LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061920\
Data File : VX016909.D
Acq On : 20 Jun 2020 05:30
Operator : JC/SP
Sample : L3063-08
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 42 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** TW-12

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\82X061820W.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 | 1.160 | 8 | 12 | 22 | rVB | 143948 | 138117 | 8.34% | 0.850% |
| 2 | 1.380 | 44 | 48 | 56 | rBV2 | 72433 | 124950 | 7.54% | 0.769% |
| 3 | 1.776 | 108 | 113 | 123 | rVB | 174715 | 236025 | 14.25% | 1.453% |
| 4 | 1.935 | 135 | 139 | 143 | rBV | 19620 | 27642 | 1.67% | 0.170% |
| 5 | 1.983 | 143 | 147 | 157 | rVB2 | 43743 | 74977 | 4.53% | 0.462% |
| 6 | 2.252 | 186 | 191 | 201 | rVB | 40452 | 72887 | 4.40% | 0.449% |
| 7 | 2.380 | 201 | 212 | 216 | rVV | 41119 | 87941 | 5.31% | 0.541% |
| 8 | 2.410 | 216 | 217 | 228 | rVB | 20867 | 31813 | 1.92% | 0.196% |
| 9 | 2.575 | 234 | 244 | 253 | rBV2 | 22275 | 45244 | 2.73% | 0.279% |
| 10 | 2.825 | 268 | 285 | 289 | rBV2 | 40806 | 111964 | 6.76% | 0.689% |
| 11 | 2.867 | 289 | 292 | 295 | rVV | 33136 | 61806 | 3.73% | 0.380% |
| 12 | 2.916 | 295 | 300 | 308 | rVV | 65937 | 138611 | 8.37% | 0.853% |
| 13 | 3.008 | 308 | 315 | 329 | rVB | 55363 | 126318 | 7.62% | 0.778% |
| 14 | 3.160 | 331 | 340 | 351 | rBV3 | 97674 | 250625 | 15.13% | 1.543% |
| 15 | 4.282 | 513 | 524 | 531 | rBV3 | 10792 | 33126 | 2.00% | 0.204% |
| 16 | 4.373 | 531 | 539 | 552 | rVV2 | 69669 | 200725 | 12.12% | 1.236% |
| 17 | 4.501 | 552 | 560 | 571 | rVV6 | 10000 | 32900 | 1.99% | 0.203% |
| 18 | 5.275 | 666 | 687 | 702 | rVB7 | 15706 | 67863 | 4.10% | 0.418% |
| 19 | 5.464 | 702 | 718 | 727 | rBV | 178568 | 534980 | 32.29% | 3.293% |
| 20 | 5.556 | 727 | 733 | 737 | rVV2 | 18322 | 40384 | 2.44% | 0.249% |
| 21 | 5.629 | 737 | 745 | 755 | rVB | 295155 | 755803 | 45.62% | 4.652% |
| 22 | 5.903 | 780 | 790 | 801 | rBV6 | 9177 | 30061 | 1.81% | 0.185% |
| 23 | 6.031 | 802 | 811 | 818 | rVV | 175851 | 468501 | 28.28% | 2.884% |
| 24 | 6.111 | 818 | 824 | 837 | rVV | 209291 | 563484 | 34.01% | 3.469% |
| 25 | 6.233 | 837 | 844 | 849 | rVV6 | 10910 | 33984 | 2.05% | 0.209% |
| 26 | 6.318 | 850 | 858 | 869 | rVV3 | 33766 | 111967 | 6.76% | 0.689% |
| 27 | 6.434 | 869 | 877 | 888 | rVB7 | 11445 | 33109 | 2.00% | 0.204% |
| 28 | 6.830 | 931 | 942 | 953 | rBV | 418654 | 1020288 | 61.58% | 6.280% |
| 29 | 7.159 | 986 | 996 | 1002 | rBV6 | 12245 | 38297 | 2.31% | 0.236% |
| 30 | 7.232 | 1003 | 1008 | 1016 | rVB5 | 16002 | 38059 | 2.30% | 0.234% |
| 31 | 7.440 | 1031 | 1042 | 1051 | rVB4 | 26295 | 74151 | 4.48% | 0.456% |
| 32 | 8.037 | 1132 | 1140 | 1149 | rVB | 29745 | 62610 | 3.78% | 0.385% |
| 33 | 8.159 | 1151 | 1160 | 1164 | rBV | 63791 | 140230 | 8.46% | 0.863% |
| 34 | 8.244 | 1170 | 1174 | 1179 | rVB4 | 11106 | 19204 | 1.16% | 0.118% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061920\
Data File : VX016909.D
Acq On : 20 Jun 2020 05:30
Operator : JC/SP
Sample : L3063-08
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 42 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** TW-12

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\82X061820W.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 8.555 | 1218 | 1225 | 1232 | rVB6 | 12508 | 27201 | 1.64% | 0.167% |
| 36 | 8.696 | 1232 | 1248 | 1255 | rBV | 919359 | 1460432 | 88.15% | 8.990% |
| 37 | 8.769 | 1255 | 1260 | 1265 | rVB | 25216 | 42744 | 2.58% | 0.263% |
| 38 | 9.208 | 1327 | 1332 | 1337 | rBV | 12211 | 19521 | 1.18% | 0.120% |
| 39 | 9.287 | 1341 | 1345 | 1352 | rVB2 | 10589 | 18130 | 1.09% | 0.112% |
| 40 | 9.500 | 1371 | 1380 | 1384 | rBV | 32428 | 54219 | 3.27% | 0.334% |
| 41 | 9.561 | 1384 | 1390 | 1394 | rVB4 | 9703 | 16898 | 1.02% | 0.104% |
| 42 | 10.098 | 1472 | 1478 | 1488 | rBV | 1145063 | 1566313 | 94.54% | 9.642% |
| 43 | 10.348 | 1511 | 1519 | 1524 | rVB | 76028 | 107745 | 6.50% | 0.663% |
| 44 | 11.000 | 1620 | 1626 | 1632 | rBV | 487622 | 646691 | 39.03% | 3.981% |
| 45 | 11.122 | 1640 | 1646 | 1656 | rBV | 1125587 | 1406942 | 84.92% | 8.661% |
| 46 | 11.341 | 1677 | 1682 | 1692 | rVV | 399339 | 503501 | 30.39% | 3.099% |
| 47 | 11.439 | 1692 | 1698 | 1703 | rVV | 33788 | 45716 | 2.76% | 0.281% |
| 48 | 11.494 | 1703 | 1707 | 1714 | rVB | 19230 | 26312 | 1.59% | 0.162% |
| 49 | 11.652 | 1728 | 1733 | 1739 | rBV | 112531 | 138896 | 8.38% | 0.855% |
| 50 | 11.793 | 1751 | 1756 | 1762 | rVB | 247426 | 294035 | 17.75% | 1.810% |
| 51 | 11.902 | 1768 | 1774 | 1776 | rBV | 19608 | 25498 | 1.54% | 0.157% |
| 52 | 11.927 | 1776 | 1778 | 1782 | rVB | 23774 | 28691 | 1.73% | 0.177% |
| 53 | 12.061 | 1794 | 1800 | 1806 | rBV | 1338640 | 1656775 | 100.00% | 10.198% |
| 54 | 12.128 | 1806 | 1811 | 1817 | rVB | 115667 | 144074 | 8.70% | 0.887% |
| 55 | 12.286 | 1828 | 1837 | 1843 | rBV | 588514 | 806446 | 48.68% | 4.964% |
| 56 | 12.353 | 1843 | 1848 | 1858 | rVB2 | 59951 | 102202 | 6.17% | 0.629% |
| 57 | 12.445 | 1858 | 1863 | 1867 | rBV | 22962 | 28308 | 1.71% | 0.174% |
| 58 | 12.500 | 1867 | 1872 | 1877 | rVB | 47454 | 61995 | 3.74% | 0.382% |
| 59 | 12.573 | 1877 | 1884 | 1887 | rBV | 37776 | 53510 | 3.23% | 0.329% |
| 60 | 12.652 | 1891 | 1897 | 1900 | rVV | 150988 | 180702 | 10.91% | 1.112% |
| 61 | 12.683 | 1900 | 1902 | 1906 | rVB | 22386 | 26878 | 1.62% | 0.165% |
| 62 | 12.737 | 1906 | 1911 | 1919 | rBV2 | 69920 | 103705 | 6.26% | 0.638% |
| 63 | 12.890 | 1931 | 1936 | 1941 | rBV4 | 21855 | 29710 | 1.79% | 0.183% |
| 64 | 12.963 | 1941 | 1948 | 1951 | rVV | 95285 | 124183 | 7.50% | 0.764% |
| 65 | 13.000 | 1951 | 1954 | 1960 | rVB | 70012 | 87338 | 5.27% | 0.538% |
| 66 | 13.152 | 1971 | 1979 | 1984 | rBV6 | 10432 | 25859 | 1.56% | 0.159% |
| 67 | 13.207 | 1984 | 1988 | 1998 | rVB | 57921 | 74300 | 4.48% | 0.457% |
| 68 | 13.329 | 2004 | 2008 | 2014 | rVB2 | 140389 | 192167 | 11.60% | 1.183% |
| 69 | 13.463 | 2025 | 2030 | 2036 | rBV2 | 17119 | 22640 | 1.37% | 0.139% |
| 70 | 13.621 | 2052 | 2056 | 2062 | rVB4 | 17139 | 31554 | 1.90% | 0.194% |
| 71 | 13.701 | 2067 | 2069 | 2078 | rVB4 | 12929 | 27016 | 1.63% | 0.166% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061920\
Data File : VX016909.D
Acq On : 20 Jun 2020 05:30
Operator : JC/SP
Sample : L3063-08
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 42 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** TW-12

