LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052225\
Data File : VX046316.D
Acq On : 22 May 2025 10:03
Operator : JC/MD
Sample : Q2102-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
LAW-25-0078

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\82X050525W.M
Title : SW846 8260

Signal : TIC: VX046316.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.355 | 41 | 44 | 51 | rVB2 | 5536 | 6658 | 1.57% | 0.193% |
| 2 | 1.605 | 79 | 85 | 88 | rVB5 | 5581 | 11673 | 2.75% | 0.339% |
| 3 | 2.386 | 207 | 213 | 224 | rVB | 9257 | 18290 | 4.31% | 0.531% |
| 4 | 2.965 | 298 | 308 | 321 | rBV3 | 6375 | 17210 | 4.06% | 0.500% |
| 5 | 5.385 | 694 | 705 | 719 | rBV | 49835 | 148526 | 35.01% | 4.311% |
| 6 | 5.544 | 721 | 731 | 747 | rVV2 | 70592 | 202467 | 47.72% | 5.877% |
| 7 | 5.952 | 787 | 798 | 814 | rBV | 58869 | 157337 | 37.08% | 4.567% |
| 8 | 6.757 | 922 | 930 | 944 | rBV | 124912 | 305922 | 72.10% | 8.880% |
| 9 | 6.958 | 955 | 963 | 969 | rBV6 | 3689 | 8539 | 2.01% | 0.248% |
| 10 | 7.903 | 1112 | 1118 | 1124 | rBV2 | 2350 | 4809 | 1.13% | 0.140% |
| 11 | 8.513 | 1212 | 1218 | 1223 | rBV4 | 3170 | 5245 | 1.24% | 0.152% |
| 12 | 8.647 | 1232 | 1240 | 1250 | rBV | 269611 | 424289 | 100.00% | 12.316% |
| 13 | 9.171 | 1321 | 1326 | 1333 | rBV2 | 4119 | 7655 | 1.80% | 0.222% |
| 14 | 9.244 | 1333 | 1338 | 1341 | rBV2 | 3957 | 6425 | 1.51% | 0.187% |
| 15 | 9.378 | 1356 | 1360 | 1365 | rBV2 | 3796 | 5847 | 1.38% | 0.170% |
| 16 | 9.445 | 1365 | 1371 | 1384 | rVV | 30828 | 49175 | 11.59% | 1.427% |
| 17 | 9.586 | 1384 | 1394 | 1403 | rVV2 | 28830 | 46607 | 10.98% | 1.353% |
| 18 | 10.049 | 1465 | 1470 | 1483 | rVB | 271459 | 391661 | 92.31% | 11.369% |
| 19 | 10.146 | 1483 | 1486 | 1492 | rVB7 | 2726 | 4325 | 1.02% | 0.126% |
| 20 | 10.372 | 1518 | 1523 | 1532 | rVB | 139359 | 187297 | 44.14% | 5.437% |
| 21 | 10.549 | 1547 | 1552 | 1556 | rBV2 | 7906 | 11625 | 2.74% | 0.337% |
| 22 | 10.860 | 1598 | 1603 | 1607 | rBV | 22223 | 32206 | 7.59% | 0.935% |
| 23 | 10.896 | 1607 | 1609 | 1613 | rVB2 | 3768 | 4496 | 1.06% | 0.131% |
| 24 | 11.012 | 1622 | 1628 | 1632 | rVB4 | 6064 | 11258 | 2.65% | 0.327% |
| 25 | 11.079 | 1632 | 1639 | 1648 | rBV | 232461 | 302302 | 71.25% | 8.775% |
| 26 | 11.152 | 1648 | 1651 | 1655 | rVB3 | 5308 | 6992 | 1.65% | 0.203% |
| 27 | 11.335 | 1678 | 1681 | 1685 | rBV2 | 4218 | 5347 | 1.26% | 0.155% |
| 28 | 11.451 | 1696 | 1700 | 1704 | rBV | 10841 | 14493 | 3.42% | 0.421% |
| 29 | 11.530 | 1708 | 1713 | 1719 | rVB | 32186 | 44938 | 10.59% | 1.304% |
| 30 | 11.695 | 1736 | 1740 | 1744 | rBV5 | 8470 | 13713 | 3.23% | 0.398% |
| 31 | 11.738 | 1744 | 1747 | 1754 | rVB4 | 4502 | 8965 | 2.11% | 0.260% |
| 32 | 11.890 | 1768 | 1772 | 1774 | rBV5 | 3214 | 4941 | 1.16% | 0.143% |
| 33 | 11.939 | 1776 | 1780 | 1783 | rVV2 | 9333 | 13695 | 3.23% | 0.398% |
| 34 | 11.975 | 1783 | 1786 | 1789 | rVV2 | 16030 | 25355 | 5.98% | 0.736% |
| 35 | 12.018 | 1789 | 1793 | 1805 | rVV | 278024 | 348231 | 82.07% | 10.109% |
| 36 | 12.201 | 1818 | 1823 | 1832 | rBV7 | 4495 | 12173 | 2.87% | 0.353% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052225\
Data File : VX046316.D
Acq On : 22 May 2025 10:03
Operator : JC/MD
Sample : Q2102-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
LAW-25-0078

