LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110722\
Data File : VX032631.D
Acq On : 07 Nov 2022 16:48
Operator : JC/MD
Sample : N5484-25
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP110422

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\82X102622W.M
Title : SW846 8260

Signal : TIC: VX032631.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.745 | 103 | 108 | 122 | rVB | 220624 | 304873 | 22.18% | 1.730% |
| 2 | 1.953 | 137 | 142 | 153 | rVB | 165139 | 222351 | 16.18% | 1.262% |
| 3 | 2.337 | 198 | 205 | 219 | rVB | 31140 | 66209 | 4.82% | 0.376% |
| 4 | 2.715 | 258 | 267 | 271 | rBV4 | 7832 | 18735 | 1.36% | 0.106% |
| 5 | 2.782 | 271 | 278 | 281 | rVV | 116685 | 248286 | 18.06% | 1.409% |
| 6 | 2.825 | 281 | 285 | 295 | rVB | 275194 | 542599 | 39.48% | 3.079% |
| 7 | 3.099 | 321 | 330 | 344 | rBV | 214780 | 484635 | 35.26% | 2.750% |
| 8 | 3.331 | 359 | 368 | 378 | rVB2 | 17797 | 45555 | 3.31% | 0.259% |
| 9 | 3.446 | 378 | 387 | 401 | rBV | 118279 | 262251 | 19.08% | 1.488% |
| 10 | 3.593 | 401 | 411 | 415 | rBV2 | 7720 | 18065 | 1.31% | 0.103% |
| 11 | 3.666 | 415 | 423 | 430 | rVV2 | 21668 | 54227 | 3.95% | 0.308% |
| 12 | 3.837 | 442 | 451 | 458 | rBV3 | 8967 | 23767 | 1.73% | 0.135% |
| 13 | 3.946 | 458 | 469 | 479 | rBV4 | 10336 | 29493 | 2.15% | 0.167% |
| 14 | 4.105 | 488 | 495 | 502 | rVB5 | 6965 | 17873 | 1.30% | 0.101% |
| 15 | 4.215 | 502 | 513 | 518 | rVV3 | 17548 | 49723 | 3.62% | 0.282% |
| 16 | 4.306 | 518 | 528 | 540 | rVB | 175407 | 504138 | 36.68% | 2.861% |
| 17 | 5.117 | 648 | 661 | 662 | rBV6 | 6183 | 18147 | 1.32% | 0.103% |
| 18 | 5.385 | 692 | 705 | 713 | rBV | 73736 | 227828 | 16.58% | 1.293% |
| 19 | 5.477 | 713 | 720 | 726 | rBV4 | 45728 | 145848 | 10.61% | 0.828% |
| 20 | 5.556 | 726 | 733 | 739 | rVB | 78665 | 204779 | 14.90% | 1.162% |
| 21 | 5.830 | 766 | 778 | 790 | rBV3 | 44041 | 141096 | 10.27% | 0.801% |
| 22 | 5.958 | 790 | 799 | 814 | rBV | 76199 | 199516 | 14.52% | 1.132% |
| 23 | 6.159 | 814 | 832 | 839 | rBV3 | 38410 | 126561 | 9.21% | 0.718% |
| 24 | 6.257 | 839 | 848 | 857 | rVB3 | 68098 | 203074 | 14.78% | 1.152% |
| 25 | 6.354 | 857 | 864 | 874 | rVB2 | 39870 | 110746 | 8.06% | 0.628% |
| 26 | 6.458 | 874 | 881 | 894 | rVB6 | 6293 | 19719 | 1.43% | 0.112% |
| 27 | 6.610 | 898 | 906 | 913 | rBV2 | 15509 | 38728 | 2.82% | 0.220% |
| 28 | 6.763 | 923 | 931 | 939 | rBV | 177793 | 429608 | 31.26% | 2.438% |
| 29 | 7.068 | 974 | 981 | 991 | rVB3 | 8027 | 18419 | 1.34% | 0.105% |
| 30 | 7.184 | 991 | 1000 | 1007 | rBV3 | 13129 | 31914 | 2.32% | 0.181% |
| 31 | 7.379 | 1020 | 1032 | 1044 | rBV3 | 163737 | 424262 | 30.87% | 2.408% |
| 32 | 7.501 | 1044 | 1052 | 1057 | rBV3 | 8034 | 17058 | 1.24% | 0.097% |
| 33 | 7.562 | 1057 | 1062 | 1067 | rBV3 | 8380 | 16083 | 1.17% | 0.091% |
| 34 | 7.659 | 1072 | 1078 | 1087 | rVB | 31481 | 61419 | 4.47% | 0.349% |
| 35 | 7.775 | 1090 | 1097 | 1104 | rBV4 | 8335 | 17420 | 1.27% | 0.099% |
| 36 | 7.988 | 1123 | 1132 | 1142 | rVB | 35944 | 81094 | 5.90% | 0.460% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110722\
Data File : VX032631.D
Acq On : 07 Nov 2022 16:48
Operator : JC/MD
Sample : N5484-25
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP110422

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\82X102622W.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 8.110 | 1142 | 1152 | 1160 | rBV2 | 54054 | 118740 | 8.64% | 0.674% |
| 38 | 8.433 | 1201 | 1205 | 1209 | rBV3 | 11031 | 18077 | 1.32% | 0.103% |
| 39 | 8.506 | 1212 | 1217 | 1226 | rVB4 | 16251 | 32413 | 2.36% | 0.184% |
| 40 | 8.604 | 1226 | 1233 | 1235 | rBV4 | 17625 | 33312 | 2.42% | 0.189% |
| 41 | 8.647 | 1235 | 1240 | 1249 | rVB | 372413 | 602020 | 43.80% | 3.416% |
| 42 | 9.104 | 1306 | 1315 | 1320 | rBV3 | 11719 | 23432 | 1.70% | 0.133% |
| 43 | 9.165 | 1320 | 1325 | 1329 | rBV | 19389 | 28899 | 2.10% | 0.164% |
| 44 | 10.055 | 1465 | 1471 | 1476 | rVV | 382535 | 489502 | 35.62% | 2.778% |
| 45 | 10.140 | 1476 | 1485 | 1489 | rVB6 | 6922 | 20831 | 1.52% | 0.118% |
| 46 | 10.195 | 1489 | 1494 | 1499 | rBV | 14261 | 19596 | 1.43% | 0.111% |
| 47 | 10.299 | 1505 | 1511 | 1518 | rVB | 438560 | 609886 | 44.37% | 3.461% |
| 48 | 10.640 | 1562 | 1567 | 1577 | rVB | 370680 | 481936 | 35.06% | 2.735% |
| 49 | 10.963 | 1614 | 1620 | 1626 | rBV | 47565 | 62690 | 4.56% | 0.356% |
| 50 | 11.079 | 1634 | 1639 | 1646 | rBV | 347276 | 444704 | 32.36% | 2.524% |
| 51 | 11.305 | 1673 | 1676 | 1680 | rVB | 17506 | 19303 | 1.40% | 0.110% |
| 52 | 11.378 | 1684 | 1688 | 1689 | rBV | 229510 | 237688 | 17.29% | 1.349% |
| 53 | 11.396 | 1689 | 1691 | 1696 | rVV | 311071 | 396643 | 28.86% | 2.251% |
| 54 | 11.451 | 1696 | 1700 | 1711 | rVB | 477306 | 566231 | 41.20% | 3.213% |
| 55 | 11.616 | 1720 | 1727 | 1736 | rBV | 311036 | 397966 | 28.96% | 2.258% |
| 56 | 11.750 | 1744 | 1749 | 1755 | rBV | 1108787 | 1374424 | 100.00% | 7.799% |
| 57 | 11.866 | 1762 | 1768 | 1770 | rBV | 25236 | 35349 | 2.57% | 0.201% |
| 58 | 11.890 | 1770 | 1772 | 1778 | rVB | 34419 | 38249 | 2.78% | 0.217% |
| 59 | 11.969 | 1780 | 1785 | 1789 | rBV | 90657 | 110559 | 8.04% | 0.627% |
| 60 | 12.024 | 1789 | 1794 | 1799 | rVV | 399329 | 531677 | 38.68% | 3.017% |
| 61 | 12.085 | 1799 | 1804 | 1810 | rVB | 317329 | 386328 | 28.11% | 2.192% |
| 62 | 12.250 | 1825 | 1831 | 1832 | rBV | 134242 | 164907 | 12.00% | 0.936% |
| 63 | 12.268 | 1832 | 1834 | 1838 | rVV | 179381 | 195104 | 14.20% | 1.107% |
| 64 | 12.317 | 1838 | 1842 | 1852 | rVB2 | 463706 | 671314 | 48.84% | 3.810% |
| 65 | 12.402 | 1852 | 1856 | 1861 | rBV2 | 31295 | 40571 | 2.95% | 0.230% |
| 66 | 12.463 | 1861 | 1866 | 1872 | rVB | 145773 | 173191 | 12.60% | 0.983% |
| 67 | 12.530 | 1872 | 1877 | 1879 | rBV | 247708 | 304745 | 22.17% | 1.729% |
| 68 | 12.555 | 1879 | 1881 | 1886 | rVB | 254157 | 270197 | 19.66% | 1.533% |
| 69 | 12.615 | 1886 | 1891 | 1895 | rBV | 387442 | 477510 | 34.74% | 2.710% |
| 70 | 12.701 | 1900 | 1905 | 1913 | rBV3 | 134277 | 235914 | 17.16% | 1.339% |
| 71 | 12.798 | 1917 | 1921 | 1924 | rVB2 | 14204 | 18161 | 1.32% | 0.103% |
| 72 | 12.847 | 1924 | 1929 | 1934 | rVB | 90096 | 111800 | 8.13% | 0.634% |
| 73 | 12.920 | 1934 | 1941 | 1945 | rBV | 242340 | 311176 | 22.64% | 1.766% |
| 74 | 12.963 | 1945 | 1948 | 1954 | rVB | 326081 | 370501 | 26.96% | 2.102% |
| 75 | 13.048 | 1954 | 1962 | 1964 | rBV3 | 43932 | 91926 | 6.69% | 0.522% |
| 76 | 13.073 | 1964 | 1966 | 1968 | rVB | 20339 | 17758 | 1.29% | 0.101% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110722\
Data File : VX032631.D
Acq On : 07 Nov 2022 16:48
Operator : JC/MD
Sample : N5484-25
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP110422

