

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052019\  
 Data File : VW010472.D  
 Acq On : 21 May 2019 02:48  
 Operator : SY/VA  
 Sample : K2951-09  
 Misc : 6.63G/5ML/MSVOA W/SOIL  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 TP-14-S

## 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\82W052019S.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         | 1.953       | 4             | 8           | 13           | rBV2     | 5321           | 8410          | 1.28%           | 0.224%        |
| 2         | 2.349       | 64            | 73          | 77           | rBV5     | 3377           | 8562          | 1.30%           | 0.228%        |
| 3         | 2.666       | 118           | 125         | 136          | rVB3     | 9148           | 25408         | 3.87%           | 0.676%        |
| 4         | 4.129       | 358           | 365         | 375          | rBV      | 7279           | 19222         | 2.93%           | 0.511%        |
| 5         | 4.379       | 394           | 406         | 419          | rVB2     | 9549           | 27098         | 4.13%           | 0.721%        |
| 6         | 4.915       | 484           | 494         | 502          | rBV3     | 6389           | 20769         | 3.17%           | 0.553%        |
| 7         | 5.007       | 502           | 509         | 519          | rVB3     | 5750           | 19155         | 2.92%           | 0.510%        |
| 8         | 7.141       | 848           | 859         | 876          | rBV      | 35504          | 102447        | 15.61%          | 2.725%        |
| 9         | 7.884       | 971           | 981         | 986          | rBV      | 92994          | 221539        | 33.77%          | 5.893%        |
| 10        | 7.945       | 986           | 991         | 1000         | rVB      | 156074         | 344819        | 52.56%          | 9.173%        |
| 11        | 8.305       | 1035          | 1050        | 1062         | rBV      | 83955          | 189095        | 28.82%          | 5.030%        |
| 12        | 8.842       | 1129          | 1138        | 1152         | rBV      | 234455         | 466699        | 71.13%          | 12.415%       |
| 13        | 9.335       | 1208          | 1219        | 1223         | rBV3     | 4046           | 8499          | 1.30%           | 0.226%        |
| 14        | 10.323      | 1373          | 1381        | 1389         | rBV      | 371828         | 656096        | 100.00%         | 17.454%       |
| 15        | 11.634      | 1588          | 1596        | 1604         | rBV      | 257934         | 447570        | 68.22%          | 11.906%       |
| 16        | 11.731      | 1607          | 1612        | 1618         | rBV      | 5050           | 8213          | 1.25%           | 0.218%        |
| 17        | 12.182      | 1679          | 1686        | 1692         | rVB3     | 12714          | 21711         | 3.31%           | 0.578%        |
| 18        | 12.469      | 1723          | 1733        | 1739         | rBV      | 15335          | 28310         | 4.31%           | 0.753%        |
| 19        | 12.621      | 1747          | 1758        | 1766         | rBV      | 182707         | 304510        | 46.41%          | 8.101%        |
| 20        | 12.865      | 1794          | 1798        | 1801         | rBV2     | 4490           | 7165          | 1.09%           | 0.191%        |
| 21        | 12.902      | 1801          | 1804        | 1807         | rVV      | 7215           | 10424         | 1.59%           | 0.277%        |
| 22        | 13.121      | 1830          | 1840        | 1846         | rVB2     | 12261          | 25514         | 3.89%           | 0.679%        |
| 23        | 13.249      | 1856          | 1861        | 1865         | rBV2     | 4957           | 8030          | 1.22%           | 0.214%        |
| 24        | 13.304      | 1865          | 1870        | 1875         | rVV3     | 17173          | 26583         | 4.05%           | 0.707%        |
| 25        | 13.359      | 1875          | 1879        | 1887         | rVB6     | 6162           | 11791         | 1.80%           | 0.314%        |
| 26        | 13.444      | 1887          | 1893        | 1897         | rBV2     | 4714           | 8358          | 1.27%           | 0.222%        |
| 27        | 13.499      | 1899          | 1902        | 1906         | rVV4     | 4082           | 7196          | 1.10%           | 0.191%        |
| 28        | 13.560      | 1906          | 1912        | 1920         | rVB      | 167474         | 274435        | 41.83%          | 7.301%        |
| 29        | 13.761      | 1941          | 1945        | 1948         | rVV2     | 10974          | 18389         | 2.80%           | 0.489%        |
| 30        | 13.798      | 1949          | 1951        | 1959         | rVB4     | 4730           | 7855          | 1.20%           | 0.209%        |
| 31        | 13.944      | 1969          | 1975        | 1979         | rVV2     | 12529          | 22561         | 3.44%           | 0.600%        |
| 32        | 14.011      | 1982          | 1986        | 1990         | rVV4     | 3251           | 7095          | 1.08%           | 0.189%        |
| 33        | 14.072      | 1991          | 1996        | 2004         | rVB4     | 15119          | 36314         | 5.53%           | 0.966%        |
| 34        | 14.213      | 2013          | 2019        | 2021         | rBV2     | 10508          | 18335         | 2.79%           | 0.488%        |

