

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031921\  
 Data File : VY004140.D  
 Acq On : 19 Mar 2021 16:21  
 Operator : SY/MD  
 Sample : M1749-01  
 Misc : 6.84g/5mL/MSVOA\_Y/SOIL  
 ALS Vial : 16 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: VY004140.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       | 960           | 969         | 975          | rBV2     | 18455          | 44282         | 1.75%           | 0.205%        |
| 2         | 7.801       | 975           | 981         | 992          | rVB      | 37494          | 84195         | 3.32%           | 0.390%        |
| 3         | 8.149       | 1030          | 1038        | 1049         | rBV      | 17356          | 38895         | 1.54%           | 0.180%        |
| 4         | 8.697       | 1121          | 1128        | 1139         | rBV      | 52880          | 104112        | 4.11%           | 0.482%        |
| 5         | 10.185      | 1365          | 1372        | 1379         | rBV      | 82851          | 140573        | 5.55%           | 0.651%        |
| 6         | 11.496      | 1580          | 1587        | 1598         | rVB      | 69904          | 112832        | 4.46%           | 0.522%        |
| 7         | 11.703      | 1614          | 1621        | 1627         | rBV      | 16108          | 28583         | 1.13%           | 0.132%        |
| 8         | 12.489      | 1740          | 1750        | 1757         | rBV3     | 127439         | 349417        | 13.80%          | 1.617%        |
| 9         | 12.569      | 1757          | 1763        | 1768         | rVV4     | 10873          | 28974         | 1.14%           | 0.134%        |
| 10        | 12.630      | 1768          | 1773        | 1783         | rVB3     | 31047          | 77894         | 3.08%           | 0.360%        |
| 11        | 12.837      | 1797          | 1807        | 1813         | rBV4     | 29854          | 82703         | 3.27%           | 0.383%        |
| 12        | 13.075      | 1837          | 1846        | 1852         | rVB      | 158666         | 280585        | 11.08%          | 1.298%        |
| 13        | 13.178      | 1858          | 1863        | 1869         | rBV      | 69319          | 111152        | 4.39%           | 0.514%        |
| 14        | 13.288      | 1871          | 1881        | 1886         | rBV      | 230511         | 407160        | 16.08%          | 1.884%        |
| 15        | 13.361      | 1889          | 1893        | 1896         | rBV2     | 22998          | 34729         | 1.37%           | 0.161%        |
| 16        | 13.398      | 1896          | 1899        | 1901         | rVV2     | 40755          | 55777         | 2.20%           | 0.258%        |
| 17        | 13.428      | 1901          | 1904        | 1908         | rVV2     | 62967          | 107144        | 4.23%           | 0.496%        |
| 18        | 13.489      | 1908          | 1914        | 1923         | rVB      | 262823         | 583862        | 23.06%          | 2.702%        |
| 19        | 13.593      | 1923          | 1931        | 1933         | rBV3     | 13937          | 31589         | 1.25%           | 0.146%        |
| 20        | 13.648      | 1933          | 1940        | 1947         | rVB      | 109971         | 191098        | 7.55%           | 0.884%        |
| 21        | 13.721      | 1947          | 1952        | 1954         | rBV3     | 21979          | 36785         | 1.45%           | 0.170%        |
| 22        | 13.757      | 1954          | 1958        | 1960         | rBV3     | 34711          | 44754         | 1.77%           | 0.207%        |
| 23        | 13.916      | 1980          | 1984        | 1987         | rBV2     | 25572          | 42508         | 1.68%           | 0.197%        |
| 24        | 14.080      | 2006          | 2011        | 2014         | rBV3     | 24276          | 43696         | 1.73%           | 0.202%        |
| 25        | 14.148      | 2015          | 2022        | 2027         | rBV3     | 56798          | 136134        | 5.38%           | 0.630%        |
| 26        | 14.202      | 2027          | 2031        | 2033         | rBV3     | 48340          | 70057         | 2.77%           | 0.324%        |
| 27        | 14.257      | 2033          | 2040        | 2047         | rBV6     | 300991         | 748676        | 29.56%          | 3.465%        |
| 28        | 14.318      | 2047          | 2050        | 2056         | rBV3     | 176028         | 222194        | 8.77%           | 1.028%        |
| 29        | 14.385      | 2056          | 2061        | 2064         | rBV3     | 213504         | 332812        | 13.14%          | 1.540%        |
| 30        | 14.422      | 2064          | 2067        | 2072         | rVB3     | 275296         | 399411        | 15.77%          | 1.848%        |
| 31        | 14.483      | 2072          | 2077        | 2082         | rVB5     | 143806         | 244781        | 9.67%           | 1.133%        |
| 32        | 14.556      | 2084          | 2089        | 2091         | rBV4     | 88024          | 167541        | 6.62%           | 0.775%        |
| 33        | 14.617      | 2094          | 2099        | 2106         | rBV      | 946285         | 1444067       | 57.02%          | 6.682%        |
| 34        | 14.684      | 2106          | 2110        | 2114         | rBV      | 414047         | 697822        | 27.56%          | 3.229%        |
| 35        | 14.733      | 2114          | 2118        | 2125         | rVB      | 1540148        | 2343377       | 92.54%          | 10.844%       |
| 36        | 14.812      | 2125          | 2131        | 2134         | rBV6     | 249945         | 493036        | 19.47%          | 2.282%        |

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Integrator: RTE

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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 | 14.855 | 2134 | 2138 | 2141 | rBV3 | 349167  | 584331  | 23.07%  | 2.704%  |
| 38 | 15.044 | 2165 | 2169 | 2174 | rBV3 | 295495  | 622950  | 24.60%  | 2.883%  |
| 39 | 15.099 | 2174 | 2178 | 2180 | rVV3 | 354629  | 601754  | 23.76%  | 2.785%  |
| 40 | 15.141 | 2181 | 2185 | 2192 | rVB4 | 859675  | 1640174 | 64.77%  | 7.590%  |
| 41 | 15.214 | 2192 | 2197 | 2202 | rBV  | 1618308 | 2532385 | 100.00% | 11.719% |
| 42 | 15.275 | 2202 | 2207 | 2214 | rVV5 | 217634  | 506667  | 20.01%  | 2.345%  |
| 43 | 15.440 | 2229 | 2234 | 2241 | rVB  | 1327106 | 1921159 | 75.86%  | 8.890%  |
| 44 | 15.550 | 2249 | 2252 | 2256 | rVB2 | 297733  | 453387  | 17.90%  | 2.098%  |
| 45 | 15.611 | 2257 | 2262 | 2269 | rVB3 | 506264  | 960817  | 37.94%  | 4.446%  |
| 46 | 16.031 | 2325 | 2331 | 2336 | rVB4 | 192639  | 424166  | 16.75%  | 1.963%  |
| 47 | 16.159 | 2347 | 2352 | 2359 | rVB  | 360928  | 663294  | 26.19%  | 3.069%  |
| 48 | 16.367 | 2381 | 2386 | 2390 | rBV  | 199837  | 335547  | 13.25%  | 1.553%  |