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\82X102622W.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 13.164 | 1978 | 1981 | 1985 | rVB2 | 33890 | 45529 | 3.31% | 0.258% |
| 78 | 13.213 | 1985 | 1989 | 1992 | rVB3 | 25477 | 29932 | 2.18% | 0.170% |
| 79 | 13.256 | 1992 | 1996 | 1998 | rBV2 | 40165 | 55957 | 4.07% | 0.318% |
| 80 | 13.286 | 1998 | 2001 | 2008 | rVV2 | 113058 | 177252 | 12.90% | 1.006% |
| 81 | 13.371 | 2012 | 2015 | 2020 | rVB | 33539 | 39828 | 2.90% | 0.226% |
| 82 | 13.426 | 2020 | 2024 | 2031 | rVB2 | 16753 | 24917 | 1.81% | 0.141% |
| 83 | 13.506 | 2031 | 2037 | 2040 | rBV3 | 30028 | 45901 | 3.34% | 0.260% |
| 84 | 13.542 | 2040 | 2043 | 2046 | rVV | 66381 | 88310 | 6.43% | 0.501% |
| 85 | 13.579 | 2046 | 2049 | 2056 | rVV3 | 86112 | 157782 | 11.48% | 0.895% |
| 86 | 13.640 | 2056 | 2059 | 2060 | rVV | 32452 | 36744 | 2.67% | 0.209% |
| 87 | 13.664 | 2060 | 2063 | 2069 | rVB2 | 68089 | 114573 | 8.34% | 0.650% |
| 88 | 13.774 | 2075 | 2081 | 2090 | rVB | 111306 | 149040 | 10.84% | 0.846% |
| 89 | 13.859 | 2090 | 2095 | 2099 | rVB5 | 10300 | 16744 | 1.22% | 0.095% |
| 90 | 13.926 | 2099 | 2106 | 2110 | rBV2 | 35226 | 53664 | 3.90% | 0.305% |
| 91 | 13.969 | 2110 | 2113 | 2117 | rVB | 18305 | 21896 | 1.59% | 0.124% |
| 92 | 14.079 | 2126 | 2131 | 2136 | rBV | 42637 | 56112 | 4.08% | 0.318% |
| 93 | 14.213 | 2148 | 2153 | 2163 | rBV | 50236 | 87730 | 6.38% | 0.498% |
| 94 | 14.323 | 2167 | 2171 | 2176 | rVV | 26823 | 34177 | 2.49% | 0.194% |
| 95 | 14.371 | 2176 | 2179 | 2183 | rVB | 22890 | 27452 | 2.00% | 0.156% |
| 96 | 14.511 | 2198 | 2202 | 2211 | rVB | 31647 | 47348 | 3.44% | 0.269% |
| 97 | 14.640 | 2211 | 2223 | 2233 | rVB | 157002 | 218054 | 15.87% | 1.237% |
| 98 | 14.780 | 2240 | 2246 | 2251 | rBV | 69760 | 88234 | 6.42% | 0.501% |
| 99 | 15.475 | 2355 | 2360 | 2371 | rVB2 | 13490 | 22646 | 1.65% | 0.129% |
| 100 | 15.615 | 2378 | 2383 | 2386 | rBV2 | 14756 | 20934 | 1.52% | 0.119% |

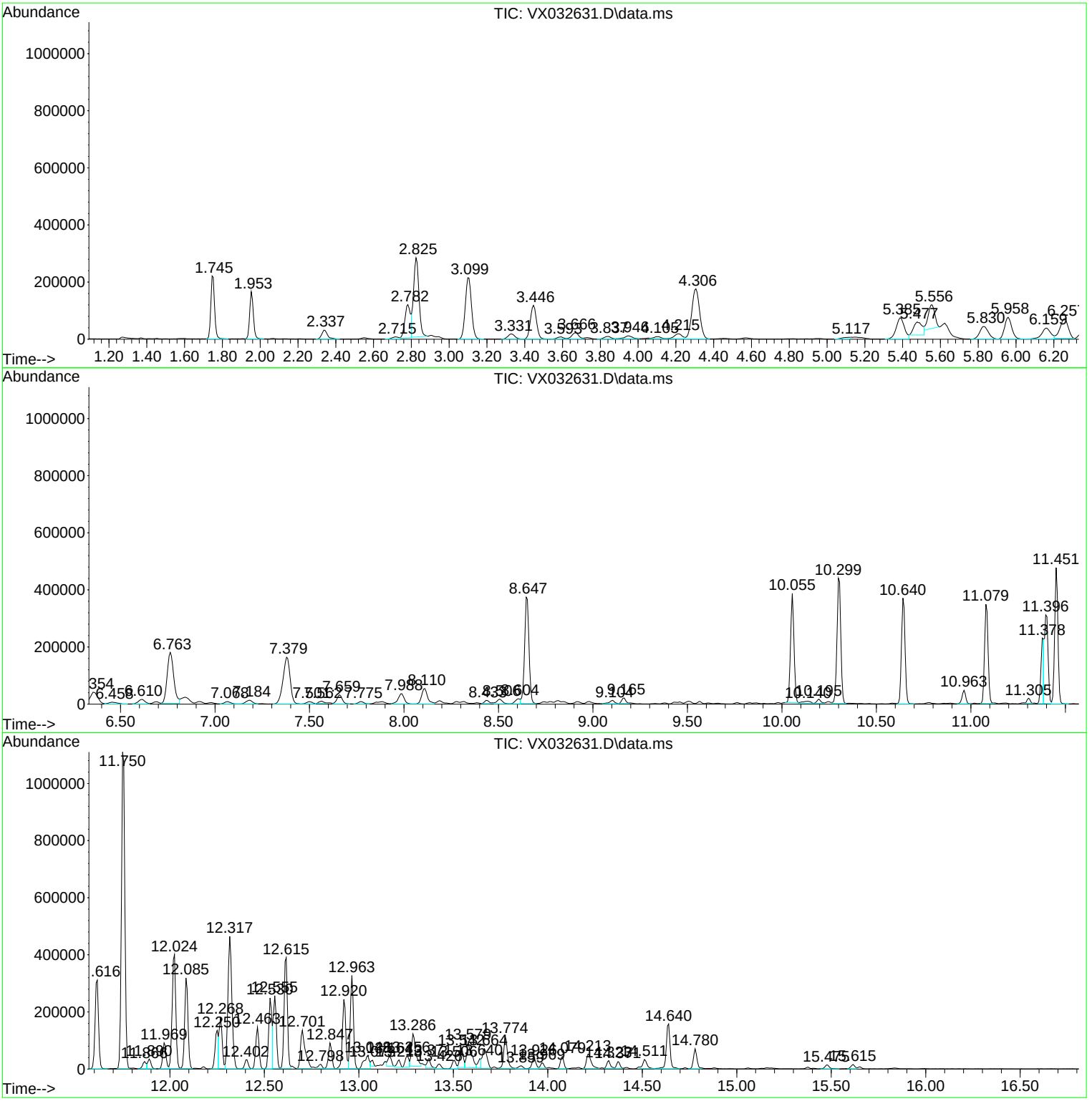
Sum of corrected areas: 17622085

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110722\
Data File : VX032631.D
Acq On : 07 Nov 2022 16:48
Operator : JC/MD
Sample : N5484-25
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP110422

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110722\
Data File : VX032631.D
Acq On : 07 Nov 2022 16:48
Operator : JC/MD
Sample : N5484-25
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP110422

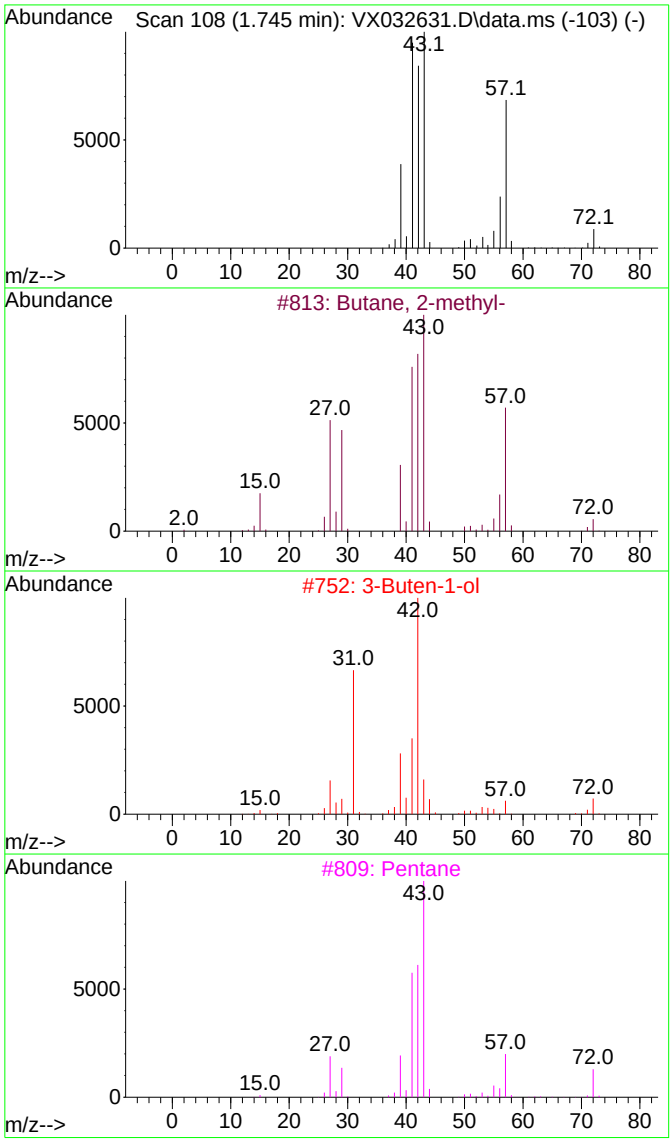
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
Quant Title : SW846 8260