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 ClientSampleId :  
 TP-14-S

## Integration Parameters: RTEINT.P

Integrator: RTE  
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 Sampling : 1  
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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\_W\METHOD\82W052019S.M  
 Title : SW846 8260

|    |        |      |      |      |      |       |       |       |        |
|----|--------|------|------|------|------|-------|-------|-------|--------|
| 35 | 14.426 | 2050 | 2054 | 2058 | rVV  | 10080 | 16850 | 2.57% | 0.448% |
| 36 | 14.505 | 2063 | 2067 | 2070 | rBV4 | 8104  | 12192 | 1.86% | 0.324% |
| 37 | 14.572 | 2075 | 2078 | 2082 | rVB2 | 8315  | 13128 | 2.00% | 0.349% |
| 38 | 14.694 | 2094 | 2098 | 2101 | rBV4 | 7427  | 12578 | 1.92% | 0.335% |
| 39 | 14.731 | 2101 | 2104 | 2109 | rVV5 | 7159  | 11692 | 1.78% | 0.311% |
| 40 | 14.816 | 2110 | 2118 | 2123 | rVV4 | 14353 | 31402 | 4.79% | 0.835% |
| 41 | 14.877 | 2123 | 2128 | 2135 | rVV  | 19392 | 36251 | 5.53% | 0.964% |
| 42 | 14.956 | 2136 | 2141 | 2146 | rVV2 | 27481 | 48170 | 7.34% | 1.281% |
| 43 | 15.011 | 2146 | 2150 | 2154 | rVB5 | 4212  | 8014  | 1.22% | 0.213% |
| 44 | 15.066 | 2154 | 2159 | 2163 | rBV6 | 9308  | 17768 | 2.71% | 0.473% |
| 45 | 15.133 | 2163 | 2170 | 2174 | rVV8 | 7107  | 20565 | 3.13% | 0.547% |
| 46 | 15.188 | 2174 | 2179 | 2187 | rVB6 | 7353  | 16715 | 2.55% | 0.445% |
| 47 | 15.371 | 2205 | 2209 | 2214 | rBV  | 9907  | 14528 | 2.21% | 0.386% |
| 48 | 15.474 | 2224 | 2226 | 2237 | rVB8 | 5179  | 16397 | 2.50% | 0.436% |
| 49 | 15.657 | 2248 | 2256 | 2264 | rBV7 | 7398  | 19425 | 2.96% | 0.517% |
| 50 | 15.962 | 2301 | 2306 | 2314 | rBV8 | 4126  | 9946  | 1.52% | 0.265% |
| 51 | 16.102 | 2323 | 2329 | 2336 | rVB3 | 8631  | 17489 | 2.67% | 0.465% |
| 52 | 16.383 | 2367 | 2375 | 2380 | rBV7 | 2573  | 6713  | 1.02% | 0.179% |
| 53 | 16.645 | 2411 | 2418 | 2427 | rVB9 | 4134  | 11095 | 1.69% | 0.295% |

