

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY060321\  
 Data File : VY004936.D  
 Acq On : 03 Jun 2021 15:03  
 Operator : SY/MD  
 Sample : M2589-06  
 Misc : 5.93G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 18-B8(4-6)

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\82Y060221S.M

Title : SW846 8260

Signal : TIC: VY004936.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 2.393       | 90            | 94          | 100          | rVB      | 15685          | 25734         | 1.58%           | 0.171%        |
| 2         | 3.259       | 230           | 236         | 247          | rVB3     | 6544           | 18192         | 1.12%           | 0.121%        |
| 3         | 3.960       | 340           | 351         | 360          | rBV      | 23899          | 65813         | 4.05%           | 0.436%        |
| 4         | 4.210       | 382           | 392         | 407          | rBV3     | 23866          | 97399         | 5.99%           | 0.646%        |
| 5         | 4.728       | 466           | 477         | 491          | rBV7     | 13121          | 54171         | 3.33%           | 0.359%        |
| 6         | 6.996       | 842           | 849         | 861          | rBV2     | 8523           | 22432         | 1.38%           | 0.149%        |
| 7         | 7.728       | 959           | 969         | 974          | rBV      | 163358         | 381699        | 23.48%          | 2.531%        |
| 8         | 7.795       | 974           | 980         | 990          | rVB      | 273531         | 623552        | 38.35%          | 4.135%        |
| 9         | 8.155       | 1029          | 1039        | 1052         | rVB2     | 210654         | 524209        | 32.24%          | 3.476%        |
| 10        | 8.551       | 1095          | 1104        | 1111         | rBV4     | 8048           | 22552         | 1.39%           | 0.150%        |
| 11        | 8.697       | 1119          | 1128        | 1140         | rBV      | 484173         | 921825        | 56.69%          | 6.113%        |
| 12        | 9.191       | 1194          | 1209        | 1215         | rBV2     | 27443          | 72352         | 4.45%           | 0.480%        |
| 13        | 9.612       | 1272          | 1278        | 1285         | rVB3     | 8281           | 16430         | 1.01%           | 0.109%        |
| 14        | 9.758       | 1292          | 1302        | 1307         | rBV3     | 9310           | 22064         | 1.36%           | 0.146%        |
| 15        | 9.965       | 1326          | 1336        | 1347         | rVB5     | 11054          | 37826         | 2.33%           | 0.251%        |
| 16        | 10.185      | 1364          | 1372        | 1378         | rBV      | 761248         | 1324649       | 81.47%          | 8.785%        |
| 17        | 10.246      | 1378          | 1382        | 1388         | rVB      | 40486          | 74177         | 4.56%           | 0.492%        |
| 18        | 10.374      | 1395          | 1403        | 1410         | rVB4     | 18041          | 40949         | 2.52%           | 0.272%        |
| 19        | 10.520      | 1423          | 1427        | 1433         | rVB      | 13903          | 24810         | 1.53%           | 0.165%        |
| 20        | 10.618      | 1439          | 1443        | 1449         | rVB5     | 10164          | 20869         | 1.28%           | 0.138%        |
| 21        | 10.721      | 1454          | 1460        | 1468         | rVB2     | 40448          | 72150         | 4.44%           | 0.478%        |
| 22        | 10.807      | 1468          | 1474        | 1479         | rBV2     | 12219          | 21901         | 1.35%           | 0.145%        |
| 23        | 11.038      | 1508          | 1512        | 1516         | rVB2     | 17503          | 24578         | 1.51%           | 0.163%        |
| 24        | 11.093      | 1516          | 1521        | 1526         | rVB      | 20294          | 33530         | 2.06%           | 0.222%        |
| 25        | 11.282      | 1544          | 1552        | 1564         | rVB4     | 19198          | 54054         | 3.32%           | 0.358%        |
| 26        | 11.380      | 1564          | 1568        | 1573         | rBV      | 12722          | 20997         | 1.29%           | 0.139%        |
| 27        | 11.489      | 1579          | 1586        | 1596         | rVB      | 675844         | 1134919       | 69.80%          | 7.527%        |
| 28        | 11.593      | 1596          | 1603        | 1607         | rBV2     | 25227          | 46838         | 2.88%           | 0.311%        |
| 29        | 11.703      | 1612          | 1621        | 1631         | rBV3     | 59702          | 166979        | 10.27%          | 1.107%        |
| 30        | 11.898      | 1640          | 1653        | 1657         | rBV3     | 7854           | 30062         | 1.85%           | 0.199%        |
| 31        | 12.032      | 1662          | 1675        | 1683         | rVV2     | 46638          | 127582        | 7.85%           | 0.846%        |
| 32        | 12.123      | 1686          | 1690        | 1694         | rVB2     | 12538          | 18727         | 1.15%           | 0.124%        |
| 33        | 12.203      | 1699          | 1703        | 1706         | rBV4     | 17826          | 28550         | 1.76%           | 0.189%        |
| 34        | 12.239      | 1707          | 1709        | 1715         | rVB4     | 17545          | 26747         | 1.64%           | 0.177%        |
| 35        | 12.337      | 1719          | 1725        | 1730         | rBV      | 115775         | 196618        | 12.09%          | 1.304%        |
| 36        | 12.489      | 1743          | 1750        | 1759         | rVB2     | 929489         | 1625968       | 100.00%         | 10.783%       |

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 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 18-B8(4-6)

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\82Y060221S.M  
 Title : SW846 8260