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\82X061820W.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 13.817 | 2082 | 2088 | 2094 | rBV | 131123 | 168866 | 10.19% | 1.039% |
| 73 | 14.255 | 2153 | 2160 | 2165 | rBV3 | 10217 | 20542 | 1.24% | 0.126% |
| 74 | 14.822 | 2248 | 2253 | 2258 | rVB | 14033 | 18596 | 1.12% | 0.114% |

Sum of corrected areas: 16245497

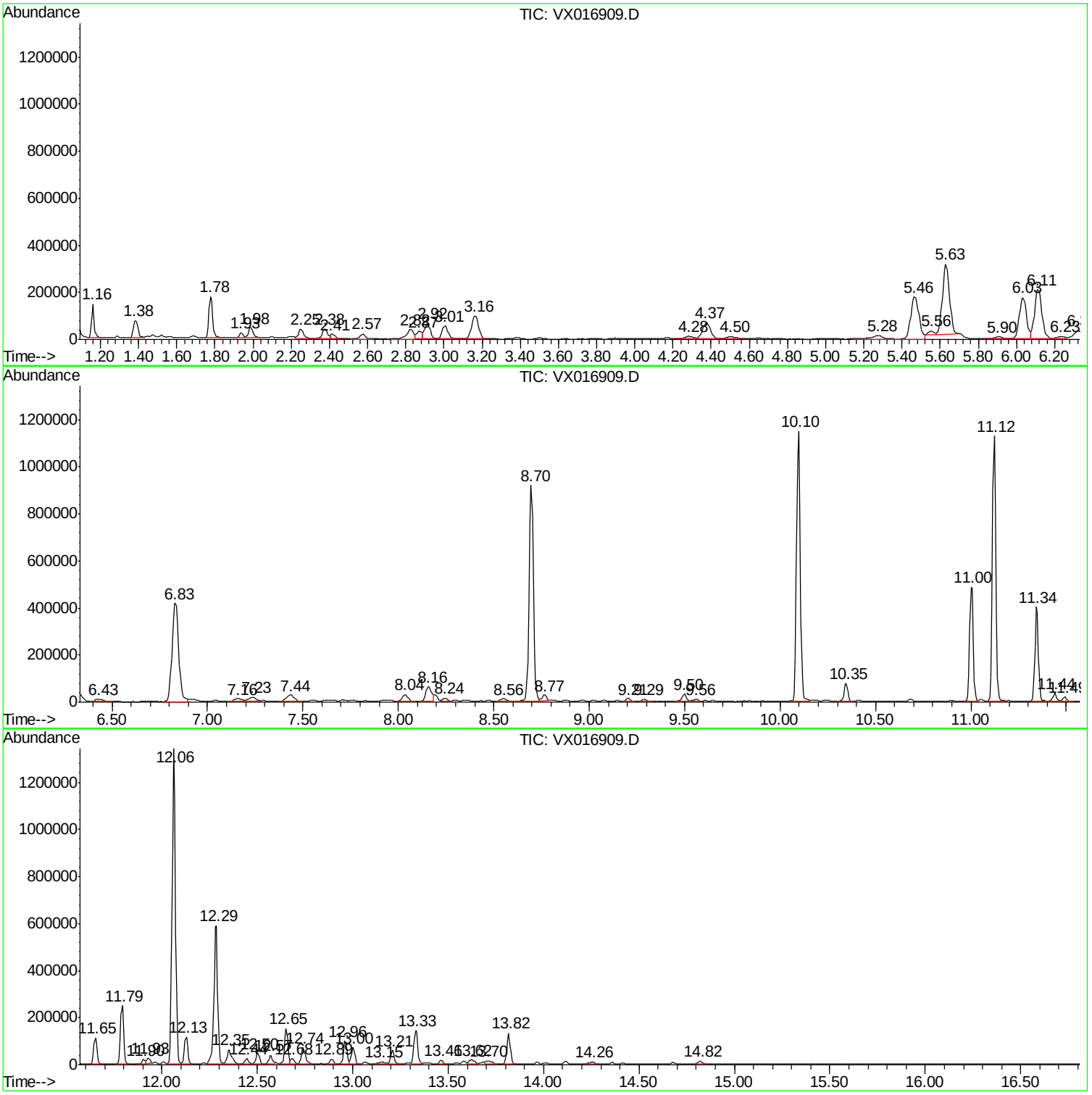
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX061920\
Data File : VX016909.D
Acq On : 20 Jun 2020 05:30
Operator : JC/SP
Sample : L3063-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 42 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
TW-12

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061820W.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\VX061920\
Data File : VX016909.D
Acq On : 20 Jun 2020 05:30
Operator : JC/SP
Sample : L3063-08
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 42 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** TW-12

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061820W.M
Quant Title : SW846 8260

