LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086031.D
Acq On : 20 Mar 2025 17:57
Operator : JC\MD
Sample : Q1575-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW3

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_N\methods\82N031825W.M
Title : SW846 8260

Signal : TIC: VN086031.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.277 | 552 | 565 | 587 | rBV3 | 30057 | 123091 | 3.94% | 0.706% |
| 2 | 7.224 | 884 | 896 | 907 | rBV3 | 82395 | 235799 | 7.55% | 1.352% |
| 3 | 8.165 | 1046 | 1056 | 1060 | rBV2 | 131227 | 310694 | 9.95% | 1.781% |
| 4 | 8.224 | 1060 | 1066 | 1074 | rVV | 228580 | 521160 | 16.69% | 2.987% |
| 5 | 8.324 | 1074 | 1083 | 1095 | rVB | 261555 | 623923 | 19.98% | 3.576% |
| 6 | 8.441 | 1095 | 1103 | 1110 | rBV2 | 22150 | 45891 | 1.47% | 0.263% |
| 7 | 8.577 | 1117 | 1126 | 1135 | rVB | 132507 | 291991 | 9.35% | 1.674% |
| 8 | 8.759 | 1139 | 1157 | 1168 | rVV | 1326508 | 3123467 | 100.00% | 17.904% |
| 9 | 8.847 | 1168 | 1172 | 1184 | rVB4 | 18250 | 42329 | 1.36% | 0.243% |
| 10 | 9.100 | 1206 | 1215 | 1224 | rBV | 324489 | 661781 | 21.19% | 3.793% |
| 11 | 9.588 | 1287 | 1298 | 1303 | rBV3 | 133369 | 323968 | 10.37% | 1.857% |
| 12 | 9.641 | 1303 | 1307 | 1313 | rVB | 114691 | 205046 | 6.56% | 1.175% |
| 13 | 9.724 | 1313 | 1321 | 1328 | rBV | 106000 | 214313 | 6.86% | 1.228% |
| 14 | 10.012 | 1360 | 1370 | 1380 | rBV | 860561 | 1671251 | 53.51% | 9.580% |
| 15 | 10.141 | 1380 | 1392 | 1405 | rBV | 1416617 | 2841555 | 90.97% | 16.288% |
| 16 | 10.318 | 1414 | 1422 | 1439 | rVB4 | 53583 | 156374 | 5.01% | 0.896% |
| 17 | 10.494 | 1444 | 1452 | 1457 | rVV | 155163 | 275565 | 8.82% | 1.580% |
| 18 | 10.565 | 1457 | 1464 | 1477 | rVB | 563156 | 1035778 | 33.16% | 5.937% |
| 19 | 10.741 | 1488 | 1494 | 1504 | rVB7 | 20207 | 59323 | 1.90% | 0.340% |
| 20 | 10.912 | 1516 | 1523 | 1529 | rBV5 | 19034 | 41108 | 1.32% | 0.236% |
| 21 | 11.006 | 1529 | 1539 | 1544 | rBV6 | 41742 | 98377 | 3.15% | 0.564% |
| 22 | 11.170 | 1557 | 1567 | 1572 | rBV | 79313 | 152189 | 4.87% | 0.872% |
| 23 | 11.241 | 1572 | 1579 | 1592 | rVB | 479240 | 872156 | 27.92% | 4.999% |
| 24 | 11.865 | 1673 | 1685 | 1691 | rBV | 455241 | 856029 | 27.41% | 4.907% |
| 25 | 11.923 | 1691 | 1695 | 1700 | rVB2 | 20737 | 35371 | 1.13% | 0.203% |
| 26 | 12.106 | 1721 | 1726 | 1732 | rBV3 | 24374 | 37425 | 1.20% | 0.215% |
| 27 | 12.570 | 1797 | 1805 | 1816 | rVV7 | 12867 | 34811 | 1.11% | 0.200% |
| 28 | 12.847 | 1838 | 1852 | 1860 | rVV2 | 397412 | 805629 | 25.79% | 4.618% |
| 29 | 12.988 | 1871 | 1876 | 1879 | rVV4 | 23945 | 47791 | 1.53% | 0.274% |
| 30 | 13.029 | 1879 | 1883 | 1890 | rVB | 31383 | 57295 | 1.83% | 0.328% |
| 31 | 13.188 | 1902 | 1910 | 1916 | rBV7 | 15151 | 37213 | 1.19% | 0.213% |
| 32 | 13.423 | 1939 | 1950 | 1957 | rBV | 31920 | 56607 | 1.81% | 0.324% |
| 33 | 13.641 | 1974 | 1987 | 1996 | rVV4 | 50586 | 117397 | 3.76% | 0.673% |
| 34 | 13.788 | 2002 | 2012 | 2017 | rBV | 420361 | 724389 | 23.19% | 4.152% |
| 35 | 13.835 | 2017 | 2020 | 2030 | rVB | 65481 | 121317 | 3.88% | 0.695% |
| 36 | 13.947 | 2035 | 2039 | 2043 | rBV2 | 24165 | 35184 | 1.13% | 0.202% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086031.D
Acq On : 20 Mar 2025 17:57
Operator : JC\MD
Sample : Q1575-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW3

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_N\methods\82N031825W.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 13.994 | 2043 | 2047 | 2052 | rBV3 | 53592 | 89683 | 2.87% | 0.514% |
| 38 | 14.123 | 2063 | 2069 | 2074 | rBV6 | 21213 | 46478 | 1.49% | 0.266% |
| 39 | 14.264 | 2085 | 2093 | 2098 | rBV7 | 21073 | 52582 | 1.68% | 0.301% |
| 40 | 14.329 | 2098 | 2104 | 2110 | rVB3 | 43156 | 76467 | 2.45% | 0.438% |
| 41 | 14.441 | 2117 | 2123 | 2128 | rVV2 | 31079 | 53925 | 1.73% | 0.309% |
| 42 | 14.623 | 2149 | 2154 | 2156 | rBV2 | 37539 | 58255 | 1.87% | 0.334% |
| 43 | 14.735 | 2167 | 2173 | 2181 | rBV4 | 25028 | 59514 | 1.91% | 0.341% |
| 44 | 14.923 | 2200 | 2205 | 2210 | rBV4 | 20124 | 37041 | 1.19% | 0.212% |
| 45 | 15.047 | 2216 | 2226 | 2232 | rVB7 | 25576 | 77652 | 2.49% | 0.445% |

Sum of corrected areas: 17445184

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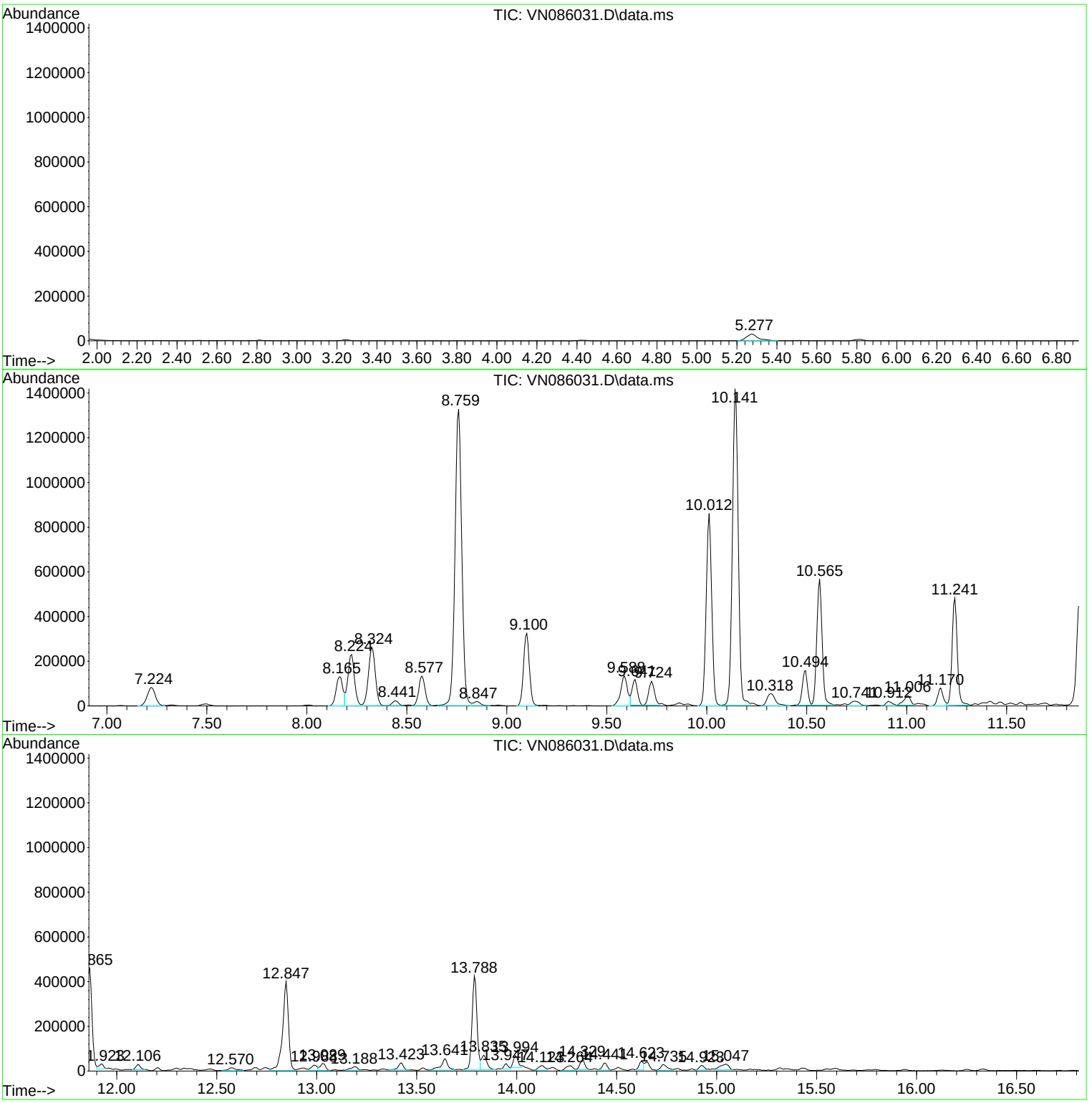
Sample : Q1575-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086031.D
Acq On : 20 Mar 2025 17:57
Operator : JC\MD
Sample : Q1575-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

