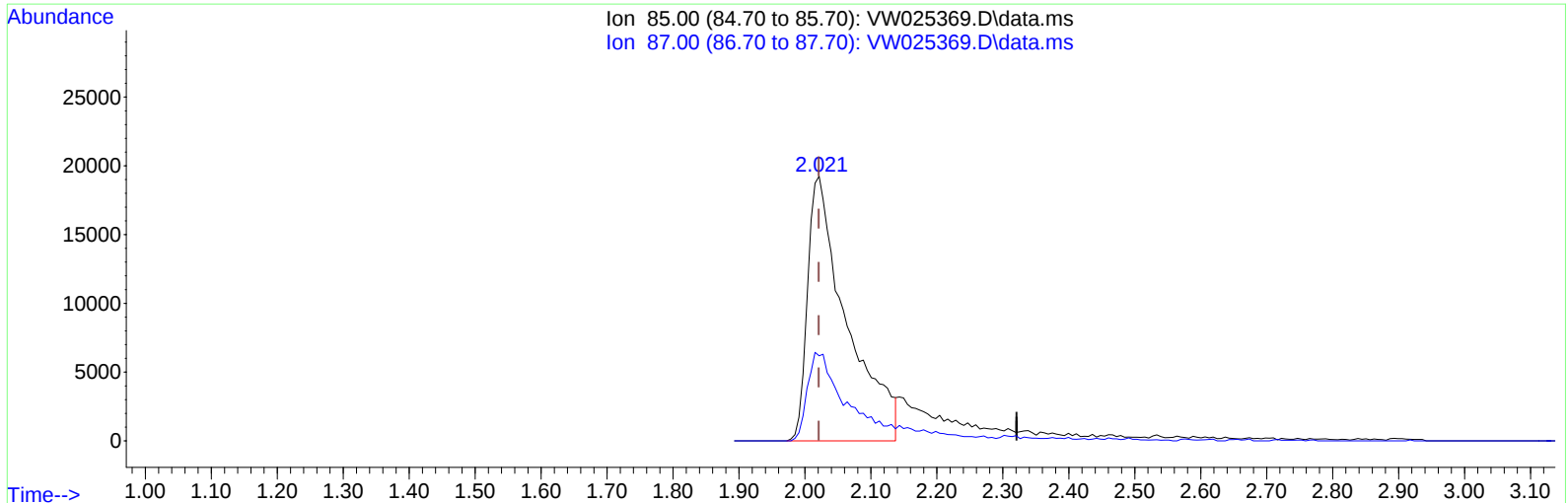
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TIC: VW025369.D\data.ms

## (2) Dichlorodifluoromethane (T)

2.021min (+ 0.000) 23.53 ug/L

response 78975

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 85.00 | 100.00 | 100.00 |
| 87.00 | 25.70  | 22.92  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

