

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY032221\  
 Data File : VY004162.D  
 Acq On : 22 Mar 2021 14:31  
 Operator : SY/MD  
 Sample : M1749-01  
 Misc : 5.05g/5mL/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 FS-SB-15-11-13

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030821S.M  
 Title : SW846 8260

Signal : TIC: VY004162.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         | 7.728       | 959           | 969         | 975          | rBV      | 149273         | 354307        | 3.55%           | 0.419%        |
| 2         | 7.801       | 975           | 981         | 995          | rVB      | 261014         | 578602        | 5.80%           | 0.685%        |
| 3         | 8.149       | 1029          | 1038        | 1050         | rBV      | 144318         | 331409        | 3.32%           | 0.392%        |
| 4         | 8.697       | 1119          | 1128        | 1139         | rBV      | 395542         | 764374        | 7.66%           | 0.905%        |
| 5         | 10.185      | 1364          | 1372        | 1378         | rBV      | 626332         | 1069117       | 10.72%          | 1.266%        |
| 6         | 10.721      | 1453          | 1460        | 1468         | rVB      | 61071          | 102397        | 1.03%           | 0.121%        |
| 7         | 11.496      | 1579          | 1587        | 1596         | rBV      | 579406         | 942072        | 9.45%           | 1.115%        |
| 8         | 11.703      | 1612          | 1621        | 1631         | rBV      | 114517         | 214274        | 2.15%           | 0.254%        |
| 9         | 12.032      | 1664          | 1675        | 1682         | rVB      | 71019          | 119819        | 1.20%           | 0.142%        |
| 10        | 12.489      | 1739          | 1750        | 1757         | rBV3     | 834480         | 1898086       | 19.03%          | 2.247%        |
| 11        | 12.630      | 1768          | 1773        | 1783         | rVB2     | 105412         | 259107        | 2.60%           | 0.307%        |
| 12        | 12.837      | 1798          | 1807        | 1812         | rBV2     | 95709          | 278677        | 2.79%           | 0.330%        |
| 13        | 13.068      | 1841          | 1845        | 1851         | rVB      | 504578         | 777720        | 7.80%           | 0.921%        |
| 14        | 13.178      | 1858          | 1863        | 1869         | rBV      | 225407         | 355625        | 3.57%           | 0.421%        |
| 15        | 13.288      | 1871          | 1881        | 1889         | rBV      | 708858         | 1335195       | 13.39%          | 1.581%        |
| 16        | 13.361      | 1889          | 1893        | 1896         | rBV2     | 80299          | 122827        | 1.23%           | 0.145%        |
| 17        | 13.428      | 1896          | 1904        | 1908         | rVV2     | 611179         | 1156988       | 11.60%          | 1.370%        |
| 18        | 13.483      | 1908          | 1913        | 1923         | rVB      | 842957         | 1914183       | 19.19%          | 2.266%        |
| 19        | 13.593      | 1923          | 1931        | 1933         | rBV2     | 47143          | 114210        | 1.15%           | 0.135%        |
| 20        | 13.648      | 1933          | 1940        | 1947         | rVB      | 362137         | 640985        | 6.43%           | 0.759%        |
| 21        | 13.751      | 1954          | 1957        | 1960         | rBV3     | 125724         | 161878        | 1.62%           | 0.192%        |
| 22        | 13.916      | 1980          | 1984        | 1987         | rBV      | 92681          | 157444        | 1.58%           | 0.186%        |
| 23        | 14.074      | 2006          | 2010        | 2014         | rBV3     | 90610          | 156741        | 1.57%           | 0.186%        |
| 24        | 14.148      | 2015          | 2022        | 2027         | rBV3     | 211816         | 493374        | 4.95%           | 0.584%        |
| 25        | 14.202      | 2027          | 2031        | 2033         | rBV3     | 178566         | 259675        | 2.60%           | 0.307%        |
| 26        | 14.257      | 2033          | 2040        | 2047         | rBV7     | 1104666        | 2776788       | 27.84%          | 3.287%        |
| 27        | 14.318      | 2047          | 2050        | 2055         | rBV3     | 669786         | 842699        | 8.45%           | 0.998%        |
| 28        | 14.385      | 2056          | 2061        | 2064         | rBV3     | 811208         | 1226553       | 12.30%          | 1.452%        |
| 29        | 14.422      | 2064          | 2067        | 2072         | rVB3     | 1080083        | 1506063       | 15.10%          | 1.783%        |
| 30        | 14.483      | 2072          | 2077        | 2082         | rBV5     | 538667         | 906733        | 9.09%           | 1.073%        |
| 31        | 14.556      | 2084          | 2089        | 2091         | rBV4     | 328110         | 626286        | 6.28%           | 0.741%        |
| 32        | 14.617      | 2094          | 2099        | 2105         | rBV      | 4070114        | 5888480       | 59.05%          | 6.971%        |
| 33        | 14.684      | 2106          | 2110        | 2114         | rVV      | 1651391        | 2780155       | 27.88%          | 3.291%        |
| 34        | 14.733      | 2114          | 2118        | 2125         | rVB      | 6796206        | 9972623       | 100.00%         | 11.806%       |
| 35        | 14.812      | 2125          | 2131        | 2134         | rBV4     | 1007551        | 1989726       | 19.95%          | 2.356%        |
| 36        | 14.855      | 2134          | 2138        | 2146         | rVB5     | 1715736        | 4132634       | 41.44%          | 4.893%        |

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 MSVOA\_Y  
 ClientSampleId :  
 FS-SB-15-11-13

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030821S.M

Title : SW846 8260

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 37 | 15.007 | 2157 | 2163 | 2164 | rBV4 | 600879  | 1090935 | 10.94% | 1.292% |
| 38 | 15.044 | 2165 | 2169 | 2174 | rVV3 | 1566854 | 3812473 | 38.23% | 4.514% |
| 39 | 15.099 | 2174 | 2178 | 2180 | rVV4 | 1657134 | 3022011 | 30.30% | 3.578% |
| 40 | 15.141 | 2181 | 2185 | 2192 | rVV4 | 3442960 | 7175342 | 71.95% | 8.495% |
| 41 | 15.214 | 2192 | 2197 | 2202 | rVV  | 5102777 | 7853976 | 78.76% | 9.298% |
| 42 | 15.269 | 2202 | 2206 | 2214 | rVV5 | 1049006 | 2535518 | 25.42% | 3.002% |
| 43 | 15.440 | 2230 | 2234 | 2241 | rVB2 | 3193591 | 4672135 | 46.85% | 5.531% |
| 44 | 15.550 | 2249 | 2252 | 2256 | rVB2 | 856715  | 1300648 | 13.04% | 1.540% |
| 45 | 15.611 | 2257 | 2262 | 2268 | rVB5 | 1526761 | 2932555 | 29.41% | 3.472% |
| 46 | 16.037 | 2328 | 2332 | 2336 | rVB  | 679535  | 1138058 | 11.41% | 1.347% |
| 47 | 16.159 | 2348 | 2352 | 2365 | rVB2 | 579415  | 1299012 | 13.03% | 1.538% |
| 48 | 16.361 | 2381 | 2385 | 2390 | rBV  | 255637  | 427717  | 4.29%  | 0.506% |

