LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031796.D
Acq On : 10 Jul 2025 12:41
Operator : SY/MD
Sample : Q2480-04
Misc : 7.35g/5mL/MSVOA_W/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
GPX4

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Title : SW846 8260

Signal : TIC: VW031796.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.082 | 188 | 196 | 206 | rVB2 | 37786 | 102711 | 1.12% | 0.204% |
| 2 | 3.436 | 247 | 254 | 267 | rBV3 | 52234 | 150371 | 1.64% | 0.299% |
| 3 | 4.990 | 490 | 509 | 540 | rVB8 | 81483 | 622381 | 6.79% | 1.236% |
| 4 | 5.472 | 573 | 588 | 611 | rBV3 | 52988 | 197680 | 2.16% | 0.393% |
| 5 | 5.972 | 657 | 670 | 688 | rBV2 | 105063 | 327986 | 3.58% | 0.651% |
| 6 | 6.319 | 717 | 727 | 740 | rVB | 80869 | 248811 | 2.71% | 0.494% |
| 7 | 6.459 | 740 | 750 | 759 | rBV3 | 39691 | 124529 | 1.36% | 0.247% |
| 8 | 6.752 | 789 | 798 | 814 | rVB2 | 65799 | 200203 | 2.18% | 0.398% |
| 9 | 7.008 | 829 | 840 | 850 | rBV2 | 288380 | 897547 | 9.79% | 1.783% |
| 10 | 7.715 | 948 | 956 | 965 | rBV | 224851 | 540474 | 5.89% | 1.073% |
| 11 | 7.904 | 976 | 987 | 990 | rBV2 | 166363 | 390289 | 4.26% | 0.775% |
| 12 | 7.965 | 991 | 997 | 1007 | rVB2 | 530834 | 1390633 | 15.16% | 2.762% |
| 13 | 8.173 | 1022 | 1031 | 1037 | rBV | 69999 | 167562 | 1.83% | 0.333% |
| 14 | 8.325 | 1048 | 1056 | 1069 | rVB2 | 195272 | 487267 | 5.31% | 0.968% |
| 15 | 8.465 | 1069 | 1079 | 1085 | rVV3 | 179979 | 532884 | 5.81% | 1.058% |
| 16 | 8.520 | 1085 | 1088 | 1094 | rVV2 | 91741 | 192820 | 2.10% | 0.383% |
| 17 | 8.587 | 1094 | 1099 | 1109 | rVB2 | 85728 | 203586 | 2.22% | 0.404% |
| 18 | 8.703 | 1109 | 1118 | 1131 | rVB2 | 106648 | 248985 | 2.71% | 0.495% |
| 19 | 8.849 | 1131 | 1142 | 1162 | rBV | 618468 | 1561832 | 17.03% | 3.102% |
| 20 | 9.124 | 1182 | 1187 | 1204 | rVB | 89764 | 206148 | 2.25% | 0.409% |
| 21 | 9.343 | 1206 | 1223 | 1239 | rBV2 | 588262 | 1451354 | 15.82% | 2.883% |
| 22 | 9.526 | 1246 | 1253 | 1259 | rBV | 63354 | 120412 | 1.31% | 0.239% |
| 23 | 9.691 | 1273 | 1280 | 1281 | rBV2 | 76436 | 133382 | 1.45% | 0.265% |
| 24 | 9.715 | 1281 | 1284 | 1288 | rVV2 | 96705 | 182905 | 1.99% | 0.363% |
| 25 | 9.764 | 1288 | 1292 | 1300 | rVB4 | 55240 | 114391 | 1.25% | 0.227% |
| 26 | 9.855 | 1300 | 1307 | 1312 | rBV | 221444 | 411256 | 4.48% | 0.817% |
| 27 | 9.910 | 1312 | 1316 | 1321 | rVV | 79386 | 134445 | 1.47% | 0.267% |
| 28 | 10.099 | 1339 | 1347 | 1356 | rBV3 | 52805 | 122122 | 1.33% | 0.243% |
| 29 | 10.209 | 1356 | 1365 | 1376 | rVB | 308837 | 590535 | 6.44% | 1.173% |
| 30 | 10.325 | 1376 | 1384 | 1390 | rBV | 773526 | 1445267 | 15.76% | 2.870% |
| 31 | 10.392 | 1390 | 1395 | 1402 | rVB | 211797 | 406601 | 4.43% | 0.808% |
| 32 | 10.508 | 1407 | 1414 | 1422 | rVV4 | 93390 | 214531 | 2.34% | 0.426% |
| 33 | 10.666 | 1436 | 1440 | 1447 | rBV | 56437 | 101437 | 1.11% | 0.201% |
| 34 | 10.751 | 1447 | 1454 | 1463 | rVB3 | 81765 | 206644 | 2.25% | 0.410% |
| 35 | 11.635 | 1591 | 1599 | 1605 | rBV | 674135 | 1151506 | 12.55% | 2.287% |
| 36 | 11.733 | 1605 | 1615 | 1623 | rVV | 5560683 | 9171855 | 100.00% | 18.216% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031796.D
Acq On : 10 Jul 2025 12:41
Operator : SY/MD
Sample : Q2480-04
Misc : 7.35g/5mL/MSVOA_W/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
GPX4

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 11.837 | 1623 | 1632 | 1643 | rVV | 3444520 | 6541480 | 71.32% | 12.992% |
| 38 | 12.166 | 1675 | 1686 | 1694 | rBV | 160495 | 315883 | 3.44% | 0.627% |
| 39 | 12.465 | 1729 | 1735 | 1741 | rBV | 355799 | 553431 | 6.03% | 1.099% |
| 40 | 12.617 | 1753 | 1760 | 1768 | rVB2 | 490643 | 831040 | 9.06% | 1.651% |
| 41 | 12.800 | 1783 | 1790 | 1795 | rBV | 516697 | 812086 | 8.85% | 1.613% |
| 42 | 12.867 | 1795 | 1801 | 1803 | rVV | 507836 | 837384 | 9.13% | 1.663% |
| 43 | 12.897 | 1803 | 1806 | 1809 | rVV | 474654 | 690372 | 7.53% | 1.371% |
| 44 | 12.940 | 1809 | 1813 | 1819 | rVB | 485030 | 728118 | 7.94% | 1.446% |
| 45 | 13.099 | 1832 | 1839 | 1847 | rBV | 463746 | 750303 | 8.18% | 1.490% |
| 46 | 13.245 | 1857 | 1863 | 1870 | rVB | 1295528 | 1946652 | 21.22% | 3.866% |
| 47 | 13.580 | 1908 | 1918 | 1928 | rBV2 | 1784349 | 3826573 | 41.72% | 7.600% |
| 48 | 13.714 | 1934 | 1940 | 1941 | rBV | 107571 | 135821 | 1.48% | 0.270% |
| 49 | 13.751 | 1941 | 1946 | 1961 | rVB | 1367374 | 2556653 | 27.87% | 5.078% |
| 50 | 13.940 | 1971 | 1977 | 1983 | rVB2 | 125646 | 216412 | 2.36% | 0.430% |
| 51 | 14.007 | 1983 | 1988 | 1991 | rBV | 75716 | 124924 | 1.36% | 0.248% |
| 52 | 14.092 | 1997 | 2002 | 2007 | rVB | 263505 | 401737 | 4.38% | 0.798% |
| 53 | 14.153 | 2007 | 2012 | 2015 | rBV | 86915 | 130442 | 1.42% | 0.259% |
| 54 | 14.202 | 2015 | 2020 | 2028 | rVB2 | 389663 | 623469 | 6.80% | 1.238% |
| 55 | 14.330 | 2035 | 2041 | 2047 | rBV2 | 97505 | 158045 | 1.72% | 0.314% |
| 56 | 14.409 | 2047 | 2054 | 2058 | rBV | 139260 | 229940 | 2.51% | 0.457% |
| 57 | 14.684 | 2094 | 2099 | 2105 | rBV | 223858 | 349778 | 3.81% | 0.695% |
| 58 | 14.806 | 2110 | 2119 | 2124 | rBV2 | 421503 | 840056 | 9.16% | 1.668% |
| 59 | 14.952 | 2137 | 2143 | 2149 | rBV2 | 104988 | 169736 | 1.85% | 0.337% |
| 60 | 15.055 | 2149 | 2160 | 2164 | rBV3 | 57997 | 136559 | 1.49% | 0.271% |
| 61 | 15.171 | 2172 | 2179 | 2186 | rVB3 | 55521 | 132132 | 1.44% | 0.262% |
| 62 | 15.360 | 2202 | 2210 | 2220 | rVB | 701697 | 1258063 | 13.72% | 2.499% |
| 63 | 16.433 | 2378 | 2386 | 2399 | rVB | 85692 | 191718 | 2.09% | 0.381% |
| 64 | 16.634 | 2410 | 2419 | 2429 | rVB2 | 45511 | 107356 | 1.17% | 0.213% |