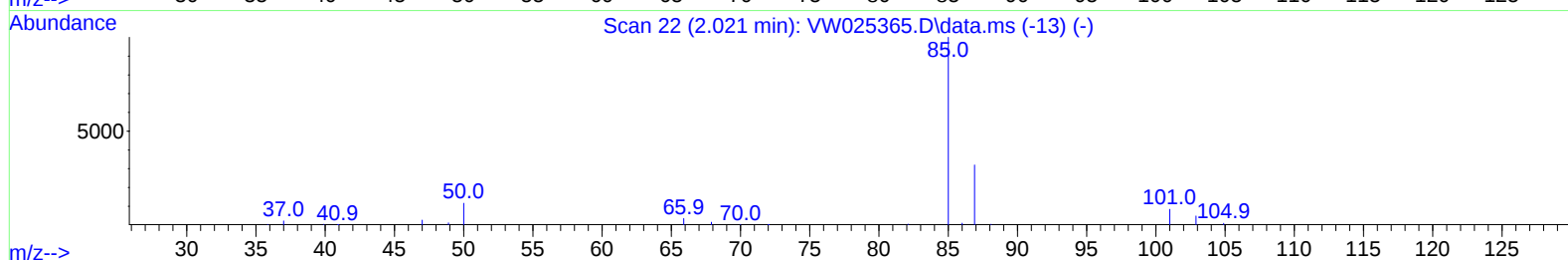
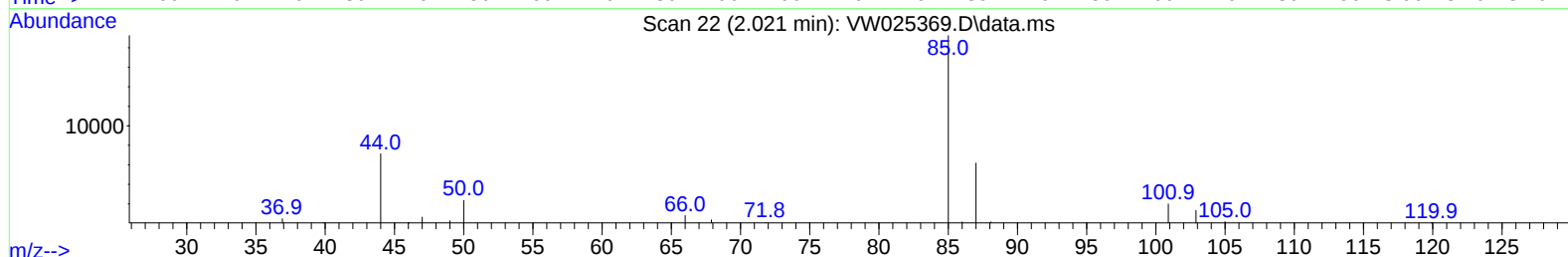
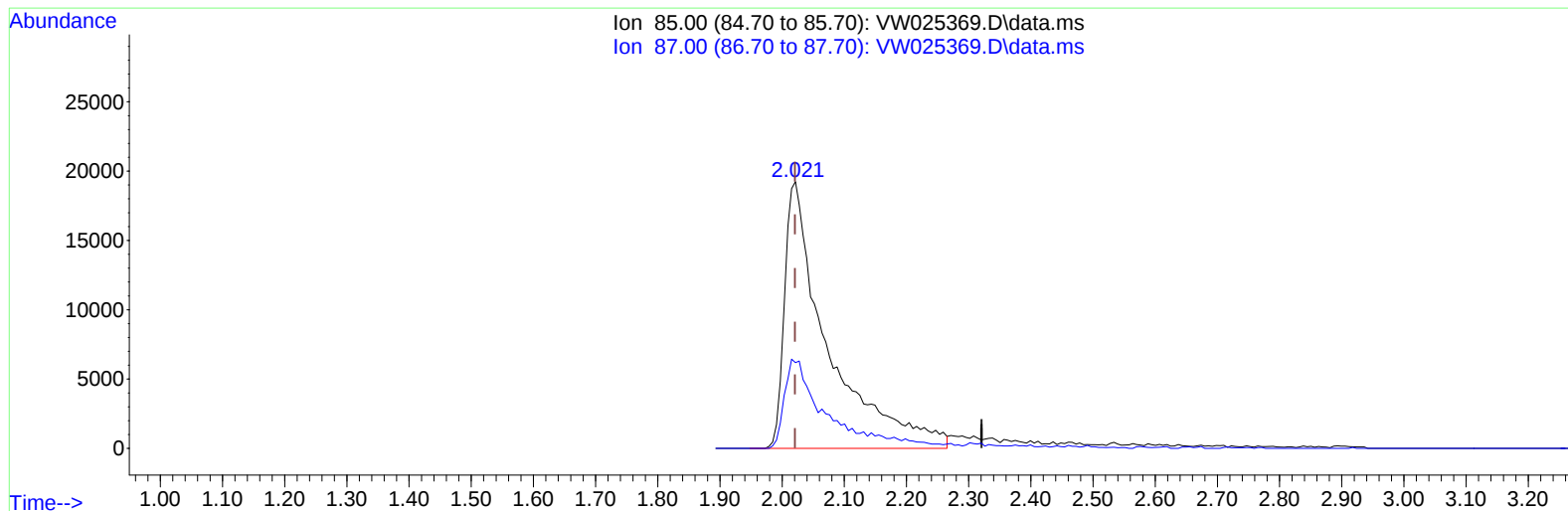
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TIC: VW025369.D\data.ms

(2) Dichlorodifluoromethane (T)

2.021min (+ 0.000) 27.66 ug/L m

response 92832

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 85.00 | 100.00 | 100.00 |
| 87.00 | 25.70  | 19.50# |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