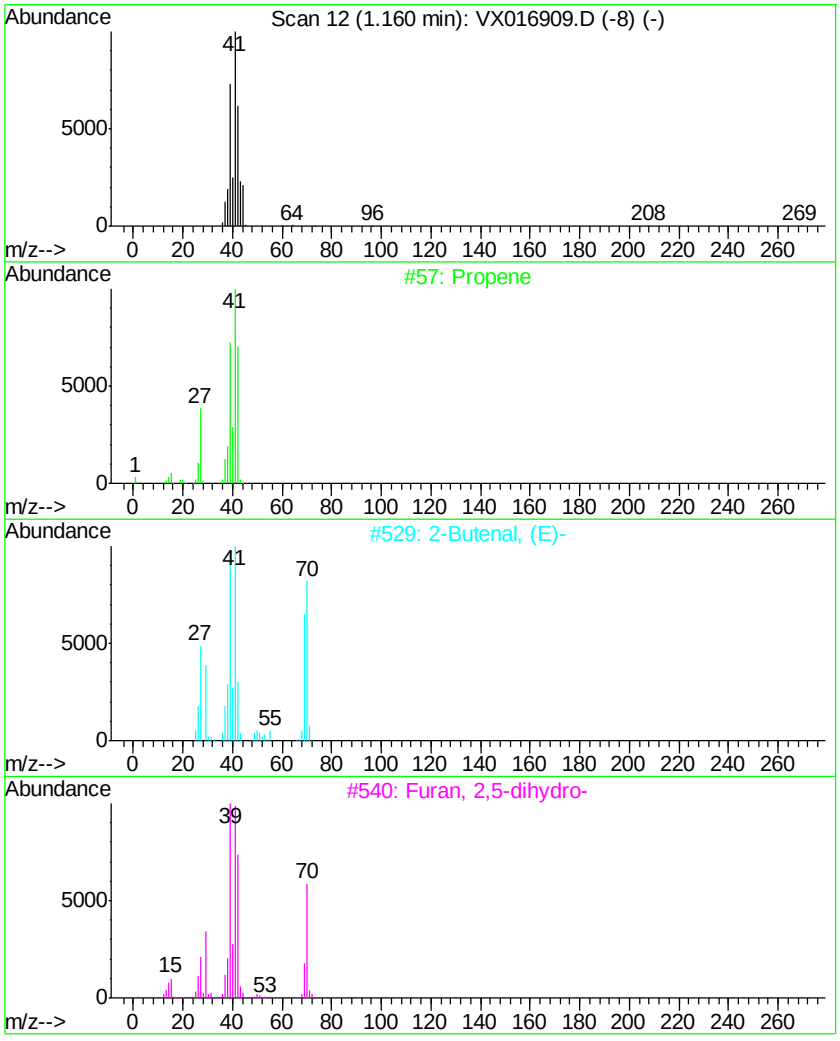
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

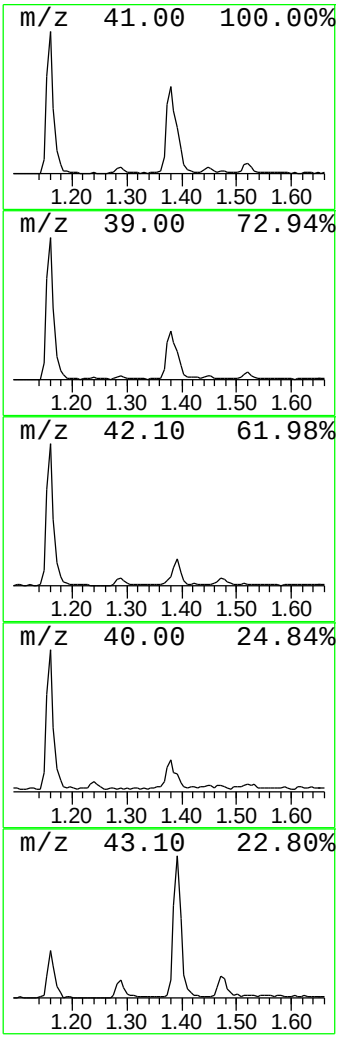
**********

Peak Number 1 Propene Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.16 | 9.14 ug/l | 138117 | Pentafluorobenzene | 5.63 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propene | 42 | C3H6 | 000115-07-1 | 80 |
| 2 | 2-Butenal, (E)- | 70 | C4H6O | 000123-73-9 | 64 |
| 3 | Furan, 2,5-dihydro- | 70 | C4H6O | 001708-29-8 | 56 |
| 4 | Cyclopropane | 42 | C3H6 | 000075-19-4 | 50 |
| 5 | Dimethylketene | 70 | C4H6O | 000598-26-5 | 39 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX061920\
Data File : VX016909.D
Acq On : 20 Jun 2020 05:30
Operator : JC/SP
Sample : L3063-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 42 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** TW-12

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061820W.M
Quant Title : SW846 8260

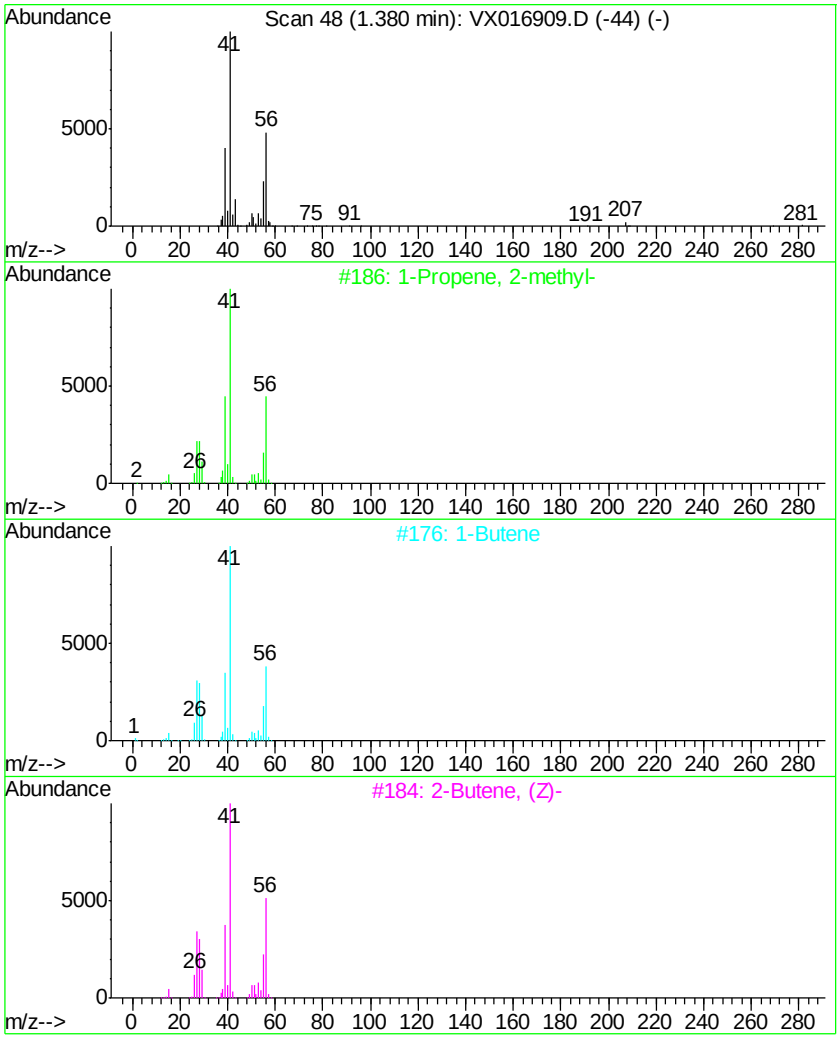
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