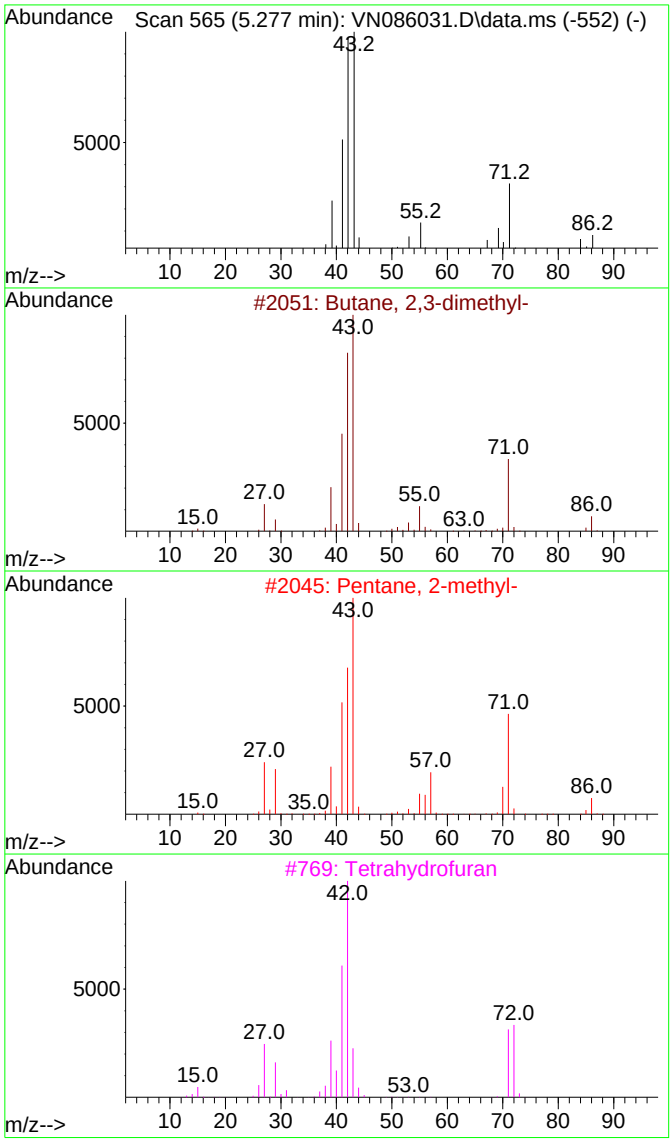
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

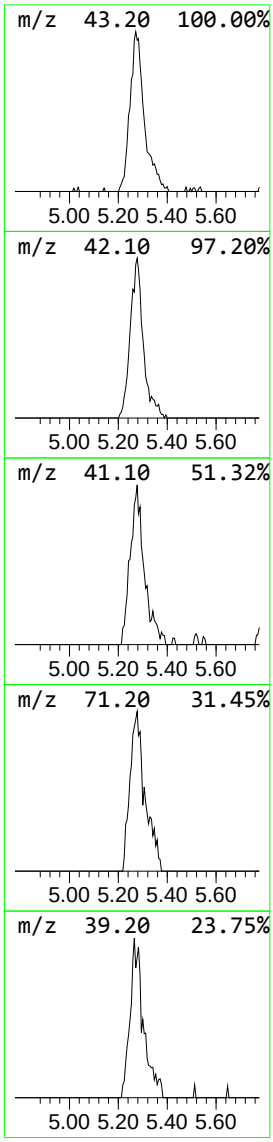
**********

Peak Number 1 Butane, 2,3-dimethyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.277 | 11.81 ug/l | 123091 | Pentafluorobenzene | 8.224 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2,3-dimethyl- | 86 | C6H14 | 000079-29-8 | 87 |
| 2 | Pentane, 2-methyl- | 86 | C6H14 | 000107-83-5 | 53 |
| 3 | Tetrahydrofuran | 72 | C4H8O | 000109-99-9 | 33 |
| 4 | 1-Pentene | 70 | C5H10 | 000109-67-1 | 28 |
| 5 | Pentane, 3-ethyl-2-methyl- | 114 | C8H18 | 000609-26-7 | 17 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086031.D
Acq On : 20 Mar 2025 17:57
Operator : JC\MD
Sample : Q1575-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

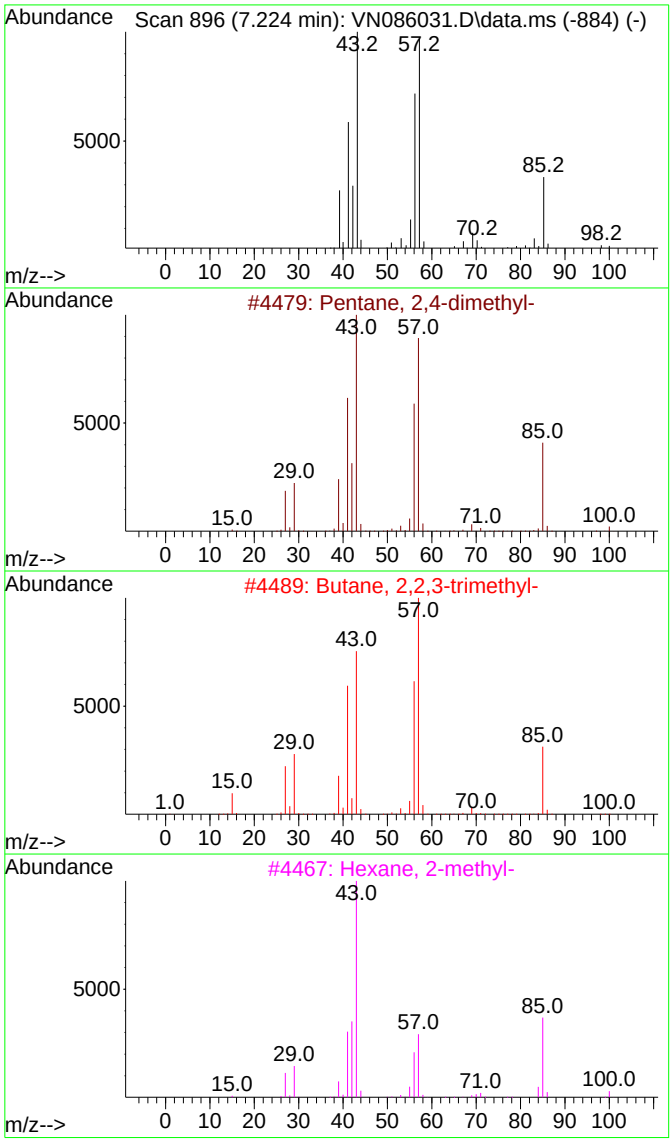
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

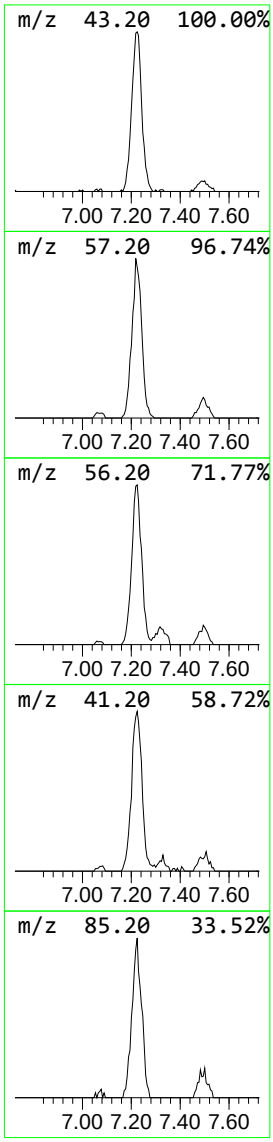
**********

Peak Number 2 Pentane, 2,4-dimethyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.224 | 22.62 ug/l | 235799 | Pentafluorobenzene | 8.224 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane, 2,4-dimethyl- | 100 | C7H16 | 000108-08-7 | 91 |
| 2 | Butane, 2,2,3-trimethyl- | 100 | C7H16 | 000464-06-2 | 64 |
| 3 | Hexane, 2-methyl- | 100 | C7H16 | 000591-76-4 | 64 |
| 4 | Pentane, 2,2,3,4-tetramethyl- | 128 | C9H20 | 001186-53-4 | 53 |
| 5 | Pentane, 2,2-dimethyl- | 100 | C7H16 | 000590-35-2 | 53 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086031.D
Acq On : 20 Mar 2025 17:57
Operator : JC\MD
Sample : Q1575-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW3

