LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
Data File : VY016111.D
Acq On : 27 Oct 2023 18:07
Operator : SY/MD
Sample : 05107-03
Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
1073

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\82Y102623S.M
Title : SW846 8260

Signal : TIC: VY016111.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.906 | 165 | 178 | 193 | rBV | 175190 | 395755 | 1.08% | 0.180% |
| 2 | 4.765 | 462 | 483 | 507 | rBV5 | 113094 | 612096 | 1.67% | 0.278% |
| 3 | 5.753 | 631 | 645 | 662 | rBV | 232935 | 728991 | 1.99% | 0.332% |
| 4 | 6.795 | 806 | 816 | 832 | rVB | 184438 | 577493 | 1.57% | 0.263% |
| 5 | 7.783 | 970 | 978 | 987 | rVB5 | 636718 | 1870054 | 5.10% | 0.851% |
| 6 | 8.002 | 1003 | 1014 | 1020 | rBV | 260494 | 623557 | 1.70% | 0.284% |
| 7 | 8.161 | 1029 | 1040 | 1052 | rVB | 11636364 | 25921459 | 70.66% | 11.794% |
| 8 | 8.417 | 1076 | 1082 | 1094 | rVB3 | 152564 | 387739 | 1.06% | 0.176% |
| 9 | 8.545 | 1094 | 1103 | 1117 | rVB | 757757 | 1503792 | 4.10% | 0.684% |
| 10 | 8.691 | 1118 | 1127 | 1143 | rBV | 307555 | 640769 | 1.75% | 0.292% |
| 11 | 9.185 | 1192 | 1208 | 1214 | rBV | 1474015 | 3177623 | 8.66% | 1.446% |
| 12 | 9.819 | 1306 | 1312 | 1325 | rVB2 | 537818 | 1228153 | 3.35% | 0.559% |
| 13 | 9.959 | 1325 | 1335 | 1346 | rBV | 461090 | 1038099 | 2.83% | 0.472% |
| 14 | 10.179 | 1364 | 1371 | 1375 | rBV | 927976 | 1743474 | 4.75% | 0.793% |
| 15 | 10.246 | 1375 | 1382 | 1389 | rVB | 20638125 | 36684590 | 100.00% | 16.691% |
| 16 | 10.368 | 1394 | 1402 | 1409 | rVB2 | 1307863 | 2320037 | 6.32% | 1.056% |
| 17 | 10.520 | 1417 | 1427 | 1432 | rBV2 | 263276 | 569774 | 1.55% | 0.259% |
| 18 | 10.904 | 1479 | 1490 | 1497 | rBV | 197612 | 485975 | 1.32% | 0.221% |
| 19 | 11.038 | 1504 | 1512 | 1516 | rVV | 371259 | 618323 | 1.69% | 0.281% |
| 20 | 11.087 | 1516 | 1520 | 1526 | rVB | 287720 | 476567 | 1.30% | 0.217% |
| 21 | 11.276 | 1543 | 1551 | 1562 | rVB4 | 544242 | 1258785 | 3.43% | 0.573% |
| 22 | 11.380 | 1562 | 1568 | 1578 | rVB | 389289 | 654458 | 1.78% | 0.298% |
| 23 | 11.489 | 1579 | 1586 | 1591 | rBV | 441243 | 734655 | 2.00% | 0.334% |
| 24 | 11.593 | 1595 | 1603 | 1611 | rBV | 2754382 | 4390252 | 11.97% | 1.997% |
| 25 | 11.697 | 1611 | 1620 | 1631 | rBV | 12883546 | 23031888 | 62.78% | 10.479% |
| 26 | 12.026 | 1663 | 1674 | 1683 | rBV | 6793589 | 11833415 | 32.26% | 5.384% |
| 27 | 12.203 | 1693 | 1703 | 1706 | rBV5 | 229118 | 519596 | 1.42% | 0.236% |
| 28 | 12.483 | 1745 | 1749 | 1753 | rBV2 | 362790 | 515540 | 1.41% | 0.235% |
| 29 | 12.666 | 1772 | 1779 | 1784 | rVB | 433073 | 878529 | 2.39% | 0.400% |
| 30 | 12.733 | 1784 | 1790 | 1793 | rBV | 1805900 | 2758275 | 7.52% | 1.255% |
| 31 | 12.764 | 1793 | 1795 | 1798 | rVV | 687466 | 936385 | 2.55% | 0.426% |
| 32 | 12.806 | 1798 | 1802 | 1808 | rVB2 | 2576330 | 4079099 | 11.12% | 1.856% |
| 33 | 12.971 | 1821 | 1829 | 1837 | rBV | 829612 | 1662447 | 4.53% | 0.756% |
| 34 | 13.117 | 1847 | 1853 | 1858 | rVV | 4277959 | 6435795 | 17.54% | 2.928% |
| 35 | 13.166 | 1858 | 1861 | 1866 | rVV | 579238 | 858876 | 2.34% | 0.391% |
| 36 | 13.221 | 1866 | 1870 | 1878 | rVB6 | 203067 | 452063 | 1.23% | 0.206% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
Data File : VY016111.D
Acq On : 27 Oct 2023 18:07
Operator : SY/MD
Sample : 05107-03
Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
1073

