LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091118\
Data File : VW005290.D
Acq On : 11 Sep 2018 21:25
Operator : SY/AP
Sample : J4769-05
Misc : 6.00G/5ML/MSVOA W/SOIL
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** HR-05-090718-C

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_W\METHOD\82W091018S.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 | 1.965 | 7 | 10 | 18 | rVB3 | 4865 | 10134 | 5.12% | 0.376% |
| 2 | 2.221 | 47 | 52 | 53 | rBV4 | 4099 | 5937 | 3.00% | 0.220% |
| 3 | 4.129 | 356 | 365 | 376 | rBV | 5404 | 14790 | 7.47% | 0.548% |
| 4 | 4.915 | 483 | 494 | 495 | rBV6 | 2681 | 5345 | 2.70% | 0.198% |
| 5 | 5.440 | 574 | 580 | 581 | rBV4 | 1382 | 2543 | 1.28% | 0.094% |
| 6 | 5.958 | 656 | 665 | 673 | rBV6 | 3520 | 10050 | 5.07% | 0.372% |
| 7 | 7.135 | 849 | 858 | 868 | rBV | 4031 | 11015 | 5.56% | 0.408% |
| 8 | 7.635 | 933 | 940 | 949 | rBV | 4224 | 10952 | 5.53% | 0.406% |
| 9 | 7.958 | 983 | 993 | 1003 | rBV2 | 70839 | 158924 | 80.22% | 5.889% |
| 10 | 8.317 | 1041 | 1052 | 1062 | rVB | 32514 | 75226 | 37.97% | 2.788% |
| 11 | 8.848 | 1130 | 1139 | 1150 | rBV | 94990 | 198105 | 100.00% | 7.341% |
| 12 | 9.341 | 1216 | 1220 | 1224 | rVB5 | 1566 | 2366 | 1.19% | 0.088% |
| 13 | 10.329 | 1375 | 1382 | 1388 | rBV | 112485 | 196896 | 99.39% | 7.297% |
| 14 | 10.396 | 1388 | 1393 | 1400 | rVB2 | 15411 | 28139 | 14.20% | 1.043% |
| 15 | 10.469 | 1400 | 1405 | 1421 | rBV | 54716 | 118864 | 60.00% | 4.405% |
| 16 | 10.713 | 1439 | 1445 | 1450 | rBV | 31459 | 74175 | 37.44% | 2.749% |
| 17 | 11.152 | 1509 | 1517 | 1518 | rBV8 | 3744 | 6434 | 3.25% | 0.238% |
| 18 | 11.189 | 1519 | 1523 | 1524 | rVV4 | 2170 | 3288 | 1.66% | 0.122% |
| 19 | 11.347 | 1546 | 1549 | 1552 | rBV4 | 1471 | 2245 | 1.13% | 0.083% |
| 20 | 11.640 | 1590 | 1597 | 1607 | rBV | 104815 | 187094 | 94.44% | 6.933% |
| 21 | 11.731 | 1609 | 1612 | 1621 | rVB9 | 2250 | 4433 | 2.24% | 0.164% |
| 22 | 11.841 | 1625 | 1630 | 1633 | rBV5 | 2549 | 4527 | 2.29% | 0.168% |
| 23 | 11.884 | 1633 | 1637 | 1640 | rVV4 | 2137 | 3620 | 1.83% | 0.134% |
| 24 | 11.914 | 1640 | 1642 | 1647 | rVB6 | 1657 | 2277 | 1.15% | 0.084% |
| 25 | 12.061 | 1663 | 1666 | 1671 | rVB7 | 1647 | 3298 | 1.66% | 0.122% |
| 26 | 12.140 | 1673 | 1679 | 1687 | rBV7 | 6664 | 19611 | 9.90% | 0.727% |
| 27 | 12.262 | 1695 | 1699 | 1704 | rVB | 9152 | 13254 | 6.69% | 0.491% |
| 28 | 12.304 | 1704 | 1706 | 1707 | rBV2 | 2502 | 2492 | 1.26% | 0.092% |
| 29 | 12.371 | 1709 | 1717 | 1724 | rVV8 | 9702 | 31585 | 15.94% | 1.170% |
| 30 | 12.548 | 1743 | 1746 | 1752 | rVB3 | 9658 | 17444 | 8.81% | 0.646% |
| 31 | 12.621 | 1752 | 1758 | 1766 | rBV2 | 75178 | 131084 | 66.17% | 4.858% |
| 32 | 12.707 | 1769 | 1772 | 1774 | rBV3 | 2762 | 2907 | 1.47% | 0.108% |
| 33 | 12.786 | 1777 | 1785 | 1792 | rBV6 | 21269 | 46541 | 23.49% | 1.725% |
| 34 | 12.871 | 1792 | 1799 | 1802 | rBV5 | 16952 | 30883 | 15.59% | 1.144% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091118\
Data File : VW005290.D
Acq On : 11 Sep 2018 21:25
Operator : SY/AP
Sample : J4769-05
Misc : 6.00G/5ML/MSVOA W/SOIL
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** HR-05-090718-C

