LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020123\
Data File : VY012446.D
Acq On : 01 Feb 2023 16:49
Operator : KP/MD
Sample : 01383-01
Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
0042

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\82Y011623S.M
Title : SW846 8260

Signal : TIC: VY012446.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.948 | 336 | 349 | 383 | rBV | 11981662 | 34716253 | 47.95% | 7.844% |
| 2 | 7.533 | 921 | 937 | 958 | rBV | 695468 | 2001905 | 2.76% | 0.452% |
| 3 | 7.771 | 958 | 976 | 986 | rBV | 14271362 | 34718510 | 47.95% | 7.844% |
| 4 | 7.880 | 986 | 994 | 1004 | rVB | 4565710 | 11167014 | 15.42% | 2.523% |
| 5 | 8.014 | 1004 | 1016 | 1032 | rBV | 23612602 | 56416380 | 77.92% | 12.746% |
| 6 | 8.277 | 1047 | 1059 | 1065 | rBV2 | 3514736 | 8851949 | 12.23% | 2.000% |
| 7 | 8.350 | 1065 | 1071 | 1077 | rVV2 | 1362406 | 3582539 | 4.95% | 0.809% |
| 8 | 8.423 | 1077 | 1083 | 1094 | rVB | 1501364 | 3345855 | 4.62% | 0.756% |
| 9 | 8.563 | 1094 | 1106 | 1120 | rBV | 33669849 | 72406584 | 100.00% | 16.359% |
| 10 | 9.008 | 1163 | 1179 | 1190 | rVB | 909349 | 1881734 | 2.60% | 0.425% |
| 11 | 9.185 | 1193 | 1208 | 1214 | rBV2 | 5374610 | 13225717 | 18.27% | 2.988% |
| 12 | 9.246 | 1214 | 1218 | 1223 | rVB | 1274973 | 2184535 | 3.02% | 0.494% |
| 13 | 9.374 | 1232 | 1239 | 1245 | rVB | 1667544 | 3091873 | 4.27% | 0.699% |
| 14 | 9.618 | 1271 | 1279 | 1289 | rVB | 729836 | 1497574 | 2.07% | 0.338% |
| 15 | 9.752 | 1289 | 1301 | 1307 | rBV3 | 911553 | 2188185 | 3.02% | 0.494% |
| 16 | 9.819 | 1307 | 1312 | 1316 | rBV | 1272656 | 2256783 | 3.12% | 0.510% |
| 17 | 9.959 | 1325 | 1335 | 1346 | rBV | 1221026 | 2809859 | 3.88% | 0.635% |
| 18 | 10.069 | 1346 | 1353 | 1357 | rBV | 822172 | 1531542 | 2.12% | 0.346% |
| 19 | 10.118 | 1357 | 1361 | 1365 | rVB | 503180 | 851139 | 1.18% | 0.192% |
| 20 | 10.179 | 1365 | 1371 | 1375 | rBV2 | 1433900 | 2577885 | 3.56% | 0.582% |
| 21 | 10.246 | 1375 | 1382 | 1389 | rVB | 14136898 | 24957810 | 34.47% | 5.639% |
| 22 | 10.374 | 1395 | 1403 | 1409 | rVB | 3246654 | 5761428 | 7.96% | 1.302% |
| 23 | 10.526 | 1423 | 1428 | 1436 | rVB | 482624 | 908830 | 1.26% | 0.205% |
| 24 | 10.618 | 1436 | 1443 | 1450 | rBV3 | 778068 | 1774441 | 2.45% | 0.401% |
| 25 | 10.807 | 1464 | 1474 | 1478 | rBV | 721599 | 1272757 | 1.76% | 0.288% |
| 26 | 10.904 | 1485 | 1490 | 1497 | rBV2 | 517821 | 1149552 | 1.59% | 0.260% |
| 27 | 10.971 | 1497 | 1501 | 1504 | rVV2 | 467475 | 735793 | 1.02% | 0.166% |
| 28 | 11.038 | 1508 | 1512 | 1516 | rVV | 1202810 | 1884906 | 2.60% | 0.426% |
| 29 | 11.093 | 1516 | 1521 | 1527 | rVB | 1087172 | 1914039 | 2.64% | 0.432% |
| 30 | 11.209 | 1534 | 1540 | 1543 | rBV2 | 647823 | 1170289 | 1.62% | 0.264% |
| 31 | 11.282 | 1543 | 1552 | 1563 | rVB5 | 2551372 | 6372691 | 8.80% | 1.440% |
| 32 | 11.380 | 1563 | 1568 | 1573 | rBV | 1981309 | 3232693 | 4.46% | 0.730% |
| 33 | 11.593 | 1596 | 1603 | 1612 | rBV | 5256879 | 8995542 | 12.42% | 2.032% |
| 34 | 11.703 | 1612 | 1621 | 1631 | rVV2 | 17584217 | 38912893 | 53.74% | 8.792% |
| 35 | 11.782 | 1631 | 1634 | 1639 | rVB | 1043619 | 1594985 | 2.20% | 0.360% |
| 36 | 12.032 | 1663 | 1675 | 1683 | rBV | 6647861 | 13977863 | 19.30% | 3.158% |

LSC Area Percent Report

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Data File : VY012446.D
Acq On : 01 Feb 2023 16:49
Operator : KP/MD
Sample : 01383-01
Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
0042