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\82X050525W.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 12.347 | 1839 | 1847 | 1851 | rBV4 | 10972 | 24217 | 5.71% | 0.703% |
| 38 | 12.439 | 1856 | 1862 | 1865 | rBV8 | 2273 | 5599 | 1.32% | 0.163% |
| 39 | 12.597 | 1882 | 1888 | 1891 | rVB7 | 3114 | 5494 | 1.29% | 0.159% |
| 40 | 12.658 | 1891 | 1898 | 1908 | rBV | 55264 | 98080 | 23.12% | 2.847% |
| 41 | 12.750 | 1911 | 1913 | 1917 | rVB4 | 4314 | 5073 | 1.20% | 0.147% |
| 42 | 12.835 | 1922 | 1927 | 1932 | rBV2 | 14998 | 22104 | 5.21% | 0.642% |
| 43 | 12.951 | 1942 | 1946 | 1949 | rBV2 | 7755 | 9361 | 2.21% | 0.272% |
| 44 | 12.994 | 1949 | 1953 | 1959 | rVB | 16009 | 20542 | 4.84% | 0.596% |
| 45 | 13.061 | 1959 | 1964 | 1970 | rVV7 | 3797 | 8330 | 1.96% | 0.242% |
| 46 | 13.134 | 1970 | 1976 | 1982 | rVB6 | 3886 | 7811 | 1.84% | 0.227% |
| 47 | 13.268 | 1994 | 1998 | 2002 | rBV2 | 26179 | 33138 | 7.81% | 0.962% |
| 48 | 13.371 | 2011 | 2015 | 2018 | rBV3 | 4238 | 5660 | 1.33% | 0.164% |
| 49 | 13.585 | 2043 | 2050 | 2053 | rBV8 | 2645 | 5596 | 1.32% | 0.162% |
| 50 | 13.628 | 2053 | 2057 | 2060 | rVV5 | 4006 | 7122 | 1.68% | 0.207% |
| 51 | 13.664 | 2060 | 2063 | 2071 | rVB | 9089 | 14353 | 3.38% | 0.417% |
| 52 | 13.780 | 2078 | 2082 | 2086 | rBV2 | 2605 | 5514 | 1.30% | 0.160% |
| 53 | 14.060 | 2121 | 2128 | 2132 | rVB9 | 3805 | 7894 | 1.86% | 0.229% |
| 54 | 14.140 | 2134 | 2141 | 2143 | rBV7 | 2767 | 4640 | 1.09% | 0.135% |
| 55 | 14.432 | 2186 | 2189 | 2193 | rBV6 | 3570 | 5522 | 1.30% | 0.160% |
| 56 | 14.493 | 2193 | 2199 | 2205 | rVB9 | 4761 | 8944 | 2.11% | 0.260% |
| 57 | 14.609 | 2215 | 2218 | 2221 | rBV4 | 5019 | 6968 | 1.64% | 0.202% |
| 58 | 15.207 | 2307 | 2316 | 2323 | rBV | 99630 | 158812 | 37.43% | 4.610% |
| 59 | 15.414 | 2348 | 2350 | 2354 | rVB3 | 6888 | 7403 | 1.74% | 0.215% |
| 60 | 15.487 | 2358 | 2362 | 2366 | rBV7 | 8670 | 17480 | 4.12% | 0.507% |
| 61 | 15.572 | 2372 | 2376 | 2380 | rBV5 | 9876 | 18039 | 4.25% | 0.524% |
| 62 | 16.084 | 2455 | 2460 | 2468 | rBV2 | 32377 | 60537 | 14.27% | 1.757% |

