LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
Data File : VY022985.D
Acq On : 08 Jul 2025 18:57
Operator : SY/MD
Sample : Q2480-04
Misc : 7.62g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**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_Y\methods\82Y062325S.M
Title : SW846 8260

Signal : TIC: VY022985.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.080 | 50 | 59 | 61 | rBV3 | 9131 | 21719 | 1.46% | 0.288% |
| 2 | 3.019 | 211 | 213 | 224 | rVB | 15089 | 32343 | 2.17% | 0.429% |
| 3 | 4.610 | 461 | 474 | 481 | rBV3 | 24524 | 80495 | 5.40% | 1.067% |
| 4 | 5.647 | 633 | 644 | 654 | rVB5 | 7381 | 24602 | 1.65% | 0.326% |
| 5 | 6.695 | 805 | 816 | 823 | rBV4 | 11706 | 39129 | 2.62% | 0.519% |
| 6 | 7.439 | 931 | 938 | 946 | rBV4 | 11952 | 29640 | 1.99% | 0.393% |
| 7 | 7.634 | 960 | 970 | 975 | rBV3 | 51287 | 130686 | 8.77% | 1.733% |
| 8 | 7.707 | 975 | 982 | 992 | rVV | 95709 | 233489 | 15.66% | 3.096% |
| 9 | 8.061 | 1031 | 1040 | 1050 | rBV2 | 51745 | 118985 | 7.98% | 1.578% |
| 10 | 8.207 | 1053 | 1064 | 1071 | rBV6 | 12917 | 33901 | 2.27% | 0.449% |
| 11 | 8.341 | 1080 | 1086 | 1097 | rVB7 | 5355 | 15076 | 1.01% | 0.200% |
| 12 | 8.475 | 1097 | 1108 | 1115 | rBV5 | 8288 | 20806 | 1.40% | 0.276% |
| 13 | 8.616 | 1120 | 1131 | 1150 | rBV | 140049 | 304044 | 20.39% | 4.031% |
| 14 | 9.110 | 1194 | 1212 | 1218 | rBV3 | 30698 | 77672 | 5.21% | 1.030% |
| 15 | 9.634 | 1292 | 1298 | 1303 | rBV3 | 12497 | 24600 | 1.65% | 0.326% |
| 16 | 9.981 | 1348 | 1355 | 1362 | rBV2 | 19417 | 38324 | 2.57% | 0.508% |
| 17 | 10.103 | 1366 | 1375 | 1382 | rBV | 217708 | 384632 | 25.80% | 5.100% |
| 18 | 10.170 | 1382 | 1386 | 1392 | rVB | 18269 | 32186 | 2.16% | 0.427% |
| 19 | 10.298 | 1399 | 1407 | 1413 | rVB8 | 11295 | 24223 | 1.62% | 0.321% |
| 20 | 10.530 | 1436 | 1445 | 1453 | rVB7 | 7747 | 21184 | 1.42% | 0.281% |
| 21 | 11.414 | 1582 | 1590 | 1597 | rBV | 215835 | 360474 | 24.18% | 4.779% |
| 22 | 11.518 | 1600 | 1607 | 1615 | rVV | 952714 | 1490856 | 100.00% | 19.767% |
| 23 | 11.627 | 1615 | 1625 | 1635 | rVB | 181110 | 355440 | 23.84% | 4.713% |
| 24 | 11.950 | 1670 | 1678 | 1685 | rBV2 | 12704 | 27808 | 1.87% | 0.369% |
| 25 | 12.249 | 1721 | 1727 | 1733 | rBV | 56377 | 86963 | 5.83% | 1.153% |
| 26 | 12.402 | 1746 | 1752 | 1762 | rVB2 | 184504 | 315588 | 21.17% | 4.184% |
| 27 | 12.591 | 1776 | 1783 | 1789 | rBV | 92706 | 139466 | 9.35% | 1.849% |
| 28 | 12.658 | 1789 | 1794 | 1796 | rVV | 32665 | 53586 | 3.59% | 0.710% |
| 29 | 12.688 | 1796 | 1799 | 1802 | rVV | 47951 | 67182 | 4.51% | 0.891% |
| 30 | 12.731 | 1802 | 1806 | 1812 | rVB | 48045 | 75938 | 5.09% | 1.007% |
| 31 | 12.889 | 1825 | 1832 | 1839 | rBV | 55597 | 88852 | 5.96% | 1.178% |
| 32 | 13.042 | 1851 | 1857 | 1862 | rVB | 80592 | 122848 | 8.24% | 1.629% |
| 33 | 13.231 | 1883 | 1888 | 1893 | rBV2 | 12468 | 19274 | 1.29% | 0.256% |
| 34 | 13.340 | 1901 | 1906 | 1908 | rBV | 206016 | 305203 | 20.47% | 4.047% |
| 35 | 13.371 | 1908 | 1911 | 1917 | rVB | 380803 | 571435 | 38.33% | 7.577% |
| 36 | 13.542 | 1929 | 1939 | 1944 | rBV | 359205 | 597175 | 40.06% | 7.918% |

LSC Area Percent Report

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Operator : SY/MD
Sample : Q2480-04
Misc : 7.62g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**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_Y\methods\82Y062325S.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 13.584 | 1944 | 1946 | 1955 | rVV4 | 33141 | 49632 | 3.33% | 0.658% |
| 38 | 13.670 | 1955 | 1960 | 1964 | rVV6 | 14088 | 22512 | 1.51% | 0.298% |
| 39 | 13.737 | 1964 | 1971 | 1977 | rVB2 | 21889 | 43929 | 2.95% | 0.582% |
| 40 | 13.798 | 1977 | 1981 | 1984 | rBV2 | 11329 | 16568 | 1.11% | 0.220% |
| 41 | 13.889 | 1990 | 1996 | 2001 | rBV | 70980 | 101537 | 6.81% | 1.346% |
| 42 | 13.944 | 2001 | 2005 | 2009 | rVV2 | 21919 | 33352 | 2.24% | 0.442% |
| 43 | 13.993 | 2009 | 2013 | 2019 | rVB2 | 100204 | 154523 | 10.36% | 2.049% |
| 44 | 14.127 | 2029 | 2035 | 2040 | rBV | 25605 | 41542 | 2.79% | 0.551% |
| 45 | 14.212 | 2042 | 2049 | 2053 | rVV | 38493 | 65534 | 4.40% | 0.869% |
| 46 | 14.249 | 2053 | 2055 | 2059 | rVV | 16342 | 19653 | 1.32% | 0.261% |
| 47 | 14.298 | 2059 | 2063 | 2067 | rVV6 | 8040 | 14912 | 1.00% | 0.198% |
| 48 | 14.481 | 2088 | 2093 | 2098 | rBV | 48695 | 72102 | 4.84% | 0.956% |
| 49 | 14.596 | 2105 | 2112 | 2118 | rBV3 | 114677 | 209625 | 14.06% | 2.779% |
| 50 | 14.657 | 2118 | 2122 | 2129 | rVB6 | 8649 | 16063 | 1.08% | 0.213% |
| 51 | 14.749 | 2129 | 2137 | 2142 | rBV3 | 23012 | 37503 | 2.52% | 0.497% |
| 52 | 14.852 | 2144 | 2154 | 2158 | rBV4 | 18763 | 41391 | 2.78% | 0.549% |
| 53 | 14.968 | 2167 | 2173 | 2184 | rVB2 | 19182 | 40482 | 2.72% | 0.537% |
| 54 | 15.139 | 2191 | 2201 | 2208 | rBV | 116398 | 195432 | 13.11% | 2.591% |

