LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092019\
Data File : VX012579.D
Acq On : 21 Sep 2019 00:32
Operator : JC/SP
Sample : K4956-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** S49-0554

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\82X091719W.M
Title : SW846 8260

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.070 | 26 | 30 | 41 | rBV | 584252 | 703354 | 77.90% | 11.580% |
| 2 | 1.167 | 42 | 46 | 56 | rVB | 56811 | 56778 | 6.29% | 0.935% |
| 3 | 1.265 | 56 | 62 | 65 | rBV | 16635 | 22273 | 2.47% | 0.367% |
| 4 | 1.381 | 77 | 81 | 88 | rBV2 | 37296 | 59316 | 6.57% | 0.977% |
| 5 | 1.454 | 90 | 93 | 96 | rBV | 12982 | 12165 | 1.35% | 0.200% |
| 6 | 1.521 | 101 | 104 | 108 | rVV | 20422 | 19951 | 2.21% | 0.328% |
| 7 | 1.594 | 110 | 116 | 121 | rVB9 | 7313 | 14582 | 1.61% | 0.240% |
| 8 | 1.686 | 128 | 131 | 139 | rVB2 | 6759 | 10756 | 1.19% | 0.177% |
| 9 | 1.942 | 169 | 173 | 177 | rVV | 10376 | 12409 | 1.37% | 0.204% |
| 10 | 1.990 | 177 | 181 | 187 | rVB4 | 5452 | 10398 | 1.15% | 0.171% |
| 11 | 2.106 | 196 | 200 | 207 | rVB | 15641 | 21594 | 2.39% | 0.356% |
| 12 | 2.204 | 212 | 216 | 220 | rVV3 | 10545 | 17520 | 1.94% | 0.288% |
| 13 | 2.253 | 220 | 224 | 234 | rVB5 | 9270 | 21177 | 2.35% | 0.349% |
| 14 | 2.594 | 274 | 280 | 287 | rBV | 90350 | 161610 | 17.90% | 2.661% |
| 15 | 2.795 | 302 | 313 | 325 | rBV7 | 9945 | 31979 | 3.54% | 0.526% |
| 16 | 3.027 | 343 | 351 | 362 | rVB3 | 7199 | 19807 | 2.19% | 0.326% |
| 17 | 3.405 | 404 | 413 | 417 | rBV8 | 4265 | 11130 | 1.23% | 0.183% |
| 18 | 5.490 | 740 | 755 | 769 | rBV2 | 102362 | 298826 | 33.10% | 4.920% |
| 19 | 5.654 | 769 | 782 | 799 | rVB | 199678 | 567446 | 62.84% | 9.342% |
| 20 | 6.051 | 838 | 847 | 857 | rBV | 121070 | 328969 | 36.43% | 5.416% |
| 21 | 6.136 | 857 | 861 | 869 | rVB2 | 7757 | 18693 | 2.07% | 0.308% |
| 22 | 6.471 | 909 | 916 | 924 | rBV9 | 5358 | 14713 | 1.63% | 0.242% |
| 23 | 6.849 | 968 | 978 | 991 | rBV | 292484 | 697248 | 77.22% | 11.479% |
| 24 | 8.550 | 1250 | 1257 | 1264 | rBV3 | 18977 | 36639 | 4.06% | 0.603% |
| 25 | 8.709 | 1276 | 1283 | 1291 | rBV | 571003 | 902930 | 100.00% | 14.865% |
| 26 | 8.782 | 1291 | 1295 | 1300 | rVB2 | 16175 | 27536 | 3.05% | 0.453% |
| 27 | 8.904 | 1310 | 1315 | 1322 | rVB2 | 6282 | 11744 | 1.30% | 0.193% |
| 28 | 10.111 | 1503 | 1513 | 1524 | rBV | 553511 | 760739 | 84.25% | 12.524% |
| 29 | 10.251 | 1530 | 1536 | 1542 | rVB2 | 7319 | 10244 | 1.13% | 0.169% |
| 30 | 10.349 | 1545 | 1552 | 1558 | rVB5 | 7267 | 13821 | 1.53% | 0.228% |
| 31 | 11.135 | 1675 | 1681 | 1691 | rBV | 425046 | 552112 | 61.15% | 9.090% |
| 32 | 12.074 | 1829 | 1835 | 1843 | rBV | 499884 | 625609 | 69.29% | 10.300% |

