

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY060222\  
 Data File : VY009124.D  
 Acq On : 02 Jun 2022 13:54  
 Operator : KP/MD  
 Sample : N3099-02  
 Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 20220420-COMPOSITE-I

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\82Y052022S.M  
 Title : SW846 8260

Signal : TIC: VY009124.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         | 1.863       | 3             | 7           | 15           | rVB3     | 7989           | 13636         | 1.96%           | 0.303%        |
| 2         | 2.217       | 60            | 65          | 67           | rBV      | 9478           | 14178         | 2.03%           | 0.315%        |
| 3         | 2.241       | 67            | 69          | 74           | rVB2     | 7009           | 9704          | 1.39%           | 0.216%        |
| 4         | 2.509       | 108           | 113         | 126          | rBB4     | 10561          | 26927         | 3.86%           | 0.598%        |
| 5         | 3.942       | 333           | 348         | 356          | rBV2     | 10074          | 27502         | 3.95%           | 0.611%        |
| 6         | 4.027       | 356           | 362         | 369          | rVB4     | 2753           | 7382          | 1.06%           | 0.164%        |
| 7         | 4.186       | 381           | 388         | 399          | rVB4     | 3109           | 8710          | 1.25%           | 0.193%        |
| 8         | 4.704       | 465           | 473         | 487          | rBV5     | 5683           | 19661         | 2.82%           | 0.437%        |
| 9         | 5.734       | 634           | 642         | 655          | rVB2     | 2428           | 7426          | 1.07%           | 0.165%        |
| 10        | 6.972       | 835           | 845         | 857          | rBV2     | 9675           | 31542         | 4.53%           | 0.701%        |
| 11        | 7.716       | 957           | 967         | 972          | rBV2     | 96608          | 226238        | 32.46%          | 5.026%        |
| 12        | 7.789       | 972           | 979         | 987          | rVV      | 149771         | 343552        | 49.29%          | 7.632%        |
| 13        | 8.143       | 1026          | 1037        | 1046         | rVB      | 105833         | 237881        | 34.13%          | 5.284%        |
| 14        | 8.325       | 1059          | 1067        | 1075         | rVB3     | 6457           | 17463         | 2.51%           | 0.388%        |
| 15        | 8.685       | 1117          | 1126        | 1136         | rBV      | 233027         | 472586        | 67.80%          | 10.498%       |
| 16        | 9.185       | 1195          | 1208        | 1214         | rBV5     | 7937           | 25189         | 3.61%           | 0.560%        |
| 17        | 9.459       | 1244          | 1253        | 1261         | rBV4     | 5124           | 11661         | 1.67%           | 0.259%        |
| 18        | 9.612       | 1272          | 1278        | 1286         | rBV2     | 8189           | 16847         | 2.42%           | 0.374%        |
| 19        | 9.746       | 1289          | 1300        | 1306         | rBV      | 10052          | 20015         | 2.87%           | 0.445%        |
| 20        | 10.112      | 1356          | 1360        | 1364         | rVB2     | 5756           | 8825          | 1.27%           | 0.196%        |
| 21        | 10.179      | 1364          | 1371        | 1380         | rBV      | 418308         | 696988        | 100.00%         | 15.483%       |
| 22        | 10.368      | 1394          | 1402        | 1408         | rVB6     | 3373           | 8537          | 1.22%           | 0.190%        |
| 23        | 10.801      | 1468          | 1473        | 1479         | rVB5     | 3520           | 6988          | 1.00%           | 0.155%        |
| 24        | 10.941      | 1492          | 1496        | 1500         | rBV4     | 4515           | 7577          | 1.09%           | 0.168%        |
| 25        | 11.087      | 1515          | 1520        | 1526         | rBV3     | 10519          | 19378         | 2.78%           | 0.430%        |
| 26        | 11.142      | 1526          | 1529        | 1534         | rVV3     | 4171           | 7416          | 1.06%           | 0.165%        |
| 27        | 11.489      | 1577          | 1586        | 1596         | rBV      | 376847         | 608190        | 87.26%          | 13.511%       |
| 28        | 11.685      | 1613          | 1618        | 1622         | rBV6     | 5387           | 11103         | 1.59%           | 0.247%        |
| 29        | 11.746      | 1622          | 1628        | 1638         | rVB8     | 6363           | 19452         | 2.79%           | 0.432%        |
| 30        | 11.837      | 1638          | 1643        | 1648         | rBV5     | 3467           | 7937          | 1.14%           | 0.176%        |
| 31        | 11.995      | 1663          | 1669        | 1677         | rBV7     | 8329           | 27322         | 3.92%           | 0.607%        |
| 32        | 12.203      | 1698          | 1703        | 1705         | rVV5     | 9038           | 15806         | 2.27%           | 0.351%        |
| 33        | 12.233      | 1705          | 1708        | 1714         | rVB5     | 9769           | 15656         | 2.25%           | 0.348%        |
| 34        | 12.313      | 1714          | 1721        | 1727         | rBV10    | 6559           | 19707         | 2.83%           | 0.438%        |
| 35        | 12.483      | 1742          | 1749        | 1755         | rBV2     | 292345         | 470824        | 67.55%          | 10.459%       |
| 36        | 12.569      | 1761          | 1763        | 1767         | rVV4     | 4739           | 7310          | 1.05%           | 0.162%        |

