LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021119\
Data File : VX007467.D
Acq On : 11 Feb 2019 14:53
Operator : JC/SP
Sample : K1433-09
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** KY001MW022-190207

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\82X020119W.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 | 2.849 | 261 | 278 | 280 | rBV2 | 415414 | 984273 | 1.12% | 0.193% |
| 2 | 2.891 | 280 | 285 | 289 | rVV | 932349 | 2019620 | 2.30% | 0.397% |
| 3 | 2.934 | 289 | 292 | 308 | rVB2 | 536616 | 1198237 | 1.36% | 0.235% |
| 4 | 3.202 | 321 | 336 | 350 | rVB3 | 1234842 | 4807044 | 5.48% | 0.945% |
| 5 | 3.812 | 427 | 436 | 446 | rVB | 441818 | 1074647 | 1.22% | 0.211% |
| 6 | 4.196 | 486 | 499 | 508 | rVB | 341522 | 932576 | 1.06% | 0.183% |
| 7 | 4.397 | 523 | 532 | 544 | rVB | 1677777 | 4884323 | 5.56% | 0.960% |
| 8 | 5.500 | 698 | 713 | 718 | rVV | 349855 | 1063398 | 1.21% | 0.209% |
| 9 | 5.580 | 718 | 726 | 735 | rVV3 | 913848 | 3506113 | 3.99% | 0.689% |
| 10 | 5.665 | 735 | 740 | 744 | rVV | 585259 | 1607008 | 1.83% | 0.316% |
| 11 | 5.726 | 745 | 750 | 771 | rVB2 | 741065 | 2415811 | 2.75% | 0.475% |
| 12 | 5.927 | 771 | 783 | 797 | rBV2 | 503449 | 1562894 | 1.78% | 0.307% |
| 13 | 6.147 | 810 | 819 | 830 | rVV | 8276492 | 21428635 | 24.41% | 4.211% |
| 14 | 6.263 | 830 | 838 | 841 | rVV2 | 489918 | 1409793 | 1.61% | 0.277% |
| 15 | 6.348 | 844 | 852 | 862 | rVV | 1726345 | 5618212 | 6.40% | 1.104% |
| 16 | 6.458 | 862 | 870 | 882 | rVB3 | 434565 | 1275963 | 1.45% | 0.251% |
| 17 | 6.860 | 927 | 936 | 942 | rBV | 829418 | 2255723 | 2.57% | 0.443% |
| 18 | 6.939 | 943 | 949 | 962 | rVB3 | 788420 | 2386551 | 2.72% | 0.469% |
| 19 | 7.256 | 992 | 1001 | 1010 | rBV | 563904 | 1227045 | 1.40% | 0.241% |
| 20 | 7.457 | 1022 | 1034 | 1046 | rBV5 | 1582583 | 4354283 | 4.96% | 0.856% |
| 21 | 7.732 | 1074 | 1079 | 1091 | rVB | 483504 | 933779 | 1.06% | 0.184% |
| 22 | 8.055 | 1122 | 1132 | 1144 | rVB | 925774 | 2052596 | 2.34% | 0.403% |
| 23 | 8.177 | 1144 | 1152 | 1155 | rBV | 1281889 | 2718366 | 3.10% | 0.534% |
| 24 | 8.213 | 1155 | 1158 | 1162 | rVV | 1647613 | 2610581 | 2.97% | 0.513% |
| 25 | 8.573 | 1210 | 1217 | 1226 | rVB | 1161835 | 2196283 | 2.50% | 0.432% |
| 26 | 8.713 | 1236 | 1240 | 1247 | rVB | 1693499 | 2630489 | 3.00% | 0.517% |
| 27 | 9.219 | 1319 | 1323 | 1334 | rVB | 638357 | 1081939 | 1.23% | 0.213% |
| 28 | 10.116 | 1460 | 1470 | 1474 | rBV | 1670580 | 2424871 | 2.76% | 0.477% |
| 29 | 10.256 | 1487 | 1493 | 1499 | rBV2 | 50450315 | 70381215 | 80.17% | 13.832% |
| 30 | 10.365 | 1504 | 1511 | 1517 | rVB2 | 59731105 | 87784510 | 100.00% | 17.252% |
| 31 | 10.695 | 1560 | 1565 | 1572 | rVB | 2310763 | 3043542 | 3.47% | 0.598% |
| 32 | 11.018 | 1611 | 1618 | 1626 | rVB | 10312363 | 12676827 | 14.44% | 2.491% |
| 33 | 11.134 | 1633 | 1637 | 1642 | rVB | 1478562 | 1890240 | 2.15% | 0.371% |
| 34 | 11.359 | 1664 | 1674 | 1681 | rBV | 9227767 | 10869177 | 12.38% | 2.136% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021119\
Data File : VX007467.D
Acq On : 11 Feb 2019 14:53
Operator : JC/SP
Sample : K1433-09
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** KY001MW022-190207

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\82X020119W.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 11.457 | 1681 | 1690 | 1694 | rVV | 24244362 | 36395686 | 41.46% | 7.153% |
| 36 | 11.506 | 1694 | 1698 | 1704 | rVB | 15886503 | 18437370 | 21.00% | 3.624% |
| 37 | 11.670 | 1719 | 1725 | 1735 | rVB | 7496555 | 9560792 | 10.89% | 1.879% |
| 38 | 11.810 | 1743 | 1748 | 1753 | rVB | 53091932 | 65307331 | 74.40% | 12.835% |
| 39 | 12.079 | 1786 | 1792 | 1796 | rVB2 | 2098323 | 2781783 | 3.17% | 0.547% |
| 40 | 12.146 | 1797 | 1803 | 1807 | rBV | 14557589 | 18008581 | 20.51% | 3.539% |
| 41 | 12.298 | 1822 | 1828 | 1835 | rBV | 19466496 | 24362638 | 27.75% | 4.788% |
| 42 | 12.371 | 1835 | 1840 | 1847 | rVV2 | 4156115 | 5740697 | 6.54% | 1.128% |
| 43 | 12.469 | 1850 | 1856 | 1860 | rBV2 | 1259918 | 1707993 | 1.95% | 0.336% |
| 44 | 12.524 | 1860 | 1865 | 1870 | rVB2 | 1587876 | 2498067 | 2.85% | 0.491% |
| 45 | 12.585 | 1870 | 1875 | 1877 | rBV | 2590110 | 3133102 | 3.57% | 0.616% |
| 46 | 12.609 | 1877 | 1879 | 1884 | rVB | 2076679 | 2147311 | 2.45% | 0.422% |
| 47 | 12.670 | 1884 | 1889 | 1892 | rBV | 4280875 | 5331773 | 6.07% | 1.048% |
| 48 | 12.755 | 1898 | 1903 | 1911 | rBV2 | 2631182 | 3712061 | 4.23% | 0.730% |
| 49 | 12.902 | 1922 | 1927 | 1932 | rVB | 961402 | 1179181 | 1.34% | 0.232% |
| 50 | 12.975 | 1932 | 1939 | 1942 | rBV | 2587255 | 3082802 | 3.51% | 0.606% |
| 51 | 13.017 | 1942 | 1946 | 1952 | rVB | 3757202 | 4307038 | 4.91% | 0.846% |
| 52 | 13.225 | 1976 | 1980 | 1984 | rVB | 2504243 | 2843911 | 3.24% | 0.559% |
| 53 | 13.347 | 1996 | 2000 | 2005 | rVB2 | 5035294 | 6571696 | 7.49% | 1.292% |
| 54 | 13.395 | 2005 | 2008 | 2012 | rBV2 | 805783 | 982485 | 1.12% | 0.193% |
| 55 | 13.481 | 2018 | 2022 | 2028 | rVB | 1437941 | 1722503 | 1.96% | 0.339% |
| 56 | 13.639 | 2044 | 2048 | 2054 | rVB3 | 575722 | 1027892 | 1.17% | 0.202% |
| 57 | 13.834 | 2072 | 2080 | 2089 | rVB | 11583368 | 14014427 | 15.96% | 2.754% |
| 58 | 14.694 | 2217 | 2221 | 2231 | rVB | 2332867 | 3017171 | 3.44% | 0.593% |
| 59 | 14.840 | 2240 | 2245 | 2256 | rVB2 | 1205153 | 1643221 | 1.87% | 0.323% |

