

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY072821\  
 Data File : VY005491.D  
 Acq On : 28 Jul 2021 15:56  
 Operator : SY/MD  
 Sample : M3210-02  
 Misc : 5.01G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-2(1.0-1.5)

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\82Y072221S.M  
 Title : SW846 8260

Signal : TIC: VY005491.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         | 1.942       | 19            | 20          | 25           | rVB      | 757            | 889           | 1.27%           | 0.218%        |
| 2         | 2.144       | 50            | 53          | 55           | rVB3     | 532            | 788           | 1.13%           | 0.193%        |
| 3         | 2.400       | 94            | 95          | 98           | rBV2     | 827            | 924           | 1.32%           | 0.227%        |
| 4         | 2.662       | 136           | 138         | 139          | rBV2     | 977            | 722           | 1.03%           | 0.177%        |
| 5         | 4.722       | 469           | 476         | 485          | rBV5     | 2053           | 6464          | 9.23%           | 1.587%        |
| 6         | 5.759       | 638           | 646         | 655          | rBV6     | 2658           | 6716          | 9.59%           | 1.649%        |
| 7         | 7.728       | 961           | 969         | 975          | rBV3     | 10249          | 23899         | 34.14%          | 5.868%        |
| 8         | 7.795       | 975           | 980         | 989          | rVB      | 16715          | 36503         | 52.15%          | 8.963%        |
| 9         | 8.082       | 1024          | 1027        | 1030         | rBV3     | 634            | 918           | 1.31%           | 0.225%        |
| 10        | 8.149       | 1030          | 1038        | 1045         | rVV      | 10213          | 22814         | 32.59%          | 5.602%        |
| 11        | 8.697       | 1121          | 1128        | 1137         | rBV      | 25669          | 50867         | 72.67%          | 12.491%       |
| 12        | 9.502       | 1256          | 1260        | 1264         | rBV3     | 447            | 735           | 1.05%           | 0.180%        |
| 13        | 9.752       | 1298          | 1301        | 1306         | rVB7     | 981            | 1718          | 2.45%           | 0.422%        |
| 14        | 9.868       | 1317          | 1320        | 1324         | rBV4     | 542            | 864           | 1.23%           | 0.212%        |
| 15        | 10.185      | 1365          | 1372        | 1380         | rVB      | 41656          | 69996         | 100.00%         | 17.188%       |
| 16        | 11.496      | 1580          | 1587        | 1595         | rBV      | 35721          | 57641         | 82.35%          | 14.154%       |
| 17        | 12.483      | 1743          | 1749        | 1758         | rVB      | 26357          | 43076         | 61.54%          | 10.577%       |
| 18        | 12.892      | 1812          | 1816        | 1818         | rBV3     | 681            | 867           | 1.24%           | 0.213%        |
| 19        | 12.983      | 1829          | 1831        | 1837         | rVB2     | 1049           | 1485          | 2.12%           | 0.365%        |
| 20        | 13.428      | 1898          | 1904        | 1911         | rVB2     | 31468          | 48448         | 69.22%          | 11.897%       |
| 21        | 13.629      | 1935          | 1937        | 1940         | rBV3     | 713            | 741           | 1.06%           | 0.182%        |
| 22        | 13.690      | 1943          | 1947        | 1953         | rVB6     | 1225           | 2126          | 3.04%           | 0.522%        |
| 23        | 13.776      | 1959          | 1961        | 1964         | rVB3     | 639            | 771           | 1.10%           | 0.189%        |
| 24        | 13.971      | 1988          | 1993        | 1995         | rVB7     | 928            | 1527          | 2.18%           | 0.375%        |
| 25        | 14.099      | 2011          | 2014        | 2016         | rBV4     | 700            | 784           | 1.12%           | 0.193%        |
| 26        | 14.166      | 2020          | 2025        | 2029         | rBV7     | 715            | 1620          | 2.31%           | 0.398%        |
| 27        | 14.318      | 2048          | 2050        | 2051         | rBV2     | 1006           | 810           | 1.16%           | 0.199%        |
| 28        | 14.330      | 2051          | 2052        | 2053         | rBV      | 1285           | 904           | 1.29%           | 0.222%        |
| 29        | 14.477      | 2073          | 2076        | 2079         | rBV5     | 1570           | 2338          | 3.34%           | 0.574%        |
| 30        | 14.745      | 2111          | 2120        | 2128         | rBV8     | 4571           | 16556         | 23.65%          | 4.065%        |
| 31        | 15.129      | 2181          | 2183        | 2185         | rBV3     | 977            | 932           | 1.33%           | 0.229%        |
| 32        | 15.525      | 2246          | 2248        | 2249         | rBV      | 1096           | 899           | 1.28%           | 0.221%        |
| 33        | 16.220      | 2360          | 2362        | 2364         | rVB3     | 1396           | 902           | 1.29%           | 0.221%        |