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_W\METHOD\82W091018S.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 12.951 | 1803 | 1812 | 1817 | rBV4 | 35853 | 75370 | 38.05% | 2.793% |
| 36 | 13.085 | 1830 | 1834 | 1839 | rBV5 | 12669 | 27798 | 14.03% | 1.030% |
| 37 | 13.170 | 1845 | 1848 | 1856 | rVB2 | 37650 | 56535 | 28.54% | 2.095% |
| 38 | 13.262 | 1858 | 1863 | 1867 | rBV | 40689 | 63118 | 31.86% | 2.339% |
| 39 | 13.304 | 1867 | 1870 | 1874 | rVB6 | 6617 | 7336 | 3.70% | 0.272% |
| 40 | 13.353 | 1874 | 1878 | 1881 | rBV5 | 11842 | 18149 | 9.16% | 0.673% |
| 41 | 13.457 | 1888 | 1895 | 1898 | rBV6 | 38054 | 73071 | 36.88% | 2.708% |
| 42 | 13.493 | 1898 | 1901 | 1905 | rVB6 | 16975 | 22627 | 11.42% | 0.839% |
| 43 | 13.566 | 1909 | 1913 | 1916 | rBV | 56945 | 91756 | 46.32% | 3.400% |
| 44 | 13.633 | 1922 | 1924 | 1928 | rVB3 | 12398 | 12205 | 6.16% | 0.452% |
| 45 | 13.707 | 1931 | 1936 | 1941 | rBV7 | 15034 | 38608 | 19.49% | 1.431% |
| 46 | 13.755 | 1941 | 1944 | 1948 | rVV2 | 20467 | 30190 | 15.24% | 1.119% |
| 47 | 13.798 | 1948 | 1951 | 1959 | rVB3 | 28360 | 52319 | 26.41% | 1.939% |
| 48 | 13.889 | 1961 | 1966 | 1970 | rBV2 | 45645 | 76446 | 38.59% | 2.833% |
| 49 | 13.957 | 1975 | 1977 | 1980 | rVV | 5933 | 7426 | 3.75% | 0.275% |
| 50 | 14.018 | 1985 | 1987 | 1990 | rVV3 | 24262 | 41059 | 20.73% | 1.522% |
| 51 | 14.048 | 1990 | 1992 | 1996 | rVV2 | 29101 | 46849 | 23.65% | 1.736% |
| 52 | 14.103 | 1998 | 2001 | 2006 | rVB | 32562 | 48636 | 24.55% | 1.802% |
| 53 | 14.213 | 2014 | 2019 | 2024 | rBV3 | 32663 | 59168 | 29.87% | 2.193% |
| 54 | 14.267 | 2024 | 2028 | 2036 | rVB9 | 11368 | 28150 | 14.21% | 1.043% |
| 55 | 14.347 | 2036 | 2041 | 2044 | rBV2 | 16831 | 31385 | 15.84% | 1.163% |
| 56 | 14.395 | 2045 | 2049 | 2052 | rBV4 | 23637 | 34029 | 17.18% | 1.261% |
| 57 | 14.469 | 2057 | 2061 | 2065 | rVV | 22152 | 32776 | 16.54% | 1.215% |
| 58 | 14.511 | 2065 | 2068 | 2071 | rVV2 | 10767 | 13523 | 6.83% | 0.501% |
| 59 | 14.554 | 2071 | 2075 | 2081 | rVB4 | 19770 | 36761 | 18.56% | 1.362% |
| 60 | 14.694 | 2095 | 2098 | 2103 | rBV4 | 7631 | 14572 | 7.36% | 0.540% |
| 61 | 14.743 | 2103 | 2106 | 2111 | rVB | 9937 | 14551 | 7.35% | 0.539% |
| 62 | 14.804 | 2111 | 2116 | 2123 | rBV3 | 33259 | 78369 | 39.56% | 2.904% |
| 63 | 14.871 | 2123 | 2127 | 2132 | rVB6 | 6848 | 11981 | 6.05% | 0.444% |
| 64 | 14.969 | 2138 | 2143 | 2148 | rVB2 | 20285 | 33254 | 16.79% | 1.232% |
| 65 | 15.078 | 2156 | 2161 | 2164 | rBV7 | 7928 | 14427 | 7.28% | 0.535% |
| 66 | 15.194 | 2174 | 2180 | 2187 | rVB6 | 8757 | 19972 | 10.08% | 0.740% |
| 67 | 15.432 | 2214 | 2219 | 2224 | rBV7 | 4680 | 9147 | 4.62% | 0.339% |
| 68 | 15.475 | 2224 | 2226 | 2228 | rVV3 | 2655 | 2785 | 1.41% | 0.103% |
| 69 | 15.517 | 2228 | 2233 | 2242 | rVB7 | 6748 | 14849 | 7.50% | 0.550% |
| 70 | 15.828 | 2281 | 2284 | 2287 | rVV4 | 1665 | 3086 | 1.56% | 0.114% |
| 71 | 15.871 | 2287 | 2291 | 2299 | rVB10 | 4782 | 10823 | 5.46% | 0.401% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091118\
Data File : VW005290.D
Acq On : 11 Sep 2018 21:25
Operator : SY/AP
Sample : J4769-05
Misc : 6.00G/5ML/MSVOA W/SOIL
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** HR-05-090718-C

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_W\METHOD\82W091018S.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 16.194 | 2339 | 2344 | 2349 | rBV7 | 2546 | 4928 | 2.49% | 0.183% |
| 73 | 16.395 | 2372 | 2377 | 2379 | rBV5 | 2012 | 3947 | 1.99% | 0.146% |

Sum of corrected areas: 2698459

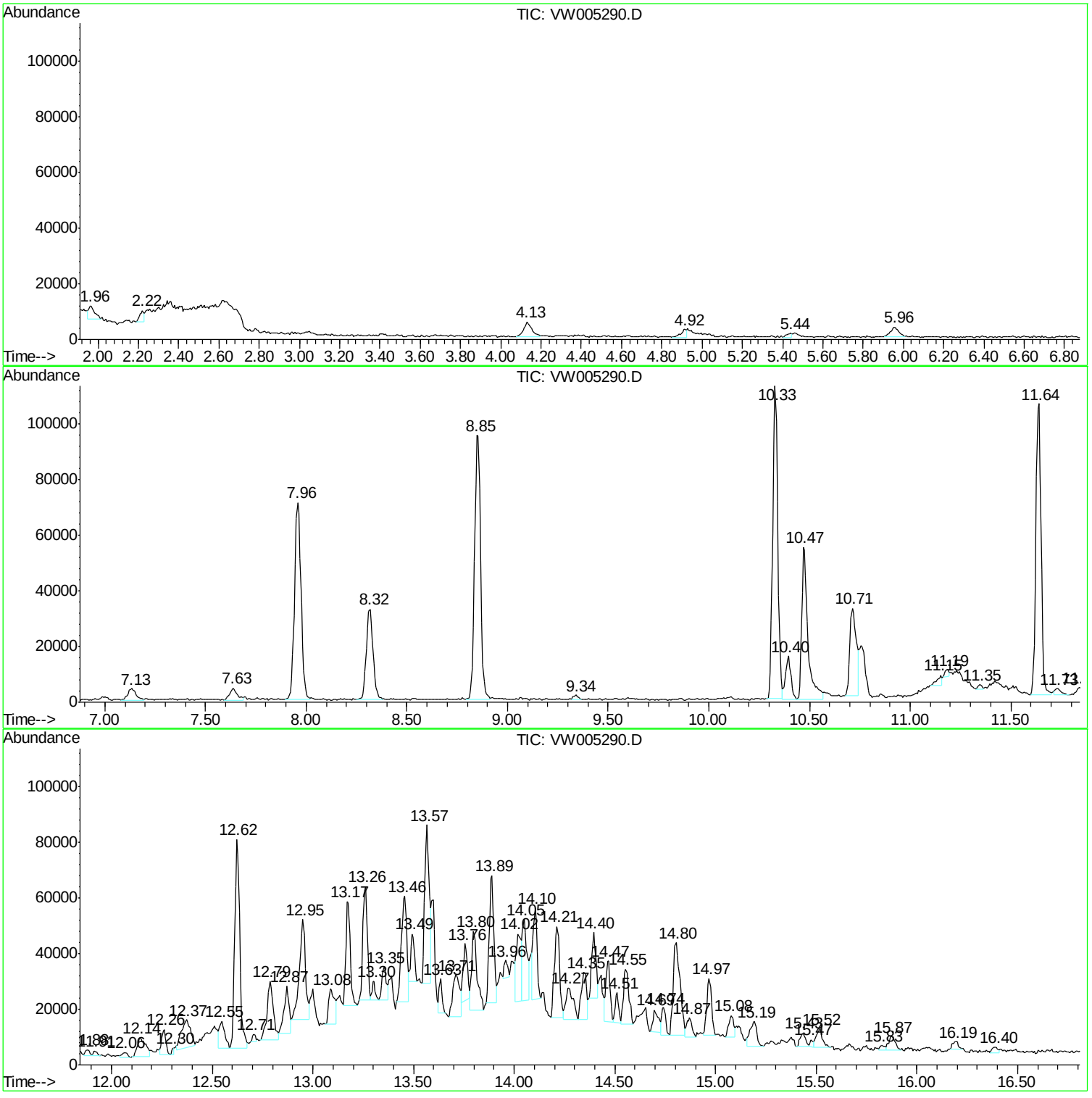
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091118\
Data File : VW005290.D
Acq On : 11 Sep 2018 21:25
Operator : SY/AP
Sample : J4769-05
Misc : 6.00G/5ML/MSVOA W/SOIL
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** HR-05-090718-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.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 W\DATA\VW091118\
Data File : VW005290.D
Acq On : 11 Sep 2018 21:25
Operator : SY/AP
Sample : J4769-05
Misc : 6.00G/5ML/MSVOA W/SOIL
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** HR-05-090718-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.M
Quant Title : SW846 8260