Sum of corrected areas: 508824076

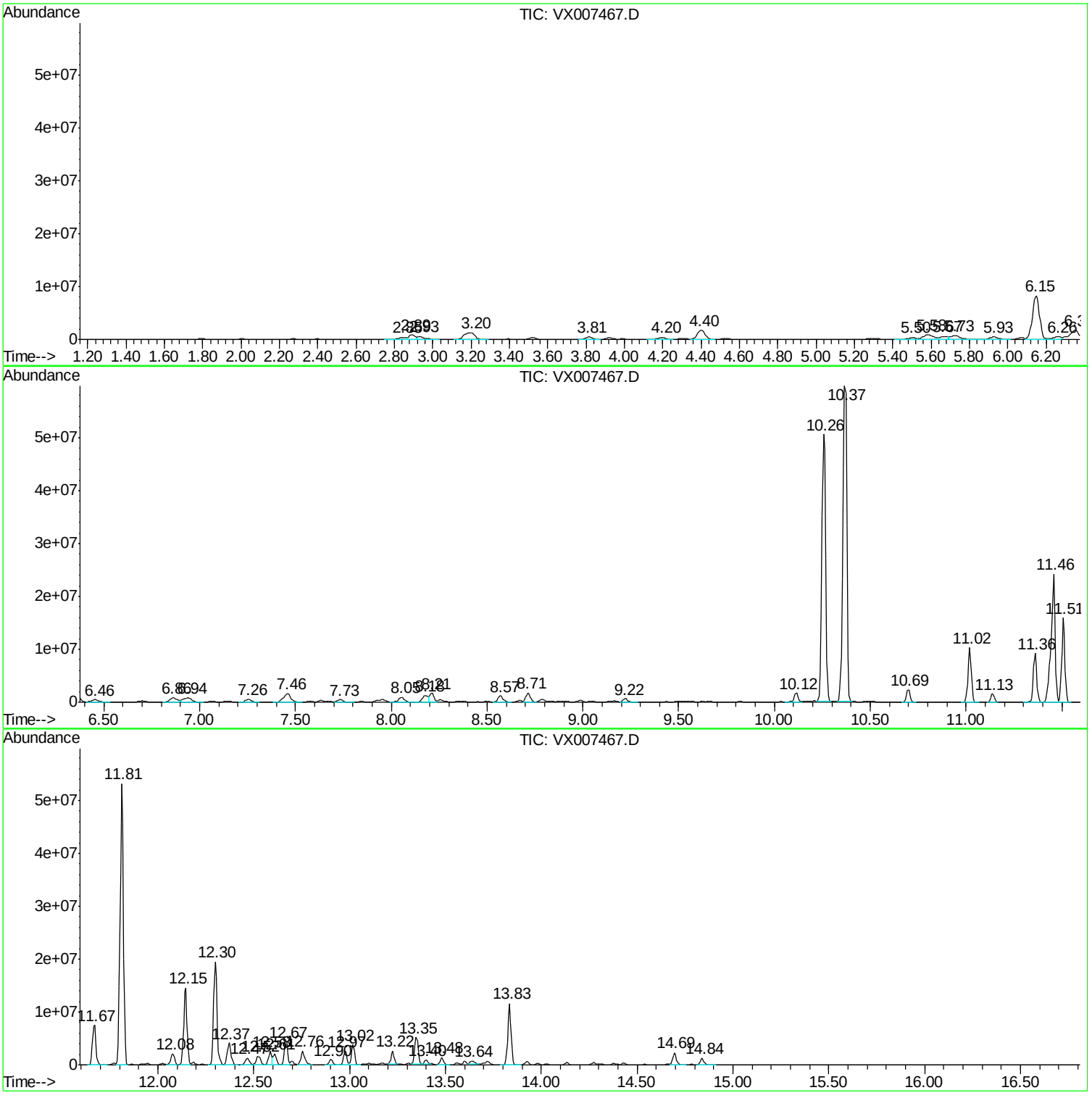
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX021119\
Data File : VX007467.D
Acq On : 11 Feb 2019 14:53
Operator : JC/SP
Sample : K1433-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** KY001MW022-190207

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.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\VX021119\
Data File : VX007467.D
Acq On : 11 Feb 2019 14:53
Operator : JC/SP
Sample : K1433-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** KY001MW022-190207

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
Quant Title : SW846 8260

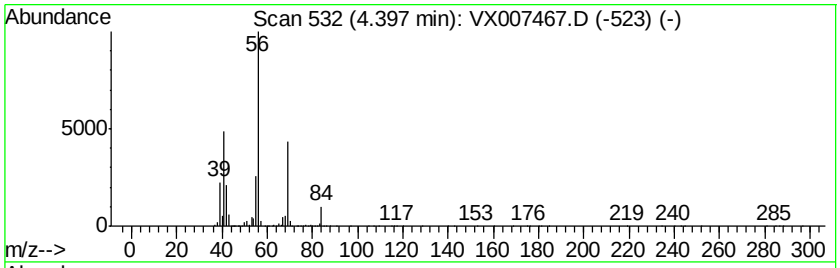
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

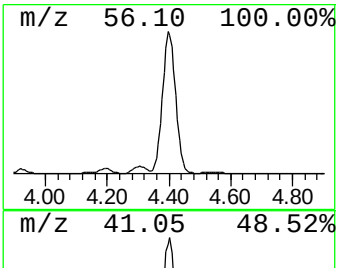
**********

Peak Number 1 Cyclopentane, methyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.40 | 151.97 ug/l | 4884320 | Pentafluorobenzene | 5.67 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, methyl- | 84 | C6H12 | 000096-37-7 | 91 |
| 2 | Cyclopropane, propyl- | 84 | C6H12 | 002415-72-7 | 78 |
| 3 | Cyclobutane, ethyl- | 84 | C6H12 | 004806-61-5 | 72 |
| 4 | 1H-Tetrazole, 5-methyl- | 84 | C2H4N4 | 004076-36-2 | 50 |
| 5 | 1-Pentene, 2-methyl- | 84 | C6H12 | 000763-29-1 | 50 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX021119\
Data File : VX007467.D
Acq On : 11 Feb 2019 14:53
Operator : JC/SP
Sample : K1433-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** KY001MW022-190207

