

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042722\  
 Data File : VY008529.D  
 Acq On : 27 Apr 2022 15:58  
 Operator : KP/MD  
 Sample : N2577-07  
 Misc : 8.33g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 GT-04-(25-30)

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\82Y042122S.M  
 Title : SW846 8260

Signal : TIC: VY008529.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         | 7.789       | 973           | 979         | 987          | rVB2     | 249226         | 565282        | 1.96%           | 0.170%        |
| 2         | 8.417       | 1076          | 1082        | 1097         | rVB      | 182991         | 418843        | 1.45%           | 0.126%        |
| 3         | 8.691       | 1118          | 1127        | 1138         | rBV      | 267217         | 522346        | 1.81%           | 0.157%        |
| 4         | 9.185       | 1194          | 1208        | 1214         | rBV      | 2226460        | 5024759       | 17.43%          | 1.513%        |
| 5         | 9.246       | 1214          | 1218        | 1226         | rVB      | 346968         | 635860        | 2.21%           | 0.191%        |
| 6         | 9.465       | 1244          | 1254        | 1263         | rVB2     | 332554         | 908437        | 3.15%           | 0.273%        |
| 7         | 9.612       | 1265          | 1278        | 1287         | rBV2     | 434994         | 880531        | 3.05%           | 0.265%        |
| 8         | 9.758       | 1289          | 1302        | 1307         | rBV      | 407403         | 825702        | 2.86%           | 0.249%        |
| 9         | 9.941       | 1324          | 1332        | 1336         | rBV      | 402881         | 791127        | 2.74%           | 0.238%        |
| 10        | 9.990       | 1336          | 1340        | 1348         | rVB      | 386354         | 696081        | 2.41%           | 0.210%        |
| 11        | 10.099      | 1348          | 1358        | 1364         | rBV3     | 122269         | 392470        | 1.36%           | 0.118%        |
| 12        | 10.179      | 1364          | 1371        | 1375         | rVV2     | 2728504        | 5132418       | 17.80%          | 1.545%        |
| 13        | 10.215      | 1375          | 1377        | 1385         | rVB      | 1081966        | 1547908       | 5.37%           | 0.466%        |
| 14        | 10.307      | 1385          | 1392        | 1394         | rBV      | 298700         | 486553        | 1.69%           | 0.146%        |
| 15        | 10.349      | 1394          | 1399        | 1410         | rVB2     | 864553         | 2362218       | 8.19%           | 0.711%        |
| 16        | 10.483      | 1410          | 1421        | 1422         | rBV2     | 250744         | 516876        | 1.79%           | 0.156%        |
| 17        | 10.520      | 1422          | 1427        | 1436         | rVB      | 1747963        | 3209098       | 11.13%          | 0.966%        |
| 18        | 10.618      | 1436          | 1443        | 1448         | rBV      | 904776         | 1827467       | 6.34%           | 0.550%        |
| 19        | 10.666      | 1448          | 1451        | 1455         | rVV2     | 245387         | 406855        | 1.41%           | 0.122%        |
| 20        | 10.715      | 1455          | 1459        | 1463         | rVB      | 303589         | 470352        | 1.63%           | 0.142%        |
| 21        | 10.807      | 1468          | 1474        | 1479         | rVB      | 1254316        | 2054937       | 7.13%           | 0.619%        |
| 22        | 10.904      | 1484          | 1490        | 1497         | rVV      | 846904         | 2052934       | 7.12%           | 0.618%        |
| 23        | 10.971      | 1497          | 1501        | 1504         | rVV3     | 596300         | 1112855       | 3.86%           | 0.335%        |
| 24        | 11.038      | 1504          | 1512        | 1516         | rVV      | 3609672        | 6859258       | 23.80%          | 2.065%        |
| 25        | 11.093      | 1516          | 1521        | 1527         | rVV      | 4425967        | 7921880       | 27.48%          | 2.385%        |
| 26        | 11.148      | 1527          | 1530        | 1534         | rVV      | 743625         | 1241452       | 4.31%           | 0.374%        |
| 27        | 11.197      | 1534          | 1538        | 1543         | rVV4     | 872170         | 1855795       | 6.44%           | 0.559%        |
| 28        | 11.252      | 1543          | 1547        | 1550         | rVV      | 541913         | 944044        | 3.27%           | 0.284%        |
| 29        | 11.300      | 1550          | 1555        | 1564         | rVB      | 1745075        | 3091098       | 10.72%          | 0.931%        |
| 30        | 11.422      | 1570          | 1575        | 1581         | rBV3     | 238464         | 487443        | 1.69%           | 0.147%        |
| 31        | 11.489      | 1581          | 1586        | 1590         | rBV      | 370191         | 601070        | 2.09%           | 0.181%        |
| 32        | 11.581      | 1596          | 1601        | 1605         | rBV      | 625667         | 1050897       | 3.65%           | 0.316%        |
| 33        | 11.630      | 1605          | 1609        | 1612         | rBV      | 843832         | 1159115       | 4.02%           | 0.349%        |
| 34        | 11.678      | 1612          | 1617        | 1622         | rBV4     | 997979         | 1842953       | 6.39%           | 0.555%        |
| 35        | 11.739      | 1622          | 1627        | 1631         | rBV      | 2856078        | 5080925       | 17.63%          | 1.530%        |
| 36        | 11.782      | 1631          | 1634        | 1639         | rVB      | 1983478        | 3157755       | 10.95%          | 0.951%        |

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 GT-04-(25-30)

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Integrator: RTE

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Filtering: 5

Sampling : 1

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Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042122S.M  
 Title : SW846 8260

|    |        |      |      |      |      |          |          |        |        |
|----|--------|------|------|------|------|----------|----------|--------|--------|
| 37 | 11.843 | 1639 | 1644 | 1648 | rBV3 | 385463   | 699404   | 2.43%  | 0.211% |
| 38 | 11.898 | 1648 | 1653 | 1657 | rBV  | 485393   | 730953   | 2.54%  | 0.220% |
| 39 | 12.002 | 1663 | 1670 | 1677 | rBV3 | 2585724  | 6341913  | 22.00% | 1.909% |
| 40 | 12.123 | 1687 | 1690 | 1694 | rVB  | 939075   | 1210123  | 4.20%  | 0.364% |
| 41 | 12.166 | 1694 | 1697 | 1699 | rBV2 | 838283   | 1159777  | 4.02%  | 0.349% |
| 42 | 12.209 | 1699 | 1704 | 1707 | rBV  | 2639913  | 4062333  | 14.09% | 1.223% |
| 43 | 12.251 | 1707 | 1711 | 1719 | rVB3 | 2983199  | 5071829  | 17.59% | 1.527% |
| 44 | 12.331 | 1720 | 1724 | 1729 | rVB  | 1922005  | 2934866  | 10.18% | 0.883% |
| 45 | 12.379 | 1729 | 1732 | 1737 | rVB4 | 564303   | 1001789  | 3.48%  | 0.302% |
| 46 | 12.428 | 1737 | 1740 | 1744 | rVB  | 523583   | 782328   | 2.71%  | 0.236% |
| 47 | 12.489 | 1744 | 1750 | 1755 | rBV4 | 1270107  | 2281918  | 7.92%  | 0.687% |
| 48 | 12.562 | 1755 | 1762 | 1767 | rBV5 | 1169302  | 3203436  | 11.11% | 0.964% |
| 49 | 12.648 | 1768 | 1776 | 1778 | rBV2 | 3745101  | 6032162  | 20.93% | 1.816% |
| 50 | 12.733 | 1784 | 1790 | 1794 | rBV5 | 1079789  | 2384241  | 8.27%  | 0.718% |
| 51 | 12.812 | 1795 | 1803 | 1808 | rVV3 | 3491152  | 9130225  | 31.67% | 2.749% |
| 52 | 12.867 | 1808 | 1812 | 1817 | rVB3 | 1782252  | 2918810  | 10.13% | 0.879% |
| 53 | 12.953 | 1822 | 1826 | 1830 | rVV3 | 1320528  | 1869377  | 6.48%  | 0.563% |
| 54 | 12.995 | 1830 | 1833 | 1836 | rVV  | 617358   | 1031343  | 3.58%  | 0.310% |
| 55 | 13.044 | 1837 | 1841 | 1852 | rVB5 | 1279556  | 3311744  | 11.49% | 0.997% |
| 56 | 13.135 | 1852 | 1856 | 1858 | rBV2 | 686583   | 920514   | 3.19%  | 0.277% |
| 57 | 13.172 | 1858 | 1862 | 1868 | rVV4 | 917646   | 2249491  | 7.80%  | 0.677% |
| 58 | 13.257 | 1868 | 1876 | 1880 | rVV2 | 3974181  | 8190204  | 28.41% | 2.466% |
| 59 | 13.324 | 1880 | 1887 | 1898 | rVB3 | 3725291  | 8347497  | 28.96% | 2.513% |
| 60 | 13.422 | 1899 | 1903 | 1906 | rBV4 | 297829   | 532341   | 1.85%  | 0.160% |
| 61 | 13.532 | 1917 | 1921 | 1924 | rBV  | 755563   | 1177954  | 4.09%  | 0.355% |
| 62 | 13.599 | 1924 | 1932 | 1935 | rVV2 | 2637977  | 4995550  | 17.33% | 1.504% |
| 63 | 13.696 | 1942 | 1948 | 1952 | rBV2 | 1176577  | 2775067  | 9.63%  | 0.835% |
| 64 | 13.751 | 1952 | 1957 | 1962 | rVV2 | 7859782  | 13444493 | 46.64% | 4.047% |
| 65 | 13.800 | 1962 | 1965 | 1969 | rVV2 | 1201956  | 1649551  | 5.72%  | 0.497% |
| 66 | 13.861 | 1970 | 1975 | 1983 | rVB5 | 1328729  | 3190005  | 11.07% | 0.960% |
| 67 | 13.977 | 1983 | 1994 | 1999 | rBV  | 11784133 | 18299368 | 63.48% | 5.509% |
| 68 | 14.038 | 1999 | 2004 | 2006 | rBV  | 1481532  | 2014285  | 6.99%  | 0.606% |
| 69 | 14.087 | 2006 | 2012 | 2017 | rVB4 | 6681013  | 11261979 | 39.07% | 3.390% |
| 70 | 14.147 | 2017 | 2022 | 2027 | rBV6 | 1298189  | 2499497  | 8.67%  | 0.752% |
| 71 | 14.221 | 2027 | 2034 | 2037 | rBV2 | 1107500  | 2659157  | 9.22%  | 0.800% |
| 72 | 14.269 | 2037 | 2042 | 2044 | rBV3 | 4823717  | 8054712  | 27.94% | 2.425% |
| 73 | 14.300 | 2044 | 2047 | 2055 | rVB2 | 7233430  | 10714640 | 37.17% | 3.225% |
| 74 | 14.385 | 2056 | 2061 | 2064 | rBV2 | 2055795  | 3257408  | 11.30% | 0.981% |
| 75 | 14.428 | 2064 | 2068 | 2071 | rBV3 | 2428972  | 3605135  | 12.51% | 1.085% |
| 76 | 14.513 | 2078 | 2082 | 2087 | rVB3 | 1882853  | 3651970  | 12.67% | 1.099% |