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\82Y011623S.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 12.130 | 1686 | 1691 | 1695 | rVV2 | 1406804 | 2333897 | 3.22% | 0.527% |
| 38 | 12.203 | 1699 | 1703 | 1706 | rVV2 | 1054589 | 1853705 | 2.56% | 0.419% |
| 39 | 12.245 | 1706 | 1710 | 1719 | rVV4 | 1573621 | 3699618 | 5.11% | 0.836% |
| 40 | 12.331 | 1719 | 1724 | 1728 | rVV2 | 1001607 | 1804073 | 2.49% | 0.408% |
| 41 | 12.380 | 1728 | 1732 | 1735 | rVV3 | 538526 | 1198583 | 1.66% | 0.271% |
| 42 | 12.416 | 1735 | 1738 | 1740 | rVV | 1065175 | 1537371 | 2.12% | 0.347% |
| 43 | 12.441 | 1740 | 1742 | 1746 | rVB | 927047 | 1082008 | 1.49% | 0.244% |
| 44 | 12.526 | 1753 | 1756 | 1760 | rBV | 752134 | 910135 | 1.26% | 0.206% |
| 45 | 12.672 | 1772 | 1780 | 1784 | rVB | 1379034 | 2828152 | 3.91% | 0.639% |
| 46 | 12.733 | 1784 | 1790 | 1794 | rVV | 3658456 | 6297096 | 8.70% | 1.423% |
| 47 | 12.770 | 1794 | 1796 | 1798 | rVV | 1883038 | 2391071 | 3.30% | 0.540% |
| 48 | 12.806 | 1798 | 1802 | 1808 | rVV2 | 6081147 | 10054601 | 13.89% | 2.272% |
| 49 | 12.861 | 1808 | 1811 | 1816 | rVB2 | 640844 | 949450 | 1.31% | 0.215% |
| 50 | 12.971 | 1822 | 1829 | 1834 | rBV | 1282241 | 2490885 | 3.44% | 0.563% |
| 51 | 13.044 | 1837 | 1841 | 1847 | rVB | 1135975 | 1895760 | 2.62% | 0.428% |
| 52 | 13.123 | 1847 | 1854 | 1859 | rBV | 3908404 | 6037728 | 8.34% | 1.364% |
| 53 | 13.251 | 1868 | 1875 | 1879 | rVB4 | 456148 | 912977 | 1.26% | 0.206% |
| 54 | 13.318 | 1879 | 1886 | 1890 | rBV4 | 946947 | 1909359 | 2.64% | 0.431% |
| 55 | 13.459 | 1906 | 1909 | 1913 | rVB | 859933 | 1209407 | 1.67% | 0.273% |
| 56 | 13.526 | 1913 | 1920 | 1928 | rBV | 1976545 | 3404295 | 4.70% | 0.769% |
| 57 | 13.623 | 1929 | 1936 | 1940 | rBV2 | 1170542 | 1809818 | 2.50% | 0.409% |
| 58 | 13.672 | 1940 | 1944 | 1947 | rBV3 | 517278 | 828346 | 1.14% | 0.187% |
| 59 | 13.751 | 1952 | 1957 | 1962 | rBV | 2400520 | 3498659 | 4.83% | 0.790% |
| 60 | 13.824 | 1966 | 1969 | 1976 | rVV | 372900 | 760065 | 1.05% | 0.172% |
| 61 | 13.916 | 1981 | 1984 | 1989 | rVV2 | 525073 | 825444 | 1.14% | 0.186% |
| 62 | 13.971 | 1989 | 1993 | 1998 | rVB | 670871 | 932971 | 1.29% | 0.211% |
| 63 | 14.080 | 2006 | 2011 | 2016 | rVB | 598244 | 918929 | 1.27% | 0.208% |
| 64 | 14.611 | 2094 | 2098 | 2103 | rVB | 891901 | 1254302 | 1.73% | 0.283% |
| 65 | 14.684 | 2103 | 2110 | 2115 | rVV4 | 470234 | 1055511 | 1.46% | 0.238% |

Sum of corrected areas: 442604543

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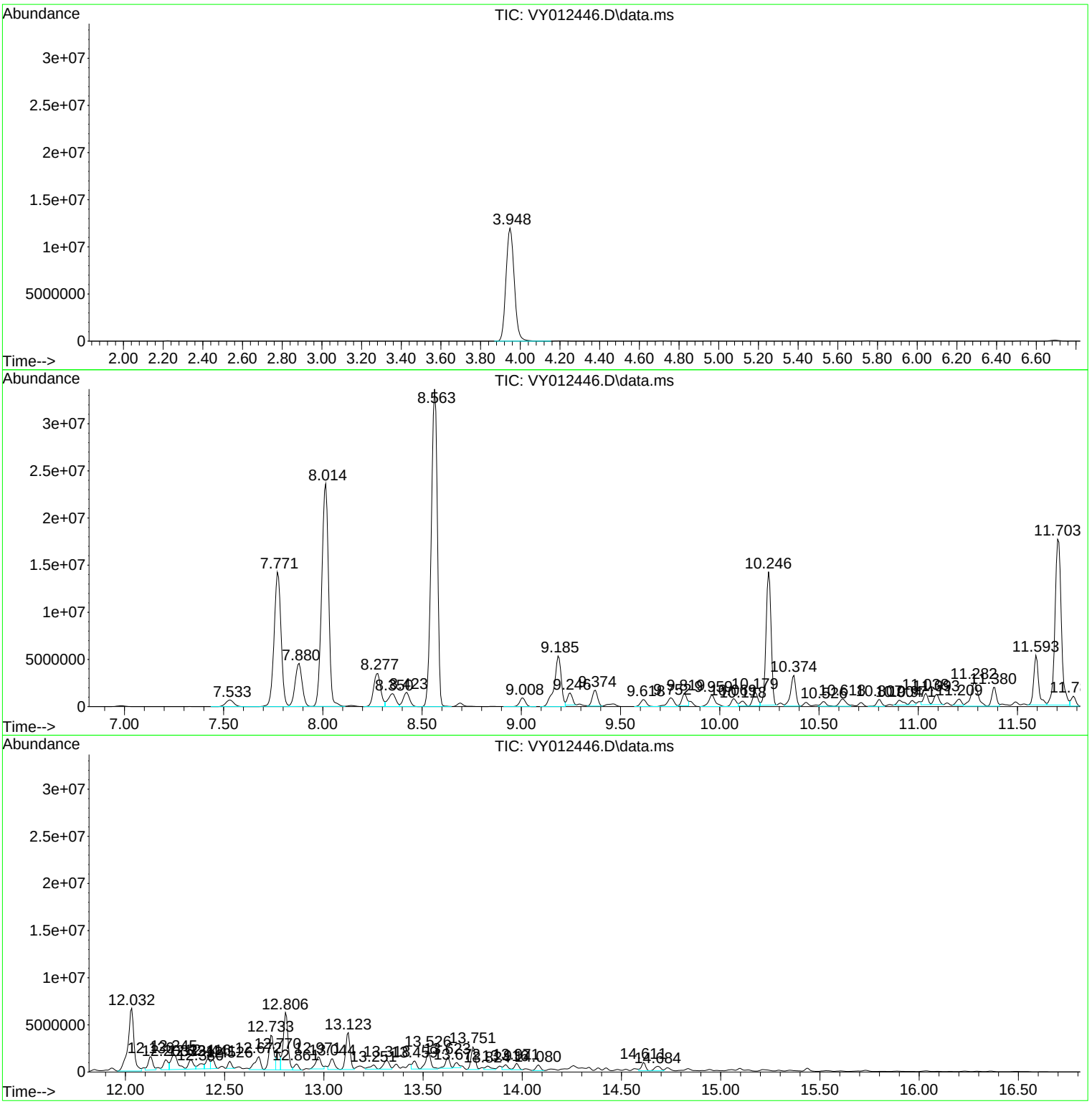
Sample : 01383-01
Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
0042

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020123\
Data File : VY012446.D
Acq On : 01 Feb 2023 16:49
Operator : KP/MD
Sample : 01383-01
Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
Quant Title : SW846 8260

