

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\vy062921\  
 Data File : VY005282.D  
 Acq On : 29 Jun 2021 17:51  
 Operator : SY/MD  
 Sample : M2886-03  
 Misc : 6.08G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 26878

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\82Y062221S.M

Title : SW846 8260

Signal : TIC: VY005282.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 1.869       | 3             | 8           | 24           | rVB      | 69782          | 115105        | 5.29%           | 1.080%        |
| 2         | 2.223       | 60            | 66          | 80           | rBV2     | 111251         | 212206        | 9.75%           | 1.991%        |
| 3         | 3.259       | 229           | 236         | 252          | rVB3     | 24267          | 63687         | 2.93%           | 0.598%        |
| 4         | 3.954       | 338           | 350         | 357          | rBV      | 282118         | 761790        | 34.99%          | 7.147%        |
| 5         | 4.034       | 357           | 363         | 382          | rVV      | 258151         | 725980        | 33.35%          | 6.811%        |
| 6         | 4.204       | 383           | 391         | 409          | rVB3     | 9627           | 33043         | 1.52%           | 0.310%        |
| 7         | 4.729       | 465           | 477         | 500          | rBV2     | 44170          | 160060        | 7.35%           | 1.502%        |
| 8         | 5.759       | 632           | 646         | 661          | rBV2     | 66691          | 210397        | 9.66%           | 1.974%        |
| 9         | 6.996       | 839           | 849         | 861          | rBV      | 51187          | 140706        | 6.46%           | 1.320%        |
| 10        | 7.515       | 925           | 934         | 943          | rBV      | 22443          | 54603         | 2.51%           | 0.512%        |
| 11        | 7.728       | 957           | 969         | 974          | rBV      | 122482         | 292920        | 13.46%          | 2.748%        |
| 12        | 7.795       | 974           | 980         | 991          | rVB      | 214369         | 488970        | 22.46%          | 4.587%        |
| 13        | 8.149       | 1029          | 1038        | 1051         | rBV2     | 120492         | 286610        | 13.17%          | 2.689%        |
| 14        | 8.551       | 1096          | 1104        | 1113         | rBV4     | 12377          | 27803         | 1.28%           | 0.261%        |
| 15        | 8.697       | 1119          | 1128        | 1137         | rBV      | 311273         | 619682        | 28.46%          | 5.814%        |
| 16        | 10.075      | 1346          | 1354        | 1364         | rBV      | 23052          | 39138         | 1.80%           | 0.367%        |
| 17        | 10.185      | 1364          | 1372        | 1378         | rBV      | 483699         | 826049        | 37.94%          | 7.750%        |
| 18        | 10.246      | 1378          | 1382        | 1387         | rVB      | 25113          | 40975         | 1.88%           | 0.384%        |
| 19        | 10.374      | 1395          | 1403        | 1411         | rVB      | 45687          | 76889         | 3.53%           | 0.721%        |
| 20        | 11.496      | 1578          | 1587        | 1596         | rBV      | 362732         | 598160        | 27.48%          | 5.612%        |
| 21        | 11.593      | 1596          | 1603        | 1610         | rBV2     | 15192          | 30870         | 1.42%           | 0.290%        |
| 22        | 11.709      | 1616          | 1622        | 1632         | rVB4     | 24984          | 54059         | 2.48%           | 0.507%        |
| 23        | 12.044      | 1665          | 1677        | 1683         | rVB5     | 19575          | 46716         | 2.15%           | 0.438%        |
| 24        | 12.337      | 1719          | 1725        | 1731         | rBV      | 133654         | 217983        | 10.01%          | 2.045%        |
| 25        | 12.495      | 1744          | 1751        | 1761         | rVB      | 1268482        | 2177026       | 100.00%         | 20.425%       |
| 26        | 12.806      | 1797          | 1802        | 1809         | rVV2     | 63488          | 104594        | 4.80%           | 0.981%        |
| 27        | 13.087      | 1843          | 1848        | 1852         | rBV2     | 41206          | 62476         | 2.87%           | 0.586%        |
| 28        | 13.166      | 1857          | 1861        | 1868         | rVB2     | 36022          | 54906         | 2.52%           | 0.515%        |
| 29        | 13.367      | 1884          | 1894        | 1898         | rVV6     | 17932          | 55535         | 2.55%           | 0.521%        |
| 30        | 13.428      | 1898          | 1904        | 1909         | rVV      | 158796         | 247796        | 11.38%          | 2.325%        |
| 31        | 13.495      | 1910          | 1915        | 1920         | rVB4     | 36253          | 63383         | 2.91%           | 0.595%        |
| 32        | 13.751      | 1951          | 1957        | 1962         | rBV2     | 64509          | 107273        | 4.93%           | 1.006%        |
| 33        | 13.806      | 1962          | 1966        | 1970         | rVB2     | 15800          | 27740         | 1.27%           | 0.260%        |
| 34        | 13.965      | 1988          | 1992        | 1998         | rVB3     | 40108          | 65538         | 3.01%           | 0.615%        |
| 35        | 14.081      | 2006          | 2011        | 2014         | rBV7     | 19120          | 35493         | 1.63%           | 0.333%        |
| 36        | 14.202      | 2026          | 2031        | 2035         | rBV5     | 21645          | 36444         | 1.67%           | 0.342%        |

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Sample : M2886-03  
Misc : 6.08G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
26878

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\82Y062221S.M

Title : SW846 8260

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 37 | 14.257 | 2035 | 2040 | 2046 | rBV3 | 78496  | 139361 | 6.40%  | 1.307% |
| 38 | 14.385 | 2056 | 2061 | 2063 | rBV4 | 17871  | 28764  | 1.32%  | 0.270% |
| 39 | 14.422 | 2063 | 2067 | 2071 | rVV3 | 53713  | 80902  | 3.72%  | 0.759% |
| 40 | 14.477 | 2071 | 2076 | 2082 | rVV3 | 61697  | 103861 | 4.77%  | 0.974% |
| 41 | 14.617 | 2095 | 2099 | 2105 | rVB3 | 43595  | 66358  | 3.05%  | 0.623% |
| 42 | 14.684 | 2105 | 2110 | 2114 | rBV5 | 55950  | 105427 | 4.84%  | 0.989% |
| 43 | 14.733 | 2114 | 2118 | 2125 | rVB4 | 117885 | 206444 | 9.48%  | 1.937% |
| 44 | 14.849 | 2126 | 2137 | 2140 | rBV5 | 97394  | 222188 | 10.21% | 2.085% |
| 45 | 14.940 | 2147 | 2152 | 2157 | rVB3 | 80127  | 139427 | 6.40%  | 1.308% |
| 46 | 15.038 | 2165 | 2168 | 2174 | rBV8 | 32578  | 68183  | 3.13%  | 0.640% |
| 47 | 15.214 | 2193 | 2197 | 2201 | rBV6 | 34855  | 71599  | 3.29%  | 0.672% |
| 48 | 15.446 | 2231 | 2235 | 2240 | rBV6 | 66759  | 113590 | 5.22%  | 1.066% |
| 49 | 15.605 | 2257 | 2261 | 2269 | rVB5 | 66621  | 150090 | 6.89%  | 1.408% |

