LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011022\
Data File : VY007107.D
Acq On : 10 Jan 2022 17:23
Operator : SY/MD
Sample : N1066-01
Misc : 7.23g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
DB-5-(9-9.5)-1-5-22

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\82Y010822S.M
Title : SW846 8260

Signal : TIC: VY007107.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 7.722 | 959 | 968 | 973 | rBV | 96658 | 243826 | 1.07% | 0.053% |
| 2 | 7.789 | 973 | 979 | 987 | rVV | 217642 | 523819 | 2.29% | 0.113% |
| 3 | 8.002 | 1005 | 1014 | 1020 | rBV | 112552 | 267144 | 1.17% | 0.058% |
| 4 | 8.283 | 1048 | 1060 | 1065 | rBV2 | 97099 | 253531 | 1.11% | 0.055% |
| 5 | 8.350 | 1065 | 1071 | 1077 | rVV3 | 90647 | 246135 | 1.08% | 0.053% |
| 6 | 8.423 | 1077 | 1083 | 1095 | rVB2 | 121016 | 288941 | 1.26% | 0.062% |
| 7 | 8.691 | 1119 | 1127 | 1137 | rBV | 265456 | 540504 | 2.36% | 0.117% |
| 8 | 9.191 | 1192 | 1209 | 1215 | rBV2 | 1746292 | 4530794 | 19.82% | 0.979% |
| 9 | 9.246 | 1215 | 1218 | 1226 | rVB | 470703 | 863514 | 3.78% | 0.187% |
| 10 | 9.374 | 1234 | 1239 | 1244 | rVB | 161513 | 282924 | 1.24% | 0.061% |
| 11 | 9.466 | 1244 | 1254 | 1265 | rVB2 | 637812 | 1656246 | 7.24% | 0.358% |
| 12 | 9.612 | 1268 | 1278 | 1290 | rVB2 | 929209 | 1959825 | 8.57% | 0.424% |
| 13 | 9.764 | 1290 | 1303 | 1307 | rBV | 681634 | 1457968 | 6.38% | 0.315% |
| 14 | 9.813 | 1307 | 1311 | 1315 | rVV3 | 280914 | 523188 | 2.29% | 0.113% |
| 15 | 9.856 | 1315 | 1318 | 1325 | rVB | 489610 | 808997 | 3.54% | 0.175% |
| 16 | 9.941 | 1325 | 1332 | 1337 | rBV2 | 923929 | 2113811 | 9.25% | 0.457% |
| 17 | 9.996 | 1337 | 1341 | 1348 | rVB | 674461 | 1276849 | 5.58% | 0.276% |
| 18 | 10.081 | 1348 | 1355 | 1357 | rBV | 273643 | 558599 | 2.44% | 0.121% |
| 19 | 10.185 | 1365 | 1372 | 1376 | rBV | 4518460 | 9108307 | 39.84% | 1.969% |
| 20 | 10.221 | 1376 | 1378 | 1385 | rVB | 2150037 | 2971320 | 13.00% | 0.642% |
| 21 | 10.313 | 1386 | 1393 | 1395 | rBV2 | 615028 | 1104999 | 4.83% | 0.239% |
| 22 | 10.356 | 1395 | 1400 | 1411 | rVB2 | 1901528 | 5227196 | 22.86% | 1.130% |
| 23 | 10.490 | 1411 | 1422 | 1423 | rBV2 | 912693 | 1636156 | 7.16% | 0.354% |
| 24 | 10.526 | 1423 | 1428 | 1437 | rVB | 4143937 | 7680137 | 33.59% | 1.660% |
| 25 | 10.624 | 1437 | 1444 | 1449 | rBV2 | 2021584 | 4462344 | 19.52% | 0.964% |
| 26 | 10.673 | 1449 | 1452 | 1455 | rVB2 | 620853 | 822983 | 3.60% | 0.178% |
| 27 | 10.721 | 1455 | 1460 | 1465 | rVB | 1890157 | 3038608 | 13.29% | 0.657% |
| 28 | 10.770 | 1465 | 1468 | 1469 | rBV | 190721 | 229457 | 1.00% | 0.050% |
| 29 | 10.813 | 1469 | 1475 | 1481 | rVB | 5905578 | 10097908 | 44.17% | 2.182% |
| 30 | 10.910 | 1481 | 1491 | 1498 | rBV | 3737236 | 8216970 | 35.94% | 1.776% |
| 31 | 10.977 | 1498 | 1502 | 1506 | rBV2 | 1423679 | 2487329 | 10.88% | 0.538% |
| 32 | 11.045 | 1508 | 1513 | 1517 | rVB | 4955049 | 7277272 | 31.83% | 1.573% |
| 33 | 11.099 | 1517 | 1522 | 1528 | rVB | 11259534 | 19406010 | 84.88% | 4.194% |
| 34 | 11.154 | 1528 | 1531 | 1535 | rVB | 1542981 | 1951682 | 8.54% | 0.422% |
| 35 | 11.215 | 1535 | 1541 | 1545 | rBV2 | 5230658 | 9568225 | 41.85% | 2.068% |
| 36 | 11.258 | 1545 | 1548 | 1551 | rVB | 1645278 | 2094353 | 9.16% | 0.453% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011022\
Data File : VY007107.D
Acq On : 10 Jan 2022 17:23
Operator : SY/MD
Sample : N1066-01
Misc : 7.23g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
DB-5-(9-9.5)-1-5-22