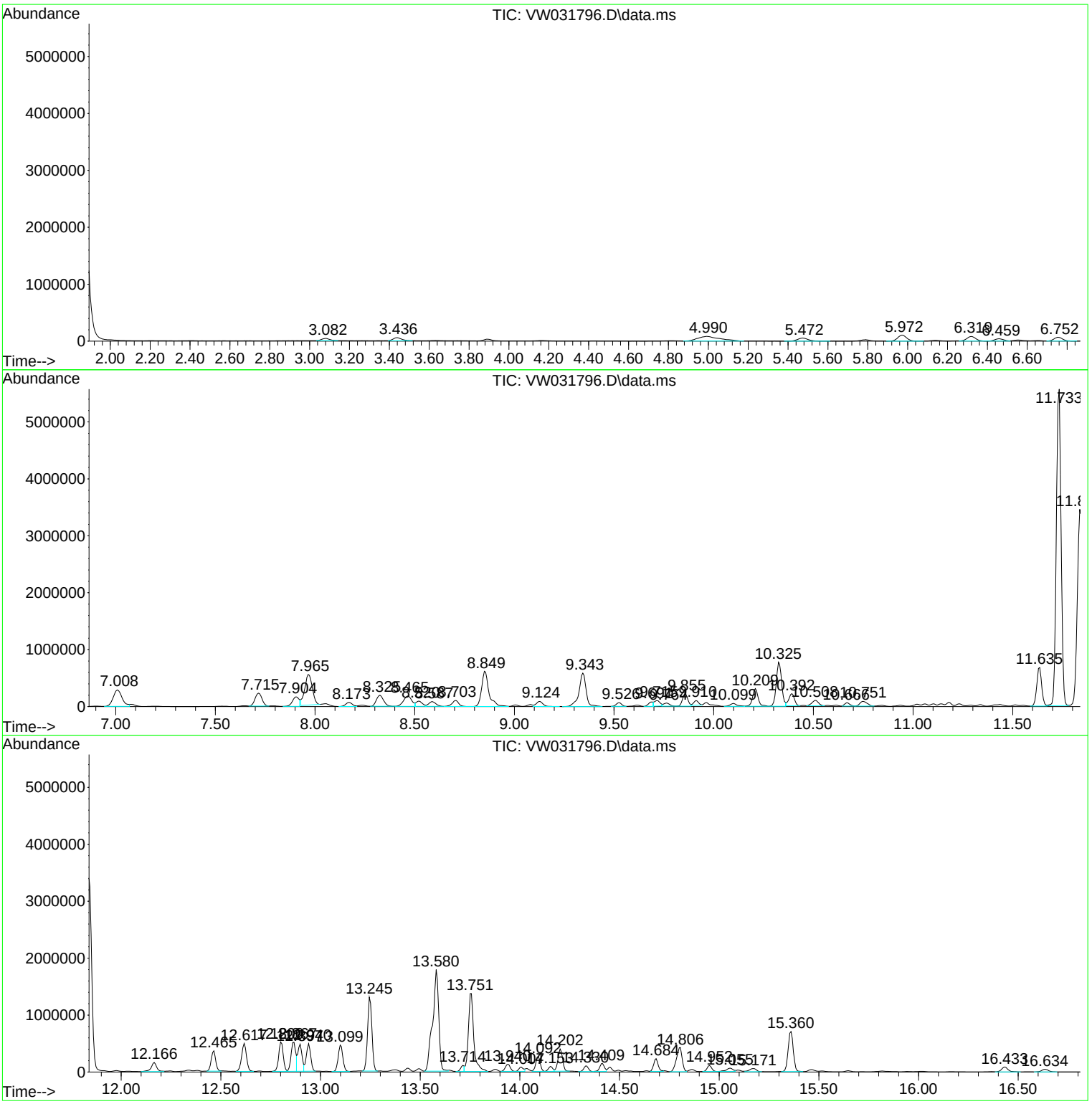
Sum of corrected areas: 50349505

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031796.D
Acq On : 10 Jul 2025 12:41
Operator : SY/MD
Sample : Q2480-04
Misc : 7.35g/5mL/MSVOA_W/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
GPX4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031796.D
Acq On : 10 Jul 2025 12:41
Operator : SY/MD
Sample : Q2480-04
Misc : 7.35g/5mL/MSVOA_W/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
GPX4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

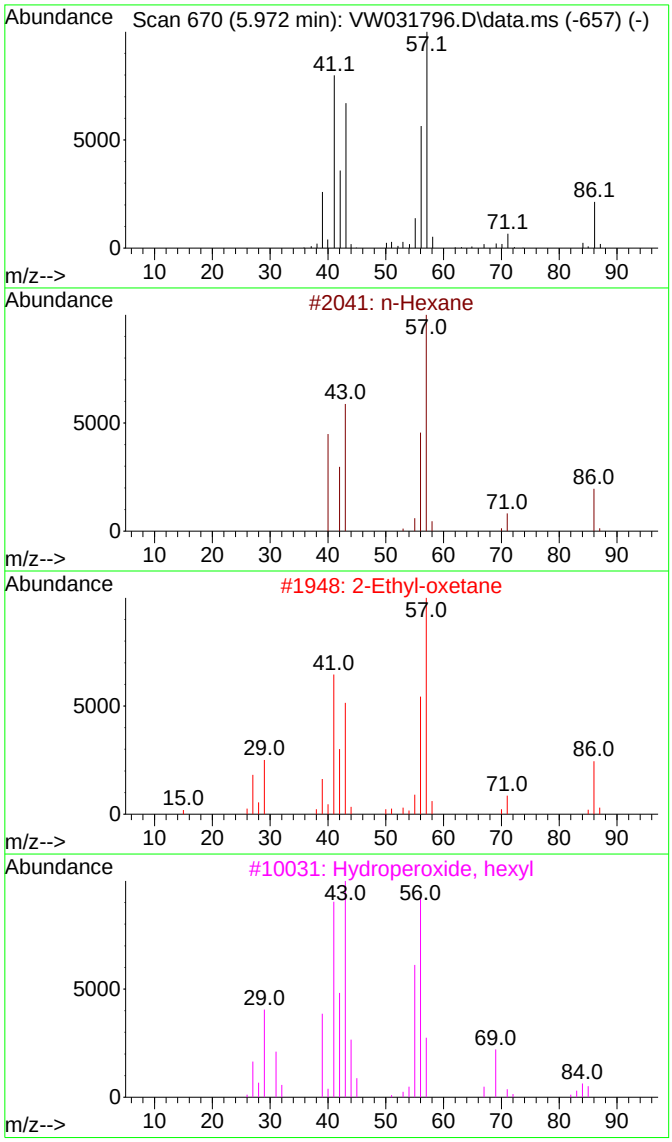
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

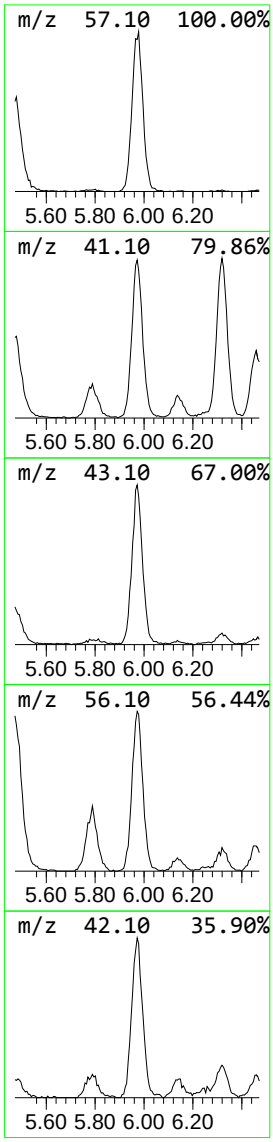
**********

Peak Number 1 n-Hexane Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.972 | 11.79 ug/l | 327986 | Pentafluorobenzene | 7.965 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexane | 86 | C6H14 | 000110-54-3 | 72 |
| 2 | 2-Ethyl-oxetane | 86 | C5H10O | 1010386-40-2 | 50 |
| 3 | Hydroperoxide, hexyl | 118 | C6H14O2 | 004312-76-9 | 38 |
| 4 | Butanal, 2-methyl- | 86 | C5H10O | 000096-17-3 | 38 |
| 5 | Pentane, 2,2,3,4-tetramethyl- | 128 | C9H20 | 001186-53-4 | 37 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031796.D
Acq On : 10 Jul 2025 12:41
Operator : SY/MD
Sample : Q2480-04
Misc : 7.35g/5mL/MSVOA_W/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
GPX4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

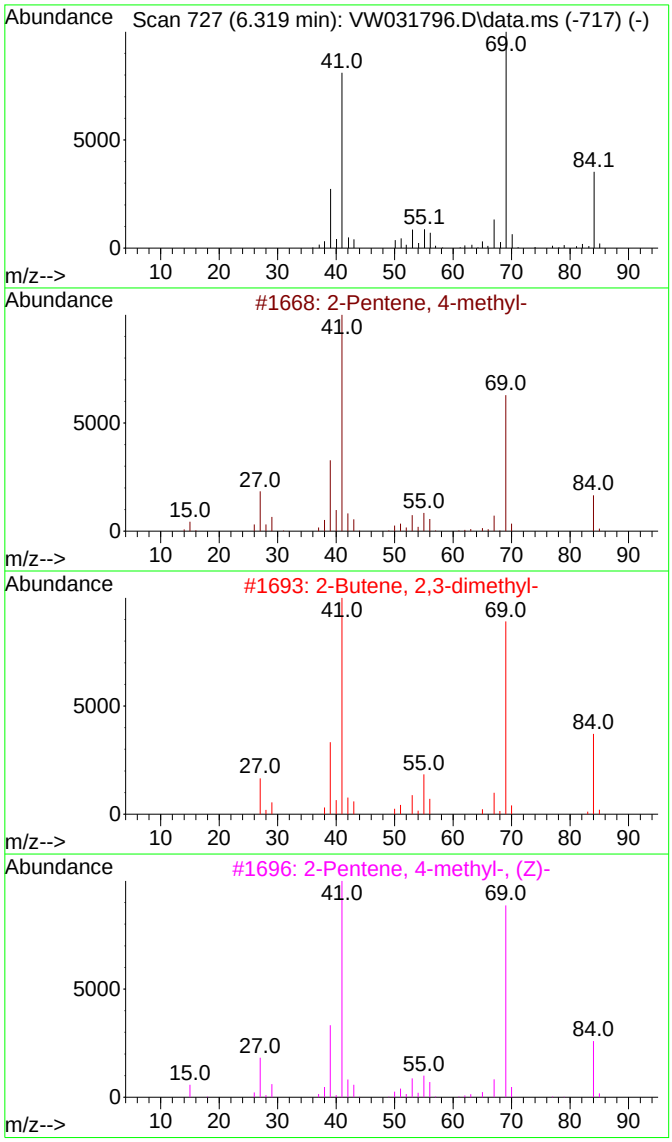
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

