

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD060222\  
 Data File : VD073471.D  
 Acq On : 02 Jun 2022 14:54  
 Operator : VA/SY  
 Sample : N3140-01  
 Misc : 5.07G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 RCA-BACKFILL-MATERIAL

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\82D051922S.M  
 Title : SW846 8260

Signal : TIC: VD073471.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         | 4.156       | 370           | 380         | 390          | rBV2     | 17314          | 45321         | 1.87%           | 0.209%        |
| 2         | 4.956       | 506           | 516         | 529          | rVB5     | 17315          | 57047         | 2.35%           | 0.263%        |
| 3         | 7.191       | 888           | 896         | 906          | rBV2     | 15914          | 47547         | 1.96%           | 0.219%        |
| 4         | 7.909       | 1008          | 1018        | 1023         | rBV2     | 130843         | 316246        | 13.02%          | 1.457%        |
| 5         | 7.973       | 1023          | 1029        | 1042         | rVB      | 335308         | 741825        | 30.53%          | 3.418%        |
| 6         | 8.320       | 1074          | 1088        | 1097         | rBV      | 180832         | 419350        | 17.26%          | 1.932%        |
| 7         | 8.856       | 1169          | 1179        | 1191         | rBV      | 519179         | 1030777       | 42.42%          | 4.750%        |
| 8         | 9.044       | 1204          | 1211        | 1219         | rBV2     | 16590          | 31870         | 1.31%           | 0.147%        |
| 9         | 10.332      | 1422          | 1430        | 1439         | rBV      | 856439         | 1476133       | 60.75%          | 6.802%        |
| 10        | 11.632      | 1642          | 1651        | 1663         | rBV      | 848530         | 1472505       | 60.60%          | 6.785%        |
| 11        | 11.879      | 1681          | 1693        | 1699         | rVB5     | 19579          | 47116         | 1.94%           | 0.217%        |
| 12        | 11.950      | 1699          | 1705        | 1710         | rBV3     | 46408          | 77118         | 3.17%           | 0.355%        |
| 13        | 12.102      | 1724          | 1731        | 1736         | rVB5     | 15527          | 26273         | 1.08%           | 0.121%        |
| 14        | 12.197      | 1744          | 1747        | 1755         | rVB2     | 18222          | 27474         | 1.13%           | 0.127%        |
| 15        | 12.297      | 1757          | 1764        | 1770         | rBV      | 153144         | 262040        | 10.78%          | 1.207%        |
| 16        | 12.620      | 1812          | 1819        | 1827         | rVB      | 778384         | 1280909       | 52.72%          | 5.902%        |
| 17        | 12.708      | 1827          | 1834        | 1837         | rBV      | 181761         | 325724        | 13.41%          | 1.501%        |
| 18        | 12.749      | 1837          | 1841        | 1842         | rVV      | 390345         | 516573        | 21.26%          | 2.380%        |
| 19        | 12.779      | 1842          | 1846        | 1853         | rVB      | 899811         | 1486246       | 61.17%          | 6.848%        |
| 20        | 12.861      | 1853          | 1860        | 1864         | rBV      | 783611         | 1331959       | 54.82%          | 6.137%        |
| 21        | 12.944      | 1871          | 1874        | 1882         | rVB2     | 38369          | 59315         | 2.44%           | 0.273%        |
| 22        | 13.085      | 1891          | 1898        | 1912         | rVB      | 130825         | 223430        | 9.20%           | 1.030%        |
| 23        | 13.302      | 1929          | 1935        | 1947         | rBV3     | 201435         | 508004        | 20.91%          | 2.341%        |
| 24        | 13.561      | 1971          | 1979        | 1988         | rBV      | 986832         | 1649680       | 67.89%          | 7.601%        |
| 25        | 13.649      | 1988          | 1994        | 2001         | rVV      | 305699         | 486780        | 20.03%          | 2.243%        |
| 26        | 13.714      | 2001          | 2005        | 2009         | rVV4     | 29052          | 54831         | 2.26%           | 0.253%        |
| 27        | 13.755      | 2009          | 2012        | 2017         | rVB2     | 37089          | 54799         | 2.26%           | 0.252%        |
| 28        | 13.826      | 2019          | 2024        | 2031         | rVB2     | 51830          | 82283         | 3.39%           | 0.379%        |
| 29        | 13.908      | 2034          | 2038        | 2043         | rVB7     | 14737          | 25698         | 1.06%           | 0.118%        |
| 30        | 14.049      | 2055          | 2062        | 2063         | rBV7     | 13558          | 24705         | 1.02%           | 0.114%        |
| 31        | 14.085      | 2063          | 2068        | 2073         | rBV6     | 34544          | 84582         | 3.48%           | 0.390%        |
| 32        | 14.179      | 2078          | 2084        | 2087         | rBV2     | 266634         | 446387        | 18.37%          | 2.057%        |
| 33        | 14.220      | 2087          | 2091        | 2096         | rVV      | 819605         | 1289921       | 53.09%          | 5.944%        |
| 34        | 14.273      | 2096          | 2100        | 2116         | rVB2     | 1247148        | 2429757       | 100.00%         | 11.196%       |
| 35        | 14.391      | 2116          | 2120        | 2123         | rBV2     | 56900          | 85634         | 3.52%           | 0.395%        |
| 36        | 14.426      | 2123          | 2126        | 2132         | rBV4     | 21399          | 35370         | 1.46%           | 0.163%        |

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 MSVOA\_D  
 ClientSampleId :  
 RCA-BACKFILL-MATERIAL

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\82D051922S.M

Title : SW846 8260

|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 37 | 14.485 | 2132 | 2136 | 2137 | rBV  | 47120  | 56817   | 2.34%  | 0.262% |
| 38 | 14.520 | 2137 | 2142 | 2145 | rVV2 | 241035 | 376201  | 15.48% | 1.733% |
| 39 | 14.579 | 2145 | 2152 | 2164 | rVB4 | 469791 | 1345624 | 55.38% | 6.200% |
| 40 | 14.667 | 2164 | 2167 | 2169 | rBV3 | 33564  | 41311   | 1.70%  | 0.190% |
| 41 | 14.720 | 2172 | 2176 | 2184 | rVB  | 194919 | 319842  | 13.16% | 1.474% |
| 42 | 14.796 | 2186 | 2189 | 2194 | rVB4 | 26466  | 35390   | 1.46%  | 0.163% |
| 43 | 14.849 | 2194 | 2198 | 2201 | rBV2 | 51946  | 72873   | 3.00%  | 0.336% |
| 44 | 14.879 | 2201 | 2203 | 2209 | rVB2 | 36039  | 47747   | 1.97%  | 0.220% |
| 45 | 14.985 | 2209 | 2221 | 2223 | rBV5 | 97915  | 247625  | 10.19% | 1.141% |
| 46 | 15.020 | 2223 | 2227 | 2230 | rBV2 | 76019  | 113515  | 4.67%  | 0.523% |
| 47 | 15.167 | 2246 | 2252 | 2258 | rBV2 | 110873 | 186680  | 7.68%  | 0.860% |
| 48 | 15.320 | 2268 | 2278 | 2285 | rBV6 | 47935  | 160854  | 6.62%  | 0.741% |
| 49 | 15.414 | 2285 | 2294 | 2306 | rVB5 | 51774  | 136908  | 5.63%  | 0.631% |

