

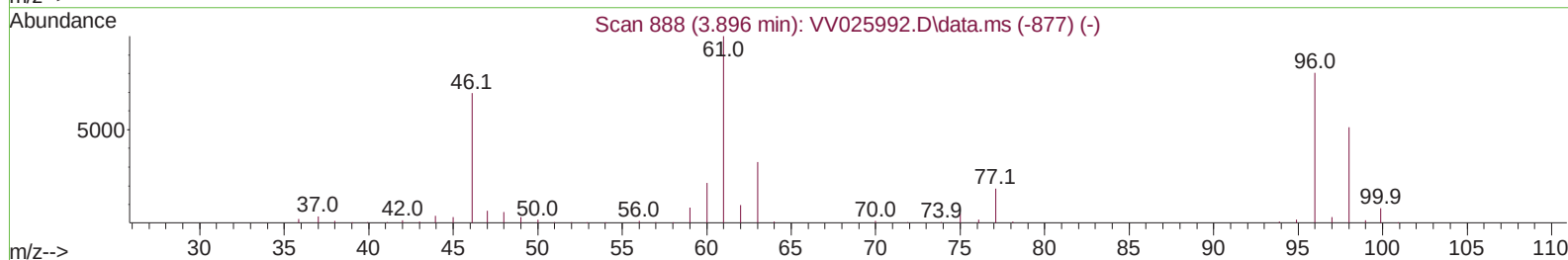
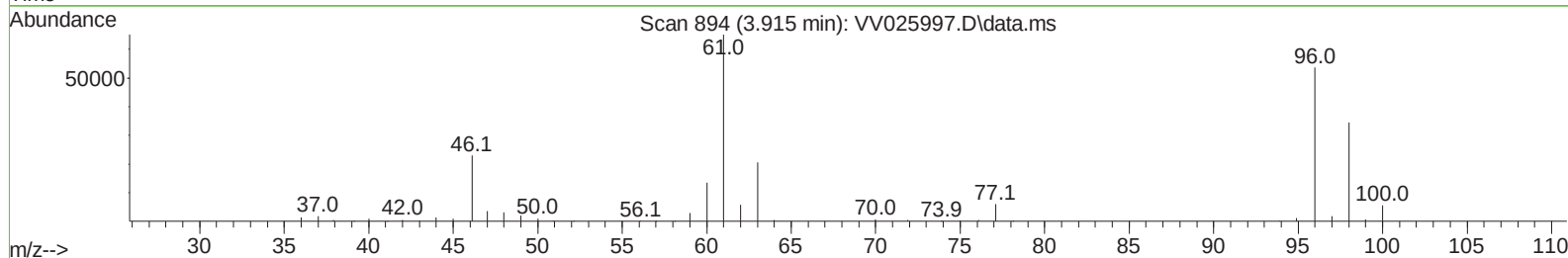
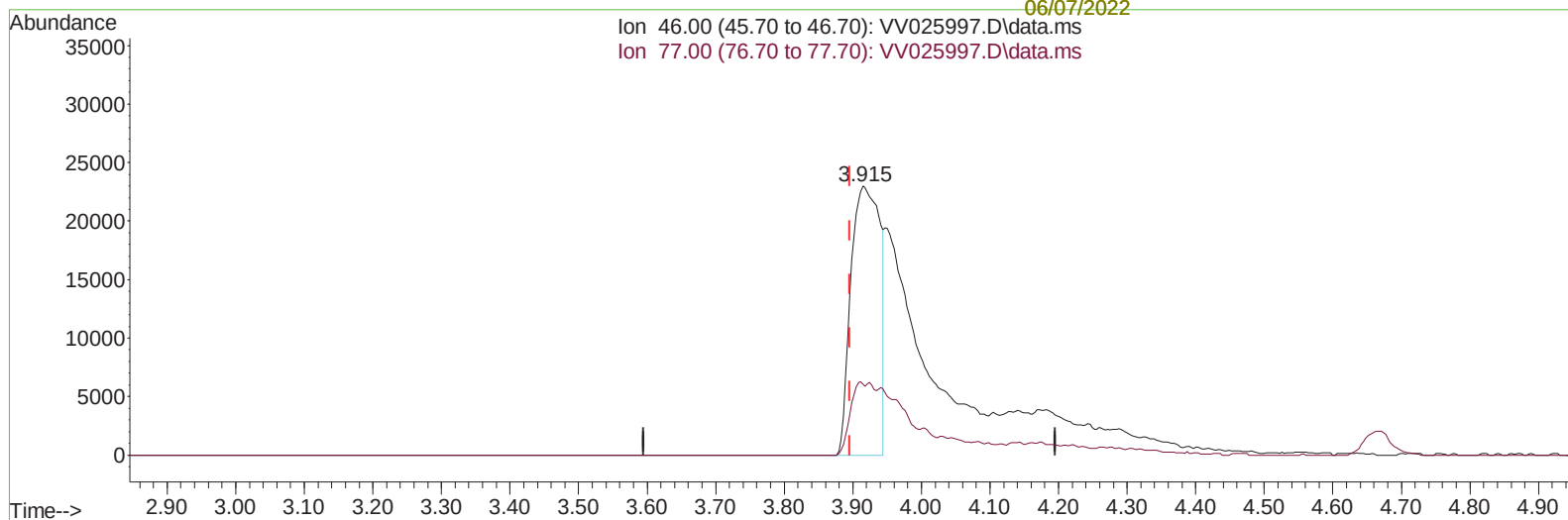
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV060622\  
Data File : VV025997.D  
Acq On : 06 Jun 2022 13:10  
Operator : SY/MD  
Sample : N3171-03MEMS  
Misc : 5.25g/5.0mL/100uL/5.0mL/MSVOA\_V/MEOH  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
DBTY9MEMS

