

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD060321\  
 Data File : VD069332.D  
 Acq On : 03 Jun 2021 18:35  
 Operator : VA/SY  
 Sample : M2583-01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 39-41S

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\82D060121S.M  
 Title : SW846 8260

Signal : TIC: VD069332.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         | 2.320       | 62            | 68          | 79           | rVB2     | 89432          | 183615        | 1.56%           | 0.264%        |
| 2         | 3.409       | 244           | 253         | 265          | rVB4     | 45260          | 124923        | 1.06%           | 0.179%        |
| 3         | 4.156       | 370           | 380         | 389          | rBV      | 162899         | 475868        | 4.04%           | 0.684%        |
| 4         | 4.432       | 412           | 427         | 442          | rBV2     | 111740         | 376312        | 3.19%           | 0.541%        |
| 5         | 7.732       | 976           | 988         | 1000         | rVB4     | 68276          | 204680        | 1.74%           | 0.294%        |
| 6         | 7.961       | 1008          | 1027        | 1037         | rBV3     | 1073582        | 3561747       | 30.22%          | 5.117%        |
| 7         | 8.061       | 1037          | 1044        | 1056         | rVV      | 289281         | 731072        | 6.20%           | 1.050%        |
| 8         | 8.185       | 1056          | 1065        | 1082         | rVV      | 1156139        | 2760241       | 23.42%          | 3.965%        |
| 9         | 8.332       | 1082          | 1090        | 1100         | rVV2     | 215922         | 516327        | 4.38%           | 0.742%        |
| 10        | 8.450       | 1100          | 1110        | 1119         | rVV3     | 142342         | 392511        | 3.33%           | 0.564%        |
| 11        | 8.532       | 1119          | 1124        | 1130         | rVV3     | 56576          | 131763        | 1.12%           | 0.189%        |
| 12        | 8.602       | 1130          | 1136        | 1145         | rVB3     | 72105          | 164071        | 1.39%           | 0.236%        |
| 13        | 8.720       | 1147          | 1156        | 1169         | rBV      | 681276         | 1343982       | 11.40%          | 1.931%        |
| 14        | 8.867       | 1172          | 1181        | 1193         | rVV      | 606681         | 1230609       | 10.44%          | 1.768%        |
| 15        | 9.355       | 1258          | 1264        | 1270         | rVB2     | 78727          | 153179        | 1.30%           | 0.220%        |
| 16        | 10.226      | 1405          | 1412        | 1422         | rBV      | 142376         | 269255        | 2.28%           | 0.387%        |
| 17        | 10.338      | 1422          | 1431        | 1436         | rVV      | 936257         | 1727885       | 14.66%          | 2.482%        |
| 18        | 10.402      | 1436          | 1442        | 1456         | rVV      | 4459054        | 8026053       | 68.09%          | 11.530%       |
| 19        | 10.520      | 1456          | 1462        | 1468         | rVB2     | 109410         | 192459        | 1.63%           | 0.276%        |
| 20        | 11.426      | 1607          | 1616        | 1627         | rVB4     | 88368          | 263660        | 2.24%           | 0.379%        |
| 21        | 11.526      | 1627          | 1633        | 1640         | rBV2     | 74652          | 126873        | 1.08%           | 0.182%        |
| 22        | 11.643      | 1644          | 1653        | 1659         | rBV      | 824182         | 1425927       | 12.10%          | 2.048%        |
| 23        | 11.743      | 1664          | 1670        | 1679         | rBV      | 257520         | 463582        | 3.93%           | 0.666%        |
| 24        | 11.849      | 1679          | 1688        | 1699         | rBV2     | 1515951        | 2919231       | 24.77%          | 4.194%        |
| 25        | 12.179      | 1732          | 1744        | 1752         | rBV2     | 734808         | 1574997       | 13.36%          | 2.263%        |
| 26        | 12.261      | 1752          | 1758        | 1763         | rVB5     | 66573          | 148006        | 1.26%           | 0.213%        |
| 27        | 12.343      | 1763          | 1772        | 1775         | rBV7     | 48497          | 129904        | 1.10%           | 0.187%        |
| 28        | 12.396      | 1775          | 1781        | 1788         | rVB4     | 63392          | 134191        | 1.14%           | 0.193%        |
| 29        | 12.485      | 1789          | 1796        | 1803         | rBV      | 387276         | 737294        | 6.26%           | 1.059%        |
| 30        | 12.626      | 1815          | 1820        | 1831         | rVB      | 663141         | 1159714       | 9.84%           | 1.666%        |
| 31        | 12.879      | 1857          | 1863        | 1867         | rBV      | 125080         | 234211        | 1.99%           | 0.336%        |
| 32        | 12.943      | 1869          | 1874        | 1882         | rVV4     | 690033         | 1288361       | 10.93%          | 1.851%        |
| 33        | 13.043      | 1886          | 1891        | 1896         | rVB3     | 210700         | 361708        | 3.07%           | 0.520%        |
| 34        | 13.114      | 1896          | 1903        | 1910         | rBV      | 71780          | 167590        | 1.42%           | 0.241%        |
| 35        | 13.261      | 1922          | 1928        | 1933         | rBV      | 318098         | 532244        | 4.52%           | 0.765%        |
| 36        | 13.373      | 1943          | 1947        | 1953         | rVB4     | 105690         | 182034        | 1.54%           | 0.261%        |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD060321\  
 Data File : VD069332.D  
 Acq On : 03 Jun 2021 18:35  
 Operator : VA/SY  
 Sample : M2583-01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 39-41S

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\82D060121S.M  
 Title : SW846 8260

|    |        |      |      |      |      |         |          |         |         |
|----|--------|------|------|------|------|---------|----------|---------|---------|
| 37 | 13.479 | 1957 | 1965 | 1975 | rBV  | 7271622 | 11787146 | 100.00% | 16.933% |
| 38 | 13.567 | 1975 | 1980 | 1988 | rVV2 | 742948  | 1312765  | 11.14%  | 1.886%  |
| 39 | 13.661 | 1988 | 1996 | 2002 | rVB  | 809725  | 1332389  | 11.30%  | 1.914%  |
| 40 | 13.726 | 2003 | 2007 | 2011 | rBV4 | 111257  | 151828   | 1.29%   | 0.218%  |
| 41 | 13.802 | 2017 | 2020 | 2029 | rVB3 | 87958   | 150633   | 1.28%   | 0.216%  |
| 42 | 13.890 | 2029 | 2035 | 2040 | rBV  | 474033  | 707613   | 6.00%   | 1.017%  |
| 43 | 14.014 | 2049 | 2056 | 2067 | rBV2 | 1018036 | 1740644  | 14.77%  | 2.500%  |
| 44 | 14.243 | 2086 | 2095 | 2101 | rBV5 | 214114  | 694182   | 5.89%   | 0.997%  |
| 45 | 14.314 | 2101 | 2107 | 2115 | rVV  | 1021117 | 1688889  | 14.33%  | 2.426%  |
| 46 | 14.420 | 2120 | 2125 | 2130 | rBV3 | 326864  | 553610   | 4.70%   | 0.795%  |
| 47 | 14.526 | 2138 | 2143 | 2145 | rBV  | 486574  | 720131   | 6.11%   | 1.034%  |
| 48 | 14.561 | 2145 | 2149 | 2165 | rVB2 | 1450363 | 4067179  | 34.51%  | 5.843%  |
| 49 | 14.679 | 2165 | 2169 | 2175 | rVB2 | 258455  | 386362   | 3.28%   | 0.555%  |
| 50 | 14.737 | 2175 | 2179 | 2186 | rVB2 | 253751  | 413252   | 3.51%   | 0.594%  |
| 51 | 14.808 | 2186 | 2191 | 2195 | rBV4 | 89188   | 178532   | 1.51%   | 0.256%  |
| 52 | 14.861 | 2195 | 2200 | 2201 | rBV  | 238617  | 315534   | 2.68%   | 0.453%  |
| 53 | 14.884 | 2201 | 2204 | 2211 | rVB2 | 382013  | 638835   | 5.42%   | 0.918%  |
| 54 | 14.996 | 2213 | 2223 | 2225 | rBV6 | 298547  | 716100   | 6.08%   | 1.029%  |
| 55 | 15.032 | 2225 | 2229 | 2231 | rBV3 | 243798  | 330481   | 2.80%   | 0.475%  |
| 56 | 15.102 | 2237 | 2241 | 2248 | rVB2 | 497301  | 1201900  | 10.20%  | 1.727%  |
| 57 | 15.179 | 2248 | 2254 | 2260 | rBV4 | 468768  | 1236850  | 10.49%  | 1.777%  |
| 58 | 15.232 | 2261 | 2263 | 2268 | rVB3 | 403086  | 514755   | 4.37%   | 0.739%  |
| 59 | 15.279 | 2268 | 2271 | 2275 | rBV3 | 213148  | 401622   | 3.41%   | 0.577%  |
| 60 | 15.332 | 2277 | 2280 | 2283 | rVV  | 141307  | 178342   | 1.51%   | 0.256%  |
| 61 | 15.402 | 2288 | 2292 | 2306 | rVB2 | 759849  | 1830283  | 15.53%  | 2.629%  |
| 62 | 15.584 | 2319 | 2323 | 2333 | rVB  | 171357  | 288428   | 2.45%   | 0.414%  |
| 63 | 15.767 | 2347 | 2354 | 2365 | rBV  | 628780  | 1169095  | 9.92%   | 1.679%  |
| 64 | 16.079 | 2402 | 2407 | 2411 | rVB5 | 67165   | 120852   | 1.03%   | 0.174%  |
| 65 | 16.137 | 2411 | 2417 | 2422 | rBV3 | 93699   | 157964   | 1.34%   | 0.227%  |
| 66 | 16.343 | 2447 | 2452 | 2459 | rVB3 | 105987  | 209979   | 1.78%   | 0.302%  |

