LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100521\
Data File : VX024602.D
Acq On : 06 Oct 2021 04:32
Operator : JC/MD
Sample : M3960-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 46 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** RAMB-MW06-GW

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\82X092321W.M
Title : SW846 8260

Signal : TIC: VX024602.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.246 | 22 | 26 | 33 | rBV | 16339 | 25211 | 2.85% | 0.391% |
| 2 | 1.752 | 104 | 109 | 117 | rVB | 13018 | 17715 | 2.00% | 0.275% |
| 3 | 2.337 | 199 | 205 | 210 | rBV3 | 5500 | 10294 | 1.16% | 0.160% |
| 4 | 2.782 | 270 | 278 | 283 | rBV | 22689 | 48718 | 5.51% | 0.755% |
| 5 | 2.825 | 283 | 285 | 289 | rVV3 | 7666 | 13101 | 1.48% | 0.203% |
| 6 | 2.867 | 289 | 292 | 301 | rVV4 | 4928 | 11227 | 1.27% | 0.174% |
| 7 | 3.111 | 323 | 332 | 344 | rBV3 | 16113 | 42248 | 4.78% | 0.655% |
| 8 | 4.215 | 503 | 513 | 521 | rBV3 | 19857 | 58016 | 6.56% | 0.899% |
| 9 | 4.306 | 521 | 528 | 541 | rVB3 | 13217 | 38030 | 4.30% | 0.589% |
| 10 | 5.135 | 654 | 664 | 675 | rBV5 | 4524 | 15268 | 1.73% | 0.237% |
| 11 | 5.397 | 694 | 707 | 717 | rBV | 101111 | 293384 | 33.19% | 4.547% |
| 12 | 5.562 | 724 | 734 | 740 | rBV | 152665 | 435762 | 49.30% | 6.754% |
| 13 | 5.629 | 742 | 745 | 759 | rVB | 56048 | 135269 | 15.30% | 2.097% |
| 14 | 5.836 | 768 | 779 | 789 | rVB7 | 4065 | 13873 | 1.57% | 0.215% |
| 15 | 5.964 | 789 | 800 | 809 | rBV | 107706 | 286742 | 32.44% | 4.444% |
| 16 | 6.050 | 809 | 814 | 822 | rVB3 | 9665 | 24603 | 2.78% | 0.381% |
| 17 | 6.257 | 836 | 848 | 859 | rVB | 106452 | 323349 | 36.58% | 5.012% |
| 18 | 6.367 | 859 | 866 | 876 | rVB4 | 5011 | 14644 | 1.66% | 0.227% |
| 19 | 6.769 | 922 | 932 | 944 | rBV | 248066 | 587082 | 66.42% | 9.100% |
| 20 | 7.366 | 1022 | 1030 | 1040 | rVB6 | 11645 | 33648 | 3.81% | 0.522% |
| 21 | 7.501 | 1043 | 1052 | 1057 | rBV5 | 3798 | 9505 | 1.08% | 0.147% |
| 22 | 7.568 | 1057 | 1063 | 1066 | rBV4 | 6929 | 14670 | 1.66% | 0.227% |
| 23 | 7.610 | 1066 | 1070 | 1075 | rVB | 8114 | 15259 | 1.73% | 0.237% |
| 24 | 7.988 | 1123 | 1132 | 1142 | rBV | 79606 | 153617 | 17.38% | 2.381% |
| 25 | 8.110 | 1142 | 1152 | 1161 | rBV | 132593 | 253453 | 28.67% | 3.929% |
| 26 | 8.653 | 1224 | 1241 | 1250 | rBV | 553434 | 883957 | 100.00% | 13.701% |
| 27 | 9.104 | 1309 | 1315 | 1321 | rVB2 | 5229 | 10177 | 1.15% | 0.158% |
| 28 | 10.055 | 1466 | 1471 | 1478 | rBV | 550057 | 740317 | 83.75% | 11.475% |
| 29 | 10.963 | 1614 | 1620 | 1626 | rBV | 77785 | 99739 | 11.28% | 1.546% |
| 30 | 11.085 | 1634 | 1640 | 1650 | rBV | 405146 | 522973 | 59.16% | 8.106% |
| 31 | 11.305 | 1672 | 1676 | 1681 | rBV | 43552 | 53286 | 6.03% | 0.826% |
| 32 | 11.488 | 1701 | 1706 | 1714 | rVB3 | 8322 | 13759 | 1.56% | 0.213% |
| 33 | 11.866 | 1762 | 1768 | 1770 | rBV | 19674 | 24103 | 2.73% | 0.374% |
| 34 | 11.890 | 1770 | 1772 | 1777 | rVB | 19203 | 23286 | 2.63% | 0.361% |
| 35 | 12.024 | 1789 | 1794 | 1802 | rBV | 510841 | 613803 | 69.44% | 9.514% |
| 36 | 12.244 | 1824 | 1830 | 1836 | rVV2 | 166348 | 219902 | 24.88% | 3.408% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100521\
Data File : VX024602.D
Acq On : 06 Oct 2021 04:32
Operator : JC/MD
Sample : M3960-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 46 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** RAMB-MW06-GW

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\82X092321W.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 12.317 | 1838 | 1842 | 1848 | rVB | 23317 | 30388 | 3.44% | 0.471% |
| 38 | 12.408 | 1852 | 1857 | 1861 | rBV | 14015 | 17000 | 1.92% | 0.263% |
| 39 | 12.475 | 1861 | 1868 | 1873 | rVB2 | 8882 | 12612 | 1.43% | 0.195% |
| 40 | 12.615 | 1887 | 1891 | 1894 | rBV | 20426 | 24059 | 2.72% | 0.373% |
| 41 | 12.646 | 1894 | 1896 | 1900 | rVB | 10557 | 11549 | 1.31% | 0.179% |
| 42 | 12.701 | 1900 | 1905 | 1913 | rBV2 | 68406 | 101199 | 11.45% | 1.569% |
| 43 | 12.926 | 1934 | 1942 | 1948 | rBV | 26147 | 37927 | 4.29% | 0.588% |
| 44 | 13.298 | 1999 | 2003 | 2008 | rVB4 | 8400 | 11542 | 1.31% | 0.179% |
| 45 | 13.780 | 2075 | 2082 | 2091 | rBV | 63671 | 80314 | 9.09% | 1.245% |
| 46 | 14.780 | 2242 | 2246 | 2254 | rVB2 | 15967 | 22042 | 2.49% | 0.342% |
| 47 | 16.334 | 2495 | 2501 | 2510 | rVB2 | 11941 | 23008 | 2.60% | 0.357% |

