

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020322\  
 Data File : VY007376.D  
 Acq On : 03 Feb 2022 15:17  
 Operator : SY/MD  
 Sample : N1381-06  
 Misc : 6.20g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 DB-11(32-34)-02-02-22

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\82Y020222S.M  
 Title : SW846 8260

Signal : TIC: VY007376.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         | 7.716       | 958           | 967         | 973          | rBV      | 95037          | 227097        | 20.03%          | 3.717%        |
| 2         | 7.789       | 973           | 979         | 992          | rVB      | 151395         | 340152        | 30.00%          | 5.567%        |
| 3         | 8.143       | 1026          | 1037        | 1048         | rBV      | 85174          | 188925        | 16.66%          | 3.092%        |
| 4         | 8.691       | 1119          | 1127        | 1138         | rVB      | 243903         | 482269        | 42.53%          | 7.893%        |
| 5         | 10.179      | 1363          | 1371        | 1380         | rBV      | 397574         | 676787        | 59.69%          | 11.077%       |
| 6         | 11.087      | 1515          | 1520        | 1526         | rVV3     | 10862          | 18531         | 1.63%           | 0.303%        |
| 7         | 11.489      | 1578          | 1586        | 1596         | rBV      | 364284         | 597194        | 52.67%          | 9.774%        |
| 8         | 11.678      | 1611          | 1617        | 1622         | rBV8     | 5985           | 14309         | 1.26%           | 0.234%        |
| 9         | 11.733      | 1622          | 1626        | 1630         | rVV      | 12457          | 23864         | 2.10%           | 0.391%        |
| 10        | 11.776      | 1630          | 1633        | 1639         | rVB3     | 8510           | 13632         | 1.20%           | 0.223%        |
| 11        | 12.002      | 1662          | 1670        | 1677         | rBV8     | 13239          | 38577         | 3.40%           | 0.631%        |
| 12        | 12.124      | 1686          | 1690        | 1693         | rVB      | 15140          | 20852         | 1.84%           | 0.341%        |
| 13        | 12.203      | 1698          | 1703        | 1705         | rVV5     | 13219          | 23561         | 2.08%           | 0.386%        |
| 14        | 12.239      | 1705          | 1709        | 1715         | rVB5     | 20115          | 40836         | 3.60%           | 0.668%        |
| 15        | 12.373      | 1726          | 1731        | 1737         | rVB4     | 11476          | 23484         | 2.07%           | 0.384%        |
| 16        | 12.483      | 1742          | 1749        | 1757         | rBV3     | 624613         | 1133896       | 100.00%         | 18.558%       |
| 17        | 12.569      | 1757          | 1763        | 1766         | rBV7     | 5487           | 11830         | 1.04%           | 0.194%        |
| 18        | 12.642      | 1767          | 1775        | 1782         | rVB6     | 26264          | 58415         | 5.15%           | 0.956%        |
| 19        | 12.721      | 1782          | 1788        | 1792         | rBV4     | 11608          | 25880         | 2.28%           | 0.424%        |
| 20        | 12.806      | 1792          | 1802        | 1807         | rBV8     | 26412          | 69597         | 6.14%           | 1.139%        |
| 21        | 12.861      | 1807          | 1811        | 1816         | rVB2     | 17681          | 28944         | 2.55%           | 0.474%        |
| 22        | 12.947      | 1820          | 1825        | 1829         | rBV5     | 11599          | 16532         | 1.46%           | 0.271%        |
| 23        | 13.166      | 1857          | 1861        | 1864         | rVV4     | 8685           | 13569         | 1.20%           | 0.222%        |
| 24        | 13.318      | 1877          | 1886        | 1890         | rBV3     | 34057          | 67236         | 5.93%           | 1.100%        |
| 25        | 13.422      | 1897          | 1903        | 1909         | rBV      | 337313         | 520488        | 45.90%          | 8.519%        |
| 26        | 13.526      | 1917          | 1920        | 1923         | rBV      | 18269          | 27666         | 2.44%           | 0.453%        |
| 27        | 13.690      | 1942          | 1947        | 1950         | rBV6     | 6816           | 12175         | 1.07%           | 0.199%        |
| 28        | 13.745      | 1950          | 1956        | 1961         | rVV4     | 51571          | 97822         | 8.63%           | 1.601%        |
| 29        | 13.794      | 1961          | 1964        | 1968         | rVV2     | 18200          | 27621         | 2.44%           | 0.452%        |
| 30        | 13.849      | 1968          | 1973        | 1981         | rVV8     | 18447          | 47650         | 4.20%           | 0.780%        |
| 31        | 13.965      | 1981          | 1992        | 2004         | rVB5     | 47155          | 127766        | 11.27%          | 2.091%        |
| 32        | 14.074      | 2005          | 2010        | 2015         | rBV8     | 14354          | 27270         | 2.40%           | 0.446%        |
| 33        | 14.141      | 2017          | 2021        | 2026         | rVB6     | 11039          | 20487         | 1.81%           | 0.335%        |
| 34        | 14.196      | 2026          | 2030        | 2034         | rBV5     | 10866          | 15995         | 1.41%           | 0.262%        |
| 35        | 14.257      | 2034          | 2040        | 2053         | rVB6     | 56861          | 140937        | 12.43%          | 2.307%        |
| 36        | 14.373      | 2056          | 2059        | 2061         | rBV3     | 9471           | 12037         | 1.06%           | 0.197%        |

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 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 DB-11(32-34)-02-02-22

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\82Y020222S.M  
 Title : SW846 8260

|    |        |      |      |      |       |       |        |       |        |
|----|--------|------|------|------|-------|-------|--------|-------|--------|
| 37 | 14.416 | 2061 | 2066 | 2071 | rBV4  | 47869 | 73238  | 6.46% | 1.199% |
| 38 | 14.611 | 2095 | 2098 | 2102 | rBV5  | 12800 | 18752  | 1.65% | 0.307% |
| 39 | 14.672 | 2102 | 2108 | 2114 | rVV3  | 49597 | 107147 | 9.45% | 1.754% |
| 40 | 14.733 | 2114 | 2118 | 2124 | rVB3  | 30448 | 53724  | 4.74% | 0.879% |
| 41 | 14.849 | 2133 | 2137 | 2139 | rBV5  | 10032 | 14621  | 1.29% | 0.239% |
| 42 | 14.940 | 2149 | 2152 | 2156 | rVB2  | 26149 | 34600  | 3.05% | 0.566% |
| 43 | 14.983 | 2156 | 2159 | 2160 | rBV2  | 10161 | 11611  | 1.02% | 0.190% |
| 44 | 15.050 | 2165 | 2170 | 2174 | rVV4  | 20967 | 37911  | 3.34% | 0.620% |
| 45 | 15.208 | 2192 | 2196 | 2202 | rVB3  | 47467 | 72880  | 6.43% | 1.193% |
| 46 | 15.288 | 2203 | 2209 | 2212 | rBV8  | 18521 | 37344  | 3.29% | 0.611% |
| 47 | 15.446 | 2230 | 2235 | 2236 | rBV5  | 7858  | 12771  | 1.13% | 0.209% |
| 48 | 15.544 | 2241 | 2251 | 2254 | rBV10 | 13258 | 45137  | 3.98% | 0.739% |
| 49 | 15.684 | 2265 | 2274 | 2277 | rBV8  | 16731 | 48571  | 4.28% | 0.795% |
| 50 | 15.727 | 2278 | 2281 | 2287 | rVB4  | 18667 | 30419  | 2.68% | 0.498% |
| 51 | 16.025 | 2322 | 2330 | 2335 | rBV5  | 32032 | 73602  | 6.49% | 1.205% |
| 52 | 16.153 | 2347 | 2351 | 2356 | rVB4  | 23226 | 38042  | 3.35% | 0.623% |
| 53 | 16.220 | 2358 | 2362 | 2368 | rVB3  | 19275 | 39865  | 3.52% | 0.652% |
| 54 | 16.293 | 2368 | 2374 | 2377 | rBV5  | 17019 | 35268  | 3.11% | 0.577% |
| 55 | 16.476 | 2398 | 2404 | 2411 | rBV6  | 23620 | 64049  | 5.65% | 1.048% |
| 56 | 16.592 | 2421 | 2423 | 2435 | rVB8  | 9648  | 26534  | 2.34% | 0.434% |

