

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY052621\  
 Data File : VY004879.D  
 Acq On : 26 May 2021 12:21  
 Operator : SY/MD  
 Sample : M2521-01  
 Misc : 2.27G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 HR-01-052521

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\82Y051021S.M  
 Title : SW846 8260

Signal : TIC: VY004879.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         | 2.534       | 112           | 117         | 122          | rBV7     | 3668           | 10596         | 1.16%           | 0.168%        |
| 2         | 4.729       | 467           | 477         | 491          | rVB2     | 6587           | 20871         | 2.28%           | 0.331%        |
| 3         | 7.722       | 959           | 968         | 974          | rBV      | 81457          | 190508        | 20.80%          | 3.017%        |
| 4         | 7.795       | 974           | 980         | 992          | rVB      | 141602         | 319990        | 34.93%          | 5.068%        |
| 5         | 8.149       | 1027          | 1038        | 1049         | rBV      | 83125          | 183070        | 19.98%          | 2.899%        |
| 6         | 8.697       | 1119          | 1128        | 1138         | rBV      | 223523         | 442797        | 48.33%          | 7.013%        |
| 7         | 10.185      | 1364          | 1372        | 1378         | rBV      | 362168         | 632196        | 69.01%          | 10.013%       |
| 8         | 10.246      | 1378          | 1382        | 1388         | rVB      | 10050          | 16243         | 1.77%           | 0.257%        |
| 9         | 11.282      | 1546          | 1552        | 1563         | rVB4     | 4537           | 12251         | 1.34%           | 0.194%        |
| 10        | 11.490      | 1579          | 1586        | 1596         | rVB      | 318904         | 515753        | 56.30%          | 8.169%        |
| 11        | 11.593      | 1596          | 1603        | 1612         | rVV2     | 8418           | 17402         | 1.90%           | 0.276%        |
| 12        | 11.703      | 1612          | 1621        | 1630         | rVV4     | 37824          | 88381         | 9.65%           | 1.400%        |
| 13        | 12.032      | 1663          | 1675        | 1684         | rBV      | 23810          | 58938         | 6.43%           | 0.933%        |
| 14        | 12.245      | 1706          | 1710        | 1714         | rVB4     | 7168           | 12908         | 1.41%           | 0.204%        |
| 15        | 12.331      | 1720          | 1724        | 1729         | rBV5     | 7125           | 12939         | 1.41%           | 0.205%        |
| 16        | 12.489      | 1743          | 1750        | 1760         | rVB2     | 520645         | 916114        | 100.00%         | 14.510%       |
| 17        | 12.672      | 1768          | 1780        | 1784         | rVB      | 13986          | 35820         | 3.91%           | 0.567%        |
| 18        | 12.733      | 1784          | 1790        | 1794         | rBV      | 50319          | 87274         | 9.53%           | 1.382%        |
| 19        | 12.770      | 1794          | 1796        | 1798         | rVV2     | 20183          | 25452         | 2.78%           | 0.403%        |
| 20        | 12.806      | 1798          | 1802        | 1808         | rVB2     | 114745         | 185573        | 20.26%          | 2.939%        |
| 21        | 12.971      | 1821          | 1829        | 1836         | rBV      | 32379          | 68924         | 7.52%           | 1.092%        |
| 22        | 13.038      | 1836          | 1840        | 1847         | rVB3     | 18082          | 28294         | 3.09%           | 0.448%        |
| 23        | 13.123      | 1847          | 1854        | 1859         | rBV      | 133227         | 205363        | 22.42%          | 3.253%        |
| 24        | 13.251      | 1867          | 1875        | 1878         | rBV5     | 11425          | 25326         | 2.76%           | 0.401%        |
| 25        | 13.312      | 1878          | 1885        | 1890         | rBV3     | 29343          | 55979         | 6.11%           | 0.887%        |
| 26        | 13.361      | 1890          | 1893        | 1897         | rBV4     | 15225          | 20489         | 2.24%           | 0.325%        |
| 27        | 13.428      | 1897          | 1904        | 1908         | rBV      | 260408         | 448990        | 49.01%          | 7.111%        |
| 28        | 13.501      | 1913          | 1916        | 1921         | rVB3     | 11824          | 16214         | 1.77%           | 0.257%        |
| 29        | 13.623      | 1928          | 1936        | 1939         | rBV2     | 46776          | 77075         | 8.41%           | 1.221%        |
| 30        | 13.666      | 1939          | 1943        | 1952         | rVB3     | 49713          | 98926         | 10.80%          | 1.567%        |
| 31        | 13.751      | 1952          | 1957        | 1962         | rBV2     | 104137         | 152470        | 16.64%          | 2.415%        |
| 32        | 13.824      | 1965          | 1969        | 1975         | rVV      | 21428          | 37459         | 4.09%           | 0.593%        |
| 33        | 13.885      | 1975          | 1979        | 1981         | rVV2     | 21126          | 34122         | 3.72%           | 0.540%        |
| 34        | 13.916      | 1981          | 1984        | 1988         | rVV2     | 33583          | 45757         | 4.99%           | 0.725%        |
| 35        | 13.971      | 1988          | 1993        | 1998         | rVB2     | 58043          | 91642         | 10.00%          | 1.451%        |
| 36        | 14.026      | 1998          | 2002        | 2005         | rVB4     | 7481           | 10949         | 1.20%           | 0.173%        |

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 Sample : M2521-01  
 Misc : 2.27G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 HR-01-052521

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\82Y051021S.M  
 Title : SW846 8260

|    |        |      |      |      |      |       |        |        |        |
|----|--------|------|------|------|------|-------|--------|--------|--------|
| 37 | 14.081 | 2006 | 2011 | 2016 | rVB2 | 43218 | 67856  | 7.41%  | 1.075% |
| 38 | 14.135 | 2016 | 2020 | 2021 | rBV2 | 9772  | 12498  | 1.36%  | 0.198% |
| 39 | 14.215 | 2028 | 2033 | 2036 | rBV3 | 18749 | 33010  | 3.60%  | 0.523% |
| 40 | 14.276 | 2036 | 2043 | 2044 | rVV8 | 16875 | 42389  | 4.63%  | 0.671% |
| 41 | 14.300 | 2044 | 2047 | 2049 | rVV  | 22887 | 36501  | 3.98%  | 0.578% |
| 42 | 14.337 | 2049 | 2053 | 2057 | rVB  | 38443 | 59520  | 6.50%  | 0.943% |
| 43 | 14.379 | 2057 | 2060 | 2063 | rBV  | 20128 | 25768  | 2.81%  | 0.408% |
| 44 | 14.422 | 2063 | 2067 | 2070 | rVB3 | 15934 | 19575  | 2.14%  | 0.310% |
| 45 | 14.519 | 2080 | 2083 | 2087 | rVB3 | 10570 | 14185  | 1.55%  | 0.225% |
| 46 | 14.562 | 2087 | 2090 | 2094 | rBV2 | 14476 | 24106  | 2.63%  | 0.382% |
| 47 | 14.611 | 2094 | 2098 | 2103 | rVB  | 62668 | 85033  | 9.28%  | 1.347% |
| 48 | 14.672 | 2103 | 2108 | 2115 | rBV4 | 61475 | 136823 | 14.94% | 2.167% |
| 49 | 14.733 | 2115 | 2118 | 2124 | rVB3 | 23146 | 39356  | 4.30%  | 0.623% |
| 50 | 14.836 | 2130 | 2135 | 2141 | rVB  | 33631 | 49912  | 5.45%  | 0.791% |
| 51 | 14.946 | 2149 | 2153 | 2156 | rVV5 | 14673 | 21652  | 2.36%  | 0.343% |
| 52 | 14.983 | 2156 | 2159 | 2165 | rVB5 | 8768  | 15102  | 1.65%  | 0.239% |
| 53 | 15.050 | 2165 | 2170 | 2179 | rBV4 | 18371 | 37899  | 4.14%  | 0.600% |
| 54 | 15.129 | 2181 | 2183 | 2189 | rVB6 | 9599  | 17048  | 1.86%  | 0.270% |
| 55 | 15.214 | 2191 | 2197 | 2205 | rVB7 | 18517 | 43280  | 4.72%  | 0.685% |
| 56 | 15.294 | 2205 | 2210 | 2214 | rBV3 | 14542 | 24975  | 2.73%  | 0.396% |
| 57 | 15.349 | 2214 | 2219 | 2221 | rBV4 | 9774  | 17502  | 1.91%  | 0.277% |
| 58 | 15.434 | 2229 | 2233 | 2242 | rVB2 | 29962 | 52336  | 5.71%  | 0.829% |
| 59 | 15.519 | 2242 | 2247 | 2255 | rBV8 | 9926  | 26318  | 2.87%  | 0.417% |
| 60 | 15.605 | 2256 | 2261 | 2265 | rVV6 | 7509  | 12047  | 1.32%  | 0.191% |
| 61 | 15.684 | 2267 | 2274 | 2276 | rVV8 | 8058  | 17090  | 1.87%  | 0.271% |
| 62 | 15.727 | 2277 | 2281 | 2289 | rVV2 | 24764 | 44291  | 4.83%  | 0.701% |
| 63 | 15.818 | 2292 | 2296 | 2302 | rVB9 | 5746  | 10133  | 1.11%  | 0.160% |
| 64 | 15.891 | 2302 | 2308 | 2313 | rBV8 | 8100  | 18821  | 2.05%  | 0.298% |
| 65 | 16.037 | 2325 | 2332 | 2337 | rBV5 | 19483 | 42795  | 4.67%  | 0.678% |
| 66 | 16.226 | 2357 | 2363 | 2369 | rVV4 | 13798 | 27003  | 2.95%  | 0.428% |
| 67 | 16.294 | 2370 | 2374 | 2379 | rVV5 | 8959  | 14290  | 1.56%  | 0.226% |
| 68 | 16.489 | 2399 | 2406 | 2412 | rBV8 | 7734  | 21708  | 2.37%  | 0.344% |

