LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046887.D
Acq On : 03 Jul 2025 14:58
Operator : JC/MD
Sample : Q2503-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP3W

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\82X070225W.M
Title : SW846 8260

Signal : TIC: VX046887.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.770 | 106 | 112 | 124 | rBV | 61111 | 103750 | 3.44% | 0.300% |
| 2 | 1.971 | 140 | 145 | 155 | rBV2 | 32875 | 52918 | 1.76% | 0.153% |
| 3 | 2.361 | 202 | 209 | 221 | rVB4 | 11666 | 31741 | 1.05% | 0.092% |
| 4 | 2.800 | 272 | 281 | 283 | rBV2 | 92292 | 192344 | 6.38% | 0.557% |
| 5 | 2.843 | 283 | 288 | 311 | rVB | 290153 | 696670 | 23.11% | 2.017% |
| 6 | 3.117 | 323 | 333 | 352 | rBV | 234863 | 599952 | 19.90% | 1.737% |
| 7 | 3.465 | 382 | 390 | 405 | rBV2 | 55560 | 140814 | 4.67% | 0.408% |
| 8 | 4.062 | 479 | 488 | 505 | rBV3 | 12300 | 46891 | 1.56% | 0.136% |
| 9 | 4.227 | 505 | 515 | 521 | rBV4 | 35932 | 108234 | 3.59% | 0.313% |
| 10 | 4.318 | 521 | 530 | 547 | rVB | 347552 | 1066290 | 35.36% | 3.087% |
| 11 | 5.148 | 652 | 666 | 681 | rBV3 | 11158 | 50887 | 1.69% | 0.147% |
| 12 | 5.397 | 695 | 707 | 715 | rBV2 | 313746 | 968423 | 32.12% | 2.803% |
| 13 | 5.495 | 715 | 723 | 726 | rVV2 | 123519 | 363862 | 12.07% | 1.053% |
| 14 | 5.562 | 727 | 734 | 742 | rVB | 427473 | 1183253 | 39.24% | 3.425% |
| 15 | 5.843 | 767 | 780 | 792 | rBV4 | 228108 | 801442 | 26.58% | 2.320% |
| 16 | 5.964 | 792 | 800 | 821 | rVV | 333418 | 957855 | 31.77% | 2.773% |
| 17 | 6.166 | 823 | 833 | 842 | rVV2 | 304237 | 946190 | 31.38% | 2.739% |
| 18 | 6.269 | 842 | 850 | 858 | rVV2 | 307495 | 924578 | 30.66% | 2.676% |
| 19 | 6.367 | 858 | 866 | 882 | rVB2 | 387159 | 1160600 | 38.49% | 3.360% |
| 20 | 6.769 | 922 | 932 | 958 | rBV | 822905 | 2232973 | 74.06% | 6.464% |
| 21 | 7.178 | 991 | 999 | 1006 | rBV4 | 15346 | 35647 | 1.18% | 0.103% |
| 22 | 7.385 | 1020 | 1033 | 1047 | rBV | 1116723 | 2906975 | 96.41% | 8.415% |
| 23 | 7.501 | 1047 | 1052 | 1057 | rVV4 | 17681 | 38646 | 1.28% | 0.112% |
| 24 | 7.568 | 1057 | 1063 | 1071 | rVV3 | 22369 | 56510 | 1.87% | 0.164% |
| 25 | 7.659 | 1071 | 1078 | 1090 | rVB | 188976 | 403305 | 13.38% | 1.167% |
| 26 | 7.781 | 1090 | 1098 | 1107 | rBV | 131439 | 275286 | 9.13% | 0.797% |
| 27 | 7.958 | 1120 | 1127 | 1144 | rVB2 | 192294 | 473873 | 15.72% | 1.372% |
| 28 | 8.110 | 1144 | 1152 | 1155 | rBV2 | 47532 | 105411 | 3.50% | 0.305% |
| 29 | 8.147 | 1155 | 1158 | 1162 | rVB2 | 31322 | 46029 | 1.53% | 0.133% |
| 30 | 8.275 | 1175 | 1179 | 1182 | rBV2 | 47443 | 78550 | 2.61% | 0.227% |
| 31 | 8.318 | 1182 | 1186 | 1193 | rVB3 | 84396 | 165522 | 5.49% | 0.479% |
| 32 | 8.440 | 1201 | 1206 | 1212 | rBV | 33112 | 66599 | 2.21% | 0.193% |
| 33 | 8.513 | 1213 | 1218 | 1226 | rVB4 | 65171 | 137039 | 4.54% | 0.397% |
| 34 | 8.604 | 1226 | 1233 | 1236 | rBV2 | 345409 | 690201 | 22.89% | 1.998% |
| 35 | 8.647 | 1236 | 1240 | 1250 | rVB | 1843574 | 3015173 | 100.00% | 8.728% |
| 36 | 8.775 | 1255 | 1261 | 1265 | rVV2 | 163807 | 290490 | 9.63% | 0.841% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
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Acq On : 03 Jul 2025 14:58
Operator : JC/MD
Sample : Q2503-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP3W

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\82X070225W.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 8.818 | 1265 | 1268 | 1270 | rVV2 | 72069 | 110655 | 3.67% | 0.320% |
| 38 | 8.848 | 1270 | 1273 | 1280 | rVV2 | 117712 | 187411 | 6.22% | 0.542% |
| 39 | 8.921 | 1280 | 1285 | 1289 | rVV | 45263 | 78514 | 2.60% | 0.227% |
| 40 | 8.976 | 1289 | 1294 | 1305 | rVB2 | 257671 | 447767 | 14.85% | 1.296% |
| 41 | 9.104 | 1305 | 1315 | 1320 | rBV | 166440 | 308262 | 10.22% | 0.892% |
| 42 | 9.159 | 1320 | 1324 | 1329 | rVV | 71833 | 120608 | 4.00% | 0.349% |
| 43 | 9.202 | 1329 | 1331 | 1337 | rVB3 | 25612 | 34948 | 1.16% | 0.101% |
| 44 | 9.378 | 1355 | 1360 | 1364 | rBV3 | 40342 | 61313 | 2.03% | 0.177% |
| 45 | 9.513 | 1376 | 1382 | 1386 | rVV3 | 114510 | 210166 | 6.97% | 0.608% |
| 46 | 9.561 | 1386 | 1390 | 1394 | rVV | 220099 | 319287 | 10.59% | 0.924% |
| 47 | 9.616 | 1394 | 1399 | 1404 | rVV2 | 169054 | 282964 | 9.38% | 0.819% |
| 48 | 9.659 | 1404 | 1406 | 1416 | rVB5 | 29305 | 52349 | 1.74% | 0.152% |
| 49 | 9.763 | 1416 | 1423 | 1429 | rBV2 | 40083 | 69277 | 2.30% | 0.201% |
| 50 | 9.830 | 1429 | 1434 | 1442 | rBV6 | 36086 | 82415 | 2.73% | 0.239% |
| 51 | 10.049 | 1465 | 1470 | 1477 | rBV | 1737215 | 2476291 | 82.13% | 7.168% |
| 52 | 10.128 | 1478 | 1483 | 1487 | rVB | 89811 | 133437 | 4.43% | 0.386% |
| 53 | 10.275 | 1502 | 1507 | 1510 | rBV2 | 51360 | 85797 | 2.85% | 0.248% |
| 54 | 10.458 | 1532 | 1537 | 1546 | rVB2 | 30928 | 55595 | 1.84% | 0.161% |
| 55 | 10.586 | 1548 | 1558 | 1566 | rBV6 | 50104 | 131626 | 4.37% | 0.381% |
| 56 | 10.775 | 1578 | 1589 | 1594 | rBV2 | 87377 | 157723 | 5.23% | 0.457% |
| 57 | 10.854 | 1598 | 1602 | 1610 | rBV5 | 54410 | 87335 | 2.90% | 0.253% |
| 58 | 10.964 | 1615 | 1620 | 1623 | rBV | 40827 | 61428 | 2.04% | 0.178% |
| 59 | 11.079 | 1634 | 1639 | 1644 | rBV | 1572879 | 1961739 | 65.06% | 5.679% |
| 60 | 11.122 | 1644 | 1646 | 1651 | rVB3 | 49692 | 65726 | 2.18% | 0.190% |
| 61 | 11.220 | 1659 | 1662 | 1667 | rVB2 | 36199 | 47821 | 1.59% | 0.138% |
| 62 | 11.305 | 1670 | 1676 | 1685 | rBV | 108141 | 153756 | 5.10% | 0.445% |
| 63 | 11.616 | 1722 | 1727 | 1734 | rVB3 | 36776 | 57765 | 1.92% | 0.167% |
| 64 | 11.860 | 1761 | 1767 | 1770 | rBV2 | 37750 | 64052 | 2.12% | 0.185% |
| 65 | 11.890 | 1770 | 1772 | 1776 | rVB | 40317 | 42019 | 1.39% | 0.122% |
| 66 | 12.018 | 1788 | 1793 | 1807 | rBV | 2106571 | 2551455 | 84.62% | 7.386% |
| 67 | 12.244 | 1825 | 1830 | 1836 | rBV | 123335 | 156927 | 5.20% | 0.454% |
| 68 | 12.311 | 1836 | 1841 | 1843 | rBV2 | 63448 | 87709 | 2.91% | 0.254% |
| 69 | 12.402 | 1851 | 1856 | 1863 | rBV2 | 22816 | 34628 | 1.15% | 0.100% |
| 70 | 12.610 | 1882 | 1890 | 1893 | rBV | 262547 | 328364 | 10.89% | 0.950% |
| 71 | 12.640 | 1893 | 1895 | 1900 | rVV2 | 64023 | 88848 | 2.95% | 0.257% |
| 72 | 12.695 | 1900 | 1904 | 1912 | rVV3 | 147658 | 271483 | 9.00% | 0.786% |
| 73 | 12.835 | 1924 | 1927 | 1932 | rVB2 | 32552 | 44074 | 1.46% | 0.128% |
| 74 | 12.921 | 1932 | 1941 | 1947 | rBV | 144418 | 210285 | 6.97% | 0.609% |
| 75 | 13.024 | 1953 | 1958 | 1965 | rVB3 | 53277 | 84968 | 2.82% | 0.246% |
| 76 | 13.091 | 1965 | 1969 | 1972 | rBV | 27003 | 39590 | 1.31% | 0.115% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046887.D
Acq On : 03 Jul 2025 14:58
Operator : JC/MD
Sample : Q2503-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP3W