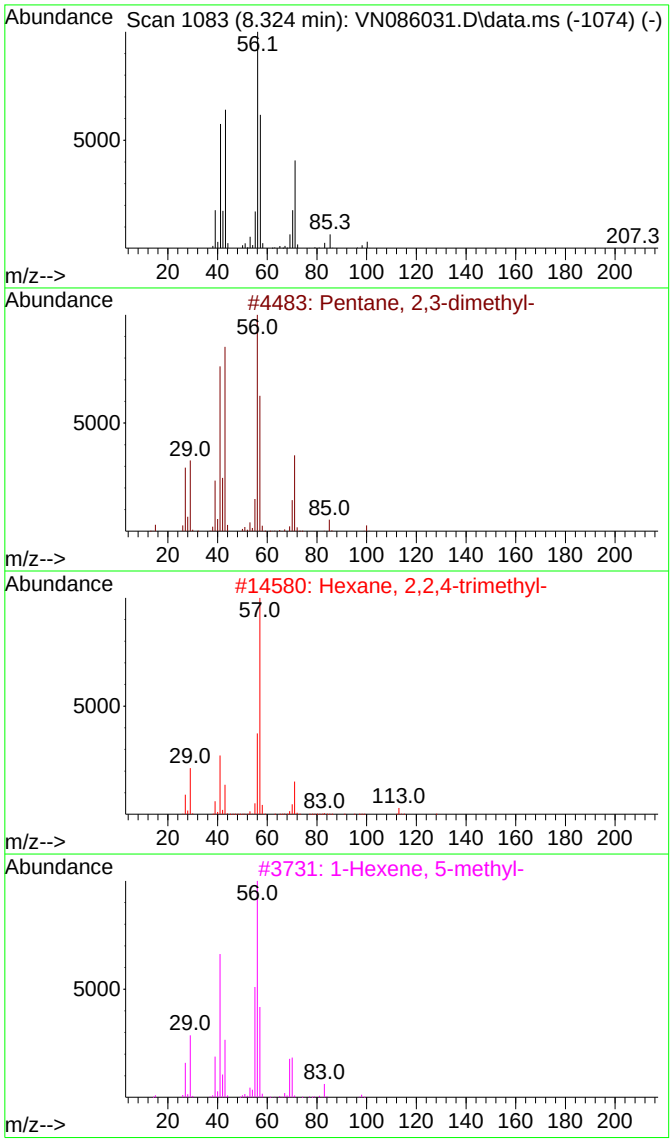
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

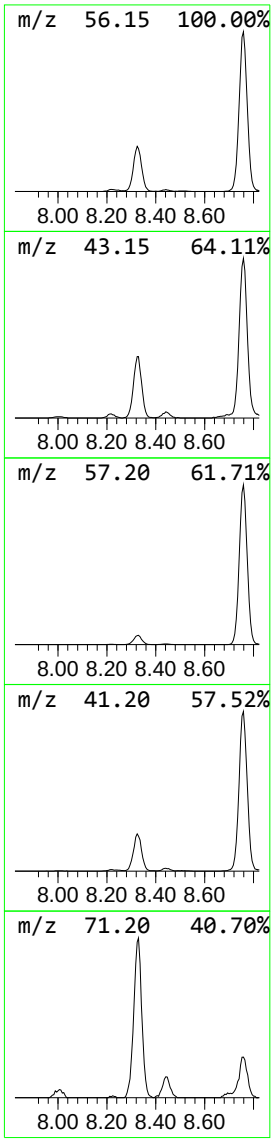
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 Pentane, 2,3-dimethyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.324 | 59.86 ug/l | 623923 | Pentafluorobenzene | 8.224 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane, 2,3-dimethyl- | 100 | C7H16 | 000565-59-3 | 91 |
| 2 | Hexane, 2,2,4-trimethyl- | 128 | C9H20 | 016747-26-5 | 56 |
| 3 | 1-Hexene, 5-methyl- | 98 | C7H14 | 003524-73-0 | 50 |
| 4 | Oxirane, (1-methylethyl)- | 86 | C5H10O | 001438-14-8 | 43 |
| 5 | Heptane | 100 | C7H16 | 000142-82-5 | 43 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086031.D
Acq On : 20 Mar 2025 17:57
Operator : JC\MD
Sample : Q1575-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW3

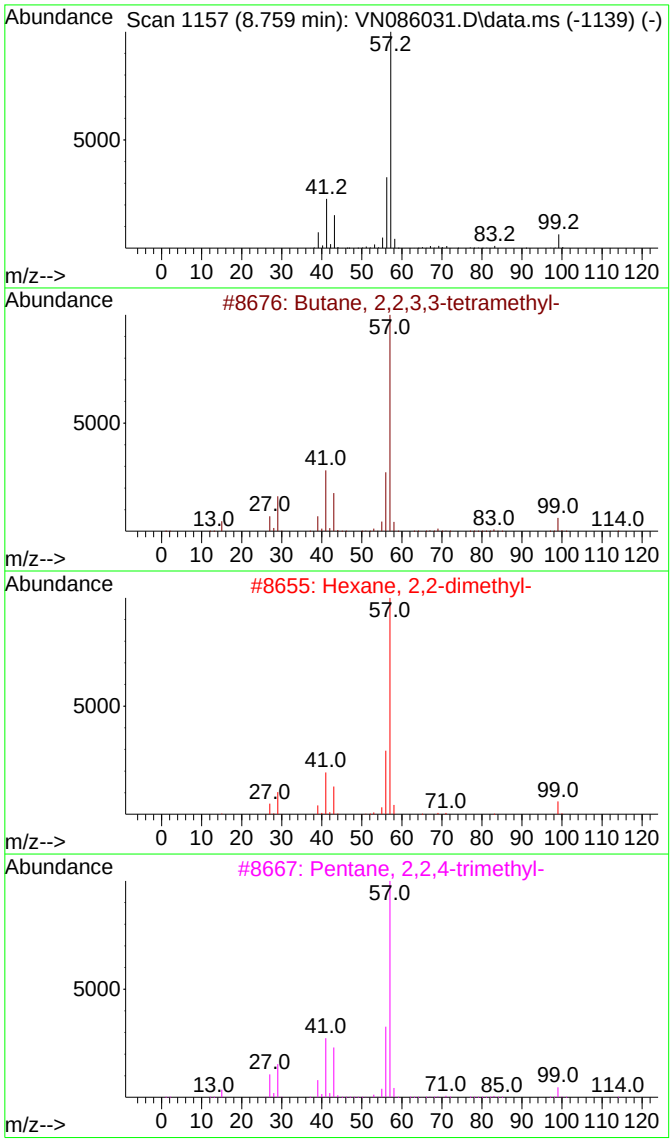
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

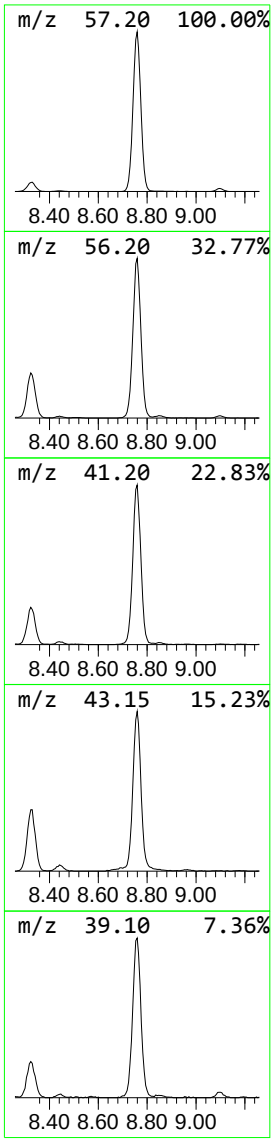
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.759 | 235.99 ug/l | 3123470 | 1,4-Difluorobenzene | 9.100 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2,2,3,3-tetramethyl- | 114 | C8H18 | 000594-82-1 | 78 |
| 2 | Hexane, 2,2-dimethyl- | 114 | C8H18 | 000590-73-8 | 78 |
| 3 | Pentane, 2,2,4-trimethyl- | 114 | C8H18 | 000540-84-1 | 78 |
| 4 | Hexane, 2,2,4-trimethyl- | 128 | C9H20 | 016747-26-5 | 72 |
| 5 | Pentane, 2,2,4,4-tetramethyl- | 128 | C9H20 | 001070-87-7 | 64 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086031.D
Acq On : 20 Mar 2025 17:57
Operator : JC\MD
Sample : Q1575-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW3

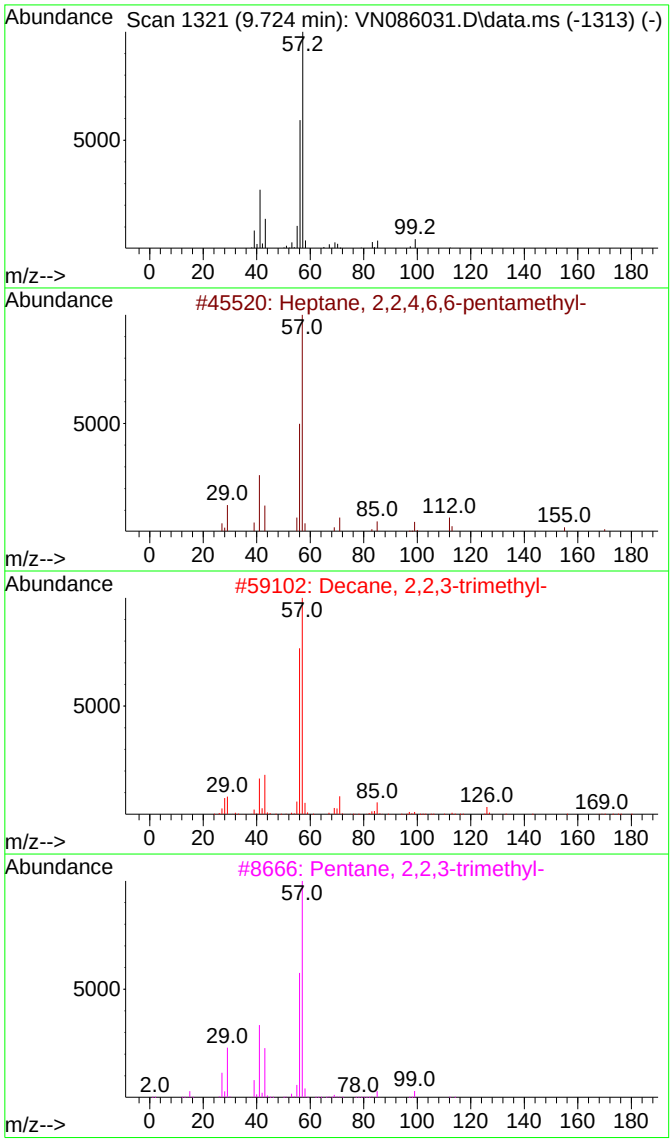
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

