

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY093021\  
 Data File : VY006247.D  
 Acq On : 30 Sep 2021 18:01  
 Operator : SY/MD  
 Sample : M4007-01  
 Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TR-08-093021

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y092821S.M  
 Title : SW846 8260

Signal : TIC: VY006247.D\data.ms

| 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         | 4.722       | 464           | 476         | 490          | rBV2     | 8076           | 23718         | 3.69%           | 0.552%        |
| 2         | 7.722       | 957           | 968         | 974          | rBV      | 85509          | 203099        | 31.58%          | 4.724%        |
| 3         | 7.795       | 974           | 980         | 993          | rVB      | 152268         | 344411        | 53.55%          | 8.010%        |
| 4         | 8.149       | 1024          | 1038        | 1050         | rBV      | 96779          | 223410        | 34.74%          | 5.196%        |
| 5         | 8.691       | 1116          | 1127        | 1138         | rBV      | 229909         | 458724        | 71.33%          | 10.669%       |
| 6         | 10.185      | 1363          | 1372        | 1379         | rBV      | 381785         | 643103        | 100.00%         | 14.957%       |
| 7         | 10.246      | 1379          | 1382        | 1388         | rVB      | 7160           | 10852         | 1.69%           | 0.252%        |
| 8         | 10.581      | 1430          | 1437        | 1444         | rBV      | 4664           | 8941          | 1.39%           | 0.208%        |
| 9         | 10.941      | 1490          | 1496        | 1498         | rBV      | 4324           | 6825          | 1.06%           | 0.159%        |
| 10        | 11.319      | 1548          | 1558        | 1564         | rBV3     | 3666           | 6811          | 1.06%           | 0.158%        |
| 11        | 11.489      | 1578          | 1586        | 1596         | rBV      | 326253         | 538576        | 83.75%          | 12.526%       |
| 12        | 11.703      | 1616          | 1621        | 1631         | rVB4     | 5311           | 10477         | 1.63%           | 0.244%        |
| 13        | 12.483      | 1740          | 1749        | 1761         | rVB2     | 288990         | 468426        | 72.84%          | 10.895%       |
| 14        | 12.733      | 1785          | 1790        | 1794         | rBV2     | 5271           | 9278          | 1.44%           | 0.216%        |
| 15        | 12.806      | 1798          | 1802        | 1808         | rVB2     | 20166          | 29745         | 4.63%           | 0.692%        |
| 16        | 12.916      | 1815          | 1820        | 1825         | rBV      | 20173          | 30280         | 4.71%           | 0.704%        |
| 17        | 12.971      | 1825          | 1829        | 1834         | rVV2     | 4023           | 8051          | 1.25%           | 0.187%        |
| 18        | 13.038      | 1836          | 1840        | 1844         | rVV6     | 5172           | 8854          | 1.38%           | 0.206%        |
| 19        | 13.087      | 1844          | 1848        | 1850         | rVV2     | 7979           | 11554         | 1.80%           | 0.269%        |
| 20        | 13.117      | 1850          | 1853        | 1858         | rVV      | 10560          | 16632         | 2.59%           | 0.387%        |
| 21        | 13.172      | 1858          | 1862        | 1868         | rVB4     | 6041           | 12839         | 2.00%           | 0.299%        |
| 22        | 13.312      | 1881          | 1885        | 1890         | rVB5     | 5184           | 9152          | 1.42%           | 0.213%        |
| 23        | 13.428      | 1897          | 1904        | 1913         | rVV      | 314665         | 509493        | 79.22%          | 11.850%       |
| 24        | 13.623      | 1932          | 1936        | 1940         | rBV2     | 9187           | 11638         | 1.81%           | 0.271%        |
| 25        | 13.666      | 1940          | 1943        | 1947         | rBV2     | 7458           | 9549          | 1.48%           | 0.222%        |
| 26        | 13.751      | 1952          | 1957        | 1962         | rBV      | 30126          | 48359         | 7.52%           | 1.125%        |
| 27        | 13.916      | 1981          | 1984        | 1988         | rVB5     | 6324           | 8563          | 1.33%           | 0.199%        |
| 28        | 13.971      | 1988          | 1993        | 1998         | rVB3     | 25113          | 42609         | 6.63%           | 0.991%        |
| 29        | 14.080      | 2006          | 2011        | 2017         | rBV4     | 15169          | 29778         | 4.63%           | 0.693%        |
| 30        | 14.208      | 2027          | 2032        | 2035         | rBV5     | 5053           | 10728         | 1.67%           | 0.250%        |
| 31        | 14.257      | 2035          | 2040        | 2045         | rVV7     | 8264           | 18481         | 2.87%           | 0.430%        |
| 32        | 14.379      | 2056          | 2060        | 2063         | rBV4     | 9879           | 13098         | 2.04%           | 0.305%        |
| 33        | 14.422      | 2063          | 2067        | 2071         | rVB2     | 10063          | 13728         | 2.13%           | 0.319%        |
| 34        | 14.519      | 2078          | 2083        | 2087         | rVV4     | 9617           | 18112         | 2.82%           | 0.421%        |
| 35        | 14.562      | 2087          | 2090        | 2094         | rVV2     | 9459           | 17430         | 2.71%           | 0.405%        |
| 36        | 14.611      | 2094          | 2098        | 2103         | rVV4     | 25978          | 40832         | 6.35%           | 0.950%        |