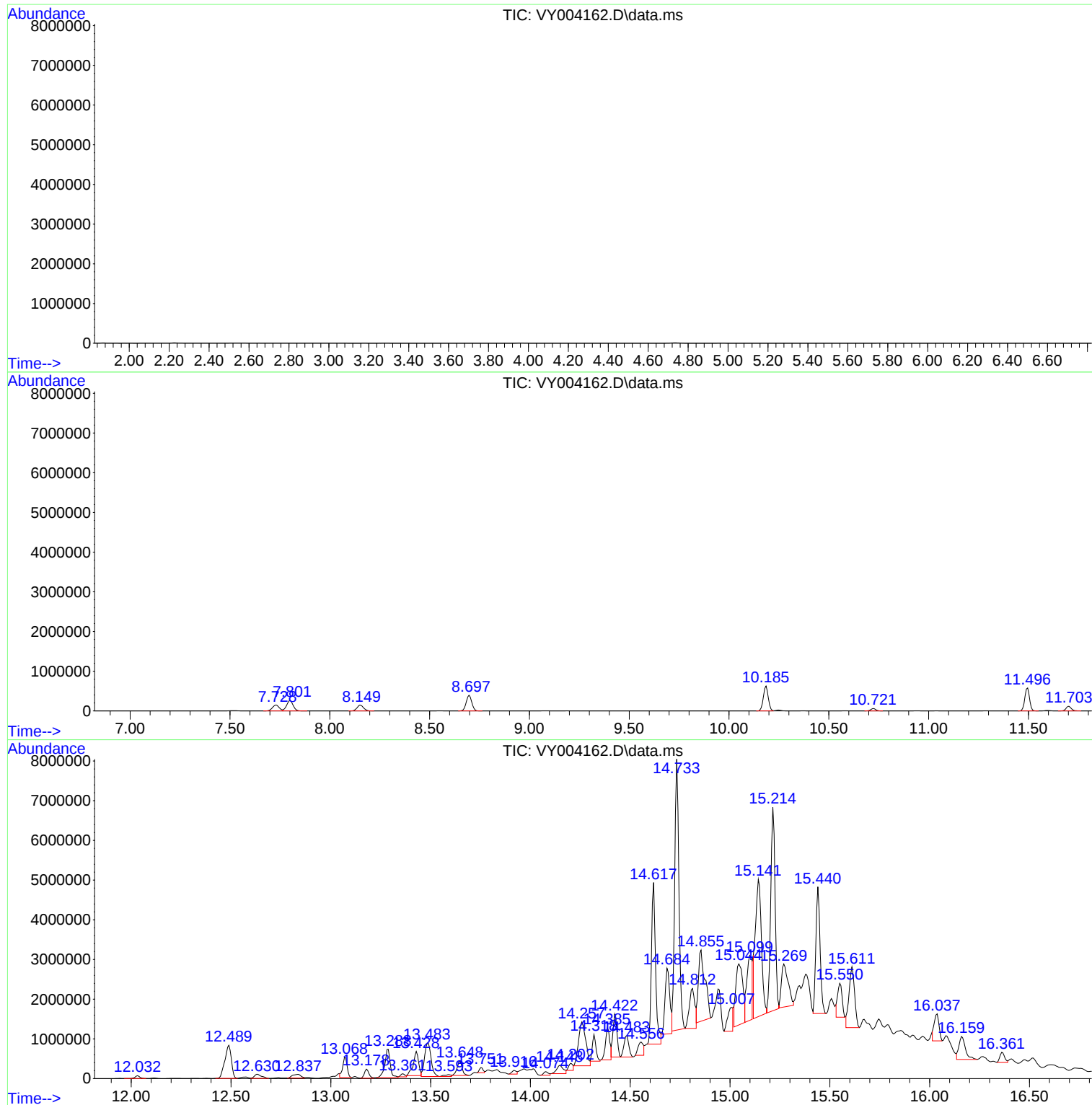
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030821S.M  
Quant Title : SW846 8260

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



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Sample : M1749-01  
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Instrument :  
MSVOA\_Y  
ClientSampleId :  
FS-SB-15-11-13

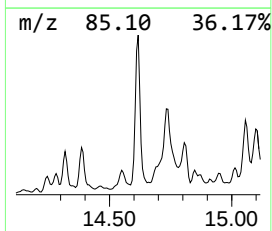
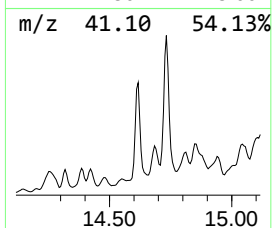
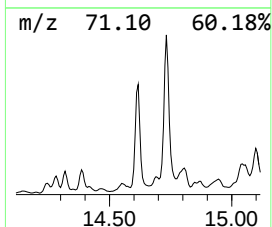
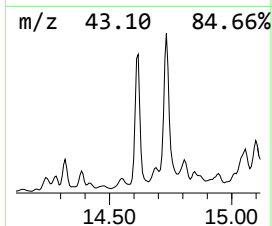
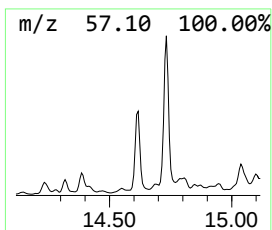
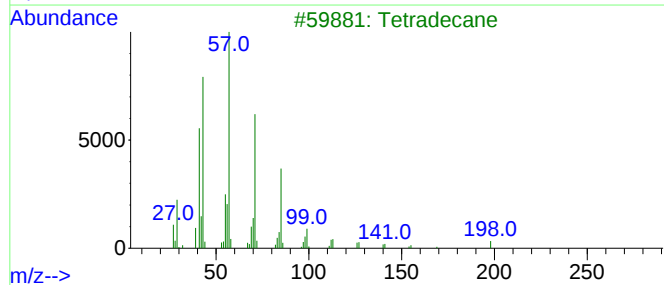
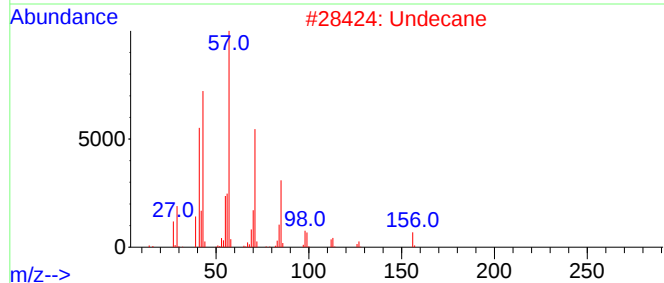
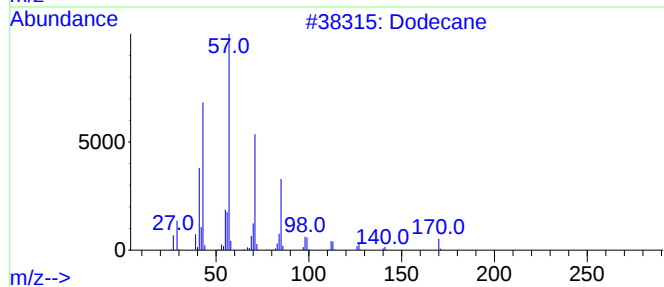
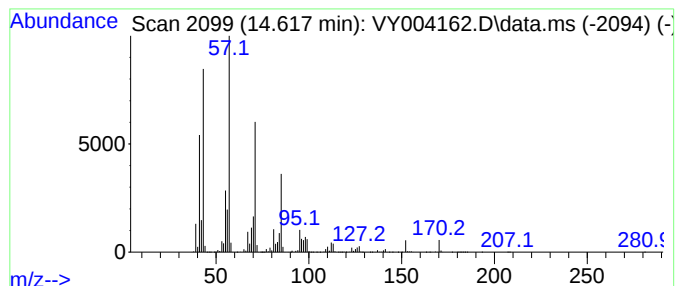
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030821S.M  
Quant Title : SW846 8260

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

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Peak Number 1 Dodecane Concentration Rank 4