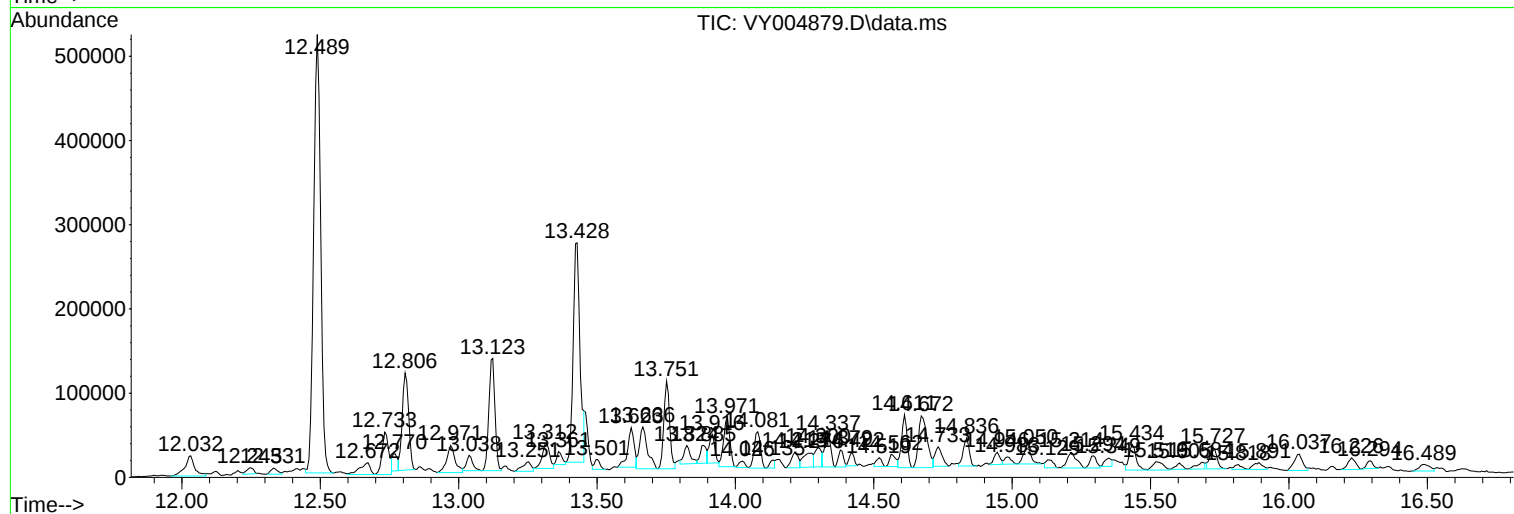
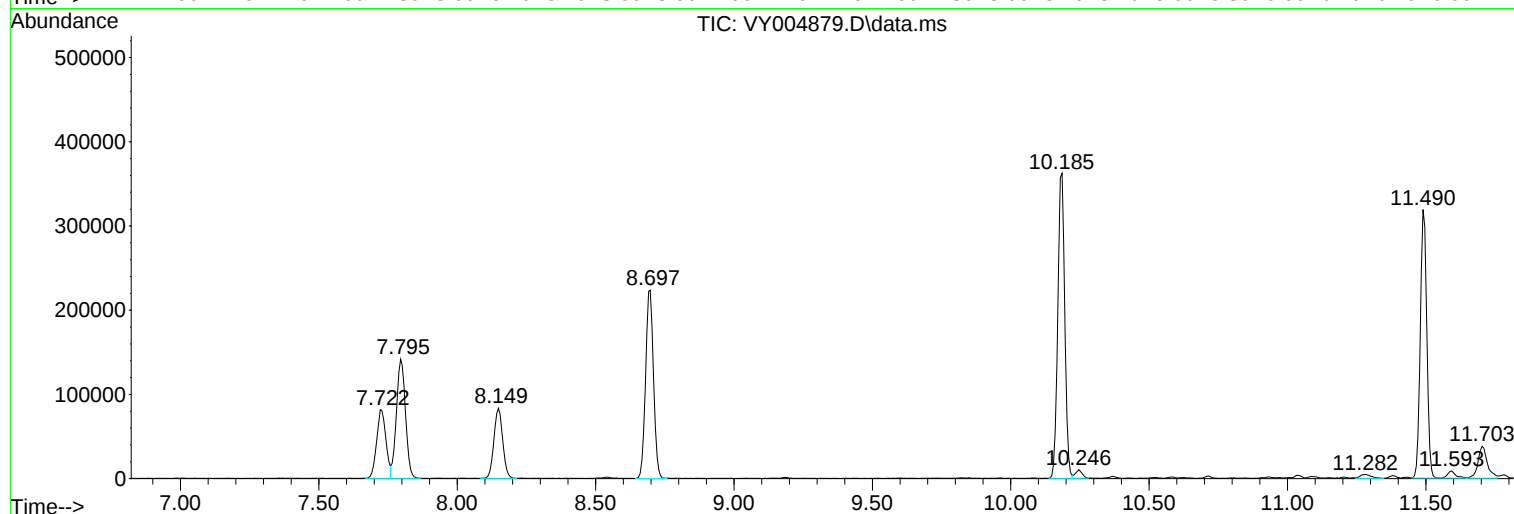
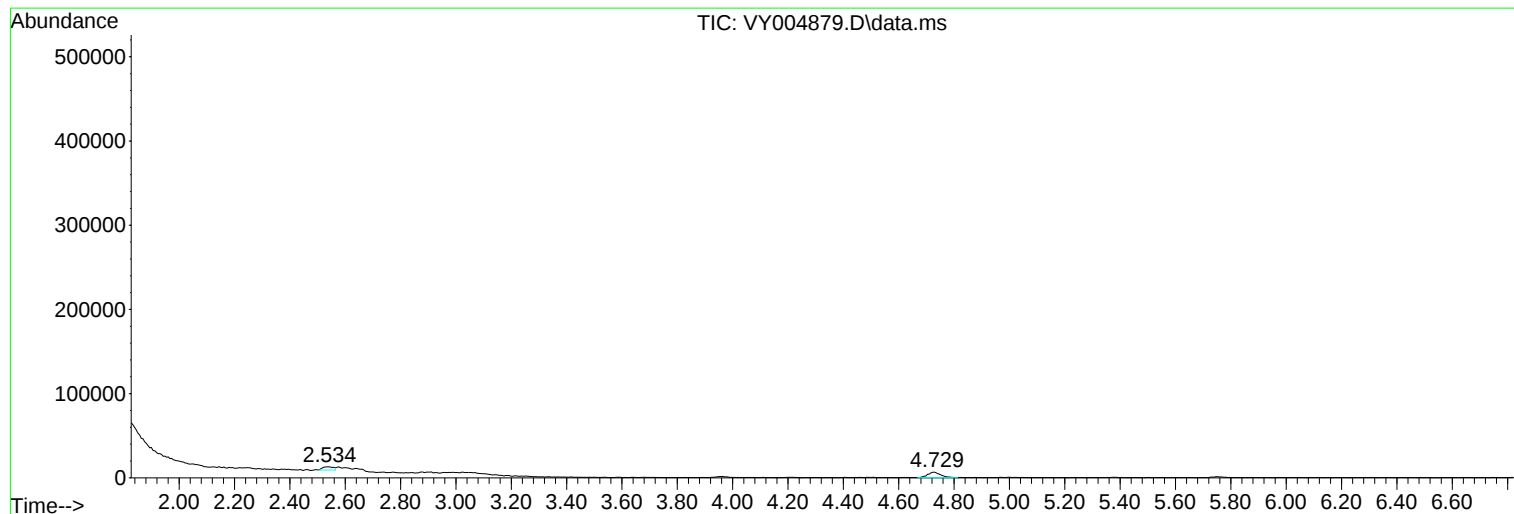
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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY052621\  
Data File : VY004879.D  
Acq On : 26 May 2021 12:21  
Operator : SY/MD  
Sample : M2521-01  
Misc : 2.27G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
HR-01-052521