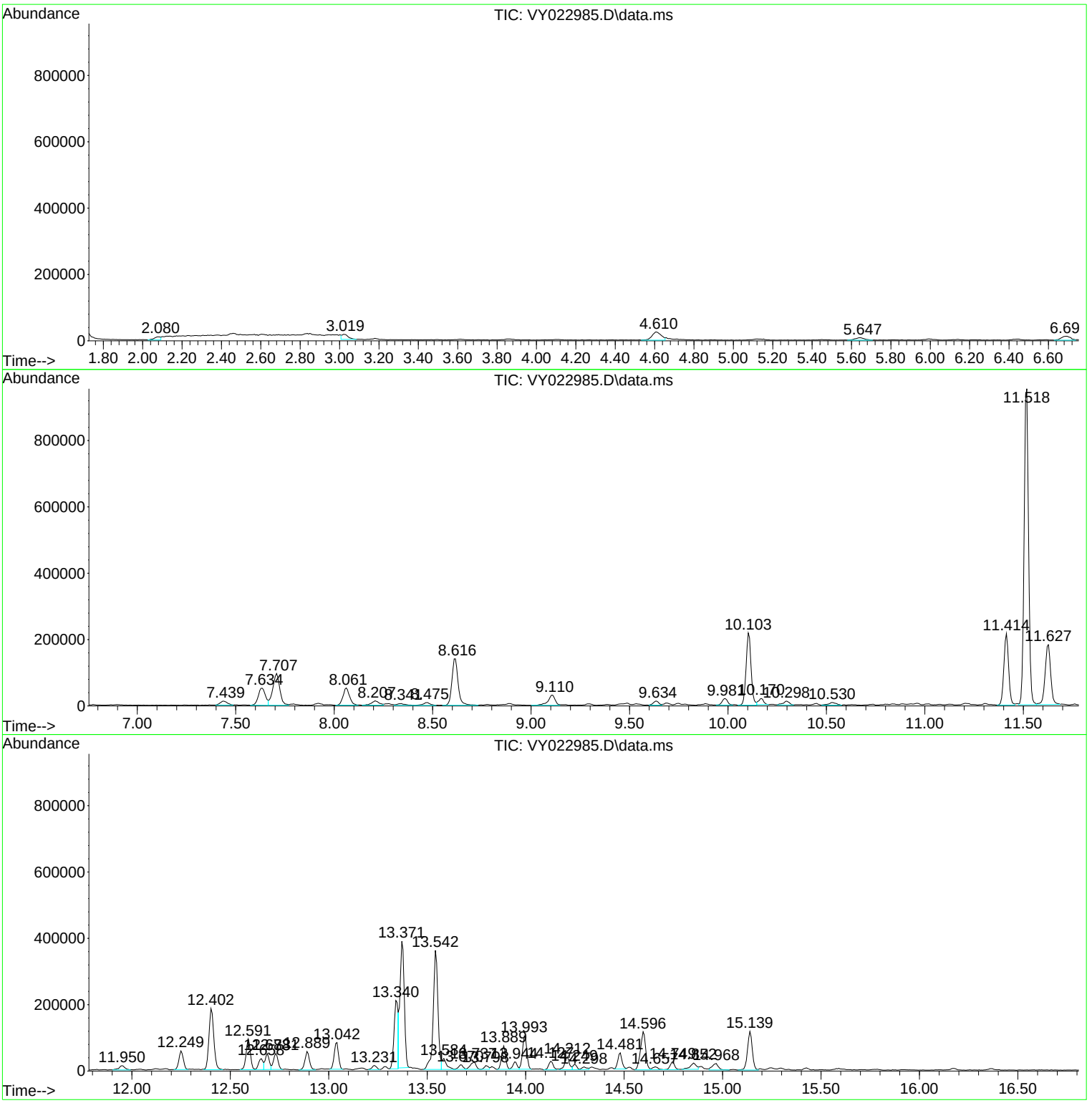
Sum of corrected areas: 7542116

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
Data File : VY022985.D
Acq On : 08 Jul 2025 18:57
Operator : SY/MD
Sample : Q2480-04
Misc : 7.62g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
GPX4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
Data File : VY022985.D
Acq On : 08 Jul 2025 18:57
Operator : SY/MD
Sample : Q2480-04
Misc : 7.62g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
GPX4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

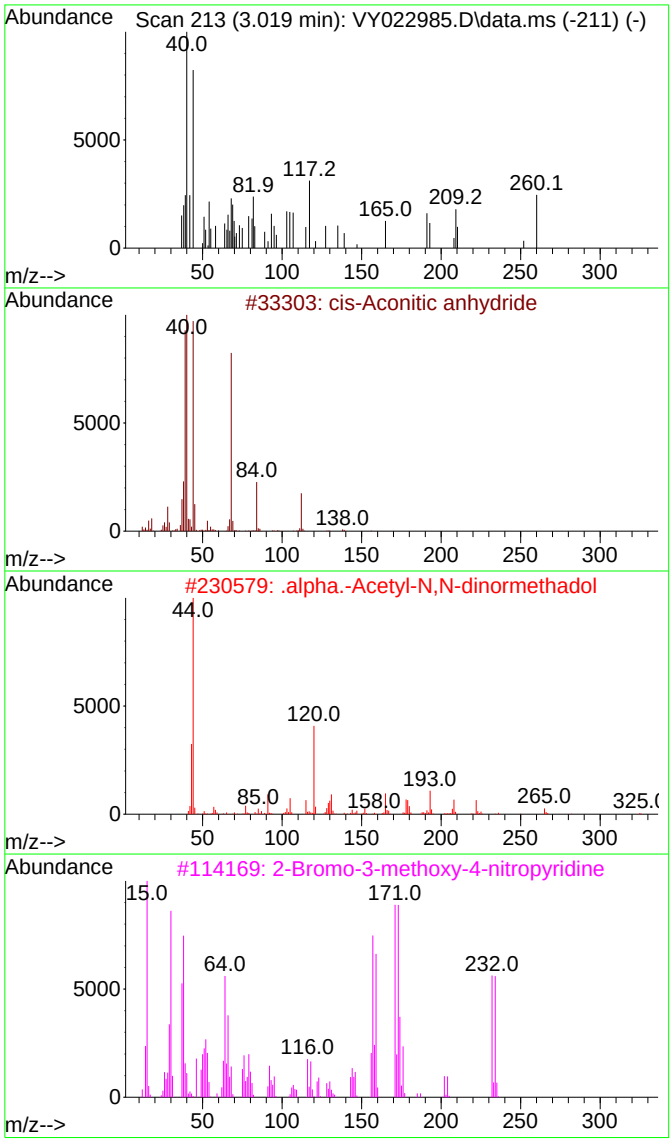
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

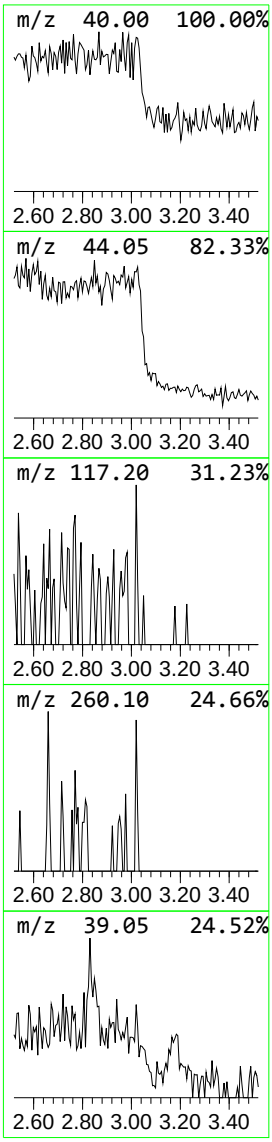
**********

Peak Number 1 unknown3.019 Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.019 | 6.93 ug/l | 32343 | Pentafluorobenzene | 7.707 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | cis-Aconitic anhydride | 156 | C6H4O5 | 006318-55-4 | 34 |
| 2 | .alpha.-Acetyl-N,N-dinormethadol | 325 | C21H27NO2 | 040488-01-5 | 28 |
| 3 | 2-Bromo-3-methoxy-4-nitropyridine | 232 | C6H5BrN2O3 | 1000444-83-2 | 27 |
| 4 | 4-Aminobutyramide, N-methyl-N-[4... | 429 | C17H21F6N3O3 | 1000124-10-5 | 23 |
| 5 | 3-Methyl-3,5--(cyanoethyl)tetrah... | 236 | C12H16N2OS | 1000140-32-3 | 23 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
Data File : VY022985.D
Acq On : 08 Jul 2025 18:57
Operator : SY/MD
Sample : Q2480-04
Misc : 7.62g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
GPX4

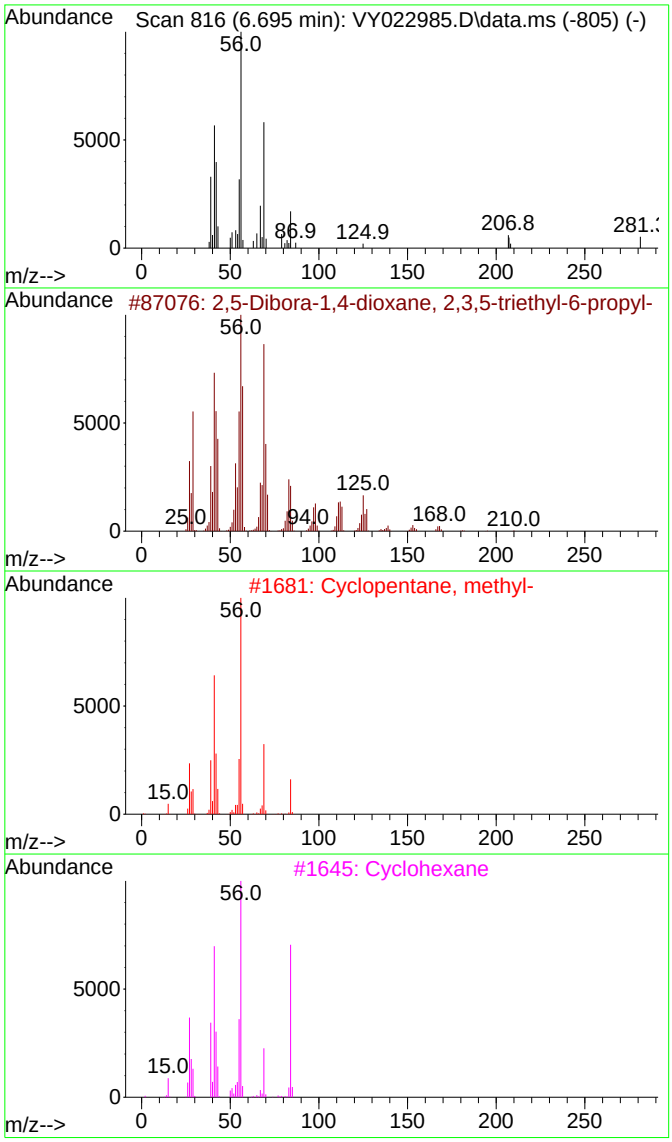
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

