

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111318\  
 Data File : VW006866.D  
 Acq On : 13 Nov 2018 20:17  
 Operator : SY/AP  
 Sample : J5895-03  
 Misc : 7.72G/5ML/MSVOA W/SOIL  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SB-2

## 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\_W\METHOD\82W111218S.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         | 2.355       | 64            | 74          | 79           | rBV2     | 6898           | 15149         | 1.03%           | 0.147%        |
| 2         | 4.922       | 482           | 495         | 510          | rBV2     | 31930          | 103647        | 7.03%           | 1.006%        |
| 3         | 7.891       | 969           | 982         | 987          | rBV      | 171797         | 414573        | 28.10%          | 4.025%        |
| 4         | 7.952       | 987           | 992         | 1003         | rVB      | 397538         | 867895        | 58.83%          | 8.426%        |
| 5         | 8.311       | 1041          | 1051        | 1061         | rBV      | 147649         | 327470        | 22.20%          | 3.179%        |
| 6         | 8.848       | 1130          | 1139        | 1150         | rBV      | 501556         | 1003741       | 68.04%          | 9.745%        |
| 7         | 9.342       | 1206          | 1220        | 1225         | rBV3     | 12817          | 32048         | 2.17%           | 0.311%        |
| 8         | 10.097      | 1336          | 1344        | 1356         | rBV4     | 7629           | 19057         | 1.29%           | 0.185%        |
| 9         | 10.329      | 1374          | 1382        | 1389         | rBV      | 733226         | 1315928       | 89.20%          | 12.776%       |
| 10        | 10.390      | 1389          | 1392        | 1398         | rVB      | 16545          | 28595         | 1.94%           | 0.278%        |
| 11        | 10.512      | 1404          | 1412        | 1418         | rVB4     | 10127          | 24495         | 1.66%           | 0.238%        |
| 12        | 10.756      | 1440          | 1452        | 1463         | rVV2     | 65032          | 259104        | 17.56%          | 2.516%        |
| 13        | 10.866      | 1463          | 1470        | 1475         | rVV4     | 13807          | 26831         | 1.82%           | 0.261%        |
| 14        | 11.042      | 1494          | 1499        | 1507         | rVB2     | 6763           | 15139         | 1.03%           | 0.147%        |
| 15        | 11.183      | 1518          | 1522        | 1526         | rVB2     | 11807          | 17389         | 1.18%           | 0.169%        |
| 16        | 11.231      | 1526          | 1530        | 1536         | rVB      | 13608          | 23019         | 1.56%           | 0.223%        |
| 17        | 11.414      | 1552          | 1560        | 1571         | rVB4     | 21405          | 61393         | 4.16%           | 0.596%        |
| 18        | 11.518      | 1571          | 1577        | 1584         | rBV      | 18727          | 32350         | 2.19%           | 0.314%        |
| 19        | 11.634      | 1588          | 1596        | 1605         | rBV      | 734387         | 1248697       | 84.64%          | 12.124%       |
| 20        | 11.731      | 1607          | 1612        | 1617         | rVV2     | 17913          | 36451         | 2.47%           | 0.354%        |
| 21        | 11.817      | 1621          | 1626        | 1627         | rVV4     | 9043           | 15634         | 1.06%           | 0.152%        |
| 22        | 11.853      | 1628          | 1632        | 1634         | rVV      | 17670          | 33724         | 2.29%           | 0.327%        |
| 23        | 11.878      | 1634          | 1636        | 1640         | rVV2     | 21239          | 31005         | 2.10%           | 0.301%        |
| 24        | 11.920      | 1640          | 1643        | 1648         | rVB3     | 10006          | 16193         | 1.10%           | 0.157%        |
| 25        | 12.140      | 1673          | 1679        | 1686         | rBV4     | 20566          | 47016         | 3.19%           | 0.456%        |
| 26        | 12.256      | 1694          | 1698        | 1702         | rVB2     | 15610          | 24822         | 1.68%           | 0.241%        |
| 27        | 12.341      | 1702          | 1712        | 1715         | rBV6     | 19311          | 50489         | 3.42%           | 0.490%        |
| 28        | 12.475      | 1729          | 1734        | 1737         | rBV3     | 7735           | 16722         | 1.13%           | 0.162%        |
| 29        | 12.621      | 1752          | 1758        | 1767         | rVB      | 633134         | 1042890       | 70.69%          | 10.125%       |
| 30        | 12.810      | 1782          | 1789        | 1794         | rVB      | 24854          | 48204         | 3.27%           | 0.468%        |
| 31        | 12.908      | 1800          | 1805        | 1807         | rBV      | 22842          | 36899         | 2.50%           | 0.358%        |
| 32        | 12.945      | 1807          | 1811        | 1817         | rVB2     | 35000          | 65266         | 4.42%           | 0.634%        |
| 33        | 13.109      | 1828          | 1838        | 1845         | rBV4     | 12830          | 43279         | 2.93%           | 0.420%        |
| 34        | 13.170      | 1845          | 1848        | 1856         | rVB6     | 10400          | 22028         | 1.49%           | 0.214%        |