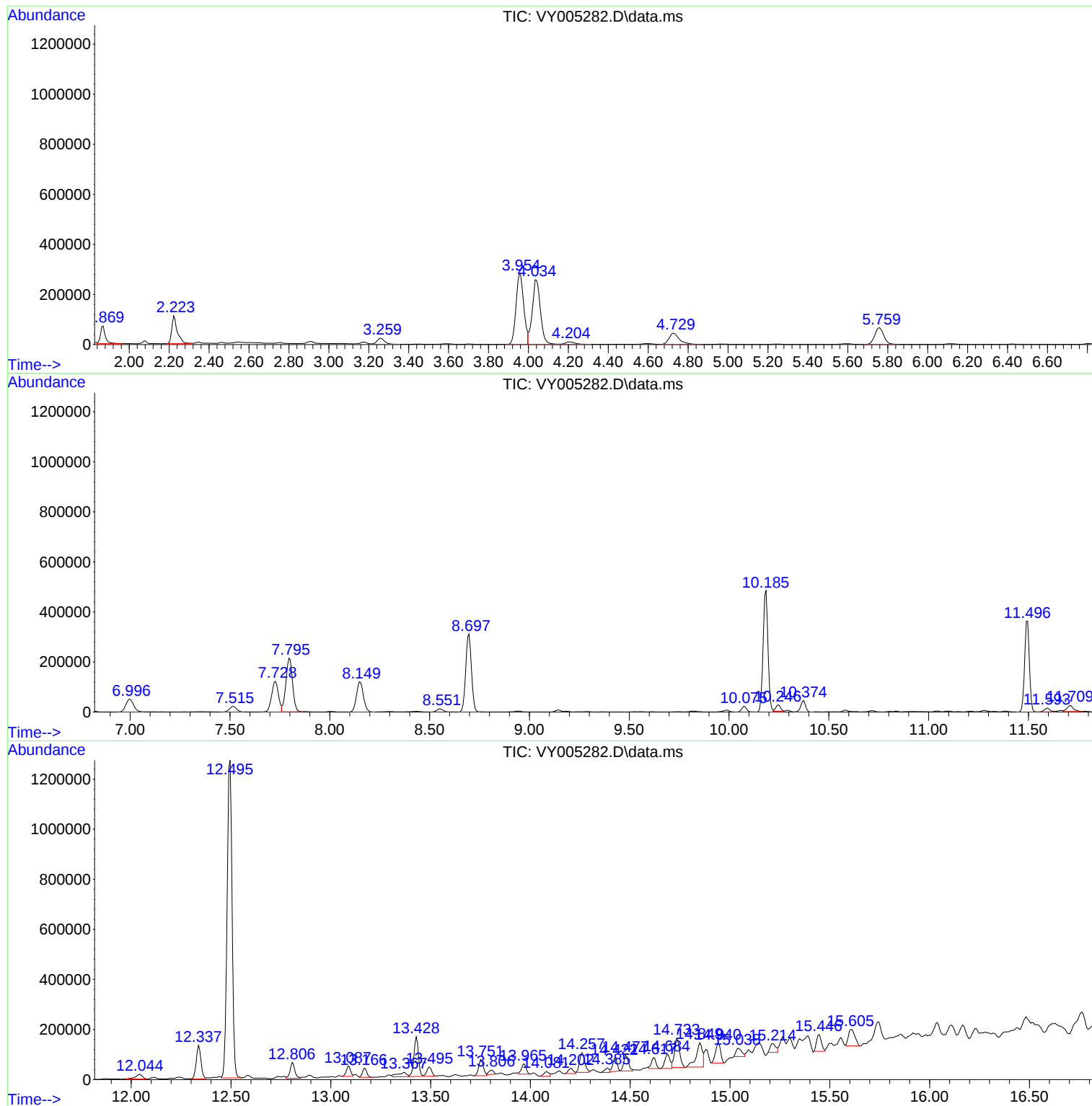
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ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
26878

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062221S.M  
Quant Title : SW846 8260

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



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Instrument :  
MSVOA\_Y  
ClientSampleId :  
26878

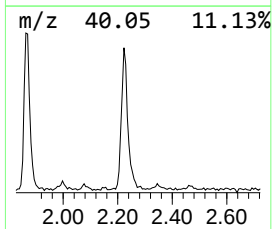
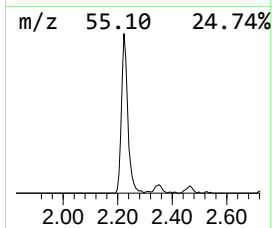
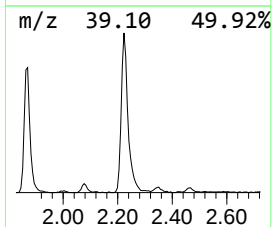
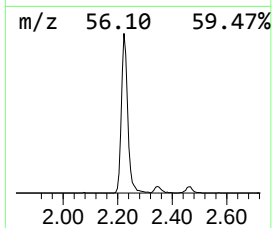
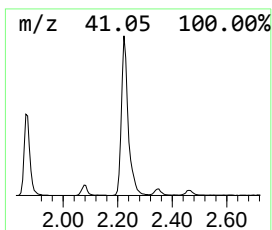
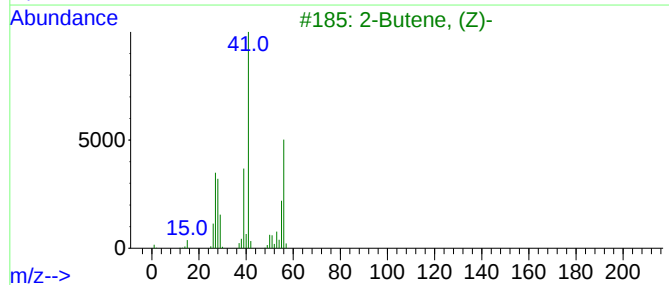
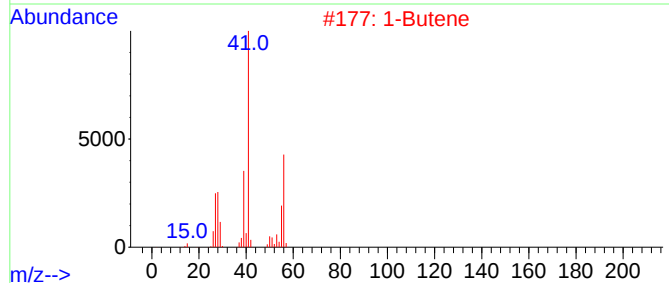
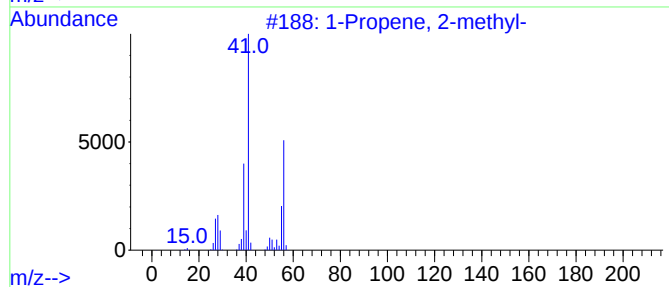
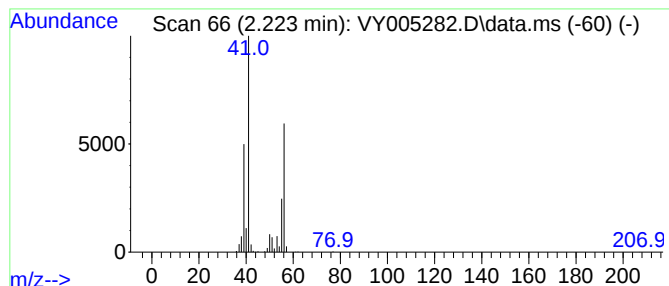
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Quant Title : SW846 8260