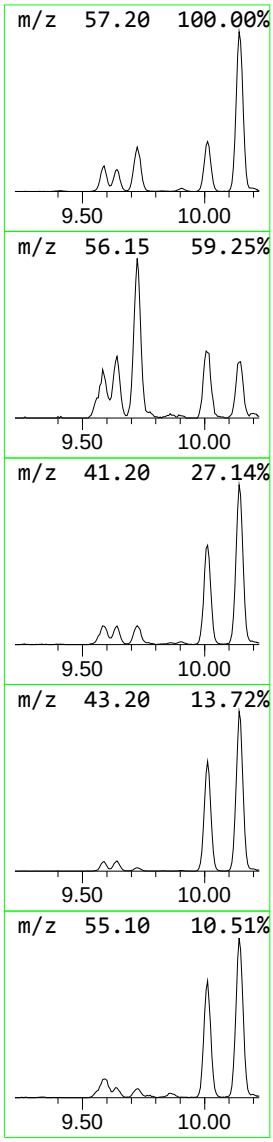
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 Heptane, 2,2,4,6,6-pentamet... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.724 | 16.19 ug/l | 214313 | 1,4-Difluorobenzene | 9.100 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptane, 2,2,4,6,6-pentamethyl- | 170 | C12H26 | 013475-82-6 | 72 |
| 2 | Decane, 2,2,3-trimethyl- | 184 | C13H28 | 062338-09-4 | 72 |
| 3 | Pentane, 2,2,3-trimethyl- | 114 | C8H18 | 000564-02-3 | 72 |
| 4 | Pentane, 2,2,4-trimethyl- | 114 | C8H18 | 000540-84-1 | 64 |
| 5 | Pentane, 3-methyl- | 86 | C6H14 | 000096-14-0 | 59 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086031.D
Acq On : 20 Mar 2025 17:57
Operator : JC\MD
Sample : Q1575-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW3

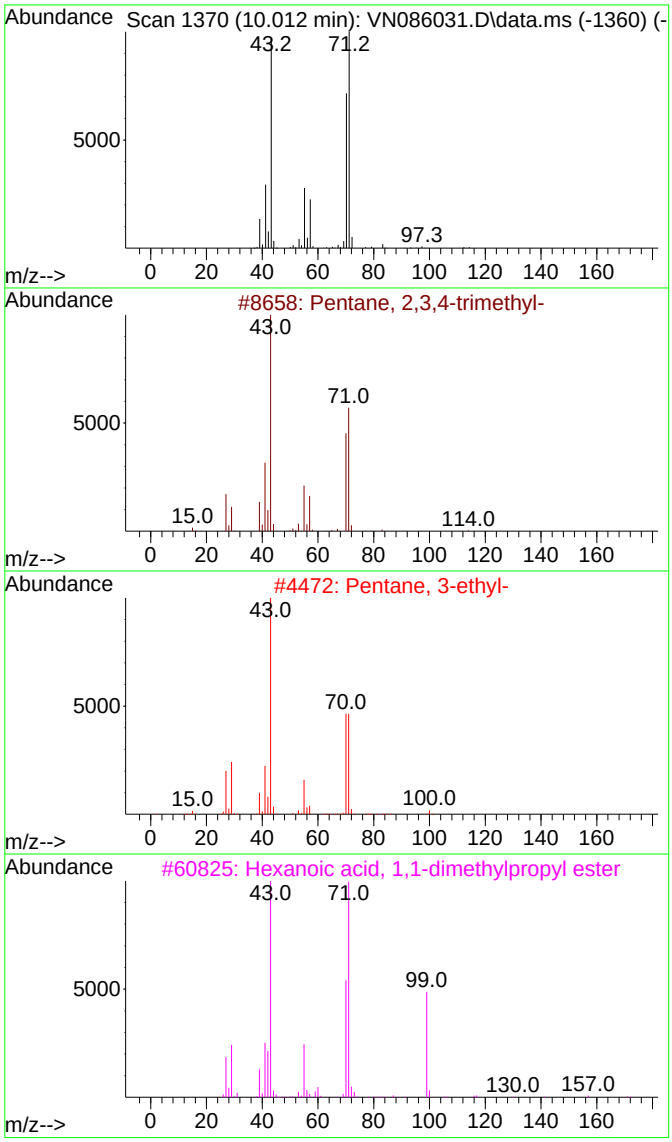
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

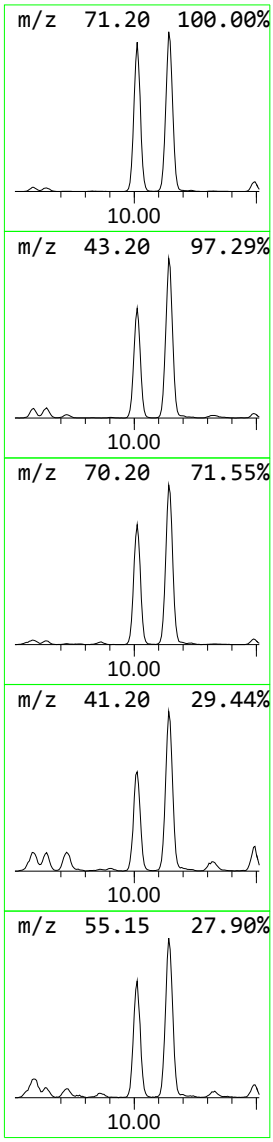
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 Pentane, 2,3,4-trimethyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.012 | 126.27 ug/l | 1671250 | 1,4-Difluorobenzene | 9.100 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane, 2,3,4-trimethyl- | 114 | C8H18 | 000565-75-3 | 91 |
| 2 | Pentane, 3-ethyl- | 100 | C7H16 | 000617-78-7 | 83 |
| 3 | Hexanoic acid, 1,1-dimethylpropy... | 186 | C11H22O2 | 116423-69-9 | 83 |
| 4 | Hexane, 3-methyl- | 100 | C7H16 | 000589-34-4 | 78 |
| 5 | Heptane, 3,3,4-trimethyl- | 142 | C10H22 | 020278-87-9 | 78 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086031.D
Acq On : 20 Mar 2025 17:57
Operator : JC\MD
Sample : Q1575-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW3

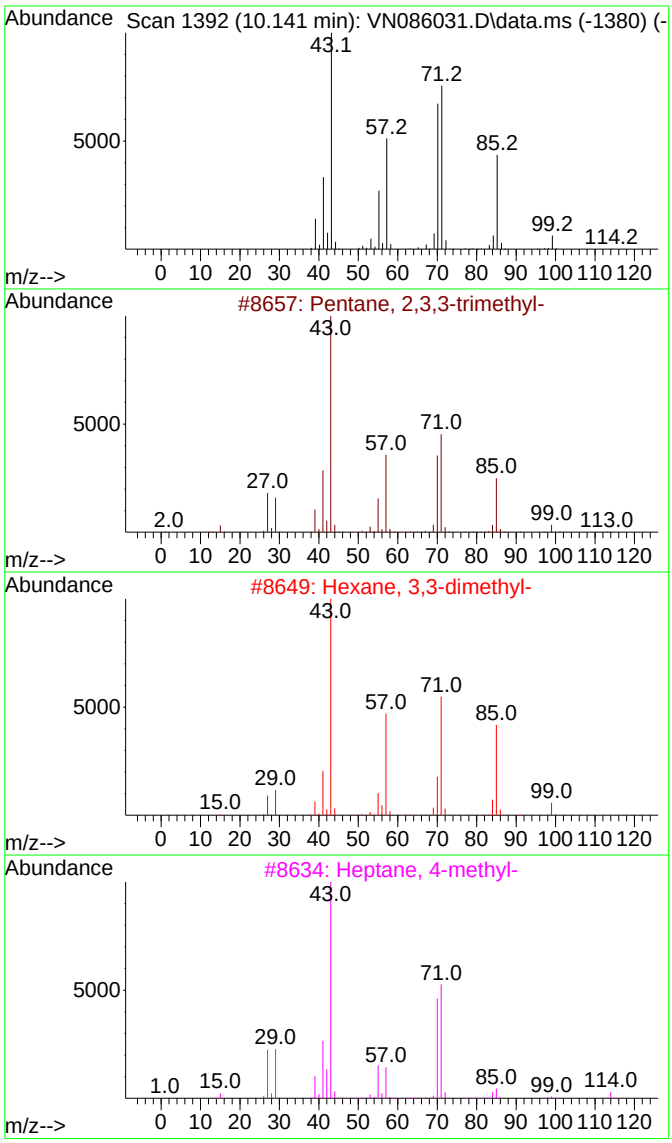
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