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y051021S.M  
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY052621\  
Data File : VY004879.D  
Acq On : 26 May 2021 12:21  
Operator : SY/MD  
Sample : M2521-01  
Misc : 2.27G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
HR-01-052521

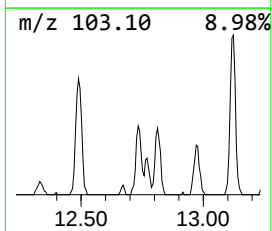
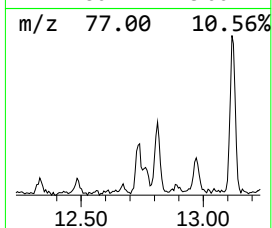
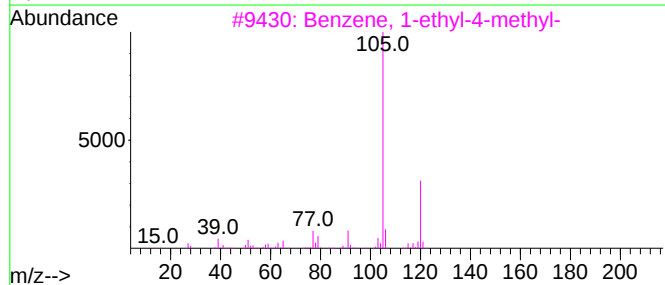
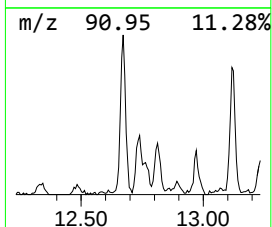
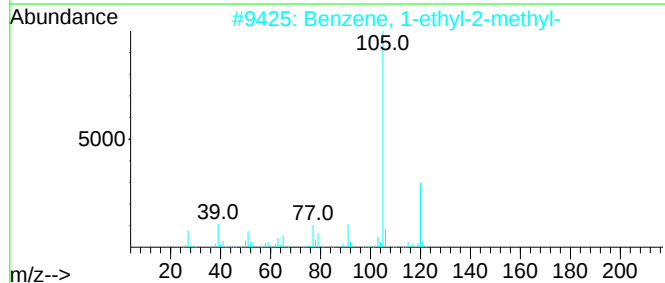
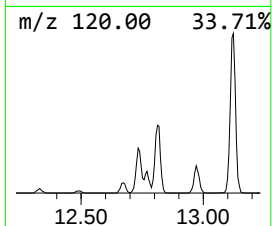
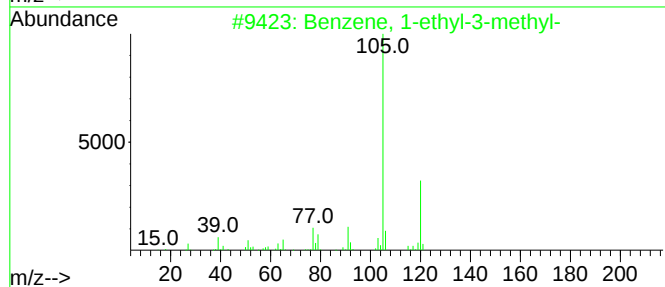
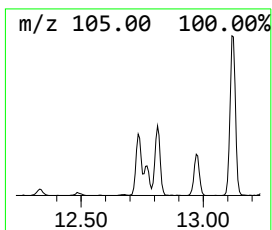
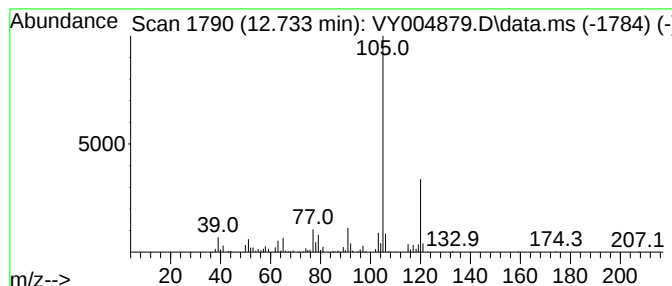
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y051021S.M  
Quant Title : SW846 8260

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

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Peak Number 1 Benzene, 1-ethyl-3-methyl- Concentration Rank 4

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 12.733 | 9.72 ug/l | 87274 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 97   |
| 2    |    |   | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 95   |
| 3    |    |   | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 91   |
| 4    |    |   | Mesitylene                 | 120 | C9H12   | 000108-67-8 | 91   |
| 5    |    |   | Benzene, 1,2,4-trimethyl-  | 120 | C9H12   | 000095-63-6 | 91   |



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Sample : M2521-01  
Misc : 2.27G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
HR-01-052521

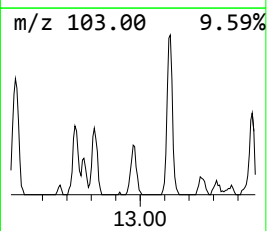
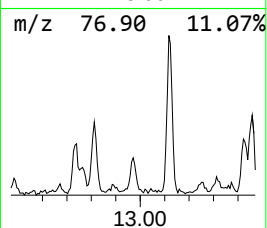
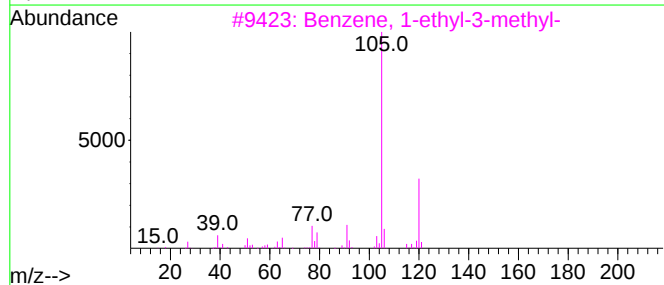
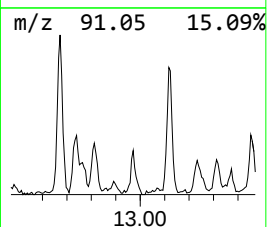
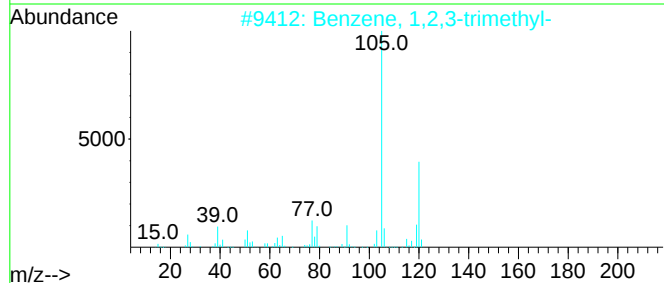
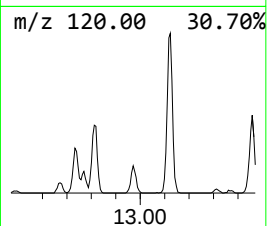
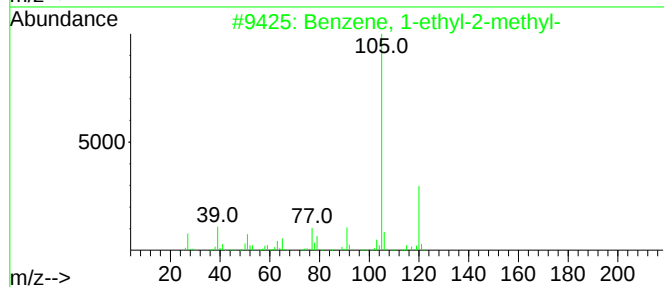
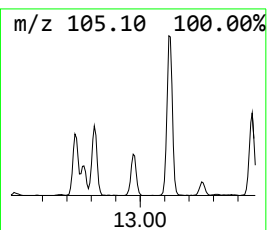
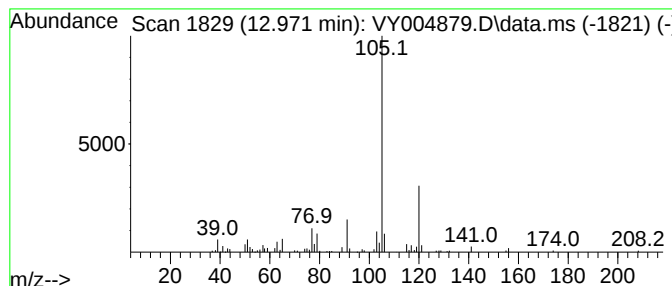
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y051021S.M  
Quant Title : SW846 8260