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\82Y102623S.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 13.312 | 1879 | 1885 | 1890 | rBV2 | 301750 | 629950 | 1.72% | 0.287% |
| 38 | 13.453 | 1899 | 1908 | 1913 | rVV2 | 1877577 | 3466481 | 9.45% | 1.577% |
| 39 | 13.495 | 1913 | 1915 | 1923 | rVB3 | 258815 | 385833 | 1.05% | 0.176% |
| 40 | 13.623 | 1932 | 1936 | 1939 | rVV2 | 731535 | 1099859 | 3.00% | 0.500% |
| 41 | 13.660 | 1939 | 1942 | 1951 | rVV2 | 607460 | 1022384 | 2.79% | 0.465% |
| 42 | 13.751 | 1951 | 1957 | 1961 | rVV2 | 863063 | 1213241 | 3.31% | 0.552% |
| 43 | 13.806 | 1961 | 1966 | 1973 | rVV | 3384561 | 5192705 | 14.16% | 2.363% |
| 44 | 13.885 | 1974 | 1979 | 1981 | rVV | 339403 | 554106 | 1.51% | 0.252% |
| 45 | 13.916 | 1981 | 1984 | 1988 | rVV | 431373 | 647690 | 1.77% | 0.295% |
| 46 | 13.971 | 1988 | 1993 | 1997 | rVB | 477892 | 695068 | 1.89% | 0.316% |
| 47 | 14.074 | 2005 | 2010 | 2015 | rBV2 | 474264 | 776368 | 2.12% | 0.353% |
| 48 | 14.294 | 2036 | 2046 | 2049 | rVV3 | 448434 | 1131847 | 3.09% | 0.515% |
| 49 | 14.330 | 2049 | 2052 | 2057 | rVB | 632204 | 878818 | 2.40% | 0.400% |
| 50 | 14.379 | 2057 | 2060 | 2064 | rBV2 | 287914 | 420359 | 1.15% | 0.191% |
| 51 | 14.611 | 2094 | 2098 | 2103 | rVB | 767992 | 1025370 | 2.80% | 0.467% |
| 52 | 14.672 | 2103 | 2108 | 2114 | rBV2 | 888618 | 1850706 | 5.04% | 0.842% |
| 53 | 14.745 | 2114 | 2120 | 2125 | rVB3 | 462068 | 920353 | 2.51% | 0.419% |
| 54 | 14.830 | 2129 | 2134 | 2138 | rBV | 584535 | 860924 | 2.35% | 0.392% |
| 55 | 14.946 | 2144 | 2153 | 2156 | rBV5 | 319632 | 616164 | 1.68% | 0.280% |
| 56 | 15.050 | 2165 | 2170 | 2176 | rVB3 | 281451 | 550683 | 1.50% | 0.251% |
| 57 | 15.233 | 2190 | 2200 | 2211 | rBV | 14102375 | 25275678 | 68.90% | 11.500% |
| 58 | 15.336 | 2211 | 2217 | 2223 | rBV2 | 412661 | 772781 | 2.11% | 0.352% |
| 59 | 15.434 | 2229 | 2233 | 2241 | rVB | 651945 | 993595 | 2.71% | 0.452% |
| 60 | 15.525 | 2242 | 2248 | 2255 | rBV3 | 190641 | 490712 | 1.34% | 0.223% |
| 61 | 15.696 | 2266 | 2276 | 2285 | rBV6 | 190451 | 758299 | 2.07% | 0.345% |
| 62 | 15.885 | 2303 | 2307 | 2323 | rVB8 | 193368 | 638504 | 1.74% | 0.291% |
| 63 | 16.025 | 2324 | 2330 | 2336 | rBV3 | 159519 | 375592 | 1.02% | 0.171% |
| 64 | 16.226 | 2358 | 2363 | 2367 | rVV | 189438 | 375975 | 1.02% | 0.171% |
| 65 | 16.293 | 2367 | 2374 | 2381 | rVV | 6383510 | 12762535 | 34.79% | 5.807% |
| 66 | 16.361 | 2381 | 2385 | 2390 | rVB2 | 364319 | 609335 | 1.66% | 0.277% |
| 67 | 16.489 | 2398 | 2406 | 2418 | rVB | 4912365 | 10193263 | 27.79% | 4.638% |

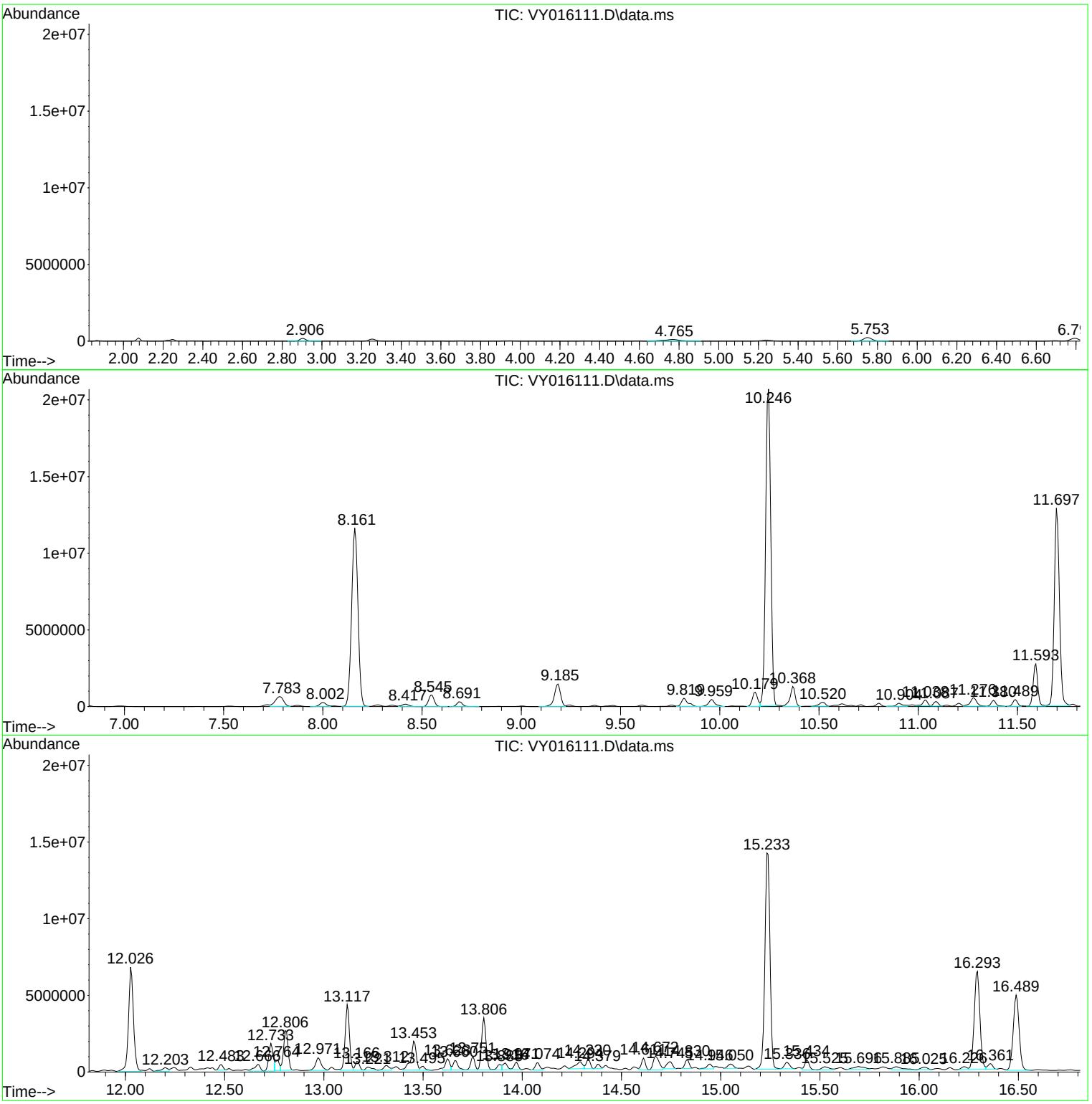
Sum of corrected areas: 219789556

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
Data File : VY016111.D
Acq On : 27 Oct 2023 18:07
Operator : SY/MD
Sample : 05107-03
Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
1073

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
Data File : VY016111.D
Acq On : 27 Oct 2023 18:07
Operator : SY/MD
Sample : 05107-03
Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
1073