## Manual IntegrationsAPPROVED

Reviewed By :John  
Carlone  
06/07/2022  
Supervised By :Mahesh  
Dadoda  
06/07/2022

Quant Time: Jun 07 02:27:33 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM051022WMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Jun 07 02:25:55 2022  
Response via : Initial Calibration



TIC: VV025997.D\data.ms

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

3.915min (+ 0.019) 32.59 ug/L

response 67688

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 46.00 | 100.00 | 100.00 |
| 77.00 | 26.30  | 14.00# |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

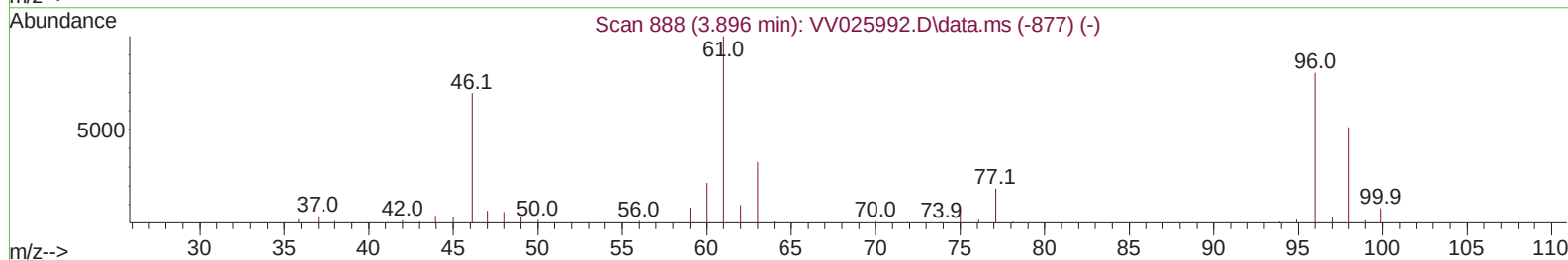
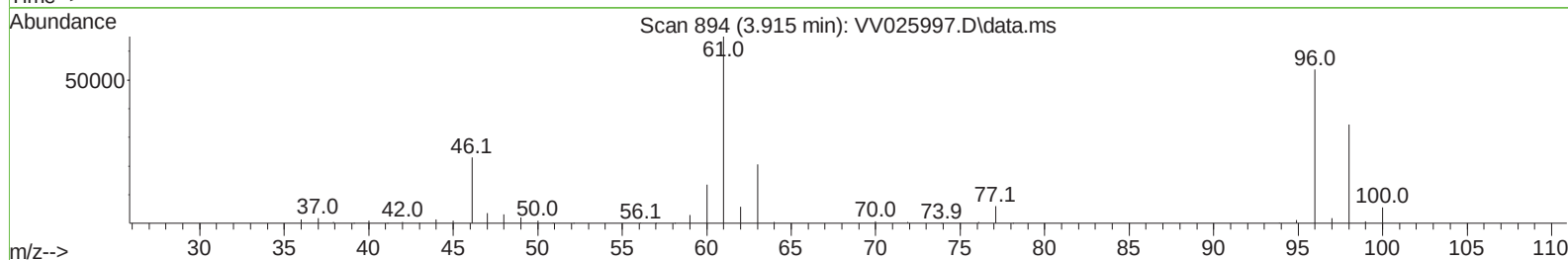