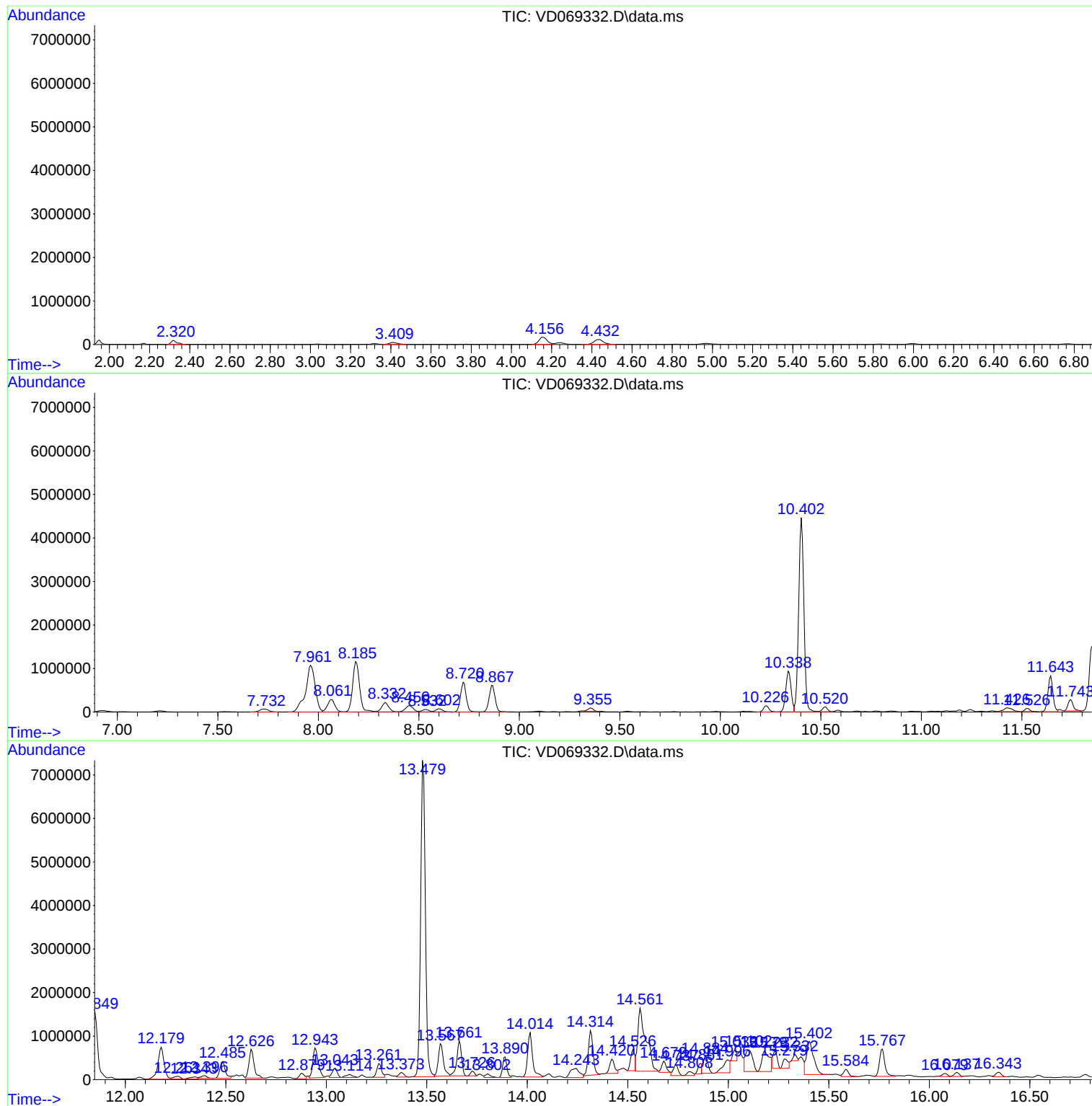
Sum of corrected areas: 69612254

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD060321\  
Data File : VD069332.D  
Acq On : 03 Jun 2021 18:35  
Operator : VA/SY  
Sample : M2583-01  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
39-41S

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D060121S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD060321\  
Data File : VD069332.D  
Acq On : 03 Jun 2021 18:35  
Operator : VA/SY  
Sample : M2583-01  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
39-41S

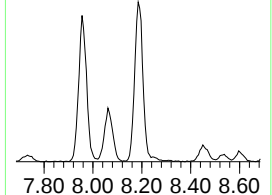
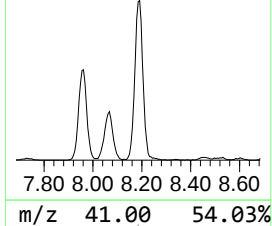
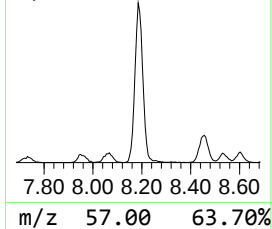
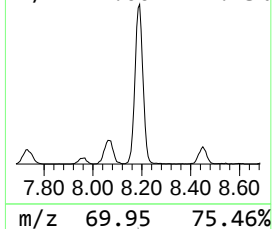
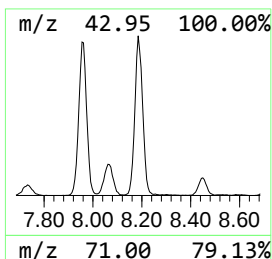
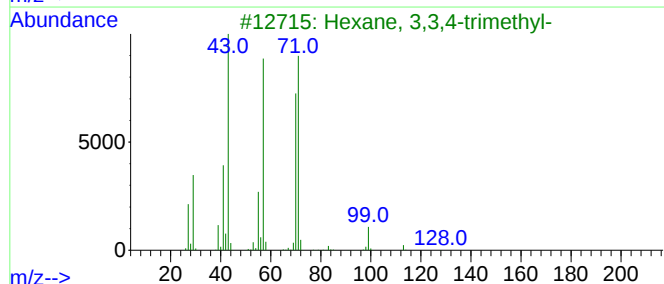
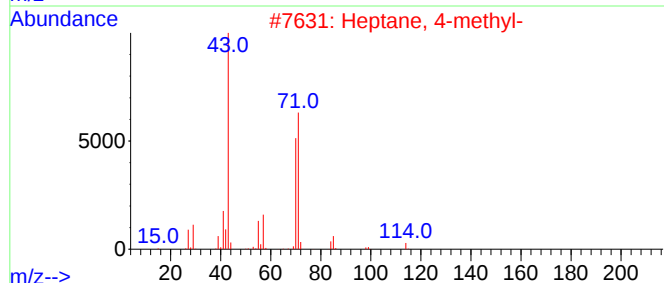
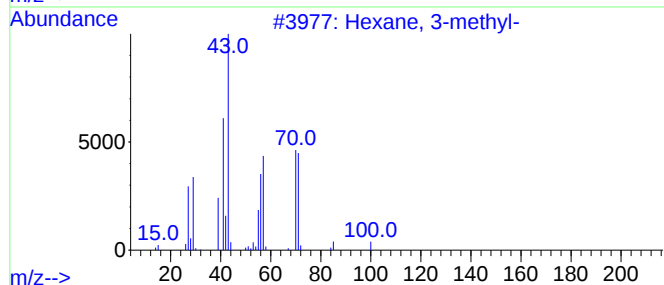
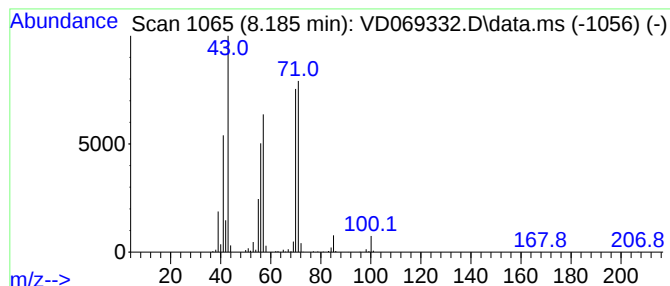
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D060121S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 Hexane, 3-methyl- Concentration Rank 10