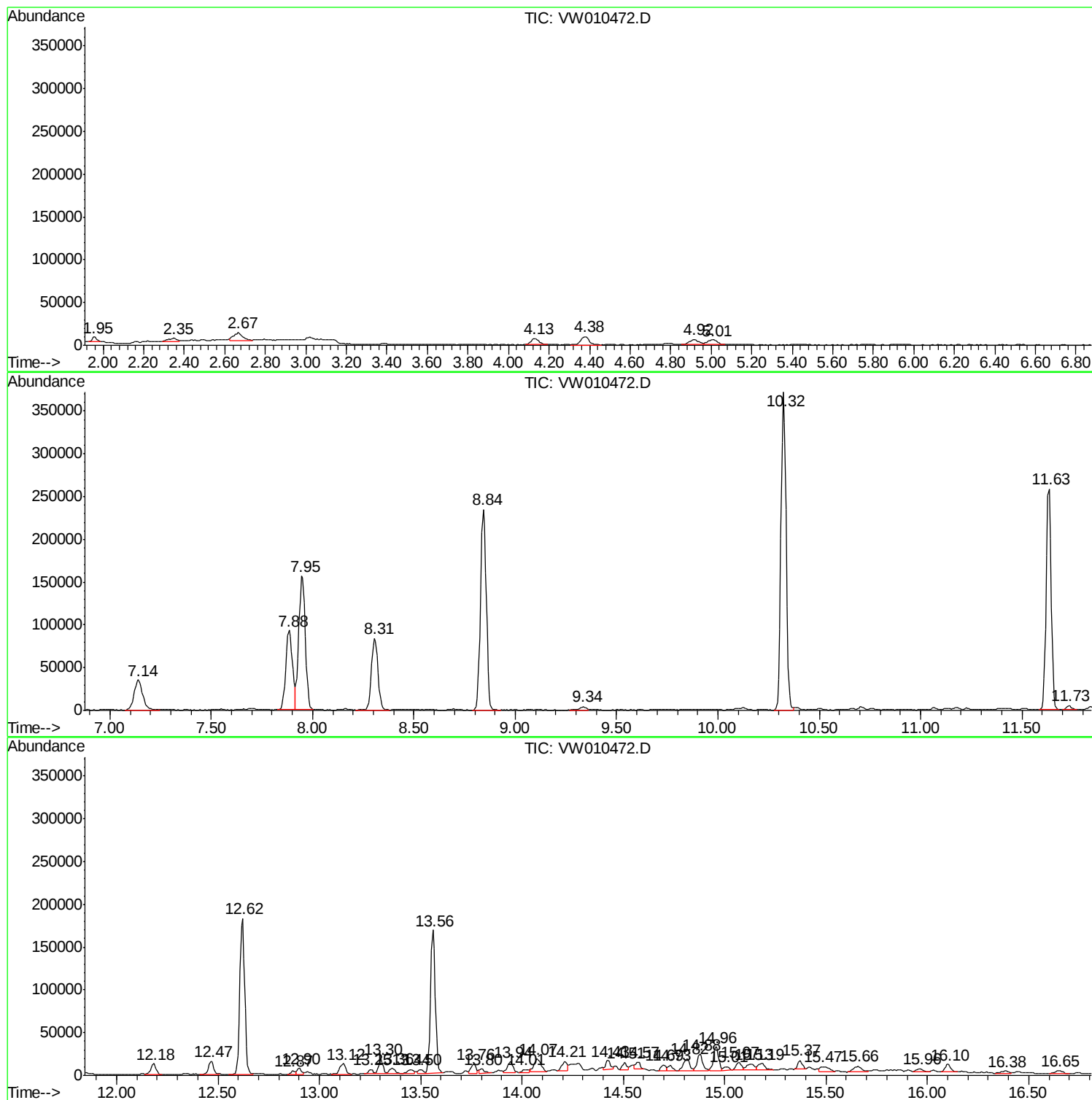
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Misc : 6.63G/5ML/MSVOA W/SOIL  
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Instrument :  
MSVOA\_W  
ClientSampleId :  
TP-14-S