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 37 | 12.642 | 1771 | 1775 | 1783 | rVB3 | 25646  | 55283  | 3.40%  | 0.367% |
| 38 | 12.739 | 1784 | 1791 | 1795 | rBV  | 41837  | 81017  | 4.98%  | 0.537% |
| 39 | 12.812 | 1798 | 1803 | 1809 | rVB2 | 118507 | 192280 | 11.83% | 1.275% |
| 40 | 12.971 | 1822 | 1829 | 1837 | rVB2 | 63536  | 143642 | 8.83%  | 0.953% |
| 41 | 13.038 | 1837 | 1840 | 1844 | rBV2 | 18217  | 21682  | 1.33%  | 0.144% |
| 42 | 13.123 | 1848 | 1854 | 1867 | rVB  | 158435 | 321117 | 19.75% | 2.130% |
| 43 | 13.251 | 1869 | 1875 | 1878 | rBV4 | 16891  | 30969  | 1.90%  | 0.205% |
| 44 | 13.343 | 1881 | 1890 | 1892 | rBV3 | 70222  | 155588 | 9.57%  | 1.032% |
| 45 | 13.367 | 1892 | 1894 | 1898 | rVV  | 60098  | 73487  | 4.52%  | 0.487% |
| 46 | 13.428 | 1898 | 1904 | 1914 | rVB2 | 556043 | 976648 | 60.07% | 6.477% |
| 47 | 13.629 | 1932 | 1937 | 1940 | rBV  | 64748  | 95271  | 5.86%  | 0.632% |
| 48 | 13.666 | 1940 | 1943 | 1952 | rVB2 | 93427  | 160582 | 9.88%  | 1.065% |
| 49 | 13.751 | 1952 | 1957 | 1962 | rBV2 | 90168  | 140687 | 8.65%  | 0.933% |
| 50 | 13.824 | 1965 | 1969 | 1973 | rVB  | 33668  | 48218  | 2.97%  | 0.320% |
| 51 | 13.885 | 1975 | 1979 | 1981 | rBV  | 51008  | 66501  | 4.09%  | 0.441% |
| 52 | 13.916 | 1981 | 1984 | 1988 | rVB  | 56801  | 75033  | 4.61%  | 0.498% |
| 53 | 13.971 | 1988 | 1993 | 1998 | rVB2 | 95662  | 146146 | 8.99%  | 0.969% |
| 54 | 14.032 | 1998 | 2003 | 2006 | rBV3 | 16710  | 27140  | 1.67%  | 0.180% |
| 55 | 14.080 | 2006 | 2011 | 2016 | rVB  | 106539 | 165092 | 10.15% | 1.095% |
| 56 | 14.135 | 2016 | 2020 | 2023 | rBV2 | 15039  | 28661  | 1.76%  | 0.190% |
| 57 | 14.215 | 2028 | 2033 | 2037 | rBV2 | 45960  | 76833  | 4.73%  | 0.510% |
| 58 | 14.263 | 2037 | 2041 | 2042 | rVV3 | 20275  | 25323  | 1.56%  | 0.168% |
| 59 | 14.300 | 2043 | 2047 | 2050 | rVV3 | 66851  | 127541 | 7.84%  | 0.846% |
| 60 | 14.336 | 2050 | 2053 | 2057 | rVB  | 100435 | 139140 | 8.56%  | 0.923% |
| 61 | 14.385 | 2057 | 2061 | 2064 | rBV2 | 42066  | 55740  | 3.43%  | 0.370% |
| 62 | 14.422 | 2064 | 2067 | 2070 | rVB3 | 33890  | 38834  | 2.39%  | 0.258% |
| 63 | 14.519 | 2079 | 2083 | 2087 | rVB3 | 29115  | 43476  | 2.67%  | 0.288% |
| 64 | 14.568 | 2087 | 2091 | 2095 | rBV3 | 47539  | 76736  | 4.72%  | 0.509% |
| 65 | 14.611 | 2095 | 2098 | 2103 | rVB2 | 81174  | 113780 | 7.00%  | 0.755% |
| 66 | 14.678 | 2103 | 2109 | 2114 | rBV2 | 168785 | 381907 | 23.49% | 2.533% |
| 67 | 14.739 | 2114 | 2119 | 2130 | rVB3 | 130514 | 350656 | 21.57% | 2.325% |
| 68 | 14.836 | 2130 | 2135 | 2139 | rBV  | 62019  | 91188  | 5.61%  | 0.605% |
| 69 | 14.910 | 2143 | 2147 | 2148 | rBV2 | 14275  | 18290  | 1.12%  | 0.121% |
| 70 | 14.946 | 2148 | 2153 | 2157 | rBV2 | 139815 | 232908 | 14.32% | 1.545% |
| 71 | 15.056 | 2165 | 2171 | 2177 | rVB2 | 81795  | 170531 | 10.49% | 1.131% |
| 72 | 15.141 | 2181 | 2185 | 2190 | rVB5 | 24843  | 47992  | 2.95%  | 0.318% |
| 73 | 15.239 | 2190 | 2201 | 2206 | rBV  | 225058 | 425406 | 26.16% | 2.821% |
| 74 | 15.294 | 2206 | 2210 | 2214 | rBV  | 46448  | 77038  | 4.74%  | 0.511% |
| 75 | 15.348 | 2214 | 2219 | 2225 | rBV5 | 38364  | 101826 | 6.26%  | 0.675% |
| 76 | 15.434 | 2230 | 2233 | 2242 | rVB4 | 63916  | 112125 | 6.90%  | 0.744% |

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 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 18-B8(4-6)

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\82Y060221S.M

Title : SW846 8260

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 77 | 15.525 | 2242 | 2248 | 2255 | rBV3 | 54988  | 109210 | 6.72%  | 0.724% |
| 78 | 15.605 | 2256 | 2261 | 2265 | rVB4 | 16009  | 28405  | 1.75%  | 0.188% |
| 79 | 15.690 | 2266 | 2275 | 2277 | rBV4 | 46504  | 106344 | 6.54%  | 0.705% |
| 80 | 15.726 | 2277 | 2281 | 2290 | rVB2 | 88844  | 162907 | 10.02% | 1.080% |
| 81 | 15.818 | 2291 | 2296 | 2301 | rVB3 | 28331  | 49662  | 3.05%  | 0.329% |
| 82 | 15.885 | 2301 | 2307 | 2314 | rBV4 | 37477  | 91947  | 5.65%  | 0.610% |
| 83 | 16.037 | 2324 | 2332 | 2337 | rBV3 | 66451  | 148740 | 9.15%  | 0.986% |
| 84 | 16.232 | 2355 | 2364 | 2369 | rBV4 | 59331  | 139815 | 8.60%  | 0.927% |
| 85 | 16.293 | 2369 | 2374 | 2380 | rVV2 | 111498 | 208071 | 12.80% | 1.380% |
| 86 | 16.488 | 2399 | 2406 | 2413 | rBV  | 129853 | 299623 | 18.43% | 1.987% |

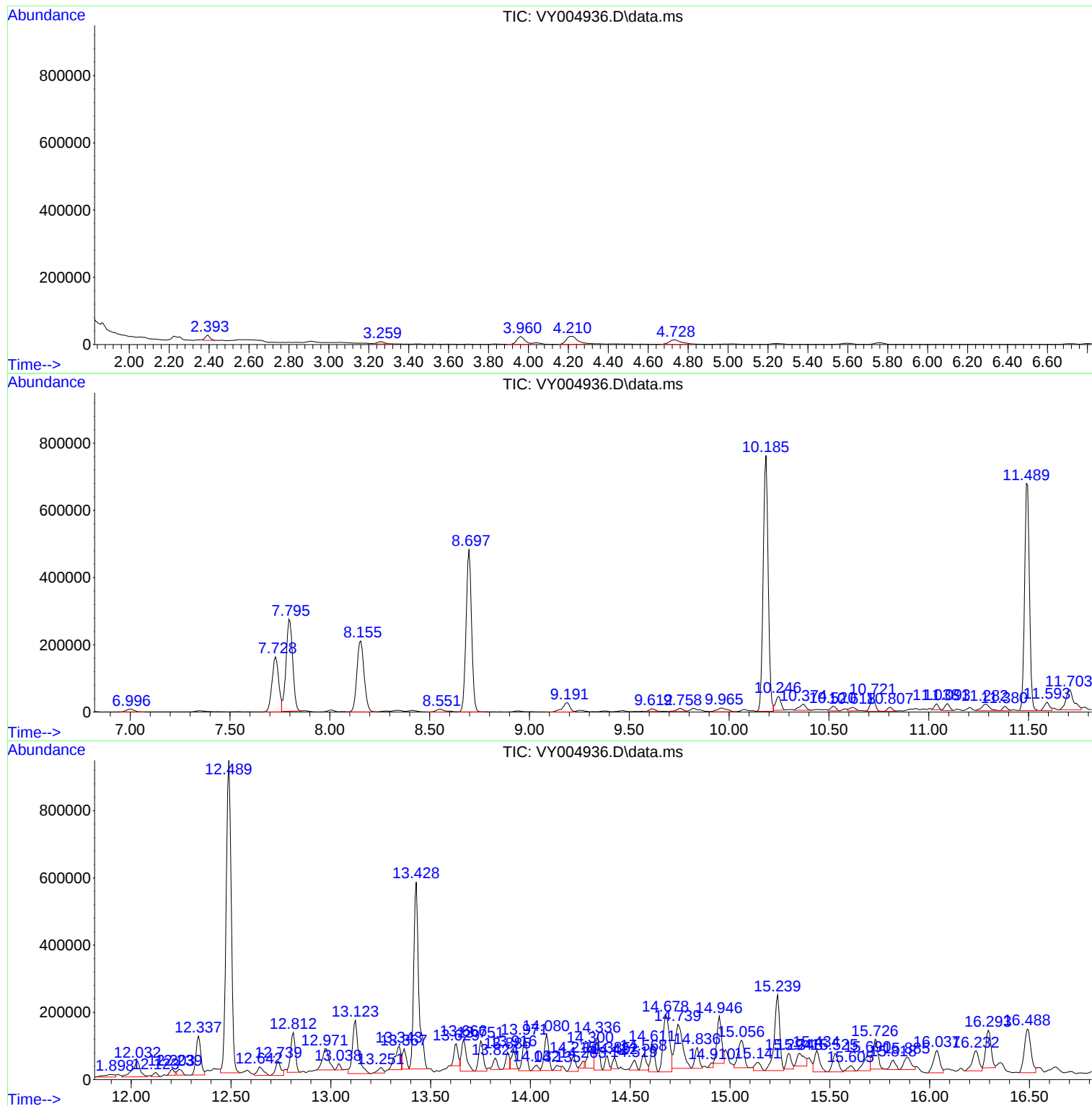
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Instrument :  
MSVOA\_Y  
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18-B8(4-6)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060221S.M  
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY060321\  
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Misc : 5.93G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
18-B8(4-6)