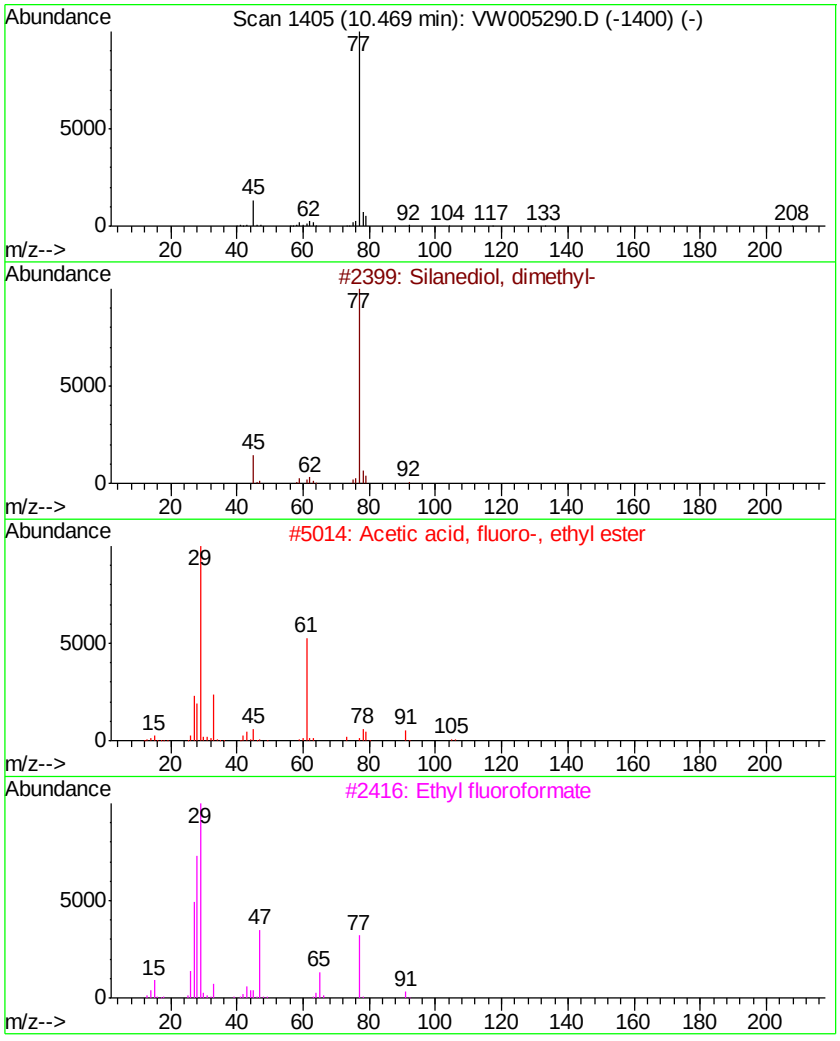
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

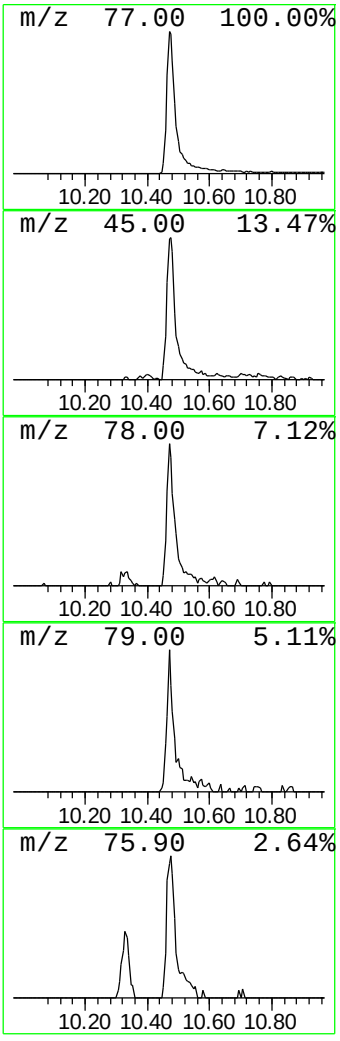
**********

Peak Number 1 unknown10.47 Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.47 | 31.77 ug/l | 118864 | Chlorobenzene-d5 | 11.64 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Silanediol, dimethyl- | 92 | C2H8O2Si | 001066-42-8 | 49 |
| 2 | Acetic acid, fluoro-, ethyl ester | 106 | C4H7FO2 | 000459-72-3 | 2 |
| 3 | Ethyl fluoroformate | 92 | C3H5FO2 | 000461-64-3 | 2 |
| 4 | Mercaptamine | 77 | C2H7NS | 000060-23-1 | 2 |
| 5 | Propane, 1,1-dichloro- | 112 | C3H6Cl2 | 000078-99-9 | 1 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091118\
Data File : VW005290.D
Acq On : 11 Sep 2018 21:25
Operator : SY/AP
Sample : J4769-05
Misc : 6.00G/5ML/MSVOA_W/SOIL
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** HR-05-090718-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.M
Quant Title : SW846 8260

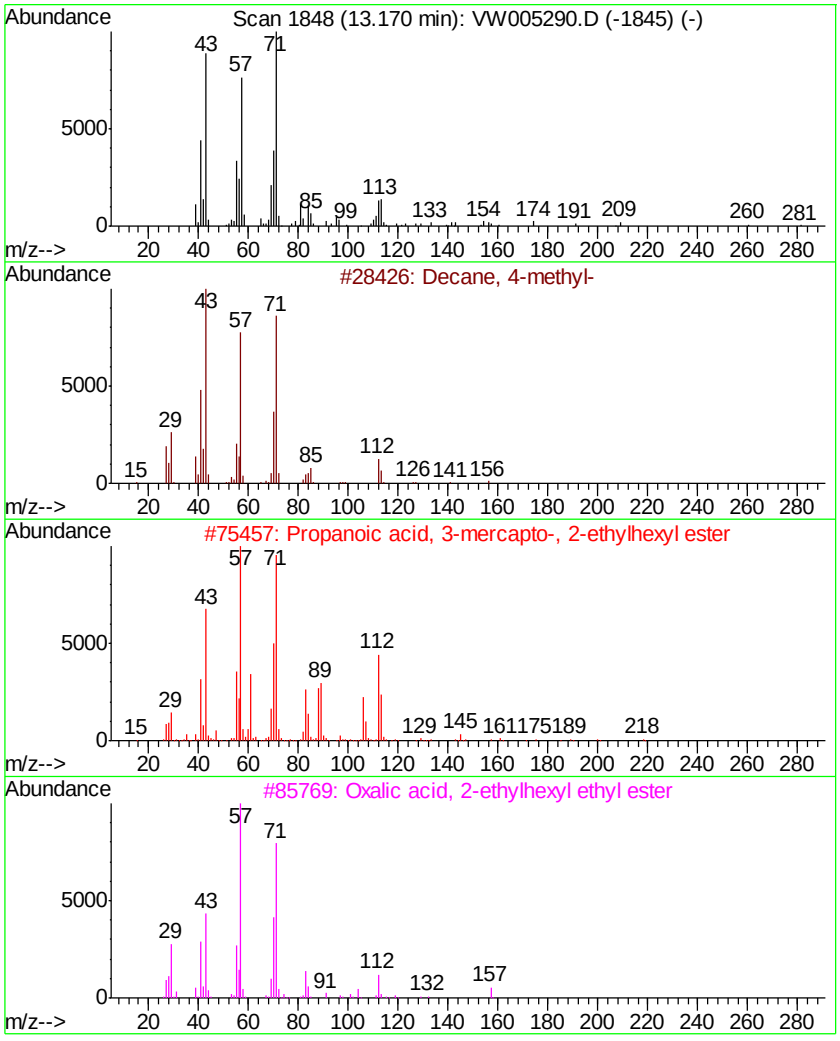
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

