LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100419\
Data File : VW013443.D
Acq On : 04 Oct 2019 17:03
Operator : SY/VA
Sample : K5213-07
Misc : 5.02G/5ML/MSVOA W/SOIL
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** S-4(0-5)

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_W\METHOD\82W100119S.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 | 2.154 | 35 | 41 | 46 | rBV2 | 9045 | 14853 | 1.25% | 0.071% |
| 2 | 2.355 | 65 | 74 | 81 | rBV | 9149 | 15960 | 1.35% | 0.077% |
| 3 | 2.635 | 113 | 120 | 125 | rBV6 | 6961 | 14102 | 1.19% | 0.068% |
| 4 | 4.379 | 397 | 406 | 419 | rBV3 | 7859 | 25624 | 2.16% | 0.123% |
| 5 | 5.007 | 500 | 509 | 520 | rVB2 | 6559 | 22730 | 1.92% | 0.109% |
| 6 | 7.165 | 847 | 863 | 876 | rBV2 | 169964 | 528938 | 44.62% | 2.544% |
| 7 | 7.878 | 974 | 980 | 985 | rBV3 | 23659 | 56633 | 4.78% | 0.272% |
| 8 | 7.945 | 985 | 991 | 998 | rVB | 53761 | 120868 | 10.20% | 0.581% |
| 9 | 8.256 | 1034 | 1042 | 1047 | rBV2 | 53108 | 134488 | 11.34% | 0.647% |
| 10 | 8.842 | 1131 | 1138 | 1147 | rBV | 70907 | 150343 | 12.68% | 0.723% |
| 11 | 9.092 | 1173 | 1179 | 1186 | rBV | 36510 | 70540 | 5.95% | 0.339% |
| 12 | 9.750 | 1283 | 1287 | 1292 | rBV8 | 7427 | 15869 | 1.34% | 0.076% |
| 13 | 10.323 | 1375 | 1381 | 1390 | rBV | 121638 | 226451 | 19.10% | 1.089% |
| 14 | 10.707 | 1440 | 1444 | 1448 | rVB | 14737 | 24400 | 2.06% | 0.117% |
| 15 | 10.860 | 1464 | 1469 | 1475 | rBV | 61418 | 98282 | 8.29% | 0.473% |
| 16 | 10.933 | 1478 | 1481 | 1485 | rBV4 | 18958 | 27793 | 2.34% | 0.134% |
| 17 | 11.225 | 1525 | 1529 | 1536 | rVB | 64729 | 122869 | 10.36% | 0.591% |
| 18 | 11.280 | 1536 | 1538 | 1542 | rBV5 | 13259 | 14300 | 1.21% | 0.069% |
| 19 | 11.335 | 1544 | 1547 | 1551 | rBV5 | 22044 | 31776 | 2.68% | 0.153% |
| 20 | 11.433 | 1560 | 1563 | 1571 | rVB2 | 62407 | 110268 | 9.30% | 0.530% |
| 21 | 11.512 | 1573 | 1576 | 1584 | rVB | 31645 | 55060 | 4.64% | 0.265% |
| 22 | 11.634 | 1591 | 1596 | 1607 | rVB | 94768 | 189157 | 15.96% | 0.910% |
| 23 | 11.762 | 1614 | 1617 | 1620 | rBV4 | 22952 | 27989 | 2.36% | 0.135% |
| 24 | 11.872 | 1631 | 1635 | 1639 | rBV | 48277 | 92508 | 7.80% | 0.445% |
| 25 | 11.975 | 1649 | 1652 | 1655 | rBV4 | 15941 | 24570 | 2.07% | 0.118% |
| 26 | 12.134 | 1672 | 1678 | 1684 | rBV3 | 122841 | 272397 | 22.98% | 1.310% |
| 27 | 12.250 | 1693 | 1697 | 1701 | rVB | 155379 | 225069 | 18.99% | 1.083% |
| 28 | 12.359 | 1702 | 1715 | 1722 | rBV5 | 181793 | 674200 | 56.87% | 3.243% |
| 29 | 12.615 | 1751 | 1757 | 1763 | rBV4 | 162715 | 333153 | 28.10% | 1.602% |
| 30 | 12.780 | 1779 | 1784 | 1789 | rVB2 | 225570 | 384995 | 32.48% | 1.852% |
| 31 | 12.859 | 1790 | 1797 | 1803 | rBV6 | 175655 | 535685 | 45.19% | 2.577% |
| 32 | 12.938 | 1804 | 1810 | 1824 | rVB10 | 241212 | 1021409 | 86.16% | 4.913% |
| 33 | 13.079 | 1829 | 1833 | 1837 | rVB3 | 155626 | 209398 | 17.66% | 1.007% |
| 34 | 13.127 | 1837 | 1841 | 1843 | rBV3 | 92199 | 145979 | 12.31% | 0.702% |

LSC Area Percent Report

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Data File : VW013443.D
Acq On : 04 Oct 2019 17:03
Operator : SY/VA
Sample : K5213-07
Misc : 5.02G/5ML/MSVOA W/SOIL
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** S-4(0-5)

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_W\METHOD\82W100119S.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 13.164 | 1843 | 1847 | 1860 | rVB2 | 339111 | 731641 | 61.72% | 3.519% |
| 36 | 13.268 | 1860 | 1864 | 1865 | rBV2 | 114646 | 170464 | 14.38% | 0.820% |
| 37 | 13.292 | 1865 | 1868 | 1871 | rBV3 | 120953 | 153446 | 12.94% | 0.738% |
| 38 | 13.377 | 1880 | 1882 | 1885 | rVB2 | 77030 | 80557 | 6.80% | 0.387% |
| 39 | 13.444 | 1886 | 1893 | 1897 | rBV6 | 284810 | 680011 | 57.36% | 3.271% |
| 40 | 13.481 | 1897 | 1899 | 1904 | rVB4 | 137532 | 179008 | 15.10% | 0.861% |
| 41 | 13.627 | 1919 | 1923 | 1928 | rBV7 | 75970 | 166069 | 14.01% | 0.799% |
| 42 | 13.694 | 1929 | 1934 | 1944 | rVV5 | 234702 | 658053 | 55.51% | 3.165% |
| 43 | 13.877 | 1958 | 1964 | 1968 | rBV4 | 640204 | 1185441 | 100.00% | 5.702% |
| 44 | 13.981 | 1977 | 1981 | 1984 | rBV4 | 213609 | 398519 | 33.62% | 1.917% |
| 45 | 14.091 | 1996 | 1999 | 2003 | rVB | 226672 | 304439 | 25.68% | 1.464% |
| 46 | 14.194 | 2012 | 2016 | 2022 | rBV4 | 197965 | 411723 | 34.73% | 1.980% |
| 47 | 14.261 | 2023 | 2027 | 2033 | rVB4 | 262142 | 461793 | 38.96% | 2.221% |
| 48 | 14.322 | 2033 | 2037 | 2041 | rBV5 | 128079 | 269156 | 22.71% | 1.295% |
| 49 | 14.383 | 2042 | 2047 | 2051 | rBV2 | 595200 | 969950 | 81.82% | 4.665% |
| 50 | 14.493 | 2062 | 2065 | 2068 | rBV4 | 159724 | 250688 | 21.15% | 1.206% |
| 51 | 14.548 | 2069 | 2074 | 2079 | rVV5 | 590746 | 988341 | 83.37% | 4.754% |
| 52 | 14.737 | 2102 | 2105 | 2109 | rVB3 | 180422 | 239582 | 20.21% | 1.152% |
| 53 | 14.798 | 2110 | 2115 | 2119 | rVV4 | 422700 | 915652 | 77.24% | 4.404% |
| 54 | 14.847 | 2119 | 2123 | 2130 | rVB5 | 497414 | 1127179 | 95.09% | 5.421% |
| 55 | 14.975 | 2140 | 2144 | 2146 | rBV3 | 154574 | 231342 | 19.52% | 1.113% |
| 56 | 15.060 | 2154 | 2158 | 2163 | rVB6 | 289696 | 484877 | 40.90% | 2.332% |
| 57 | 15.176 | 2172 | 2177 | 2183 | rVB4 | 244700 | 514351 | 43.39% | 2.474% |
| 58 | 15.328 | 2197 | 2202 | 2209 | rVB2 | 393673 | 692613 | 58.43% | 3.331% |
| 59 | 15.420 | 2210 | 2217 | 2222 | rBV5 | 333382 | 911390 | 76.88% | 4.384% |
| 60 | 15.737 | 2264 | 2269 | 2275 | rVB7 | 237063 | 509678 | 42.99% | 2.451% |
| 61 | 15.865 | 2287 | 2290 | 2300 | rVB6 | 198351 | 383961 | 32.39% | 1.847% |
| 62 | 16.371 | 2368 | 2373 | 2379 | rVB3 | 177110 | 365624 | 30.84% | 1.759% |
| 63 | 16.633 | 2411 | 2416 | 2425 | rVB8 | 127266 | 336821 | 28.41% | 1.620% |