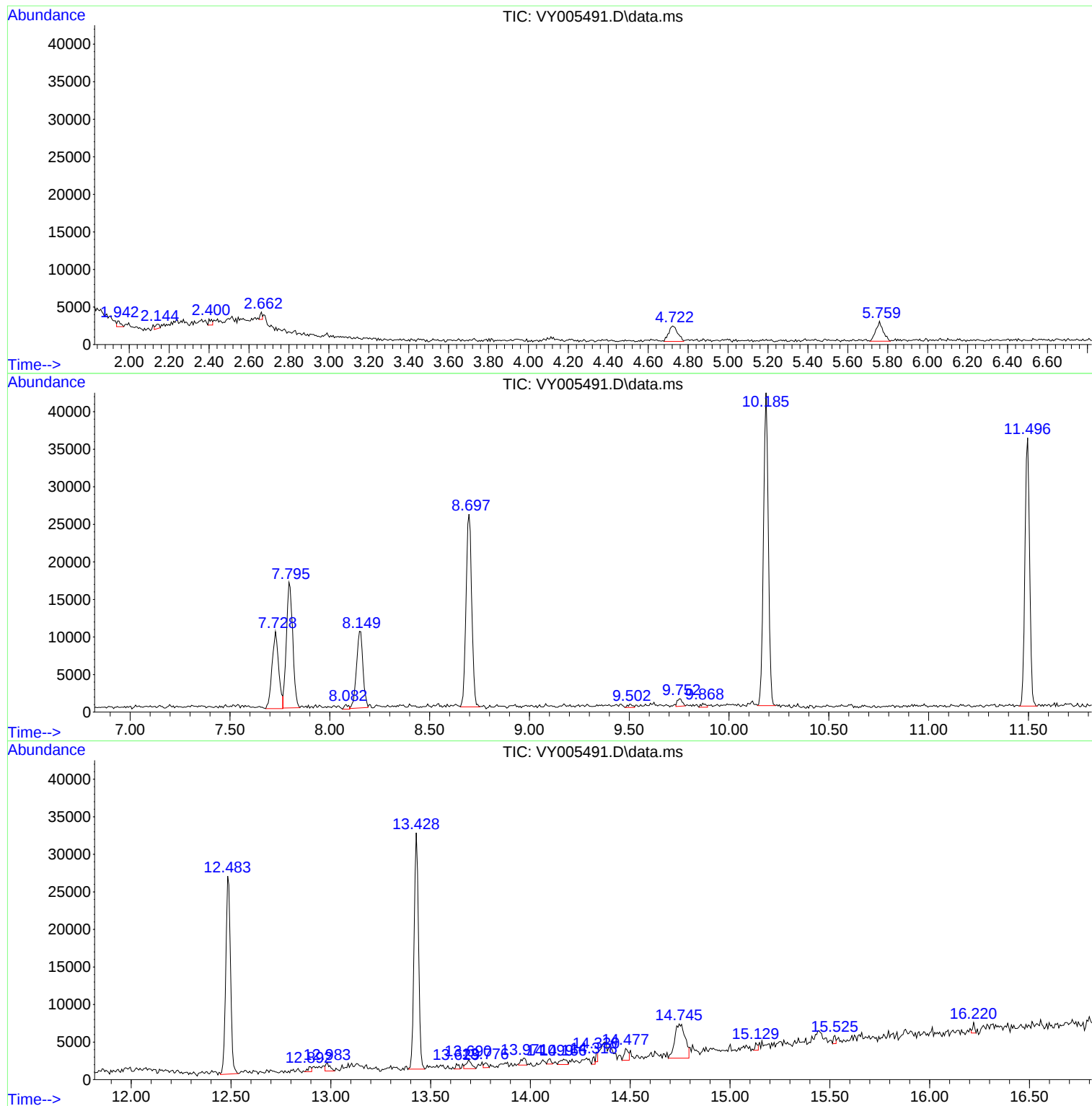
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ClientSampleId :  
SB-2(1.0-1.5)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y072221S.M  
Quant Title : SW846 8260