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
Quant Title : SW846 8260

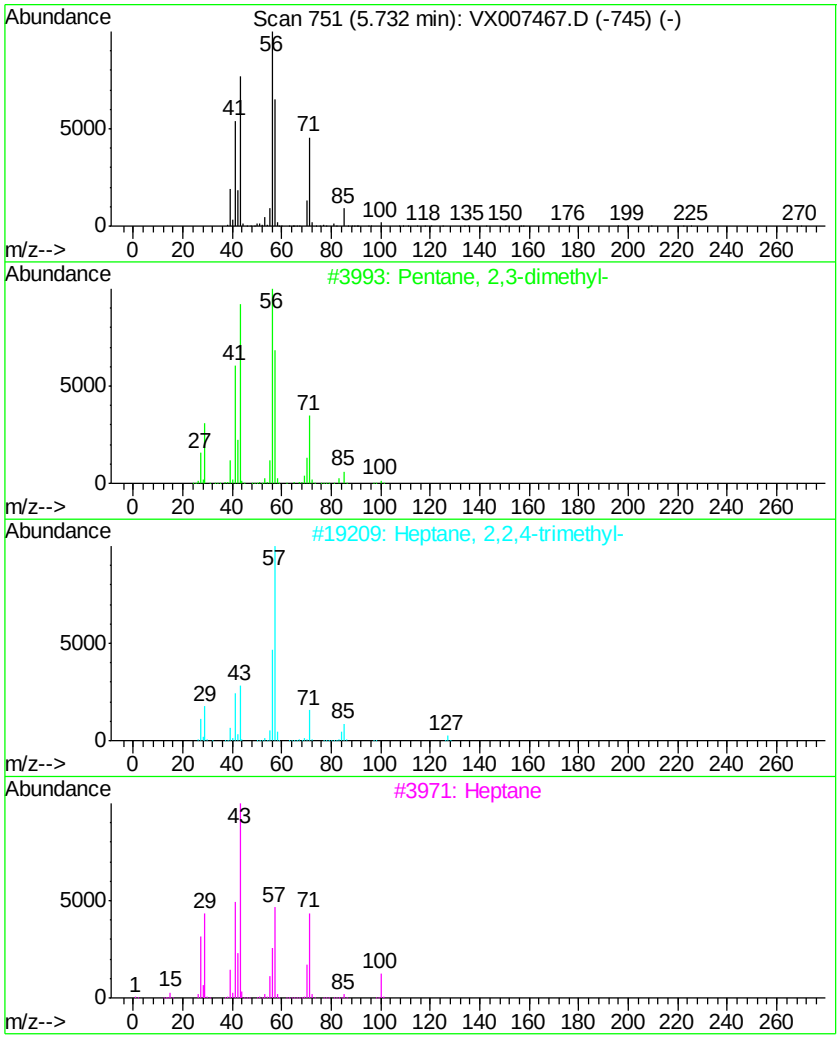
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

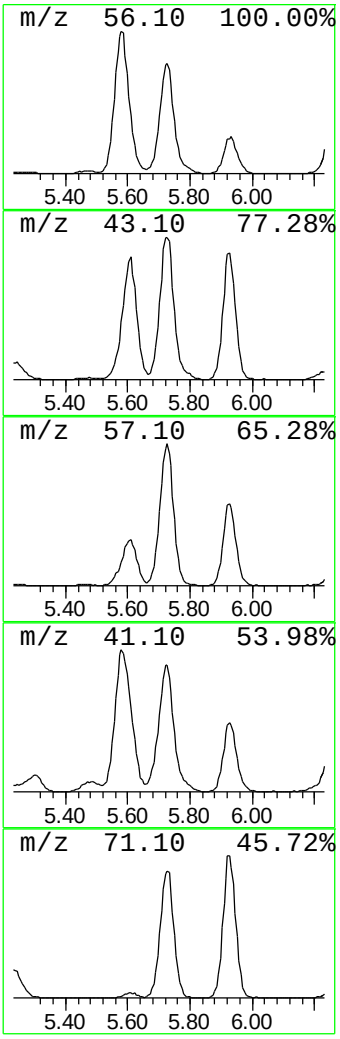
**********

Peak Number 2 Pentane, 2,3-dimethyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.73 | 75.16 ug/l | 2415810 | Pentafluorobenzene | 5.67 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane, 2,3-dimethyl- | 100 | C7H16 | 000565-59-3 | 91 |
| 2 | Heptane, 2,2,4-trimethyl- | 142 | C10H22 | 014720-74-2 | 39 |
| 3 | Heptane | 100 | C7H16 | 000142-82-5 | 38 |
| 4 | Hexane, 2,2,4-trimethyl- | 128 | C9H20 | 016747-26-5 | 38 |
| 5 | Aziridine, 2-methyl- | 57 | C3H7N | 000075-55-8 | 37 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX021119\
Data File : VX007467.D
Acq On : 11 Feb 2019 14:53
Operator : JC/SP
Sample : K1433-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** KY001MW022-190207

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
Quant Title : SW846 8260

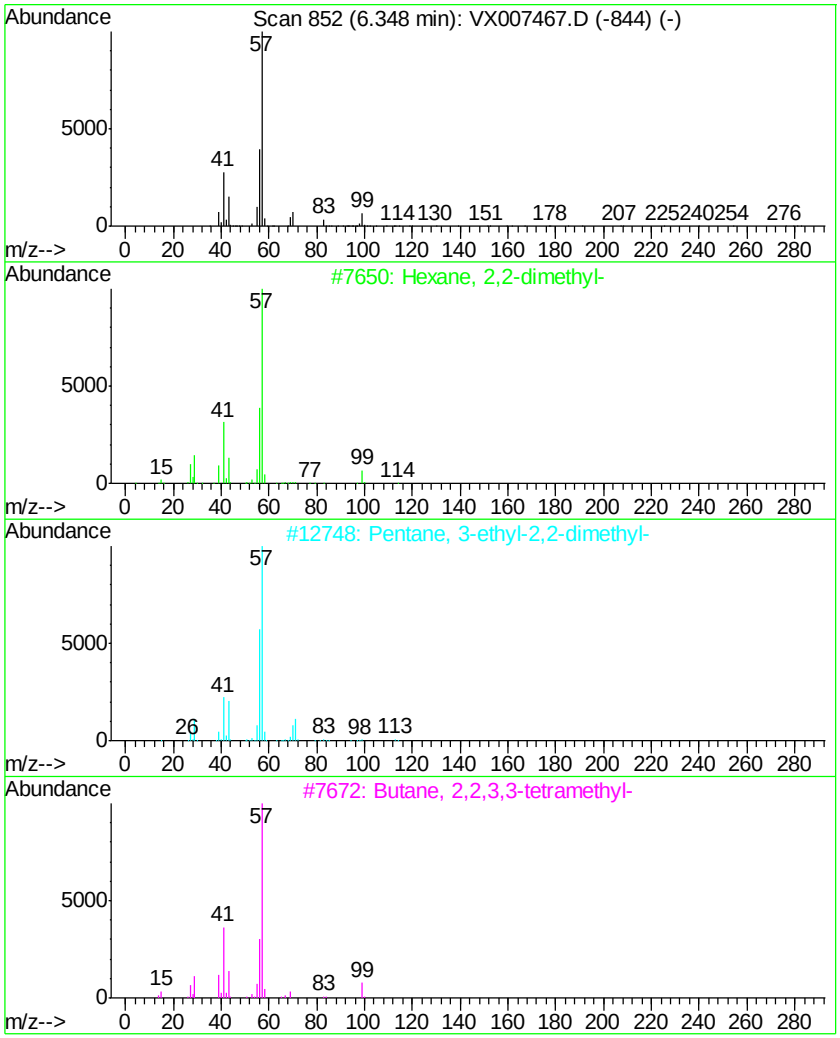
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