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\82X070225W.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 13.134 | 1972 | 1976 | 1978 | rVV | 47974 | 58656 | 1.95% | 0.170% |
| 78 | 13.164 | 1978 | 1981 | 1992 | rVB2 | 94647 | 141090 | 4.68% | 0.408% |
| 79 | 13.286 | 1997 | 2001 | 2007 | rVB2 | 166967 | 246858 | 8.19% | 0.715% |
| 80 | 13.366 | 2012 | 2014 | 2021 | rVV | 34897 | 56897 | 1.89% | 0.165% |
| 81 | 13.506 | 2032 | 2037 | 2039 | rBV2 | 41713 | 58328 | 1.93% | 0.169% |
| 82 | 13.542 | 2039 | 2043 | 2046 | rVV | 87873 | 125324 | 4.16% | 0.363% |
| 83 | 13.579 | 2046 | 2049 | 2053 | rVV3 | 98547 | 146442 | 4.86% | 0.424% |
| 84 | 13.640 | 2053 | 2059 | 2060 | rVV3 | 42541 | 79292 | 2.63% | 0.230% |
| 85 | 13.658 | 2060 | 2062 | 2072 | rVB2 | 82445 | 121383 | 4.03% | 0.351% |
| 86 | 13.926 | 2098 | 2106 | 2110 | rBV4 | 33114 | 58170 | 1.93% | 0.168% |
| 87 | 14.073 | 2125 | 2130 | 2137 | rBV | 41493 | 57430 | 1.90% | 0.166% |
| 88 | 14.213 | 2148 | 2153 | 2163 | rBV3 | 38078 | 70279 | 2.33% | 0.203% |
| 89 | 14.371 | 2175 | 2179 | 2183 | rVB3 | 26912 | 33650 | 1.12% | 0.097% |
| 90 | 14.780 | 2240 | 2246 | 2251 | rBV2 | 18180 | 31419 | 1.04% | 0.091% |

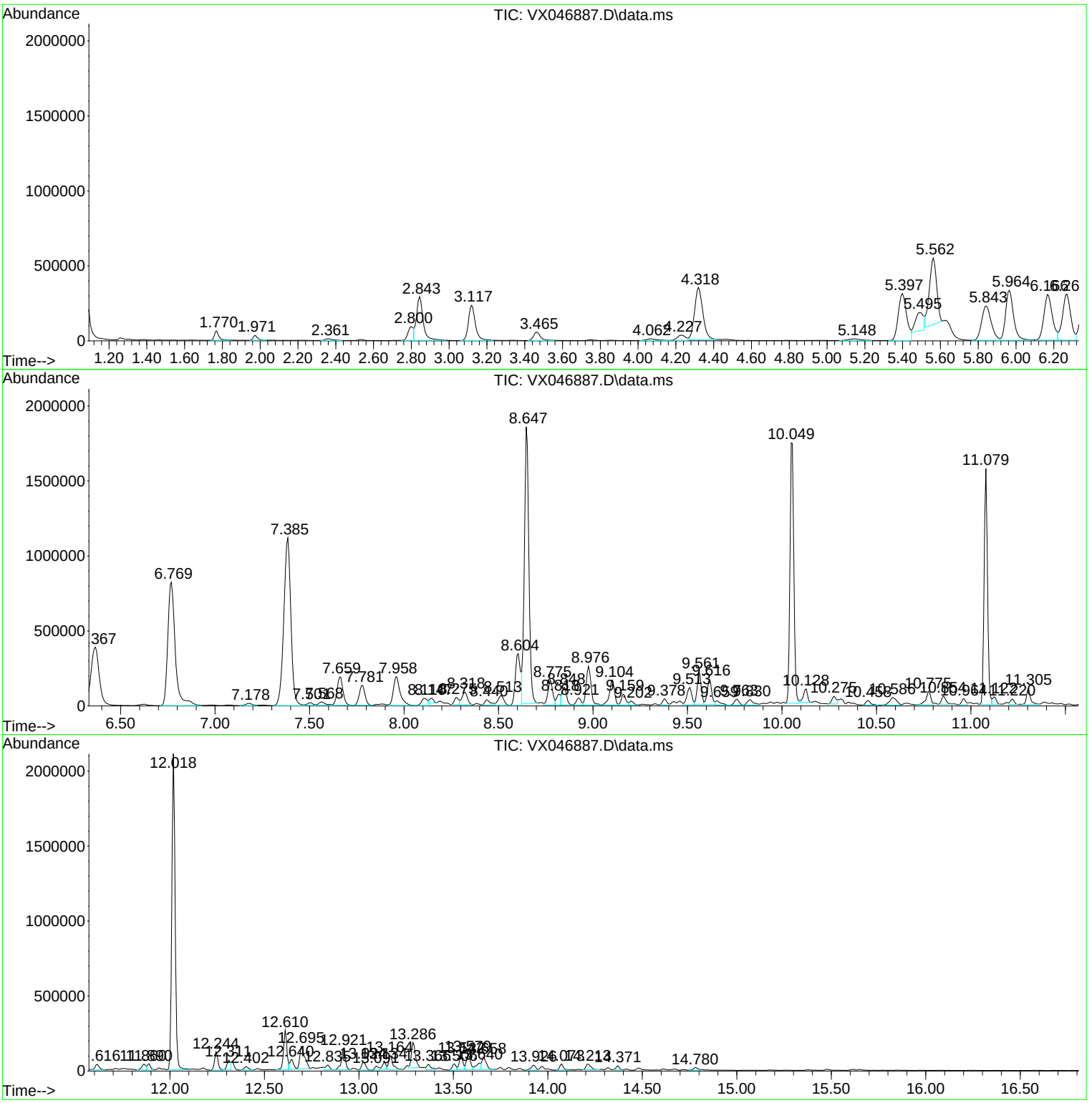
Sum of corrected areas: 34546518

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046887.D
Acq On : 03 Jul 2025 14:58
Operator : JC/MD
Sample : Q2503-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP3W

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046887.D
Acq On : 03 Jul 2025 14:58
Operator : JC/MD
Sample : Q2503-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP3W

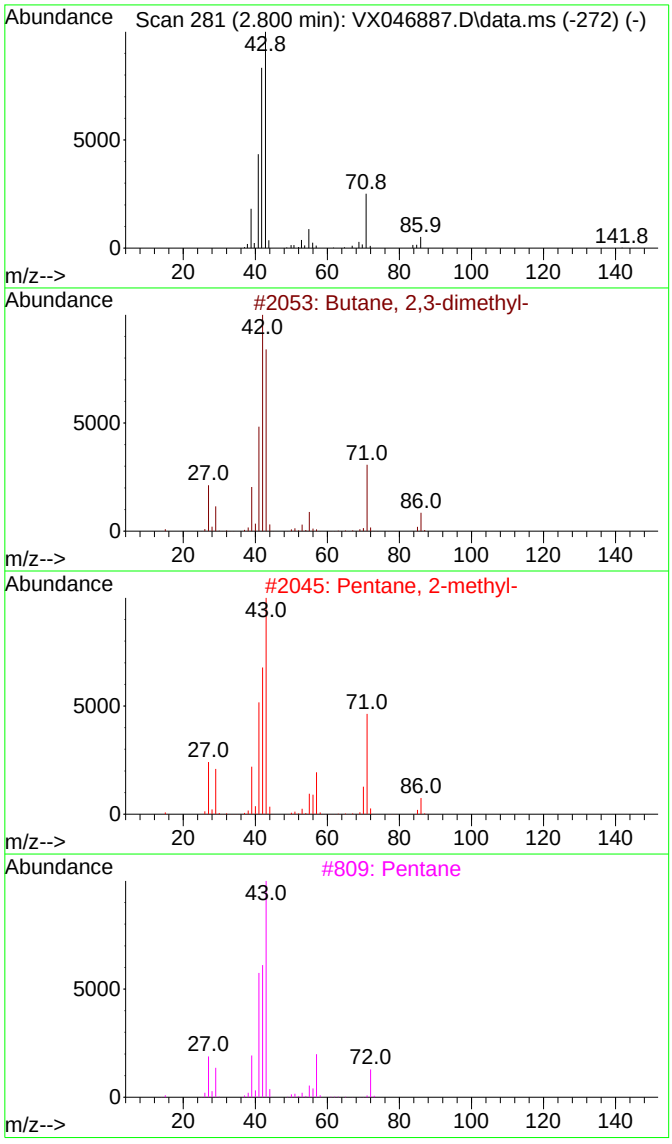
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

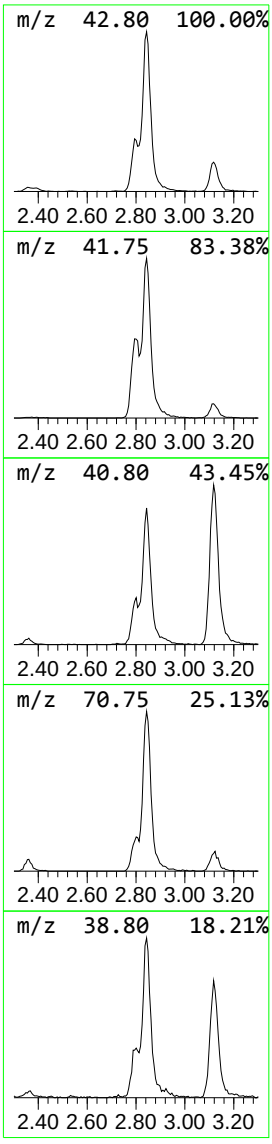
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 Butane, 2,3-dimethyl- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.800 | 8.13 ug/l | 192344 | Pentafluorobenzene | 5.562 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2,3-dimethyl- | 86 | C6H14 | 000079-29-8 | 90 |
| 2 | Pentane, 2-methyl- | 86 | C6H14 | 000107-83-5 | 78 |
| 3 | Pentane | 72 | C5H12 | 000109-66-0 | 38 |
| 4 | 1-Pentene | 70 | C5H10 | 000109-67-1 | 38 |
| 5 | Propanoyl chloride, 2-methyl- | 106 | C4H7ClO | 000079-30-1 | 12 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046887.D
Acq On : 03 Jul 2025 14:58
Operator : JC/MD
Sample : Q2503-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP3W