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 ClientSampleId :  
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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\82Y052022S.M  
 Title : SW846 8260

|    |        |      |      |      |       |        |        |        |         |
|----|--------|------|------|------|-------|--------|--------|--------|---------|
| 37 | 12.648 | 1768 | 1776 | 1782 | rVB5  | 13558  | 31053  | 4.46%  | 0.690%  |
| 38 | 12.733 | 1782 | 1790 | 1796 | rBV10 | 10562  | 31685  | 4.55%  | 0.704%  |
| 39 | 12.843 | 1796 | 1808 | 1816 | rBV3  | 20728  | 63380  | 9.09%  | 1.408%  |
| 40 | 12.947 | 1821 | 1825 | 1830 | rVB6  | 7084   | 11451  | 1.64%  | 0.254%  |
| 41 | 13.038 | 1837 | 1840 | 1843 | rBV3  | 6775   | 10798  | 1.55%  | 0.240%  |
| 42 | 13.129 | 1850 | 1855 | 1858 | rBV6  | 7469   | 12296  | 1.76%  | 0.273%  |
| 43 | 13.172 | 1859 | 1862 | 1870 | rVB7  | 5323   | 10853  | 1.56%  | 0.241%  |
| 44 | 13.288 | 1872 | 1881 | 1884 | rBV6  | 12858  | 28126  | 4.04%  | 0.625%  |
| 45 | 13.422 | 1897 | 1903 | 1910 | rBV   | 348028 | 533236 | 76.51% | 11.845% |
| 46 | 13.562 | 1922 | 1926 | 1930 | rVB6  | 6774   | 12064  | 1.73%  | 0.268%  |
| 47 | 13.611 | 1930 | 1934 | 1938 | rBV6  | 3646   | 7650   | 1.10%  | 0.170%  |
| 48 | 13.745 | 1949 | 1956 | 1962 | rBV10 | 13524  | 28101  | 4.03%  | 0.624%  |
| 49 | 13.965 | 1987 | 1992 | 1997 | rVB2  | 16137  | 25363  | 3.64%  | 0.563%  |
| 50 | 14.257 | 2035 | 2040 | 2045 | rBV8  | 12299  | 28457  | 4.08%  | 0.632%  |
| 51 | 14.422 | 2064 | 2067 | 2071 | rVB5  | 11235  | 15221  | 2.18%  | 0.338%  |
| 52 | 14.477 | 2071 | 2076 | 2079 | rBV6  | 5909   | 10647  | 1.53%  | 0.237%  |
| 53 | 14.684 | 2106 | 2110 | 2114 | rVV7  | 7121   | 13493  | 1.94%  | 0.300%  |
| 54 | 14.733 | 2114 | 2118 | 2124 | rVB7  | 12961  | 20812  | 2.99%  | 0.462%  |
| 55 | 14.849 | 2134 | 2137 | 2148 | rVB7  | 10012  | 23474  | 3.37%  | 0.521%  |
| 56 | 14.946 | 2148 | 2153 | 2157 | rVB6  | 7932   | 12141  | 1.74%  | 0.270%  |
| 57 | 15.123 | 2180 | 2182 | 2190 | rVB8  | 9011   | 18043  | 2.59%  | 0.401%  |
| 58 | 15.221 | 2195 | 2198 | 2202 | rVB6  | 6300   | 10187  | 1.46%  | 0.226%  |
| 59 | 15.446 | 2230 | 2235 | 2243 | rBV10 | 6353   | 14150  | 2.03%  | 0.314%  |
| 60 | 15.611 | 2258 | 2262 | 2267 | rVB4  | 11863  | 22207  | 3.19%  | 0.493%  |
| 61 | 16.470 | 2400 | 2403 | 2410 | rBV8  | 5099   | 9589   | 1.38%  | 0.213%  |

