LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020719\
Data File : VW008551.D
Acq On : 07 Feb 2019 14:35
Operator : SY/VA
Sample : K1390-01
Misc : 5.55G/5ML/MSVOA W/SOIL
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** SB-01(12-13)

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\82W012419S.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 | 3.032 | 175 | 185 | 203 | rBV | 2962994 | 8073885 | 1.39% | 0.058% |
| 2 | 3.392 | 233 | 244 | 263 | rBV | 2628883 | 7635397 | 1.31% | 0.055% |
| 3 | 4.111 | 348 | 362 | 392 | rVB | 2842842 | 12172094 | 2.10% | 0.088% |
| 4 | 4.958 | 473 | 501 | 549 | rBV5 | 67276341 | 367431433 | 63.24% | 2.661% |
| 5 | 5.440 | 561 | 580 | 622 | rBV3 | 55704730 | 264518622 | 45.53% | 1.916% |
| 6 | 5.940 | 646 | 662 | 686 | rBV | 25884780 | 96466981 | 16.60% | 0.699% |
| 7 | 6.732 | 773 | 792 | 805 | rBV | 13464175 | 67101338 | 11.55% | 0.486% |
| 8 | 6.891 | 805 | 818 | 852 | rVV3 | 58863020 | 313314626 | 53.93% | 2.269% |
| 9 | 7.184 | 853 | 866 | 895 | rVB | 3794905 | 18104001 | 3.12% | 0.131% |
| 10 | 7.720 | 943 | 954 | 972 | rVB2 | 16766057 | 78740229 | 13.55% | 0.570% |
| 11 | 8.067 | 1003 | 1011 | 1021 | rVB4 | 104819202 | 405038620 | 69.72% | 2.934% |
| 12 | 8.183 | 1021 | 1030 | 1033 | rBV8 | 132385778 | 405611162 | 69.81% | 2.938% |
| 13 | 8.452 | 1063 | 1074 | 1079 | rBV4 | 120040999 | 418040546 | 71.95% | 3.028% |
| 14 | 8.592 | 1093 | 1097 | 1107 | rVB3 | 68035976 | 179320054 | 30.86% | 1.299% |
| 15 | 8.708 | 1107 | 1116 | 1129 | rVB4 | 102314834 | 273855733 | 47.14% | 1.984% |
| 16 | 8.836 | 1129 | 1137 | 1149 | rBV2 | 34691310 | 110592791 | 19.04% | 0.801% |
| 17 | 8.939 | 1150 | 1154 | 1159 | rVV5 | 6157018 | 16220135 | 2.79% | 0.117% |
| 18 | 9.000 | 1159 | 1164 | 1172 | rVV | 16137673 | 36214470 | 6.23% | 0.262% |
| 19 | 9.079 | 1172 | 1177 | 1181 | rVV | 3619992 | 8717993 | 1.50% | 0.063% |
| 20 | 9.165 | 1182 | 1191 | 1205 | rVB2 | 27084043 | 107852625 | 18.56% | 0.781% |
| 21 | 9.531 | 1241 | 1251 | 1257 | rBV2 | 62823746 | 155849870 | 26.82% | 1.129% |
| 22 | 9.628 | 1257 | 1267 | 1279 | rVB6 | 126837489 | 458894851 | 78.99% | 3.324% |
| 23 | 9.781 | 1282 | 1292 | 1305 | rBV7 | 134786069 | 564652255 | 97.19% | 4.090% |
| 24 | 9.921 | 1306 | 1315 | 1319 | rBV6 | 112958586 | 375580677 | 64.65% | 2.720% |
| 25 | 10.122 | 1341 | 1348 | 1352 | rBV6 | 125335214 | 381579705 | 65.68% | 2.764% |
| 26 | 10.281 | 1366 | 1374 | 1380 | rBV5 | 126740369 | 322355369 | 55.48% | 2.335% |
| 27 | 10.354 | 1380 | 1386 | 1391 | rBV4 | 157032998 | 462414019 | 79.59% | 3.349% |
| 28 | 10.470 | 1397 | 1405 | 1408 | rBV6 | 94707108 | 237355590 | 40.85% | 1.719% |
| 29 | 10.524 | 1409 | 1414 | 1421 | rVB8 | 161329722 | 458770611 | 78.96% | 3.323% |
| 30 | 10.585 | 1421 | 1424 | 1429 | rVB3 | 31712636 | 50122624 | 8.63% | 0.363% |
| 31 | 10.640 | 1430 | 1433 | 1436 | rVB3 | 14394020 | 17973316 | 3.09% | 0.130% |
| 32 | 10.689 | 1436 | 1441 | 1448 | rVB4 | 79830760 | 186211433 | 32.05% | 1.349% |
| 33 | 10.780 | 1448 | 1456 | 1464 | rBV10 | 164531424 | 580989021 | 100.00% | 4.208% |
| 34 | 10.866 | 1465 | 1470 | 1479 | rVB6 | 123547700 | 355005943 | 61.10% | 2.571% |

LSC Area Percent Report

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Operator : SY/VA
Sample : K1390-01
Misc : 5.55G/5ML/MSVOA W/SOIL
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** SB-01(12-13)

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\82W012419S.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 10.969 | 1479 | 1487 | 1495 | rBV9 | 114939012 | 456963612 | 78.65% | 3.310% |
| 36 | 11.360 | 1547 | 1551 | 1556 | rBV6 | 54679024 | 138414309 | 23.82% | 1.003% |
| 37 | 11.536 | 1575 | 1580 | 1583 | rBV5 | 94941896 | 195737055 | 33.69% | 1.418% |
| 38 | 11.756 | 1612 | 1616 | 1619 | rBV3 | 48023544 | 84122402 | 14.48% | 0.609% |
| 39 | 11.799 | 1620 | 1623 | 1625 | rBV2 | 31648760 | 45569061 | 7.84% | 0.330% |
| 40 | 12.036 | 1657 | 1662 | 1664 | rBV4 | 31738592 | 61353429 | 10.56% | 0.444% |
| 41 | 12.085 | 1665 | 1670 | 1675 | rVB7 | 86634360 | 188811237 | 32.50% | 1.368% |
| 42 | 12.353 | 1707 | 1714 | 1717 | rBV5 | 118564488 | 284449640 | 48.96% | 2.060% |
| 43 | 12.683 | 1763 | 1768 | 1771 | rVV5 | 67927635 | 143828360 | 24.76% | 1.042% |
| 44 | 12.719 | 1771 | 1774 | 1780 | rVB5 | 76524216 | 133600711 | 23.00% | 0.968% |
| 45 | 12.811 | 1785 | 1789 | 1794 | rVB5 | 81752144 | 161848415 | 27.86% | 1.172% |
| 46 | 12.878 | 1795 | 1800 | 1804 | rBV5 | 65640448 | 129388715 | 22.27% | 0.937% |
| 47 | 13.006 | 1818 | 1821 | 1827 | rVB5 | 76104136 | 129150559 | 22.23% | 0.935% |
| 48 | 13.091 | 1830 | 1835 | 1839 | rBV4 | 82243384 | 151951563 | 26.15% | 1.101% |
| 49 | 13.146 | 1839 | 1844 | 1846 | rBV5 | 73528032 | 120156058 | 20.68% | 0.870% |
| 50 | 13.182 | 1847 | 1850 | 1856 | rVB3 | 87883552 | 149759869 | 25.78% | 1.085% |
| 51 | 13.243 | 1856 | 1860 | 1866 | rVB7 | 55859776 | 109122199 | 18.78% | 0.790% |
| 52 | 13.304 | 1866 | 1870 | 1875 | rVB4 | 71100056 | 117690893 | 20.26% | 0.852% |
| 53 | 13.365 | 1875 | 1880 | 1887 | rBV8 | 63490472 | 178692444 | 30.76% | 1.294% |
| 54 | 13.457 | 1891 | 1895 | 1899 | rVB5 | 70599048 | 108345087 | 18.65% | 0.785% |
| 55 | 13.499 | 1899 | 1902 | 1905 | rBV4 | 65532648 | 86436384 | 14.88% | 0.626% |
| 56 | 13.573 | 1911 | 1914 | 1918 | rVB5 | 79039656 | 111946482 | 19.27% | 0.811% |
| 57 | 13.640 | 1921 | 1925 | 1931 | rVB4 | 108025168 | 189686962 | 32.65% | 1.374% |
| 58 | 13.725 | 1931 | 1939 | 1941 | rBV5 | 68744192 | 146811610 | 25.27% | 1.063% |
| 59 | 13.762 | 1941 | 1945 | 1949 | rVB3 | 93649632 | 164654962 | 28.34% | 1.193% |
| 60 | 13.823 | 1949 | 1955 | 1961 | rVB7 | 84781088 | 232947091 | 40.09% | 1.687% |
| 61 | 13.890 | 1961 | 1966 | 1970 | rBV4 | 160601088 | 293427425 | 50.50% | 2.125% |
| 62 | 14.024 | 1985 | 1988 | 1990 | rBV2 | 36515848 | 53004525 | 9.12% | 0.384% |
| 63 | 14.103 | 1997 | 2001 | 2006 | rVB3 | 84199744 | 135098834 | 23.25% | 0.979% |
| 64 | 14.207 | 2013 | 2018 | 2024 | rVB4 | 94374892 | 173849198 | 29.92% | 1.259% |
| 65 | 14.298 | 2024 | 2033 | 2038 | rBV6 | 63531036 | 170532787 | 29.35% | 1.235% |
| 66 | 14.359 | 2039 | 2043 | 2045 | rVV3 | 21017253 | 37294270 | 6.42% | 0.270% |
| 67 | 14.396 | 2045 | 2049 | 2052 | rVV3 | 92812133 | 151609263 | 26.10% | 1.098% |
| 68 | 14.432 | 2052 | 2055 | 2058 | rVV2 | 62432081 | 89735718 | 15.45% | 0.650% |
| 69 | 14.463 | 2058 | 2060 | 2063 | rVB2 | 30957040 | 34462050 | 5.93% | 0.250% |
| 70 | 14.505 | 2063 | 2067 | 2071 | rBV2 | 77151016 | 108648175 | 18.70% | 0.787% |
| 71 | 14.554 | 2071 | 2075 | 2080 | rVB4 | 44425696 | 87805001 | 15.11% | 0.636% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020719\
Data File : VW008551.D
Acq On : 07 Feb 2019 14:35
Operator : SY/VA
Sample : K1390-01
Misc : 5.55G/5ML/MSVOA W/SOIL
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** SB-01(12-13)