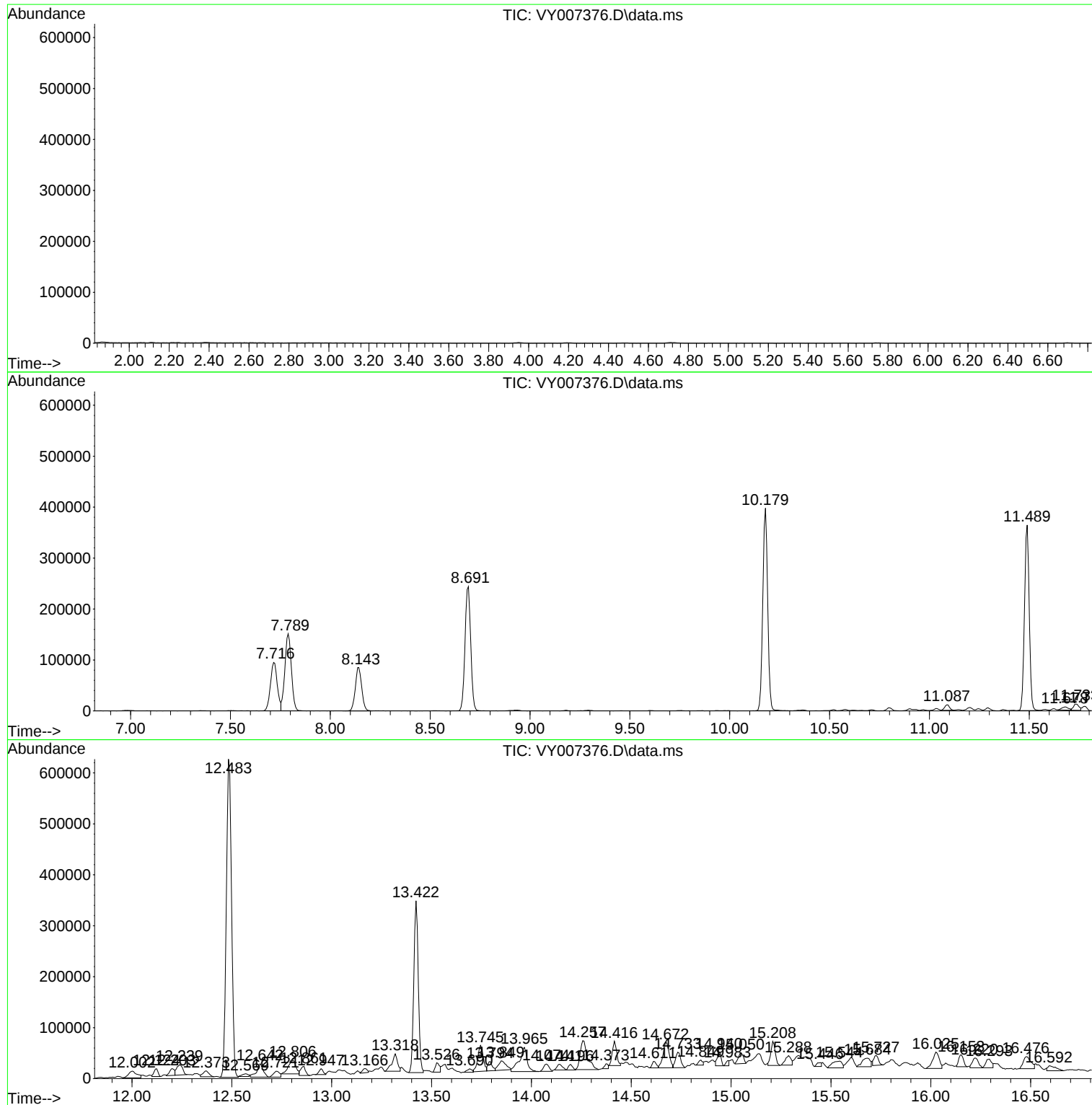
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ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
DB-11(32-34)-02-02-22

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020222S.M  
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020322\  
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Sample : N1381-06  
Misc : 6.20g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
DB-11(32-34)-02-02-22

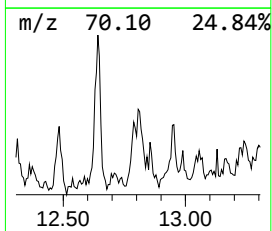
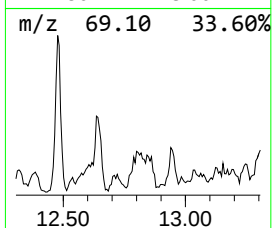
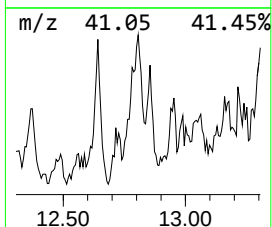
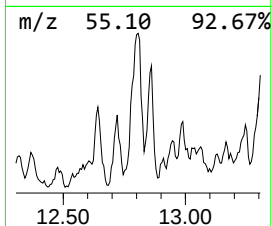
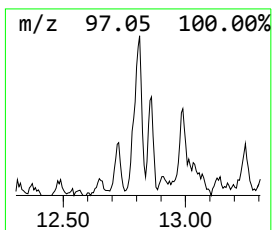
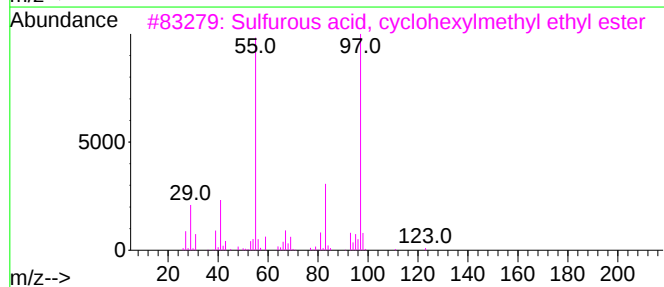
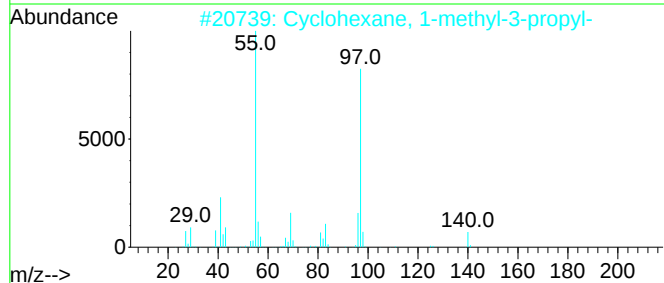
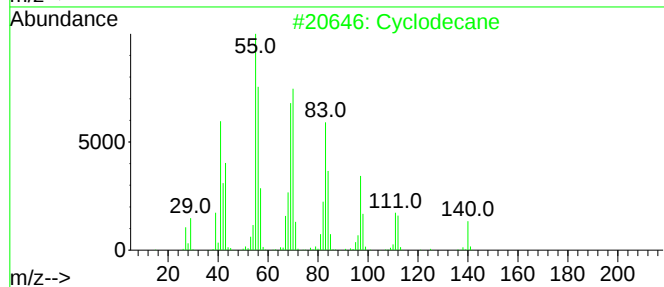
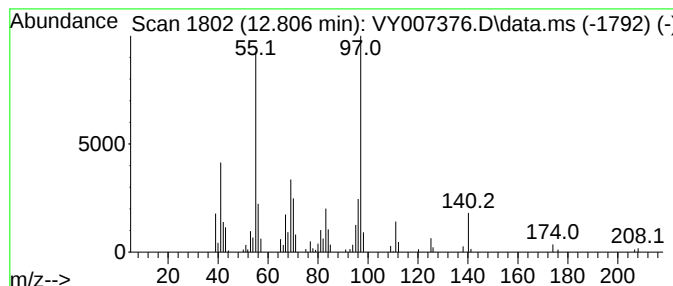
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020222S.M  
Quant Title : SW846 8260