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W052019S.M  
Quant Title : SW846 8260

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW052019\  
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ALS Vial : 30 Sample Multiplier: 1

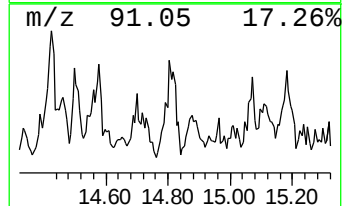
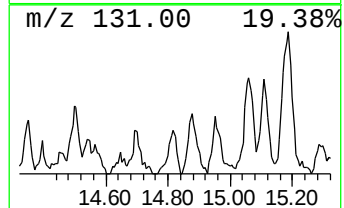
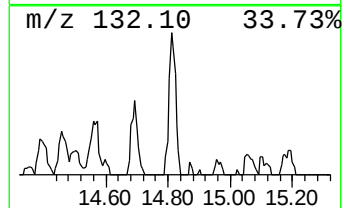
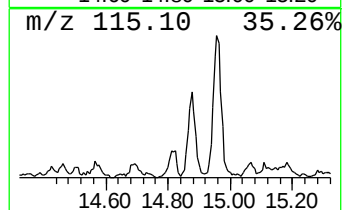
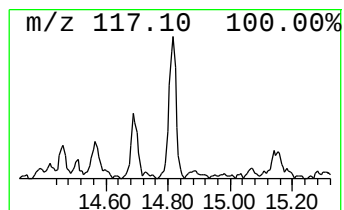
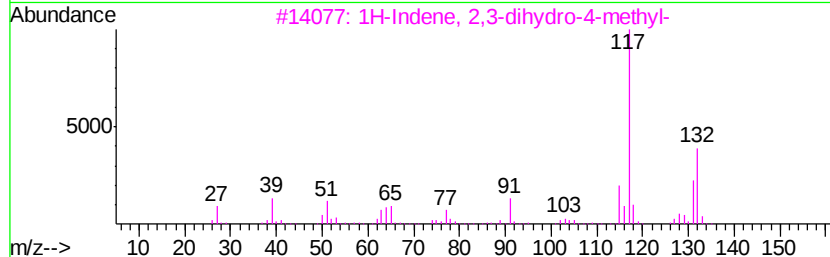
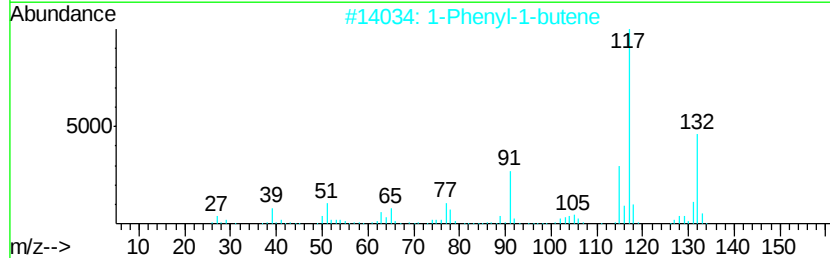
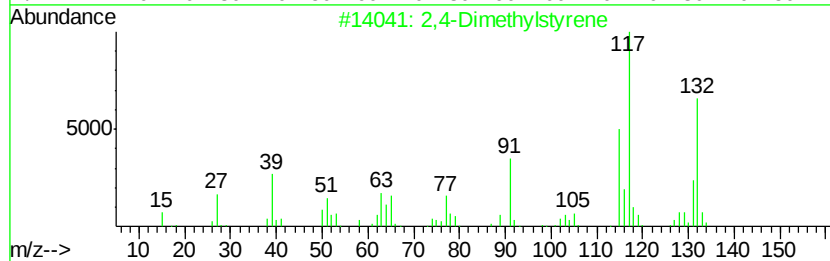
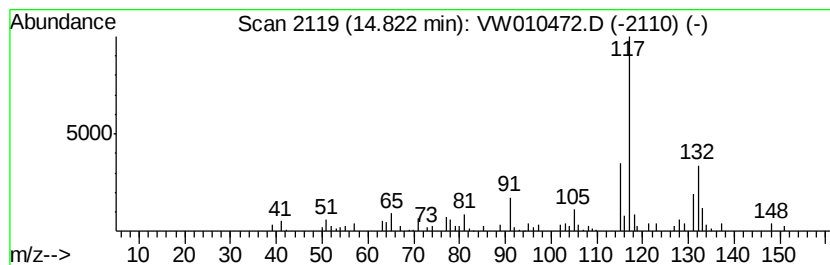
Instrument :  
MSVOA\_W  
ClientSampleId :  
TP-14-S