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\82W012419S.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 14.609 | 2080 | 2084 | 2086 | rBV2 | 24896740 | 34062222 | 5.86% | 0.247% |
| 73 | 14.646 | 2087 | 2090 | 2095 | rVB2 | 61129306 | 91153146 | 15.69% | 0.660% |
| 74 | 14.713 | 2095 | 2101 | 2110 | rVB5 | 56209284 | 191846297 | 33.02% | 1.390% |
| 75 | 14.798 | 2110 | 2115 | 2117 | rBV3 | 49294436 | 87270777 | 15.02% | 0.632% |
| 76 | 14.859 | 2122 | 2125 | 2134 | rVB4 | 34797266 | 61171774 | 10.53% | 0.443% |
| 77 | 15.030 | 2148 | 2153 | 2155 | rBV3 | 13065254 | 23337993 | 4.02% | 0.169% |
| 78 | 15.066 | 2155 | 2159 | 2164 | rVB3 | 27651310 | 50010851 | 8.61% | 0.362% |
| 79 | 15.182 | 2172 | 2178 | 2184 | rVB3 | 24896252 | 58490006 | 10.07% | 0.424% |
| 80 | 15.334 | 2198 | 2203 | 2211 | rVB6 | 6065667 | 14396699 | 2.48% | 0.104% |
| 81 | 15.426 | 2212 | 2218 | 2222 | rBV2 | 6992342 | 14036978 | 2.42% | 0.102% |
| 82 | 15.475 | 2222 | 2226 | 2230 | rVV2 | 4657632 | 6970950 | 1.20% | 0.050% |
| 83 | 15.658 | 2249 | 2256 | 2263 | rVB3 | 3760334 | 8319783 | 1.43% | 0.060% |
| 84 | 15.865 | 2286 | 2290 | 2300 | rVB | 2776037 | 5888647 | 1.01% | 0.043% |

Sum of corrected areas: 13806640497

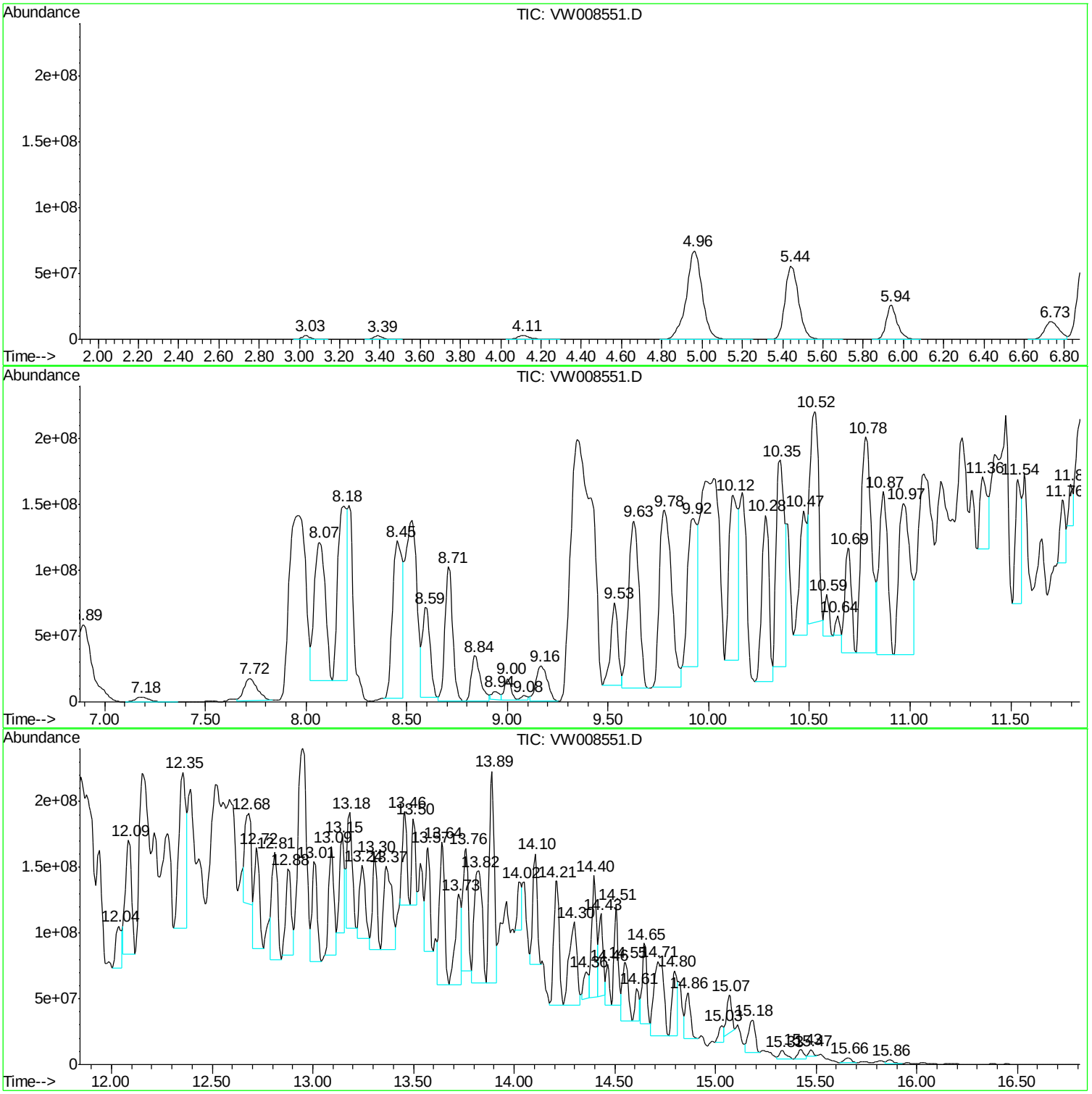
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020719\
Data File : VW008551.D
Acq On : 07 Feb 2019 14:35
Operator : SY/VA
Sample : K1390-01
Misc : 5.55G/5ML/MSVOA W/SOIL
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** SB-01(12-13)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.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\VW020719\
Data File : VW008551.D
Acq On : 07 Feb 2019 14:35
Operator : SY/VA
Sample : K1390-01
Misc : 5.55G/5ML/MSVOA W/SOIL
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** SB-01(12-13)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260