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Integrator: RTE  
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 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\_W\METHOD\82W111218S.M  
 Title : SW846 8260

|    |        |      |      |      |      |        |         |         |         |
|----|--------|------|------|------|------|--------|---------|---------|---------|
| 35 | 13.255 | 1856 | 1862 | 1867 | rBV  | 84226  | 129221  | 8.76%   | 1.255%  |
| 36 | 13.560 | 1906 | 1912 | 1930 | rVB  | 819050 | 1475230 | 100.00% | 14.323% |
| 37 | 13.725 | 1934 | 1939 | 1942 | rBV  | 18475  | 31294   | 2.12%   | 0.304%  |
| 38 | 13.761 | 1942 | 1945 | 1949 | rVV  | 47176  | 78561   | 5.33%   | 0.763%  |
| 39 | 13.804 | 1949 | 1952 | 1960 | rVB4 | 34157  | 70709   | 4.79%   | 0.687%  |
| 40 | 13.883 | 1961 | 1965 | 1970 | rBV5 | 15158  | 26915   | 1.82%   | 0.261%  |
| 41 | 14.018 | 1983 | 1987 | 1990 | rBV  | 21108  | 33132   | 2.25%   | 0.322%  |
| 42 | 14.103 | 1994 | 2001 | 2007 | rVB3 | 70188  | 147368  | 9.99%   | 1.431%  |
| 43 | 14.164 | 2007 | 2011 | 2014 | rVB2 | 12376  | 15954   | 1.08%   | 0.155%  |
| 44 | 14.213 | 2014 | 2019 | 2024 | rVB2 | 58065  | 95533   | 6.48%   | 0.928%  |
| 45 | 14.267 | 2024 | 2028 | 2035 | rVB8 | 7243   | 16842   | 1.14%   | 0.164%  |
| 46 | 14.347 | 2035 | 2041 | 2045 | rBV2 | 20071  | 37644   | 2.55%   | 0.365%  |
| 47 | 14.426 | 2045 | 2054 | 2057 | rBV  | 41018  | 74560   | 5.05%   | 0.724%  |
| 48 | 14.463 | 2057 | 2060 | 2064 | rVB  | 24042  | 33543   | 2.27%   | 0.326%  |
| 49 | 14.505 | 2064 | 2067 | 2070 | rBV  | 19509  | 27337   | 1.85%   | 0.265%  |
| 50 | 14.694 | 2094 | 2098 | 2103 | rBV3 | 44558  | 77898   | 5.28%   | 0.756%  |
| 51 | 14.816 | 2110 | 2118 | 2123 | rBV2 | 72104  | 154444  | 10.47%  | 1.499%  |
| 52 | 14.865 | 2123 | 2126 | 2132 | rVB2 | 16507  | 27991   | 1.90%   | 0.272%  |
| 53 | 14.969 | 2138 | 2143 | 2148 | rBV6 | 9326   | 19093   | 1.29%   | 0.185%  |
| 54 | 15.072 | 2150 | 2160 | 2164 | rVV2 | 35529  | 93509   | 6.34%   | 0.908%  |
| 55 | 15.115 | 2164 | 2167 | 2172 | rVV  | 19038  | 34193   | 2.32%   | 0.332%  |
| 56 | 15.188 | 2173 | 2179 | 2187 | rVB3 | 30088  | 69450   | 4.71%   | 0.674%  |
| 57 | 15.371 | 2205 | 2209 | 2214 | rVB  | 16549  | 29162   | 1.98%   | 0.283%  |
| 58 | 15.511 | 2222 | 2232 | 2239 | rBV2 | 16693  | 45291   | 3.07%   | 0.440%  |
| 59 | 15.670 | 2252 | 2258 | 2264 | rVB2 | 11236  | 20845   | 1.41%   | 0.202%  |
| 60 | 15.822 | 2277 | 2283 | 2288 | rBV8 | 6161   | 15900   | 1.08%   | 0.154%  |
| 61 | 16.456 | 2381 | 2387 | 2393 | rVB  | 15856  | 31106   | 2.11%   | 0.302%  |
| 62 | 16.651 | 2414 | 2419 | 2429 | rVB4 | 7804   | 19851   | 1.35%   | 0.193%  |