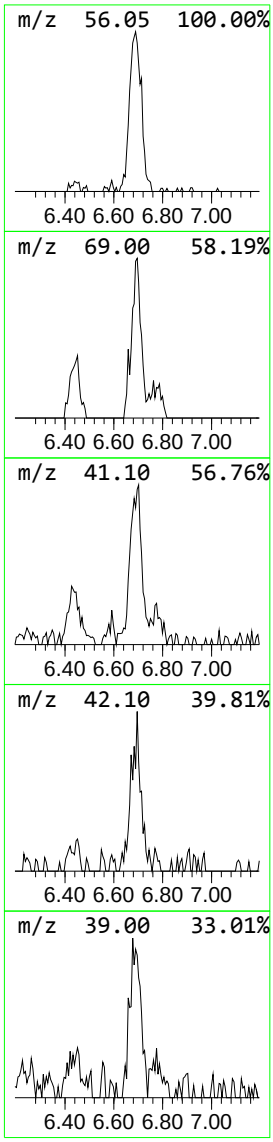
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 2,5-Dibora-1,4-dioxane, 2,3... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.695 | 8.38 ug/l | 39129 | Pentafluorobenzene | 7.707 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,5-Dibora-1,4-dioxane, 2,3,5-tr... | 210 | C11H24B2O2 | 1000161-22-1 | 56 |
| 2 | Cyclopentane, methyl- | 84 | C6H12 | 000096-37-7 | 50 |
| 3 | Cyclohexane | 84 | C6H12 | 000110-82-7 | 50 |
| 4 | 1-Hexene | 84 | C6H12 | 000592-41-6 | 49 |
| 5 | 1-Pentene, 2-methyl- | 84 | C6H12 | 000763-29-1 | 47 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
Data File : VY022985.D
Acq On : 08 Jul 2025 18:57
Operator : SY/MD
Sample : Q2480-04
Misc : 7.62g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
GPX4

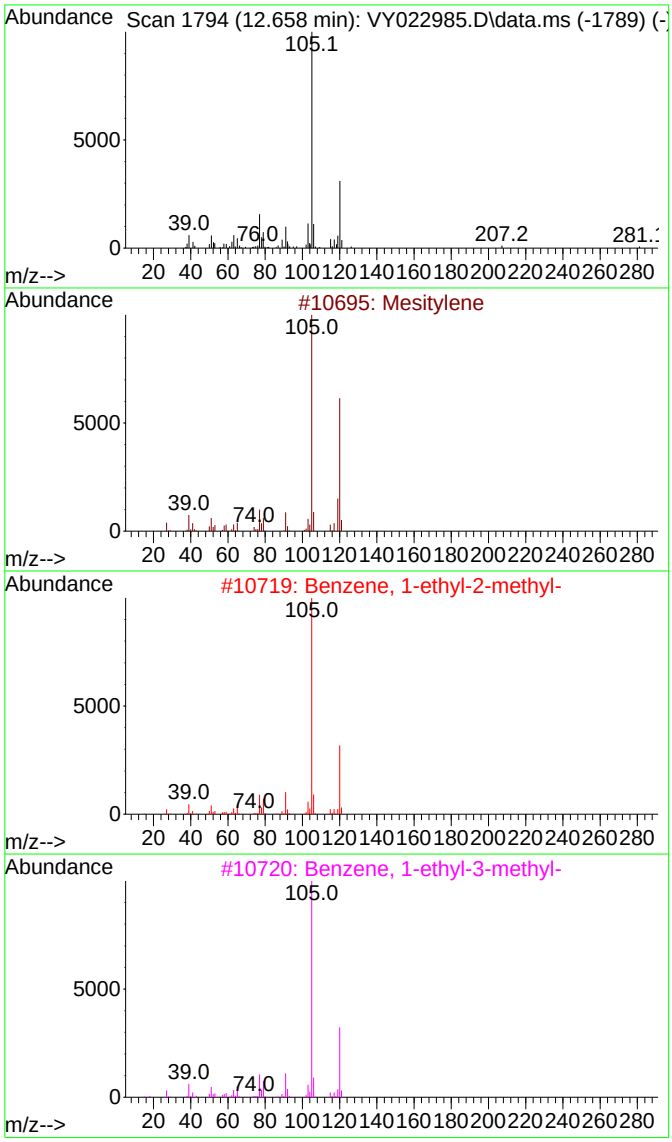
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

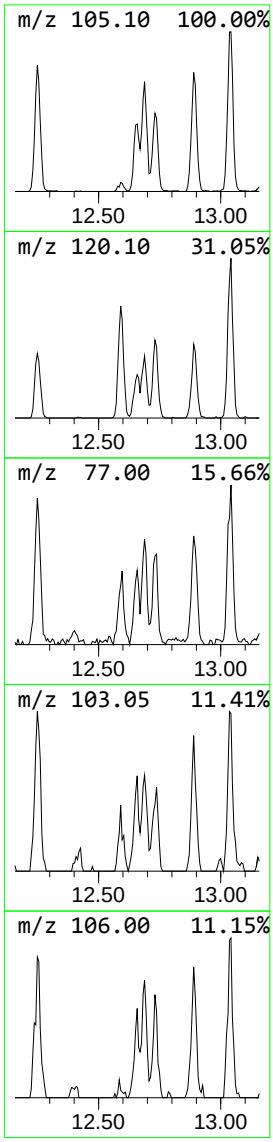
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.658 | 8.78 ug/l | 53586 | 1,4-Dichlorobenzene-d4 | 13.341 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Mesitylene | 120 | C9H12 | 000108-67-8 | 91 |
| 2 | Benzene, 1-ethyl-2-methyl- | 120 | C9H12 | 000611-14-3 | 91 |
| 3 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 91 |
| 4 | Benzene, 1-ethyl-4-methyl- | 120 | C9H12 | 000622-96-8 | 91 |
| 5 | Benzene, (1-methylethyl)- | 120 | C9H12 | 000098-82-8 | 87 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
Data File : VY022985.D
Acq On : 08 Jul 2025 18:57
Operator : SY/MD
Sample : Q2480-04
Misc : 7.62g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
GPX4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

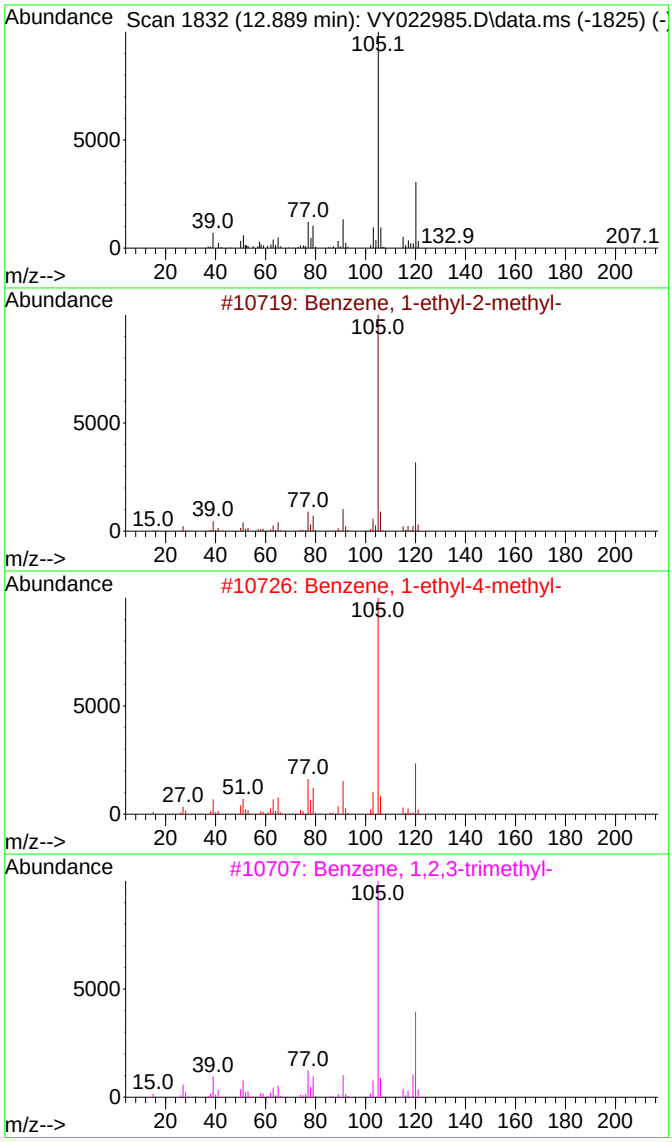
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

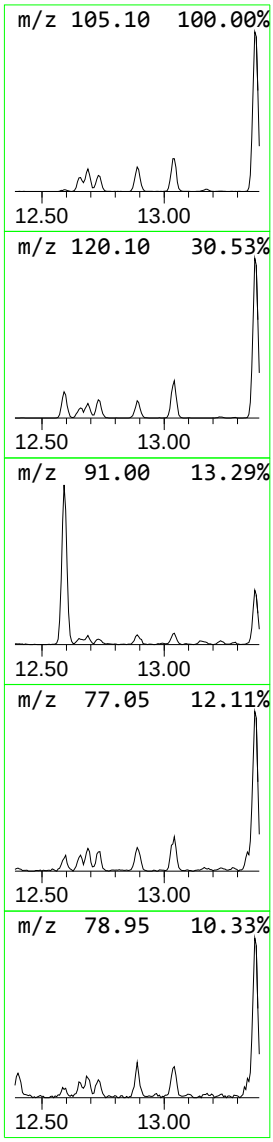
**********

Peak Number 4 Benzene, 1-ethyl-4-methyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.889 | 14.56 ug/l | 88852 | 1,4-Dichlorobenzene-d4 | 13.341 |

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
Data File : VY022985.D
Acq On : 08 Jul 2025 18:57
Operator : SY/MD
Sample : Q2480-04
Misc : 7.62g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
GPX4