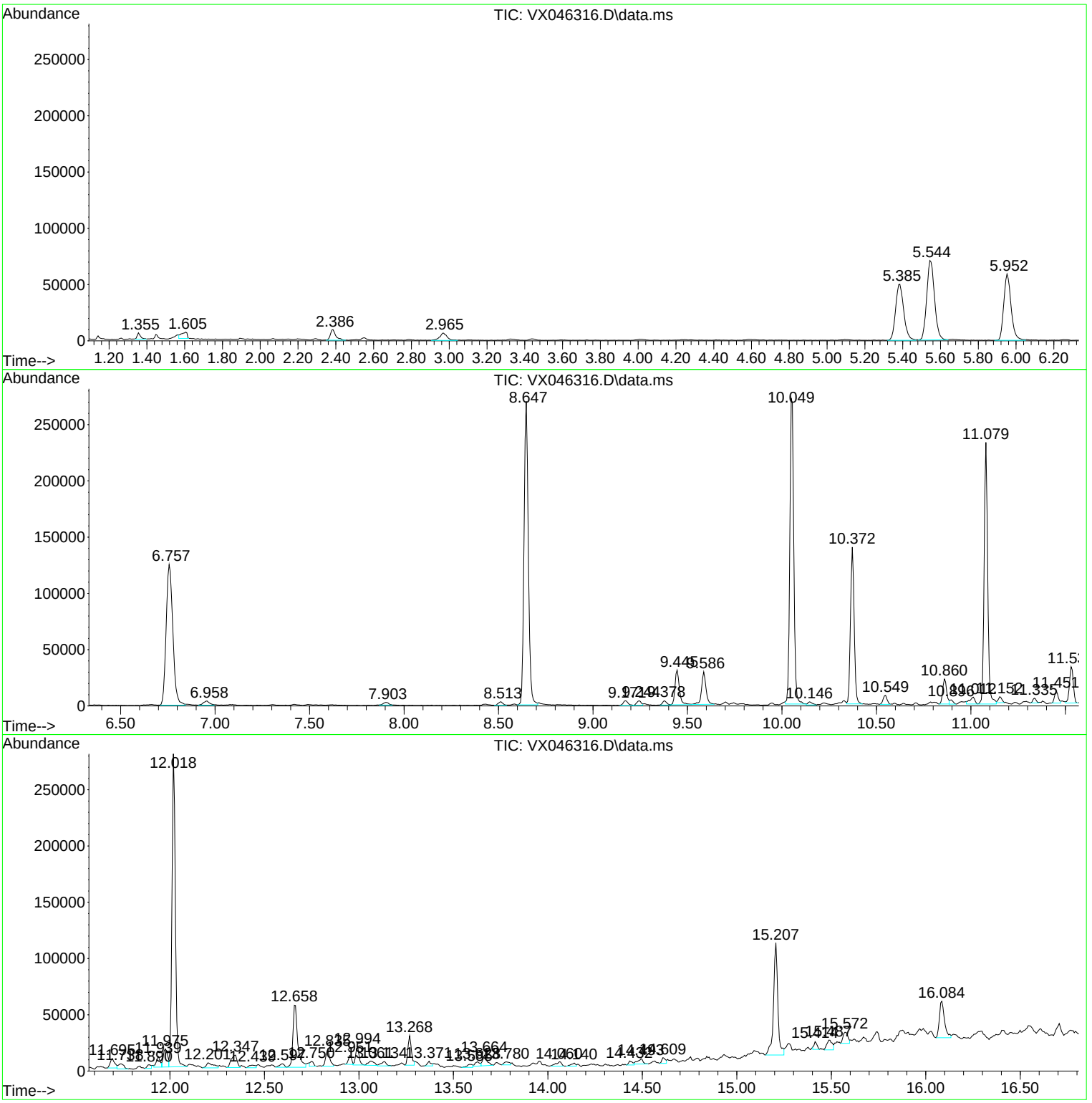
Sum of corrected areas: 3444920

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052225\
Data File : VX046316.D
Acq On : 22 May 2025 10:03
Operator : JC/MD
Sample : Q2102-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
LAW-25-0078

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052225\
Data File : VX046316.D
Acq On : 22 May 2025 10:03
Operator : JC/MD
Sample : Q2102-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
LAW-25-0078

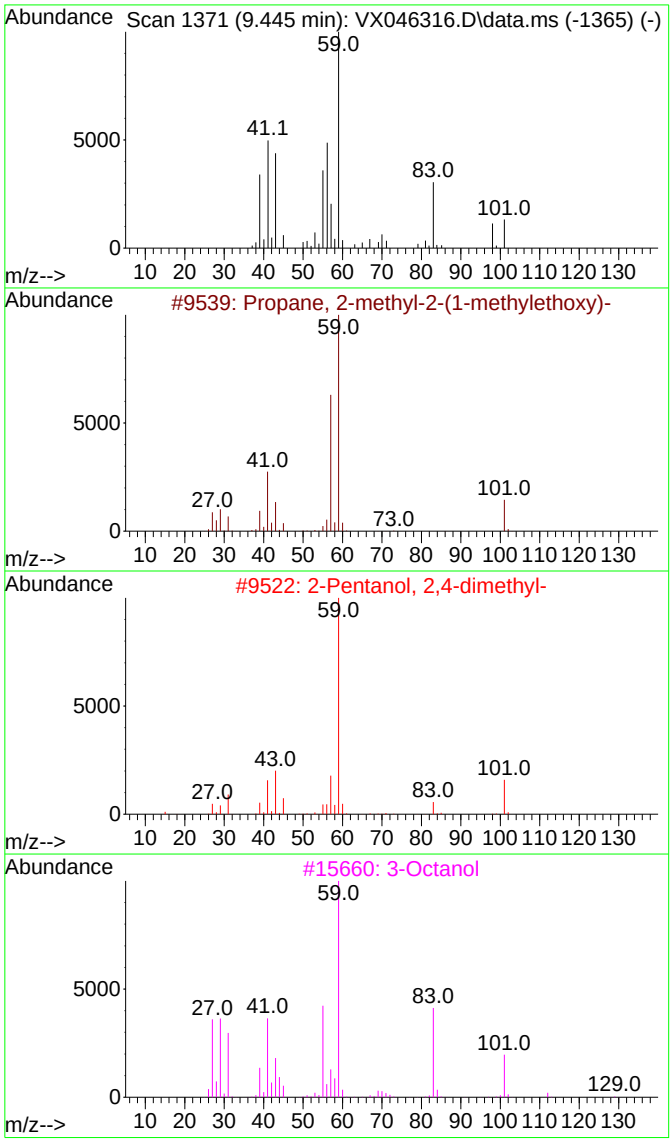
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

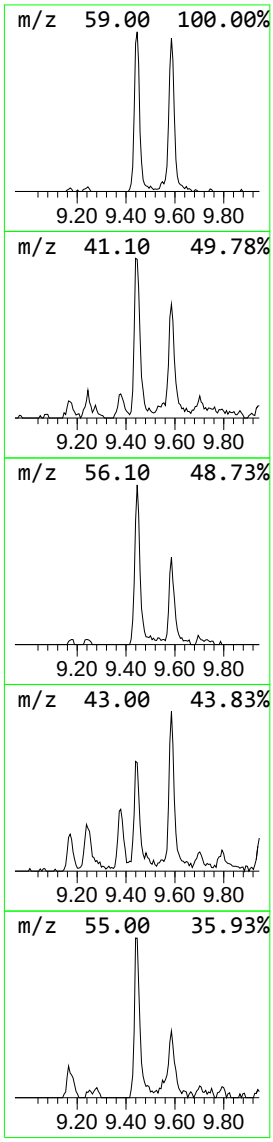
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 unknown9.445 Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.445 | 6.28 ug/l | 49175 | Chlorobenzene-d5 | 10.049 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propane, 2-methyl-2-(1-methyleth... | 116 | C7H16O | 017348-59-3 | 43 |
| 2 | 2-Pentanol, 2,4-dimethyl- | 116 | C7H16O | 000625-06-9 | 38 |
| 3 | 3-Octanol | 130 | C8H18O | 000589-98-0 | 33 |
| 4 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 32 |
| 5 | 3-Hexanol, 4-ethyl- | 130 | C8H18O | 019780-44-0 | 28 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052225\
Data File : VX046316.D
Acq On : 22 May 2025 10:03
Operator : JC/MD
Sample : Q2102-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
LAW-25-0078