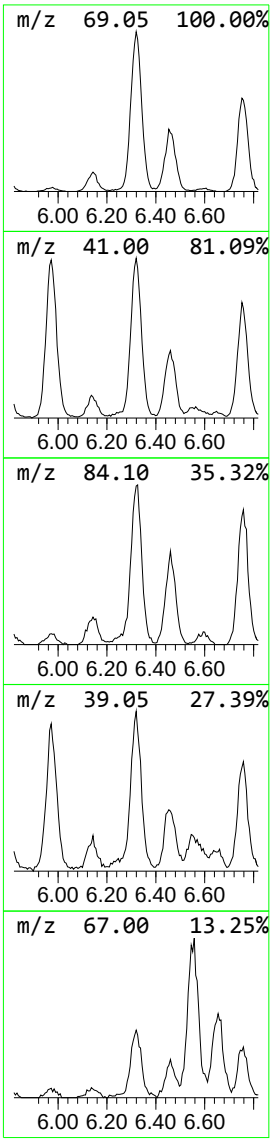
**********

Peak Number 2 2-Pentene, 4-methyl- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.319 | 8.95 ug/l | 248811 | Pentafluorobenzene | 7.965 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentene, 4-methyl- | 84 | C6H12 | 004461-48-7 | 91 |
| 2 | 2-Butene, 2,3-dimethyl- | 84 | C6H12 | 000563-79-1 | 87 |
| 3 | 2-Pentene, 4-methyl-, (Z)- | 84 | C6H12 | 000691-38-3 | 86 |
| 4 | 1-Butene, 3,3-dimethyl- | 84 | C6H12 | 000558-37-2 | 86 |
| 5 | 1-Butene, 2,3-dimethyl- | 84 | C6H12 | 000563-78-0 | 86 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031796.D
Acq On : 10 Jul 2025 12:41
Operator : SY/MD
Sample : Q2480-04
Misc : 7.35g/5mL/MSVOA_W/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
GPX4

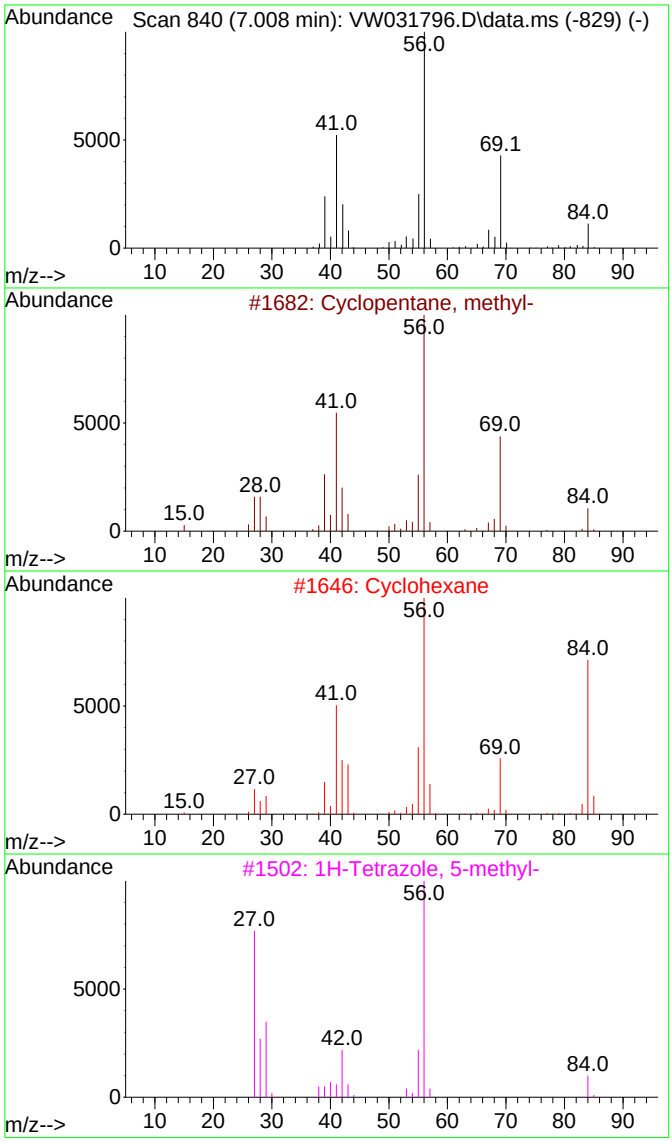
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

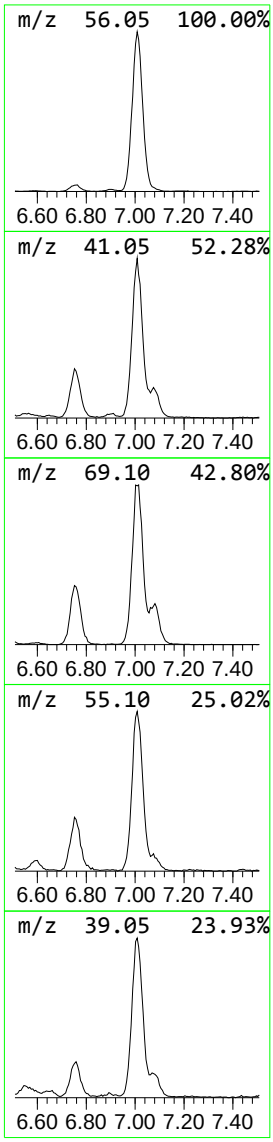
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 Cyclopentane, methyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.008 | 32.27 ug/l | 897547 | Pentafluorobenzene | 7.965 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, methyl- | 84 | C6H12 | 000096-37-7 | 91 |
| 2 | Cyclohexane | 84 | C6H12 | 000110-82-7 | 78 |
| 3 | 1H-Tetrazole, 5-methyl- | 84 | C2H4N4 | 004076-36-2 | 72 |
| 4 | Cyclobutane, ethyl- | 84 | C6H12 | 004806-61-5 | 72 |
| 5 | Cyclobutane | 56 | C4H8 | 000287-23-0 | 53 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031796.D
Acq On : 10 Jul 2025 12:41
Operator : SY/MD
Sample : Q2480-04
Misc : 7.35g/5mL/MSVOA_W/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
GPX4

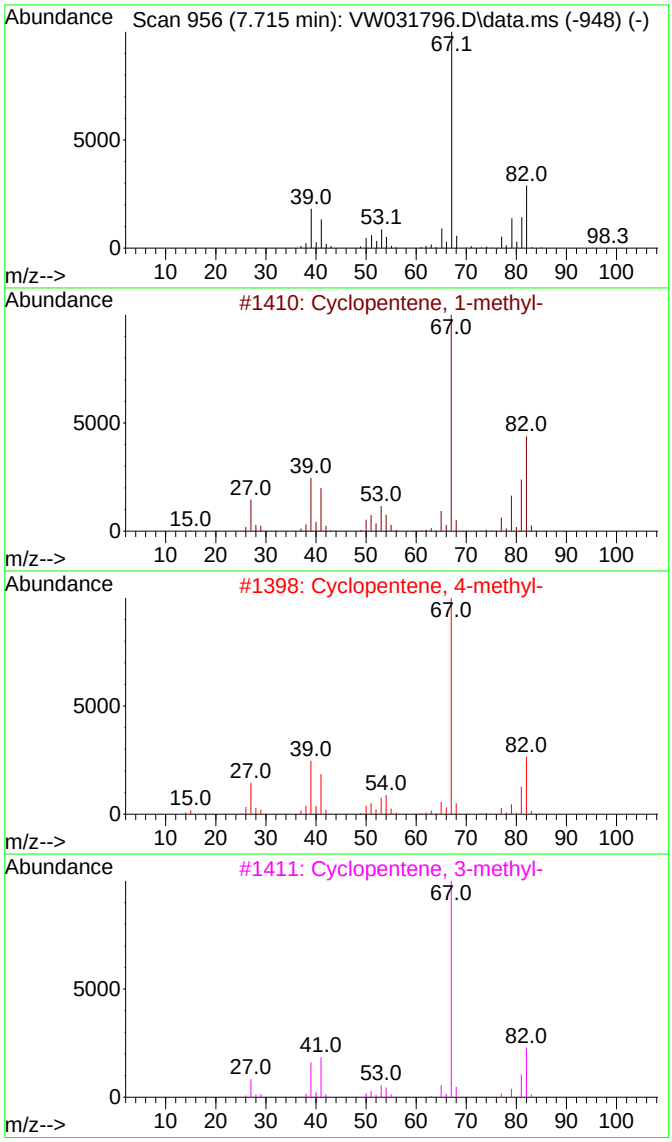
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

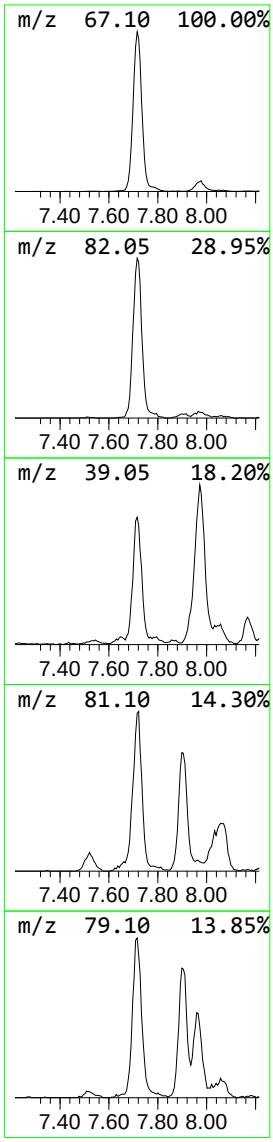
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 Cyclopentene, 1-methyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.715 | 19.43 ug/l | 540474 | Pentafluorobenzene | 7.965 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentene, 1-methyl- | 82 | C6H10 | 000693-89-0 | 87 |
| 2 | Cyclopentene, 4-methyl- | 82 | C6H10 | 001759-81-5 | 87 |
| 3 | Cyclopentene, 3-methyl- | 82 | C6H10 | 001120-62-3 | 86 |
| 4 | 1,4-Hexadiene, (Z)- | 82 | C6H10 | 007318-67-4 | 80 |
| 5 | 1,4-Pentadiene, 3-methyl- | 82 | C6H10 | 001115-08-8 | 80 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031796.D
Acq On : 10 Jul 2025 12:41
Operator : SY/MD
Sample : Q2480-04
Misc : 7.35g/5mL/MSVOA_W/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
GPX4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