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

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Peak Number 1 Cyclodecane Concentration Rank 8

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 12.806 | 6.69 ug/l | 69597 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Cyclodecane                         | 140 | C10H20   | 000293-96-9  | 55   |
| 2    |    |   | Cyclohexane, 1-methyl-3-propyl-     | 140 | C10H20   | 004291-80-9  | 52   |
| 3    |    |   | Sulfurous acid, cyclohexylmethyl... | 206 | C9H18O3S | 1000309-21-2 | 47   |
| 4    |    |   | 1-Methyl-4-(1-methylethyl)-cyclo... | 140 | C10H20   | 000099-82-1  | 46   |
| 5    |    |   | cis-2-Oxabicyclo[4.4.0]decane       | 140 | C9H16O   | 060416-19-5  | 38   |



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ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
DB-11(32-34)-02-02-22

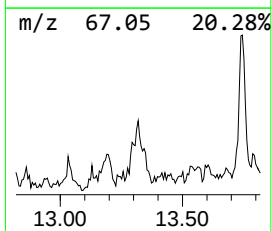
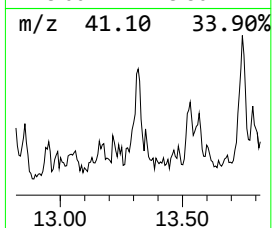
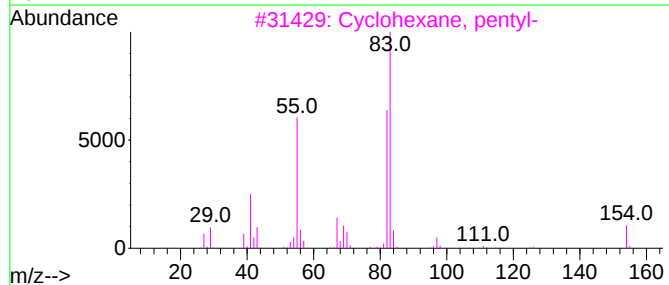
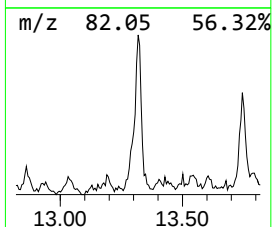
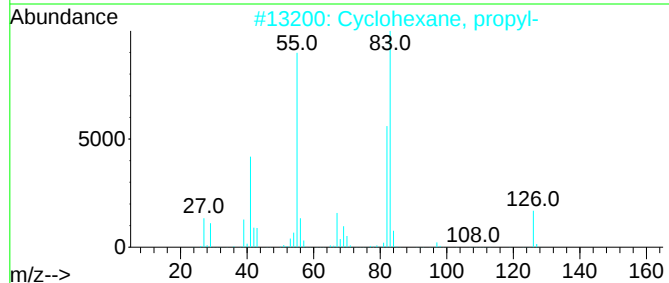
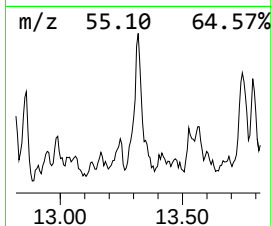
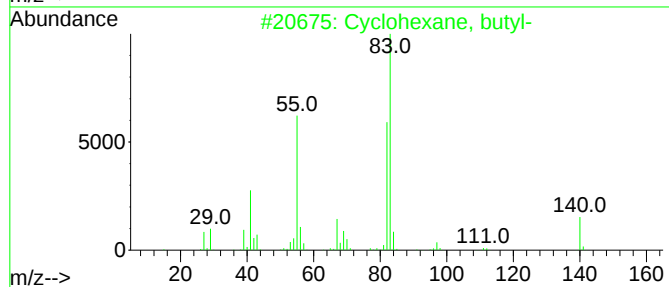
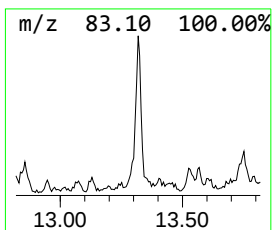
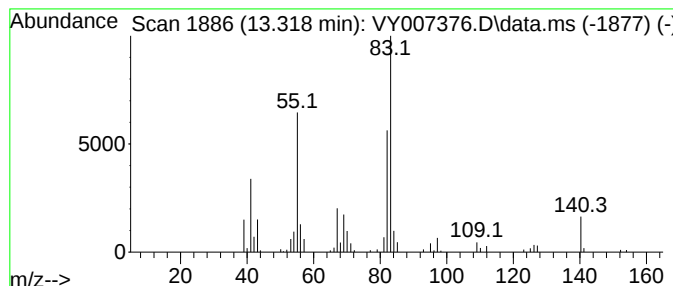
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020222S.M  
Quant Title : SW846 8260

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

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Peak Number 2 Cyclohexane, butyl- Concentration Rank 9

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 13.318 | 6.46 ug/l | 67236 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclohexane, butyl-           | 140 | C10H20  | 001678-93-9 | 94   |
| 2    |    |   | Cyclohexane, propyl-          | 126 | C9H18   | 001678-92-8 | 87   |
| 3    |    |   | Cyclohexane, pentyl-          | 154 | C11H22  | 004292-92-6 | 64   |
| 4    |    |   | Cyclohexane, octyl-           | 196 | C14H28  | 001795-15-9 | 64   |
| 5    |    |   | Cyclohexane, (1-methylethyl)- | 126 | C9H18   | 000696-29-7 | 59   |



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Instrument :  
MSVOA\_Y  
ClientSampleId :  
DB-11(32-34)-02-02-22

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020222S.M  
Quant Title : SW846 8260