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

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Peak Number 1 1-Propene, 2-methyl- Concentration Rank 8

| R.T.  | EstConc    | Area   | Relative to ISTD   | R.T.  |
|-------|------------|--------|--------------------|-------|
| 2.223 | 21.70 ug/l | 212206 | Pentafluorobenzene | 7.801 |

| Hit# | of | 5 | Tentative ID         | MW | MolForm | CAS#        | Qual |
|------|----|---|----------------------|----|---------|-------------|------|
| 1    |    |   | 1-Propene, 2-methyl- | 56 | C4H8    | 000115-11-7 | 90   |
| 2    |    |   | 1-Butene             | 56 | C4H8    | 000106-98-9 | 87   |
| 3    |    |   | 2-Butene, (Z)-       | 56 | C4H8    | 000590-18-1 | 80   |
| 4    |    |   | 2-Butene, (E)-       | 56 | C4H8    | 000624-64-6 | 80   |
| 5    |    |   | 2-Butene             | 56 | C4H8    | 000107-01-7 | 72   |



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Misc : 6.08G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
26878

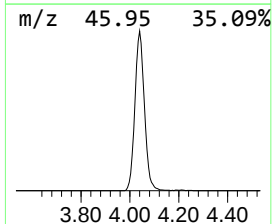
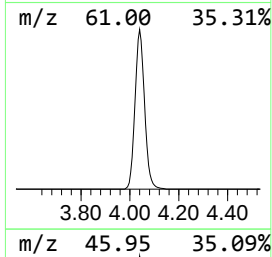
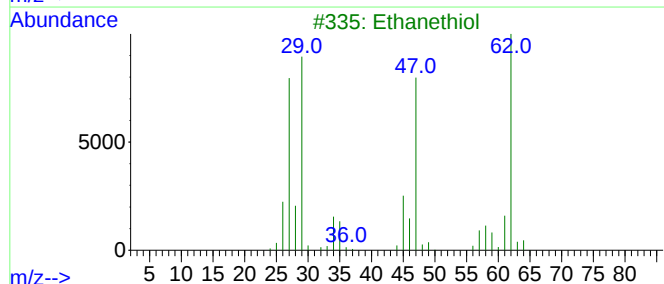
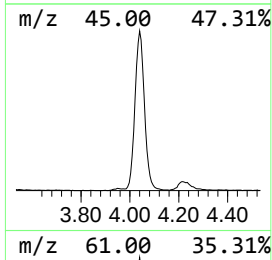
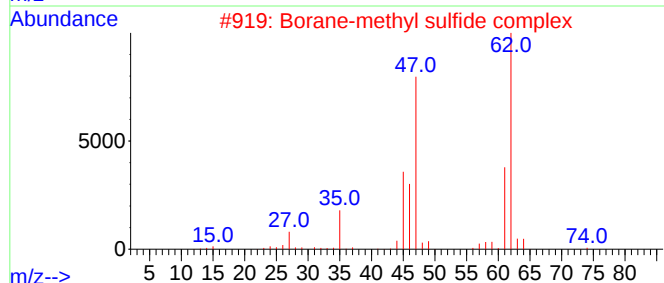
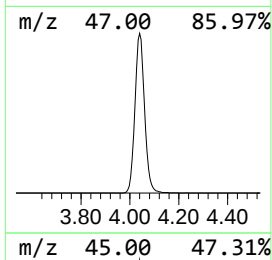
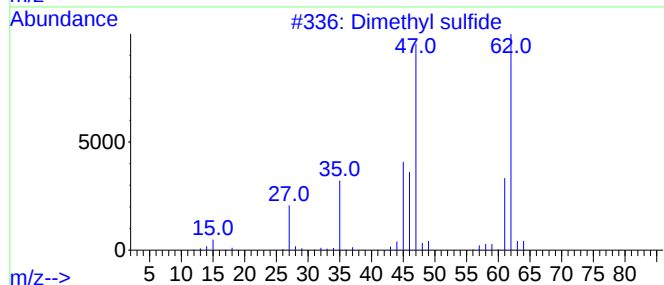
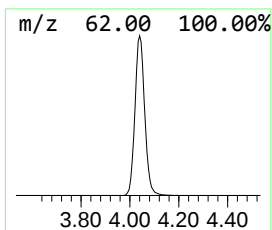
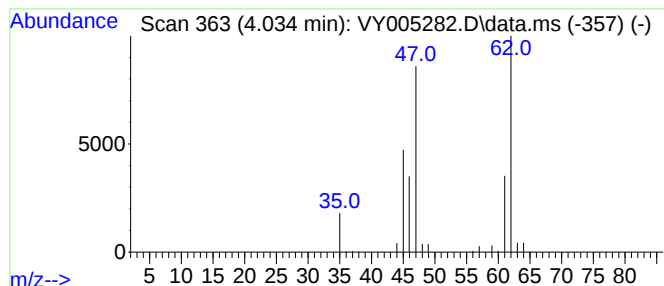
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062221S.M  
Quant Title : SW846 8260

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

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Peak Number 2 Dimethyl sulfide Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD   | R.T.  |
|-------|------------|--------|--------------------|-------|
| 4.034 | 74.24 ug/l | 725980 | Pentafluorobenzene | 7.801 |

| Hit# | of | 5 | Tentative ID                  | MW | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------|----|---------|-------------|------|
| 1    |    |   | Dimethyl sulfide              | 62 | C2H6S   | 000075-18-3 | 94   |
| 2    |    |   | Borane-methyl sulfide complex | 76 | C2H9BS  | 013292-87-0 | 90   |
| 3    |    |   | Ethanethiol                   | 62 | C2H6S   | 000075-08-1 | 86   |
| 4    |    |   | Ethene, chloro-               | 62 | C2H3Cl  | 000075-01-4 | 40   |
| 5    |    |   | Propane, 2-fluoro-            | 62 | C3H7F   | 000420-26-8 | 7    |



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Misc : 6.08G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
26878

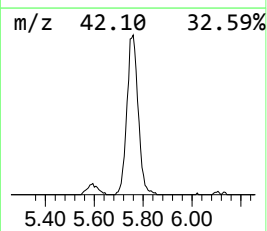
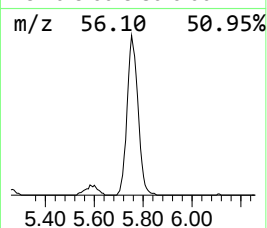
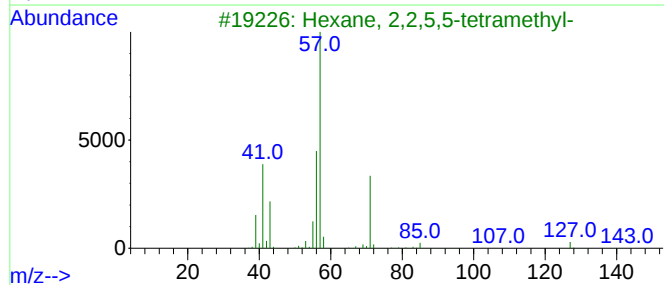
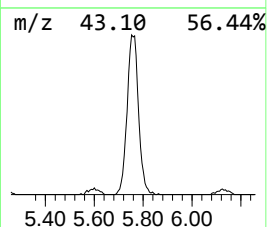
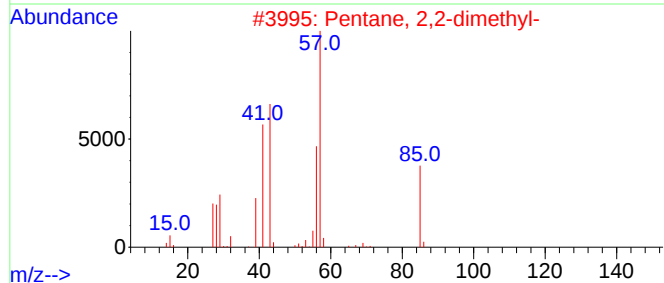
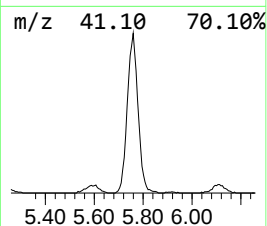
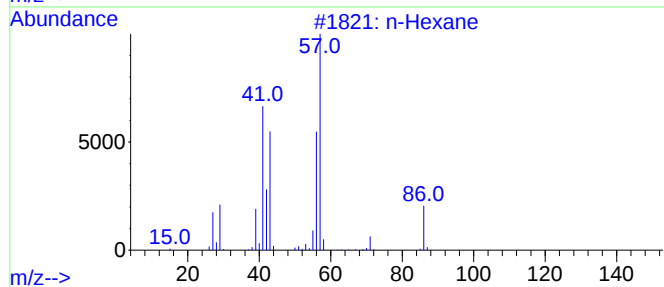
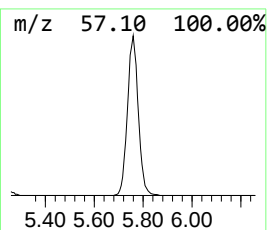
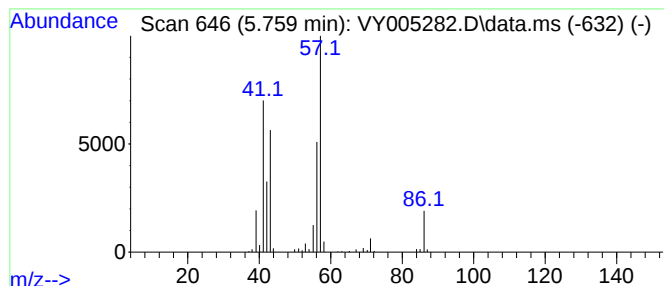
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062221S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 3 n-Hexane Concentration Rank 10