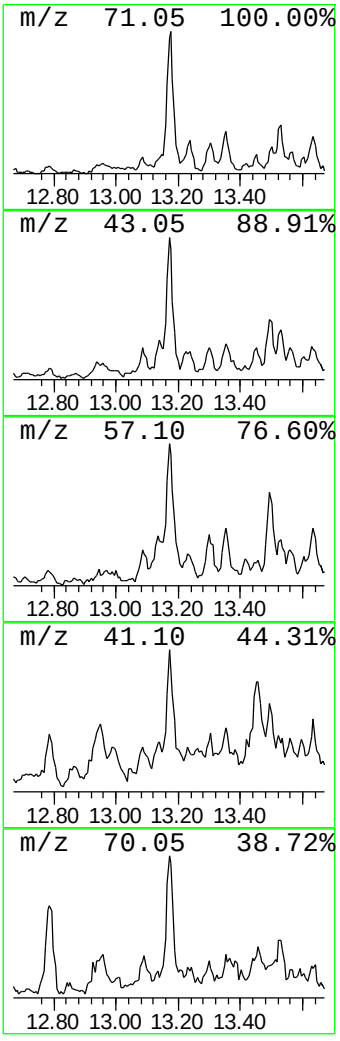
**********

Peak Number 2 Decane, 4-methyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.17 | 30.81 ug/l | 56535 | 1,4-Dichlorobenzene-d4 | 13.57 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Decane, 4-methyl- | 156 | C11H24 | 002847-72-5 | 78 |
| 2 | Propanoic acid, 3-mercapto-, 2-e... | 218 | C11H22O2S | 050448-95-8 | 78 |
| 3 | Oxalic acid, 2-ethylhexyl ethyl ... | 230 | C12H22O4 | 1000309-38-4 | 72 |
| 4 | Sulfurous acid, butyl octyl ester | 250 | C12H26O3S | 1000309-17-5 | 64 |
| 5 | Oxalic acid, 2-ethylhexyl tetrad... | 398 | C24H46O4 | 1000309-39-7 | 64 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091118\
Data File : VW005290.D
Acq On : 11 Sep 2018 21:25
Operator : SY/AP
Sample : J4769-05
Misc : 6.00G/5ML/MSVOA W/SOIL
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** HR-05-090718-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.M
Quant Title : SW846 8260

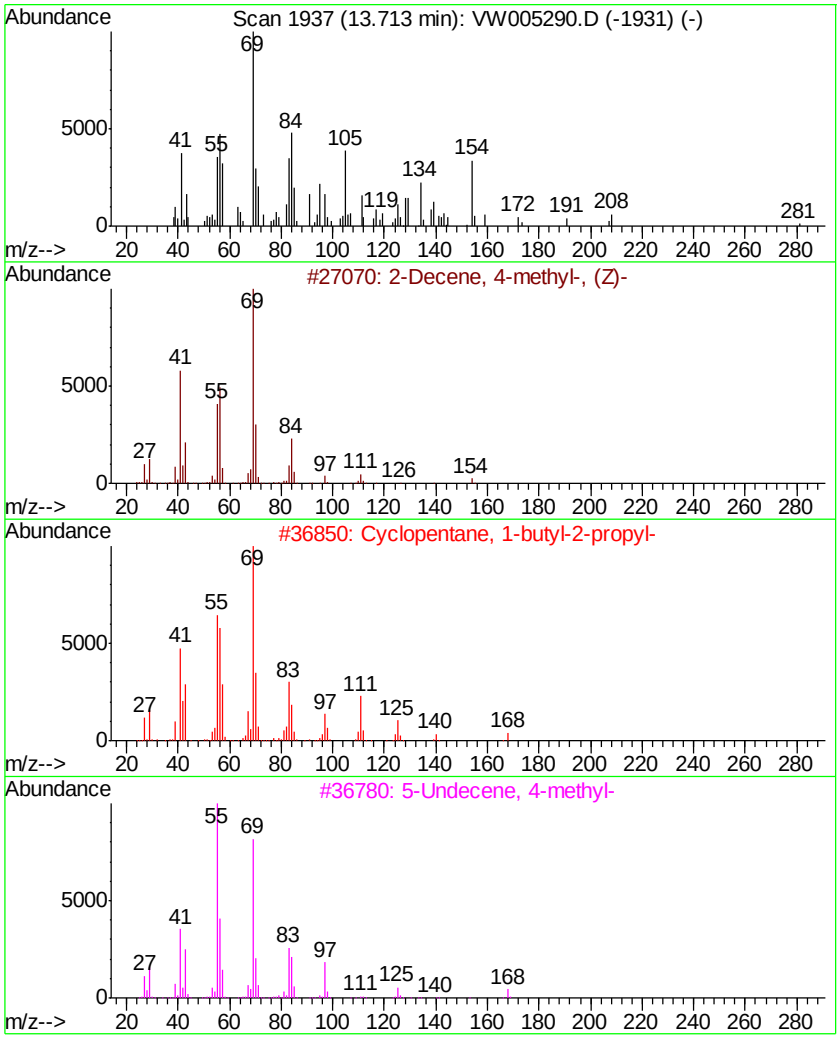
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