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\82Y010822S.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 11.307 | 1551 | 1556 | 1564 | rVB | 5568053 | 10084023 | 44.11% | 2.179% |
| 38 | 11.386 | 1564 | 1569 | 1572 | rBV2 | 1887224 | 3221022 | 14.09% | 0.696% |
| 39 | 11.429 | 1572 | 1576 | 1582 | rVB3 | 643635 | 1059196 | 4.63% | 0.229% |
| 40 | 11.483 | 1582 | 1585 | 1589 | rVB2 | 366958 | 511418 | 2.24% | 0.111% |
| 41 | 11.538 | 1589 | 1594 | 1597 | rBV | 756466 | 1118247 | 4.89% | 0.242% |
| 42 | 11.587 | 1597 | 1602 | 1605 | rBV3 | 906078 | 1474428 | 6.45% | 0.319% |
| 43 | 11.636 | 1605 | 1610 | 1613 | rBV | 2607806 | 3883949 | 16.99% | 0.839% |
| 44 | 11.685 | 1613 | 1618 | 1623 | rBV4 | 3046658 | 6089342 | 26.63% | 1.316% |
| 45 | 11.746 | 1623 | 1628 | 1632 | rBV | 7741703 | 13823208 | 60.46% | 2.988% |
| 46 | 11.788 | 1632 | 1635 | 1640 | rVB | 6318066 | 9897334 | 43.29% | 2.139% |
| 47 | 11.849 | 1640 | 1645 | 1649 | rBV3 | 1505070 | 3022811 | 13.22% | 0.653% |
| 48 | 11.904 | 1649 | 1654 | 1657 | rBV2 | 961037 | 1714301 | 7.50% | 0.371% |
| 49 | 11.941 | 1657 | 1660 | 1664 | rVB2 | 2267579 | 3353072 | 14.67% | 0.725% |
| 50 | 12.014 | 1664 | 1672 | 1678 | rBV4 | 9334237 | 22863254 | 100.00% | 4.941% |
| 51 | 12.069 | 1678 | 1681 | 1683 | rBV2 | 938972 | 789937 | 3.46% | 0.171% |
| 52 | 12.099 | 1683 | 1686 | 1688 | rBV | 976203 | 1010423 | 4.42% | 0.218% |
| 53 | 12.136 | 1688 | 1692 | 1696 | rVB | 9977000 | 13851116 | 60.58% | 2.994% |
| 54 | 12.172 | 1696 | 1698 | 1700 | rBV2 | 986064 | 1109840 | 4.85% | 0.240% |
| 55 | 12.215 | 1700 | 1705 | 1707 | rBV2 | 7483872 | 12718574 | 55.63% | 2.749% |
| 56 | 12.252 | 1707 | 1711 | 1716 | rVB2 | 9723193 | 19204874 | 84.00% | 4.151% |
| 57 | 12.331 | 1721 | 1724 | 1727 | rVV4 | 2612152 | 4822144 | 21.09% | 1.042% |
| 58 | 12.386 | 1729 | 1733 | 1739 | rVB4 | 5022201 | 9629912 | 42.12% | 2.081% |
| 59 | 12.435 | 1739 | 1741 | 1745 | rVB2 | 1475776 | 1906328 | 8.34% | 0.412% |
| 60 | 12.495 | 1745 | 1751 | 1756 | rVB3 | 2714326 | 5036850 | 22.03% | 1.089% |
| 61 | 12.581 | 1756 | 1765 | 1769 | rBV6 | 3401417 | 10097737 | 44.17% | 2.182% |
| 62 | 12.654 | 1773 | 1777 | 1784 | rVB3 | 10175432 | 19970559 | 87.35% | 4.316% |
| 63 | 12.733 | 1784 | 1790 | 1796 | rBV4 | 4085680 | 10516446 | 46.00% | 2.273% |
| 64 | 12.819 | 1796 | 1804 | 1809 | rVV5 | 7965627 | 21164221 | 92.57% | 4.574% |
| 65 | 12.867 | 1809 | 1812 | 1818 | rVB3 | 5179395 | 8656893 | 37.86% | 1.871% |
| 66 | 12.922 | 1818 | 1821 | 1822 | rBV2 | 734468 | 807288 | 3.53% | 0.174% |
| 67 | 12.959 | 1823 | 1827 | 1831 | rBV4 | 3896187 | 5456031 | 23.86% | 1.179% |
| 68 | 13.014 | 1831 | 1836 | 1838 | rBV4 | 1869340 | 3862224 | 16.89% | 0.835% |
| 69 | 13.050 | 1838 | 1842 | 1849 | rVB3 | 4301161 | 8177392 | 35.77% | 1.767% |
| 70 | 13.142 | 1854 | 1857 | 1859 | rBV2 | 758552 | 784920 | 3.43% | 0.170% |
| 71 | 13.178 | 1859 | 1863 | 1868 | rBV3 | 2304490 | 3738870 | 16.35% | 0.808% |
| 72 | 13.233 | 1868 | 1872 | 1874 | rBV2 | 1898762 | 2810450 | 12.29% | 0.607% |
| 73 | 13.258 | 1874 | 1876 | 1880 | rVB | 3186413 | 3947071 | 17.26% | 0.853% |
| 74 | 13.331 | 1880 | 1888 | 1892 | rBV3 | 6579797 | 14540097 | 63.60% | 3.142% |
| 75 | 13.538 | 1919 | 1922 | 1923 | rBV2 | 492139 | 560440 | 2.45% | 0.121% |
| 76 | 13.575 | 1924 | 1928 | 1943 | rVB6 | 3039504 | 9601915 | 42.00% | 2.075% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011022\
Data File : VY007107.D
Acq On : 10 Jan 2022 17:23
Operator : SY/MD
Sample : N1066-01
Misc : 7.23g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
DB-5-(9-9.5)-1-5-22

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\82Y010822S.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 13.703 | 1943 | 1949 | 1952 | rBV3 | 1388831 | 2753592 | 12.04% | 0.595% |
| 78 | 13.757 | 1952 | 1958 | 1963 | rBV2 | 7166207 | 13418672 | 58.69% | 2.900% |
| 79 | 13.806 | 1963 | 1966 | 1970 | rVV3 | 1999024 | 2931631 | 12.82% | 0.634% |
| 80 | 13.861 | 1971 | 1975 | 1983 | rVB6 | 1828266 | 4011817 | 17.55% | 0.867% |
| 81 | 13.977 | 1991 | 1994 | 1999 | rVB | 3034469 | 4507932 | 19.72% | 0.974% |
| 82 | 14.087 | 2007 | 2012 | 2017 | rVB5 | 1643793 | 2814771 | 12.31% | 0.608% |
| 83 | 14.148 | 2017 | 2022 | 2028 | rVB4 | 1529734 | 3041515 | 13.30% | 0.657% |
| 84 | 14.202 | 2028 | 2031 | 2036 | rBV4 | 909841 | 1289946 | 5.64% | 0.279% |
| 85 | 14.270 | 2036 | 2042 | 2056 | rVB6 | 5381602 | 13501218 | 59.05% | 2.918% |
| 86 | 14.385 | 2057 | 2061 | 2064 | rBV2 | 826827 | 1269893 | 5.55% | 0.274% |
| 87 | 14.428 | 2064 | 2068 | 2073 | rBV3 | 2599152 | 3742318 | 16.37% | 0.809% |
| 88 | 14.623 | 2097 | 2100 | 2104 | rBV5 | 629842 | 999847 | 4.37% | 0.216% |
| 89 | 14.690 | 2107 | 2111 | 2115 | rVV4 | 1763525 | 3137410 | 13.72% | 0.678% |
| 90 | 14.739 | 2115 | 2119 | 2126 | rVB3 | 1962252 | 3634256 | 15.90% | 0.785% |
| 91 | 14.855 | 2135 | 2138 | 2140 | rBV2 | 415163 | 533014 | 2.33% | 0.115% |
| 92 | 14.952 | 2150 | 2154 | 2157 | rVB2 | 1070185 | 1627661 | 7.12% | 0.352% |
| 93 | 15.013 | 2157 | 2164 | 2166 | rBV4 | 464222 | 1015523 | 4.44% | 0.219% |
| 94 | 15.056 | 2167 | 2171 | 2176 | rVB4 | 579875 | 1089395 | 4.76% | 0.235% |
| 95 | 15.221 | 2194 | 2198 | 2203 | rVB3 | 774751 | 1191547 | 5.21% | 0.258% |
| 96 | 15.294 | 2203 | 2210 | 2215 | rBV7 | 534352 | 1444071 | 6.32% | 0.312% |
| 97 | 15.452 | 2232 | 2236 | 2242 | rVB5 | 197665 | 392855 | 1.72% | 0.085% |
| 98 | 15.611 | 2258 | 2262 | 2269 | rVB4 | 446427 | 872379 | 3.82% | 0.189% |
| 99 | 15.690 | 2270 | 2275 | 2280 | rBV6 | 141595 | 339825 | 1.49% | 0.073% |
| 100 | 16.038 | 2329 | 2332 | 2342 | rVB8 | 234801 | 469670 | 2.05% | 0.102% |