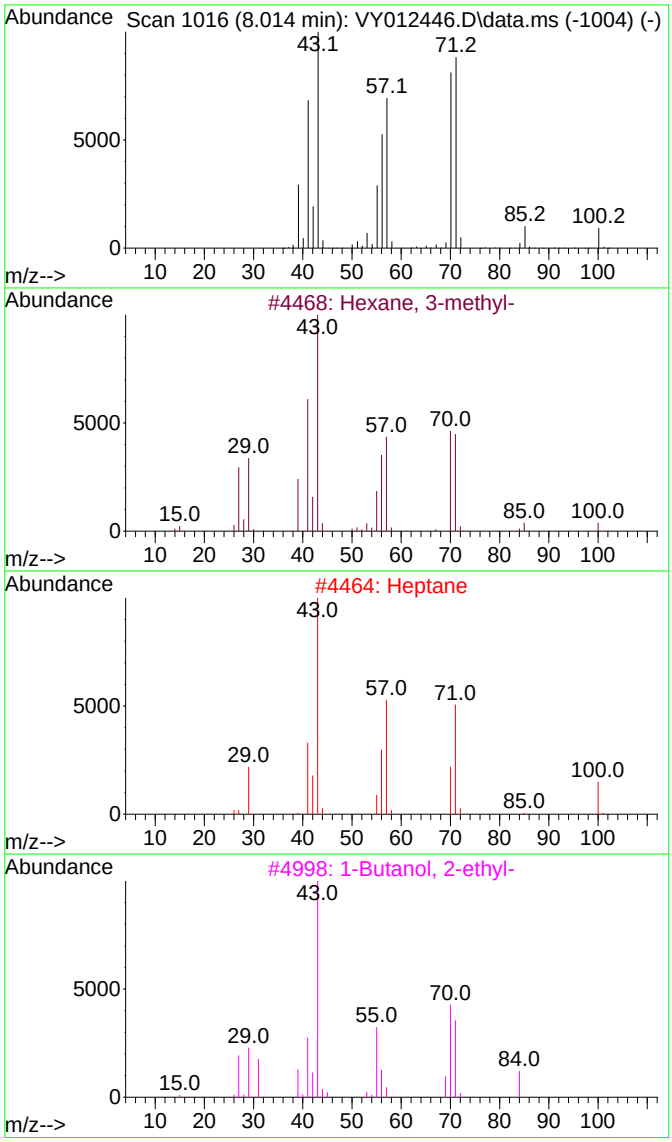
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

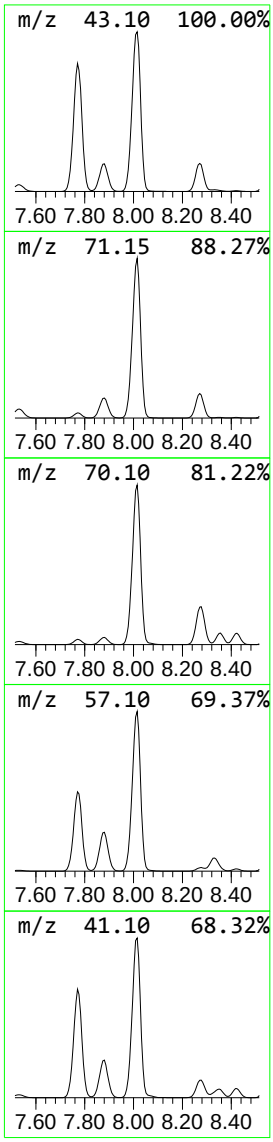
**********

Peak Number 1 Hexane, 3-methyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.014 | 81.25 ug/l | 56416400 | Pentafluorobenzene | 7.795 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexane, 3-methyl- | 100 | C7H16 | 000589-34-4 | 95 |
| 2 | Heptane | 100 | C7H16 | 000142-82-5 | 62 |
| 3 | 1-Butanol, 2-ethyl- | 102 | C6H14O | 000097-95-0 | 59 |
| 4 | Hexane, 2,3-dimethyl- | 114 | C8H18 | 000584-94-1 | 59 |
| 5 | Hexane, 3,3,4-trimethyl- | 128 | C9H20 | 016747-31-2 | 59 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020123\
Data File : VY012446.D
Acq On : 01 Feb 2023 16:49
Operator : KP/MD
Sample : 01383-01
Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
0042

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
Quant Title : SW846 8260

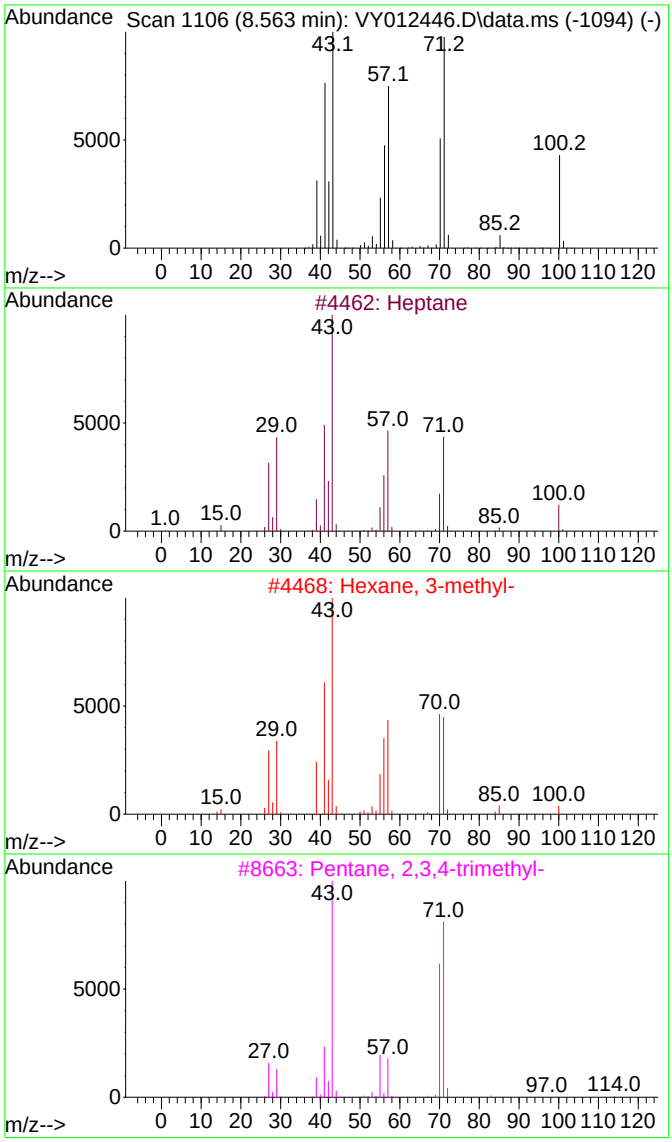
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

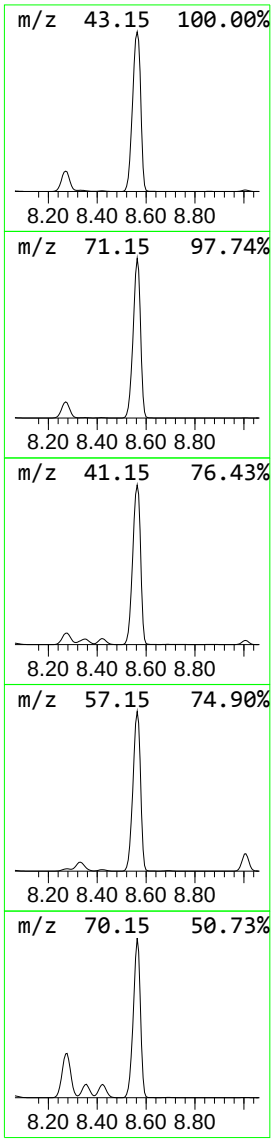
**********

Peak Number 2 Heptane Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.563 | 50.00 ug/l | 72406600 | 1,4-Difluorobenzene | 8.691 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptane | 100 | C7H16 | 000142-82-5 | 91 |
| 2 | Hexane, 3-methyl- | 100 | C7H16 | 000589-34-4 | 50 |
| 3 | Pentane, 2,3,4-trimethyl- | 114 | C8H18 | 000565-75-3 | 47 |
| 4 | Heptane, 3,3,4-trimethyl- | 142 | C10H22 | 020278-87-9 | 47 |
| 5 | Butane, 2,2-dimethyl- | 86 | C6H14 | 000075-83-2 | 43 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020123\
Data File : VY012446.D
Acq On : 01 Feb 2023 16:49
Operator : KP/MD
Sample : 01383-01
Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
0042