Sum of corrected areas: 20791025

LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100419\
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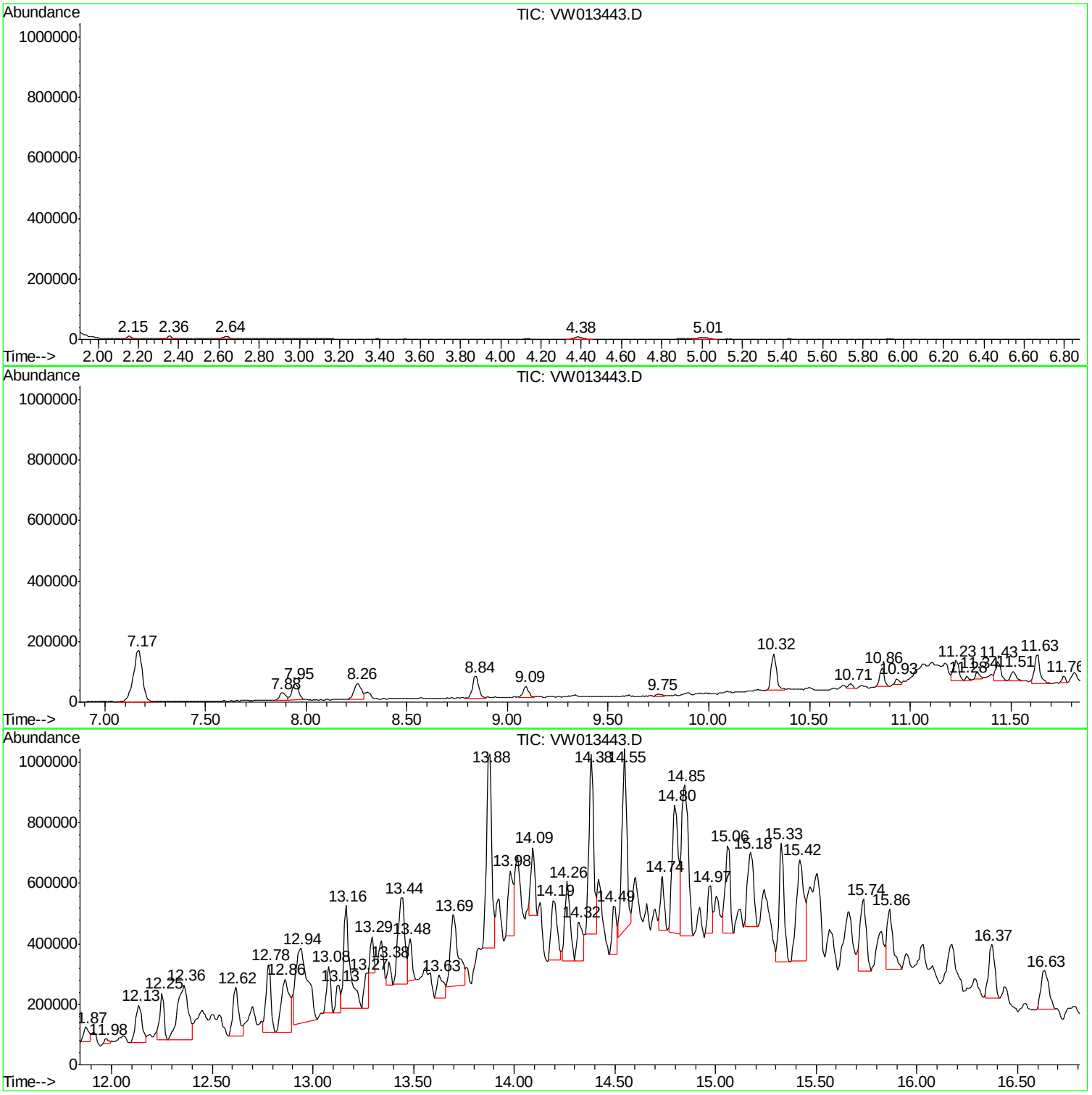
Operator : SY/VA
Sample : K5213-07
Misc : 5.02G/5ML/MSVOA W/SOIL
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** S-4(0-5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100419\
Data File : VW013443.D
Acq On : 04 Oct 2019 17:03
Operator : SY/VA
Sample : K5213-07
Misc : 5.02G/5ML/MSVOA_W/SOIL
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** S-4(0-5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
Quant Title : SW846 8260

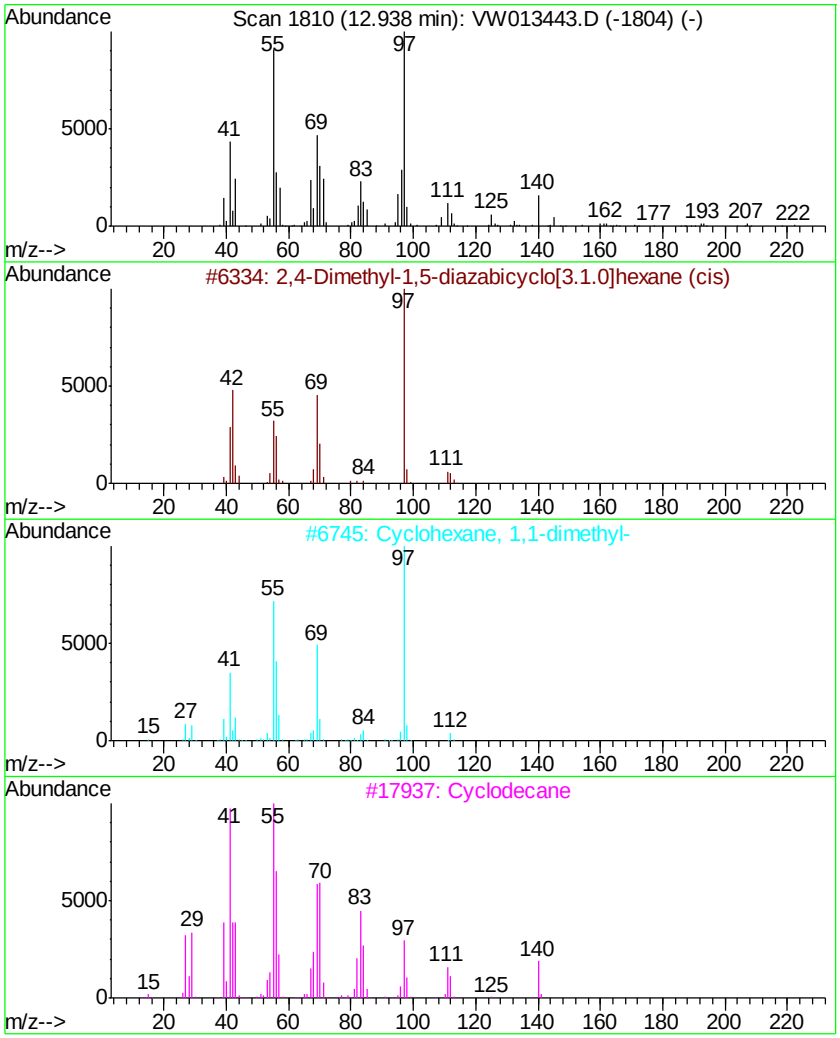
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