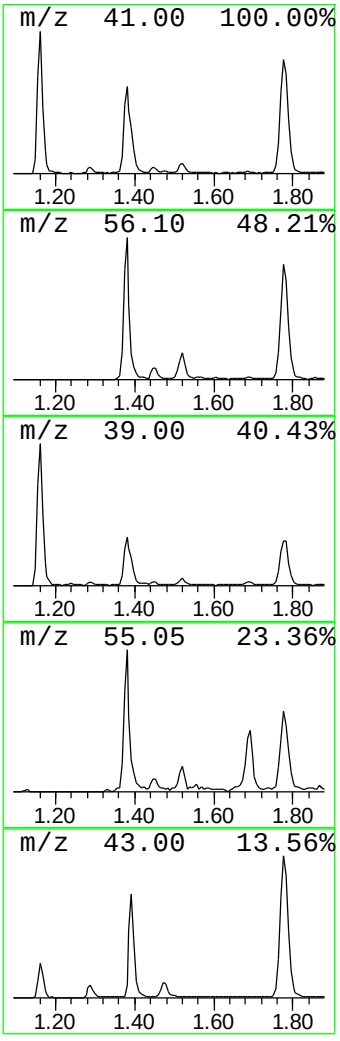
**********

Peak Number 2 1-Propene, 2-methyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.38 | 8.27 ug/l | 124950 | Pentafluorobenzene | 5.63 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Propene, 2-methyl- | 56 | C4H8 | 000115-11-7 | 90 |
| 2 | 1-Butene | 56 | C4H8 | 000106-98-9 | 87 |
| 3 | 2-Butene, (Z)- | 56 | C4H8 | 000590-18-1 | 87 |
| 4 | 2-Butene, (E)- | 56 | C4H8 | 000624-64-6 | 86 |
| 5 | 2-Butene | 56 | C4H8 | 000107-01-7 | 78 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX061920\
Data File : VX016909.D
Acq On : 20 Jun 2020 05:30
Operator : JC/SP
Sample : L3063-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 42 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** TW-12

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061820W.M
Quant Title : SW846 8260

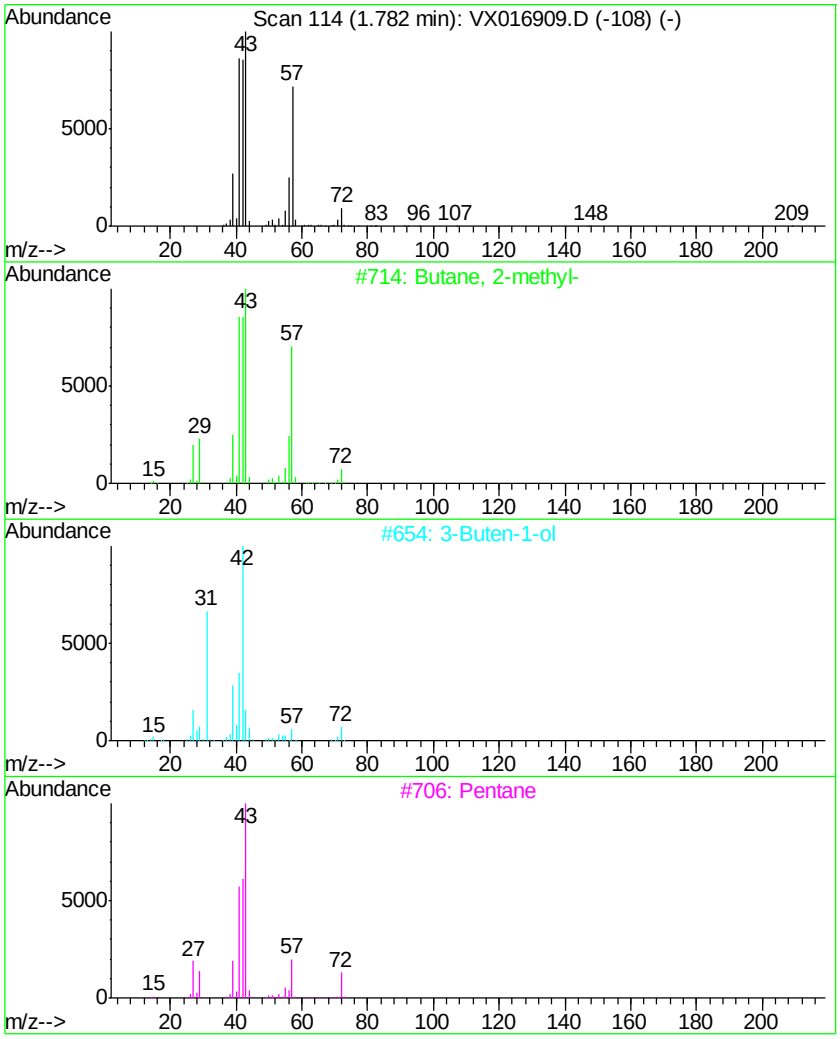
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

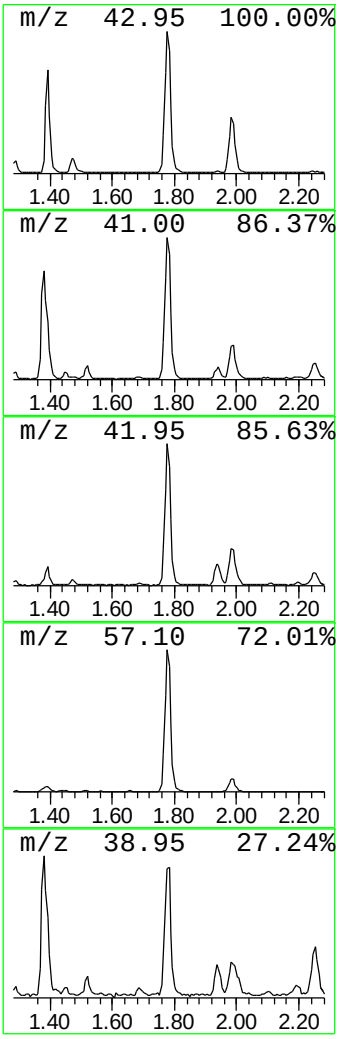
**********

Peak Number 3 Butane, 2-methyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.78 | 15.61 ug/l | 236025 | Pentafluorobenzene | 5.63 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methyl- | 72 | C5H12 | 000078-78-4 | 91 |
| 2 | 3-Buten-1-ol | 72 | C4H8O | 000627-27-0 | 40 |
| 3 | Pentane | 72 | C5H12 | 000109-66-0 | 39 |
| 4 | Cyclobutane, methyl- | 70 | C5H10 | 000598-61-8 | 25 |
| 5 | 1-Propene, 2-methyl- | 56 | C4H8 | 000115-11-7 | 10 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX061920\
Data File : VX016909.D
Acq On : 20 Jun 2020 05:30
Operator : JC/SP
Sample : L3063-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 42 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** TW-12

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061820W.M
Quant Title : SW846 8260

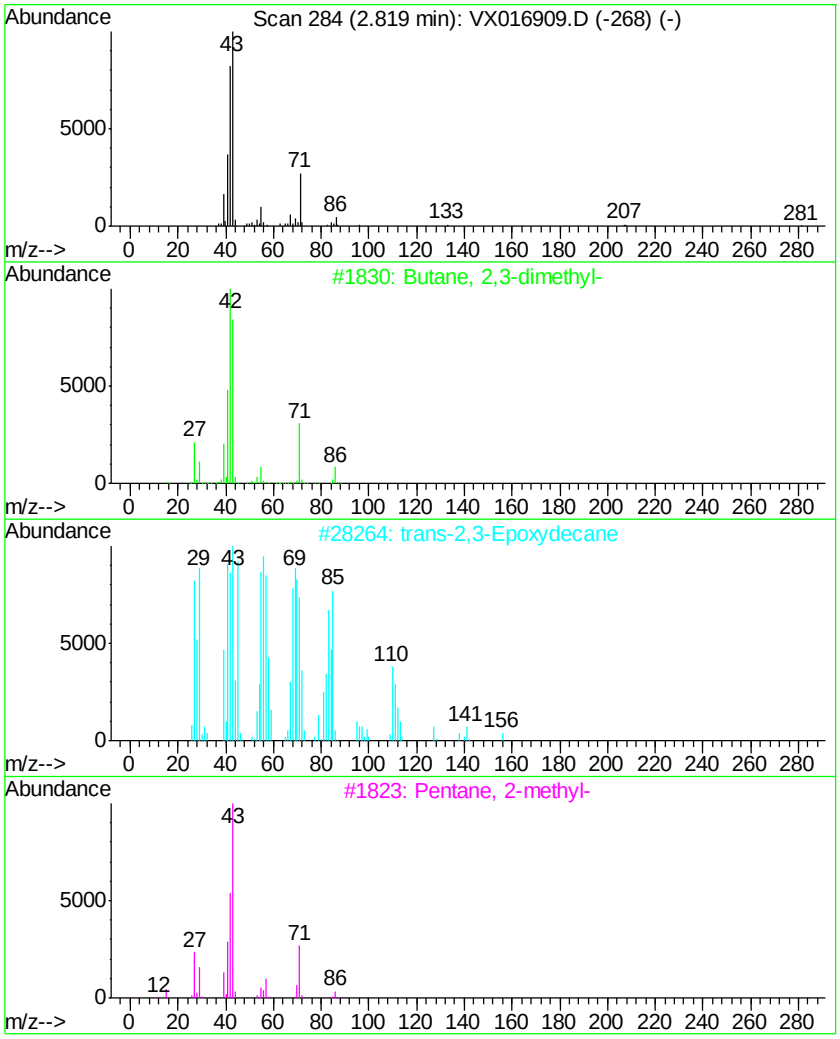
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