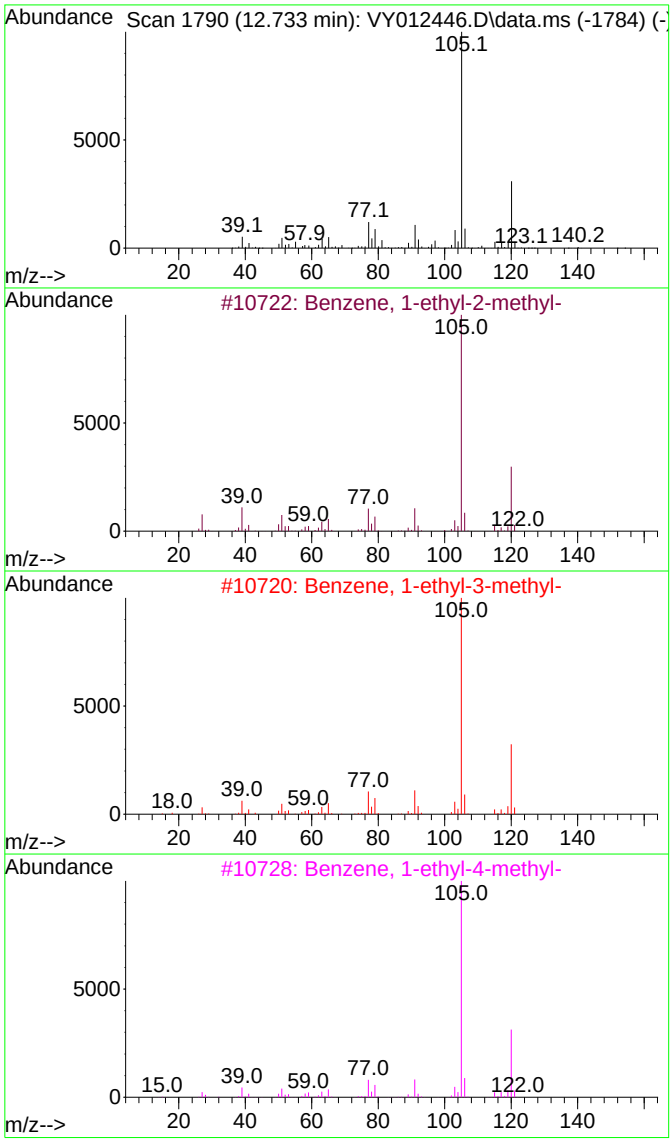
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
Quant Title : SW846 8260

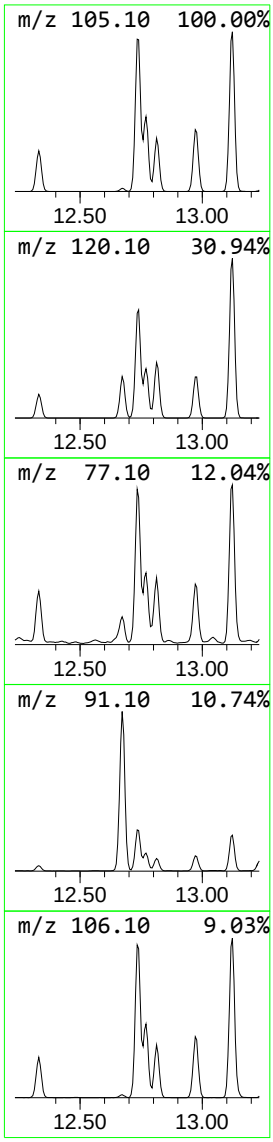
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 Benzene, 1-ethyl-2-methyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.733 | 260.34 ug/l | 6297100 | 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 | 95 |
| 2 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 95 |
| 3 | Benzene, 1-ethyl-4-methyl- | 120 | C9H12 | 000622-96-8 | 90 |
| 4 | Mesitylene | 120 | C9H12 | 000108-67-8 | 90 |
| 5 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 90 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020123\
Data File : VY012446.D
Acq On : 01 Feb 2023 16:49
Operator : KP/MD
Sample : 01383-01
Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
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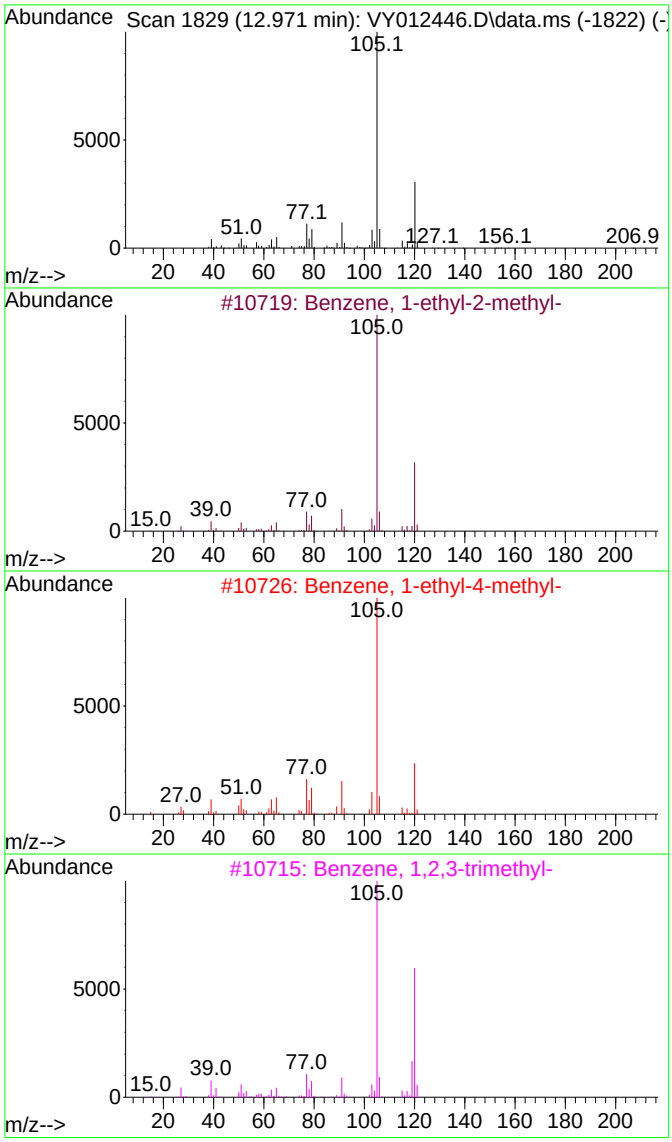
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
Quant Title : SW846 8260