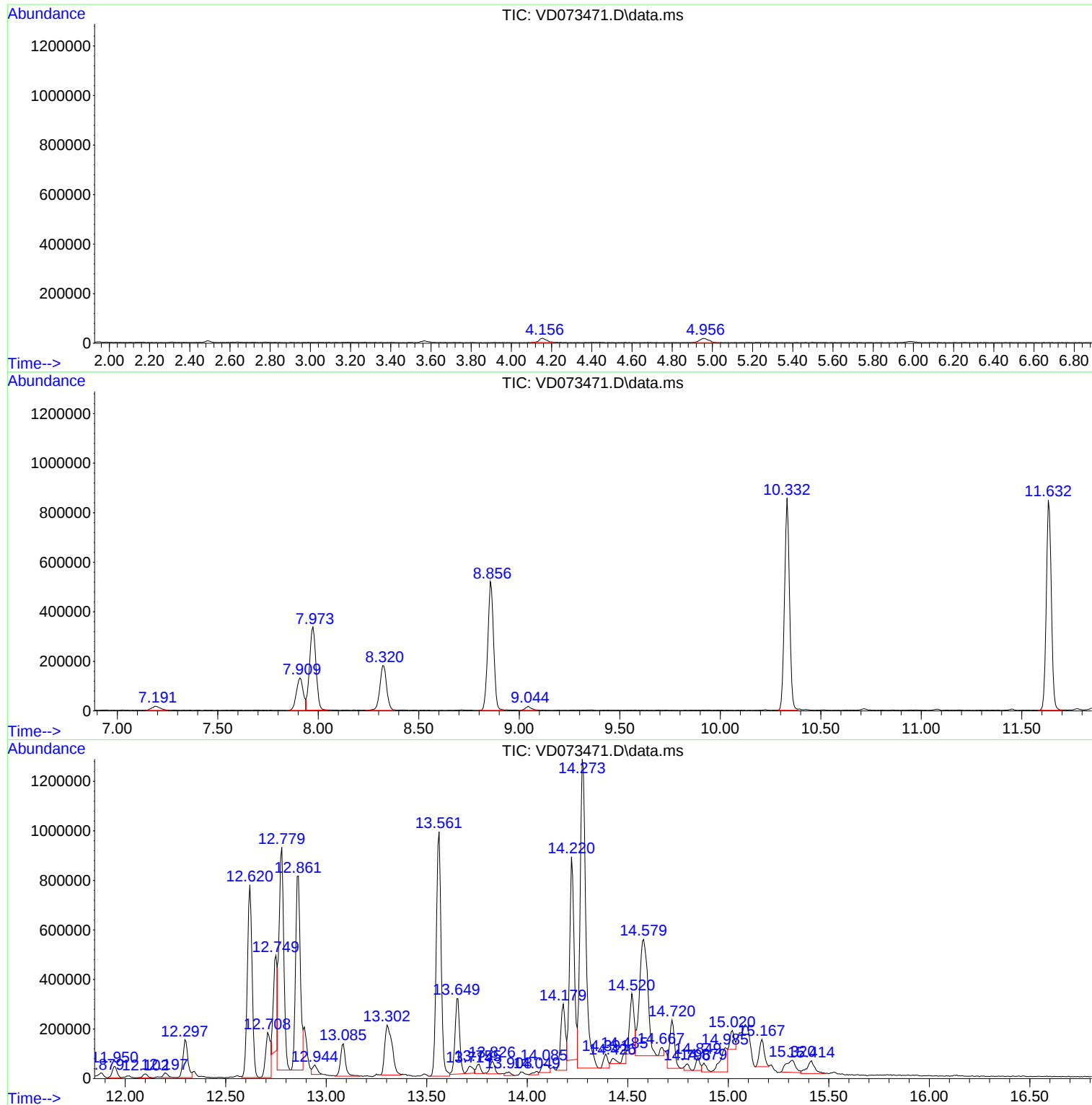
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ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
RCA-BACKFILL-MATERIAL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051922S.M  
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD060222\  
Data File : VD073471.D  
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Operator : VA/SY  
Sample : N3140-01  
Misc : 5.07G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
RCA-BACKFILL-MATERIAL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051922S.M  
Quant Title : SW846 8260

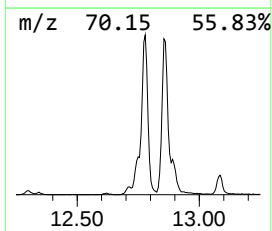
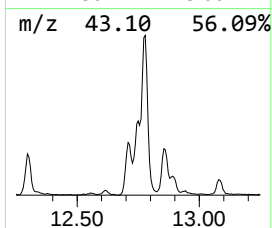
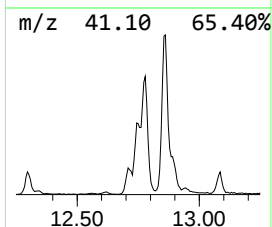
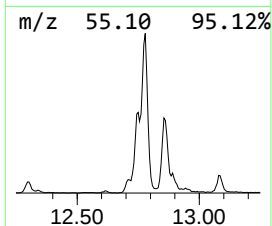
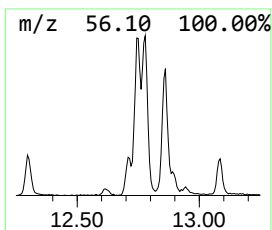
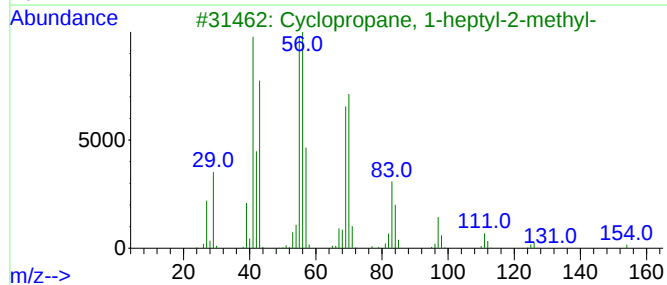
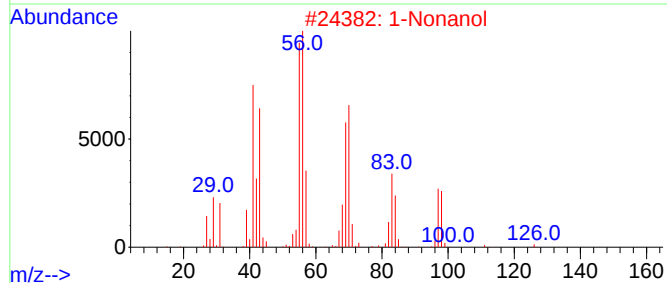
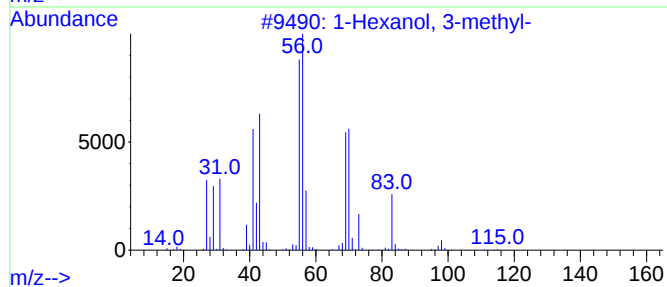
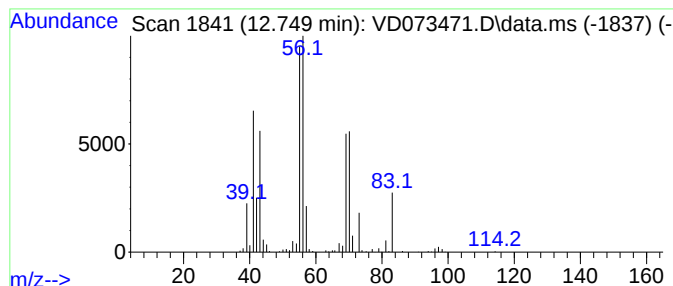
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 1-Hexanol, 3-methyl- Concentration Rank 6