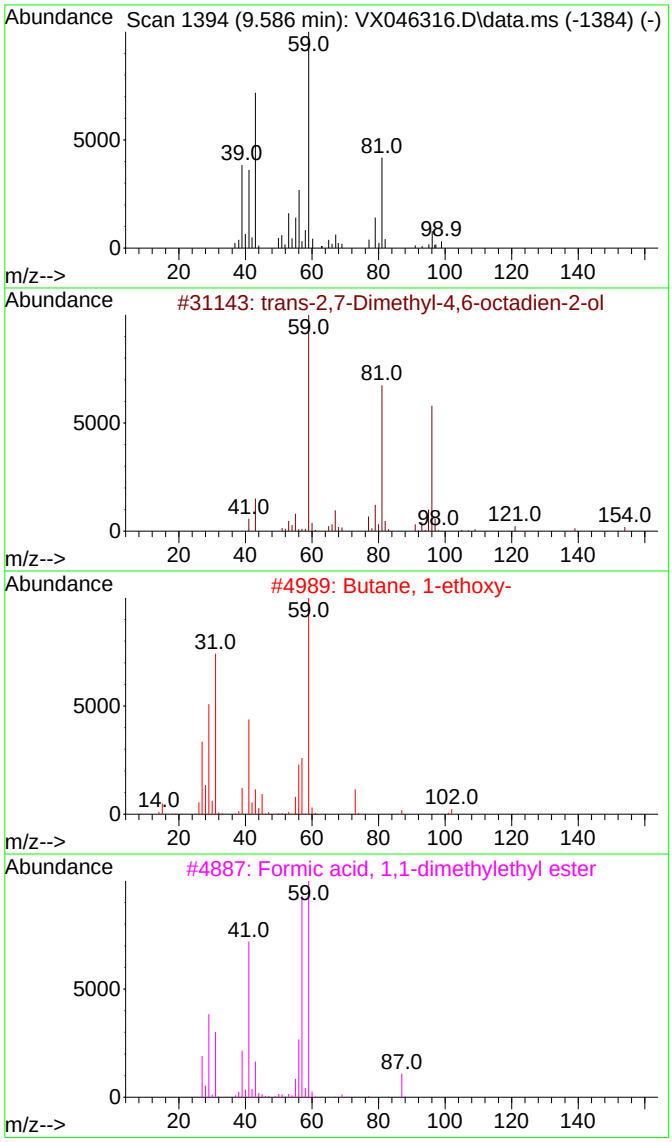
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

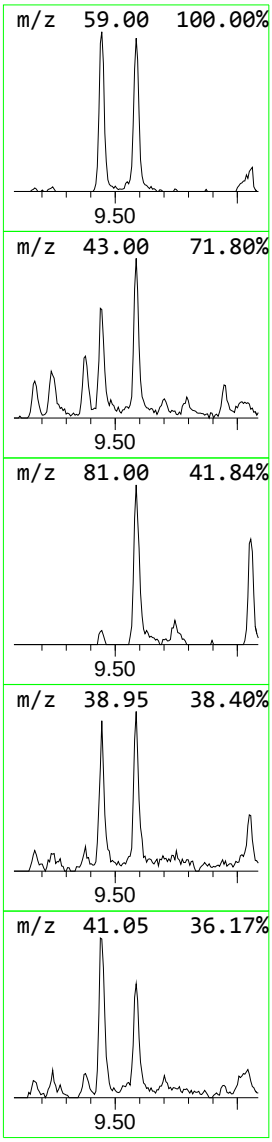
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 trans-2,7-Dimethyl-4,6-octa... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.586 | 5.95 ug/l | 46607 | Chlorobenzene-d5 | 10.049 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | trans-2,7-Dimethyl-4,6-octadien-... | 154 | C10H18O | 1010281-69-5 | 53 |
| 2 | Butane, 1-ethoxy- | 102 | C6H14O | 000628-81-9 | 37 |
| 3 | Formic acid, 1,1-dimethylethyl e... | 102 | C5H10O2 | 000762-75-4 | 25 |
| 4 | o-Menthan-8-ol | 156 | C10H20O | 343855-44-7 | 23 |
| 5 | 2-Hydroxy-2,6-dimethyl-hept-6-en... | 156 | C9H16O2 | 001068-82-2 | 23 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052225\
Data File : VX046316.D
Acq On : 22 May 2025 10:03
Operator : JC/MD
Sample : Q2102-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
LAW-25-0078