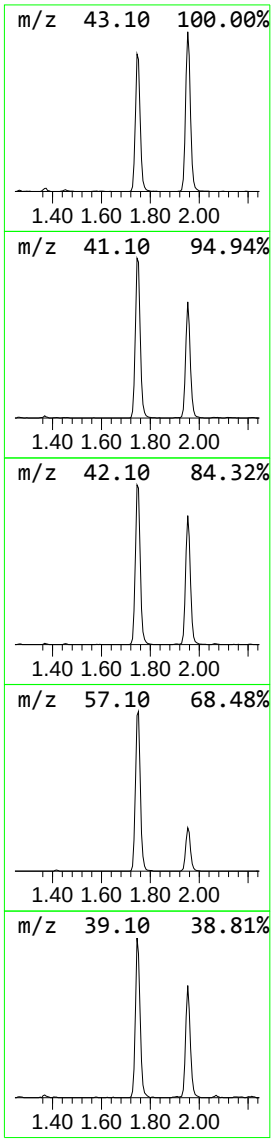
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 Butane, 2-methyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.745 | 74.44 ug/l | 304873 | Pentafluorobenzene | 5.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methyl- | 72 | C5H12 | 000078-78-4 | 64 |
| 2 | 3-Buten-1-ol | 72 | C4H8O | 000627-27-0 | 38 |
| 3 | Pentane | 72 | C5H12 | 000109-66-0 | 38 |
| 4 | 1-Butene | 56 | C4H8 | 000106-98-9 | 16 |
| 5 | Butane, 1-chloro-2-methyl- | 106 | C5H11Cl | 000616-13-7 | 10 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110722\
Data File : VX032631.D
Acq On : 07 Nov 2022 16:48
Operator : JC/MD
Sample : N5484-25
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP110422

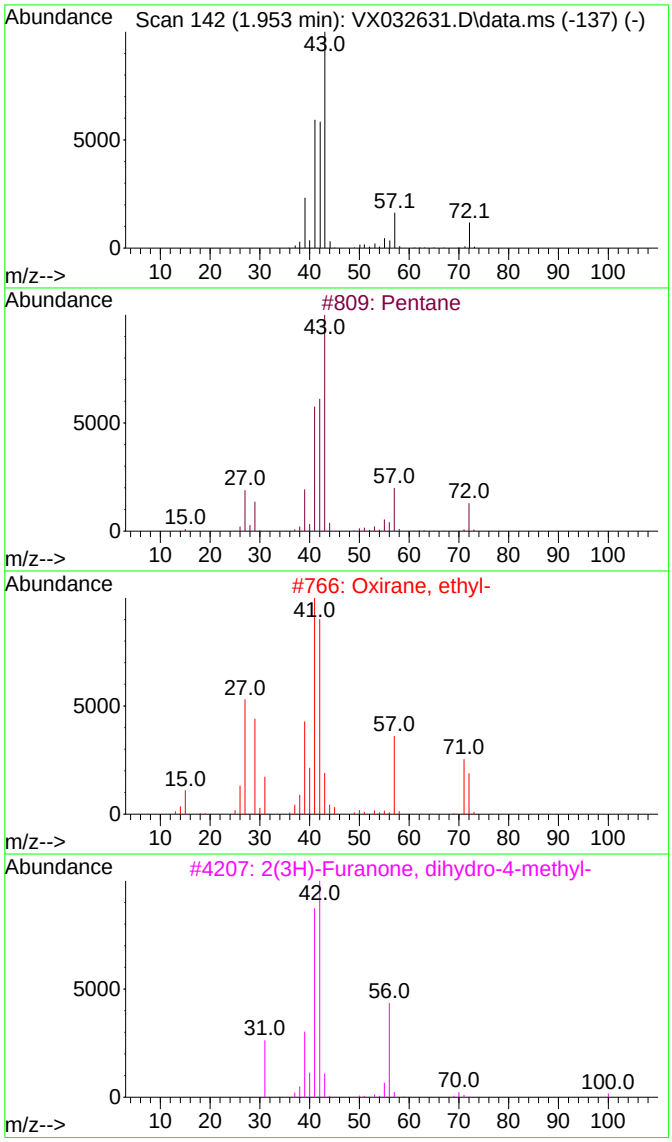
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
Quant Title : SW846 8260

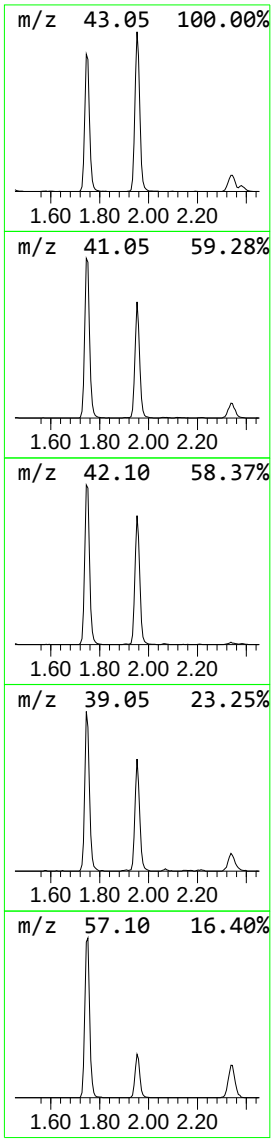
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 Pentane Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.953 | 54.29 ug/l | 222351 | Pentafluorobenzene | 5.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane | 72 | C5H12 | 000109-66-0 | 91 |
| 2 | Oxirane, ethyl- | 72 | C4H8O | 000106-88-7 | 50 |
| 3 | 2(3H)-Furanone, dihydro-4-methyl- | 100 | C5H8O2 | 001679-49-8 | 38 |
| 4 | Butane, 2-methyl- | 72 | C5H12 | 000078-78-4 | 36 |
| 5 | Diaziridine,3,3-dimethyl- | 72 | C3H8N2 | 004901-76-2 | 25 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110722\
Data File : VX032631.D
Acq On : 07 Nov 2022 16:48
Operator : JC/MD
Sample : N5484-25
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP110422

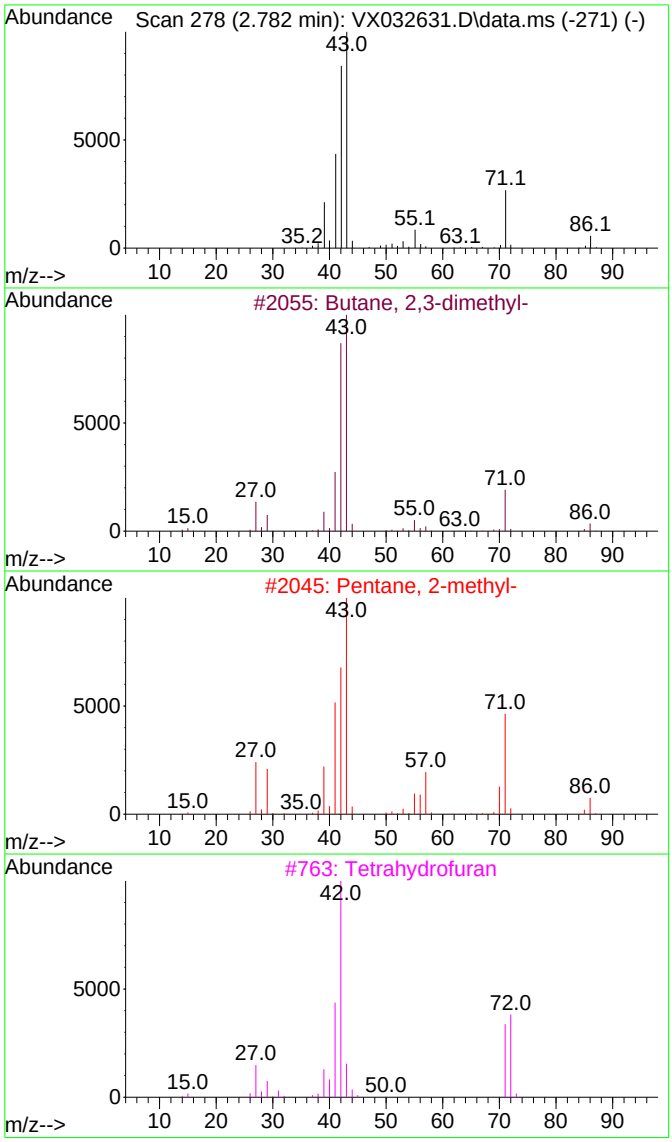
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
Quant Title : SW846 8260

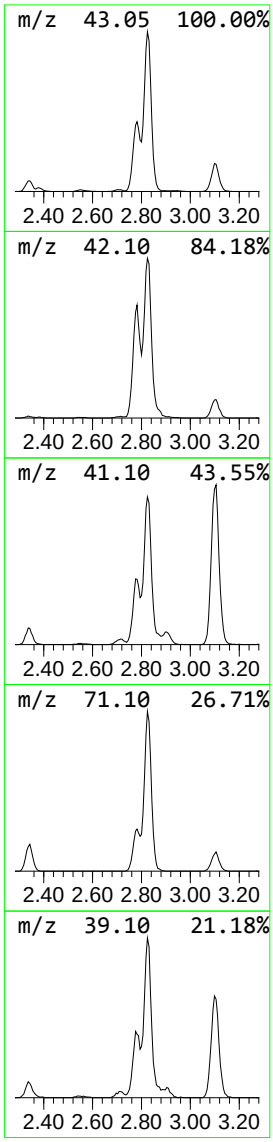
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 Butane, 2,3-dimethyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.782 | 60.62 ug/l | 248286 | Pentafluorobenzene | 5.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2,3-dimethyl- | 86 | C6H14 | 000079-29-8 | 86 |
| 2 | Pentane, 2-methyl- | 86 | C6H14 | 000107-83-5 | 78 |
| 3 | Tetrahydrofuran | 72 | C4H8O | 000109-99-9 | 38 |
| 4 | Pentane | 72 | C5H12 | 000109-66-0 | 23 |
| 5 | Propanoyl chloride, 2-methyl- | 106 | C4H7ClO | 000079-30-1 | 12 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110722\
Data File : VX032631.D
Acq On : 07 Nov 2022 16:48
Operator : JC/MD
Sample : N5484-25
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP110422