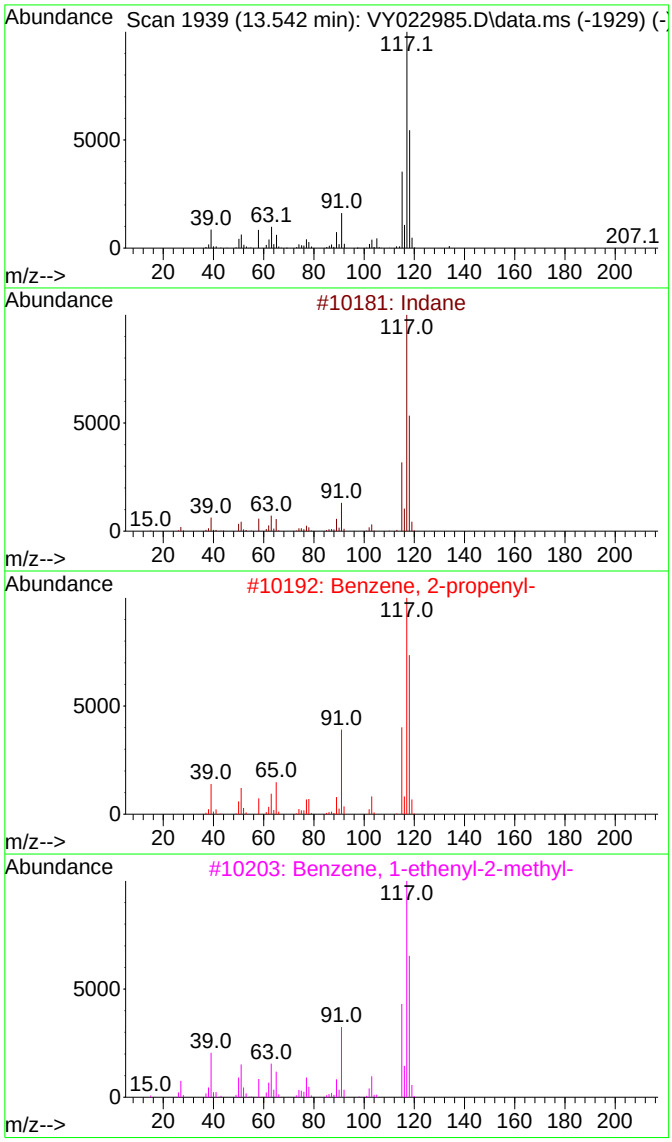
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

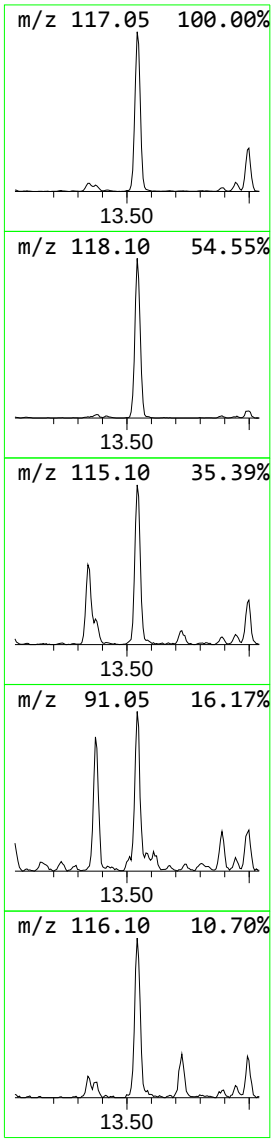
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 Indane Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.542 | 97.83 ug/l | 597175 | 1,4-Dichlorobenzene-d4 | 13.341 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indane | 118 | C9H10 | 000496-11-7 | 95 |
| 2 | Benzene, 2-propenyl- | 118 | C9H10 | 000300-57-2 | 74 |
| 3 | Benzene, 1-ethenyl-2-methyl- | 118 | C9H10 | 000611-15-4 | 72 |
| 4 | Benzene, cyclopropyl- | 118 | C9H10 | 000873-49-4 | 72 |
| 5 | Deltacyclene | 118 | C9H10 | 007785-10-6 | 68 |



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Data File : VY022985.D
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Operator : SY/MD
Sample : Q2480-04
Misc : 7.62g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
GPX4

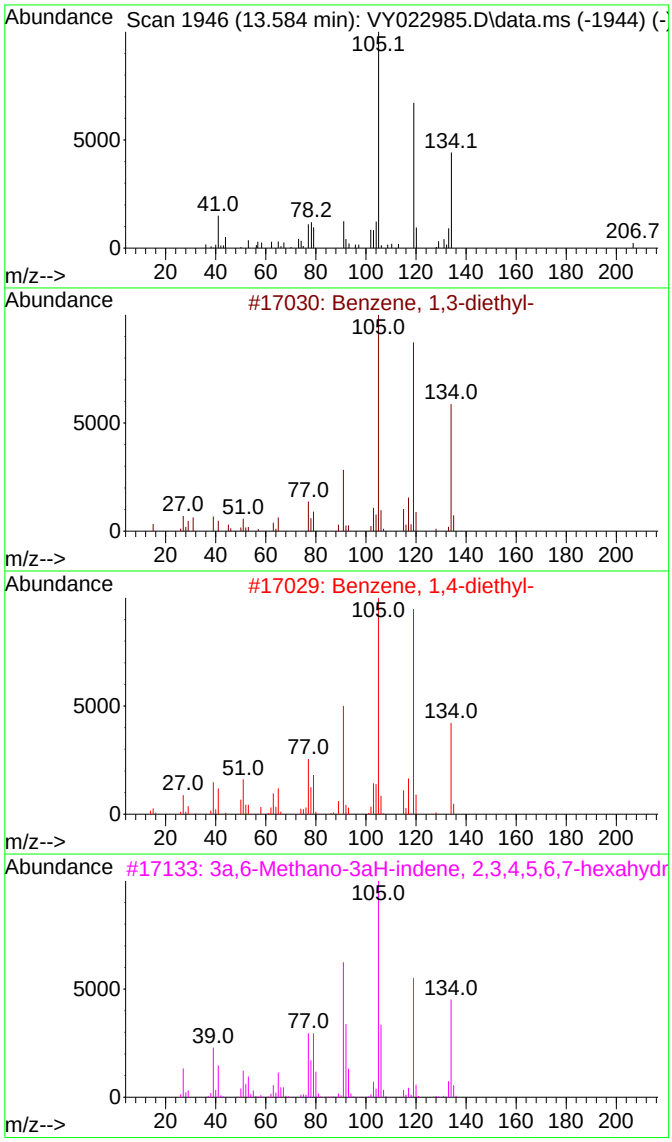
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

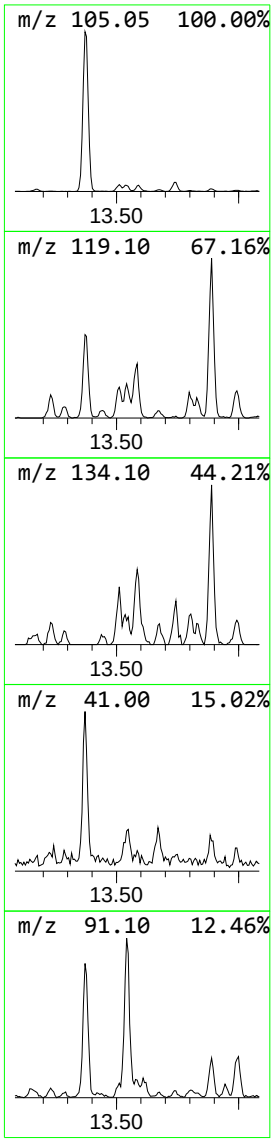
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 Benzene, 1,3-diethyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.584 | 8.13 ug/l | 49632 | 1,4-Dichlorobenzene-d4 | 13.341 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,3-diethyl- | 134 | C10H14 | 000141-93-5 | 80 |
| 2 | Benzene, 1,4-diethyl- | 134 | C10H14 | 000105-05-5 | 72 |
| 3 | 3a,6-Methano-3aH-indene, 2,3,4,5... | 134 | C10H14 | 098640-10-9 | 72 |
| 4 | 1-Methyl-1-silabenzocyclobutene | 134 | C8H10Si | 160841-06-5 | 64 |
| 5 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 58 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
Data File : VY022985.D
Acq On : 08 Jul 2025 18:57
Operator : SY/MD
Sample : Q2480-04
Misc : 7.62g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
GPX4

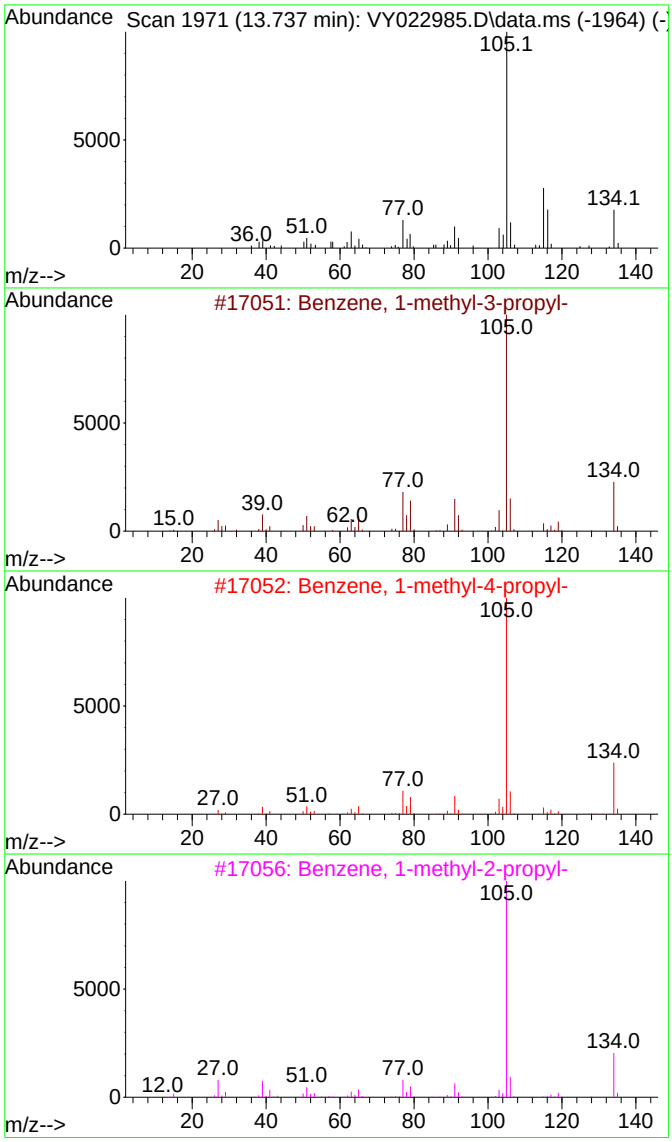
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