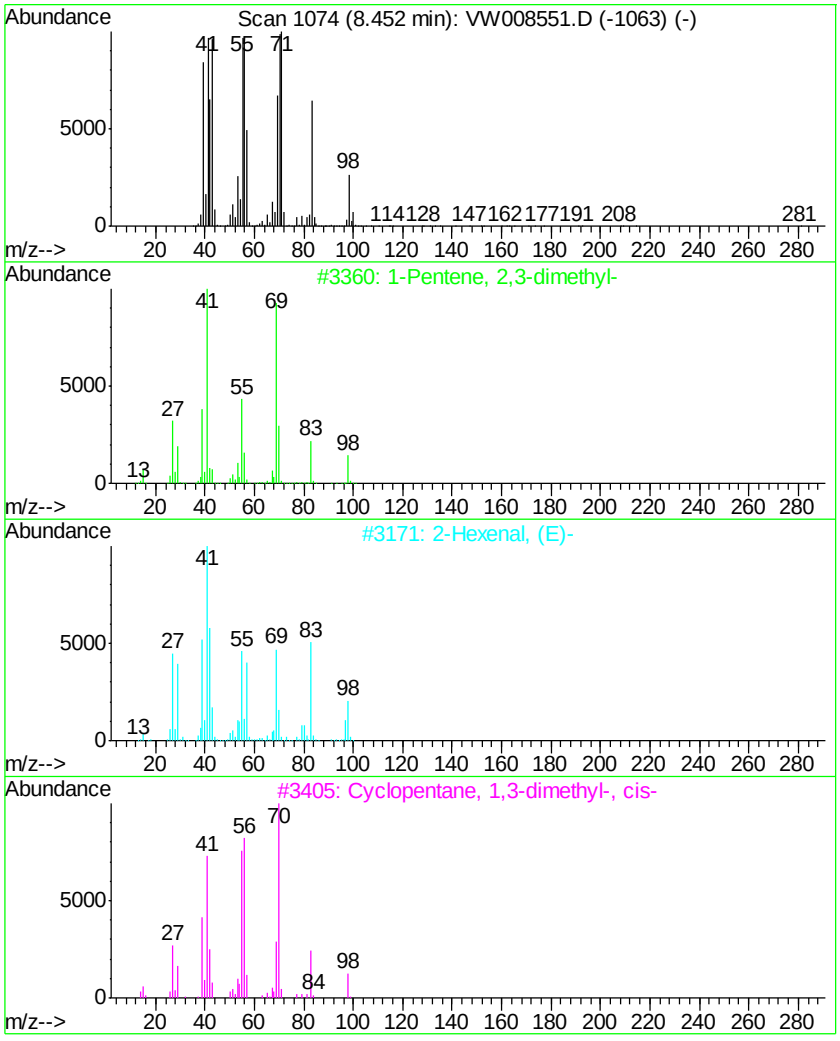
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

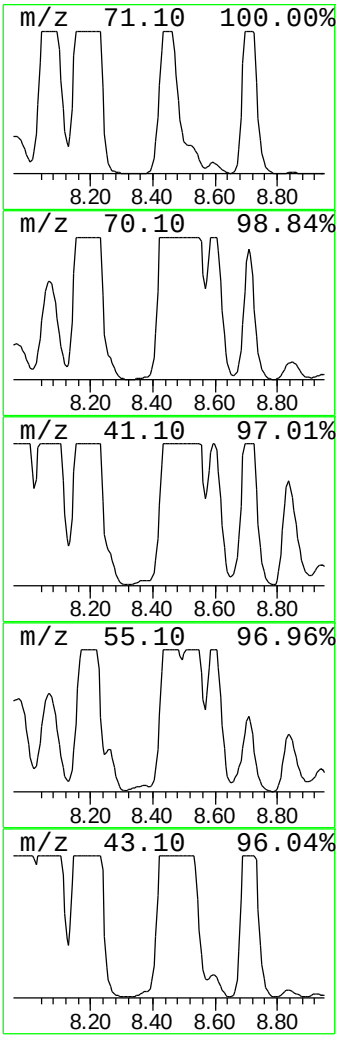
**********

Peak Number 1 1-Pentene, 2,3-dimethyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.45 | 189.00 ug/l | 418041000 | 1,4-Difluorobenzene | 8.84 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Pentene, 2,3-dimethyl- | 98 | C7H14 | 003404-72-6 | 58 |
| 2 | 2-Hexenal, (E)- | 98 | C6H10O | 006728-26-3 | 52 |
| 3 | Cyclopentane, 1,3-dimethyl-, cis- | 98 | C7H14 | 002532-58-3 | 49 |
| 4 | Cycloheptane | 98 | C7H14 | 000291-64-5 | 38 |
| 5 | Cyclopentane, 1,2-dimethyl-, cis- | 98 | C7H14 | 001192-18-3 | 25 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020719\
Data File : VW008551.D
Acq On : 07 Feb 2019 14:35
Operator : SY/VA
Sample : K1390-01
Misc : 5.55G/5ML/MSVOA W/SOIL
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** SB-01(12-13)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260

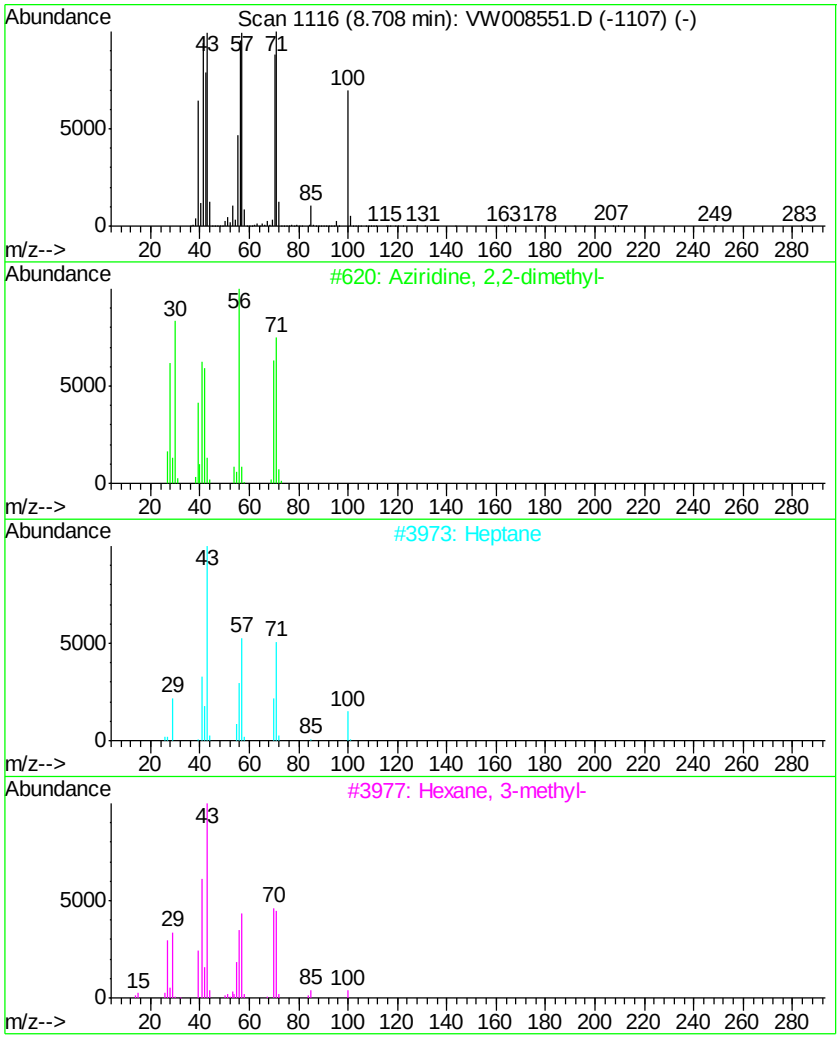
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