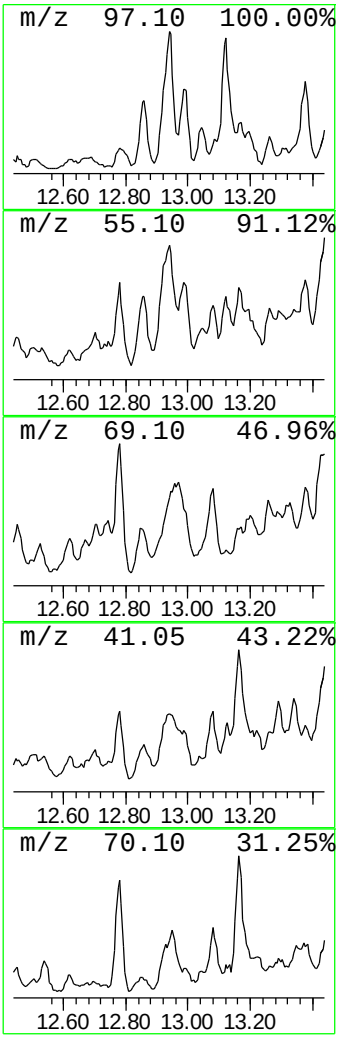
**********

Peak Number 1 unknown12.94 Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.94 | 307.53 ug/l | 1021410 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,4-Dimethyl-1,5-diazabicyclo[3.... | 112 | C6H12N2 | 100463-01-2 | 46 |
| 2 | Cyclohexane, 1,1-dimethyl- | 112 | C8H16 | 000590-66-9 | 43 |
| 3 | Cyclodecane | 140 | C10H20 | 000293-96-9 | 42 |
| 4 | 2,4-Dimethyl-1,5-diazabicyclo[3.... | 112 | C6H12N2 | 1000283-20-9 | 38 |
| 5 | 1H-Pyrazole, 4,5-dihydro-3,5,5-t... | 112 | C6H12N2 | 003975-85-7 | 38 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100419\
Data File : VW013443.D
Acq On : 04 Oct 2019 17:03
Operator : SY/VA
Sample : K5213-07
Misc : 5.02G/5ML/MSVOA_W/SOIL
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** S-4(0-5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
Quant Title : SW846 8260

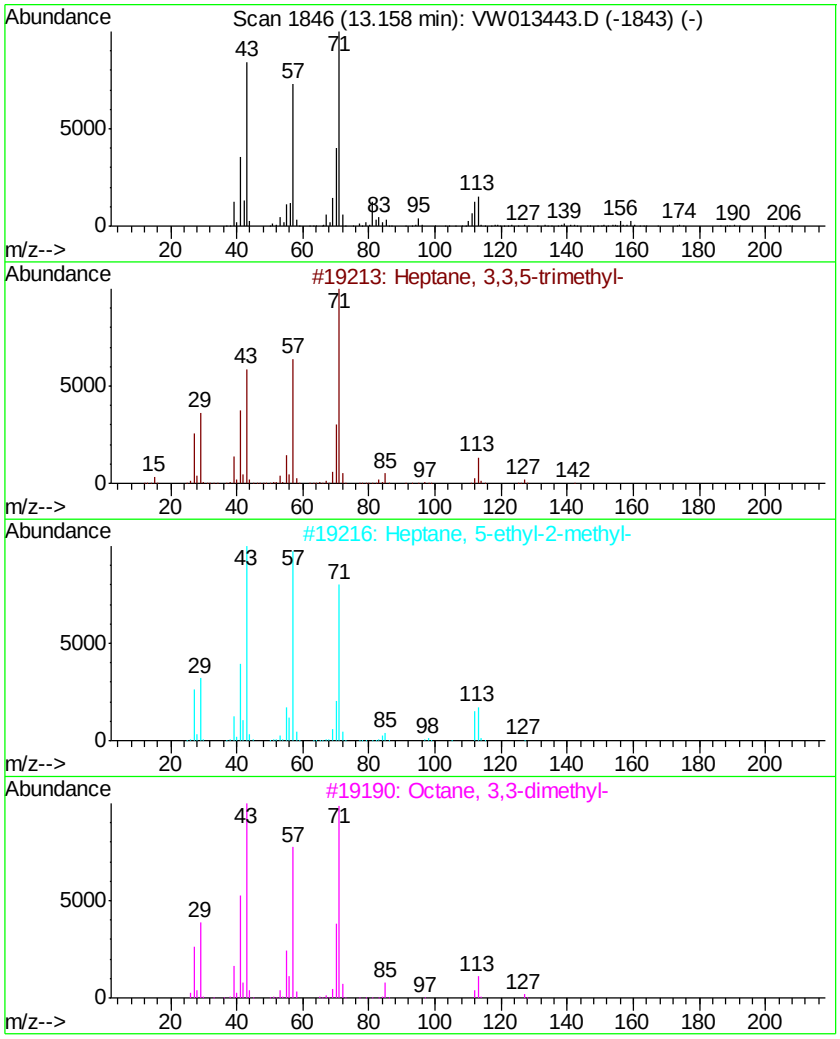
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

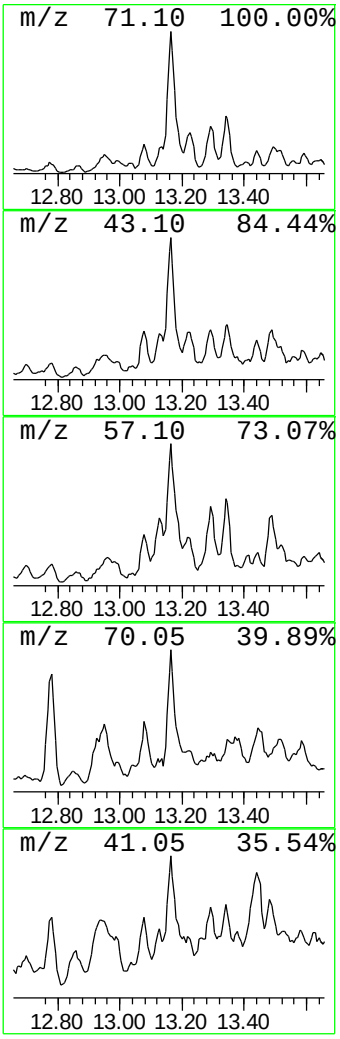
**********

Peak Number 2 Heptane, 3,3,5-trimethyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.16 | 220.28 ug/l | 731641 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptane, 3,3,5-trimethyl- | 142 | C10H22 | 007154-80-5 | 72 |
| 2 | Heptane, 5-ethyl-2-methyl- | 142 | C10H22 | 013475-78-0 | 59 |
| 3 | Octane, 3,3-dimethyl- | 142 | C10H22 | 004110-44-5 | 53 |
| 4 | Undecane, 4,5-dimethyl- | 184 | C13H28 | 017312-79-7 | 50 |
| 5 | Oxalic acid, hexyl neopentyl ester | 244 | C13H24O4 | 1000309-73-1 | 47 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100419\
Data File : VW013443.D
Acq On : 04 Oct 2019 17:03
Operator : SY/VA
Sample : K5213-07
Misc : 5.02G/5ML/MSVOA W/SOIL
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** S-4(0-5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
Quant Title : SW846 8260