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 14.617 | 254.47 ug/l | 5888480 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------|-----|---------|-------------|------|
| 1    |    |   | Dodecane     | 170 | C12H26  | 000112-40-3 | 96   |
| 2    |    |   | Undecane     | 156 | C11H24  | 001120-21-4 | 80   |
| 3    |    |   | Tetradecane  | 198 | C14H30  | 000629-59-4 | 72   |
| 4    |    |   | Hexadecane   | 226 | C16H34  | 000544-76-3 | 64   |
| 5    |    |   | Tridecane    | 184 | C13H28  | 000629-50-5 | 64   |



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Instrument :  
MSVOA\_Y  
ClientSampleId :  
FS-SB-15-11-13

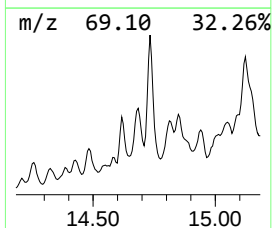
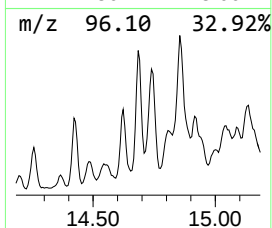
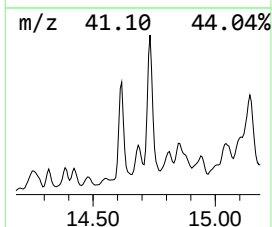
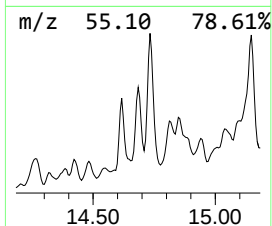
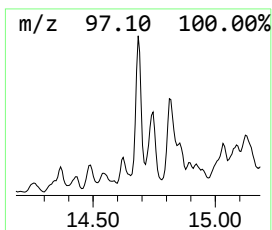
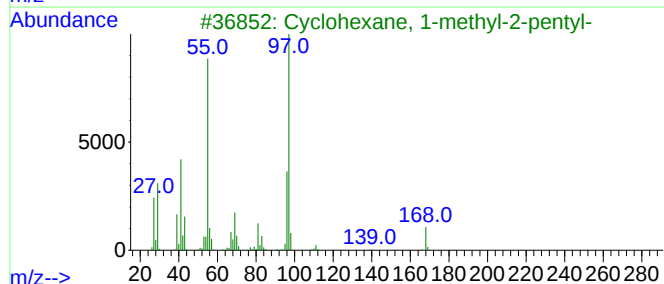
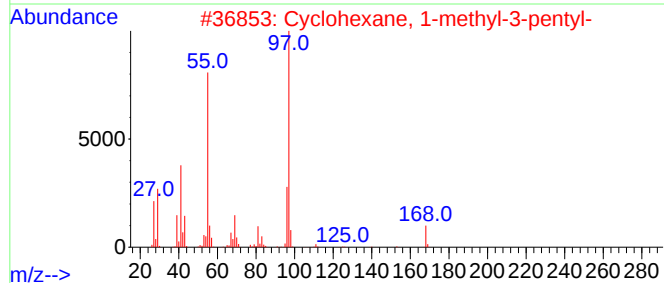
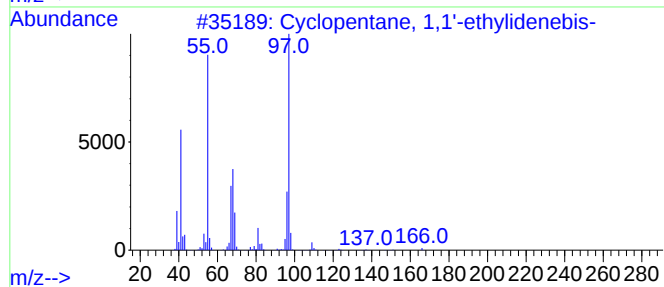
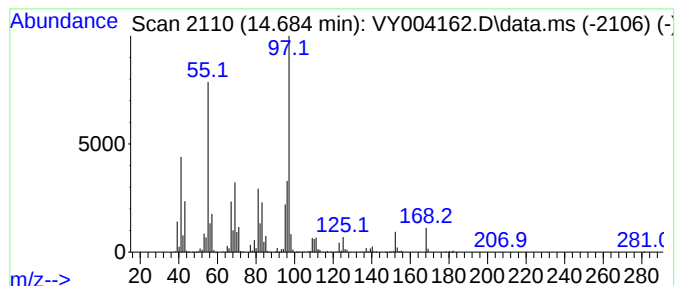
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030821S.M  
Quant Title : SW846 8260

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

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Peak Number 2 Cyclopentane, 1,1'-ethylide... Concentration Rank 10

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 14.684 | 120.15 ug/l | 2780160 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Cyclopentane, 1,1'-ethylidenebis-   | 166 | C12H22   | 004413-21-2  | 53   |
| 2    |    |   | Cyclohexane, 1-methyl-3-pentyl-     | 168 | C12H24   | 054411-02-8  | 52   |
| 3    |    |   | Cyclohexane, 1-methyl-2-pentyl-     | 168 | C12H24   | 054411-01-7  | 52   |
| 4    |    |   | 3a,7a-Epoxy-1H-inden-4(5H)-one, ... | 152 | C9H12O2  | 039746-31-1  | 52   |
| 5    |    |   | Oxalic acid, di(cyclohexylmethyl... | 282 | C16H26O4 | 1000309-68-5 | 50   |



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ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
FS-SB-15-11-13

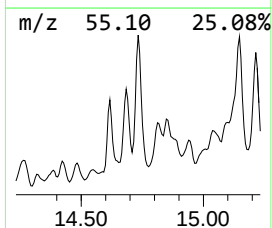
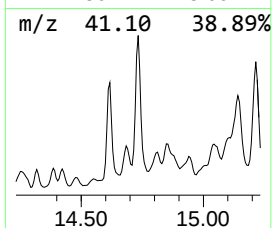
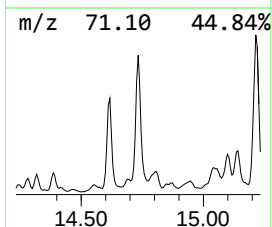
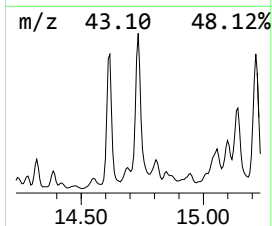
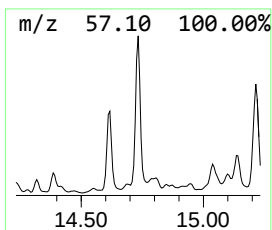
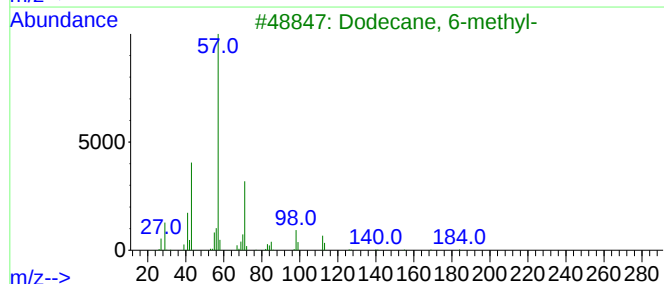
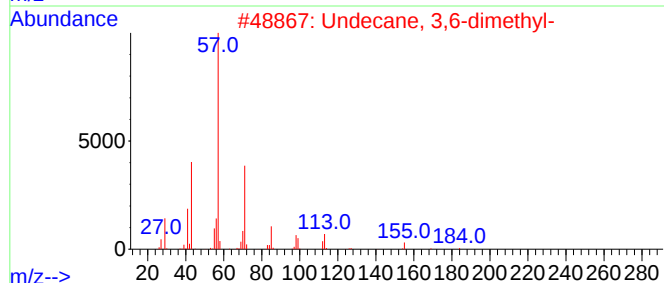
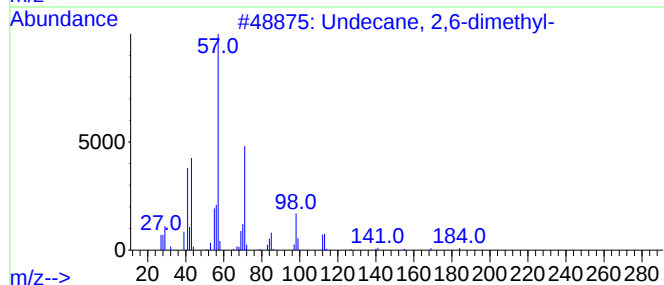
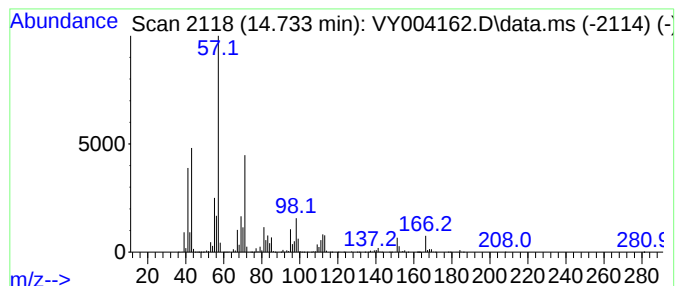
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030821S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 3 Undecane, 2,6-dimethyl- Concentration Rank 1