| R.T.  | EstConc    | Area   | Relative to ISTD   | R.T.  |
|-------|------------|--------|--------------------|-------|
| 5.759 | 21.51 ug/l | 210397 | Pentafluorobenzene | 7.801 |

| Hit# | of | 5 | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------|-----|---------|-------------|------|
| 1    |    |   | n-Hexane                      | 86  | C6H14   | 000110-54-3 | 94   |
| 2    |    |   | Pentane, 2,2-dimethyl-        | 100 | C7H16   | 000590-35-2 | 47   |
| 3    |    |   | Hexane, 2,2,5,5-tetramethyl-  | 142 | C10H22  | 001071-81-4 | 47   |
| 4    |    |   | Pentane, 2,2,3,4-tetramethyl- | 128 | C9H20   | 001186-53-4 | 43   |
| 5    |    |   | Pentane, 2,4-dimethyl-        | 100 | C7H16   | 000108-08-7 | 39   |



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ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
26878

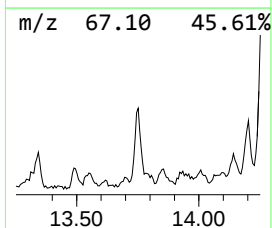
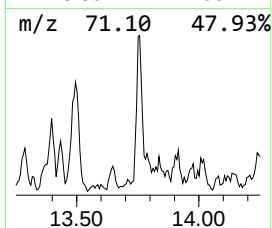
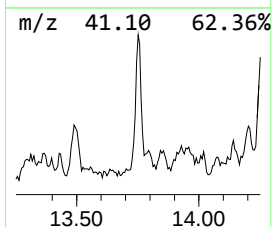
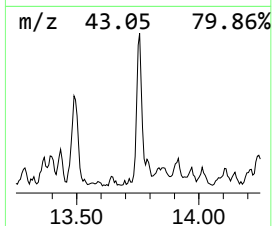
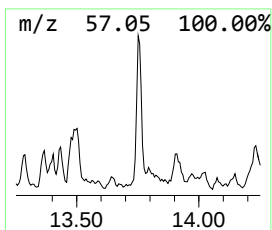
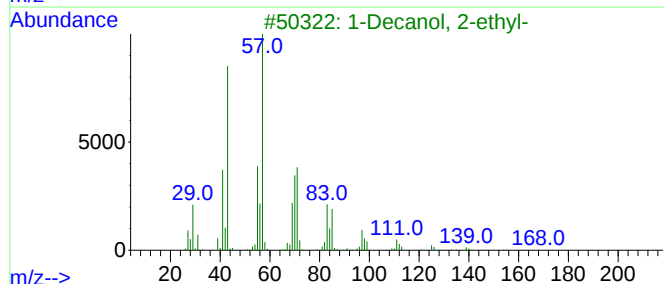
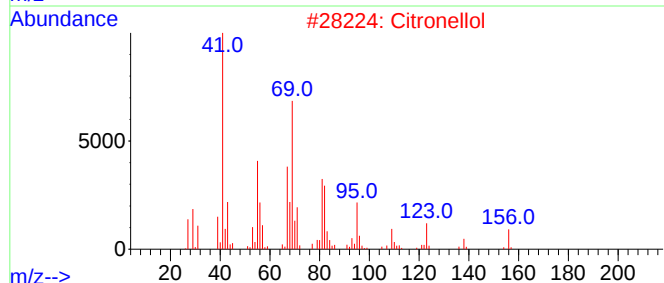
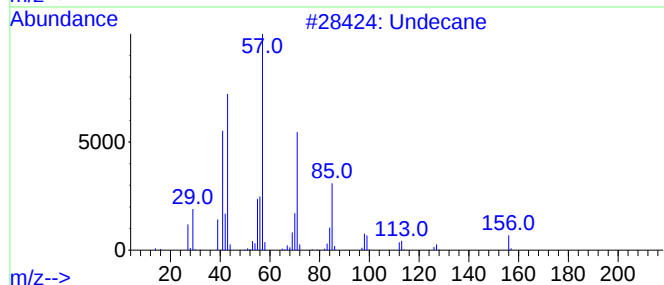
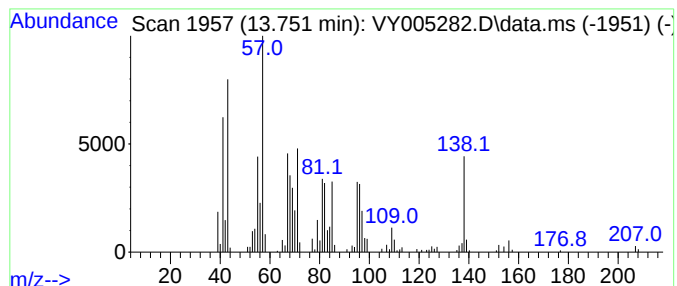
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Quant Title : SW846 8260

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

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Peak Number 4 unknown13.751 Concentration Rank 9

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 13.751 | 21.65 ug/l | 107273 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------|-----|----------|-------------|------|
| 1    |    |   | Undecane                | 156 | C11H24   | 001120-21-4 | 47   |
| 2    |    |   | Citronellol             | 156 | C10H20O  | 000106-22-9 | 35   |
| 3    |    |   | 1-Decanol, 2-ethyl-     | 186 | C12H26O  | 021078-65-9 | 22   |
| 4    |    |   | Decane, 1,1'-oxybis-    | 298 | C20H42O  | 002456-28-2 | 22   |
| 5    |    |   | Hydroxylamine, O-decyl- | 173 | C10H23NO | 029812-79-1 | 18   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\vy062921\  
Data File : VY005282.D  
Acq On : 29 Jun 2021 17:51  
Operator : SY/MD  
Sample : M2886-03  
Misc : 6.08G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
26878