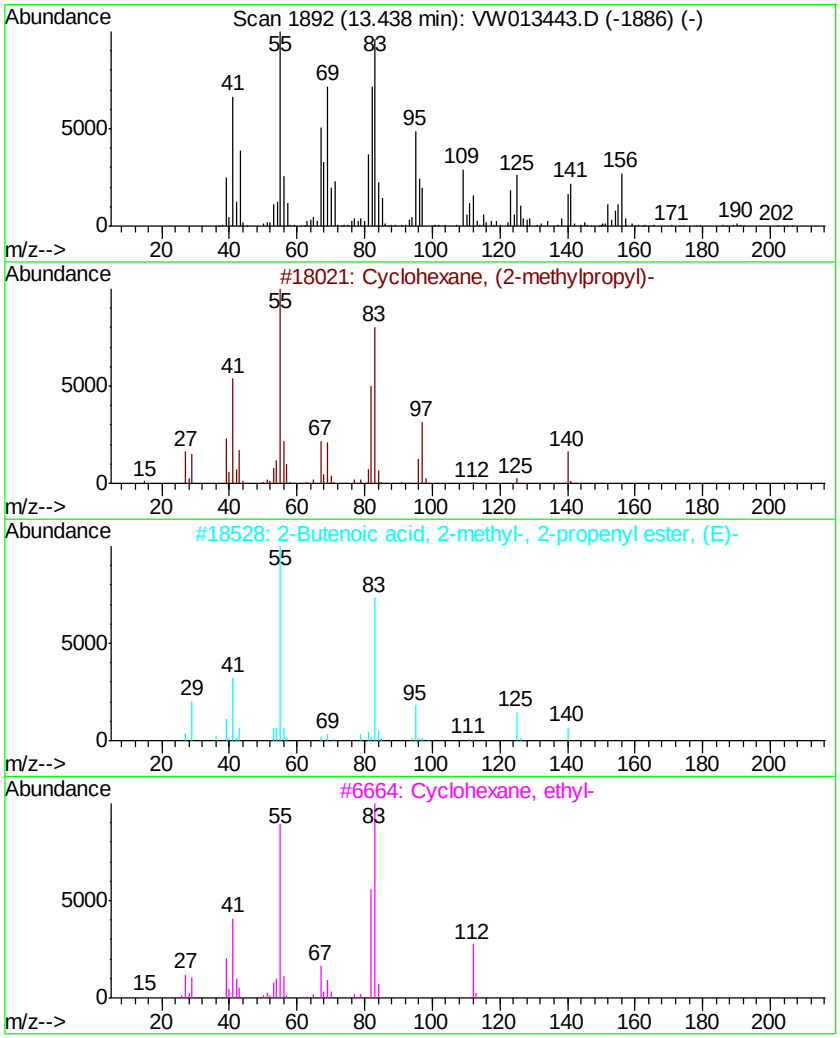
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

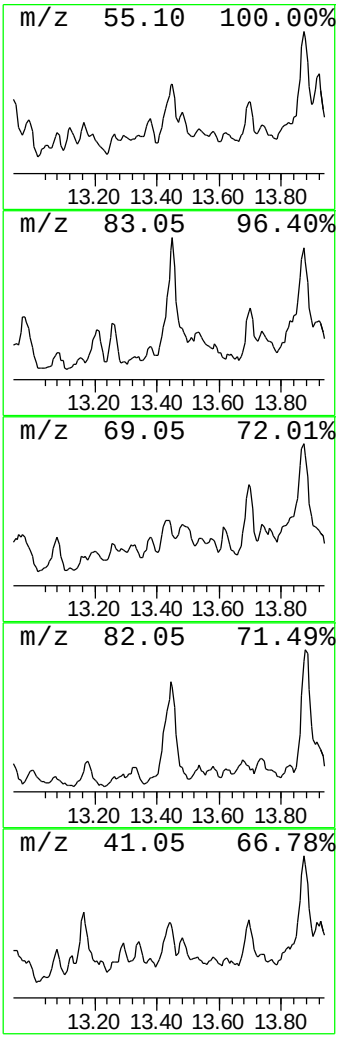
**********

Peak Number 3 Cyclohexane, (2-methylpropyl)- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.44 | 204.74 ug/l | 680011 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, (2-methylpropyl)- | 140 | C10H20 | 001678-98-4 | 53 |
| 2 | 2-Butenoic acid, 2-methyl-, 2-pr... | 140 | C8H12O2 | 007493-71-2 | 43 |
| 3 | Cyclohexane, ethyl- | 112 | C8H16 | 001678-91-7 | 43 |
| 4 | Cyclohexane, butyl- | 140 | C10H20 | 001678-93-9 | 43 |
| 5 | Cyclohexane, (1-methylethyl)- | 126 | C9H18 | 000696-29-7 | 41 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100419\
Data File : VW013443.D
Acq On : 04 Oct 2019 17:03
Operator : SY/VA
Sample : K5213-07
Misc : 5.02G/5ML/MSVOA_W/SOIL
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** S-4(0-5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
Quant Title : SW846 8260

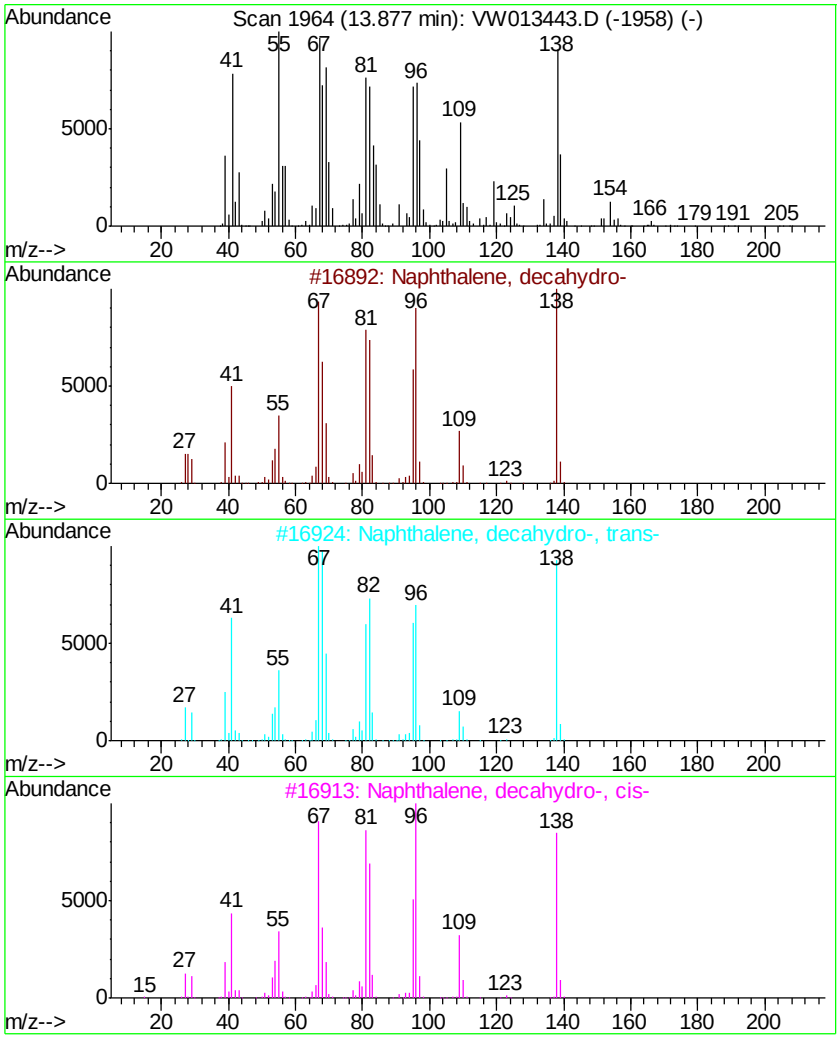
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

