LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031619\
Data File : VX008151.D
Acq On : 16 Mar 2019 19:47
Operator : JC/SP
Sample : K1960-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** T2-MW-4-8.0-031419

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_X\METHOD\82X031419W.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 | 3.172 | 321 | 331 | 341 | rBV | 109018 | 248273 | 1.53% | 0.243% |
| 2 | 4.397 | 523 | 532 | 544 | rVB | 207596 | 603429 | 3.73% | 0.591% |
| 3 | 5.500 | 700 | 713 | 719 | rBV | 156758 | 459752 | 2.84% | 0.450% |
| 4 | 5.580 | 719 | 726 | 733 | rVV3 | 183708 | 621310 | 3.84% | 0.609% |
| 5 | 5.659 | 733 | 739 | 767 | rVB | 292857 | 1100933 | 6.80% | 1.078% |
| 6 | 5.927 | 772 | 783 | 796 | rBV5 | 100235 | 324156 | 2.00% | 0.318% |
| 7 | 6.067 | 796 | 806 | 813 | rVV | 150823 | 388804 | 2.40% | 0.381% |
| 8 | 6.147 | 813 | 819 | 827 | rVV | 75629 | 207748 | 1.28% | 0.204% |
| 9 | 6.256 | 829 | 837 | 847 | rVV4 | 99266 | 367874 | 2.27% | 0.360% |
| 10 | 6.354 | 847 | 853 | 861 | rVV2 | 115408 | 321235 | 1.98% | 0.315% |
| 11 | 6.452 | 861 | 869 | 881 | rVB2 | 105470 | 303481 | 1.87% | 0.297% |
| 12 | 6.860 | 924 | 936 | 945 | rBV2 | 407722 | 1264088 | 7.81% | 1.238% |
| 13 | 7.256 | 990 | 1001 | 1009 | rBV | 245732 | 543024 | 3.35% | 0.532% |
| 14 | 7.457 | 1021 | 1034 | 1046 | rBV3 | 561405 | 1448940 | 8.95% | 1.419% |
| 15 | 7.732 | 1073 | 1079 | 1089 | rVB | 102385 | 199510 | 1.23% | 0.195% |
| 16 | 8.055 | 1122 | 1132 | 1142 | rVB4 | 53107 | 207132 | 1.28% | 0.203% |
| 17 | 8.213 | 1142 | 1158 | 1163 | rBV | 557563 | 1184503 | 7.31% | 1.160% |
| 18 | 8.262 | 1163 | 1166 | 1175 | rVV2 | 104249 | 200331 | 1.24% | 0.196% |
| 19 | 8.372 | 1175 | 1184 | 1191 | rVV3 | 82580 | 177793 | 1.10% | 0.174% |
| 20 | 8.567 | 1208 | 1216 | 1226 | rVB | 354904 | 641465 | 3.96% | 0.628% |
| 21 | 8.665 | 1226 | 1232 | 1235 | rBV3 | 94676 | 173874 | 1.07% | 0.170% |
| 22 | 8.713 | 1235 | 1240 | 1247 | rVB | 801795 | 1284130 | 7.93% | 1.258% |
| 23 | 8.982 | 1279 | 1284 | 1289 | rBV | 138135 | 225866 | 1.39% | 0.221% |
| 24 | 9.164 | 1305 | 1314 | 1318 | rVV3 | 96380 | 188799 | 1.17% | 0.185% |
| 25 | 9.219 | 1318 | 1323 | 1333 | rVB | 396259 | 621439 | 3.84% | 0.609% |
| 26 | 9.561 | 1375 | 1379 | 1385 | rVB3 | 89774 | 181368 | 1.12% | 0.178% |
| 27 | 9.817 | 1415 | 1421 | 1428 | rBV2 | 95071 | 167204 | 1.03% | 0.164% |
| 28 | 10.109 | 1464 | 1469 | 1474 | rBV | 744938 | 996459 | 6.15% | 0.976% |
| 29 | 10.250 | 1489 | 1492 | 1500 | rVB | 245190 | 321319 | 1.98% | 0.315% |
| 30 | 11.018 | 1612 | 1618 | 1626 | rBV | 2812174 | 3401444 | 21.00% | 3.332% |
| 31 | 11.134 | 1632 | 1637 | 1642 | rBV | 624700 | 813853 | 5.03% | 0.797% |
| 32 | 11.359 | 1668 | 1674 | 1679 | rBV | 5786150 | 7057206 | 43.58% | 6.913% |
| 33 | 11.664 | 1719 | 1724 | 1736 | rBV | 345258 | 439446 | 2.71% | 0.430% |
| 34 | 11.920 | 1760 | 1766 | 1768 | rBV | 268638 | 380837 | 2.35% | 0.373% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031619\
Data File : VX008151.D
Acq On : 16 Mar 2019 19:47
Operator : JC/SP
Sample : K1960-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** T2-MW-4-8.0-031419

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_X\METHOD\82X031419W.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 11.944 | 1768 | 1770 | 1775 | rVB | 371629 | 390848 | 2.41% | 0.383% |
| 36 | 12.079 | 1786 | 1792 | 1798 | rVV | 777983 | 985470 | 6.09% | 0.965% |
| 37 | 12.298 | 1821 | 1828 | 1834 | rBV | 12871620 | 16193672 | 100.00% | 15.863% |
| 38 | 12.365 | 1834 | 1839 | 1841 | rBV | 700060 | 909605 | 5.62% | 0.891% |
| 39 | 12.457 | 1849 | 1854 | 1860 | rVB | 487870 | 606143 | 3.74% | 0.594% |
| 40 | 12.670 | 1882 | 1889 | 1892 | rBV | 6029702 | 7291114 | 45.02% | 7.142% |
| 41 | 12.700 | 1892 | 1894 | 1898 | rVV | 1522419 | 1609649 | 9.94% | 1.577% |
| 42 | 12.755 | 1898 | 1903 | 1910 | rVB2 | 4859263 | 6413204 | 39.60% | 6.282% |
| 43 | 12.896 | 1921 | 1926 | 1931 | rVB2 | 170871 | 244029 | 1.51% | 0.239% |
| 44 | 12.975 | 1931 | 1939 | 1944 | rBV | 3510612 | 4184946 | 25.84% | 4.099% |
| 45 | 13.078 | 1951 | 1956 | 1964 | rBV2 | 334498 | 522430 | 3.23% | 0.512% |
| 46 | 13.194 | 1972 | 1975 | 1976 | rVV | 275353 | 299727 | 1.85% | 0.294% |
| 47 | 13.225 | 1976 | 1980 | 1990 | rVB | 4282190 | 5201139 | 32.12% | 5.095% |
| 48 | 13.316 | 1990 | 1995 | 1996 | rBV | 274601 | 331967 | 2.05% | 0.325% |
| 49 | 13.347 | 1996 | 2000 | 2006 | rVV2 | 7432451 | 10407616 | 64.27% | 10.195% |
| 50 | 13.402 | 2006 | 2009 | 2011 | rVV2 | 261022 | 348500 | 2.15% | 0.341% |
| 51 | 13.426 | 2011 | 2013 | 2017 | rVB | 288588 | 286148 | 1.77% | 0.280% |
| 52 | 13.481 | 2017 | 2022 | 2029 | rVB | 1500823 | 1851681 | 11.43% | 1.814% |
| 53 | 13.560 | 2029 | 2035 | 2038 | rBV2 | 385382 | 513811 | 3.17% | 0.503% |
| 54 | 13.597 | 2038 | 2041 | 2045 | rVV | 825349 | 1147977 | 7.09% | 1.125% |
| 55 | 13.639 | 2045 | 2048 | 2052 | rVB3 | 829228 | 1142031 | 7.05% | 1.119% |
| 56 | 13.719 | 2058 | 2061 | 2067 | rVB2 | 931072 | 1435997 | 8.87% | 1.407% |
| 57 | 13.834 | 2072 | 2080 | 2089 | rBV | 3366158 | 4232595 | 26.14% | 4.146% |
| 58 | 13.908 | 2089 | 2092 | 2097 | rVB | 132471 | 168668 | 1.04% | 0.165% |
| 59 | 13.981 | 2097 | 2104 | 2108 | rBV2 | 425434 | 602785 | 3.72% | 0.590% |
| 60 | 14.029 | 2108 | 2112 | 2115 | rVB | 296975 | 358720 | 2.22% | 0.351% |
| 61 | 14.133 | 2124 | 2129 | 2135 | rBV | 596034 | 743155 | 4.59% | 0.728% |
| 62 | 14.273 | 2147 | 2152 | 2158 | rBV2 | 481818 | 853073 | 5.27% | 0.836% |
| 63 | 14.377 | 2165 | 2169 | 2174 | rBV | 215104 | 298626 | 1.84% | 0.293% |
| 64 | 14.426 | 2174 | 2177 | 2182 | rVB | 303897 | 382691 | 2.36% | 0.375% |
| 65 | 14.535 | 2190 | 2195 | 2200 | rBV2 | 117054 | 175270 | 1.08% | 0.172% |
| 66 | 14.694 | 2217 | 2221 | 2231 | rVB | 2637984 | 3237385 | 19.99% | 3.171% |
| 67 | 14.840 | 2240 | 2245 | 2254 | rVB | 1282787 | 1648660 | 10.18% | 1.615% |