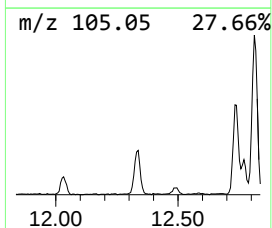
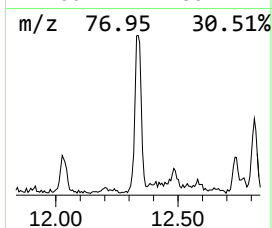
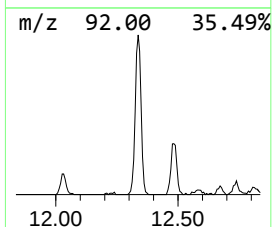
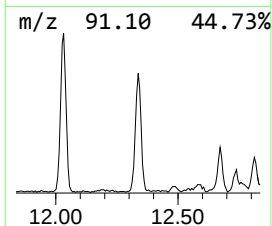
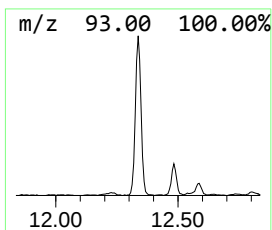
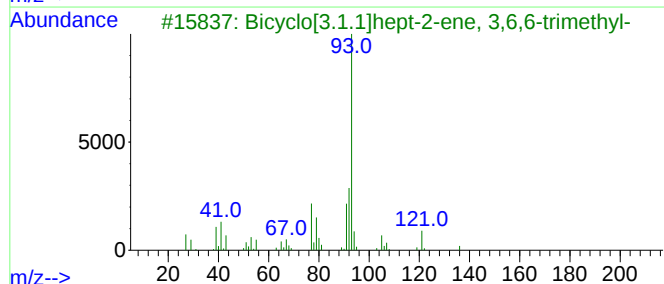
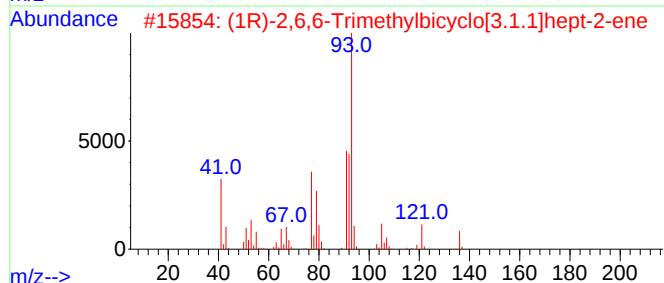
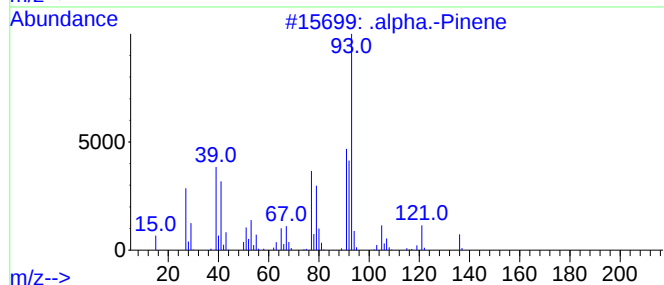
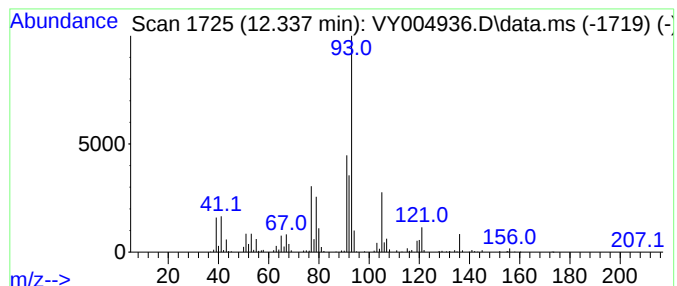
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060221S.M  
Quant Title : SW846 8260

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

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Peak Number 1 .alpha.-Pinene Concentration Rank 7

| R.T.   | EstConc   | Area   | Relative to ISTD | R.T.   |
|--------|-----------|--------|------------------|--------|
| 12.337 | 8.66 ug/l | 196618 | Chlorobenzene-d5 | 11.489 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | .alpha.-Pinene                      | 136 | C10H16  | 000080-56-8 | 93   |
| 2    |    |   | (1R)-2,6,6-Trimethylbicyclo[3.1.... | 136 | C10H16  | 007785-70-8 | 92   |
| 3    |    |   | Bicyclo[3.1.1]hept-2-ene, 3,6,6-... | 136 | C10H16  | 004889-83-2 | 87   |
| 4    |    |   | (1S)-2,6,6-Trimethylbicyclo[3.1.... | 136 | C10H16  | 007785-26-4 | 87   |
| 5    |    |   | .gamma.-Terpinene                   | 136 | C10H16  | 000099-85-4 | 83   |



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18-B8(4-6)