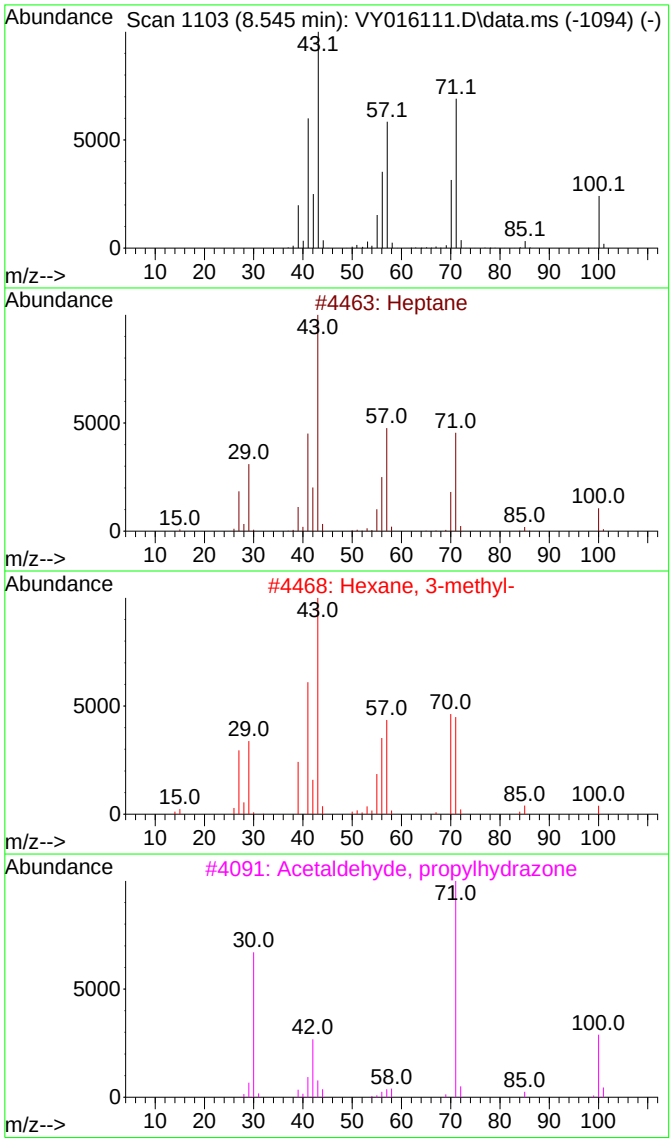
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
Quant Title : SW846 8260

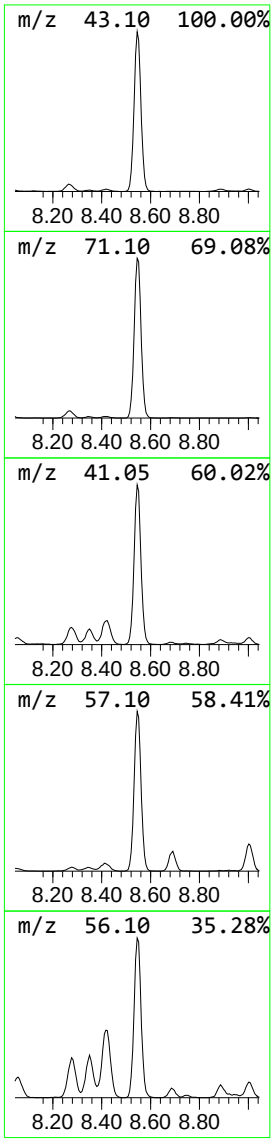
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 Heptane Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.545 | 117.34 ug/l | 1503790 | 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 | Acetaldehyde, propylhydrazone | 100 | C5H12N2 | 007422-88-0 | 47 |
| 4 | 3-Hexanone | 100 | C6H12O | 000589-38-8 | 43 |
| 5 | Pentane, 2,3,4-trimethyl- | 114 | C8H18 | 000565-75-3 | 40 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
Data File : VY016111.D
Acq On : 27 Oct 2023 18:07
Operator : SY/MD
Sample : 05107-03
Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
1073

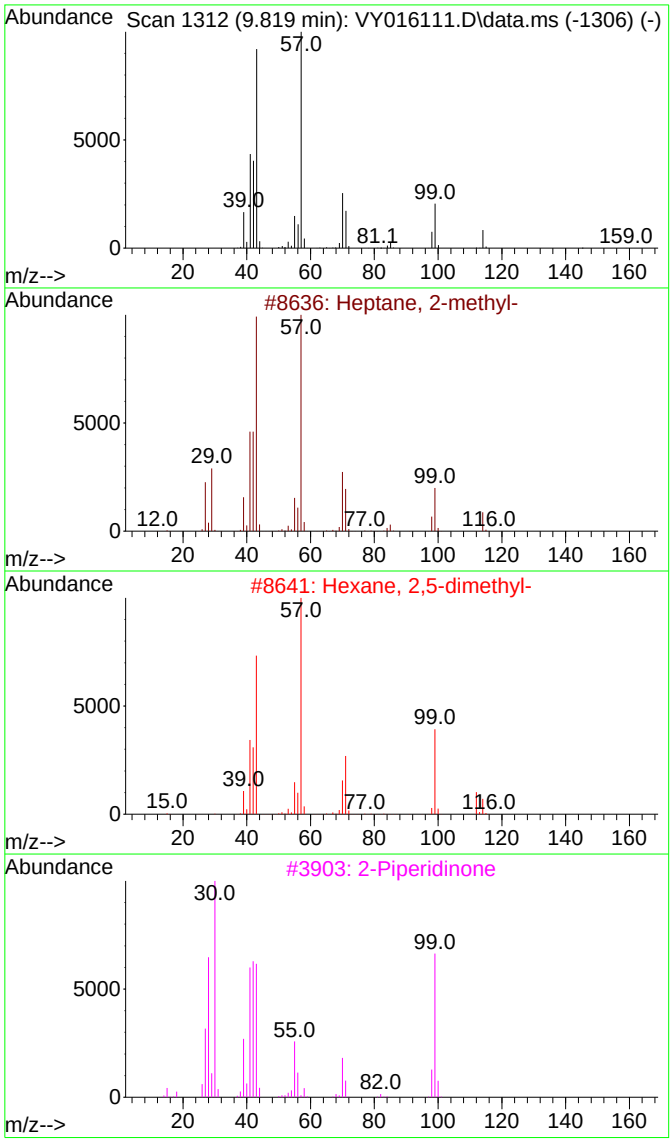
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
Quant Title : SW846 8260

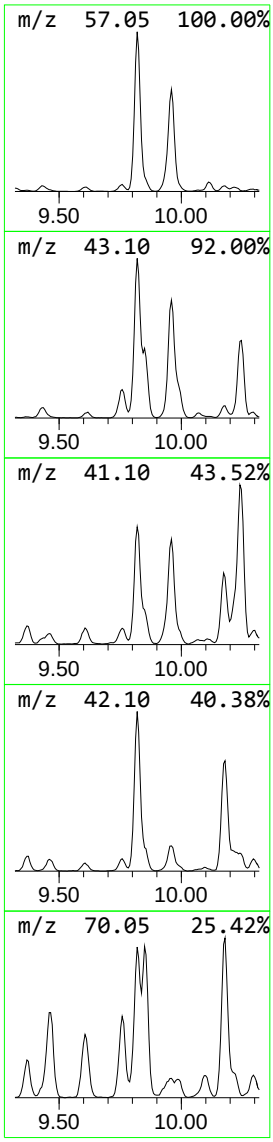
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 Heptane, 2-methyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.819 | 95.83 ug/l | 1228150 | 1,4-Difluorobenzene | 8.691 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptane, 2-methyl- | 114 | C8H18 | 000592-27-8 | 97 |
| 2 | Hexane, 2,5-dimethyl- | 114 | C8H18 | 000592-13-2 | 78 |
| 3 | 2-Piperidinone | 99 | C5H9NO | 000675-20-7 | 59 |
| 4 | Hexane, 2,4,4-trimethyl- | 128 | C9H20 | 016747-30-1 | 38 |
| 5 | 1-Pyrrolidinecarboxaldehyde | 99 | C5H9NO | 003760-54-1 | 38 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
Data File : VY016111.D
Acq On : 27 Oct 2023 18:07
Operator : SY/MD
Sample : 05107-03
Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
1073

