

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD111121\  
 Data File : VD070993.D  
 Acq On : 11 Nov 2021 15:58  
 Operator : VA/SY  
 Sample : M4582-04  
 Misc : 7.18G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VWE-B10-110621-0-1

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\_D\Method\82D110921S.M  
 Title : SW846 8260

Signal : TIC: VD070993.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         | 1.950       | 3             | 5           | 9            | rVB      | 44948          | 47276         | 1.97%           | 0.339%        |
| 2         | 2.321       | 60            | 68          | 69           | rBV      | 33626          | 54371         | 2.26%           | 0.390%        |
| 3         | 3.309       | 228           | 236         | 245          | rVB3     | 14993          | 33737         | 1.40%           | 0.242%        |
| 4         | 3.403       | 245           | 252         | 260          | rBV4     | 12890          | 37806         | 1.57%           | 0.271%        |
| 5         | 4.162       | 371           | 381         | 391          | rBV6     | 12079          | 39947         | 1.66%           | 0.287%        |
| 6         | 4.956       | 506           | 516         | 517          | rBV2     | 24115          | 45012         | 1.87%           | 0.323%        |
| 7         | 5.826       | 654           | 664         | 674          | rBV6     | 15015          | 52449         | 2.18%           | 0.376%        |
| 8         | 5.991       | 682           | 692         | 701          | rBV5     | 17470          | 54011         | 2.25%           | 0.387%        |
| 9         | 7.909       | 1008          | 1018        | 1024         | rBV      | 298052         | 727283        | 30.28%          | 5.217%        |
| 10        | 7.973       | 1024          | 1029        | 1043         | rVB      | 536622         | 1192083       | 49.63%          | 8.552%        |
| 11        | 8.326       | 1080          | 1089        | 1101         | rBV      | 294045         | 700185        | 29.15%          | 5.023%        |
| 12        | 8.603       | 1130          | 1136        | 1144         | rVB6     | 12639          | 32458         | 1.35%           | 0.233%        |
| 13        | 8.714       | 1149          | 1155        | 1163         | rBV3     | 11891          | 24663         | 1.03%           | 0.177%        |
| 14        | 8.861       | 1169          | 1180        | 1194         | rBV      | 815383         | 1688263       | 70.28%          | 12.111%       |
| 15        | 9.350       | 1256          | 1263        | 1269         | rVB4     | 17707          | 34722         | 1.45%           | 0.249%        |
| 16        | 9.967       | 1364          | 1368        | 1373         | rBV5     | 15937          | 29954         | 1.25%           | 0.215%        |
| 17        | 10.108      | 1387          | 1392        | 1402         | rVB3     | 13467          | 28547         | 1.19%           | 0.205%        |
