LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY070220\
Data File : VY003097.D
Acq On : 02 Jul 2020 19:57
Operator : SY/MD
Sample : L3211-05
Misc : 9.02G/5ML/MSVOA Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** SB-5_11-11.5

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\82Y062920S.M
Title : SW846 8260

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.889 | 22 | 25 | 34 | rVB | 20558 | 31754 | 2.14% | 0.263% |
| 2 | 3.956 | 355 | 364 | 374 | rBV | 19533 | 53017 | 3.57% | 0.440% |
| 3 | 4.206 | 397 | 405 | 412 | rVB2 | 8673 | 23521 | 1.58% | 0.195% |
| 4 | 4.730 | 479 | 491 | 504 | rVB3 | 16563 | 58724 | 3.96% | 0.487% |
| 5 | 6.998 | 852 | 863 | 873 | rBV2 | 10638 | 33414 | 2.25% | 0.277% |
| 6 | 7.724 | 972 | 982 | 988 | rBV | 225093 | 529320 | 35.66% | 4.390% |
| 7 | 7.797 | 988 | 994 | 1005 | rVB | 368753 | 817607 | 55.08% | 6.781% |
| 8 | 8.150 | 1041 | 1052 | 1064 | rBV | 206902 | 455467 | 30.69% | 3.778% |
| 9 | 8.693 | 1133 | 1141 | 1156 | rVB | 543044 | 1071370 | 72.18% | 8.886% |
| 10 | 9.181 | 1211 | 1221 | 1229 | rBV8 | 5802 | 14849 | 1.00% | 0.123% |
| 11 | 10.180 | 1377 | 1385 | 1392 | rBV | 846161 | 1452418 | 97.85% | 12.047% |
| 12 | 10.241 | 1392 | 1395 | 1403 | rVB | 23591 | 40724 | 2.74% | 0.338% |
| 13 | 10.583 | 1446 | 1451 | 1456 | rBV2 | 9060 | 20725 | 1.40% | 0.172% |
| 14 | 10.711 | 1466 | 1472 | 1477 | rVB2 | 9254 | 15324 | 1.03% | 0.127% |
| 15 | 11.491 | 1590 | 1600 | 1610 | rVB | 797075 | 1280428 | 86.26% | 10.620% |
| 16 | 11.589 | 1610 | 1616 | 1621 | rBV | 29601 | 49106 | 3.31% | 0.407% |
| 17 | 11.698 | 1627 | 1634 | 1642 | rBV | 117595 | 211591 | 14.26% | 1.755% |
| 18 | 12.028 | 1681 | 1688 | 1696 | rVB | 79624 | 129599 | 8.73% | 1.075% |
| 19 | 12.326 | 1732 | 1737 | 1745 | rVB | 18141 | 31050 | 2.09% | 0.258% |
| 20 | 12.479 | 1755 | 1762 | 1770 | rBV | 656831 | 1018512 | 68.62% | 8.448% |
| 21 | 12.668 | 1788 | 1793 | 1798 | rBV | 46697 | 71799 | 4.84% | 0.596% |
| 22 | 12.735 | 1798 | 1804 | 1807 | rVV | 237553 | 377686 | 25.45% | 3.133% |
| 23 | 12.765 | 1807 | 1809 | 1813 | rVV2 | 100296 | 134206 | 9.04% | 1.113% |
| 24 | 12.808 | 1813 | 1816 | 1821 | rVV | 155667 | 233282 | 15.72% | 1.935% |
| 25 | 12.851 | 1821 | 1823 | 1828 | rVB2 | 14097 | 20001 | 1.35% | 0.166% |
| 26 | 12.973 | 1836 | 1843 | 1850 | rVB | 117904 | 182903 | 12.32% | 1.517% |
| 27 | 13.119 | 1856 | 1867 | 1875 | rBV | 464322 | 677053 | 45.61% | 5.616% |
| 28 | 13.253 | 1880 | 1889 | 1893 | rBV4 | 6773 | 15246 | 1.03% | 0.126% |
| 29 | 13.314 | 1893 | 1899 | 1902 | rVV | 19687 | 30134 | 2.03% | 0.250% |
| 30 | 13.375 | 1904 | 1909 | 1912 | rVV3 | 20849 | 43409 | 2.92% | 0.360% |
| 31 | 13.424 | 1912 | 1917 | 1928 | rVB2 | 820799 | 1484315 | 100.00% | 12.311% |
| 32 | 13.588 | 1939 | 1944 | 1946 | rBV2 | 24224 | 35604 | 2.40% | 0.295% |
| 33 | 13.625 | 1946 | 1950 | 1953 | rVV | 70851 | 109977 | 7.41% | 0.912% |
| 34 | 13.662 | 1953 | 1956 | 1967 | rVB2 | 58901 | 102919 | 6.93% | 0.854% |