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

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Peak Number 2 Benzene, 1-ethyl-2-methyl- Concentration Rank 7

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 12.971 | 7.68 ug/l | 68924 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 93   |
| 2    |    |   | Benzene, 1,2,3-trimethyl-  | 120 | C9H12   | 000526-73-8 | 91   |
| 3    |    |   | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 90   |
| 4    |    |   | Benzene, 1,2,4-trimethyl-  | 120 | C9H12   | 000095-63-6 | 90   |
| 5    |    |   | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 90   |



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Misc : 2.27G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
HR-01-052521

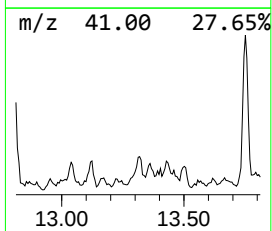
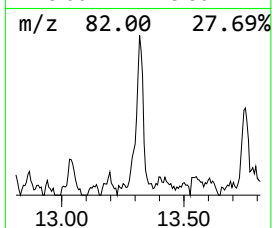
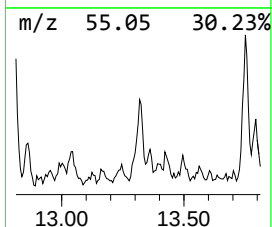
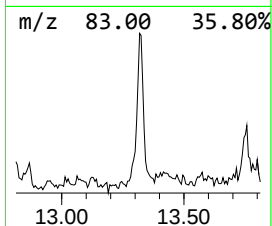
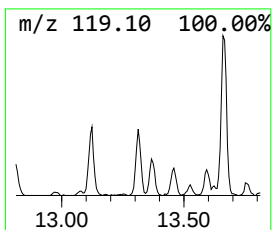
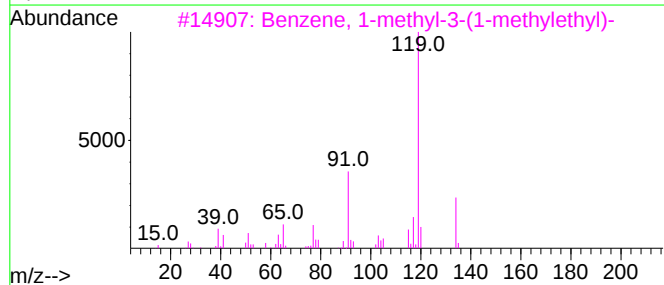
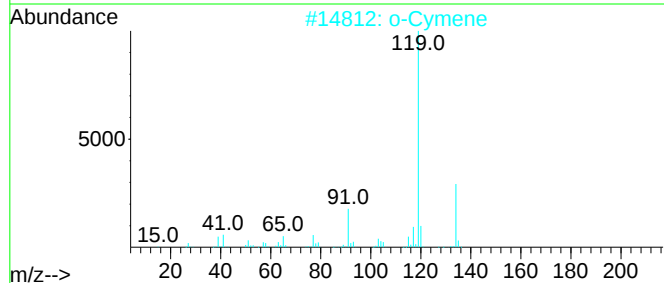
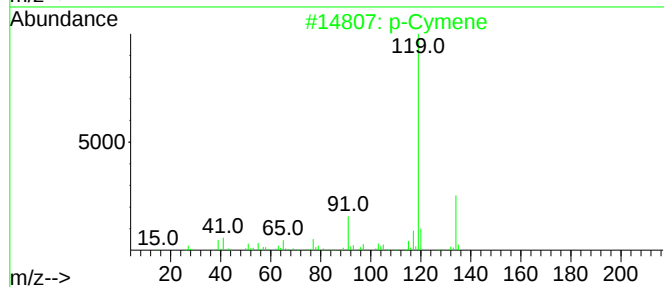
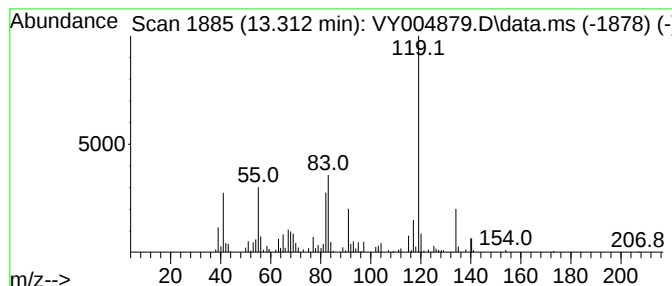
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y051021S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 3 o-Cymene Concentration Rank 10

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 13.312 | 6.23 ug/l | 55979 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | p-Cymene                            | 134 | C10H14  | 000099-87-6 | 70   |
| 2    |    |   | o-Cymene                            | 134 | C10H14  | 000527-84-4 | 64   |
| 3    |    |   | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14  | 000535-77-3 | 64   |
| 4    |    |   | 1,3,8-p-Menthatriene                | 134 | C10H14  | 018368-95-1 | 64   |
| 5    |    |   | Benzene, 1-ethyl-2,3-dimethyl-      | 134 | C10H14  | 000933-98-2 | 58   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY052621\  
Data File : VY004879.D  
Acq On : 26 May 2021 12:21  
Operator : SY/MD  
Sample : M2521-01  
Misc : 2.27G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
HR-01-052521

