

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062519\  
 Data File : VX010445.D  
 Acq On : 25 Jun 2019 19:49  
 Operator : JC/SP  
 Sample : K3519-11  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SP-19-JMW0882

## 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\_X\METHOD\82X061919W.M  
 Title : SW846 8260

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|--------|----------|------------|----------|-----------|-------|-------------|------------|--------------|------------|
| 1      | 1.209    | 6          | 9        | 14        | rVB   | 87443       | 85434      | 6.38%        | 0.907%     |
| 2      | 1.282    | 18         | 21       | 27        | rVB2  | 12530       | 20886      | 1.56%        | 0.222%     |
| 3      | 1.392    | 34         | 39       | 46        | rBV   | 15836       | 19462      | 1.45%        | 0.207%     |
| 4      | 2.190    | 164        | 170      | 176       | rBV   | 58264       | 82501      | 6.16%        | 0.876%     |
| 5      | 3.019    | 298        | 306      | 314       | rVB   | 8455        | 20884      | 1.56%        | 0.222%     |
| 6      | 4.696    | 573        | 581      | 589       | rBV   | 6013        | 18764      | 1.40%        | 0.199%     |
| 7      | 5.501    | 701        | 713      | 723       | rBV   | 141583      | 410164     | 30.64%       | 4.356%     |
| 8      | 5.665    | 730        | 740      | 758       | rVB   | 240271      | 687736     | 51.37%       | 7.303%     |
| 9      | 6.061    | 796        | 805      | 814       | rBV   | 137645      | 360110     | 26.90%       | 3.824%     |
| 10     | 6.147    | 814        | 819      | 828       | rVB3  | 14826       | 39734      | 2.97%        | 0.422%     |
| 11     | 6.860    | 926        | 936      | 950       | rBV   | 360429      | 851727     | 63.62%       | 9.044%     |
| 12     | 7.464    | 1025       | 1035     | 1045      | rVB3  | 18558       | 45525      | 3.40%        | 0.483%     |
| 13     | 8.713    | 1234       | 1240     | 1249      | rVB   | 762220      | 1181030    | 88.22%       | 12.541%    |
| 14     | 9.043    | 1288       | 1294     | 1298      | rVB2  | 8424        | 14361      | 1.07%        | 0.152%     |
| 15     | 10.110   | 1464       | 1469     | 1479      | rBV2  | 738823      | 1338798    | 100.00%      | 14.217%    |
| 16     | 10.360   | 1501       | 1510     | 1516      | rBV   | 69669       | 112288     | 8.39%        | 1.192%     |
| 17     | 10.652   | 1550       | 1558     | 1563      | rBV9  | 5873        | 16505      | 1.23%        | 0.175%     |
| 18     | 10.835   | 1585       | 1588     | 1594      | rVB2  | 9543        | 13734      | 1.03%        | 0.146%     |
| 19     | 11.018   | 1613       | 1618     | 1622      | rBV   | 29606       | 38389      | 2.87%        | 0.408%     |
| 20     | 11.134   | 1632       | 1637     | 1643      | rBV   | 646810      | 809009     | 60.43%       | 8.591%     |
| 21     | 11.359   | 1670       | 1674     | 1679      | rBV2  | 12872       | 17094      | 1.28%        | 0.182%     |
| 22     | 11.451   | 1683       | 1689     | 1694      | rBV   | 14885       | 24658      | 1.84%        | 0.262%     |
| 23     | 11.506   | 1694       | 1698     | 1701      | rVV   | 15595       | 18134      | 1.35%        | 0.193%     |
| 24     | 11.664   | 1719       | 1724     | 1733      | rBV   | 49862       | 69368      | 5.18%        | 0.737%     |
| 25     | 11.804   | 1743       | 1747     | 1754      | rVB   | 167464      | 201133     | 15.02%       | 2.136%     |
| 26     | 11.920   | 1760       | 1766     | 1767      | rBV3  | 10960       | 16378      | 1.22%        | 0.174%     |
| 27     | 11.945   | 1767       | 1770     | 1775      | rVB   | 20765       | 26524      | 1.98%        | 0.282%     |
| 28     | 12.079   | 1786       | 1792     | 1798      | rBV   | 786260      | 1017952    | 76.03%       | 10.810%    |
| 29     | 12.140   | 1798       | 1802     | 1809      | rVV   | 79385       | 101797     | 7.60%        | 1.081%     |
| 30     | 12.231   | 1812       | 1817     | 1821      | rVB2  | 10264       | 14884      | 1.11%        | 0.158%     |
| 31     | 12.298   | 1821       | 1828     | 1835      | rBV2  | 45786       | 63312      | 4.73%        | 0.672%     |
| 32     | 12.390   | 1835       | 1843     | 1849      | rVB3  | 27026       | 61320      | 4.58%        | 0.651%     |
| 33     | 12.457   | 1849       | 1854     | 1859      | rBV3  | 14822       | 24145      | 1.80%        | 0.256%     |
| 34     | 12.518   | 1859       | 1864     | 1869      | rVB   | 25013       | 31997      | 2.39%        | 0.340%     |