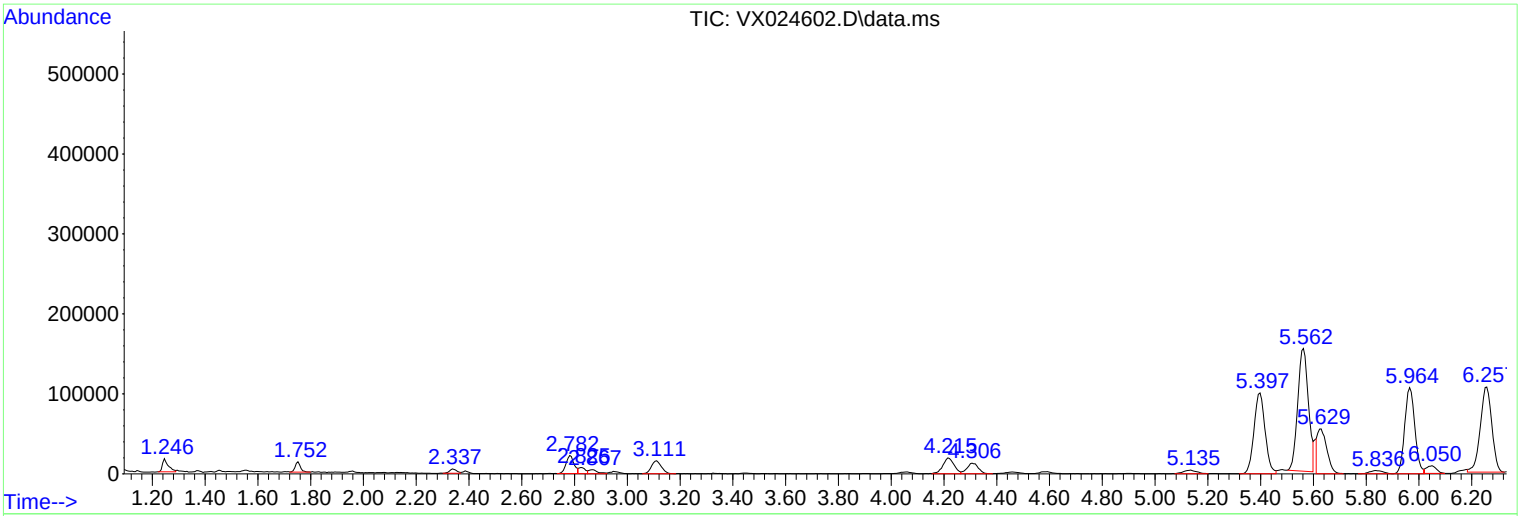
Sum of corrected areas: 6451630

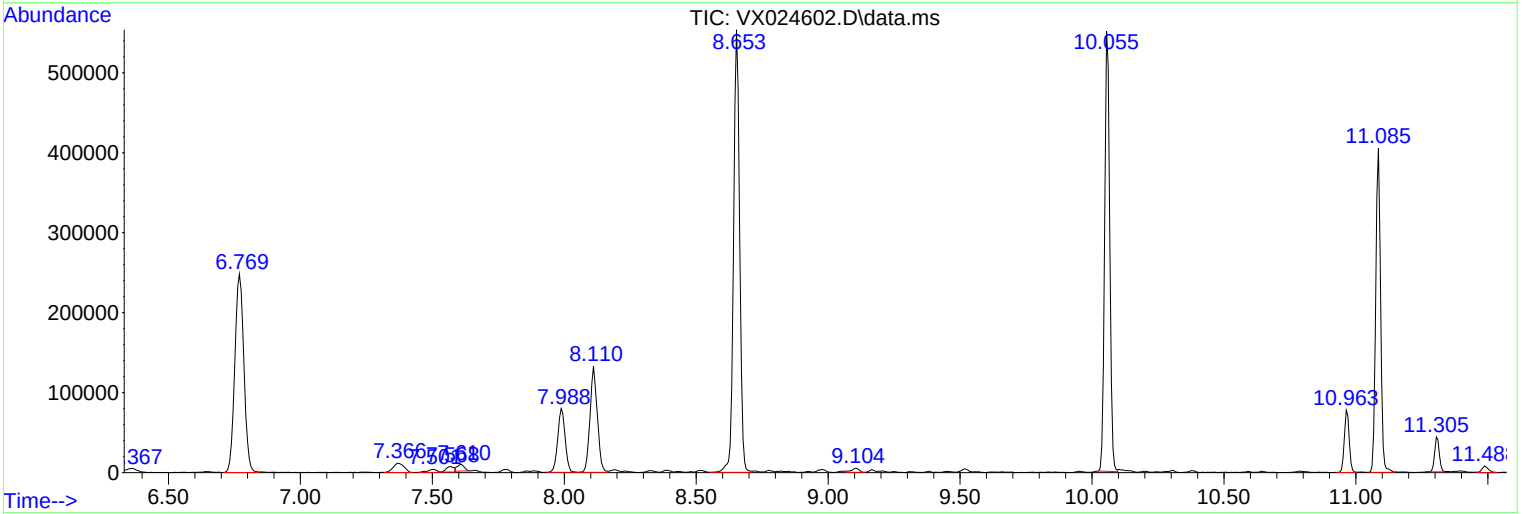
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100521\
Data File : VX024602.D
Acq On : 06 Oct 2021 04:32
Operator : JC/MD
Sample : M3960-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 46 Sample Multiplier: 1