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 ALS Vial : 19 Sample Multiplier: 1

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 MSVOA\_Y  
 ClientSampleId :  
 TR-08-093021

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y092821S.M  
 Title : SW846 8260

|    |        |      |      |      |      |       |       |       |        |
|----|--------|------|------|------|------|-------|-------|-------|--------|
| 37 | 14.678 | 2103 | 2109 | 2115 | rVV4 | 26085 | 60690 | 9.44% | 1.412% |
| 38 | 14.733 | 2115 | 2118 | 2125 | rVB4 | 13710 | 23500 | 3.65% | 0.547% |
| 39 | 14.830 | 2130 | 2134 | 2142 | rVB  | 15132 | 25868 | 4.02% | 0.602% |
| 40 | 14.946 | 2148 | 2153 | 2157 | rBV5 | 8988  | 15818 | 2.46% | 0.368% |
| 41 | 15.056 | 2165 | 2171 | 2177 | rVB5 | 10266 | 21849 | 3.40% | 0.508% |
| 42 | 15.135 | 2180 | 2184 | 2190 | rVB8 | 6236  | 12839 | 2.00% | 0.299% |
| 43 | 15.208 | 2192 | 2196 | 2199 | rBV4 | 8340  | 13833 | 2.15% | 0.322% |
| 44 | 15.294 | 2206 | 2210 | 2214 | rBV2 | 11521 | 17263 | 2.68% | 0.402% |
| 45 | 15.355 | 2215 | 2220 | 2222 | rBV5 | 6127  | 10483 | 1.63% | 0.244% |
| 46 | 15.434 | 2229 | 2233 | 2241 | rVB3 | 14044 | 25474 | 3.96% | 0.592% |
| 47 | 15.525 | 2241 | 2248 | 2256 | rBV6 | 8063  | 21234 | 3.30% | 0.494% |
| 48 | 15.605 | 2256 | 2261 | 2266 | rVV7 | 3619  | 6690  | 1.04% | 0.156% |
| 49 | 15.690 | 2266 | 2275 | 2277 | rVV8 | 5823  | 13695 | 2.13% | 0.319% |
| 50 | 15.726 | 2277 | 2281 | 2288 | rVB3 | 21688 | 37784 | 5.88% | 0.879% |
| 51 | 15.824 | 2291 | 2297 | 2303 | rBV9 | 2875  | 7296  | 1.13% | 0.170% |
| 52 | 15.891 | 2303 | 2308 | 2315 | rVB7 | 4842  | 11100 | 1.73% | 0.258% |
| 53 | 16.031 | 2325 | 2331 | 2336 | rBV4 | 12680 | 26643 | 4.14% | 0.620% |
| 54 | 16.232 | 2357 | 2364 | 2369 | rVV3 | 11338 | 23448 | 3.65% | 0.545% |
| 55 | 16.293 | 2369 | 2374 | 2380 | rVV6 | 6023  | 14245 | 2.22% | 0.331% |
| 56 | 16.354 | 2381 | 2384 | 2394 | rVB7 | 5105  | 12300 | 1.91% | 0.286% |
| 57 | 16.489 | 2399 | 2406 | 2413 | rBV7 | 4905  | 14316 | 2.23% | 0.333% |
| 58 | 16.641 | 2423 | 2431 | 2434 | rBB8 | 3231  | 7052  | 1.10% | 0.164% |