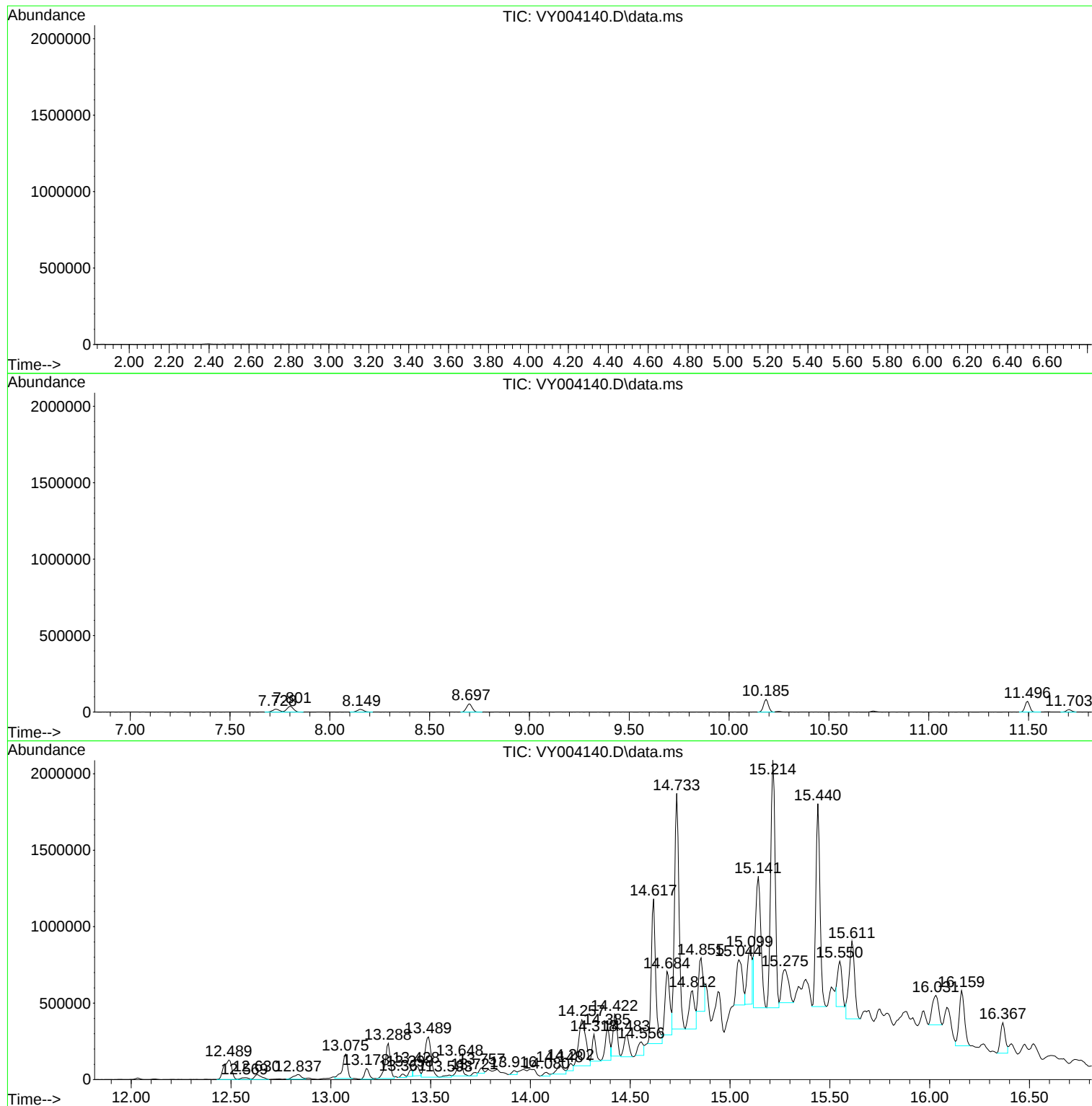
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MSVOA\_Y  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030821S.M  
Quant Title : SW846 8260

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



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

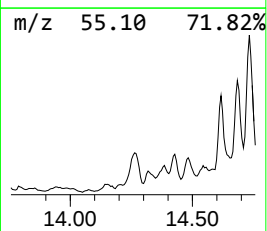
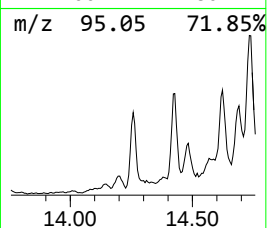
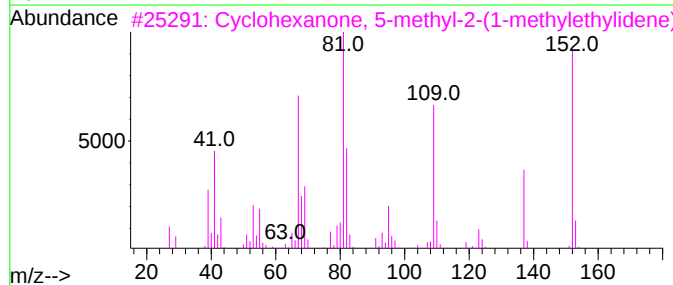
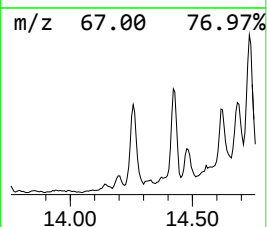
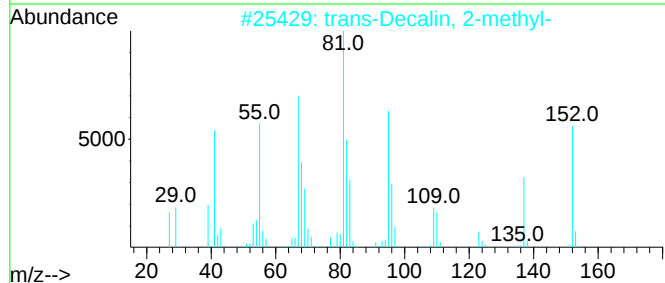
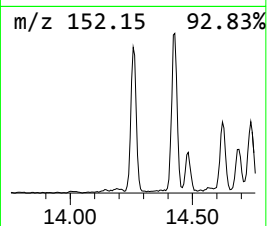
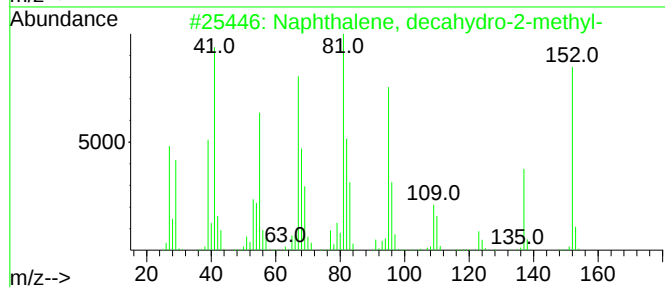
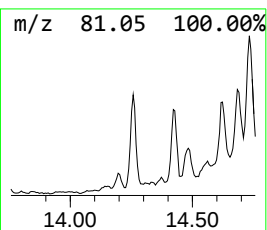
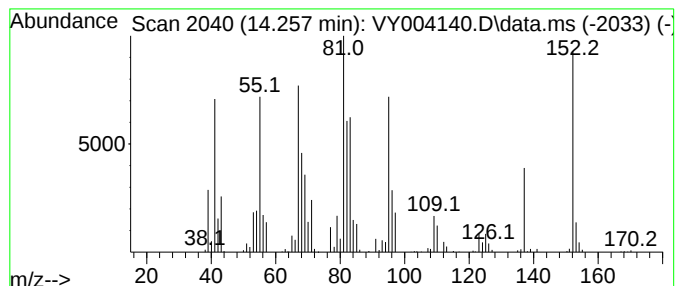
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Naphthalene, decahydro-2-me... Concentration Rank 7

| R.T.   | EstConc     | Area   | Relative to ISTD       | R.T.   |
|--------|-------------|--------|------------------------|--------|
| 14.257 | 349.38 ug/l | 748676 | 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 | 94   |
| 3    |    |   | Cyclohexanone, 5-methyl-2-(1-met... | 152 | C10H16O | 015932-80-6  | 89   |
| 4    |    |   | Bicyclo[4.1.0]heptan-3-one, 4,7,... | 152 | C10H16O | 004176-04-9  | 76   |
| 5    |    |   | cis-Decalin, 2-syn-methyl-          | 152 | C11H20  | 1000155-85-6 | 74   |