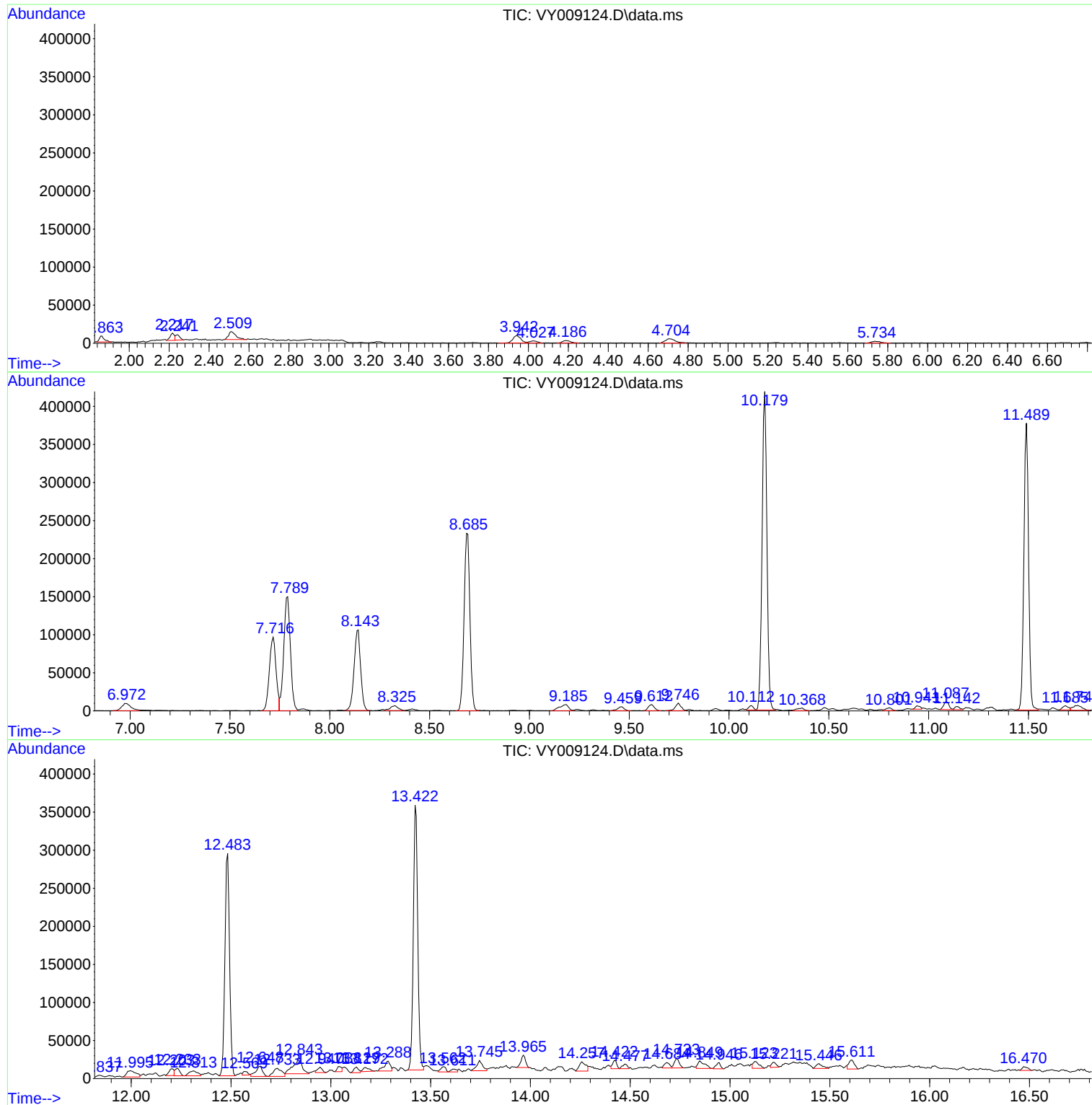
Sum of corrected areas: 4501593

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Instrument :  
MSVOA\_Y  
ClientSampleId :  
20220420-COMPOSITE-I

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y052022S.M  
Quant Title : SW846 8260