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 Stop Thrs : 0

Filtering: 5  
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 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\_X\METHOD\82X061919W.M  
 Title : SW846 8260

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 35 | 12.585 | 1870 | 1875 | 1877 | rBV  | 32193  | 41883  | 3.13%  | 0.445% |
| 36 | 12.609 | 1877 | 1879 | 1882 | rVV  | 27563  | 28958  | 2.16%  | 0.308% |
| 37 | 12.664 | 1884 | 1888 | 1892 | rVV  | 37965  | 48886  | 3.65%  | 0.519% |
| 38 | 12.701 | 1892 | 1894 | 1899 | rVV3 | 12105  | 16919  | 1.26%  | 0.180% |
| 39 | 12.755 | 1899 | 1903 | 1910 | rVB3 | 41071  | 75574  | 5.64%  | 0.803% |
| 40 | 12.896 | 1920 | 1926 | 1931 | rVB2 | 26361  | 43643  | 3.26%  | 0.463% |
| 41 | 12.975 | 1931 | 1939 | 1942 | rBV  | 35942  | 53212  | 3.97%  | 0.565% |
| 42 | 13.018 | 1942 | 1946 | 1952 | rVV  | 57176  | 73277  | 5.47%  | 0.778% |
| 43 | 13.085 | 1952 | 1957 | 1962 | rVB3 | 12761  | 20959  | 1.57%  | 0.223% |
| 44 | 13.304 | 1990 | 1993 | 1996 | rBV3 | 13442  | 19558  | 1.46%  | 0.208% |
| 45 | 13.347 | 1996 | 2000 | 2005 | rVB2 | 73041  | 102752 | 7.67%  | 1.091% |
| 46 | 13.481 | 2015 | 2022 | 2028 | rVB4 | 19481  | 33538  | 2.51%  | 0.356% |
| 47 | 13.560 | 2028 | 2035 | 2037 | rBV4 | 9835   | 15197  | 1.14%  | 0.161% |
| 48 | 13.597 | 2037 | 2041 | 2044 | rBV  | 14959  | 18022  | 1.35%  | 0.191% |
| 49 | 13.633 | 2044 | 2047 | 2053 | rVV3 | 22140  | 39481  | 2.95%  | 0.419% |
| 50 | 13.719 | 2058 | 2061 | 2066 | rVB2 | 27926  | 44810  | 3.35%  | 0.476% |
| 51 | 13.834 | 2072 | 2080 | 2088 | rBV  | 232989 | 321081 | 23.98% | 3.410% |
| 52 | 13.908 | 2088 | 2092 | 2097 | rVB7 | 7285   | 13695  | 1.02%  | 0.145% |
| 53 | 13.981 | 2097 | 2104 | 2108 | rBV3 | 18036  | 29786  | 2.22%  | 0.316% |
| 54 | 14.133 | 2124 | 2129 | 2133 | rBV  | 21066  | 30432  | 2.27%  | 0.323% |
| 55 | 14.267 | 2146 | 2151 | 2161 | rBV4 | 25616  | 52229  | 3.90%  | 0.555% |
| 56 | 14.377 | 2165 | 2169 | 2173 | rVV2 | 14210  | 18272  | 1.36%  | 0.194% |
| 57 | 14.432 | 2173 | 2178 | 2182 | rVB  | 22418  | 30915  | 2.31%  | 0.328% |
| 58 | 14.536 | 2191 | 2195 | 2200 | rBV2 | 15963  | 25814  | 1.93%  | 0.274% |
| 59 | 14.694 | 2213 | 2221 | 2225 | rBV  | 39076  | 62453  | 4.66%  | 0.663% |
| 60 | 14.834 | 2239 | 2244 | 2249 | rBV  | 58801  | 84645  | 6.32%  | 0.899% |
| 61 | 15.249 | 2305 | 2312 | 2319 | rVB4 | 11181  | 19920  | 1.49%  | 0.212% |
| 62 | 15.444 | 2337 | 2344 | 2347 | rBV2 | 12867  | 23344  | 1.74%  | 0.248% |
| 63 | 15.548 | 2354 | 2361 | 2365 | rBV  | 23119  | 36812  | 2.75%  | 0.391% |
| 64 | 15.688 | 2377 | 2384 | 2387 | rBV  | 44317  | 72941  | 5.45%  | 0.775% |
| 65 | 15.724 | 2387 | 2390 | 2397 | rVB  | 22363  | 34848  | 2.60%  | 0.370% |
| 66 | 15.895 | 2409 | 2418 | 2419 | rBV6 | 7637   | 13994  | 1.05%  | 0.149% |
| 67 | 16.176 | 2457 | 2464 | 2469 | rBV6 | 7301   | 13531  | 1.01%  | 0.144% |