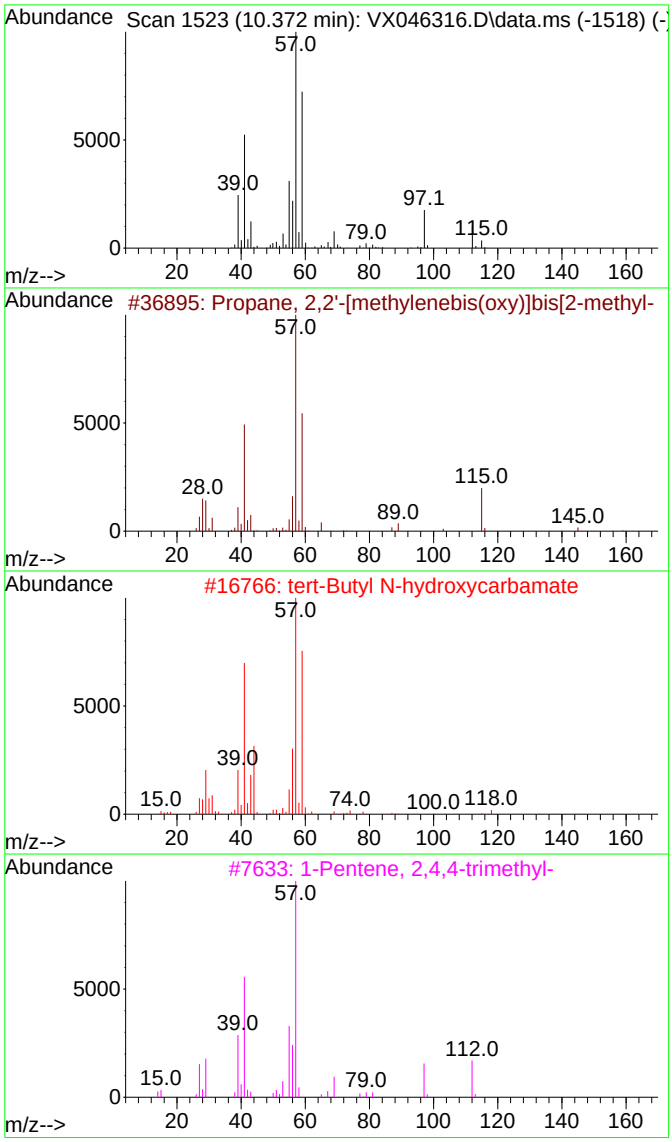
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

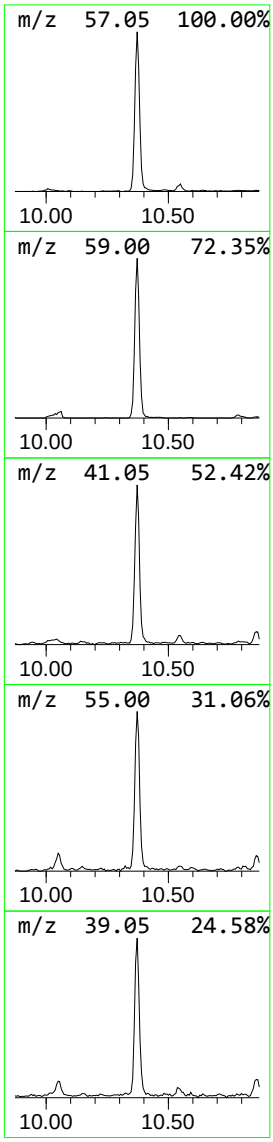
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 Propane, 2,2'-[methylenebis... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.372 | 23.91 ug/l | 187297 | Chlorobenzene-d5 | 10.049 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propane, 2,2'-[methylenebis(oxy)... | 160 | C9H20O2 | 002568-93-6 | 59 |
| 2 | tert-Butyl N-hydroxycarbamate | 133 | C5H11NO3 | 036016-38-3 | 53 |
| 3 | 1-Pentene, 2,4,4-trimethyl- | 112 | C8H16 | 000107-39-1 | 49 |
| 4 | 1-Hexene, 5,5-dimethyl- | 112 | C8H16 | 007116-86-1 | 43 |
| 5 | Formic acid, 1,1-dimethylethyl e... | 102 | C5H10O2 | 000762-75-4 | 42 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052225\
Data File : VX046316.D
Acq On : 22 May 2025 10:03
Operator : JC/MD
Sample : Q2102-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
LAW-25-0078

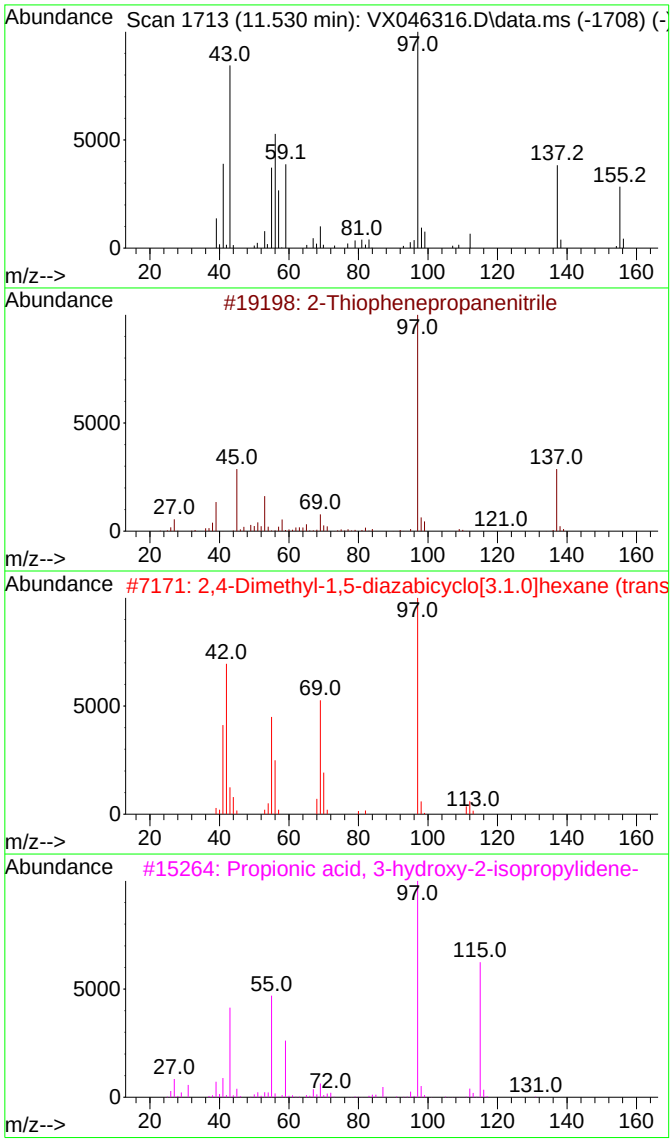
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