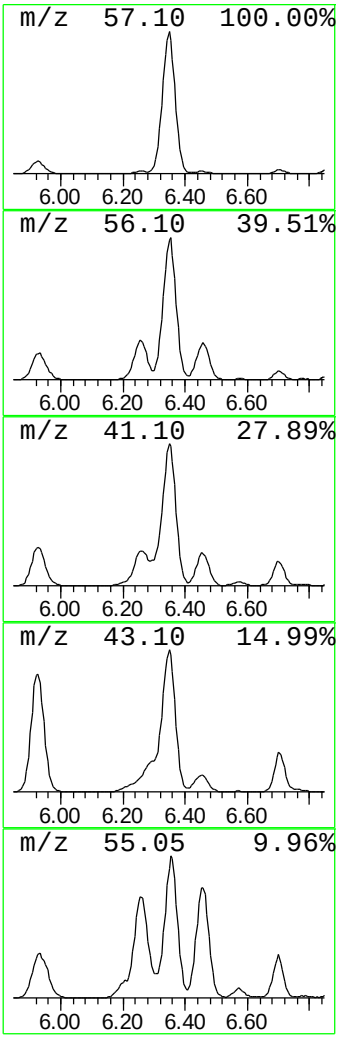
**********

Peak Number 3 Hexane, 2,2-dimethyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.35 | 124.53 ug/l | 5618210 | 1,4-Difluorobenzene | 6.86 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexane, 2,2-dimethyl- | 114 | C8H18 | 000590-73-8 | 64 |
| 2 | Pentane, 3-ethyl-2,2-dimethyl- | 128 | C9H20 | 016747-32-3 | 64 |
| 3 | Butane, 2,2,3,3-tetramethyl- | 114 | C8H18 | 000594-82-1 | 56 |
| 4 | Heptane, 2,2,3,5-tetramethyl- | 156 | C11H24 | 061868-42-6 | 56 |
| 5 | Hexane, 2,2,4-trimethyl- | 128 | C9H20 | 016747-26-5 | 45 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX021119\
Data File : VX007467.D
Acq On : 11 Feb 2019 14:53
Operator : JC/SP
Sample : K1433-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** KY001MW022-190207

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
Quant Title : SW846 8260

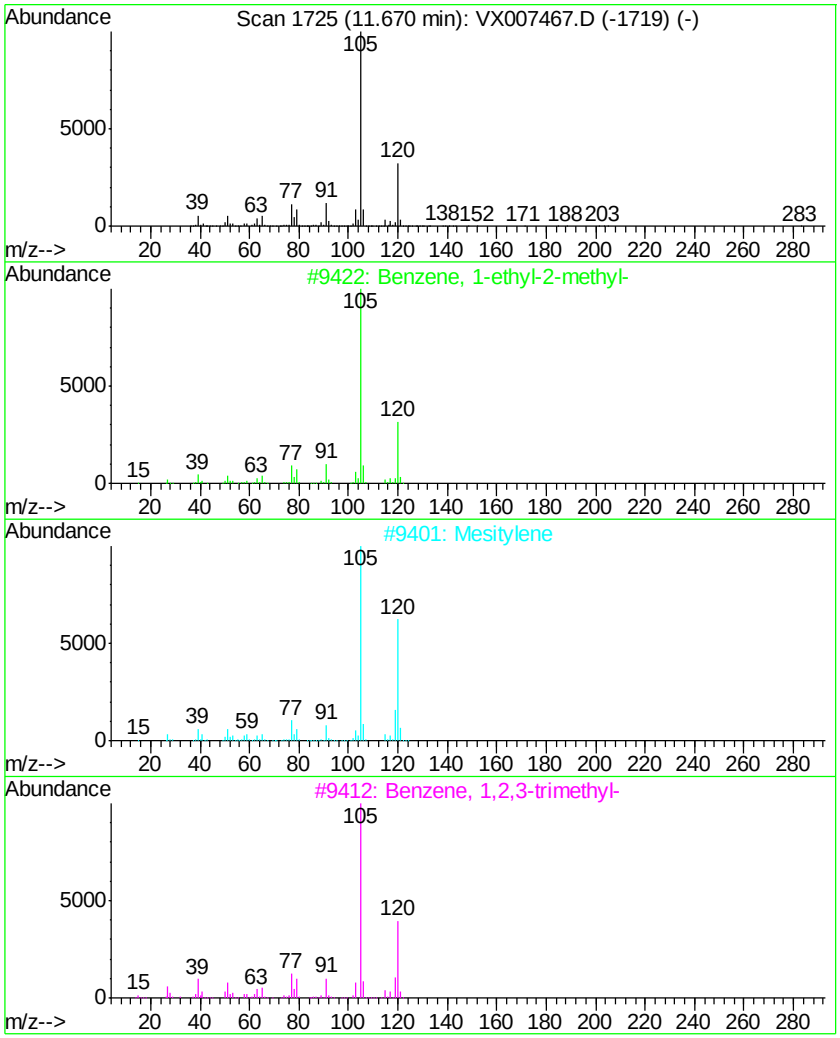
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

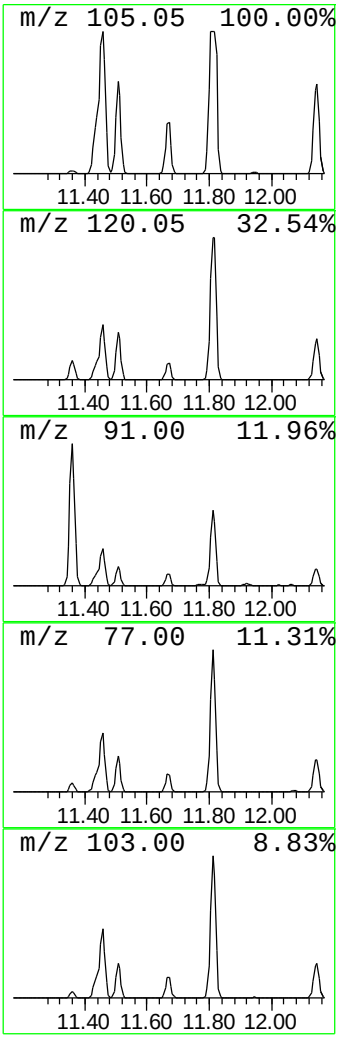
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.67 | 171.85 ug/l | 9560790 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-2-methyl- | 120 | C9H12 | 000611-14-3 | 93 |
| 2 | Mesitylene | 120 | C9H12 | 000108-67-8 | 90 |
| 3 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 90 |
| 4 | Benzene, 1-ethyl-4-methyl- | 120 | C9H12 | 000622-96-8 | 90 |
| 5 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 90 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX021119\
Data File : VX007467.D
Acq On : 11 Feb 2019 14:53
Operator : JC/SP
Sample : K1433-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** KY001MW022-190207