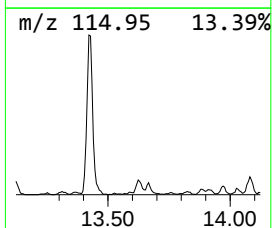
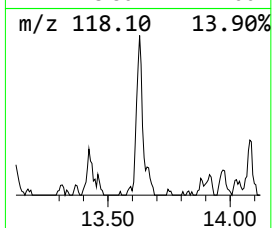
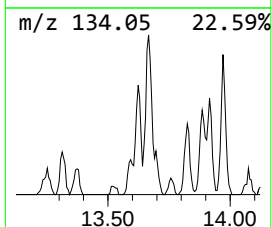
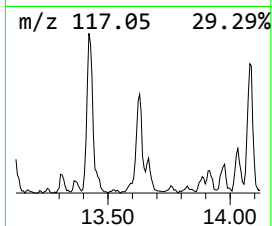
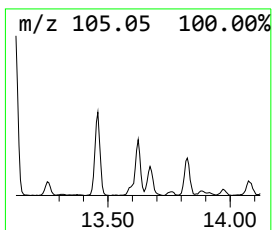
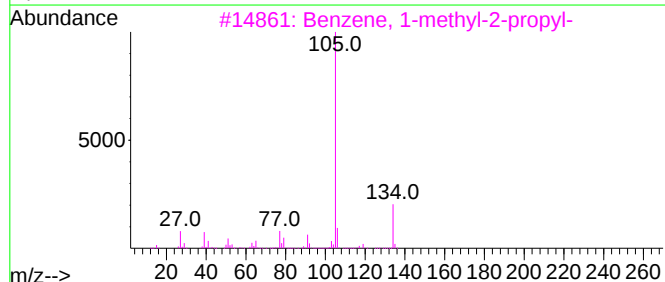
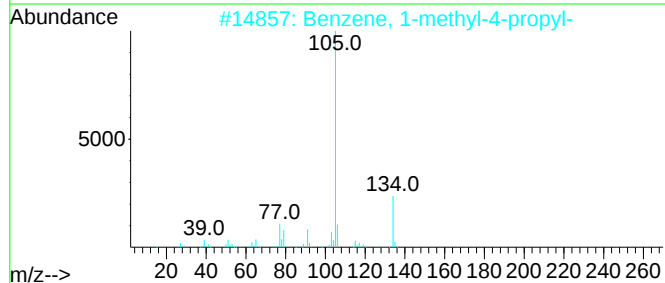
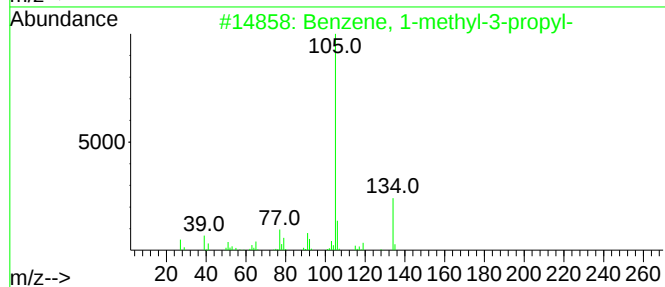
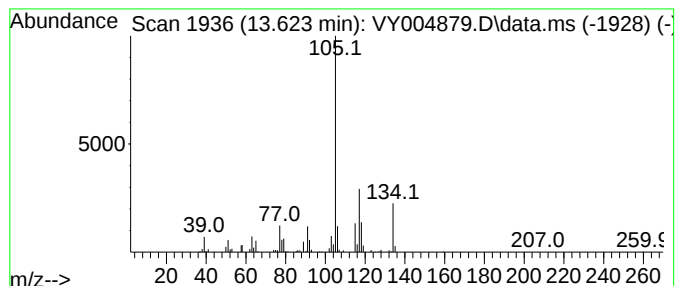
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 4 Benzene, 1-methyl-3-propyl- Concentration Rank 6

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 13.623 | 8.58 ug/l | 77075 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-methyl-3-propyl- | 134 | C10H14  | 001074-43-7 | 60   |
| 2    |    |   | Benzene, 1-methyl-4-propyl- | 134 | C10H14  | 001074-55-1 | 60   |
| 3    |    |   | Benzene, 1-methyl-2-propyl- | 134 | C10H14  | 001074-17-5 | 55   |
| 4    |    |   | Benzene, (1-methylpropyl)-  | 134 | C10H14  | 000135-98-8 | 53   |
| 5    |    |   | Benzene, 1,2-diethyl-       | 134 | C10H14  | 000135-01-3 | 49   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY052621\  
Data File : VY004879.D  
Acq On : 26 May 2021 12:21  
Operator : SY/MD  
Sample : M2521-01  
Misc : 2.27G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
HR-01-052521

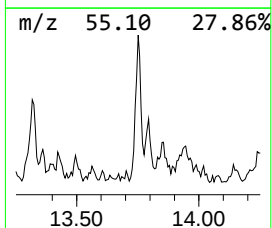
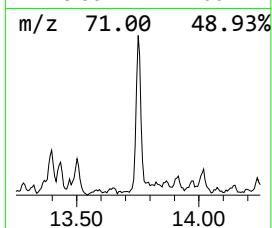
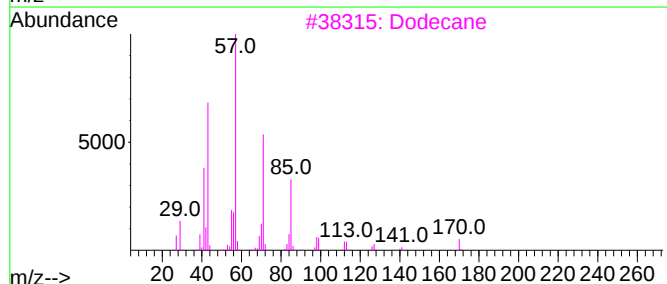
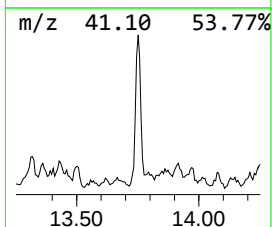
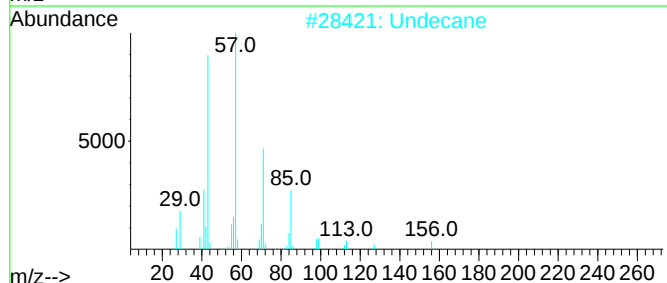
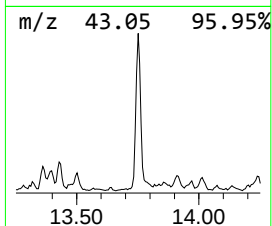
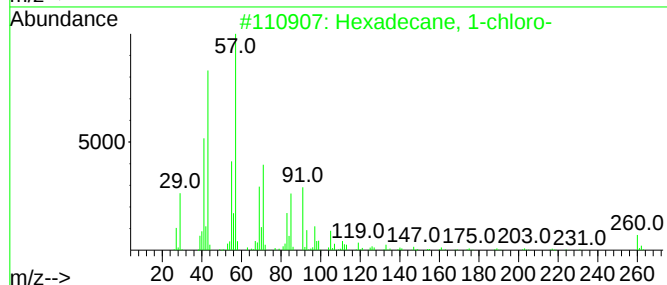
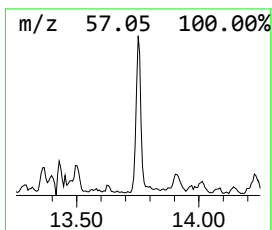
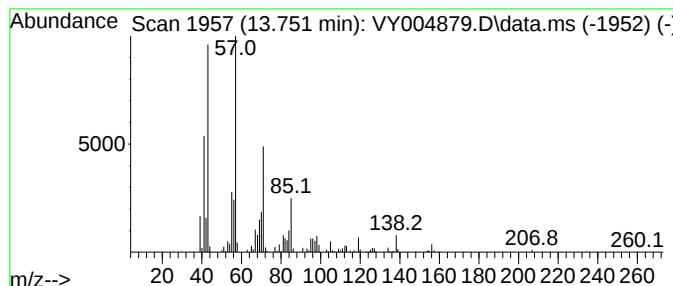
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 5 Hexadecane, 1-chloro- Concentration Rank 1

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 13.751 | 16.98 ug/l | 152470 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------|-----|----------|-------------|------|
| 1    |    |   | Hexadecane, 1-chloro-   | 260 | C16H33Cl | 004860-03-1 | 86   |
| 2    |    |   | Undecane                | 156 | C11H24   | 001120-21-4 | 81   |
| 3    |    |   | Dodecane                | 170 | C12H26   | 000112-40-3 | 64   |
| 4    |    |   | Tridecane               | 184 | C13H28   | 000629-50-5 | 59   |
| 5    |    |   | Undecane, 2,3-dimethyl- | 184 | C13H28   | 017312-77-5 | 53   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY052621\  
Data File : VY004879.D  
Acq On : 26 May 2021 12:21  
Operator : SY/MD  
Sample : M2521-01  
Misc : 2.27G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
HR-01-052521