| 18        | 10.332      | 1422          | 1430        | 1438         | rBV      | 1303160        | 2402096       | 100.00%         | 17.232%       |
| 19        | 10.514      | 1454          | 1461        | 1469         | rVB3     | 36335          | 67885         | 2.83%           | 0.487%        |
| 20        | 10.767      | 1498          | 1504        | 1514         | rBV6     | 14340          | 31443         | 1.31%           | 0.226%        |
| 21        | 11.426      | 1608          | 1616        | 1617         | rBV2     | 23494          | 41489         | 1.73%           | 0.298%        |
| 22        | 11.638      | 1643          | 1652        | 1663         | rBV      | 1185547        | 2054379       | 85.52%          | 14.738%       |
| 23        | 11.850      | 1679          | 1688        | 1692         | rBV3     | 27934          | 62451         | 2.60%           | 0.448%        |
| 24        | 12.150      | 1729          | 1739        | 1740         | rBV5     | 15581          | 29722         | 1.24%           | 0.213%        |
| 25        | 12.620      | 1812          | 1819        | 1827         | rBV      | 959387         | 1590349       | 66.21%          | 11.409%       |
| 26        | 12.949      | 1863          | 1875        | 1880         | rVV8     | 28275          | 89103         | 3.71%           | 0.639%        |
| 27        | 13.002      | 1880          | 1884        | 1889         | rVB5     | 18389          | 30001         | 1.25%           | 0.215%        |
| 28        | 13.173      | 1908          | 1913        | 1920         | rVB2     | 36296          | 64180         | 2.67%           | 0.460%        |
| 29        | 13.455      | 1952          | 1961        | 1964         | rBV8     | 29816          | 76477         | 3.18%           | 0.549%        |
| 30        | 13.491      | 1964          | 1967        | 1970         | rVV3     | 39680          | 59091         | 2.46%           | 0.424%        |
| 31        | 13.561      | 1970          | 1979        | 1987         | rVV      | 1030205        | 1772488       | 73.79%          | 12.716%       |
| 32        | 13.632      | 1987          | 1991        | 1997         | rVV3     | 41721          | 66582         | 2.77%           | 0.478%        |
| 33        | 13.885      | 2028          | 2034        | 2038         | rVV5     | 70591          | 132122        | 5.50%           | 0.948%        |
| 34        | 13.926      | 2038          | 2041        | 2046         | rVB4     | 21079          | 30876         | 1.29%           | 0.221%        |
| 35        | 13.985      | 2046          | 2051        | 2056         | rBV4     | 23888          | 38229         | 1.59%           | 0.274%        |
| 36        | 14.138      | 2075          | 2077        | 2083         | rVB5     | 19673          | 29779         | 1.24%           | 0.214%        |