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W052019S.M  
Quant Title : SW846 8260

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

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Peak Number 3 2,4-Dimethylstyrene Concentration Rank 5

| R.T.    | EstConc                          | Area         | Relative to ISTD       | R.T.      |
|---------|----------------------------------|--------------|------------------------|-----------|
| 14.82   | 5.72 ug/l                        | 31402        | 1,4-Dichlorobenzene-d4 | 13.56     |
| Hit# of | 5                                | Tentative ID | MW MolForm             | CAS# Qual |
| 1       | 2,4-Dimethylstyrene              | 132 C10H12   | 002234-20-0            | 91        |
| 2       | 1-Phenyl-1-butene                | 132 C10H12   | 000824-90-8            | 87        |
| 3       | 1H-Indene, 2,3-dihydro-4-methyl- | 132 C10H12   | 000824-22-6            | 87        |
| 4       | 1H-Indene, 2,3-dihydro-5-methyl- | 132 C10H12   | 000874-35-1            | 81        |
| 5       | Indan, 1-methyl-                 | 132 C10H12   | 000767-58-8            | 81        |



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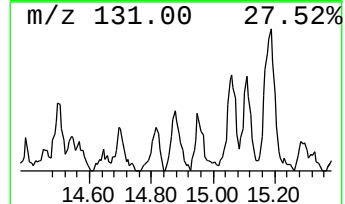
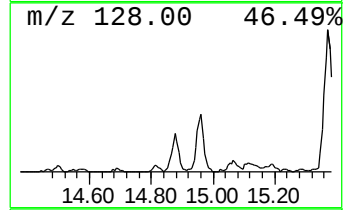
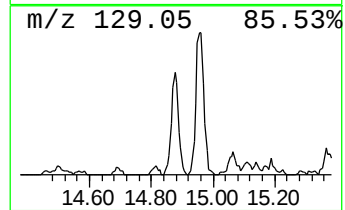
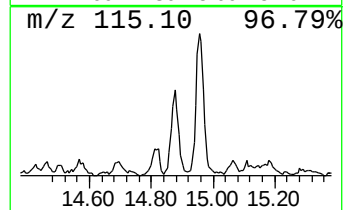
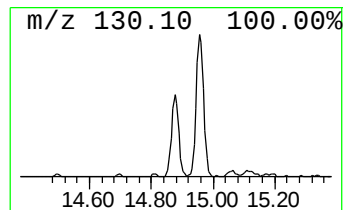
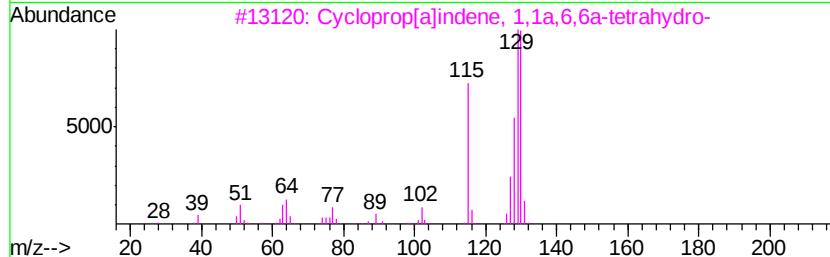
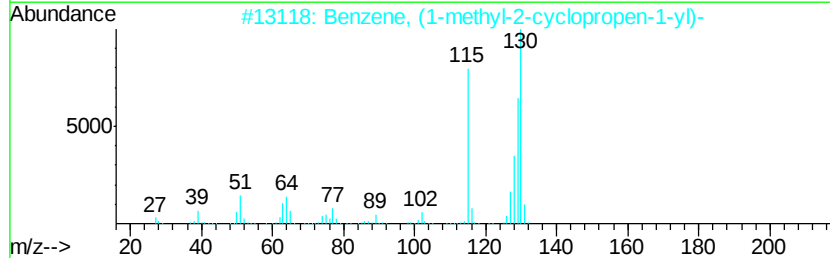
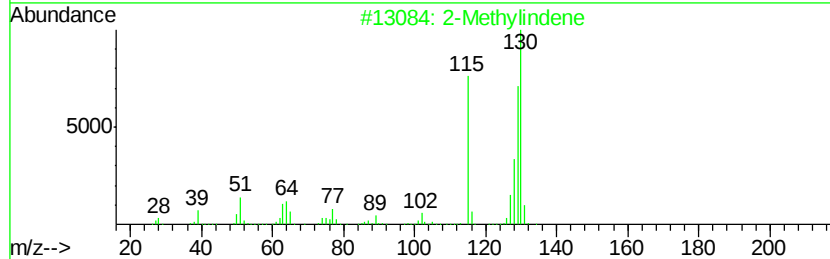
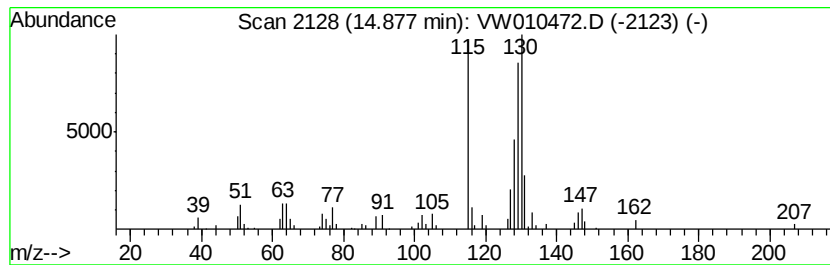
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Quant Title : SW846 8260