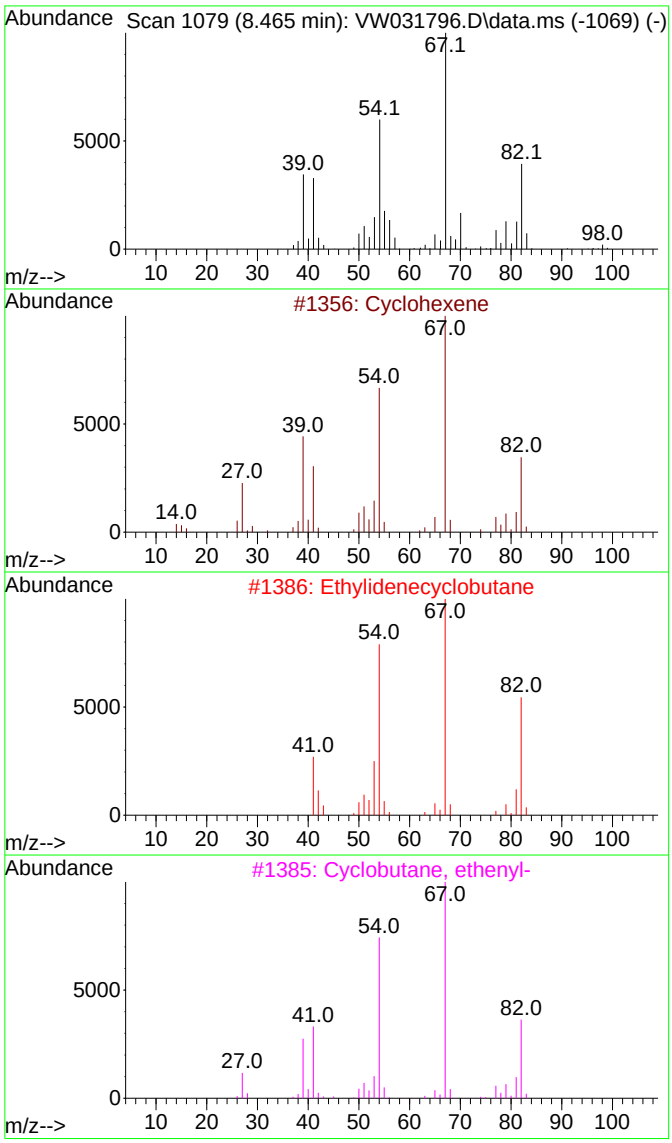
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

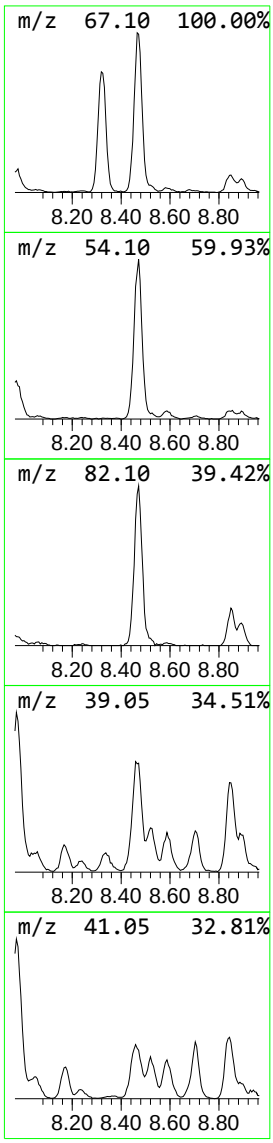
**********

Peak Number 5 Cyclohexene Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.465 | 17.06 ug/l | 532884 | 1,4-Difluorobenzene | 8.855 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexene | 82 | C6H10 | 000110-83-8 | 87 |
| 2 | Ethylidenecyclobutane | 82 | C6H10 | 001528-21-8 | 87 |
| 3 | Cyclobutane, ethenyl- | 82 | C6H10 | 002597-49-1 | 83 |
| 4 | C2H5CH=CHCH=CH2 | 82 | C6H10 | 000592-48-3 | 70 |
| 5 | 2,4-Hexadiene, (E,Z)- | 82 | C6H10 | 005194-50-3 | 70 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031796.D
Acq On : 10 Jul 2025 12:41
Operator : SY/MD
Sample : Q2480-04
Misc : 7.35g/5mL/MSVOA_W/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
GPX4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

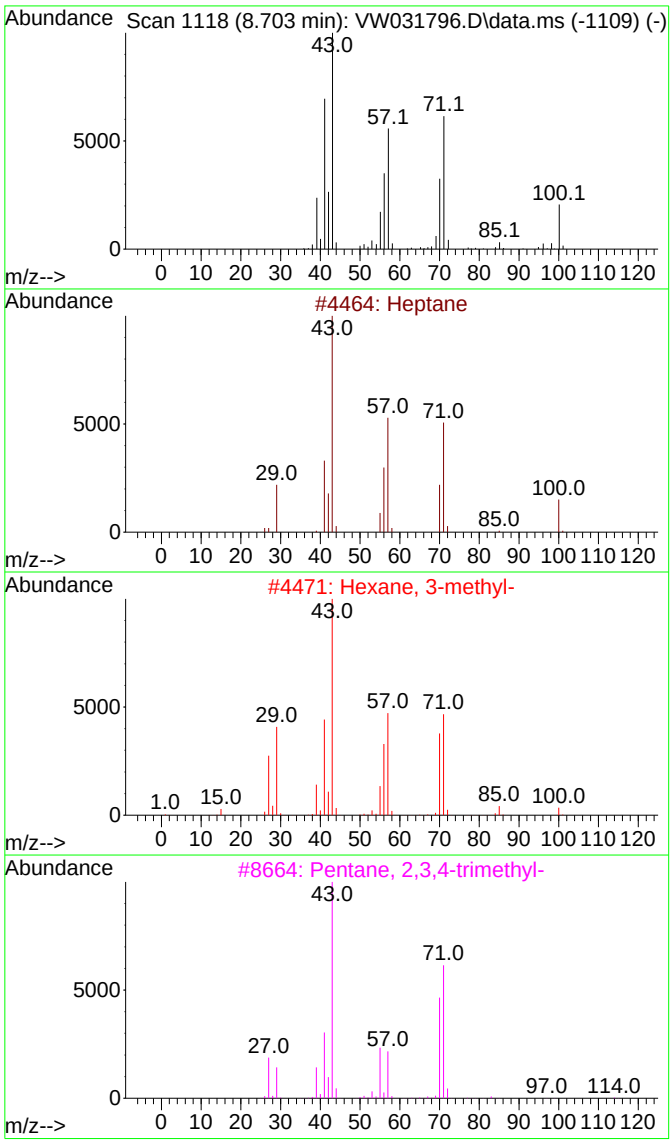
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

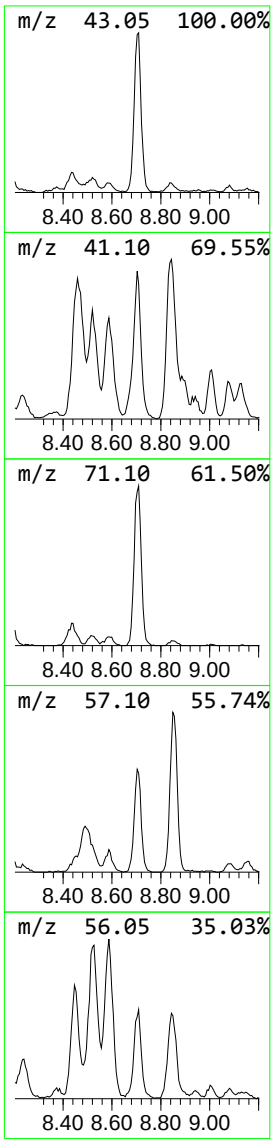
**********

Peak Number 6 Heptane Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.703 | 7.97 ug/l | 248985 | 1,4-Difluorobenzene | 8.855 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptane | 100 | C7H16 | 000142-82-5 | 91 |
| 2 | Hexane, 3-methyl- | 100 | C7H16 | 000589-34-4 | 59 |
| 3 | Pentane, 2,3,4-trimethyl- | 114 | C8H18 | 000565-75-3 | 50 |
| 4 | Acetaldehyde, propylhydrazone | 100 | C5H12N2 | 007422-88-0 | 38 |
| 5 | 1-Hexene, 3,4,5-trimethyl- | 126 | C9H18 | 056728-10-0 | 38 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031796.D
Acq On : 10 Jul 2025 12:41
Operator : SY/MD
Sample : Q2480-04
Misc : 7.35g/5mL/MSVOA_W/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
GPX4