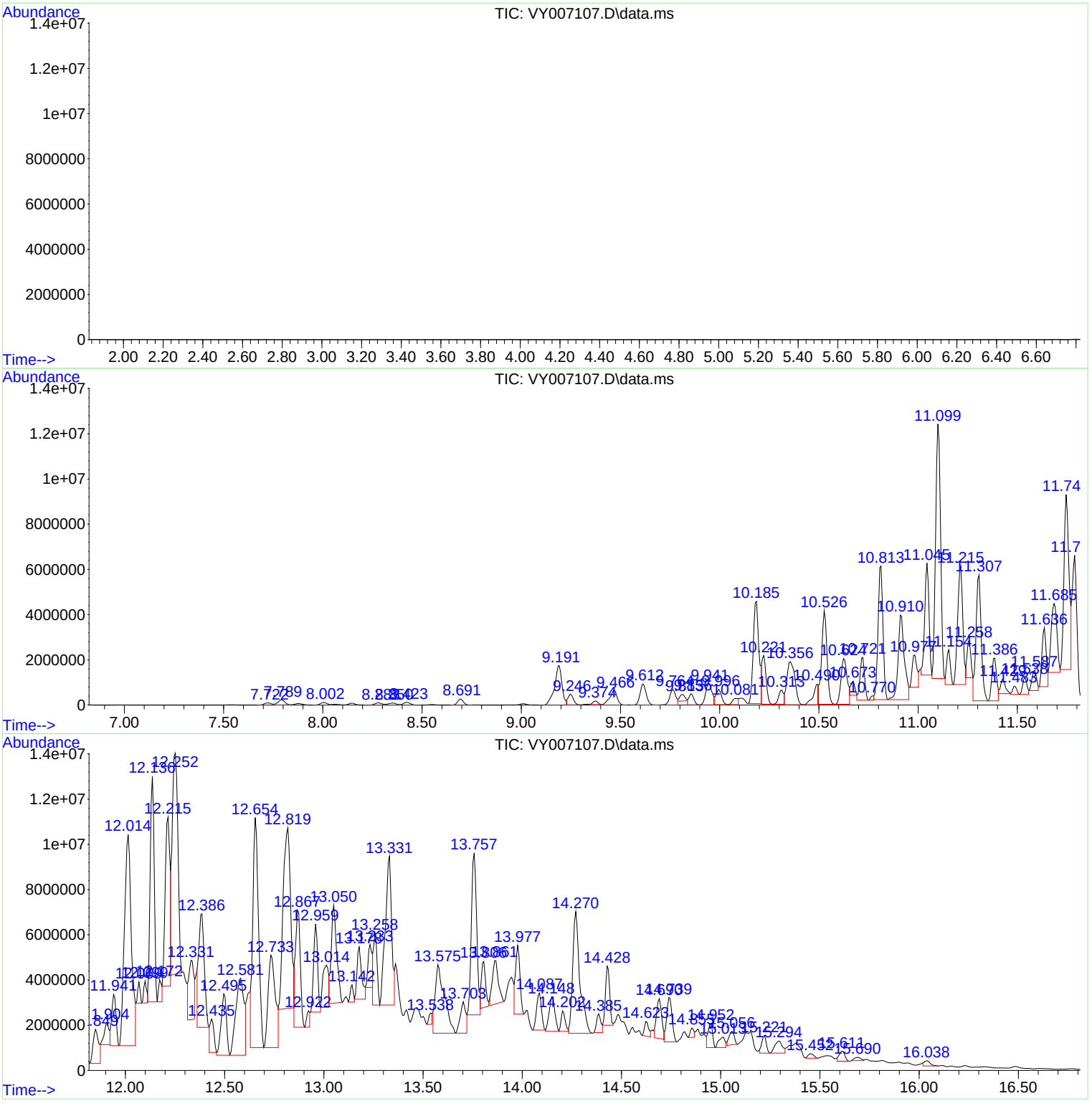
Sum of corrected areas: 462696786

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011022\
Data File : VY007107.D
Acq On : 10 Jan 2022 17:23
Operator : SY/MD
Sample : N1066-01
Misc : 7.23g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
DB-5-(9-9.5)-1-5-22

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010822S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011022\
Data File : VY007107.D
Acq On : 10 Jan 2022 17:23
Operator : SY/MD
Sample : N1066-01
Misc : 7.23g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
DB-5-(9-9.5)-1-5-22

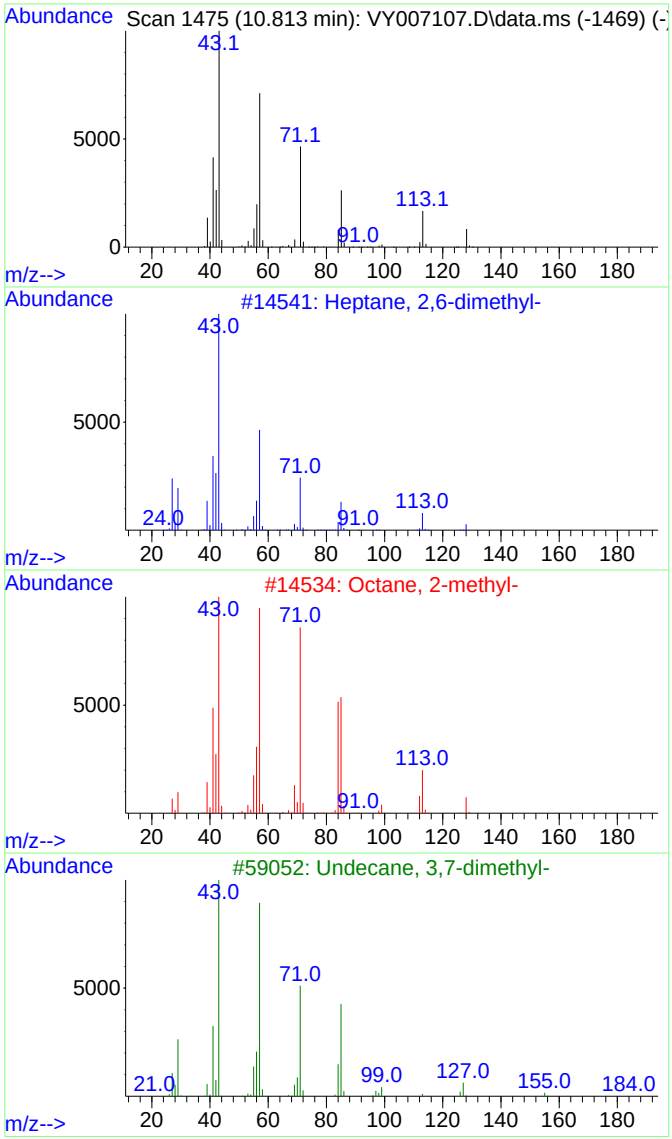
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010822S.M
Quant Title : SW846 8260

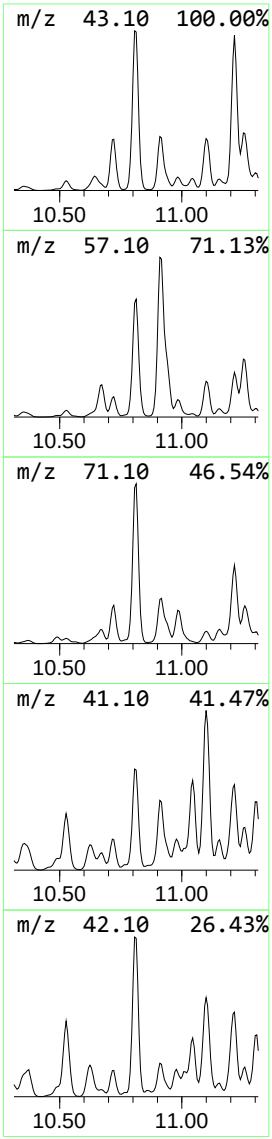
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.813 | 987.25 ug/l | 10097900 | Chlorobenzene-d5 | 11.496 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptane, 2,6-dimethyl- | 128 | C9H20 | 001072-05-5 | 91 |
| 2 | Octane, 2-methyl- | 128 | C9H20 | 003221-61-2 | 90 |
| 3 | Undecane, 3,7-dimethyl- | 184 | C13H28 | 017301-29-0 | 59 |
| 4 | Nonane | 128 | C9H20 | 000111-84-2 | 58 |
| 5 | 1-Nonene, 4,6,8-trimethyl- | 168 | C12H24 | 054410-98-9 | 50 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011022\
Data File : VY007107.D
Acq On : 10 Jan 2022 17:23
Operator : SY/MD
Sample : N1066-01
Misc : 7.23g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
DB-5-(9-9.5)-1-5-22