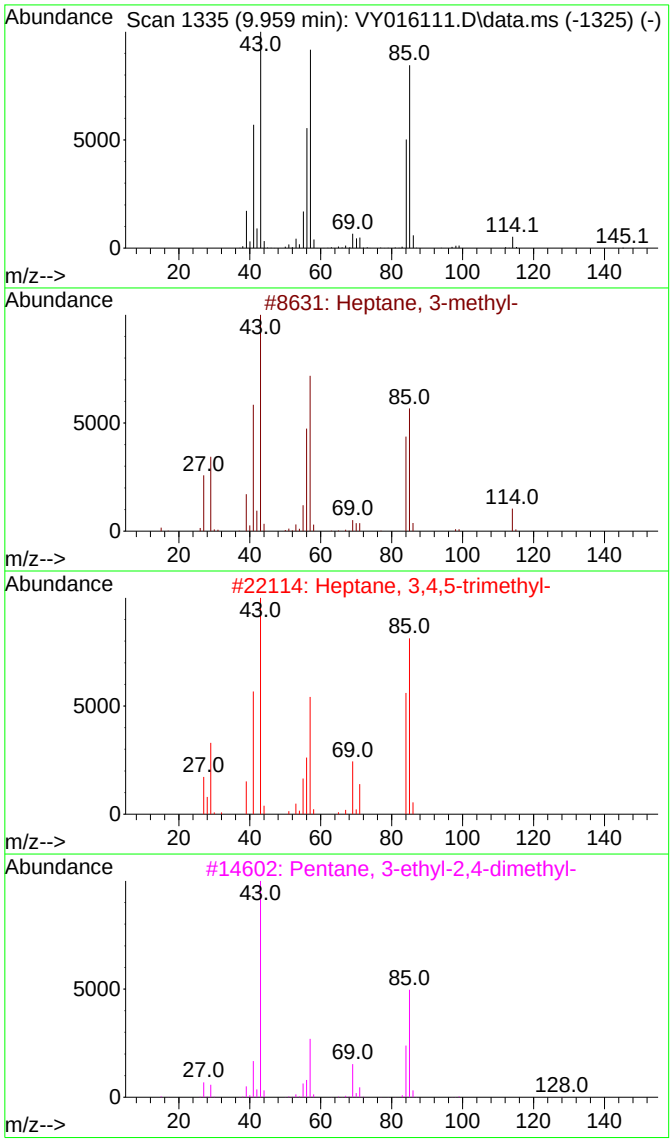
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
Quant Title : SW846 8260

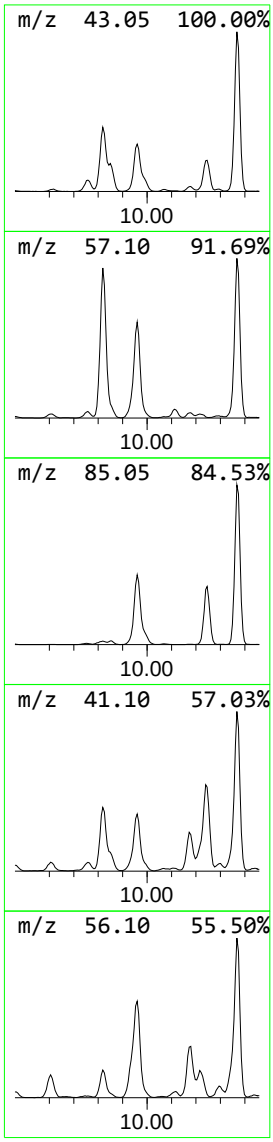
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 Heptane, 3-methyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.959 | 81.00 ug/l | 1038100 | 1,4-Difluorobenzene | 8.691 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptane, 3-methyl- | 114 | C8H18 | 000589-81-1 | 94 |
| 2 | Heptane, 3,4,5-trimethyl- | 142 | C10H22 | 020278-89-1 | 64 |
| 3 | Pentane, 3-ethyl-2,4-dimethyl- | 128 | C9H20 | 001068-87-7 | 59 |
| 4 | Hexane, 2,4-dimethyl- | 114 | C8H18 | 000589-43-5 | 59 |
| 5 | Butane, 2,2,3-trimethyl- | 100 | C7H16 | 000464-06-2 | 53 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
Data File : VY016111.D
Acq On : 27 Oct 2023 18:07
Operator : SY/MD
Sample : 05107-03
Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
1073

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
Quant Title : SW846 8260

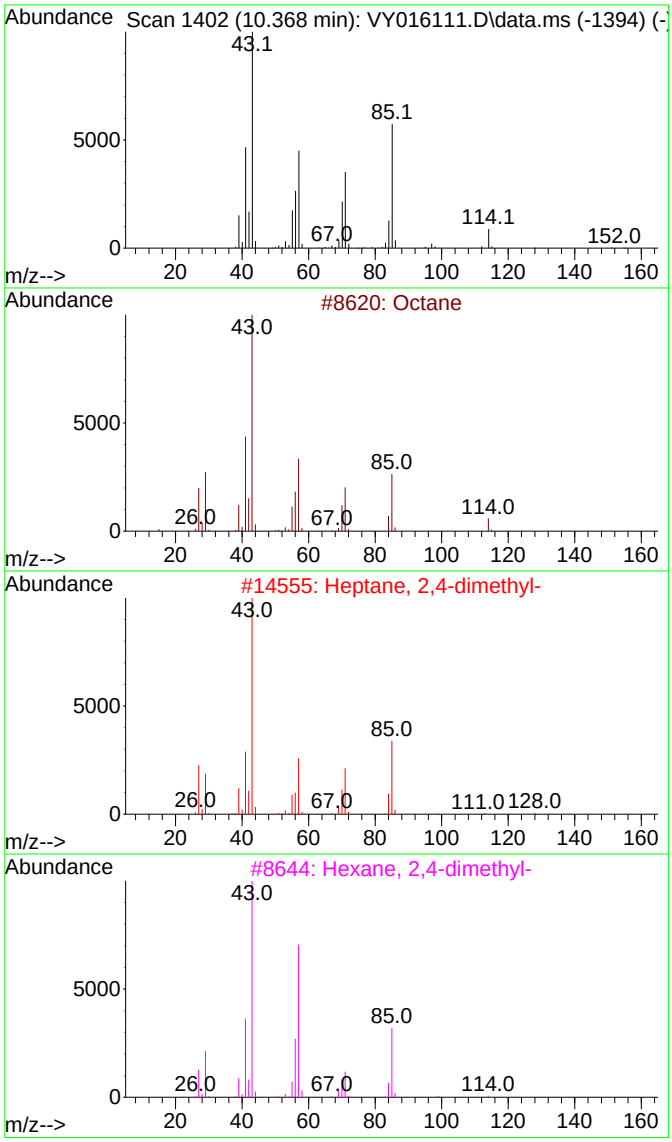
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