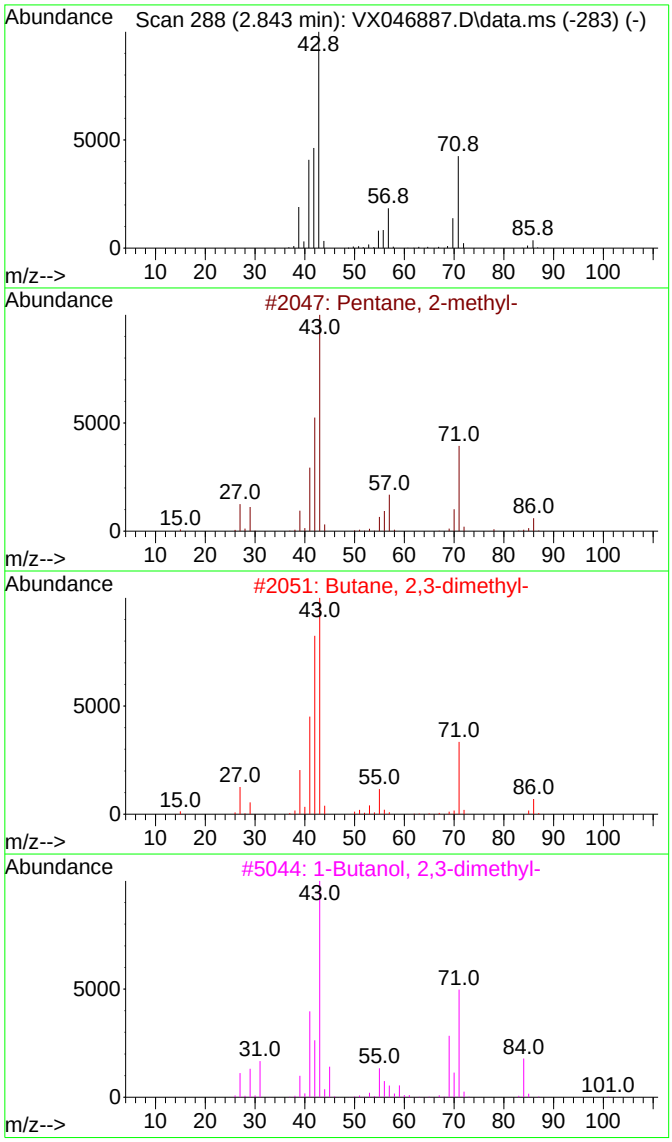
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

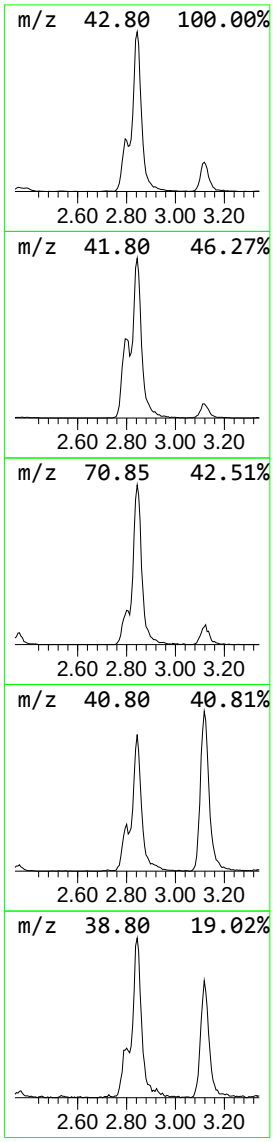
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.843 | 29.44 ug/l | 696670 | Pentafluorobenzene | 5.562 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane, 2-methyl- | 86 | C6H14 | 000107-83-5 | 91 |
| 2 | Butane, 2,3-dimethyl- | 86 | C6H14 | 000079-29-8 | 50 |
| 3 | 1-Butanol, 2,3-dimethyl- | 102 | C6H14O | 019550-30-2 | 45 |
| 4 | Pentane | 72 | C5H12 | 000109-66-0 | 38 |
| 5 | Heptane, 2,4-dimethyl- | 128 | C9H20 | 002213-23-2 | 32 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046887.D
Acq On : 03 Jul 2025 14:58
Operator : JC/MD
Sample : Q2503-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP3W

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

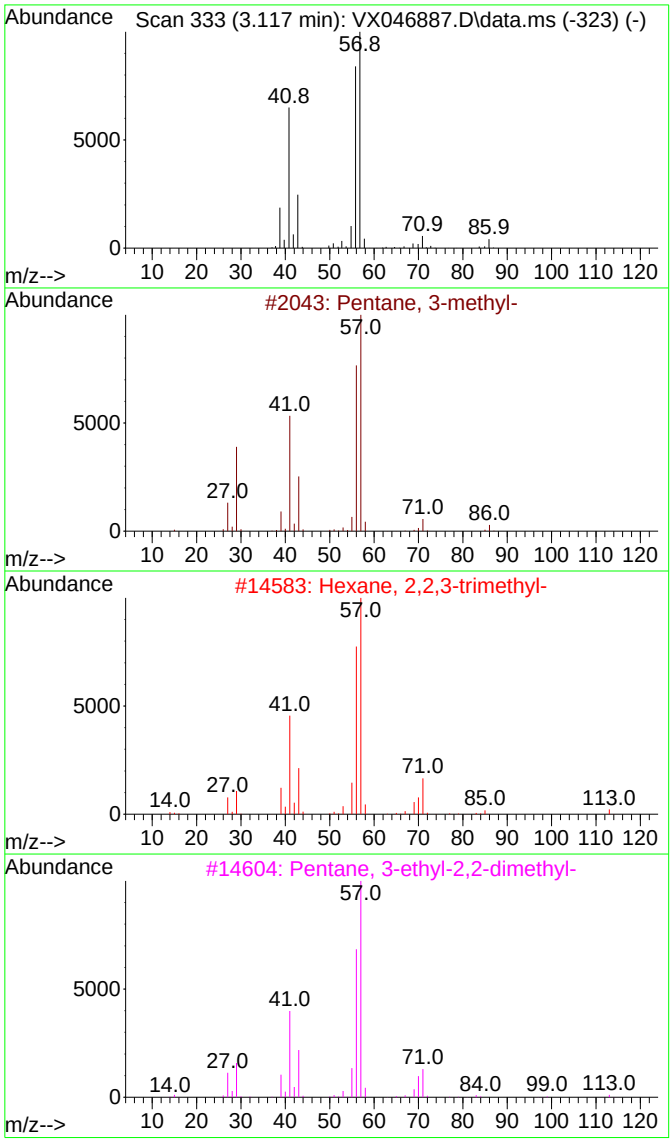
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

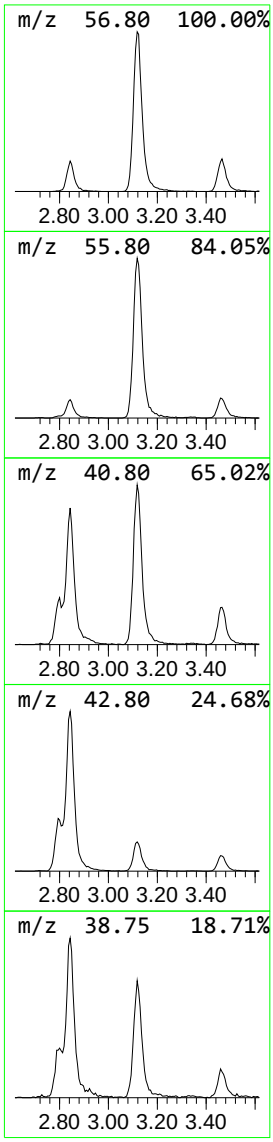
**********

Peak Number 3 Pentane, 3-methyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.117 | 25.35 ug/l | 599952 | Pentafluorobenzene | 5.562 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane, 3-methyl- | 86 | C6H14 | 000096-14-0 | 91 |
| 2 | Hexane, 2,2,3-trimethyl- | 128 | C9H20 | 016747-25-4 | 64 |
| 3 | Pentane, 3-ethyl-2,2-dimethyl- | 128 | C9H20 | 016747-32-3 | 56 |
| 4 | Oxirane, (1-methylethyl)- | 86 | C5H10O | 001438-14-8 | 45 |
| 5 | Butyl isocyanatoacetate | 157 | C7H11NO3 | 017046-22-9 | 40 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046887.D
Acq On : 03 Jul 2025 14:58
Operator : JC/MD
Sample : Q2503-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP3W

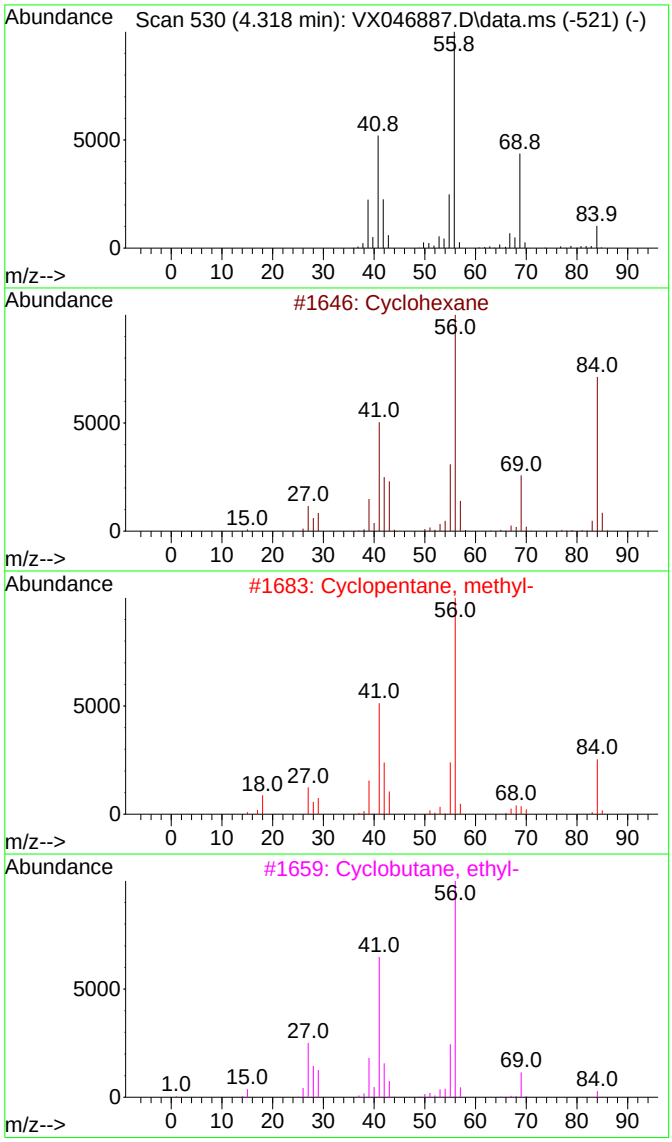
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