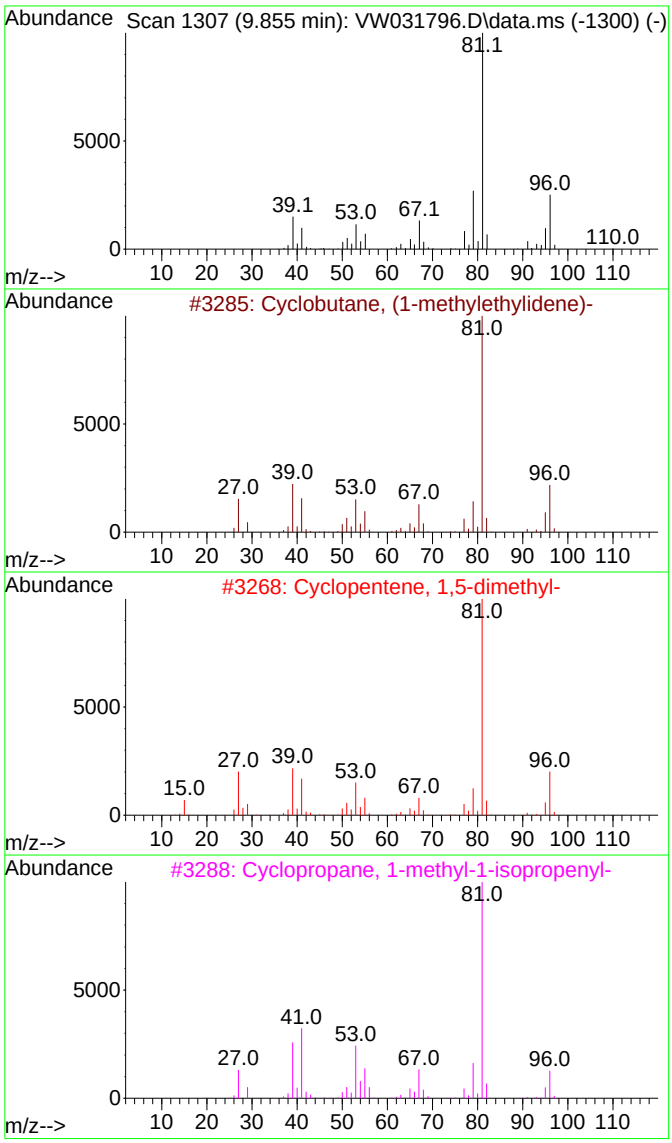
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

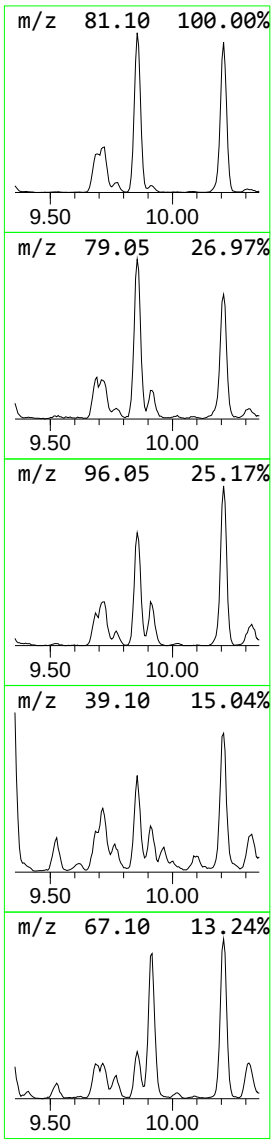
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 Cyclobutane, (1-methylethyl... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.855 | 13.17 ug/l | 411256 | 1,4-Difluorobenzene | 8.855 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclobutane, (1-methylethylidene)- | 96 | C7H12 | 001528-22-9 | 90 |
| 2 | Cyclopentene, 1,5-dimethyl- | 96 | C7H12 | 016491-15-9 | 90 |
| 3 | Cyclopropane, 1-methyl-1-isoprop... | 96 | C7H12 | 003422-07-9 | 86 |
| 4 | 3,5-Dimethylcyclopentene | 96 | C7H12 | 007459-71-4 | 86 |
| 5 | 1,4-Pentadiene, 3,3-dimethyl- | 96 | C7H12 | 001112-35-2 | 72 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031796.D
Acq On : 10 Jul 2025 12:41
Operator : SY/MD
Sample : Q2480-04
Misc : 7.35g/5mL/MSVOA_W/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
GPX4

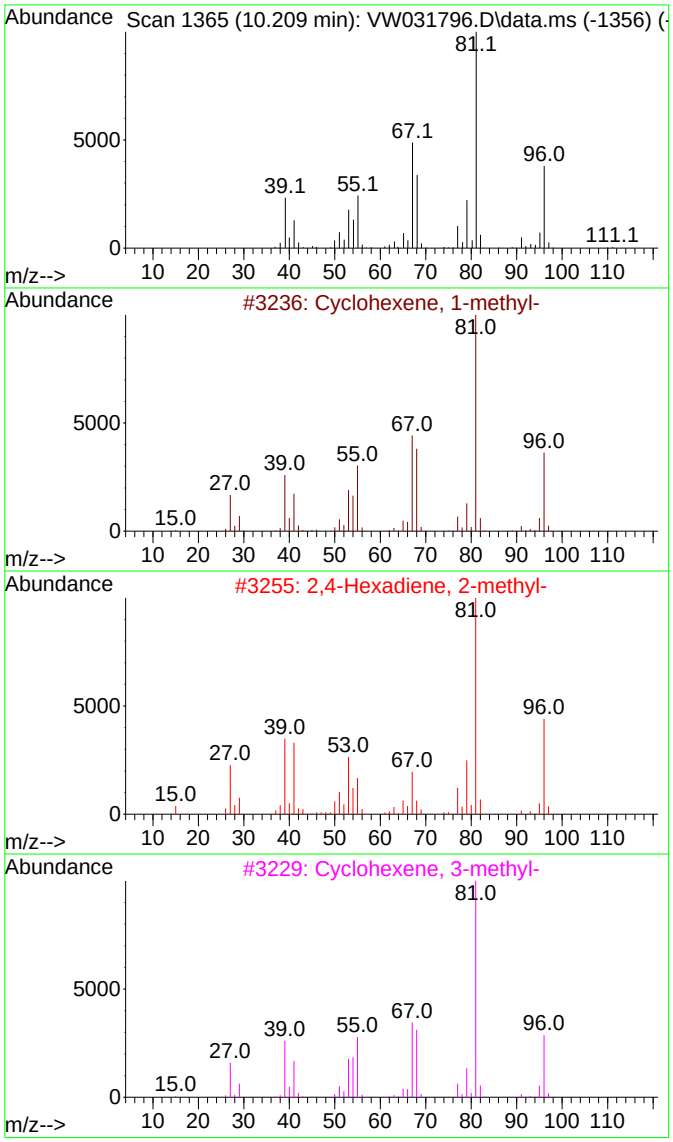
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

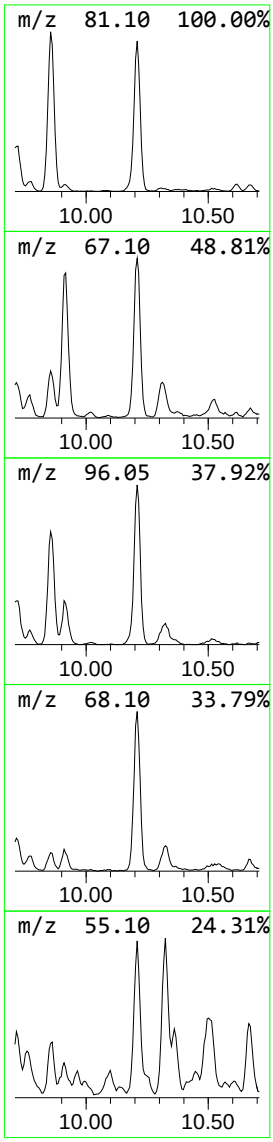
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 8 Cyclohexene, 1-methyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.209 | 18.91 ug/l | 590535 | 1,4-Difluorobenzene | 8.855 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexene, 1-methyl- | 96 | C7H12 | 000591-49-1 | 94 |
| 2 | 2,4-Hexadiene, 2-methyl- | 96 | C7H12 | 028823-41-8 | 93 |
| 3 | Cyclohexene, 3-methyl- | 96 | C7H12 | 000591-48-0 | 90 |
| 4 | Cyclohexene, 4-methyl- | 96 | C7H12 | 000591-47-9 | 87 |
| 5 | 2,4-Hexadiene, 3-methyl- | 96 | C7H12 | 028823-42-9 | 76 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031796.D
Acq On : 10 Jul 2025 12:41
Operator : SY/MD
Sample : Q2480-04
Misc : 7.35g/5mL/MSVOA_W/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
GPX4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

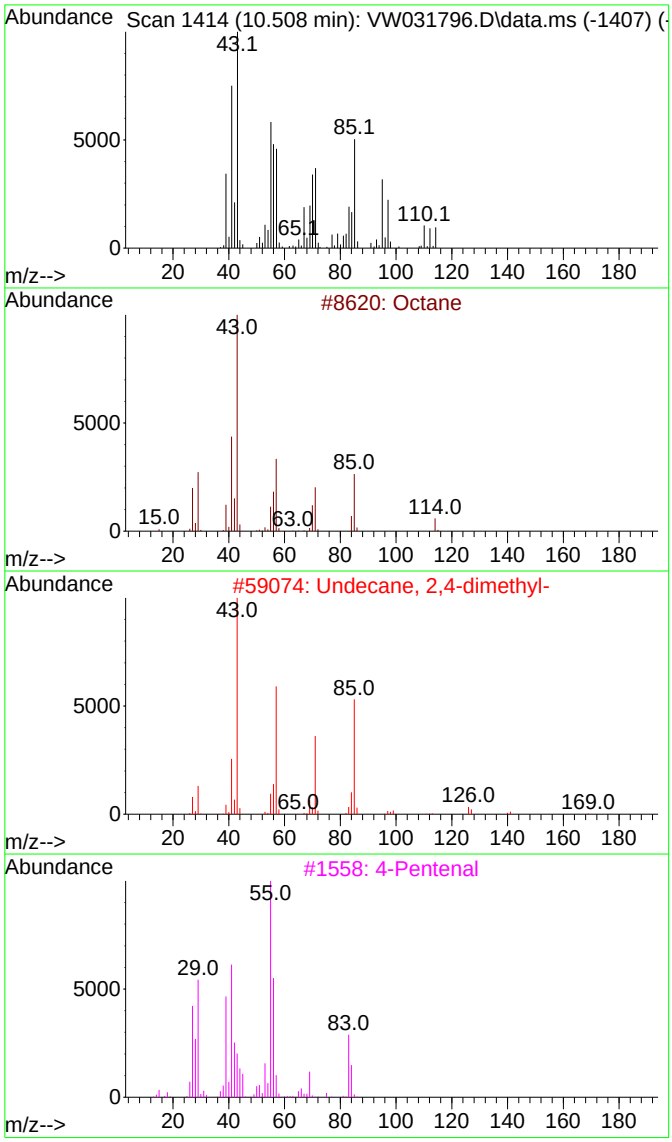
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