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 MSVOA\_Y  
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 GT-04-(25-30)

Integration Parameters: RTEINT.P

Integrator: RTE

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Peak Location: TOP

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Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042122S.M  
 Title : SW846 8260

|     |        |      |      |      |      |          |          |         |        |
|-----|--------|------|------|------|------|----------|----------|---------|--------|
| 77  | 14.574 | 2087 | 2092 | 2096 | rBV2 | 1185240  | 2065209  | 7.16%   | 0.622% |
| 78  | 14.623 | 2096 | 2100 | 2104 | rBV3 | 1421413  | 1809185  | 6.28%   | 0.545% |
| 79  | 14.678 | 2104 | 2109 | 2116 | rVV3 | 16885508 | 28826365 | 100.00% | 8.678% |
| 80  | 14.745 | 2116 | 2120 | 2125 | rVB2 | 3240835  | 5354197  | 18.57%  | 1.612% |
| 81  | 14.806 | 2125 | 2130 | 2134 | rBV4 | 563546   | 1138988  | 3.95%   | 0.343% |
| 82  | 14.855 | 2135 | 2138 | 2140 | rBV3 | 391832   | 537051   | 1.86%   | 0.162% |
| 83  | 14.910 | 2144 | 2147 | 2149 | rVV3 | 1233424  | 1776426  | 6.16%   | 0.535% |
| 84  | 14.946 | 2149 | 2153 | 2157 | rVV2 | 3515036  | 5594223  | 19.41%  | 1.684% |
| 85  | 14.989 | 2157 | 2160 | 2166 | rVV2 | 2551176  | 4829415  | 16.75%  | 1.454% |
| 86  | 15.056 | 2166 | 2171 | 2177 | rVB2 | 4302694  | 8868026  | 30.76%  | 2.670% |
| 87  | 15.153 | 2184 | 2187 | 2191 | rVB2 | 1228773  | 1679758  | 5.83%   | 0.506% |
| 88  | 15.214 | 2191 | 2197 | 2202 | rVB3 | 1701660  | 3777696  | 13.11%  | 1.137% |
| 89  | 15.300 | 2204 | 2211 | 2215 | rBV2 | 2233507  | 4365526  | 15.14%  | 1.314% |
| 90  | 15.348 | 2215 | 2219 | 2222 | rBV  | 1360146  | 2399111  | 8.32%   | 0.722% |
| 91  | 15.531 | 2242 | 2249 | 2256 | rBV3 | 857947   | 1883483  | 6.53%   | 0.567% |
| 92  | 15.605 | 2256 | 2261 | 2267 | rVV5 | 1025848  | 2113119  | 7.33%   | 0.636% |
| 93  | 15.696 | 2271 | 2276 | 2278 | rVV3 | 1278222  | 2500126  | 8.67%   | 0.753% |
| 94  | 15.733 | 2278 | 2282 | 2291 | rVV  | 3060330  | 5500761  | 19.08%  | 1.656% |
| 95  | 15.818 | 2292 | 2296 | 2302 | rVB  | 627528   | 1105977  | 3.84%   | 0.333% |
| 96  | 15.891 | 2303 | 2308 | 2313 | rBV5 | 374074   | 740954   | 2.57%   | 0.223% |
| 97  | 16.043 | 2325 | 2333 | 2343 | rBV2 | 1683900  | 3500373  | 12.14%  | 1.054% |
| 98  | 16.232 | 2358 | 2364 | 2370 | rVV3 | 477708   | 1054409  | 3.66%   | 0.317% |
| 99  | 16.324 | 2371 | 2379 | 2389 | rVB5 | 401662   | 1410636  | 4.89%   | 0.425% |
| 100 | 16.495 | 2400 | 2407 | 2414 | rBV2 | 703800   | 1571645  | 5.45%   | 0.473% |

