

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081823\  
 Data File : VY015208.D  
 Acq On : 18 Aug 2023 20:08  
 Operator : SY/MD  
 Sample : 04058-01  
 Misc : 4.99g/5.2mL/MSVOA\_Y/SOIL  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SU-04-081723

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\82Y081423S.M  
 Title : SW846 8260

Signal : TIC: VY015208.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         | 4.710       | 463           | 474         | 487          | rBV3     | 22085          | 69232         | 7.78%           | 1.056%        |
| 2         | 5.741       | 631           | 643         | 654          | rBV3     | 4947           | 15395         | 1.73%           | 0.235%        |
| 3         | 6.984       | 836           | 847         | 866          | rBV      | 41479          | 136471        | 15.34%          | 2.081%        |
| 4         | 7.716       | 956           | 967         | 972          | rBV      | 122061         | 285619        | 32.11%          | 4.356%        |
| 5         | 7.789       | 972           | 979         | 991          | rVB      | 196135         | 456332        | 51.29%          | 6.959%        |
| 6         | 8.136       | 1024          | 1036        | 1047         | rBV      | 129134         | 297757        | 33.47%          | 4.541%        |
| 7         | 8.685       | 1118          | 1126        | 1137         | rBV      | 309172         | 617801        | 69.44%          | 9.422%        |
| 8         | 10.179      | 1363          | 1371        | 1378         | rBV      | 500974         | 854063        | 96.00%          | 13.025%       |
| 9         | 10.246      | 1378          | 1382        | 1394         | rVB      | 14757          | 25309         | 2.84%           | 0.386%        |
| 10        | 10.581      | 1430          | 1437        | 1444         | rBV      | 28926          | 51862         | 5.83%           | 0.791%        |
| 11        | 10.947      | 1491          | 1497        | 1508         | rBV      | 25342          | 44049         | 4.95%           | 0.672%        |
| 12        | 11.489      | 1578          | 1586        | 1598         | rBV      | 504322         | 816328        | 91.76%          | 12.449%       |
| 13        | 11.703      | 1611          | 1621        | 1630         | rBV3     | 10252          | 25374         | 2.85%           | 0.387%        |
| 14        | 12.026      | 1664          | 1674        | 1682         | rBV2     | 10680          | 22997         | 2.58%           | 0.351%        |
| 15        | 12.483      | 1741          | 1749        | 1759         | rBV      | 442455         | 698679        | 78.54%          | 10.655%       |
| 16        | 12.666      | 1772          | 1779        | 1784         | rVB      | 6319           | 11852         | 1.33%           | 0.181%        |
| 17        | 12.733      | 1784          | 1790        | 1793         | rBV      | 17055          | 27161         | 3.05%           | 0.414%        |
| 18        | 12.770      | 1793          | 1796        | 1799         | rVV2     | 12075          | 19885         | 2.24%           | 0.303%        |
| 19        | 12.812      | 1799          | 1803        | 1807         | rVV3     | 22724          | 37866         | 4.26%           | 0.577%        |
| 20        | 12.971      | 1820          | 1829        | 1837         | rVV      | 17017          | 32537         | 3.66%           | 0.496%        |
| 21        | 13.044      | 1837          | 1841        | 1848         | rVB6     | 6226           | 10082         | 1.13%           | 0.154%        |
| 22        | 13.123      | 1848          | 1854        | 1859         | rBV      | 37942          | 59138         | 6.65%           | 0.902%        |
| 23        | 13.251      | 1867          | 1875        | 1880         | rBV5     | 6969           | 14735         | 1.66%           | 0.225%        |
| 24        | 13.318      | 1880          | 1886        | 1891         | rBV4     | 12352          | 22962         | 2.58%           | 0.350%        |
| 25        | 13.428      | 1897          | 1904        | 1916         | rVB      | 535670         | 889635        | 100.00%         | 13.567%       |
| 26        | 13.623      | 1928          | 1936        | 1940         | rVV2     | 27951          | 55652         | 6.26%           | 0.849%        |
| 27        | 13.666      | 1940          | 1943        | 1952         | rVV4     | 26085          | 51130         | 5.75%           | 0.780%        |
| 28        | 13.751      | 1952          | 1957        | 1962         | rVV4     | 15620          | 28520         | 3.21%           | 0.435%        |
| 29        | 13.824      | 1965          | 1969        | 1973         | rVV      | 12463          | 21339         | 2.40%           | 0.325%        |
| 30        | 13.885      | 1975          | 1979        | 1981         | rVV      | 11161          | 16917         | 1.90%           | 0.258%        |
| 31        | 13.916      | 1981          | 1984        | 1989         | rVV2     | 13863          | 23558         | 2.65%           | 0.359%        |
| 32        | 13.971      | 1989          | 1993        | 1998         | rVB2     | 35454          | 52404         | 5.89%           | 0.799%        |
| 33        | 14.080      | 2005          | 2011        | 2016         | rVB2     | 25299          | 41320         | 4.64%           | 0.630%        |
| 34        | 14.160      | 2016          | 2024        | 2027         | rBV7     | 5193           | 14300         | 1.61%           | 0.218%        |
| 35        | 14.209      | 2027          | 2032        | 2036         | rBV2     | 10102          | 17768         | 2.00%           | 0.271%        |
| 36        | 14.257      | 2036          | 2040        | 2043         | rVV3     | 12503          | 18449         | 2.07%           | 0.281%        |