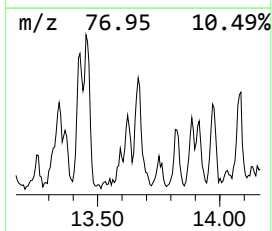
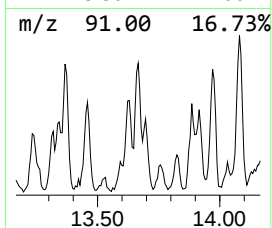
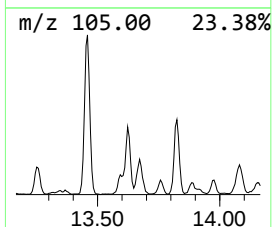
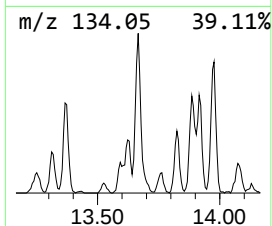
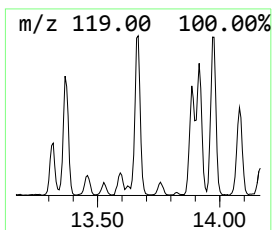
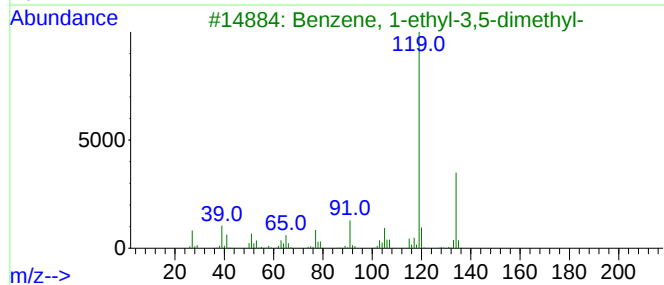
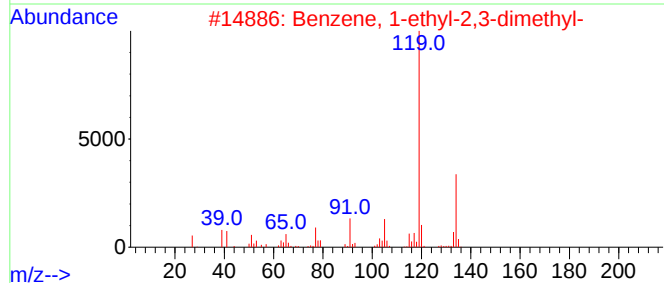
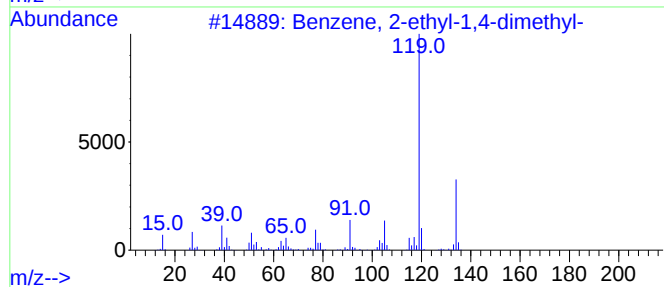
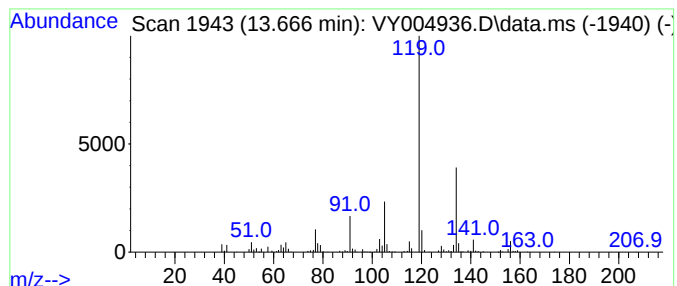
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060221S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 2 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 10

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 13.666 | 8.22 ug/l | 160582 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14  | 001758-88-9 | 90   |
| 2    |    |   | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14  | 000933-98-2 | 87   |
| 3    |    |   | Benzene, 1-ethyl-3,5-dimethyl- | 134 | C10H14  | 000934-74-7 | 87   |
| 4    |    |   | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14  | 000934-80-5 | 87   |
| 5    |    |   | Benzene, 1,2,3,4-tetramethyl-  | 134 | C10H14  | 000488-23-3 | 81   |



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18-B8(4-6)

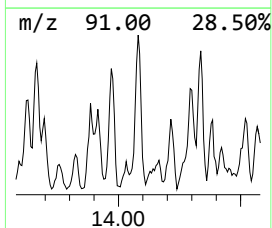
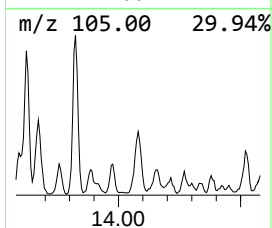
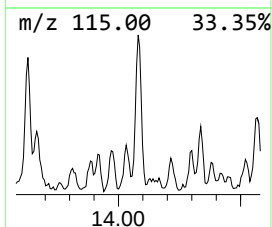
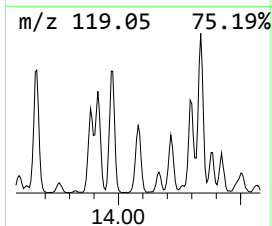
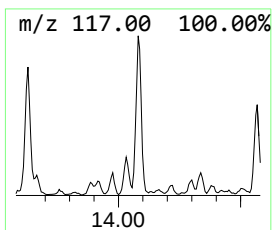
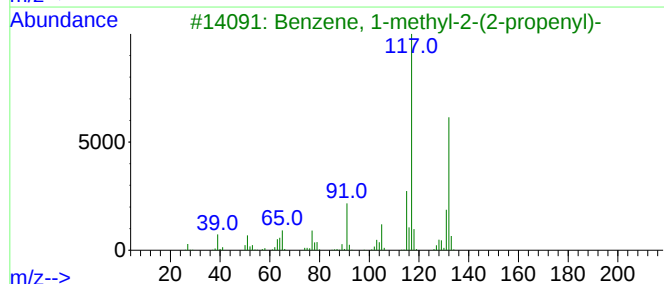
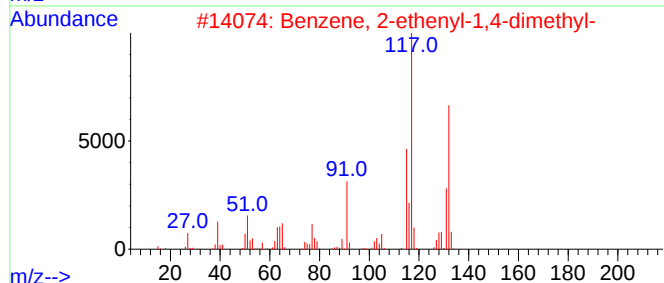
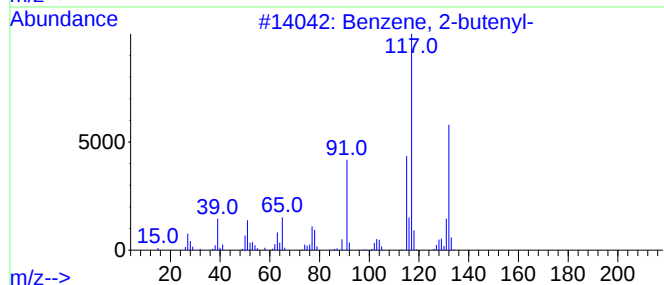
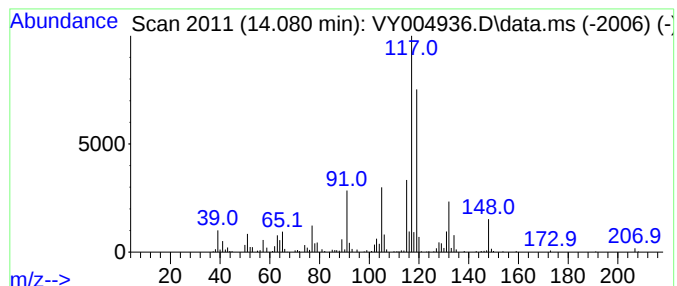
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 3 Benzene, 2-butenyl- Concentration Rank 8

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 14.080 | 8.45 ug/l | 165092 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                      | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 2-butenyl-               | 132 | C10H12  | 001560-06-1 | 80   |
| 2    |    |   | Benzene, 2-ethenyl-1,4-dimethyl-  | 132 | C10H12  | 002039-89-6 | 64   |
| 3    |    |   | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12  | 001587-04-8 | 60   |
| 4    |    |   | 1H-Indene, 2,3-dihydro-2-methyl-  | 132 | C10H12  | 000824-63-5 | 55   |
| 5    |    |   | 1-Phenyl-1-butene                 | 132 | C10H12  | 000824-90-8 | 55   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY060321\  
Data File : VY004936.D  
Acq On : 03 Jun 2021 15:03  
Operator : SY/MD  
Sample : M2589-06  
Misc : 5.93G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
18-B8(4-6)