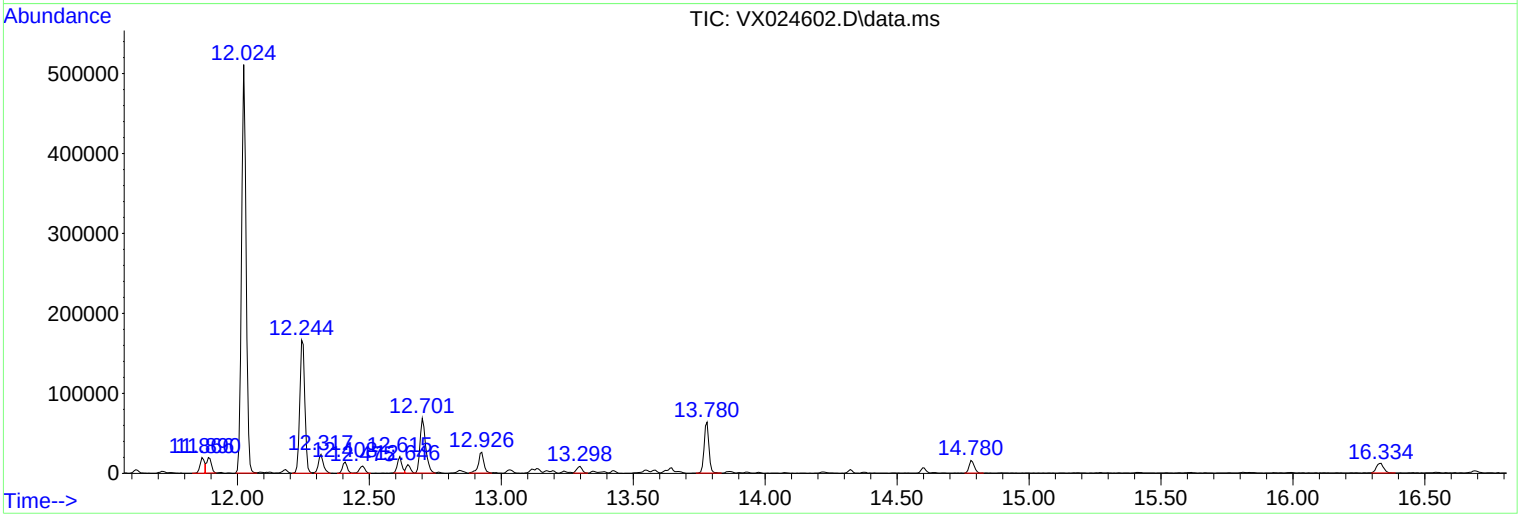
**Instrument :**
MSVOA_X
**ClientSampleId :**
RAMB-MW06-GW

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100521\
Data File : VX024602.D
Acq On : 06 Oct 2021 04:32
Operator : JC/MD
Sample : M3960-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 46 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
RAMB-MW06-GW

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
Quant Title : SW846 8260

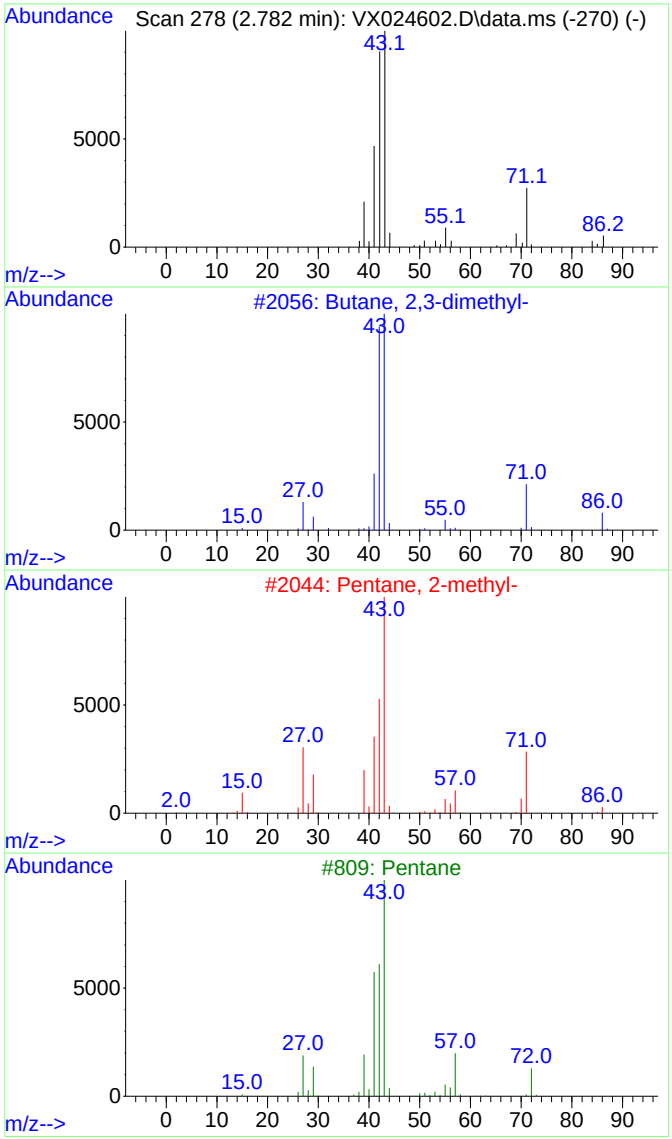
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

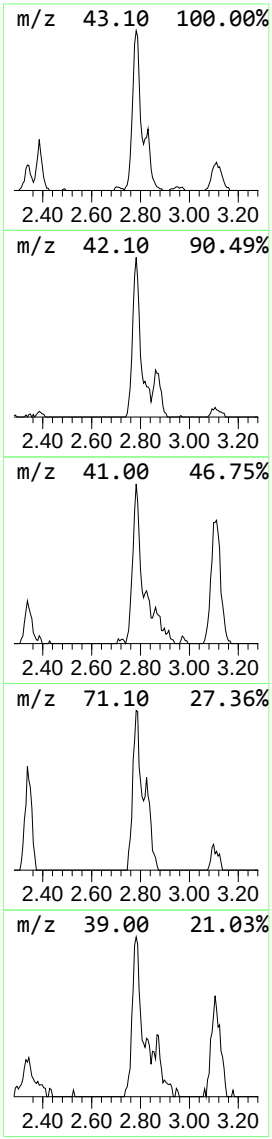
**********

Peak Number 1 Butane, 2,3-dimethyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.782 | 5.59 ug/l | 48718 | Pentafluorobenzene | 5.562 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2,3-dimethyl- | 86 | C6H14 | 000079-29-8 | 86 |
| 2 | Pentane, 2-methyl- | 86 | C6H14 | 000107-83-5 | 47 |
| 3 | Pentane | 72 | C5H12 | 000109-66-0 | 36 |
| 4 | C2H5C(CH3)2COCH3 | 114 | C7H14O | 020669-04-9 | 12 |
| 5 | Butanal, 2-ethyl- | 100 | C6H12O | 000097-96-1 | 10 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100521\
Data File : VX024602.D
Acq On : 06 Oct 2021 04:32
Operator : JC/MD
Sample : M3960-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 46 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
RAMB-MW06-GW