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 12.749 | 15.66 ug/l | 516573 | 1,4-Dichlorobenzene-d4 | 13.561 |

| Hit# | of 5 | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|------|----------------------------------|-----|---------|-------------|------|
| 1    |      | 1-Hexanol, 3-methyl-             | 116 | C7H16O  | 013231-81-7 | 78   |
| 2    |      | 1-Nonanol                        | 144 | C9H20O  | 000143-08-8 | 78   |
| 3    |      | Cyclopropane, 1-heptyl-2-methyl- | 154 | C11H22  | 074663-91-5 | 72   |
| 4    |      | Cyclopropane, pentyl-            | 112 | C8H16   | 002511-91-3 | 72   |
| 5    |      | Cyclopropane, 1-methyl-2-octyl-  | 168 | C12H24  | 037617-26-8 | 64   |



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Sample : N3140-01  
Misc : 5.07G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
RCA-BACKFILL-MATERIAL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051922S.M  
Quant Title : SW846 8260

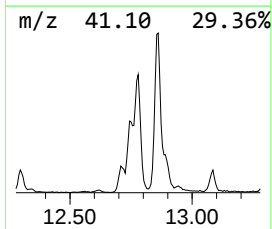
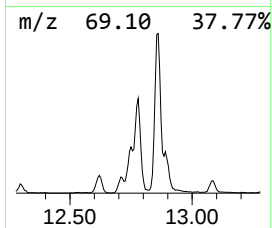
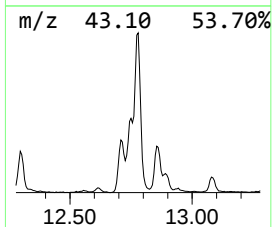
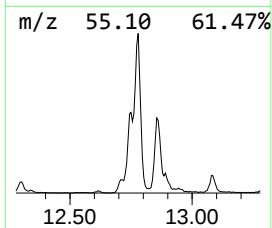
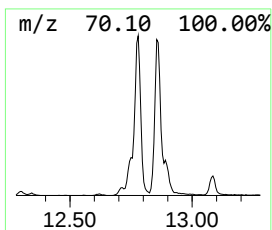
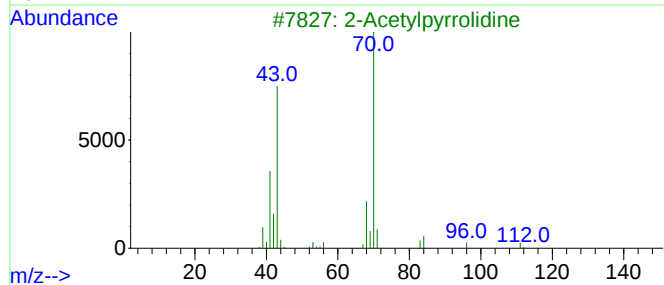
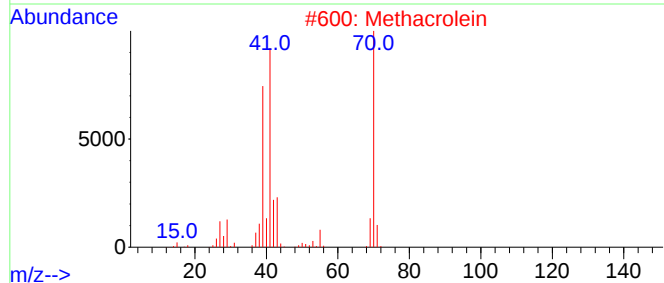
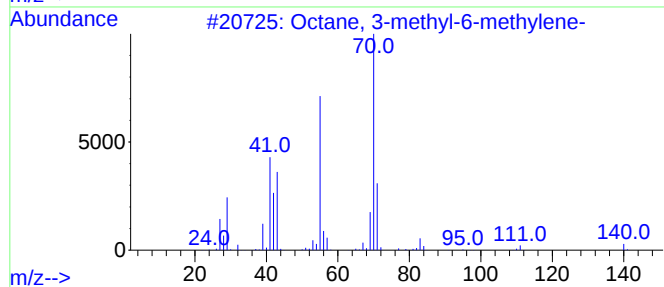
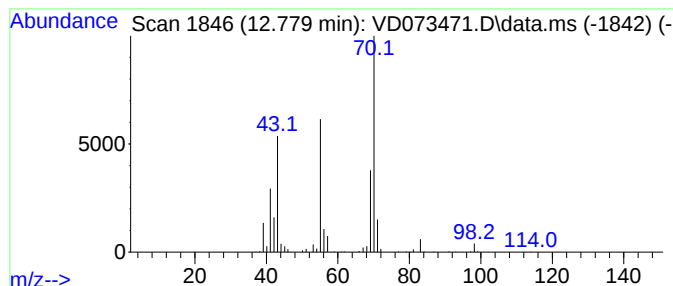
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Octane, 3-methyl-6-methylene- Concentration Rank 2

| R.T.   | EstConc    | Area    | Relative to ISTD       | R.T.   |
|--------|------------|---------|------------------------|--------|
| 12.779 | 45.05 ug/l | 1486250 | 1,4-Dichlorobenzene-d4 | 13.561 |

| Hit# | of | 5 | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------|-----|---------|-------------|------|
| 1    |    |   | Octane, 3-methyl-6-methylene- | 140 | C10H20  | 074630-07-2 | 64   |
| 2    |    |   | Methacrolein                  | 70  | C4H6O   | 000078-85-3 | 64   |
| 3    |    |   | 2-Acetylpyrrolidine           | 113 | C6H11NO | 060026-20-2 | 50   |
| 4    |    |   | Tridecane, 3-methylene-       | 196 | C14H28  | 019780-34-8 | 40   |
| 5    |    |   | 1-Octen-3-one                 | 126 | C8H14O  | 004312-99-6 | 39   |



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ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
RCA-BACKFILL-MATERIAL

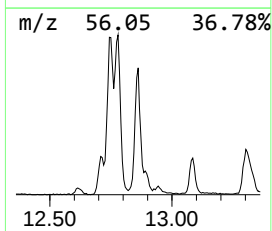
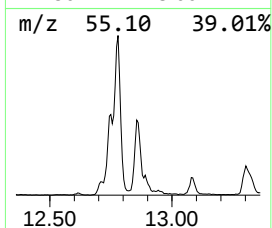
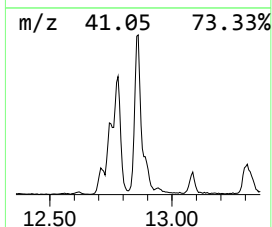
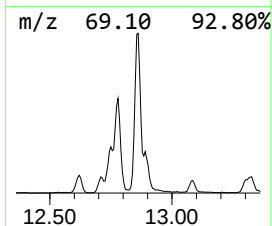
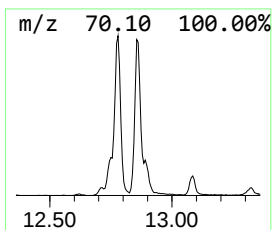
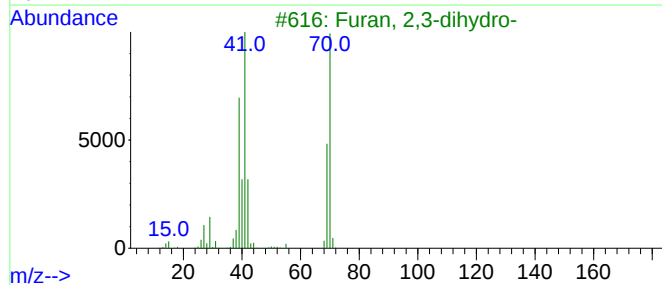
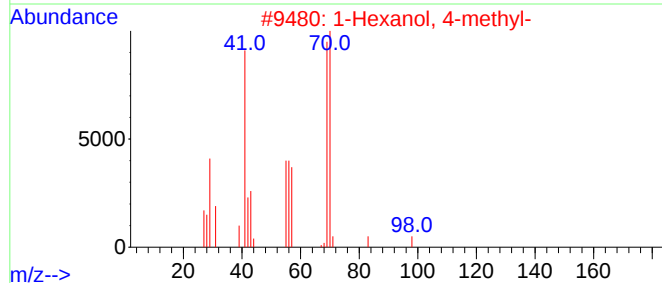
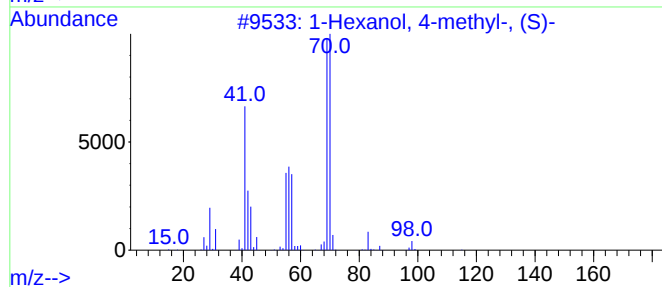
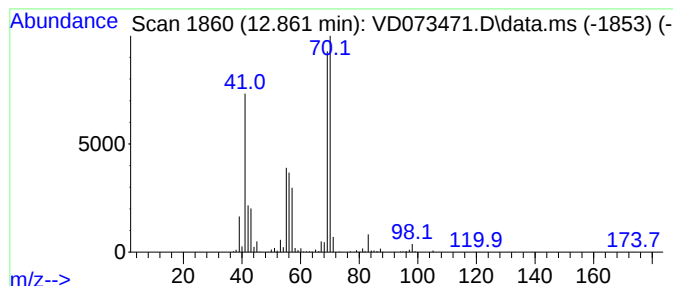
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051922S.M  
Quant Title : SW846 8260