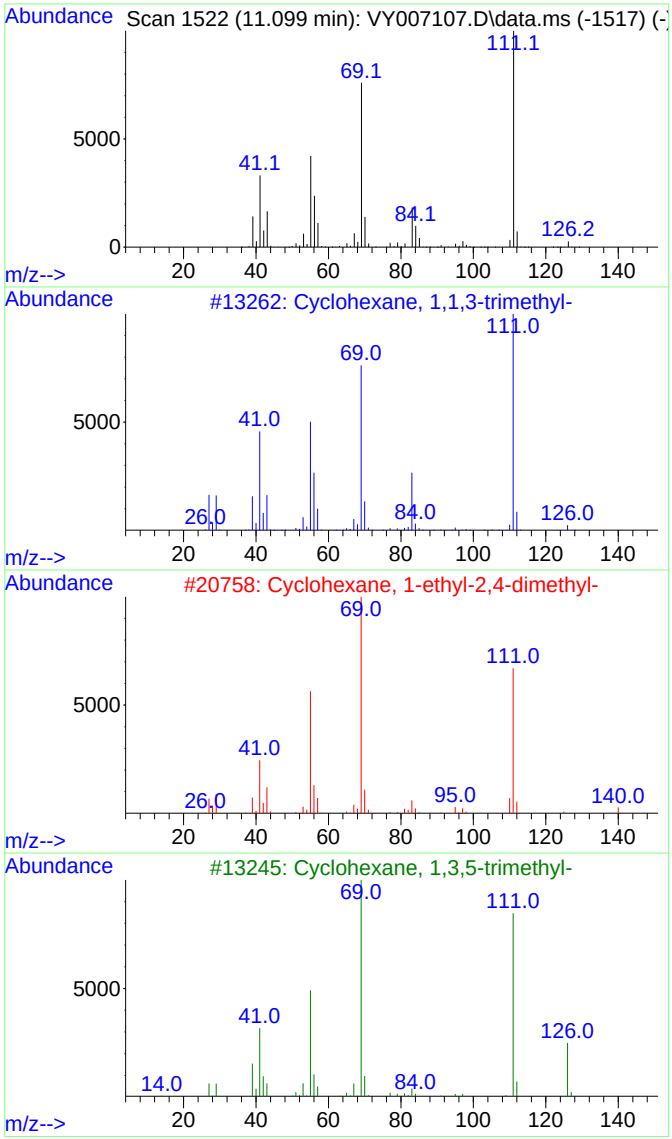
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010822S.M
Quant Title : SW846 8260

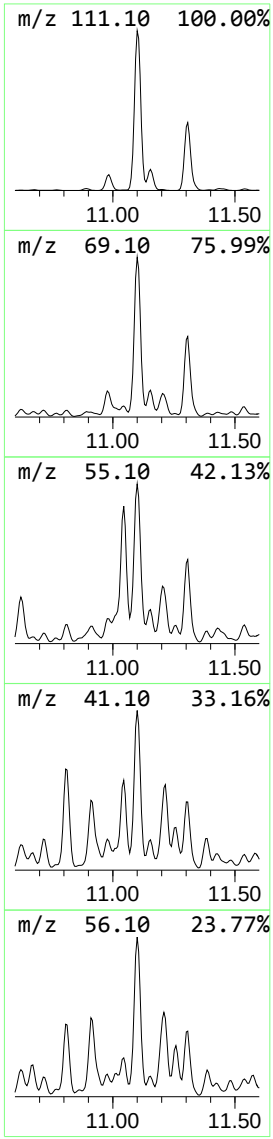
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.099 | 1897.27 ug/l | 19406000 | Chlorobenzene-d5 | 11.496 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, 1,1,3-trimethyl- | 126 | C9H18 | 003073-66-3 | 94 |
| 2 | Cyclohexane, 1-ethyl-2,4-dimethyl- | 140 | C10H20 | 061142-69-6 | 72 |
| 3 | Cyclohexane, 1,3,5-trimethyl- | 126 | C9H18 | 001839-63-0 | 64 |
| 4 | Cyclohexane, 1,3,5-trimethyl-, (... | 126 | C9H18 | 001795-27-3 | 64 |
| 5 | Cyclohexane, 1,3,5-trimethyl-, (... | 126 | C9H18 | 001795-26-2 | 53 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011022\
Data File : VY007107.D
Acq On : 10 Jan 2022 17:23
Operator : SY/MD
Sample : N1066-01
Misc : 7.23g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
DB-5-(9-9.5)-1-5-22

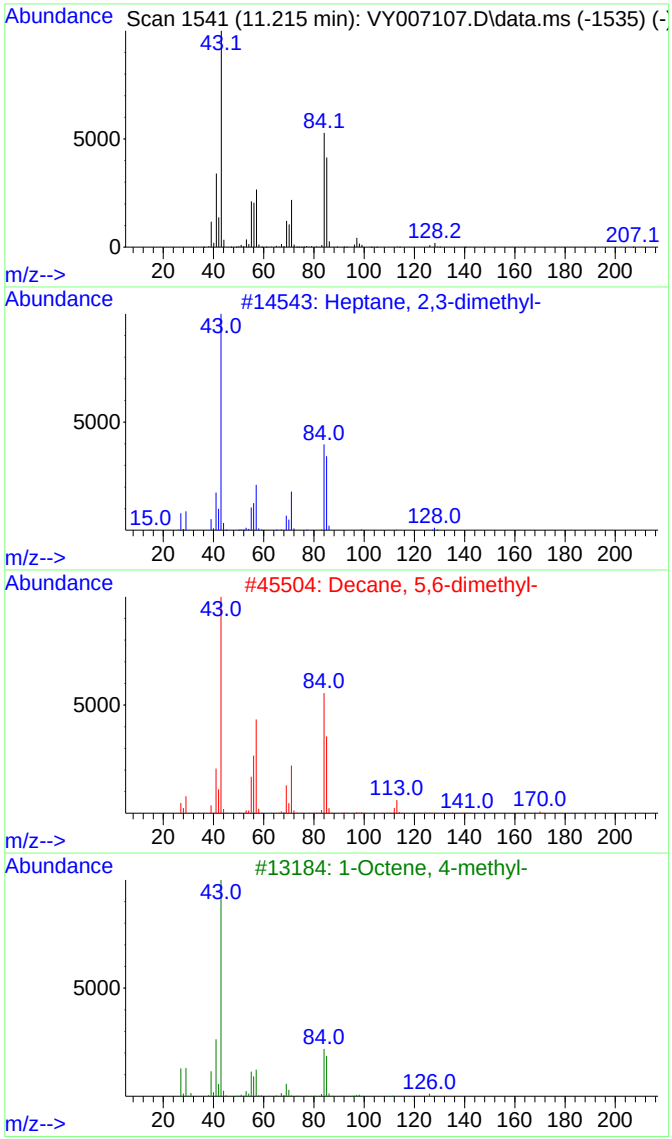
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010822S.M
Quant Title : SW846 8260

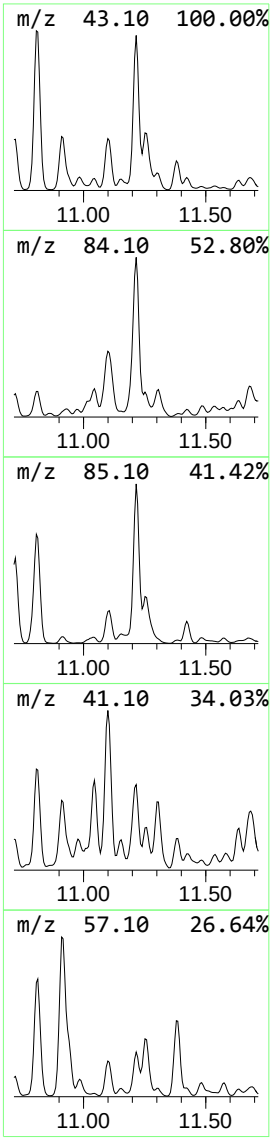
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 Heptane, 2,3-dimethyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.215 | 935.46 ug/l | 9568230 | Chlorobenzene-d5 | 11.496 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptane, 2,3-dimethyl- | 128 | C9H20 | 003074-71-3 | 90 |
| 2 | Decane, 5,6-dimethyl- | 170 | C12H26 | 001636-43-7 | 78 |
| 3 | 1-Octene, 4-methyl- | 126 | C9H18 | 013151-12-7 | 72 |
| 4 | Hexane, 2,3,5-trimethyl- | 128 | C9H20 | 001069-53-0 | 58 |
| 5 | Hexane, 3-ethyl-2-methyl- | 128 | C9H20 | 016789-46-1 | 58 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011022\
Data File : VY007107.D
Acq On : 10 Jan 2022 17:23
Operator : SY/MD
Sample : N1066-01
Misc : 7.23g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
DB-5-(9-9.5)-1-5-22