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

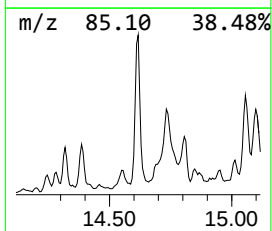
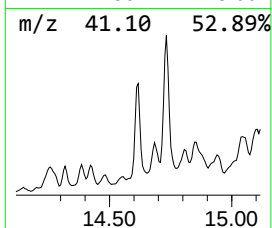
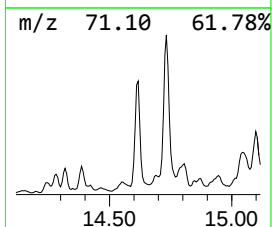
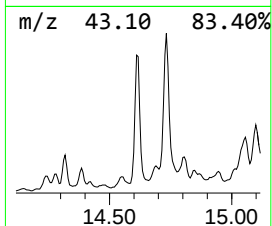
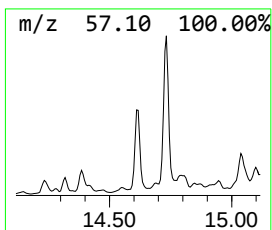
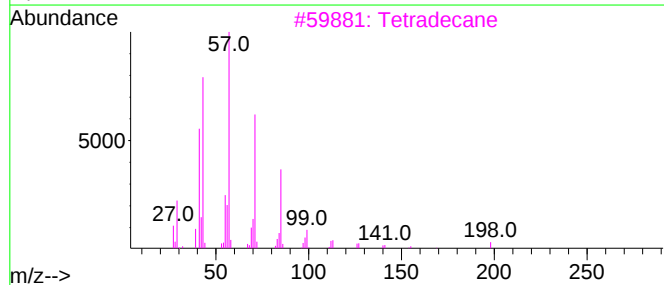
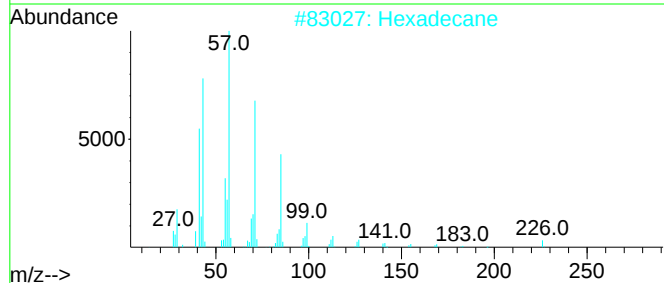
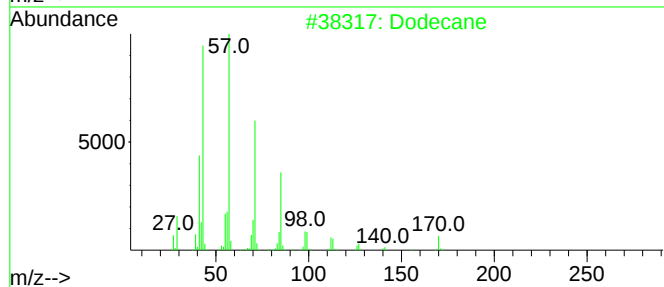
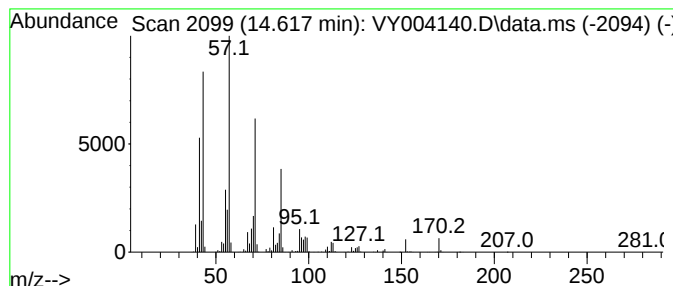
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Dodecane Concentration Rank 5

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 14.617 | 673.89 ug/l | 1444070 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|------|-------------------------|-----|---------|-------------|------|
| 1    |      | Dodecane                | 170 | C12H26  | 000112-40-3 | 96   |
| 2    |      | Hexadecane              | 226 | C16H34  | 000544-76-3 | 72   |
| 3    |      | Tetradecane             | 198 | C14H30  | 000629-59-4 | 72   |
| 4    |      | Undecane                | 156 | C11H24  | 001120-21-4 | 64   |
| 5    |      | Undecane, 2,3-dimethyl- | 184 | C13H28  | 017312-77-5 | 59   |



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ALS Vial : 16 Sample Multiplier: 1

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

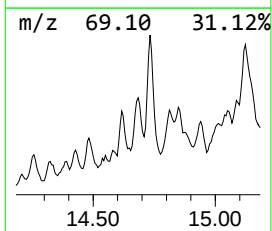
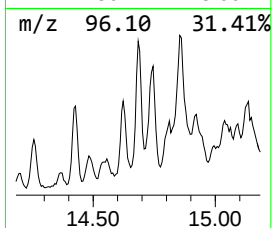
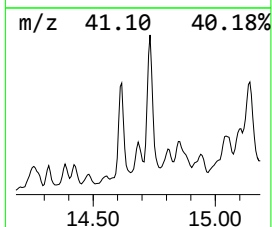
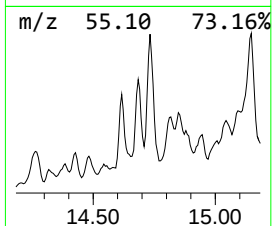
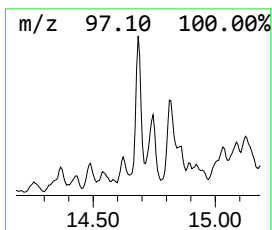
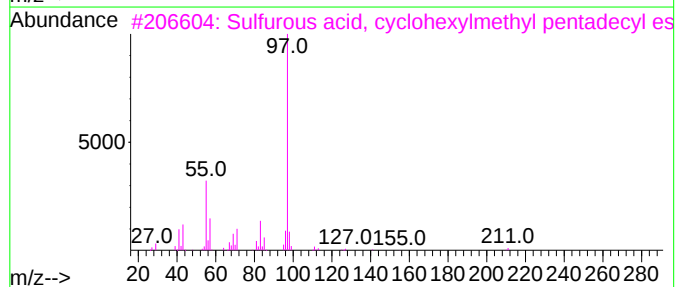
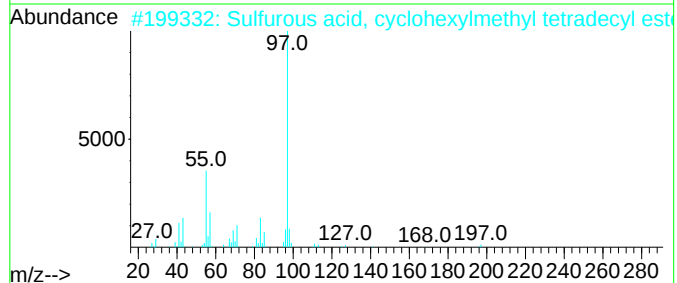
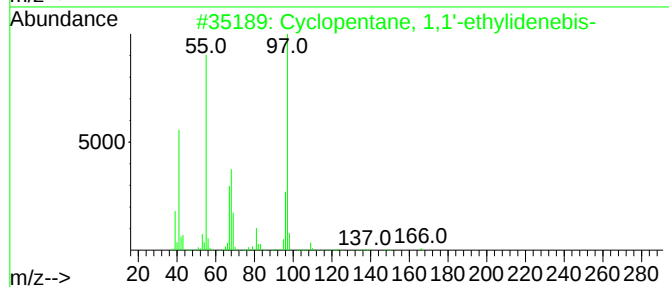
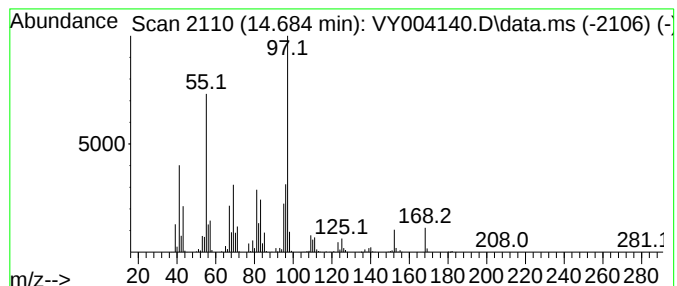
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Cyclopentane, 1,1'-ethylide... Concentration Rank 8