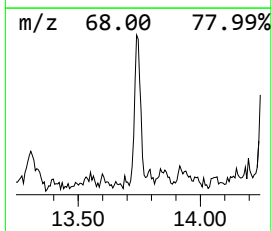
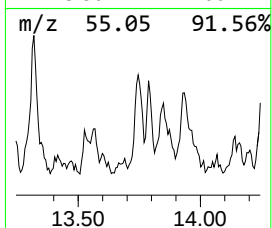
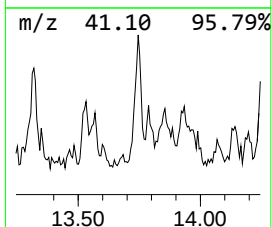
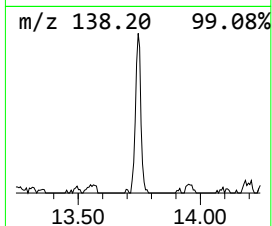
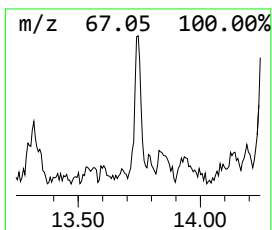
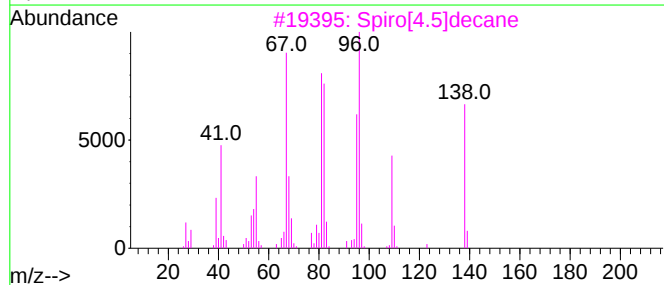
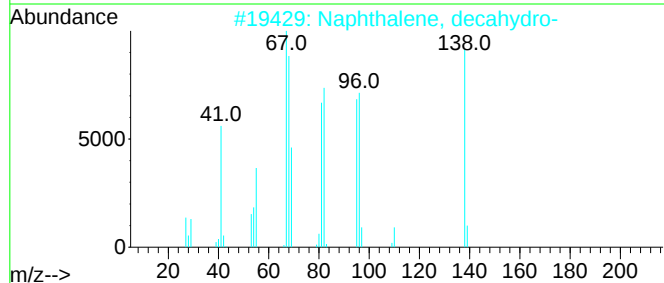
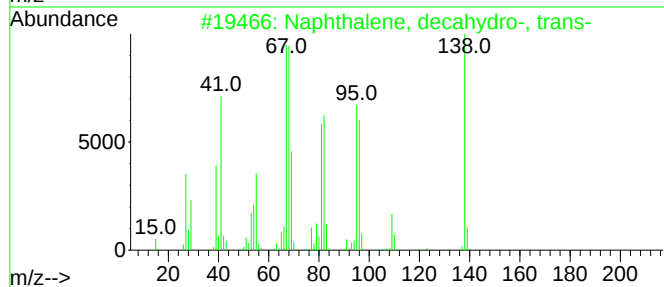
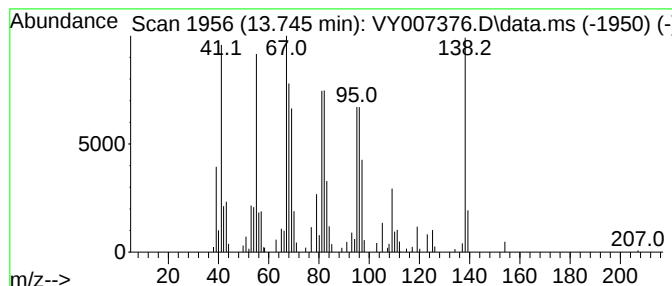
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Naphthalene, decahydro-, tr... Concentration Rank 4

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 13.745 | 9.40 ug/l | 97822 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                    | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, decahydro-, trans- | 138 | C10H18  | 000493-02-7 | 95   |
| 2    |    |   | Naphthalene, decahydro-         | 138 | C10H18  | 000091-17-8 | 94   |
| 3    |    |   | Spiro[4.5]decane                | 138 | C10H18  | 000176-63-6 | 74   |
| 4    |    |   | Naphthalene, decahydro-, cis-   | 138 | C10H18  | 000493-01-6 | 74   |
| 5    |    |   | cis-9-Tetradecen-1-ol           | 212 | C14H28O | 035153-15-2 | 64   |



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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020222S.M  
Quant Title : SW846 8260

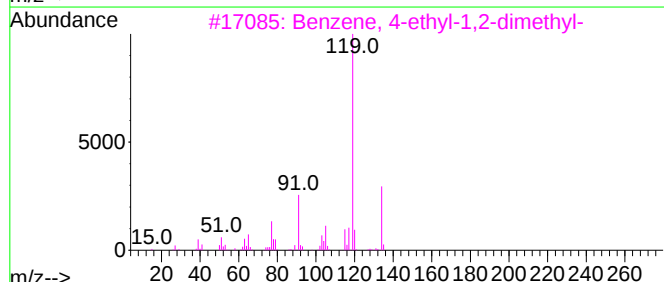
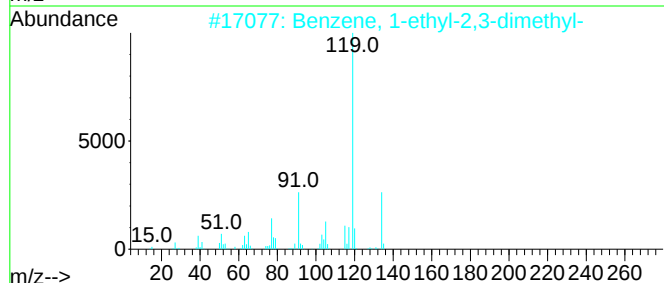
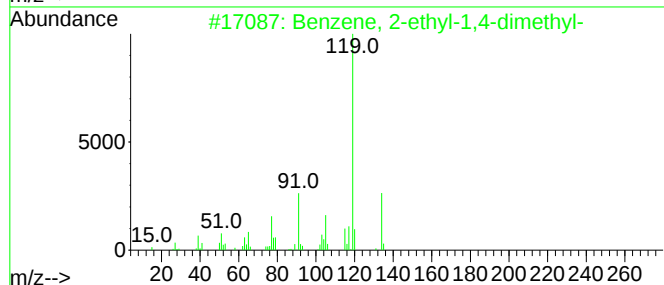
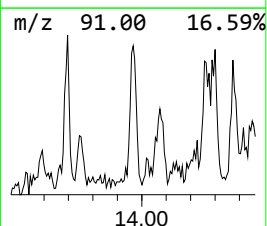
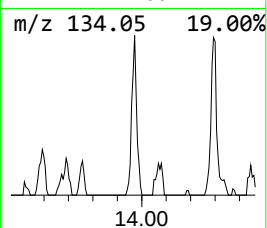
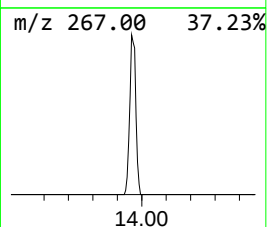
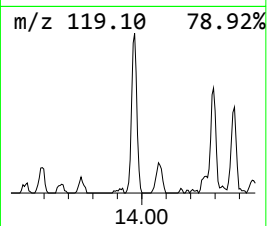
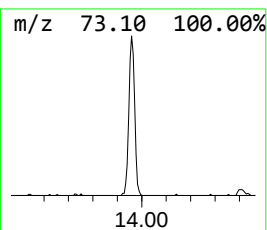
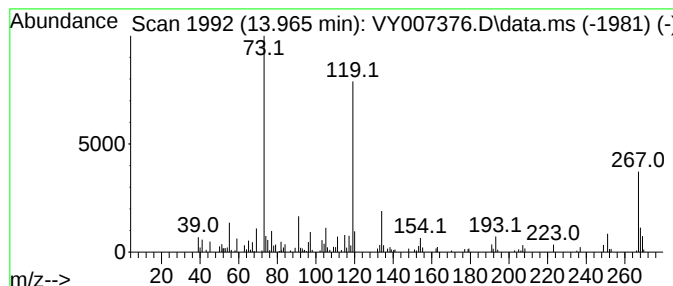
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 13.965 | 12.27 ug/l | 127766 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 2-ethyl-1,4-dimethyl-      | 134 | C10H14  | 001758-88-9 | 91   |
| 2    |    |   | Benzene, 1-ethyl-2,3-dimethyl-      | 134 | C10H14  | 000933-98-2 | 91   |
| 3    |    |   | Benzene, 4-ethyl-1,2-dimethyl-      | 134 | C10H14  | 000934-80-5 | 90   |
| 4    |    |   | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14  | 000535-77-3 | 87   |
| 5    |    |   | Benzene, 1,2,3,5-tetramethyl-       | 134 | C10H14  | 000527-53-7 | 87   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020322\  
Data File : VY007376.D  
Acq On : 03 Feb 2022 15:17  
Operator : SY/MD  
Sample : N1381-06  
Misc : 6.20g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
DB-11(32-34)-02-02-22

