

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD092921\  
 Data File : VD070524.D  
 Acq On : 29 Sep 2021 15:47  
 Operator : VA/SY  
 Sample : M3975-02  
 Misc : 6.89G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 S-837-R-SO-4-4.5-092821

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\82D090821S.M  
 Title : SW846 8260

Signal : TIC: VD070524.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         | 2.491       | 92            | 97          | 105          | rVB      | 31892          | 56099         | 1.81%           | 0.301%        |
| 2         | 4.156       | 372           | 380         | 395          | rVB      | 42143          | 114168        | 3.68%           | 0.612%        |
| 3         | 4.967       | 507           | 518         | 527          | rBV4     | 27073          | 86387         | 2.78%           | 0.463%        |
| 4         | 7.203       | 886           | 898         | 907          | rBV3     | 31269          | 99889         | 3.22%           | 0.536%        |
| 5         | 7.914       | 1009          | 1019        | 1024         | rBV      | 437116         | 1063491       | 34.28%          | 5.705%        |
| 6         | 7.979       | 1024          | 1030        | 1041         | rVB      | 631333         | 1425063       | 45.93%          | 7.644%        |
| 7         | 8.332       | 1079          | 1090        | 1100         | rBV      | 389548         | 890646        | 28.71%          | 4.778%        |
| 8         | 8.861       | 1169          | 1180        | 1195         | rBV      | 1108071        | 2204115       | 71.05%          | 11.823%       |
| 9         | 10.332      | 1422          | 1430        | 1439         | rBV      | 1701435        | 3102370       | 100.00%         | 16.642%       |
| 10        | 11.638      | 1643          | 1652        | 1662         | rBV      | 1475072        | 2543241       | 81.98%          | 13.642%       |
| 11        | 11.832      | 1679          | 1685        | 1689         | rBV8     | 21629          | 47749         | 1.54%           | 0.256%        |
| 12        | 11.885      | 1689          | 1694        | 1697         | rVV2     | 36560          | 71973         | 2.32%           | 0.386%        |
| 13        | 11.920      | 1697          | 1700        | 1707         | rVB5     | 19944          | 36651         | 1.18%           | 0.197%        |
| 14        | 12.073      | 1719          | 1726        | 1731         | rVB5     | 26615          | 47011         | 1.52%           | 0.252%        |
| 15        | 12.144      | 1731          | 1738        | 1746         | rBV7     | 86795          | 249673        | 8.05%           | 1.339%        |
| 16        | 12.261      | 1751          | 1758        | 1762         | rVB      | 100164         | 161404        | 5.20%           | 0.866%        |
| 17        | 12.344      | 1762          | 1772        | 1773         | rBV6     | 62546          | 127040        | 4.09%           | 0.681%        |
| 18        | 12.367      | 1774          | 1776        | 1782         | rVB2     | 77784          | 119693        | 3.86%           | 0.642%        |
| 19        | 12.432      | 1782          | 1787        | 1790         | rBV5     | 17258          | 37321         | 1.20%           | 0.200%        |
| 20        | 12.467      | 1790          | 1793        | 1794         | rVV3     | 27222          | 34062         | 1.10%           | 0.183%        |
| 21        | 12.520      | 1794          | 1802        | 1813         | rVB7     | 70409          | 256811        | 8.28%           | 1.378%        |
| 22        | 12.626      | 1813          | 1820        | 1830         | rBV      | 1348369        | 2352857       | 75.84%          | 12.621%       |
| 23        | 12.714      | 1830          | 1835        | 1843         | rVV9     | 42596          | 100116        | 3.23%           | 0.537%        |
| 24        | 12.785      | 1843          | 1847        | 1854         | rVB5     | 67672          | 143763        | 4.63%           | 0.771%        |
| 25        | 12.867      | 1854          | 1861        | 1865         | rBV6     | 46390          | 103030        | 3.32%           | 0.553%        |
| 26        | 12.949      | 1868          | 1875        | 1880         | rBV5     | 96536          | 207619        | 6.69%           | 1.114%        |
| 27        | 13.002      | 1880          | 1884        | 1888         | rVB4     | 41299          | 68747         | 2.22%           | 0.369%        |
| 28        | 13.043      | 1888          | 1891        | 1895         | rBV3     | 39010          | 56538         | 1.82%           | 0.303%        |
| 29        | 13.085      | 1895          | 1898        | 1902         | rBV5     | 48465          | 67720         | 2.18%           | 0.363%        |
| 30        | 13.138      | 1902          | 1907        | 1910         | rBV3     | 48889          | 79279         | 2.56%           | 0.425%        |
| 31        | 13.173      | 1910          | 1913        | 1921         | rVB3     | 71061          | 109581        | 3.53%           | 0.588%        |
| 32        | 13.302      | 1931          | 1935        | 1939         | rVB4     | 39648          | 59841         | 1.93%           | 0.321%        |
| 33        | 13.455      | 1952          | 1961        | 1964         | rVV7     | 42392          | 103469        | 3.34%           | 0.555%        |
| 34        | 13.491      | 1965          | 1967        | 1973         | rVB6     | 28341          | 44752         | 1.44%           | 0.240%        |
| 35        | 13.561      | 1973          | 1979        | 1994         | rVB      | 1306197        | 2207163       | 71.14%          | 11.840%       |
| 36        | 13.885      | 2029          | 2034        | 2039         | rBV5     | 43456          | 74960         | 2.42%           | 0.402%        |