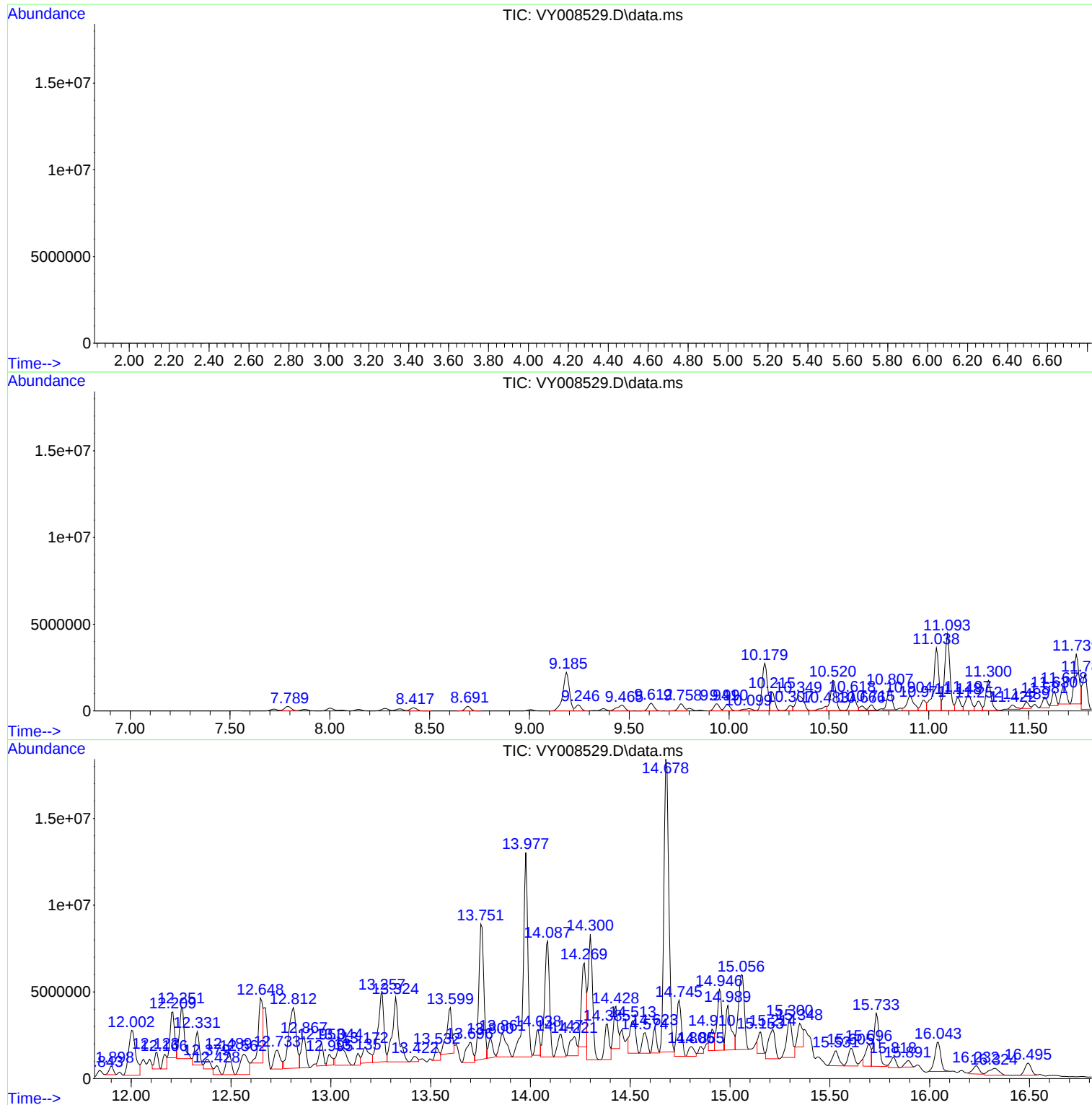
Sum of corrected areas: 332187642

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Instrument :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042122S.M  
Quant Title : SW846 8260

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



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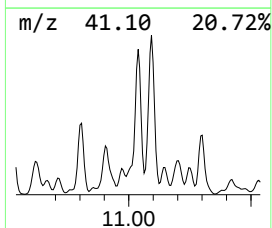
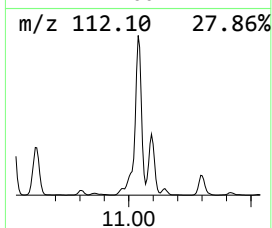
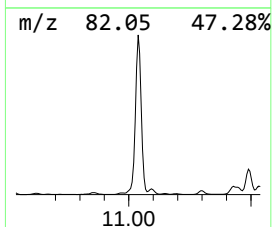
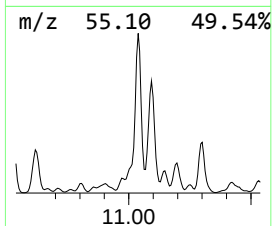
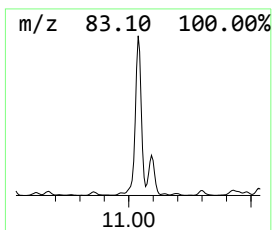
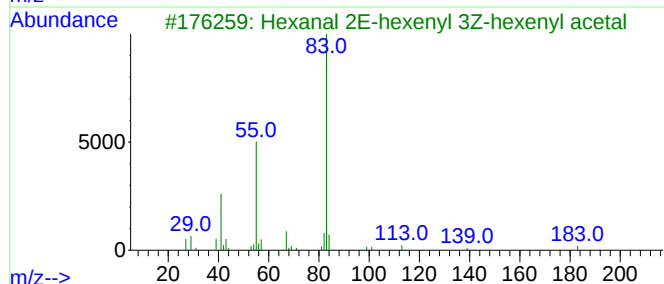
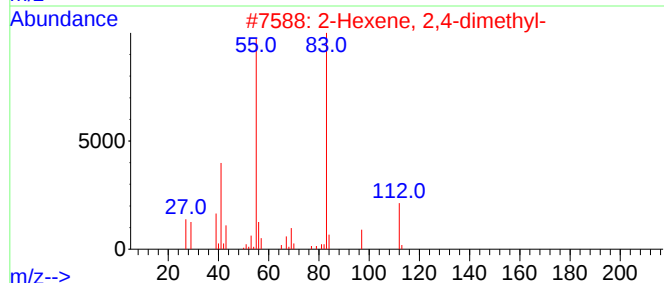
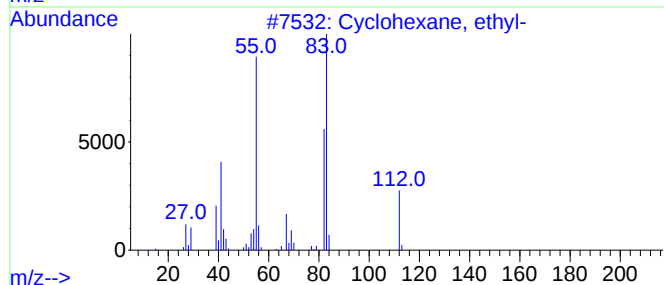
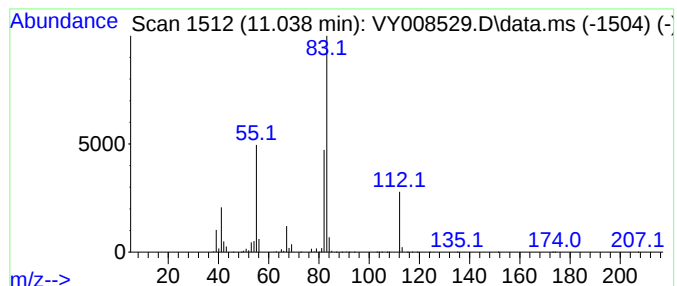
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042122S.M  
Quant Title : SW846 8260

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

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Peak Number 1 Cyclohexane, ethyl- Concentration Rank 10

| R.T.   | EstConc     | Area    | Relative to ISTD | R.T.   |
|--------|-------------|---------|------------------|--------|
| 11.038 | 570.59 ug/l | 6859260 | Chlorobenzene-d5 | 11.489 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Cyclohexane, ethyl-                 | 112 | C8H16    | 001678-91-7  | 91   |
| 2    |    |   | 2-Hexene, 2,4-dimethyl-             | 112 | C8H16    | 014255-23-3  | 53   |
| 3    |    |   | Hexanal 2E-hexenyl 3Z-hexenyl ac... | 282 | C18H34O2 | 1000431-43-4 | 53   |
| 4    |    |   | 2H-Pyran-2-carboxaldehyde, 3,4-d... | 112 | C6H8O2   | 000100-73-2  | 52   |
| 5    |    |   | Oxalic acid, cyclohexyl pentyl e... | 242 | C13H22O4 | 1000309-30-6 | 50   |



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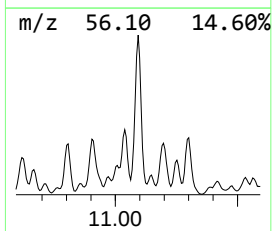
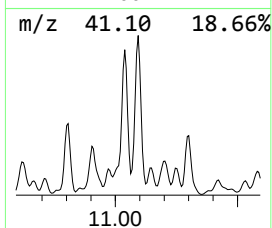
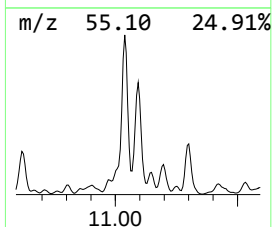
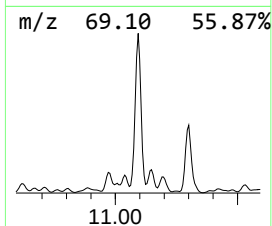
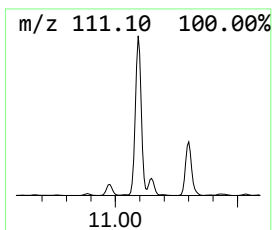
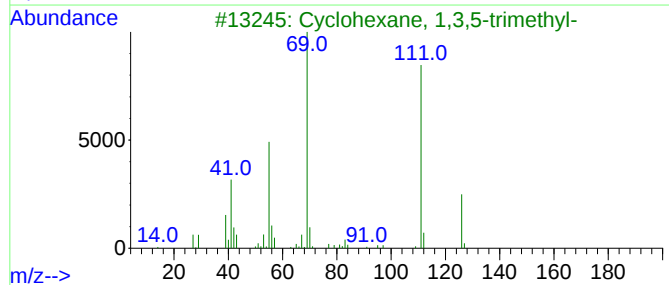
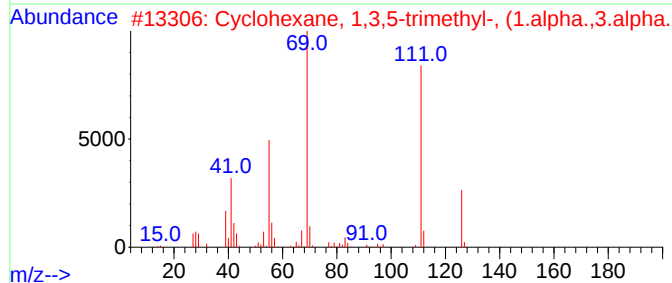
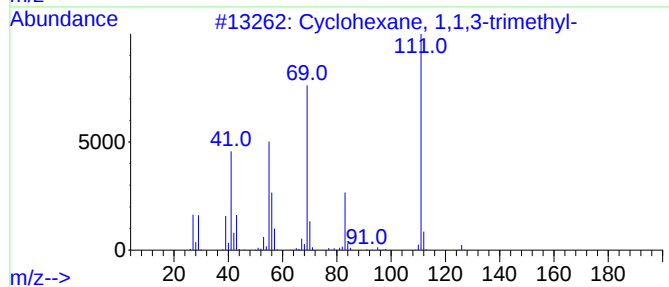
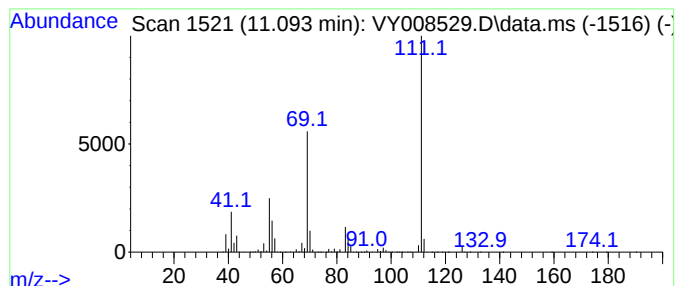
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042122S.M  
Quant Title : SW846 8260