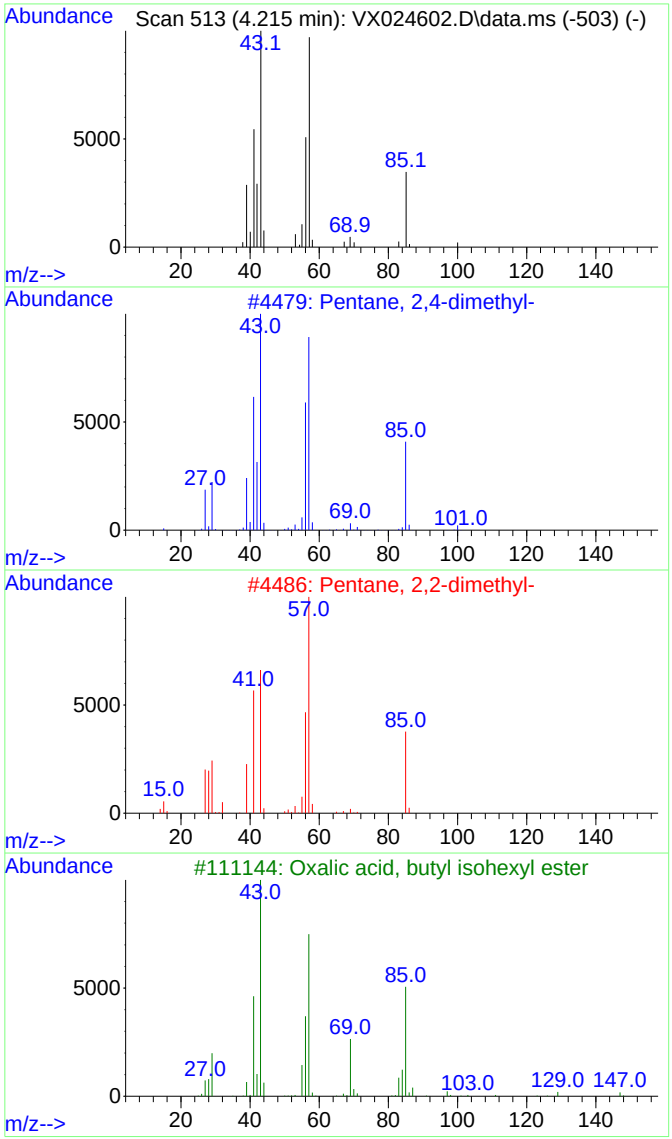
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
Quant Title : SW846 8260

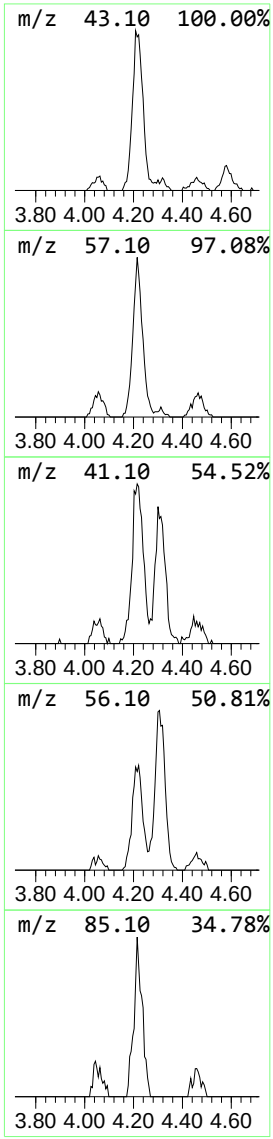
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 Pentane, 2,4-dimethyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.215 | 6.66 ug/l | 58016 | Pentafluorobenzene | 5.562 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane, 2,4-dimethyl- | 100 | C7H16 | 000108-08-7 | 90 |
| 2 | Pentane, 2,2-dimethyl- | 100 | C7H16 | 000590-35-2 | 53 |
| 3 | Oxalic acid, butyl isohexyl ester | 230 | C12H22O4 | 1000309-32-7 | 50 |
| 4 | 1-Pentene, 4-methyl- | 84 | C6H12 | 000691-37-2 | 40 |
| 5 | Heptane, 3-methyl- | 114 | C8H18 | 000589-81-1 | 39 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100521\
Data File : VX024602.D
Acq On : 06 Oct 2021 04:32
Operator : JC/MD
Sample : M3960-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 46 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
RAMB-MW06-GW

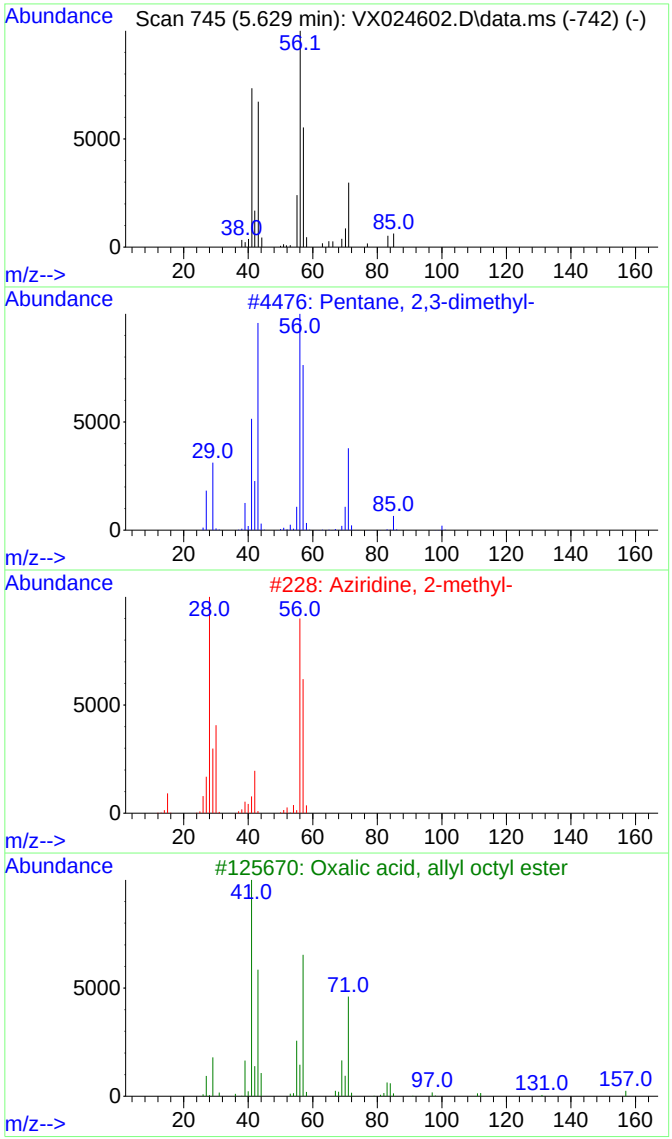
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
Quant Title : SW846 8260