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 14.733 | 430.97 ug/l | 9972620 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                      | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-----------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Undecane, 2,6-dimethyl-           | 184 | C13H28    | 017301-23-4  | 93   |
| 2    |    |   | Undecane, 3,6-dimethyl-           | 184 | C13H28    | 017301-28-9  | 58   |
| 3    |    |   | Dodecane, 6-methyl-               | 184 | C13H28    | 006044-71-9  | 55   |
| 4    |    |   | Nonane, 3-methyl-                 | 142 | C10H22    | 005911-04-6  | 53   |
| 5    |    |   | Sulfurous acid, butyl octyl ester | 250 | C12H26O3S | 1000309-17-5 | 50   |



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MSVOA\_Y  
ClientSampleId :  
FS-SB-15-11-13

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030821S.M  
Quant Title : SW846 8260

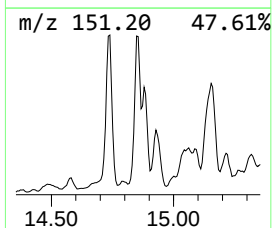
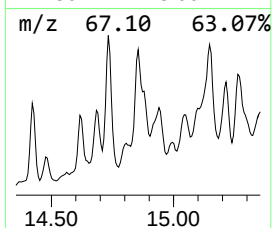
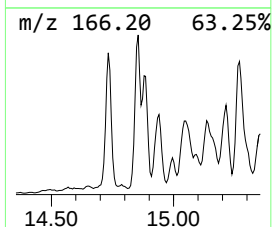
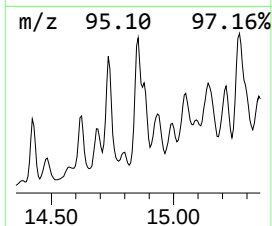
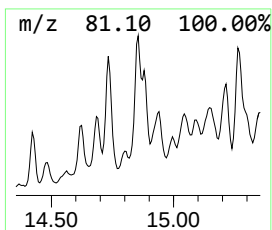
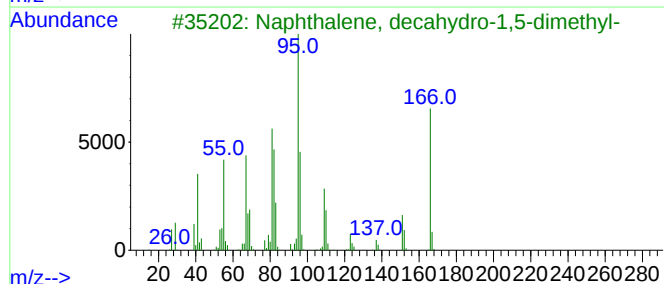
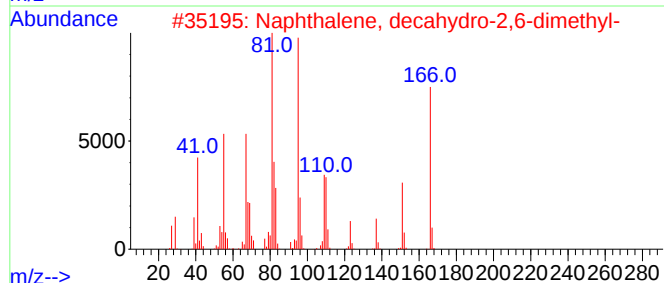
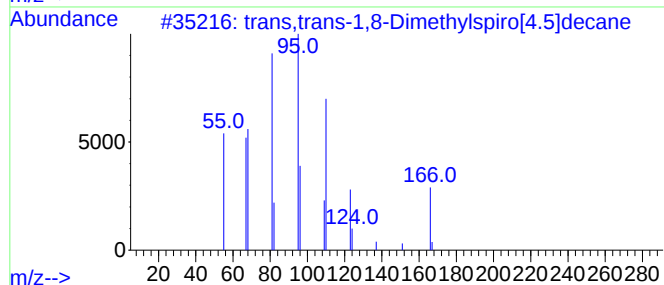
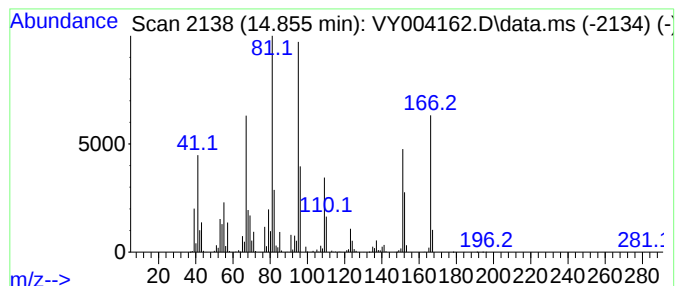
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TIC Integration Parameters: LSCINT.P

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Peak Number 4 trans,trans-1,8-Dimethylspi... Concentration Rank 6

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 14.855 | 178.60 ug/l | 4132630 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|---------|--------------|------|
| 1    |    |   | trans,trans-1,8-Dimethylspiro[4...  | 166 | C12H22  | 1000111-72-8 | 72   |
| 2    |    |   | Naphthalene, decahydro-2,6-dimet... | 166 | C12H22  | 001618-22-0  | 68   |
| 3    |    |   | Naphthalene, decahydro-1,5-dimet... | 166 | C12H22  | 066552-62-3  | 64   |
| 4    |    |   | cis,trans-1,6-Dimethylspiro[4.5]... | 166 | C12H22  | 1000111-72-3 | 62   |
| 5    |    |   | trans,trans-1,6-Dimethylspiro[4...  | 166 | C12H22  | 1000111-72-1 | 62   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY032221\  
Data File : VY004162.D  
Acq On : 22 Mar 2021 14:31  
Operator : SY/MD  
Sample : M1749-01  
Misc : 5.05g/5mL/MSVOA\_Y/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
FS-SB-15-11-13

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030821S.M  
Quant Title : SW846 8260