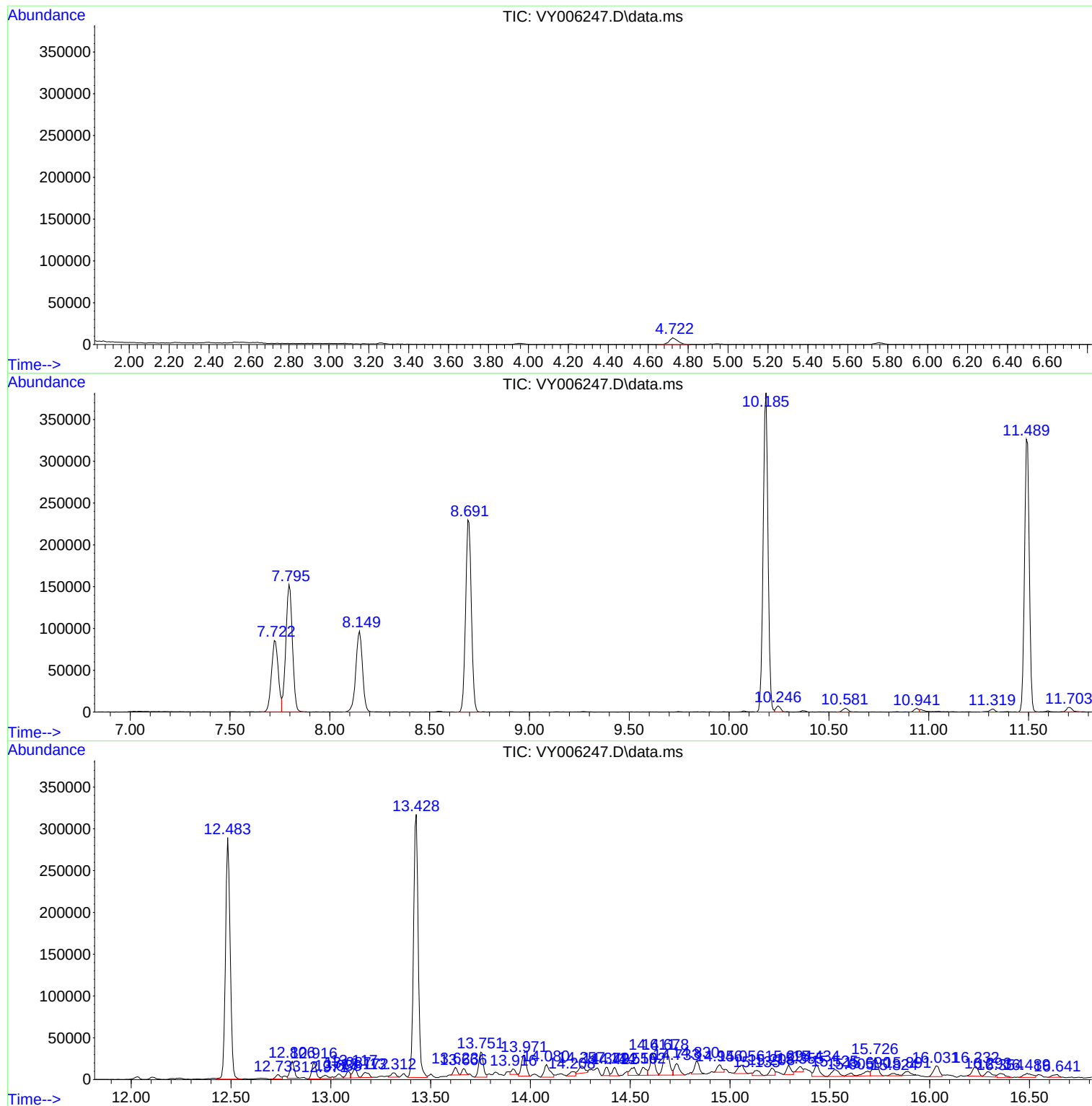
Sum of corrected areas: 4299576

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y092821S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P