| R.T.  | EstConc    | Area    | Relative to ISTD   | R.T.  |
|-------|------------|---------|--------------------|-------|
| 8.185 | 38.75 ug/l | 2760240 | Pentafluorobenzene | 7.979 |

| Hit# | of | 5 | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------|-----|---------|-------------|------|
| 1    |    |   | Hexane, 3-methyl-        | 100 | C7H16   | 000589-34-4 | 95   |
| 2    |    |   | Heptane, 4-methyl-       | 114 | C8H18   | 000589-53-7 | 64   |
| 3    |    |   | Hexane, 3,3,4-trimethyl- | 128 | C9H20   | 016747-31-2 | 64   |
| 4    |    |   | Decane, 3,3,4-trimethyl- | 184 | C13H28  | 049622-18-6 | 64   |
| 5    |    |   | Pentane, 3-ethyl-        | 100 | C7H16   | 000617-78-7 | 59   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD060321\  
Data File : VD069332.D  
Acq On : 03 Jun 2021 18:35  
Operator : VA/SY  
Sample : M2583-01  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
39-41S

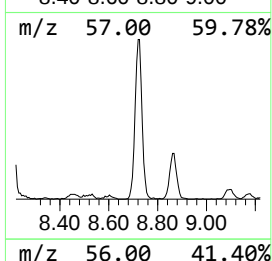
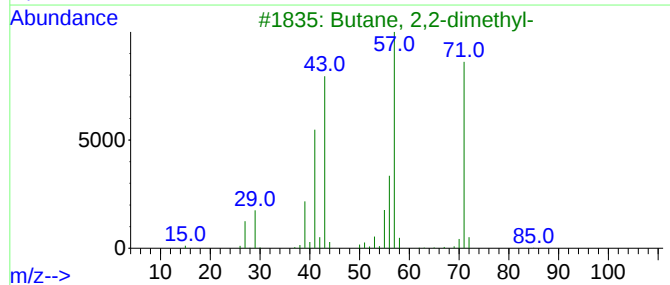
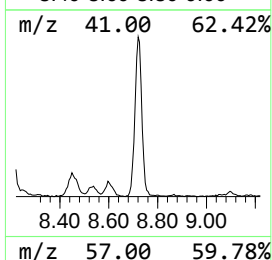
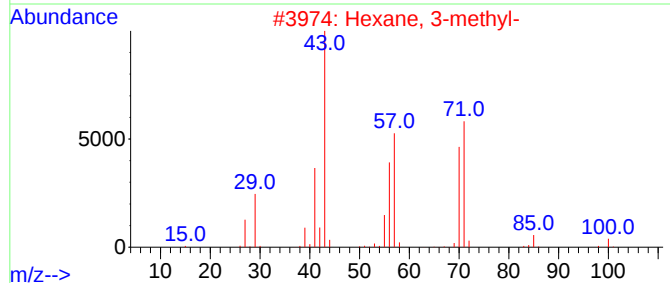
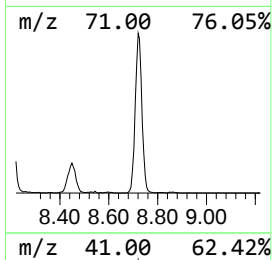
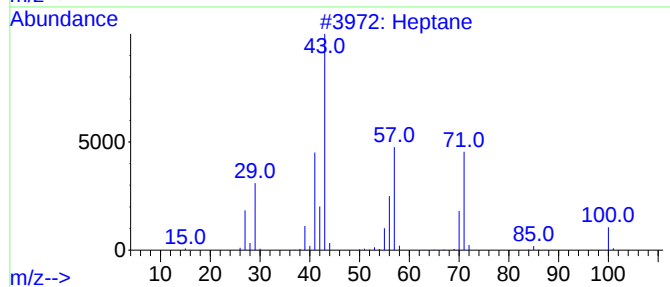
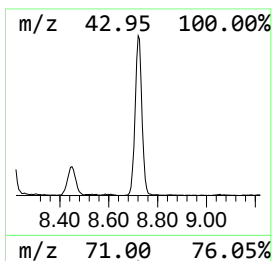
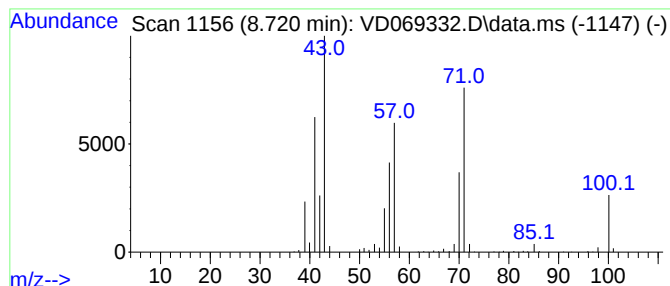
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D060121S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 Heptane Concentration Rank 5

| R.T.  | EstConc    | Area    | Relative to ISTD    | R.T.  |
|-------|------------|---------|---------------------|-------|
| 8.720 | 54.61 ug/l | 1343980 | 1,4-Difluorobenzene | 8.867 |

| Hit# | of | 5 | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------|-----|---------|-------------|------|
| 1    |    |   | Heptane                       | 100 | C7H16   | 000142-82-5 | 83   |
| 2    |    |   | Hexane, 3-methyl-             | 100 | C7H16   | 000589-34-4 | 59   |
| 3    |    |   | Butane, 2,2-dimethyl-         | 86  | C6H14   | 000075-83-2 | 43   |
| 4    |    |   | Pentane, 2,3,4-trimethyl-     | 114 | C8H18   | 000565-75-3 | 40   |
| 5    |    |   | Acetaldehyde, propylhydrazone | 100 | C5H12N2 | 007422-88-0 | 38   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD060321\  
Data File : VD069332.D  
Acq On : 03 Jun 2021 18:35  
Operator : VA/SY  
Sample : M2583-01  
Misc : 5.00G/5.00ml/MSVOA\_D/SoIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
39-41S