| R.T.   | EstConc     | Area   | Relative to ISTD       | R.T.   |
|--------|-------------|--------|------------------------|--------|
| 14.684 | 325.65 ug/l | 697822 | 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    |    |   | Sulfurous acid, cyclohexylmethyl... | 374 | C21H42O3S | 1000309-22-2 | 53   |
| 3    |    |   | Sulfurous acid, cyclohexylmethyl... | 388 | C22H44O3S | 1000309-22-3 | 53   |
| 4    |    |   | Cyclohexane, 1-methyl-2-pentyl-     | 168 | C12H24    | 054411-01-7  | 52   |
| 5    |    |   | Cyclohexane, 1-methyl-3-pentyl-     | 168 | C12H24    | 054411-02-8  | 52   |



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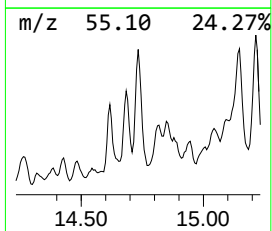
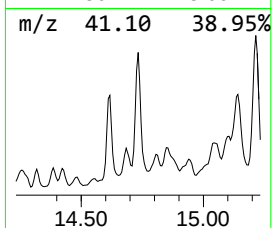
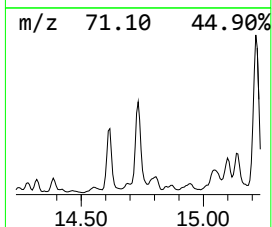
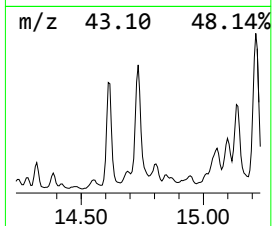
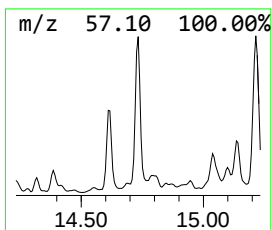
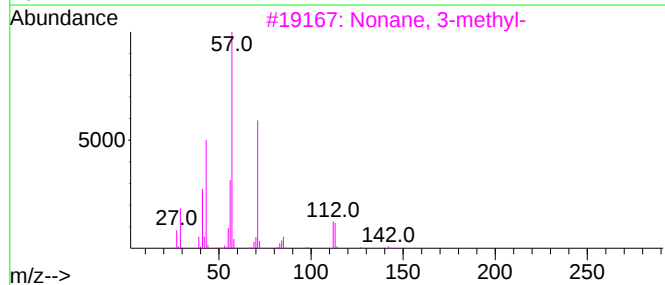
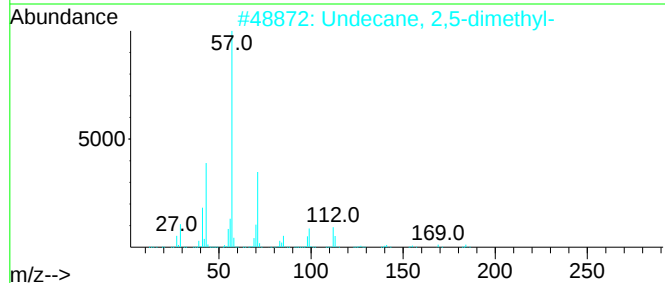
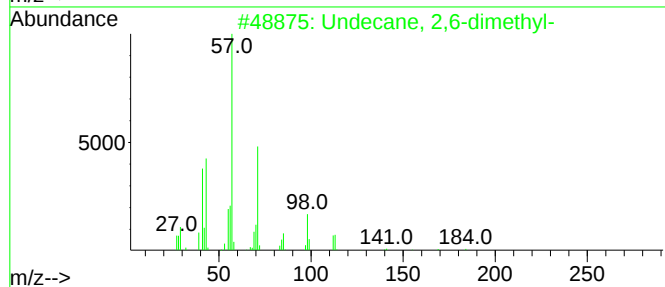
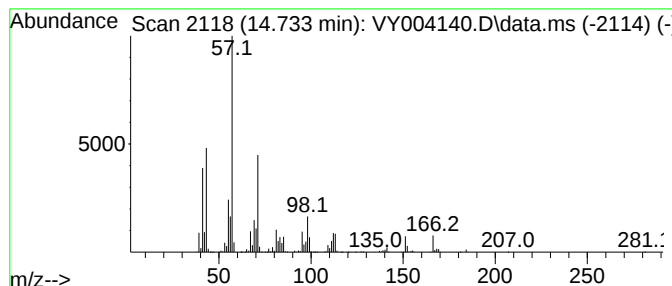
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 4 Undecane, 2,6-dimethyl- Concentration Rank 2

| R.T.   | EstConc      | Area    | Relative to ISTD       | R.T.   |
|--------|--------------|---------|------------------------|--------|
| 14.733 | 1093.56 ug/l | 2343380 | 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  | 95   |
| 2    |    |   | Undecane, 2,5-dimethyl-           | 184 | C13H28    | 017301-22-3  | 86   |
| 3    |    |   | Nonane, 3-methyl-                 | 142 | C10H22    | 005911-04-6  | 58   |
| 4    |    |   | Sulfurous acid, butyl octyl ester | 250 | C12H26O3S | 1000309-17-5 | 53   |
| 5    |    |   | Tridecane                         | 184 | C13H28    | 000629-50-5  | 52   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031921\  
Data File : VY004140.D  
Acq On : 19 Mar 2021 16:21  
Operator : SY/MD  
Sample : M1749-01  
Misc : 6.84g/5mL/MSVOA\_Y/SOIL  
ALS Vial : 16 Sample Multiplier: 1

