

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062418\  
 Data File : VD058368.D  
 Acq On : 24 Jun 2018 13:32  
 Operator : VA/AP  
 Sample : J3671-10  
 Misc : 6.02g/5ml/MSVOA D/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 WP021SB478-27-29-180621

Integration Parameters: RTEINT.P

Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 3 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D061918S.M  
 Title : SW846 8260

Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 1.221       | 93            | 101         | 103          | rBV      | 1282108        | 2852060       | 1.31%           | 0.741%        |
| 2         | 1.280       | 103           | 107         | 132          | rVV      | 1948433        | 6344015       | 2.92%           | 1.649%        |
| 3         | 1.556       | 132           | 135         | 153          | rVV      | 1404160        | 3259713       | 1.50%           | 0.847%        |
| 4         | 2.560       | 232           | 237         | 262          | rBV      | 1179152        | 4313532       | 1.98%           | 1.121%        |
| 5         | 3.397       | 316           | 322         | 352          | rBV      | 1327962        | 4924034       | 2.26%           | 1.280%        |
| 6         | 4.873       | 459           | 472         | 504          | rBV3     | 21239388       | 217571774     | 100.00%         | 56.540%       |
| 7         | 6.035       | 584           | 590         | 599          | rVV      | 903141         | 2397798       | 1.10%           | 0.623%        |
| 8         | 6.704       | 652           | 658         | 670          | rBV      | 850624         | 2407255       | 1.11%           | 0.626%        |
| 9         | 7.059       | 681           | 694         | 712          | rBV2     | 19230309       | 110614078     | 50.84%          | 28.745%       |
| 10        | 7.305       | 714           | 719         | 727          | rVV      | 1007053        | 3102372       | 1.43%           | 0.806%        |
| 11        | 8.722       | 854           | 863         | 870          | rBV2     | 1415908        | 3892604       | 1.79%           | 1.012%        |
| 12        | 10.701      | 1060          | 1064        | 1065         | rVV      | 1414723        | 2501042       | 1.15%           | 0.650%        |
| 13        | 10.731      | 1065          | 1067        | 1072         | rVB      | 1686990        | 2720612       | 1.25%           | 0.707%        |
| 14        | 11.942      | 1185          | 1190        | 1192         | rBV      | 1468982        | 2219783       | 1.02%           | 0.577%        |
| 15        | 12.916      | 1284          | 1289        | 1295         | rVB3     | 1873783        | 4204608       | 1.93%           | 1.093%        |
| 16        | 13.192      | 1314          | 1317        | 1321         | rVV2     | 2772950        | 5661343       | 2.60%           | 1.471%        |
| 17        | 13.458      | 1341          | 1344        | 1346         | rVV      | 2342018        | 2921318       | 1.34%           | 0.759%        |
| 18        | 14.068      | 1404          | 1406        | 1412         | rVV2     | 2075839        | 2899187       | 1.33%           | 0.753%        |