LSC Area Percent Report

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Data File : VY003097.D
Acq On : 02 Jul 2020 19:57
Operator : SY/MD
Sample : L3211-05
Misc : 9.02G/5ML/MSVOA_Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** SB-5_11-11.5

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\82Y062920S.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 13.759 | 1967 | 1972 | 1973 | rBV3 | 13026 | 16989 | 1.14% | 0.141% |
| 36 | 13.783 | 1973 | 1976 | 1979 | rVV2 | 14692 | 19719 | 1.33% | 0.164% |
| 37 | 13.826 | 1979 | 1983 | 1987 | rVV | 23434 | 32793 | 2.21% | 0.272% |
| 38 | 13.887 | 1987 | 1993 | 1995 | rVV | 36959 | 61493 | 4.14% | 0.510% |
| 39 | 13.912 | 1995 | 1997 | 2002 | rVV | 40375 | 55301 | 3.73% | 0.459% |
| 40 | 13.972 | 2002 | 2007 | 2011 | rVB | 73446 | 110965 | 7.48% | 0.920% |
| 41 | 14.082 | 2020 | 2025 | 2029 | rVB2 | 41761 | 67468 | 4.55% | 0.560% |
| 42 | 14.210 | 2041 | 2046 | 2053 | rBV | 39869 | 64355 | 4.34% | 0.534% |
| 43 | 14.296 | 2055 | 2060 | 2063 | rVV2 | 34983 | 55773 | 3.76% | 0.463% |
| 44 | 14.332 | 2063 | 2066 | 2071 | rVB | 56575 | 85358 | 5.75% | 0.708% |
| 45 | 14.564 | 2099 | 2104 | 2109 | rVB2 | 37042 | 54970 | 3.70% | 0.456% |
| 46 | 14.686 | 2117 | 2124 | 2132 | rVB3 | 86009 | 185512 | 12.50% | 1.539% |
| 47 | 14.832 | 2140 | 2148 | 2153 | rBV | 37119 | 73027 | 4.92% | 0.606% |
| 48 | 14.936 | 2162 | 2165 | 2171 | rVB8 | 14090 | 22894 | 1.54% | 0.190% |
| 49 | 15.058 | 2180 | 2185 | 2194 | rVB3 | 15325 | 37213 | 2.51% | 0.309% |
| 50 | 15.234 | 2208 | 2214 | 2220 | rVB | 109267 | 185307 | 12.48% | 1.537% |
| 51 | 16.033 | 2341 | 2345 | 2355 | rVB10 | 9055 | 27672 | 1.86% | 0.230% |
| 52 | 16.289 | 2382 | 2387 | 2393 | rBV3 | 9378 | 18213 | 1.23% | 0.151% |
| 53 | 16.490 | 2414 | 2420 | 2426 | rVB4 | 11356 | 24674 | 1.66% | 0.205% |