Sum of corrected areas: 102086357

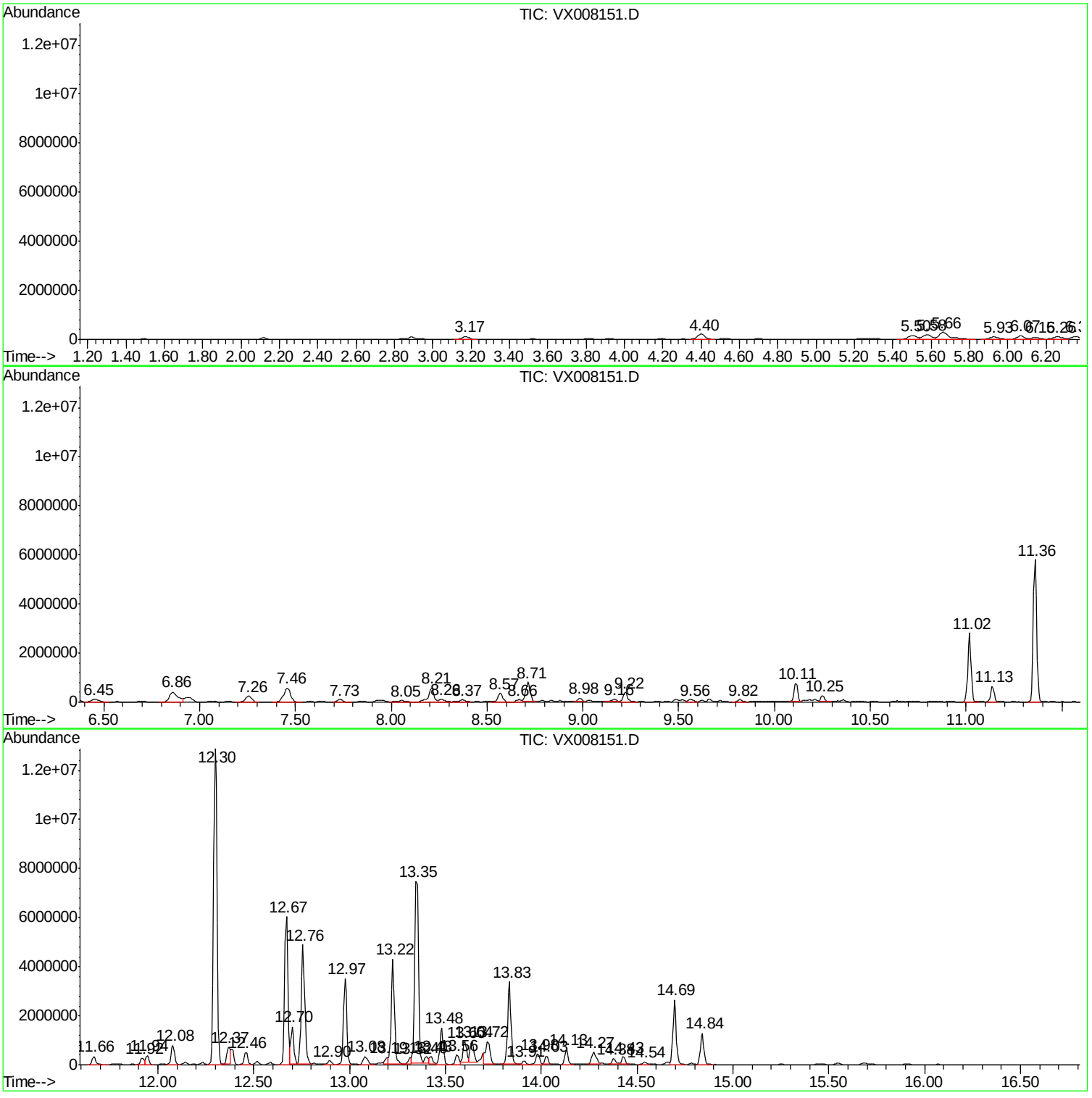
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031619\
Data File : VX008151.D
Acq On : 16 Mar 2019 19:47
Operator : JC/SP
Sample : K1960-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** T2-MW-4-8.0-031419

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031419W.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 X\DATA\VX031619\
Data File : VX008151.D
Acq On : 16 Mar 2019 19:47
Operator : JC/SP
Sample : K1960-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** T2-MW-4-8.0-031419

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031419W.M
Quant Title : SW846 8260