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

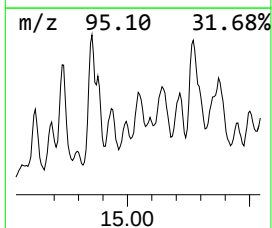
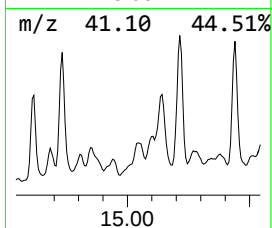
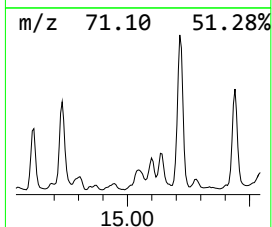
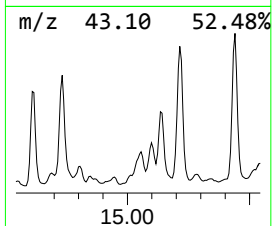
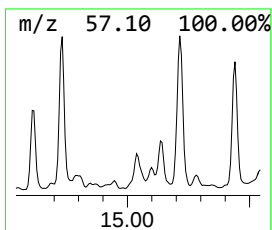
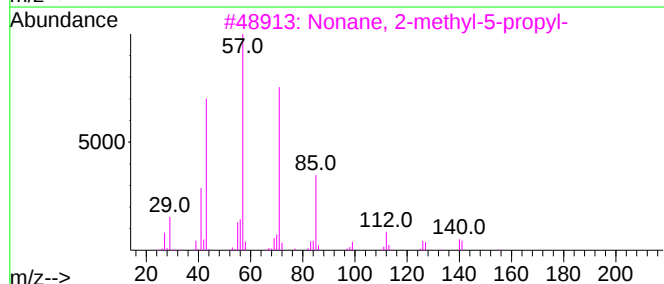
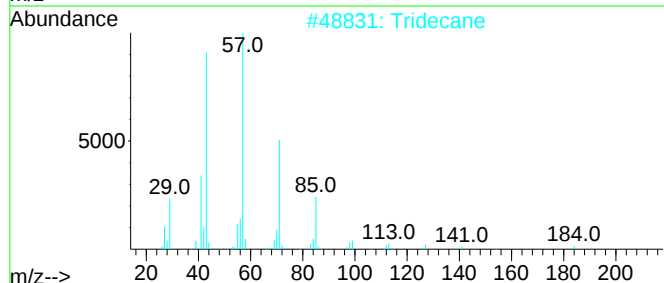
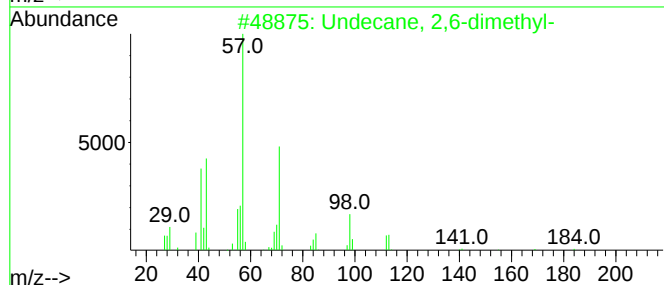
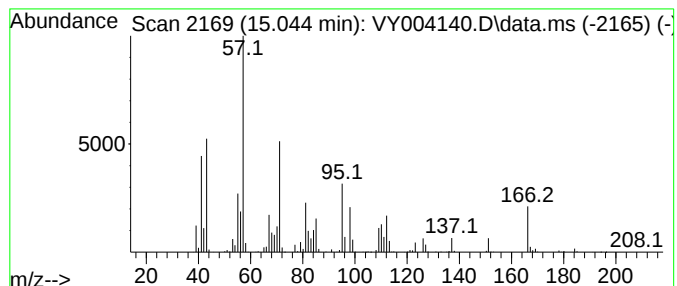
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 5 unknown15.044 Concentration Rank 10

| R.T.   | EstConc     | Area   | Relative to ISTD       | R.T.   |
|--------|-------------|--------|------------------------|--------|
| 15.044 | 290.71 ug/l | 622950 | 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 | 60   |
| 2    |    |   | Tridecane                  | 184 | C13H28  | 000629-50-5 | 38   |
| 3    |    |   | Nonane, 2-methyl-5-propyl- | 184 | C13H28  | 031081-17-1 | 35   |
| 4    |    |   | Hexadecane, 7-methyl-      | 240 | C17H36  | 026730-20-1 | 35   |
| 5    |    |   | Heptacosane                | 380 | C27H56  | 000593-49-7 | 27   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031921\  
Data File : VY004140.D  
Acq On : 19 Mar 2021 16:21  
Operator : SY/MD  
Sample : M1749-01  
Misc : 6.84g/5mL/MSVOA\_Y/SOIL  
ALS Vial : 16 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

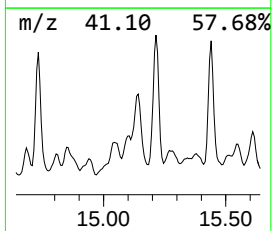
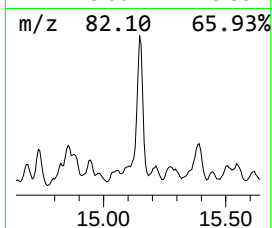
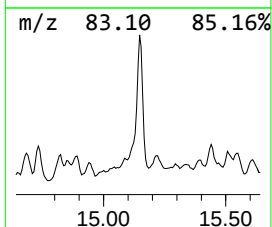
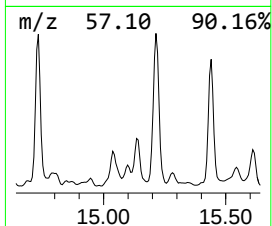
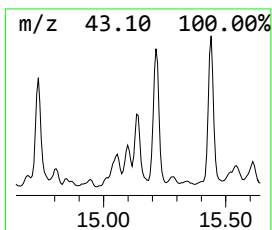
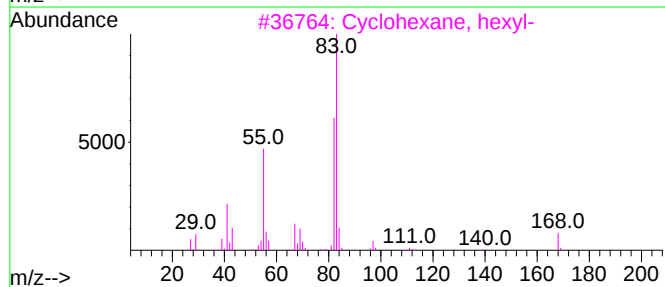
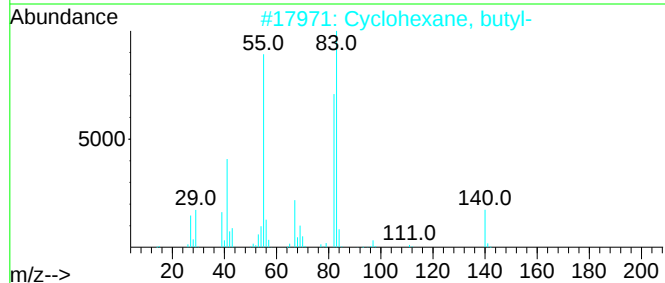
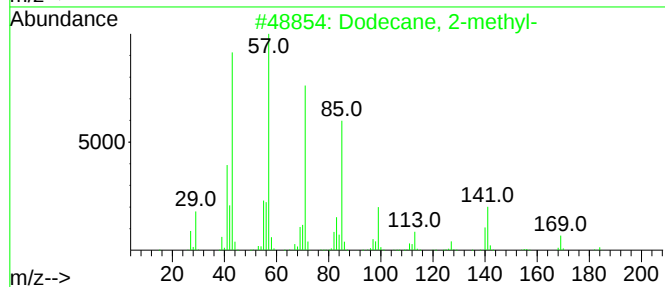
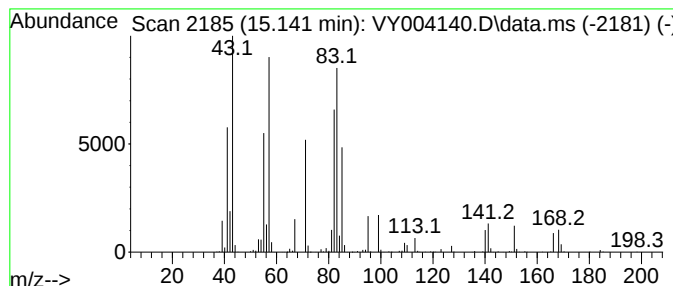
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TIC Integration Parameters: LSCINT.P