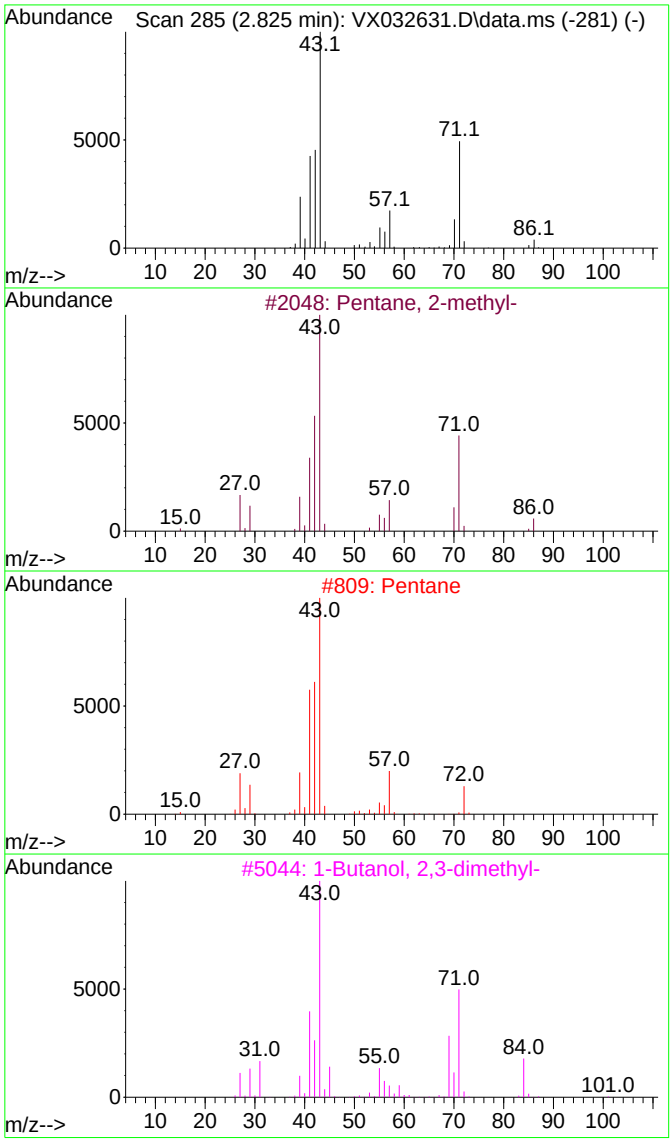
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
Quant Title : SW846 8260

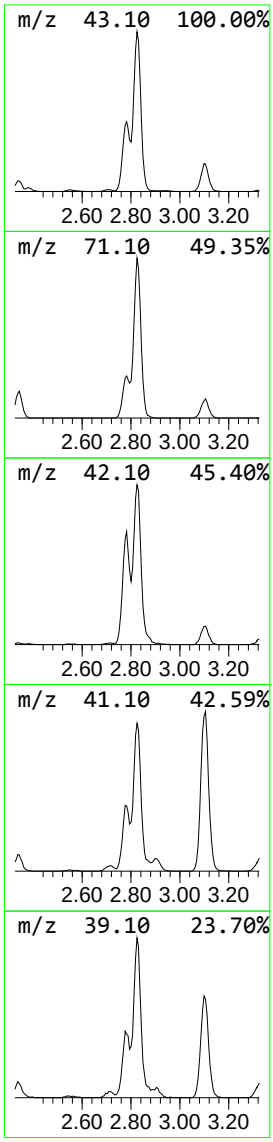
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 Pentane, 2-methyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.825 | 132.48 ug/l | 542599 | Pentafluorobenzene | 5.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane, 2-methyl- | 86 | C6H14 | 000107-83-5 | 91 |
| 2 | Pentane | 72 | C5H12 | 000109-66-0 | 49 |
| 3 | 1-Butanol, 2,3-dimethyl- | 102 | C6H14O | 019550-30-2 | 42 |
| 4 | Butane, 2,3-dimethyl- | 86 | C6H14 | 000079-29-8 | 38 |
| 5 | Hexane, 2,3-dimethyl- | 114 | C8H18 | 000584-94-1 | 38 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110722\
Data File : VX032631.D
Acq On : 07 Nov 2022 16:48
Operator : JC/MD
Sample : N5484-25
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP110422

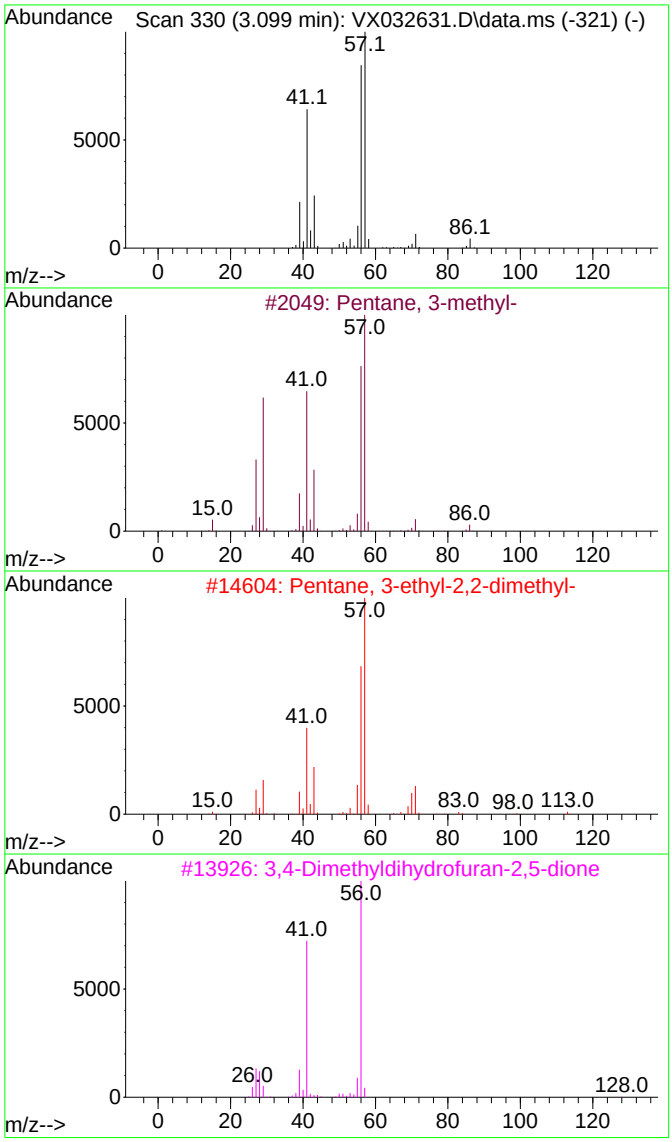
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
Quant Title : SW846 8260

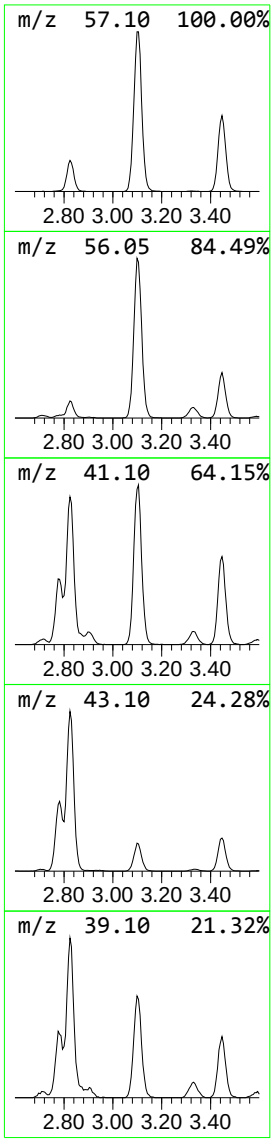
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 Pentane, 3-methyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.099 | 118.33 ug/l | 484635 | Pentafluorobenzene | 5.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane, 3-methyl- | 86 | C6H14 | 000096-14-0 | 90 |
| 2 | Pentane, 3-ethyl-2,2-dimethyl- | 128 | C9H20 | 016747-32-3 | 64 |
| 3 | 3,4-Dimethyldihydrofuran-2,5-dione | 128 | C6H8O3 | 007475-92-5 | 53 |
| 4 | Hexane, 2,2,3-trimethyl- | 128 | C9H20 | 016747-25-4 | 43 |
| 5 | 1-Butanol, 2-methyl- | 88 | C5H12O | 000137-32-6 | 40 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110722\
Data File : VX032631.D
Acq On : 07 Nov 2022 16:48
Operator : JC/MD
Sample : N5484-25
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP110422

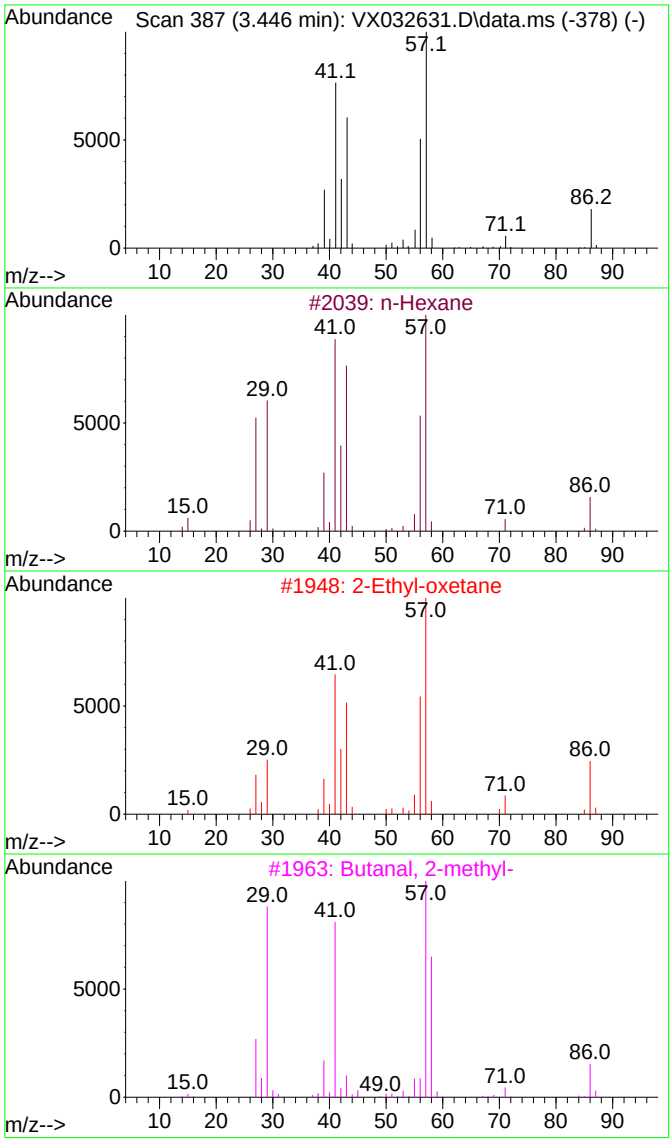
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
Quant Title : SW846 8260