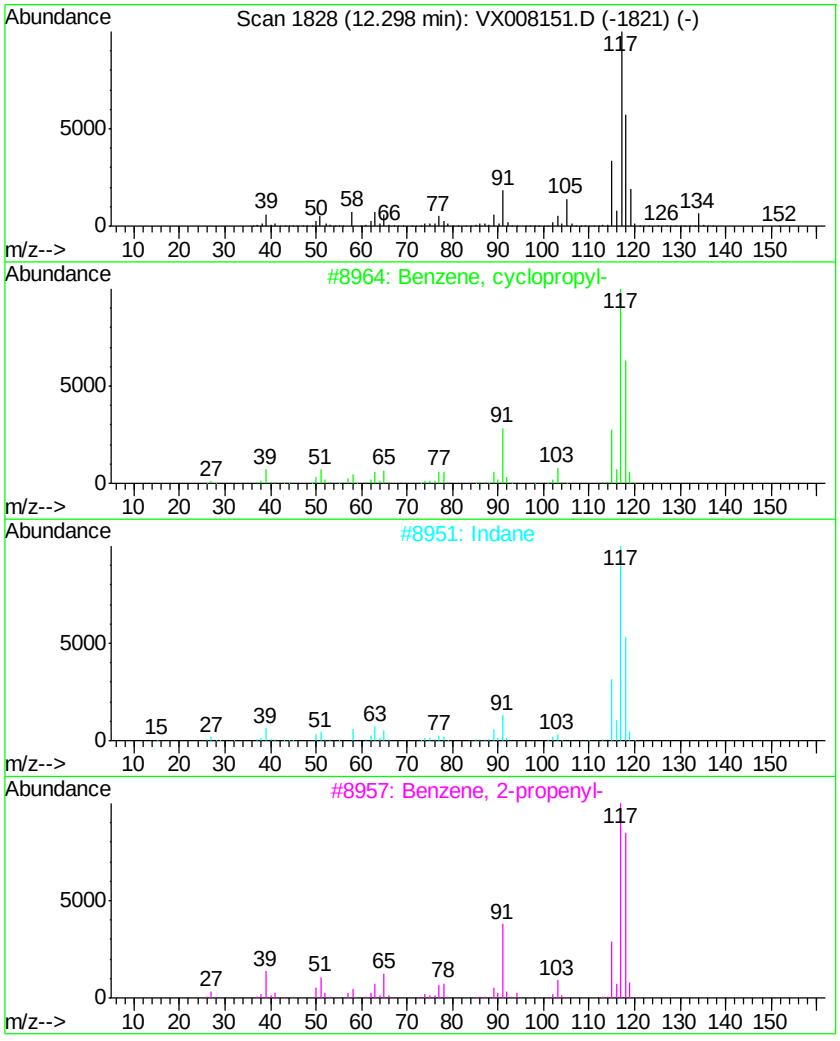
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

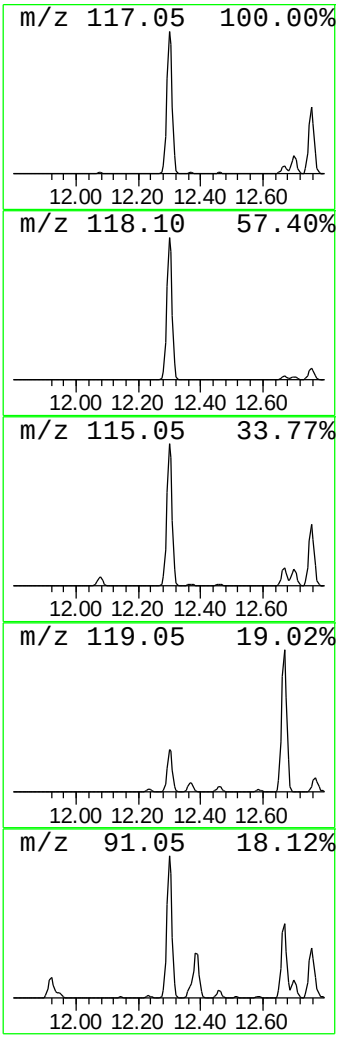
**********

Peak Number 1 Benzene, cyclopropyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.30 | 821.62 ug/l | 16193700 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, cyclopropyl- | 118 | C9H10 | 000873-49-4 | 76 |
| 2 | Indane | 118 | C9H10 | 000496-11-7 | 76 |
| 3 | Benzene, 2-propenyl- | 118 | C9H10 | 000300-57-2 | 76 |
| 4 | Deltacyclene | 118 | C9H10 | 007785-10-6 | 58 |
| 5 | Benzene, 1-ethenyl-2-methyl- | 118 | C9H10 | 000611-15-4 | 55 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX031619\
Data File : VX008151.D
Acq On : 16 Mar 2019 19:47
Operator : JC/SP
Sample : K1960-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** T2-MW-4-8.0-031419

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031419W.M
Quant Title : SW846 8260

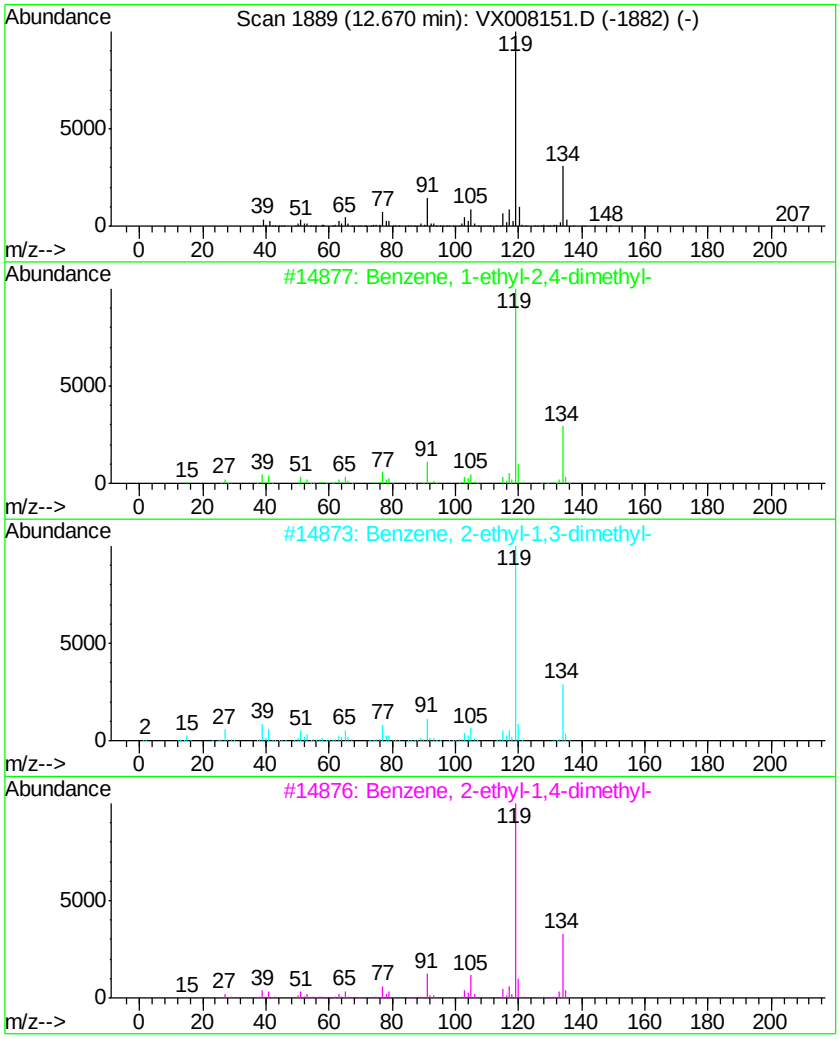
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