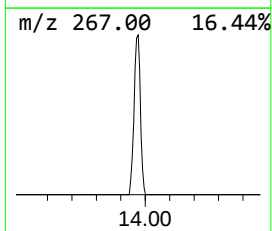
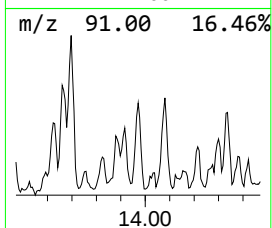
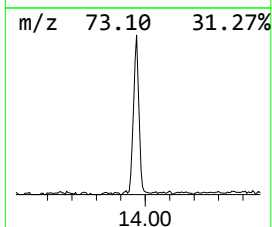
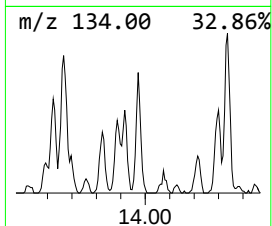
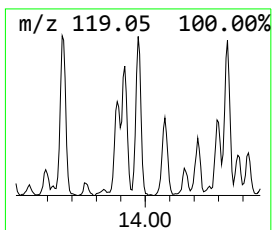
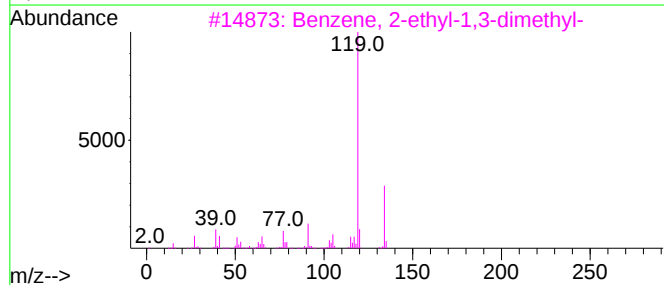
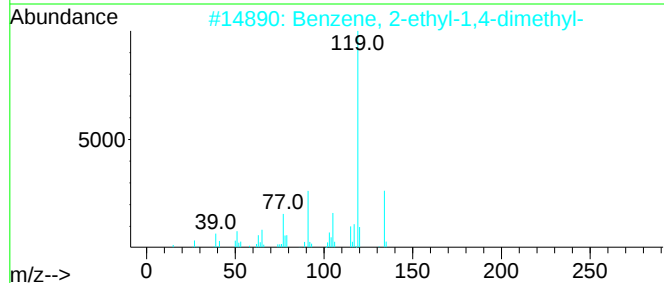
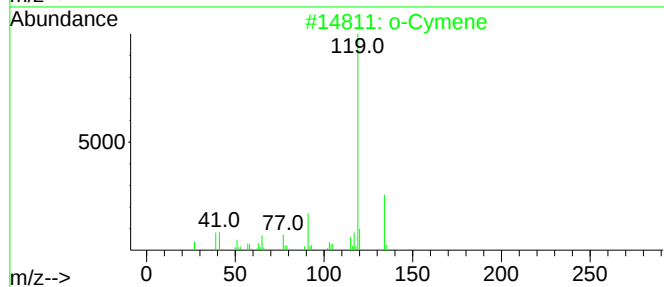
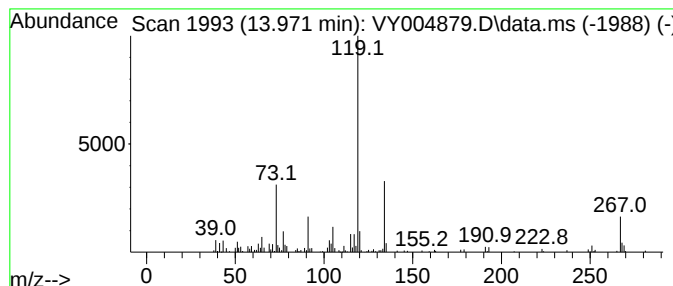
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 6 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 3

| R.T.   | EstConc    | Area  | Relative to ISTD       | R.T.   |
|--------|------------|-------|------------------------|--------|
| 13.971 | 10.21 ug/l | 91642 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------|-----|---------|-------------|------|
| 1    |    |   | o-Cymene                       | 134 | C10H14  | 000527-84-4 | 95   |
| 2    |    |   | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14  | 001758-88-9 | 95   |
| 3    |    |   | Benzene, 2-ethyl-1,3-dimethyl- | 134 | C10H14  | 002870-04-4 | 94   |
| 4    |    |   | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14  | 000933-98-2 | 93   |
| 5    |    |   | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14  | 000934-80-5 | 93   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY052621\  
Data File : VY004879.D  
Acq On : 26 May 2021 12:21  
Operator : SY/MD  
Sample : M2521-01  
Misc : 2.27G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
HR-01-052521

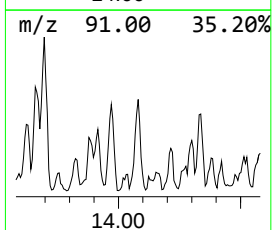
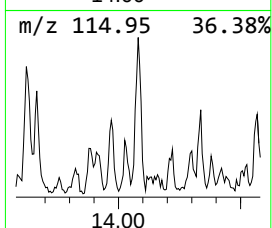
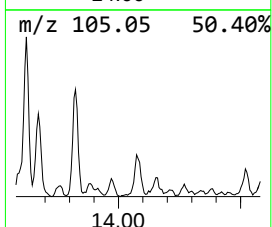
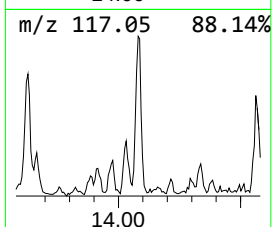
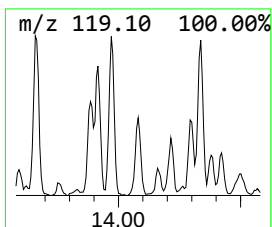
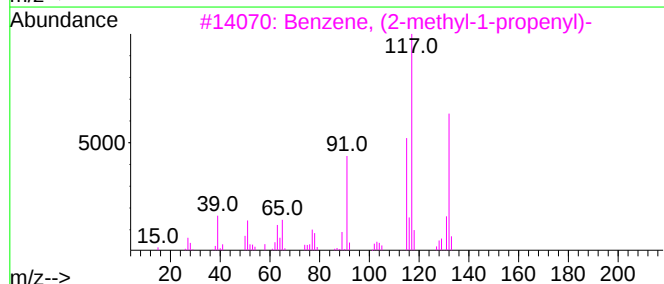
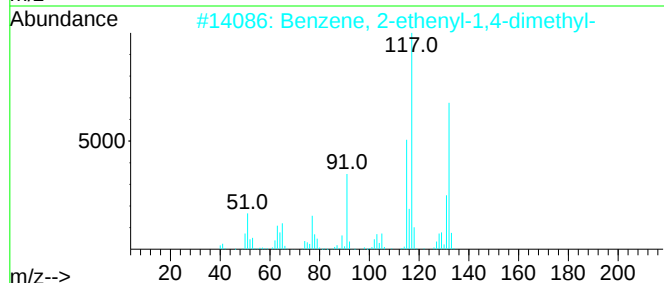
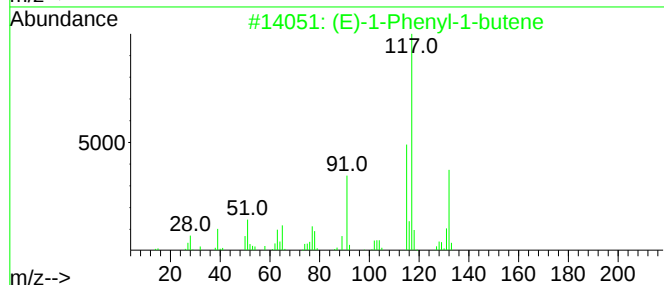
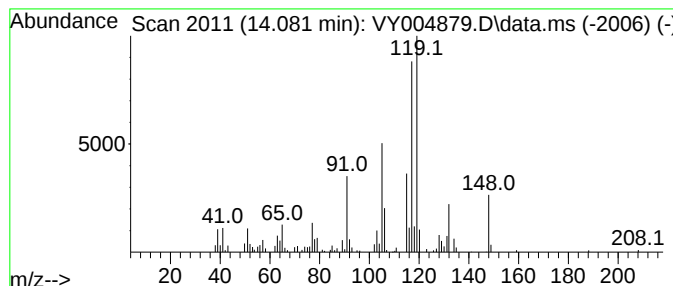
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y051021S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 7 (E)-1-Phenyl-1-butene Concentration Rank 8