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Peak Number 6 unknown15.141 Concentration Rank 4

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 15.141 | 765.41 ug/l | 1640170 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------|-----|---------|-------------|------|
| 1    |    |   | Dodecane, 2-methyl-            | 184 | C13H28  | 001560-97-0 | 46   |
| 2    |    |   | Cyclohexane, butyl-            | 140 | C10H20  | 001678-93-9 | 43   |
| 3    |    |   | Cyclohexane, hexyl-            | 168 | C12H24  | 004292-75-5 | 38   |
| 4    |    |   | Ethane, 1,1,2,2-tetrachloro-   | 166 | C2H2Cl4 | 000079-34-5 | 38   |
| 5    |    |   | Cyclohexane, (4-methylpentyl)- | 168 | C12H24  | 061142-20-9 | 38   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031921\  
Data File : VY004140.D  
Acq On : 19 Mar 2021 16:21  
Operator : SY/MD  
Sample : M1749-01  
Misc : 6.84g/5mL/MSVOA\_Y/SOIL  
ALS Vial : 16 Sample Multiplier: 1

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

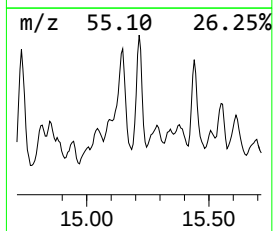
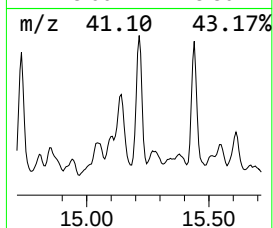
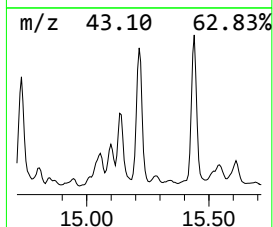
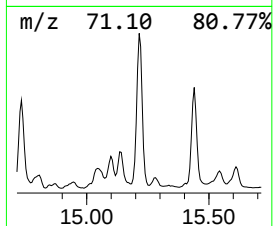
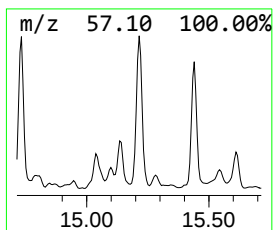
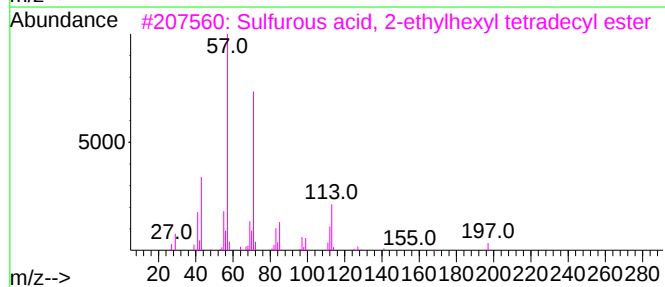
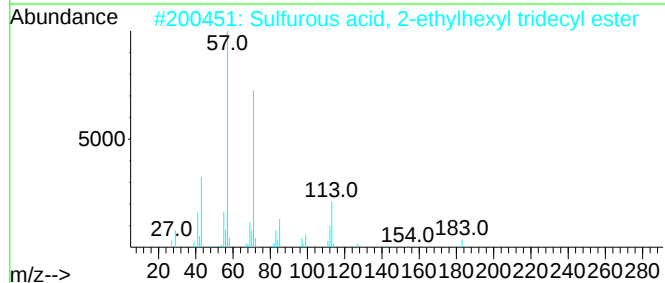
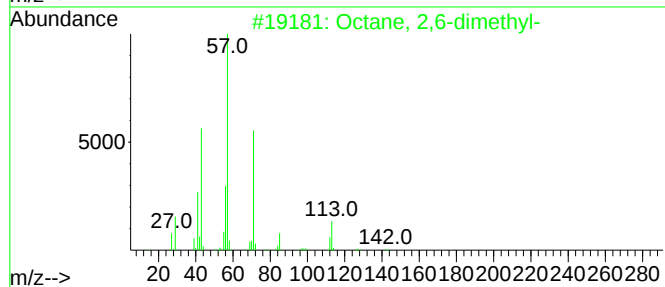
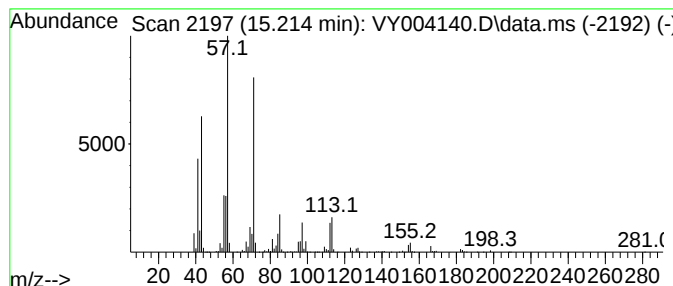
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 7 Octane, 2,6-dimethyl- Concentration Rank 1

| R.T.   | EstConc      | Area    | Relative to ISTD       | R.T.   |
|--------|--------------|---------|------------------------|--------|
| 15.214 | 1181.77 ug/l | 2532390 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Octane, 2,6-dimethyl-               | 142 | C10H22    | 002051-30-1  | 87   |
| 2    |    |   | Sulfurous acid, 2-ethylhexyl tri... | 376 | C21H44O3S | 1000309-19-6 | 80   |
| 3    |    |   | Sulfurous acid, 2-ethylhexyl tet... | 390 | C22H46O3S | 1000309-19-7 | 80   |
| 4    |    |   | Sulfurous acid, 2-ethylhexyl hex... | 418 | C24H50O3S | 1000309-19-9 | 80   |
| 5    |    |   | Sulfurous acid, 2-ethylhexyl oct... | 446 | C26H54O3S | 1000309-20-1 | 72   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031921\  
Data File : VY004140.D  
Acq On : 19 Mar 2021 16:21  
Operator : SY/MD  
Sample : M1749-01  
Misc : 6.84g/5mL/MSVOA\_Y/SOIL  
ALS Vial : 16 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