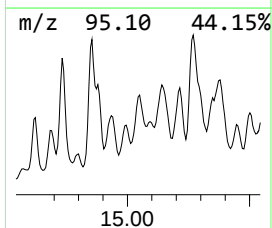
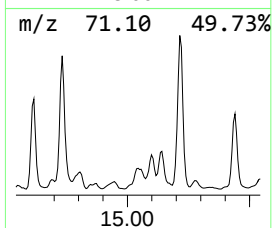
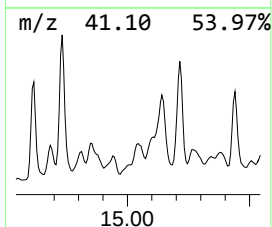
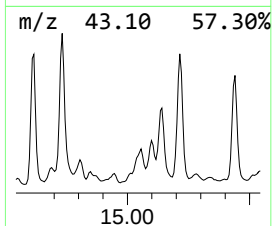
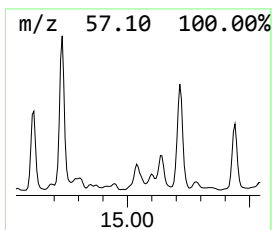
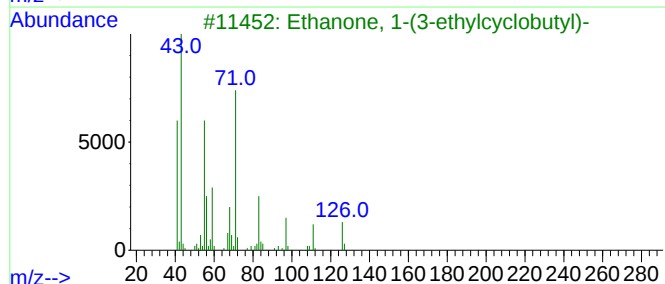
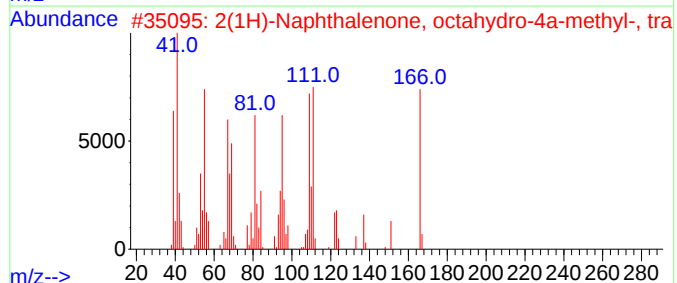
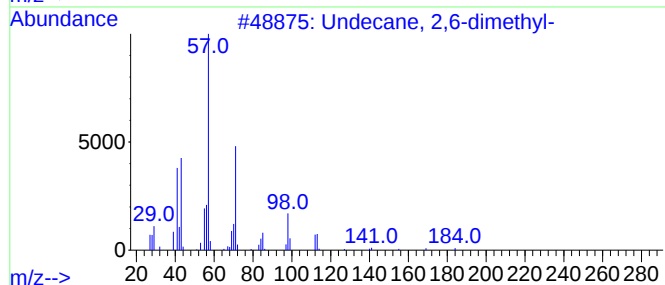
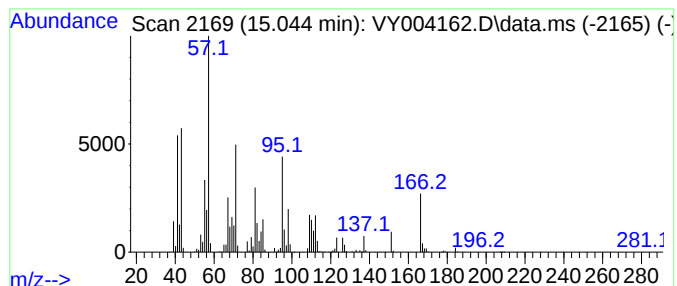
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TIC Integration Parameters: LSCINT.P

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Peak Number 5 unknown15.044 Concentration Rank 7

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 15.044 | 164.76 ug/l | 3812470 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|-----------|-------------|------|
| 1    |    |   | Undecane, 2,6-dimethyl-             | 184 | C13H28    | 017301-23-4 | 38   |
| 2    |    |   | 2(1H)-Naphthalenone, octahydro-4... | 166 | C11H18O   | 000938-07-8 | 27   |
| 3    |    |   | Ethanone, 1-(3-ethylcyclobutyl)-    | 126 | C8H14O    | 056335-71-8 | 18   |
| 4    |    |   | Cyclooctane, ethenyl-               | 138 | C10H18    | 061142-41-4 | 15   |
| 5    |    |   | Propanoic acid, 2-chloro-, 1-met... | 178 | C8H15ClO2 | 088736-64-5 | 11   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY032221\  
Data File : VY004162.D  
Acq On : 22 Mar 2021 14:31  
Operator : SY/MD  
Sample : M1749-01  
Misc : 5.05g/5mL/MSVOA\_Y/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
FS-SB-15-11-13

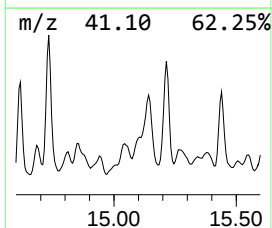
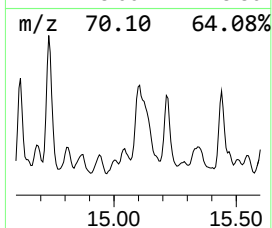
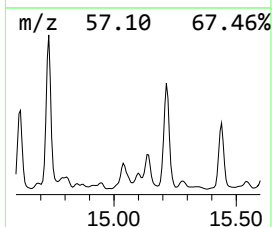
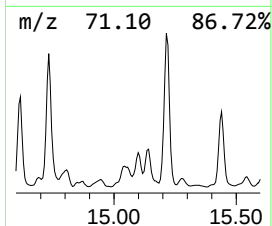
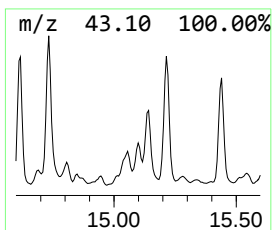
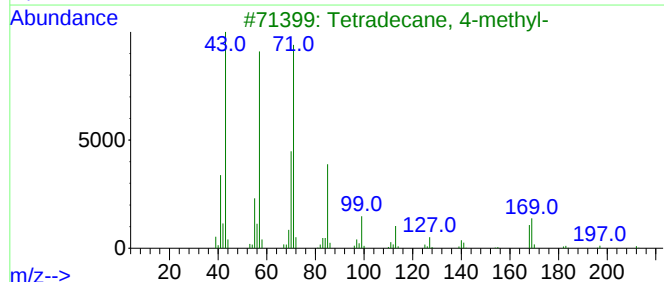
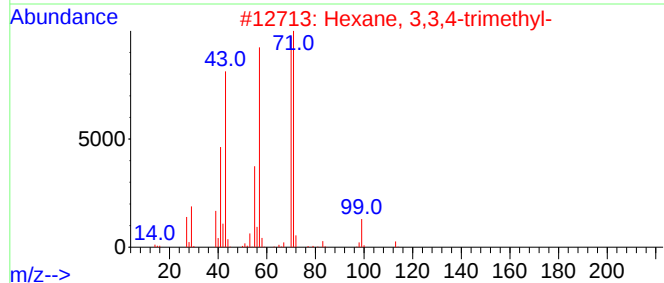
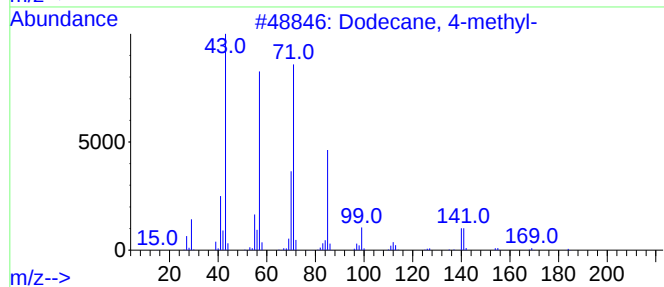
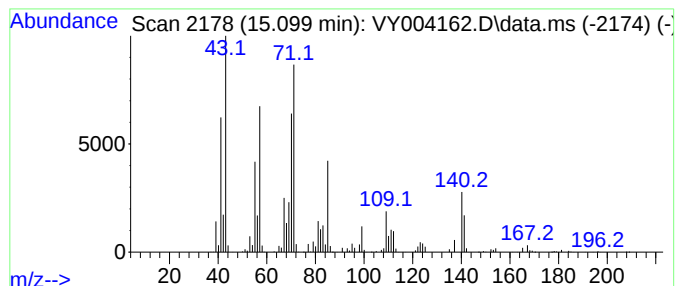
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Quant Title : SW846 8260