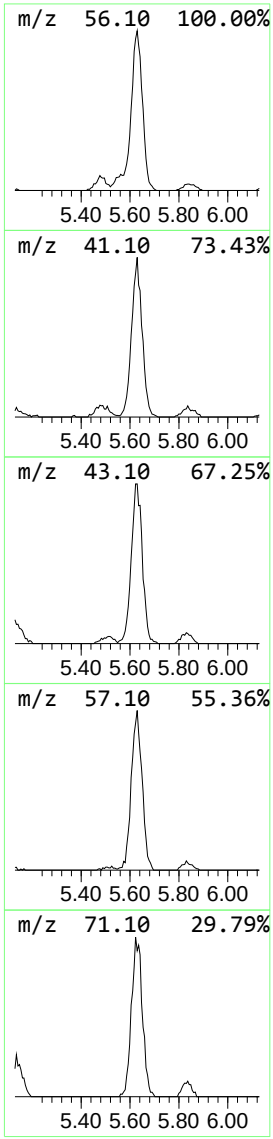
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.629 | 15.52 ug/l | 135269 | Pentafluorobenzene | 5.562 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane, 2,3-dimethyl- | 100 | C7H16 | 000565-59-3 | 72 |
| 2 | Aziridine, 2-methyl- | 57 | C3H7N | 000075-55-8 | 50 |
| 3 | Oxalic acid, allyl octyl ester | 242 | C13H22O4 | 1000309-23-6 | 32 |
| 4 | Oxalic acid, isobutyl octyl ester | 258 | C14H26O4 | 1000309-37-3 | 25 |
| 5 | Oxirane, (3-methylbutyl)- | 114 | C7H14O | 053229-41-7 | 23 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100521\
Data File : VX024602.D
Acq On : 06 Oct 2021 04:32
Operator : JC/MD
Sample : M3960-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 46 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
RAMB-MW06-GW

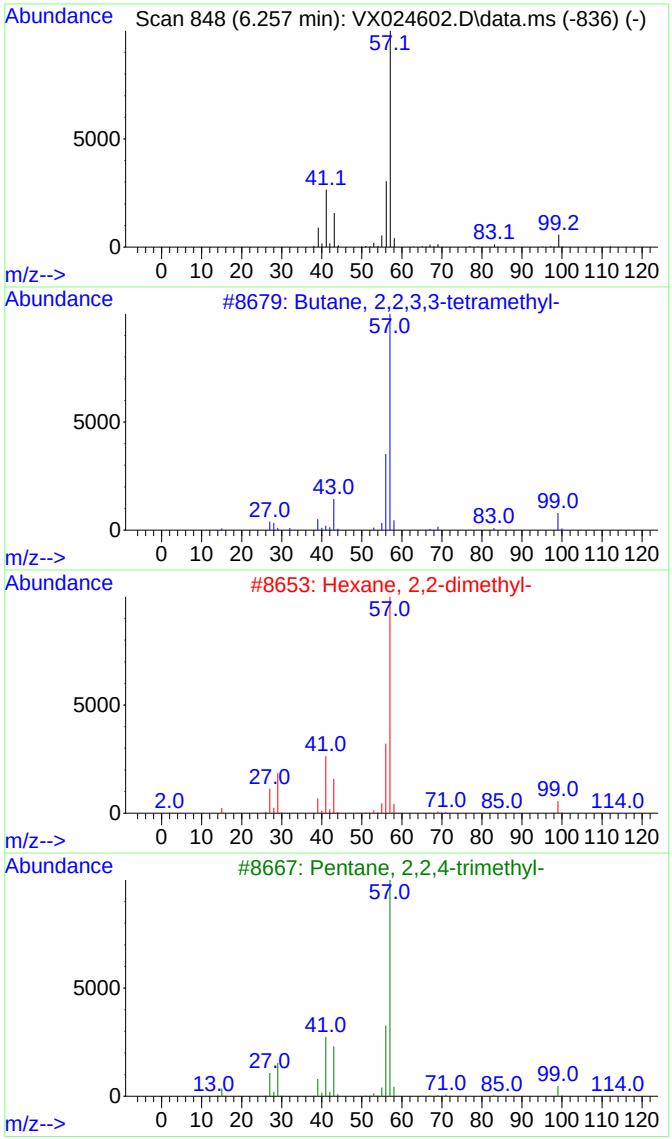
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
Quant Title : SW846 8260

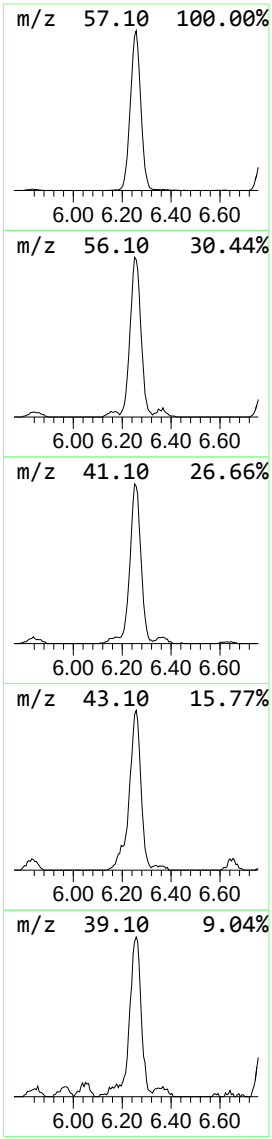
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.257 | 27.54 ug/l | 323349 | 1,4-Difluorobenzene | 6.769 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2,2,3,3-tetramethyl- | 114 | C8H18 | 000594-82-1 | 72 |
| 2 | Hexane, 2,2-dimethyl- | 114 | C8H18 | 000590-73-8 | 72 |
| 3 | Pentane, 2,2,4-trimethyl- | 114 | C8H18 | 000540-84-1 | 72 |
| 4 | Pentane, 2,2,4,4-tetramethyl- | 128 | C9H20 | 001070-87-7 | 59 |
| 5 | Hexane, 2,2,4-trimethyl- | 128 | C9H20 | 016747-26-5 | 59 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100521\
Data File : VX024602.D
Acq On : 06 Oct 2021 04:32
Operator : JC/MD
Sample : M3960-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 46 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
RAMB-MW06-GW