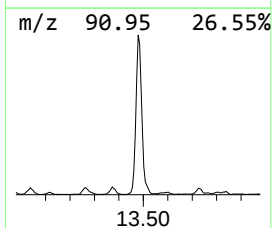
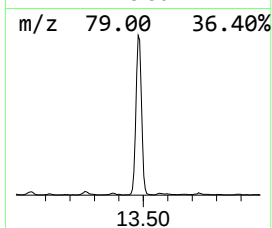
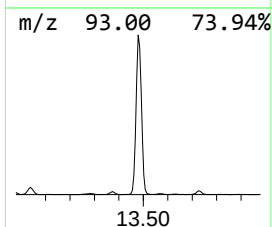
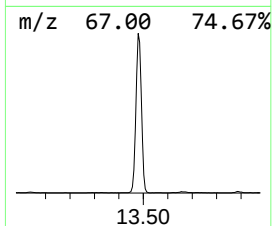
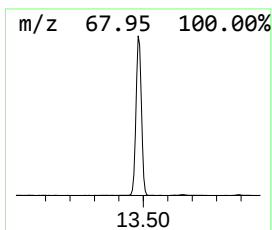
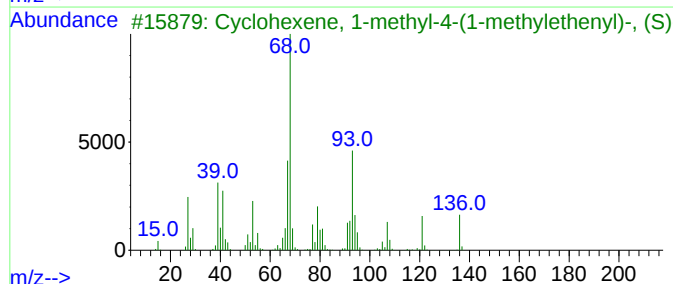
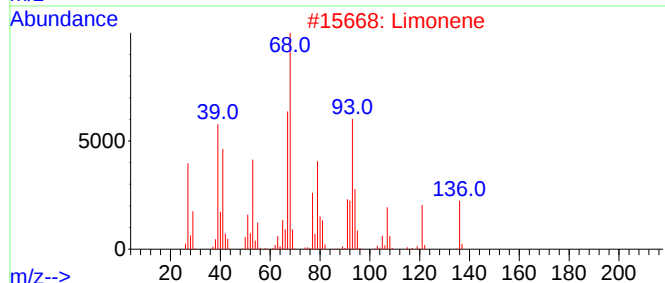
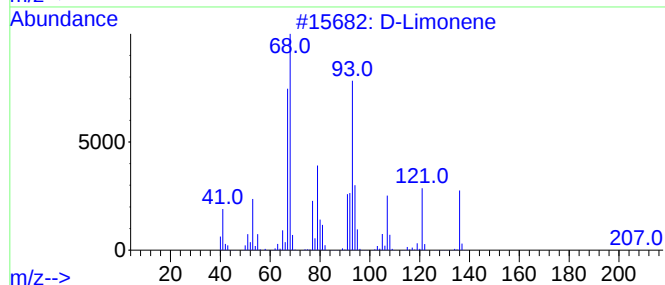
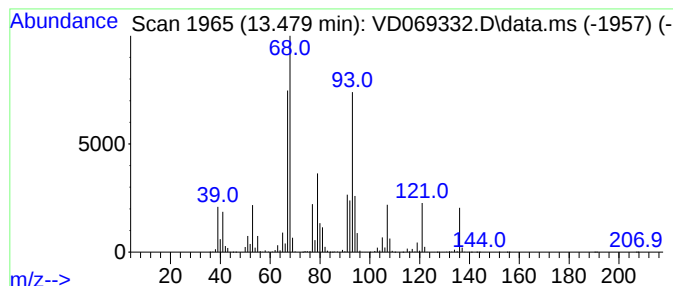
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D060121S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 D-Limonene Concentration Rank 1

| R.T.   | EstConc     | Area     | Relative to ISTD       | R.T.   |
|--------|-------------|----------|------------------------|--------|
| 13.479 | 448.94 ug/l | 11787100 | 1,4-Dichlorobenzene-d4 | 13.567 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | D-Limonene                          | 136 | C10H16  | 005989-27-5 | 98   |
| 2    |    |   | Limonene                            | 136 | C10H16  | 000138-86-3 | 94   |
| 3    |    |   | Cyclohexene, 1-methyl-4-(1-methy... | 136 | C10H16  | 005989-54-8 | 81   |
| 4    |    |   | Cyclohexene, 4-ethenyl-1,4-dimet... | 136 | C10H16  | 001743-61-9 | 70   |
| 5    |    |   | Cyclohexene, 1-methyl-5-(1-methy... | 136 | C10H16  | 001461-27-4 | 49   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD060321\  
Data File : VD069332.D  
Acq On : 03 Jun 2021 18:35  
Operator : VA/SY  
Sample : M2583-01  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
39-41S

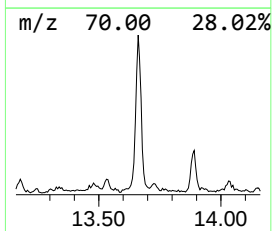
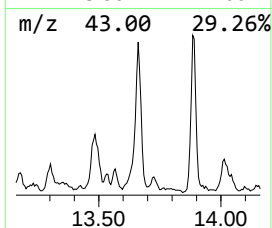
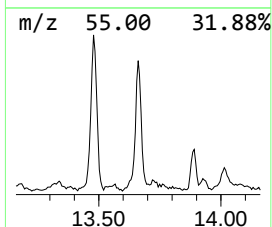
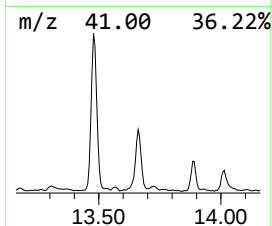
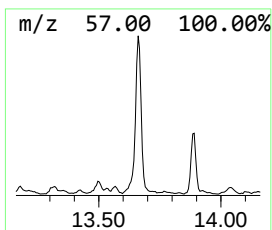
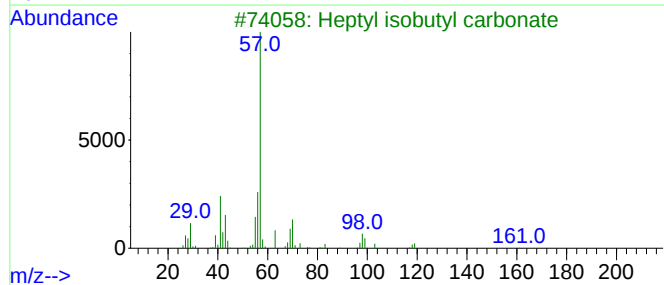
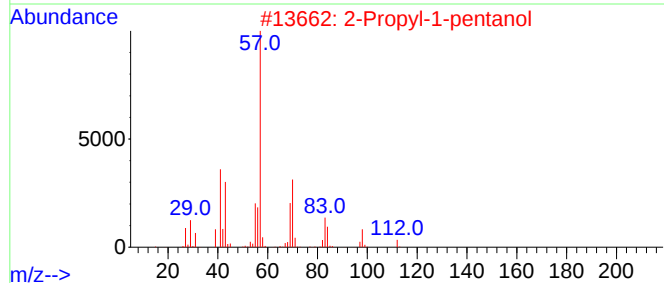
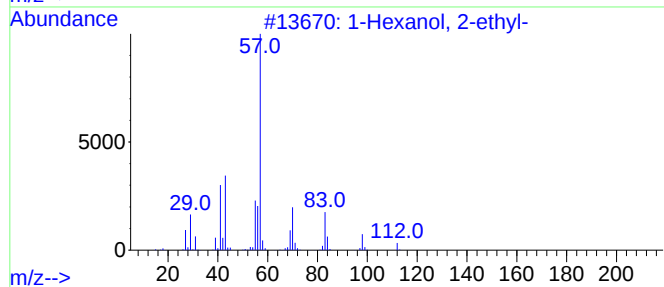
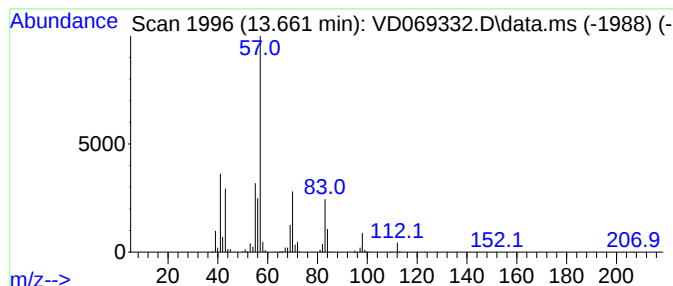
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D060121S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 1-Hexanol, 2-ethyl- Concentration Rank 6