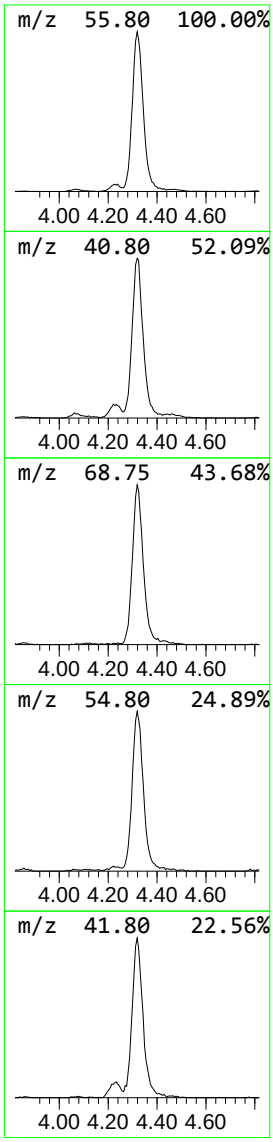
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 Cyclopentane, methyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.318 | 45.06 ug/l | 1066290 | Pentafluorobenzene | 5.562 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane | 84 | C6H12 | 000110-82-7 | 83 |
| 2 | Cyclopentane, methyl- | 84 | C6H12 | 000096-37-7 | 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 | 43 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046887.D
Acq On : 03 Jul 2025 14:58
Operator : JC/MD
Sample : Q2503-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP3W

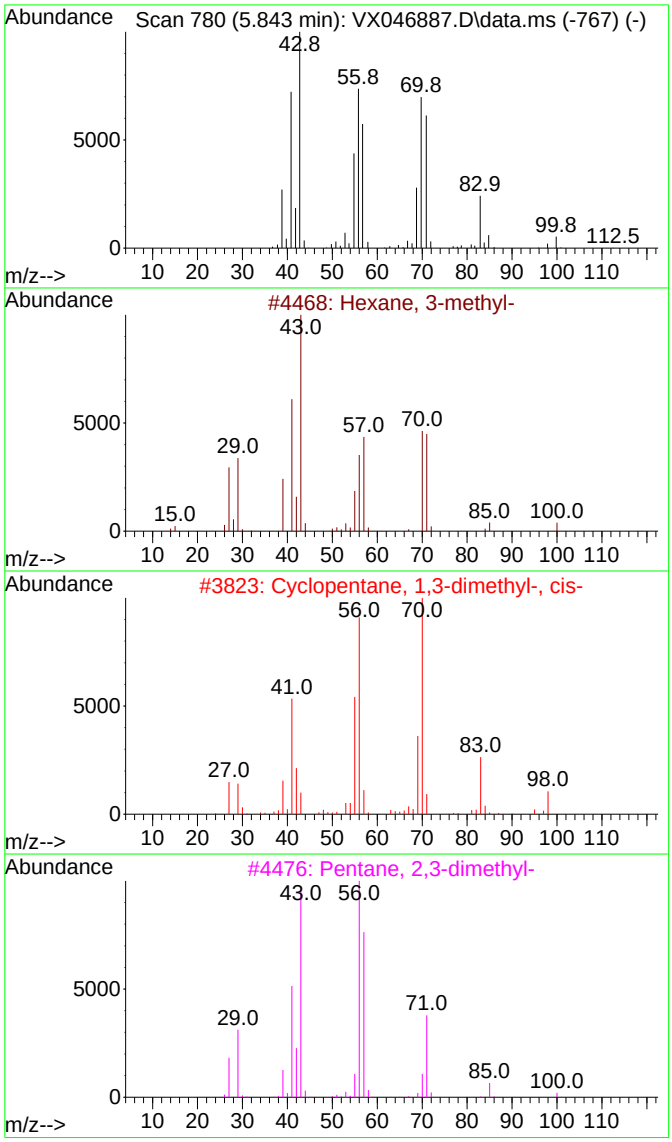
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

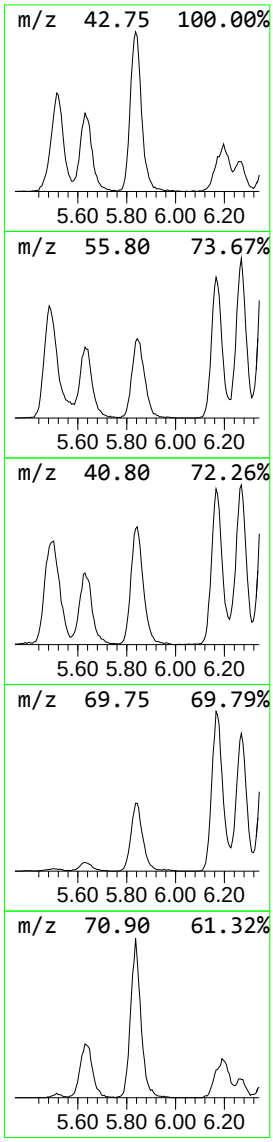
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.843 | 33.87 ug/l | 801442 | Pentafluorobenzene | 5.562 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexane, 3-methyl- | 100 | C7H16 | 000589-34-4 | 60 |
| 2 | Cyclopentane, 1,3-dimethyl-, cis- | 98 | C7H14 | 002532-58-3 | 52 |
| 3 | Pentane, 2,3-dimethyl- | 100 | C7H16 | 000565-59-3 | 50 |
| 4 | Cyclopentane, 1,2-dimethyl-, trans- | 98 | C7H14 | 000822-50-4 | 50 |
| 5 | Cyclopentane, 1,2-dimethyl-, cis- | 98 | C7H14 | 001192-18-3 | 47 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046887.D
Acq On : 03 Jul 2025 14:58
Operator : JC/MD
Sample : Q2503-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP3W

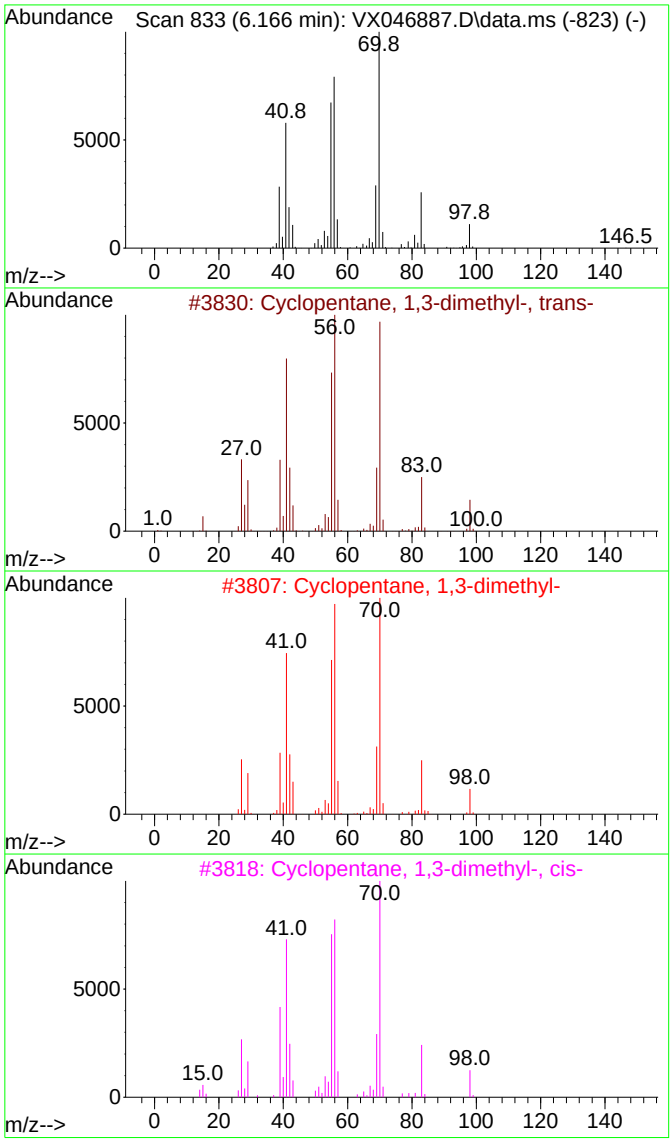
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

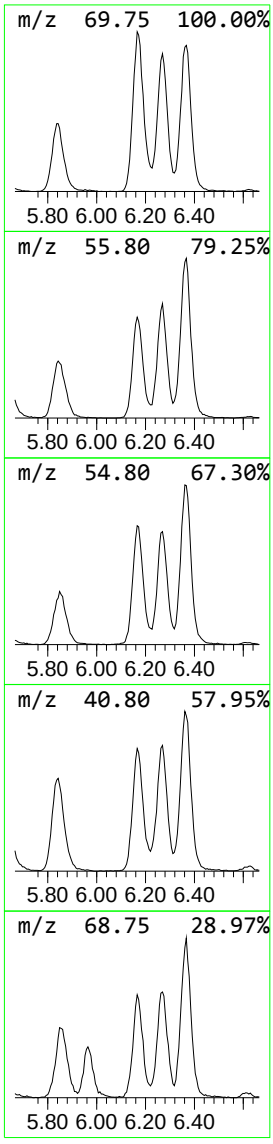
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 Cyclopentane, 1,3-dimethyl-... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.166 | 39.98 ug/l | 946190 | Pentafluorobenzene | 5.562 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, 1,3-dimethyl-, trans- | 98 | C7H14 | 001759-58-6 | 95 |
| 2 | Cyclopentane, 1,3-dimethyl- | 98 | C7H14 | 002453-00-1 | 94 |
| 3 | Cyclopentane, 1,3-dimethyl-, cis- | 98 | C7H14 | 002532-58-3 | 93 |
| 4 | Cyclopentane, 1,2-dimethyl-, cis- | 98 | C7H14 | 001192-18-3 | 70 |
| 5 | Cyclopentane, 1,2-dimethyl- | 98 | C7H14 | 002452-99-5 | 58 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046887.D
Acq On : 03 Jul 2025 14:58
Operator : JC/MD
Sample : Q2503-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP3W