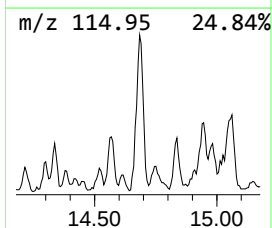
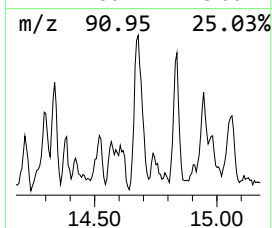
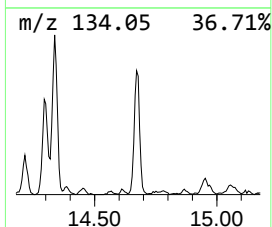
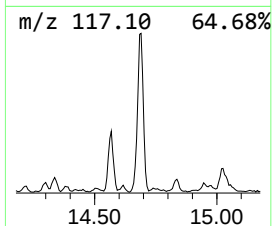
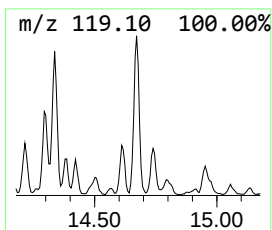
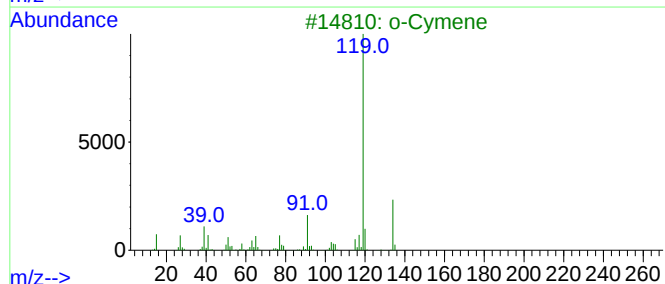
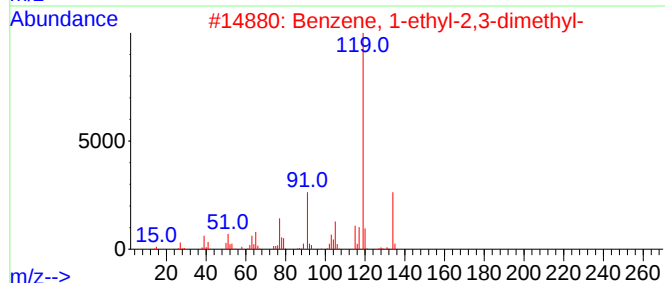
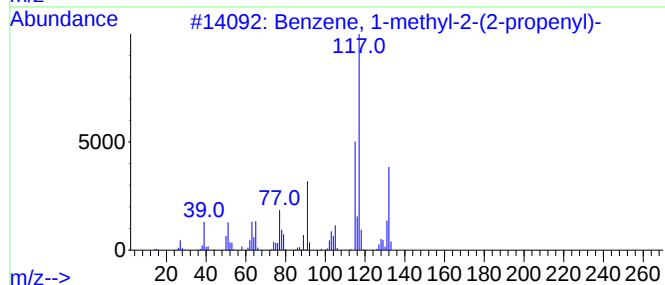
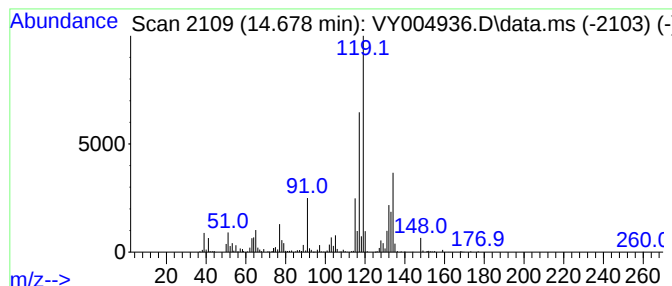
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 4 Benzene, 1-methyl-2-(2-prop... Concentration Rank 1

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 14.678 | 19.55 ug/l | 381907 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                      | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12  | 001587-04-8 | 83   |
| 2    |    |   | Benzene, 1-ethyl-2,3-dimethyl-    | 134 | C10H14  | 000933-98-2 | 49   |
| 3    |    |   | o-Cymene                          | 134 | C10H14  | 000527-84-4 | 49   |
| 4    |    |   | Benzene, 2-ethyl-1,3-dimethyl-    | 134 | C10H14  | 002870-04-4 | 49   |
| 5    |    |   | p-Cymene                          | 134 | C10H14  | 000099-87-6 | 49   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY060321\  
Data File : VY004936.D  
Acq On : 03 Jun 2021 15:03  
Operator : SY/MD  
Sample : M2589-06  
Misc : 5.93G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
18-B8(4-6)

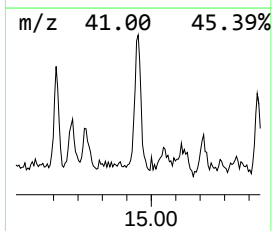
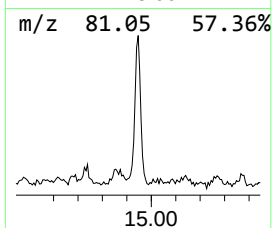
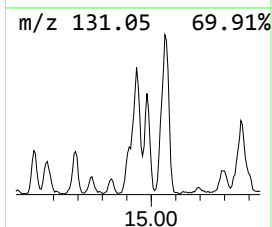
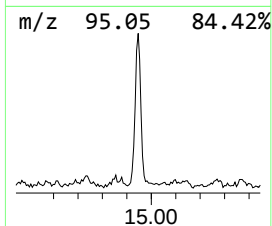
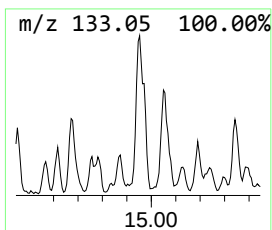
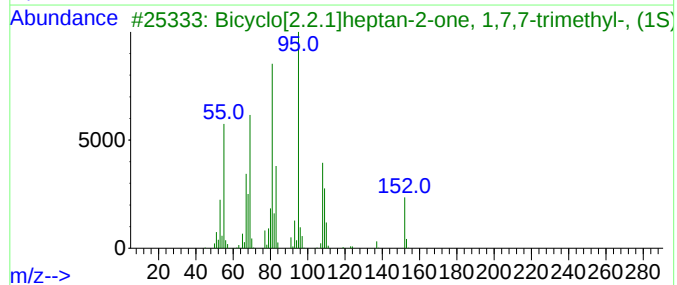
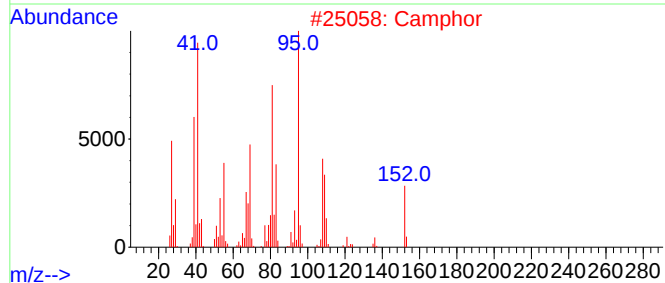
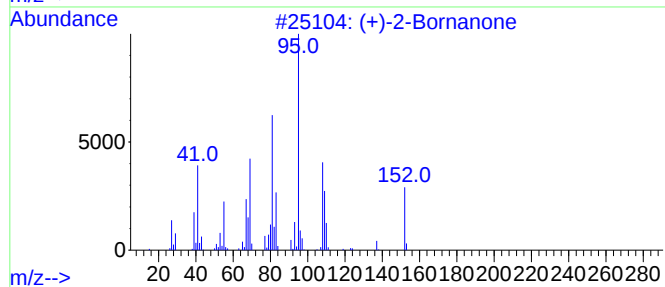
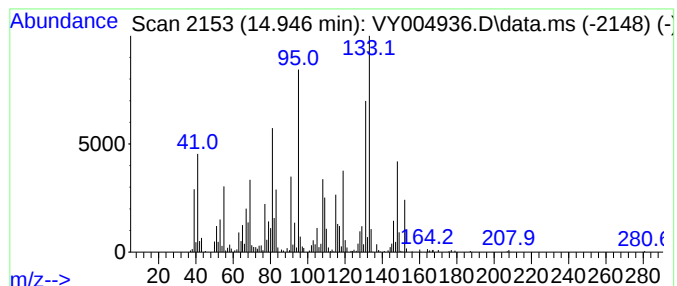
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 6 (+)-2-Bornanone Concentration Rank 4