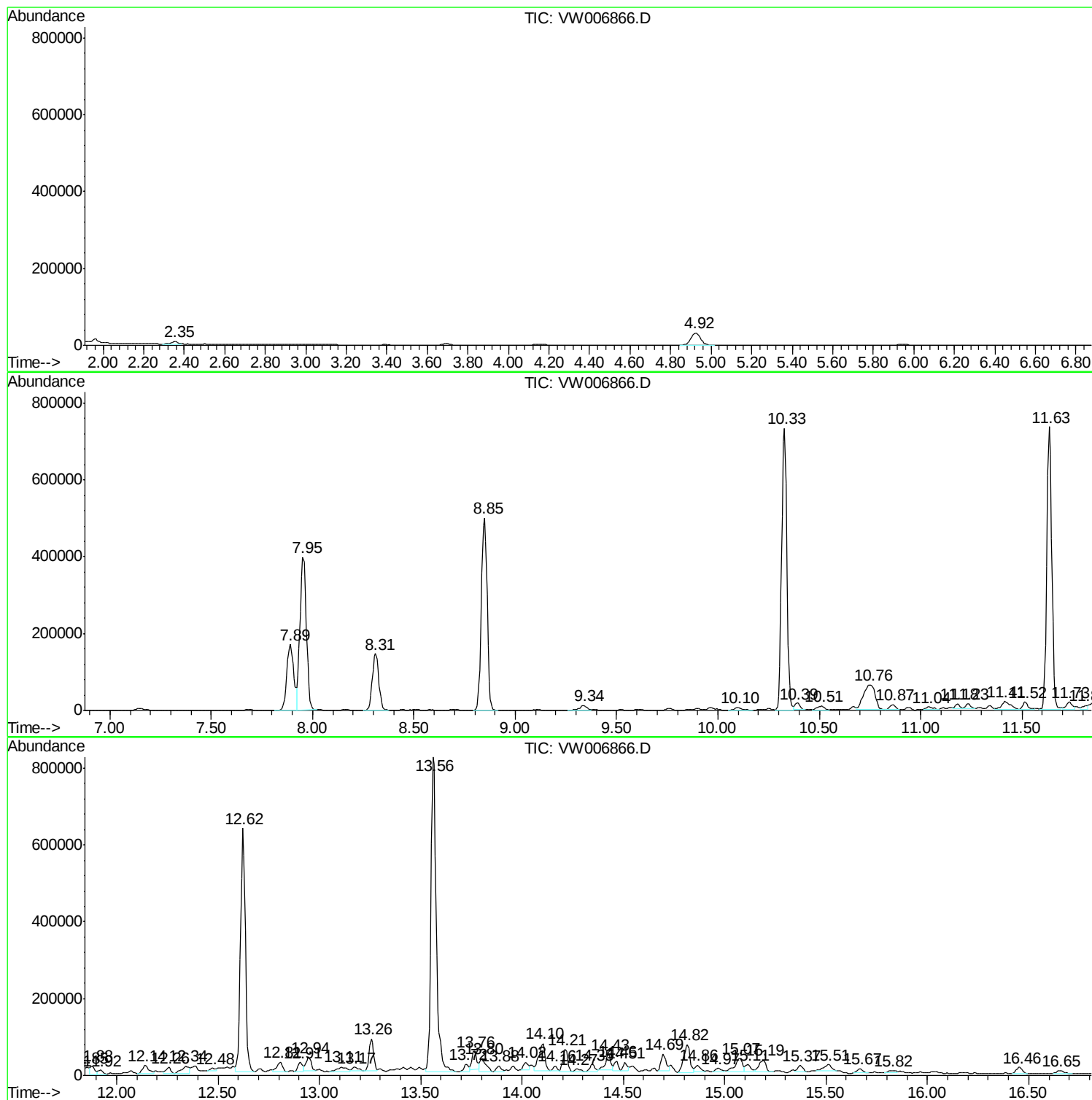
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W111218S.M  
Quant Title : SW846 8260