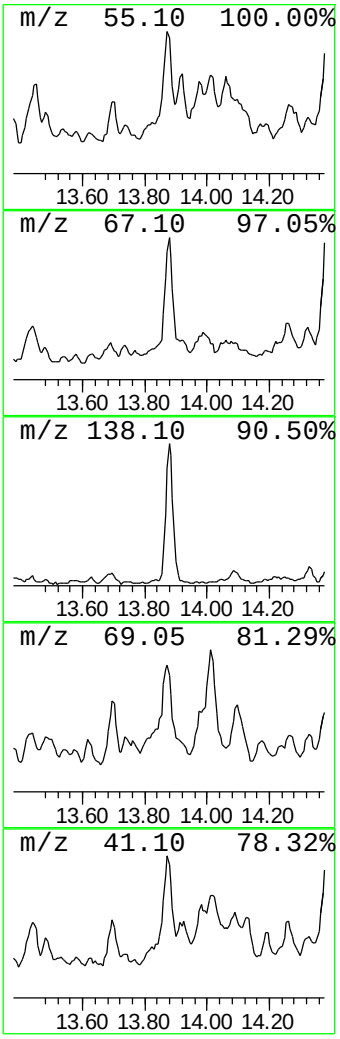
**********

Peak Number 4 Naphthalene, decahydro- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.88 | 356.91 ug/l | 1185440 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, decahydro- | 138 | C10H18 | 000091-17-8 | 93 |
| 2 | Naphthalene, decahydro-, trans- | 138 | C10H18 | 000493-02-7 | 91 |
| 3 | Naphthalene, decahydro-, cis- | 138 | C10H18 | 000493-01-6 | 64 |
| 4 | Spiro[4.5]decane | 138 | C10H18 | 000176-63-6 | 60 |
| 5 | Bicyclo[4.1.0]heptane, 3,7,7-tri... | 138 | C10H18 | 018968-23-5 | 55 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100419\
Data File : VW013443.D
Acq On : 04 Oct 2019 17:03
Operator : SY/VA
Sample : K5213-07
Misc : 5.02G/5ML/MSVOA_W/SOIL
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** S-4(0-5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
Quant Title : SW846 8260

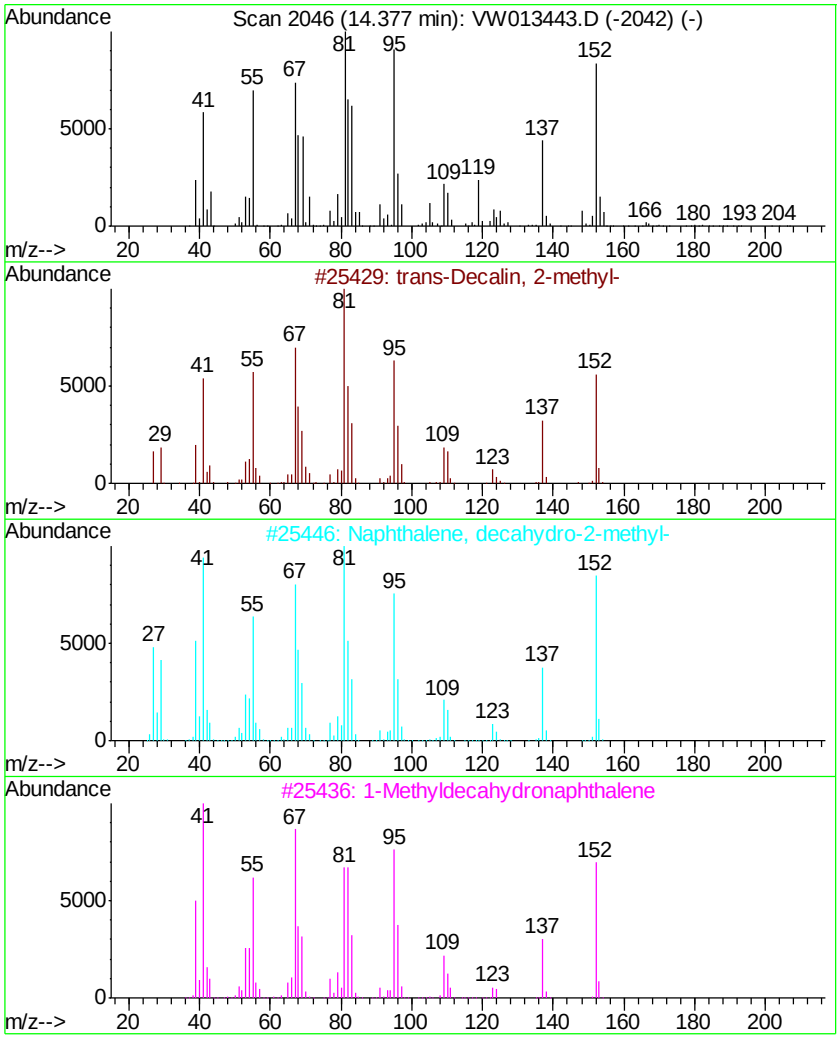
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