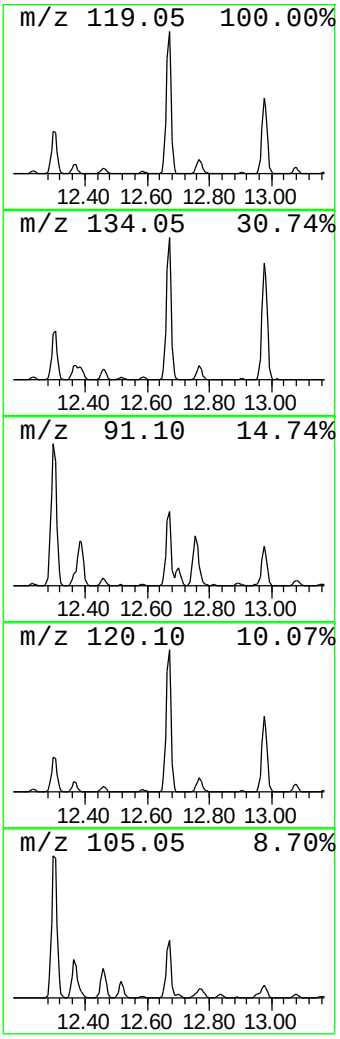
**********

Peak Number 2 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.67 | 369.93 ug/l | 7291110 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-2,4-dimethyl- | 134 | C10H14 | 000874-41-9 | 97 |
| 2 | Benzene, 2-ethyl-1,3-dimethyl- | 134 | C10H14 | 002870-04-4 | 95 |
| 3 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 95 |
| 4 | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14 | 000535-77-3 | 95 |
| 5 | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14 | 000934-80-5 | 95 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031619\
Data File : VX008151.D
Acq On : 16 Mar 2019 19:47
Operator : JC/SP
Sample : K1960-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** T2-MW-4-8.0-031419

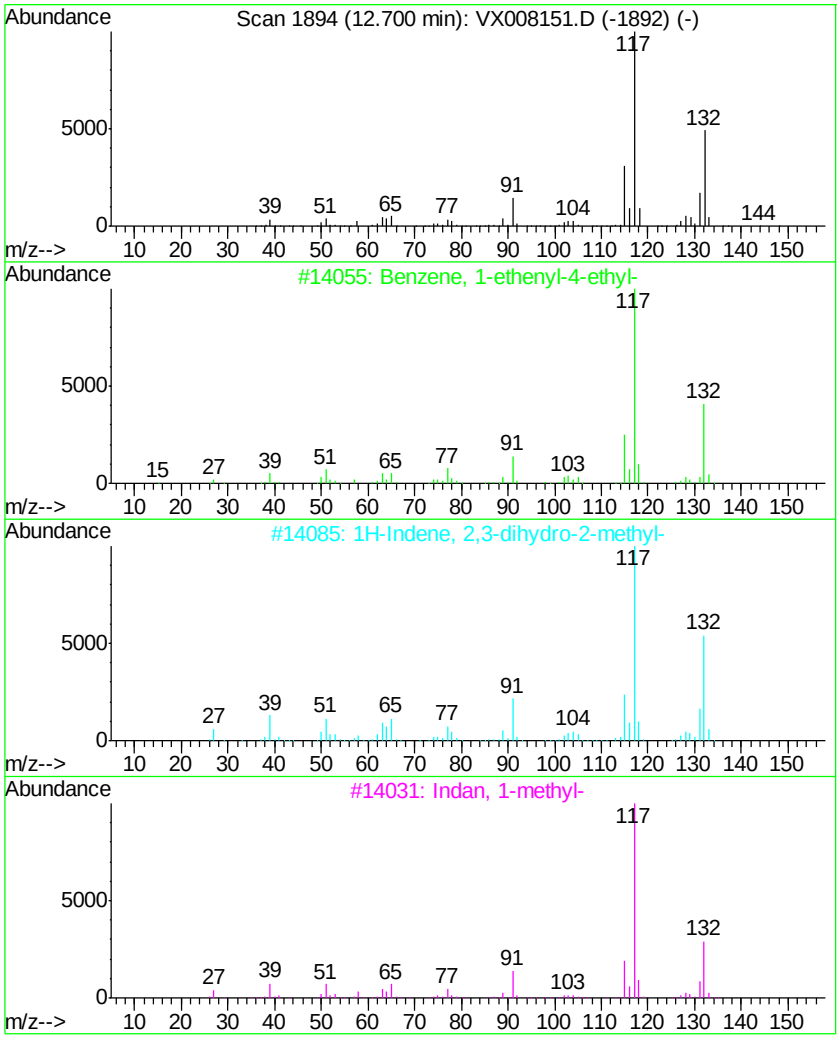
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031419W.M
Quant Title : SW846 8260

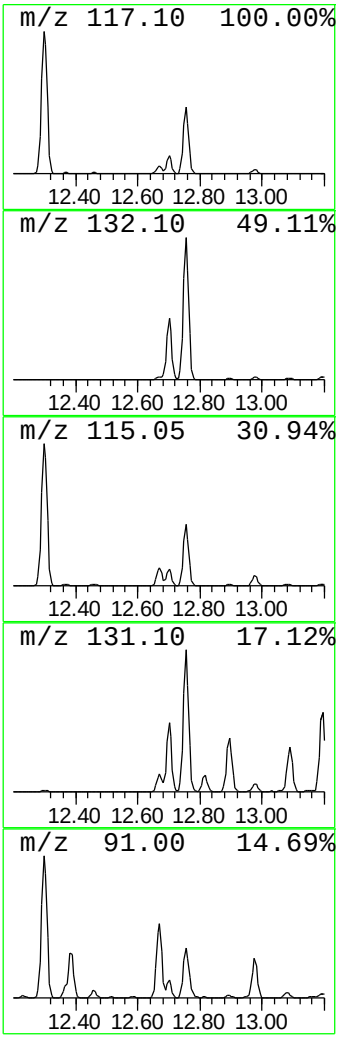
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.70 | 81.67 ug/l | 1609650 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethenyl-4-ethyl- | 132 | C10H12 | 003454-07-7 | 90 |
| 2 | 1H-Indene, 2,3-dihydro-2-methyl- | 132 | C10H12 | 000824-63-5 | 90 |
| 3 | Indan, 1-methyl- | 132 | C10H12 | 000767-58-8 | 90 |
| 4 | Benzene, (2-methylcyclopropyl)- | 132 | C10H12 | 1000327-39-0 | 87 |
| 5 | Benzene, 2-butenyl- | 132 | C10H12 | 001560-06-1 | 87 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031619\
Data File : VX008151.D
Acq On : 16 Mar 2019 19:47
Operator : JC/SP
Sample : K1960-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** T2-MW-4-8.0-031419

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031419W.M
Quant Title : SW846 8260