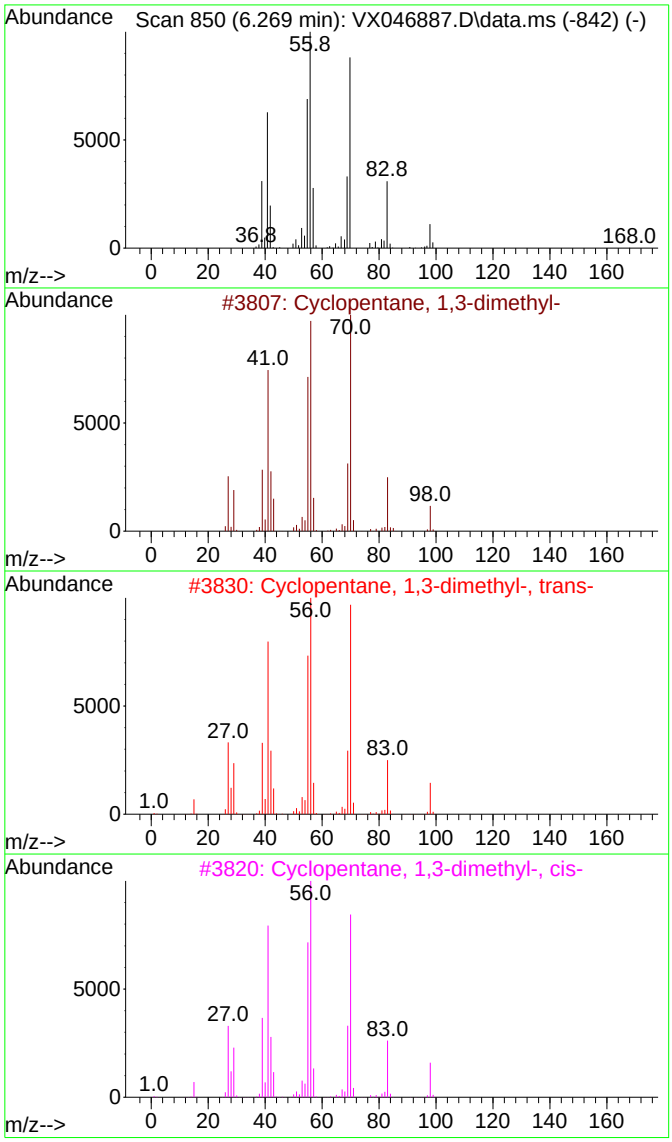
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

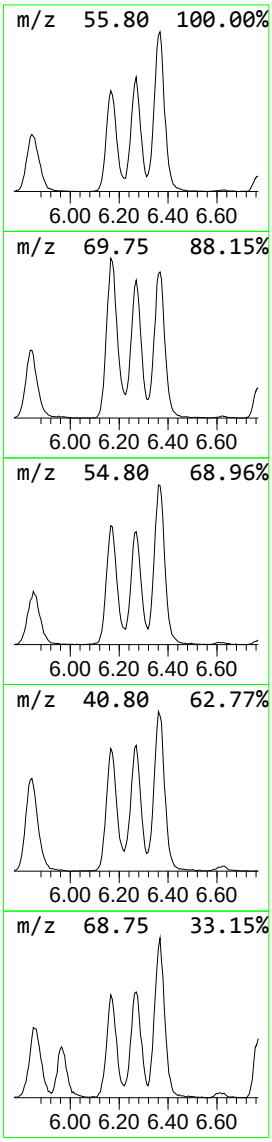
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 Cyclopentane, 1,3-dimethyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.269 | 20.70 ug/l | 924578 | 1,4-Difluorobenzene | 6.769 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, 1,3-dimethyl- | 98 | C7H14 | 002453-00-1 | 90 |
| 2 | Cyclopentane, 1,3-dimethyl-, trans- | 98 | C7H14 | 001759-58-6 | 90 |
| 3 | Cyclopentane, 1,3-dimethyl-, cis- | 98 | C7H14 | 002532-58-3 | 90 |
| 4 | Cyclopentane, 1,2-dimethyl-, cis- | 98 | C7H14 | 001192-18-3 | 87 |
| 5 | Cyclobutanone, 3-ethyl- | 98 | C6H10O | 056335-73-0 | 72 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046887.D
Acq On : 03 Jul 2025 14:58
Operator : JC/MD
Sample : Q2503-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP3W

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

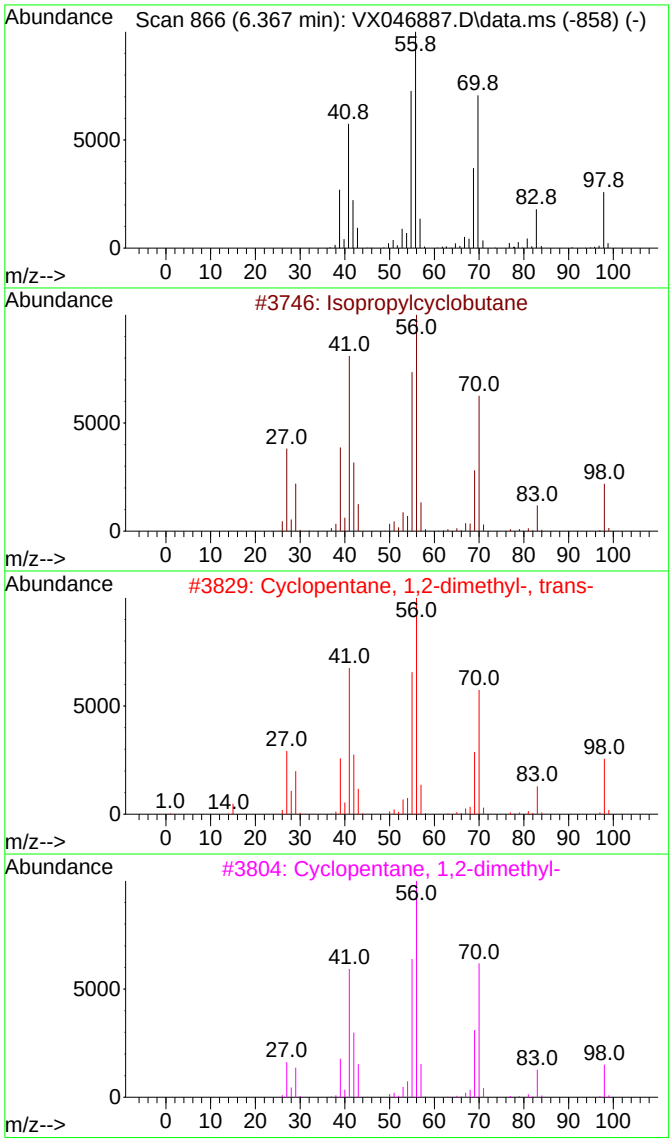
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

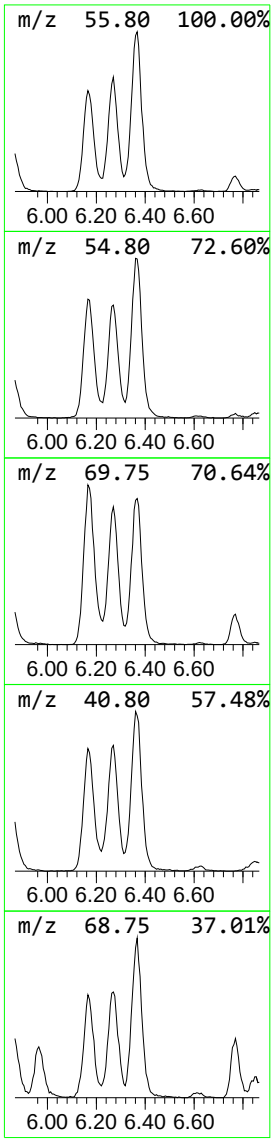
**********

Peak Number 8 Isopropylcyclobutane Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.367 | 25.99 ug/l | 1160600 | 1,4-Difluorobenzene | 6.769 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Isopropylcyclobutane | 98 | C7H14 | 000872-56-0 | 94 |
| 2 | Cyclopentane, 1,2-dimethyl-, trans- | 98 | C7H14 | 000822-50-4 | 91 |
| 3 | Cyclopentane, 1,2-dimethyl- | 98 | C7H14 | 002452-99-5 | 87 |
| 4 | 3-Heptene | 98 | C7H14 | 000592-78-9 | 64 |
| 5 | 1-Heptene | 98 | C7H14 | 000592-76-7 | 64 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046887.D
Acq On : 03 Jul 2025 14:58
Operator : JC/MD
Sample : Q2503-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP3W

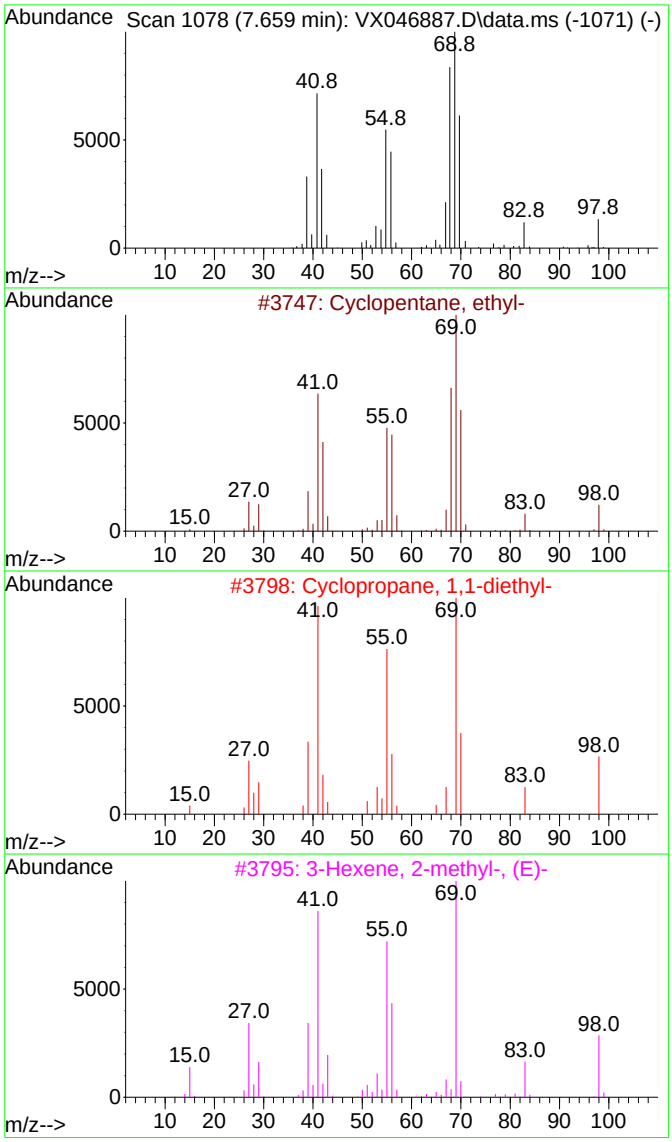
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