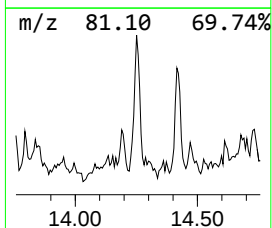
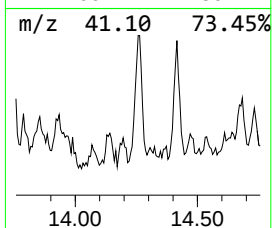
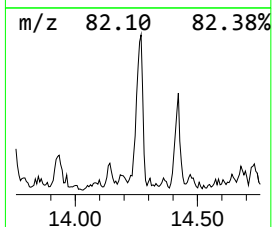
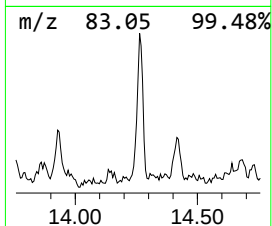
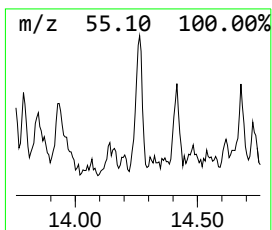
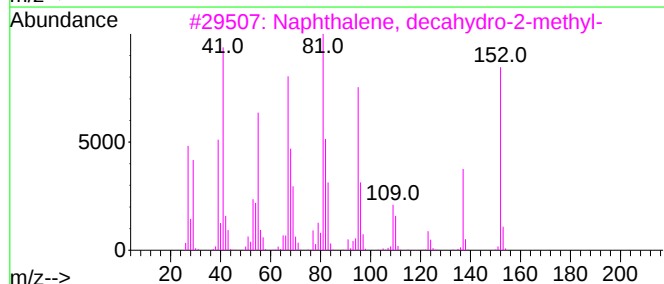
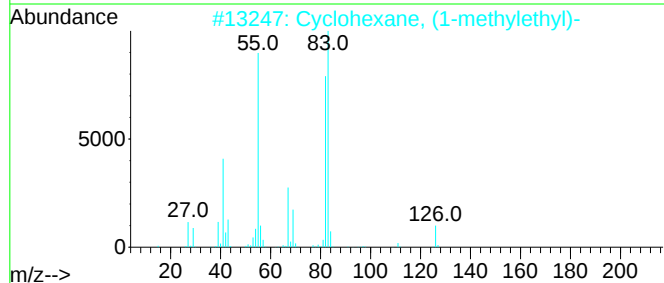
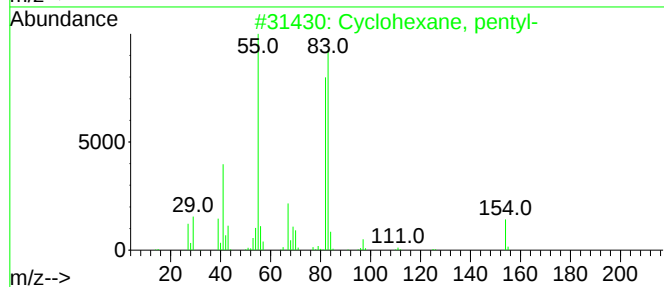
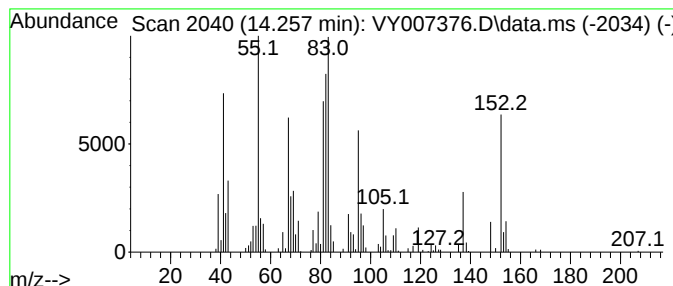
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Quant Title : SW846 8260

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

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Peak Number 5 unknown14.257 Concentration Rank 1

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 14.257 | 13.54 ug/l | 140937 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclohexane, pentyl-                | 154 | C11H22  | 004292-92-6 | 46   |
| 2    |    |   | Cyclohexane, (1-methylethyl)-       | 126 | C9H18   | 000696-29-7 | 43   |
| 3    |    |   | Naphthalene, decahydro-2-methyl-    | 152 | C11H20  | 002958-76-1 | 43   |
| 4    |    |   | Cyclohexanone, 5-methyl-2-(1-met... | 152 | C10H16O | 015932-80-6 | 42   |
| 5    |    |   | Bicyclo[4.3.1]decan-10-one          | 152 | C10H16O | 020440-21-5 | 38   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020322\  
Data File : VY007376.D  
Acq On : 03 Feb 2022 15:17  
Operator : SY/MD  
Sample : N1381-06  
Misc : 6.20g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
DB-11(32-34)-02-02-22

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020222S.M  
Quant Title : SW846 8260

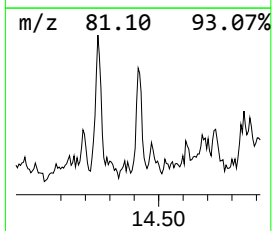
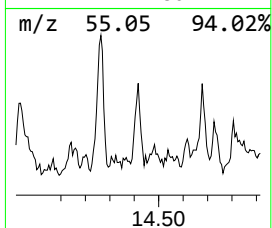
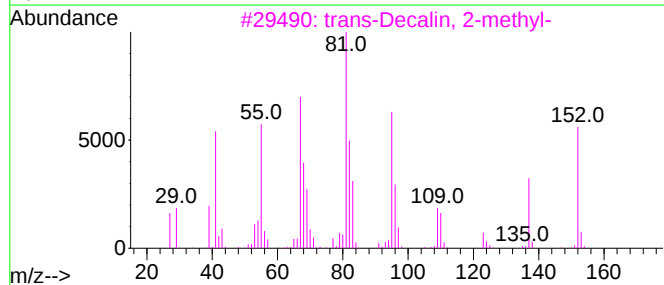
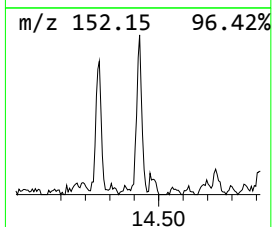
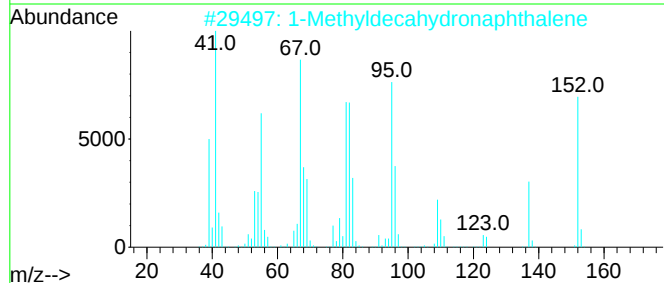
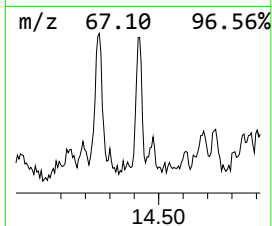
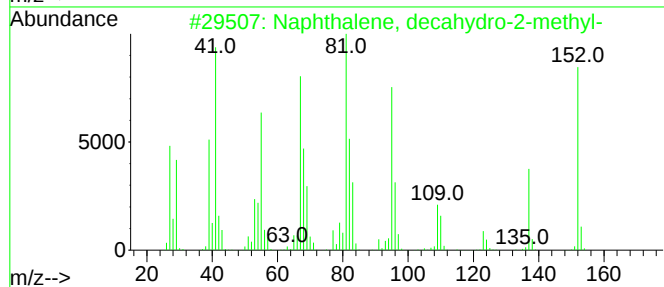
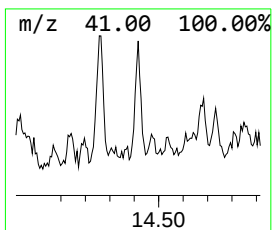
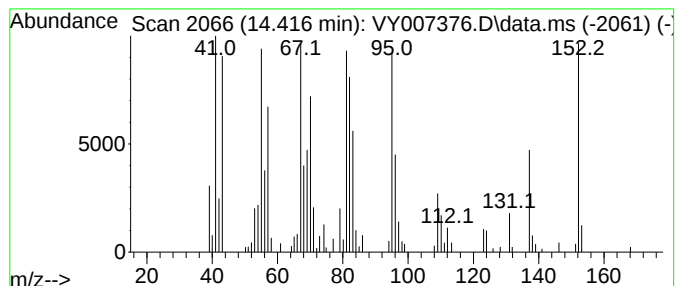
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 14.416 | 7.04 ug/l | 73238 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|---------|--------------|------|
| 1    |    |   | Naphthalene, decahydro-2-methyl-    | 152 | C11H20  | 002958-76-1  | 95   |
| 2    |    |   | 1-Methyldecahydronaphthalene        | 152 | C11H20  | 002958-75-0  | 93   |
| 3    |    |   | trans-Decalin, 2-methyl-            | 152 | C11H20  | 1000152-47-3 | 90   |
| 4    |    |   | cis-Decalin, 2-syn-methyl-          | 152 | C11H20  | 1000155-85-6 | 86   |
| 5    |    |   | trans-4a-Methyl-decahydronaphtha... | 152 | C11H20  | 002547-27-5  | 83   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020322\  
Data File : VY007376.D  
Acq On : 03 Feb 2022 15:17  
Operator : SY/MD  
Sample : N1381-06  
Misc : 6.20g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
DB-11(32-34)-02-02-22