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

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Peak Number 2 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 9

| R.T.   | EstConc     | Area    | Relative to ISTD | R.T.   |
|--------|-------------|---------|------------------|--------|
| 11.093 | 658.98 ug/l | 7921880 | Chlorobenzene-d5 | 11.489 |

| Hit# | of | 5 | Tentative ID                         | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclohexane, 1,1,3-trimethyl-        | 126 | C9H18   | 003073-66-3 | 72   |
| 2    |    |   | Cyclohexane, 1,3,5-trimethyl-, (...) | 126 | C9H18   | 001795-27-3 | 64   |
| 3    |    |   | Cyclohexane, 1,3,5-trimethyl-        | 126 | C9H18   | 001839-63-0 | 64   |
| 4    |    |   | 4-Amino-6-hydroxypyrimidine          | 111 | C4H5N3O | 001193-22-2 | 59   |
| 5    |    |   | 3-Aminopyrazine 1-oxide              | 111 | C4H5N3O | 006863-77-0 | 50   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042722\  
Data File : VY008529.D  
Acq On : 27 Apr 2022 15:58  
Operator : KP/MD  
Sample : N2577-07  
Misc : 8.33g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
GT-04-(25-30)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042122S.M  
Quant Title : SW846 8260

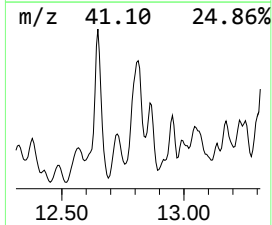
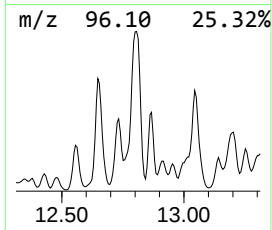
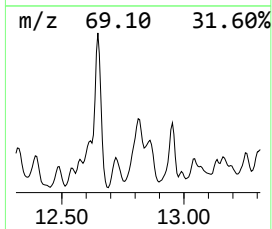
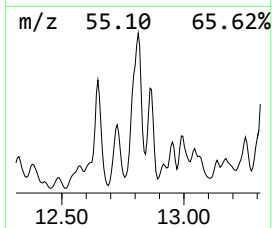
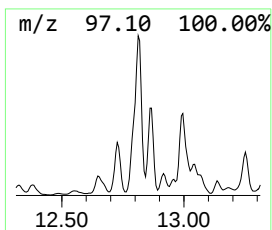
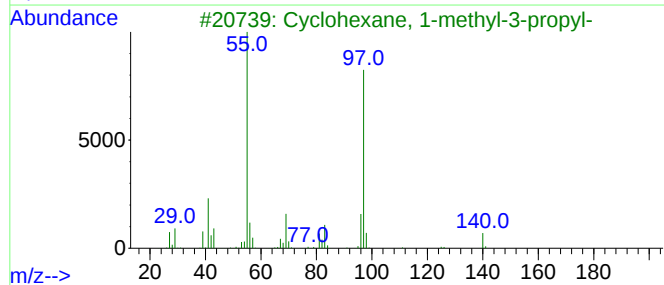
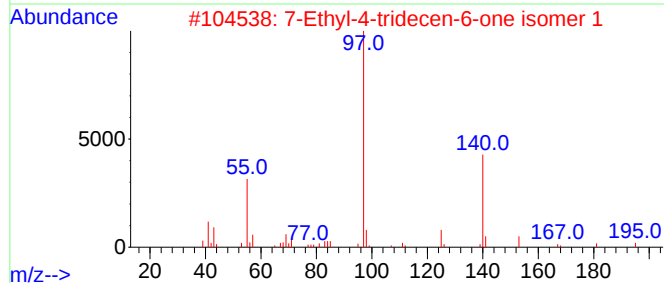
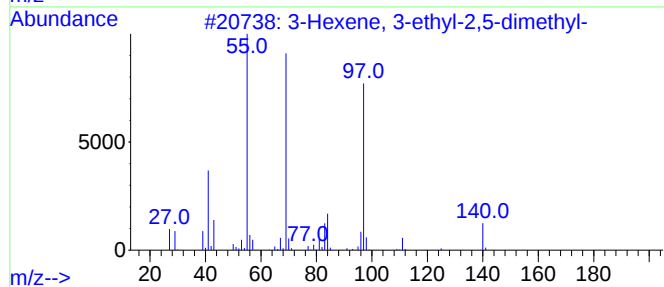
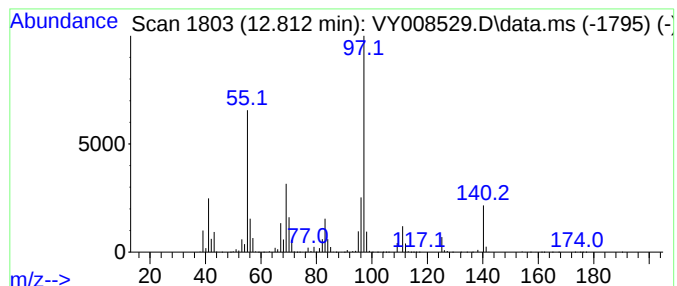
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 3-Hexene, 3-ethyl-2,5-dimet... Concentration Rank 5

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 12.812 | 857.55 ug/l | 9130230 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                      | MW  | MolForm      | CAS#         | Qual |
|------|----|---|-----------------------------------|-----|--------------|--------------|------|
| 1    |    |   | 3-Hexene, 3-ethyl-2,5-dimethyl-   | 140 | C10H20       | 062338-08-3  | 59   |
| 2    |    |   | 7-Ethyl-4-tridecen-6-one isomer 1 | 224 | C15H28O      | 1000374-07-5 | 53   |
| 3    |    |   | Cyclohexane, 1-methyl-3-propyl-   | 140 | C10H20       | 004291-80-9  | 53   |
| 4    |    |   | Semustine                         | 247 | C10H18ClN3O2 | 013909-09-6  | 53   |
| 5    |    |   | Cyclohexane, 1,1-dimethyl-        | 112 | C8H16        | 000590-66-9  | 53   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042722\  
Data File : VY008529.D  
Acq On : 27 Apr 2022 15:58  
Operator : KP/MD  
Sample : N2577-07  
Misc : 8.33g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
GT-04-(25-30)