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

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Peak Number 3 1-Hexanol, 4-methyl-, (S)- Concentration Rank 4

| R.T.   | EstConc    | Area    | Relative to ISTD       | R.T.   |
|--------|------------|---------|------------------------|--------|
| 12.861 | 40.37 ug/l | 1331960 | 1,4-Dichlorobenzene-d4 | 13.561 |

| Hit# | of | 5 | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------|-----|---------|-------------|------|
| 1    |    |   | 1-Hexanol, 4-methyl-, (S)-    | 116 | C7H16O  | 001767-46-0 | 86   |
| 2    |    |   | 1-Hexanol, 4-methyl-          | 116 | C7H16O  | 000818-49-5 | 64   |
| 3    |    |   | Furan, 2,3-dihydro-           | 70  | C4H6O   | 001191-99-7 | 46   |
| 4    |    |   | Methacrolein                  | 70  | C4H6O   | 000078-85-3 | 43   |
| 5    |    |   | Cyanoic acid, sec-butyl ester | 99  | C5H9NO  | 001873-13-8 | 38   |



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ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
RCA-BACKFILL-MATERIAL

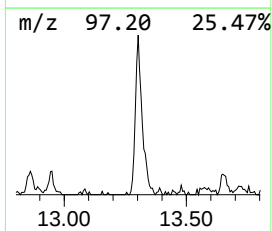
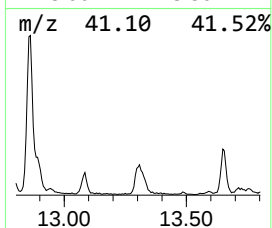
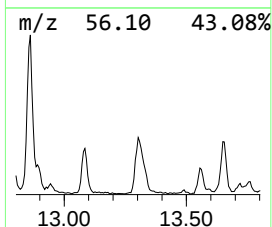
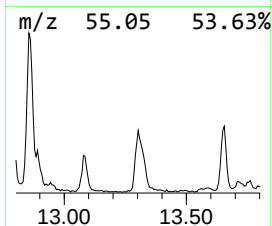
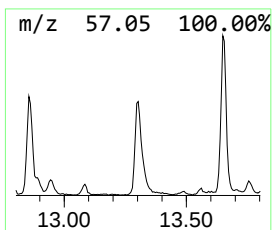
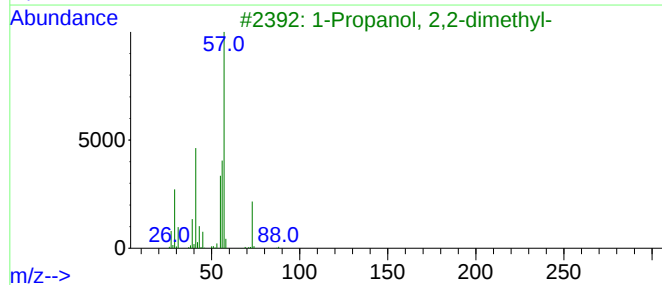
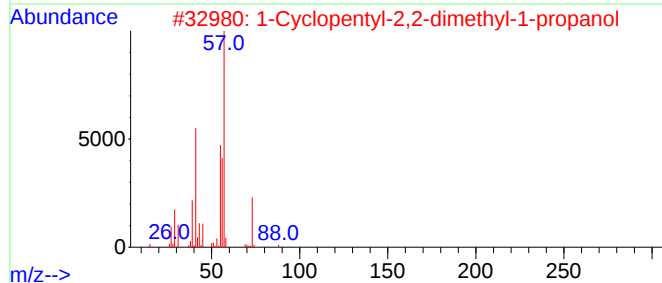
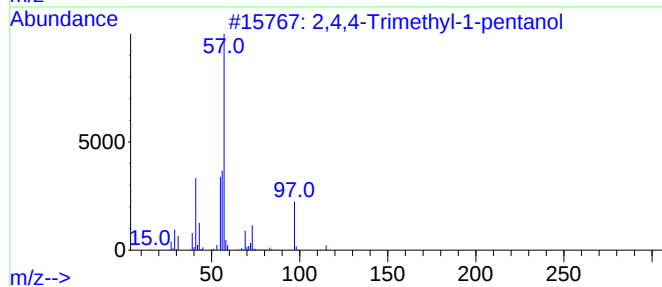
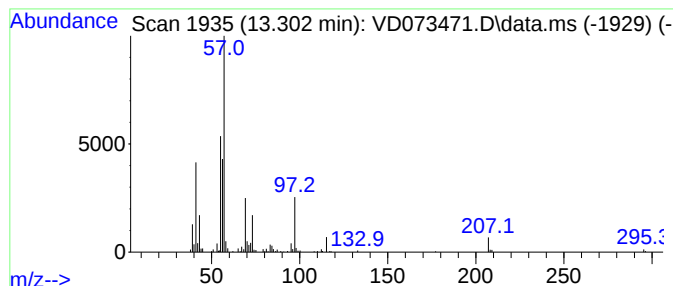
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 4 2,4,4-Trimethyl-1-pentanol Concentration Rank 7

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 13.302 | 15.40 ug/l | 508004 | 1,4-Dichlorobenzene-d4 | 13.561 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 2,4,4-Trimethyl-1-pentanol          | 130 | C8H18O   | 016325-63-6 | 64   |
| 2    |    |   | 1-Cyclopentyl-2,2-dimethyl-1-pro... | 156 | C10H20O  | 337966-85-5 | 50   |
| 3    |    |   | 1-Propanol, 2,2-dimethyl-           | 88  | C5H12O   | 000075-84-3 | 47   |
| 4    |    |   | 1-Hexene, 5,5-dimethyl-             | 112 | C8H16    | 007116-86-1 | 43   |
| 5    |    |   | Pentane, 2,2,4-trimethyl-4-nitro-   | 159 | C8H17NO2 | 005342-78-9 | 43   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD060222\  
Data File : VD073471.D  
Acq On : 02 Jun 2022 14:54  
Operator : VA/SY  
Sample : N3140-01  
Misc : 5.07G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
RCA-BACKFILL-MATERIAL