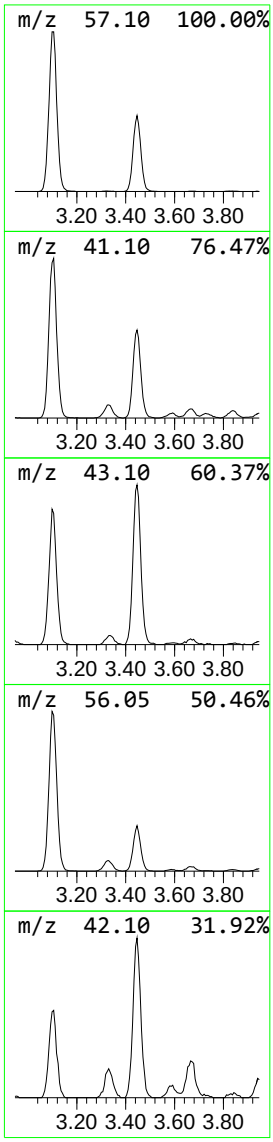
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 n-Hexane Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.446 | 64.03 ug/l | 262251 | Pentafluorobenzene | 5.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexane | 86 | C6H14 | 000110-54-3 | 91 |
| 2 | 2-Ethyl-oxetane | 86 | C5H10O | 1010386-40-2 | 64 |
| 3 | Butanal, 2-methyl- | 86 | C5H10O | 000096-17-3 | 43 |
| 4 | Propanal, 2,2-dimethyl- | 86 | C5H10O | 000630-19-3 | 43 |
| 5 | Pentane, 2,2,3,4-tetramethyl- | 128 | C9H20 | 001186-53-4 | 38 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110722\
Data File : VX032631.D
Acq On : 07 Nov 2022 16:48
Operator : JC/MD
Sample : N5484-25
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP110422

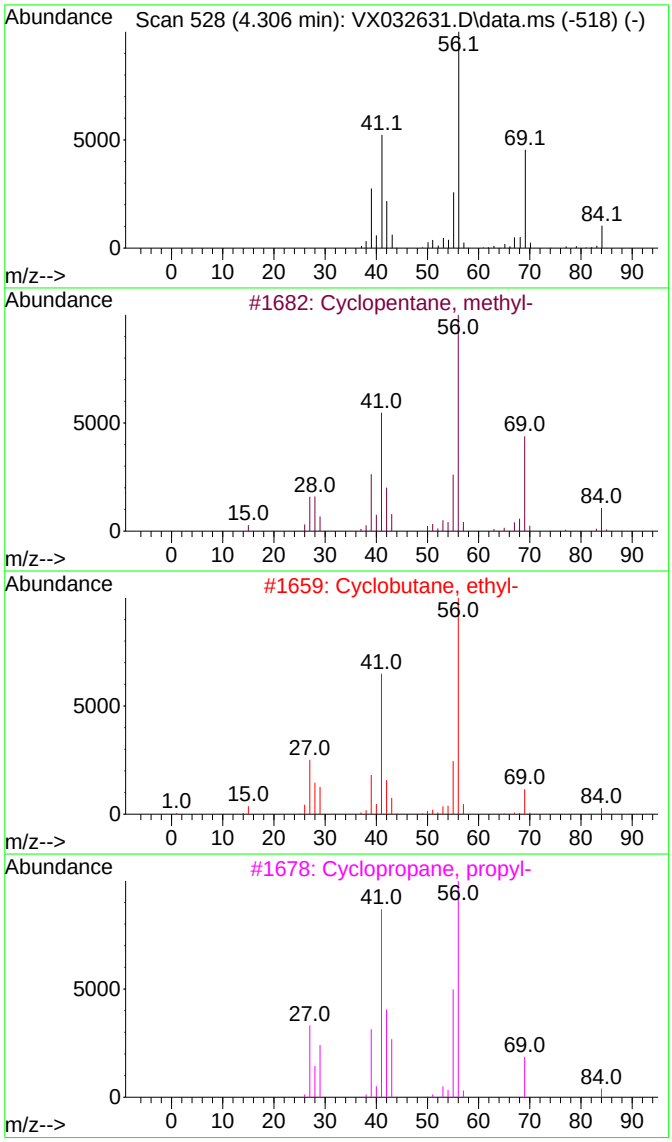
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
Quant Title : SW846 8260

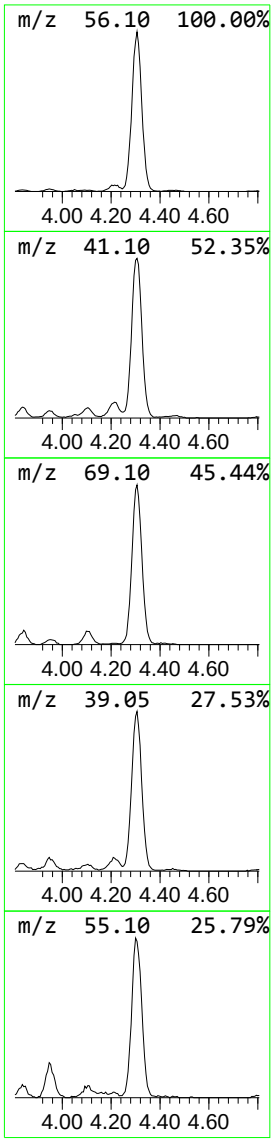
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 Cyclopentane, methyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.306 | 123.09 ug/l | 504138 | Pentafluorobenzene | 5.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, methyl- | 84 | C6H12 | 000096-37-7 | 90 |
| 2 | Cyclobutane, ethyl- | 84 | C6H12 | 004806-61-5 | 72 |
| 3 | Cyclopropane, propyl- | 84 | C6H12 | 002415-72-7 | 64 |
| 4 | 1H-Tetrazole, 5-methyl- | 84 | C2H4N4 | 004076-36-2 | 50 |
| 5 | 1-Pentene, 2-methyl- | 84 | C6H12 | 000763-29-1 | 45 |



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Data File : VX032631.D
Acq On : 07 Nov 2022 16:48
Operator : JC/MD
Sample : N5484-25
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP110422

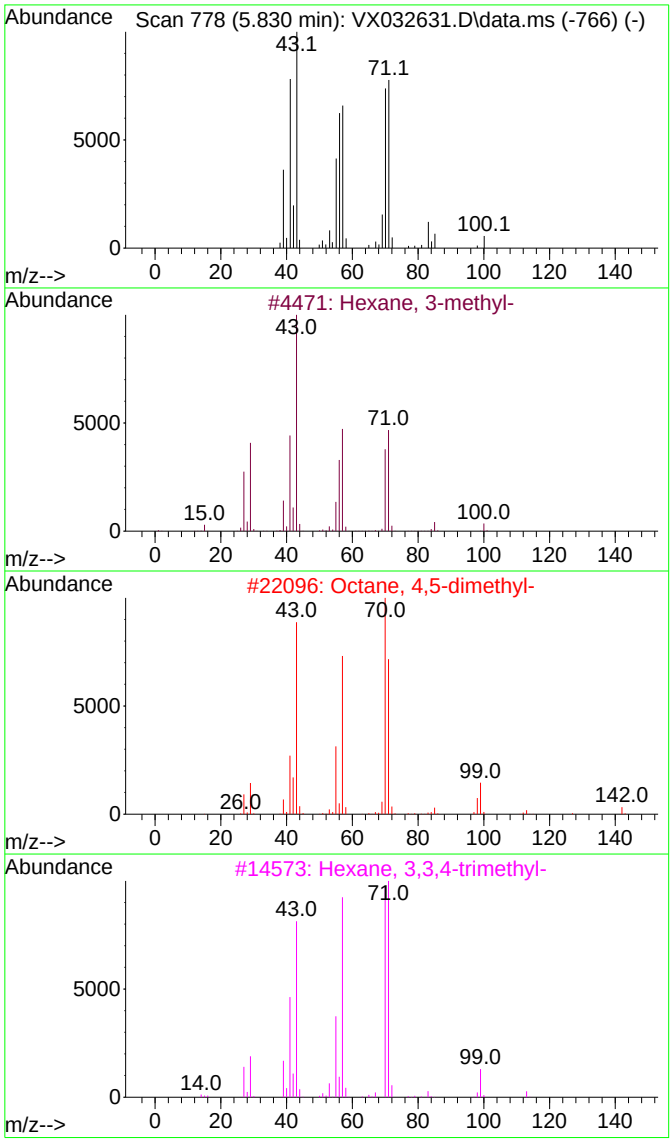
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
Quant Title : SW846 8260

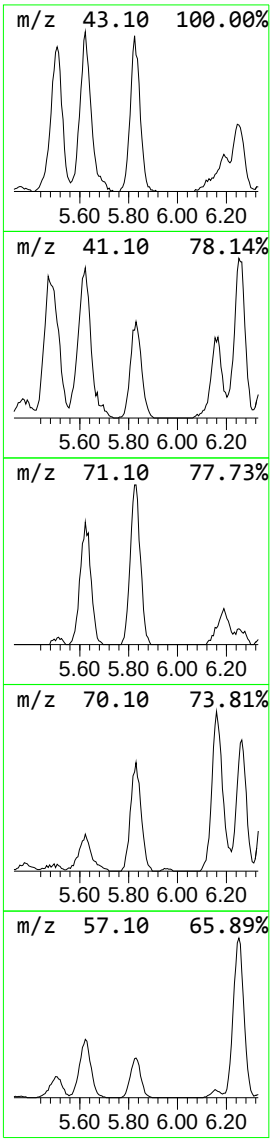
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 8 Hexane, 3-methyl- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.830 | 34.45 ug/l | 141096 | Pentafluorobenzene | 5.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexane, 3-methyl- | 100 | C7H16 | 000589-34-4 | 90 |
| 2 | Octane, 4,5-dimethyl- | 142 | C10H22 | 015869-96-2 | 59 |
| 3 | Hexane, 3,3,4-trimethyl- | 128 | C9H20 | 016747-31-2 | 53 |
| 4 | Oxalic acid, isobutyl nonyl ester | 272 | C15H28O4 | 1010309-37-4 | 50 |
| 5 | Undecane, 3-methylene- | 168 | C12H24 | 071138-64-2 | 43 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110722\
Data File : VX032631.D
Acq On : 07 Nov 2022 16:48
Operator : JC/MD
Sample : N5484-25
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP110422