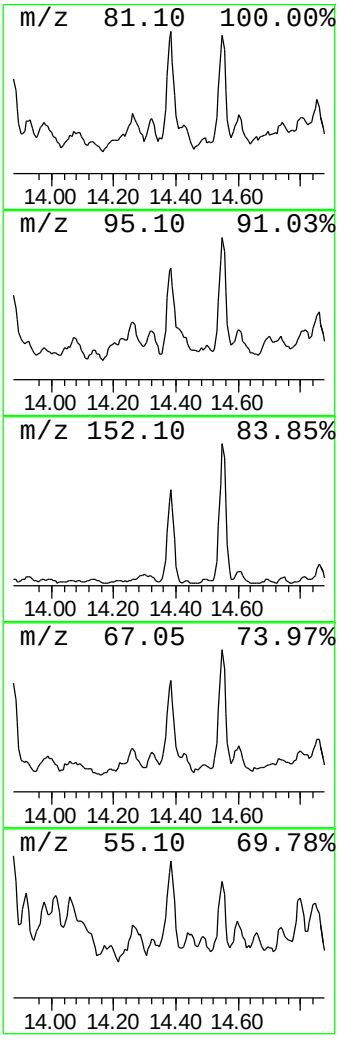
**********

Peak Number 5 trans-Decalin, 2-methyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.38 | 292.03 ug/l | 969950 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | trans-Decalin, 2-methyl- | 152 | C11H20 | 1000152-47-3 | 86 |
| 2 | Naphthalene, decahydro-2-methyl- | 152 | C11H20 | 002958-76-1 | 64 |
| 3 | 1-Methyldecahydronaphthalene | 152 | C11H20 | 002958-75-0 | 58 |
| 4 | Cyclohexene, 1-pentyl- | 152 | C11H20 | 015232-85-6 | 50 |
| 5 | 6,6-Dimethyl-cyclooct-4-enone | 152 | C10H16O | 1000194-10-0 | 49 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100419\
Data File : VW013443.D
Acq On : 04 Oct 2019 17:03
Operator : SY/VA
Sample : K5213-07
Misc : 5.02G/5ML/MSVOA_W/SOIL
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** S-4(0-5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
Quant Title : SW846 8260

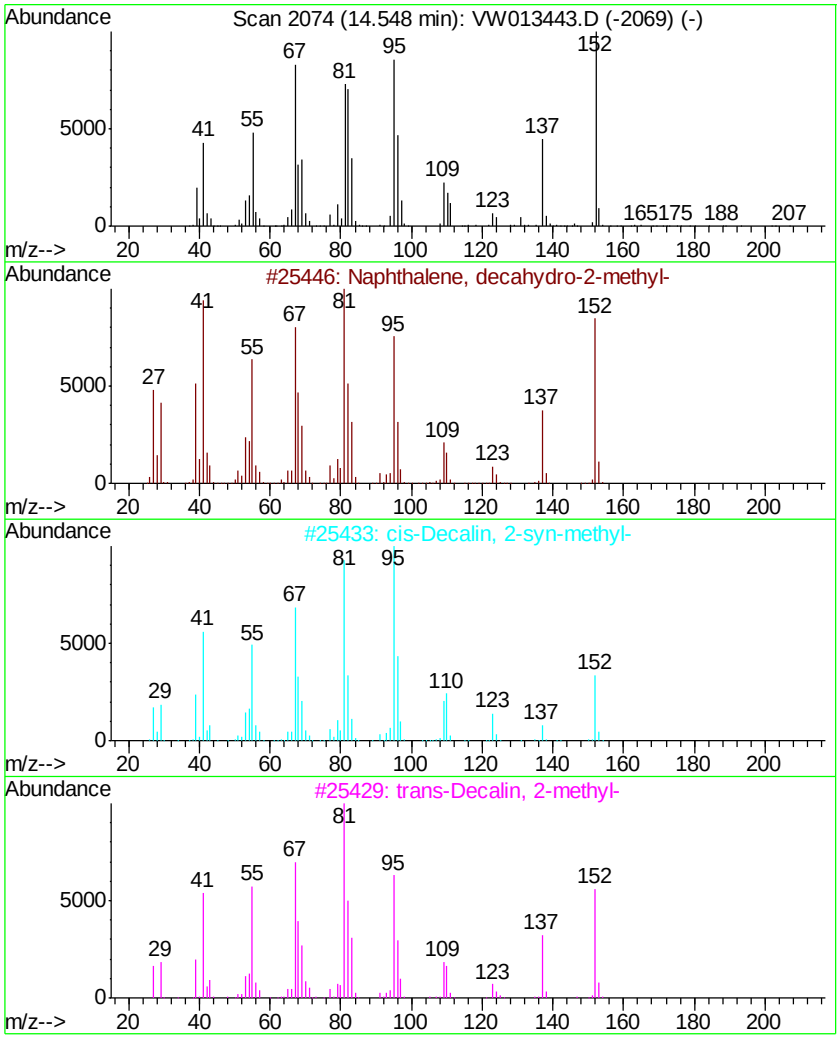
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

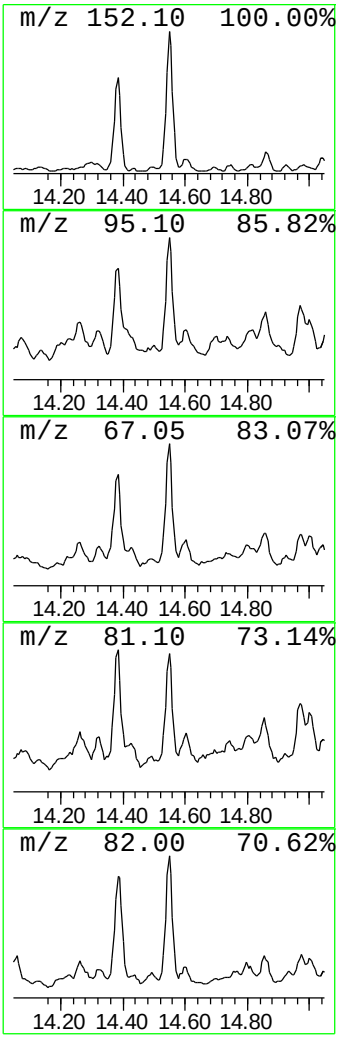
**********

Peak Number 6 Naphthalene, decahydro-2-me... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.55 | 297.57 ug/l | 988341 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, decahydro-2-methyl- | 152 | C11H20 | 002958-76-1 | 90 |
| 2 | cis-Decalin, 2-syn-methyl- | 152 | C11H20 | 1000155-85-6 | 83 |
| 3 | trans-Decalin, 2-methyl- | 152 | C11H20 | 1000152-47-3 | 64 |
| 4 | Bicyclo[3.3.2]decan-9-one | 152 | C10H16O | 028054-91-3 | 58 |
| 5 | Bicyclo[5.4.0]undecane (trans) | 152 | C11H20 | 021394-30-9 | 52 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100419\
Data File : VW013443.D
Acq On : 04 Oct 2019 17:03
Operator : SY/VA
Sample : K5213-07
Misc : 5.02G/5ML/MSVOA W/SOIL
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** S-4(0-5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
Quant Title : SW846 8260