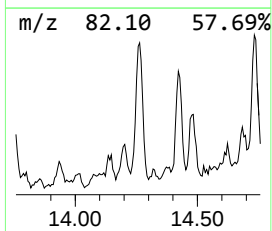
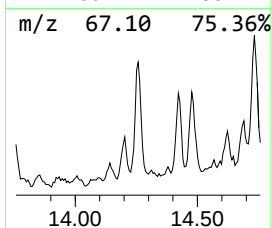
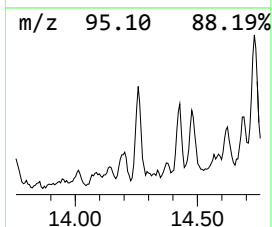
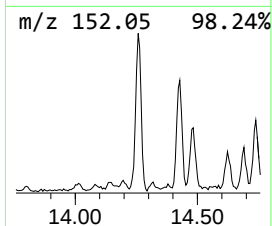
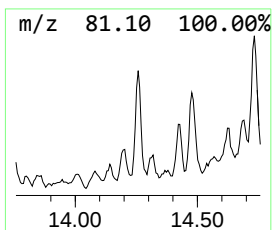
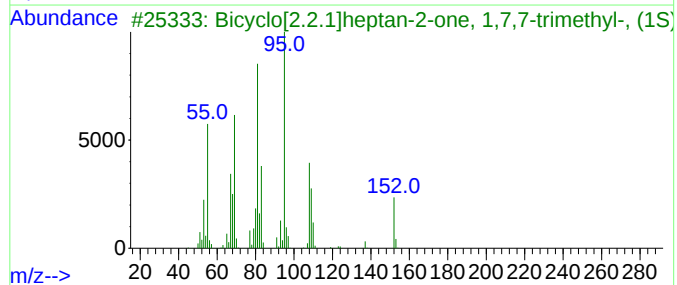
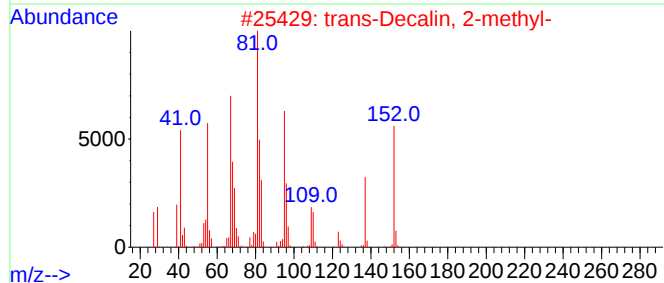
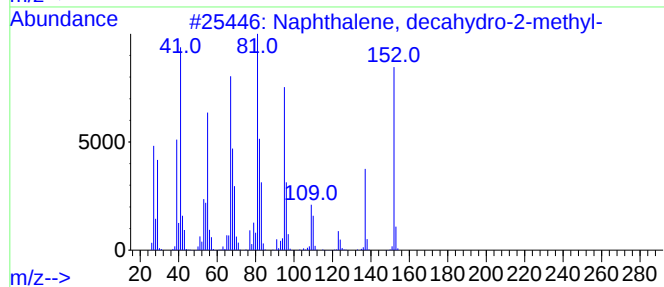
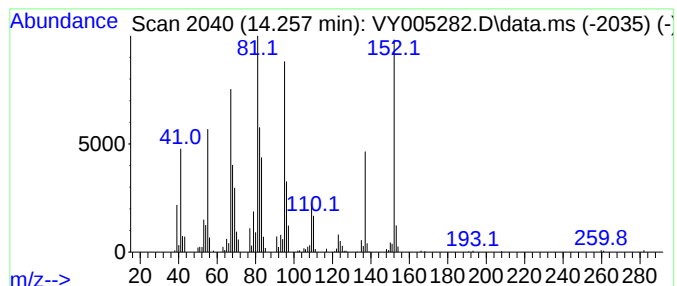
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Quant Title : SW846 8260

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

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Peak Number 5 Naphthalene, decahydro-2-me... Concentration Rank 6

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 14.257 | 28.12 ug/l | 139361 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Naphthalene, decahydro-2-methyl-    | 152 | C11H20   | 002958-76-1  | 97   |
| 2    |    |   | trans-Decalin, 2-methyl-            | 152 | C11H20   | 1000152-47-3 | 97   |
| 3    |    |   | Bicyclo[2.2.1]heptan-2-one, 1,7,... | 152 | C10H16O  | 000464-48-2  | 68   |
| 4    |    |   | Bicyclo[4.1.0]heptan-3-one, 4,7,... | 152 | C10H16O  | 004176-01-6  | 58   |
| 5    |    |   | 7-Heptadecyne, 1-chloro-            | 270 | C17H31Cl | 056554-74-6  | 58   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\vy062921\  
Data File : VY005282.D  
Acq On : 29 Jun 2021 17:51  
Operator : SY/MD  
Sample : M2886-03  
Misc : 6.08G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
26878

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062221S.M  
Quant Title : SW846 8260

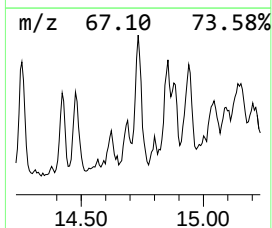
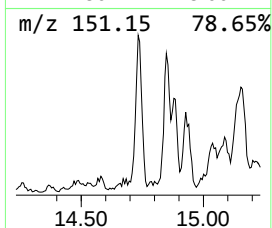
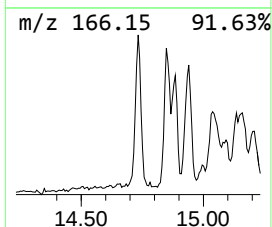
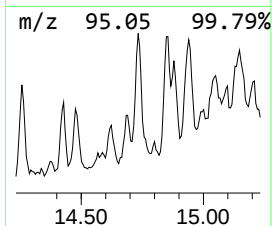
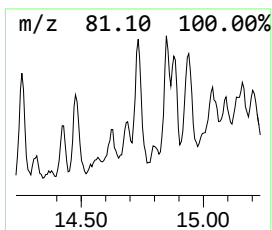
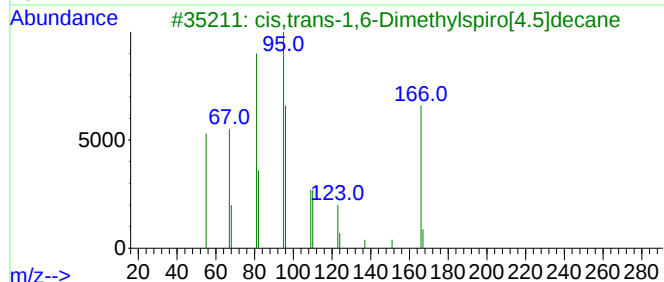
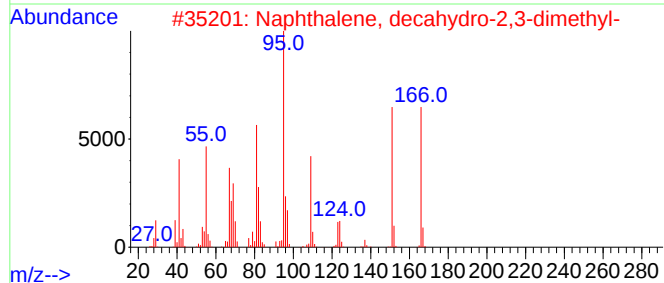
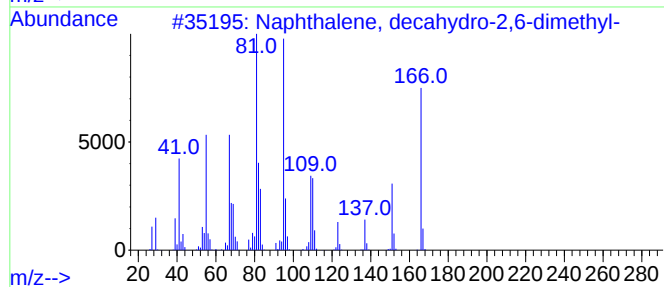
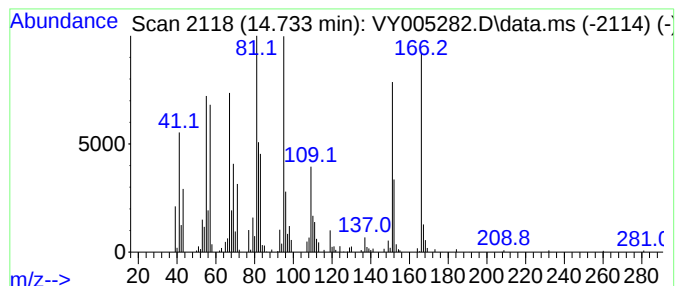
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Naphthalene, decahydro-2,6-... Concentration Rank 3