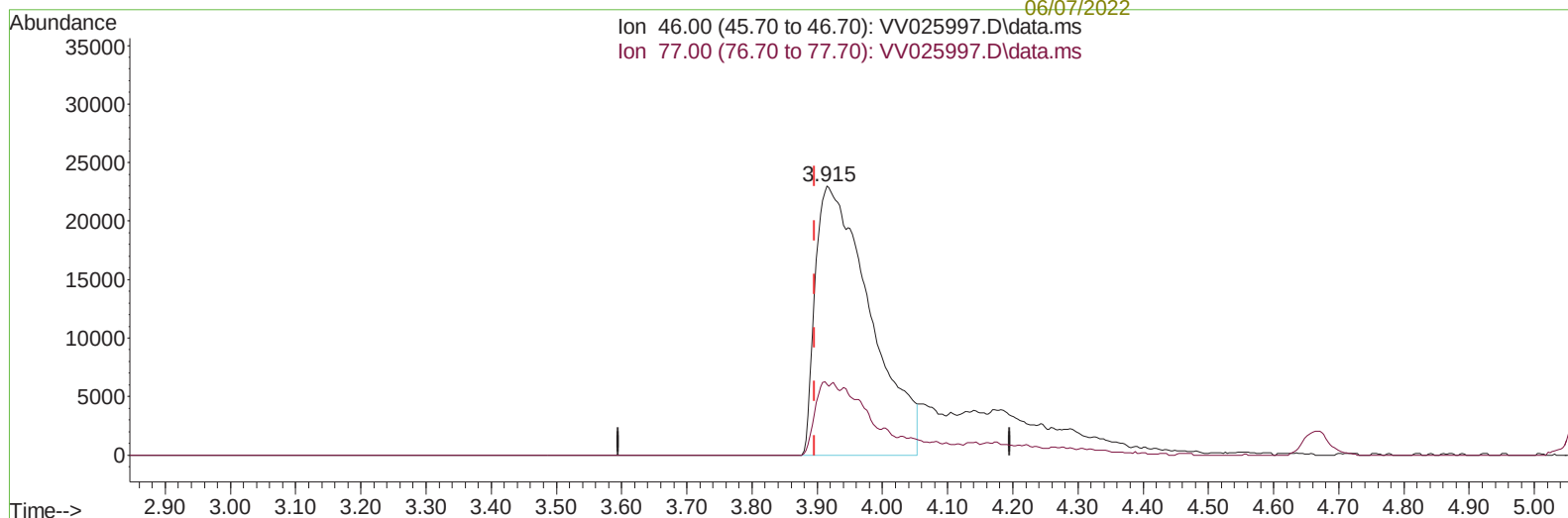
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TIC: VV025997.D\data.ms

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

3.915min (+ 0.019) 64.38 ug/L m

response 133704

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 46.00 | 100.00 | 100.00 |
| 77.00 | 26.30  | 7.09#  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

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 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 DBTY9MEMS

Manual IntegrationsAPPROVED

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Reviewed By :John  
 Carlone  
 06/07/2022  
 Supervised By :Mahesh  
 Dadoda  
 06/07/2022