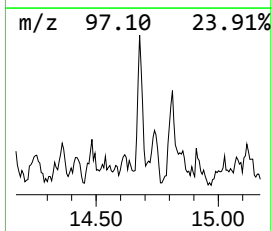
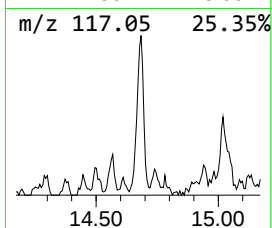
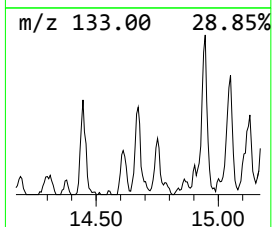
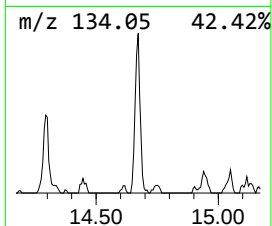
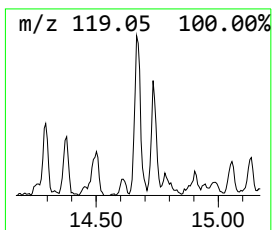
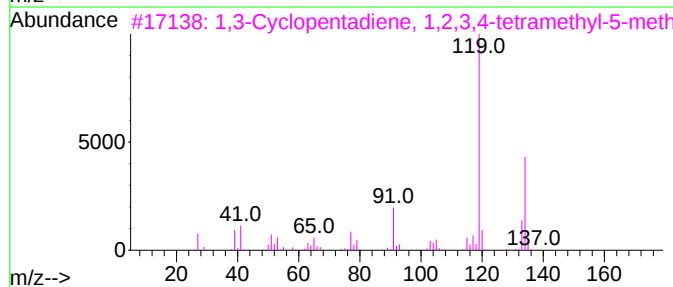
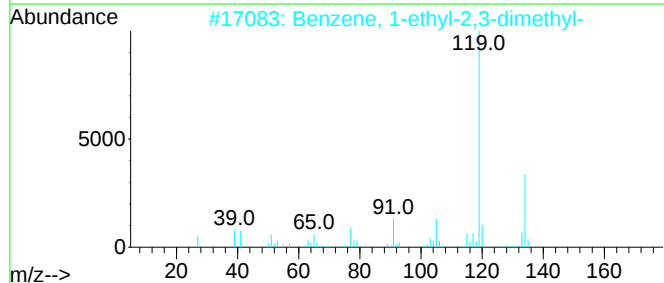
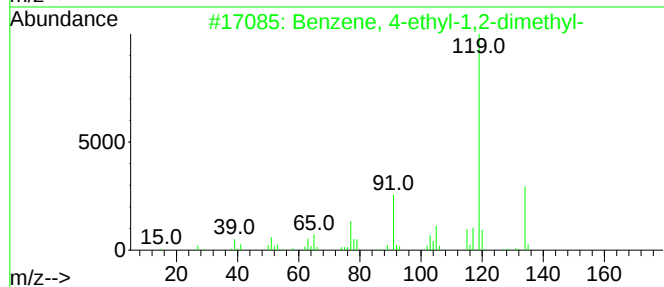
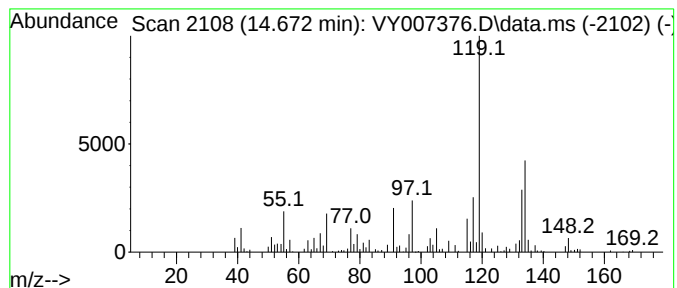
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Quant Title : SW846 8260

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

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Peak Number 7 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 3

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 14.672 | 10.29 ug/l | 107147 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 4-ethyl-1,2-dimethyl-      | 134 | C10H14  | 000934-80-5 | 91   |
| 2    |    |   | Benzene, 1-ethyl-2,3-dimethyl-      | 134 | C10H14  | 000933-98-2 | 70   |
| 3    |    |   | 1,3-Cyclopentadiene, 1,2,3,4-tet... | 134 | C10H14  | 076089-59-3 | 70   |
| 4    |    |   | Benzene, 1,2,3,5-tetramethyl-       | 134 | C10H14  | 000527-53-7 | 70   |
| 5    |    |   | Benzene, 1,2,4,5-tetramethyl-       | 134 | C10H14  | 000095-93-2 | 70   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020322\  
Data File : VY007376.D  
Acq On : 03 Feb 2022 15:17  
Operator : SY/MD  
Sample : N1381-06  
Misc : 6.20g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
DB-11(32-34)-02-02-22