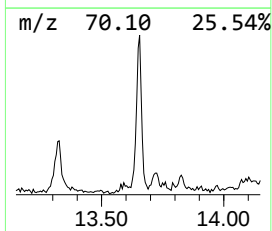
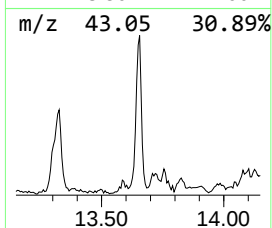
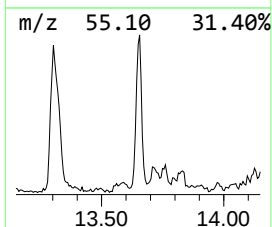
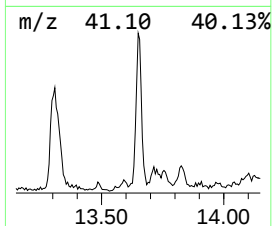
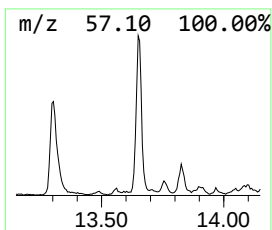
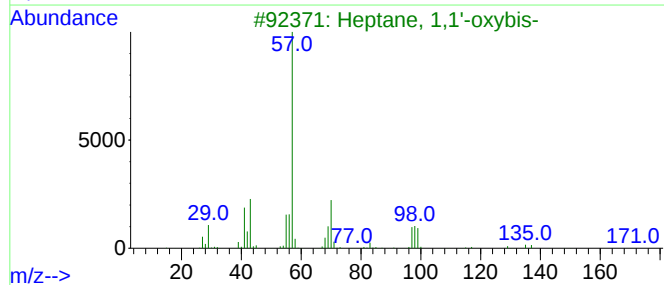
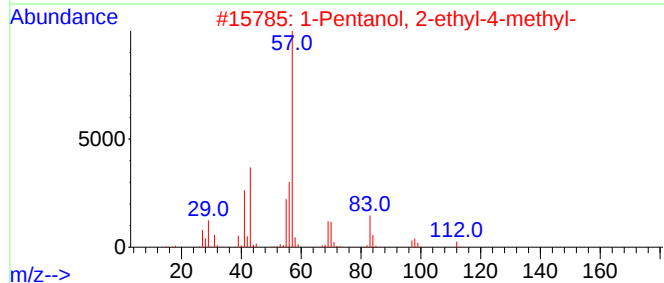
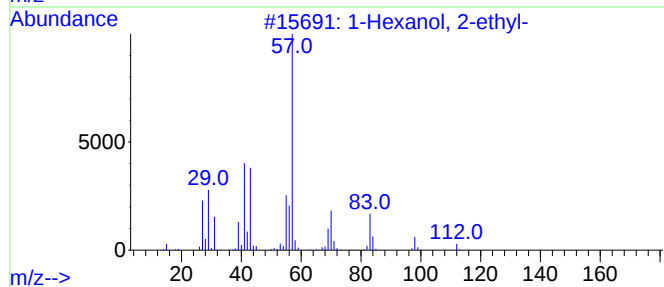
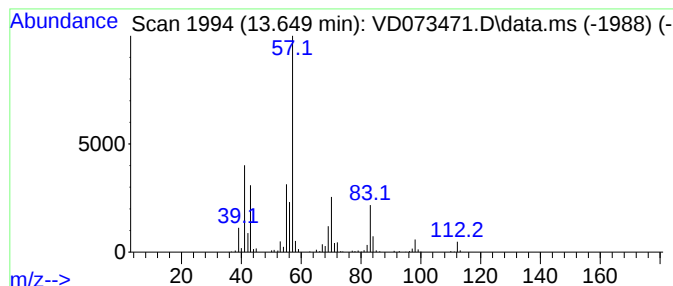
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 5 1-Hexanol, 2-ethyl- Concentration Rank 8

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 13.649 | 14.75 ug/l | 486780 | 1,4-Dichlorobenzene-d4 | 13.561 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-------------|--------------|------|
| 1    |    |   | 1-Hexanol, 2-ethyl-                 | 130 | C8H18O      | 000104-76-7  | 90   |
| 2    |    |   | 1-Pentanol, 2-ethyl-4-methyl-       | 130 | C8H18O      | 000106-67-2  | 56   |
| 3    |    |   | Heptane, 1,1'-oxybis-               | 214 | C14H30O     | 000629-64-1  | 50   |
| 4    |    |   | Carbonic acid, heptyl prop-1-en-... | 200 | C11H20O3    | 1000382-54-1 | 47   |
| 5    |    |   | Pentadecafluorooctanoic acid, 2-... | 526 | C16H17F15O2 | 1000406-80-9 | 42   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD060222\  
Data File : VD073471.D  
Acq On : 02 Jun 2022 14:54  
Operator : VA/SY  
Sample : N3140-01  
Misc : 5.07G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
RCA-BACKFILL-MATERIAL

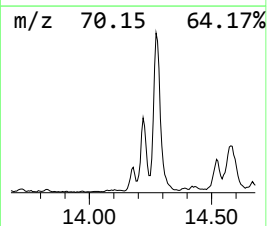
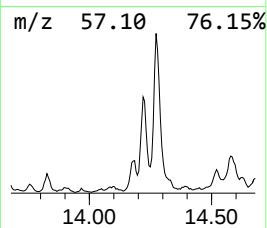
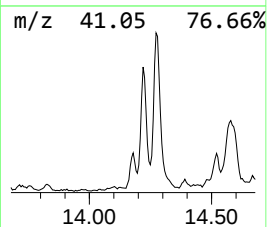
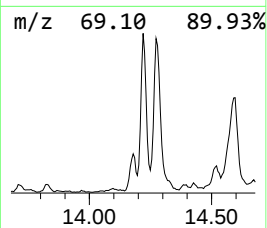
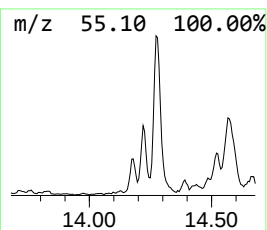
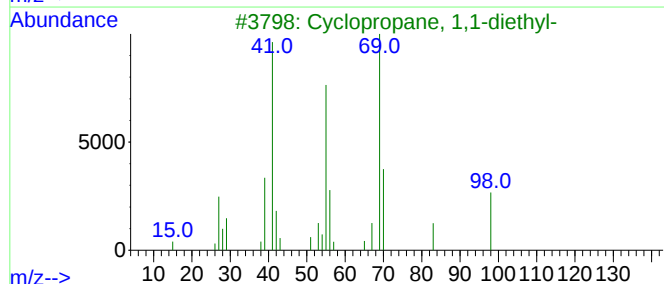
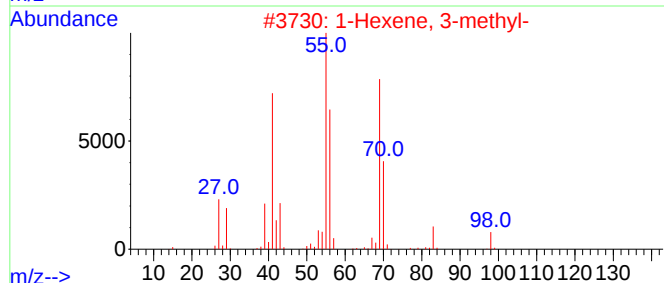
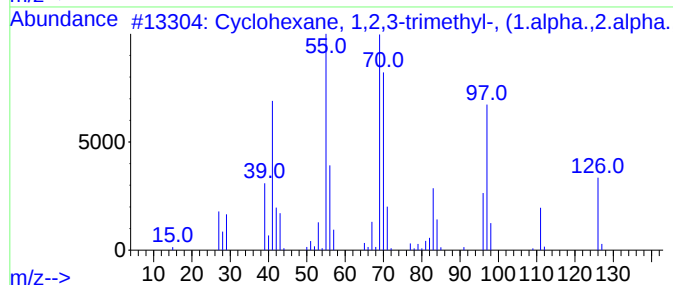
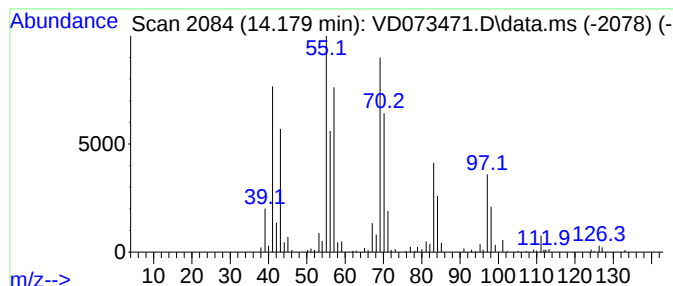
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 6 Cyclohexane, 1,2,3-trimethyl... Concentration Rank 9