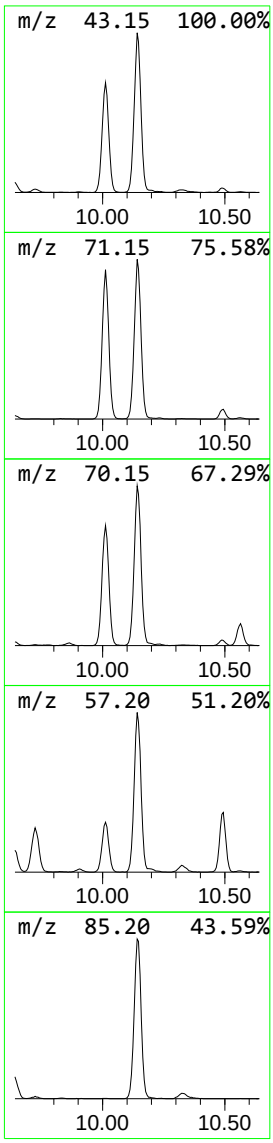
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 Pentane, 2,3,3-trimethyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.141 | 214.69 ug/l | 2841560 | 1,4-Difluorobenzene | 9.100 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane, 2,3,3-trimethyl- | 114 | C8H18 | 000560-21-4 | 90 |
| 2 | Hexane, 3,3-dimethyl- | 114 | C8H18 | 000563-16-6 | 64 |
| 3 | Heptane, 4-methyl- | 114 | C8H18 | 000589-53-7 | 59 |
| 4 | Pentane, 3-ethyl- | 100 | C7H16 | 000617-78-7 | 58 |
| 5 | Hexane, 2,3,4-trimethyl- | 128 | C9H20 | 000921-47-1 | 56 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086031.D
Acq On : 20 Mar 2025 17:57
Operator : JC\MD
Sample : Q1575-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

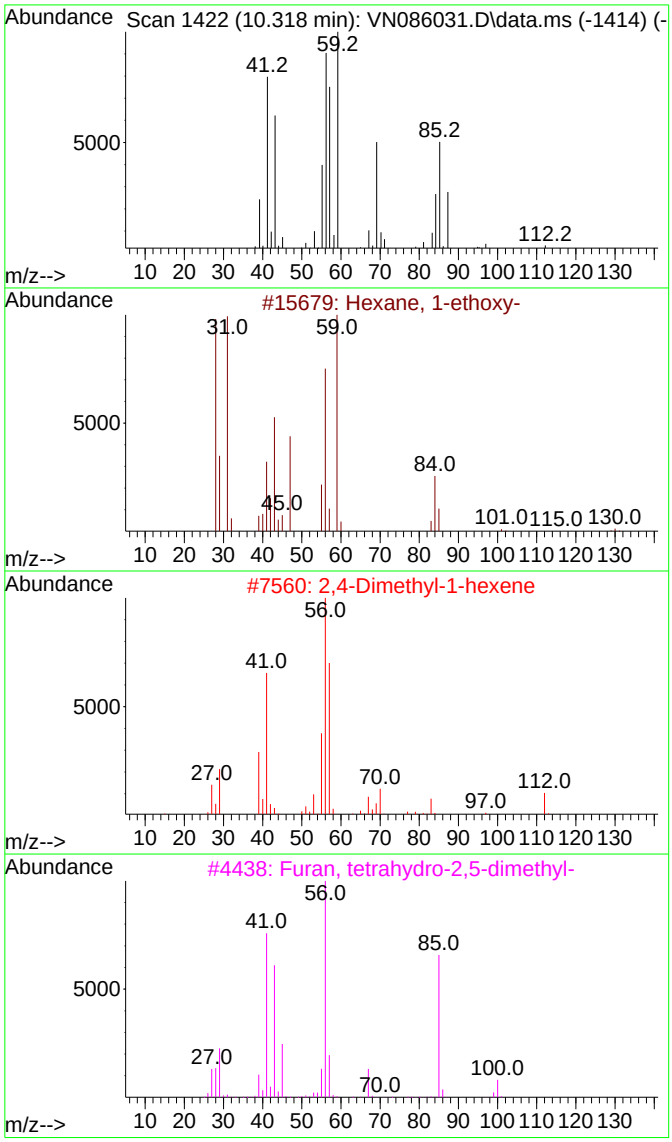
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

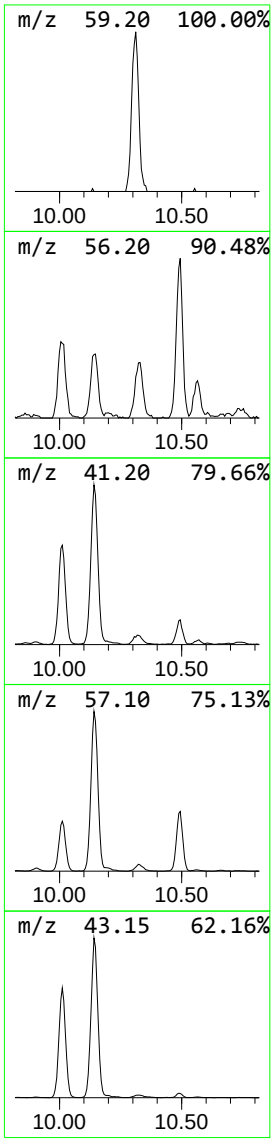
**********

Peak Number 8 unknown10.318 Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.318 | 11.81 ug/l | 156374 | 1,4-Difluorobenzene | 9.100 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexane, 1-ethoxy- | 130 | C8H18O | 005756-43-4 | 42 |
| 2 | 2,4-Dimethyl-1-hexene | 112 | C8H16 | 016746-87-5 | 38 |
| 3 | Furan, tetrahydro-2,5-dimethyl- | 100 | C6H12O | 001003-38-9 | 35 |
| 4 | Hexane, 3,4-dimethyl- | 114 | C8H18 | 000583-48-2 | 32 |
| 5 | Butanoic acid, 3-hydroxy-3-methyl- | 118 | C5H10O3 | 000625-08-1 | 27 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086031.D
Acq On : 20 Mar 2025 17:57
Operator : JC\MD
Sample : Q1575-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW3

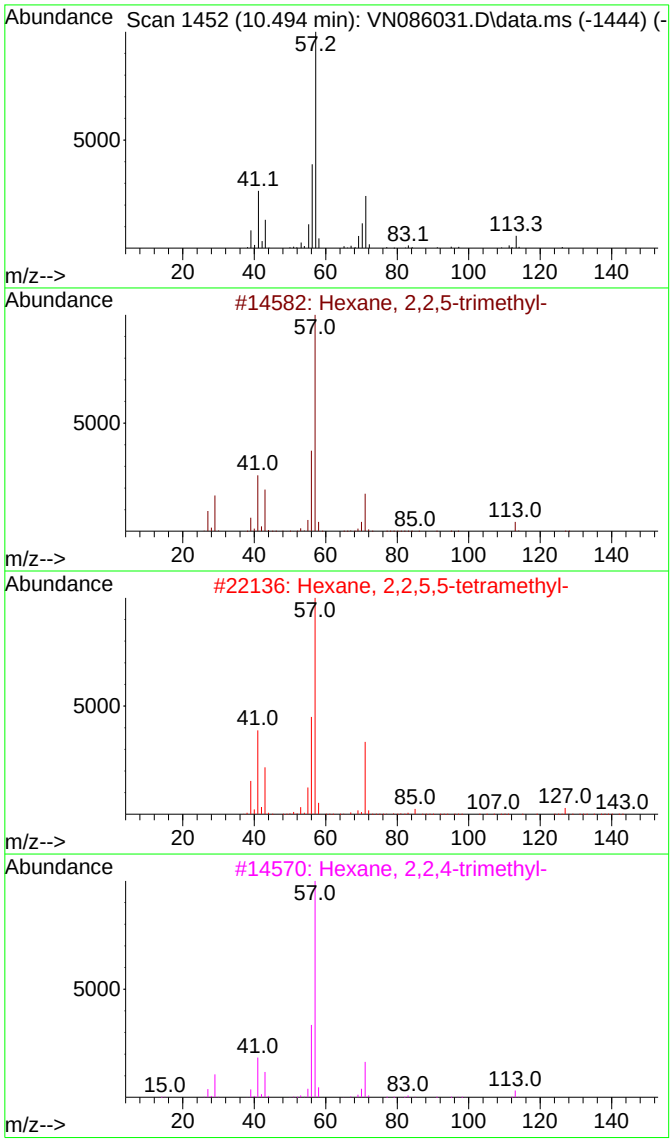
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