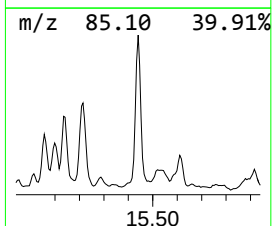
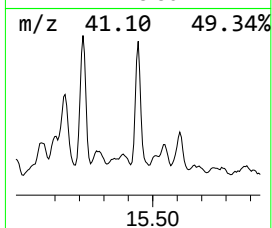
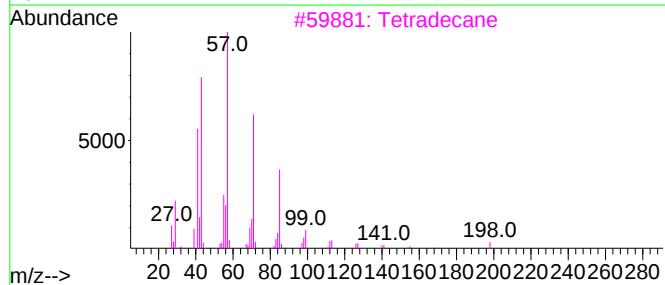
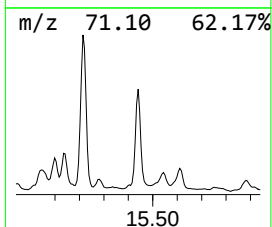
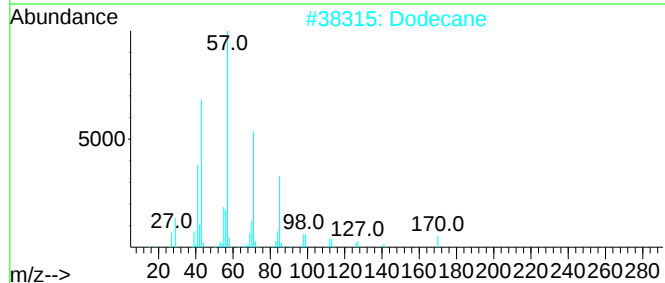
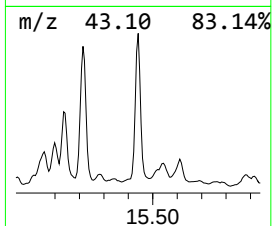
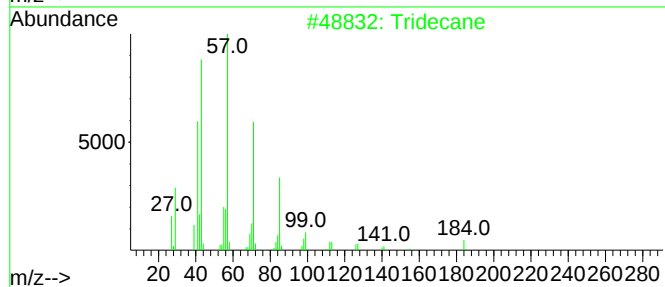
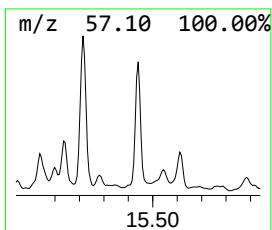
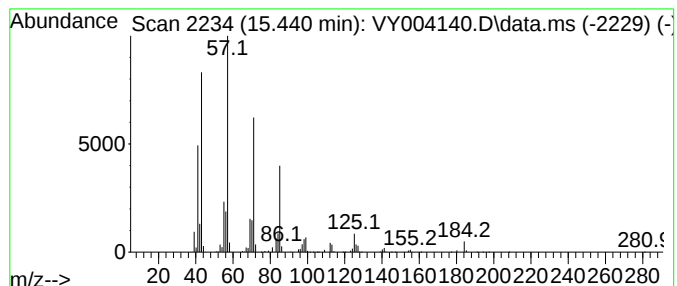
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TIC Integration Parameters: LSCINT.P

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Peak Number 8 Tridecane Concentration Rank 3

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 15.440 | 896.53 ug/l | 1921160 | 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 | 86   |
| 3    |      | Tetradecane        | 198 | C14H30  | 000629-59-4 | 83   |
| 4    |      | Hexadecane         | 226 | C16H34  | 000544-76-3 | 80   |
| 5    |      | Tridecane, 1-iodo- | 310 | C13H27I | 035599-77-0 | 72   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031921\  
Data File : VY004140.D  
Acq On : 19 Mar 2021 16:21  
Operator : SY/MD  
Sample : M1749-01  
Misc : 6.84g/5mL/MSVOA\_Y/SOIL  
ALS Vial : 16 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

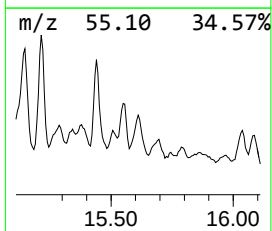
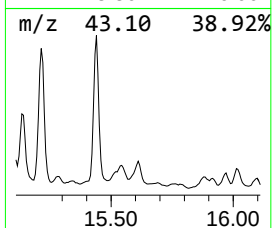
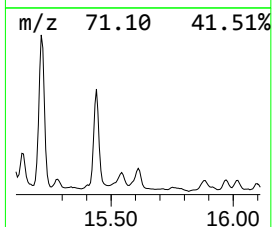
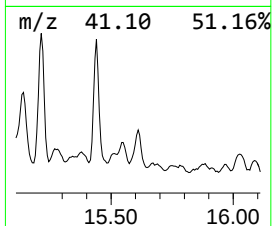
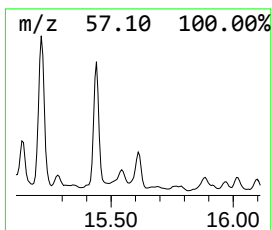
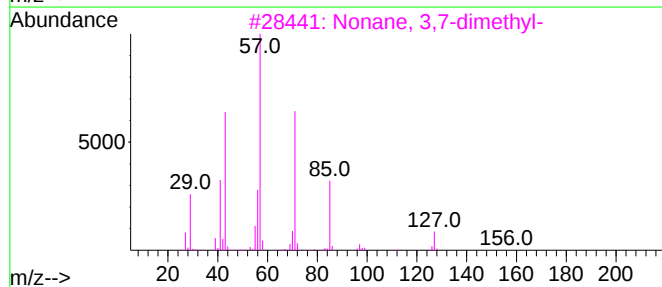
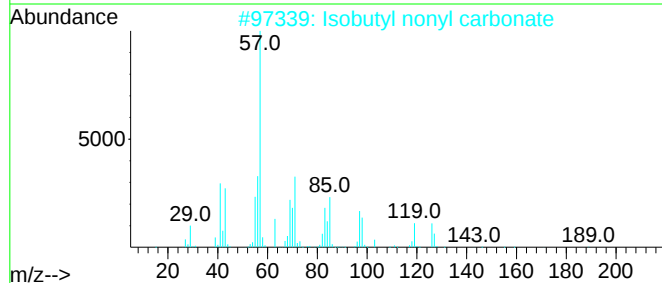
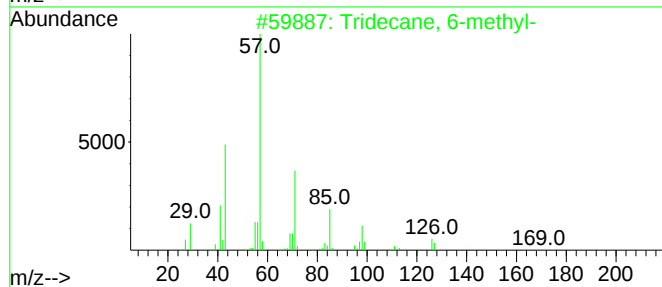
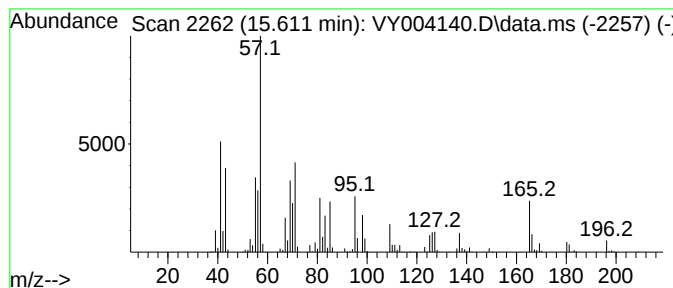
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TIC Integration Parameters: LSCINT.P