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



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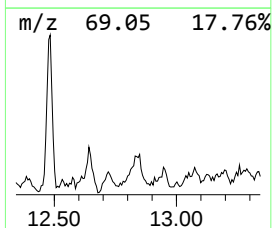
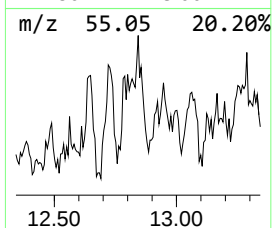
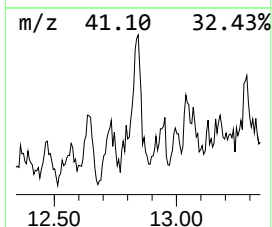
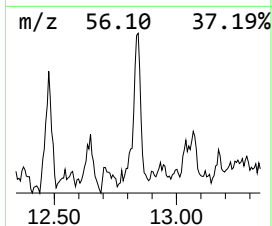
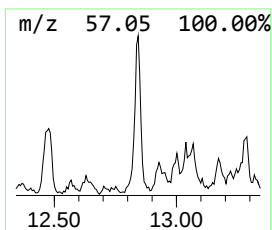
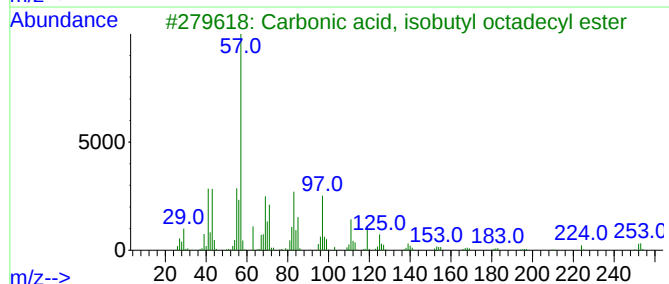
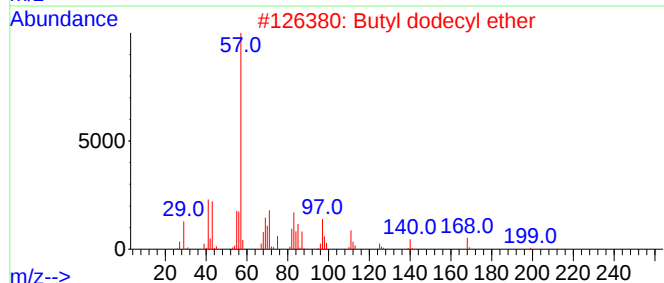
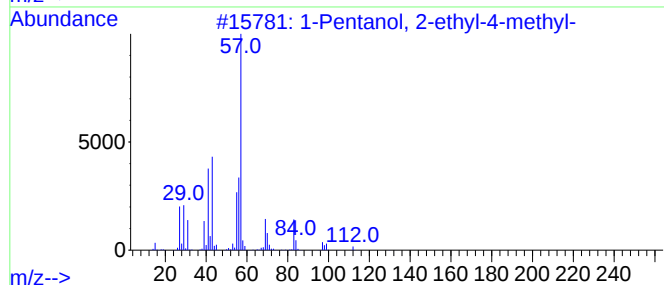
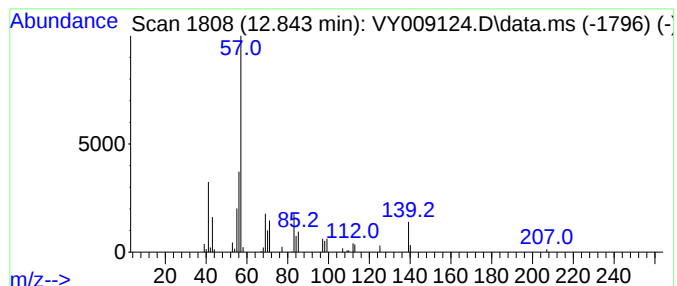
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 1-Pentanol, 2-ethyl-4-methyl- Concentration Rank 1

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 12.843 | 5.94 ug/l | 63380 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of                                  | 5   | Tentative ID | MW           | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|--------------|---------|------|------|
| 1    | 1-Pentanol, 2-ethyl-4-methyl-       | 130 | C8H18O       | 000106-67-2  | 53      |      |      |
| 2    | Butyl dodecyl ether                 | 242 | C16H34O      | 1000406-40-3 | 50      |      |      |
| 3    | Carbonic acid, isobutyl octadecy... | 370 | C23H46O3     | 1000314-61-5 | 47      |      |      |
| 4    | Butyl hexadecyl ether               | 298 | C20H42O      | 1010406-40-5 | 43      |      |      |
| 5    | 1-Hexene, 5,5-dimethyl-             | 112 | C8H16        | 007116-86-1  | 43      |      |      |



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TIC Integration Parameters: LSCINT.P

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |        |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|--------|------|
|                    |        |         |       |          | #                     | RT     | Resp   | Conc |
| 1-Pentanol, 2-e... | 12.843 | 5.9     | ug/l  | 63380    | 4                     | 13.428 | 533236 | 50.0 |