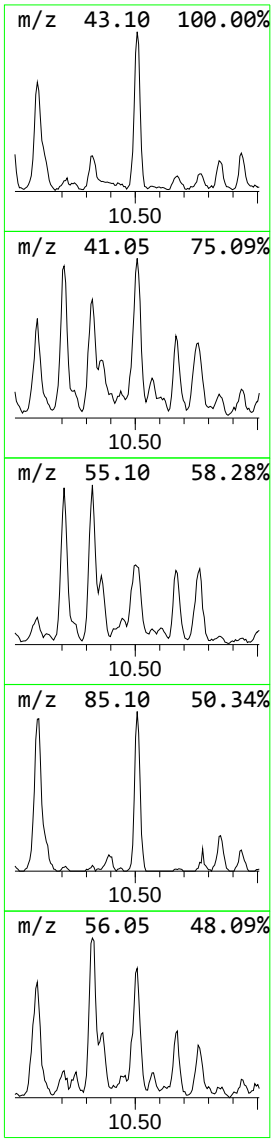
**********

Peak Number 9 unknown10.508 Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.508 | 9.32 ug/l | 214531 | Chlorobenzene-d5 | 11.635 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octane | 114 | C8H18 | 000111-65-9 | 43 |
| 2 | Undecane, 2,4-dimethyl- | 184 | C13H28 | 017312-80-0 | 27 |
| 3 | 4-Pentenal | 84 | C5H8O | 002100-17-6 | 25 |
| 4 | Cycloheptane, methyl- | 112 | C8H16 | 004126-78-7 | 18 |
| 5 | 2-Octene, (E)- | 112 | C8H16 | 013389-42-9 | 18 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031796.D
Acq On : 10 Jul 2025 12:41
Operator : SY/MD
Sample : Q2480-04
Misc : 7.35g/5mL/MSVOA_W/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
GPX4

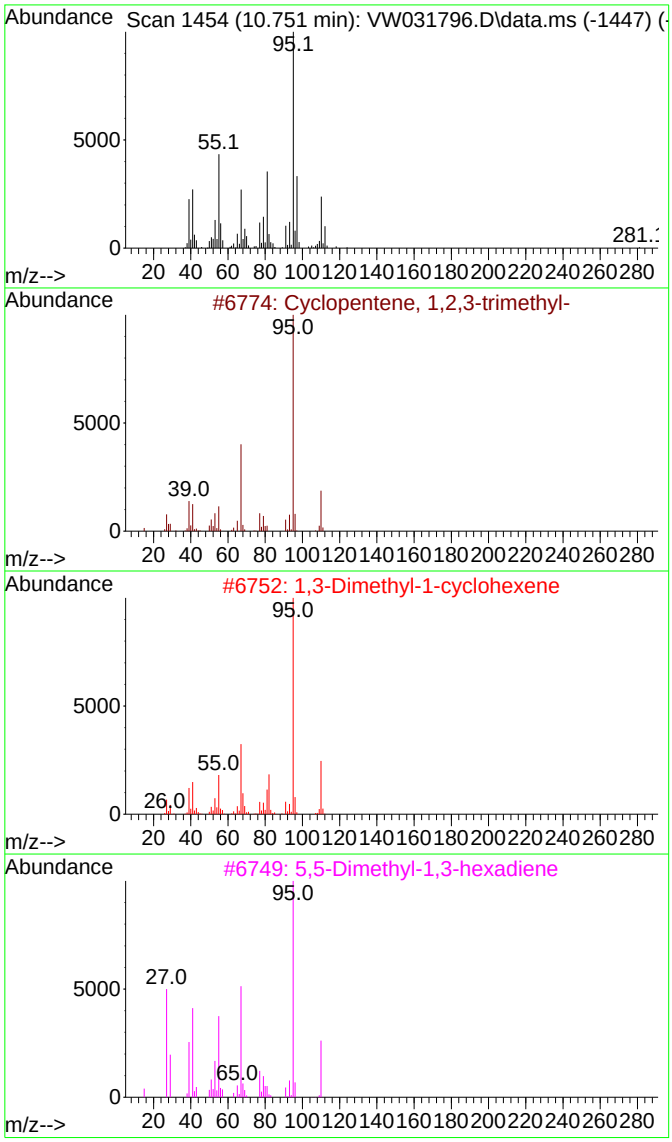
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

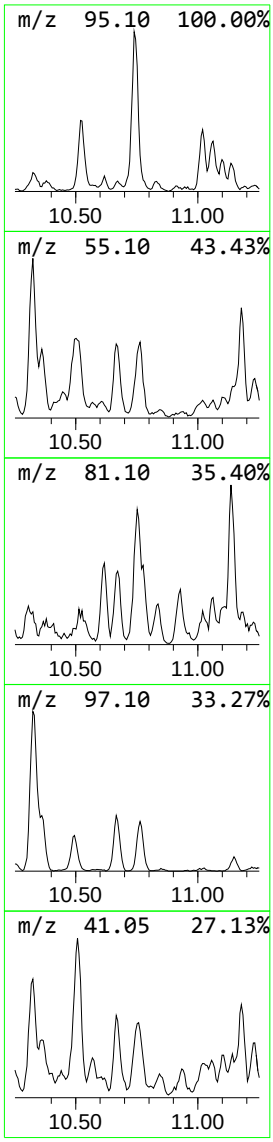
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 10 Cyclopentene, 1,2,3-trimethyl- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.751 | 8.97 ug/l | 206644 | Chlorobenzene-d5 | 11.635 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentene, 1,2,3-trimethyl- | 110 | C8H14 | 000473-91-6 | 70 |
| 2 | 1,3-Dimethyl-1-cyclohexene | 110 | C8H14 | 002808-76-6 | 68 |
| 3 | 5,5-Dimethyl-1,3-hexadiene | 110 | C8H14 | 001515-79-3 | 58 |
| 4 | 1,4-Hexadiene, 2,3-dimethyl- | 110 | C8H14 | 018669-52-8 | 53 |
| 5 | 1,4-Pentadiene, 2,3,3-trimethyl- | 110 | C8H14 | 000756-02-5 | 53 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031796.D
Acq On : 10 Jul 2025 12:41
Operator : SY/MD
Sample : Q2480-04
Misc : 7.35g/5mL/MSVOA_W/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
GPX4

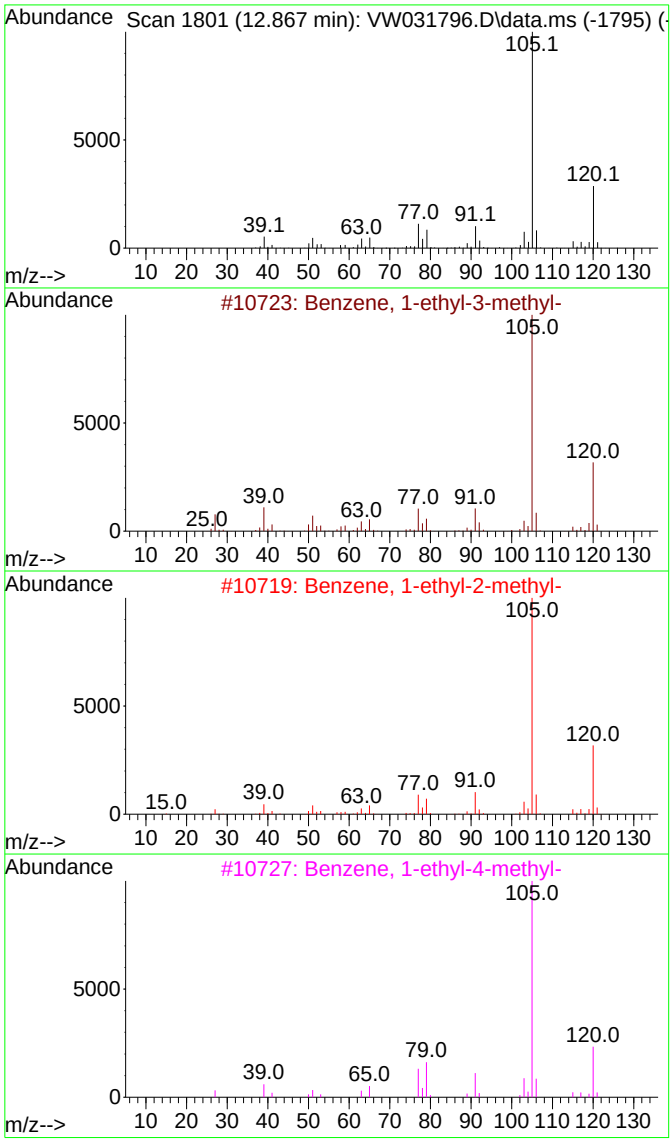
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