| R.T.   | EstConc    | Area    | Relative to ISTD       | R.T.   |
|--------|------------|---------|------------------------|--------|
| 13.661 | 50.75 ug/l | 1332390 | 1,4-Dichlorobenzene-d4 | 13.567 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | 1-Hexanol, 2-ethyl-                 | 130 | C8H18O   | 000104-76-7  | 78   |
| 2    |    |   | 2-Propyl-1-pentanol                 | 130 | C8H18O   | 058175-57-8  | 50   |
| 3    |    |   | Heptyl isobutyl carbonate           | 216 | C12H24O3 | 959068-08-7  | 43   |
| 4    |    |   | Heptane, 1,1'-oxybis-               | 214 | C14H30O  | 000629-64-1  | 43   |
| 5    |    |   | Carbonic acid, isobutyl 2-ethylh... | 230 | C13H26O3 | 1000357-82-9 | 42   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD060321\  
Data File : VD069332.D  
Acq On : 03 Jun 2021 18:35  
Operator : VA/SY  
Sample : M2583-01  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
39-41S

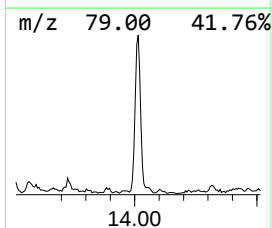
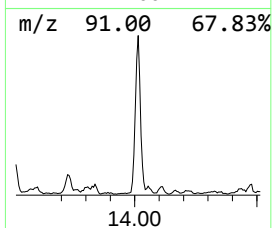
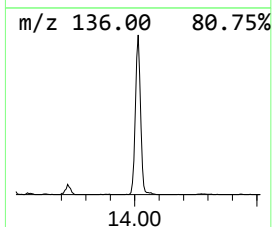
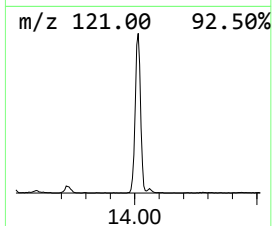
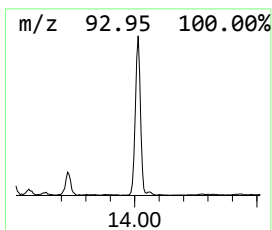
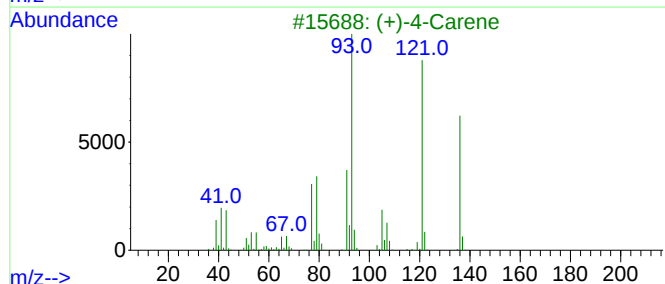
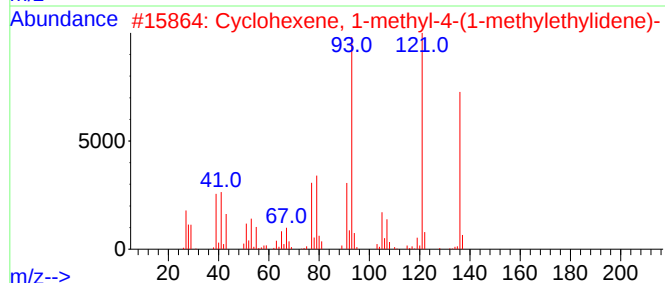
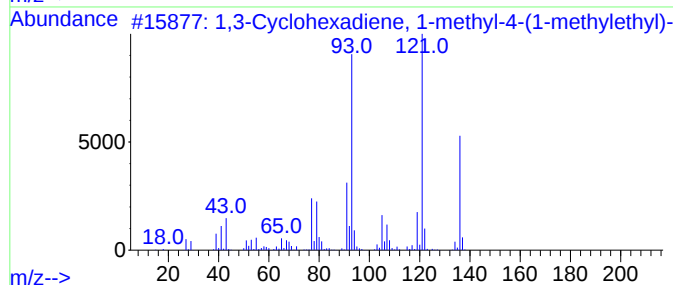
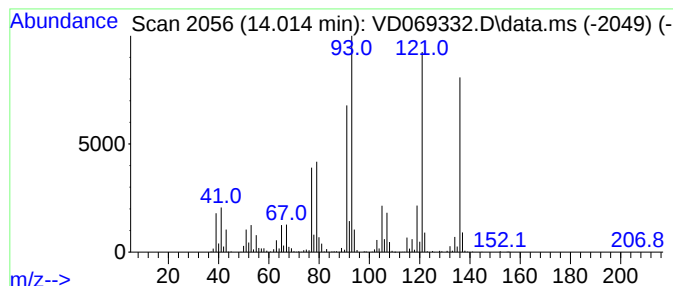
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D060121S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 5 1,3-Cyclohexadiene, 1-methyl... Concentration Rank 3

| R.T.      | EstConc                              | Area    | Relative to ISTD       | R.T.        |      |
|-----------|--------------------------------------|---------|------------------------|-------------|------|
| 14.014    | 66.30 ug/l                           | 1740640 | 1,4-Dichlorobenzene-d4 | 13.567      |      |
| Hit# of 5 | Tentative ID                         | MW      | MolForm                | CAS#        | Qual |
| 1         | 1,3-Cyclohexadiene, 1-methyl-4-(...  | 136     | C10H16                 | 000099-86-5 | 97   |
| 2         | Cyclohexene, 1-methyl-4-(1-methyl... | 136     | C10H16                 | 000586-62-9 | 96   |
| 3         | (+)-4-Carene                         | 136     | C10H16                 | 029050-33-7 | 96   |
| 4         | 2-Carene                             | 136     | C10H16                 | 000554-61-0 | 95   |
| 5         | 3-Carene                             | 136     | C10H16                 | 013466-78-9 | 91   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD060321\  
Data File : VD069332.D  
Acq On : 03 Jun 2021 18:35  
Operator : VA/SY  
Sample : M2583-01  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
39-41S

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D060121S.M  
Quant Title : SW846 8260