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

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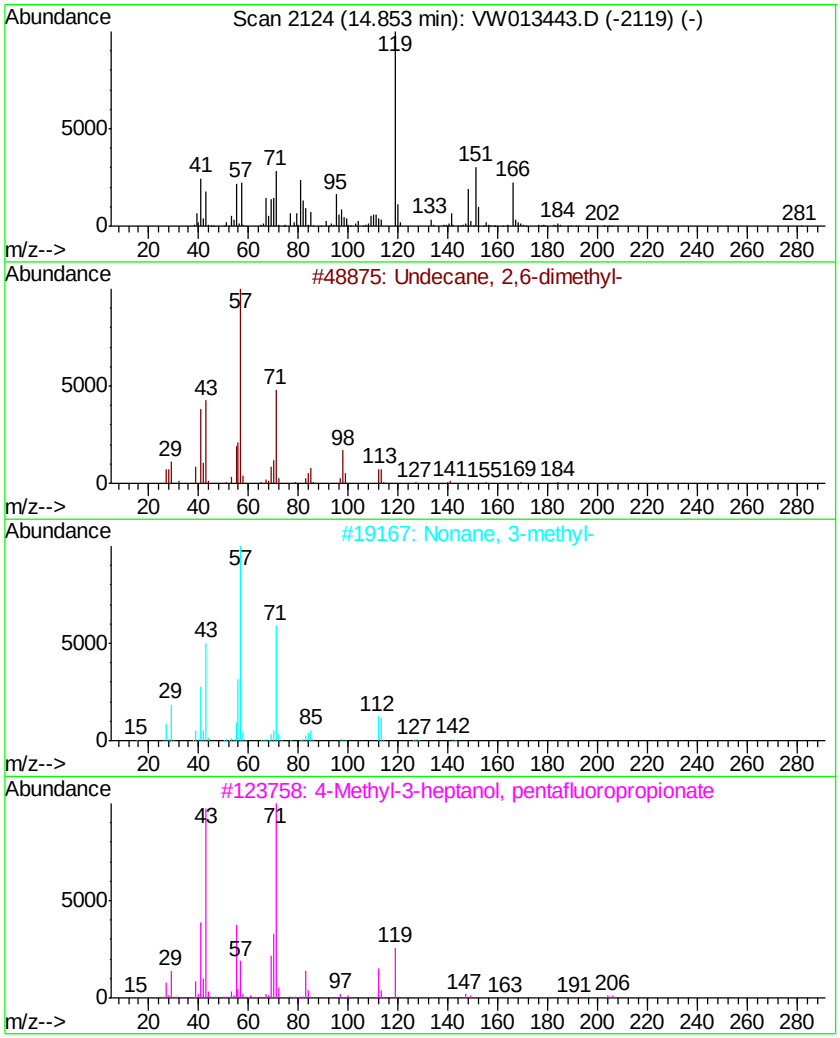
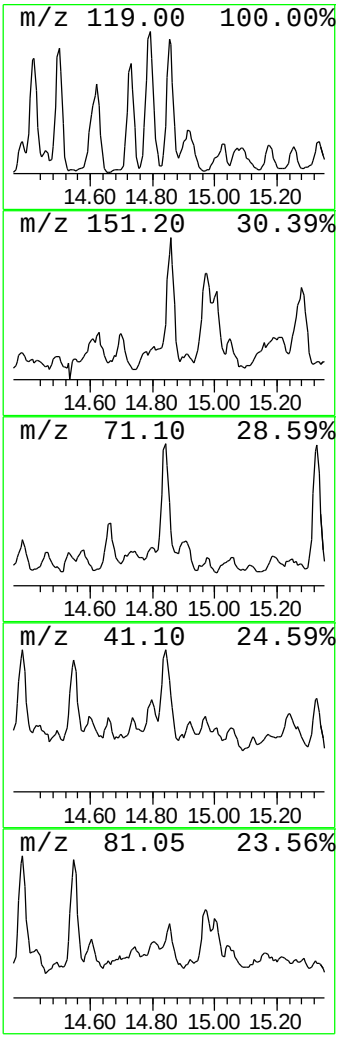
Peak Number 8 Undecane, 2,6-dimethyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.85 | 339.37 ug/l | 1127180 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Undecane, 2,6-dimethyl- | 184 | C13H28 | 017301-23-4 | 38 |
| 2 | Nonane, 3-methyl- | 142 | C10H22 | 005911-04-6 | 30 |
| 3 | 4-Methyl-3-heptanol, pentafluoro... | 276 | C11H17F5O2 | 1000365-51-7 | 27 |
| 4 | 4-Methyl-3-heptanol, heptafluoro... | 326 | C12H17F7O2 | 1000365-51-5 | 27 |
| 5 | Oxalic acid, 2-ethylhexyl nonyl ... | 328 | C19H36O4 | 1000309-39-2 | 27 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100419\
Data File : VW013443.D
Acq On : 04 Oct 2019 17:03
Operator : SY/VA
Sample : K5213-07
Misc : 5.02G/5ML/MSVOA_W/SOIL
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** S-4(0-5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
Quant Title : SW846 8260

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

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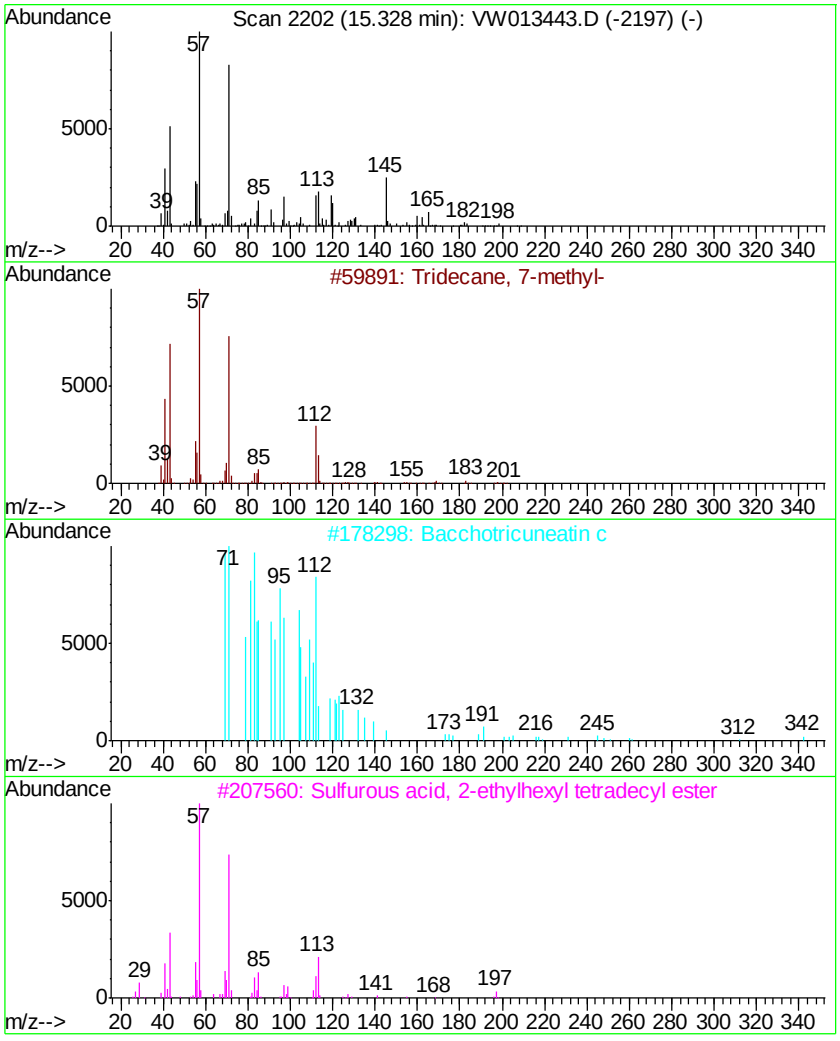
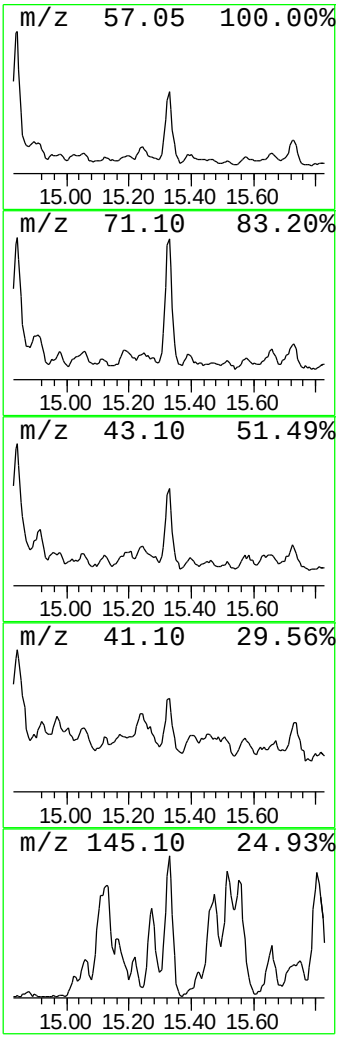
Peak Number 9 Tridecane, 7-methyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.33 | 208.53 ug/l | 692613 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tridecane, 7-methyl- | 198 | C14H30 | 026730-14-3 | 70 |
| 2 | Bacchotricuneatin c | 342 | C20H22O5 | 066563-30-2 | 68 |
| 3 | Sulfurous acid, 2-ethylhexyl tet... | 390 | C22H46O3S | 1000309-19-7 | 53 |
| 4 | Octane, 3,6-dimethyl- | 142 | C10H22 | 015869-94-0 | 53 |
| 5 | Nonane, 2,6-dimethyl- | 156 | C11H24 | 017302-28-2 | 52 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100419\
Data File : VW013443.D
Acq On : 04 Oct 2019 17:03
Operator : SY/VA
Sample : K5213-07
Misc : 5.02G/5ML/MSVOA W/SOIL
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** S-4(0-5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
Quant Title : SW846 8260