Sum of corrected areas: 12056750

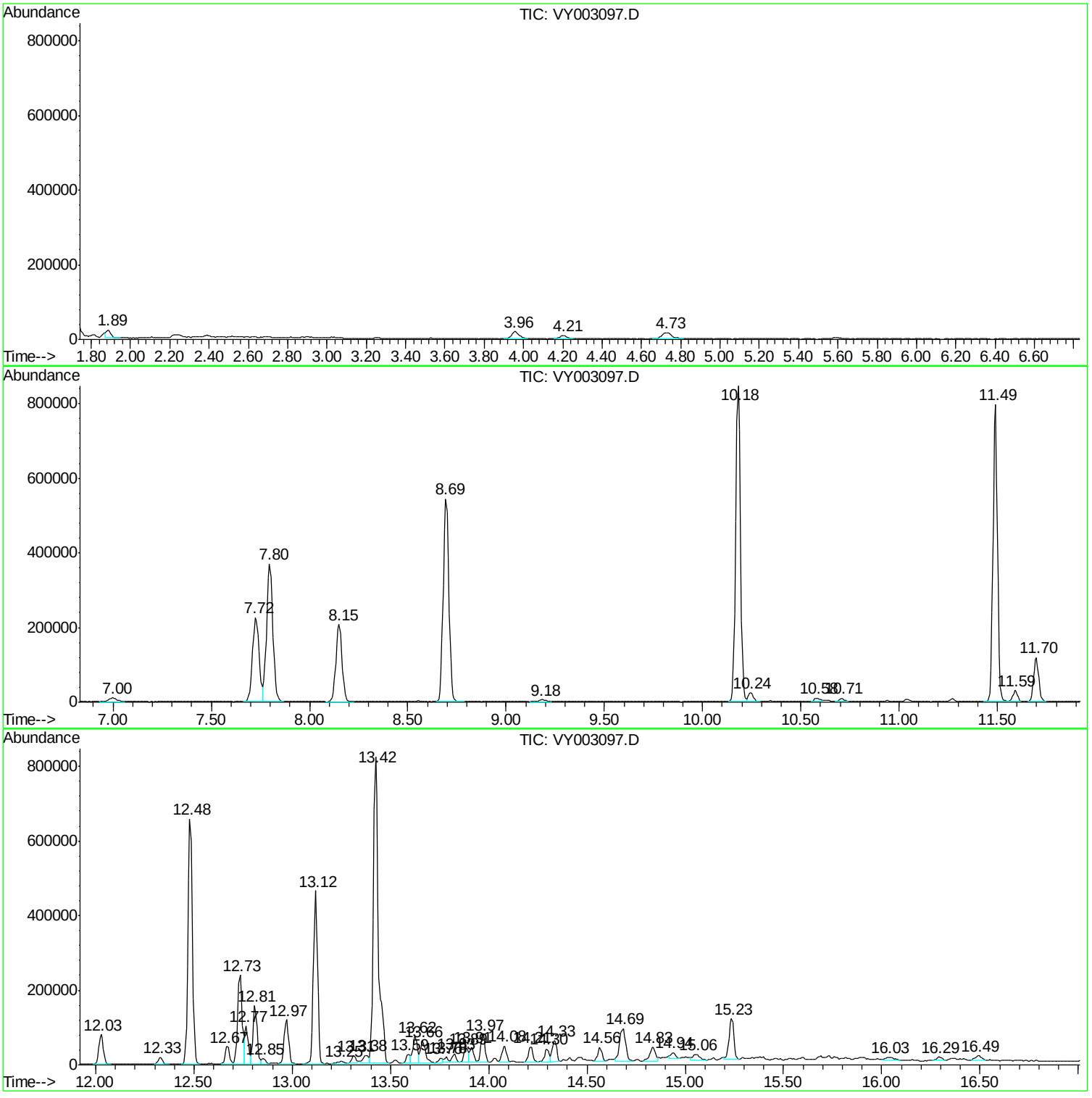
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY070220\
Data File : VY003097.D
Acq On : 02 Jul 2020 19:57
Operator : SY/MD
Sample : L3211-05
Misc : 9.02G/5ML/MSVOA_Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** SB-5_11-11.5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
Quant Title : SW846 8260