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
Quant Title : SW846 8260

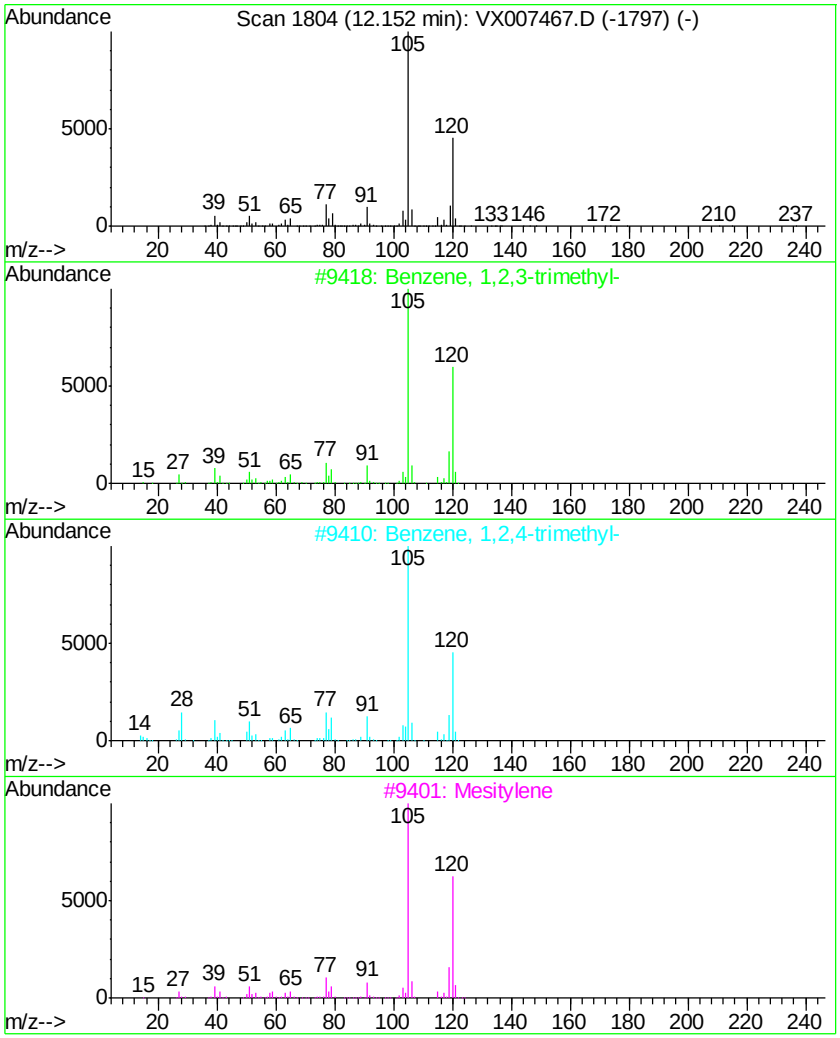
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

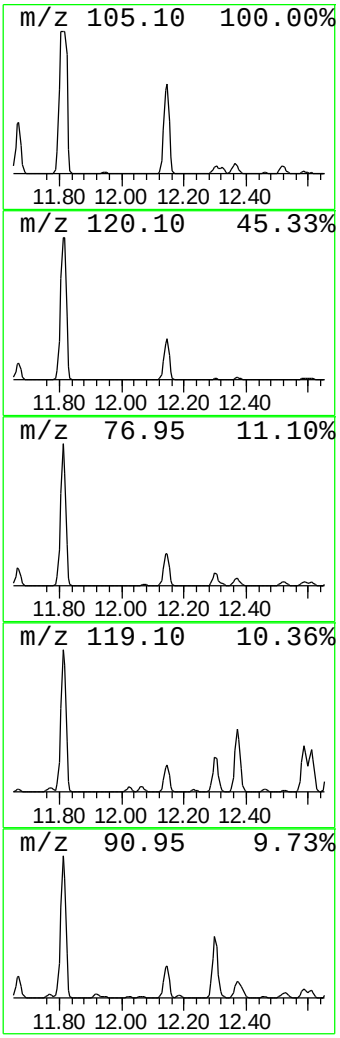
**********

Peak Number 5 Benzene, 1,2,3-trimethyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.15 | 323.69 ug/l | 18008600 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 95 |
| 2 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 91 |
| 3 | Mesitylene | 120 | C9H12 | 000108-67-8 | 91 |
| 4 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 91 |
| 5 | Benzene, 1-ethyl-2-methyl- | 120 | C9H12 | 000611-14-3 | 90 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX021119\
Data File : VX007467.D
Acq On : 11 Feb 2019 14:53
Operator : JC/SP
Sample : K1433-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** KY001MW022-190207

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
Quant Title : SW846 8260

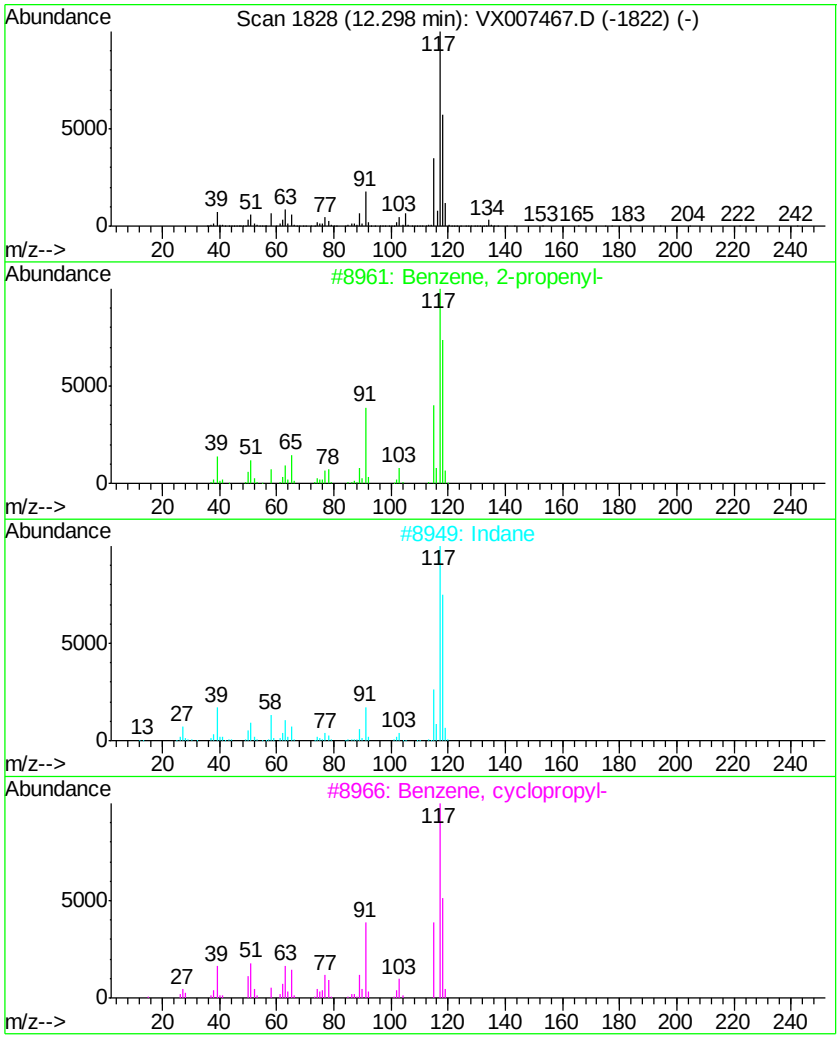
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