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



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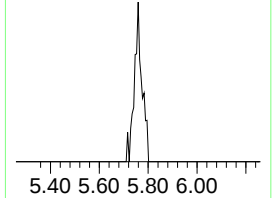
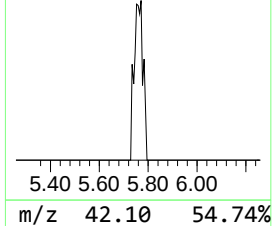
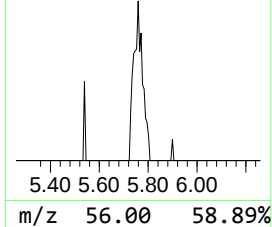
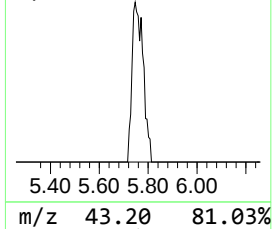
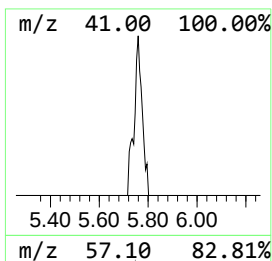
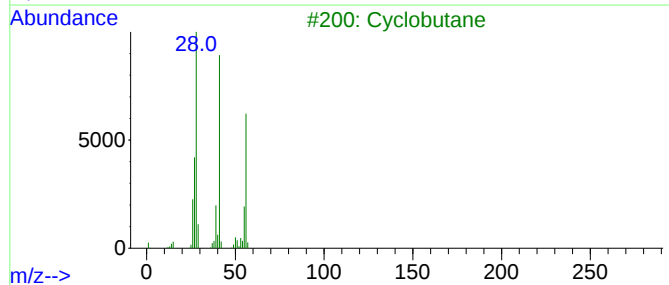
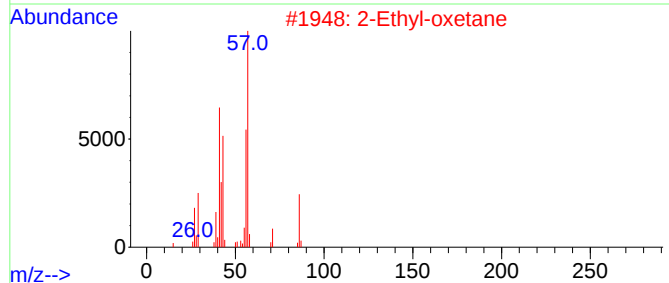
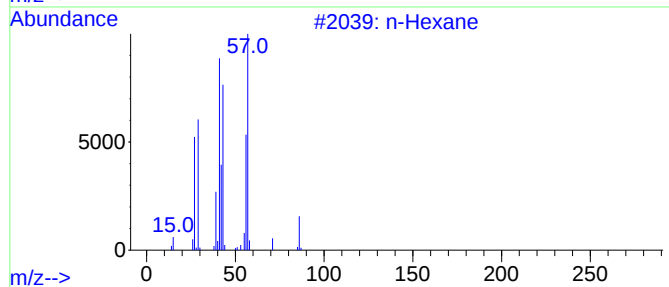
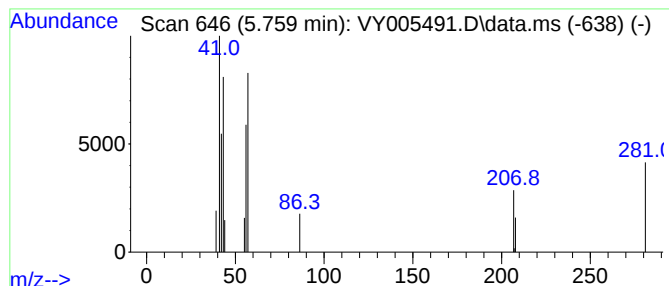
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 n-Hexane Concentration Rank 2

| R.T.  | EstConc   | Area | Relative to ISTD   | R.T.  |
|-------|-----------|------|--------------------|-------|
| 5.759 | 9.20 ug/l | 6716 | Pentafluorobenzene | 7.801 |

| Hit# | of | 5 | Tentative ID                      | MW  | MolForm     | CAS#         | Qual |
|------|----|---|-----------------------------------|-----|-------------|--------------|------|
| 1    |    |   | n-Hexane                          | 86  | C6H14       | 000110-54-3  | 35   |
| 2    |    |   | 2-Ethyl-oxetane                   | 86  | C5H10O      | 1010386-40-2 | 9    |
| 3    |    |   | Cyclobutane                       | 56  | C4H8        | 000287-23-0  | 9    |
| 4    |    |   | Trichloroacetic acid, decyl ester | 302 | C12H21Cl3O2 | 065611-33-8  | 9    |
| 5    |    |   | 2-Acetyl-9-[3-deoxy-.beta.-d-r... | 308 | C13H16N4O5  | 132121-67-6  | 9    |