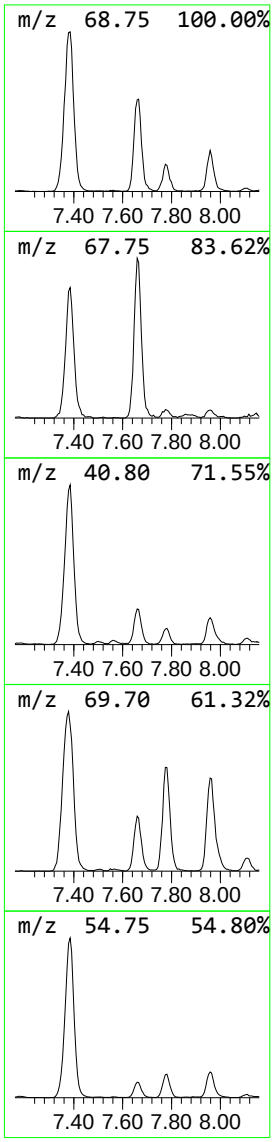
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 9 Cyclopentane, ethyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.659 | 9.03 ug/l | 403305 | 1,4-Difluorobenzene | 6.769 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, ethyl- | 98 | C7H14 | 001640-89-7 | 93 |
| 2 | Cyclopropane, 1,1-diethyl- | 98 | C7H14 | 001003-19-6 | 43 |
| 3 | 3-Hexene, 2-methyl-, (E)- | 98 | C7H14 | 000692-24-0 | 43 |
| 4 | Cyclopentane, 1,3-dimethyl-, cis- | 98 | C7H14 | 002532-58-3 | 38 |
| 5 | 1-Pentene, 3-ethyl- | 98 | C7H14 | 004038-04-4 | 38 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046887.D
Acq On : 03 Jul 2025 14:58
Operator : JC/MD
Sample : Q2503-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP3W

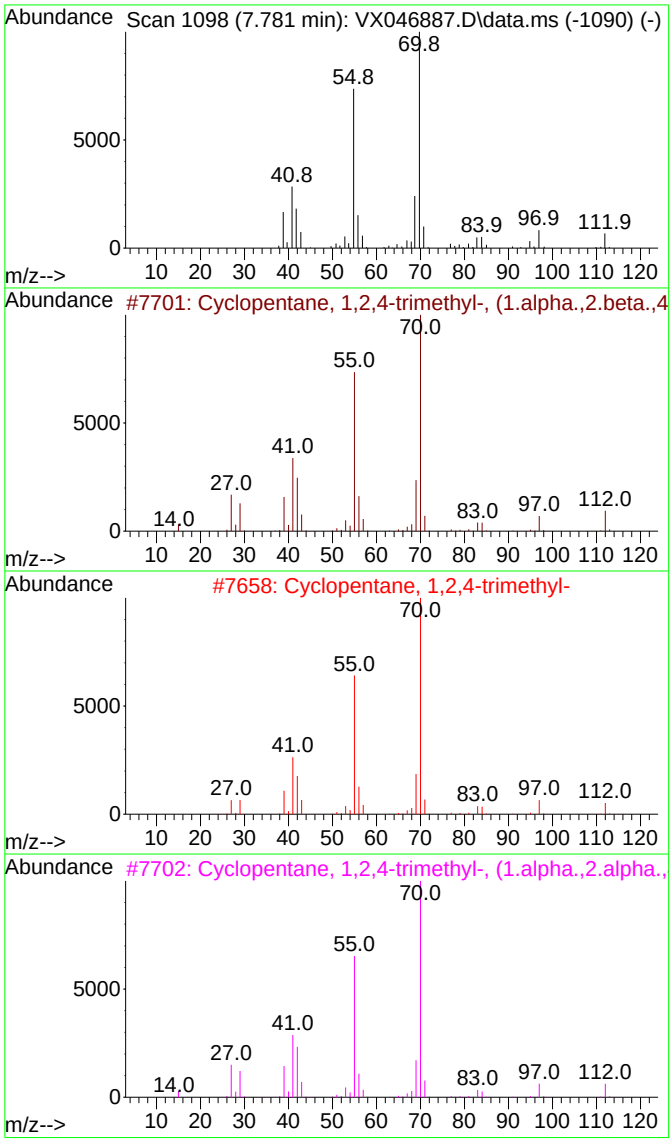
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

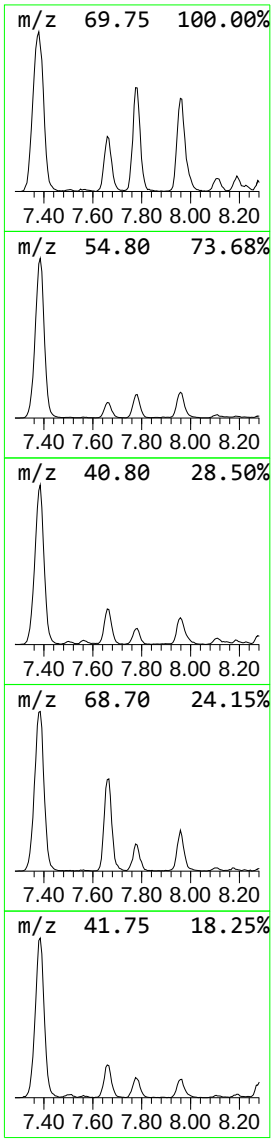
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 10 Cyclopentane, 1,2,4-trimeth... Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.781 | 6.16 ug/l | 275286 | 1,4-Difluorobenzene | 6.769 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, 1,2,4-trimethyl-, ... | 112 | C8H16 | 016883-48-0 | 94 |
| 2 | Cyclopentane, 1,2,4-trimethyl- | 112 | C8H16 | 002815-58-9 | 94 |
| 3 | Cyclopentane, 1,2,4-trimethyl-, ... | 112 | C8H16 | 004850-28-6 | 90 |
| 4 | Hexane, 2-methyl-4-methylene- | 112 | C8H16 | 003404-80-6 | 90 |
| 5 | 2-Heptene, 3-methyl- | 112 | C8H16 | 003404-75-9 | 80 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046887.D
Acq On : 03 Jul 2025 14:58
Operator : JC/MD
Sample : Q2503-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP3W

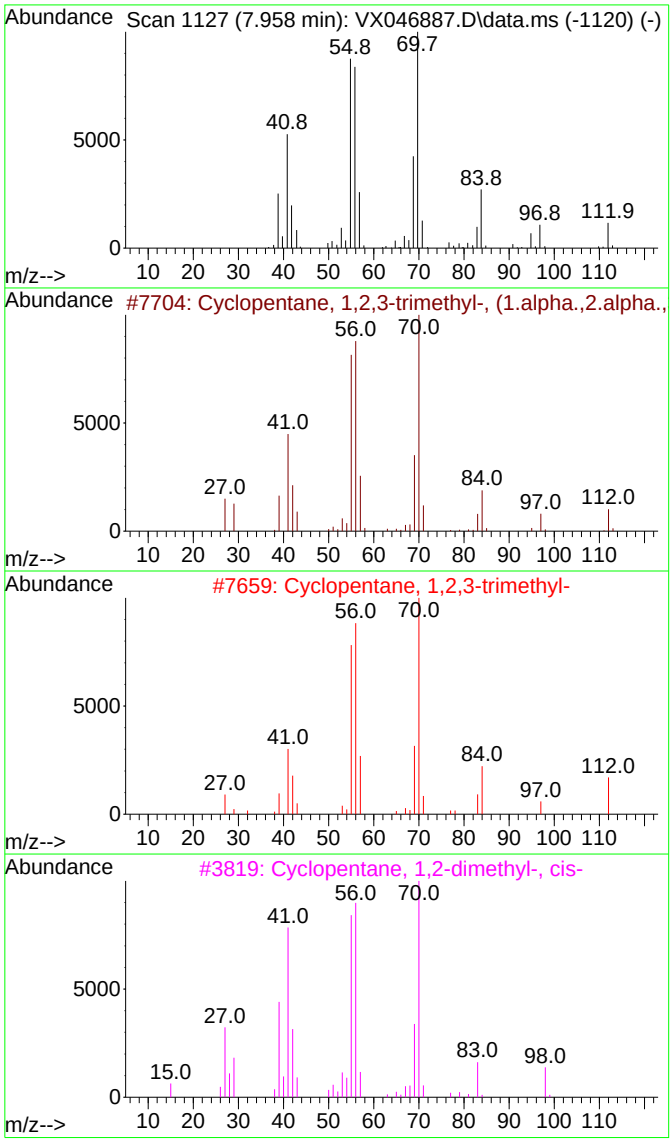
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