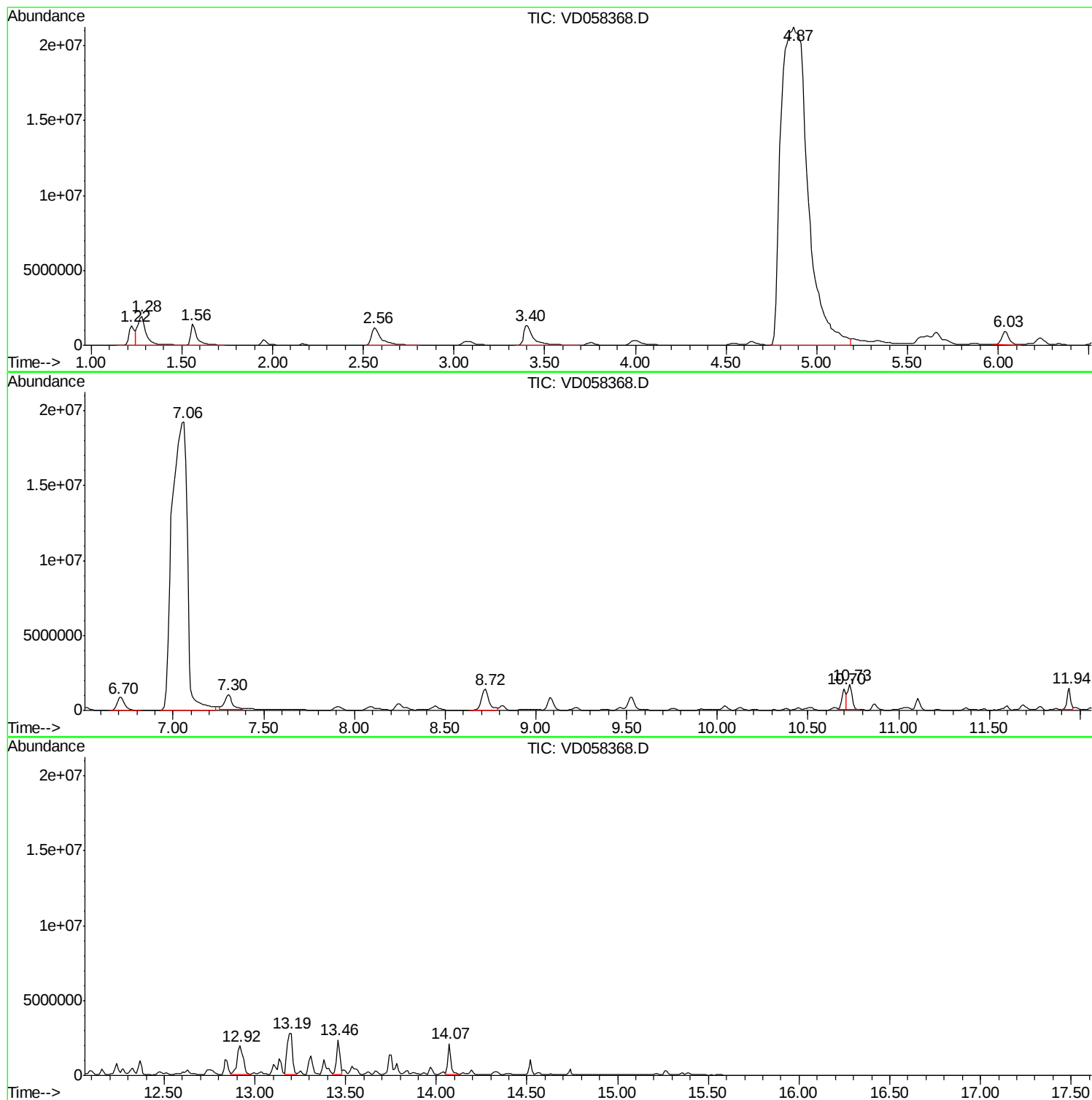
Sum of corrected areas: 384807128

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D061918S.M  
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P



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TIC Integration Parameters: LSCINT.P

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Peak Number 1 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 3

| R.T.      | EstConc                             | Area    | Relative to ISTD       | R.T.        |      |
|-----------|-------------------------------------|---------|------------------------|-------------|------|
| 13.46     | 34.74 ug/l                          | 2921320 | 1,4-Dichlorobenzene-d4 | 12.92       |      |
| Hit# of 5 | Tentative ID                        | MW      | MolForm                | CAS#        | Qual |
| 1         | Benzene, 4-ethyl-1,2-dimethyl-      | 134     | C10H14                 | 000934-80-5 | 96   |
| 2         | Benzene, 1-ethyl-2,3-dimethyl-      | 134     | C10H14                 | 000933-98-2 | 95   |
| 3         | o-Cymene                            | 134     | C10H14                 | 000527-84-4 | 94   |
| 4         | Benzene, 1-methyl-3-(1-methyleth... | 134     | C10H14                 | 000535-77-3 | 94   |
| 5         | p-Cymene                            | 134     | C10H14                 | 000099-87-6 | 94   |

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Peak Number 2 o-Cymene Concentration Rank 4

| R.T.      | EstConc                             | Area    | Relative to ISTD       | R.T.        |      |
|-----------|-------------------------------------|---------|------------------------|-------------|------|
| 14.07     | 34.48 ug/l                          | 2899190 | 1,4-Dichlorobenzene-d4 | 12.92       |      |
| Hit# of 5 | Tentative ID                        | MW      | MolForm                | CAS#        | Qual |
| 1         | o-Cymene                            | 134     | C10H14                 | 000527-84-4 | 81   |
| 2         | Benzene, 1,2,3,4-tetramethyl-       | 134     | C10H14                 | 000488-23-3 | 81   |
| 3         | p-Cymene                            | 134     | C10H14                 | 000099-87-6 | 81   |
| 4         | 1,3-Cyclopentadiene, 1,2,3,4-tet... | 134     | C10H14                 | 076089-59-3 | 81   |
| 5         | Benzene, 1-methyl-3-(1-methyleth... | 134     | C10H14                 | 000535-77-3 | 81   |

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Quant Title : SW846 8260

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TIC Integration Parameters: LSCINT.P

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| Benzene, 4-ethyl-... | 13.46 | 34.7    | ug/l  | 2921320  | 4                     | 12.92 | 4204610 | 50.0 |
| o-Cymene             | 14.07 | 34.5    | ug/l  | 2899190  | 4                     | 12.92 | 4204610 | 50.0 |