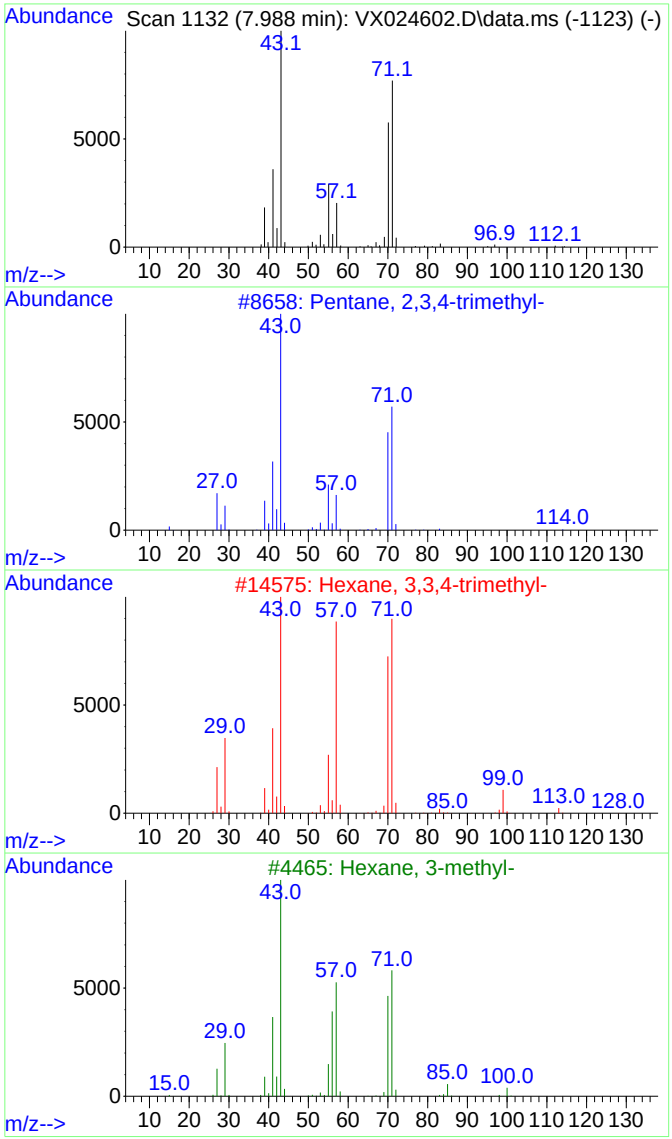
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
Quant Title : SW846 8260

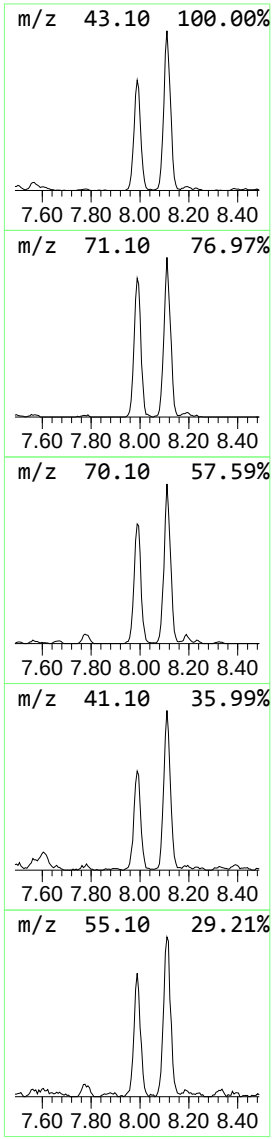
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 Pentane, 2,3,4-trimethyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.988 | 13.08 ug/l | 153617 | 1,4-Difluorobenzene | 6.769 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane, 2,3,4-trimethyl- | 114 | C8H18 | 000565-75-3 | 91 |
| 2 | Hexane, 3,3,4-trimethyl- | 128 | C9H20 | 016747-31-2 | 74 |
| 3 | Hexane, 3-methyl- | 100 | C7H16 | 000589-34-4 | 64 |
| 4 | Heptane, 4-methyl- | 114 | C8H18 | 000589-53-7 | 64 |
| 5 | Decane, 3,3,4-trimethyl- | 184 | C13H28 | 049622-18-6 | 64 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100521\
Data File : VX024602.D
Acq On : 06 Oct 2021 04:32
Operator : JC/MD
Sample : M3960-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 46 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** RAMB-MW06-GW

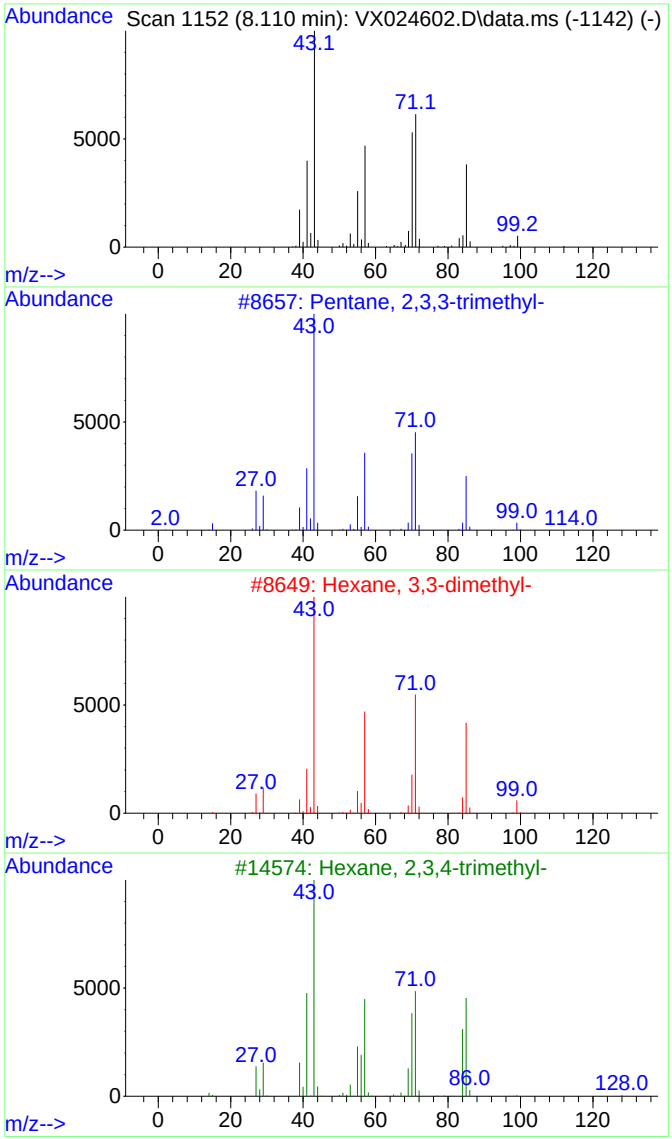
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
Quant Title : SW846 8260