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| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 267341   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 238753   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 120559   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.369  | 65    | 51462    | 22.738   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 90.960%  |
| 7) Chloroethane-d5            | 2.899  | 69    | 38470    | 23.055   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 92.200%  |
| 11) 1,1-Dichloroethene-d2     | 4.027  | 63    | 145621   | 24.788   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 99.160%  |
| 21) 2-Butanone-d5             | 7.075  | 46    | 27017    | 52.621   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 105.240% |
| 24) Chloroform-d              | 7.648  | 84    | 139723   | 27.245   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 109.000% |
| 26) 1,2-Dichloroethane-d4     | 8.301  | 65    | 74945    | 28.171   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 112.680% |
| 32) Benzene-d6                | 8.276  | 84    | 258745   | 25.573   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 102.280% |
| 36) 1,2-Dichloropropane-d6    | 9.276  | 67    | 70252    | 24.743   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 98.960%  |
| 41) Toluene-d8                | 10.325 | 98    | 247678   | 26.257   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 105.040% |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 34145    | 26.397   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 105.600% |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 22678    | 54.756   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 109.520% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 56510    | 26.586   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 106.360% |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 77110    | 25.183   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 100.720% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.021  | 85    | 92832m   | 27.661   | ug/L   |          |
| 3) Chloromethane              | 2.223  | 50    | 64763    | 21.499   | ug/L   | 99       |
| 5) Vinyl chloride             | 2.375  | 62    | 80144    | 22.853   | ug/L   | 100      |
| 6) Bromomethane               | 2.796  | 94    | 49715    | 22.326   | ug/L   | 99       |
| 8) Chloroethane               | 2.936  | 64    | 44310    | 21.592   | ug/L   | 96       |
| 9) Trichlorofluoromethane     | 3.265  | 101   | 98617    | 23.174   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.082  | 101   | 86119    | 23.824   | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 4.045  | 96    | 80400    | 23.340   | ug/L   | 95       |
| 13) Acetone                   | 4.119  | 43    | 38069    | 44.759   | ug/L   | 95       |
| 14) Carbon disulfide          | 4.387  | 76    | 261209   | 23.248   | ug/L   | 99       |
| 15) Methyl Acetate            | 4.667  | 43    | 31476    | 22.970   | ug/L   | 99       |
| 16) Methylene chloride        | 4.917  | 84    | 92245    | 24.402   | ug/L   | 99       |
| 17) trans-1,2-Dichloroethene  | 5.429  | 96    | 86295    | 23.897   | ug/L   | 98       |
| 18) Methyl tert-butyl Ether   | 5.423  | 73    | 126314   | 24.766   | ug/L # | 90       |
| 19) 1,1-Dichloroethane        | 6.216  | 63    | 150477   | 23.189   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 7.167  | 96    | 89386    | 23.557   | ug/L   | 96       |
| 22) 2-Butanone                | 7.167  | 43    | 44600    | 45.207   | ug/L   | 98       |
| 23) Bromochloromethane        | 7.514  | 128   | 38792    | 23.958   | ug/L   | 94       |
| 25) Chloroform                | 7.679  | 83    | 165692   | 24.812   | ug/L   | 93       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 114830   | 25.493 | ug/L  | 98       |
| 29) Cyclohexane               | 7.959  | 56   | 138842   | 23.101 | ug/L  | 98       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 154827   | 25.034 | ug/L  | 98       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 144264   | 24.782 | ug/L  | 99       |
| 33) Benzene                   | 8.325  | 78   | 341623   | 23.401 | ug/L  | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 94945    | 23.288 | ug/L  | 98       |
| 35) Methylcyclohexane         | 9.337  | 83   | 168176   | 23.539 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 9.368  | 63   | 80911    | 22.913 | ug/L  | 99       |
| 38) Bromodichloromethane      | 9.642  | 83   | 114943   | 23.997 | ug/L  | 97       |
| 39) cis-1,3-Dichloropropene   | 10.069 | 75   | 137014   | 23.715 | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 84993    | 47.312 | ug/L  | 99       |
| 42) Toluene                   | 10.386 | 91   | 372204   | 23.683 | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 120677   | 24.848 | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 10.788 | 97   | 63089    | 23.953 | ug/L  | 94       |
| 46) Tetrachloroethene         | 10.861 | 164  | 73739    | 23.952 | ug/L  | 98       |
| 48) 2-Hexanone                | 10.965 | 43   | 62696    | 46.759 | ug/L  | 98       |
| 49) Dibromochloromethane      | 11.129 | 129  | 75270    | 24.740 | ug/L  | 97       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 59905    | 23.725 | ug/L  | 94       |
| 51) Chlorobenzene             | 11.654 | 112  | 238722   | 23.652 | ug/L  | 98       |
| 52) Ethylbenzene              | 11.727 | 91   | 439048   | 24.108 | ug/L  | 98       |
| 53) m,p-Xylene                | 11.837 | 106  | 168372   | 24.332 | ug/L  | 99       |
| 54) o-Xylene                  | 12.166 | 106  | 155908   | 24.372 | ug/L  | 98       |
| 55) Styrene                   | 12.178 | 104  | 267210   | 24.561 | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 70783    | 23.541 | ug/L  | 100      |
| 59) Bromoform                 | 12.349 | 173  | 42831    | 23.731 | ug/L  | 99       |
| 60) Isopropylbenzene          | 12.459 | 105  | 444360   | 22.535 | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 53399    | 22.356 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 374316   | 23.637 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 361636   | 24.125 | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 181719   | 23.568 | ug/L  | 96       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 186315   | 24.103 | ug/L  | 95       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 165419   | 23.395 | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 13577    | 24.600 | ug/L  | 97       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 127116   | 24.086 | ug/L  | 97       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 102793   | 22.447 | ug/L  | 94       |
| 71) Naphthalene               | 15.360 | 128  | 209709   | 23.816 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 90562    | 23.286 | ug/L  | 96       |

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