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

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Peak Number 4 2-Methylindene Concentration Rank 4

| R.T.    | EstConc                             | Area         | Relative to ISTD       | R.T.      |
|---------|-------------------------------------|--------------|------------------------|-----------|
| 14.88   | 6.60 ug/l                           | 36251        | 1,4-Dichlorobenzene-d4 | 13.56     |
| Hit# of | 5                                   | Tentative ID | MW MolForm             | CAS# Qual |
| 1       | 2-Methylindene                      | 130 C10H10   | 002177-47-1            | 95        |
| 2       | Benzene, (1-methyl-2-cyclopropen... | 130 C10H10   | 065051-83-4            | 92        |
| 3       | Cycloprop[alindene, 1,1a,6,6a-te... | 130 C10H10   | 015677-15-3            | 91        |
| 4       | 1H-Indene, 1-methyl-                | 130 C10H10   | 000767-59-9            | 90        |
| 5       | Benzene,1-methyl-1,2-propadienyl-   | 130 C10H10   | 022433-39-2            | 89        |



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TIC Library : C:\DATABASE\NIST11.L  
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| TIC Top Hit name    | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|---------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                     |       |         |       |          | #                     | RT    | Resp   | Conc |
| 2,4-Dimethylstyrene | 14.82 | 5.7     | ug/l  | 31402    | 4                     | 13.56 | 274435 | 50.0 |
| 2-Methylindene      | 14.88 | 6.6     | ug/l  | 36251    | 4                     | 13.56 | 274435 | 50.0 |