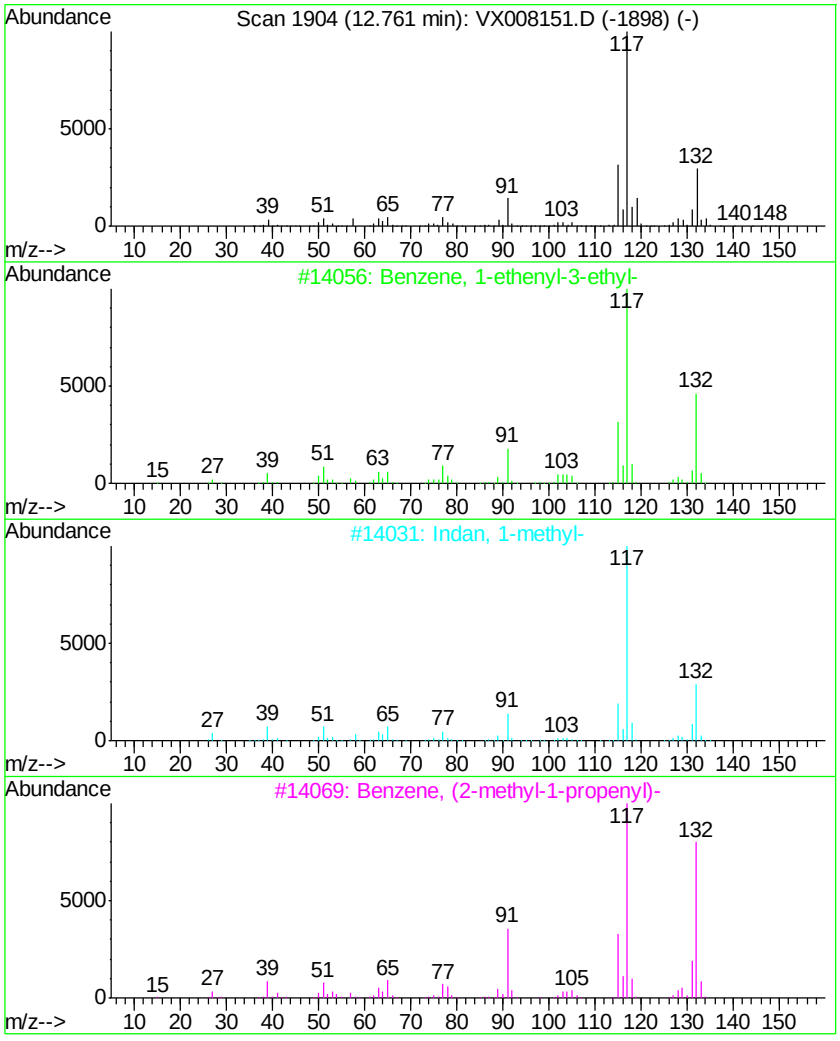
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

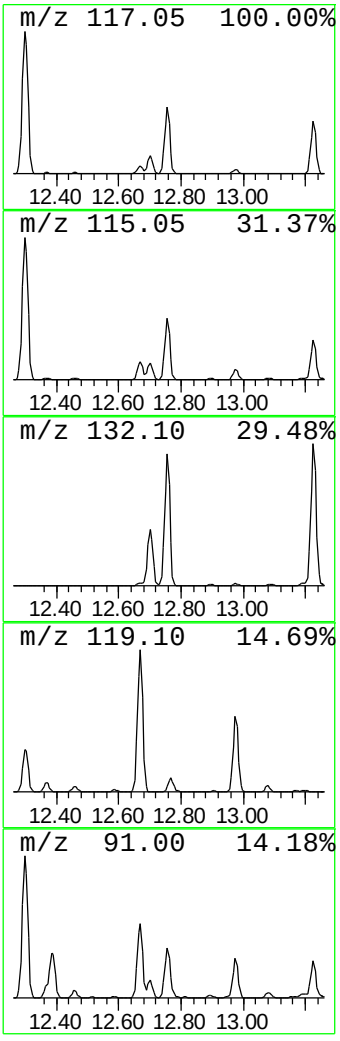
**********

Peak Number 4 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.76 | 325.39 ug/l | 6413200 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethenyl-3-ethyl- | 132 | C10H12 | 007525-62-4 | 90 |
| 2 | Indan, 1-methyl- | 132 | C10H12 | 000767-58-8 | 87 |
| 3 | Benzene, (2-methyl-1-propenyl)- | 132 | C10H12 | 000768-49-0 | 87 |
| 4 | Benzene, (2-methylcyclopropyl)- | 132 | C10H12 | 1000327-39-0 | 87 |
| 5 | Benzene, 1-ethenyl-4-ethyl- | 132 | C10H12 | 003454-07-7 | 87 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX031619\
Data File : VX008151.D
Acq On : 16 Mar 2019 19:47
Operator : JC/SP
Sample : K1960-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** T2-MW-4-8.0-031419

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031419W.M
Quant Title : SW846 8260

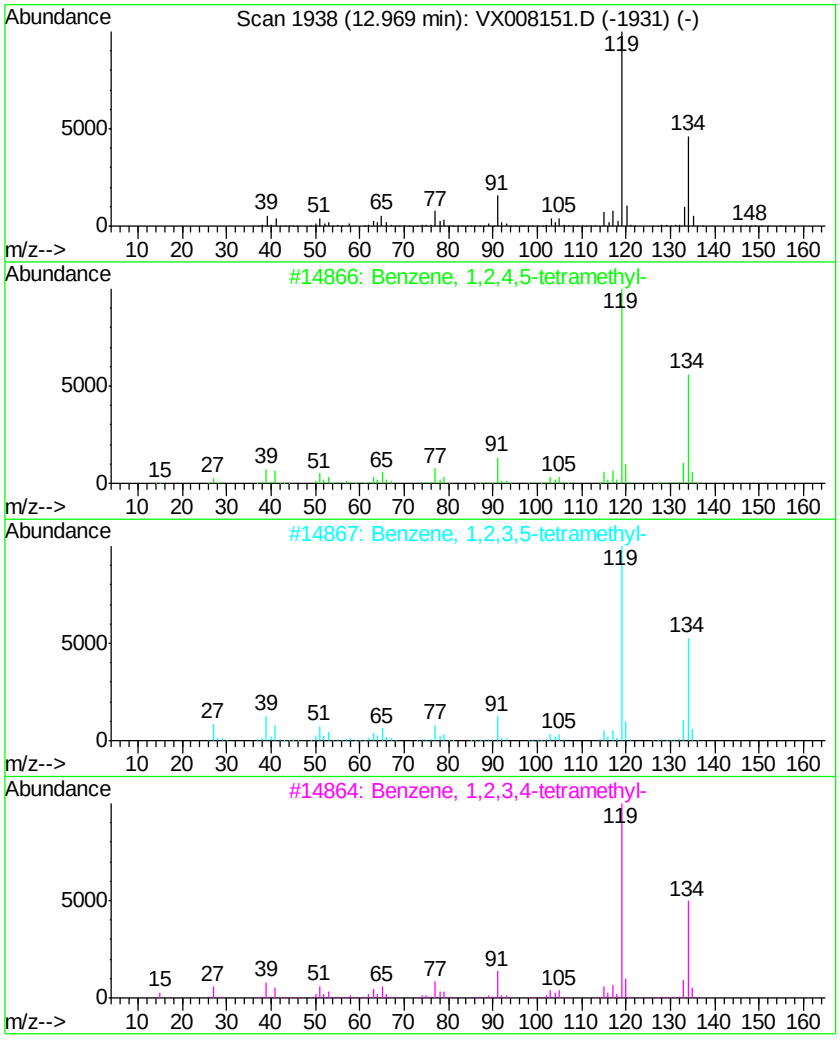
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