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 MSVOA\_Y  
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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\82Y081423S.M  
 Title : SW846 8260

|    |        |      |      |      |      |       |       |        |        |
|----|--------|------|------|------|------|-------|-------|--------|--------|
| 37 | 14.300 | 2043 | 2047 | 2050 | rVV  | 13103 | 20199 | 2.27%  | 0.308% |
| 38 | 14.337 | 2050 | 2053 | 2056 | rVB  | 18691 | 22817 | 2.56%  | 0.348% |
| 39 | 14.379 | 2056 | 2060 | 2063 | rBV2 | 12237 | 16477 | 1.85%  | 0.251% |
| 40 | 14.422 | 2063 | 2067 | 2072 | rVB2 | 14037 | 18576 | 2.09%  | 0.283% |
| 41 | 14.519 | 2080 | 2083 | 2087 | rVB2 | 7597  | 10724 | 1.21%  | 0.164% |
| 42 | 14.562 | 2087 | 2090 | 2095 | rBV4 | 10136 | 18887 | 2.12%  | 0.288% |
| 43 | 14.617 | 2095 | 2099 | 2103 | rVB3 | 14432 | 21589 | 2.43%  | 0.329% |
| 44 | 14.684 | 2103 | 2110 | 2115 | rBV5 | 39247 | 91526 | 10.29% | 1.396% |
| 45 | 14.739 | 2115 | 2119 | 2125 | rVB4 | 14972 | 28428 | 3.20%  | 0.434% |
| 46 | 14.836 | 2129 | 2135 | 2144 | rVB2 | 21442 | 35470 | 3.99%  | 0.541% |
| 47 | 14.946 | 2148 | 2153 | 2156 | rBV3 | 18235 | 28535 | 3.21%  | 0.435% |
| 48 | 15.056 | 2164 | 2171 | 2177 | rBV4 | 17323 | 38822 | 4.36%  | 0.592% |
| 49 | 15.239 | 2190 | 2201 | 2206 | rBV  | 18401 | 42334 | 4.76%  | 0.646% |
| 50 | 15.312 | 2206 | 2213 | 2217 | rBV2 | 19283 | 48526 | 5.45%  | 0.740% |
| 51 | 15.434 | 2231 | 2233 | 2242 | rVB8 | 7055  | 11521 | 1.30%  | 0.176% |
| 52 | 15.531 | 2242 | 2249 | 2255 | rBV4 | 9129  | 20996 | 2.36%  | 0.320% |
| 53 | 15.690 | 2266 | 2275 | 2278 | rBV6 | 9601  | 24490 | 2.75%  | 0.373% |
| 54 | 15.727 | 2278 | 2281 | 2289 | rVB4 | 17199 | 29654 | 3.33%  | 0.452% |
| 55 | 15.891 | 2301 | 2308 | 2314 | rBV4 | 7735  | 16960 | 1.91%  | 0.259% |
| 56 | 16.031 | 2323 | 2331 | 2338 | rBV3 | 14611 | 33548 | 3.77%  | 0.512% |
| 57 | 16.226 | 2355 | 2363 | 2369 | rBV6 | 11864 | 26674 | 3.00%  | 0.407% |
| 58 | 16.294 | 2369 | 2374 | 2381 | rVB2 | 13033 | 24976 | 2.81%  | 0.381% |
| 59 | 16.495 | 2399 | 2407 | 2413 | rBV4 | 11602 | 30557 | 3.43%  | 0.466% |
| 60 | 16.623 | 2424 | 2428 | 2437 | rVB7 | 3952  | 10532 | 1.18%  | 0.161% |