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



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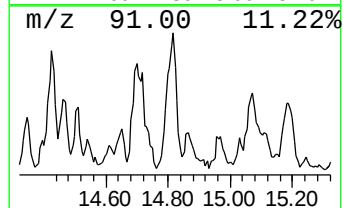
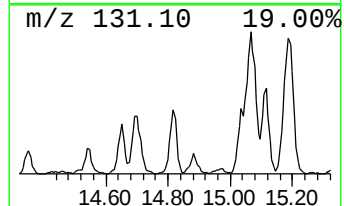
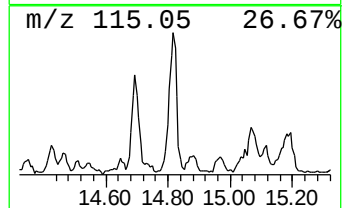
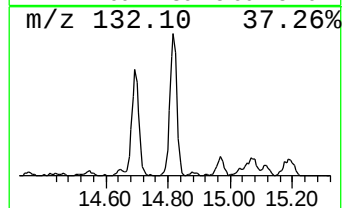
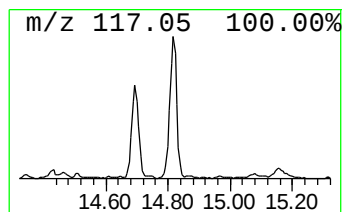
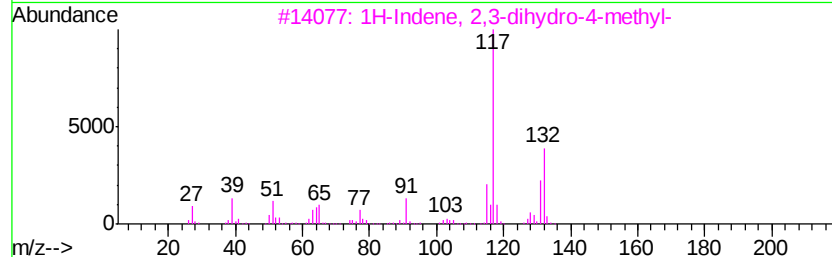
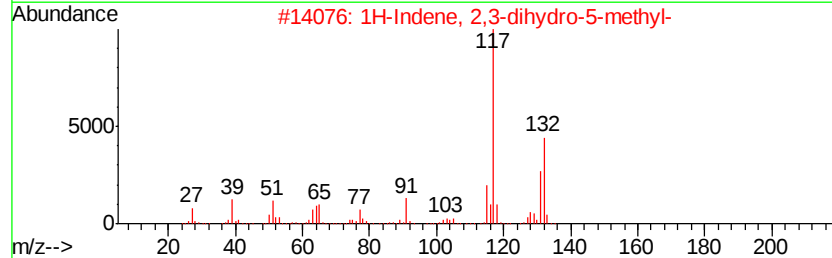
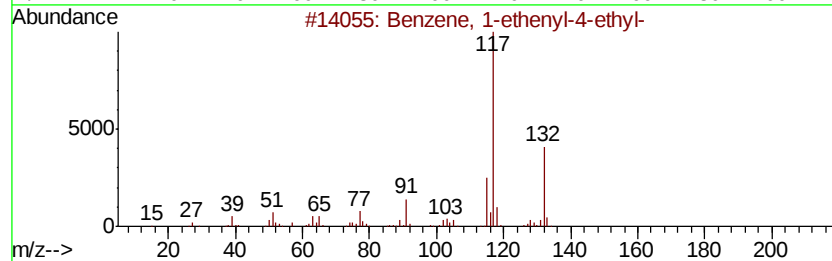
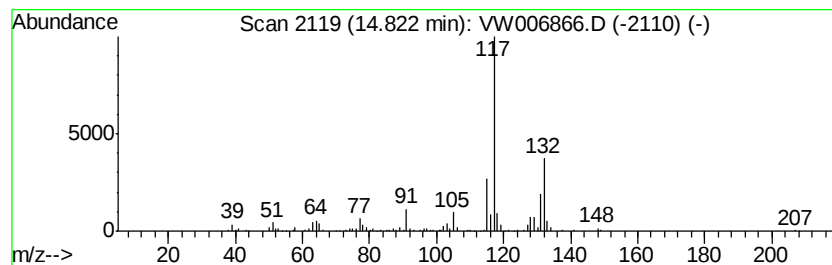
Instrument :  
MSVOA\_W  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W111218S.M  
Quant Title : SW846 8260

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

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Peak Number 2 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 2

| R.T.    | EstConc   | Area                             | Relative to ISTD       | R.T.           |
|---------|-----------|----------------------------------|------------------------|----------------|
| 14.82   | 5.23 ug/l | 154444                           | 1,4-Dichlorobenzene-d4 | 13.56          |
| Hit# of | 5         | Tentative ID                     | MW MolForm             | CAS# Qual      |
| 1       |           | Benzene, 1-ethenyl-4-ethyl-      | 132 C10H12             | 003454-07-7 94 |
| 2       |           | 1H-Indene, 2,3-dihydro-5-methyl- | 132 C10H12             | 000874-35-1 90 |
| 3       |           | 1H-Indene, 2,3-dihydro-4-methyl- | 132 C10H12             | 000824-22-6 90 |
| 4       |           | 3-Phenylbut-1-ene                | 132 C10H12             | 000934-10-1 90 |
| 5       |           | Indan, 1-methyl-                 | 132 C10H12             | 000767-58-8 87 |



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TIC Integration Parameters: LSCINT.P

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| Benzene, 1-etheny... | 14.82 | 5.2     | ug/l  | 154444   | 4                     | 13.56 | 1475230 | 50.0 |