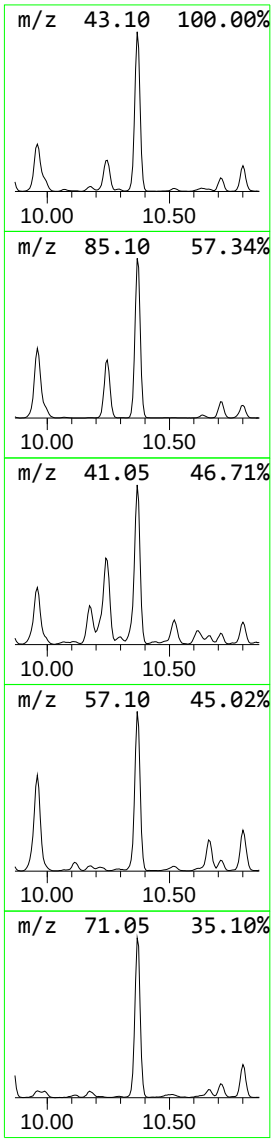
**********

Peak Number 4 Octane Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.368 | 157.90 ug/l | 2320040 | Chlorobenzene-d5 | 11.490 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octane | 114 | C8H18 | 000111-65-9 | 95 |
| 2 | Heptane, 2,4-dimethyl- | 128 | C9H20 | 002213-23-2 | 59 |
| 3 | Hexane, 2,4-dimethyl- | 114 | C8H18 | 000589-43-5 | 53 |
| 4 | Hexane, 2,3,4-trimethyl- | 128 | C9H20 | 000921-47-1 | 53 |
| 5 | Hexane, 1,1'-oxybis- | 186 | C12H26O | 000112-58-3 | 50 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
Data File : VY016111.D
Acq On : 27 Oct 2023 18:07
Operator : SY/MD
Sample : 05107-03
Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
1073

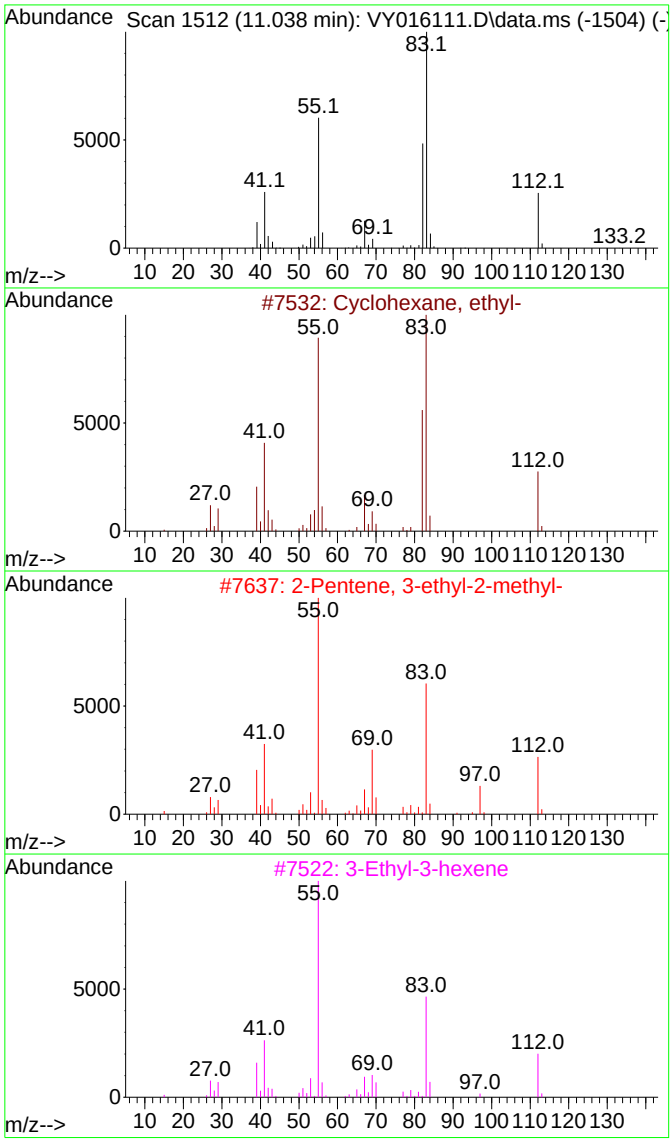
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
Quant Title : SW846 8260

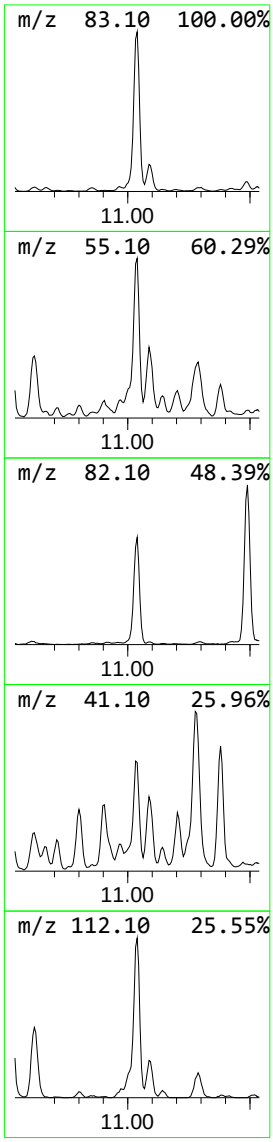
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 Cyclohexane, ethyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.038 | 42.08 ug/l | 618323 | Chlorobenzene-d5 | 11.490 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, ethyl- | 112 | C8H16 | 001678-91-7 | 91 |
| 2 | 2-Pentene, 3-ethyl-2-methyl- | 112 | C8H16 | 019780-67-7 | 58 |
| 3 | 3-Ethyl-3-hexene | 112 | C8H16 | 016789-51-8 | 53 |
| 4 | 3,4-Dimethyl-2-hexene | 112 | C8H16 | 002213-37-8 | 53 |
| 5 | Oxalic acid, cyclohexyl ethyl ester | 200 | C10H16O4 | 1000309-30-2 | 50 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
Data File : VY016111.D
Acq On : 27 Oct 2023 18:07
Operator : SY/MD
Sample : 05107-03
Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
1073