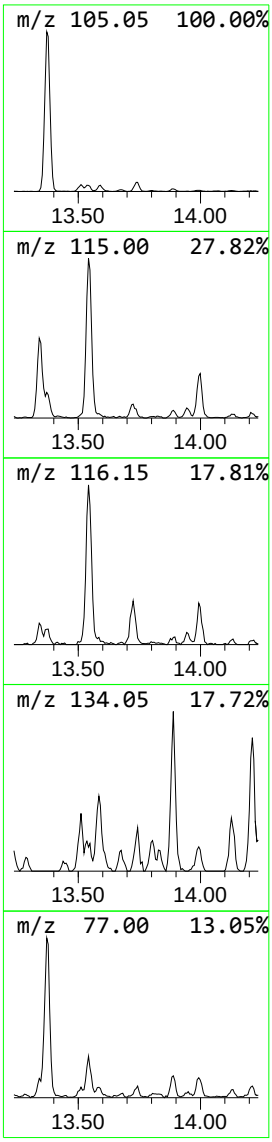
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 Benzene, 1-methyl-3-propyl- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.737 | 7.20 ug/l | 43929 | 1,4-Dichlorobenzene-d4 | 13.341 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-methyl-3-propyl- | 134 | C10H14 | 001074-43-7 | 60 |
| 2 | Benzene, 1-methyl-4-propyl- | 134 | C10H14 | 001074-55-1 | 58 |
| 3 | Benzene, 1-methyl-2-propyl- | 134 | C10H14 | 001074-17-5 | 49 |
| 4 | Benzeneacetaldehyde, .alpha.-met... | 134 | C9H10O | 000093-53-8 | 47 |
| 5 | Benzene, (1-methylpropyl)- | 134 | C10H14 | 000135-98-8 | 46 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
Data File : VY022985.D
Acq On : 08 Jul 2025 18:57
Operator : SY/MD
Sample : Q2480-04
Misc : 7.62g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
GPX4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

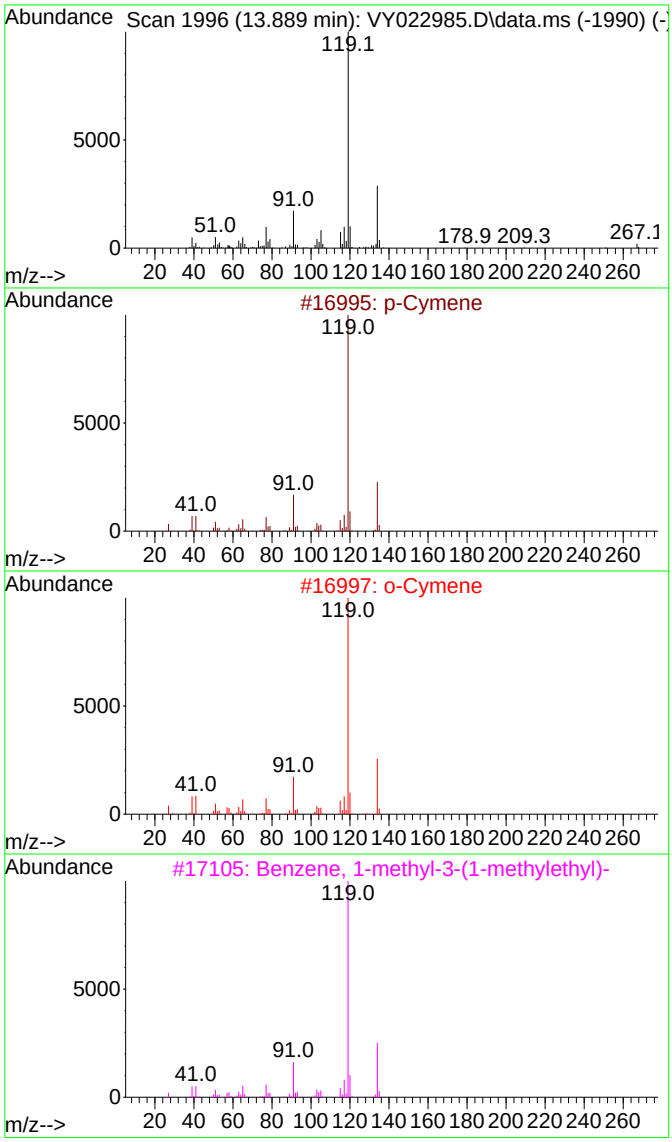
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

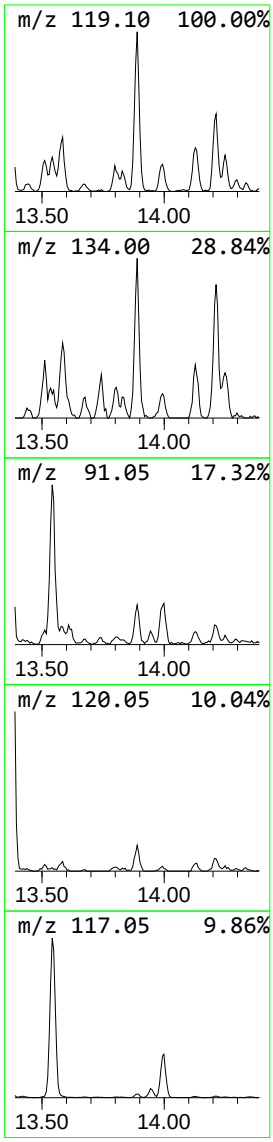
**********

Peak Number 8 o-Cymene Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.889 | 16.63 ug/l | 101537 | 1,4-Dichlorobenzene-d4 | 13.341 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | p-Cymene | 134 | C10H14 | 000099-87-6 | 97 |
| 2 | o-Cymene | 134 | C10H14 | 000527-84-4 | 97 |
| 3 | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14 | 000535-77-3 | 95 |
| 4 | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14 | 000934-80-5 | 95 |
| 5 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 95 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
Data File : VY022985.D
Acq On : 08 Jul 2025 18:57
Operator : SY/MD
Sample : Q2480-04
Misc : 7.62g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
GPX4

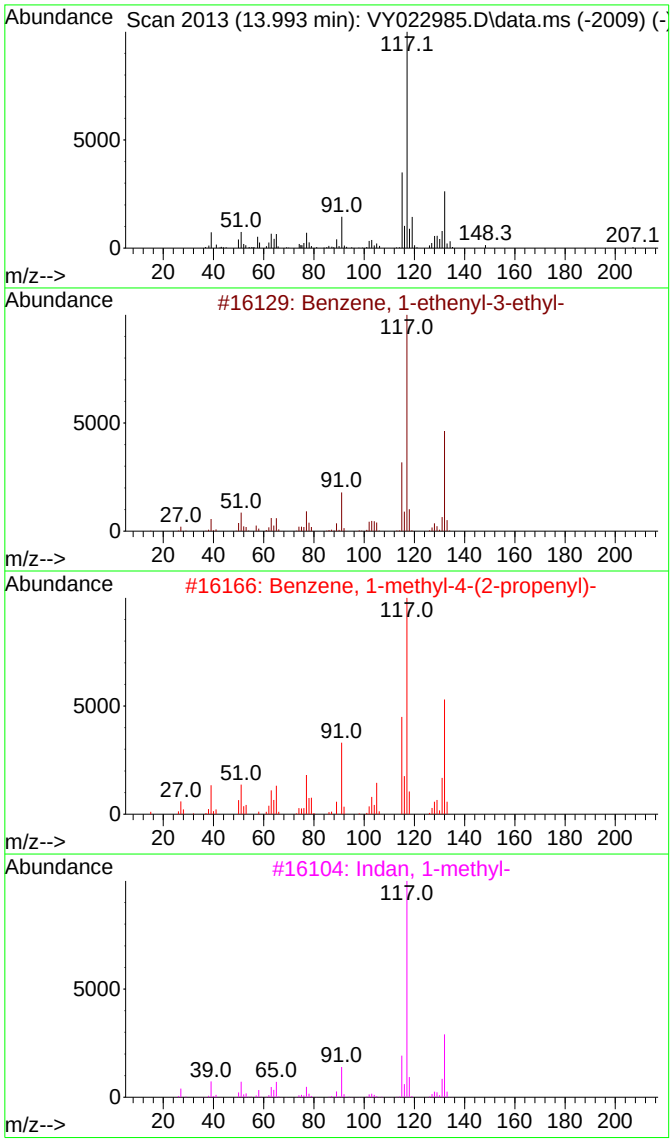
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