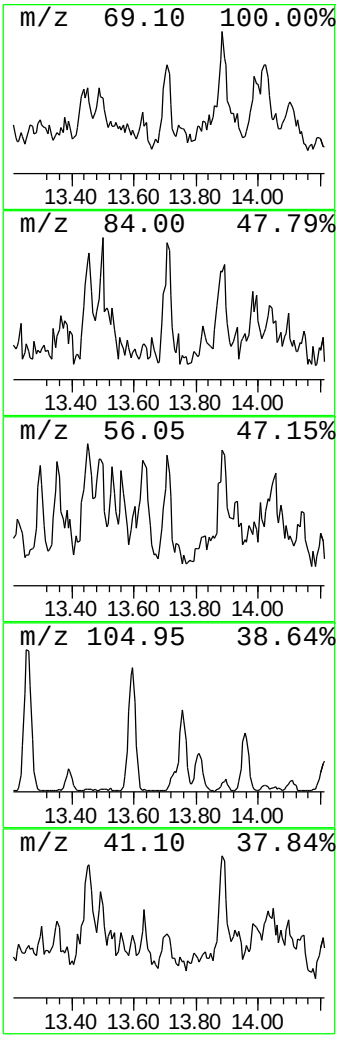
**********

Peak Number 3 2-Decene, 4-methyl-, (Z)- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.71 | 21.04 ug/l | 38608 | 1,4-Dichlorobenzene-d4 | 13.57 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Decene, 4-methyl-, (Z)- | 154 | C11H22 | 074630-30-1 | 53 |
| 2 | Cyclopentane, 1-butyl-2-propyl- | 168 | C12H24 | 062199-50-2 | 50 |
| 3 | 5-Undecene, 4-methyl- | 168 | C12H24 | 143185-91-5 | 47 |
| 4 | Heptane, 2-methyl-3-methylene- | 126 | C9H18 | 062187-11-5 | 43 |
| 5 | 2-Dodecene, 4-methyl- | 182 | C13H26 | 056851-45-7 | 43 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091118\
Data File : VW005290.D
Acq On : 11 Sep 2018 21:25
Operator : SY/AP
Sample : J4769-05
Misc : 6.00G/5ML/MSVOA_W/SOIL
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** HR-05-090718-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.M
Quant Title : SW846 8260

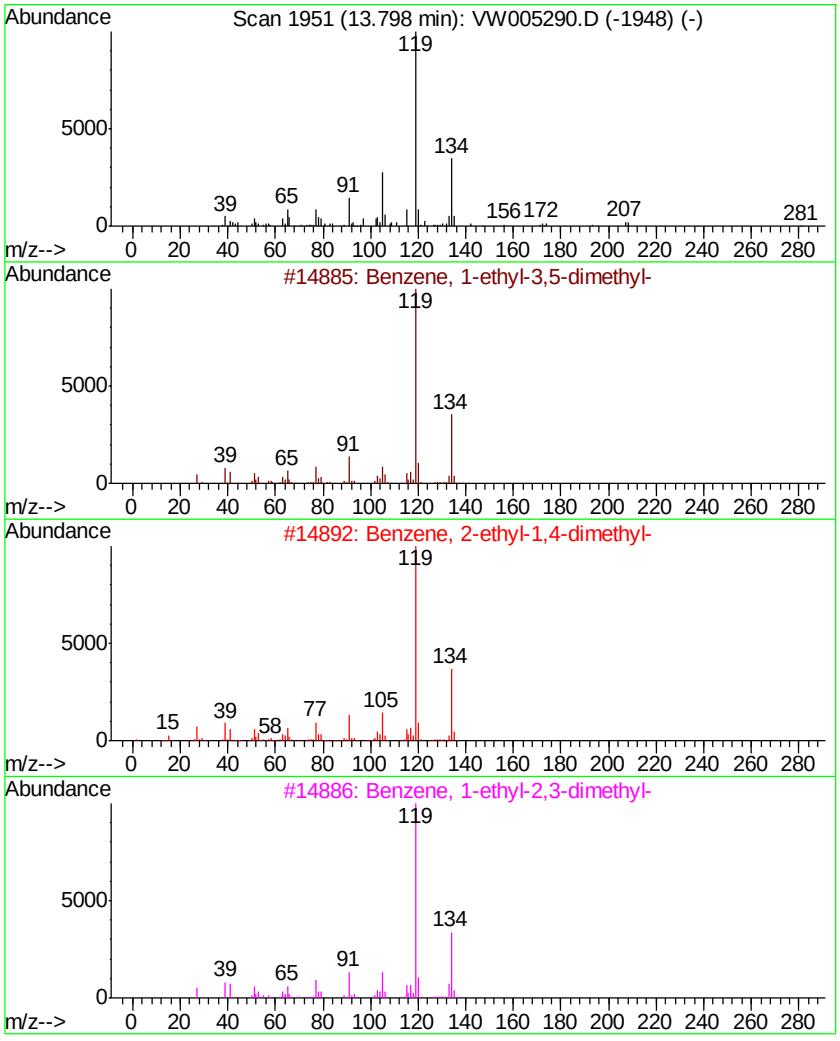
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

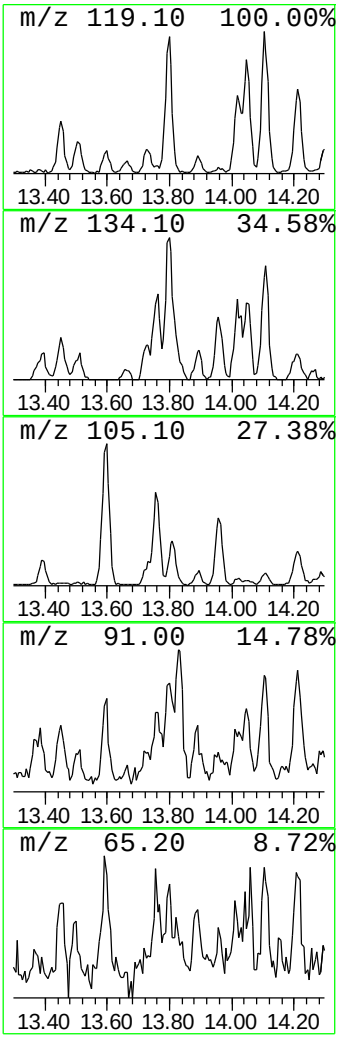
**********

Peak Number 4 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.80 | 28.51 ug/l | 52319 | 1,4-Dichlorobenzene-d4 | 13.57 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-3,5-dimethyl- | 134 | C10H14 | 000934-74-7 | 87 |
| 2 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 83 |
| 3 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 83 |
| 4 | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14 | 000934-80-5 | 80 |
| 5 | Benzene, 2-ethyl-1,3-dimethyl- | 134 | C10H14 | 002870-04-4 | 72 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091118\
Data File : VW005290.D
Acq On : 11 Sep 2018 21:25
Operator : SY/AP
Sample : J4769-05
Misc : 6.00G/5ML/MSVOA W/SOIL
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** HR-05-090718-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.M
Quant Title : SW846 8260

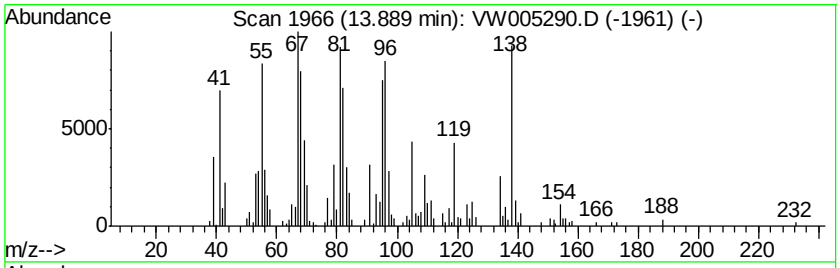
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