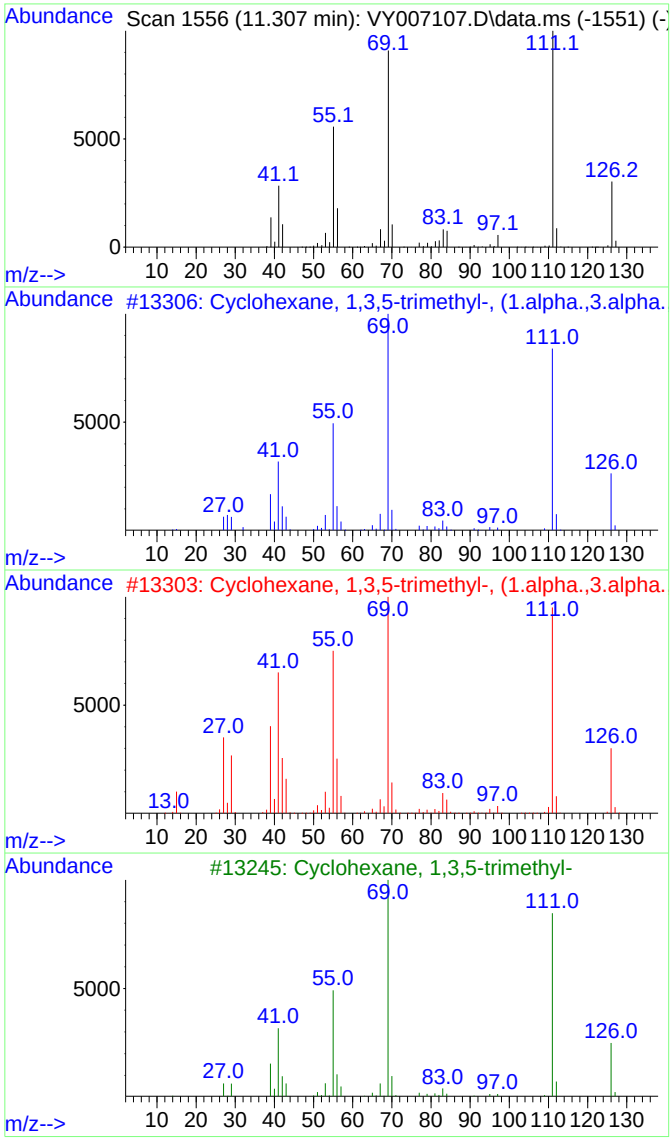
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010822S.M
Quant Title : SW846 8260

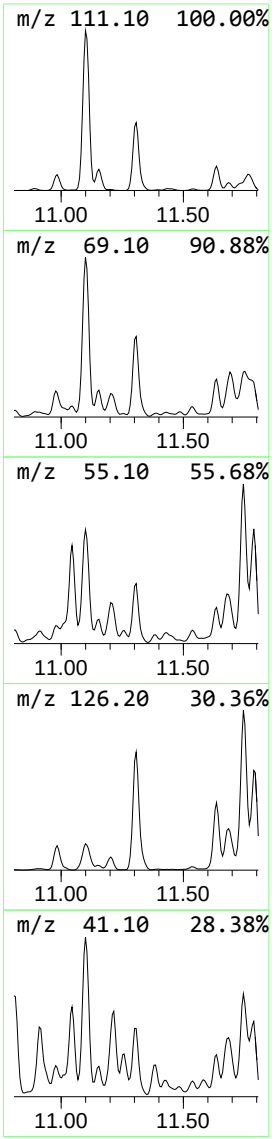
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 Cyclohexane, 1,3,5-trimethy... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.307 | 985.89 ug/l | 10084000 | Chlorobenzene-d5 | 11.496 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, 1,3,5-trimethyl-, (... | 126 | C9H18 | 001795-27-3 | 91 |
| 2 | Cyclohexane, 1,3,5-trimethyl-, (... | 126 | C9H18 | 001795-26-2 | 91 |
| 3 | Cyclohexane, 1,3,5-trimethyl- | 126 | C9H18 | 001839-63-0 | 91 |
| 4 | Cyclohexane, 1,2,4-trimethyl- | 126 | C9H18 | 002234-75-5 | 86 |
| 5 | Cyclohexane, 1,1,3-trimethyl- | 126 | C9H18 | 003073-66-3 | 72 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011022\
Data File : VY007107.D
Acq On : 10 Jan 2022 17:23
Operator : SY/MD
Sample : N1066-01
Misc : 7.23g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
DB-5-(9-9.5)-1-5-22

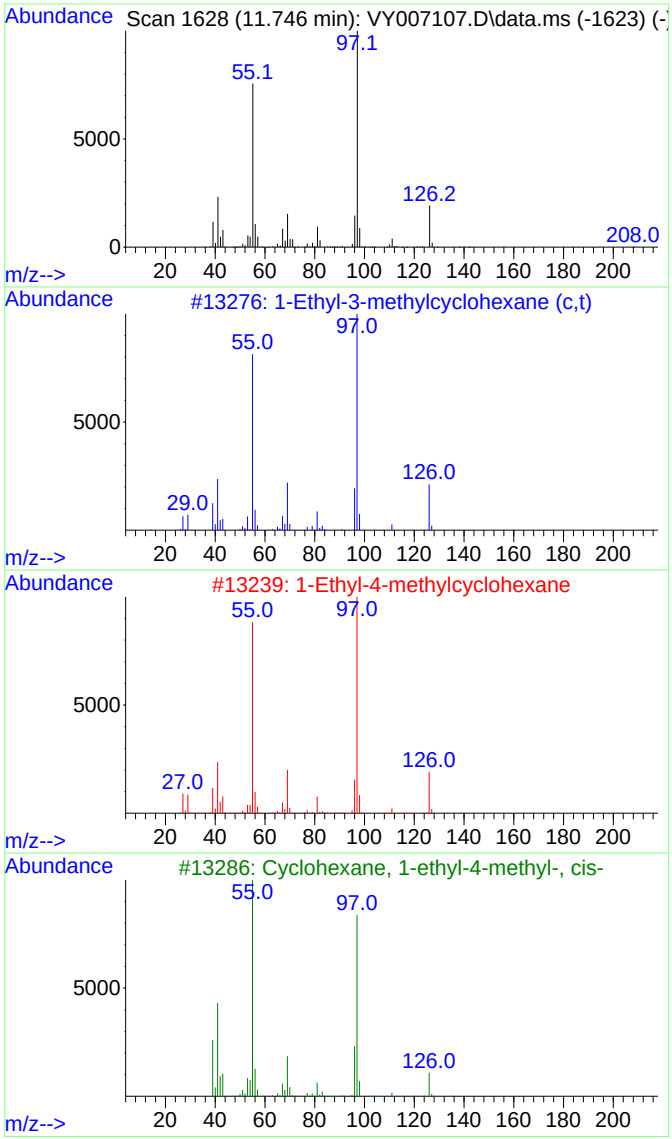
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010822S.M
Quant Title : SW846 8260

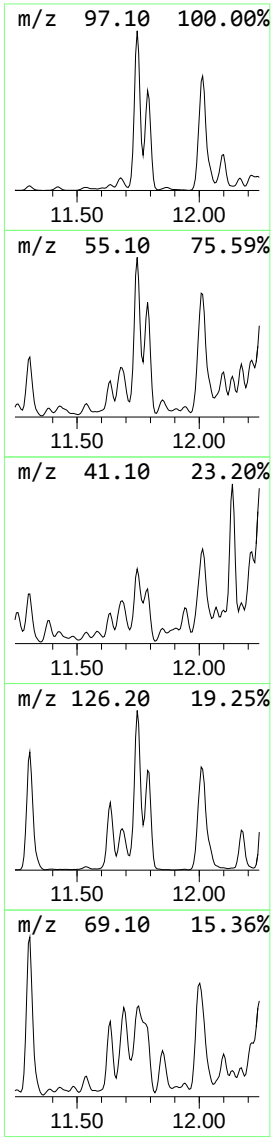
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 1-Ethyl-3-methylcyclohexane... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.746 | 1351.46 ug/l | 13823200 | Chlorobenzene-d5 | 11.496 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Ethyl-3-methylcyclohexane (c,t) | 126 | C9H18 | 003728-55-0 | 94 |
| 2 | 1-Ethyl-4-methylcyclohexane | 126 | C9H18 | 003728-56-1 | 91 |
| 3 | Cyclohexane, 1-ethyl-4-methyl-, ... | 126 | C9H18 | 004926-78-7 | 90 |
| 4 | Cyclohexane, 1-ethyl-2-methyl- | 126 | C9H18 | 003728-54-9 | 90 |
| 5 | Cyclohexane, 1-ethyl-4-methyl-, ... | 126 | C9H18 | 006236-88-0 | 87 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011022\
Data File : VY007107.D
Acq On : 10 Jan 2022 17:23
Operator : SY/MD
Sample : N1066-01
Misc : 7.23g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
DB-5-(9-9.5)-1-5-22