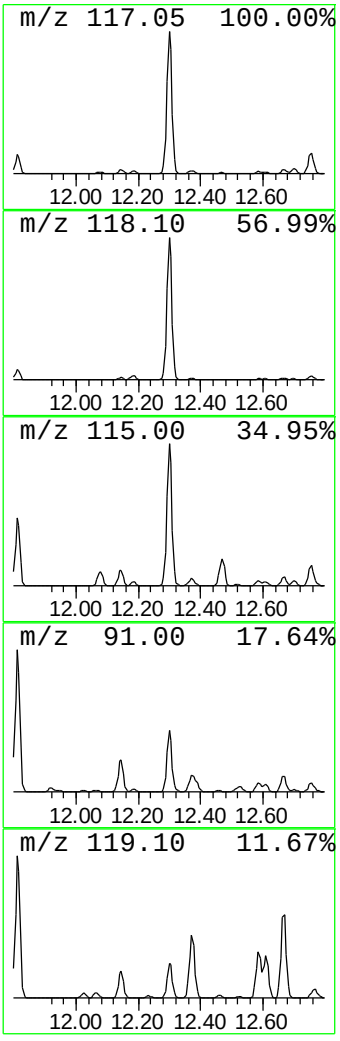
**********

Peak Number 6 Benzene, 2-propenyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.30 | 437.90 ug/l | 24362600 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 2-propenyl- | 118 | C9H10 | 000300-57-2 | 87 |
| 2 | Indane | 118 | C9H10 | 000496-11-7 | 81 |
| 3 | Benzene, cyclopropyl- | 118 | C9H10 | 000873-49-4 | 81 |
| 4 | Deltacyclene | 118 | C9H10 | 007785-10-6 | 64 |
| 5 | Benzene, 1-propenyl- | 118 | C9H10 | 000637-50-3 | 49 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX021119\
Data File : VX007467.D
Acq On : 11 Feb 2019 14:53
Operator : JC/SP
Sample : K1433-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** KY001MW022-190207

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
Quant Title : SW846 8260

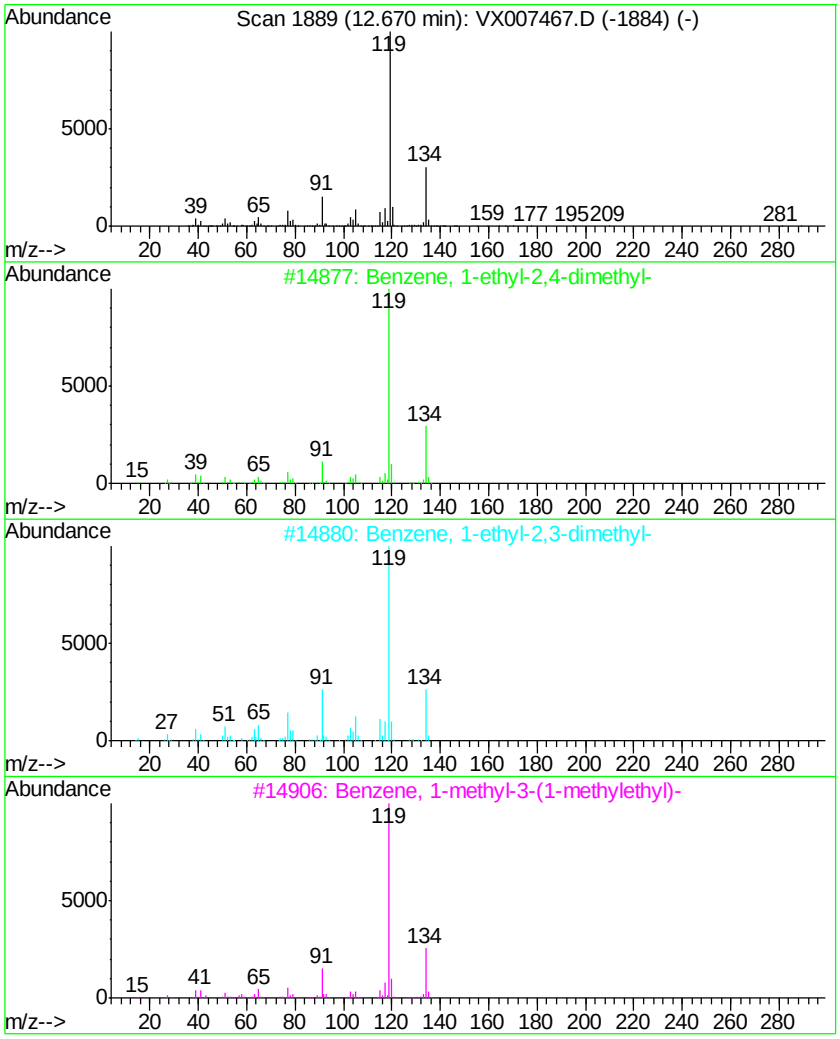
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

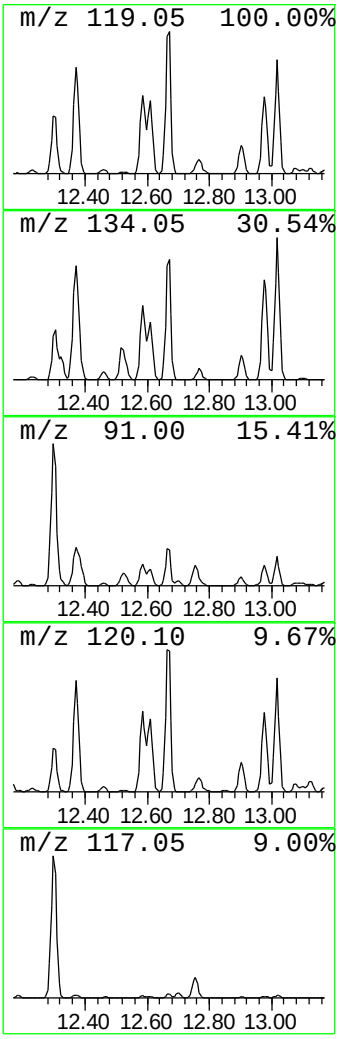
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.67 | 95.83 ug/l | 5331770 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-2,4-dimethyl- | 134 | C10H14 | 000874-41-9 | 97 |
| 2 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 96 |
| 3 | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14 | 000535-77-3 | 95 |
| 4 | Benzene, 2-ethyl-1,3-dimethyl- | 134 | C10H14 | 002870-04-4 | 95 |
| 5 | o-Cymene | 134 | C10H14 | 000527-84-4 | 95 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX021119\
Data File : VX007467.D
Acq On : 11 Feb 2019 14:53
Operator : JC/SP
Sample : K1433-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** KY001MW022-190207