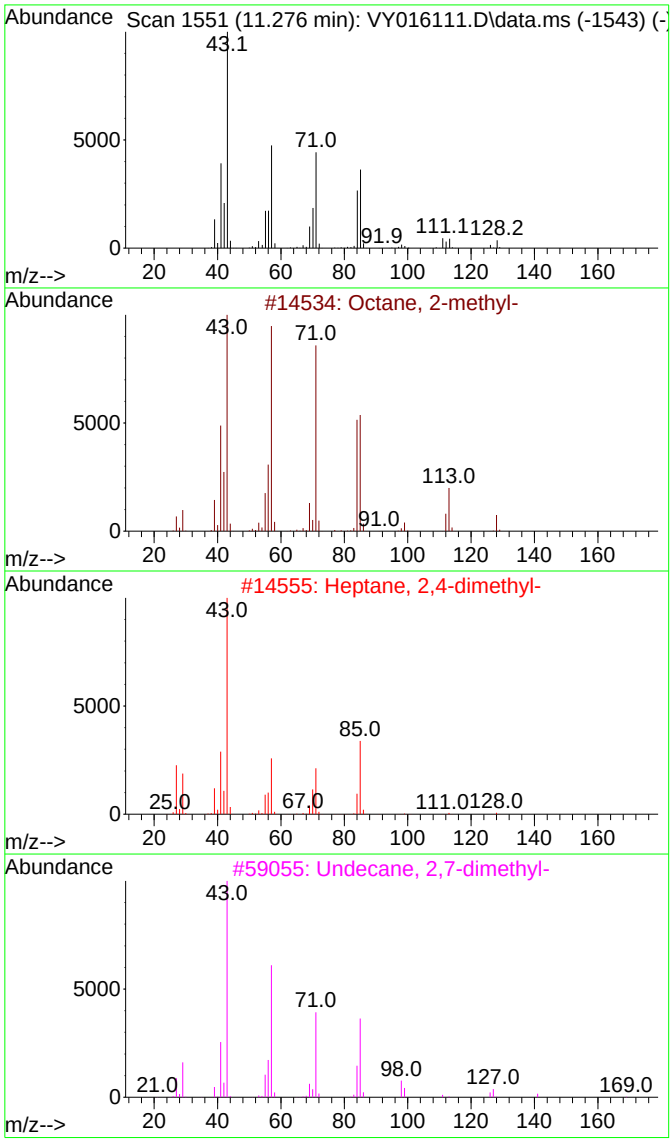
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
Quant Title : SW846 8260

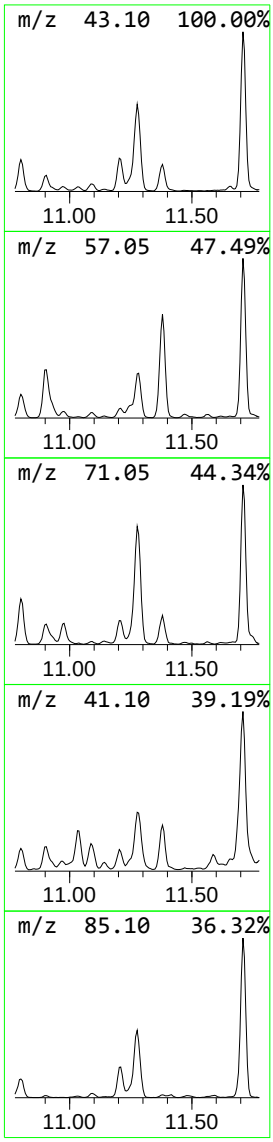
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 Octane, 2-methyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.276 | 85.67 ug/l | 1258790 | Chlorobenzene-d5 | 11.490 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octane, 2-methyl- | 128 | C9H20 | 003221-61-2 | 64 |
| 2 | Heptane, 2,4-dimethyl- | 128 | C9H20 | 002213-23-2 | 59 |
| 3 | Undecane, 2,7-dimethyl- | 184 | C13H28 | 017301-24-5 | 50 |
| 4 | Hexane, 3-ethyl- | 114 | C8H18 | 000619-99-8 | 50 |
| 5 | Hexane, 2,3,4-trimethyl- | 128 | C9H20 | 000921-47-1 | 50 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
Data File : VY016111.D
Acq On : 27 Oct 2023 18:07
Operator : SY/MD
Sample : 05107-03
Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
1073

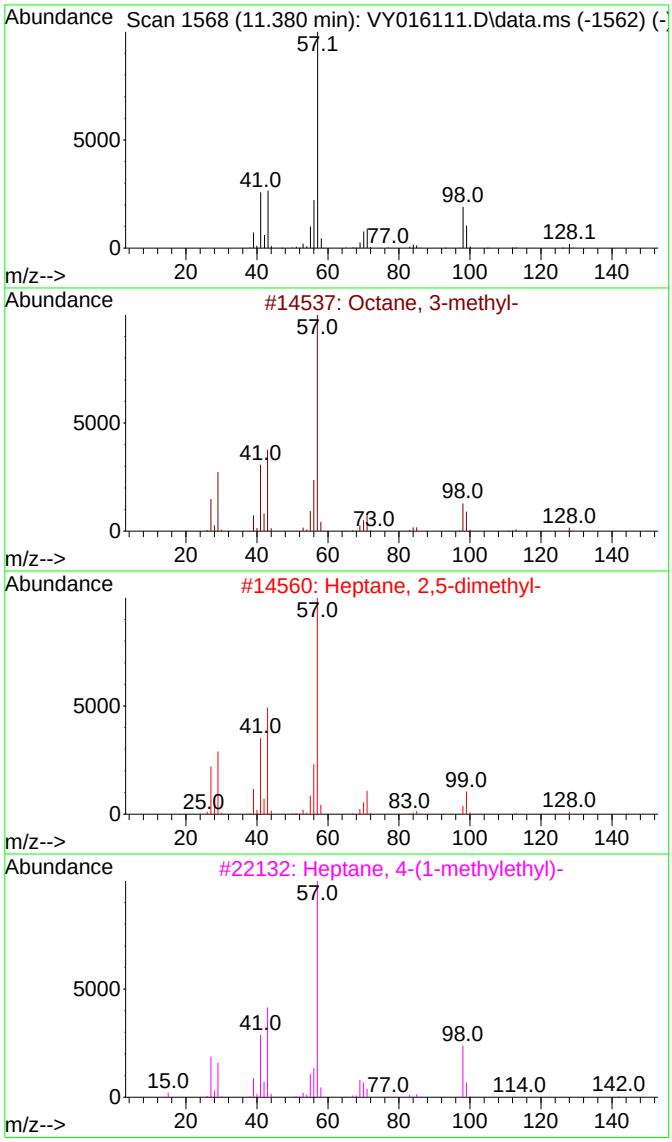
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
Quant Title : SW846 8260

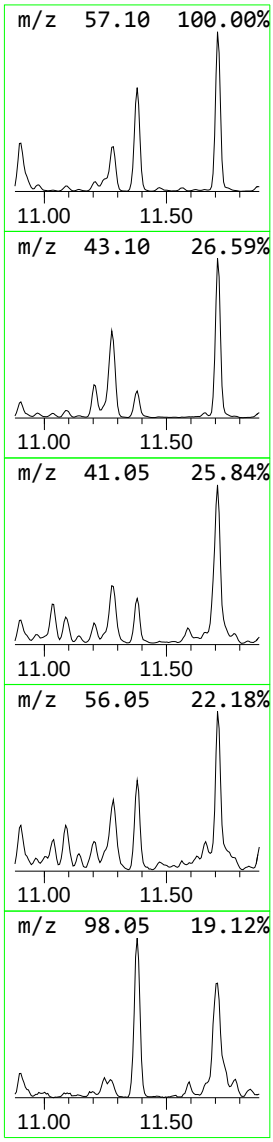
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 Octane, 3-methyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.380 | 44.54 ug/l | 654458 | Chlorobenzene-d5 | 11.490 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octane, 3-methyl- | 128 | C9H20 | 002216-33-3 | 91 |
| 2 | Heptane, 2,5-dimethyl- | 128 | C9H20 | 002216-30-0 | 81 |
| 3 | Heptane, 4-(1-methylethyl)- | 142 | C10H22 | 052896-87-4 | 64 |
| 4 | Undecane, 6-methyl- | 170 | C12H26 | 017302-33-9 | 64 |
| 5 | Heptane, 3,5-dimethyl- | 128 | C9H20 | 000926-82-9 | 50 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
Data File : VY016111.D
Acq On : 27 Oct 2023 18:07
Operator : SY/MD
Sample : 05107-03
Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
1073