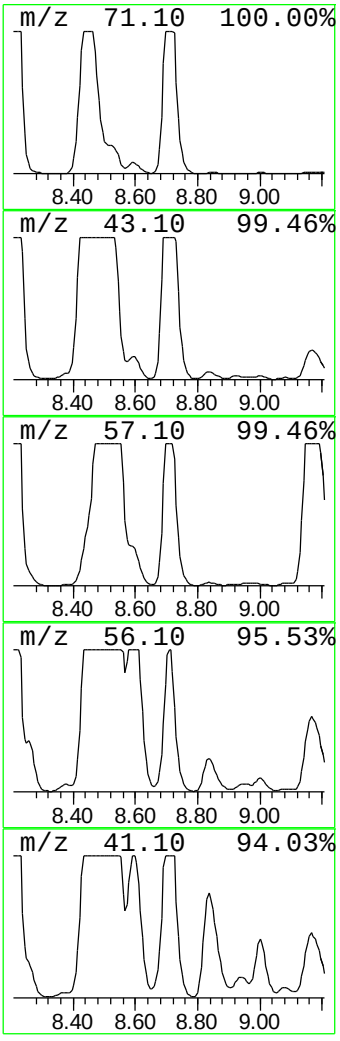
**********

Peak Number 2 Aziridine, 2,2-dimethyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.71 | 123.81 ug/l | 273856000 | 1,4-Difluorobenzene | 8.84 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Aziridine, 2,2-dimethyl- | 71 | C4H9N | 002658-24-4 | 52 |
| 2 | Heptane | 100 | C7H16 | 000142-82-5 | 50 |
| 3 | Hexane, 3-methyl- | 100 | C7H16 | 000589-34-4 | 50 |
| 4 | Hexane, 2,3,4-trimethyl- | 128 | C9H20 | 000921-47-1 | 38 |
| 5 | Hexane, 3,3,4-trimethyl- | 128 | C9H20 | 016747-31-2 | 35 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW020719\
Data File : VW008551.D
Acq On : 07 Feb 2019 14:35
Operator : SY/VA
Sample : K1390-01
Misc : 5.55G/5ML/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** SB-01(12-13)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260

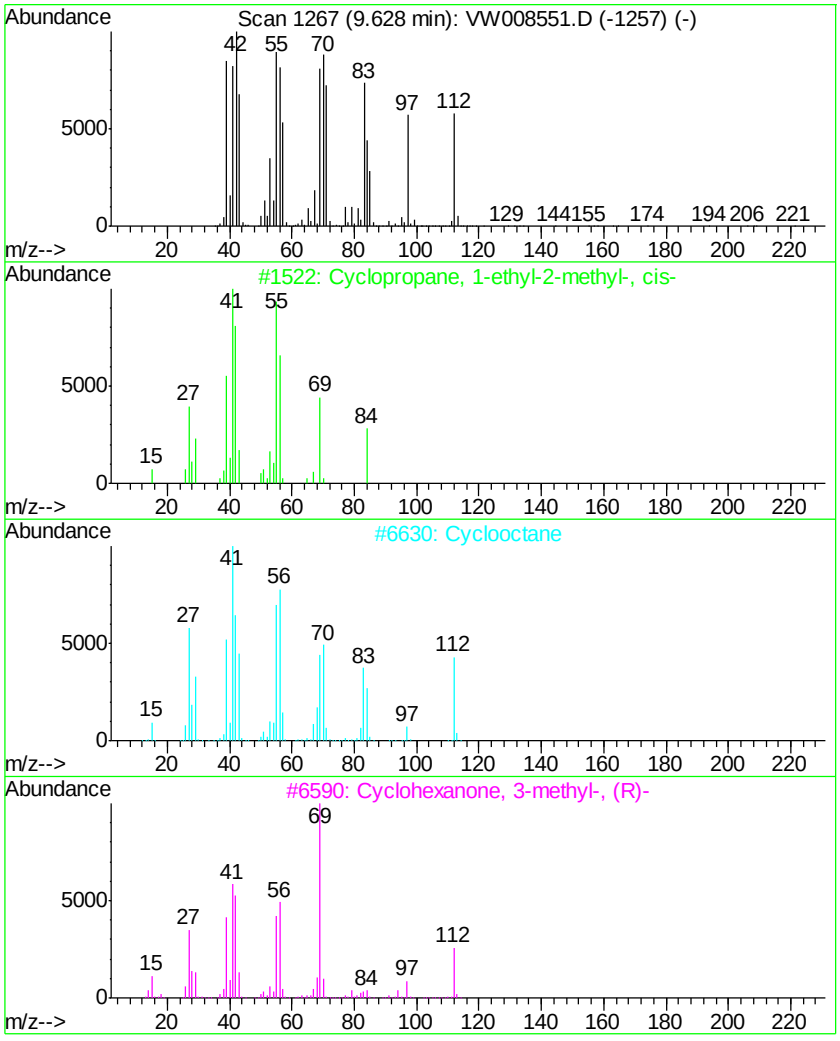
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

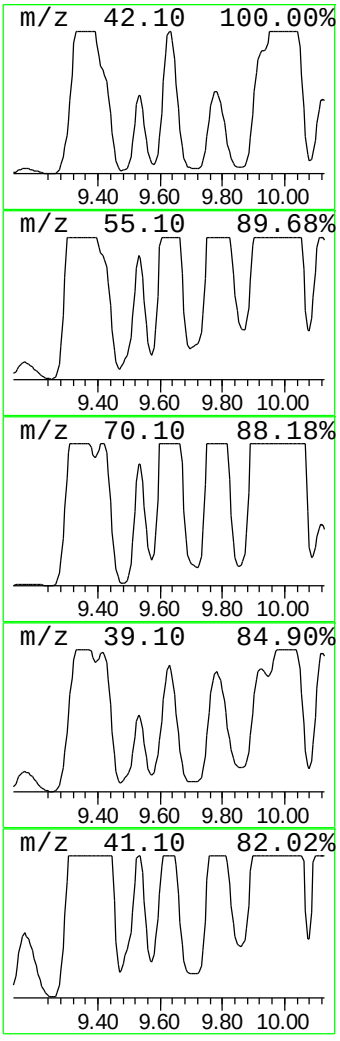
**********

Peak Number 3 Cyclopropane, 1-ethyl-2-met... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.63 | 207.47 ug/l | 458895000 | 1,4-Difluorobenzene | 8.84 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopropane, 1-ethyl-2-methyl-,... | 84 | C6H12 | 019781-68-1 | 58 |
| 2 | Cyclooctane | 112 | C8H16 | 000292-64-8 | 50 |
| 3 | Cyclohexanone, 3-methyl-, (R)- | 112 | C7H12O | 013368-65-5 | 49 |
| 4 | 1-Pentene, 3-methyl- | 84 | C6H12 | 000760-20-3 | 46 |
| 5 | Cyclohexane, 1,2-dimethyl-, cis- | 112 | C8H16 | 002207-01-4 | 27 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW020719\
Data File : VW008551.D
Acq On : 07 Feb 2019 14:35
Operator : SY/VA
Sample : K1390-01
Misc : 5.55G/5ML/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** SB-01(12-13)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260