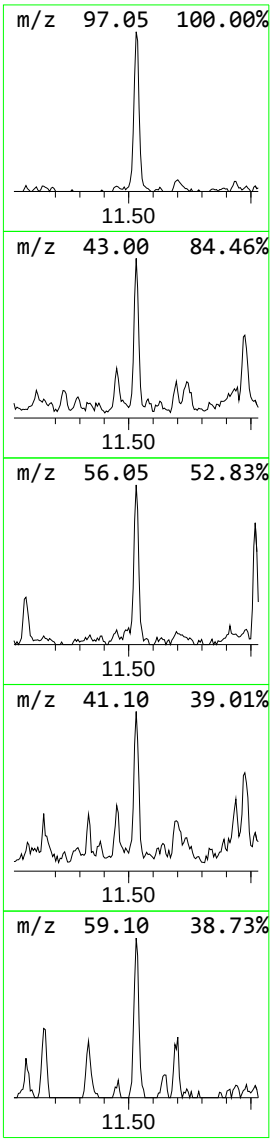
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 unknown11.530 Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.530 | 6.45 ug/l | 44938 | 1,4-Dichlorobenzene-d4 | 12.018 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Thiophenepropanenitrile | 137 | C7H7NS | 005722-13-4 | 38 |
| 2 | 2,4-Dimethyl-1,5-diazabicyclo[3.... | 112 | C6H12N2 | 1000283-20-9 | 35 |
| 3 | Propionic acid, 3-hydroxy-2-isop... | 130 | C6H10O3 | 1000153-27-1 | 32 |
| 4 | 1H-Pyrazol-4-amine, 3-methyl- | 97 | C4H7N3 | 1010338-28-2 | 32 |
| 5 | Cyclohexanone, 3-butyl- | 154 | C10H18O | 039178-69-3 | 27 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052225\
Data File : VX046316.D
Acq On : 22 May 2025 10:03
Operator : JC/MD
Sample : Q2102-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
LAW-25-0078

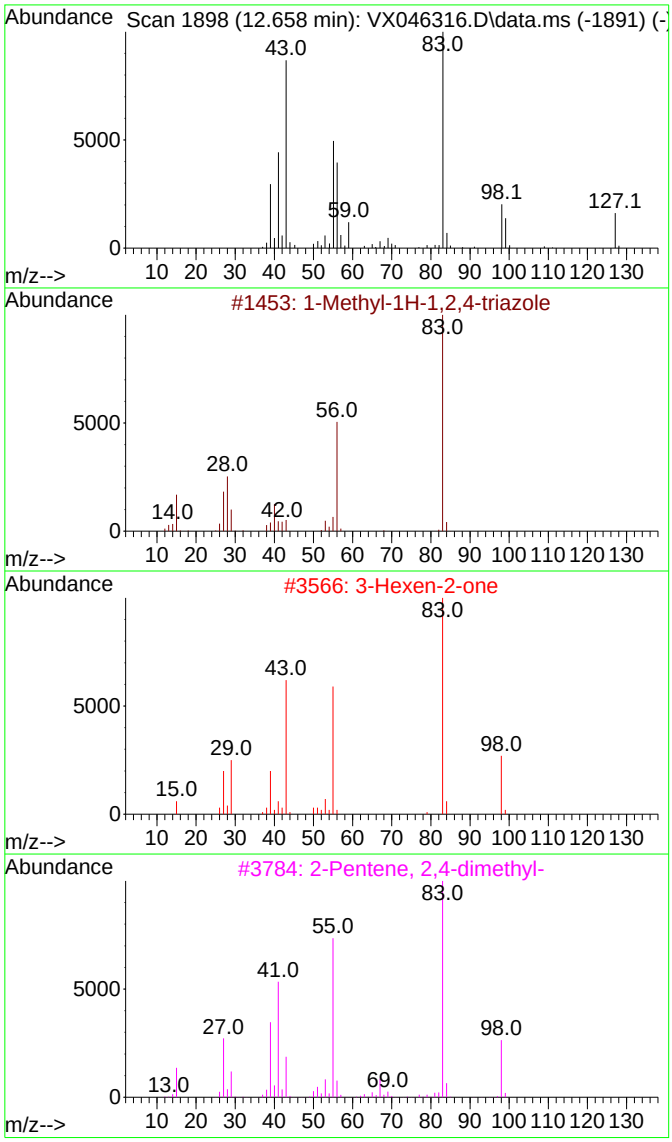
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