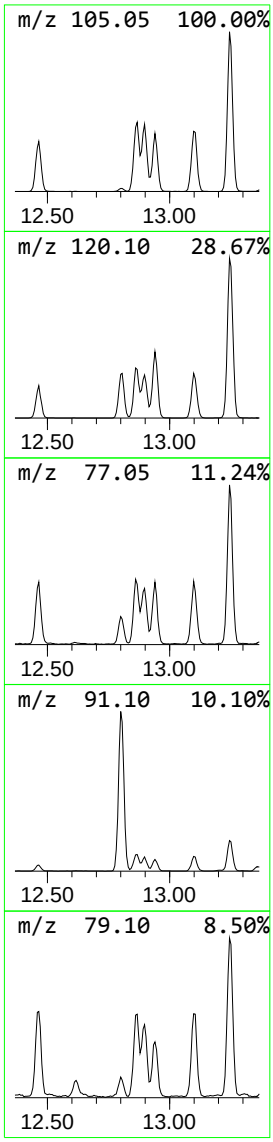
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 11 Benzene, 1-ethyl-3-methyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.867 | 10.94 ug/l | 837384 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 95 |
| 2 | Benzene, 1-ethyl-2-methyl- | 120 | C9H12 | 000611-14-3 | 95 |
| 3 | Benzene, 1-ethyl-4-methyl- | 120 | C9H12 | 000622-96-8 | 94 |
| 4 | Mesitylene | 120 | C9H12 | 000108-67-8 | 91 |
| 5 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 91 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031796.D
Acq On : 10 Jul 2025 12:41
Operator : SY/MD
Sample : Q2480-04
Misc : 7.35g/5mL/MSVOA_W/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
GPX4

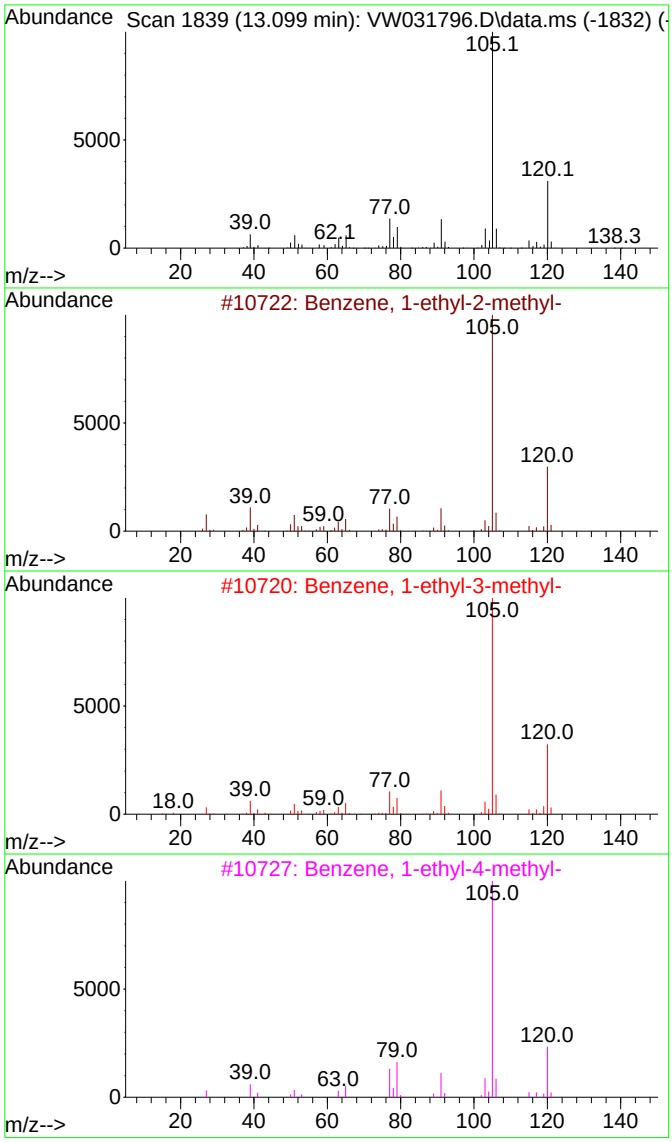
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

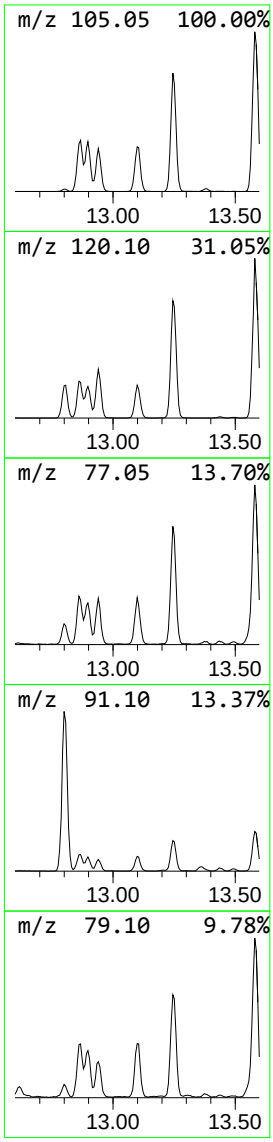
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 12 Benzene, 1-ethyl-2-methyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.099 | 9.80 ug/l | 750303 | 1,4-Dichlorobenzene-d4 | 13.556 |

| 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-3-methyl- | 120 | C9H12 | 000620-14-4 | 94 |
| 3 | Benzene, 1-ethyl-4-methyl- | 120 | C9H12 | 000622-96-8 | 93 |
| 4 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 91 |
| 5 | Mesitylene | 120 | C9H12 | 000108-67-8 | 91 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031796.D
Acq On : 10 Jul 2025 12:41
Operator : SY/MD
Sample : Q2480-04
Misc : 7.35g/5mL/MSVOA_W/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
GPX4

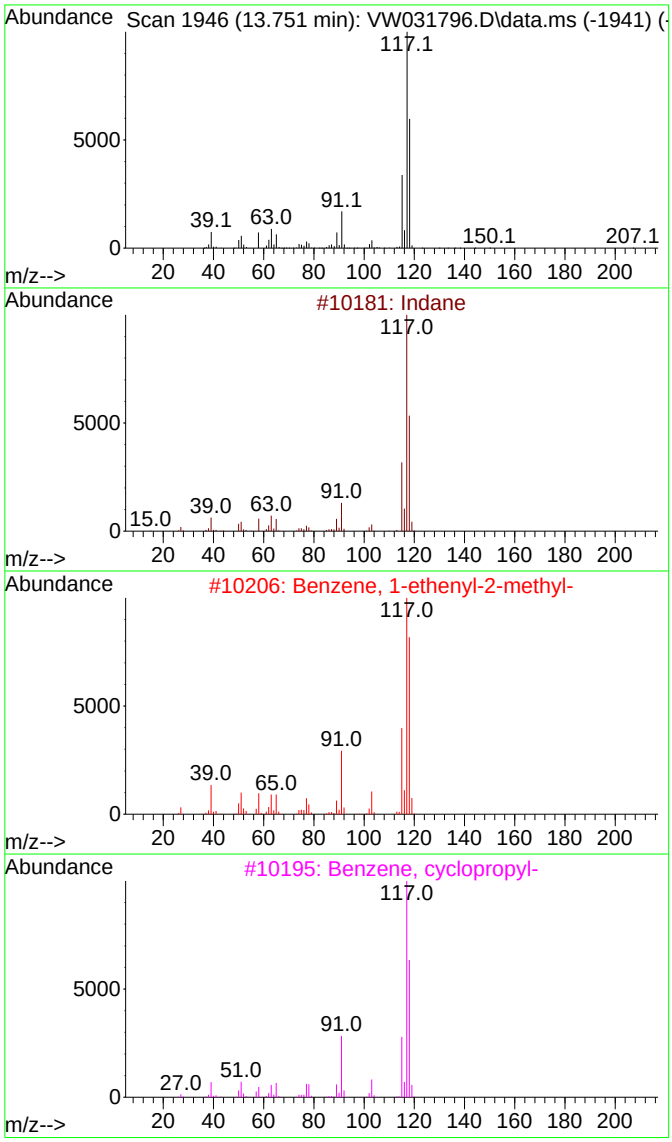
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

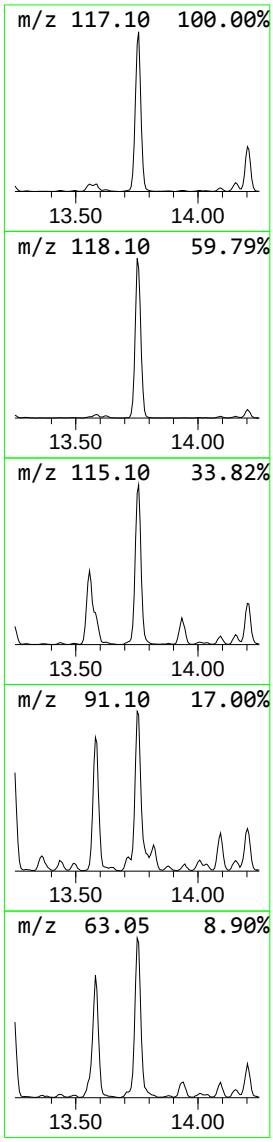
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 13 Indane Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.751 | 33.41 ug/l | 2556650 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indane | 118 | C9H10 | 000496-11-7 | 91 |
| 2 | Benzene, 1-ethenyl-2-methyl- | 118 | C9H10 | 000611-15-4 | 81 |
| 3 | Benzene, cyclopropyl- | 118 | C9H10 | 000873-49-4 | 64 |
| 4 | 7-Methylenecycloocta-1,3,5-triene | 118 | C9H10 | 002570-13-0 | 59 |
| 5 | Benzene, 1,1'-(1,5-hexadiene-1,6... | 234 | C18H18 | 004439-45-6 | 59 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031796.D
Acq On : 10 Jul 2025 12:41
Operator : SY/MD
Sample : Q2480-04
Misc : 7.35g/5mL/MSVOA_W/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
GPX4