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ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VWE-B10-110621-0-1

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\_D\Method\82D110921S.M

Title : SW846 8260

|    |        |      |      |      |      |       |        |       |        |
|----|--------|------|------|------|------|-------|--------|-------|--------|
| 37 | 14.273 | 2095 | 2100 | 2104 | rVB7 | 16400 | 25547  | 1.06% | 0.183% |
| 38 | 14.391 | 2116 | 2120 | 2135 | rVV7 | 66400 | 177962 | 7.41% | 1.277% |
| 39 | 14.508 | 2135 | 2140 | 2143 | rVV7 | 24007 | 46674  | 1.94% | 0.335% |
| 40 | 14.555 | 2144 | 2148 | 2153 | rVV5 | 34335 | 63803  | 2.66% | 0.458% |
| 41 | 14.608 | 2153 | 2157 | 2164 | rVB5 | 18767 | 37209  | 1.55% | 0.267% |
| 42 | 14.855 | 2194 | 2199 | 2206 | rVB4 | 31251 | 62164  | 2.59% | 0.446% |
| 43 | 14.979 | 2217 | 2220 | 2230 | rVB4 | 12264 | 34645  | 1.44% | 0.249% |

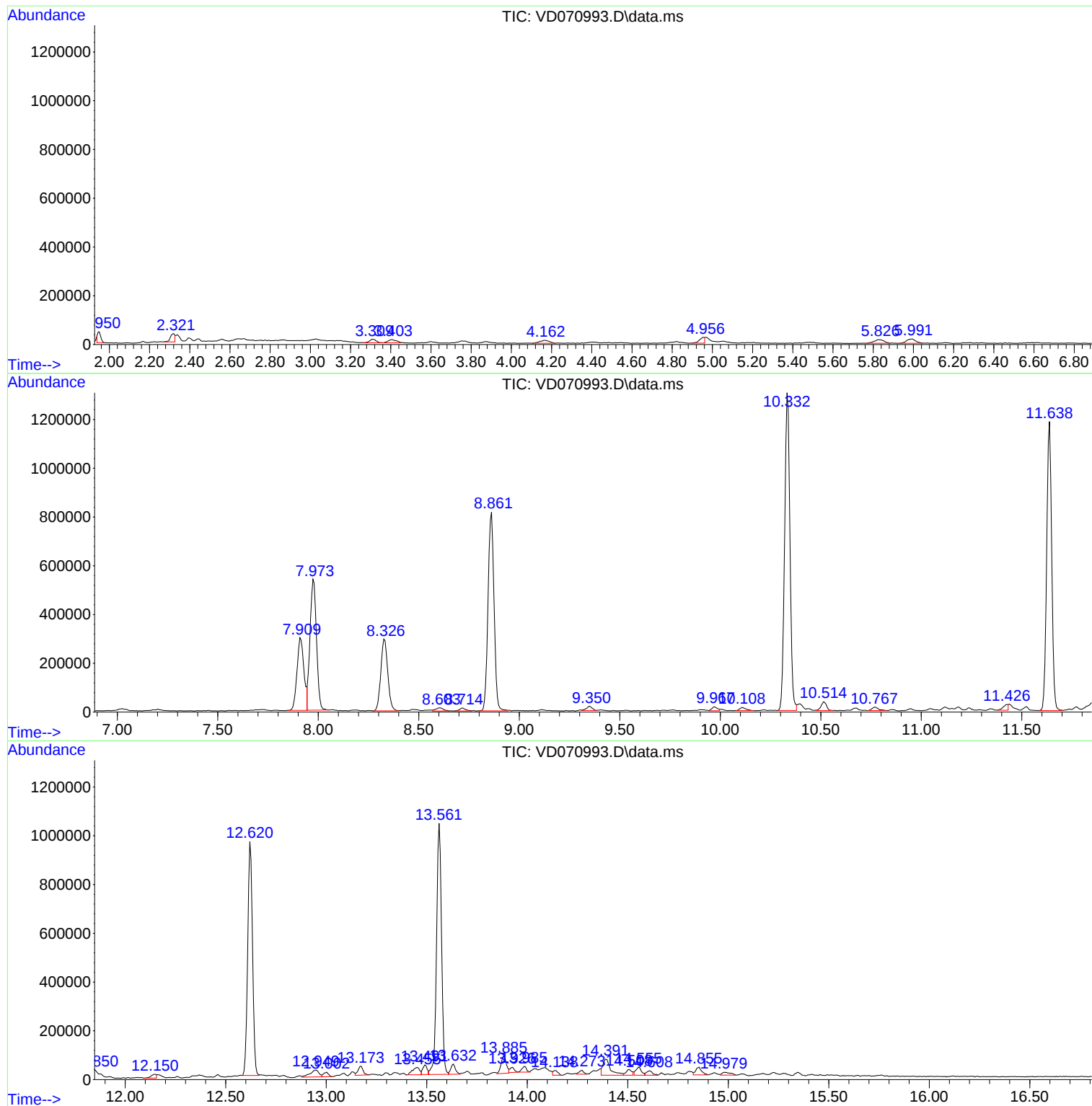
Sum of corrected areas: 13939513

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D110921S.M  
Quant Title : SW846 8260