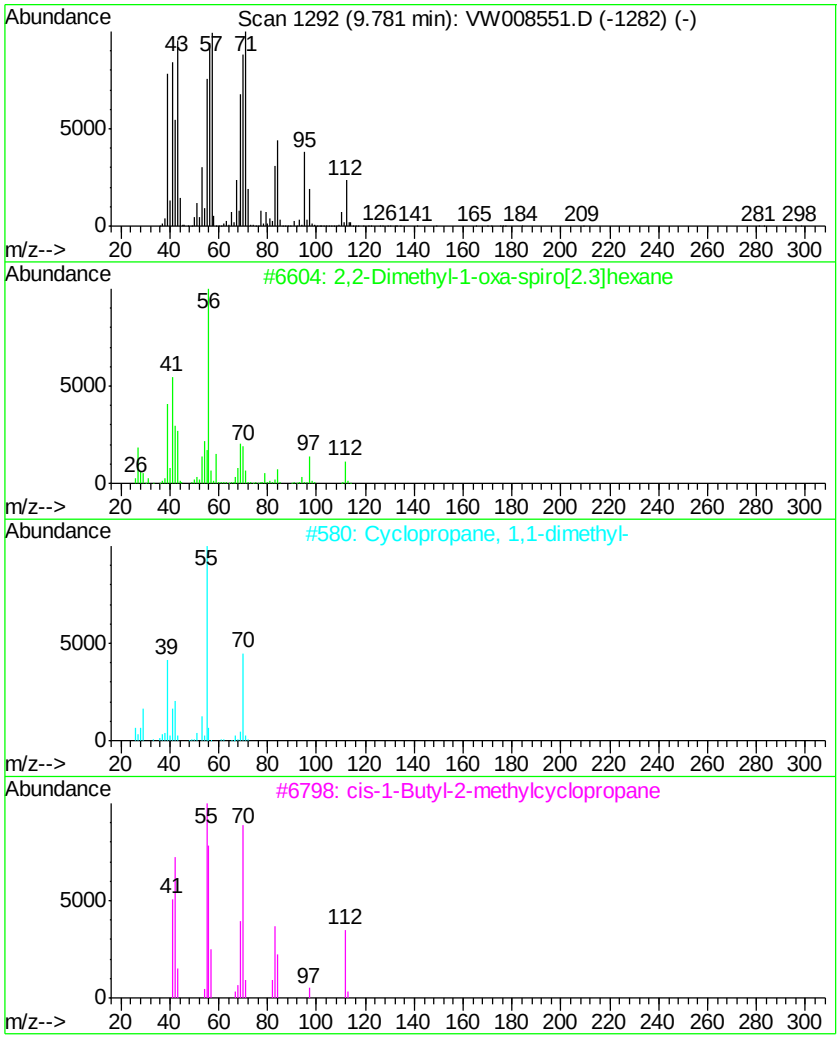
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

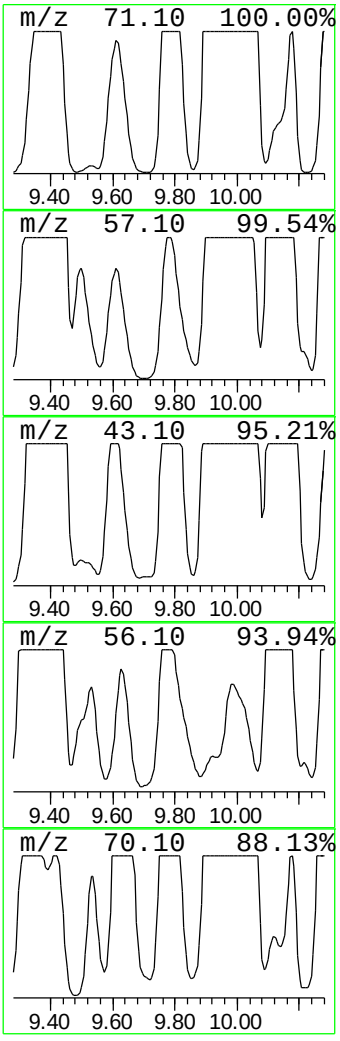
**********

Peak Number 4 2,2-Dimethyl-1-oxa-spiro[2.... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.78 | 255.28 ug/l | 564652000 | 1,4-Difluorobenzene | 8.84 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,2-Dimethyl-1-oxa-spiro[2.3]hexane | 112 | C7H12O | 1000194-04-4 | 50 |
| 2 | Cyclopropane, 1,1-dimethyl- | 70 | C5H10 | 001630-94-0 | 50 |
| 3 | cis-1-Butyl-2-methylcyclopropane | 112 | C8H16 | 038851-69-3 | 46 |
| 4 | Furan, 2,5-dihydro-3-methyl- | 84 | C5H8O | 001708-31-2 | 46 |
| 5 | Cyclooctane | 112 | C8H16 | 000292-64-8 | 38 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020719\
Data File : VW008551.D
Acq On : 07 Feb 2019 14:35
Operator : SY/VA
Sample : K1390-01
Misc : 5.55G/5ML/MSVOA W/SOIL
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** SB-01(12-13)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260

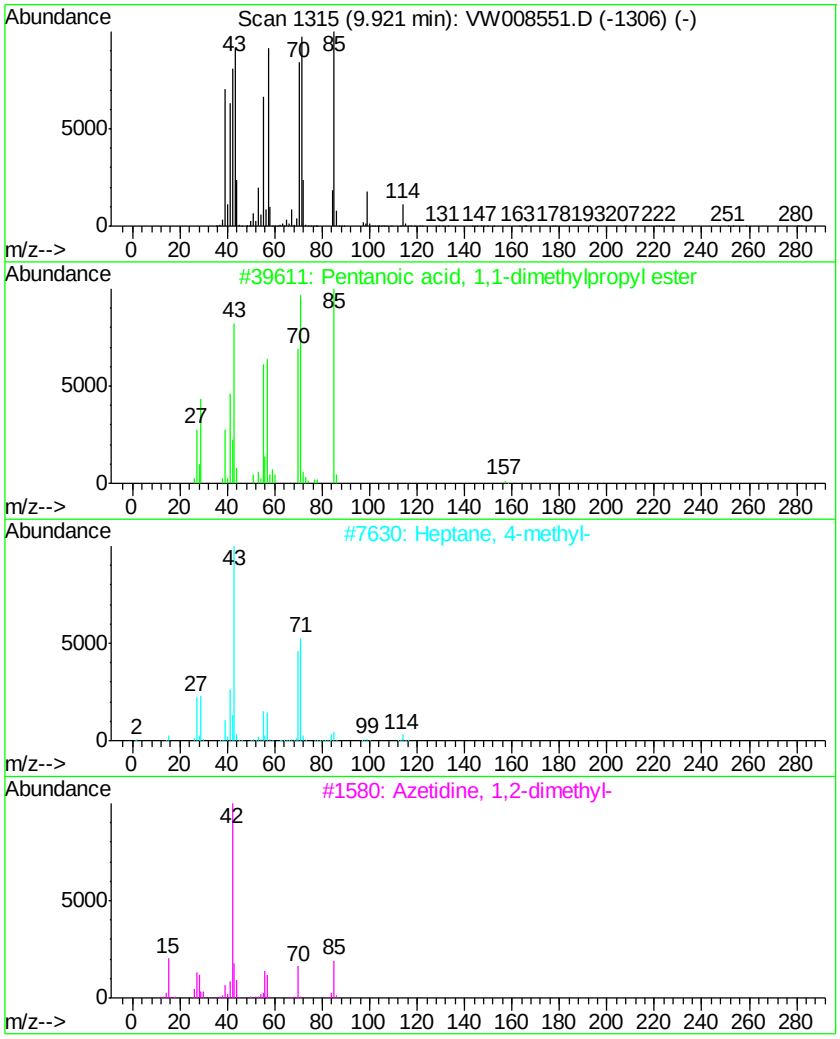
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