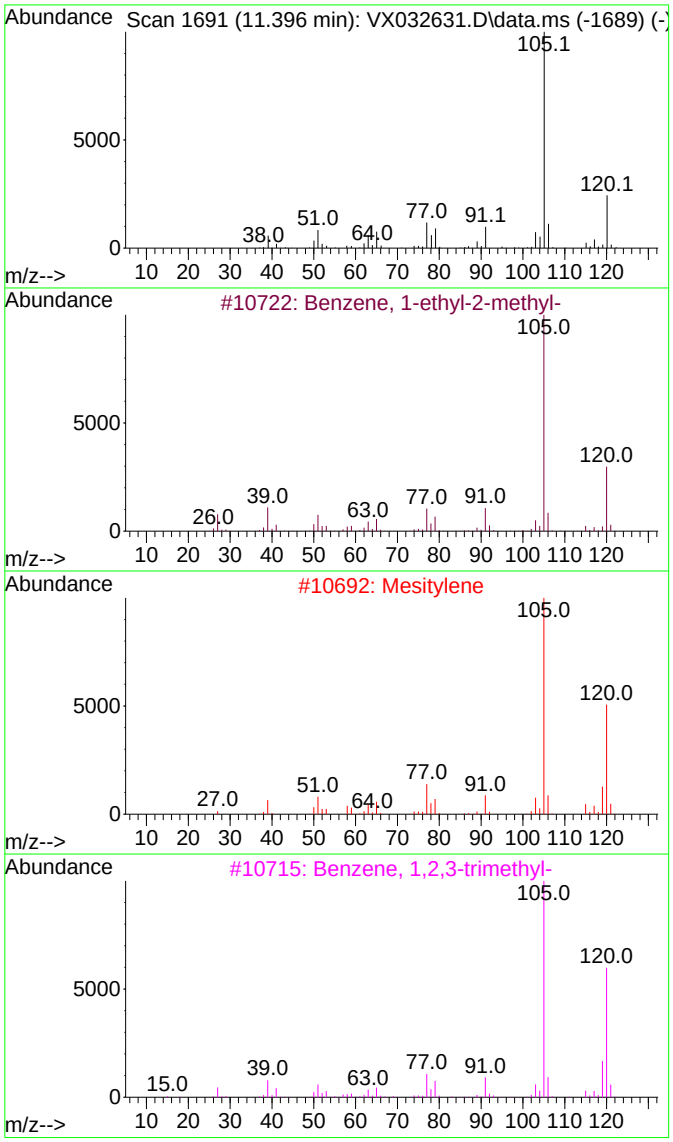
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
Quant Title : SW846 8260

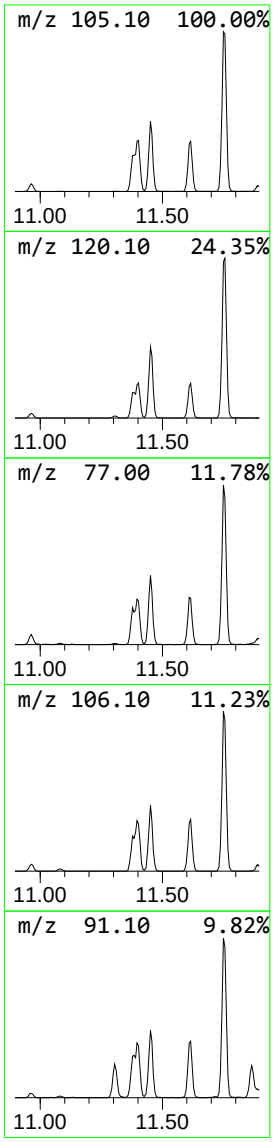
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 9 Benzene, 1-ethyl-2-methyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.396 | 37.30 ug/l | 396643 | 1,4-Dichlorobenzene-d4 | 12.024 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-2-methyl- | 120 | C9H12 | 000611-14-3 | 91 |
| 2 | Mesitylene | 120 | C9H12 | 000108-67-8 | 90 |
| 3 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 90 |
| 4 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 90 |
| 5 | Benzene, 1-ethyl-4-methyl- | 120 | C9H12 | 000622-96-8 | 87 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110722\
Data File : VX032631.D
Acq On : 07 Nov 2022 16:48
Operator : JC/MD
Sample : N5484-25
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP110422

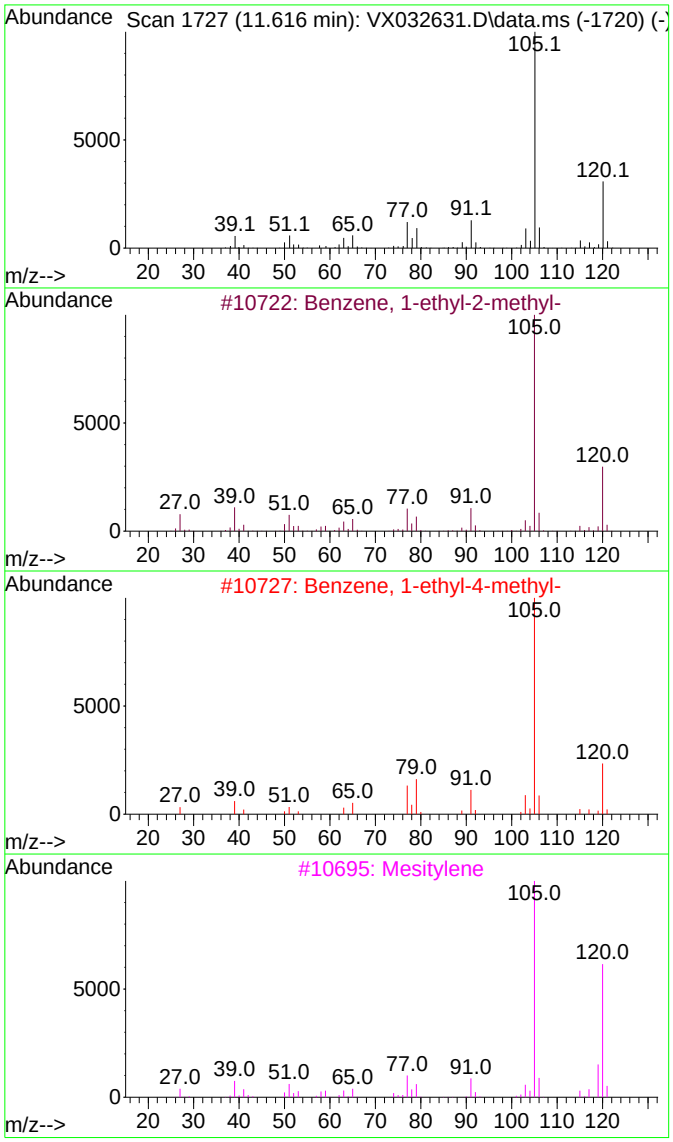
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
Quant Title : SW846 8260

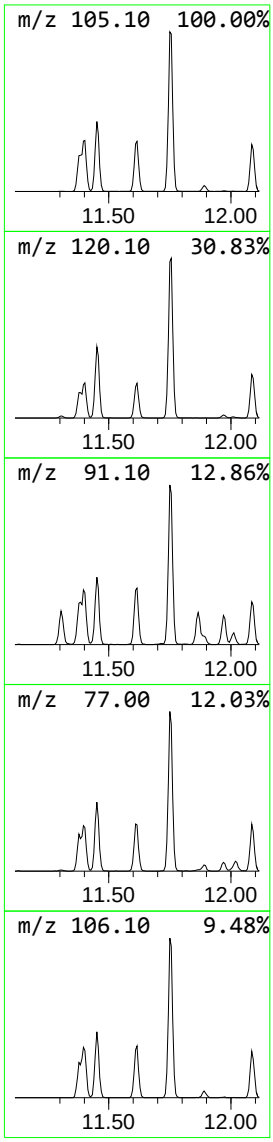
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 10 Benzene, 1-ethyl-4-methyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.616 | 37.43 ug/l | 397966 | 1,4-Dichlorobenzene-d4 | 12.024 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-2-methyl- | 120 | C9H12 | 000611-14-3 | 94 |
| 2 | Benzene, 1-ethyl-4-methyl- | 120 | C9H12 | 000622-96-8 | 93 |
| 3 | Mesitylene | 120 | C9H12 | 000108-67-8 | 91 |
| 4 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 91 |
| 5 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 91 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110722\
Data File : VX032631.D
Acq On : 07 Nov 2022 16:48
Operator : JC/MD
Sample : N5484-25
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP110422

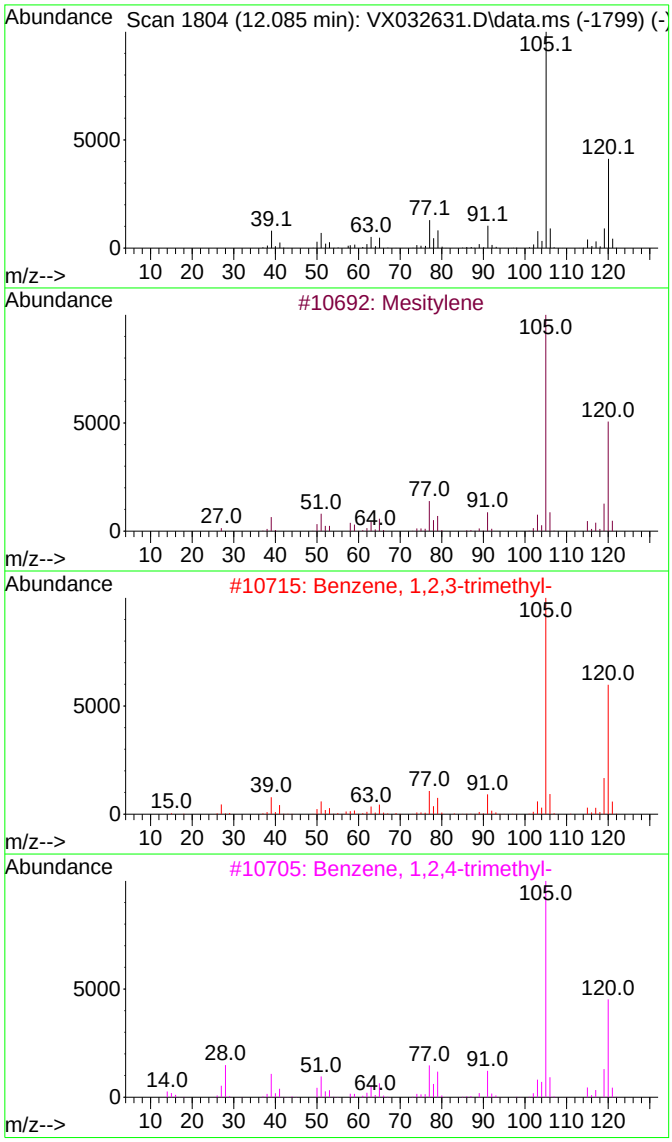
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
Quant Title : SW846 8260