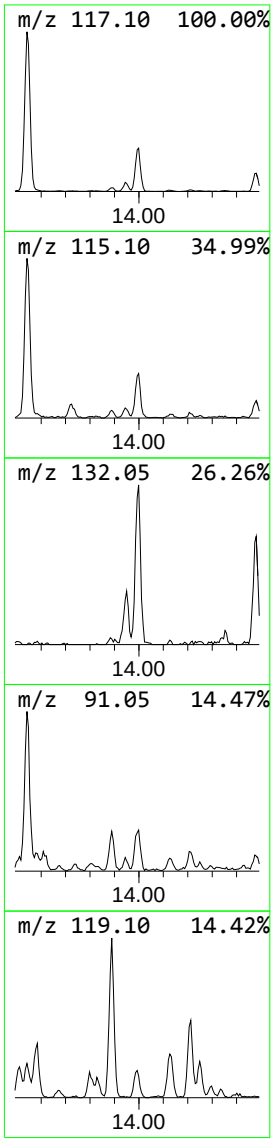
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.993 | 25.31 ug/l | 154523 | 1,4-Dichlorobenzene-d4 | 13.341 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethenyl-3-ethyl- | 132 | C10H12 | 007525-62-4 | 83 |
| 2 | Benzene, 1-methyl-4-(2-propenyl)- | 132 | C10H12 | 003333-13-9 | 81 |
| 3 | Indan, 1-methyl- | 132 | C10H12 | 000767-58-8 | 81 |
| 4 | Cyclopropane, 1-methyl-1-phenyl- | 132 | C10H12 | 002214-14-4 | 74 |
| 5 | 3-Phenylbut-1-ene | 132 | C10H12 | 000934-10-1 | 72 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
Data File : VY022985.D
Acq On : 08 Jul 2025 18:57
Operator : SY/MD
Sample : Q2480-04
Misc : 7.62g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
GPX4

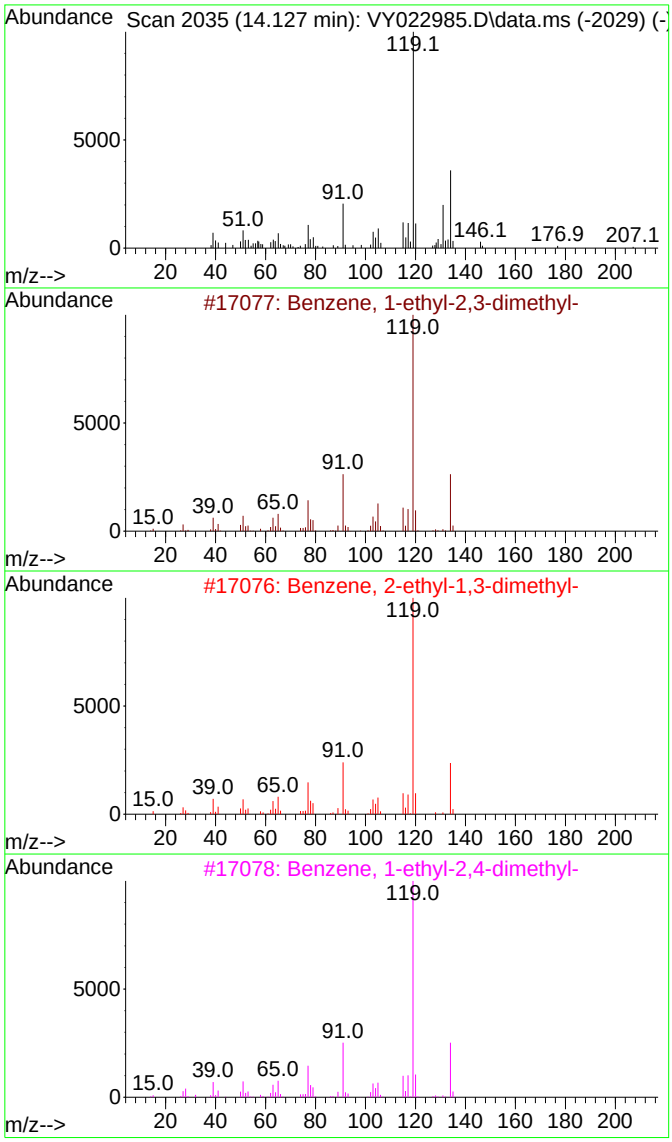
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

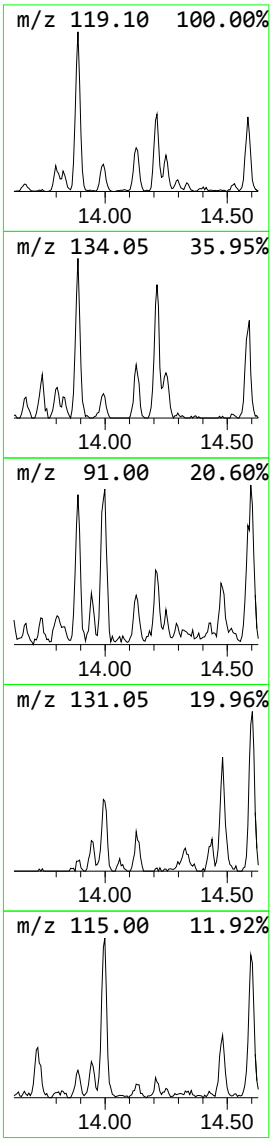
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 10 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.127 | 6.81 ug/l | 41542 | 1,4-Dichlorobenzene-d4 | 13.341 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 94 |
| 2 | Benzene, 2-ethyl-1,3-dimethyl- | 134 | C10H14 | 002870-04-4 | 93 |
| 3 | Benzene, 1-ethyl-2,4-dimethyl- | 134 | C10H14 | 000874-41-9 | 89 |
| 4 | o-Cymene | 134 | C10H14 | 000527-84-4 | 76 |
| 5 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 76 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
Data File : VY022985.D
Acq On : 08 Jul 2025 18:57
Operator : SY/MD
Sample : Q2480-04
Misc : 7.62g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
GPX4

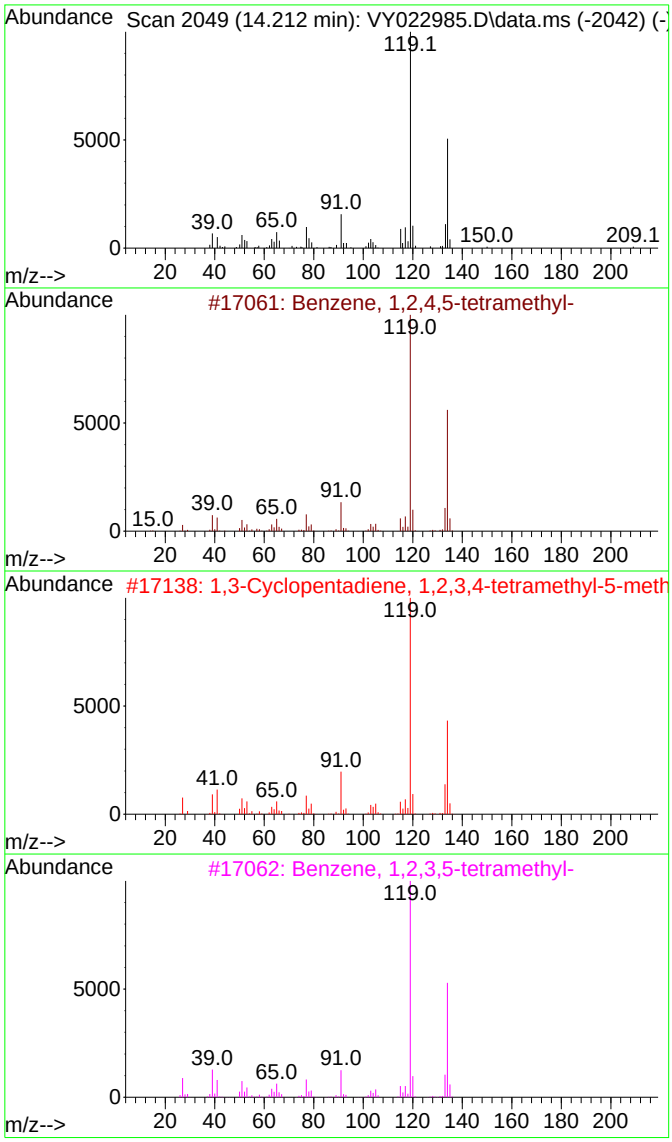
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

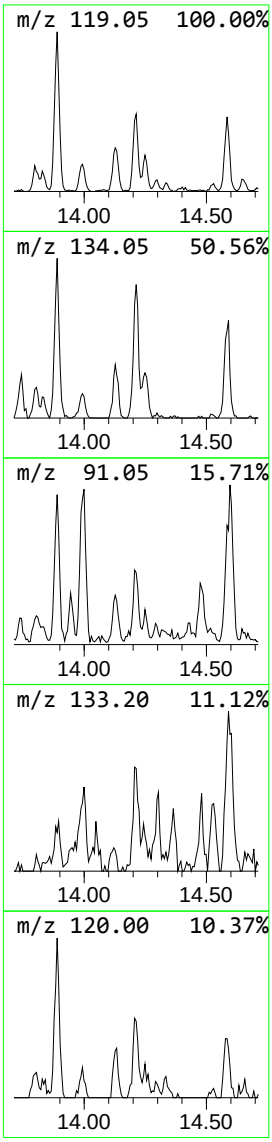
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 11 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.212 | 10.74 ug/l | 65534 | 1,4-Dichlorobenzene-d4 | 13.341 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 96 |
| 2 | 1,3-Cyclopentadiene, 1,2,3,4-tet... | 134 | C10H14 | 076089-59-3 | 94 |
| 3 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 94 |
| 4 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 94 |
| 5 | o-Cymene | 134 | C10H14 | 000527-84-4 | 93 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
Data File : VY022985.D
Acq On : 08 Jul 2025 18:57
Operator : SY/MD
Sample : Q2480-04
Misc : 7.62g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
GPX4