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 14.081 | 7.56 ug/l | 67856 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | (E)-1-Phenyl-1-butene               | 132 | C10H12  | 001005-64-7 | 90   |
| 2    |    |   | Benzene, 2-ethenyl-1,4-dimethyl-    | 132 | C10H12  | 002039-89-6 | 87   |
| 3    |    |   | Benzene, (2-methyl-1-propenyl)-     | 132 | C10H12  | 000768-49-0 | 50   |
| 4    |    |   | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12  | 000768-00-3 | 50   |
| 5    |    |   | Benzene, 2-butenyl-                 | 132 | C10H12  | 001560-06-1 | 50   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY052621\  
Data File : VY004879.D  
Acq On : 26 May 2021 12:21  
Operator : SY/MD  
Sample : M2521-01  
Misc : 2.27G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
HR-01-052521

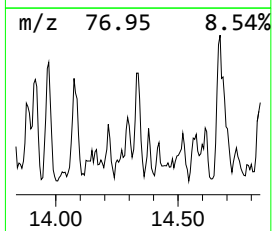
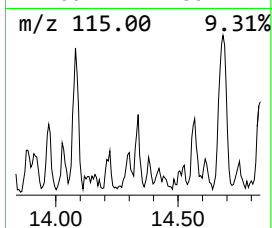
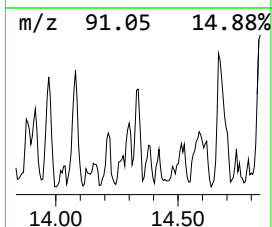
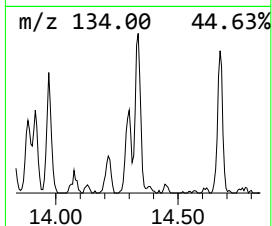
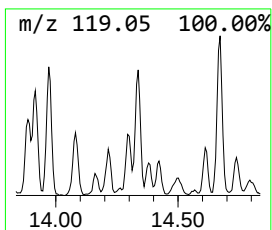
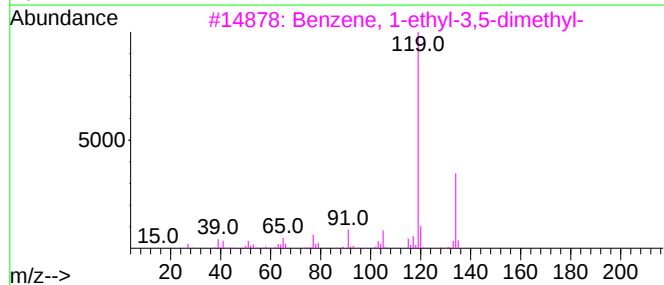
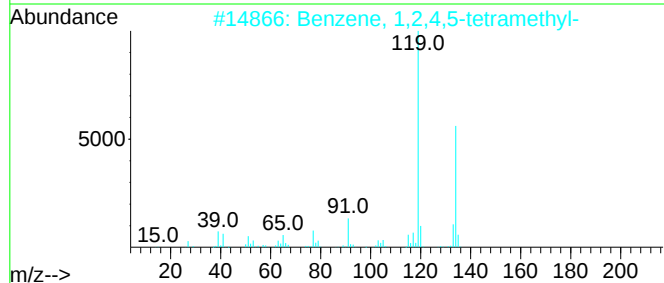
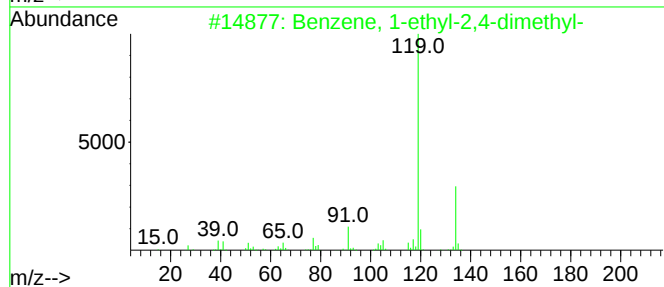
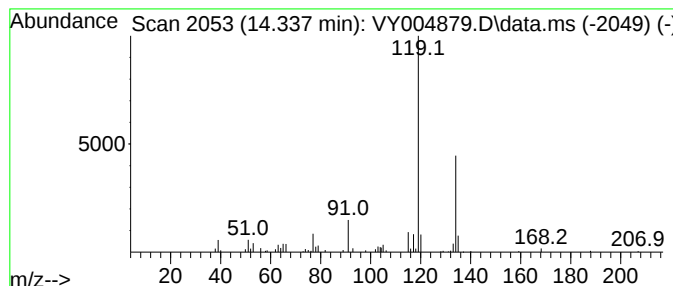
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 8 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 9

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 14.337 | 6.63 ug/l | 59520 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-ethyl-2,4-dimethyl- | 134 | C10H14  | 000874-41-9 | 94   |
| 2    |    |   | Benzene, 1,2,4,5-tetramethyl-  | 134 | C10H14  | 000095-93-2 | 91   |
| 3    |    |   | Benzene, 1-ethyl-3,5-dimethyl- | 134 | C10H14  | 000934-74-7 | 91   |
| 4    |    |   | Benzene, 1,2,3,4-tetramethyl-  | 134 | C10H14  | 000488-23-3 | 91   |
| 5    |    |   | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14  | 001758-88-9 | 91   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY052621\  
Data File : VY004879.D  
Acq On : 26 May 2021 12:21  
Operator : SY/MD  
Sample : M2521-01  
Misc : 2.27G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
HR-01-052521

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y051021S.M  
Quant Title : SW846 8260

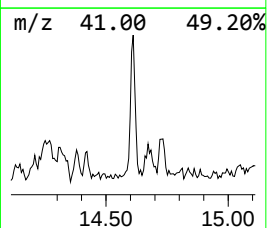
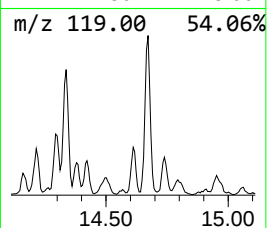
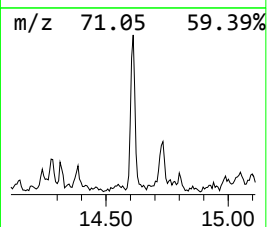
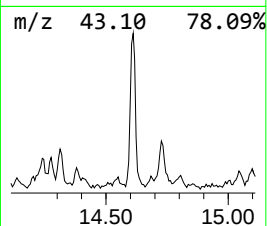
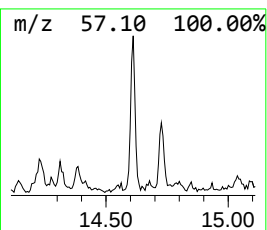
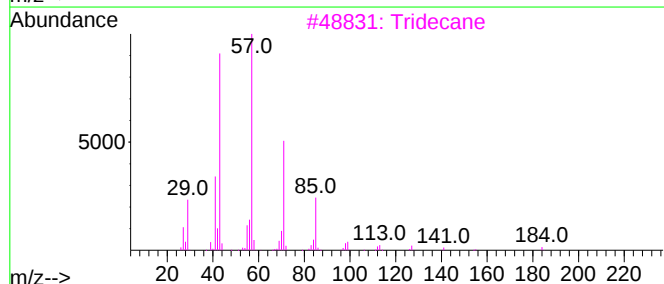
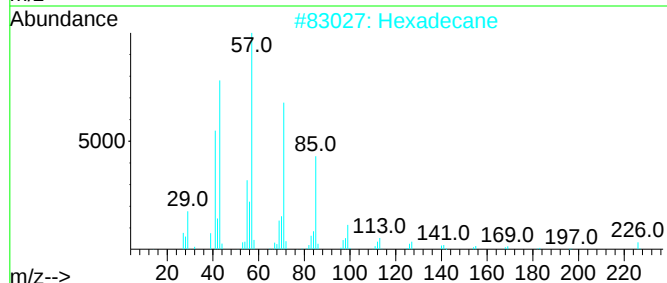
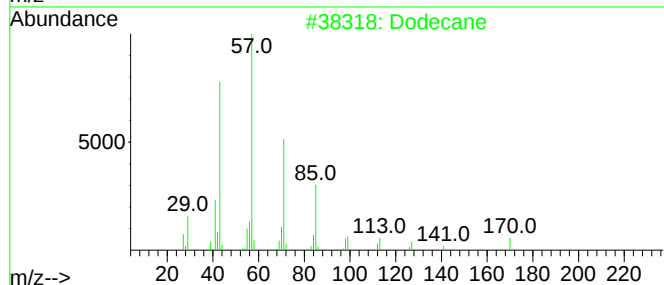
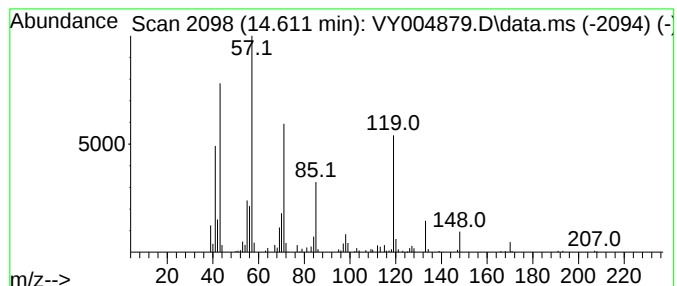
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 unknown14.611 Concentration Rank 5