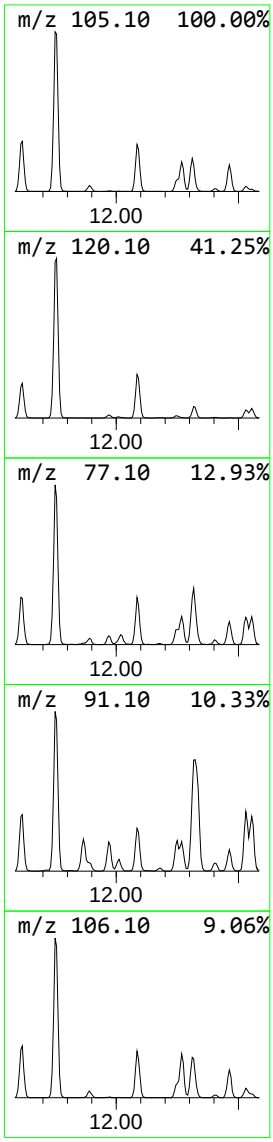
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 11 Benzene, 1,2,3-trimethyl- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.085 | 36.33 ug/l | 386328 | 1,4-Dichlorobenzene-d4 | 12.024 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Mesitylene | 120 | C9H12 | 000108-67-8 | 97 |
| 2 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 95 |
| 3 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 94 |
| 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\VX110722\
Data File : VX032631.D
Acq On : 07 Nov 2022 16:48
Operator : JC/MD
Sample : N5484-25
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP110422

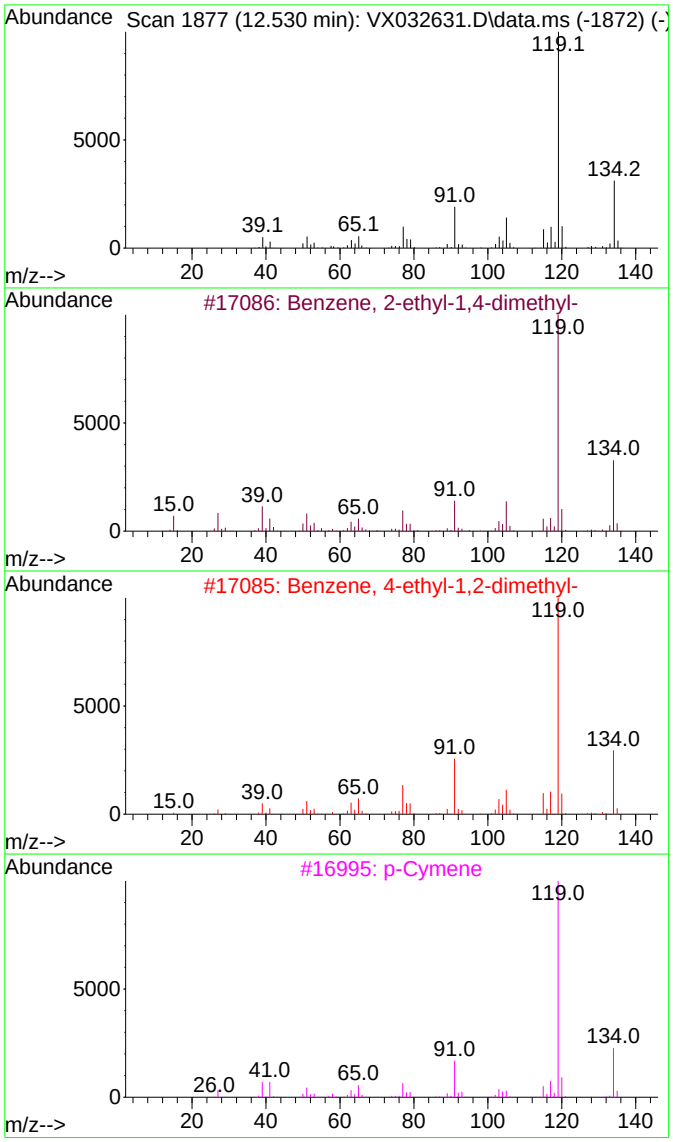
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
Quant Title : SW846 8260

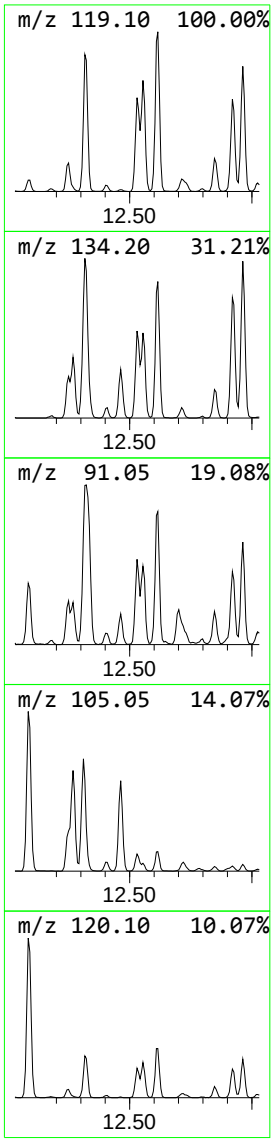
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 12 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.530 | 28.66 ug/l | 304745 | 1,4-Dichlorobenzene-d4 | 12.024 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 97 |
| 2 | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14 | 000934-80-5 | 96 |
| 3 | p-Cymene | 134 | C10H14 | 000099-87-6 | 95 |
| 4 | o-Cymene | 134 | C10H14 | 000527-84-4 | 95 |
| 5 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 94 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110722\
Data File : VX032631.D
Acq On : 07 Nov 2022 16:48
Operator : JC/MD
Sample : N5484-25
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP110422

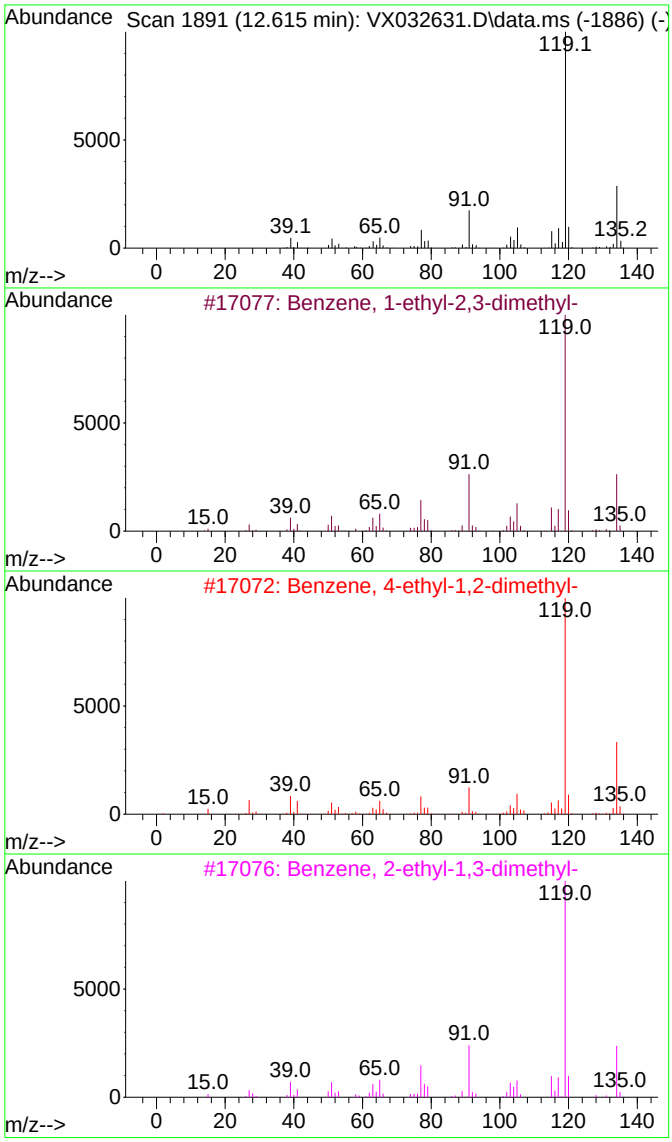
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
Quant Title : SW846 8260

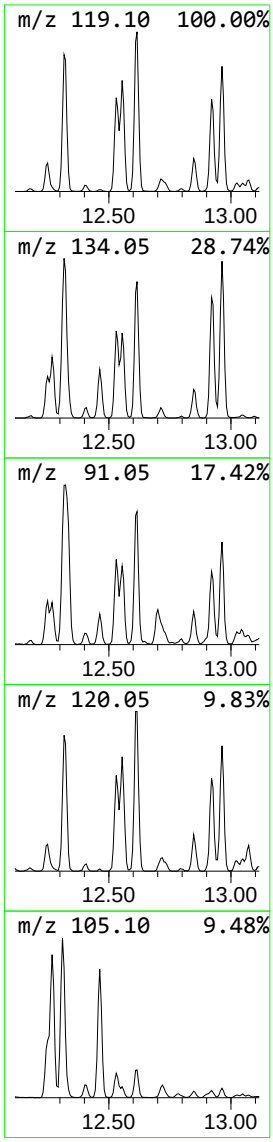
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 13 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.616 | 44.91 ug/l | 477510 | 1,4-Dichlorobenzene-d4 | 12.024 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 96 |
| 2 | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14 | 000934-80-5 | 95 |
| 3 | Benzene, 2-ethyl-1,3-dimethyl- | 134 | C10H14 | 002870-04-4 | 95 |
| 4 | o-Cymene | 134 | C10H14 | 000527-84-4 | 95 |
| 5 | p-Cymene | 134 | C10H14 | 000099-87-6 | 95 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110722\
Data File : VX032631.D
Acq On : 07 Nov 2022 16:48
Operator : JC/MD
Sample : N5484-25
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP110422