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 14.946 | 11.92 ug/l | 232908 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | (+)-2-Bornanone                     | 152 | C10H16O | 000464-49-3 | 83   |
| 2    |    |   | Camphor                             | 152 | C10H16O | 000076-22-2 | 81   |
| 3    |    |   | Bicyclo[2.2.1]heptan-2-one, 1,7,... | 152 | C10H16O | 000464-48-2 | 56   |
| 4    |    |   | Benzene, 1,4-diethyl-2-methyl-      | 148 | C11H16  | 013632-94-5 | 41   |
| 5    |    |   | Ethanone, 1-(2,5-dimethylphenyl)-   | 148 | C10H12O | 002142-73-6 | 30   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY060321\  
Data File : VY004936.D  
Acq On : 03 Jun 2021 15:03  
Operator : SY/MD  
Sample : M2589-06  
Misc : 5.93G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
18-B8(4-6)

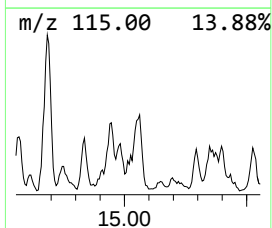
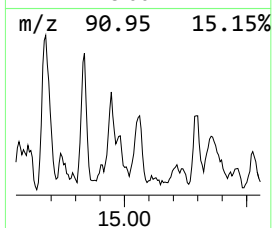
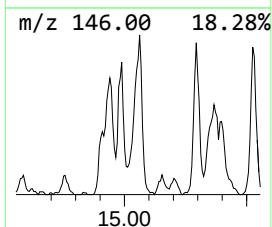
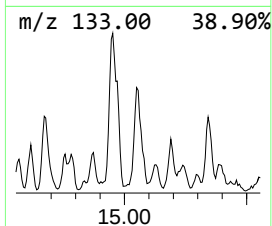
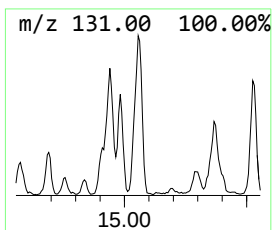
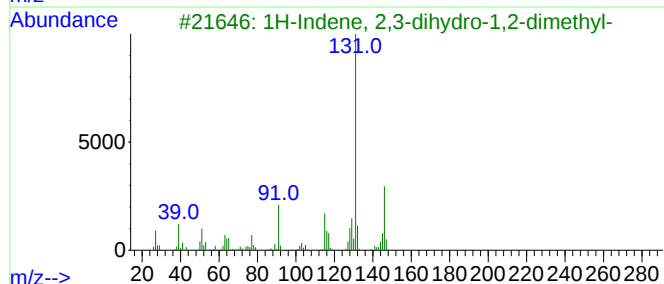
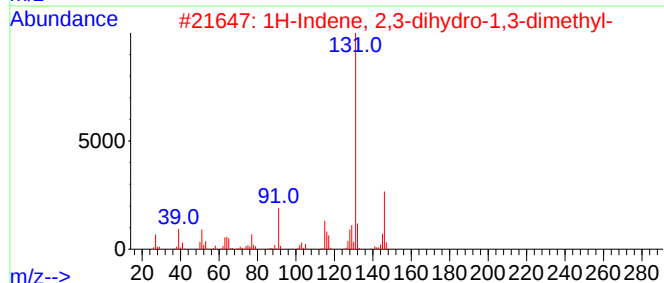
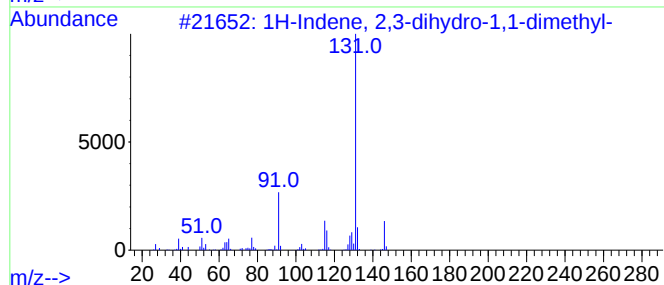
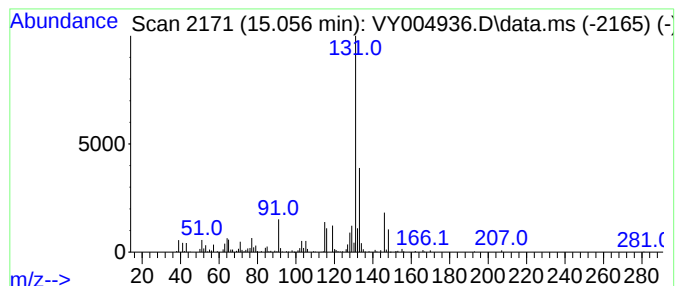
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Quant Title : SW846 8260

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

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Peak Number 7 1H-Indene, 2,3-dihydro-1,1-... Concentration Rank 6

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 15.056 | 8.73 ug/l | 170531 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 1H-Indene, 2,3-dihydro-1,1-dimet... | 146 | C11H14  | 004912-92-9 | 91   |
| 2    |    |   | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 | C11H14  | 004175-53-5 | 64   |
| 3    |    |   | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14  | 017057-82-8 | 64   |
| 4    |    |   | Bicyclo[4.2.0]octa-1,3,5-triene,... | 146 | C11H14  | 027087-54-3 | 64   |
| 5    |    |   | Benzene, (3-methyl-2-butenyl)-      | 146 | C11H14  | 004489-84-3 | 64   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY060321\  
Data File : VY004936.D  
Acq On : 03 Jun 2021 15:03  
Operator : SY/MD  
Sample : M2589-06  
Misc : 5.93G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
18-B8(4-6)