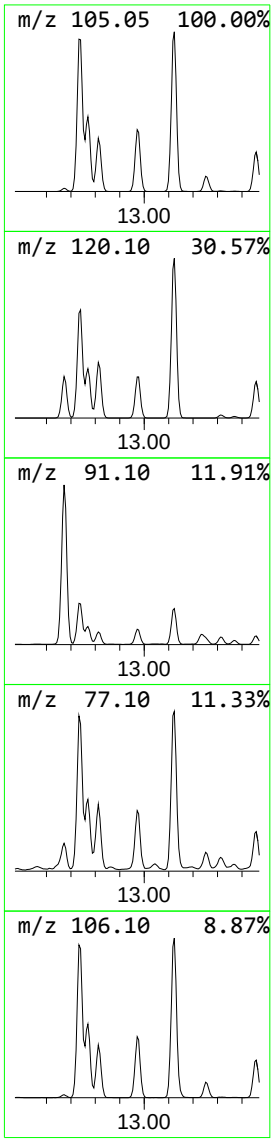
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.971 | 102.98 ug/l | 2490890 | 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-ethyl-4-methyl- | 120 | C9H12 | 000622-96-8 | 93 |
| 3 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 90 |
| 4 | Mesitylene | 120 | C9H12 | 000108-67-8 | 90 |
| 5 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 90 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020123\
Data File : VY012446.D
Acq On : 01 Feb 2023 16:49
Operator : KP/MD
Sample : 01383-01
Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
0042

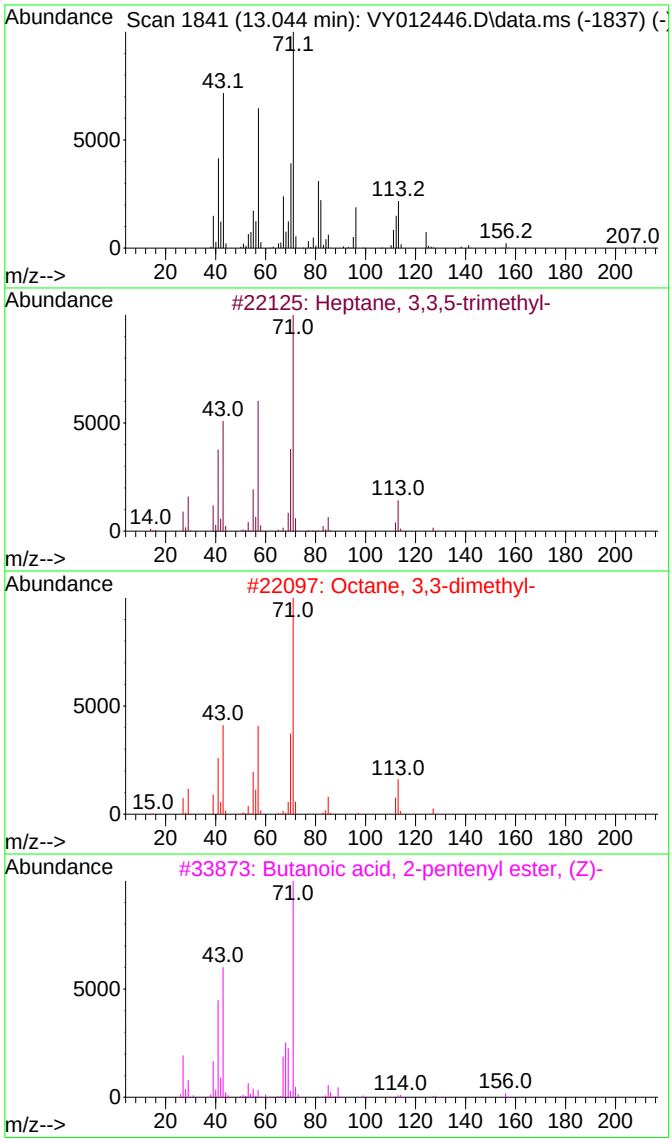
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
Quant Title : SW846 8260

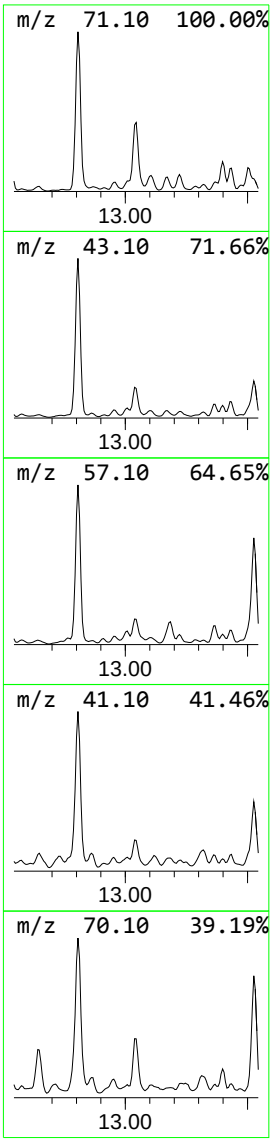
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 Heptane, 3,3,5-trimethyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.044 | 78.38 ug/l | 1895760 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptane, 3,3,5-trimethyl- | 142 | C10H22 | 007154-80-5 | 58 |
| 2 | Octane, 3,3-dimethyl- | 142 | C10H22 | 004110-44-5 | 53 |
| 3 | Butanoic acid, 2-pentenyl ester,... | 156 | C9H16O2 | 042125-13-3 | 43 |
| 4 | n-Amyl ether | 158 | C10H22O | 000693-65-2 | 43 |
| 5 | Trans-3-methylpent-3-ene-5-ol | 100 | C6H12O | 030801-95-7 | 38 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020123\
Data File : VY012446.D
Acq On : 01 Feb 2023 16:49
Operator : KP/MD
Sample : 01383-01
Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
0042

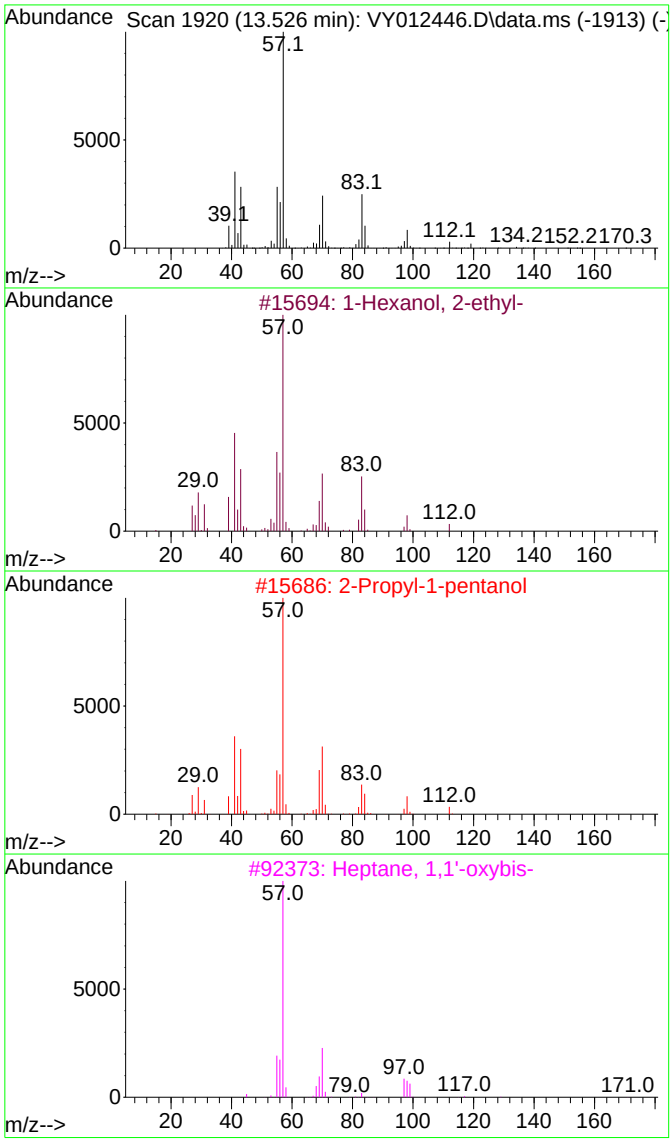
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
Quant Title : SW846 8260