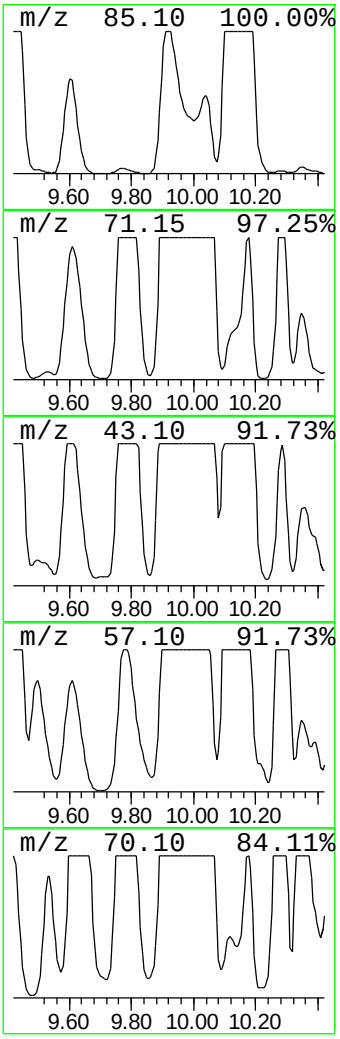
**********

Peak Number 5 Pentanoic acid, 1,1-dimethy... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.92 | 169.80 ug/l | 375581000 | 1,4-Difluorobenzene | 8.84 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentanoic acid, 1,1-dimethylprop... | 172 | C10H20O2 | 117421-32-6 | 53 |
| 2 | Heptane, 4-methyl- | 114 | C8H18 | 000589-53-7 | 43 |
| 3 | Azetidine, 1,2-dimethyl- | 85 | C5H11N | 051764-32-0 | 38 |
| 4 | 2-Pentene | 70 | C5H10 | 000109-68-2 | 35 |
| 5 | 2-Pentene, (Z)- | 70 | C5H10 | 000627-20-3 | 35 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020719\
Data File : VW008551.D
Acq On : 07 Feb 2019 14:35
Operator : SY/VA
Sample : K1390-01
Misc : 5.55G/5ML/MSVOA W/SOIL
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** SB-01(12-13)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260

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

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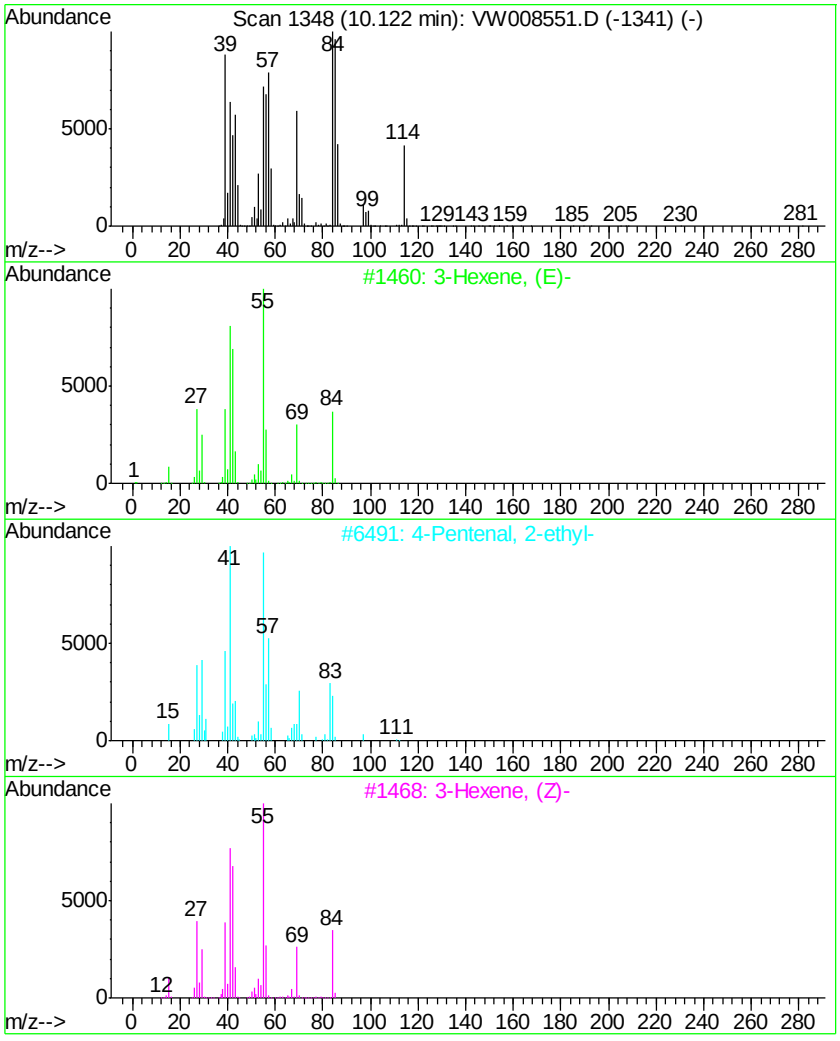
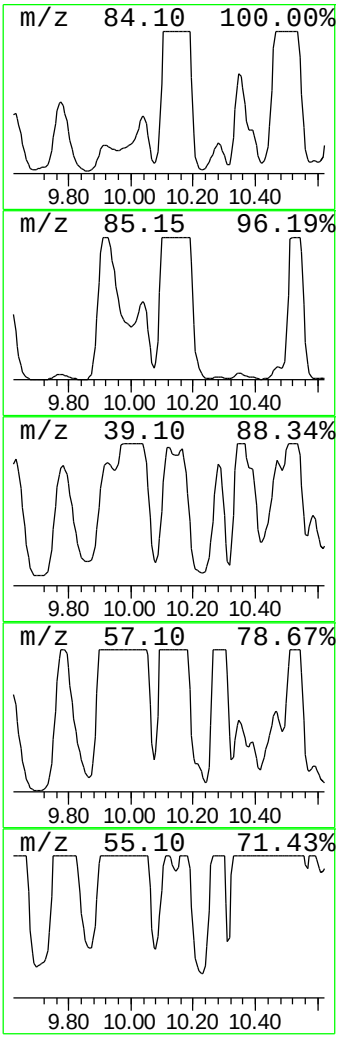
Peak Number 6 3-Hexene, (E)- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.12 | 172.52 ug/l | 381580000 | 1,4-Difluorobenzene | 8.84 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Hexene, (E)- | 84 | C6H12 | 013269-52-8 | 50 |
| 2 | 4-Pentenal, 2-ethyl- | 112 | C7H12O | 005204-80-8 | 50 |
| 3 | 3-Hexene, (Z)- | 84 | C6H12 | 007642-09-3 | 50 |
| 4 | Pentane, 3-methylene- | 84 | C6H12 | 000760-21-4 | 40 |
| 5 | Furan, 2,3-dihydro-3-methyl- | 84 | C5H8O | 001708-27-6 | 38 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020719\
Data File : VW008551.D
Acq On : 07 Feb 2019 14:35
Operator : SY/VA
Sample : K1390-01
Misc : 5.55G/5ML/MSVOA W/SOIL
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** SB-01(12-13)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260