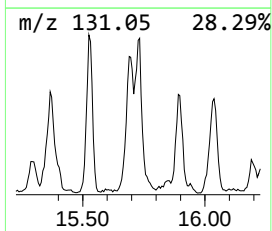
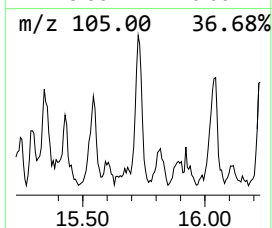
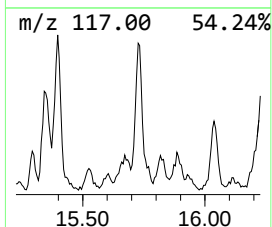
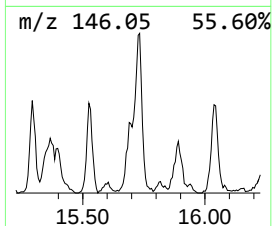
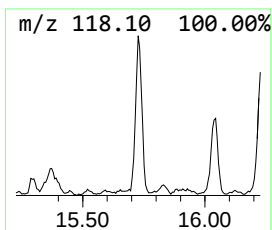
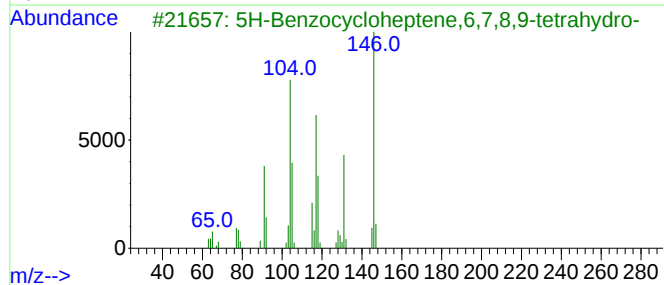
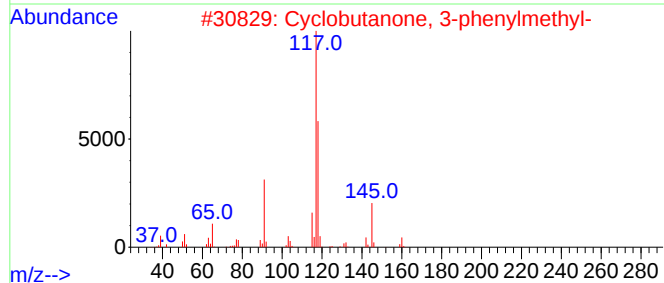
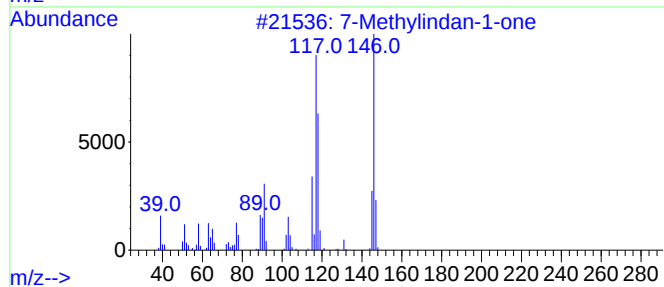
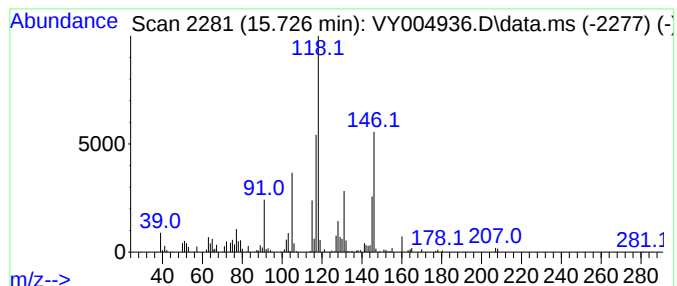
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Quant Title : SW846 8260

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

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Peak Number 8 unknown15.726 Concentration Rank 9

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 15.726 | 8.34 ug/l | 162907 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|---------|--------------|------|
| 1    |    |   | 7-Methylindan-1-one                 | 146 | C10H10O | 039627-61-7  | 43   |
| 2    |    |   | Cyclobutanone, 3-phenylmethyl-      | 160 | C11H12O | 055262-02-7  | 43   |
| 3    |    |   | 5H-Benzocycloheptene,6,7,8,9-tet... | 146 | C11H14  | 001075-16-7  | 38   |
| 4    |    |   | 2,3,4,5,6,7-Hexahydro-1H-cyclo...   | 146 | C11H14  | 1000189-31-0 | 38   |
| 5    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16  | 004175-54-6  | 35   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY060321\  
Data File : VY004936.D  
Acq On : 03 Jun 2021 15:03  
Operator : SY/MD  
Sample : M2589-06  
Misc : 5.93G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
18-B8(4-6)

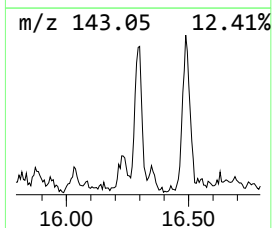
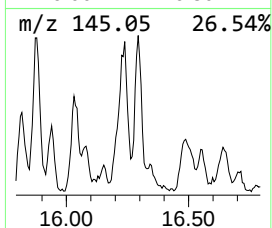
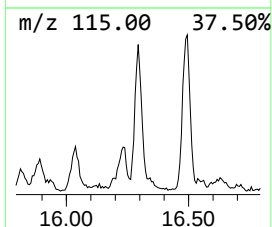
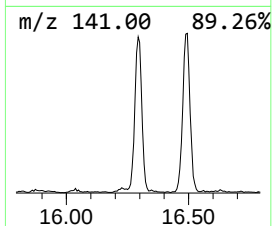
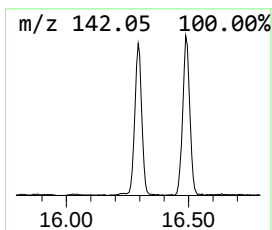
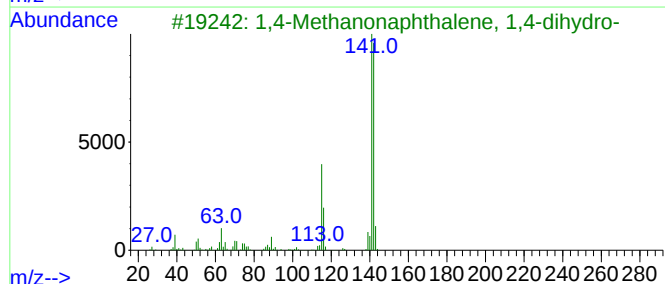
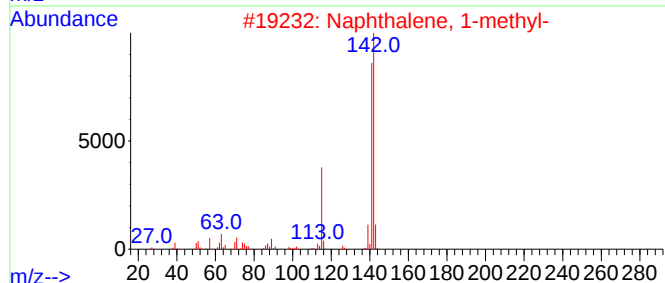
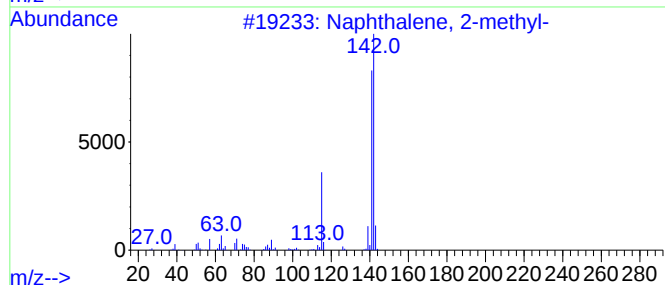
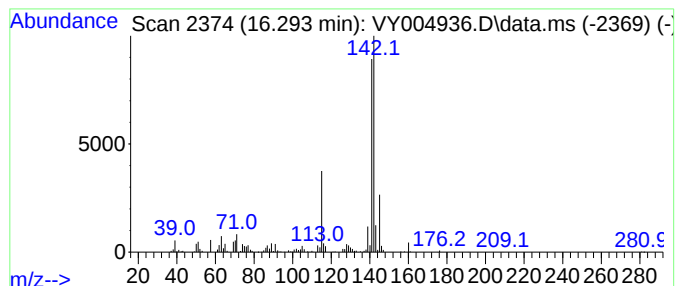
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 9 Naphthalene, 1-methyl- Concentration Rank 5