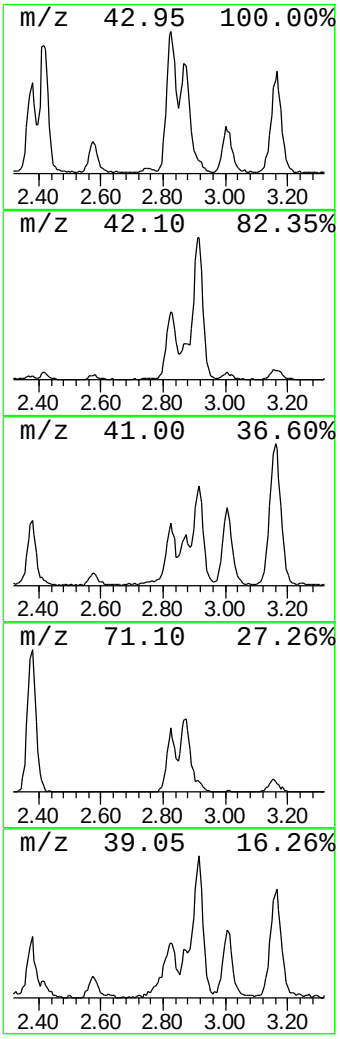
**********

Peak Number 4 Butane, 2,3-dimethyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.82 | 7.41 ug/l | 111964 | Pentafluorobenzene | 5.63 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2,3-dimethyl- | 86 | C6H14 | 000079-29-8 | 87 |
| 2 | trans-2,3-Epoxydecane | 156 | C10H20O | 054125-39-2 | 72 |
| 3 | Pentane, 2-methyl- | 86 | C6H14 | 000107-83-5 | 47 |
| 4 | Pentane | 72 | C5H12 | 000109-66-0 | 36 |
| 5 | Pyrrolidine | 71 | C4H9N | 000123-75-1 | 22 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX061920\
Data File : VX016909.D
Acq On : 20 Jun 2020 05:30
Operator : JC/SP
Sample : L3063-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 42 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** TW-12

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061820W.M
Quant Title : SW846 8260

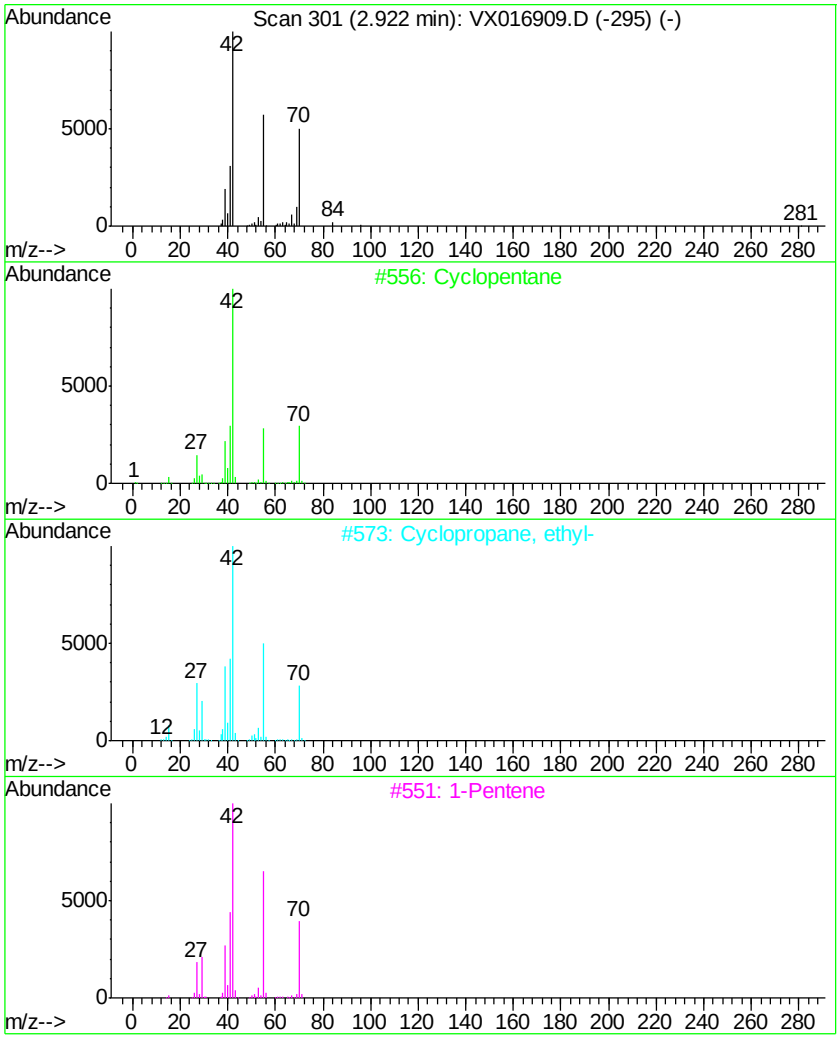
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

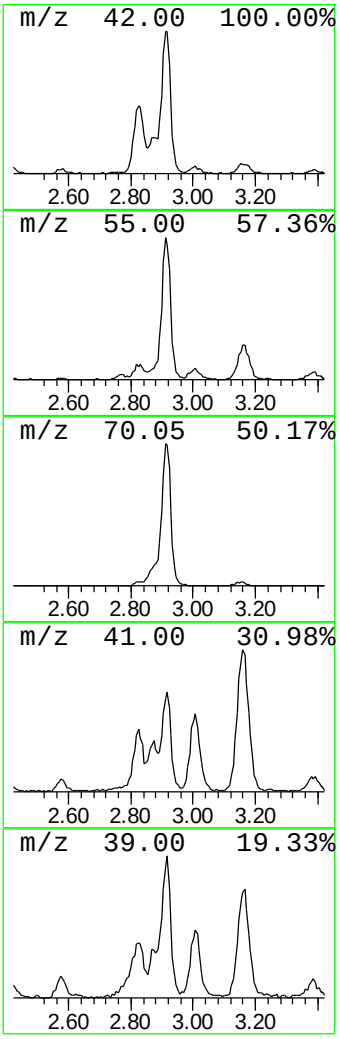
**********

Peak Number 5 Cyclopentane Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.92 | 9.17 ug/l | 138611 | Pentafluorobenzene | 5.63 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane | 70 | C5H10 | 000287-92-3 | 72 |
| 2 | Cyclopropane, ethyl- | 70 | C5H10 | 001191-96-4 | 56 |
| 3 | 1-Pentene | 70 | C5H10 | 000109-67-1 | 42 |
| 4 | 2-Butene-1,4-diol | 88 | C4H8O2 | 000110-64-5 | 39 |
| 5 | 2-Pentene, (E)- | 70 | C5H10 | 000646-04-8 | 38 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX061920\
Data File : VX016909.D
Acq On : 20 Jun 2020 05:30
Operator : JC/SP
Sample : L3063-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 42 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** TW-12