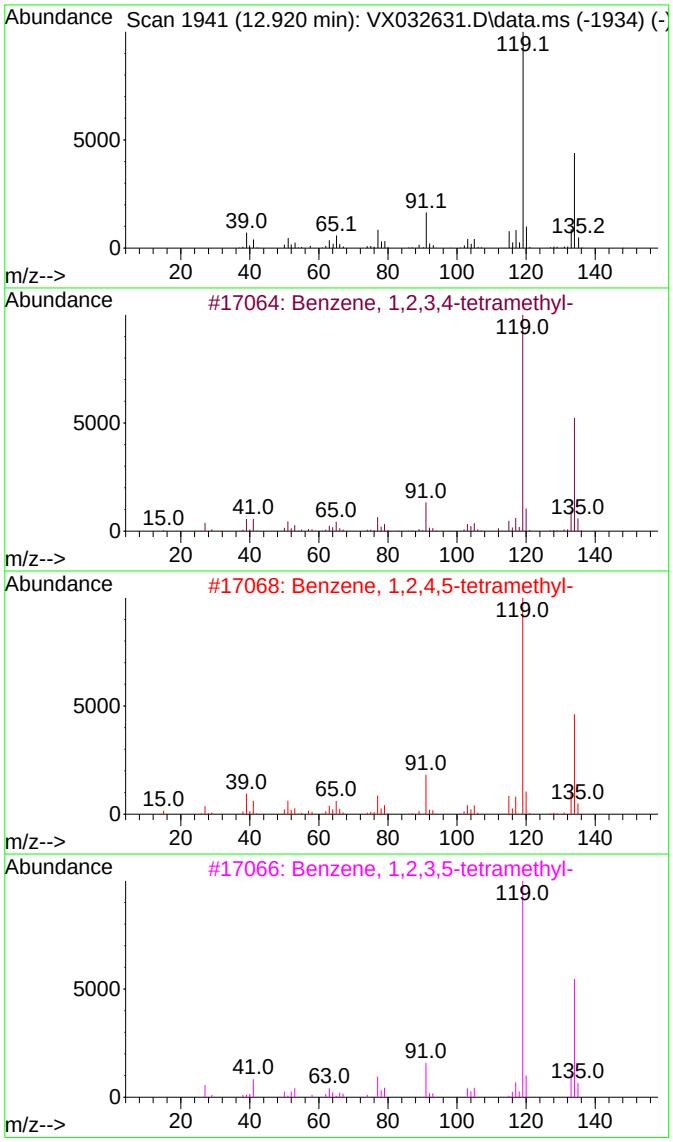
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
Quant Title : SW846 8260

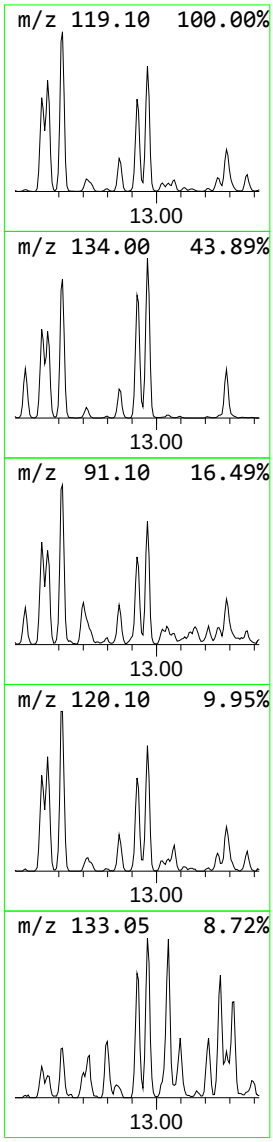
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 14 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.920 | 29.26 ug/l | 311176 | 1,4-Dichlorobenzene-d4 | 12.024 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 97 |
| 2 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 97 |
| 3 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 96 |
| 4 | o-Cymene | 134 | C10H14 | 000527-84-4 | 95 |
| 5 | Benzene, 1-ethyl-3,5-dimethyl- | 134 | C10H14 | 000934-74-7 | 91 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110722\
Data File : VX032631.D
Acq On : 07 Nov 2022 16:48
Operator : JC/MD
Sample : N5484-25
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP110422

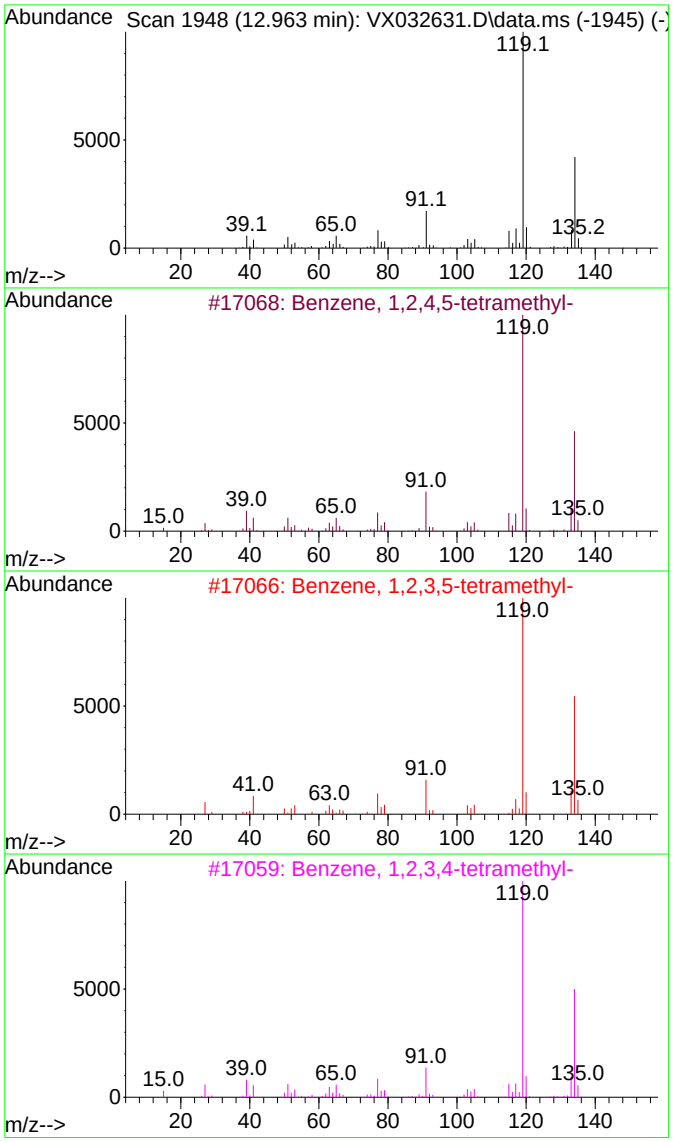
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
Quant Title : SW846 8260

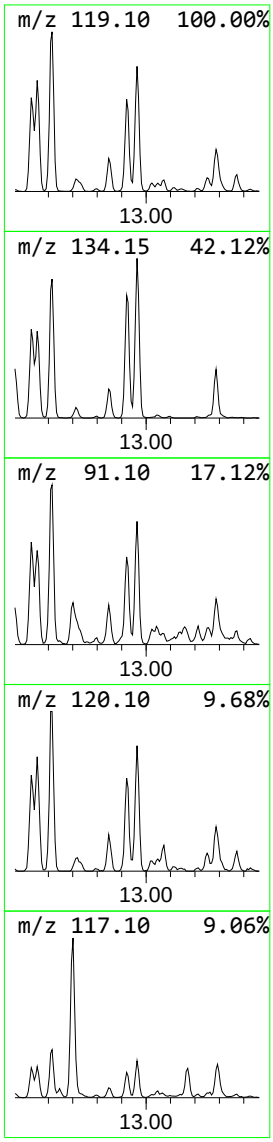
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 15 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.963 | 34.84 ug/l | 370501 | 1,4-Dichlorobenzene-d4 | 12.024 |

| 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 | 95 |
| 3 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 95 |
| 4 | o-Cymene | 134 | C10H14 | 000527-84-4 | 95 |
| 5 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 94 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110722\
Data File : VX032631.D
Acq On : 07 Nov 2022 16:48
Operator : JC/MD
Sample : N5484-25
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP110422

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

| | | | | | --Internal Standard--- | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Butane, 2-methyl- | 1.745 | 74.4 | ug/l | 304873 | 1 | 5.556 | 204779 | 50.0 |
| Pentane | 1.953 | 54.3 | ug/l | 222351 | 1 | 5.556 | 204779 | 50.0 |
| Butane, 2,3-dim... | 2.782 | 60.6 | ug/l | 248286 | 1 | 5.556 | 204779 | 50.0 |
| Pentane, 2-methyl- | 2.825 | 132.5 | ug/l | 542599 | 1 | 5.556 | 204779 | 50.0 |
| Pentane, 3-methyl- | 3.099 | 118.3 | ug/l | 484635 | 1 | 5.556 | 204779 | 50.0 |
| n-Hexane | 3.446 | 64.0 | ug/l | 262251 | 1 | 5.556 | 204779 | 50.0 |
| Cyclopentane, m... | 4.306 | 123.1 | ug/l | 504138 | 1 | 5.556 | 204779 | 50.0 |
| Hexane, 3-methyl- | 5.830 | 34.5 | ug/l | 141096 | 1 | 5.556 | 204779 | 50.0 |
| Benzene, 1-ethy... | 11.396 | 37.3 | ug/l | 396643 | 4 | 12.024 | 531677 | 50.0 |
| Benzene, 1-ethy... | 11.616 | 37.4 | ug/l | 397966 | 4 | 12.024 | 531677 | 50.0 |
| Benzene, 1,2,3-... | 12.085 | 36.3 | ug/l | 386328 | 4 | 12.024 | 531677 | 50.0 |
| Benzene, 2-ethy... | 12.530 | 28.7 | ug/l | 304745 | 4 | 12.024 | 531677 | 50.0 |
| Benzene, 1-ethy... | 12.616 | 44.9 | ug/l | 477510 | 4 | 12.024 | 531677 | 50.0 |
| Benzene, 1,2,3,... | 12.920 | 29.3 | ug/l | 311176 | 4 | 12.024 | 531677 | 50.0 |
| Benzene, 1,2,4,... | 12.963 | 34.8 | ug/l | 370501 | 4 | 12.024 | 531677 | 50.0 |