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 16.293 | 10.65 ug/l | 208071 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 2-methyl-              | 142 | C11H10  | 000091-57-6 | 96   |
| 2    |    |   | Naphthalene, 1-methyl-              | 142 | C11H10  | 000090-12-0 | 96   |
| 3    |    |   | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10  | 004453-90-1 | 91   |
| 4    |    |   | Benzocycloheptatriene               | 142 | C11H10  | 000264-09-5 | 87   |
| 5    |    |   | 1H-Indene, 1-ethylidene-            | 142 | C11H10  | 002471-83-2 | 81   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY060321\  
Data File : VY004936.D  
Acq On : 03 Jun 2021 15:03  
Operator : SY/MD  
Sample : M2589-06  
Misc : 5.93G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
18-B8(4-6)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060221S.M  
Quant Title : SW846 8260

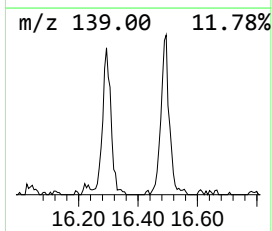
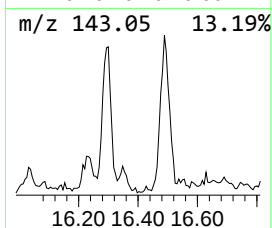
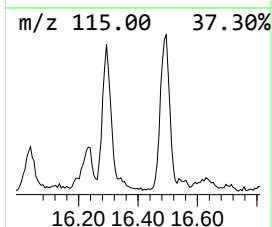
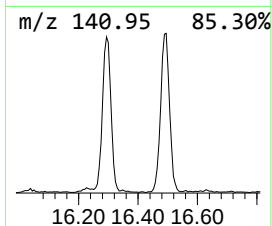
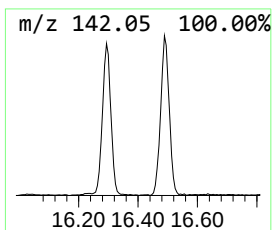
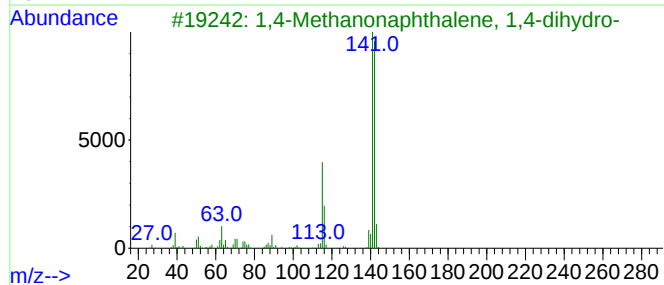
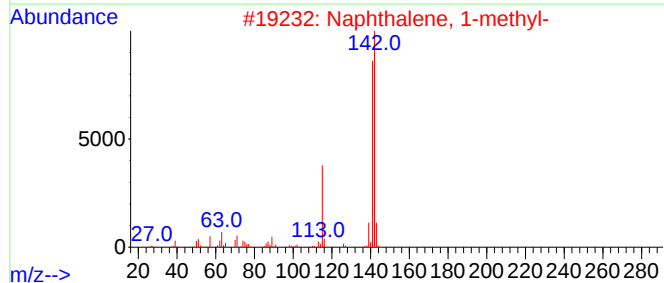
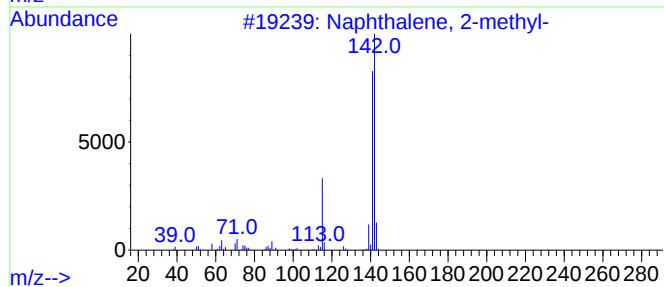
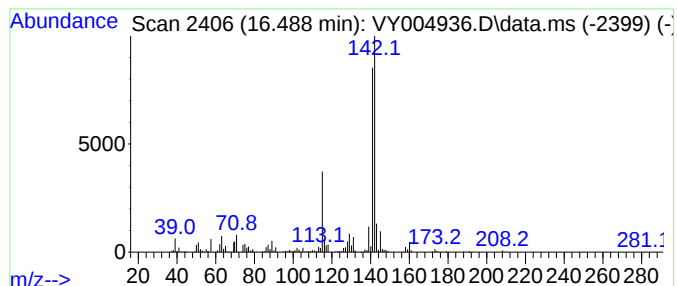
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 1,4-Methanonaphthalene, 1,4... Concentration Rank 3

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 16.488 | 15.34 ug/l | 299623 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 2-methyl-              | 142 | C11H10  | 000091-57-6 | 96   |
| 2    |    |   | Naphthalene, 1-methyl-              | 142 | C11H10  | 000090-12-0 | 96   |
| 3    |    |   | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10  | 004453-90-1 | 91   |
| 4    |    |   | Benzocycloheptatriene               | 142 | C11H10  | 000264-09-5 | 90   |
| 5    |    |   | 1H-Indene, 1-ethylidene-            | 142 | C11H10  | 002471-83-2 | 58   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY060321\  
Data File : VY004936.D  
Acq On : 03 Jun 2021 15:03  
Operator : SY/MD  
Sample : M2589-06  
Misc : 5.93G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
18-B8(4-6)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060221S.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 |
| .alpha.-Pinene     | 12.337 | 8.7     | ug/l  | 196618   | 3                     | 11.489 | 1134920 | 50.0 |
| Benzene, 2-ethy... | 13.666 | 8.2     | ug/l  | 160582   | 4                     | 13.428 | 976648  | 50.0 |
| Benzene, 2-bute... | 14.080 | 8.4     | ug/l  | 165092   | 4                     | 13.428 | 976648  | 50.0 |
| Benzene, 1-meth... | 14.678 | 19.6    | ug/l  | 381907   | 4                     | 13.428 | 976648  | 50.0 |
| (+)-2-Bornanone    | 14.946 | 11.9    | ug/l  | 232908   | 4                     | 13.428 | 976648  | 50.0 |
| 1H-Indene, 2,3-... | 15.056 | 8.7     | ug/l  | 170531   | 4                     | 13.428 | 976648  | 50.0 |
| unknown15.726      | 15.726 | 8.3     | ug/l  | 162907   | 4                     | 13.428 | 976648  | 50.0 |
| Naphthalene, 1-... | 16.293 | 10.7    | ug/l  | 208071   | 4                     | 13.428 | 976648  | 50.0 |
| 1,4-Methanonaph... | 16.488 | 15.3    | ug/l  | 299623   | 4                     | 13.428 | 976648  | 50.0 |