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



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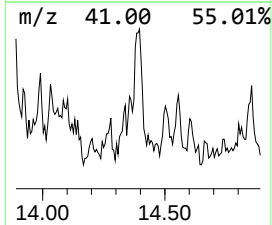
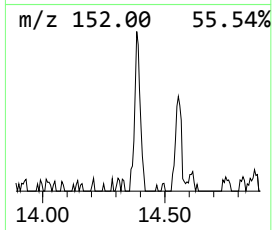
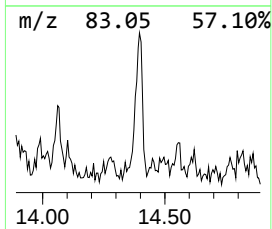
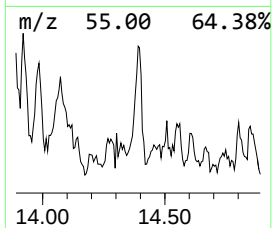
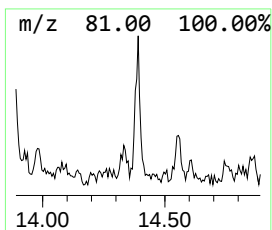
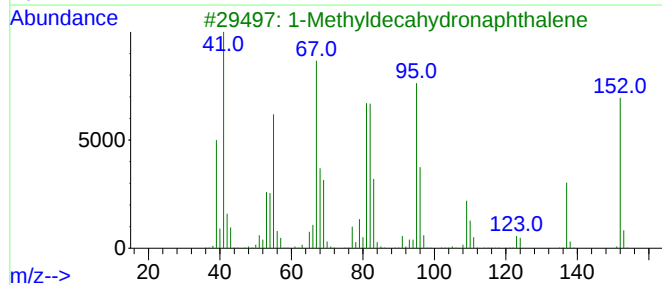
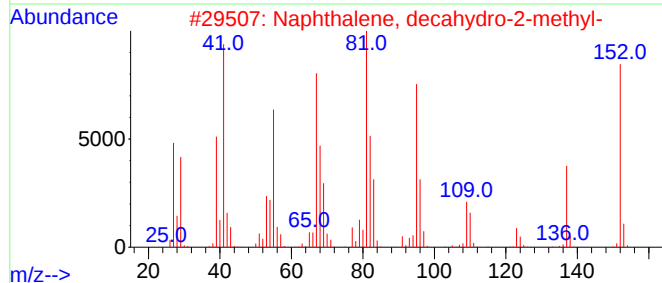
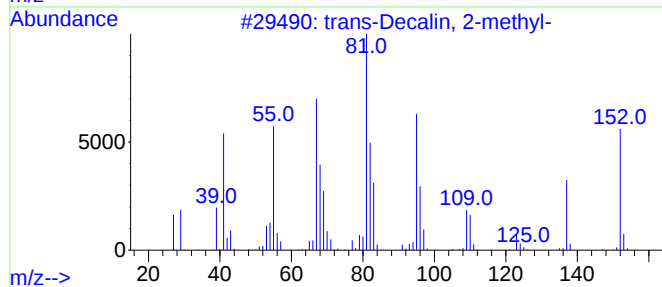
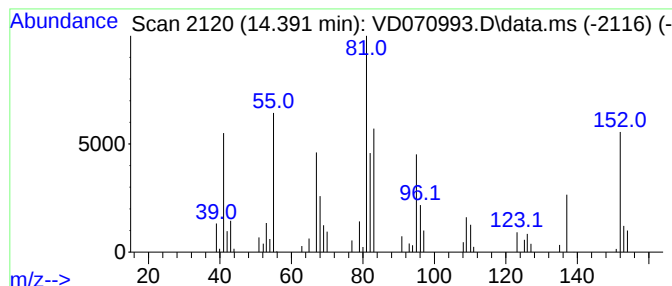
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 trans-Decalin, 2-methyl- Concentration Rank 1

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 14.391 | 5.02 ug/l | 177962 | 1,4-Dichlorobenzene-d4 | 13.561 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|---------|--------------|------|
| 1    |    |   | trans-Decalin, 2-methyl-            | 152 | C11H20  | 1000152-47-3 | 96   |
| 2    |    |   | Naphthalene, decahydro-2-methyl-    | 152 | C11H20  | 002958-76-1  | 78   |
| 3    |    |   | 1-Methyldecahydronaphthalene        | 152 | C11H20  | 002958-75-0  | 78   |
| 4    |    |   | Bicyclo[3.3.1]nonane-2,7-dione      | 152 | C9H12O2 | 1000210-30-3 | 49   |
| 5    |    |   | Cyclohexanone, 5-methyl-2-(1-met... | 152 | C10H16O | 015932-80-6  | 46   |



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TIC Integration Parameters: LSCINT.P

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |         |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|---------|------|
|                    |        |         |       |          | #                     | RT     | Resp    | Conc |
| trans-Decalin, ... | 14.391 | 5.0     | ug/l  | 177962   | 4                     | 13.561 | 1772490 | 50.0 |