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
Quant Title : SW846 8260

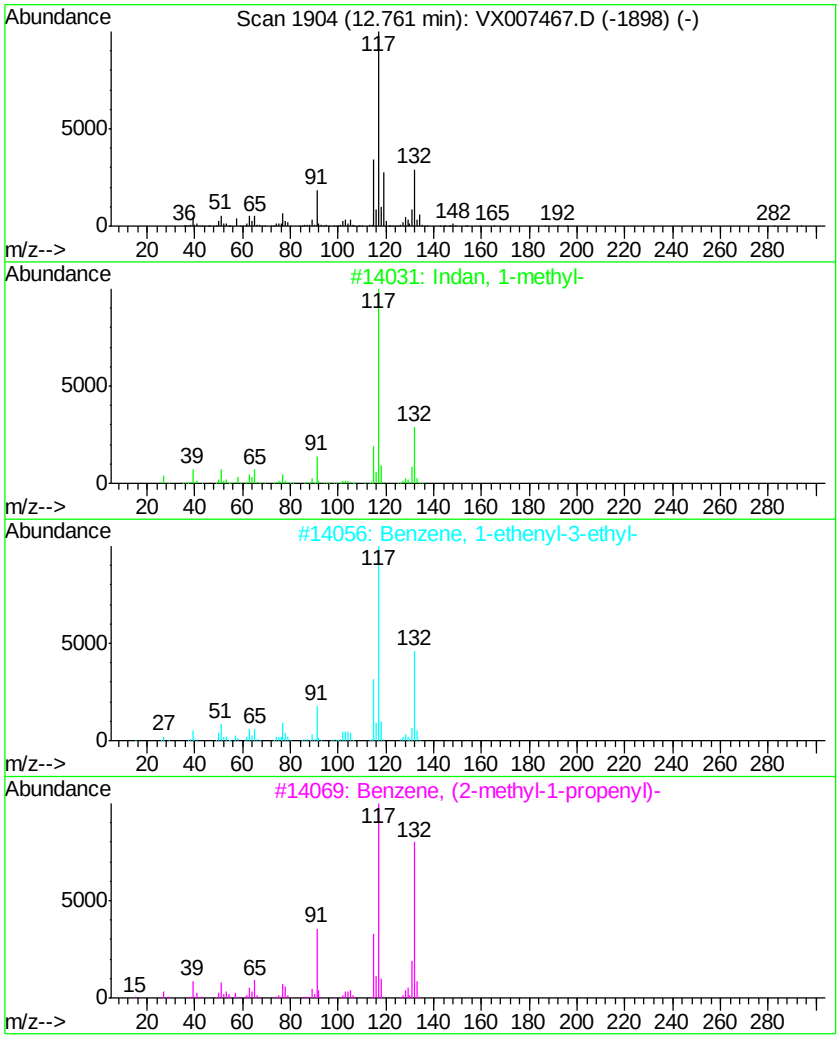
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

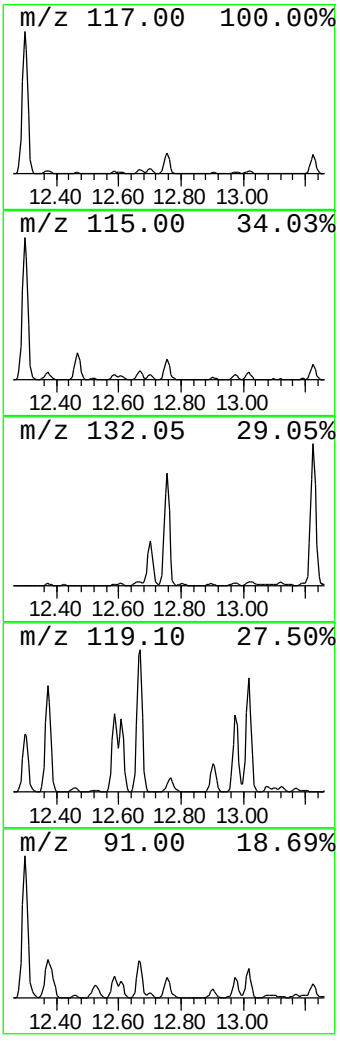
**********

Peak Number 8 Indan, 1-methyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.76 | 66.72 ug/l | 3712060 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indan, 1-methyl- | 132 | C10H12 | 000767-58-8 | 93 |
| 2 | Benzene, 1-ethenyl-3-ethyl- | 132 | C10H12 | 007525-62-4 | 90 |
| 3 | Benzene, (2-methyl-1-propenyl)- | 132 | C10H12 | 000768-49-0 | 87 |
| 4 | Benzene, (2-methylcyclopropyl)- | 132 | C10H12 | 1000327-39-0 | 87 |
| 5 | Benzene, 2-butenyl- | 132 | C10H12 | 001560-06-1 | 74 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX021119\
Data File : VX007467.D
Acq On : 11 Feb 2019 14:53
Operator : JC/SP
Sample : K1433-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** KY001MW022-190207

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
Quant Title : SW846 8260

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

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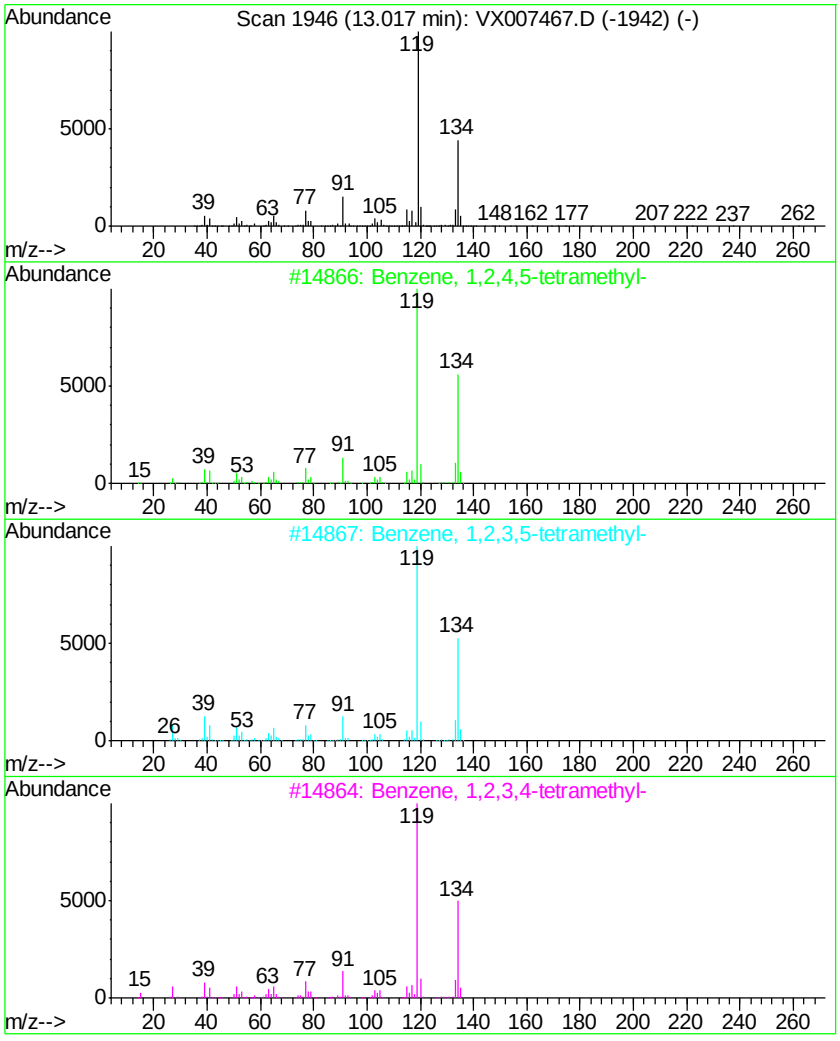
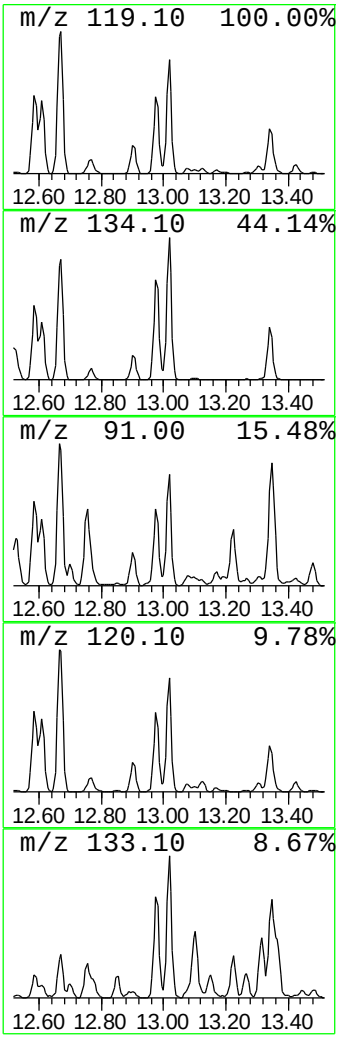
Peak Number 9 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.02 | 77.42 ug/l | 4307040 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 97 |
| 2 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 97 |
| 3 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 97 |
| 4 | o-Cymene | 134 | C10H14 | 000527-84-4 | 95 |
| 5 | Benzene, 2-ethyl-1,3-dimethyl- | 134 | C10H14 | 002870-04-4 | 94 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021119\
Data File : VX007467.D
Acq On : 11 Feb 2019 14:53
Operator : JC/SP
Sample : K1433-09
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** KY001MW022-190207