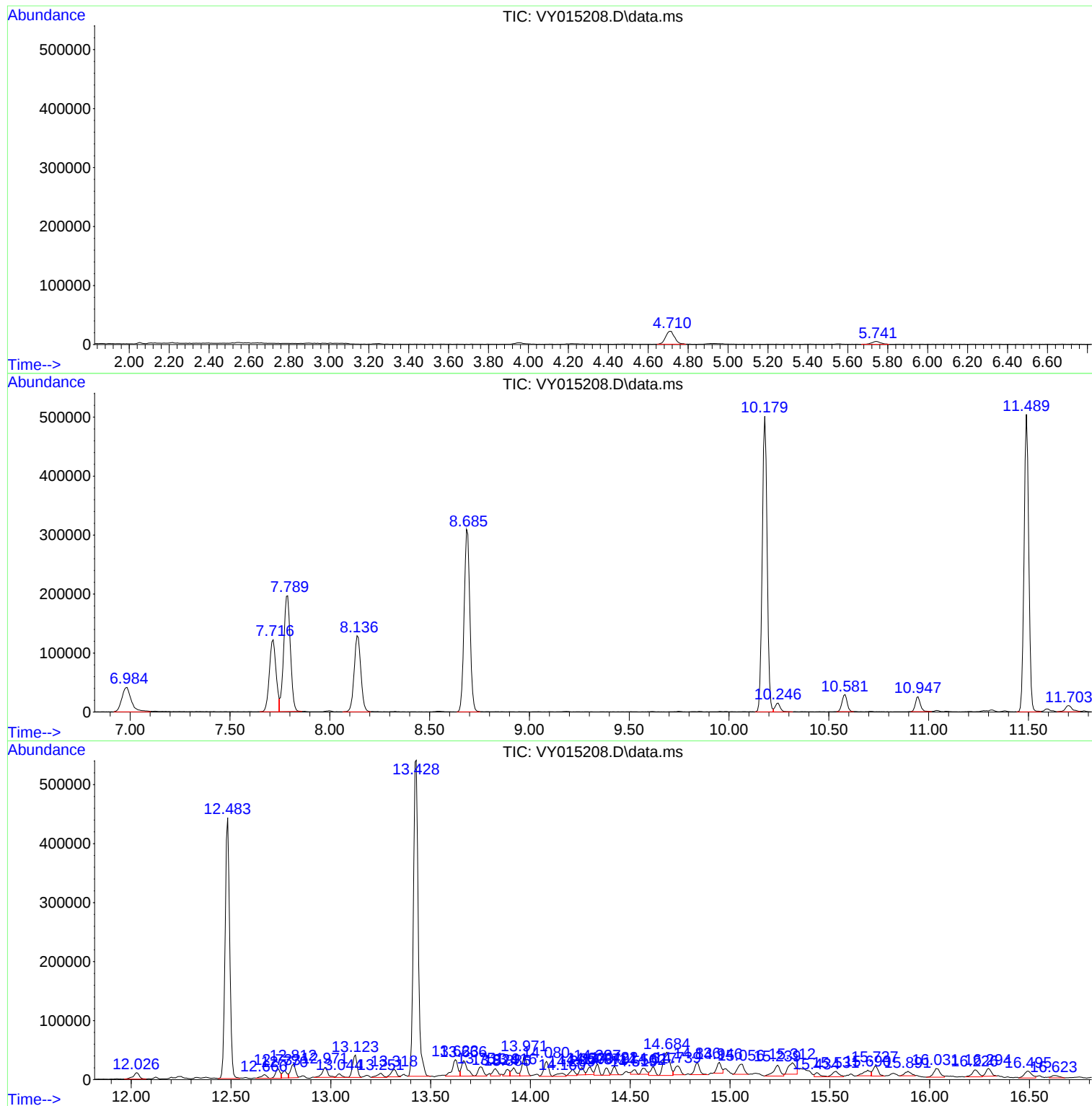
Sum of corrected areas: 6557296

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081423S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L  
TIC Integration Parameters: LSCINT.P