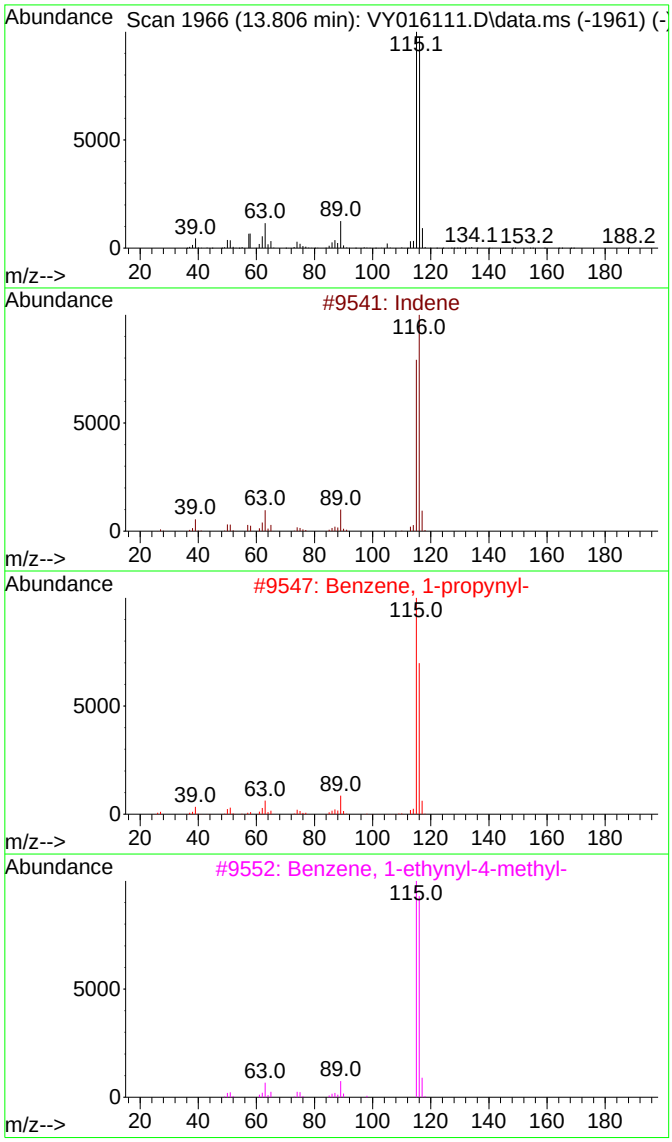
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
Quant Title : SW846 8260

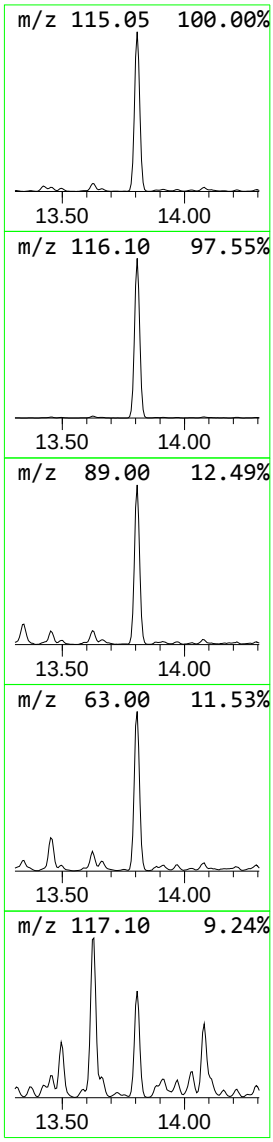
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 8 Indene Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.806 | 74.90 ug/l | 5192710 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indene | 116 | C9H8 | 000095-13-6 | 97 |
| 2 | Benzene, 1-propynyl- | 116 | C9H8 | 000673-32-5 | 94 |
| 3 | Benzene, 1-ethynyl-4-methyl- | 116 | C9H8 | 000766-97-2 | 91 |
| 4 | 3-Methylphenylacetylene | 116 | C9H8 | 000766-82-5 | 91 |
| 5 | 1-Propyne, 3-phenyl- | 116 | C9H8 | 010147-11-2 | 90 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
Data File : VY016111.D
Acq On : 27 Oct 2023 18:07
Operator : SY/MD
Sample : 05107-03
Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
1073

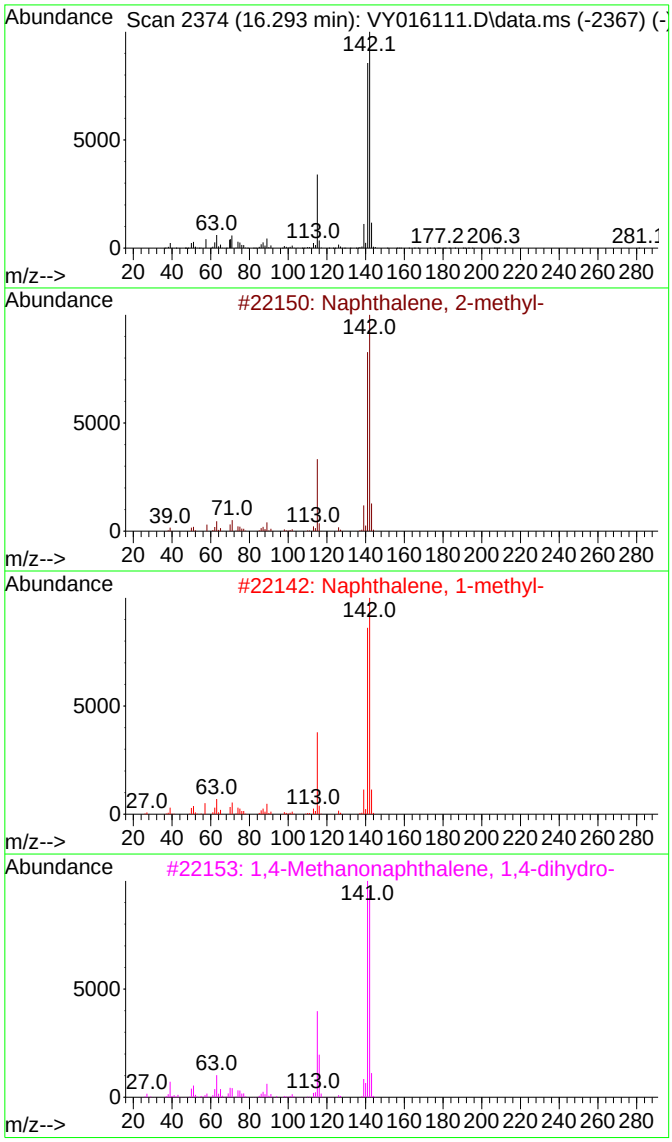
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
Quant Title : SW846 8260