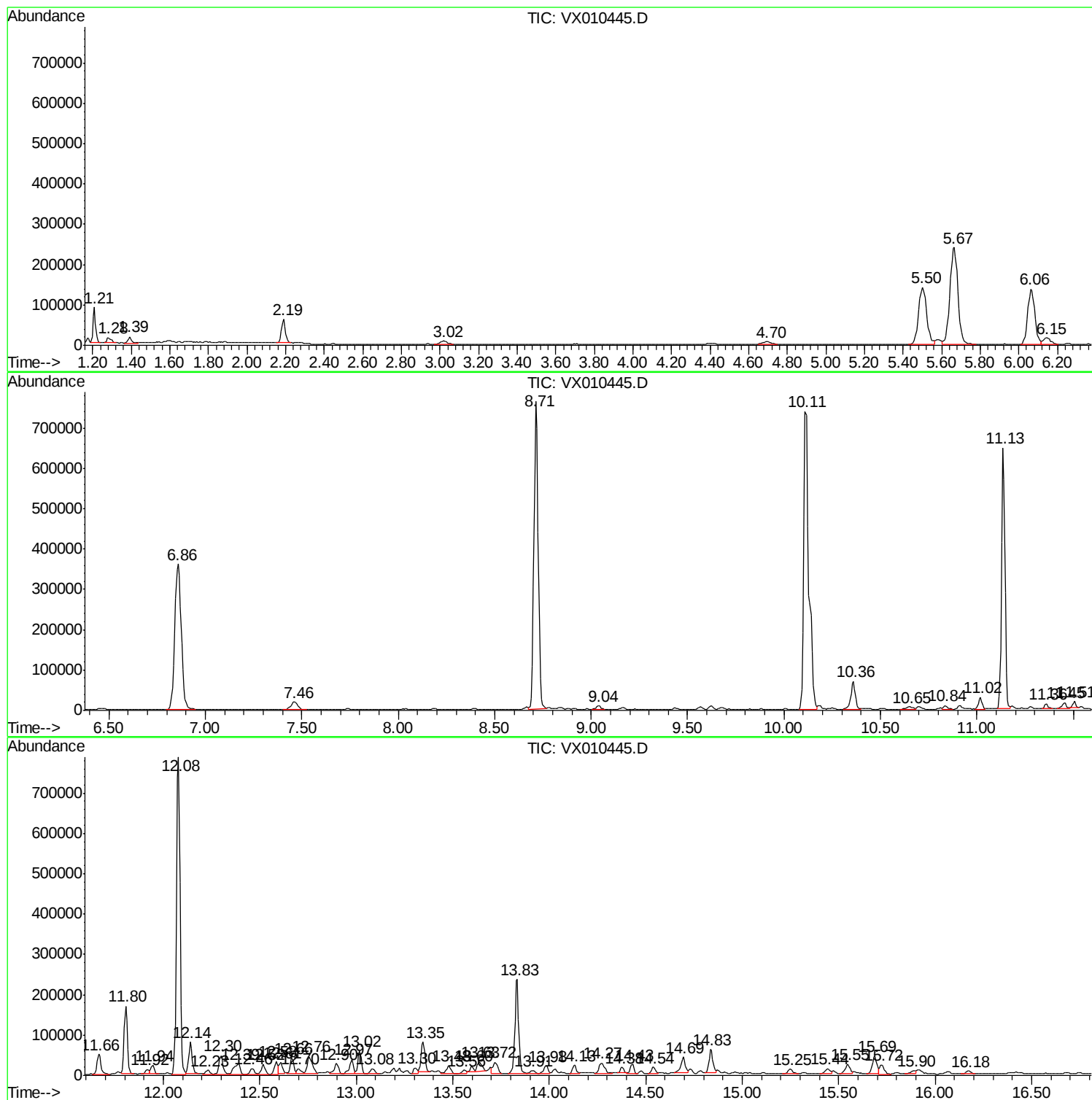
Sum of corrected areas: 9417118

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X061919W.M  
Quant Title : SW846 8260