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



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY070220\
Data File : VY003097.D
Acq On : 02 Jul 2020 19:57
Operator : SY/MD
Sample : L3211-05
Misc : 9.02G/5ML/MSVOA_Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** SB-5_11-11.5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
Quant Title : SW846 8260

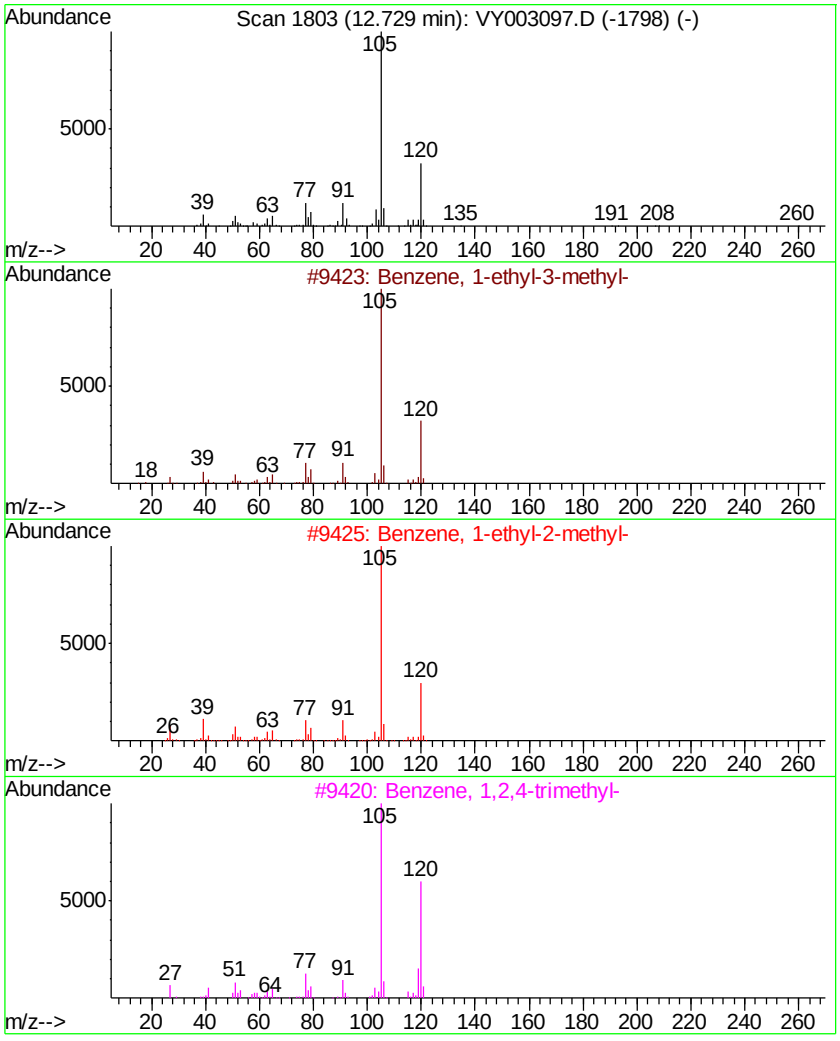
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