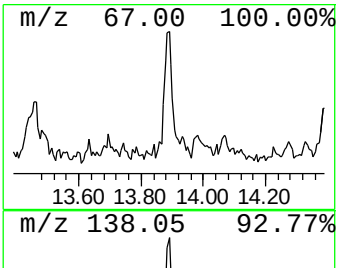
**********

Peak Number 5 Naphthalene, decahydro- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.89 | 41.66 ug/l | 76446 | 1,4-Dichlorobenzene-d4 | 13.57 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, decahydro- | 138 | C10H18 | 000091-17-8 | 96 |
| 2 | Naphthalene, decahydro-, cis- | 138 | C10H18 | 000493-01-6 | 93 |
| 3 | Naphthalene, decahydro-, trans- | 138 | C10H18 | 000493-02-7 | 86 |
| 4 | Spiro[4.5]decane | 138 | C10H18 | 000176-63-6 | 76 |
| 5 | Cyclohexane, 1-methyl-3-(1-methy... | 138 | C10H18 | 024399-15-3 | 70 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091118\
Data File : VW005290.D
Acq On : 11 Sep 2018 21:25
Operator : SY/AP
Sample : J4769-05
Misc : 6.00G/5ML/MSVOA W/SOIL
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** HR-05-090718-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.M
Quant Title : SW846 8260

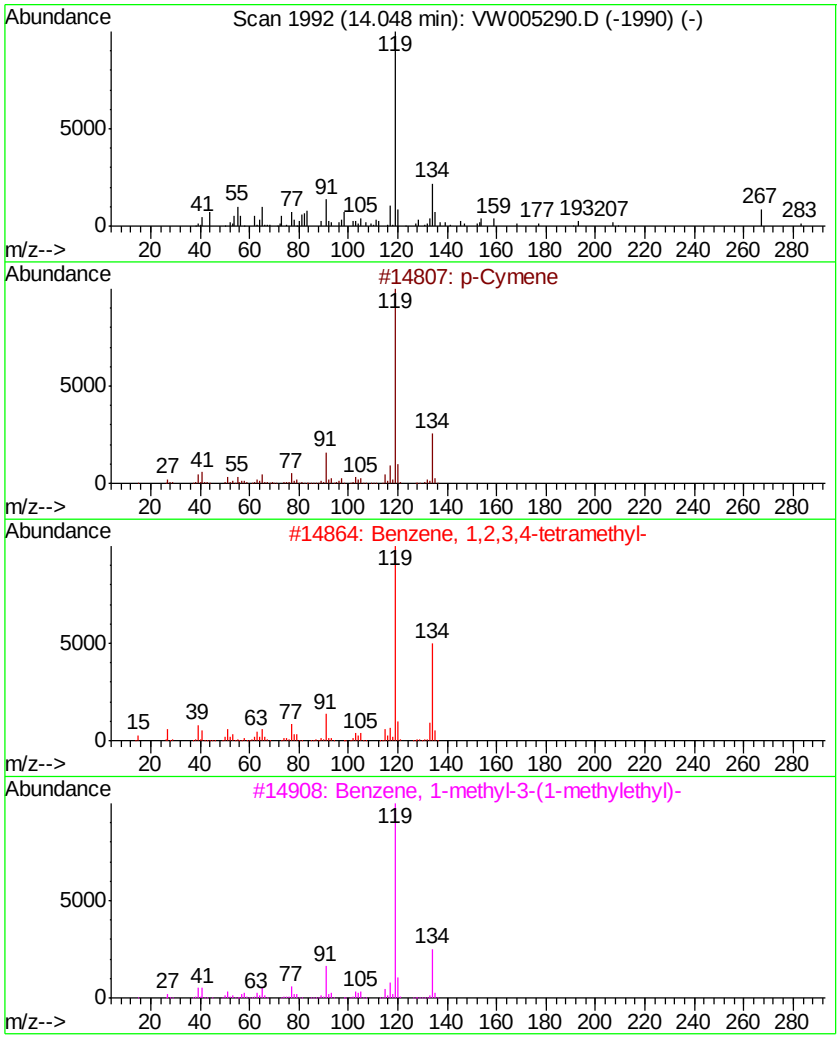
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

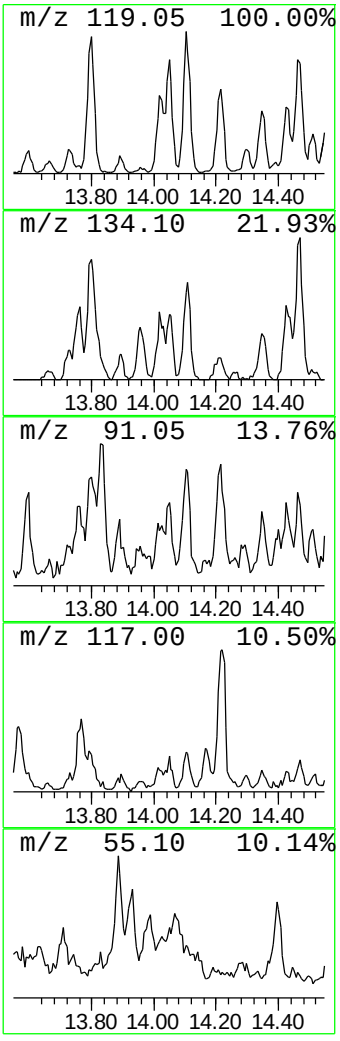
**********

Peak Number 7 p-Cymene Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.05 | 25.53 ug/l | 46849 | 1,4-Dichlorobenzene-d4 | 13.57 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | p-Cymene | 134 | C10H14 | 000099-87-6 | 81 |
| 2 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 80 |
| 3 | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14 | 000535-77-3 | 74 |
| 4 | o-Cymene | 134 | C10H14 | 000527-84-4 | 74 |
| 5 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 72 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091118\
Data File : VW005290.D
Acq On : 11 Sep 2018 21:25
Operator : SY/AP
Sample : J4769-05
Misc : 6.00G/5ML/MSVOA_W/SOIL
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** HR-05-090718-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.M
Quant Title : SW846 8260