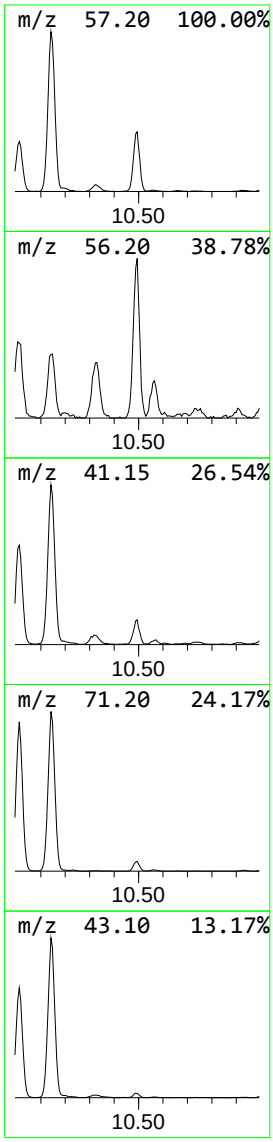
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 9 Hexane, 2,2,5-trimethyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.494 | 16.10 ug/l | 275565 | Chlorobenzene-d5 | 11.865 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexane, 2,2,5-trimethyl- | 128 | C9H20 | 003522-94-9 | 78 |
| 2 | Hexane, 2,2,5,5-tetramethyl- | 142 | C10H22 | 001071-81-4 | 64 |
| 3 | Hexane, 2,2,4-trimethyl- | 128 | C9H20 | 016747-26-5 | 64 |
| 4 | Pentane, 2,2,3,4-tetramethyl- | 128 | C9H20 | 001186-53-4 | 64 |
| 5 | Heptane, 2,2-dimethyl- | 128 | C9H20 | 001071-26-7 | 59 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086031.D
Acq On : 20 Mar 2025 17:57
Operator : JC\MD
Sample : Q1575-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

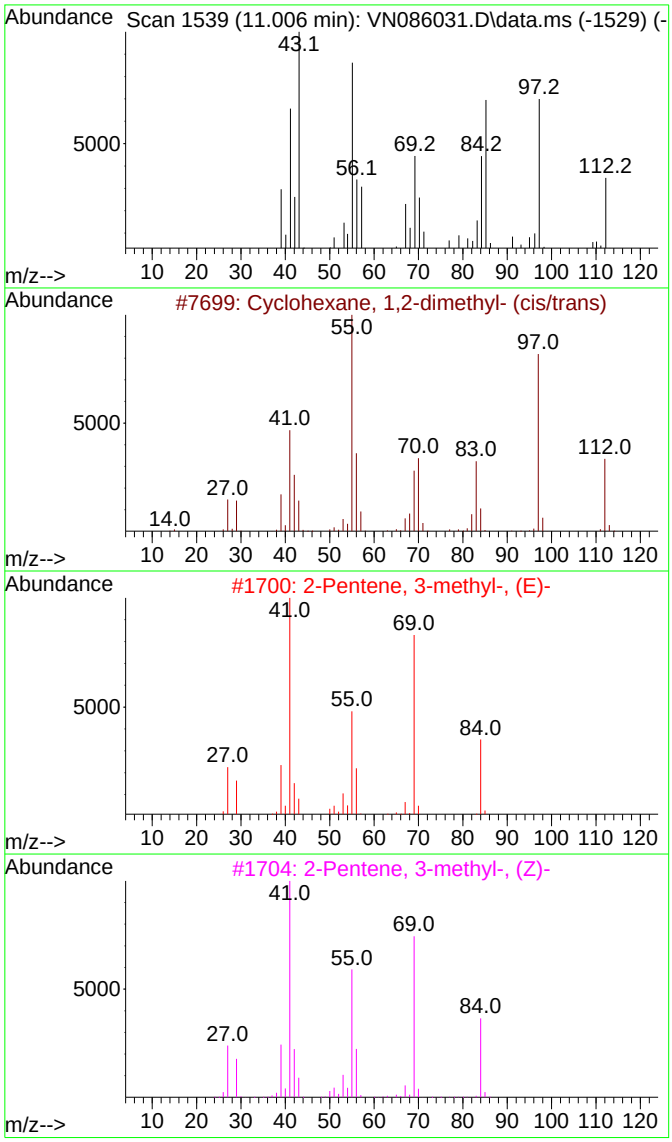
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

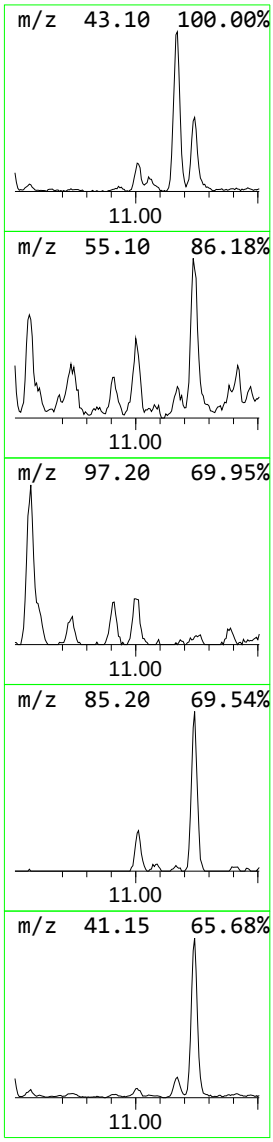
**********

Peak Number 10 unknown11.006 Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.006 | 5.75 ug/l | 98377 | Chlorobenzene-d5 | 11.865 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, 1,2-dimethyl- (cis/... | 112 | C8H16 | 000583-57-3 | 49 |
| 2 | 2-Pentene, 3-methyl-, (E)- | 84 | C6H12 | 000616-12-6 | 38 |
| 3 | 2-Pentene, 3-methyl-, (Z)- | 84 | C6H12 | 000922-62-3 | 35 |
| 4 | 4-Octene, (E)- | 112 | C8H16 | 014850-23-8 | 30 |
| 5 | Pyrrolidine, 3-methyl- | 85 | C5H11N | 034375-89-8 | 30 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086031.D
Acq On : 20 Mar 2025 17:57
Operator : JC\MD
Sample : Q1575-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW3

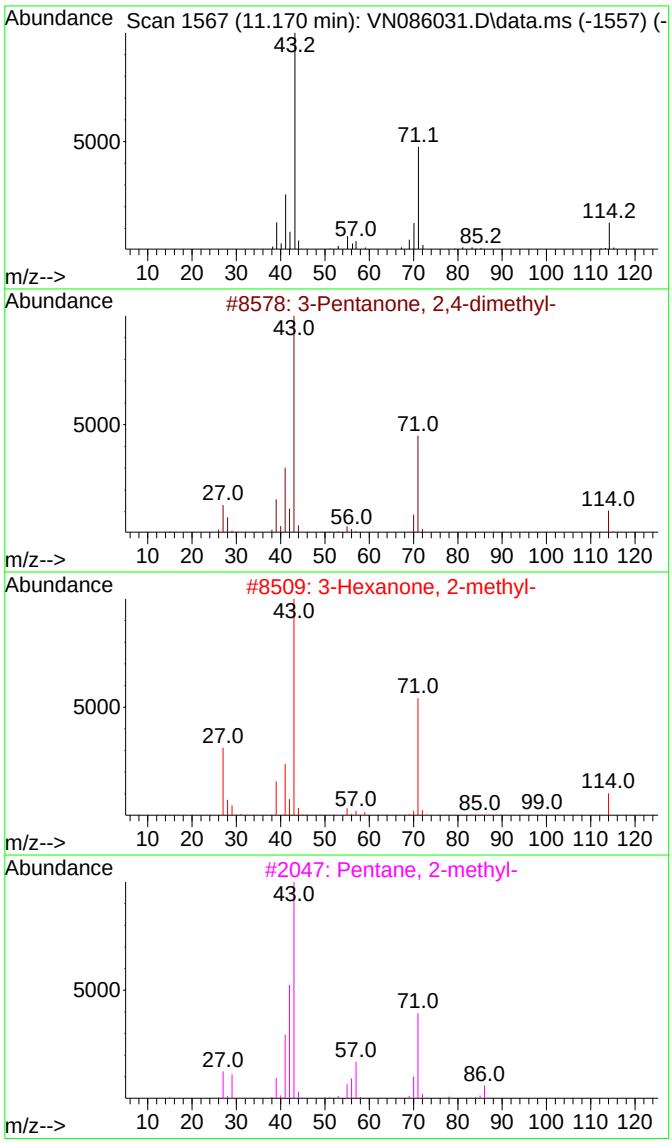
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

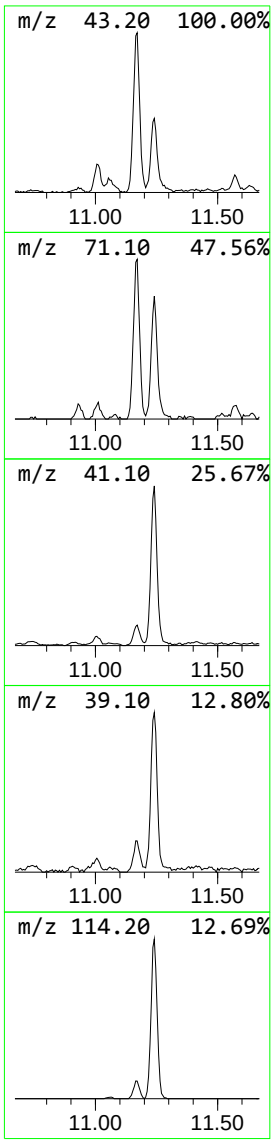
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 11 3-Pentanone, 2,4-dimethyl- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.171 | 8.89 ug/l | 152189 | Chlorobenzene-d5 | 11.865 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Pentanone, 2,4-dimethyl- | 114 | C7H14O | 000565-80-0 | 74 |
| 2 | 3-Hexanone, 2-methyl- | 114 | C7H14O | 007379-12-6 | 72 |
| 3 | Pentane, 2-methyl- | 86 | C6H14 | 000107-83-5 | 59 |
| 4 | 2,3-Hexanedione | 114 | C6H10O2 | 003848-24-6 | 53 |
| 5 | 1-Hydroxy-3-methyl-2-butanone | 102 | C5H10O2 | 036960-22-2 | 50 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086031.D
Acq On : 20 Mar 2025 17:57
Operator : JC\MD
Sample : Q1575-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW3