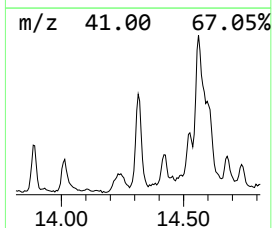
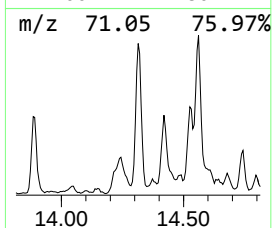
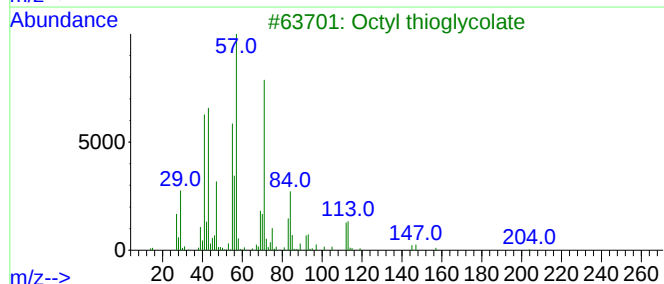
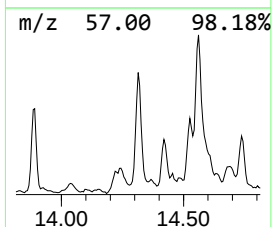
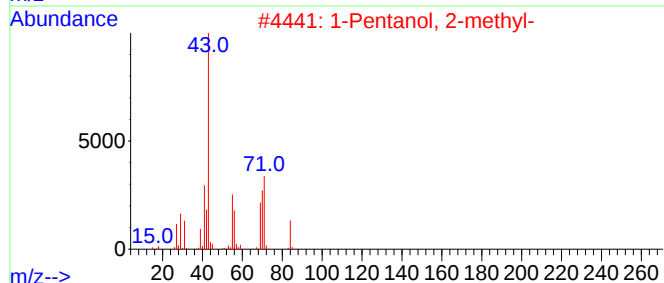
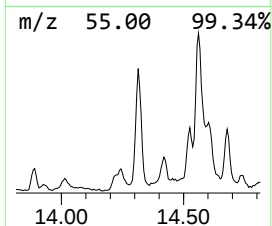
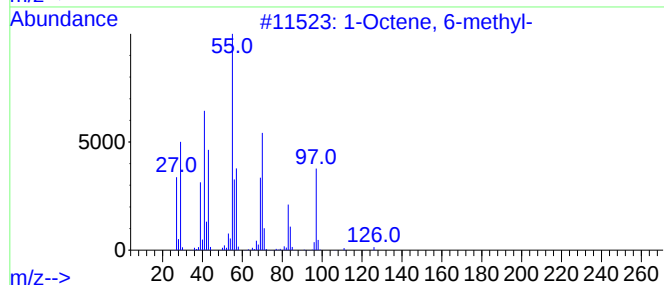
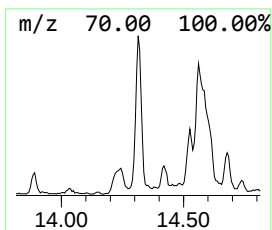
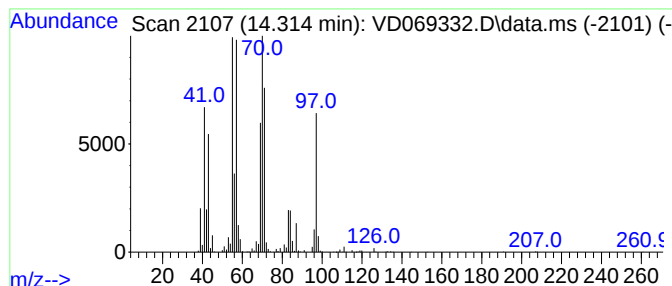
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 6 unknown14.314 Concentration Rank 4

| R.T.   | EstConc    | Area    | Relative to ISTD       | R.T.   |
|--------|------------|---------|------------------------|--------|
| 14.314 | 64.33 ug/l | 1688890 | 1,4-Dichlorobenzene-d4 | 13.567 |

| Hit# | of | 5 | Tentative ID          | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-----------------------|-----|-----------|--------------|------|
| 1    |    |   | 1-Octene, 6-methyl-   | 126 | C9H18     | 013151-10-5  | 43   |
| 2    |    |   | 1-Pentanol, 2-methyl- | 102 | C6H14O    | 000105-30-6  | 38   |
| 3    |    |   | Octyl thioglycolate   | 204 | C10H20O2S | 007664-80-4  | 38   |
| 4    |    |   | 1-Heptene, 5-methyl-  | 112 | C8H16     | 013151-04-7  | 38   |
| 5    |    |   | 4-Undecene, 6-methyl- | 168 | C12H24    | 1000061-85-4 | 35   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD060321\  
Data File : VD069332.D  
Acq On : 03 Jun 2021 18:35  
Operator : VA/SY  
Sample : M2583-01  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
39-41S

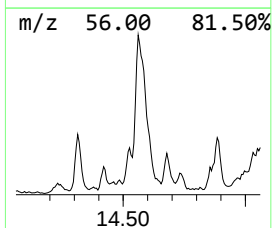
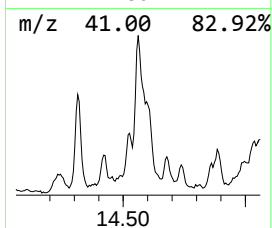
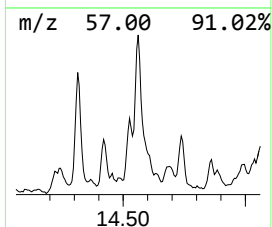
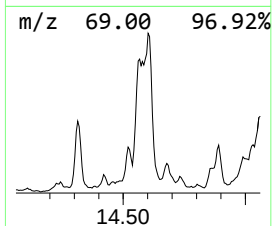
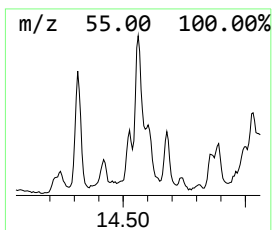
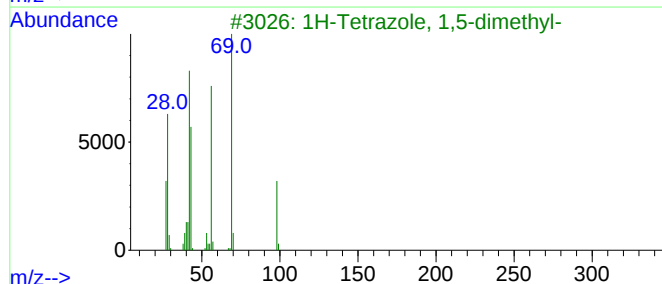
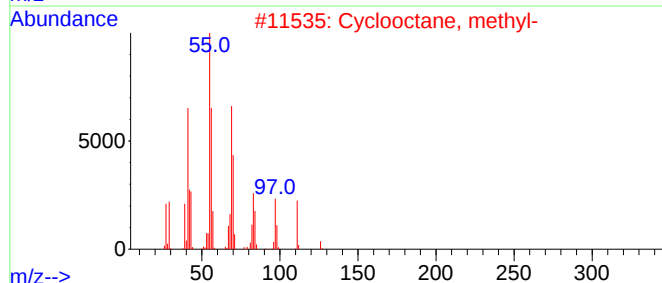
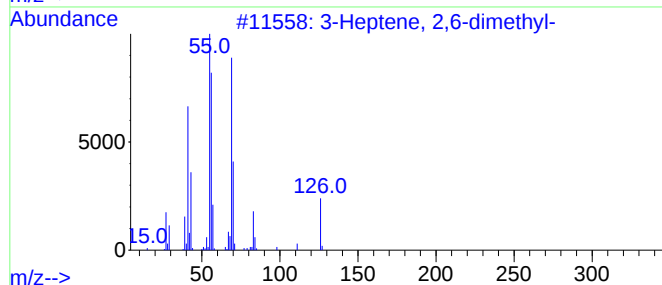
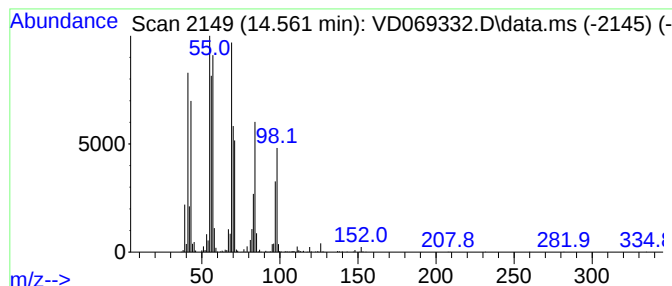
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D060121S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 3-Heptene, 2,6-dimethyl- Concentration Rank 2

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 14.561 | 154.91 ug/l | 4067180 | 1,4-Dichlorobenzene-d4 | 13.567 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | 3-Heptene, 2,6-dimethyl-    | 126 | C9H18   | 002738-18-3 | 53   |
| 2    |    |   | Cyclooctane, methyl-        | 126 | C9H18   | 001502-38-1 | 45   |
| 3    |    |   | 1H-Tetrazole, 1,5-dimethyl- | 98  | C3H6N4  | 005144-11-6 | 43   |
| 4    |    |   | Cyclopentanone, 3-methyl-   | 98  | C6H10O  | 001757-42-2 | 43   |
| 5    |    |   | 1-Octene, 3-methyl-         | 126 | C9H18   | 013151-08-1 | 35   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD060321\  
Data File : VD069332.D  
Acq On : 03 Jun 2021 18:35  
Operator : VA/SY  
Sample : M2583-01  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
39-41S

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D060121S.M  
Quant Title : SW846 8260