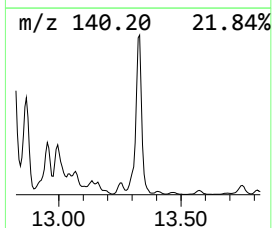
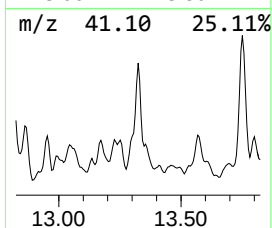
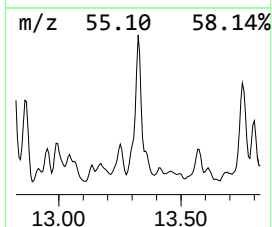
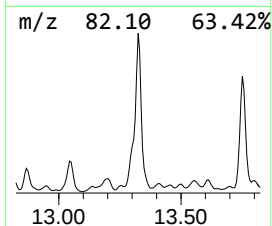
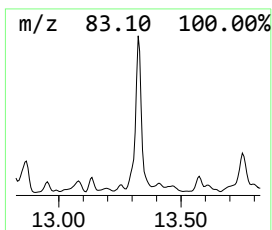
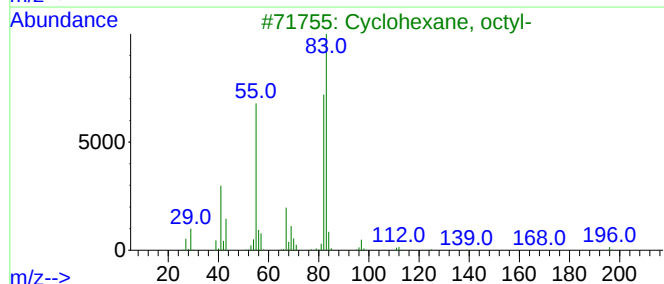
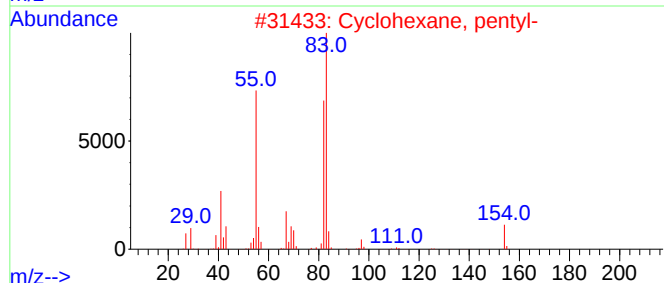
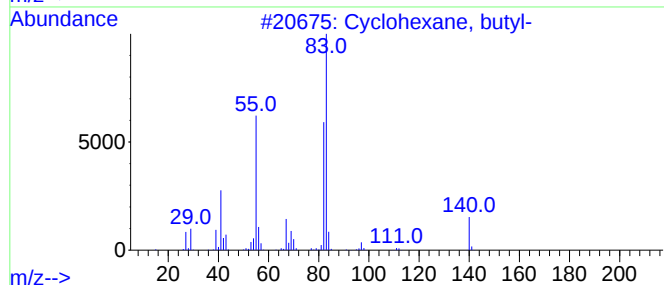
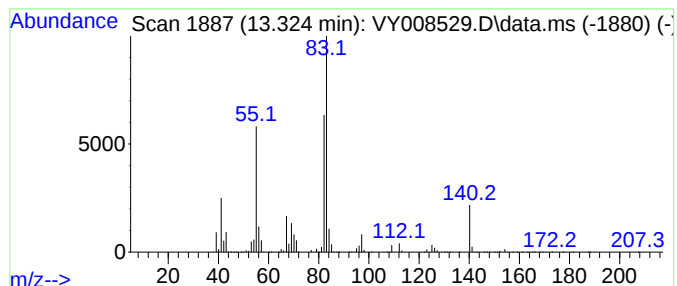
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042122S.M  
Quant Title : SW846 8260

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

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Peak Number 4 Cyclohexane, butyl- Concentration Rank 7

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 13.324 | 784.04 ug/l | 8347500 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclohexane, butyl-  | 140 | C10H20  | 001678-93-9 | 94   |
| 2    |    |   | Cyclohexane, pentyl- | 154 | C11H22  | 004292-92-6 | 87   |
| 3    |    |   | Cyclohexane, octyl-  | 196 | C14H28  | 001795-15-9 | 80   |
| 4    |    |   | Cyclohexane, propyl- | 126 | C9H18   | 001678-92-8 | 74   |
| 5    |    |   | Cyclohexane, ethyl-  | 112 | C8H16   | 001678-91-7 | 72   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042722\  
Data File : VY008529.D  
Acq On : 27 Apr 2022 15:58  
Operator : KP/MD  
Sample : N2577-07  
Misc : 8.33g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
GT-04-(25-30)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042122S.M  
Quant Title : SW846 8260

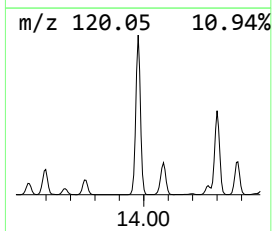
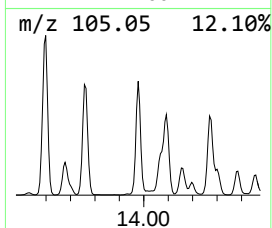
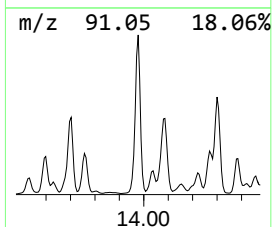
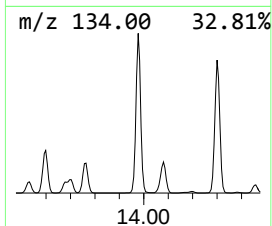
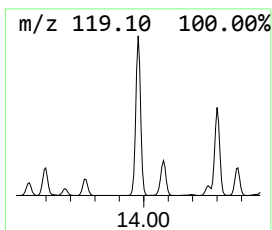
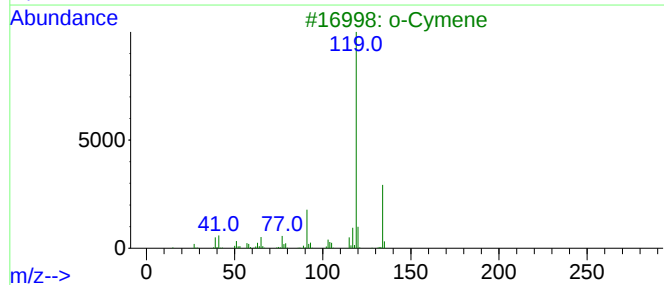
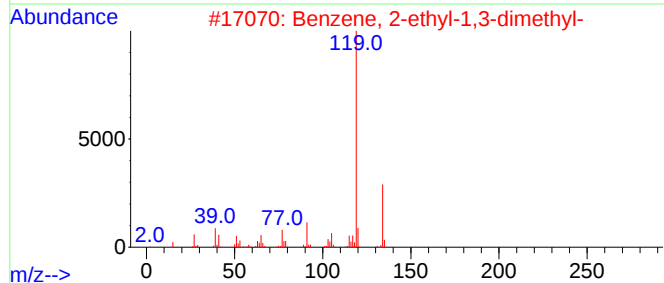
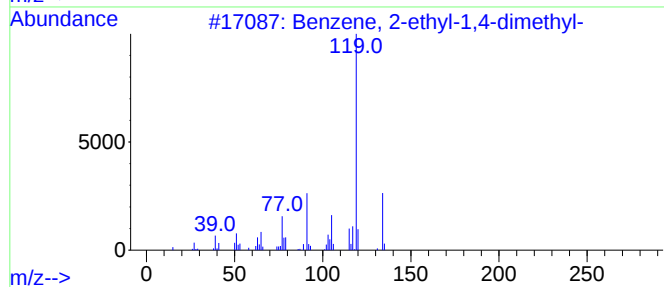
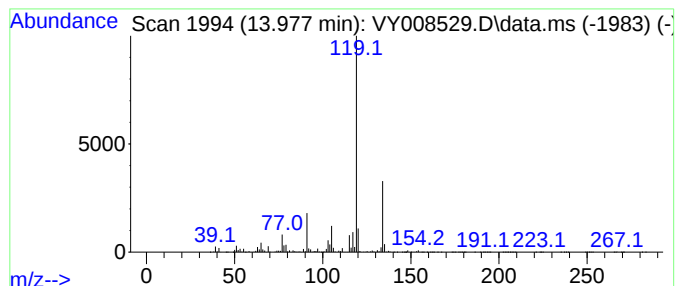
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 2

| R.T.   | EstConc      | Area     | Relative to ISTD       | R.T.   |
|--------|--------------|----------|------------------------|--------|
| 13.977 | 1718.76 ug/l | 18299400 | 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 | 96   |
| 2    |    |   | Benzene, 2-ethyl-1,3-dimethyl- | 134 | C10H14  | 002870-04-4 | 95   |
| 3    |    |   | o-Cymene                       | 134 | C10H14  | 000527-84-4 | 95   |
| 4    |    |   | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14  | 000934-80-5 | 95   |
| 5    |    |   | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14  | 000933-98-2 | 95   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042722\  
Data File : VY008529.D  
Acq On : 27 Apr 2022 15:58  
Operator : KP/MD  
Sample : N2577-07  
Misc : 8.33g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
GT-04-(25-30)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042122S.M  
Quant Title : SW846 8260