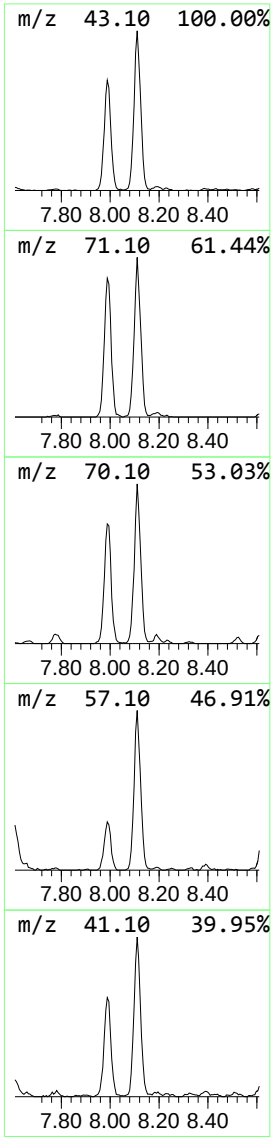
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.110 | 21.59 ug/l | 253453 | 1,4-Difluorobenzene | 6.769 |

| 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 | Hexane, 2,3,4-trimethyl- | 128 | C9H20 | 000921-47-1 | 64 |
| 4 | Heptane, 4-methyl- | 114 | C8H18 | 000589-53-7 | 53 |
| 5 | Hexane, 3-methyl- | 100 | C7H16 | 000589-34-4 | 53 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100521\
Data File : VX024602.D
Acq On : 06 Oct 2021 04:32
Operator : JC/MD
Sample : M3960-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 46 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
RAMB-MW06-GW

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
Quant Title : SW846 8260

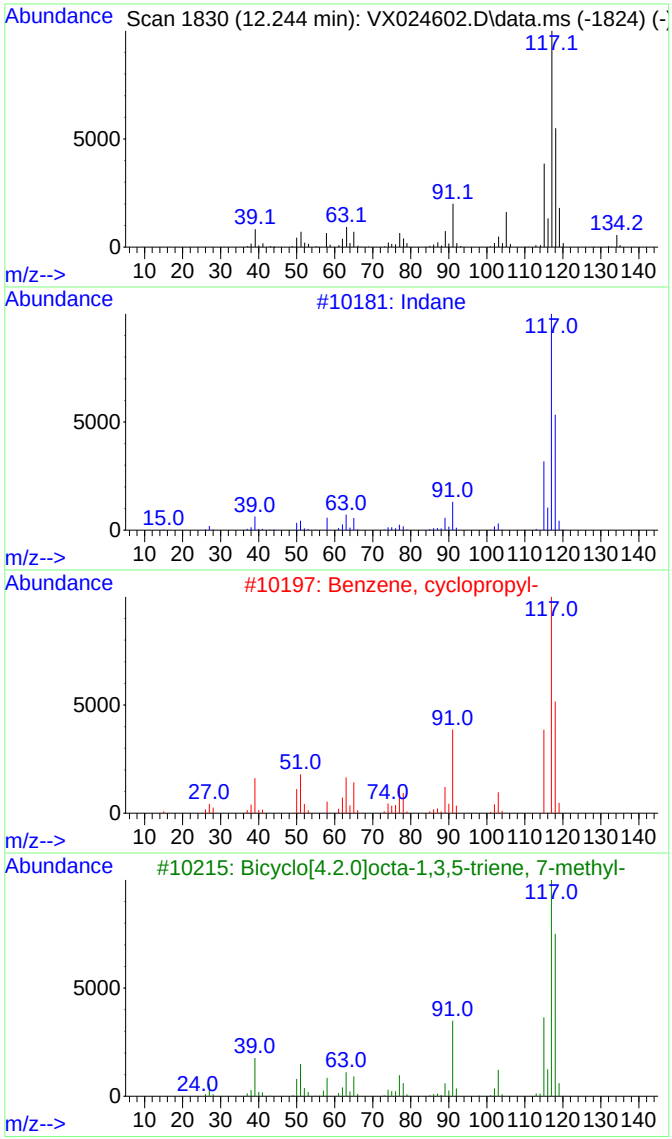
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

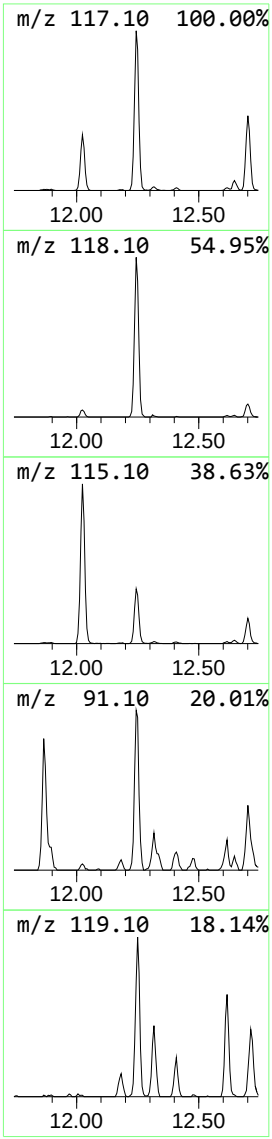
**********

Peak Number 7 Indane Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.244 | 17.91 ug/l | 219902 | 1,4-Dichlorobenzene-d4 | 12.024 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indane | 118 | C9H10 | 000496-11-7 | 70 |
| 2 | Benzene, cyclopropyl- | 118 | C9H10 | 000873-49-4 | 64 |
| 3 | Bicyclo[4.2.0]octa-1,3,5-triene,... | 118 | C9H10 | 055337-80-9 | 58 |
| 4 | trans-Cinnamyl bromide | 196 | C9H9Br | 026146-77-0 | 58 |
| 5 | Benzene, (2-bromocyclopropyl)- | 196 | C9H9Br | 036617-02-4 | 52 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100521\
Data File : VX024602.D
Acq On : 06 Oct 2021 04:32
Operator : JC/MD
Sample : M3960-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 46 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
RAMB-MW06-GW