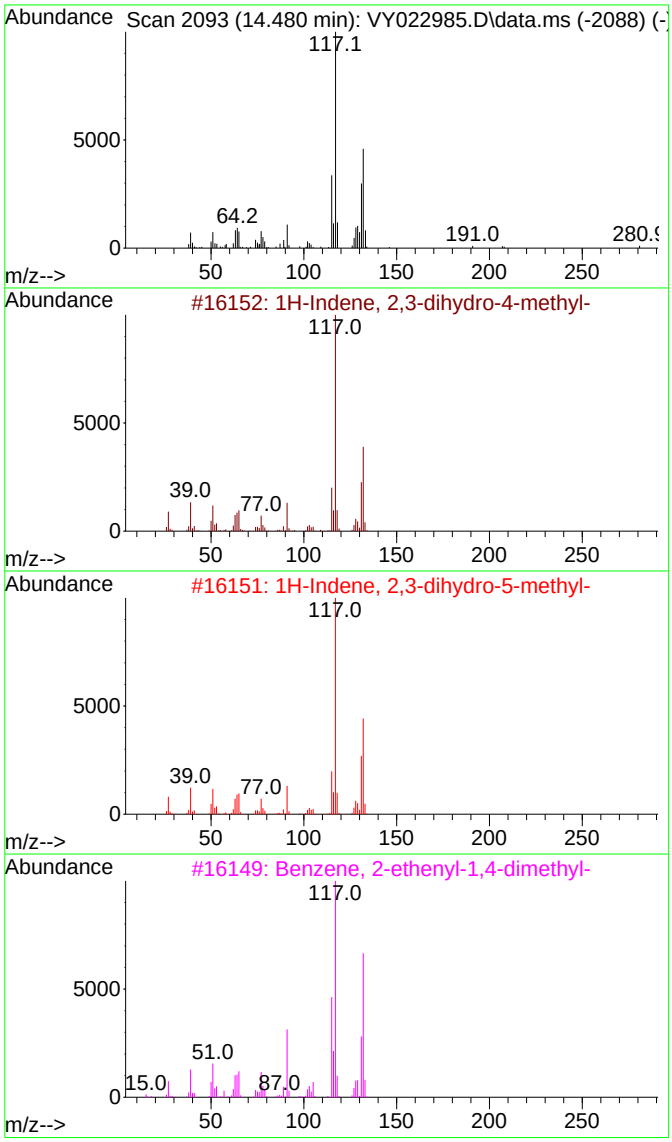
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

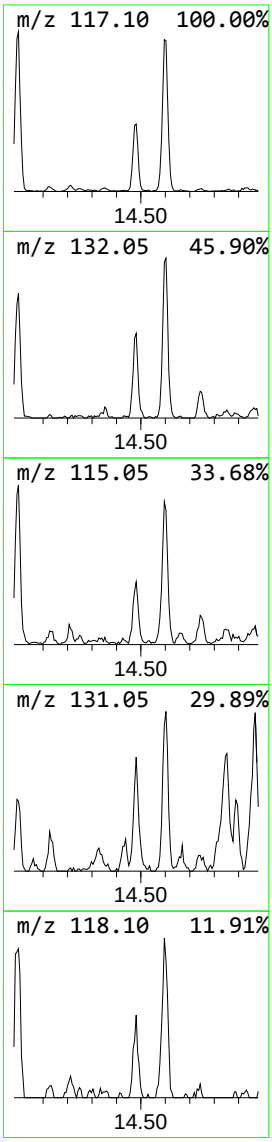
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 12 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.480 | 11.81 ug/l | 72102 | 1,4-Dichlorobenzene-d4 | 13.341 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12 | 000824-22-6 | 91 |
| 2 | 1H-Indene, 2,3-dihydro-5-methyl- | 132 | C10H12 | 000874-35-1 | 87 |
| 3 | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12 | 002039-89-6 | 87 |
| 4 | 3a,6-Methano-3aH-indene, 2,3,6,7... | 132 | C10H12 | 098640-29-0 | 86 |
| 5 | Benzene, (2-methyl-2-propenyl)- | 132 | C10H12 | 003290-53-7 | 80 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
Data File : VY022985.D
Acq On : 08 Jul 2025 18:57
Operator : SY/MD
Sample : Q2480-04
Misc : 7.62g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
GPX4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

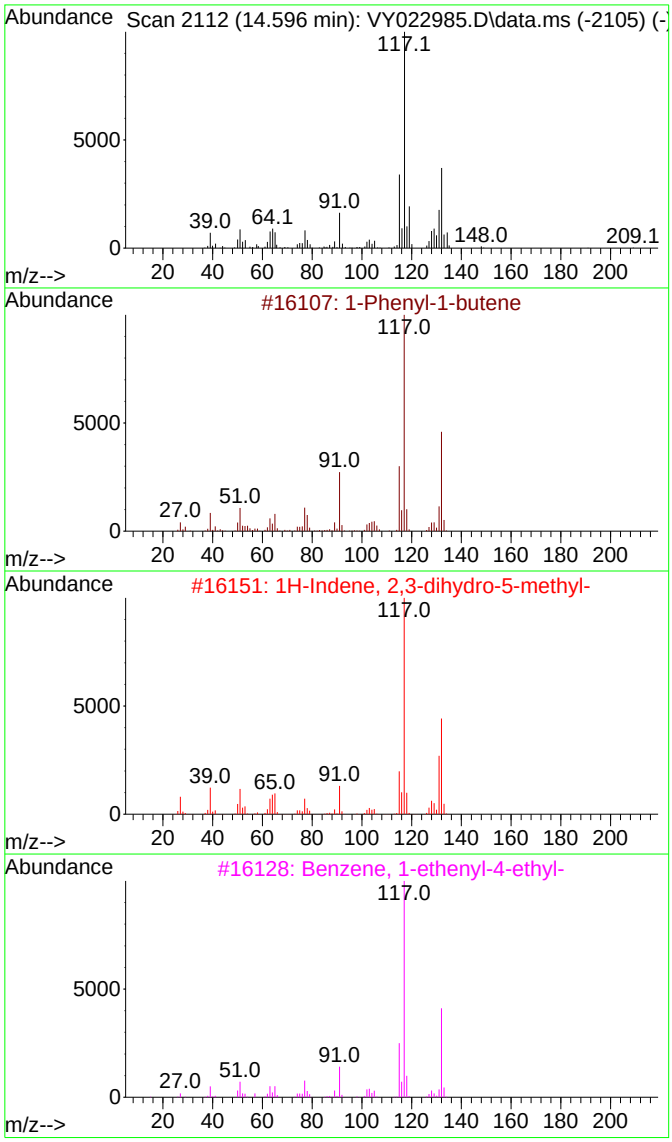
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

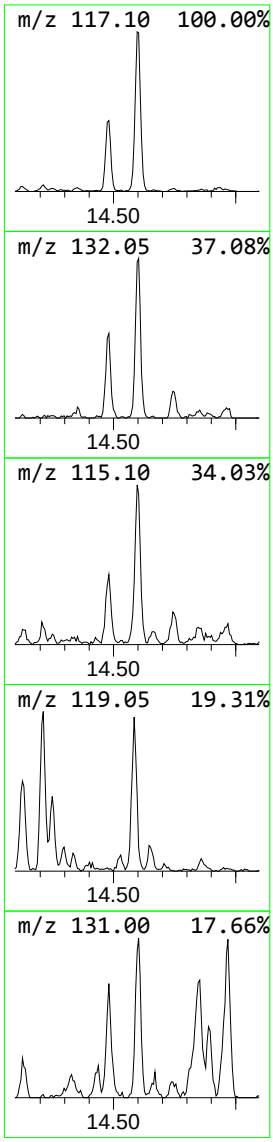
**********

Peak Number 13 1-Phenyl-1-butene Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.596 | 34.34 ug/l | 209625 | 1,4-Dichlorobenzene-d4 | 13.341 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Phenyl-1-butene | 132 | C10H12 | 000824-90-8 | 87 |
| 2 | 1H-Indene, 2,3-dihydro-5-methyl- | 132 | C10H12 | 000874-35-1 | 81 |
| 3 | Benzene, 1-ethenyl-4-ethyl- | 132 | C10H12 | 003454-07-7 | 81 |
| 4 | Benzene, 1-ethenyl-3-ethyl- | 132 | C10H12 | 007525-62-4 | 81 |
| 5 | Benzene, (2-methyl-1-propenyl)- | 132 | C10H12 | 000768-49-0 | 81 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
Data File : VY022985.D
Acq On : 08 Jul 2025 18:57
Operator : SY/MD
Sample : Q2480-04
Misc : 7.62g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
GPX4