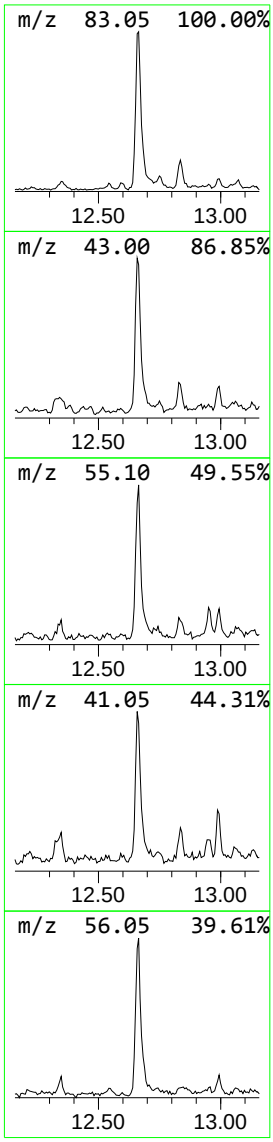
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 1-Methyl-1H-1,2,4-triazole Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.658 | 14.08 ug/l | 98080 | 1,4-Dichlorobenzene-d4 | 12.018 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Methyl-1H-1,2,4-triazole | 83 | C3H5N3 | 006086-21-1 | 50 |
| 2 | 3-Hexen-2-one | 98 | C6H10O | 000763-93-9 | 49 |
| 3 | 2-Pentene, 2,4-dimethyl- | 98 | C7H14 | 000625-65-0 | 49 |
| 4 | 1H-1,2,4-Triazole, 3-methyl- | 83 | C3H5N3 | 007170-01-6 | 47 |
| 5 | 1-Butene, 2,3,3-trimethyl- | 98 | C7H14 | 000594-56-9 | 47 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052225\
Data File : VX046316.D
Acq On : 22 May 2025 10:03
Operator : JC/MD
Sample : Q2102-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
LAW-25-0078

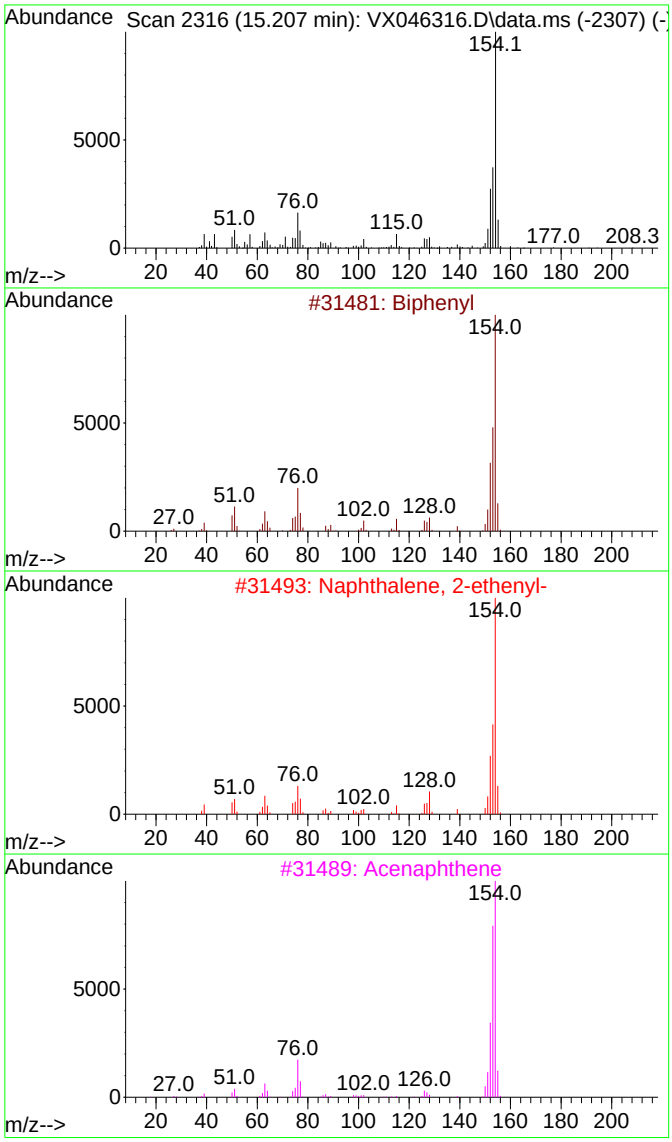
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

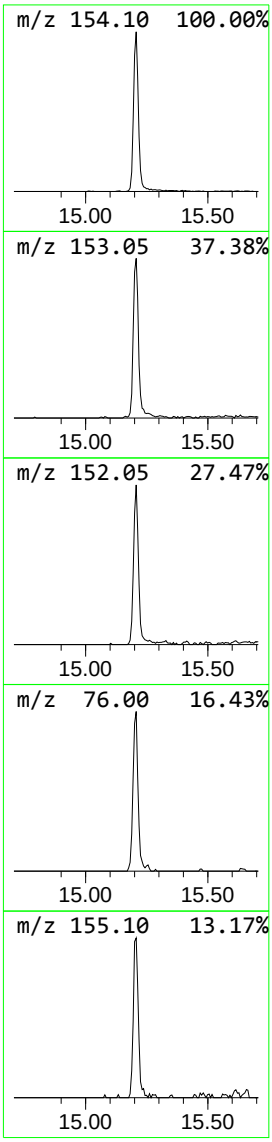
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 Biphenyl Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.207 | 22.80 ug/l | 158812 | 1,4-Dichlorobenzene-d4 | 12.018 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Biphenyl | 154 | C12H10 | 000092-52-4 | 96 |
| 2 | Naphthalene, 2-ethenyl- | 154 | C12H10 | 000827-54-3 | 74 |
| 3 | Acenaphthene | 154 | C12H10 | 000083-32-9 | 64 |
| 4 | 3-Quinolinecarbonitrile | 154 | C10H6N2 | 034846-64-5 | 53 |
| 5 | 1-(2,2-Difluoroethenyl)-4-methyl... | 154 | C9H8F2 | 1000305-64-2 | 53 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052225\
Data File : VX046316.D
Acq On : 22 May 2025 10:03
Operator : JC/MD
Sample : Q2102-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
LAW-25-0078