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061820W.M
Quant Title : SW846 8260

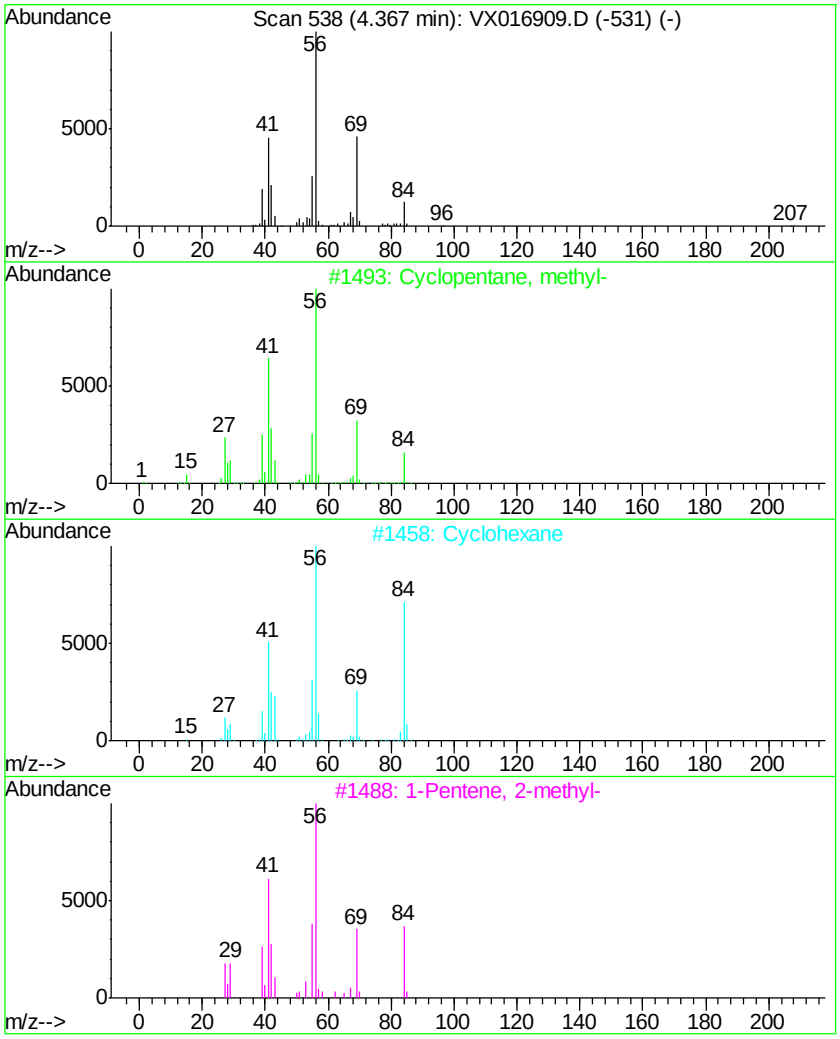
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

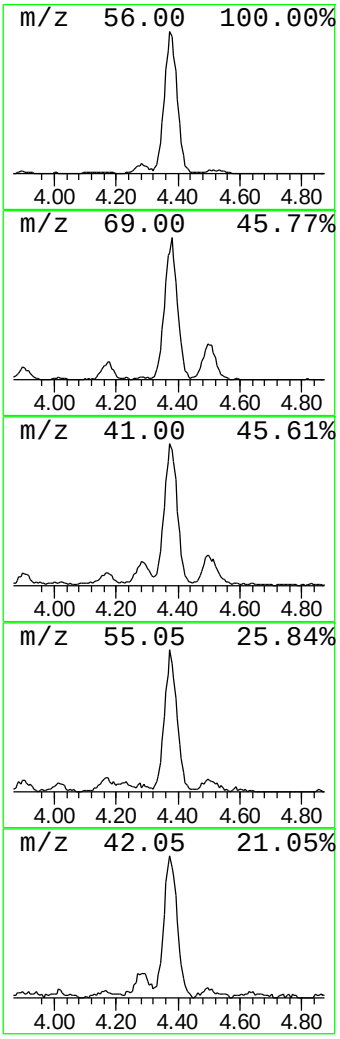
**********

Peak Number 6 Cyclopentane, methyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.37 | 13.28 ug/l | 200725 | Pentafluorobenzene | 5.63 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, methyl- | 84 | C6H12 | 000096-37-7 | 91 |
| 2 | Cyclohexane | 84 | C6H12 | 000110-82-7 | 83 |
| 3 | 1-Pentene, 2-methyl- | 84 | C6H12 | 000763-29-1 | 72 |
| 4 | Cyclobutane, ethyl- | 84 | C6H12 | 004806-61-5 | 64 |
| 5 | 1H-Tetrazole, 5-methyl- | 84 | C2H4N4 | 004076-36-2 | 64 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX061920\
Data File : VX016909.D
Acq On : 20 Jun 2020 05:30
Operator : JC/SP
Sample : L3063-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 42 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** TW-12

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061820W.M
Quant Title : SW846 8260

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

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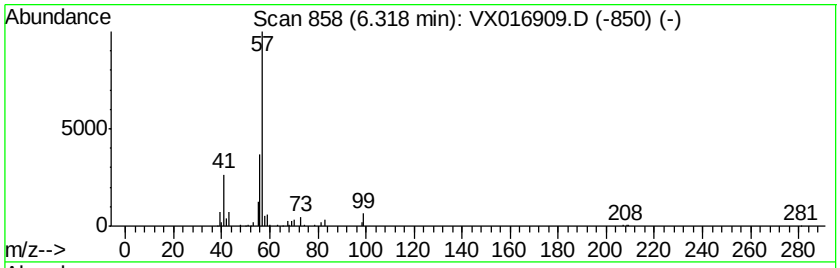
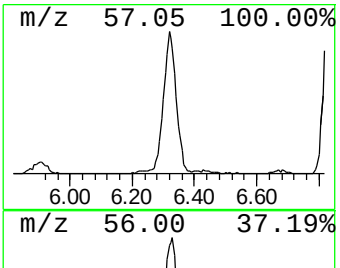
Peak Number 7 Carbonic acid, bis(2-methyl... Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.32 | 5.49 ug/l | 111967 | 1,4-Difluorobenzene | 6.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Carbonic acid, bis(2-methylpropy... | 174 | C9H18O3 | 000539-92-4 | 59 |
| 2 | Hexane, 2,2-dimethyl- | 114 | C8H18 | 000590-73-8 | 53 |
| 3 | Heptane, 2,2,4,6,6-pentamethyl- | 170 | C12H26 | 013475-82-6 | 53 |
| 4 | Pentane, 2,2,4-trimethyl- | 114 | C8H18 | 000540-84-1 | 53 |
| 5 | Pentane, 2,2,4,4-tetramethyl- | 128 | C9H20 | 001070-87-7 | 50 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX061920\
Data File : VX016909.D
Acq On : 20 Jun 2020 05:30
Operator : JC/SP
Sample : L3063-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 42 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** TW-12

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061820W.M
Quant Title : SW846 8260