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 14.611 | 9.47 ug/l | 85033 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------|-----|---------|-------------|------|
| 1    |    |   | Dodecane              | 170 | C12H26  | 000112-40-3 | 49   |
| 2    |    |   | Hexadecane            | 226 | C16H34  | 000544-76-3 | 46   |
| 3    |    |   | Tridecane             | 184 | C13H28  | 000629-50-5 | 43   |
| 4    |    |   | Tetradecane           | 198 | C14H30  | 000629-59-4 | 43   |
| 5    |    |   | Decane, 3,7-dimethyl- | 170 | C12H26  | 017312-54-8 | 38   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY052621\  
Data File : VY004879.D  
Acq On : 26 May 2021 12:21  
Operator : SY/MD  
Sample : M2521-01  
Misc : 2.27G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
HR-01-052521

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y051021S.M  
Quant Title : SW846 8260

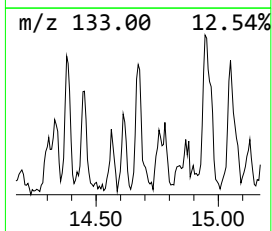
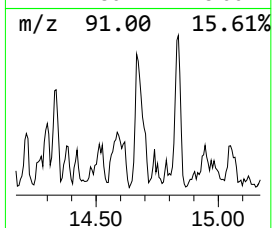
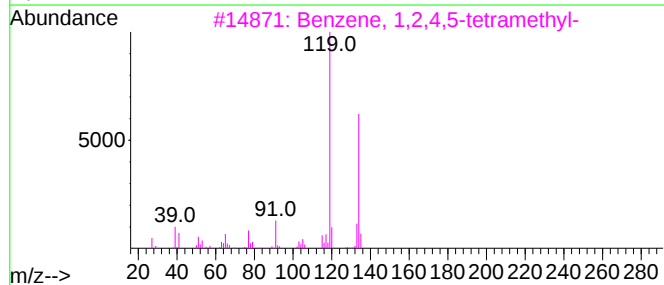
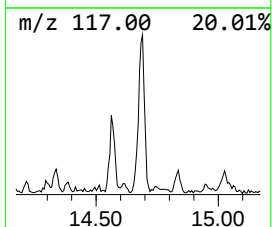
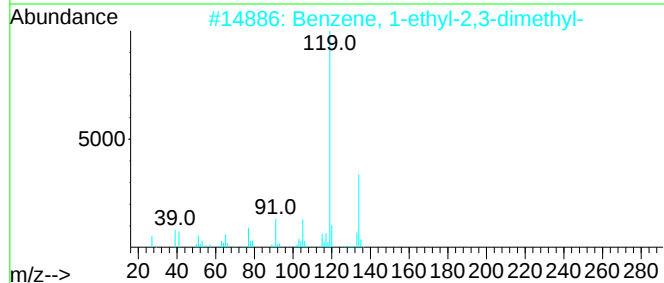
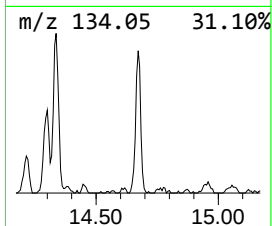
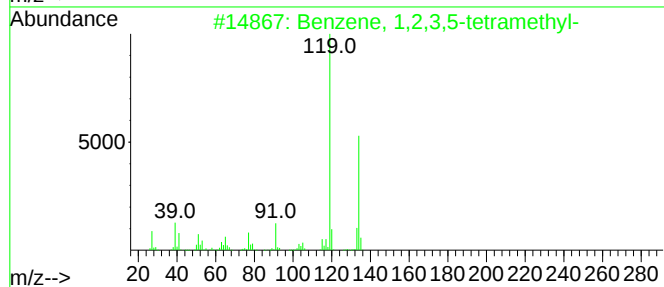
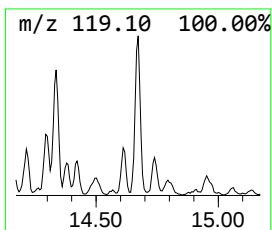
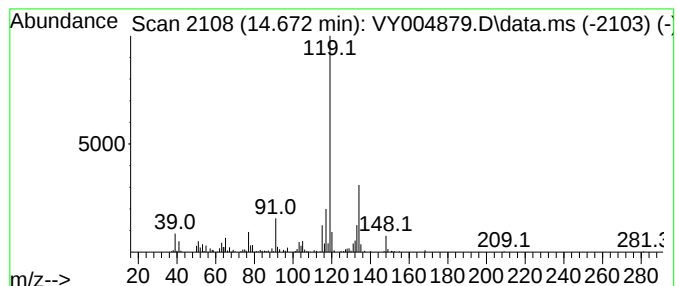
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 2

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 14.672 | 15.24 ug/l | 136823 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1,2,3,5-tetramethyl-       | 134 | C10H14  | 000527-53-7 | 81   |
| 2    |    |   | Benzene, 1-ethyl-2,3-dimethyl-      | 134 | C10H14  | 000933-98-2 | 81   |
| 3    |    |   | Benzene, 1,2,4,5-tetramethyl-       | 134 | C10H14  | 000095-93-2 | 81   |
| 4    |    |   | Benzene, 1,2,3,4-tetramethyl-       | 134 | C10H14  | 000488-23-3 | 81   |
| 5    |    |   | 1,3-Cyclopentadiene, 1,2,3,4-tet... | 134 | C10H14  | 076089-59-3 | 81   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY052621\  
Data File : VY004879.D  
Acq On : 26 May 2021 12:21  
Operator : SY/MD  
Sample : M2521-01  
Misc : 2.27G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
HR-01-052521

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y051021S.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 |
| Benzene, 1-ethy... | 12.733 | 9.7     | ug/l  | 87274    | 4                     | 13.428 | 448990 | 50.0 |
| Benzene, 1-ethy... | 12.971 | 7.7     | ug/l  | 68924    | 4                     | 13.428 | 448990 | 50.0 |
| o-Cymene           | 13.312 | 6.2     | ug/l  | 55979    | 4                     | 13.428 | 448990 | 50.0 |
| Benzene, 1-meth... | 13.623 | 8.6     | ug/l  | 77075    | 4                     | 13.428 | 448990 | 50.0 |
| Hexadecane, 1-c... | 13.751 | 17.0    | ug/l  | 152470   | 4                     | 13.428 | 448990 | 50.0 |
| Benzene, 2-ethy... | 13.971 | 10.2    | ug/l  | 91642    | 4                     | 13.428 | 448990 | 50.0 |
| (E)-1-Phenyl-1-... | 14.081 | 7.6     | ug/l  | 67856    | 4                     | 13.428 | 448990 | 50.0 |
| Benzene, 1-ethy... | 14.337 | 6.6     | ug/l  | 59520    | 4                     | 13.428 | 448990 | 50.0 |
| unknown14.611      | 14.611 | 9.5     | ug/l  | 85033    | 4                     | 13.428 | 448990 | 50.0 |
| Benzene, 1,2,3,... | 14.672 | 15.2    | ug/l  | 136823   | 4                     | 13.428 | 448990 | 50.0 |