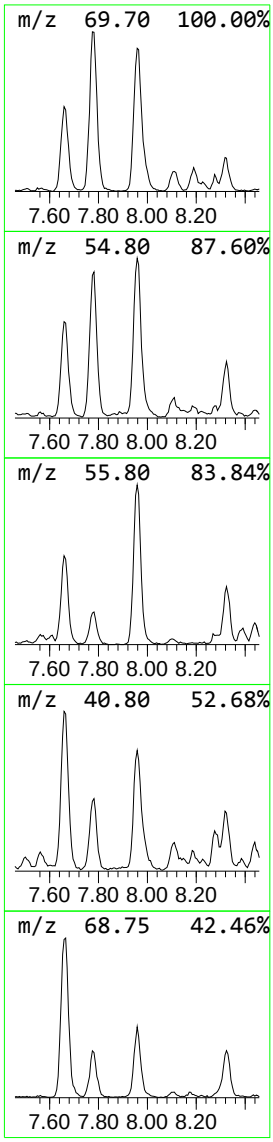
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 11 Cyclopentane, 1,2,3-trimeth... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.958 | 10.61 ug/l | 473873 | 1,4-Difluorobenzene | 6.769 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, 1,2,3-trimethyl-, ... | 112 | C8H16 | 015890-40-1 | 94 |
| 2 | Cyclopentane, 1,2,3-trimethyl- | 112 | C8H16 | 002815-57-8 | 91 |
| 3 | Cyclopentane, 1,2-dimethyl-, cis- | 98 | C7H14 | 001192-18-3 | 72 |
| 4 | trans-1-Butyl-2-methylcyclopropane | 112 | C8H16 | 038851-70-6 | 64 |
| 5 | Cyclopentane, 1,2,3-trimethyl-, ... | 112 | C8H16 | 002613-69-6 | 53 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046887.D
Acq On : 03 Jul 2025 14:58
Operator : JC/MD
Sample : Q2503-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP3W

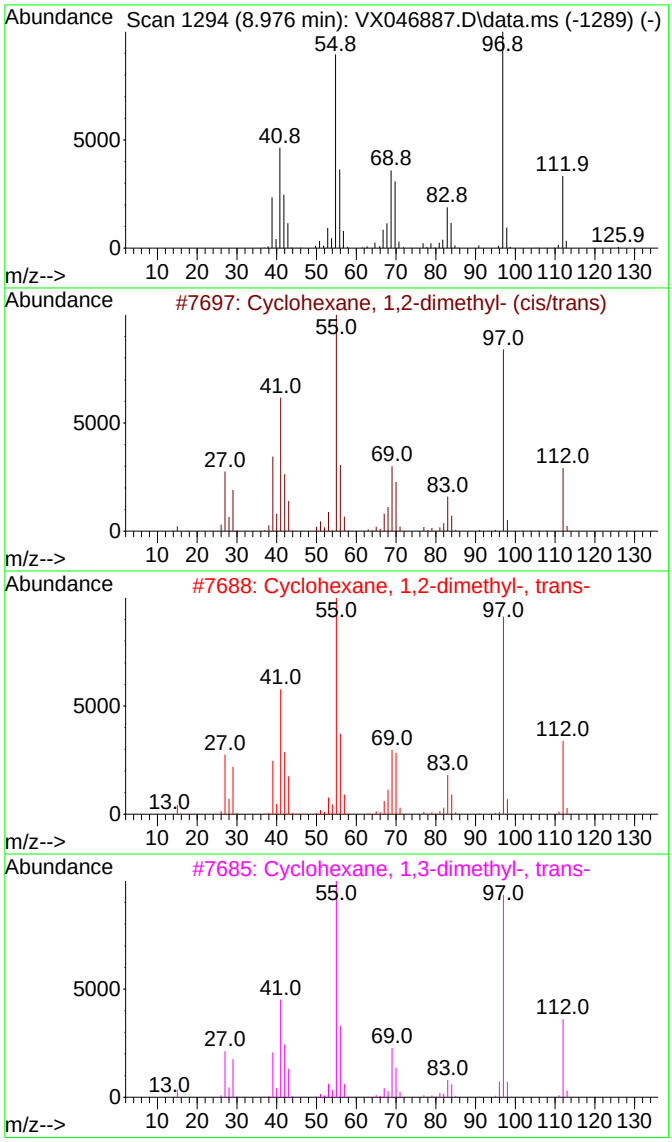
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

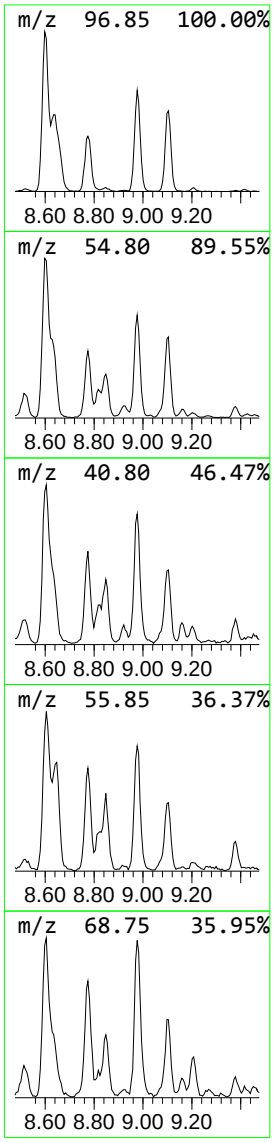
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 12 Cyclohexane, 1,2-dimethyl- ... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.976 | 9.04 ug/l | 447767 | Chlorobenzene-d5 | 10.055 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, 1,2-dimethyl- (cis/... | 112 | C8H16 | 000583-57-3 | 97 |
| 2 | Cyclohexane, 1,2-dimethyl-, trans- | 112 | C8H16 | 006876-23-9 | 96 |
| 3 | Cyclohexane, 1,3-dimethyl-, trans- | 112 | C8H16 | 002207-03-6 | 87 |
| 4 | Cyclohexane, 1,2-dimethyl-, cis- | 112 | C8H16 | 002207-01-4 | 83 |
| 5 | Cyclohexane, 1,4-dimethyl-, cis- | 112 | C8H16 | 000624-29-3 | 74 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046887.D
Acq On : 03 Jul 2025 14:58
Operator : JC/MD
Sample : Q2503-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP3W

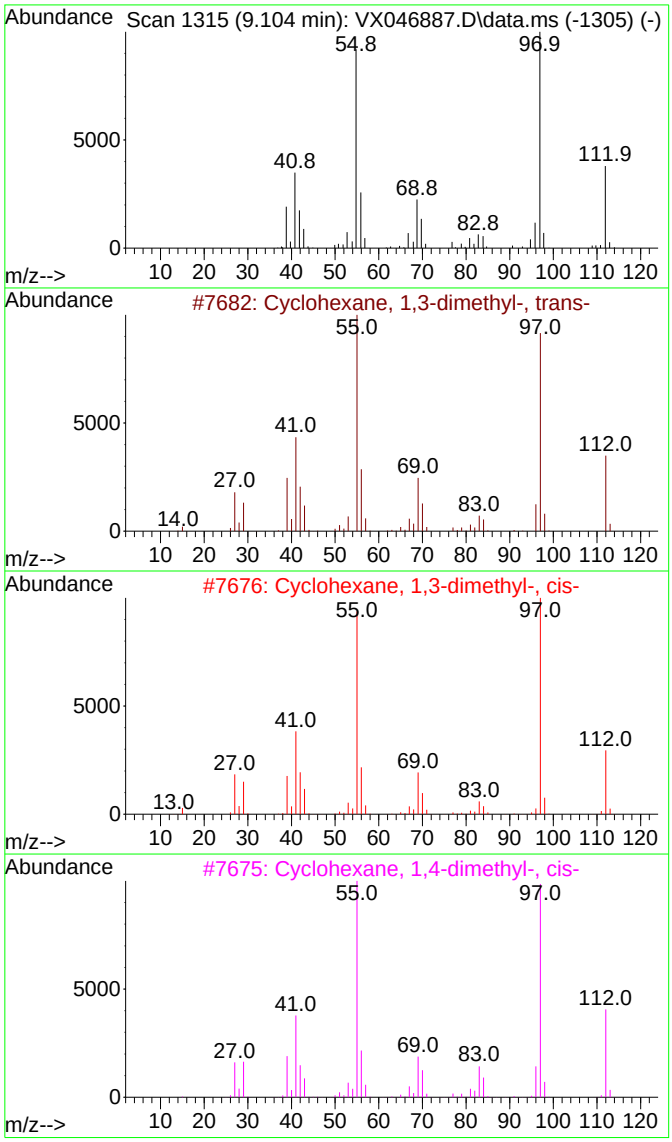
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

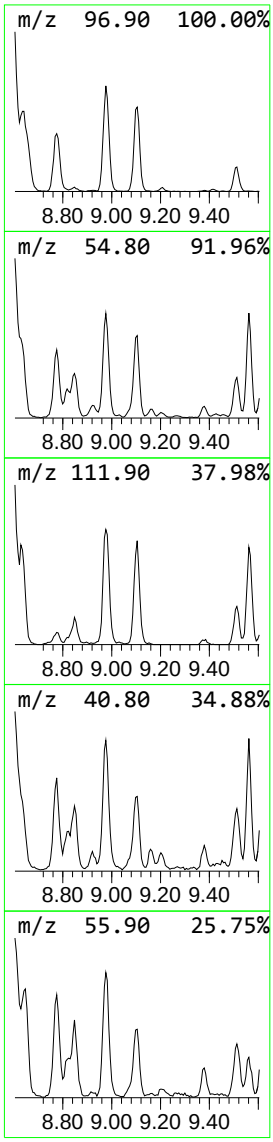
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 13 Cyclohexane, 1,3-dimethyl-,... Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.104 | 6.22 ug/l | 308262 | Chlorobenzene-d5 | 10.055 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, 1,3-dimethyl-, trans- | 112 | C8H16 | 002207-03-6 | 96 |
| 2 | Cyclohexane, 1,3-dimethyl-, cis- | 112 | C8H16 | 000638-04-0 | 94 |
| 3 | Cyclohexane, 1,4-dimethyl-, cis- | 112 | C8H16 | 000624-29-3 | 94 |
| 4 | Cyclohexane, 1,4-dimethyl- | 112 | C8H16 | 000589-90-2 | 94 |
| 5 | Cyclohexane, 1,4-dimethyl-, trans- | 112 | C8H16 | 002207-04-7 | 94 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046887.D
Acq On : 03 Jul 2025 14:58
Operator : JC/MD
Sample : Q2503-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP3W