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 14.179 | 13.53 ug/l | 446387 | 1,4-Dichlorobenzene-d4 | 13.561 |

| Hit# | of | 5 | Tentative ID                         | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclohexane, 1,2,3-trimethyl-, (...) | 126 | C9H18   | 001839-88-9 | 58   |
| 2    |    |   | 1-Hexene, 3-methyl-                  | 98  | C7H14   | 003404-61-3 | 52   |
| 3    |    |   | Cyclopropane, 1,1-diethyl-           | 98  | C7H14   | 001003-19-6 | 43   |
| 4    |    |   | 1H-Tetrazole, 1,5-dimethyl-          | 98  | C3H6N4  | 005144-11-6 | 38   |
| 5    |    |   | Cyclopentanecarboxaldehyde           | 98  | C6H10O  | 000872-53-7 | 30   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD060222\  
Data File : VD073471.D  
Acq On : 02 Jun 2022 14:54  
Operator : VA/SY  
Sample : N3140-01  
Misc : 5.07G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
RCA-BACKFILL-MATERIAL

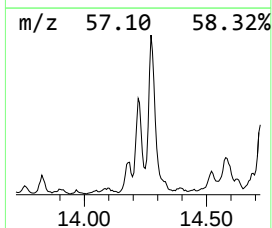
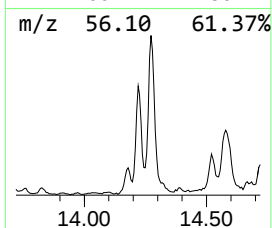
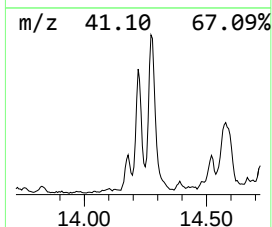
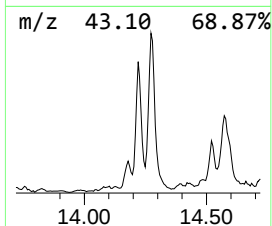
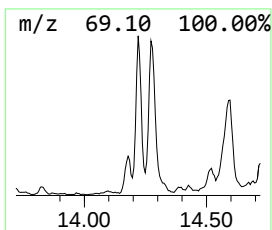
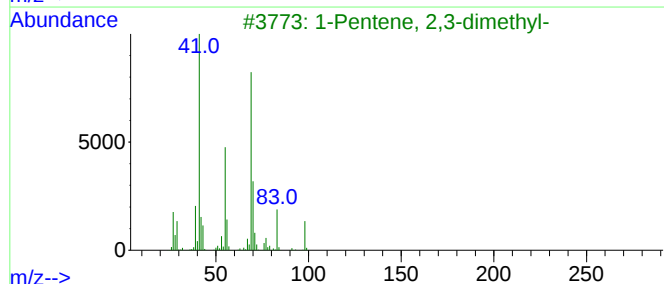
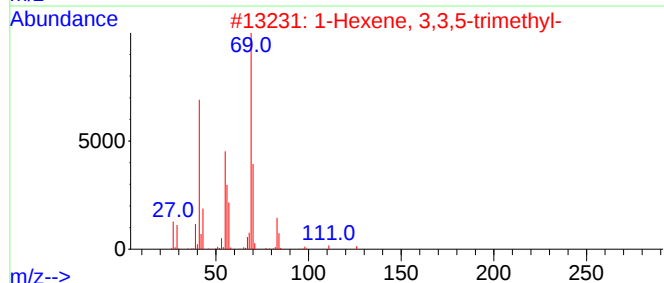
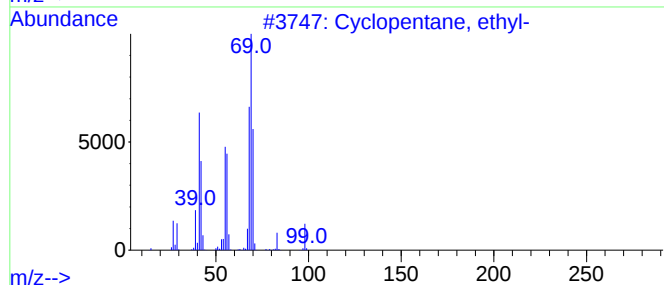
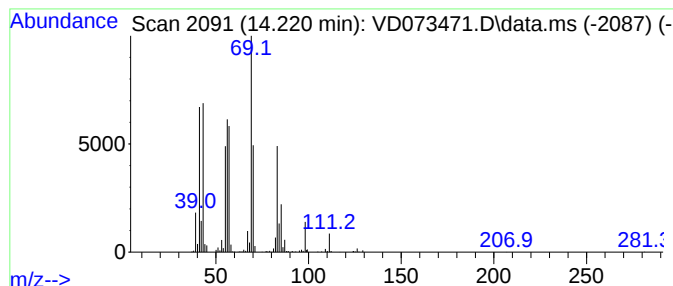
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 7 Cyclopentane, ethyl- Concentration Rank 5

| R.T.   | EstConc    | Area    | Relative to ISTD       | R.T.   |
|--------|------------|---------|------------------------|--------|
| 14.220 | 39.10 ug/l | 1289920 | 1,4-Dichlorobenzene-d4 | 13.561 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclopentane, ethyl-       | 98  | C7H14   | 001640-89-7 | 58   |
| 2    |    |   | 1-Hexene, 3,3,5-trimethyl- | 126 | C9H18   | 013427-43-5 | 52   |
| 3    |    |   | 1-Pentene, 2,3-dimethyl-   | 98  | C7H14   | 003404-72-6 | 43   |
| 4    |    |   | 1-Pentene, 3,3-dimethyl-   | 98  | C7H14   | 003404-73-7 | 38   |
| 5    |    |   | 2-Pentene, 2-methyl-       | 84  | C6H12   | 000625-27-4 | 35   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD060222\  
Data File : VD073471.D  
Acq On : 02 Jun 2022 14:54  
Operator : VA/SY  
Sample : N3140-01  
Misc : 5.07G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
RCA-BACKFILL-MATERIAL