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

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Peak Number 6 Dodecane, 4-methyl- Concentration Rank 8

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 15.099 | 130.60 ug/l | 3022010 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Dodecane, 4-methyl-         | 184 | C13H28  | 006117-97-1 | 58   |
| 2    |    |   | Hexane, 3,3,4-trimethyl-    | 128 | C9H20   | 016747-31-2 | 38   |
| 3    |    |   | Tetradecane, 4-methyl-      | 212 | C15H32  | 025117-24-2 | 38   |
| 4    |    |   | Nonane, 5-(2-methylpropyl)- | 184 | C13H28  | 062185-53-9 | 35   |
| 5    |    |   | Cyclooctane, methoxy-       | 142 | C9H18O  | 013213-32-6 | 30   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY032221\  
Data File : VY004162.D  
Acq On : 22 Mar 2021 14:31  
Operator : SY/MD  
Sample : M1749-01  
Misc : 5.05g/5mL/MSVOA\_Y/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
FS-SB-15-11-13

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030821S.M  
Quant Title : SW846 8260

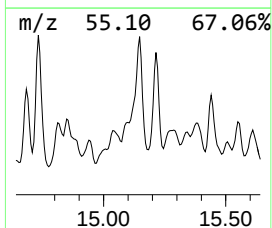
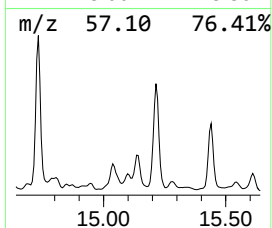
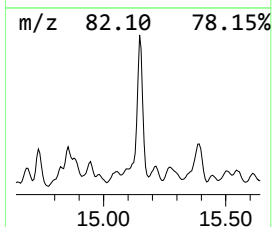
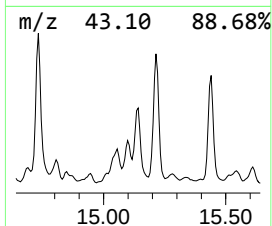
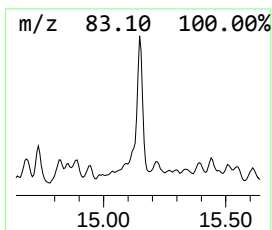
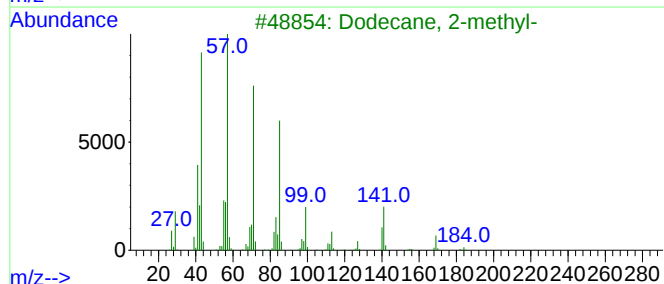
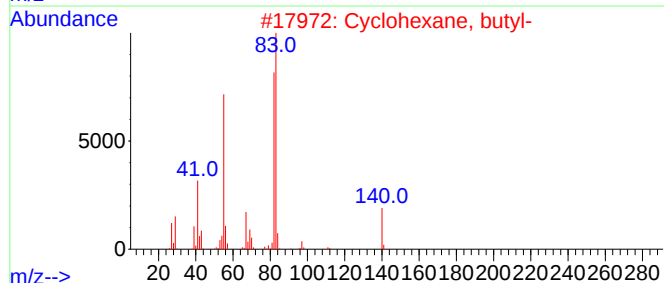
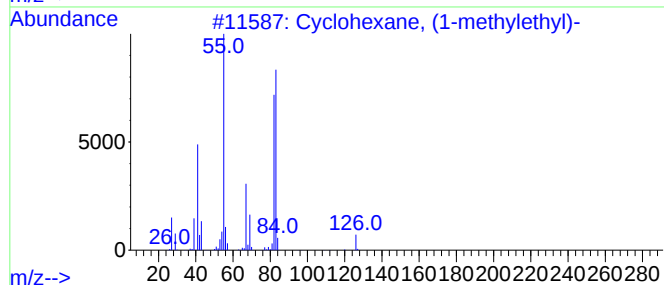
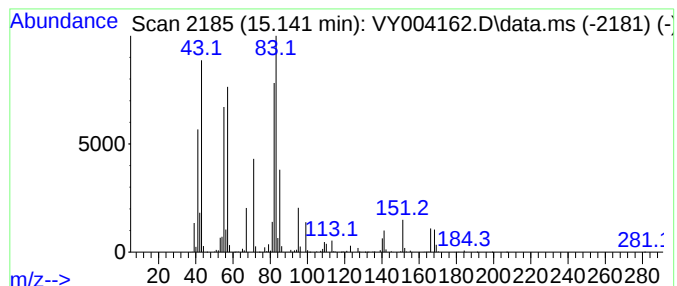
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 unknown15.141 Concentration Rank 3

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 15.141 | 310.09 ug/l | 7175340 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclohexane, (1-methylethyl)-       | 126 | C9H18   | 000696-29-7 | 38   |
| 2    |    |   | Cyclohexane, butyl-                 | 140 | C10H20  | 001678-93-9 | 38   |
| 3    |    |   | Dodecane, 2-methyl-                 | 184 | C13H28  | 001560-97-0 | 35   |
| 4    |    |   | 1,1'-Bicyclohexyl                   | 166 | C12H22  | 000092-51-3 | 22   |
| 5    |    |   | 2-Butenoic acid, 2-methyl-, 2-pr... | 140 | C8H12O2 | 007493-71-2 | 18   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY032221\  
Data File : VY004162.D  
Acq On : 22 Mar 2021 14:31  
Operator : SY/MD  
Sample : M1749-01  
Misc : 5.05g/5mL/MSVOA\_Y/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
FS-SB-15-11-13