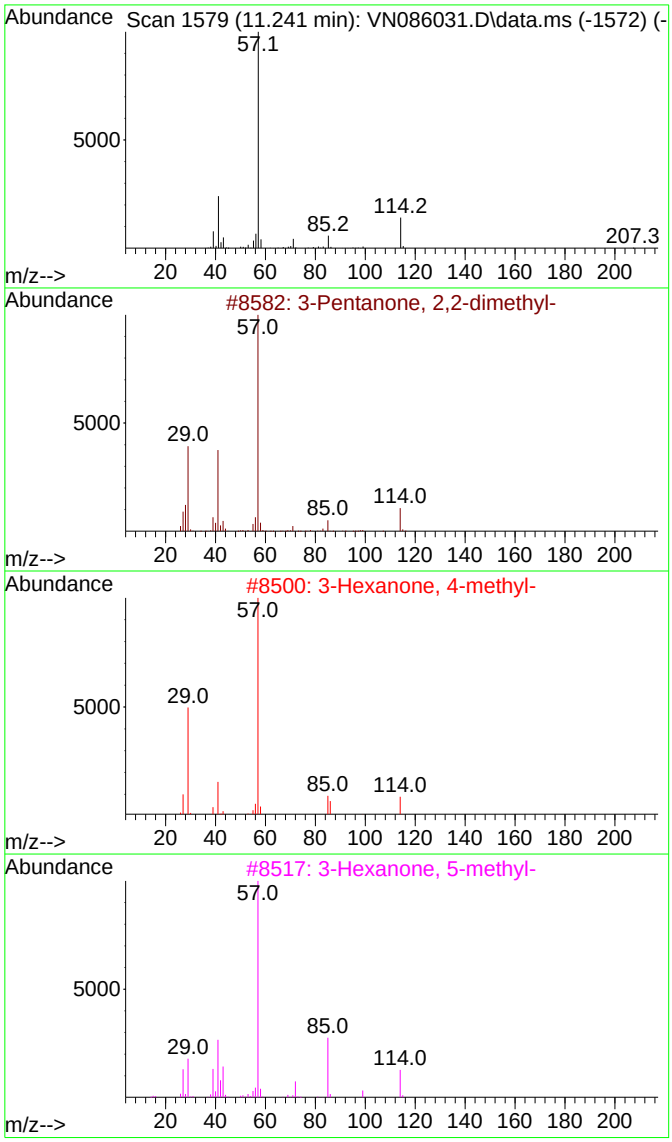
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

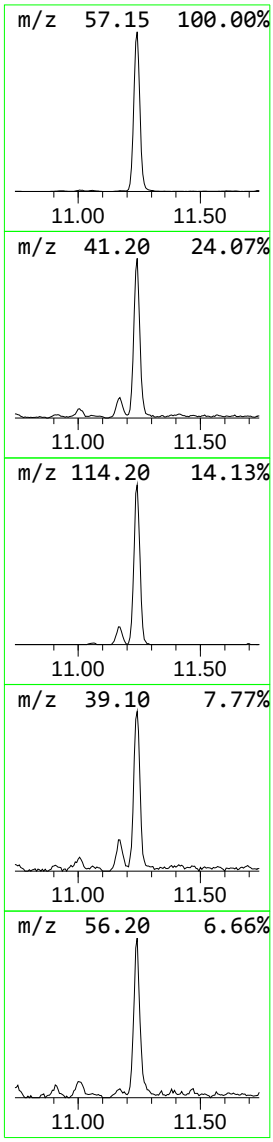
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 12 3-Pentanone, 2,2-dimethyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.241 | 50.94 ug/l | 872156 | Chlorobenzene-d5 | 11.865 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Pentanone, 2,2-dimethyl- | 114 | C7H14O | 000564-04-5 | 80 |
| 2 | 3-Hexanone, 4-methyl- | 114 | C7H14O | 017042-16-9 | 53 |
| 3 | 3-Hexanone, 5-methyl- | 114 | C7H14O | 000623-56-3 | 53 |
| 4 | 3,4-Hexanedione | 114 | C6H10O2 | 004437-51-8 | 52 |
| 5 | 3-Heptanone | 114 | C7H14O | 000106-35-4 | 50 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086031.D
Acq On : 20 Mar 2025 17:57
Operator : JC\MD
Sample : Q1575-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW3

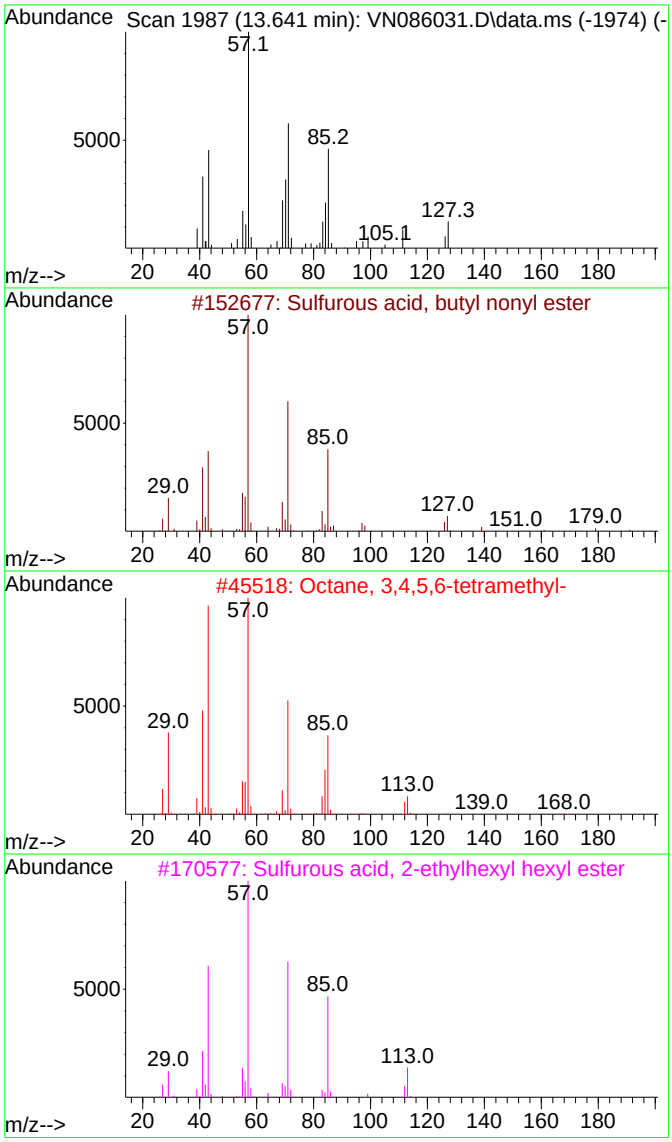
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

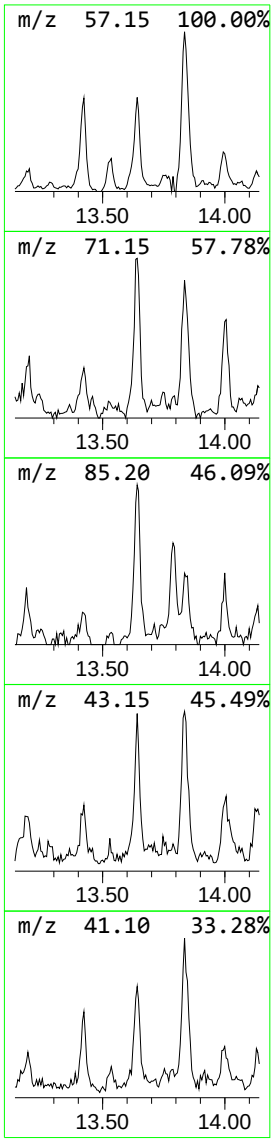
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 13 Sulfurous acid, butyl nonyl... Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.641 | 8.10 ug/l | 117397 | 1,4-Dichlorobenzene-d4 | 13.788 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Sulfurous acid, butyl nonyl ester | 264 | C13H28O3S | 1000309-17-6 | 59 |
| 2 | Octane, 3,4,5,6-tetramethyl- | 170 | C12H26 | 062185-21-1 | 53 |
| 3 | Sulfurous acid, 2-ethylhexyl hex... | 278 | C14H30O3S | 1000309-20-2 | 50 |
| 4 | Sulfurous acid, hexyl 2-pentyl e... | 236 | C11H24O3S | 1000309-15-6 | 47 |
| 5 | Tridecane, 6-methyl- | 198 | C14H30 | 013287-21-3 | 47 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086031.D
Acq On : 20 Mar 2025 17:57
Operator : JC\MD
Sample : Q1575-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW3