LSC Area Percent Report

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Data File : VX012579.D
Acq On : 21 Sep 2019 00:32
Operator : JC/SP
Sample : K4956-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** S49-0554

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\82X091719W.M
Title : SW846 8260

Sum of corrected areas: 6074068

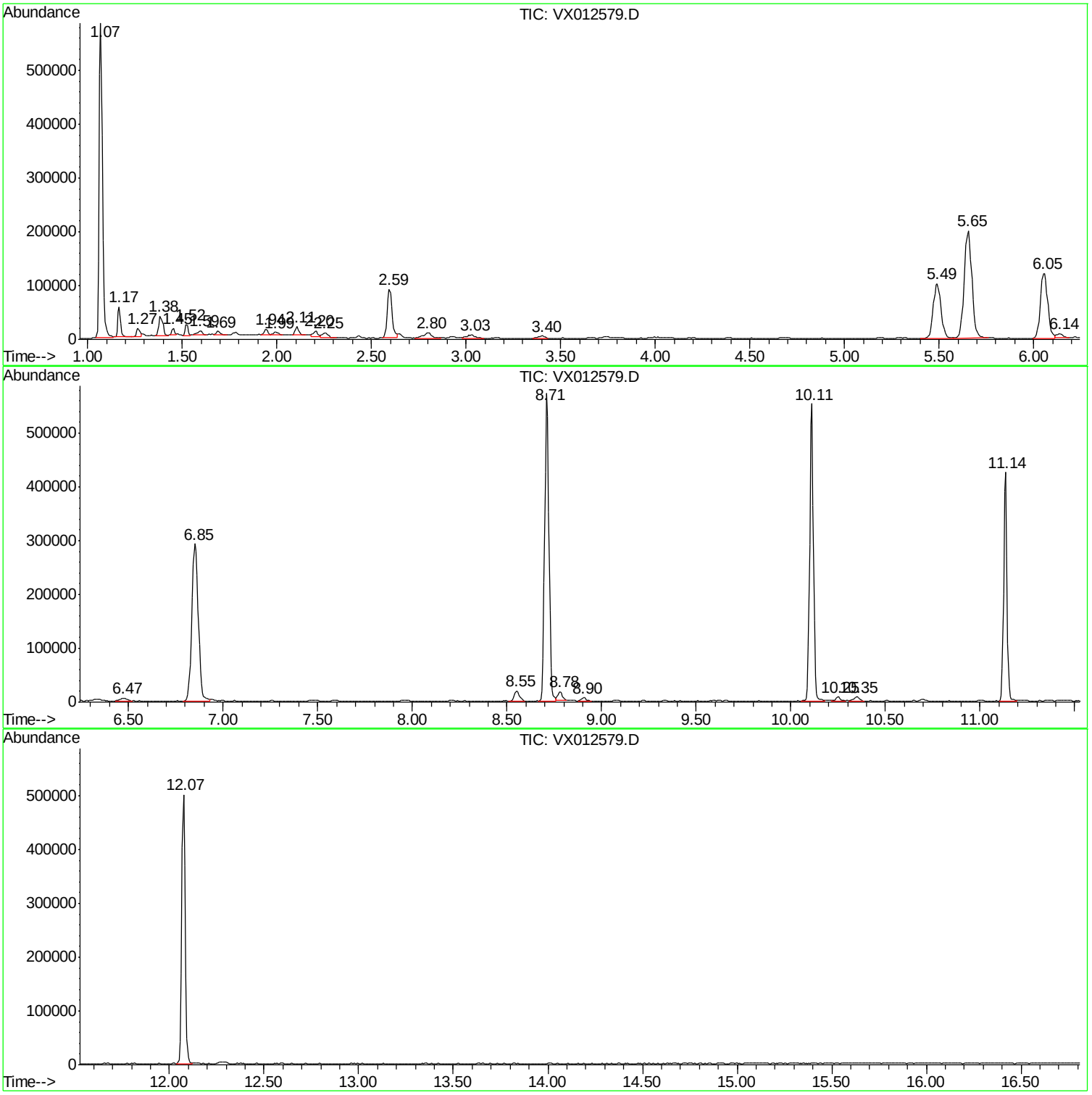
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092019\
Data File : VX012579.D
Acq On : 21 Sep 2019 00:32
Operator : JC/SP
Sample : K4956-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 38 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
S49-0554