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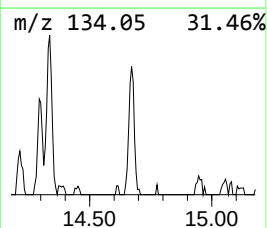
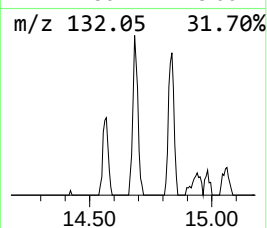
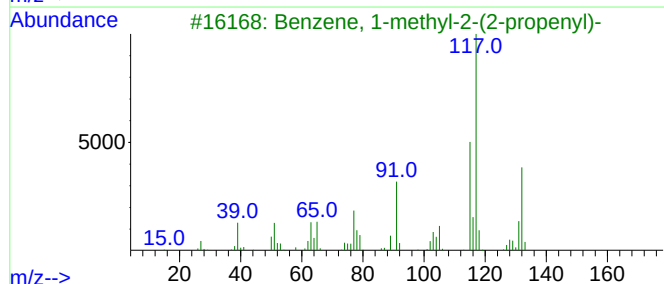
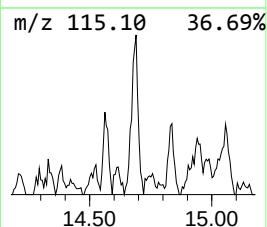
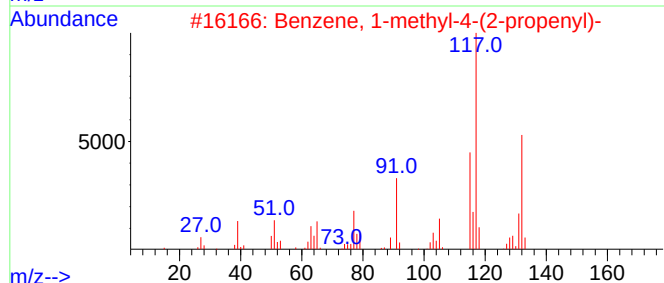
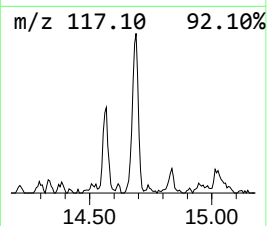
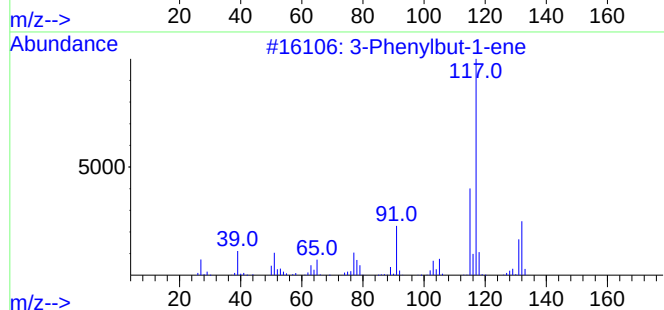
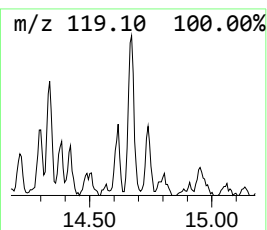
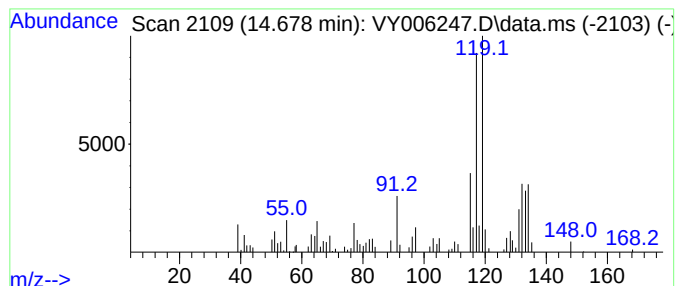
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y092821S.M  
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TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 3-Phenylbut-1-ene Concentration Rank 1

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 14.678 | 5.96 ug/l | 60690 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                      | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------------|-----|---------|-------------|------|
| 1    |    |   | 3-Phenylbut-1-ene                 | 132 | C10H12  | 000934-10-1 | 89   |
| 2    |    |   | Benzene, 1-methyl-4-(2-propenyl)- | 132 | C10H12  | 003333-13-9 | 60   |
| 3    |    |   | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12  | 001587-04-8 | 52   |
| 4    |    |   | 1H-Indene, 2,3-dihydro-5-methyl-  | 132 | C10H12  | 000874-35-1 | 50   |
| 5    |    |   | 1H-Indene, 2,3-dihydro-4-methyl-  | 132 | C10H12  | 000824-22-6 | 50   |



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| TIC Top Hit name  | RT     | EstConc | Units | Response | --Internal Standard-- |        |        |      |
|-------------------|--------|---------|-------|----------|-----------------------|--------|--------|------|
|                   |        |         |       |          | #                     | RT     | Resp   | Conc |
| 3-Phenylbut-1-ene | 14.678 | 6.0     | ug/l  | 60690    | 4                     | 13.428 | 509493 | 50.0 |