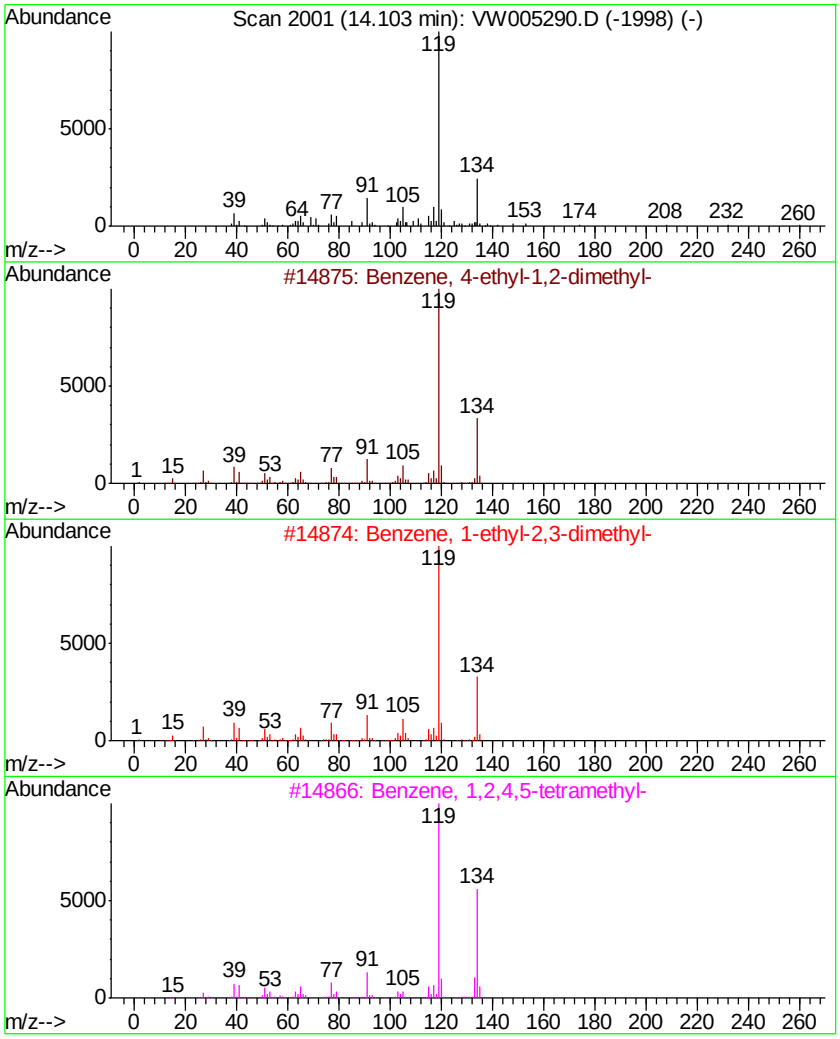
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

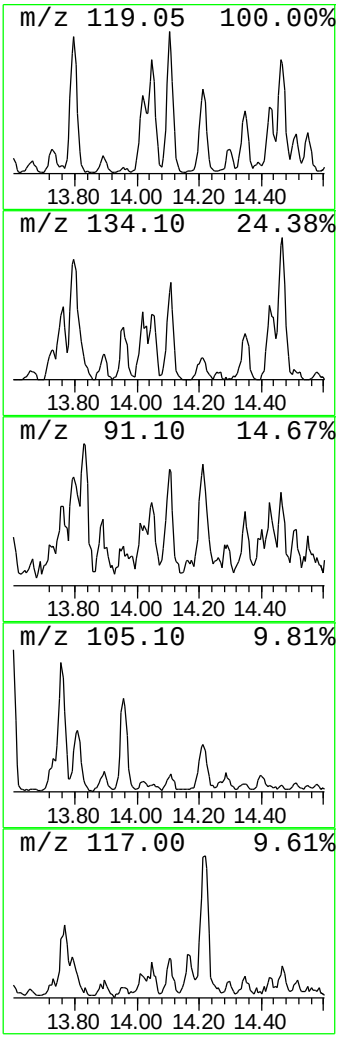
**********

Peak Number 8 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.10 | 26.50 ug/l | 48636 | 1,4-Dichlorobenzene-d4 | 13.57 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14 | 000934-80-5 | 91 |
| 2 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 91 |
| 3 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 91 |
| 4 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 90 |
| 5 | Benzene, 1-ethyl-3,5-dimethyl- | 134 | C10H14 | 000934-74-7 | 90 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091118\
Data File : VW005290.D
Acq On : 11 Sep 2018 21:25
Operator : SY/AP
Sample : J4769-05
Misc : 6.00G/5ML/MSVOA W/SOIL
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** HR-05-090718-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.M
Quant Title : SW846 8260

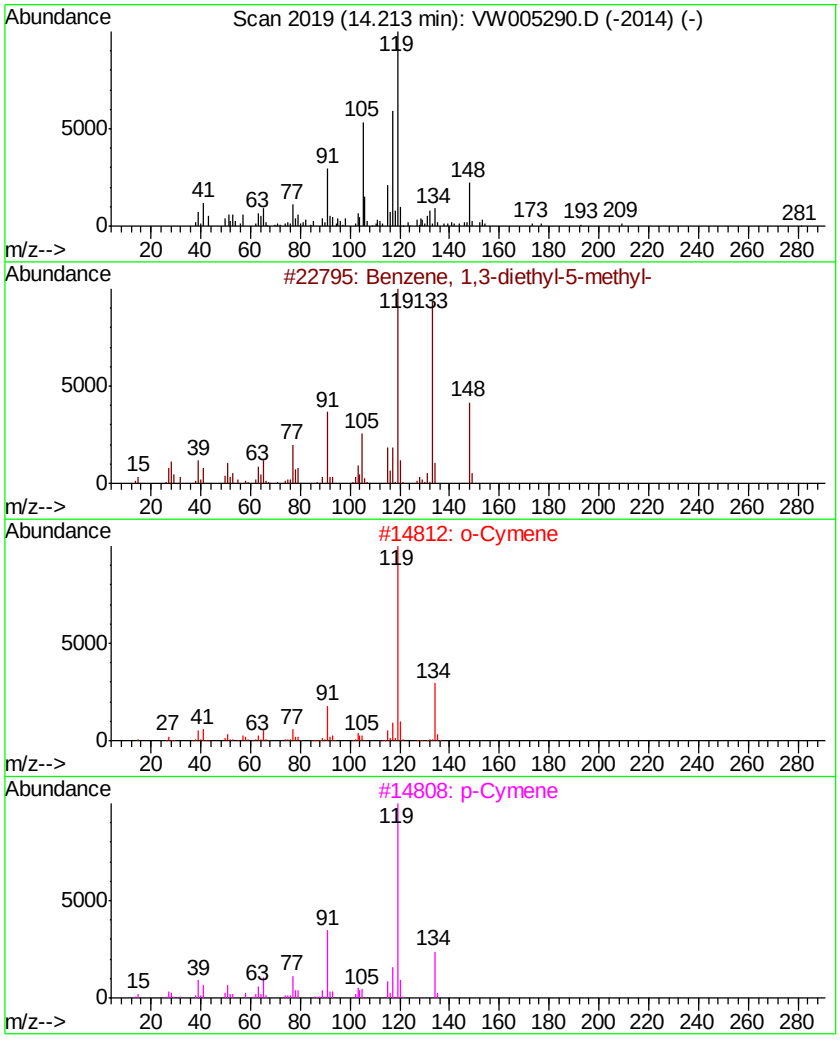
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