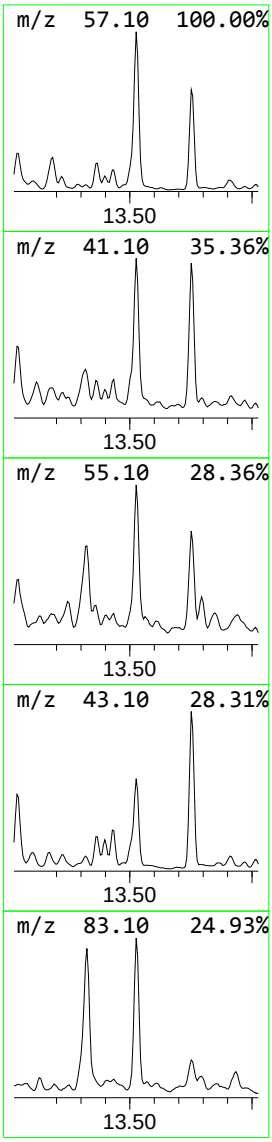
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 1-Hexanol, 2-ethyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.526 | 140.74 ug/l | 3404300 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Hexanol, 2-ethyl- | 130 | C8H18O | 000104-76-7 | 83 |
| 2 | 2-Propyl-1-pentanol | 130 | C8H18O | 058175-57-8 | 50 |
| 3 | Heptane, 1,1'-oxybis- | 214 | C14H30O | 000629-64-1 | 50 |
| 4 | 1-Pentanol, 2-ethyl-4-methyl- | 130 | C8H18O | 000106-67-2 | 50 |
| 5 | Decanal | 156 | C10H20O | 000112-31-2 | 43 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020123\
Data File : VY012446.D
Acq On : 01 Feb 2023 16:49
Operator : KP/MD
Sample : 01383-01
Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
0042

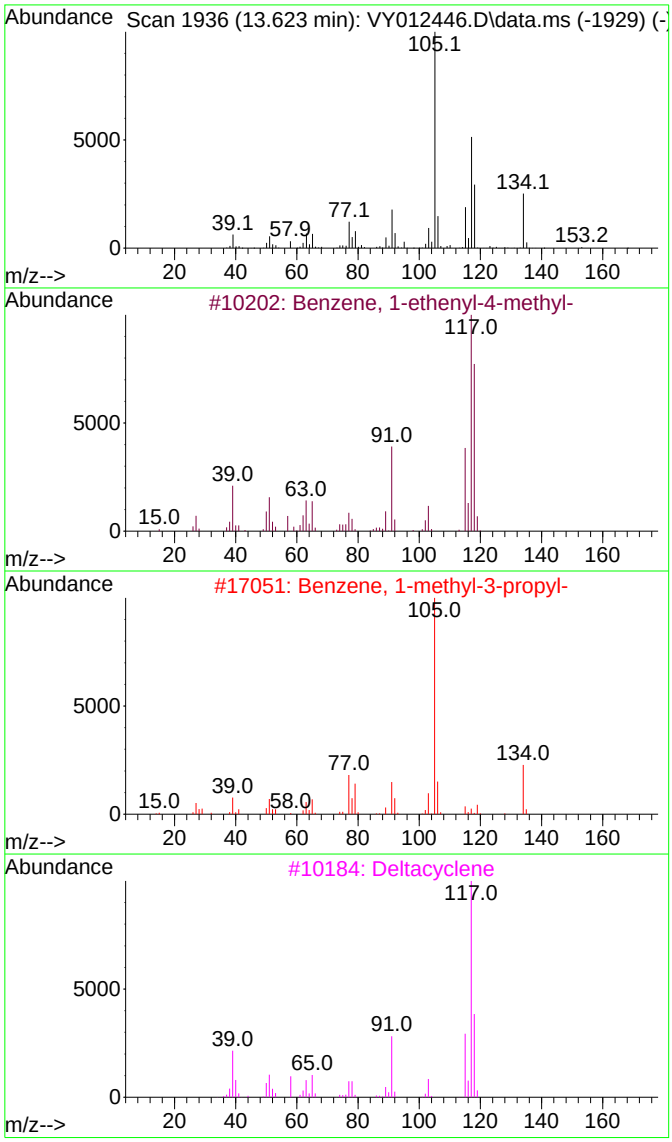
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
Quant Title : SW846 8260

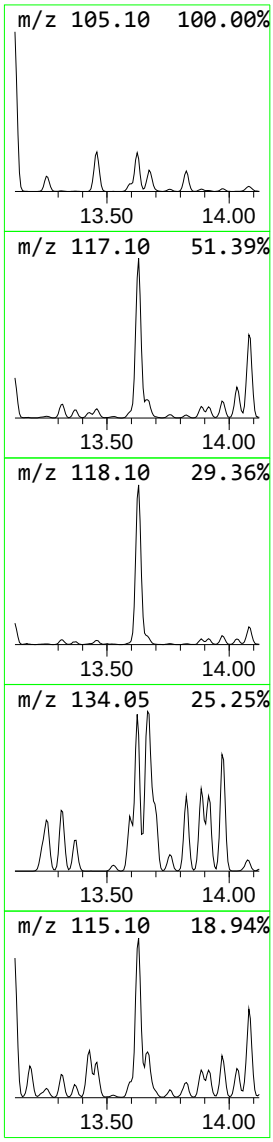
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 Benzene, 1-ethenyl-4-methyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.623 | 74.82 ug/l | 1809820 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethenyl-4-methyl- | 118 | C9H10 | 000622-97-9 | 55 |
| 2 | Benzene, 1-methyl-3-propyl- | 134 | C10H14 | 001074-43-7 | 50 |
| 3 | Deltacyclene | 118 | C9H10 | 007785-10-6 | 49 |
| 4 | Benzene, 1-propenyl- | 118 | C9H10 | 000637-50-3 | 46 |
| 5 | Benzene, (1-methylpropyl)- | 134 | C10H14 | 000135-98-8 | 46 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020123\
Data File : VY012446.D
Acq On : 01 Feb 2023 16:49
Operator : KP/MD
Sample : 01383-01
Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
0042