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

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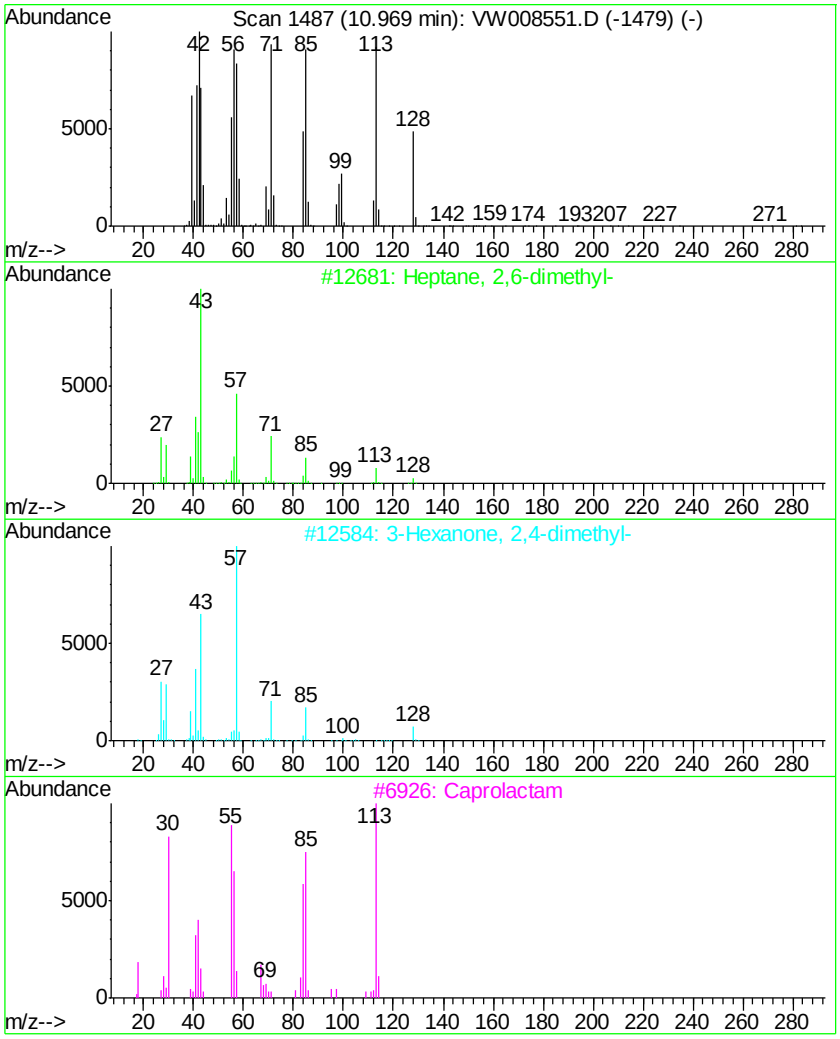
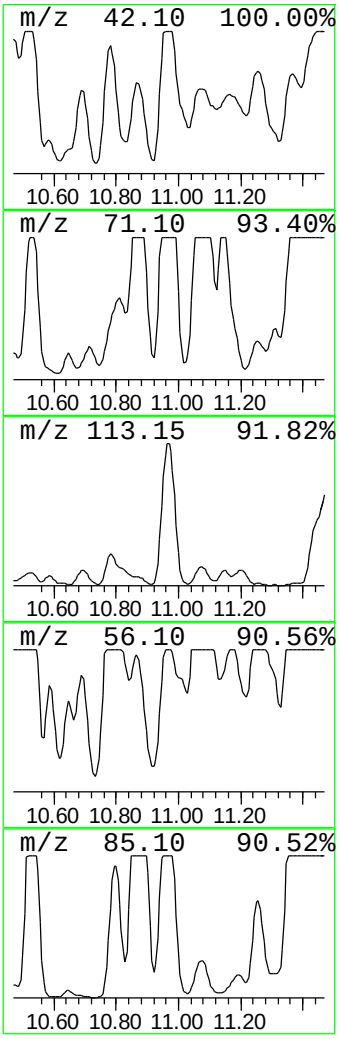
Peak Number 8 unknown10.97 Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.97 | 116.73 ug/l | 456964000 | Chlorobenzene-d5 | 11.63 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptane, 2,6-dimethyl- | 128 | C9H20 | 001072-05-5 | 49 |
| 2 | 3-Hexanone, 2,4-dimethyl- | 128 | C8H16O | 018641-70-8 | 35 |
| 3 | Caprolactam | 113 | C6H11NO | 000105-60-2 | 27 |
| 4 | Undecane, 2,7-dimethyl- | 184 | C13H28 | 017301-24-5 | 27 |
| 5 | 3,4-Dimethyl-isoxazol-5(4H)-one | 113 | C5H7NO2 | 015731-93-8 | 27 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020719\
Data File : VW008551.D
Acq On : 07 Feb 2019 14:35
Operator : SY/VA
Sample : K1390-01
Misc : 5.55G/5ML/MSVOA W/SOIL
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** SB-01(12-13)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260

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

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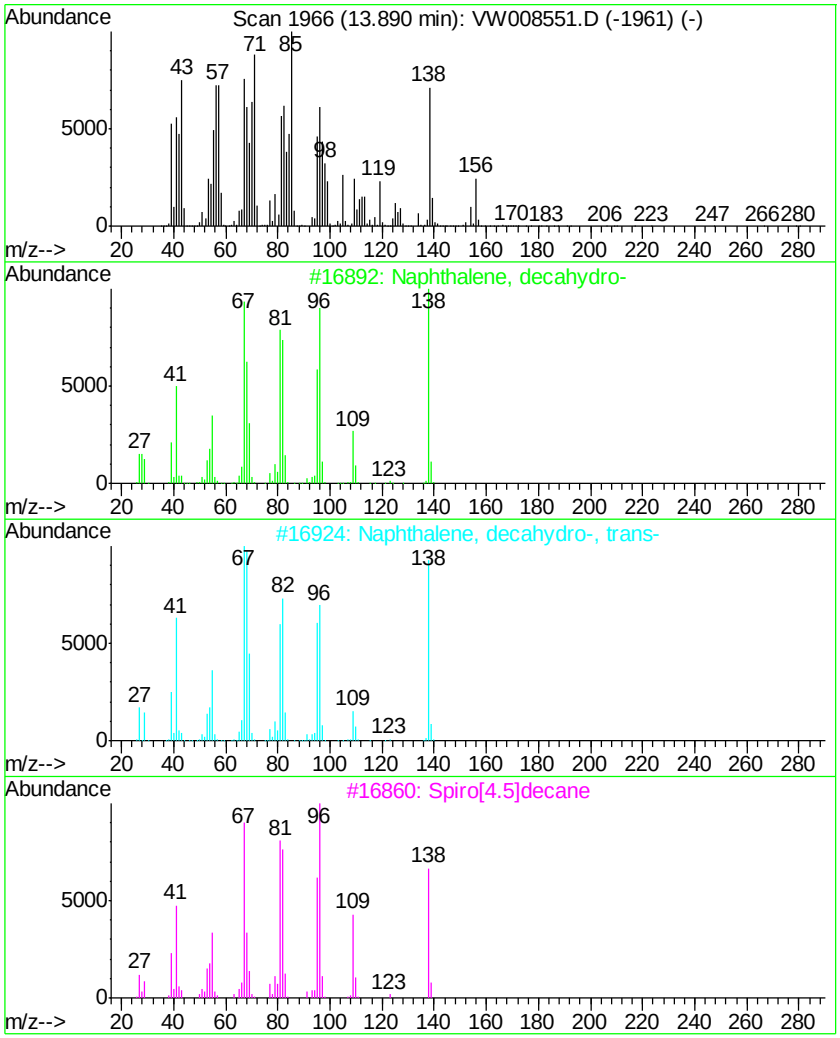
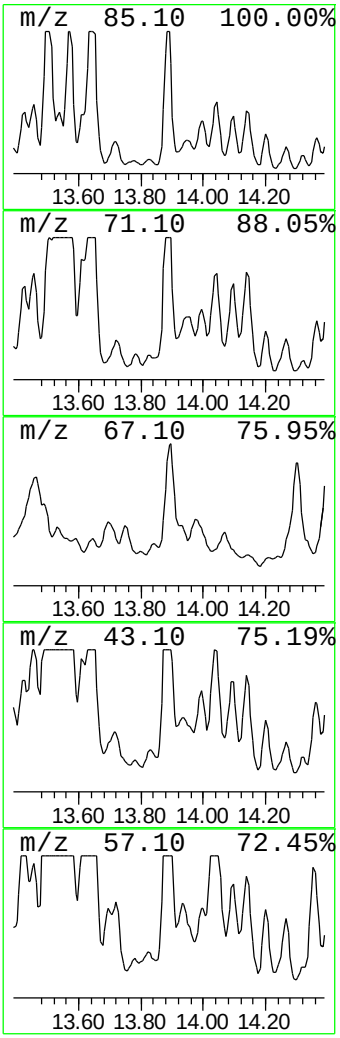
Peak Number 9 Naphthalene, decahydro- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.89 | 131.06 ug/l | 293427000 | 1,4-Dichlorobenzene-d4 | 13.55 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, decahydro- | 138 | C10H18 | 000091-17-8 | 94 |
| 2 | Naphthalene, decahydro-, trans- | 138 | C10H18 | 000493-02-7 | 83 |
| 3 | Spiro[4.5]decane | 138 | C10H18 | 000176-63-6 | 81 |
| 4 | Naphthalene, decahydro-, cis- | 138 | C10H18 | 000493-01-6 | 80 |
| 5 | trans-2-Dodecen-1-ol, trifluoroa... | 280 | C14H23F3O2 | 1000352-26-2 | 43 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW020719\
Data File : VW008551.D
Acq On : 07 Feb 2019 14:35
Operator : SY/VA
Sample : K1390-01
Misc : 5.55G/5ML/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** SB-01(12-13)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260