| Compound                      | R.T.     | QIon  | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|----------|-------|----------|--------|----------|----------|
| -----                         |          |       |          |        |          |          |
| Internal Standards            |          |       |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 5.613    | 114   | 375422   | 50.000 | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 8.854    | 117   | 387771   | 50.000 | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249   | 152   | 225015   | 50.000 | ug/L     | 0.00     |
| System Monitoring Compounds   |          |       |          |        |          |          |
| 4) Vinyl Chloride-d3          | 1.307    | 65    | 146352   | 30.206 | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 60 | - 135 | Recovery | =      | 60.420%  |          |
| 7) Chloroethane-d5            | 1.571    | 69    | 121889   | 28.646 | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 70 | - 130 | Recovery | =      | 57.300%# |          |
| 11) 1,1-Dichloroethene-d2     | 2.095    | 63    | 297343   | 35.089 | ug/L     | -0.02    |
| Spiked Amount 50.000          | Range 60 | - 125 | Recovery | =      | 70.180%  |          |
| 21) 2-Butanone-d5             | 3.915    | 46    | 133704m  | 64.383 | ug/L     | 0.02     |
| Spiked Amount 100.000         | Range 40 | - 130 | Recovery | =      | 64.380%  |          |
| 24) Chloroform-d              | 4.342    | 84    | 277537   | 41.011 | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 70 | - 125 | Recovery | =      | 82.020%  |          |
| 26) 1,2-Dichloroethane-d4     | 5.027    | 65    | 160434   | 39.226 | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 70 | - 125 | Recovery | =      | 78.460%  |          |
| 32) Benzene-d6                | 5.043    | 84    | 548782   | 40.595 | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 70 | - 125 | Recovery | =      | 81.200%  |          |
| 36) 1,2-Dichloropropane-d6    | 6.066    | 67    | 171182   | 41.229 | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 70 | - 120 | Recovery | =      | 82.460%  |          |
| 41) Toluene-d8                | 7.313    | 98    | 510511   | 40.987 | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 80 | - 120 | Recovery | =      | 81.980%  |          |
| 43) trans-1,3-Dichloroprop... | 7.622    | 79    | 78878    | 42.558 | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 60 | - 125 | Recovery | =      | 85.120%  |          |
| 47) 2-Hexanone-d5             | 8.111    | 63    | 123309   | 81.006 | ug/L     | 0.03     |
| Spiked Amount 100.000         | Range 45 | - 130 | Recovery | =      | 81.010%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.220   | 84    | 236812   | 42.769 | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 65 | - 120 | Recovery | =      | 85.540%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.625   | 152   | 204552   | 41.442 | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 80 | - 120 | Recovery | =      | 82.880%  |          |
| Target Compounds              |          |       |          |        |          |          |
|                               |          |       |          |        | Qvalue   |          |
| 2) Dichlorodifluoromethane    | 1.130    | 85    | 152871   | 39.384 | ug/L     | 99       |
| 3) Chloromethane              | 1.243    | 50    | 194363   | 41.404 | ug/L     | 99       |
| 5) Vinyl chloride             | 1.314    | 62    | 194468   | 40.747 | ug/L     | 100      |
| 6) Bromomethane               | 1.523    | 94    | 103958   | 35.847 | ug/L     | 98       |
| 8) Chloroethane               | 1.587    | 64    | 120452   | 33.795 | ug/L     | 97       |
| 9) Trichlorofluoromethane     | 1.748    | 101   | 312358   | 46.054 | ug/L     | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.101    | 101   | 159538   | 44.273 | ug/L     | 96       |
| 12) 1,1-Dichloroethene        | 2.105    | 96    | 148321   | 41.849 | ug/L     | 91       |
| 13) Acetone                   | 2.191    | 43    | 133073   | 93.903 | ug/L     | 99       |
| 14) Carbon disulfide          | 2.278    | 76    | 421589   | 48.091 | ug/L     | 100      |
| 15) Methyl Acetate            | 2.436    | 43    | 138975   | 45.774 | ug/L     | 100      |
| 16) Methylene chloride        | 2.497    | 84    | 169531   | 49.384 | ug/L     | 97       |
| 17) trans-1,2-Dichloroethene  | 2.748    | 96    | 148644   | 48.816 | ug/L     | 98       |
| 18) Methyl tert-butyl Ether   | 2.770    | 73    | 468487   | 52.901 | ug/L     | 98       |
| 19) 1,1-Dichloroethane        | 3.182    | 63    | 287599   | 50.568 | ug/L     | 100      |
| 20) cis-1,2-Dichloroethene    | 3.902    | 96    | 164416   | 50.024 | ug/L     | 99       |
| 22) 2-Butanone                | 3.995    | 43    | 155410   | 82.232 | ug/L #   | 69       |
| 23) Bromochloromethane        | 4.240    | 128   | 86232    | 49.671 | ug/L     | 98       |

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 Response via : Initial Calibration

Reviewed By :John  
 Carlone  
 06/07/2022  
 Supervised By :Mahesh  
 Dadoda  
 06/07/2022