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
Quant Title : SW846 8260

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

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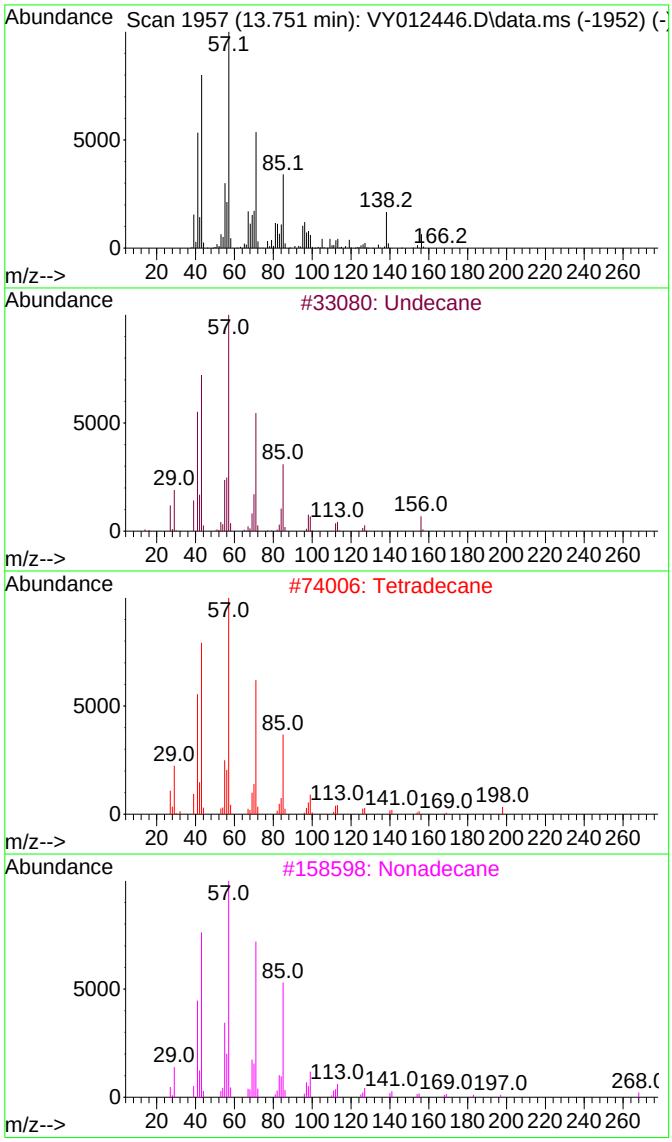
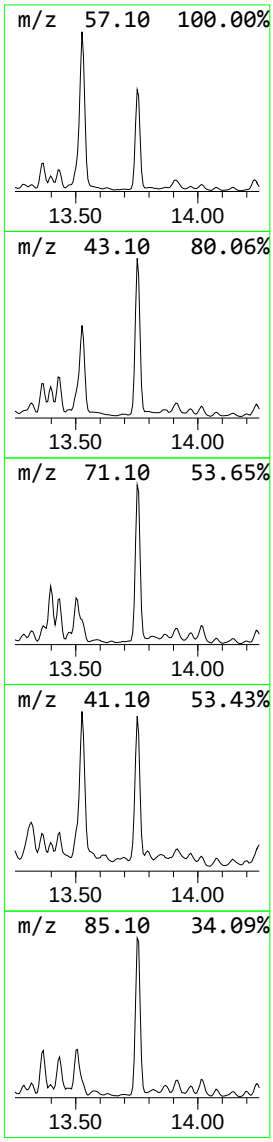
Peak Number 8 Undecane Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.751 | 144.64 ug/l | 3498660 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Undecane | 156 | C11H24 | 001120-21-4 | 96 |
| 2 | Tetradecane | 198 | C14H30 | 000629-59-4 | 58 |
| 3 | Nonadecane | 268 | C19H40 | 000629-92-5 | 53 |
| 4 | Decane | 142 | C10H22 | 000124-18-5 | 53 |
| 5 | Carbonic acid, nonyl vinyl ester | 214 | C12H22O3 | 1000383-25-6 | 52 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020123\
Data File : VY012446.D
Acq On : 01 Feb 2023 16:49
Operator : KP/MD
Sample : 01383-01
Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
0042

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
Quant Title : SW846 8260

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

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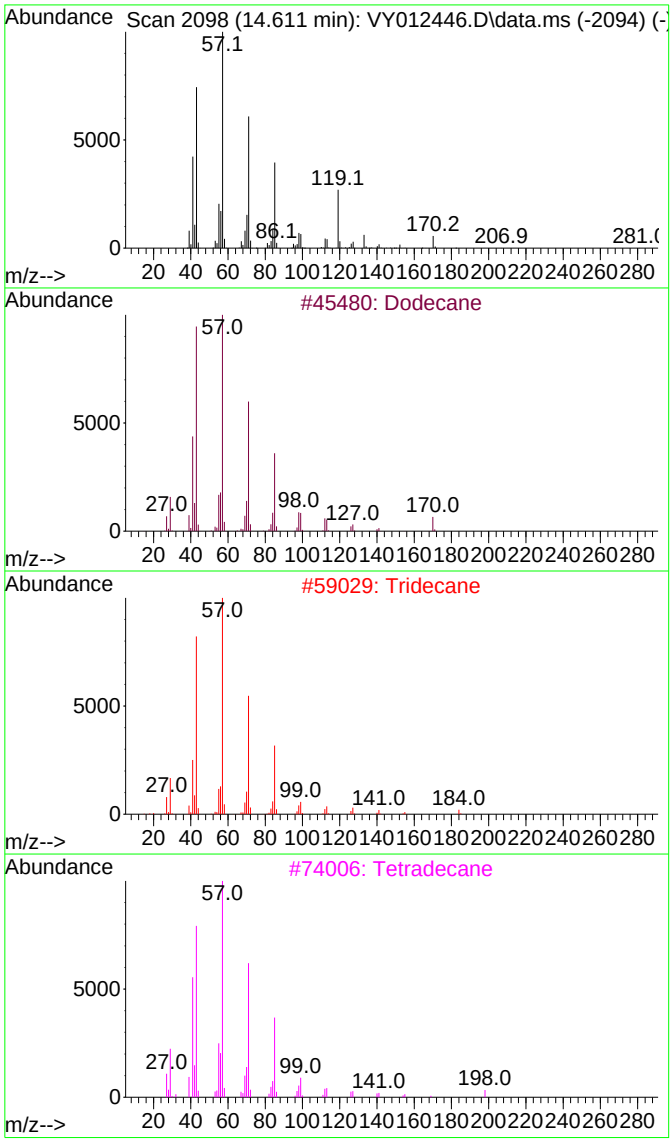
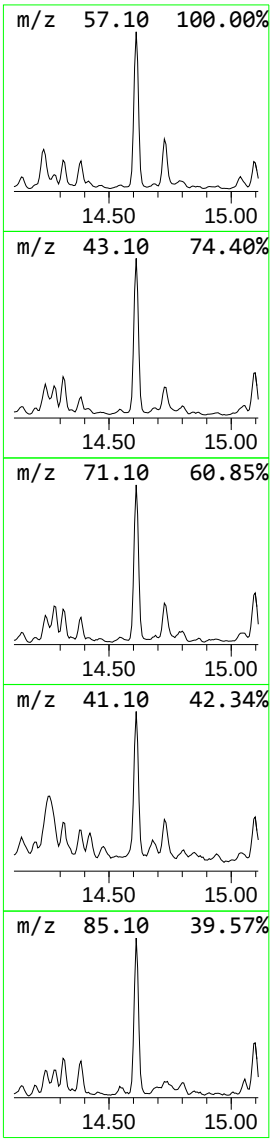
Peak Number 9 Dodecane Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.611 | 51.86 ug/l | 1254300 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dodecane | 170 | C12H26 | 000112-40-3 | 96 |
| 2 | Tridecane | 184 | C13H28 | 000629-50-5 | 72 |
| 3 | Tetradecane | 198 | C14H30 | 000629-59-4 | 72 |
| 4 | Carbonic acid, tetradecyl vinyl ... | 284 | C17H32O3 | 1000382-54-5 | 72 |
| 5 | Carbonic acid, dodecyl vinyl ester | 256 | C15H28O3 | 1000382-54-8 | 64 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020123\
Data File : VY012446.D
Acq On : 01 Feb 2023 16:49
Operator : KP/MD
Sample : 01383-01
Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
0042