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 14.733 | 41.66 ug/l | 206444 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|---------|--------------|------|
| 1    |    |   | Naphthalene, decahydro-2,6-dimet... | 166 | C12H22  | 001618-22-0  | 89   |
| 2    |    |   | Naphthalene, decahydro-2,3-dimet... | 166 | C12H22  | 001008-80-6  | 68   |
| 3    |    |   | cis,trans-1,6-Dimethylspiro[4.5]... | 166 | C12H22  | 1000111-72-3 | 64   |
| 4    |    |   | 1H-Indene, 1-ethyloctahydro-7a-m... | 166 | C12H22  | 056324-71-1  | 62   |
| 5    |    |   | Naphthalene, decahydro-2-methyl-    | 152 | C11H20  | 002958-76-1  | 60   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\vy062921\  
Data File : VY005282.D  
Acq On : 29 Jun 2021 17:51  
Operator : SY/MD  
Sample : M2886-03  
Misc : 6.08G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
26878

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062221S.M  
Quant Title : SW846 8260

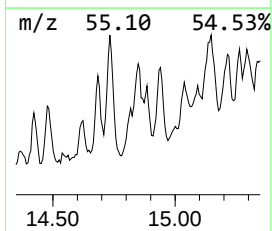
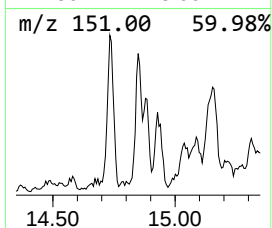
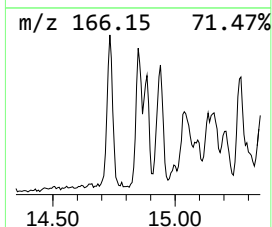
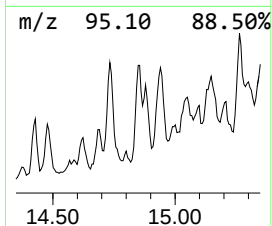
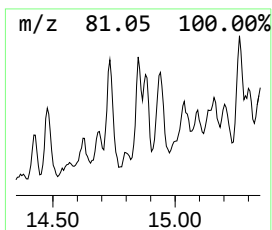
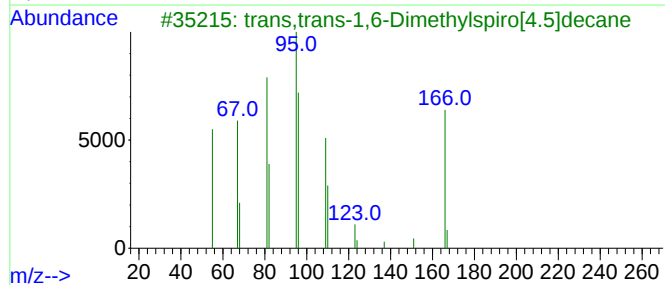
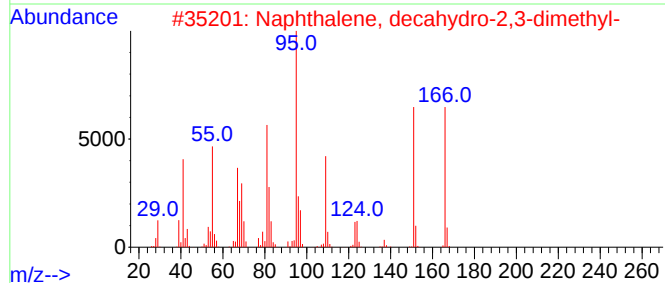
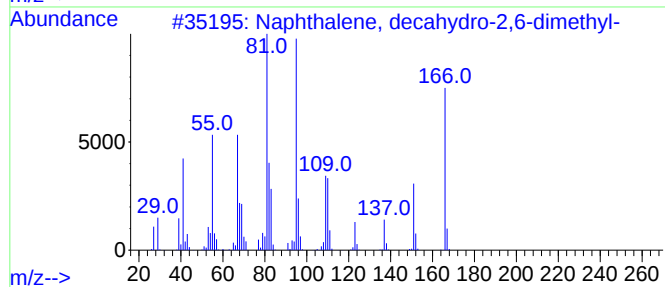
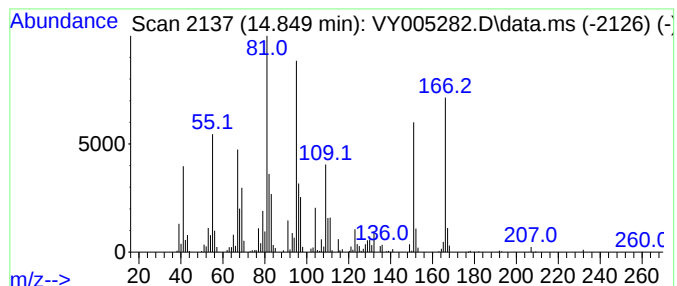
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Naphthalene, decahydro-2,3-... Concentration Rank 2

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 14.849 | 44.83 ug/l | 222188 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|---------|--------------|------|
| 1    |    |   | Naphthalene, decahydro-2,6-dimet... | 166 | C12H22  | 001618-22-0  | 93   |
| 2    |    |   | Naphthalene, decahydro-2,3-dimet... | 166 | C12H22  | 001008-80-6  | 86   |
| 3    |    |   | trans,trans-1,6-Dimethylspiro[4...  | 166 | C12H22  | 1000111-72-1 | 70   |
| 4    |    |   | Naphthalene, decahydro-1,5-dimet... | 166 | C12H22  | 066552-62-3  | 55   |
| 5    |    |   | Naphthalene, decahydro-1,6-dimet... | 166 | C12H22  | 001750-51-2  | 45   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\vy062921\  
Data File : VY005282.D  
Acq On : 29 Jun 2021 17:51  
Operator : SY/MD  
Sample : M2886-03  
Misc : 6.08G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
26878