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



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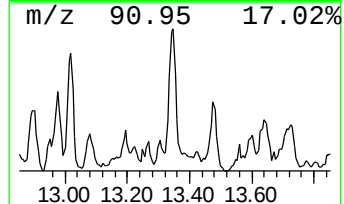
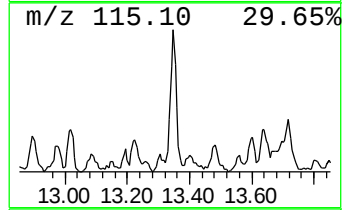
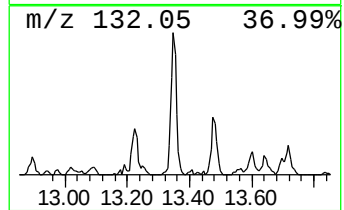
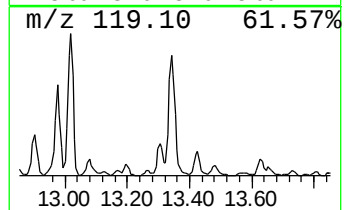
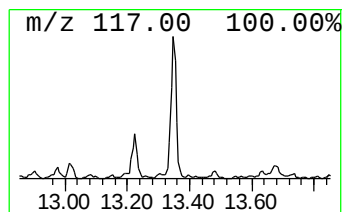
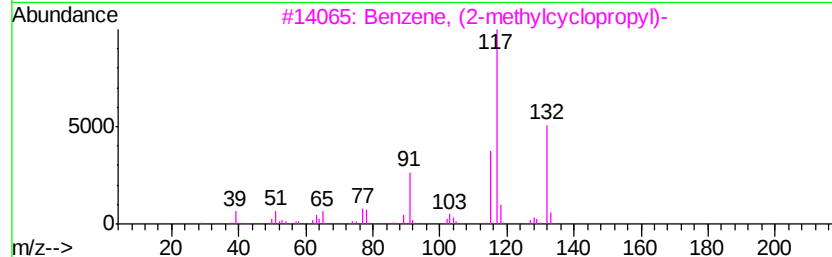
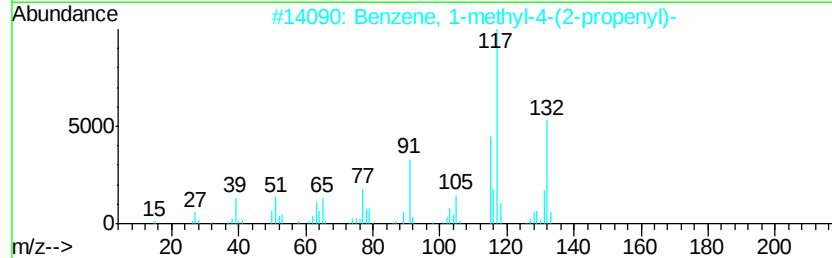
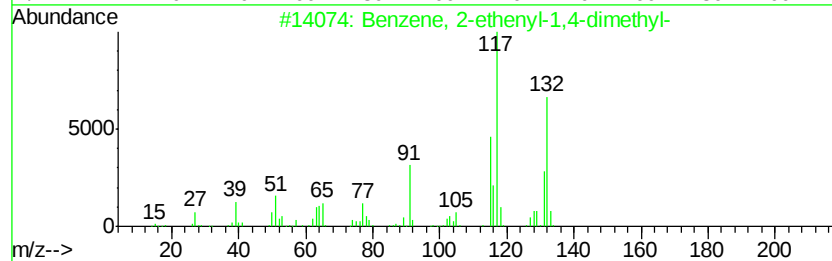
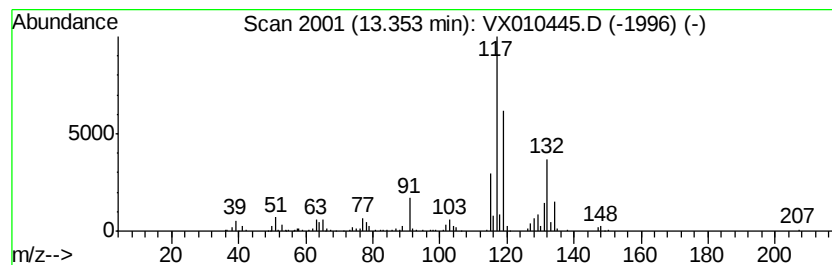
Instrument :  
MSVOA\_X  
ClientSampled :  
SP-19-JMW0882

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X061919W.M  
Quant Title : SW846 8260

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

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Peak Number 2 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 2

| R.T.      | EstConc                           | Area   | Relative to ISTD       | R.T.         |      |
|-----------|-----------------------------------|--------|------------------------|--------------|------|
| 13.35     | 5.05 ug/l                         | 102752 | 1,4-Dichlorobenzene-d4 | 12.08        |      |
| Hit# of 5 | Tentative ID                      | MW     | MolForm                | CAS#         | Qual |
| 1         | Benzene, 2-ethenyl-1,4-dimethyl-  | 132    | C10H12                 | 002039-89-6  | 93   |
| 2         | Benzene, 1-methyl-4-(2-propenyl)- | 132    | C10H12                 | 003333-13-9  | 89   |
| 3         | Benzene, (2-methylcyclopropyl)-   | 132    | C10H12                 | 1000327-39-0 | 86   |
| 4         | 2,4-Dimethylstyrene               | 132    | C10H12                 | 002234-20-0  | 81   |
| 5         | Benzene, 2-butenyl-               | 132    | C10H12                 | 001560-06-1  | 80   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| Benzene, 2-etheny... | 13.35 | 5.0     | ug/l  | 102752   | 4                     | 12.08 | 1017950 | 50.0 |