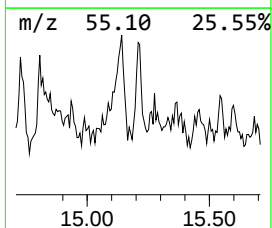
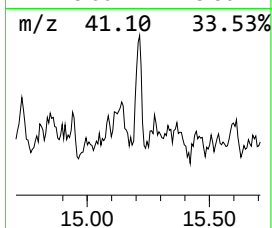
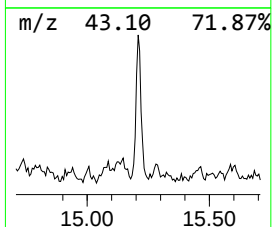
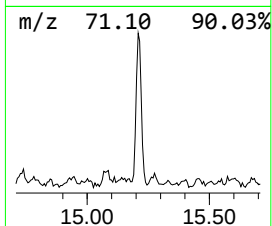
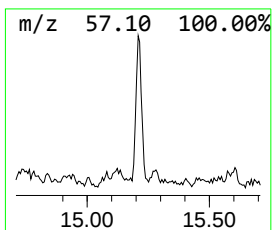
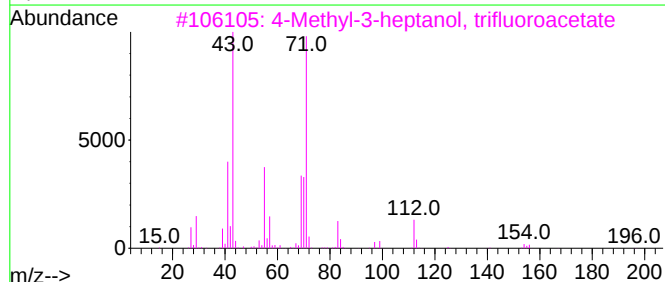
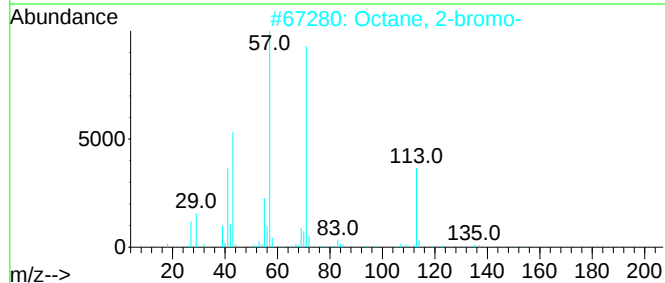
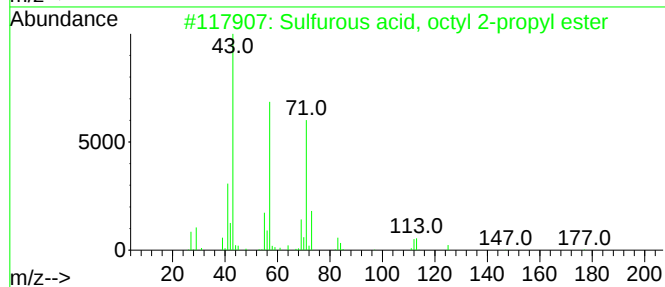
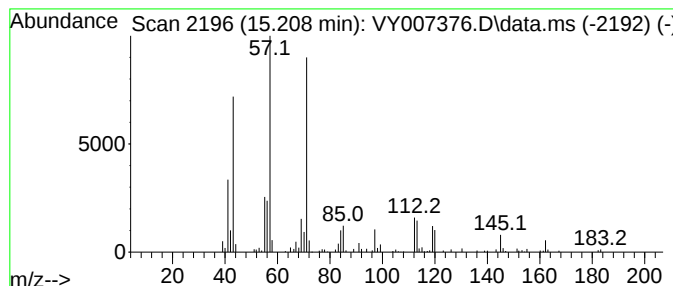
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Quant Title : SW846 8260

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

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Peak Number 8 Sulfurous acid, octyl 2-pro... Concentration Rank 7

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 15.208 | 7.00 ug/l | 72880 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|------------|--------------|------|
| 1    |    |   | Sulfurous acid, octyl 2-propyl e... | 236 | C11H24O3S  | 1000309-11-9 | 50   |
| 2    |    |   | Octane, 2-bromo-                    | 192 | C8H17Br    | 000557-35-7  | 50   |
| 3    |    |   | 4-Methyl-3-heptanol, trifluoroac... | 226 | C10H17F3O2 | 1000365-51-8 | 47   |
| 4    |    |   | 3-Bromooctane                       | 192 | C8H17Br    | 000999-64-4  | 47   |
| 5    |    |   | Butane, 2,2-dimethyl-               | 86  | C6H14      | 000075-83-2  | 47   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020322\  
Data File : VY007376.D  
Acq On : 03 Feb 2022 15:17  
Operator : SY/MD  
Sample : N1381-06  
Misc : 6.20g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
DB-11(32-34)-02-02-22

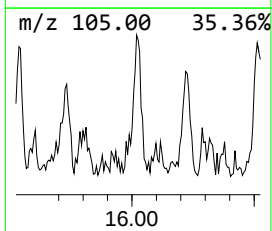
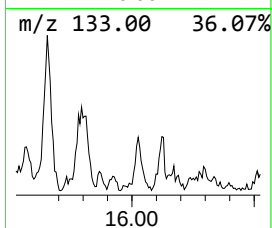
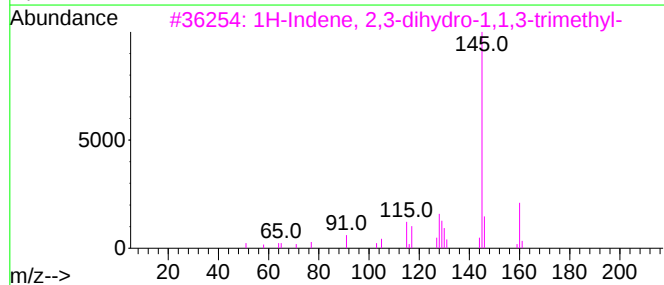
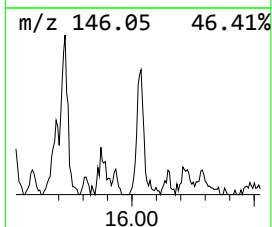
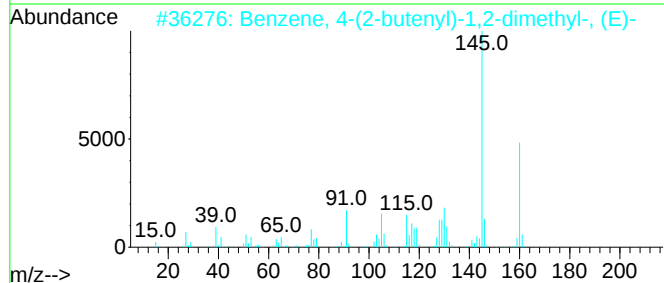
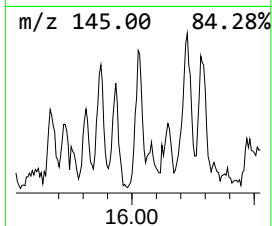
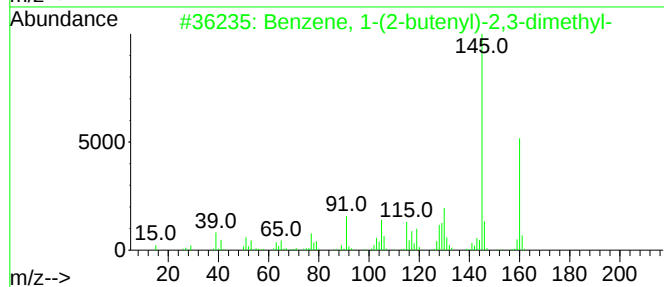
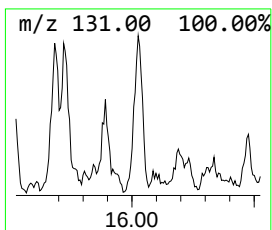
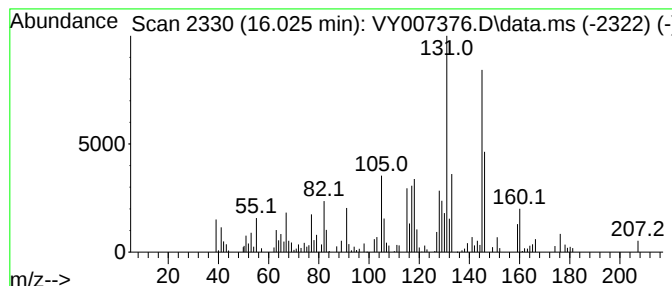
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Quant Title : SW846 8260