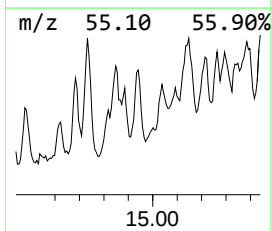
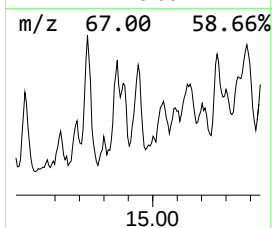
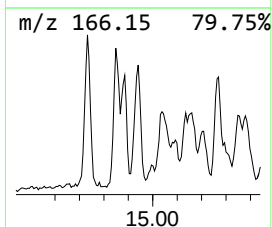
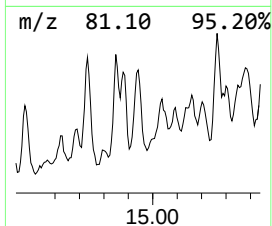
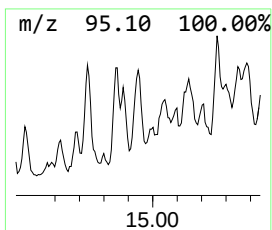
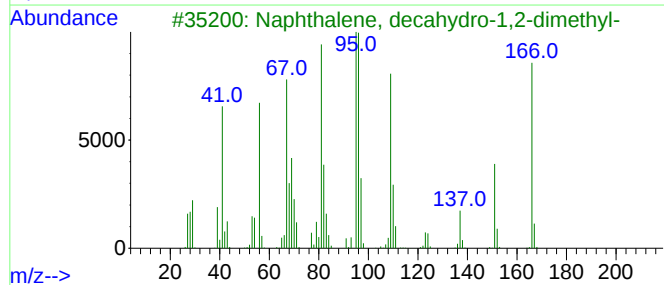
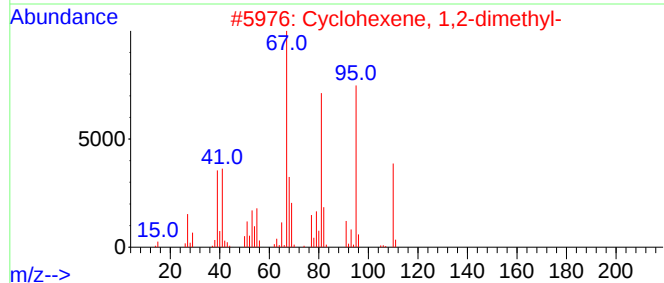
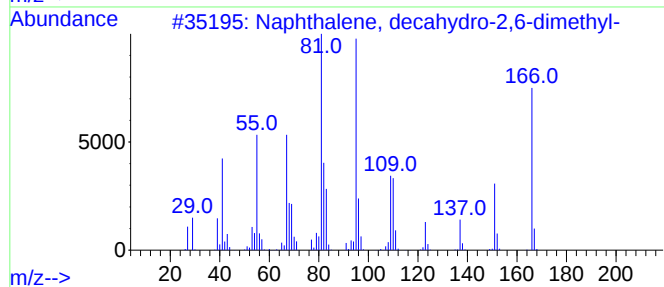
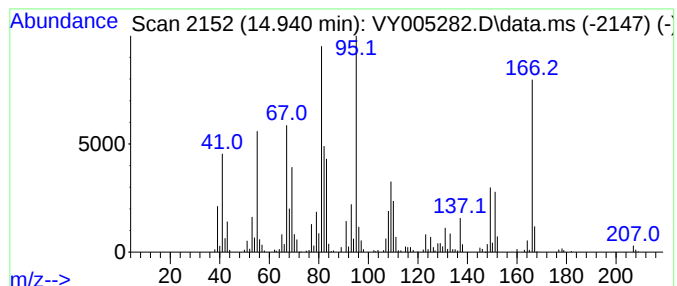
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Quant Title : SW846 8260

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

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Peak Number 8 Cyclohexene, 1,2-dimethyl- Concentration Rank 5

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 14.940 | 28.13 ug/l | 139427 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|---------|--------------|------|
| 1    |    |   | Naphthalene, decahydro-2,6-dimet... | 166 | C12H22  | 001618-22-0  | 90   |
| 2    |    |   | Cyclohexene, 1,2-dimethyl-          | 110 | C8H14   | 001674-10-8  | 89   |
| 3    |    |   | Naphthalene, decahydro-1,2-dimet... | 166 | C12H22  | 003604-14-6  | 89   |
| 4    |    |   | cis,trans-1,6-Dimethylspiro[4.5]... | 166 | C12H22  | 1000111-72-3 | 76   |
| 5    |    |   | Naphthalene, decahydro-1,5-dimet... | 166 | C12H22  | 066552-62-3  | 70   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\vy062921\  
Data File : VY005282.D  
Acq On : 29 Jun 2021 17:51  
Operator : SY/MD  
Sample : M2886-03  
Misc : 6.08G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
26878

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062221S.M  
Quant Title : SW846 8260

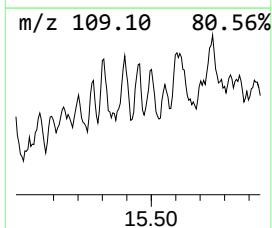
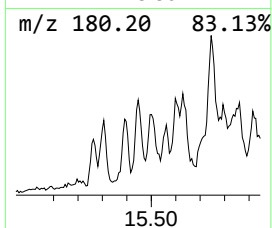
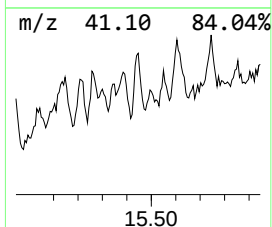
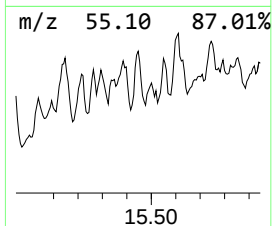
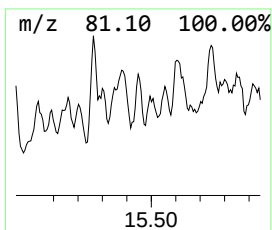
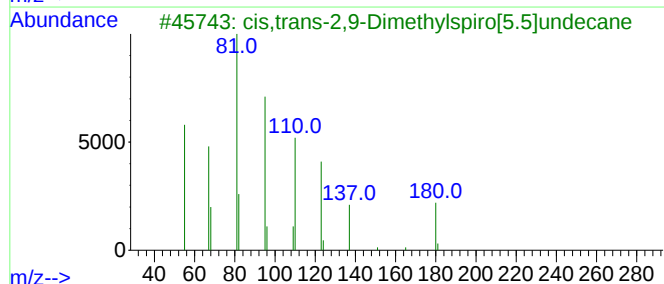
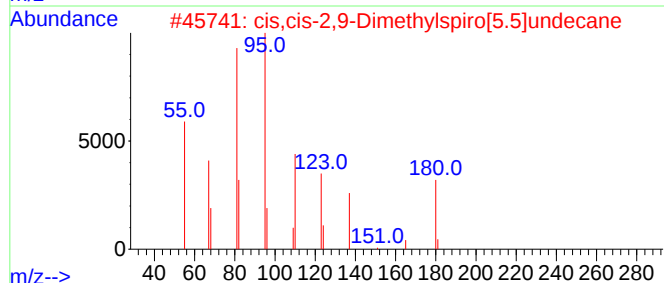
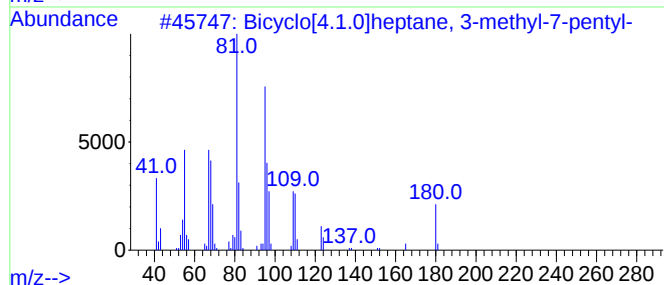
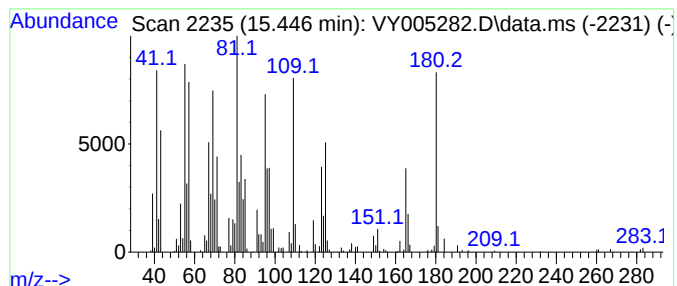
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 unknown15.446 Concentration Rank 7