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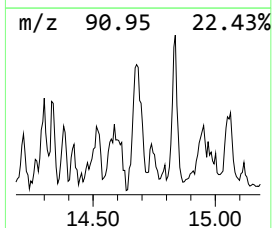
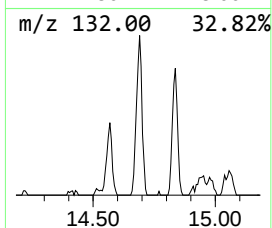
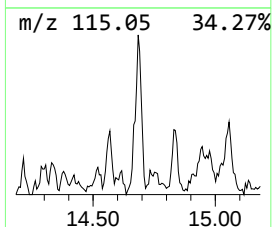
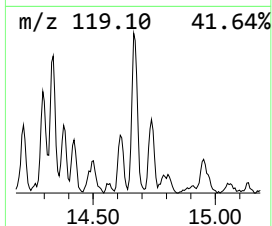
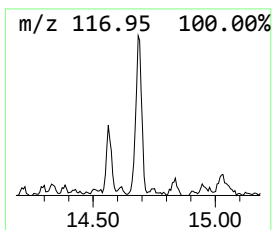
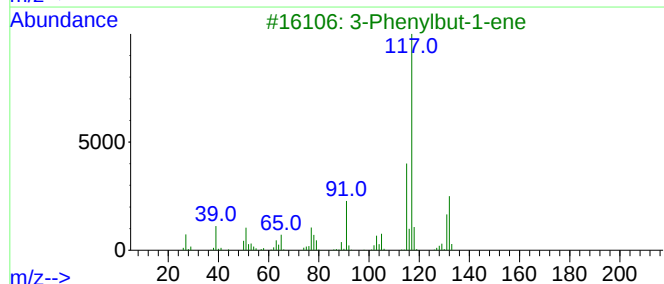
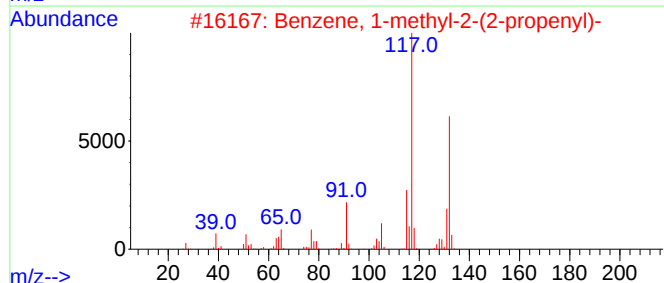
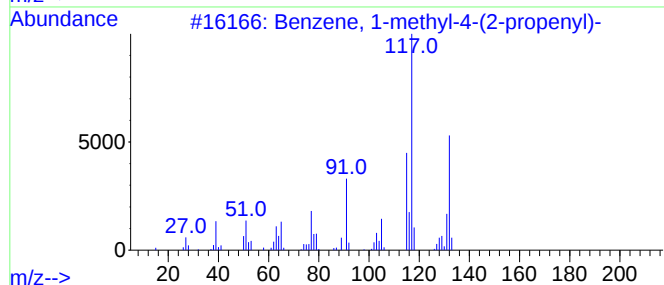
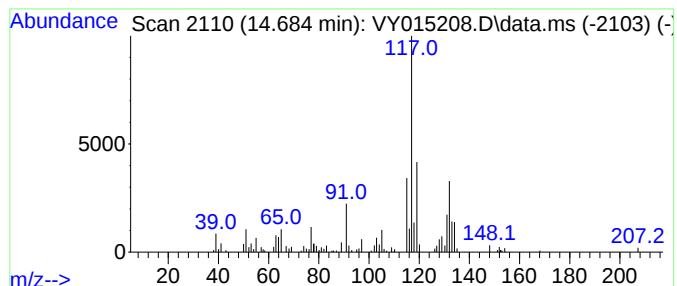
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Benzene, 1-methyl-4-(2-prop... Concentration Rank 2

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 14.684 | 5.14 ug/l | 91526 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                      | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-methyl-4-(2-propenyl)- | 132 | C10H12  | 003333-13-9 | 87   |
| 2    |    |   | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12  | 001587-04-8 | 70   |
| 3    |    |   | 3-Phenylbut-1-ene                 | 132 | C10H12  | 000934-10-1 | 70   |
| 4    |    |   | 1-Phenyl-1-butene                 | 132 | C10H12  | 000824-90-8 | 70   |
| 5    |    |   | (E)-1-Phenyl-1-butene             | 132 | C10H12  | 001005-64-7 | 70   |



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TIC Integration Parameters: LSCINT.P

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |        |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|--------|------|
|                    |        |         |       |          | #                     | RT     | Resp   | Conc |
| Benzene, 1-meth... | 14.684 | 5.1     | ug/l  | 91526    | 4                     | 13.428 | 889635 | 50.0 |