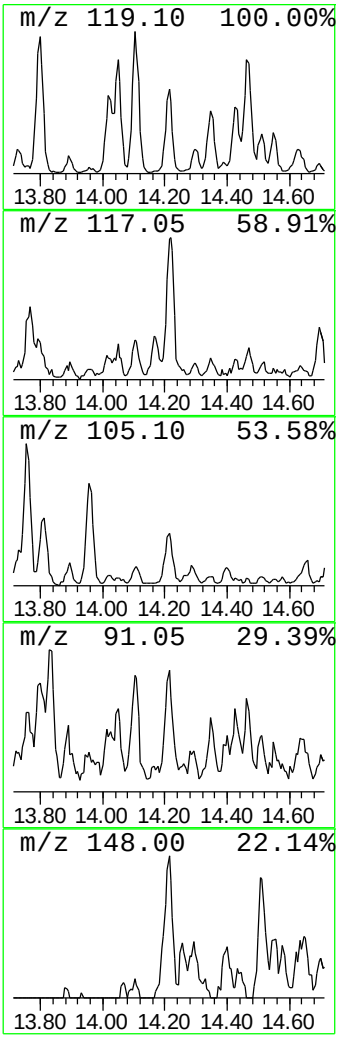
**********

Peak Number 9 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.21 | 32.24 ug/l | 59168 | 1,4-Dichlorobenzene-d4 | 13.57 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,3-diethyl-5-methyl- | 148 | C11H16 | 002050-24-0 | 50 |
| 2 | o-Cymene | 134 | C10H14 | 000527-84-4 | 46 |
| 3 | p-Cymene | 134 | C10H14 | 000099-87-6 | 46 |
| 4 | 4'-Methylpropiophenone | 148 | C10H12O | 005337-93-9 | 45 |
| 5 | Pyridine, 5-ethenyl-2-methyl- | 119 | C8H9N | 000140-76-1 | 38 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091118\
Data File : VW005290.D
Acq On : 11 Sep 2018 21:25
Operator : SY/AP
Sample : J4769-05
Misc : 6.00G/5ML/MSVOA W/SOIL
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** HR-05-090718-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.M
Quant Title : SW846 8260

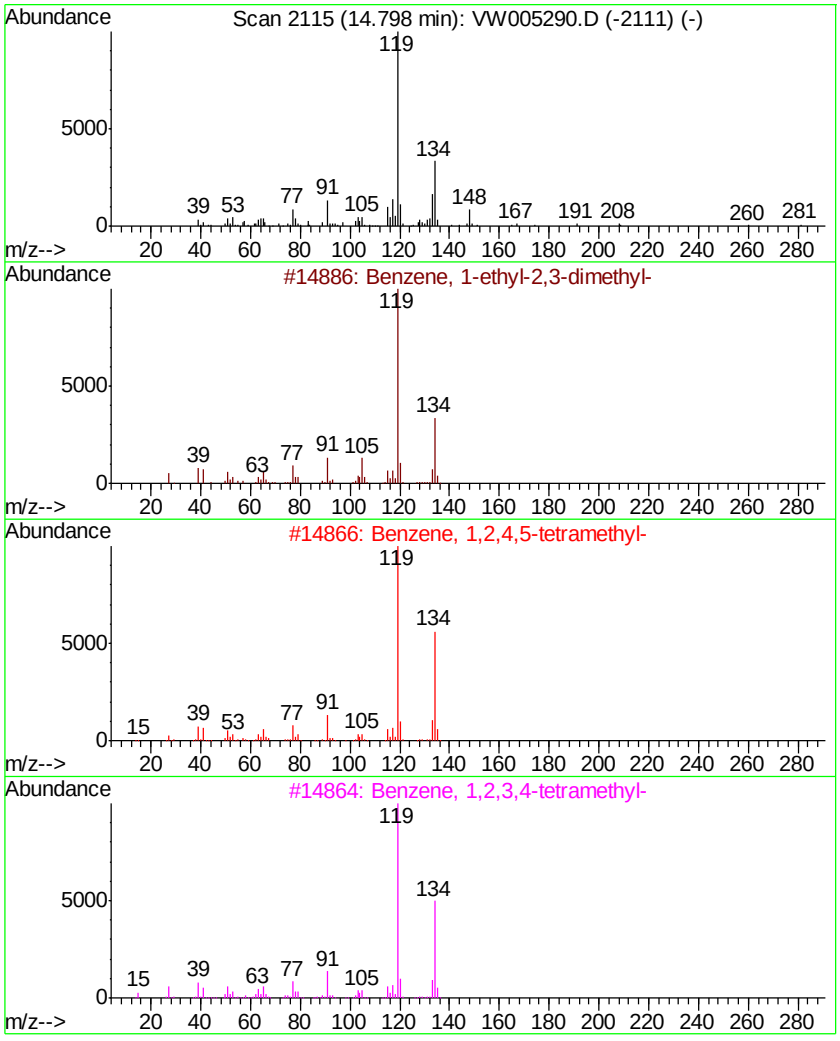
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

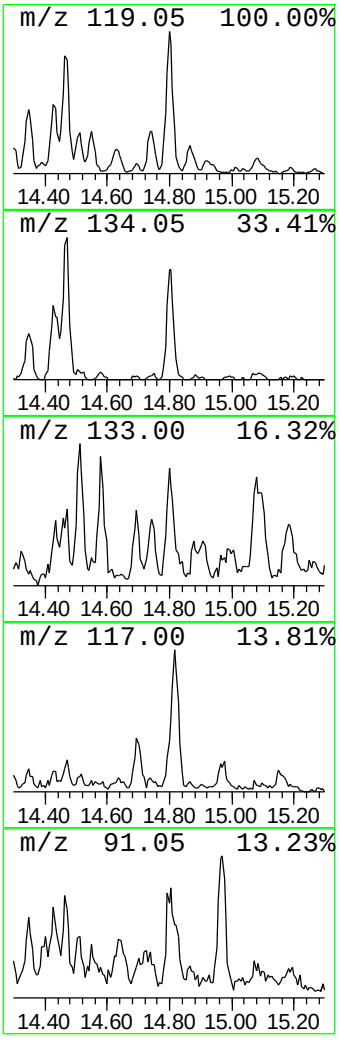
**********

Peak Number 10 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.80 | 42.71 ug/l | 78369 | 1,4-Dichlorobenzene-d4 | 13.57 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 81 |
| 2 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 74 |
| 3 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 74 |
| 4 | 1,3-Cyclopentadiene, 1,2,3,4-tet... | 134 | C10H14 | 076089-59-3 | 74 |
| 5 | Benzene, 2-ethyl-1,3-dimethyl- | 134 | C10H14 | 002870-04-4 | 70 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091118\
Data File : VW005290.D
Acq On : 11 Sep 2018 21:25
Operator : SY/AP
Sample : J4769-05
Misc : 6.00G/5ML/MSVOA_W/SOIL
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** HR-05-090718-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.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 |
| unknown10.47 | 10.47 | 31.8 | ug/l | 118864 | 3 | 11.64 | 187094 | 50.0 |
| Decane, 4-methyl- | 13.17 | 30.8 | ug/l | 56535 | 4 | 13.57 | 91756 | 50.0 |
| 2-Decene, 4-methy... | 13.71 | 21.0 | ug/l | 38608 | 4 | 13.57 | 91756 | 50.0 |
| Benzene, 1-ethyl-... | 13.80 | 28.5 | ug/l | 52319 | 4 | 13.57 | 91756 | 50.0 |
| Naphthalene, deca... | 13.89 | 41.7 | ug/l | 76446 | 4 | 13.57 | 91756 | 50.0 |
| p-Cymene | 14.05 | 25.5 | ug/l | 46849 | 4 | 13.57 | 91756 | 50.0 |
| Benzene, 4-ethyl-... | 14.10 | 26.5 | ug/l | 48636 | 4 | 13.57 | 91756 | 50.0 |
| Benzene, 1,3-diet... | 14.21 | 32.2 | ug/l | 59168 | 4 | 13.57 | 91756 | 50.0 |
| Benzene, 1-ethyl-... | 14.80 | 42.7 | ug/l | 78369 | 4 | 13.57 | 91756 | 50.0 |