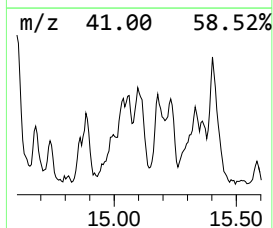
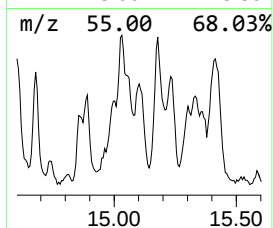
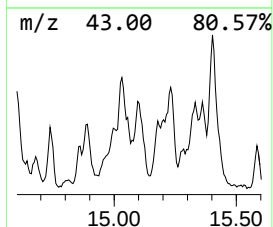
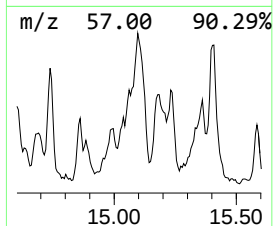
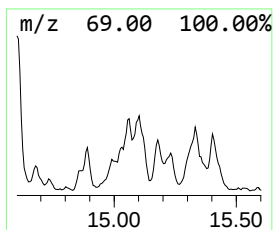
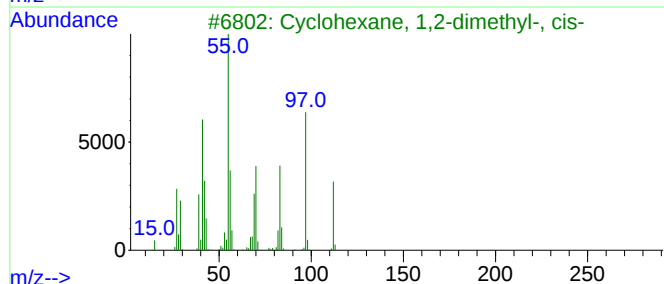
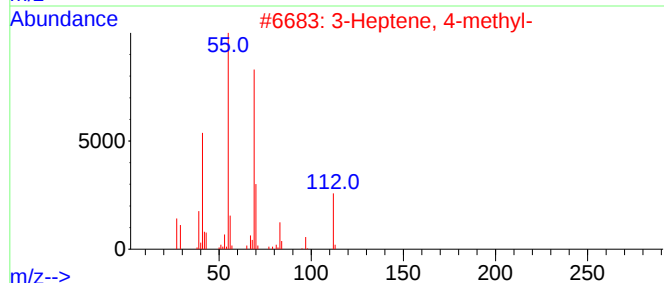
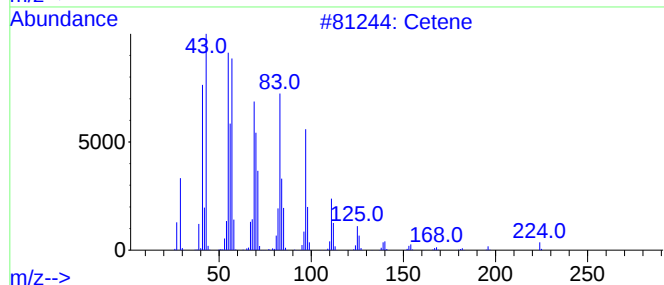
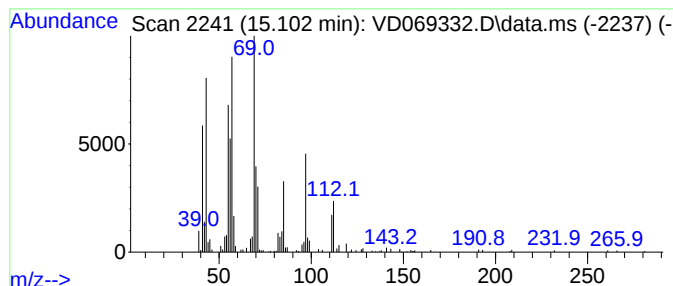
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 8 unknown15.102 Concentration Rank 8

| R.T.   | EstConc    | Area    | Relative to ISTD       | R.T.   |
|--------|------------|---------|------------------------|--------|
| 15.102 | 45.78 ug/l | 1201900 | 1,4-Dichlorobenzene-d4 | 13.567 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cetene                           | 224 | C16H32  | 000629-73-2 | 47   |
| 2    |    |   | 3-Heptene, 4-methyl-             | 112 | C8H16   | 004485-16-9 | 43   |
| 3    |    |   | Cyclohexane, 1,2-dimethyl-, cis- | 112 | C8H16   | 002207-01-4 | 38   |
| 4    |    |   | 2-Octene, (E)-                   | 112 | C8H16   | 013389-42-9 | 30   |
| 5    |    |   | 2-Octene, (Z)-                   | 112 | C8H16   | 007642-04-8 | 30   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD060321\  
Data File : VD069332.D  
Acq On : 03 Jun 2021 18:35  
Operator : VA/SY  
Sample : M2583-01  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
39-41S

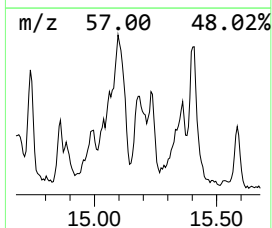
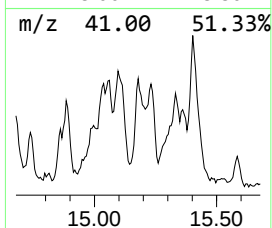
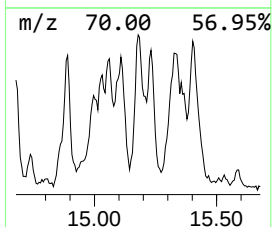
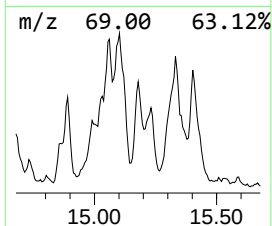
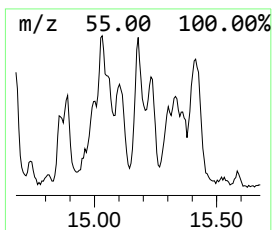
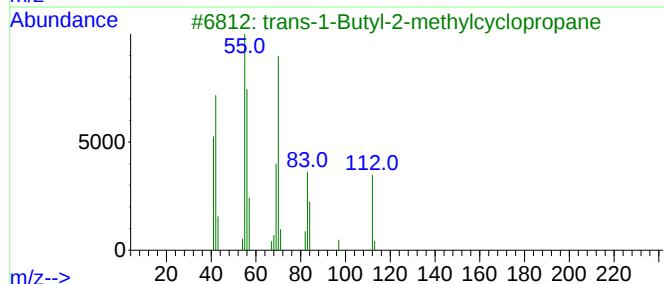
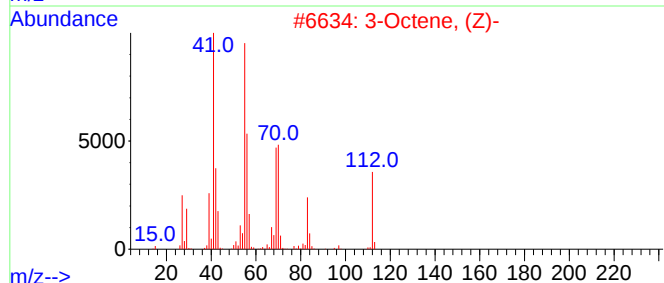
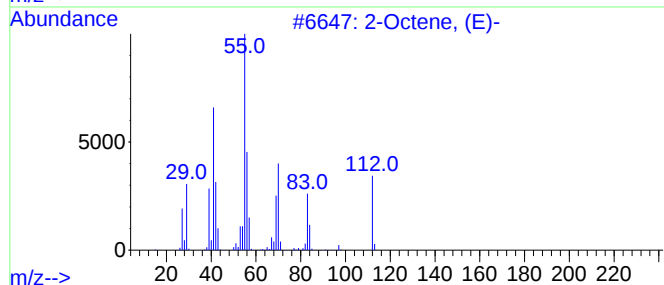
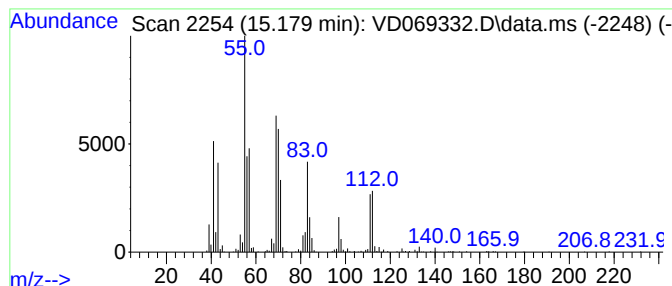
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D060121S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 2-Octene, (E)- Concentration Rank 7