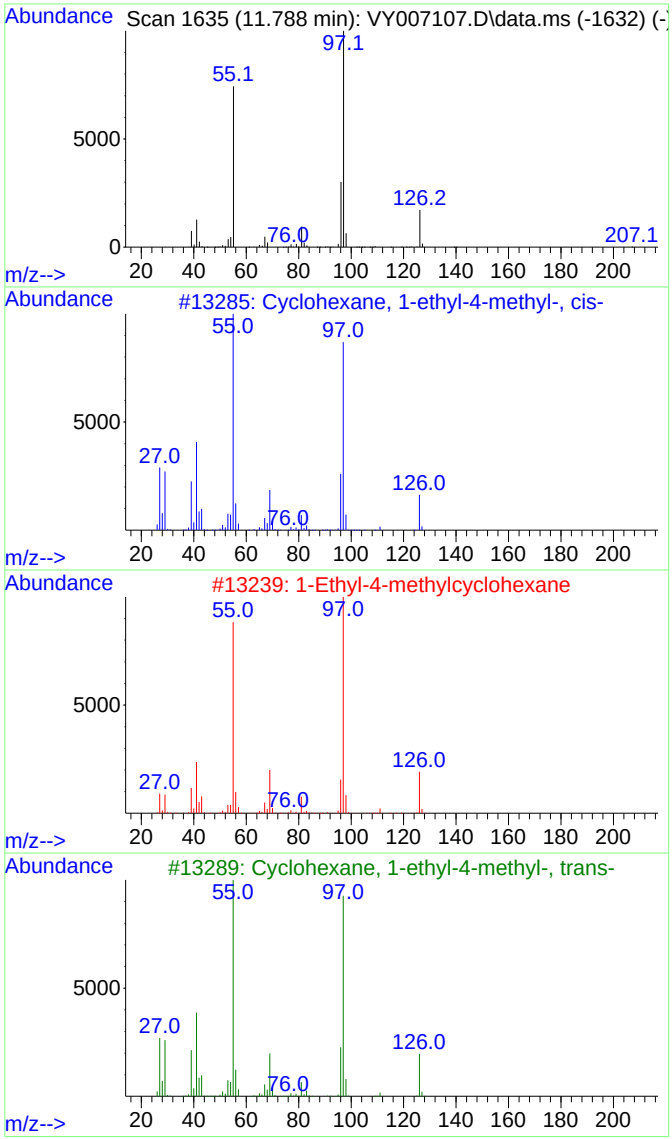
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010822S.M
Quant Title : SW846 8260

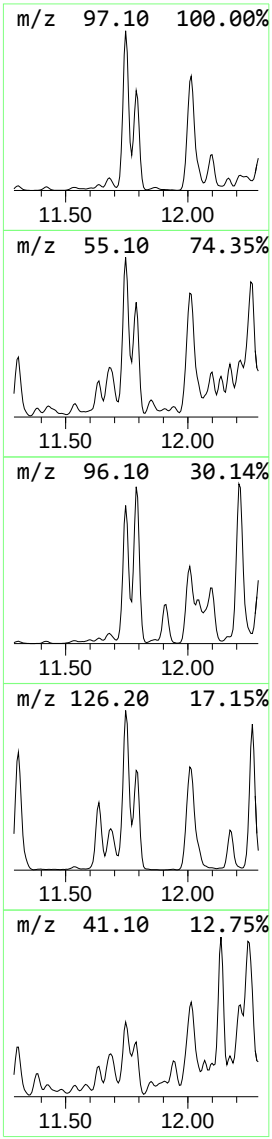
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 Cyclohexane, 1-ethyl-4-meth... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.788 | 967.64 ug/l | 9897330 | Chlorobenzene-d5 | 11.496 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, 1-ethyl-4-methyl-, ... | 126 | C9H18 | 004926-78-7 | 90 |
| 2 | 1-Ethyl-4-methylcyclohexane | 126 | C9H18 | 003728-56-1 | 87 |
| 3 | Cyclohexane, 1-ethyl-4-methyl-, ... | 126 | C9H18 | 006236-88-0 | 78 |
| 4 | 1-Ethyl-3-methylcyclohexane (c,t) | 126 | C9H18 | 003728-55-0 | 64 |
| 5 | Cyclopentane, 1-hydroxymethyl-1,... | 128 | C8H16O | 1000156-73-8 | 64 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011022\
Data File : VY007107.D
Acq On : 10 Jan 2022 17:23
Operator : SY/MD
Sample : N1066-01
Misc : 7.23g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
DB-5-(9-9.5)-1-5-22

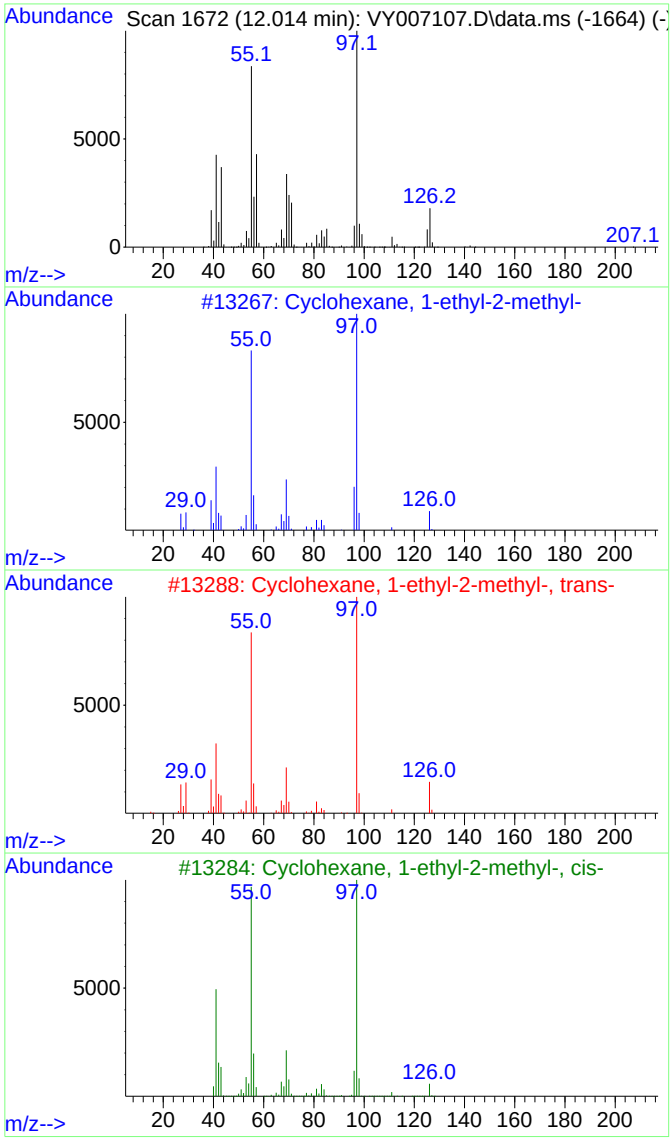
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010822S.M
Quant Title : SW846 8260