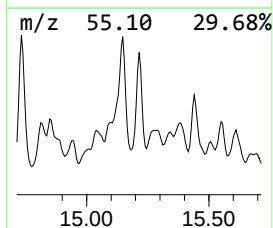
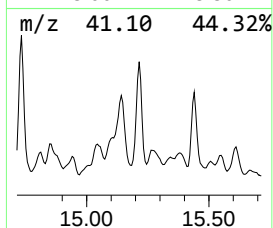
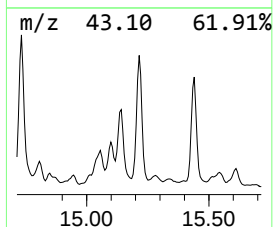
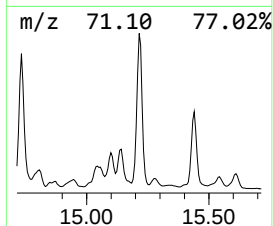
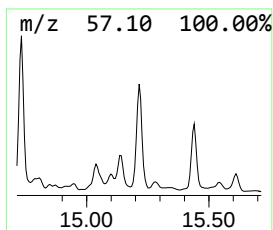
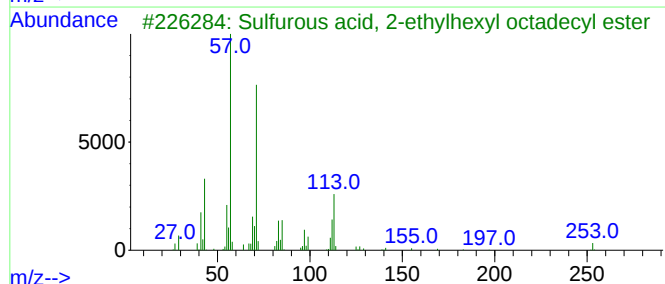
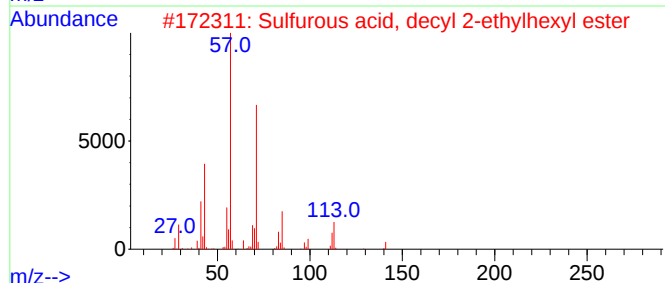
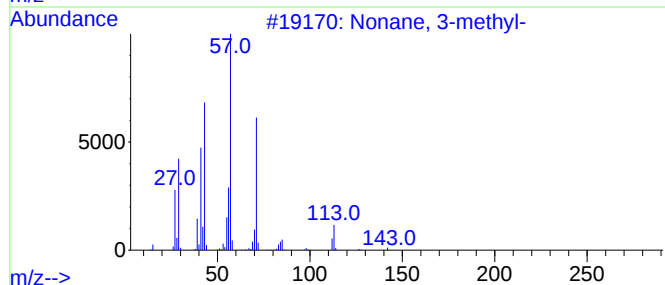
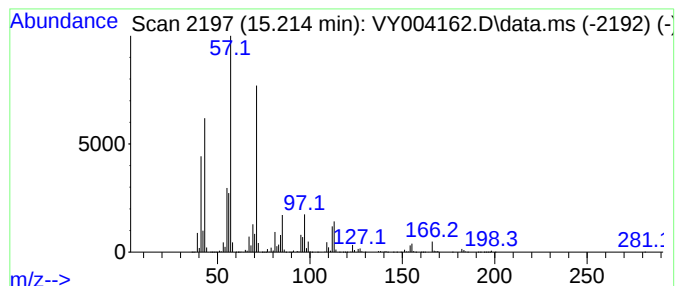
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Quant Title : SW846 8260

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

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Peak Number 8 Nonane, 3-methyl- Concentration Rank 2

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 15.214 | 339.42 ug/l | 7853980 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Nonane, 3-methyl-                   | 142 | C10H22    | 005911-04-6  | 64   |
| 2    |    |   | Sulfurous acid, decyl 2-ethylhex... | 334 | C18H38O3S | 1000309-19-3 | 64   |
| 3    |    |   | Sulfurous acid, 2-ethylhexyl oct... | 446 | C26H54O3S | 1000309-20-1 | 64   |
| 4    |    |   | Dodecane, 4,6-dimethyl-             | 198 | C14H30    | 061141-72-8  | 58   |
| 5    |    |   | Nonane, 4-methyl-5-propyl-          | 184 | C13H28    | 062185-55-1  | 58   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY032221\  
Data File : VY004162.D  
Acq On : 22 Mar 2021 14:31  
Operator : SY/MD  
Sample : M1749-01  
Misc : 5.05g/5mL/MSVOA\_Y/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
FS-SB-15-11-13

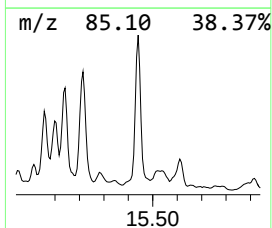
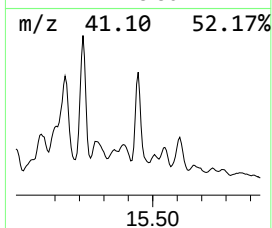
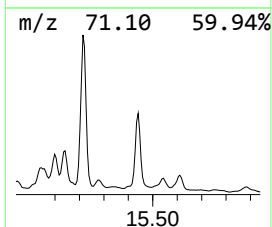
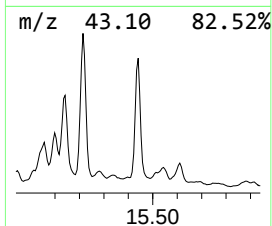
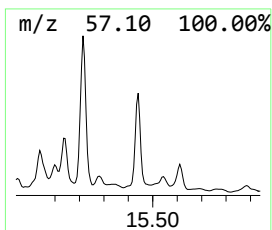
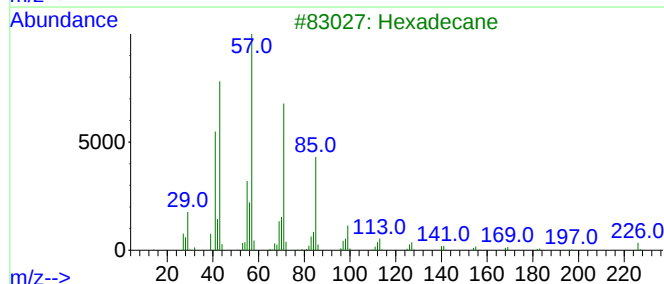
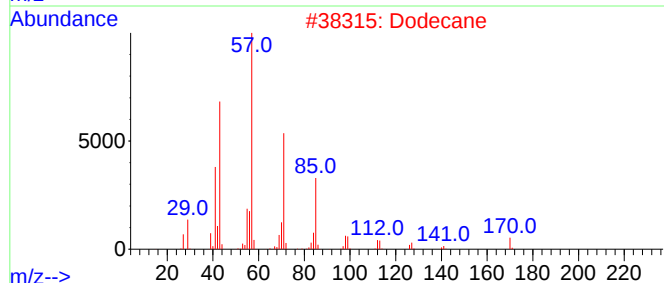
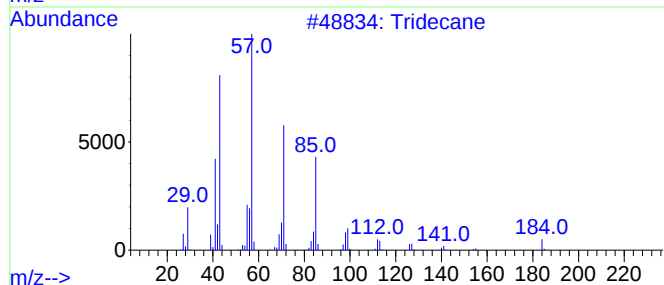
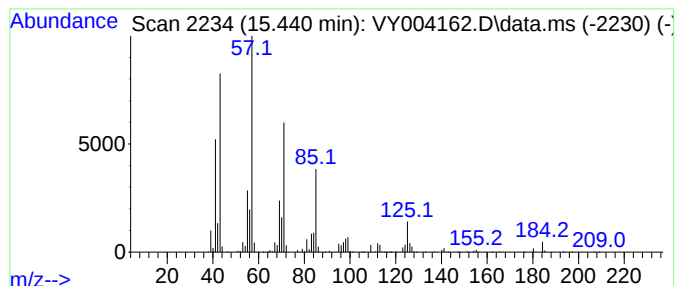
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Quant Title : SW846 8260