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

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Peak Number 9 unknown16.025 Concentration Rank 5

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 16.025 | 7.07 ug/l | 73602 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-(2-butenyl)-2,3-dimet... | 160 | C12H16  | 054340-85-1 | 49   |
| 2    |    |   | Benzene, 4-(2-butenyl)-1,2-dimet... | 160 | C12H16  | 054340-86-2 | 49   |
| 3    |    |   | 1H-Indene, 2,3-dihydro-1,1,3-tri... | 160 | C12H16  | 002613-76-5 | 45   |
| 4    |    |   | 2-Propenal, 3-(4-methylphenyl)-     | 146 | C10H10O | 001504-75-2 | 43   |
| 5    |    |   | Benzene, 1,3,5-trimethyl-2-(1-me... | 160 | C12H16  | 014679-13-1 | 43   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020322\  
Data File : VY007376.D  
Acq On : 03 Feb 2022 15:17  
Operator : SY/MD  
Sample : N1381-06  
Misc : 6.20g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
DB-11(32-34)-02-02-22

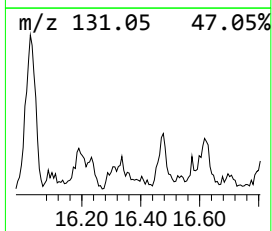
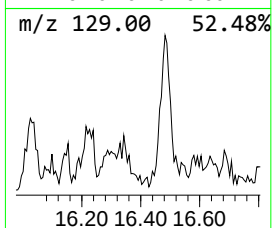
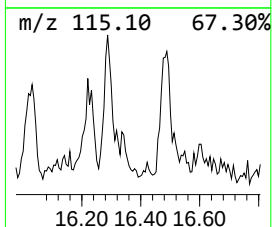
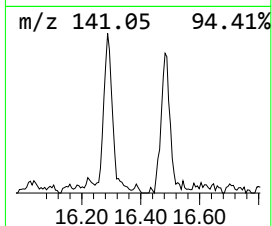
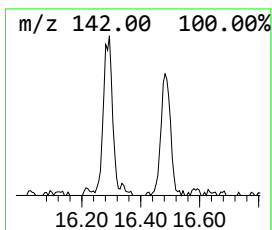
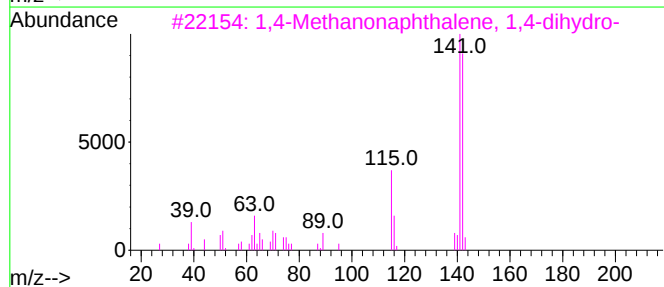
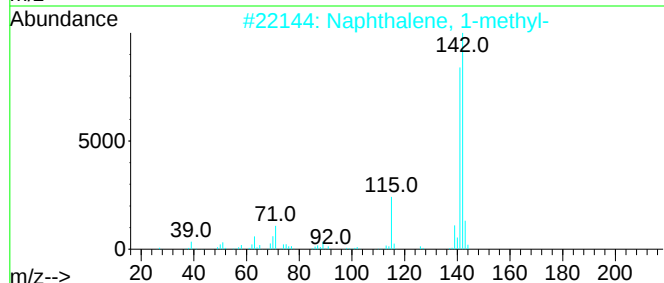
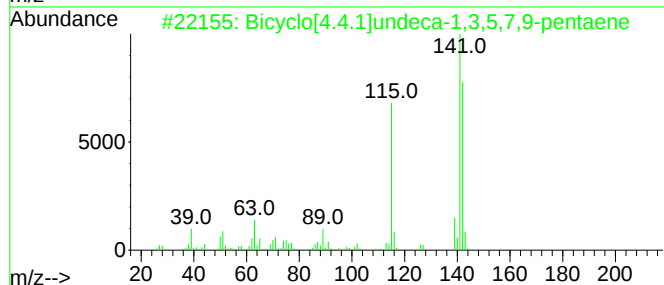
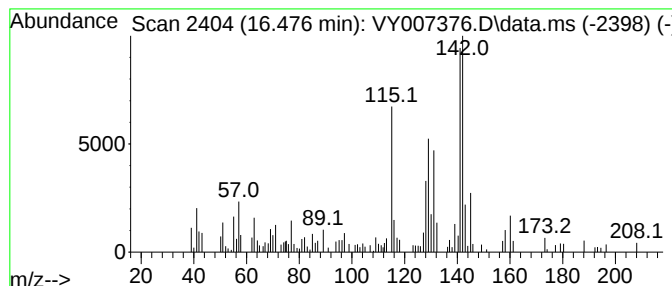
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Quant Title : SW846 8260

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

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Peak Number 10 Bicyclo[4.4.1]undeca-1,3,5,... Concentration Rank 10

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 16.476 | 6.15 ug/l | 64049 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Bicyclo[4.4.1]undeca-1,3,5,7,9-p... | 142 | C11H10  | 002443-46-1 | 90   |
| 2    |    |   | Naphthalene, 1-methyl-              | 142 | C11H10  | 000090-12-0 | 90   |
| 3    |    |   | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10  | 004453-90-1 | 64   |
| 4    |    |   | Naphthalene, 2-methyl-              | 142 | C11H10  | 000091-57-6 | 60   |
| 5    |    |   | Benzocycloheptatriene               | 142 | C11H10  | 000264-09-5 | 60   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020322\  
Data File : VY007376.D  
Acq On : 03 Feb 2022 15:17  
Operator : SY/MD  
Sample : N1381-06  
Misc : 6.20g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
DB-11(32-34)-02-02-22

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020222S.M  
Quant Title : SW846 8260

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

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |        |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|--------|------|
|                    |        |         |       |          | #                     | RT     | Resp   | Conc |
| Cyclodecane        | 12.806 | 6.7     | ug/l  | 69597    | 4                     | 13.422 | 520488 | 50.0 |
| Cyclohexane, bu... | 13.318 | 6.5     | ug/l  | 67236    | 4                     | 13.422 | 520488 | 50.0 |
| Naphthalene, de... | 13.745 | 9.4     | ug/l  | 97822    | 4                     | 13.422 | 520488 | 50.0 |
| Benzene, 2-ethy... | 13.965 | 12.3    | ug/l  | 127766   | 4                     | 13.422 | 520488 | 50.0 |
| unknown14.257      | 14.257 | 13.5    | ug/l  | 140937   | 4                     | 13.422 | 520488 | 50.0 |
| Naphthalene, de... | 14.416 | 7.0     | ug/l  | 73238    | 4                     | 13.422 | 520488 | 50.0 |
| Benzene, 4-ethy... | 14.672 | 10.3    | ug/l  | 107147   | 4                     | 13.422 | 520488 | 50.0 |
| Sulfurous acid,... | 15.208 | 7.0     | ug/l  | 72880    | 4                     | 13.422 | 520488 | 50.0 |
| unknown16.025      | 16.025 | 7.1     | ug/l  | 73602    | 4                     | 13.422 | 520488 | 50.0 |
| Bicyclo[4.4.1]u... | 16.476 | 6.2     | ug/l  | 64049    | 4                     | 13.422 | 520488 | 50.0 |