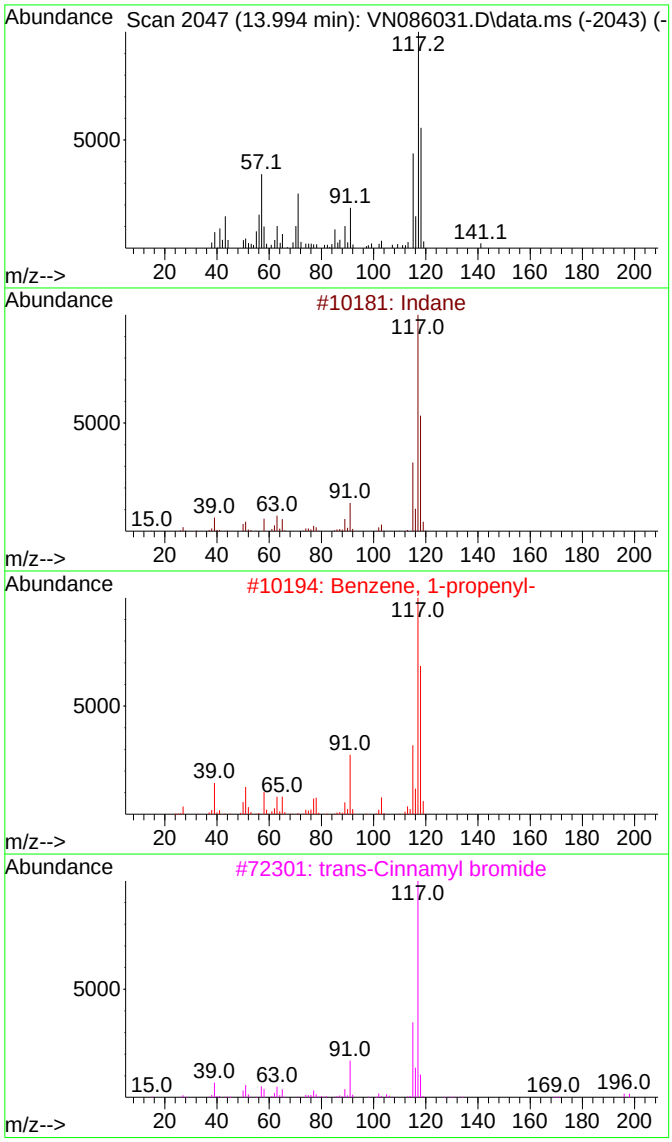
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

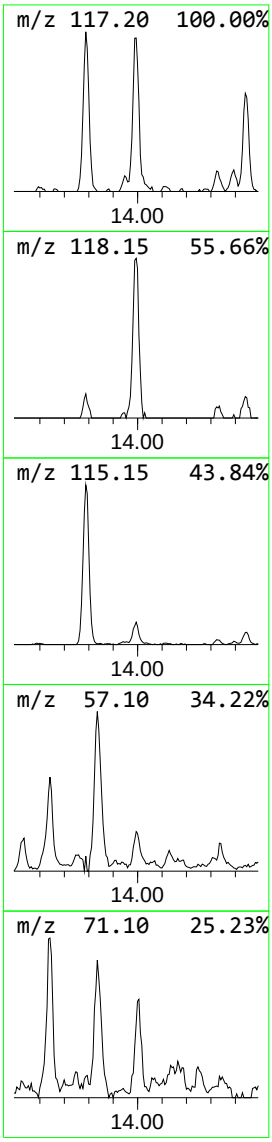
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 14 Indane Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.994 | 6.19 ug/l | 89683 | 1,4-Dichlorobenzene-d4 | 13.788 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indane | 118 | C9H10 | 000496-11-7 | 83 |
| 2 | Benzene, 1-propenyl- | 118 | C9H10 | 000637-50-3 | 52 |
| 3 | trans-Cinnamyl bromide | 196 | C9H9Br | 026146-77-0 | 50 |
| 4 | Benzene, cyclopropyl- | 118 | C9H10 | 000873-49-4 | 49 |
| 5 | Benzene, 1-ethenyl-2-methyl- | 118 | C9H10 | 000611-15-4 | 47 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086031.D
Acq On : 20 Mar 2025 17:57
Operator : JC\MD
Sample : Q1575-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW3

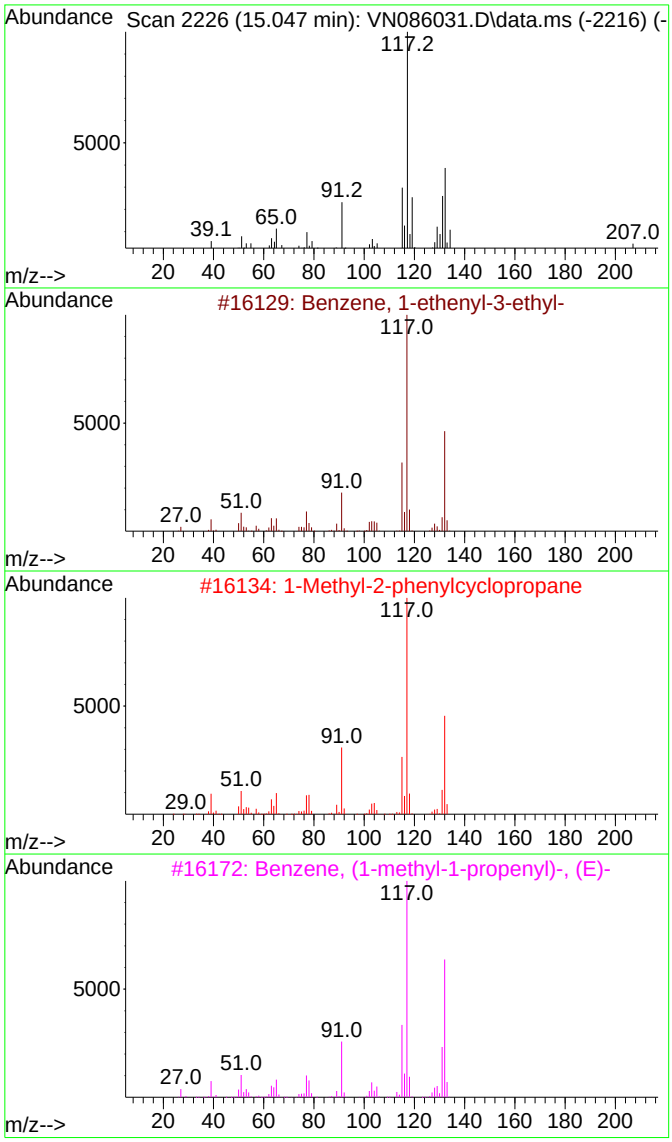
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

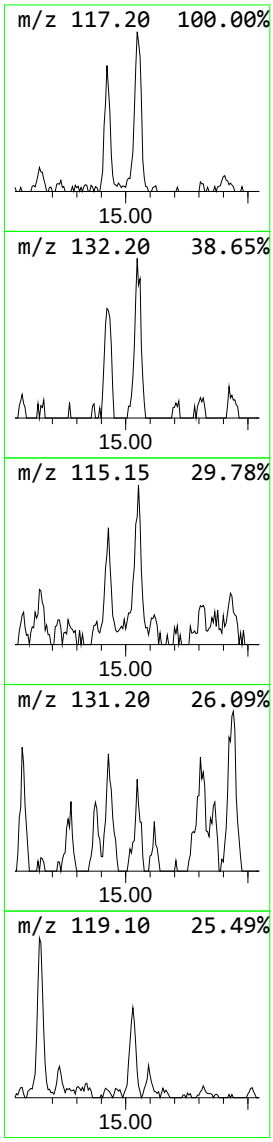
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 15 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.047 | 5.36 ug/l | 77652 | 1,4-Dichlorobenzene-d4 | 13.788 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethenyl-3-ethyl- | 132 | C10H12 | 007525-62-4 | 92 |
| 2 | 1-Methyl-2-phenylcyclopropane | 132 | C10H12 | 003145-76-4 | 76 |
| 3 | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12 | 000768-00-3 | 76 |
| 4 | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12 | 001587-04-8 | 76 |
| 5 | 1H-Indene, 2,3-dihydro-2-methyl- | 132 | C10H12 | 000824-63-5 | 76 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086031.D
Acq On : 20 Mar 2025 17:57
Operator : JC\MD
Sample : Q1575-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.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... | 5.277 | 11.8 | ug/l | 123091 | 1 | 8.224 | 521160 | 50.0 |
| Pentane, 2,4-di... | 7.224 | 22.6 | ug/l | 235799 | 1 | 8.224 | 521160 | 50.0 |
| Pentane, 2,3-di... | 8.324 | 59.9 | ug/l | 623923 | 1 | 8.224 | 521160 | 50.0 |
| Butane, 2,2,3,3... | 8.759 | 236.0 | ug/l | 3123470 | 2 | 9.100 | 661781 | 50.0 |
| Heptane, 2,2,4,... | 9.724 | 16.2 | ug/l | 214313 | 2 | 9.100 | 661781 | 50.0 |
| Pentane, 2,3,4-... | 10.012 | 126.3 | ug/l | 1671250 | 2 | 9.100 | 661781 | 50.0 |
| Pentane, 2,3,3-... | 10.141 | 214.7 | ug/l | 2841560 | 2 | 9.100 | 661781 | 50.0 |
| unknown10.318 | 10.318 | 11.8 | ug/l | 156374 | 2 | 9.100 | 661781 | 50.0 |
| Hexane, 2,2,5-t... | 10.494 | 16.1 | ug/l | 275565 | 3 | 11.865 | 856029 | 50.0 |
| unknown11.006 | 11.006 | 5.8 | ug/l | 98377 | 3 | 11.865 | 856029 | 50.0 |
| 3-Pentanone, 2,... | 11.171 | 8.9 | ug/l | 152189 | 3 | 11.865 | 856029 | 50.0 |
| 3-Pentanone, 2,... | 11.241 | 50.9 | ug/l | 872156 | 3 | 11.865 | 856029 | 50.0 |
| Sulfurous acid,... | 13.641 | 8.1 | ug/l | 117397 | 4 | 13.788 | 724389 | 50.0 |
| Indane | 13.994 | 6.2 | ug/l | 89683 | 4 | 13.788 | 724389 | 50.0 |
| Benzene, 1-ethe... | 15.047 | 5.4 | ug/l | 77652 | 4 | 13.788 | 724389 | 50.0 |