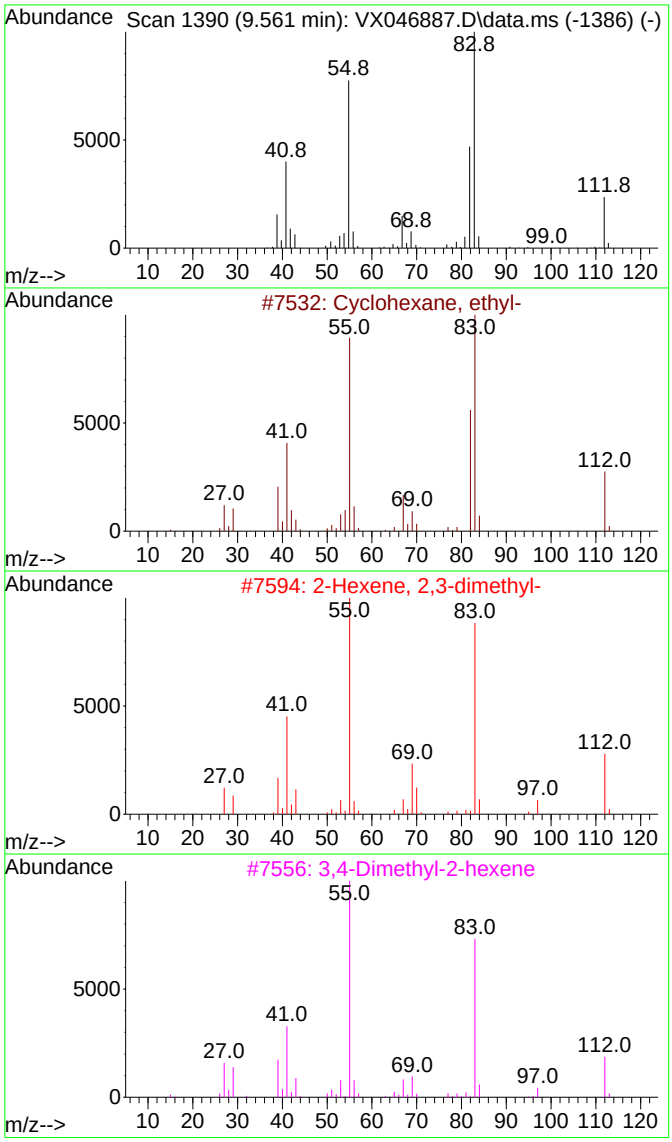
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

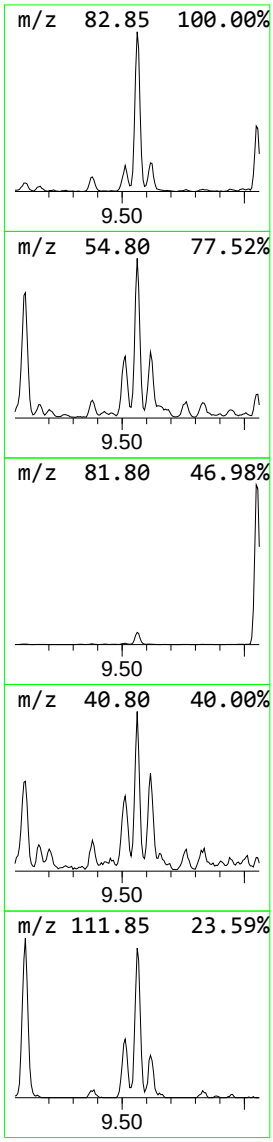
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 14 Cyclohexane, ethyl- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.561 | 6.45 ug/l | 319287 | Chlorobenzene-d5 | 10.055 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, ethyl- | 112 | C8H16 | 001678-91-7 | 95 |
| 2 | 2-Hexene, 2,3-dimethyl- | 112 | C8H16 | 007145-20-2 | 58 |
| 3 | 3,4-Dimethyl-2-hexene | 112 | C8H16 | 002213-37-8 | 58 |
| 4 | Oxalic acid, cyclohexyl dodecyl ... | 340 | C20H36O4 | 1000309-31-4 | 53 |
| 5 | 2-Pentene, 3-ethyl-2-methyl- | 112 | C8H16 | 019780-67-7 | 53 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046887.D
Acq On : 03 Jul 2025 14:58
Operator : JC/MD
Sample : Q2503-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP3W

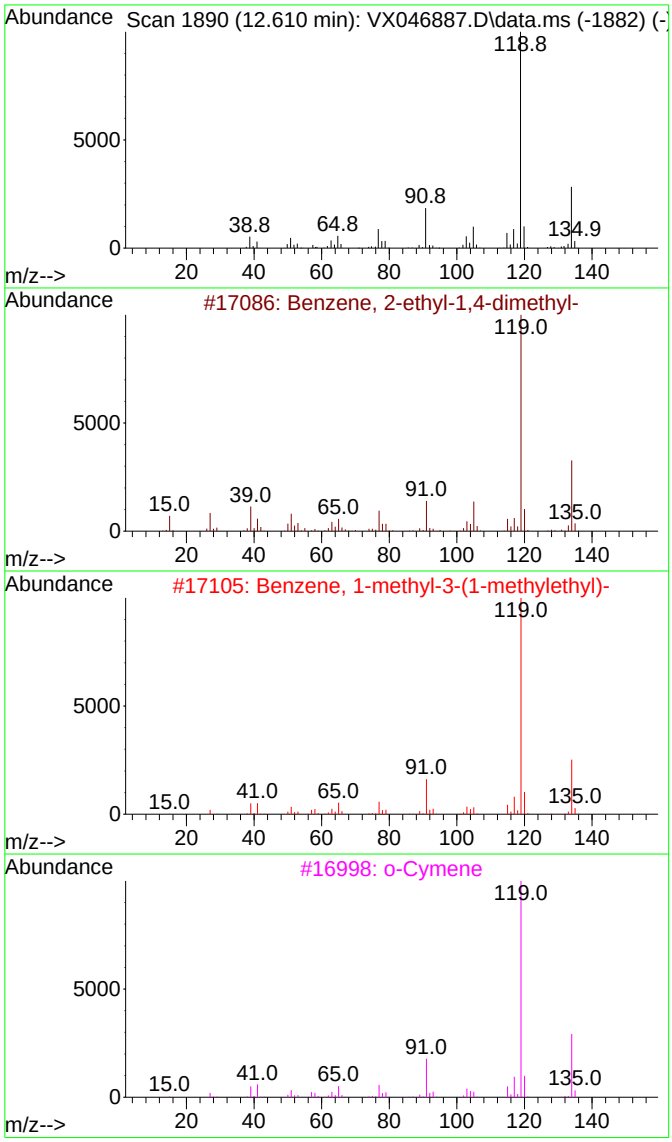
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

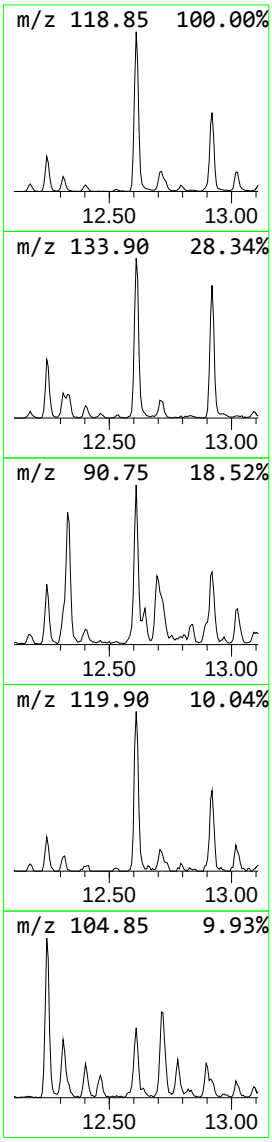
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 15 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.610 | 6.43 ug/l | 328364 | 1,4-Dichlorobenzene-d4 | 12.018 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 95 |
| 2 | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14 | 000535-77-3 | 94 |
| 3 | o-Cymene | 134 | C10H14 | 000527-84-4 | 94 |
| 4 | p-Cymene | 134 | C10H14 | 000099-87-6 | 93 |
| 5 | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14 | 000934-80-5 | 91 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046887.D
Acq On : 03 Jul 2025 14:58
Operator : JC/MD
Sample : Q2503-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP3W

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.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, 2,3-dim... | 2.800 | 8.1 | ug/l | 192344 | 1 | 5.562 | 1183250 | 50.0 |
| Pentane, 2-methyl- | 2.843 | 29.4 | ug/l | 696670 | 1 | 5.562 | 1183250 | 50.0 |
| Pentane, 3-methyl- | 3.117 | 25.4 | ug/l | 599952 | 1 | 5.562 | 1183250 | 50.0 |
| Cyclopentane, m... | 4.318 | 45.1 | ug/l | 1066290 | 1 | 5.562 | 1183250 | 50.0 |
| Hexane, 3-methyl- | 5.843 | 33.9 | ug/l | 801442 | 1 | 5.562 | 1183250 | 50.0 |
| Cyclopentane, 1... | 6.166 | 40.0 | ug/l | 946190 | 1 | 5.562 | 1183250 | 50.0 |
| Cyclopentane, 1... | 6.269 | 20.7 | ug/l | 924578 | 2 | 6.769 | 2232970 | 50.0 |
| Isopropylcyclob... | 6.367 | 26.0 | ug/l | 1160600 | 2 | 6.769 | 2232970 | 50.0 |
| Cyclopentane, e... | 7.659 | 9.0 | ug/l | 403305 | 2 | 6.769 | 2232970 | 50.0 |
| Cyclopentane, 1... | 7.781 | 6.2 | ug/l | 275286 | 2 | 6.769 | 2232970 | 50.0 |
| Cyclopentane, 1... | 7.958 | 10.6 | ug/l | 473873 | 2 | 6.769 | 2232970 | 50.0 |
| Cyclohexane, 1,... | 8.976 | 9.0 | ug/l | 447767 | 3 | 10.055 | 2476290 | 50.0 |
| Cyclohexane, 1,... | 9.104 | 6.2 | ug/l | 308262 | 3 | 10.055 | 2476290 | 50.0 |
| Cyclohexane, et... | 9.561 | 6.5 | ug/l | 319287 | 3 | 10.055 | 2476290 | 50.0 |
| Benzene, 2-ethy... | 12.610 | 6.4 | ug/l | 328364 | 4 | 12.018 | 2551460 | 50.0 |