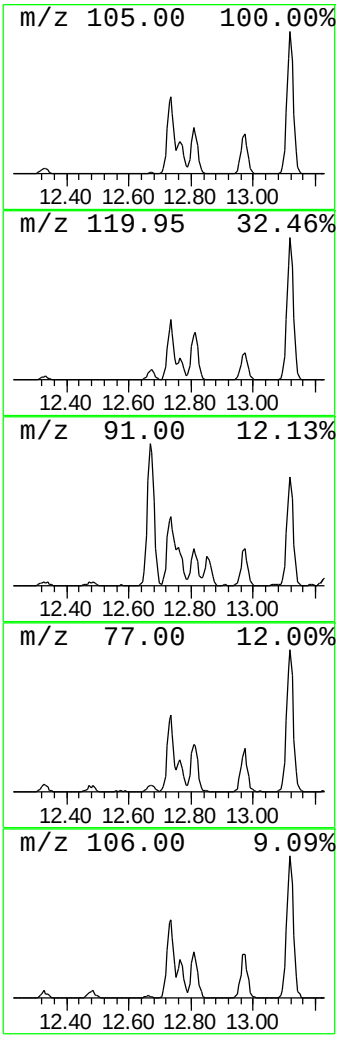
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.73 | 12.72 ug/l | 377686 | 1,4-Dichlorobenzene-d4 | 13.42 |

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY070220\
Data File : VY003097.D
Acq On : 02 Jul 2020 19:57
Operator : SY/MD
Sample : L3211-05
Misc : 9.02G/5ML/MSVOA_Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** SB-5_11-11.5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
Quant Title : SW846 8260

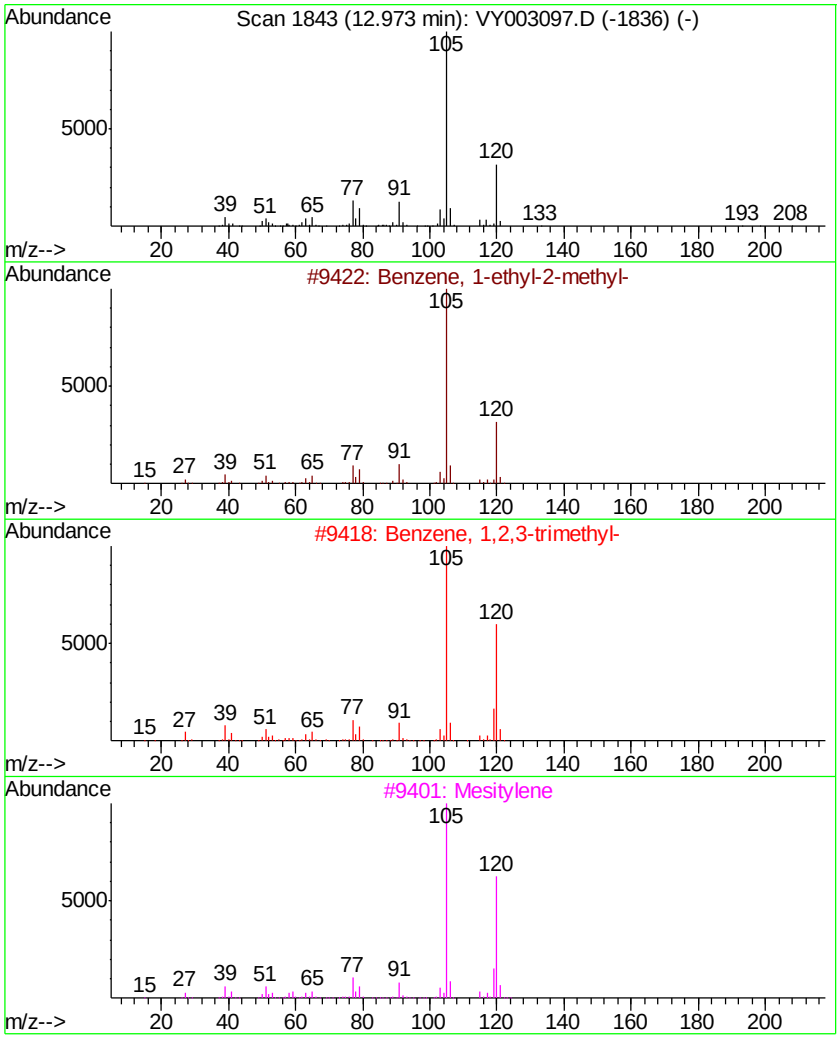
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