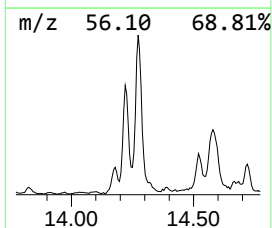
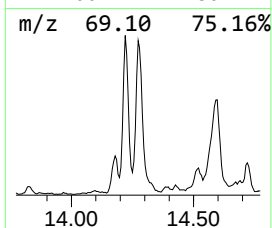
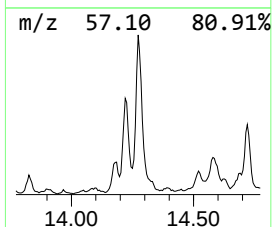
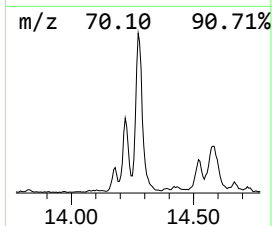
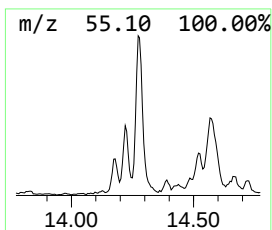
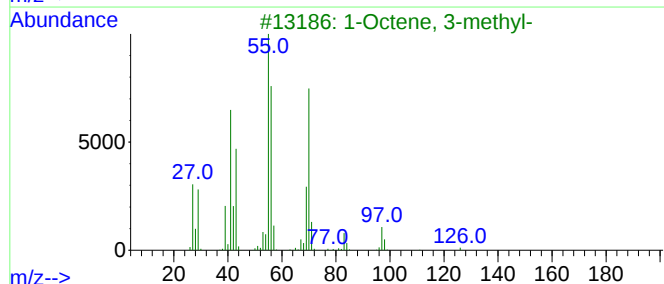
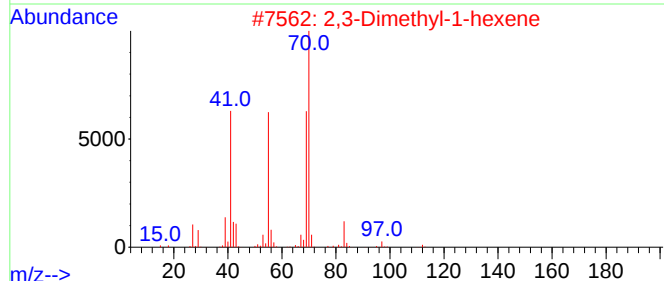
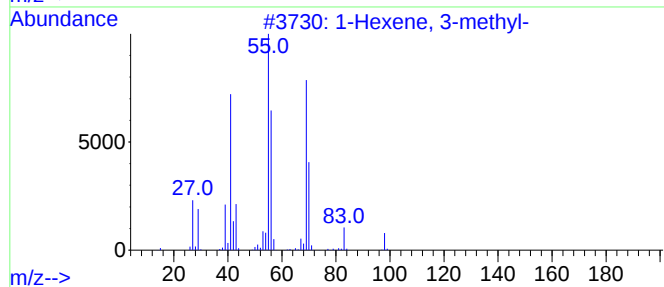
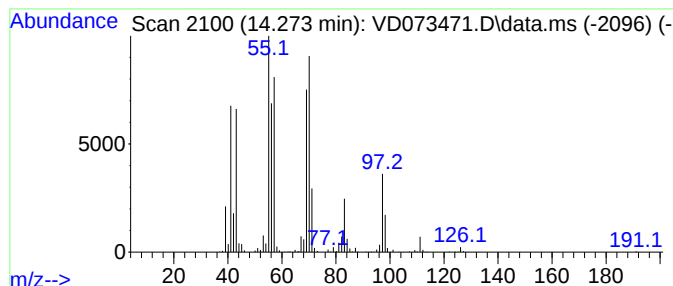
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 8 1-Hexene, 3-methyl- Concentration Rank 1

| R.T.   | EstConc    | Area    | Relative to ISTD       | R.T.   |
|--------|------------|---------|------------------------|--------|
| 14.273 | 73.64 ug/l | 2429760 | 1,4-Dichlorobenzene-d4 | 13.561 |

| Hit# | of | 5 | Tentative ID                      | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------------|-----|---------|-------------|------|
| 1    |    |   | 1-Hexene, 3-methyl-               | 98  | C7H14   | 003404-61-3 | 50   |
| 2    |    |   | 2,3-Dimethyl-1-hexene             | 112 | C8H16   | 016746-86-4 | 47   |
| 3    |    |   | 1-Octene, 3-methyl-               | 126 | C9H18   | 013151-08-1 | 46   |
| 4    |    |   | 3-Heptene, 2,6-dimethyl-          | 126 | C9H18   | 002738-18-3 | 46   |
| 5    |    |   | Cyclopentane, 1,3-dimethyl-, cis- | 98  | C7H14   | 002532-58-3 | 43   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD060222\  
Data File : VD073471.D  
Acq On : 02 Jun 2022 14:54  
Operator : VA/SY  
Sample : N3140-01  
Misc : 5.07G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
RCA-BACKFILL-MATERIAL

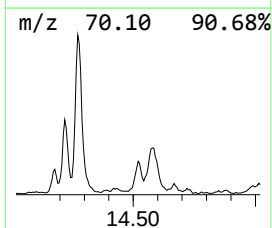
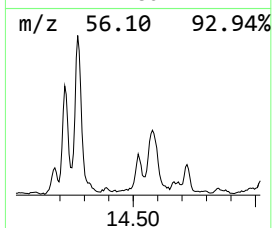
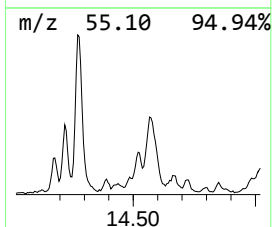
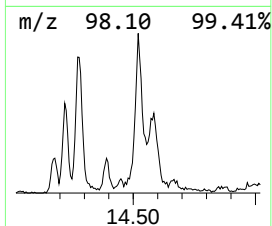
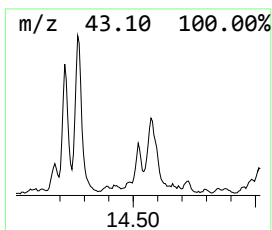
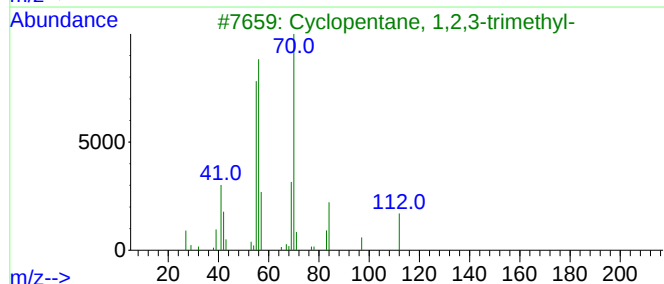
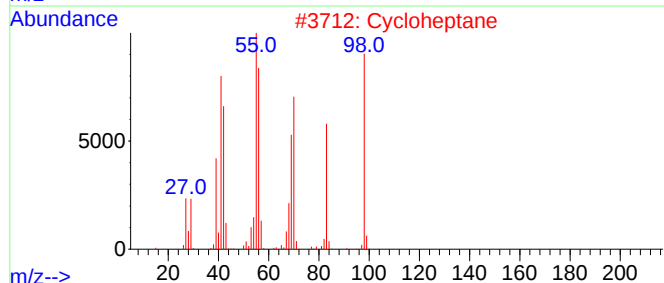
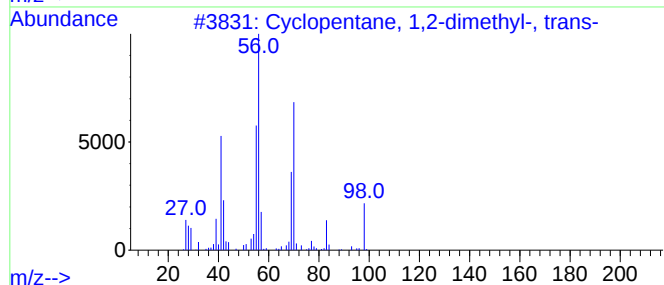
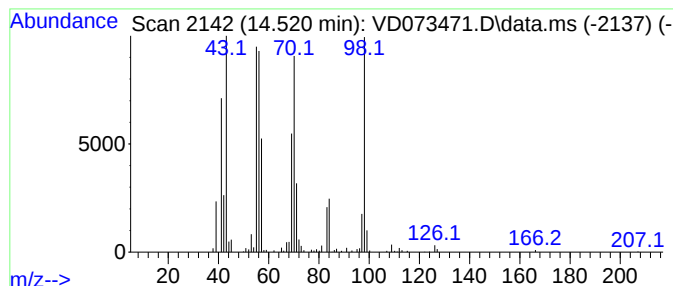
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051922S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 9 Cyclopentane, 1,2-dimethyl-... Concentration Rank 10