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

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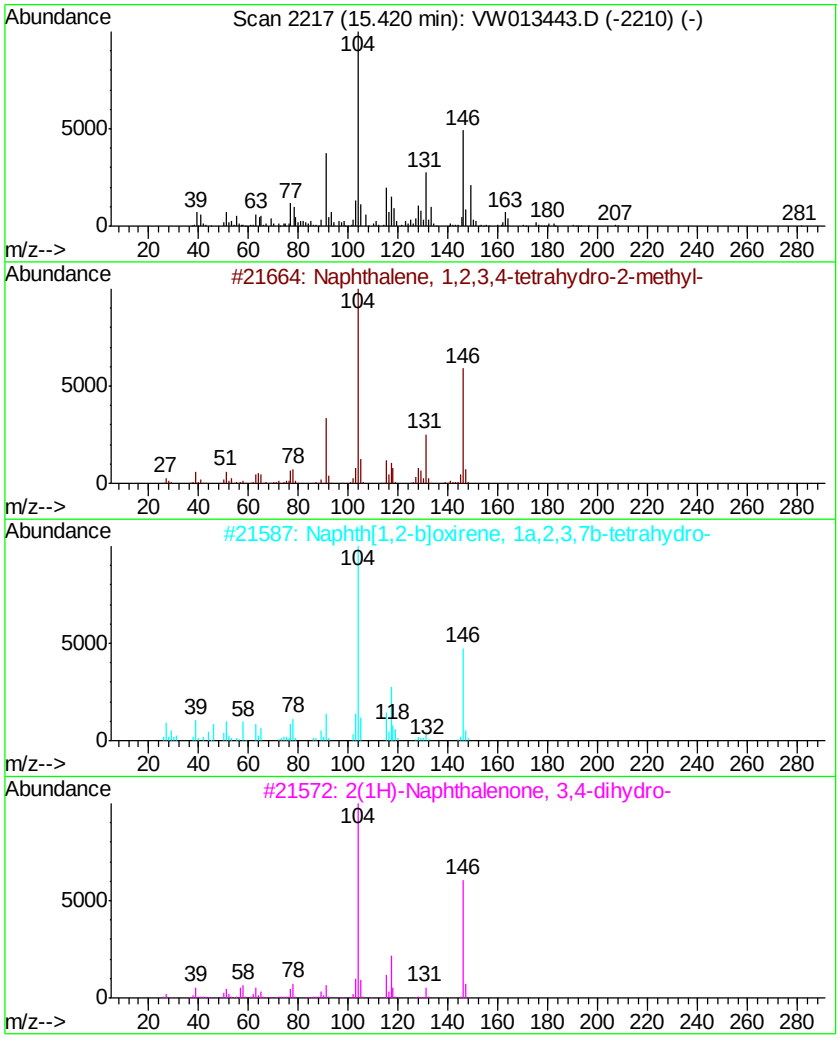
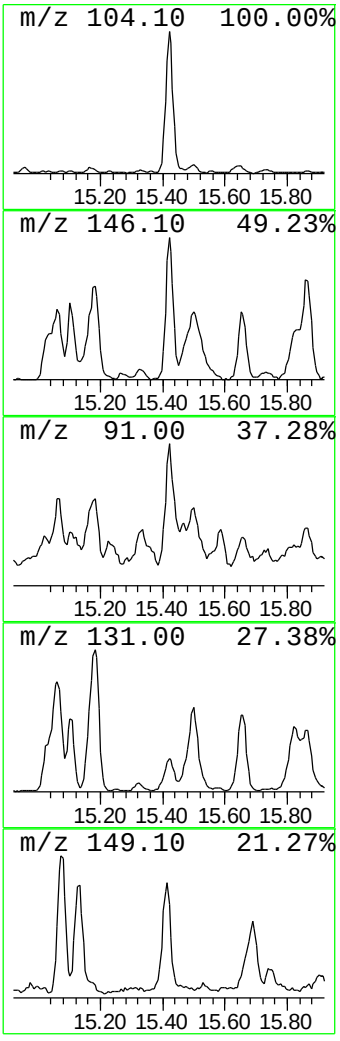
Peak Number 10 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.42 | 274.40 ug/l | 911390 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 003877-19-8 | 96 |
| 2 | Naphth[1,2-b]oxirene, 1a,2,3,7b-... | 146 | C10H10O | 002461-34-9 | 58 |
| 3 | 2(1H)-Naphthalenone, 3,4-dihydro- | 146 | C10H10O | 000530-93-8 | 52 |
| 4 | Naphthalene, 2-ethyl-1,2,3,4-tet... | 160 | C12H16 | 032367-54-7 | 49 |
| 5 | Naphthalene, 1,2,3,4-tetrahydro- | 132 | C10H12 | 000119-64-2 | 46 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100419\
Data File : VW013443.D
Acq On : 04 Oct 2019 17:03
Operator : SY/VA
Sample : K5213-07
Misc : 5.02G/5ML/MSVOA_W/SOIL
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** S-4(0-5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.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 |
| unknown12.94 | 12.94 | 307.5 | ug/l | 1021410 | 4 | 13.56 | 166069 | 50.0 |
| Heptane, 3,3,5-tr... | 13.16 | 220.3 | ug/l | 731641 | 4 | 13.56 | 166069 | 50.0 |
| Cyclohexane, (2-m... | 13.44 | 204.7 | ug/l | 680011 | 4 | 13.56 | 166069 | 50.0 |
| Naphthalene, deca... | 13.88 | 356.9 | ug/l | 1185440 | 4 | 13.56 | 166069 | 50.0 |
| trans-Decalin, 2-... | 14.38 | 292.0 | ug/l | 969950 | 4 | 13.56 | 166069 | 50.0 |
| Naphthalene, deca... | 14.55 | 297.6 | ug/l | 988341 | 4 | 13.56 | 166069 | 50.0 |
| Undecane, 2,6-dim... | 14.85 | 339.4 | ug/l | 1127180 | 4 | 13.56 | 166069 | 50.0 |
| Tridecane, 7-methyl- | 15.33 | 208.5 | ug/l | 692613 | 4 | 13.56 | 166069 | 50.0 |
| Naphthalene, 1,2,... | 15.42 | 274.4 | ug/l | 911390 | 4 | 13.56 | 166069 | 50.0 |