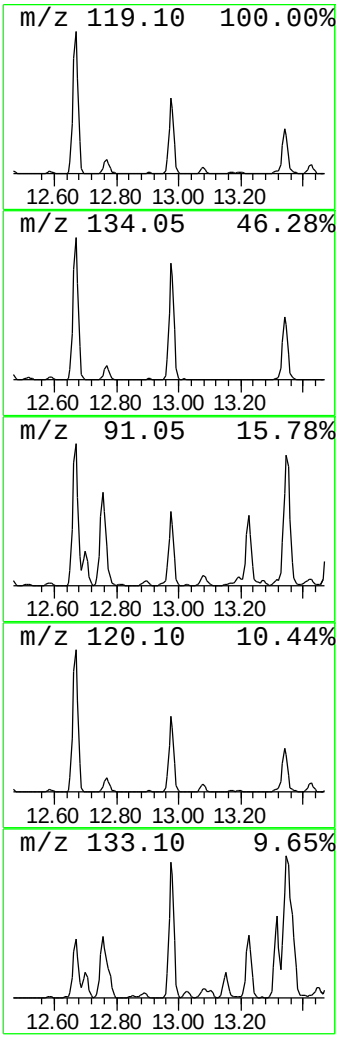
**********

Peak Number 5 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.97 | 212.33 ug/l | 4184950 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 97 |
| 2 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 97 |
| 3 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 97 |
| 4 | o-Cymene | 134 | C10H14 | 000527-84-4 | 95 |
| 5 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 93 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX031619\
Data File : VX008151.D
Acq On : 16 Mar 2019 19:47
Operator : JC/SP
Sample : K1960-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** T2-MW-4-8.0-031419

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031419W.M
Quant Title : SW846 8260

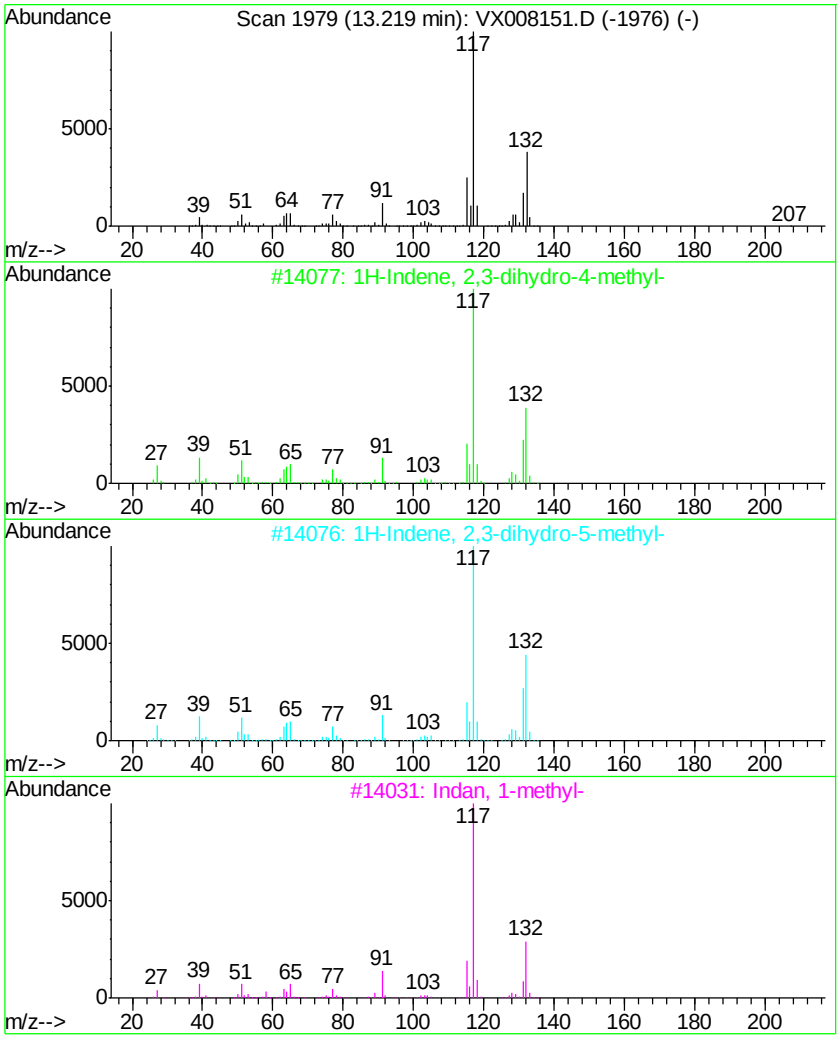
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

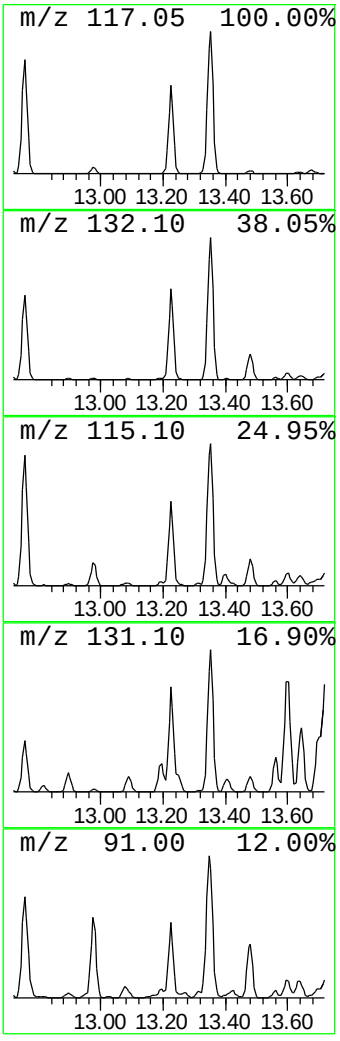
**********

Peak Number 6 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.22 | 263.89 ug/l | 5201140 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12 | 000824-22-6 | 95 |
| 2 | 1H-Indene, 2,3-dihydro-5-methyl- | 132 | C10H12 | 000874-35-1 | 93 |
| 3 | Indan, 1-methyl- | 132 | C10H12 | 000767-58-8 | 90 |
| 4 | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12 | 000767-99-7 | 87 |
| 5 | 3-Phenylbut-1-ene | 132 | C10H12 | 000934-10-1 | 87 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031619\
Data File : VX008151.D
Acq On : 16 Mar 2019 19:47
Operator : JC/SP
Sample : K1960-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** T2-MW-4-8.0-031419

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031419W.M
Quant Title : SW846 8260