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

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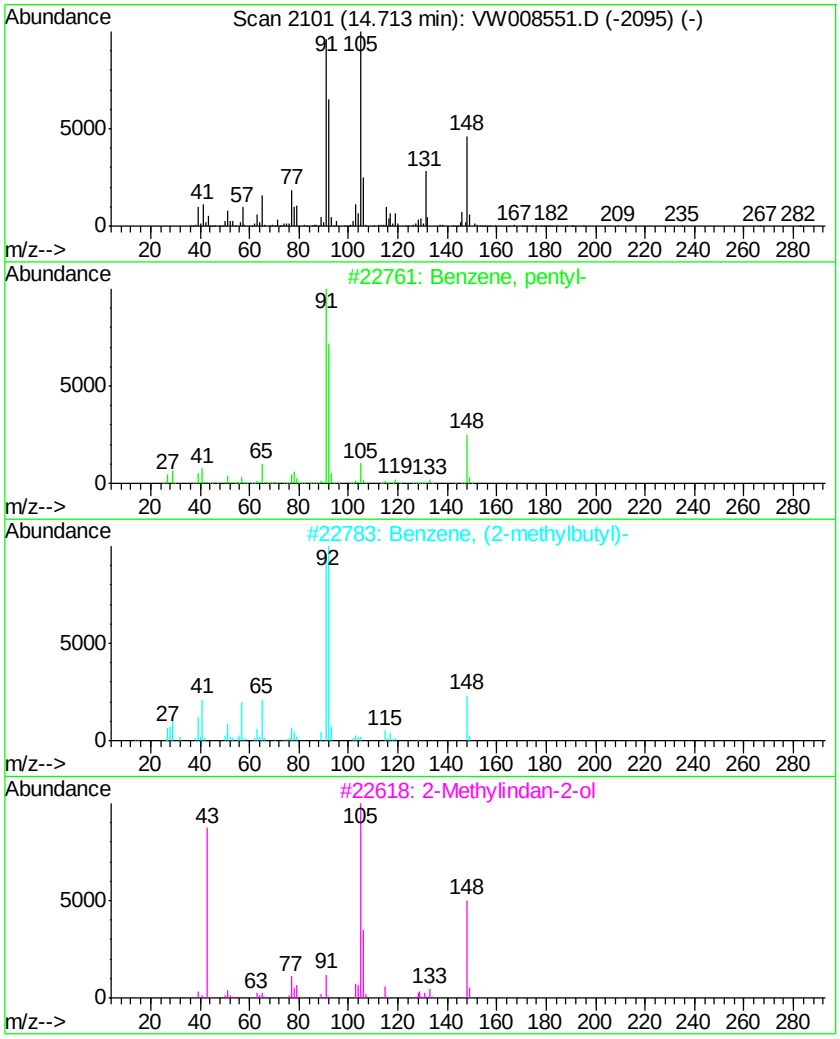
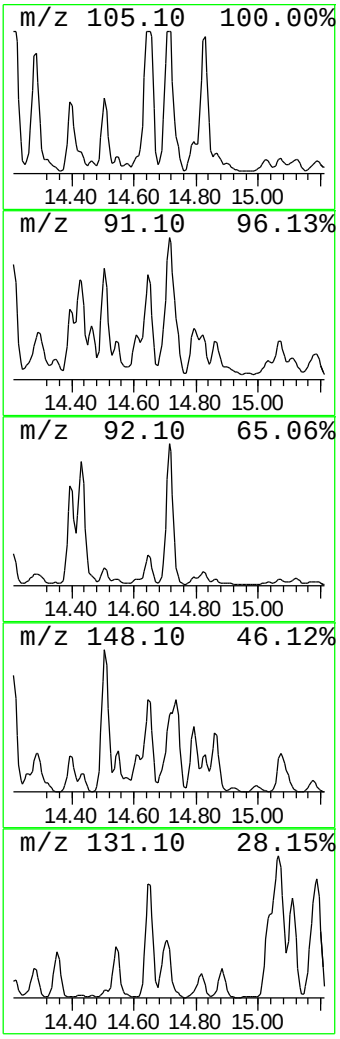
Peak Number 10 unknown14.71 Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.71 | 85.69 ug/l | 191846000 | 1,4-Dichlorobenzene-d4 | 13.55 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, pentyl- | 148 | C11H16 | 000538-68-1 | 49 |
| 2 | Benzene, (2-methylbutyl)- | 148 | C11H16 | 003968-85-2 | 38 |
| 3 | 2-Methylindan-2-ol | 148 | C10H12O | 033223-84-6 | 38 |
| 4 | Benzene, (1-methylbutyl)- | 148 | C11H16 | 002719-52-0 | 35 |
| 5 | Benzene, 1-methyl-4-(2-methylpro... | 148 | C11H16 | 005161-04-6 | 35 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW020719\
Data File : VW008551.D
Acq On : 07 Feb 2019 14:35
Operator : SY/VA
Sample : K1390-01
Misc : 5.55G/5ML/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** SB-01(12-13)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.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 |
| 1-Pentene, 2,3-di... | 8.45 | 189.0 | ug/l | 418041000 | 2 | 8.84 | 110593000 | 50.0 |
| Aziridine, 2,2-di... | 8.71 | 123.8 | ug/l | 273856000 | 2 | 8.84 | 110593000 | 50.0 |
| Cyclopropane, 1-e... | 9.63 | 207.5 | ug/l | 458895000 | 2 | 8.84 | 110593000 | 50.0 |
| 2,2-Dimethyl-1-ox... | 9.78 | 255.3 | ug/l | 564652000 | 2 | 8.84 | 110593000 | 50.0 |
| Pentanoic acid, 1... | 9.92 | 169.8 | ug/l | 375581000 | 2 | 8.84 | 110593000 | 50.0 |
| 3-Hexene, (E)- | 10.12 | 172.5 | ug/l | 381580000 | 2 | 8.84 | 110593000 | 50.0 |
| unknown10.97 | 10.97 | 116.7 | ug/l | 456964000 | 3 | 11.63 | 195737000 | 50.0 |
| Naphthalene, deca... | 13.89 | 131.1 | ug/l | 293427000 | 4 | 13.55 | 111946000 | 50.0 |
| unknown14.71 | 14.71 | 85.7 | ug/l | 191846000 | 4 | 13.55 | 111946000 | 50.0 |