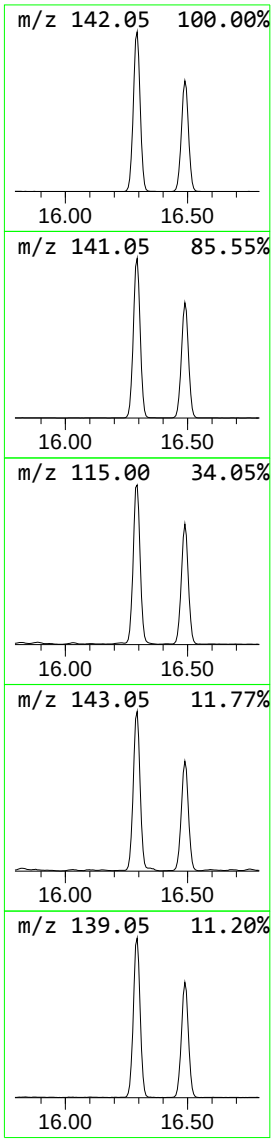
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 9 Naphthalene, 2-methyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.294 | 184.09 ug/l | 12762500 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 96 |
| 2 | Naphthalene, 1-methyl- | 142 | C11H10 | 000090-12-0 | 96 |
| 3 | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10 | 004453-90-1 | 91 |
| 4 | Benzocycloheptatriene | 142 | C11H10 | 000264-09-5 | 91 |
| 5 | 1H-Indene, 1-ethylidene- | 142 | C11H10 | 002471-83-2 | 64 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
Data File : VY016111.D
Acq On : 27 Oct 2023 18:07
Operator : SY/MD
Sample : 05107-03
Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
1073

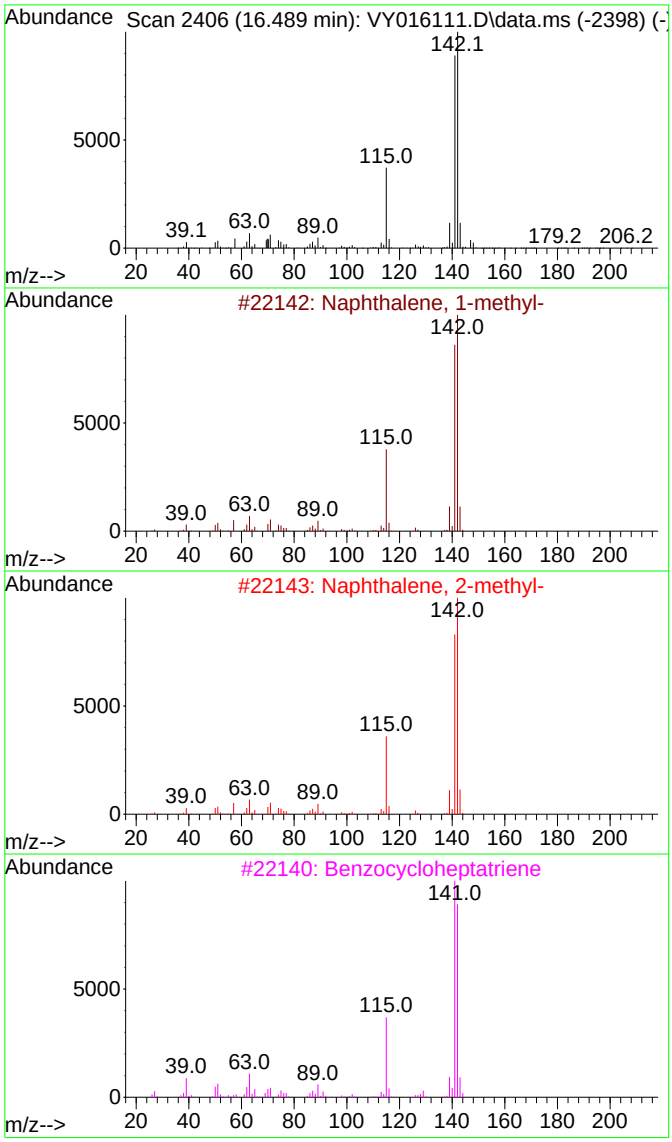
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
Quant Title : SW846 8260

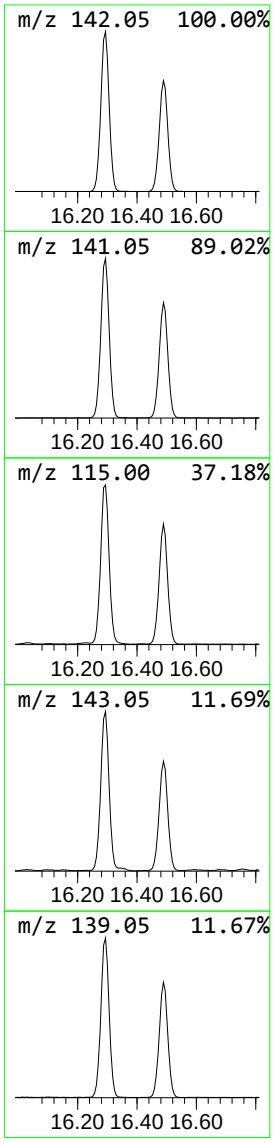
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 10 Naphthalene, 1-methyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.489 | 147.03 ug/l | 10193300 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1-methyl- | 142 | C11H10 | 000090-12-0 | 96 |
| 2 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 96 |
| 3 | Benzocycloheptatriene | 142 | C11H10 | 000264-09-5 | 91 |
| 4 | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10 | 004453-90-1 | 91 |
| 5 | 1H-Indene, 1-ethylidene- | 142 | C11H10 | 002471-83-2 | 64 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
Data File : VY016111.D
Acq On : 27 Oct 2023 18:07
Operator : SY/MD
Sample : 05107-03
Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
1073

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.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 | 8.545 | 117.3 | ug/l | 1503790 | 2 | 8.691 | 640769 | 50.0 |
| Heptane, 2-methyl- | 9.819 | 95.8 | ug/l | 1228150 | 2 | 8.691 | 640769 | 50.0 |
| Heptane, 3-methyl- | 9.959 | 81.0 | ug/l | 1038100 | 2 | 8.691 | 640769 | 50.0 |
| Octane | 10.368 | 157.9 | ug/l | 2320040 | 3 | 11.490 | 734655 | 50.0 |
| Cyclohexane, et... | 11.038 | 42.1 | ug/l | 618323 | 3 | 11.490 | 734655 | 50.0 |
| Octane, 2-methyl- | 11.276 | 85.7 | ug/l | 1258790 | 3 | 11.490 | 734655 | 50.0 |
| Octane, 3-methyl- | 11.380 | 44.5 | ug/l | 654458 | 3 | 11.490 | 734655 | 50.0 |
| Indene | 13.806 | 74.9 | ug/l | 5192710 | 4 | 13.422 | 3466480 | 50.0 |
| Naphthalene, 2-... | 16.294 | 184.1 | ug/l | 12762500 | 4 | 13.422 | 3466480 | 50.0 |
| Naphthalene, 1-... | 16.489 | 147.0 | ug/l | 10193300 | 4 | 13.422 | 3466480 | 50.0 |