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ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
S-837-R-SO-4-4.5-092821

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\82D090821S.M  
Title : SW846 8260

|    |        |      |      |      |      |       |       |       |        |
|----|--------|------|------|------|------|-------|-------|-------|--------|
| 37 | 14.085 | 2065 | 2068 | 2076 | rVB3 | 23840 | 43544 | 1.40% | 0.234% |
| 38 | 15.385 | 2282 | 2289 | 2294 | rBV  | 25808 | 44443 | 1.43% | 0.238% |

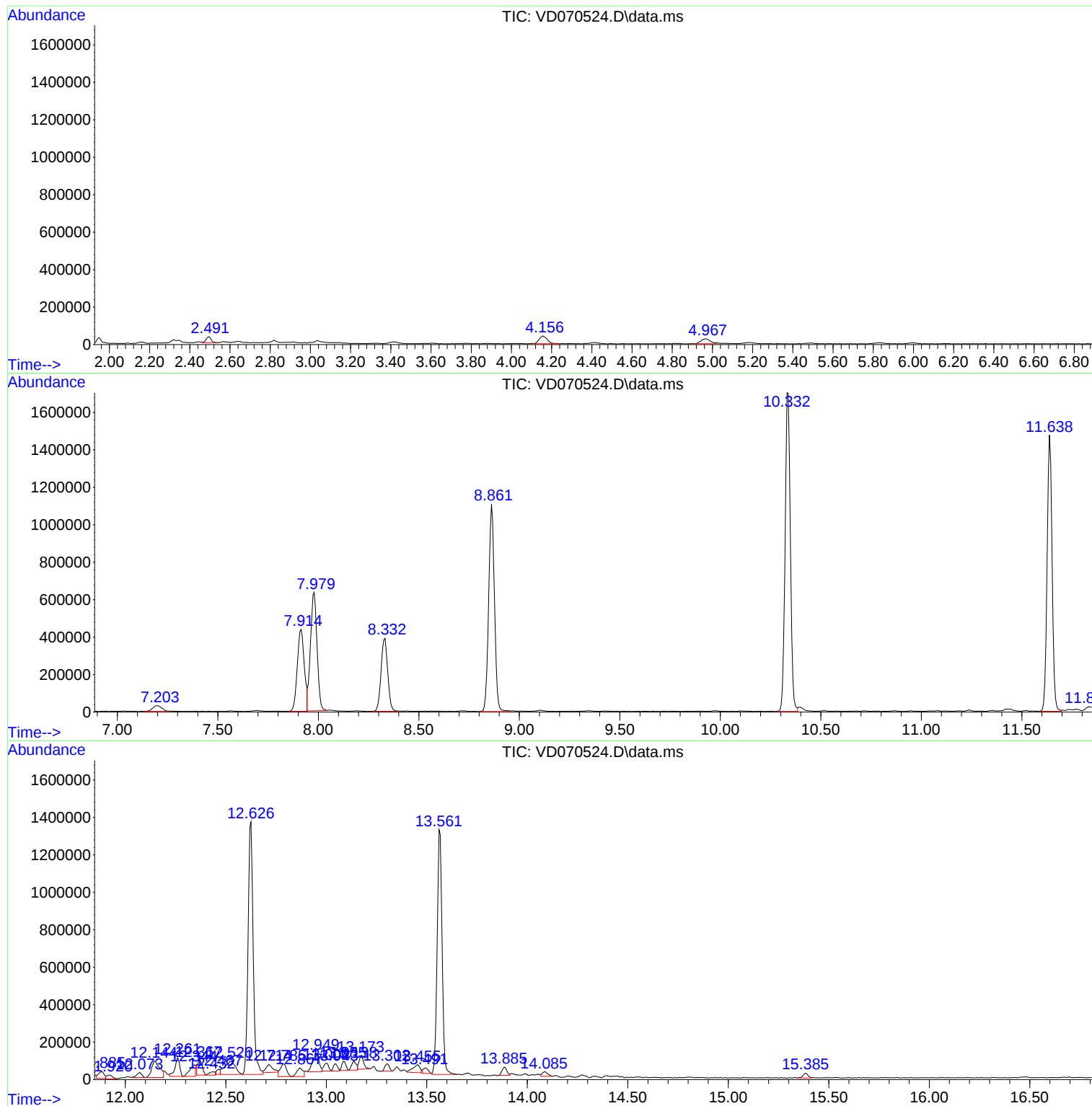
Sum of corrected areas: 18642279

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D090821S.M  
Quant Title : SW846 8260