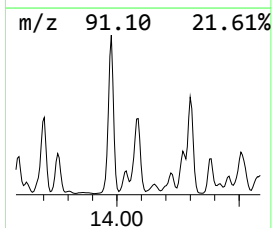
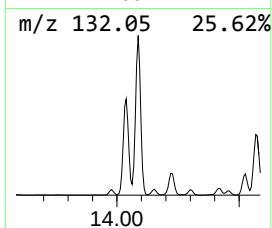
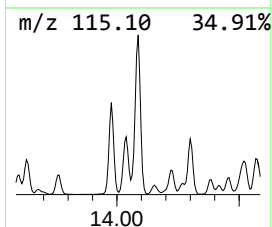
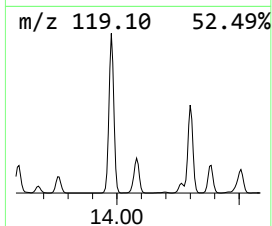
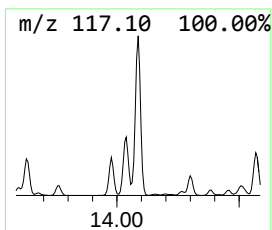
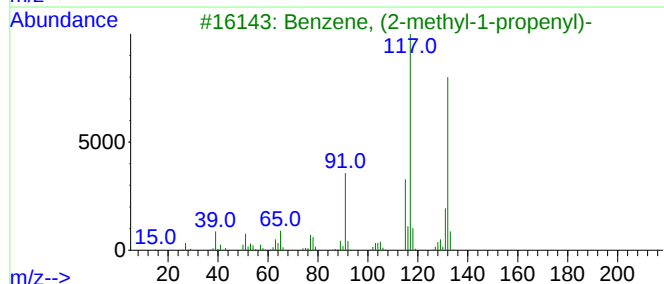
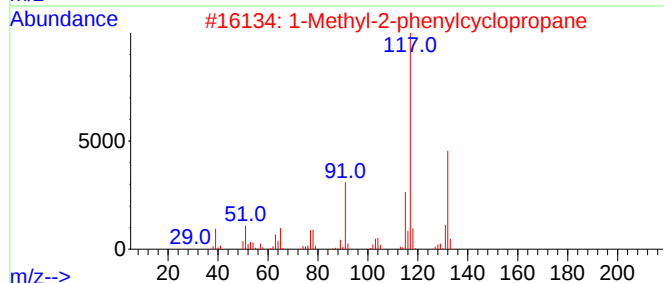
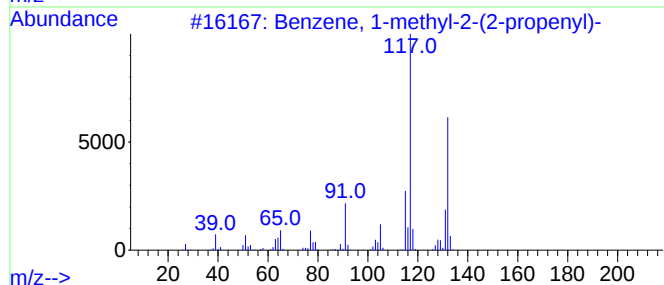
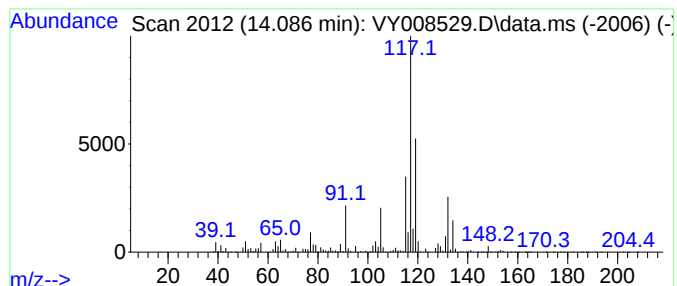
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Benzene, 1-methyl-2-(2-prop... Concentration Rank 3

| R.T.   | EstConc      | Area     | Relative to ISTD       | R.T.   |
|--------|--------------|----------|------------------------|--------|
| 14.086 | 1057.78 ug/l | 11262000 | 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 | 70   |
| 2    |    |   | 1-Methyl-2-phenylcyclopropane     | 132 | C10H12  | 003145-76-4 | 64   |
| 3    |    |   | Benzene, (2-methyl-1-propenyl)-   | 132 | C10H12  | 000768-49-0 | 62   |
| 4    |    |   | Indan, 1-methyl-                  | 132 | C10H12  | 000767-58-8 | 60   |
| 5    |    |   | Benzene, 1-ethenyl-3-ethyl-       | 132 | C10H12  | 007525-62-4 | 58   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042722\  
Data File : VY008529.D  
Acq On : 27 Apr 2022 15:58  
Operator : KP/MD  
Sample : N2577-07  
Misc : 8.33g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
GT-04-(25-30)

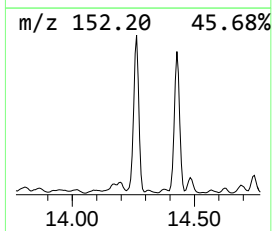
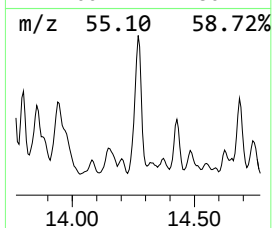
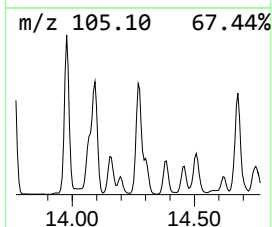
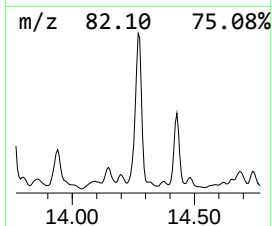
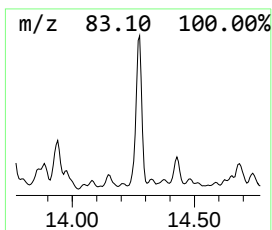
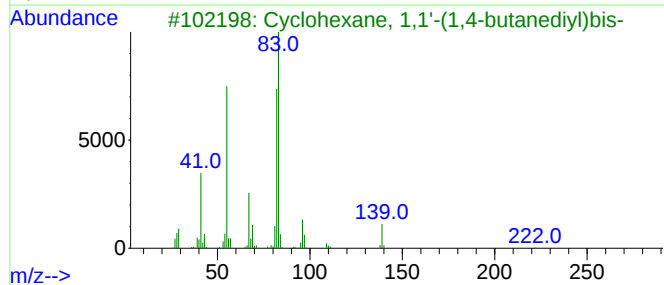
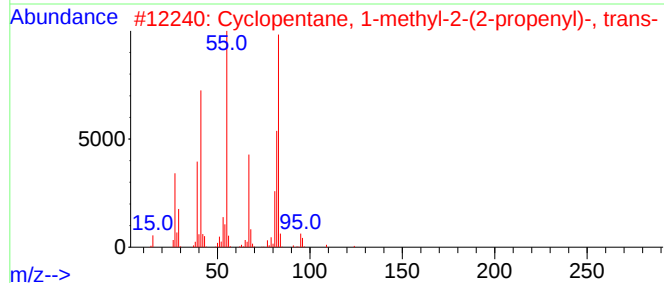
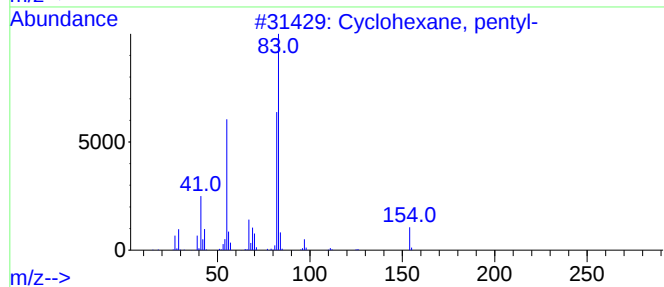
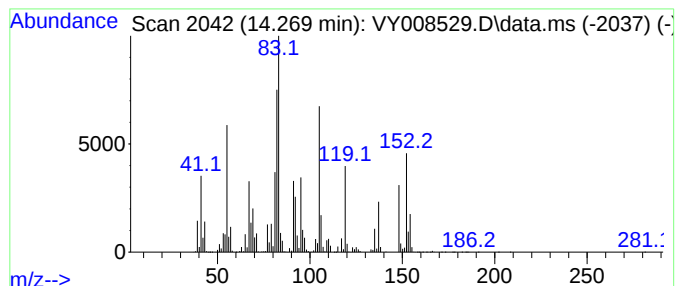
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Quant Title : SW846 8260