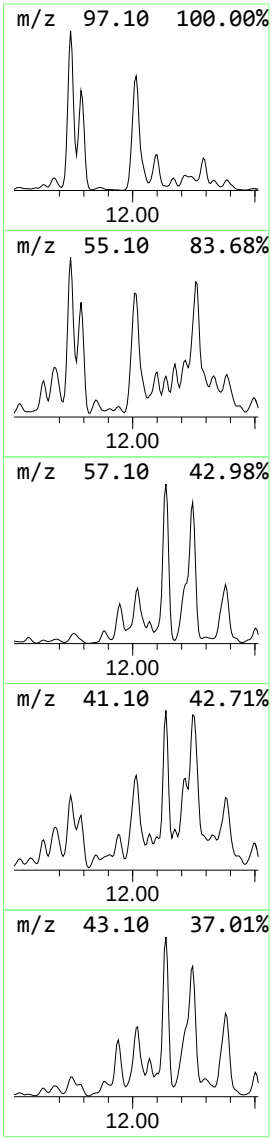
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 Cyclohexane, 1-ethyl-2-methyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.014 | 2235.28 ug/l | 22863300 | Chlorobenzene-d5 | 11.496 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, 1-ethyl-2-methyl- | 126 | C9H18 | 003728-54-9 | 58 |
| 2 | Cyclohexane, 1-ethyl-2-methyl-, ... | 126 | C9H18 | 004923-78-8 | 58 |
| 3 | Cyclohexane, 1-ethyl-2-methyl-, ... | 126 | C9H18 | 004923-77-7 | 53 |
| 4 | Cyclohexane, 1,3-dimethyl-, cis- | 112 | C8H16 | 000638-04-0 | 53 |
| 5 | 1-Ethyl-4-methylcyclohexane | 126 | C9H18 | 003728-56-1 | 52 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011022\
Data File : VY007107.D
Acq On : 10 Jan 2022 17:23
Operator : SY/MD
Sample : N1066-01
Misc : 7.23g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
DB-5-(9-9.5)-1-5-22

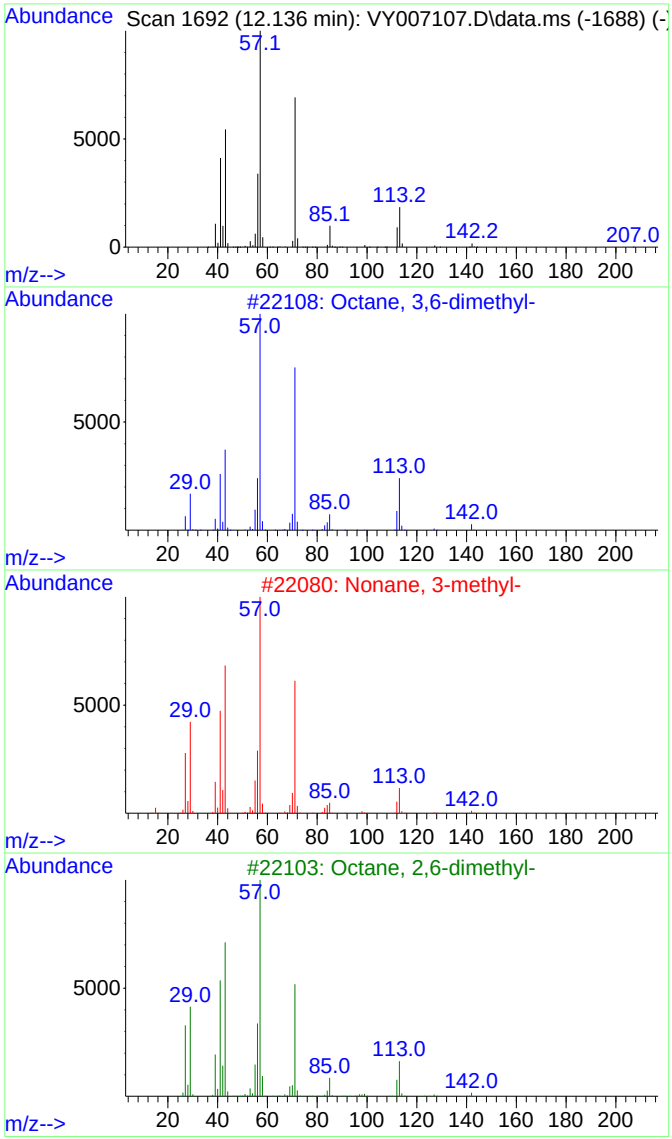
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010822S.M
Quant Title : SW846 8260

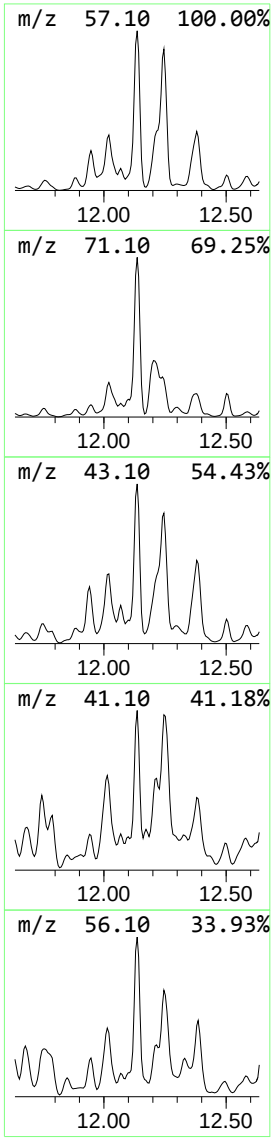
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 8 Octane, 3,6-dimethyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.136 | 1354.19 ug/l | 13851100 | Chlorobenzene-d5 | 11.496 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octane, 3,6-dimethyl- | 142 | C10H22 | 015869-94-0 | 90 |
| 2 | Nonane, 3-methyl- | 142 | C10H22 | 005911-04-6 | 90 |
| 3 | Octane, 2,6-dimethyl- | 142 | C10H22 | 002051-30-1 | 87 |
| 4 | Octane, 1,1'-oxybis- | 242 | C16H34O | 000629-82-3 | 72 |
| 5 | Sulfurous acid, 2-ethylhexyl hep... | 432 | C25H52O3S | 1000309-20-0 | 64 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011022\
Data File : VY007107.D
Acq On : 10 Jan 2022 17:23
Operator : SY/MD
Sample : N1066-01
Misc : 7.23g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
DB-5-(9-9.5)-1-5-22

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010822S.M
Quant Title : SW846 8260

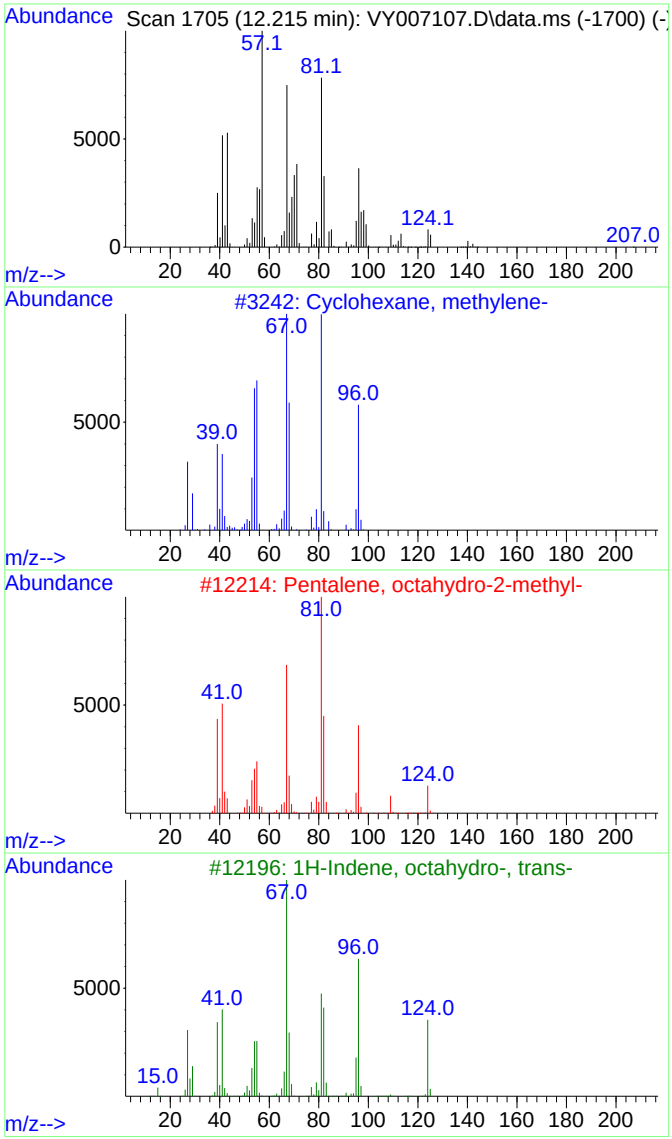
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