| R.T.   | EstConc    | Area    | Relative to ISTD       | R.T.   |
|--------|------------|---------|------------------------|--------|
| 15.179 | 47.11 ug/l | 1236850 | 1,4-Dichlorobenzene-d4 | 13.567 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 2-Octene, (E)-                      | 112 | C8H16   | 013389-42-9 | 64   |
| 2    |    |   | 3-Octene, (Z)-                      | 112 | C8H16   | 014850-22-7 | 52   |
| 3    |    |   | trans-1-Butyl-2-methylcyclopropane  | 112 | C8H16   | 038851-70-6 | 52   |
| 4    |    |   | cis-1-Butyl-2-methylcyclopropane    | 112 | C8H16   | 038851-69-3 | 52   |
| 5    |    |   | Cyclohexane, 1,2-dimethyl- (cis/... | 112 | C8H16   | 000583-57-3 | 49   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD060321\  
Data File : VD069332.D  
Acq On : 03 Jun 2021 18:35  
Operator : VA/SY  
Sample : M2583-01  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
39-41S

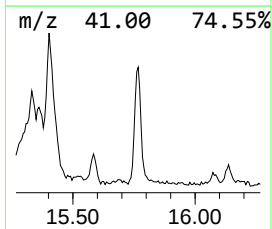
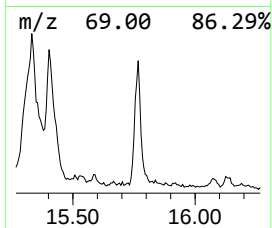
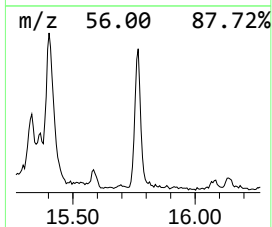
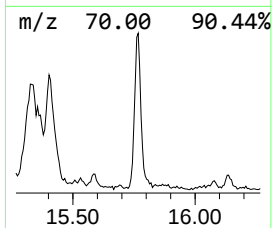
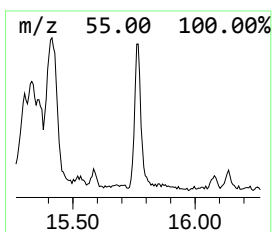
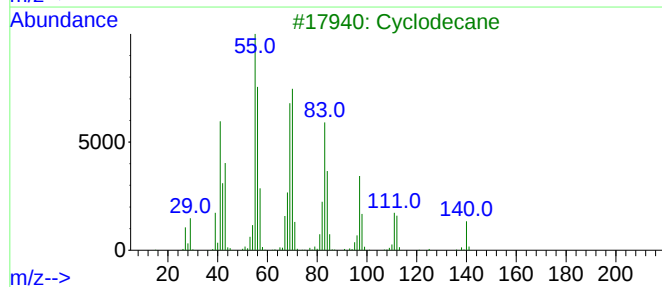
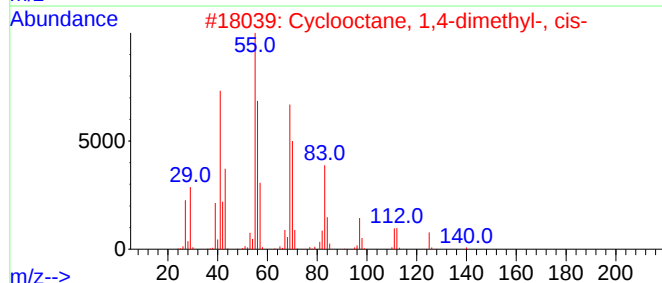
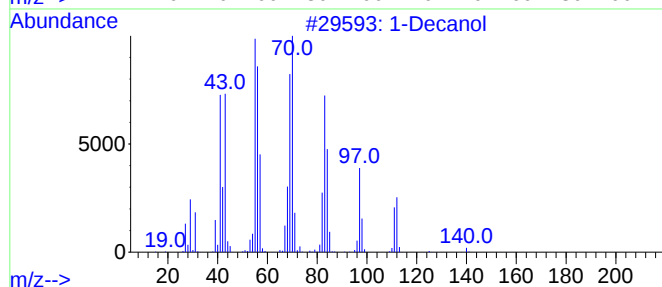
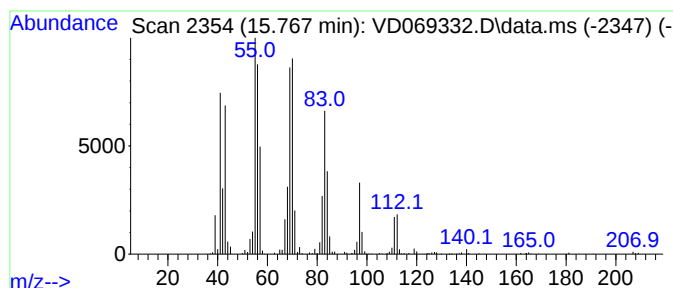
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D060121S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 10 1-Decanol Concentration Rank 9

| R.T.   | EstConc    | Area    | Relative to ISTD       | R.T.   |
|--------|------------|---------|------------------------|--------|
| 15.767 | 44.53 ug/l | 1169100 | 1,4-Dichlorobenzene-d4 | 13.567 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------------|-----|---------|-------------|------|
| 1    |    |   | 1-Decanol                        | 158 | C10H22O | 000112-30-1 | 91   |
| 2    |    |   | Cyclooctane, 1,4-dimethyl-, cis- | 140 | C10H20  | 013151-99-0 | 90   |
| 3    |    |   | Cyclodecane                      | 140 | C10H20  | 000293-96-9 | 89   |
| 4    |    |   | Cyclooctane                      | 112 | C8H16   | 000292-64-8 | 87   |
| 5    |    |   | Cyclopropane, 1-ethyl-2-heptyl-  | 168 | C12H24  | 074663-86-8 | 86   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD060321\  
Data File : VD069332.D  
Acq On : 03 Jun 2021 18:35  
Operator : VA/SY  
Sample : M2583-01  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
39-41S

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D060121S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |         |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|---------|------|
|                    |        |         |       |          | #                     | RT     | Resp    | Conc |
| Hexane, 3-methyl-  | 8.185  | 38.8    | ug/l  | 2760240  | 1                     | 7.979  | 3561750 | 50.0 |
| Heptane            | 8.720  | 54.6    | ug/l  | 1343980  | 2                     | 8.867  | 1230610 | 50.0 |
| D-Limonene         | 13.479 | 448.9   | ug/l  | 11787100 | 4                     | 13.567 | 1312770 | 50.0 |
| 1-Hexanol, 2-et... | 13.661 | 50.8    | ug/l  | 1332390  | 4                     | 13.567 | 1312770 | 50.0 |
| 1,3-Cyclohexadi... | 14.014 | 66.3    | ug/l  | 1740640  | 4                     | 13.567 | 1312770 | 50.0 |
| unknown14.314      | 14.314 | 64.3    | ug/l  | 1688890  | 4                     | 13.567 | 1312770 | 50.0 |
| 3-Heptene, 2,6-... | 14.561 | 154.9   | ug/l  | 4067180  | 4                     | 13.567 | 1312770 | 50.0 |
| unknown15.102      | 15.102 | 45.8    | ug/l  | 1201900  | 4                     | 13.567 | 1312770 | 50.0 |
| 2-Octene, (E)-     | 15.179 | 47.1    | ug/l  | 1236850  | 4                     | 13.567 | 1312770 | 50.0 |
| 1-Decanol          | 15.767 | 44.5    | ug/l  | 1169100  | 4                     | 13.567 | 1312770 | 50.0 |