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

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Peak Number 7 Cyclohexane, pentyl- Concentration Rank 8

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 14.269 | 756.54 ug/l | 8054710 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclohexane, pentyl-                | 154 | C11H22  | 004292-92-6 | 50   |
| 2    |    |   | Cyclopentane, 1-methyl-2-(2-prop... | 124 | C9H16   | 050746-53-7 | 46   |
| 3    |    |   | Cyclohexane, 1,1'-(1,4-butanedi...  | 222 | C16H30  | 006165-44-2 | 35   |
| 4    |    |   | Cyclohexane, undecyl-               | 238 | C17H34  | 054105-66-7 | 35   |
| 5    |    |   | Cyclohexane, butyl-                 | 140 | C10H20  | 001678-93-9 | 35   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042722\  
Data File : VY008529.D  
Acq On : 27 Apr 2022 15:58  
Operator : KP/MD  
Sample : N2577-07  
Misc : 8.33g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
GT-04-(25-30)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042122S.M  
Quant Title : SW846 8260

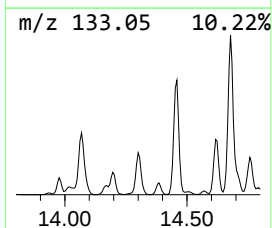
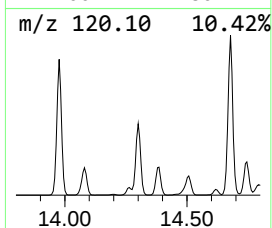
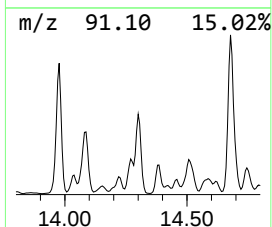
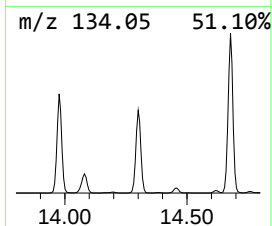
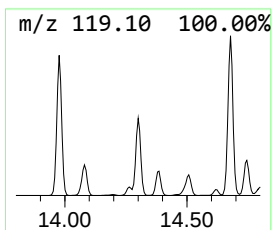
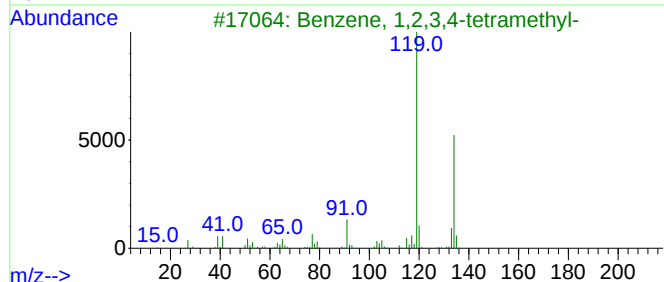
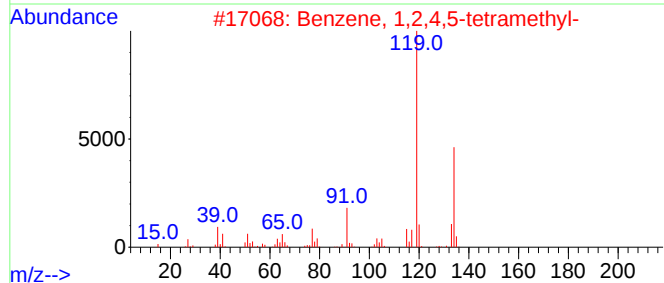
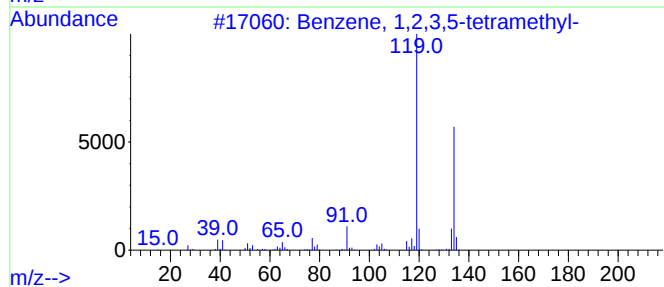
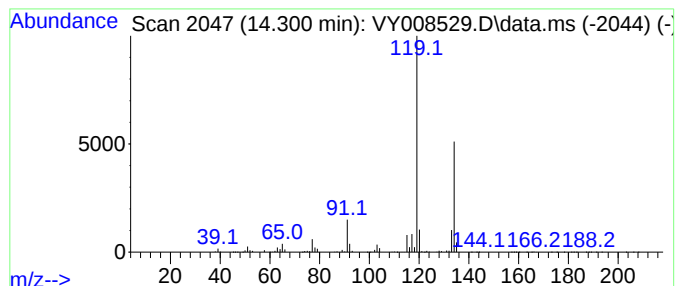
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 4

| R.T.   | EstConc      | Area     | Relative to ISTD       | R.T.   |
|--------|--------------|----------|------------------------|--------|
| 14.300 | 1006.37 ug/l | 10714600 | 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 | 94   |
| 2    |    |   | Benzene, 1,2,4,5-tetramethyl-  | 134 | C10H14  | 000095-93-2 | 94   |
| 3    |    |   | Benzene, 1,2,3,4-tetramethyl-  | 134 | C10H14  | 000488-23-3 | 94   |
| 4    |    |   | Benzene, 1-ethyl-3,5-dimethyl- | 134 | C10H14  | 000934-74-7 | 91   |
| 5    |    |   | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14  | 000933-98-2 | 91   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042722\  
Data File : VY008529.D  
Acq On : 27 Apr 2022 15:58  
Operator : KP/MD  
Sample : N2577-07  
Misc : 8.33g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
GT-04-(25-30)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042122S.M  
Quant Title : SW846 8260

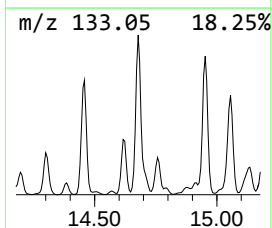
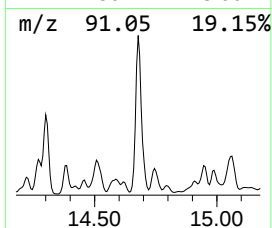
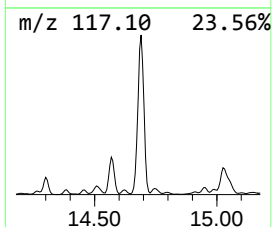
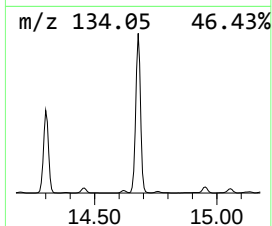
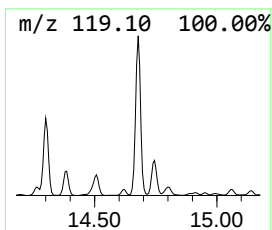
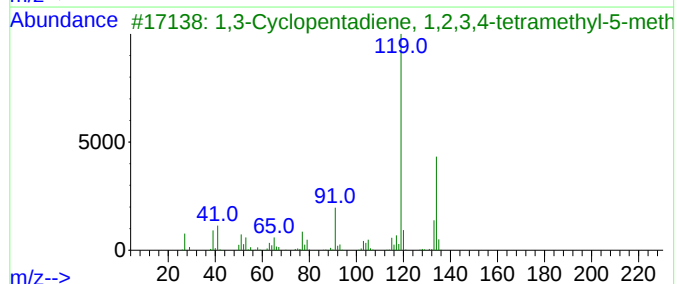
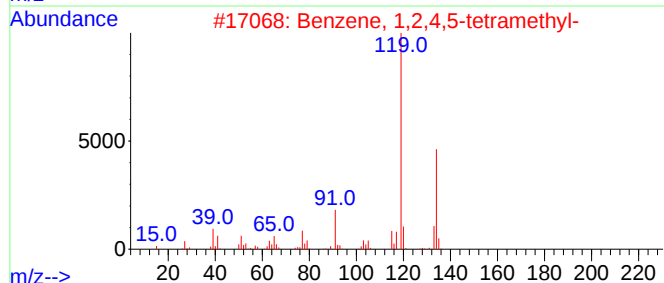
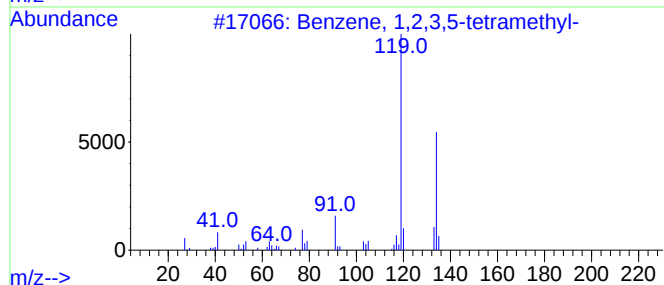
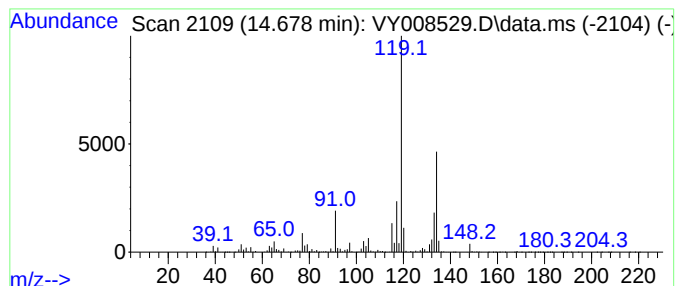
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 1