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 25) Chloroform                | 4.368  | 83   | 296171   | 49.142  | ug/L   | 100      |
| 27) 1,2-Dichloroethane        | 5.127  | 62   | 216260   | 47.461  | ug/L   | 99       |
| 29) Cyclohexane               | 4.667  | 56   | 235340   | 50.130  | ug/L   | 98       |
| 30) 1,1,1-Trichloroethane     | 4.600  | 97   | 252289   | 47.906  | ug/L   | 99       |
| 31) Carbon tetrachloride      | 4.818  | 117  | 211516   | 47.840  | ug/L   | 100      |
| 33) Benzene                   | 5.092  | 78   | 644618   | 49.370  | ug/L   | 100      |
| 34) Trichloroethene           | 5.908  | 95   | 165535   | 48.472  | ug/L   | 99       |
| 35) Methylcyclohexane         | 6.124  | 83   | 263461   | 51.510  | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 6.169  | 63   | 166828   | 50.863  | ug/L   | 100      |
| 38) Bromodichloromethane      | 6.506  | 83   | 216130   | 48.728  | ug/L   | 97       |
| 39) cis-1,3-Dichloropropene   | 7.024  | 75   | 242983   | 51.950  | ug/L   | 100      |
| 40) 4-Methyl-2-pentanone      | 7.236  | 43   | 381056   | 99.390  | ug/L # | 76       |
| 42) Toluene                   | 7.384  | 91   | 702482   | 50.153  | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene | 7.648  | 75   | 233070   | 51.795  | ug/L   | 97       |
| 45) 1,1,2-Trichloroethane     | 7.838  | 97   | 169442   | 50.843  | ug/L   | 99       |
| 46) Tetrachloroethene         | 7.973  | 164  | 126094   | 50.055  | ug/L   | 97       |
| 48) 2-Hexanone                | 8.159  | 43   | 306295   | 102.678 | ug/L   | 97       |
| 49) Dibromochloromethane      | 8.246  | 129  | 171731   | 52.241  | ug/L   | 99       |
| 50) 1,2-Dibromoethane         | 8.352  | 107  | 170639   | 50.350  | ug/L   | 100      |
| 51) Chlorobenzene             | 8.882  | 112  | 445307   | 49.648  | ug/L   | 98       |
| 52) Ethylbenzene              | 9.011  | 91   | 749734   | 51.882  | ug/L   | 100      |
| 53) m,p-Xylene                | 9.136  | 106  | 294797   | 52.595  | ug/L   | 100      |
| 54) o-Xylene                  | 9.545  | 106  | 286714   | 52.073  | ug/L   | 99       |
| 55) Styrene                   | 9.561  | 104  | 523460   | 54.562  | ug/L   | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.246 | 83   | 252464   | 50.773  | ug/L   | 99       |
| 59) Bromoform                 | 9.735  | 173  | 108695   | 50.076  | ug/L   | 98       |
| 60) Isopropylbenzene          | 9.931  | 105  | 764830   | 50.744  | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.278 | 75   | 203973   | 45.798  | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.538 | 105  | 401174   | 51.638  | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.915 | 105  | 636789   | 52.829  | ug/L   | 100      |
| 64) 1,3-Dichlorobenzene       | 11.181 | 146  | 363065   | 50.889  | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.275 | 146  | 368224   | 49.249  | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 11.644 | 146  | 359019   | 48.651  | ug/L   | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.429 | 75   | 42763    | 41.588  | ug/L   | 93       |
| 69) 1,3,5-Trichlorobenzene    | 12.644 | 180  | 253948   | 51.552  | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.259 | 180  | 213773   | 50.962  | ug/L   | 99       |
| 71) Naphthalene               | 13.500 | 128  | 606517   | 48.822  | ug/L   | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.741 | 180  | 216830   | 50.724  | ug/L   | 100      |

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

## Manual IntegrationsAPPROVED

06/07/2022

TIC: VV025997.D\data.ms

Abundance

Time-->

Chloroform, T  
Dichloromethane, T  
Carbon disulfide, T  
Methyl acetate, T  
Acetone, T  
trans-1,2-Dichloroethene, T  
1,1-Dichloroethane, T  
2-Butanone, T  
Bromochloropropane, T  
1,1,1-Trichloroethane, T  
Carbon tetrachloride, T  
1,2-Dichloroethane, T  
1,4-Difluorobenzene, I  
Trichloroethene, T  
1,2-Dichloropropane, T  
Methylcyclohexane, T  
Bromodichloromethane, T  
cis-1,3-Dichloropropene, T  
4-Methyl-2-pentanone, T  
Toluene, T  
trans-1,3-Dichloropropene, T  
1,1,2-Trichloroethane, T  
tetra-chloroethene, T  
2-Hexanone, T  
1,2-Dibromoethane, I  
Chlorobenzene, T  
m,p-Xylene, I  
Ethylbenzene, T  
Styrene, T  
Isopropylbenzene  
1,3,5-Trimethylbenzene  
1,3-Dimethylbenzene, T  
1,2-Dimethylbenzene, T  
1,2-Dibromo-3-chloropropane, T  
1,3,5-Trichlorobenzene  
1,2,4-trichlorobenzene, T  
Naphthalene  
1,2,3-Trichlorobenzene, T