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

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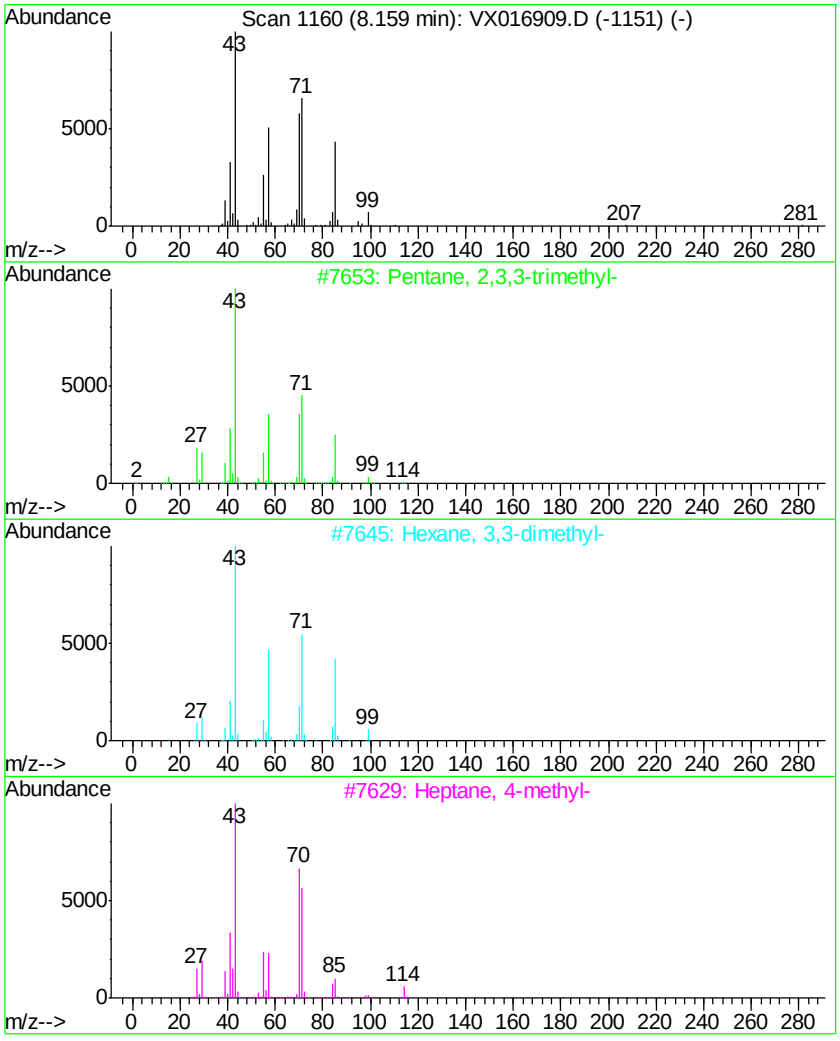
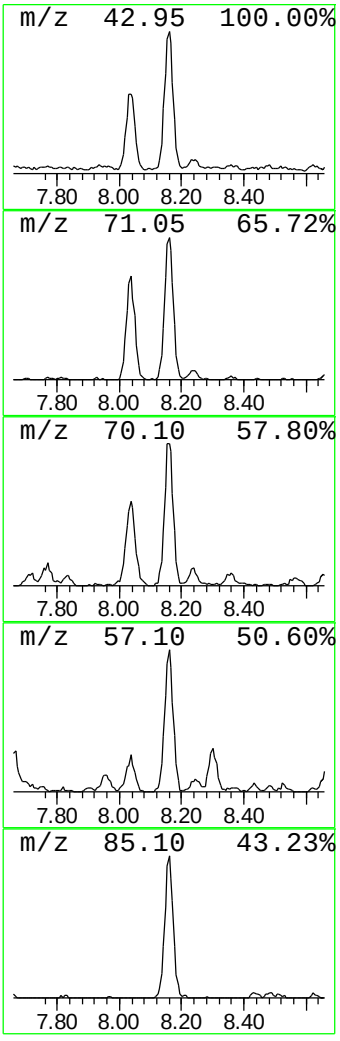
Peak Number 8 Pentane, 2,3,3-trimethyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.16 | 6.87 ug/l | 140230 | 1,4-Difluorobenzene | 6.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane, 2,3,3-trimethyl- | 114 | C8H18 | 000560-21-4 | 90 |
| 2 | Hexane, 3,3-dimethyl- | 114 | C8H18 | 000563-16-6 | 72 |
| 3 | Heptane, 4-methyl- | 114 | C8H18 | 000589-53-7 | 53 |
| 4 | Undecane, 5,7-dimethyl- | 184 | C13H28 | 017312-83-3 | 53 |
| 5 | Undecane, 2,7-dimethyl- | 184 | C13H28 | 017301-24-5 | 53 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX061920\
Data File : VX016909.D
Acq On : 20 Jun 2020 05:30
Operator : JC/SP
Sample : L3063-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 42 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** TW-12

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061820W.M
Quant Title : SW846 8260

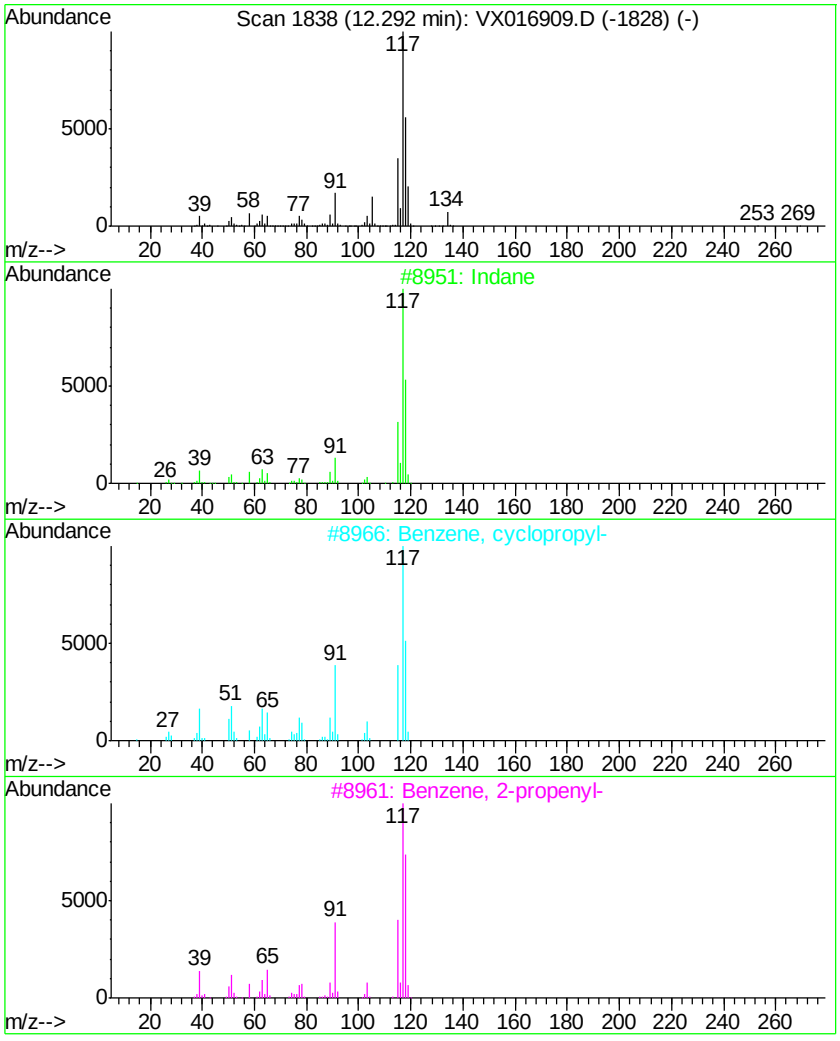
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