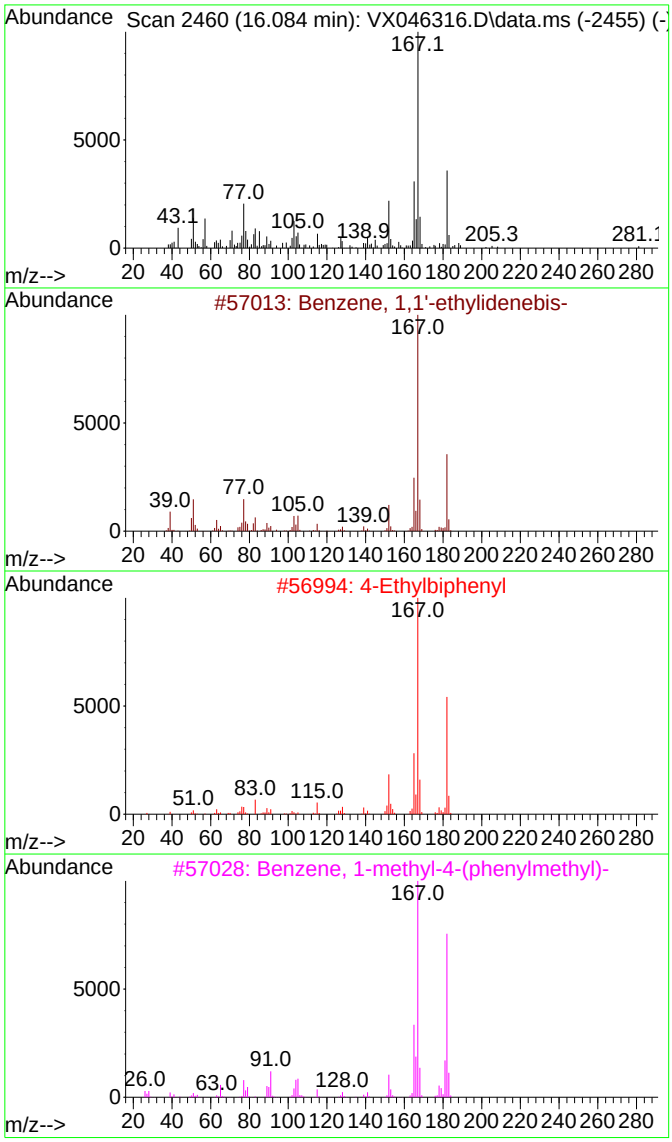
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

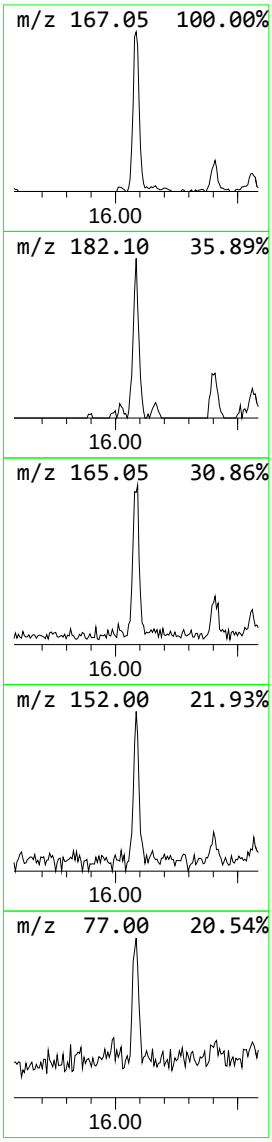
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 Benzene, 1,1'-ethylidenebis- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.084 | 8.69 ug/l | 60537 | 1,4-Dichlorobenzene-d4 | 12.018 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,1'-ethylidenebis- | 182 | C14H14 | 000612-00-0 | 96 |
| 2 | 4-Ethylbiphenyl | 182 | C14H14 | 005707-44-8 | 81 |
| 3 | Benzene, 1-methyl-4-(phenylmethyl)- | 182 | C14H14 | 000620-83-7 | 68 |
| 4 | Benzene, 1,1'-(chloromethylene)bis- | 202 | C13H11Cl | 000090-99-3 | 64 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052225\
Data File : VX046316.D
Acq On : 22 May 2025 10:03
Operator : JC/MD
Sample : Q2102-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
LAW-25-0078

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.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 |
| unknown9.445 | 9.445 | 6.3 | ug/l | 49175 | 3 | 10.049 | 391661 | 50.0 |
| trans-2,7-Dimet... | 9.586 | 6.0 | ug/l | 46607 | 3 | 10.049 | 391661 | 50.0 |
| Propane, 2,2'-[... | 10.372 | 23.9 | ug/l | 187297 | 3 | 10.049 | 391661 | 50.0 |
| unknown11.530 | 11.530 | 6.5 | ug/l | 44938 | 4 | 12.018 | 348231 | 50.0 |
| 1-Methyl-1H-1,2... | 12.658 | 14.1 | ug/l | 98080 | 4 | 12.018 | 348231 | 50.0 |
| Biphenyl | 15.207 | 22.8 | ug/l | 158812 | 4 | 12.018 | 348231 | 50.0 |
| Benzene, 1,1'-e... | 16.084 | 8.7 | ug/l | 60537 | 4 | 12.018 | 348231 | 50.0 |