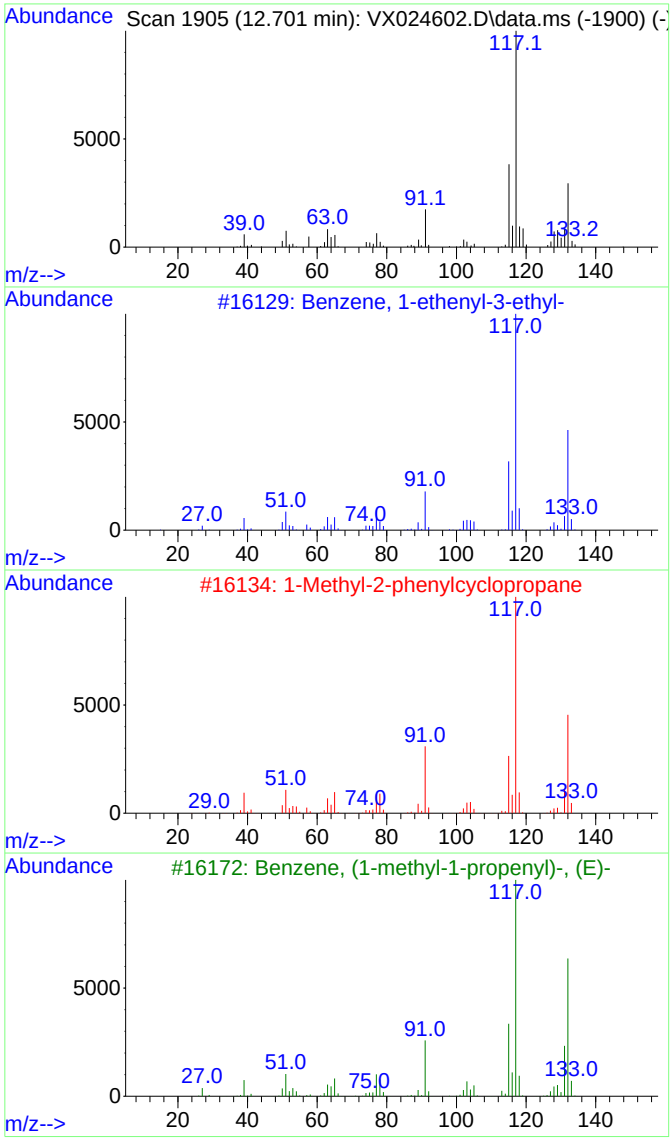
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
Quant Title : SW846 8260

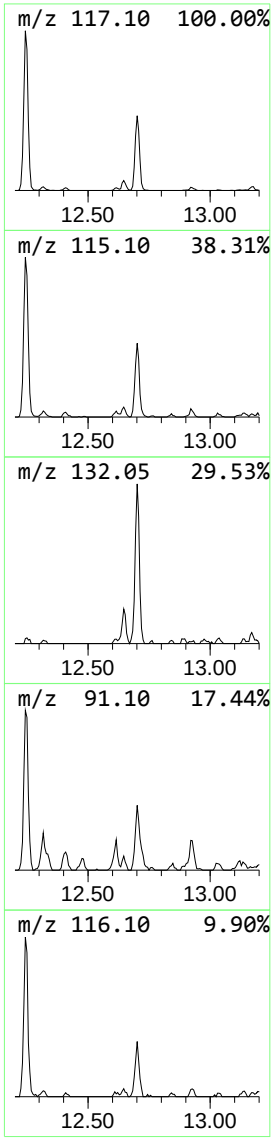
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 8 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.701 | 8.24 ug/l | 101199 | 1,4-Dichlorobenzene-d4 | 12.024 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethenyl-3-ethyl- | 132 | C10H12 | 007525-62-4 | 90 |
| 2 | 1-Methyl-2-phenylcyclopropane | 132 | C10H12 | 003145-76-4 | 86 |
| 3 | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12 | 000768-00-3 | 83 |
| 4 | Benzene, (2-methyl-1-propenyl)- | 132 | C10H12 | 000768-49-0 | 78 |
| 5 | Indan, 1-methyl- | 132 | C10H12 | 000767-58-8 | 76 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100521\
Data File : VX024602.D
Acq On : 06 Oct 2021 04:32
Operator : JC/MD
Sample : M3960-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 46 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** RAMB-MW06-GW

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
Quant Title : SW846 8260

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

| | | | | | --Internal Standard--- | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Butane, 2,3-dim... | 2.782 | 5.6 | ug/l | 48718 | 1 | 5.562 | 435762 | 50.0 |
| Pentane, 2,4-di... | 4.215 | 6.7 | ug/l | 58016 | 1 | 5.562 | 435762 | 50.0 |
| Pentane, 2,3-di... | 5.629 | 15.5 | ug/l | 135269 | 1 | 5.562 | 435762 | 50.0 |
| Butane, 2,2,3,3... | 6.257 | 27.5 | ug/l | 323349 | 2 | 6.769 | 587082 | 50.0 |
| Pentane, 2,3,4-... | 7.988 | 13.1 | ug/l | 153617 | 2 | 6.769 | 587082 | 50.0 |
| Pentane, 2,3,3-... | 8.110 | 21.6 | ug/l | 253453 | 2 | 6.769 | 587082 | 50.0 |
| Indane | 12.244 | 17.9 | ug/l | 219902 | 4 | 12.024 | 613803 | 50.0 |
| Benzene, 1-ethe... | 12.701 | 8.2 | ug/l | 101199 | 4 | 12.024 | 613803 | 50.0 |