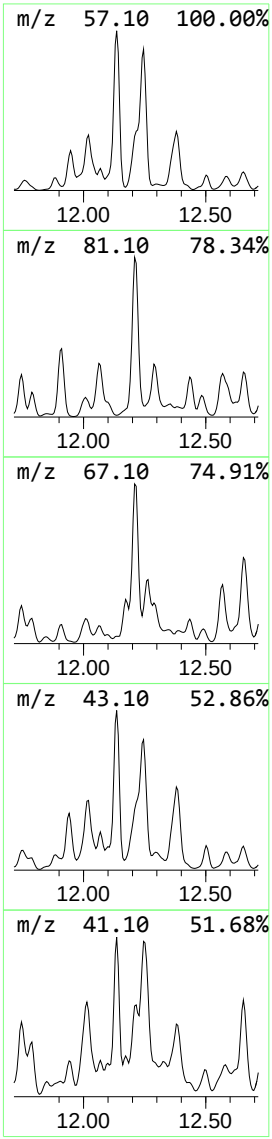
**********

Peak Number 9 unknown12.215 Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.215 | 1243.46 ug/l | 12718600 | Chlorobenzene-d5 | 11.496 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, methylene- | 96 | C7H12 | 001192-37-6 | 49 |
| 2 | Pentalene, octahydro-2-methyl- | 124 | C9H16 | 003868-64-2 | 46 |
| 3 | 1H-Indene, octahydro-, trans- | 124 | C9H16 | 003296-50-2 | 46 |
| 4 | Cyclohexene, 1-methyl- | 96 | C7H12 | 000591-49-1 | 41 |
| 5 | Cyclohexene,3-propyl- | 124 | C9H16 | 003983-06-0 | 38 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011022\
Data File : VY007107.D
Acq On : 10 Jan 2022 17:23
Operator : SY/MD
Sample : N1066-01
Misc : 7.23g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
DB-5-(9-9.5)-1-5-22

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010822S.M
Quant Title : SW846 8260

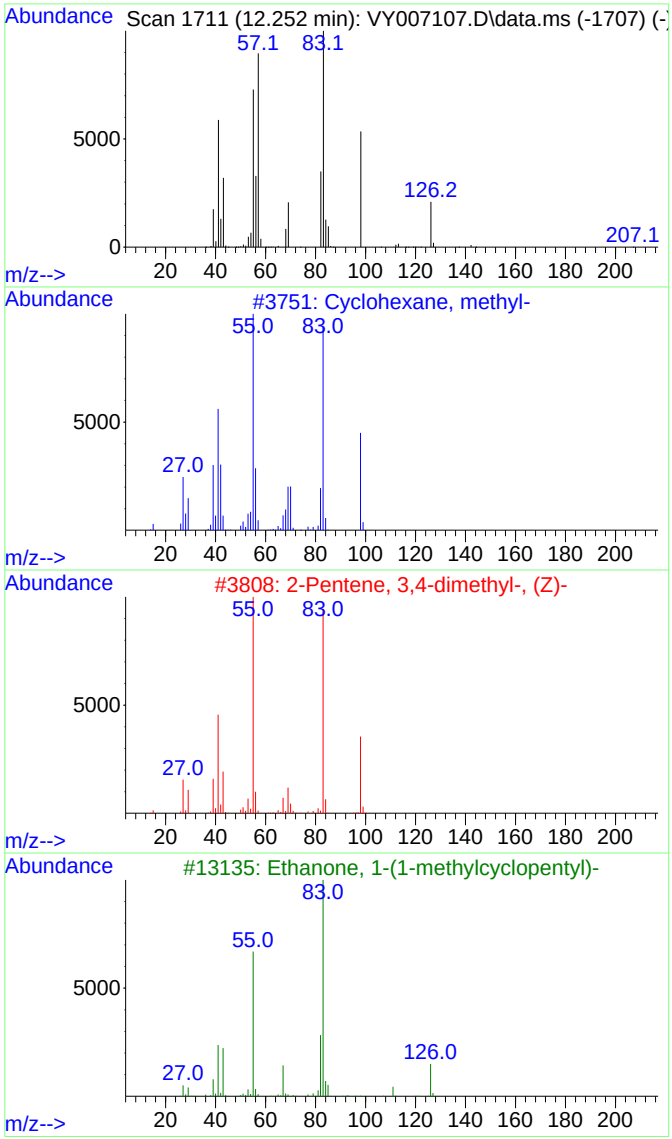
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

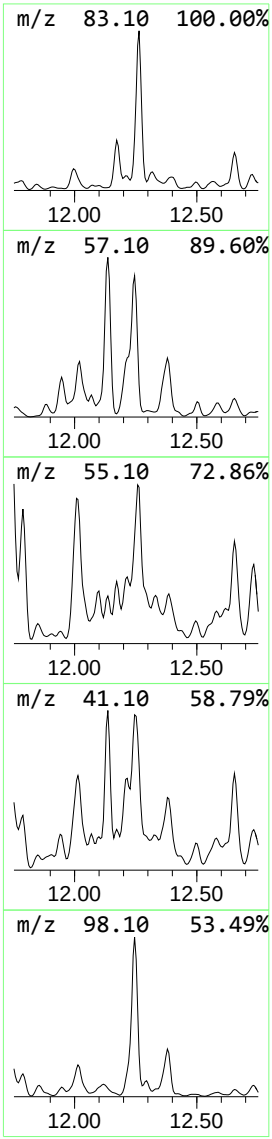
**********

Peak Number 10 unknown12.252 Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.252 | 1877.61 ug/l | 19204900 | Chlorobenzene-d5 | 11.496 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, methyl- | 98 | C7H14 | 000108-87-2 | 53 |
| 2 | 2-Pentene, 3,4-dimethyl-, (Z)- | 98 | C7H14 | 004914-91-4 | 49 |
| 3 | Ethanone, 1-(1-methylcyclopentyl)- | 126 | C8H14O | 013388-93-7 | 49 |
| 4 | 3,3-Dimethylcyclohexanone | 126 | C8H14O | 002979-19-3 | 47 |
| 5 | Cyclohexane, propyl- | 126 | C9H18 | 001678-92-8 | 46 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011022\
Data File : VY007107.D
Acq On : 10 Jan 2022 17:23
Operator : SY/MD
Sample : N1066-01
Misc : 7.23g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
DB-5-(9-9.5)-1-5-22

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010822S.M
Quant Title : SW846 8260

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

| | | | | | --Internal Standard--- | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Heptane, 2,6-di... | 10.813 | 987.3 | ug/l | 10097900 | 3 | 11.496 | 511418 | 50.0 |
| Cyclohexane, 1,... | 11.099 | 1897.3 | ug/l | 19406000 | 3 | 11.496 | 511418 | 50.0 |
| Heptane, 2,3-di... | 11.215 | 935.5 | ug/l | 9568230 | 3 | 11.496 | 511418 | 50.0 |
| Cyclohexane, 1,... | 11.307 | 985.9 | ug/l | 10084000 | 3 | 11.496 | 511418 | 50.0 |
| 1-Ethyl-3-methy... | 11.746 | 1351.5 | ug/l | 13823200 | 3 | 11.496 | 511418 | 50.0 |
| Cyclohexane, 1-... | 11.788 | 967.6 | ug/l | 9897330 | 3 | 11.496 | 511418 | 50.0 |
| Cyclohexane, 1-... | 12.014 | 2235.3 | ug/l | 22863300 | 3 | 11.496 | 511418 | 50.0 |
| Octane, 3,6-dim... | 12.136 | 1354.2 | ug/l | 13851100 | 3 | 11.496 | 511418 | 50.0 |
| unknown12.215 | 12.215 | 1243.5 | ug/l | 12718600 | 3 | 11.496 | 511418 | 50.0 |
| unknown12.252 | 12.252 | 1877.6 | ug/l | 19204900 | 3 | 11.496 | 511418 | 50.0 |