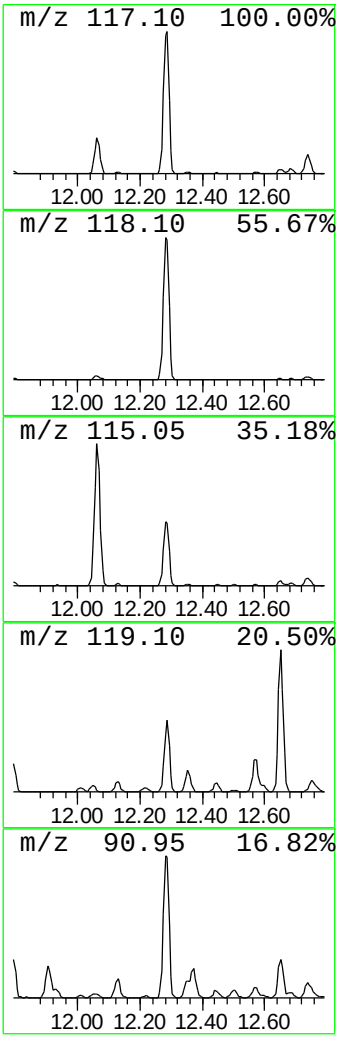
**********

Peak Number 9 Indane Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.29 | 24.34 ug/l | 806446 | 1,4-Dichlorobenzene-d4 | 12.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indane | 118 | C9H10 | 000496-11-7 | 76 |
| 2 | Benzene, cyclopropyl- | 118 | C9H10 | 000873-49-4 | 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 | 58 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX061920\
Data File : VX016909.D
Acq On : 20 Jun 2020 05:30
Operator : JC/SP
Sample : L3063-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 42 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** TW-12

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061820W.M
Quant Title : SW846 8260

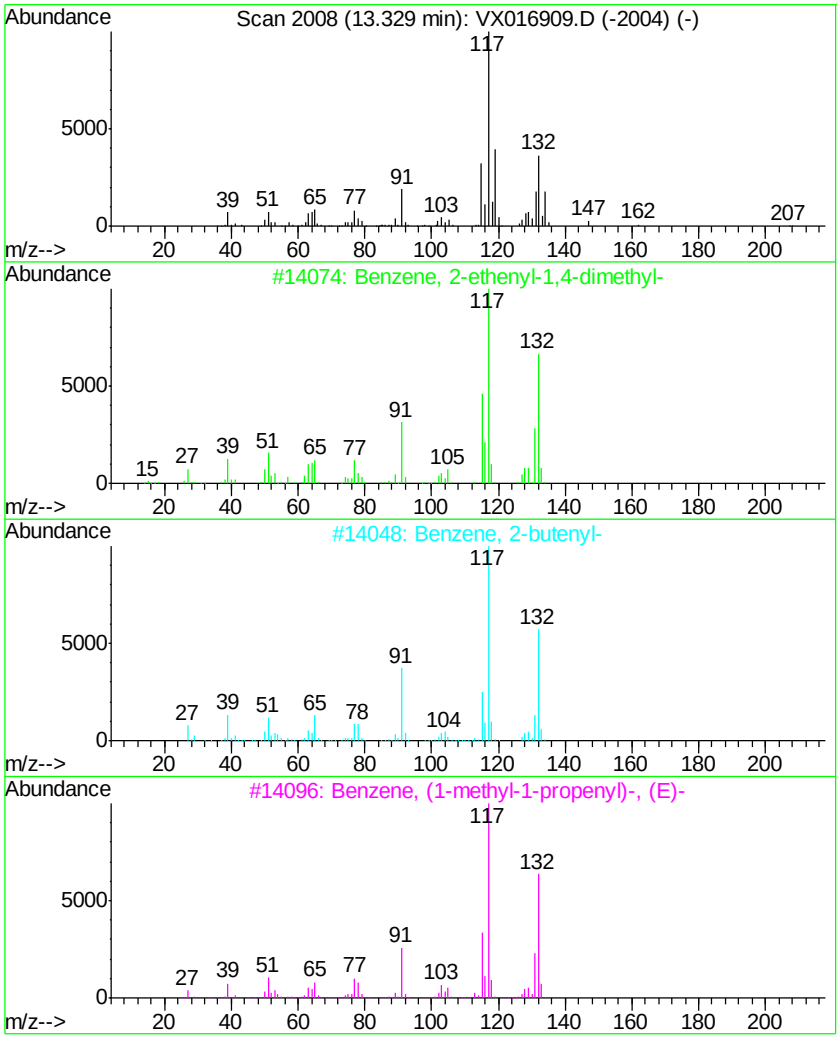
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

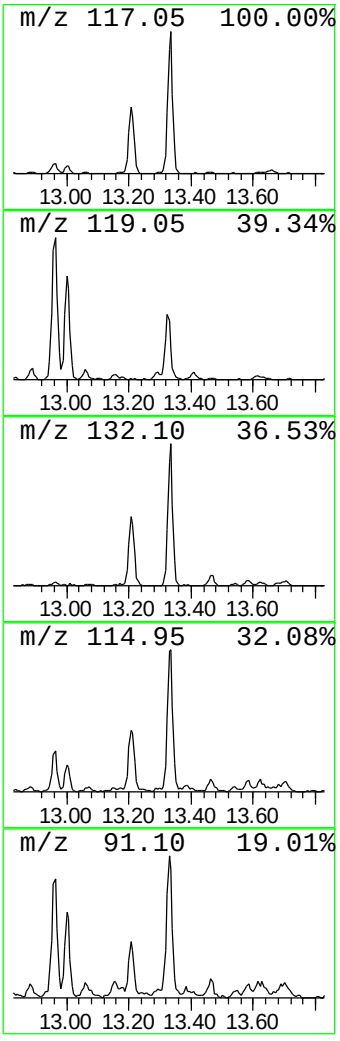
**********

Peak Number 10 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.33 | 5.80 ug/l | 192167 | 1,4-Dichlorobenzene-d4 | 12.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12 | 002039-89-6 | 90 |
| 2 | Benzene, 2-butenyl- | 132 | C10H12 | 001560-06-1 | 76 |
| 3 | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12 | 000768-00-3 | 76 |
| 4 | Benzene, 1-ethenyl-4-ethyl- | 132 | C10H12 | 003454-07-7 | 70 |
| 5 | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12 | 000824-22-6 | 70 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX061920\
Data File : VX016909.D
Acq On : 20 Jun 2020 05:30
Operator : JC/SP
Sample : L3063-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 42 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** TW-12

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061820W.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 |
| Propene | 1.16 | 9.1 | ug/l | 138117 | 1 | 5.63 | 755803 | 50.0 |
| 1-Propene, 2-methyl- | 1.38 | 8.3 | ug/l | 124950 | 1 | 5.63 | 755803 | 50.0 |
| Butane, 2-methyl- | 1.78 | 15.6 | ug/l | 236025 | 1 | 5.63 | 755803 | 50.0 |
| Butane, 2,3-dimet... | 2.82 | 7.4 | ug/l | 111964 | 1 | 5.63 | 755803 | 50.0 |
| Cyclopentane | 2.92 | 9.2 | ug/l | 138611 | 1 | 5.63 | 755803 | 50.0 |
| Cyclopentane, met... | 4.37 | 13.3 | ug/l | 200725 | 1 | 5.63 | 755803 | 50.0 |
| Carbonic acid, bi... | 6.32 | 5.5 | ug/l | 111967 | 2 | 6.83 | 1020290 | 50.0 |
| Pentane, 2,3,3-tr... | 8.16 | 6.9 | ug/l | 140230 | 2 | 6.83 | 1020290 | 50.0 |
| Indane | 12.29 | 24.3 | ug/l | 806446 | 4 | 12.06 | 1656780 | 50.0 |
| Benzene, 2-etheny... | 13.33 | 5.8 | ug/l | 192167 | 4 | 12.06 | 1656780 | 50.0 |