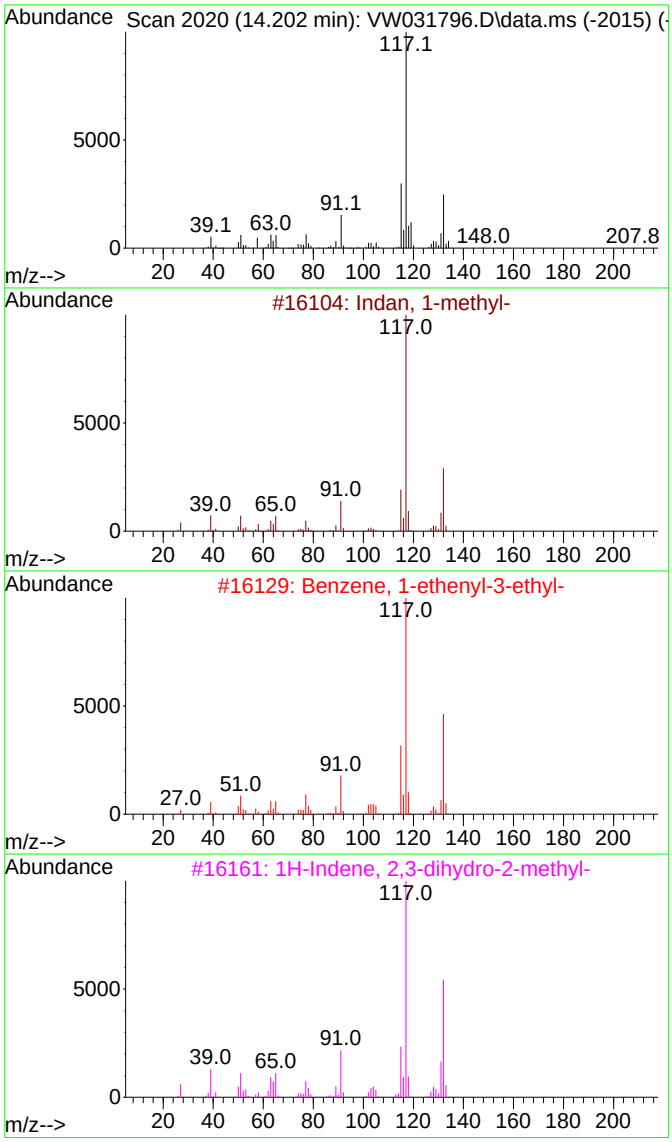
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

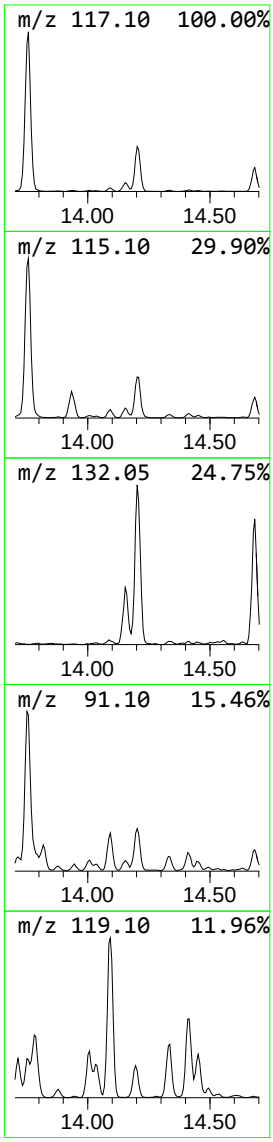
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 14 Indan, 1-methyl- Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.202 | 8.15 ug/l | 623469 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indan, 1-methyl- | 132 | C10H12 | 000767-58-8 | 87 |
| 2 | Benzene, 1-ethenyl-3-ethyl- | 132 | C10H12 | 007525-62-4 | 87 |
| 3 | 1H-Indene, 2,3-dihydro-2-methyl- | 132 | C10H12 | 000824-63-5 | 83 |
| 4 | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12 | 001587-04-8 | 83 |
| 5 | Benzene, 2-butenyl- | 132 | C10H12 | 001560-06-1 | 83 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031796.D
Acq On : 10 Jul 2025 12:41
Operator : SY/MD
Sample : Q2480-04
Misc : 7.35g/5mL/MSVOA_W/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
GPX4

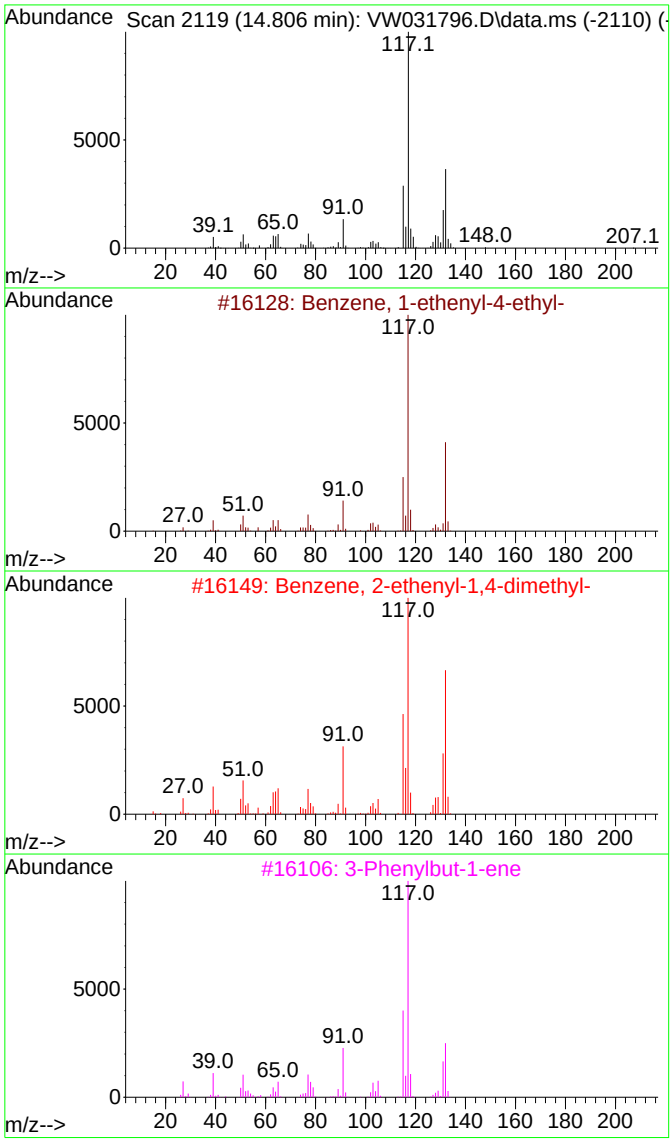
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

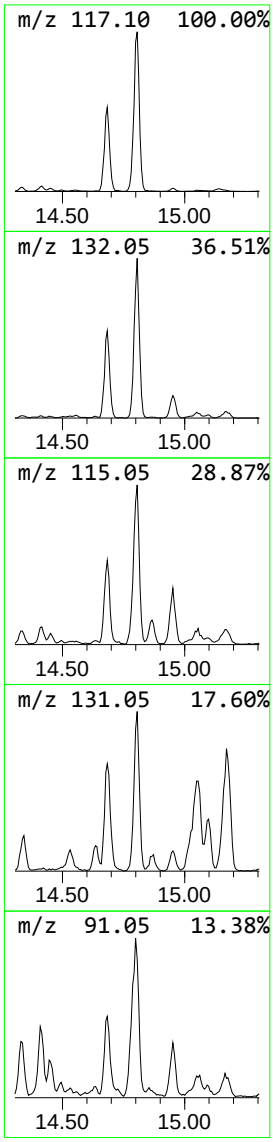
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 15 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.806 | 10.98 ug/l | 840056 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethenyl-4-ethyl- | 132 | C10H12 | 003454-07-7 | 94 |
| 2 | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12 | 002039-89-6 | 92 |
| 3 | 3-Phenylbut-1-ene | 132 | C10H12 | 000934-10-1 | 90 |
| 4 | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12 | 000824-22-6 | 90 |
| 5 | Benzene, 1-ethenyl-3-ethyl- | 132 | C10H12 | 007525-62-4 | 90 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031796.D
Acq On : 10 Jul 2025 12:41
Operator : SY/MD
Sample : Q2480-04
Misc : 7.35g/5mL/MSVOA_W/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
GPX4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.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 |
| n-Hexane | 5.972 | 11.8 | ug/l | 327986 | 1 | 7.965 | 1390630 | 50.0 |
| 2-Pentene, 4-me... | 6.319 | 8.9 | ug/l | 248811 | 1 | 7.965 | 1390630 | 50.0 |
| Cyclopentane, m... | 7.008 | 32.3 | ug/l | 897547 | 1 | 7.965 | 1390630 | 50.0 |
| Cyclopentene, 1... | 7.715 | 19.4 | ug/l | 540474 | 1 | 7.965 | 1390630 | 50.0 |
| Cyclohexene | 8.465 | 17.1 | ug/l | 532884 | 2 | 8.855 | 1561830 | 50.0 |
| Heptane | 8.703 | 8.0 | ug/l | 248985 | 2 | 8.855 | 1561830 | 50.0 |
| Cyclobutane, (1... | 9.855 | 13.2 | ug/l | 411256 | 2 | 8.855 | 1561830 | 50.0 |
| Cyclohexene, 1-... | 10.209 | 18.9 | ug/l | 590535 | 2 | 8.855 | 1561830 | 50.0 |
| unknown10.508 | 10.508 | 9.3 | ug/l | 214531 | 3 | 11.635 | 1151510 | 50.0 |
| Cyclopentene, 1... | 10.751 | 9.0 | ug/l | 206644 | 3 | 11.635 | 1151510 | 50.0 |
| Benzene, 1-ethy... | 12.867 | 10.9 | ug/l | 837384 | 4 | 13.556 | 3826570 | 50.0 |
| Benzene, 1-ethy... | 13.099 | 9.8 | ug/l | 750303 | 4 | 13.556 | 3826570 | 50.0 |
| Indane | 13.751 | 33.4 | ug/l | 2556650 | 4 | 13.556 | 3826570 | 50.0 |
| Indan, 1-methyl- | 14.202 | 8.2 | ug/l | 623469 | 4 | 13.556 | 3826570 | 50.0 |
| Benzene, 1-ethe... | 14.806 | 11.0 | ug/l | 840056 | 4 | 13.556 | 3826570 | 50.0 |