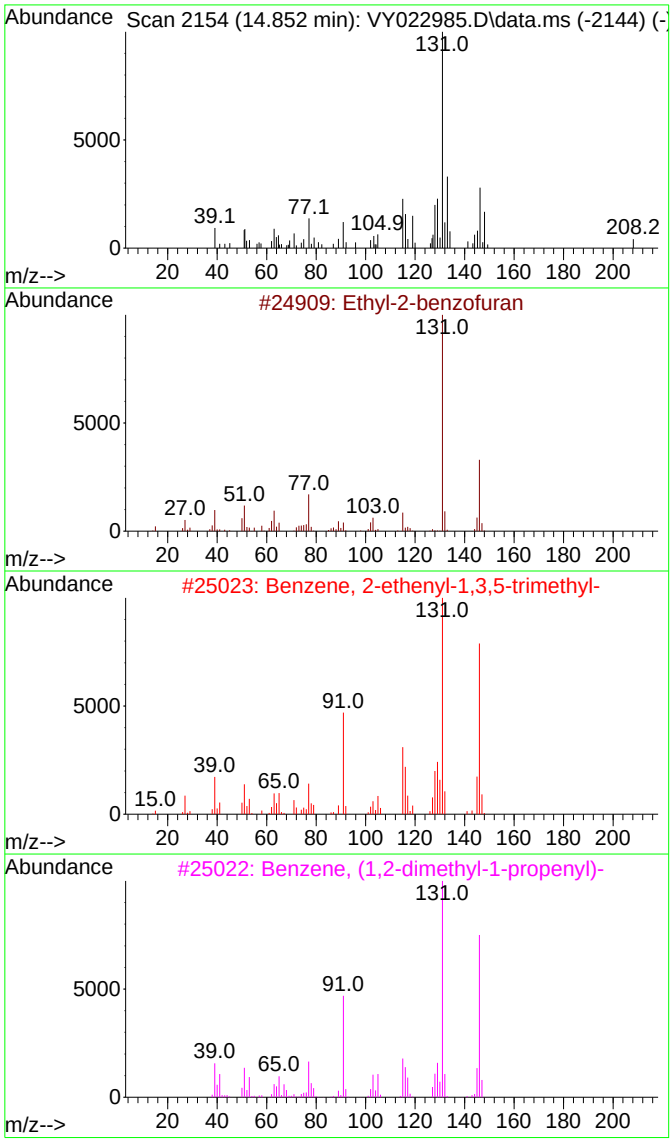
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

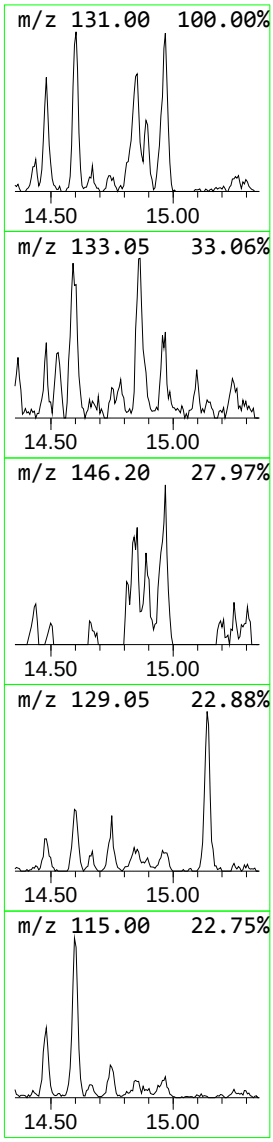
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 14 Ethyl-2-benzofuran Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.852 | 6.78 ug/l | 41391 | 1,4-Dichlorobenzene-d4 | 13.341 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethyl-2-benzofuran | 146 | C10H10O | 003131-63-3 | 86 |
| 2 | Benzene, 2-ethenyl-1,3,5-trimethyl- | 146 | C11H14 | 000769-25-5 | 81 |
| 3 | Benzene, (1,2-dimethyl-1-propenyl)- | 146 | C11H14 | 000769-57-3 | 70 |
| 4 | Benzene, (3-methyl-2-butenyl)- | 146 | C11H14 | 004489-84-3 | 60 |
| 5 | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14 | 017057-82-8 | 58 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
Data File : VY022985.D
Acq On : 08 Jul 2025 18:57
Operator : SY/MD
Sample : Q2480-04
Misc : 7.62g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
GPX4

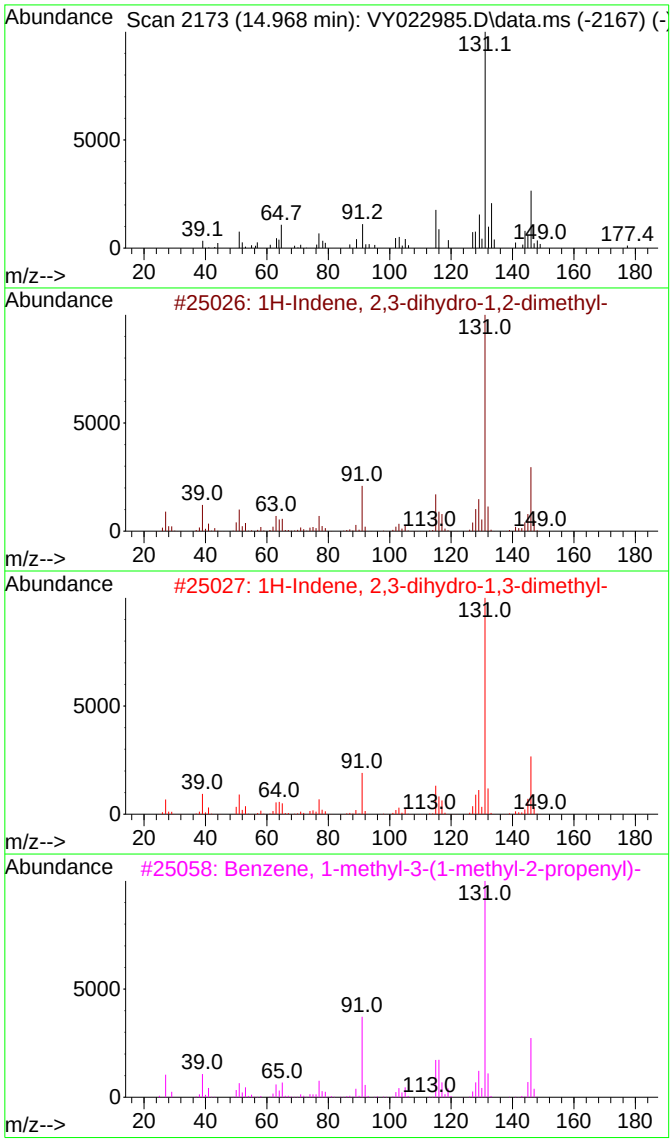
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

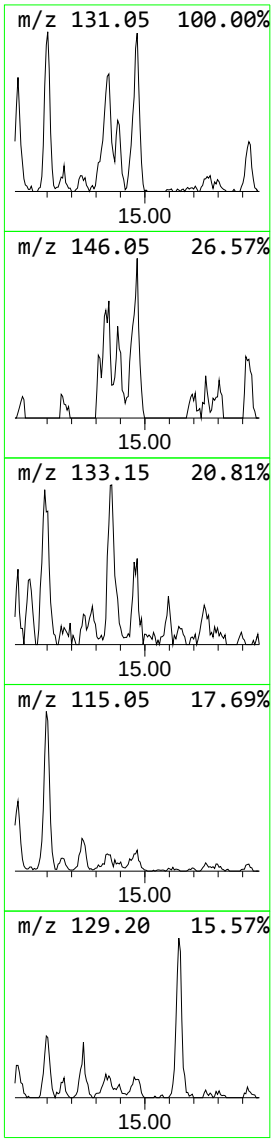
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 15 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.968 | 6.63 ug/l | 40482 | 1,4-Dichlorobenzene-d4 | 13.341 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14 | 017057-82-8 | 81 |
| 2 | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 | C11H14 | 004175-53-5 | 81 |
| 3 | Benzene, 1-methyl-3-(1-methyl-2-... | 146 | C11H14 | 052161-57-6 | 76 |
| 4 | Benzene, (3-methyl-2-butenyl)- | 146 | C11H14 | 004489-84-3 | 76 |
| 5 | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14 | 006682-71-9 | 76 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
Data File : VY022985.D
Acq On : 08 Jul 2025 18:57
Operator : SY/MD
Sample : Q2480-04
Misc : 7.62g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
GPX4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.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 |
| unknown3.019 | 3.019 | 6.9 | ug/l | 32343 | 1 | 7.707 | 233489 | 50.0 |
| 2,5-Dibora-1,4-... | 6.695 | 8.4 | ug/l | 39129 | 1 | 7.707 | 233489 | 50.0 |
| Benzene, 1-ethy... | 12.658 | 8.8 | ug/l | 53586 | 4 | 13.341 | 305203 | 50.0 |
| Benzene, 1-ethy... | 12.889 | 14.6 | ug/l | 88852 | 4 | 13.341 | 305203 | 50.0 |
| Indane | 13.542 | 97.8 | ug/l | 597175 | 4 | 13.341 | 305203 | 50.0 |
| Benzene, 1,3-di... | 13.584 | 8.1 | ug/l | 49632 | 4 | 13.341 | 305203 | 50.0 |
| Benzene, 1-meth... | 13.737 | 7.2 | ug/l | 43929 | 4 | 13.341 | 305203 | 50.0 |
| o-Cymene | 13.889 | 16.6 | ug/l | 101537 | 4 | 13.341 | 305203 | 50.0 |
| Benzene, 1-ethe... | 13.993 | 25.3 | ug/l | 154523 | 4 | 13.341 | 305203 | 50.0 |
| Benzene, 1-ethy... | 14.127 | 6.8 | ug/l | 41542 | 4 | 13.341 | 305203 | 50.0 |
| Benzene, 1,2,4,... | 14.212 | 10.7 | ug/l | 65534 | 4 | 13.341 | 305203 | 50.0 |
| 1H-Indene, 2,3-... | 14.480 | 11.8 | ug/l | 72102 | 4 | 13.341 | 305203 | 50.0 |
| 1-Phenyl-1-butene | 14.596 | 34.3 | ug/l | 209625 | 4 | 13.341 | 305203 | 50.0 |
| Ethyl-2-benzofuran | 14.852 | 6.8 | ug/l | 41391 | 4 | 13.341 | 305203 | 50.0 |
| 1H-Indene, 2,3-... | 14.968 | 6.6 | ug/l | 40482 | 4 | 13.341 | 305203 | 50.0 |