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 14.520 | 11.40 ug/l | 376201 | 1,4-Dichlorobenzene-d4 | 13.561 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclopentane, 1,2-dimethyl-, trans- | 98  | C7H14   | 000822-50-4 | 68   |
| 2    |    |   | Cycloheptane                        | 98  | C7H14   | 000291-64-5 | 64   |
| 3    |    |   | Cyclopentane, 1,2,3-trimethyl-      | 112 | C8H16   | 002815-57-8 | 50   |
| 4    |    |   | cis-2-Nonene                        | 126 | C9H18   | 006434-77-1 | 47   |
| 5    |    |   | Cyclopentane, 1,2-dimethyl-, cis-   | 98  | C7H14   | 001192-18-3 | 47   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD060222\  
Data File : VD073471.D  
Acq On : 02 Jun 2022 14:54  
Operator : VA/SY  
Sample : N3140-01  
Misc : 5.07G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
RCA-BACKFILL-MATERIAL

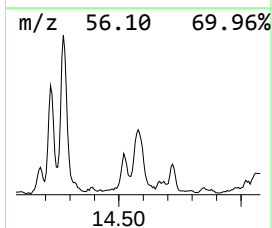
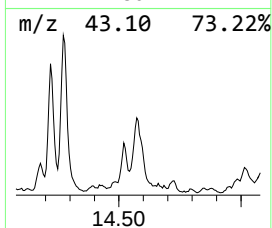
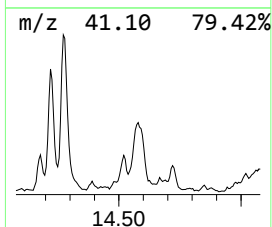
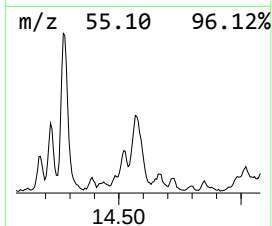
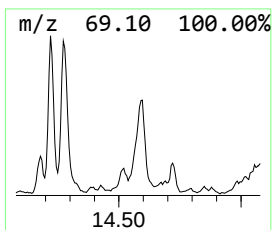
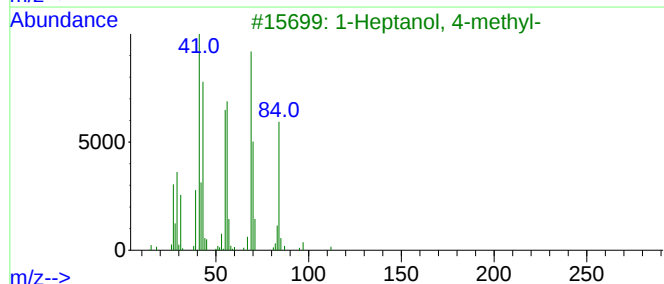
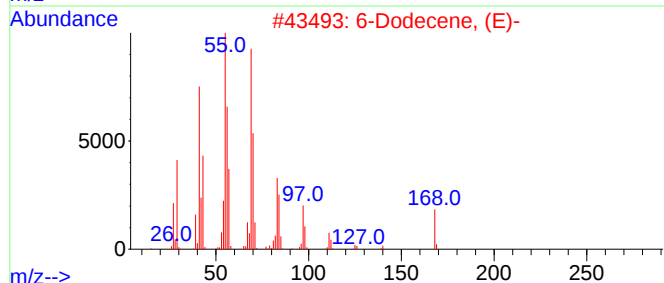
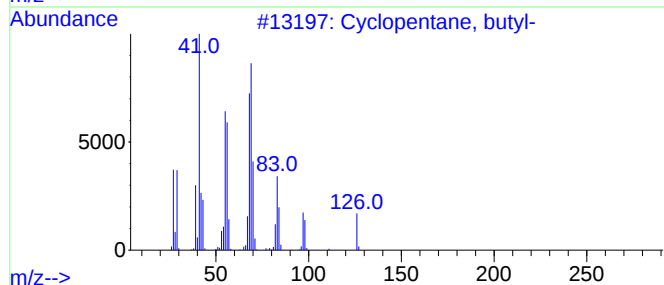
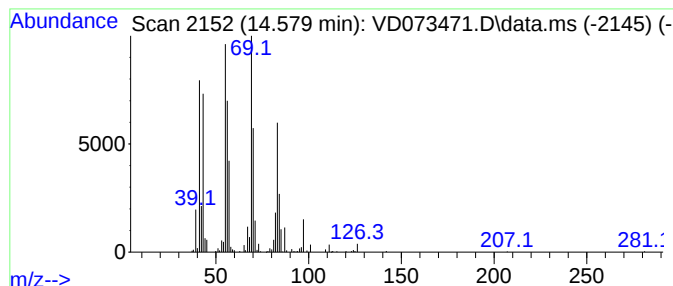
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051922S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 10 Cyclopentane, butyl- Concentration Rank 3

| R.T.   | EstConc    | Area    | Relative to ISTD       | R.T.   |
|--------|------------|---------|------------------------|--------|
| 14.579 | 40.78 ug/l | 1345620 | 1,4-Dichlorobenzene-d4 | 13.561 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclopentane, butyl-                | 126 | C9H18   | 002040-95-1 | 72   |
| 2    |    |   | 6-Dodecene, (E)-                    | 168 | C12H24  | 007206-17-9 | 72   |
| 3    |    |   | 1-Heptanol, 4-methyl-               | 130 | C8H18O  | 000817-91-4 | 64   |
| 4    |    |   | Cyclohexane, 1,2,4-trimethyl-       | 126 | C9H18   | 002234-75-5 | 59   |
| 5    |    |   | Cyclohexane, 1,2,3-trimethyl-, (... | 126 | C9H18   | 001839-88-9 | 53   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD060222\  
Data File : VD073471.D  
Acq On : 02 Jun 2022 14:54  
Operator : VA/SY  
Sample : N3140-01  
Misc : 5.07G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
RCA-BACKFILL-MATERIAL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051922S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |         |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|---------|------|
|                    |        |         |       |          | #                     | RT     | Resp    | Conc |
| 1-Hexanol, 3-me... | 12.749 | 15.7    | ug/l  | 516573   | 4                     | 13.561 | 1649680 | 50.0 |
| Octane, 3-methy... | 12.779 | 45.0    | ug/l  | 1486250  | 4                     | 13.561 | 1649680 | 50.0 |
| 1-Hexanol, 4-me... | 12.861 | 40.4    | ug/l  | 1331960  | 4                     | 13.561 | 1649680 | 50.0 |
| 2,4,4-Trimethyl... | 13.302 | 15.4    | ug/l  | 508004   | 4                     | 13.561 | 1649680 | 50.0 |
| 1-Hexanol, 2-et... | 13.649 | 14.8    | ug/l  | 486780   | 4                     | 13.561 | 1649680 | 50.0 |
| Cyclohexane, 1,... | 14.179 | 13.5    | ug/l  | 446387   | 4                     | 13.561 | 1649680 | 50.0 |
| Cyclopentane, e... | 14.220 | 39.1    | ug/l  | 1289920  | 4                     | 13.561 | 1649680 | 50.0 |
| 1-Hexene, 3-met... | 14.273 | 73.6    | ug/l  | 2429760  | 4                     | 13.561 | 1649680 | 50.0 |
| Cyclopentane, 1... | 14.520 | 11.4    | ug/l  | 376201   | 4                     | 13.561 | 1649680 | 50.0 |
| Cyclopentane, b... | 14.579 | 40.8    | ug/l  | 1345620  | 4                     | 13.561 | 1649680 | 50.0 |