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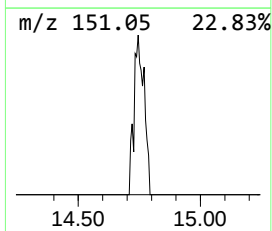
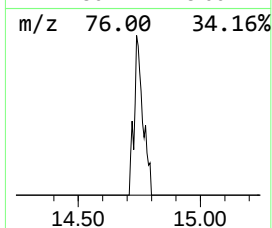
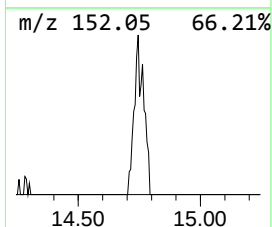
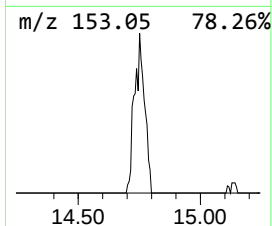
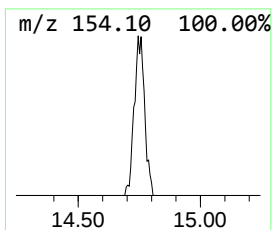
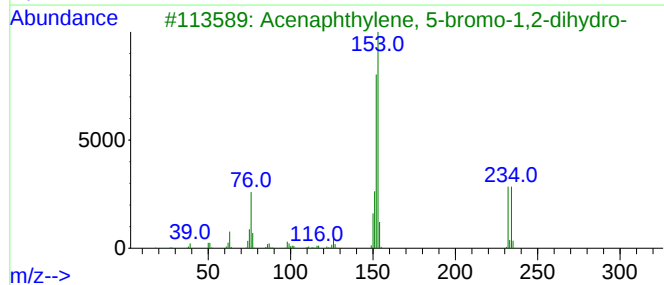
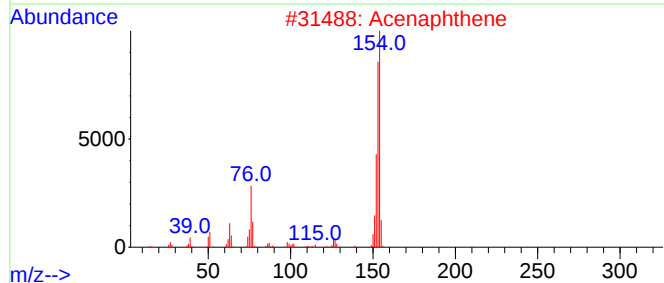
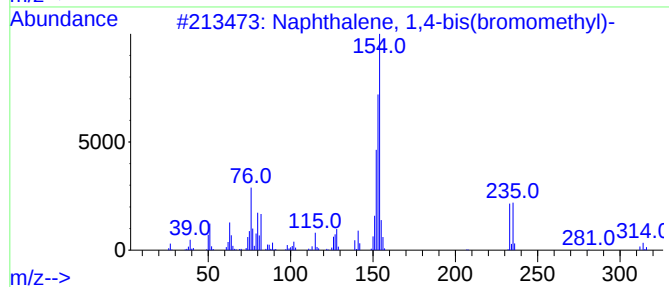
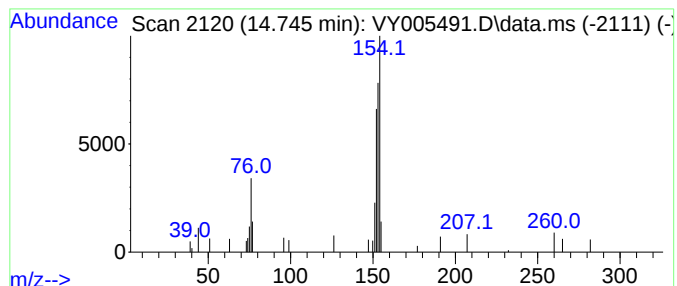
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Peak Number 2 Naphthalene, 1,4-bis(bromomethyl) Concentration Rank 1

| R.T.   | EstConc    | Area  | Relative to ISTD       | R.T.   |
|--------|------------|-------|------------------------|--------|
| 14.745 | 17.09 ug/l | 16556 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                         | MW  | MolForm   | CAS#        | Qual |
|------|----|---|--------------------------------------|-----|-----------|-------------|------|
| 1    |    |   | Naphthalene, 1,4-bis(bromomethyl)-   | 312 | C12H10Br2 | 058791-49-4 | 78   |
| 2    |    |   | Acenaphthene                         | 154 | C12H10    | 000083-32-9 | 58   |
| 3    |    |   | Acenaphthylene, 5-bromo-1,2-dihydro- | 232 | C12H9Br   | 002051-98-1 | 47   |
| 4    |    |   | Biphenyl                             | 154 | C12H10    | 000092-52-4 | 43   |
| 5    |    |   | Ethyl 1,2-dihydroacenaphthylene-     | 226 | C15H14O2  | 092548-86-2 | 37   |



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| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |       |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|-------|------|
|                    |        |         |       |          | #                     | RT     | Resp  | Conc |
| n-Hexane           | 5.759  | 9.2     | ug/l  | 6716     | 1                     | 7.801  | 36503 | 50.0 |
| Naphthalene, 1,... | 14.745 | 17.1    | ug/l  | 16556    | 4                     | 13.428 | 48448 | 50.0 |