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 15.446 | 22.92 ug/l | 113590 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Bicyclo[4.1.0]heptane, 3-methyl-... | 180 | C13H24  | 041977-48-4 | 49   |
| 2    |    |   | cis,cis-2,9-Dimethylspiro[5.5]un... | 180 | C13H24  | 095472-51-8 | 46   |
| 3    |    |   | cis,trans-2,9-Dimethylspiro[5.5]... | 180 | C13H24  | 095530-74-8 | 46   |
| 4    |    |   | Bicyclo[4.1.0]heptane, 2-methyl-... | 180 | C13H24  | 055937-92-3 | 45   |
| 5    |    |   | 3-Undecyne                          | 152 | C11H20  | 060212-30-8 | 38   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\vy062921\  
Data File : VY005282.D  
Acq On : 29 Jun 2021 17:51  
Operator : SY/MD  
Sample : M2886-03  
Misc : 6.08G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
26878

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062221S.M  
Quant Title : SW846 8260

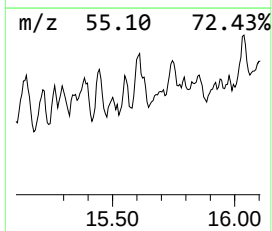
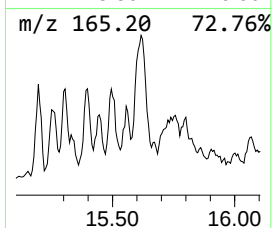
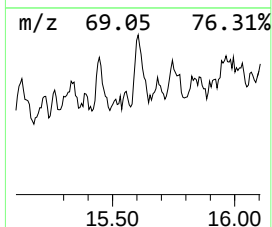
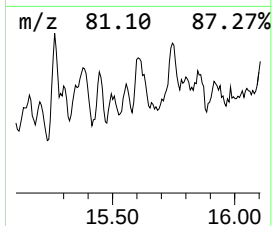
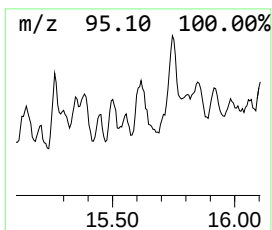
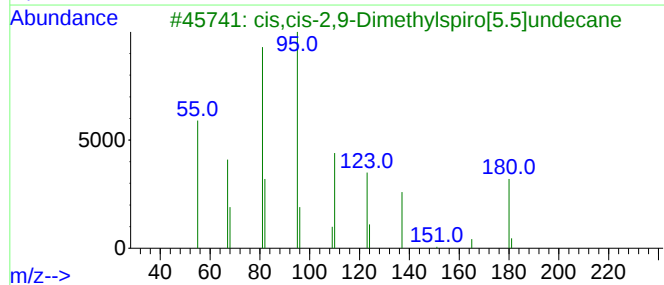
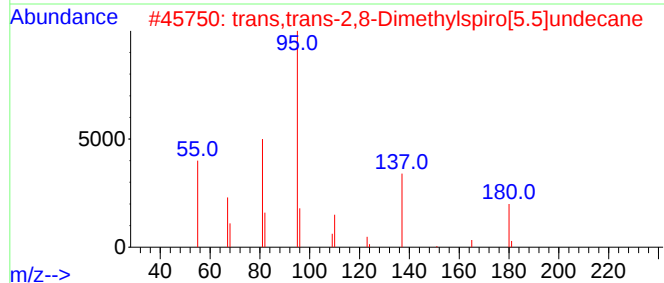
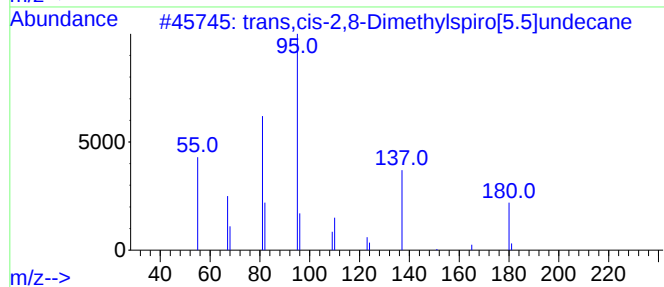
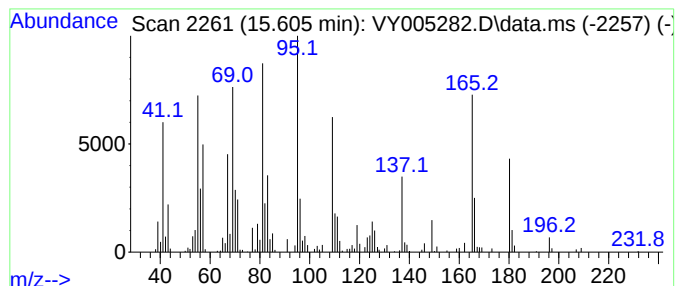
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 trans,cis-2,8-Dimethylspiro... Concentration Rank 4

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 15.605 | 30.29 ug/l | 150090 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                          | MW  | MolForm | CAS#         | Qual |
|------|----|---|---------------------------------------|-----|---------|--------------|------|
| 1    |    |   | trans,cis-2,8-Dimethylspiro[5.5]...   | 180 | C13H24  | 095472-52-9  | 60   |
| 2    |    |   | trans,trans-2,8-Dimethylspiro[5.5]... | 180 | C13H24  | 095530-76-0  | 60   |
| 3    |    |   | cis,cis-2,9-Dimethylspiro[5.5]un...   | 180 | C13H24  | 095472-51-8  | 58   |
| 4    |    |   | trans,cis-1,8-Dimethylspiro[4.5]...   | 166 | C12H22  | 1000111-72-9 | 49   |
| 5    |    |   | cis,cis-2,8-Dimethylspiro[5.5]un...   | 180 | C13H24  | 095530-75-9  | 43   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\vy062921\  
Data File : VY005282.D  
Acq On : 29 Jun 2021 17:51  
Operator : SY/MD  
Sample : M2886-03  
Misc : 6.08G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
26878

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062221S.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 |
| 1-Propene, 2-me... | 2.223  | 21.7    | ug/l  | 212206   | 1                     | 7.801  | 488970 | 50.0 |
| Dimethyl sulfide   | 4.034  | 74.2    | ug/l  | 725980   | 1                     | 7.801  | 488970 | 50.0 |
| n-Hexane           | 5.759  | 21.5    | ug/l  | 210397   | 1                     | 7.801  | 488970 | 50.0 |
| unknown13.751      | 13.751 | 21.6    | ug/l  | 107273   | 4                     | 13.428 | 247796 | 50.0 |
| Naphthalene, de... | 14.257 | 28.1    | ug/l  | 139361   | 4                     | 13.428 | 247796 | 50.0 |
| Naphthalene, de... | 14.733 | 41.7    | ug/l  | 206444   | 4                     | 13.428 | 247796 | 50.0 |
| Naphthalene, de... | 14.849 | 44.8    | ug/l  | 222188   | 4                     | 13.428 | 247796 | 50.0 |
| Cyclohexene, 1,... | 14.940 | 28.1    | ug/l  | 139427   | 4                     | 13.428 | 247796 | 50.0 |
| unknown15.446      | 15.446 | 22.9    | ug/l  | 113590   | 4                     | 13.428 | 247796 | 50.0 |
| trans,cis-2,8-D... | 15.605 | 30.3    | ug/l  | 150090   | 4                     | 13.428 | 247796 | 50.0 |