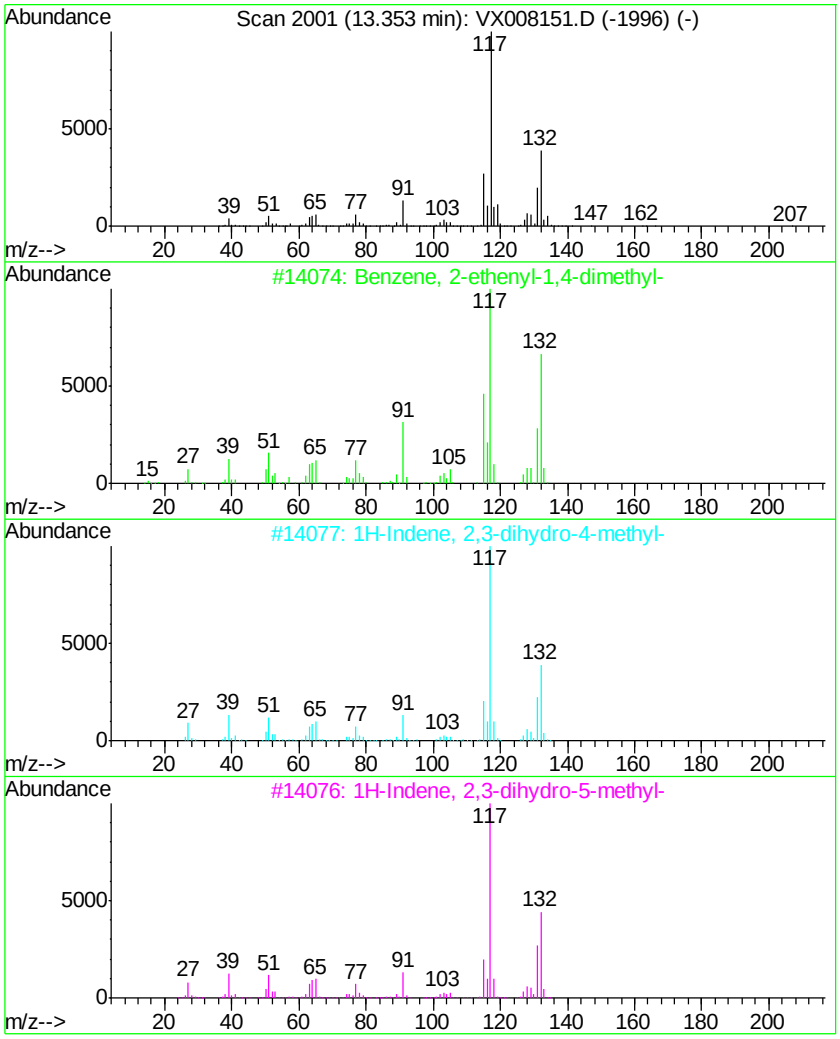
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

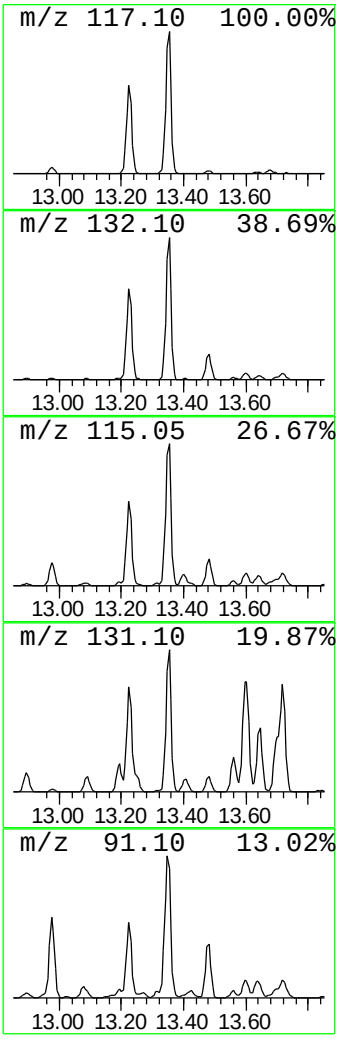
**********

Peak Number 7 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.35 | 528.05 ug/l | 10407600 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12 | 002039-89-6 | 96 |
| 2 | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12 | 000824-22-6 | 93 |
| 3 | 1H-Indene, 2,3-dihydro-5-methyl- | 132 | C10H12 | 000874-35-1 | 90 |
| 4 | 1-Phenyl-1-butene | 132 | C10H12 | 000824-90-8 | 87 |
| 5 | 3-Phenylbut-1-ene | 132 | C10H12 | 000934-10-1 | 87 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031619\
Data File : VX008151.D
Acq On : 16 Mar 2019 19:47
Operator : JC/SP
Sample : K1960-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** T2-MW-4-8.0-031419

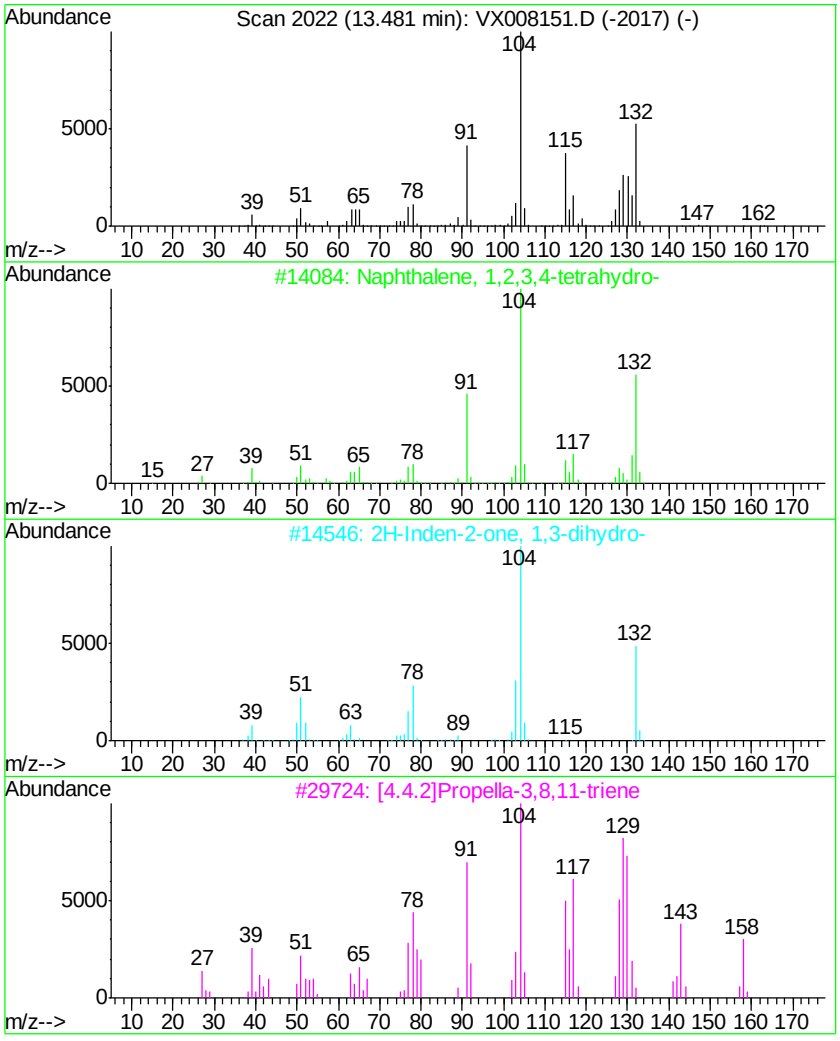
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031419W.M
Quant Title : SW846 8260