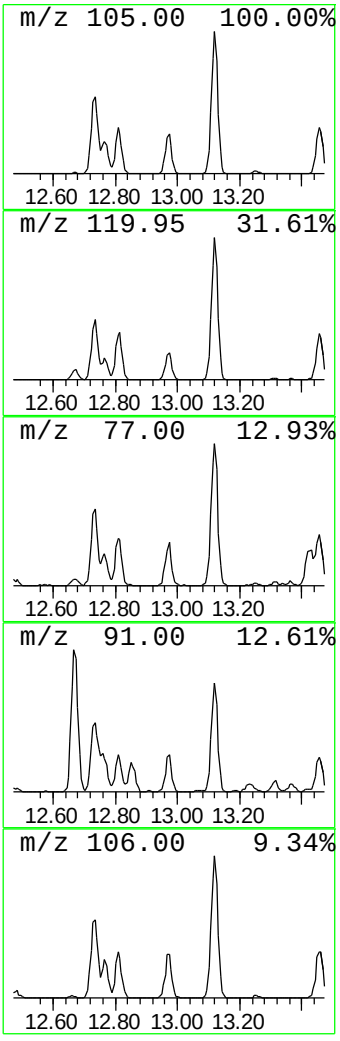
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.97 | 6.16 ug/l | 182903 | 1,4-Dichlorobenzene-d4 | 13.42 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-2-methyl- | 120 | C9H12 | 000611-14-3 | 91 |
| 2 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 91 |
| 3 | Mesitylene | 120 | C9H12 | 000108-67-8 | 91 |
| 4 | Benzene, 1-ethyl-4-methyl- | 120 | C9H12 | 000622-96-8 | 91 |
| 5 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 91 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY070220\
Data File : VY003097.D
Acq On : 02 Jul 2020 19:57
Operator : SY/MD
Sample : L3211-05
Misc : 9.02G/5ML/MSVOA_Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** SB-5_11-11.5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
Quant Title : SW846 8260

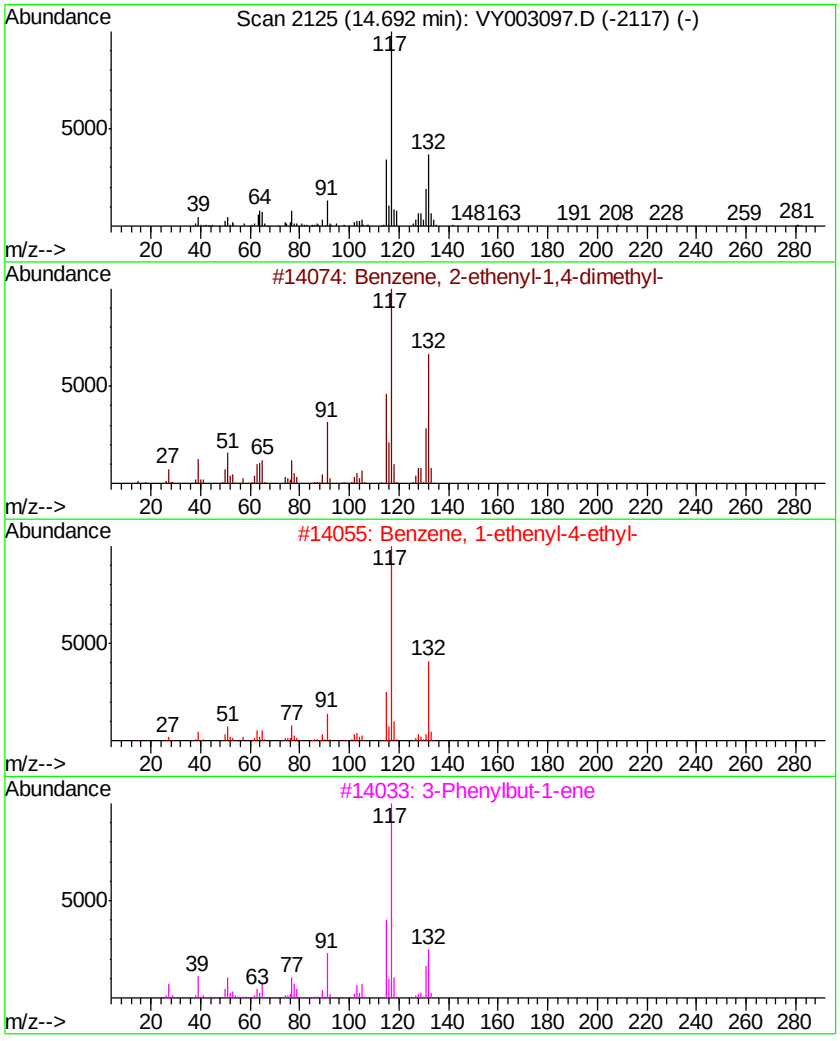
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