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



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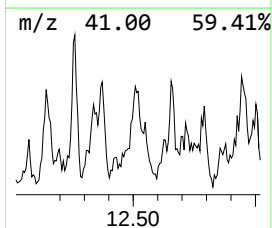
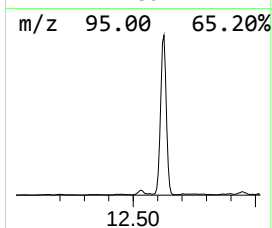
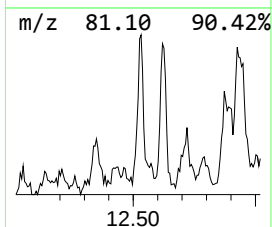
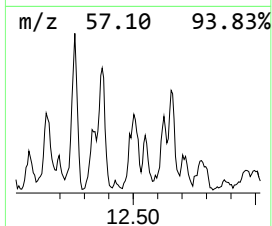
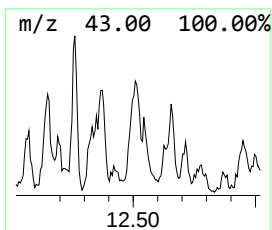
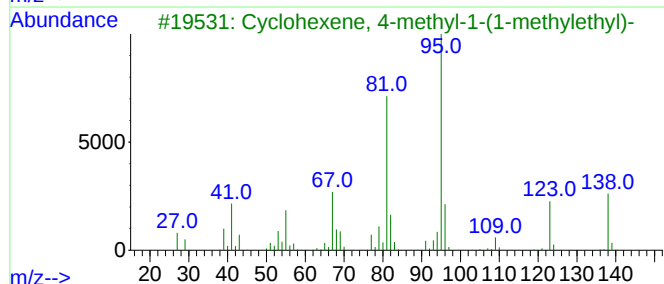
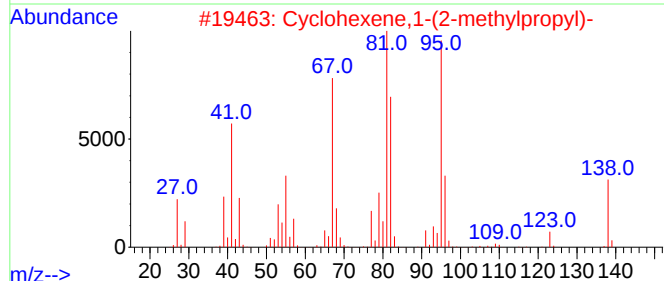
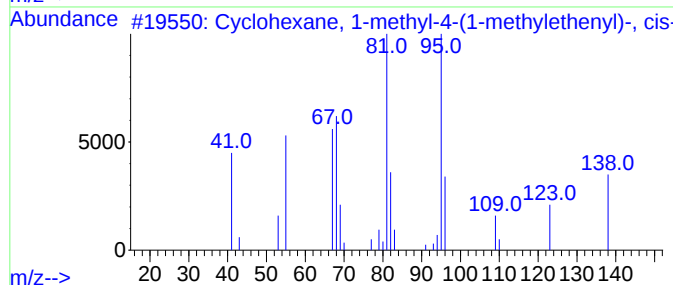
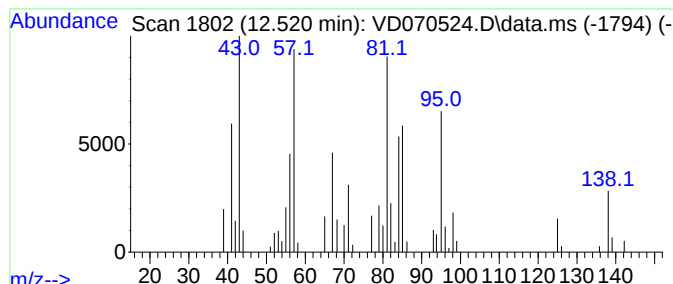
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 unknown12.520 Concentration Rank 1

| R.T.   | EstConc   | Area   | Relative to ISTD | R.T.   |
|--------|-----------|--------|------------------|--------|
| 12.520 | 5.05 ug/l | 256811 | Chlorobenzene-d5 | 11.638 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclohexane, 1-methyl-4-(1-methy... | 138 | C10H18  | 001879-07-8 | 46   |
| 2    |    |   | Cyclohexene,1-(2-methylpropyl)-     | 138 | C10H18  | 003983-03-7 | 46   |
| 3    |    |   | Cyclohexene, 4-methyl-1-(1-methy... | 138 | C10H18  | 000500-00-5 | 43   |
| 4    |    |   | Bicyclo[4.1.0]heptane, 3,7,7-tri... | 138 | C10H18  | 002778-68-9 | 38   |
| 5    |    |   | (2E,4E)-3,7-Dimethylocta-2,4-diene  | 138 | C10H18  | 006874-39-1 | 25   |



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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D090821S.M  
Quant Title : SW846 8260

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

| TIC Top Hit name | RT     | EstConc | Units | Response | --Internal Standard-- |        |         |      |
|------------------|--------|---------|-------|----------|-----------------------|--------|---------|------|
|                  |        |         |       |          | #                     | RT     | Resp    | Conc |
| unknown12.520    | 12.520 | 5.0     | ug/l  | 256811   | 3                     | 11.638 | 2543240 | 50.0 |