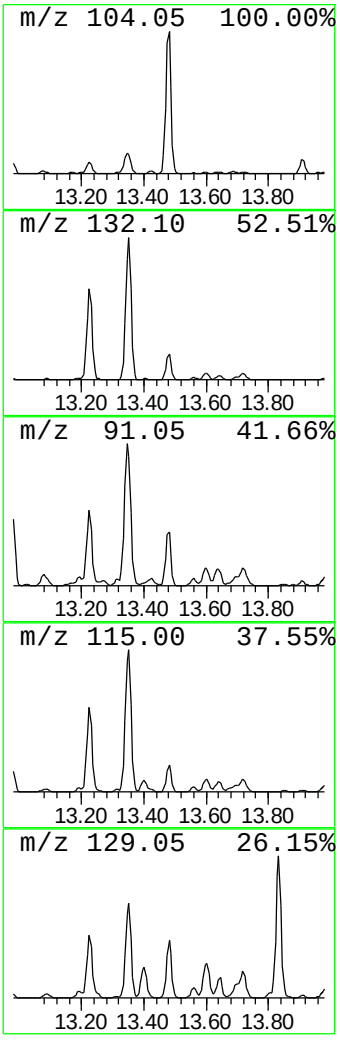
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 8 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.48 | 93.95 ug/l | 1851680 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,2,3,4-tetrahydro- | 132 | C10H12 | 000119-64-2 | 86 |
| 2 | 2H-Inden-2-one, 1,3-dihydro- | 132 | C9H8O | 000615-13-4 | 38 |
| 3 | [4.4.2]Propella-3,8,11-triene | 158 | C12H14 | 020295-17-4 | 35 |
| 4 | Benzene, 1,1'-(1,2-cyclobutanedi... | 208 | C16H16 | 020071-09-4 | 27 |
| 5 | 2-Furanone, 4-phenyltetrahydro | 162 | C10H10O2 | 1000197-38-4 | 27 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031619\
Data File : VX008151.D
Acq On : 16 Mar 2019 19:47
Operator : JC/SP
Sample : K1960-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** T2-MW-4-8.0-031419

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031419W.M
Quant Title : SW846 8260

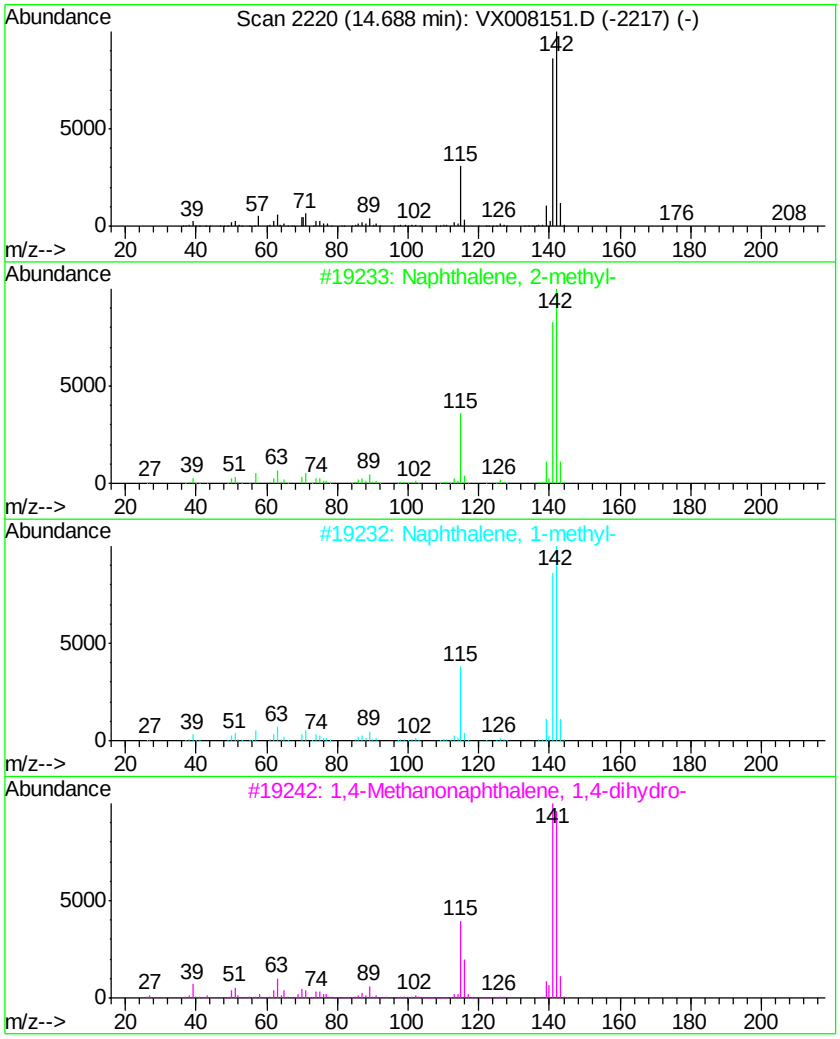
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

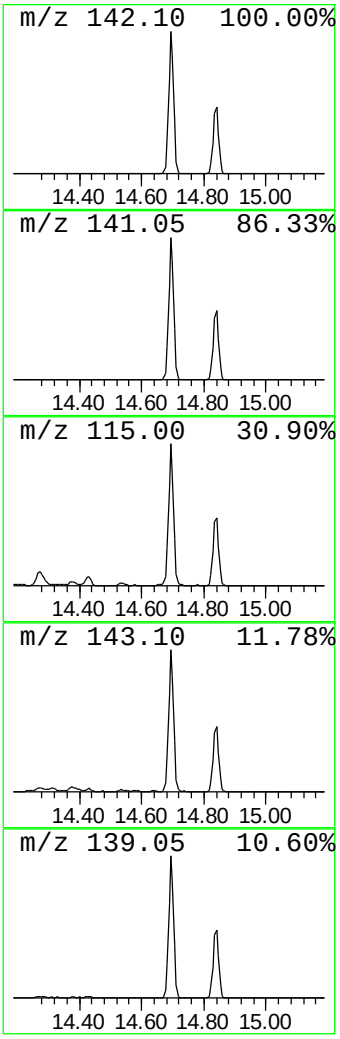
**********

Peak Number 9 Naphthalene, 1-methyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.69 | 164.26 ug/l | 3237390 | 1,4-Dichlorobenzene-d4 | 12.08 |

| 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 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX031619\
Data File : VX008151.D
Acq On : 16 Mar 2019 19:47
Operator : JC/SP
Sample : K1960-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** T2-MW-4-8.0-031419

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031419W.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, cyclopro... | 12.30 | 821.6 | ug/l | 16193700 | 4 | 12.08 | 985470 | 50.0 |
| Benzene, 1-ethyl-... | 12.67 | 369.9 | ug/l | 7291110 | 4 | 12.08 | 985470 | 50.0 |
| Benzene, 1-etheny... | 12.70 | 81.7 | ug/l | 1609650 | 4 | 12.08 | 985470 | 50.0 |
| Benzene, 1-etheny... | 12.76 | 325.4 | ug/l | 6413200 | 4 | 12.08 | 985470 | 50.0 |
| Benzene, 1,2,4,5-... | 12.97 | 212.3 | ug/l | 4184950 | 4 | 12.08 | 985470 | 50.0 |
| 1H-Indene, 2,3-di... | 13.22 | 263.9 | ug/l | 5201140 | 4 | 12.08 | 985470 | 50.0 |
| Benzene, 2-etheny... | 13.35 | 528.0 | ug/l | 10407600 | 4 | 12.08 | 985470 | 50.0 |
| Naphthalene, 1,2,... | 13.48 | 94.0 | ug/l | 1851680 | 4 | 12.08 | 985470 | 50.0 |
| Naphthalene, 1-me... | 14.69 | 164.3 | ug/l | 3237390 | 4 | 12.08 | 985470 | 50.0 |