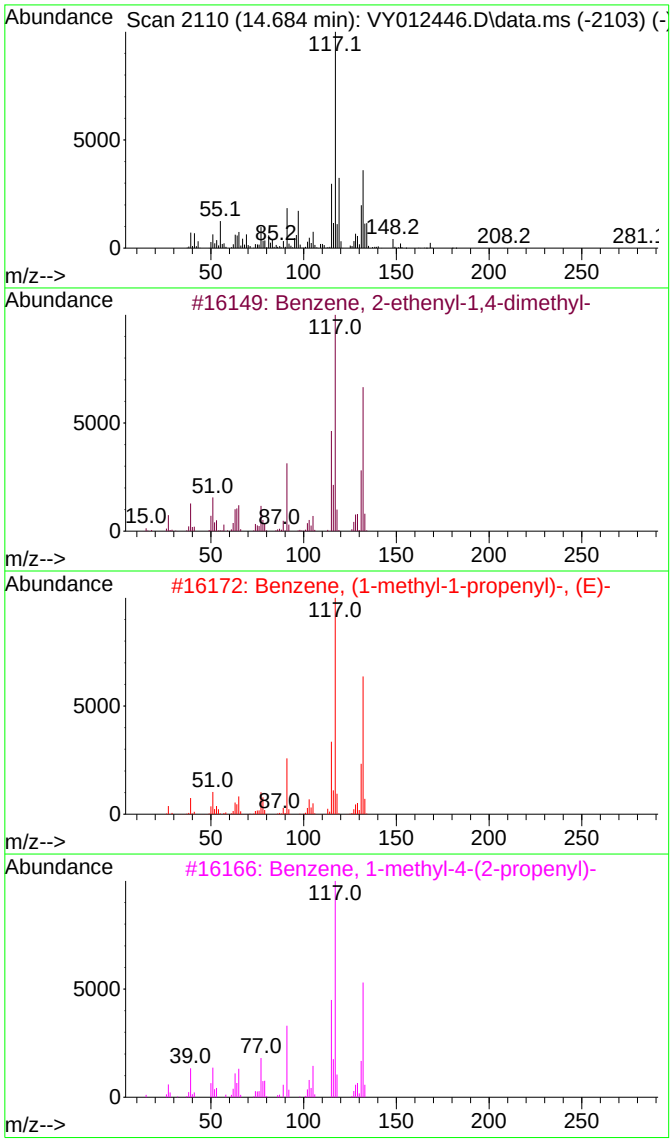
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
Quant Title : SW846 8260

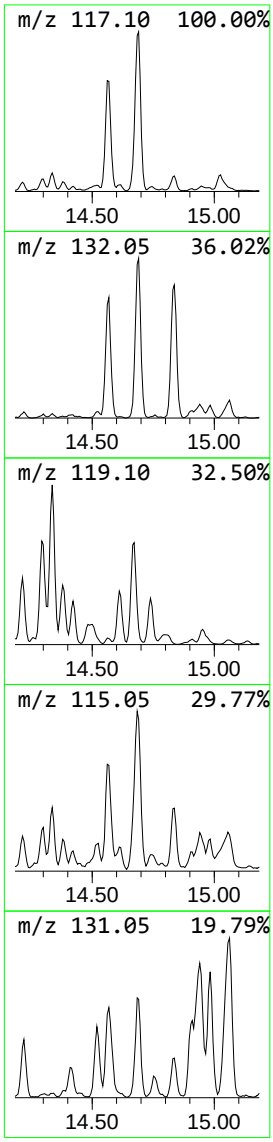
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 10 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.684 | 43.64 ug/l | 1055510 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12 | 002039-89-6 | 92 |
| 2 | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12 | 000768-00-3 | 89 |
| 3 | Benzene, 1-methyl-4-(2-propenyl)- | 132 | C10H12 | 003333-13-9 | 86 |
| 4 | 3-Phenylbut-1-ene | 132 | C10H12 | 000934-10-1 | 76 |
| 5 | Benzene, 1-ethenyl-4-ethyl- | 132 | C10H12 | 003454-07-7 | 70 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020123\
Data File : VY012446.D
Acq On : 01 Feb 2023 16:49
Operator : KP/MD
Sample : 01383-01
Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
0042

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.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 |
| Hexane, 3-methyl- | 8.014 | 81.3 | ug/l | 56416400 | 1 | 7.795 | 34718500 | 50.0 |
| Heptane | 8.563 | 50.0 | ug/l | 72406600 | 2 | 8.691 | 72406600 | 50.0 |
| Benzene, 1-ethy... | 12.733 | 260.3 | ug/l | 6297100 | 4 | 13.428 | 1209410 | 50.0 |
| Benzene, 1-ethy... | 12.971 | 103.0 | ug/l | 2490890 | 4 | 13.428 | 1209410 | 50.0 |
| Heptane, 3,3,5-... | 13.044 | 78.4 | ug/l | 1895760 | 4 | 13.428 | 1209410 | 50.0 |
| 1-Hexanol, 2-et... | 13.526 | 140.7 | ug/l | 3404300 | 4 | 13.428 | 1209410 | 50.0 |
| Benzene, 1-ethe... | 13.623 | 74.8 | ug/l | 1809820 | 4 | 13.428 | 1209410 | 50.0 |
| Undecane | 13.751 | 144.6 | ug/l | 3498660 | 4 | 13.428 | 1209410 | 50.0 |
| Dodecane | 14.611 | 51.9 | ug/l | 1254300 | 4 | 13.428 | 1209410 | 50.0 |
| Benzene, 2-ethe... | 14.684 | 43.6 | ug/l | 1055510 | 4 | 13.428 | 1209410 | 50.0 |