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
Quant Title : SW846 8260

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

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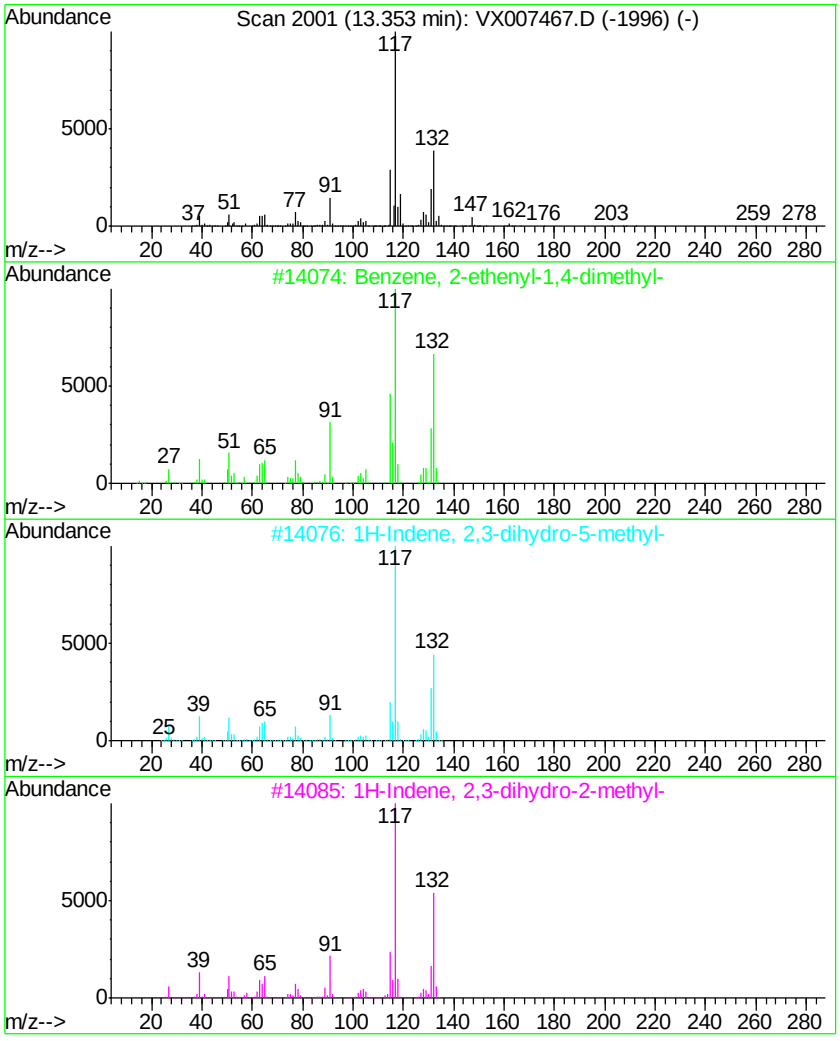
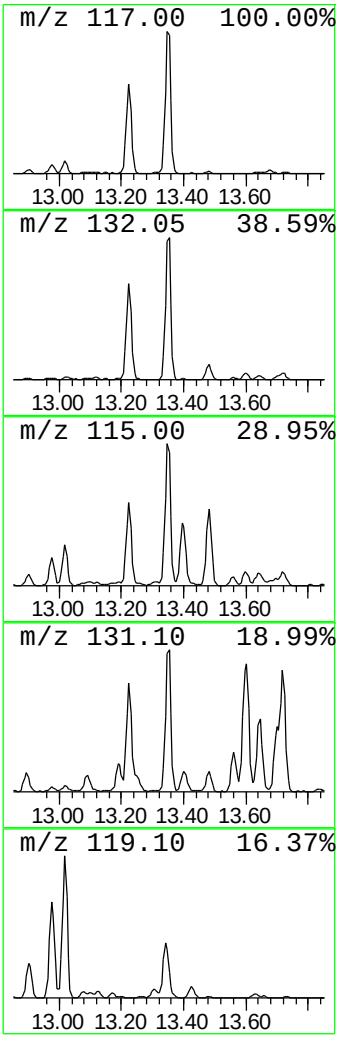
Peak Number 10 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.35 | 118.12 ug/l | 6571700 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12 | 002039-89-6 | 90 |
| 2 | 1H-Indene, 2,3-dihydro-5-methyl- | 132 | C10H12 | 000874-35-1 | 87 |
| 3 | 1H-Indene, 2,3-dihydro-2-methyl- | 132 | C10H12 | 000824-63-5 | 87 |
| 4 | Benzene, 2-butenyl- | 132 | C10H12 | 001560-06-1 | 87 |
| 5 | Benzene, 1-ethenyl-3-ethyl- | 132 | C10H12 | 007525-62-4 | 81 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX021119\
Data File : VX007467.D
Acq On : 11 Feb 2019 14:53
Operator : JC/SP
Sample : K1433-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** KY001MW022-190207

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.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 |
| Cyclopentane, met... | 4.40 | 152.0 | ug/l | 4884320 | 1 | 5.67 | 1607010 | 50.0 |
| Pentane, 2,3-dime... | 5.73 | 75.2 | ug/l | 2415810 | 1 | 5.67 | 1607010 | 50.0 |
| Hexane, 2,2-dimet... | 6.35 | 124.5 | ug/l | 5618210 | 2 | 6.86 | 2255720 | 50.0 |
| Benzene, 1-ethyl-... | 11.67 | 171.8 | ug/l | 9560790 | 4 | 12.08 | 2781780 | 50.0 |
| Benzene, 1,2,3-tr... | 12.15 | 323.7 | ug/l | 18008600 | 4 | 12.08 | 2781780 | 50.0 |
| Benzene, 2-propenyl- | 12.30 | 437.9 | ug/l | 24362600 | 4 | 12.08 | 2781780 | 50.0 |
| Benzene, 1-ethyl-... | 12.67 | 95.8 | ug/l | 5331770 | 4 | 12.08 | 2781780 | 50.0 |
| Indan, 1-methyl- | 12.76 | 66.7 | ug/l | 3712060 | 4 | 12.08 | 2781780 | 50.0 |
| Benzene, 1,2,4,5-... | 13.02 | 77.4 | ug/l | 4307040 | 4 | 12.08 | 2781780 | 50.0 |
| Benzene, 2-etheny... | 13.35 | 118.1 | ug/l | 6571700 | 4 | 12.08 | 2781780 | 50.0 |