| R.T.   | EstConc      | Area     | Relative to ISTD       | R.T.   |
|--------|--------------|----------|------------------------|--------|
| 14.678 | 2707.51 ug/l | 28826400 | 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 | 93   |
| 2    |    |   | Benzene, 1,2,4,5-tetramethyl-       | 134 | C10H14  | 000095-93-2 | 93   |
| 3    |    |   | 1,3-Cyclopentadiene, 1,2,3,4-tet... | 134 | C10H14  | 076089-59-3 | 81   |
| 4    |    |   | Benzene, 1-ethyl-3,5-dimethyl-      | 134 | C10H14  | 000934-74-7 | 81   |
| 5    |    |   | Benzene, 1,2,3,4-tetramethyl-       | 134 | C10H14  | 000488-23-3 | 81   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042722\  
Data File : VY008529.D  
Acq On : 27 Apr 2022 15:58  
Operator : KP/MD  
Sample : N2577-07  
Misc : 8.33g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
GT-04-(25-30)

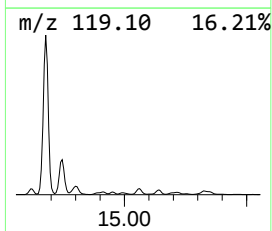
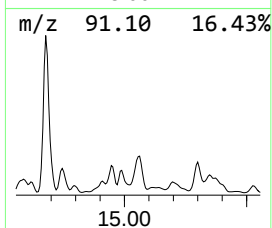
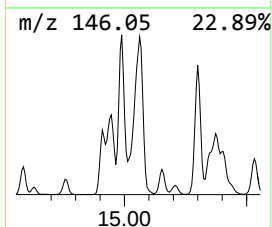
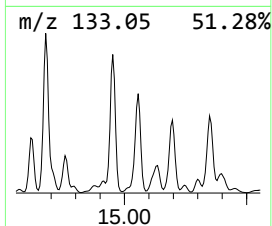
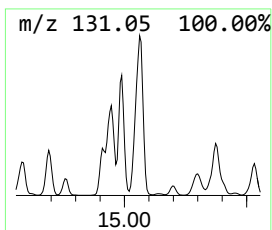
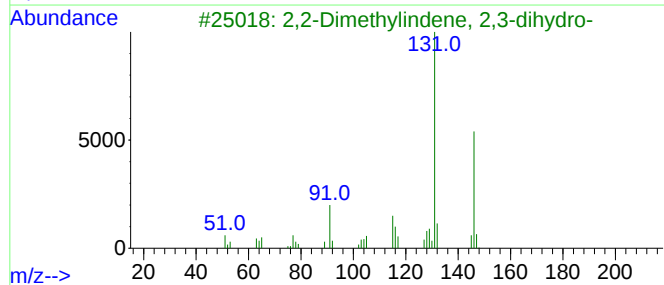
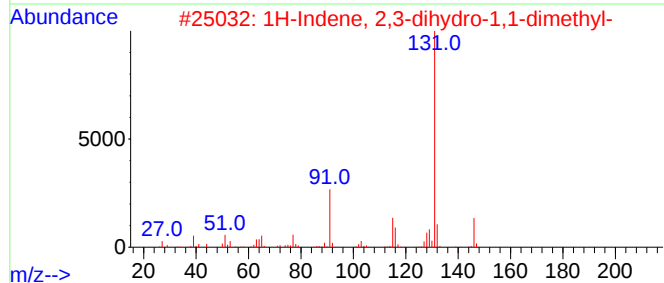
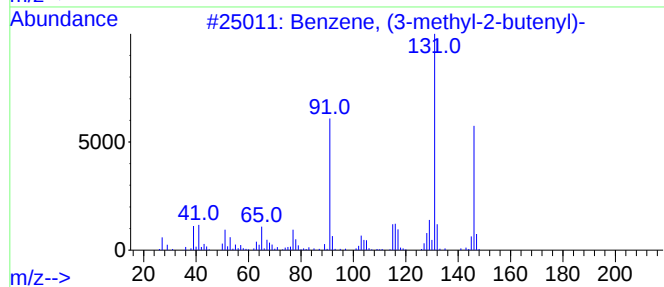
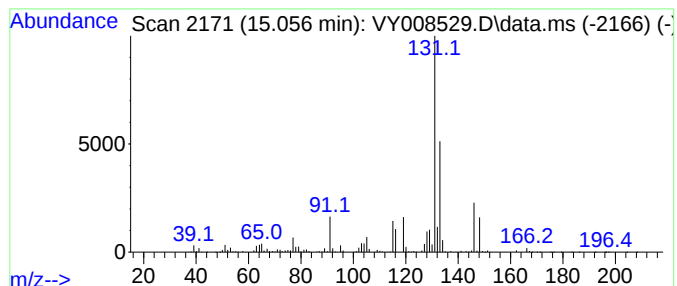
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042122S.M  
Quant Title : SW846 8260

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

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Peak Number 10 Benzene, (3-methyl-2-butenyl)- Concentration Rank 6

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 15.056 | 832.93 ug/l | 8868030 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, (3-methyl-2-butenyl)-      | 146 | C11H14  | 004489-84-3 | 64   |
| 2    |    |   | 1H-Indene, 2,3-dihydro-1,1-dimet... | 146 | C11H14  | 004912-92-9 | 64   |
| 3    |    |   | 2,2-Dimethylindene, 2,3-dihydro-    | 146 | C11H14  | 020836-11-7 | 64   |
| 4    |    |   | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 | C11H14  | 004175-53-5 | 64   |
| 5    |    |   | Bicyclo[4.2.0]octa-1,3,5-triene,... | 146 | C11H14  | 027087-54-3 | 64   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042722\  
Data File : VY008529.D  
Acq On : 27 Apr 2022 15:58  
Operator : KP/MD  
Sample : N2577-07  
Misc : 8.33g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
GT-04-(25-30)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042122S.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 |
| Cyclohexane, et... | 11.038 | 570.6   | ug/l  | 6859260  | 3                     | 11.489 | 601070 | 50.0 |
| Cyclohexane, 1,... | 11.093 | 659.0   | ug/l  | 7921880  | 3                     | 11.489 | 601070 | 50.0 |
| 3-Hexene, 3-eth... | 12.812 | 857.5   | ug/l  | 9130230  | 4                     | 13.428 | 532341 | 50.0 |
| Cyclohexane, bu... | 13.324 | 784.0   | ug/l  | 8347500  | 4                     | 13.428 | 532341 | 50.0 |
| Benzene, 2-ethy... | 13.977 | 1718.8  | ug/l  | 18299400 | 4                     | 13.428 | 532341 | 50.0 |
| Benzene, 1-meth... | 14.086 | 1057.8  | ug/l  | 11262000 | 4                     | 13.428 | 532341 | 50.0 |
| Cyclohexane, pe... | 14.269 | 756.5   | ug/l  | 8054710  | 4                     | 13.428 | 532341 | 50.0 |
| Benzene, 1,2,3,... | 14.300 | 1006.4  | ug/l  | 10714600 | 4                     | 13.428 | 532341 | 50.0 |
| Benzene, 1,2,4,... | 14.678 | 2707.5  | ug/l  | 28826400 | 4                     | 13.428 | 532341 | 50.0 |
| Benzene, (3-met... | 15.056 | 832.9   | ug/l  | 8868030  | 4                     | 13.428 | 532341 | 50.0 |