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Peak Number 9 unknown15.611 Concentration Rank 6

| R.T.   | EstConc     | Area   | Relative to ISTD       | R.T.   |
|--------|-------------|--------|------------------------|--------|
| 15.611 | 448.38 ug/l | 960817 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                      | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-----------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Tridecane, 6-methyl-              | 198 | C14H30    | 013287-21-3  | 47   |
| 2    |    |   | Isobutyl nonyl carbonate          | 244 | C14H28O3  | 959311-27-4  | 43   |
| 3    |    |   | Nonane, 3,7-dimethyl-             | 156 | C11H24    | 017302-32-8  | 38   |
| 4    |    |   | Decane, 3,8-dimethyl-             | 170 | C12H26    | 017312-55-9  | 38   |
| 5    |    |   | Sulfurous acid, butyl nonyl ester | 264 | C13H28O3S | 1000309-17-6 | 38   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031921\  
Data File : VY004140.D  
Acq On : 19 Mar 2021 16:21  
Operator : SY/MD  
Sample : M1749-01  
Misc : 6.84g/5mL/MSVOA\_Y/SOIL  
ALS Vial : 16 Sample Multiplier: 1

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

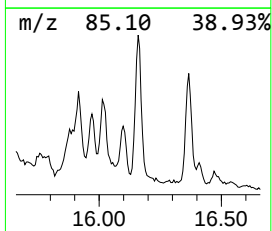
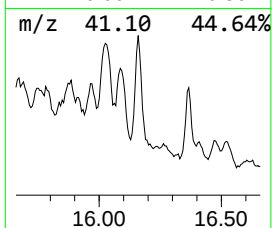
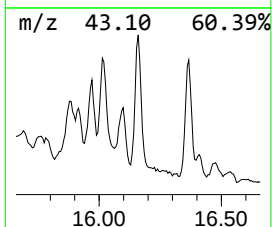
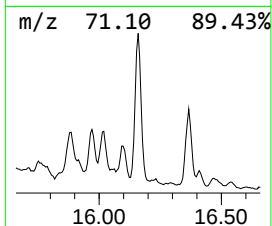
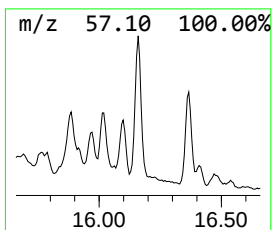
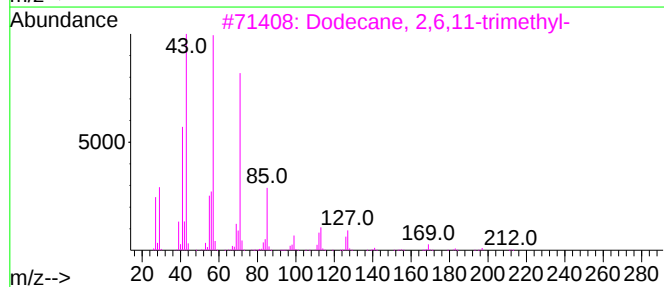
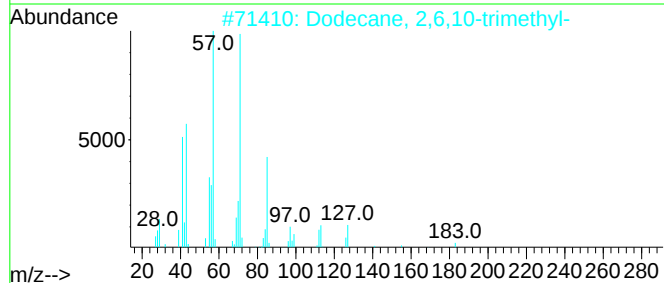
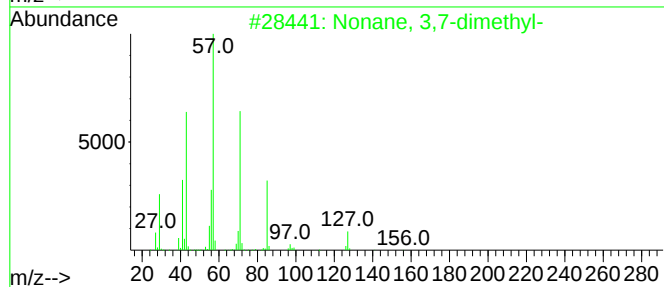
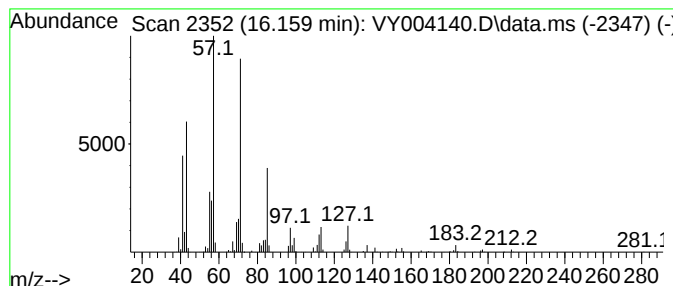
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Quant Title : SW846 8260

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

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Peak Number 10 Nonane, 3,7-dimethyl- Concentration Rank 9

| R.T.   | EstConc     | Area   | Relative to ISTD       | R.T.   |
|--------|-------------|--------|------------------------|--------|
| 16.159 | 309.53 ug/l | 663294 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Nonane, 3,7-dimethyl-       | 156 | C11H24  | 017302-32-8 | 87   |
| 2    |    |   | Dodecane, 2,6,10-trimethyl- | 212 | C15H32  | 003891-98-3 | 87   |
| 3    |    |   | Dodecane, 2,6,11-trimethyl- | 212 | C15H32  | 031295-56-4 | 86   |
| 4    |    |   | Heptane, 2,6-dimethyl-      | 128 | C9H20   | 001072-05-5 | 83   |
| 5    |    |   | Nonane, 5-(2-methylpropyl)- | 184 | C13H28  | 062185-53-9 | 72   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031921\  
Data File : VY004140.D  
Acq On : 19 Mar 2021 16:21  
Operator : SY/MD  
Sample : M1749-01  
Misc : 6.84g/5mL/MSVOA\_Y/SOIL  
ALS Vial : 16 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 |
| Naphthalene, de... | 14.257 | 349.4   | ug/l  | 748676   | 4                     | 13.428 | 107144 | 50.0 |
| Dodecane           | 14.617 | 673.9   | ug/l  | 1444070  | 4                     | 13.428 | 107144 | 50.0 |
| Cyclopentane, 1... | 14.684 | 325.6   | ug/l  | 697822   | 4                     | 13.428 | 107144 | 50.0 |
| Undecane, 2,6-d... | 14.733 | 1093.6  | ug/l  | 2343380  | 4                     | 13.428 | 107144 | 50.0 |
| unknown15.044      | 15.044 | 290.7   | ug/l  | 622950   | 4                     | 13.428 | 107144 | 50.0 |
| unknown15.141      | 15.141 | 765.4   | ug/l  | 1640170  | 4                     | 13.428 | 107144 | 50.0 |
| Octane, 2,6-dim... | 15.214 | 1181.8  | ug/l  | 2532390  | 4                     | 13.428 | 107144 | 50.0 |
| Tridecane          | 15.440 | 896.5   | ug/l  | 1921160  | 4                     | 13.428 | 107144 | 50.0 |
| unknown15.611      | 15.611 | 448.4   | ug/l  | 960817   | 4                     | 13.428 | 107144 | 50.0 |
| Nonane, 3,7-dim... | 16.159 | 309.5   | ug/l  | 663294   | 4                     | 13.428 | 107144 | 50.0 |