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

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Peak Number 9 Tridecane Concentration Rank 5

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 15.440 | 201.91 ug/l | 4672140 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------|-----|---------|-------------|------|
| 1    |    |   | Tridecane           | 184 | C13H28  | 000629-50-5 | 96   |
| 2    |    |   | Dodecane            | 170 | C12H26  | 000112-40-3 | 80   |
| 3    |    |   | Hexadecane          | 226 | C16H34  | 000544-76-3 | 72   |
| 4    |    |   | Tetradecane         | 198 | C14H30  | 000629-59-4 | 72   |
| 5    |    |   | 10-Methylnonadecane | 282 | C20H42  | 056862-62-5 | 64   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY032221\  
Data File : VY004162.D  
Acq On : 22 Mar 2021 14:31  
Operator : SY/MD  
Sample : M1749-01  
Misc : 5.05g/5mL/MSVOA\_Y/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
FS-SB-15-11-13

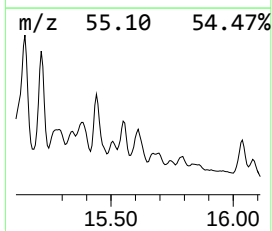
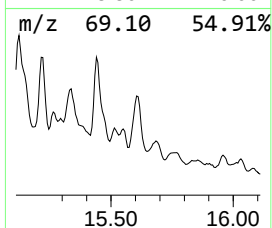
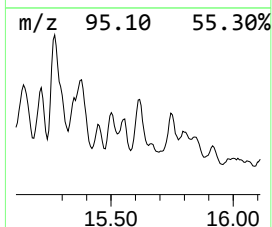
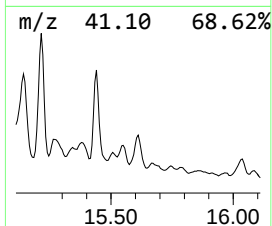
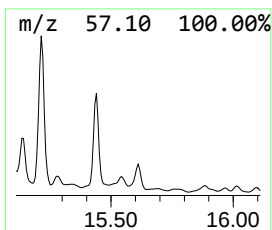
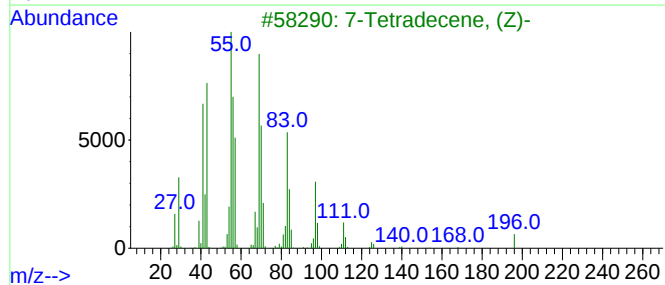
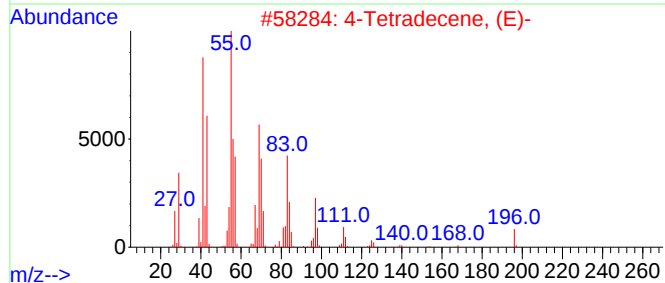
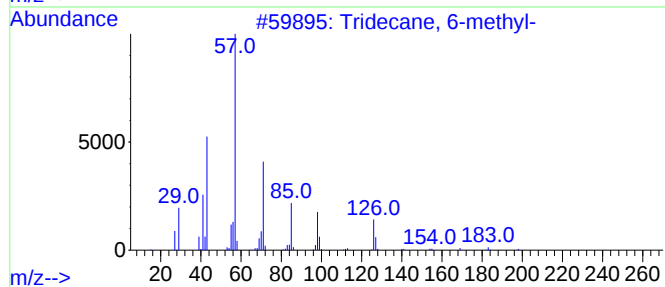
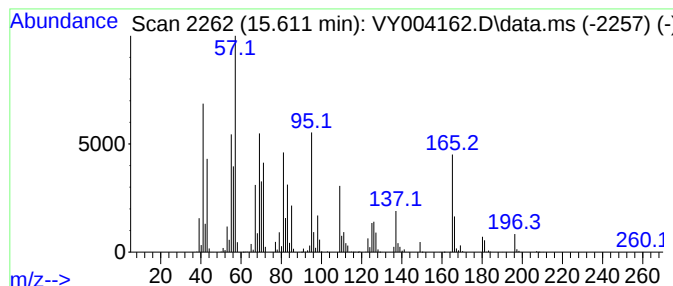
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030821S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 10 unknown15.611 Concentration Rank 9

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 15.611 | 126.73 ug/l | 2932560 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------|-----|---------|-------------|------|
| 1    |    |   | Tridecane, 6-methyl- | 198 | C14H30  | 013287-21-3 | 35   |
| 2    |    |   | 4-Tetradecene, (E)-  | 196 | C14H28  | 041446-78-0 | 25   |
| 3    |    |   | 7-Tetradecene, (Z)-  | 196 | C14H28  | 041446-60-0 | 25   |
| 4    |    |   | 3-Tetradecene, (E)-  | 196 | C14H28  | 041446-68-8 | 25   |
| 5    |    |   | 7-Tetradecene        | 196 | C14H28  | 010374-74-0 | 25   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY032221\  
Data File : VY004162.D  
Acq On : 22 Mar 2021 14:31  
Operator : SY/MD  
Sample : M1749-01  
Misc : 5.05g/5mL/MSVOA\_Y/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
FS-SB-15-11-13

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030821S.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 |
| Dodecane           | 14.617 | 254.5   | ug/l  | 5888480  | 4                     | 13.428 | 1156990 | 50.0 |
| Cyclopentane, 1... | 14.684 | 120.2   | ug/l  | 2780160  | 4                     | 13.428 | 1156990 | 50.0 |
| Undecane, 2,6-d... | 14.733 | 431.0   | ug/l  | 9972620  | 4                     | 13.428 | 1156990 | 50.0 |
| trans,trans-1,8... | 14.855 | 178.6   | ug/l  | 4132630  | 4                     | 13.428 | 1156990 | 50.0 |
| unknown15.044      | 15.044 | 164.8   | ug/l  | 3812470  | 4                     | 13.428 | 1156990 | 50.0 |
| Dodecane, 4-met... | 15.099 | 130.6   | ug/l  | 3022010  | 4                     | 13.428 | 1156990 | 50.0 |
| unknown15.141      | 15.141 | 310.1   | ug/l  | 7175340  | 4                     | 13.428 | 1156990 | 50.0 |
| Nonane, 3-methyl-  | 15.214 | 339.4   | ug/l  | 7853980  | 4                     | 13.428 | 1156990 | 50.0 |
| Tridecane          | 15.440 | 201.9   | ug/l  | 4672140  | 4                     | 13.428 | 1156990 | 50.0 |
| unknown15.611      | 15.611 | 126.7   | ug/l  | 2932560  | 4                     | 13.428 | 1156990 | 50.0 |