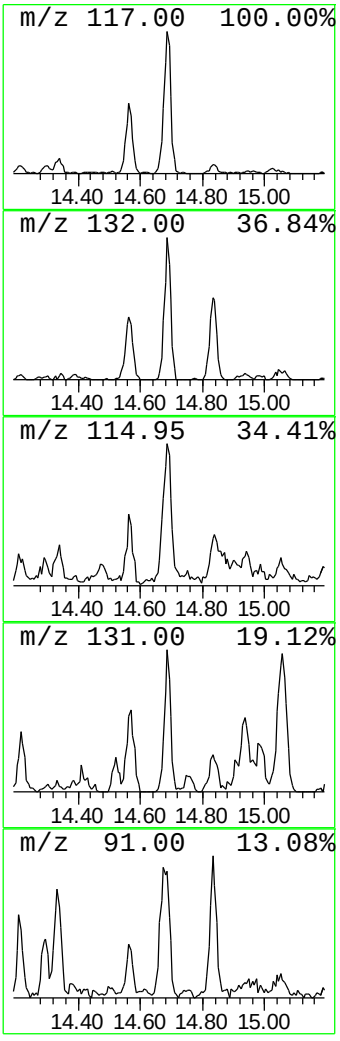
**********

Peak Number 3 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.69 | 6.25 ug/l | 185512 | 1,4-Dichlorobenzene-d4 | 13.42 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12 | 002039-89-6 | 96 |
| 2 | Benzene, 1-ethenyl-4-ethyl- | 132 | C10H12 | 003454-07-7 | 89 |
| 3 | 3-Phenylbut-1-ene | 132 | C10H12 | 000934-10-1 | 87 |
| 4 | 1H-Indene, 2,3-dihydro-2-methyl- | 132 | C10H12 | 000824-63-5 | 76 |
| 5 | Benzene, 1-ethenyl-3-ethyl- | 132 | C10H12 | 007525-62-4 | 76 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY070220\
Data File : VY003097.D
Acq On : 02 Jul 2020 19:57
Operator : SY/MD
Sample : L3211-05
Misc : 9.02G/5ML/MSVOA_Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** SB-5_11-11.5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
Quant Title : SW846 8260

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

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Benzene, 1-ethyl-... | 12.73 | 12.7 | ug/l | 377686 | 4 | 13.42 | 1484320 | 50.0 |
| Benzene, 1-ethyl-... | 12.97 | 6.2 | ug/l | 182903 | 4 | 13.42 | 1484320 | 50.0 |
| Benzene, 2-etheny... | 14.69 | 6.3 | ug/l | 185512 | 4 | 13.42 | 1484320 | 50.0 |