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092019\
Data File : VX012579.D
Acq On : 21 Sep 2019 00:32
Operator : JC/SP
Sample : K4956-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** S49-0554

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
Quant Title : SW846 8260

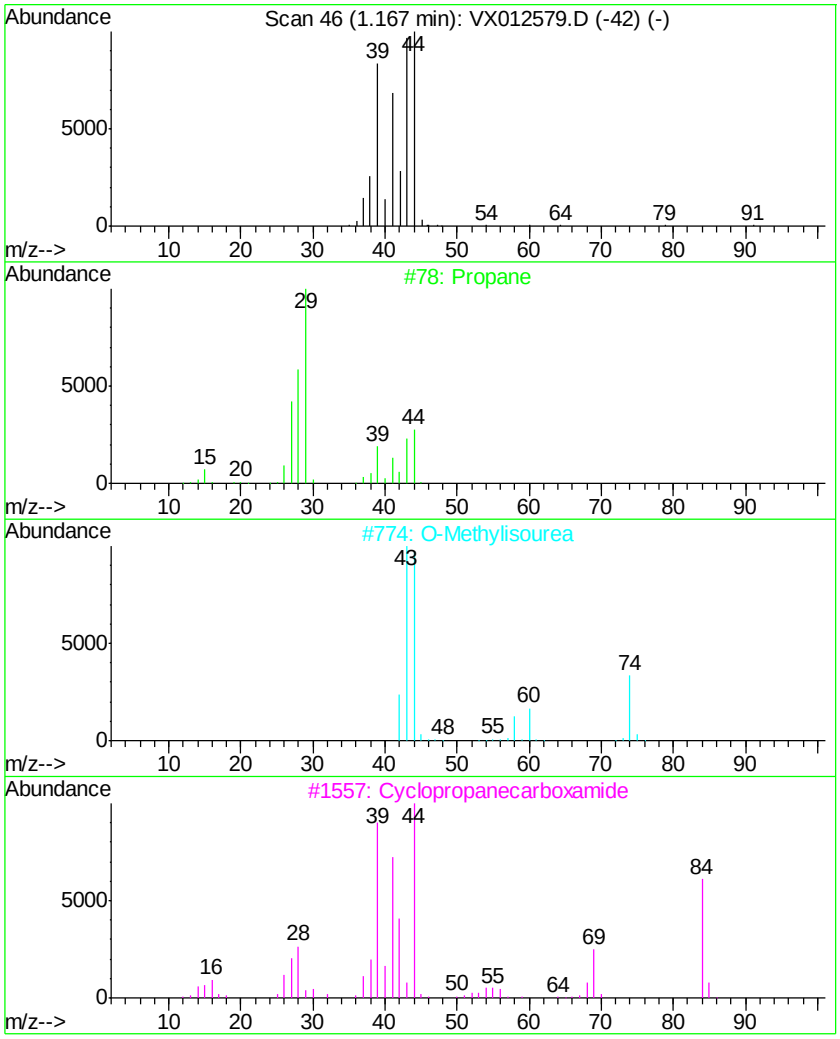
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

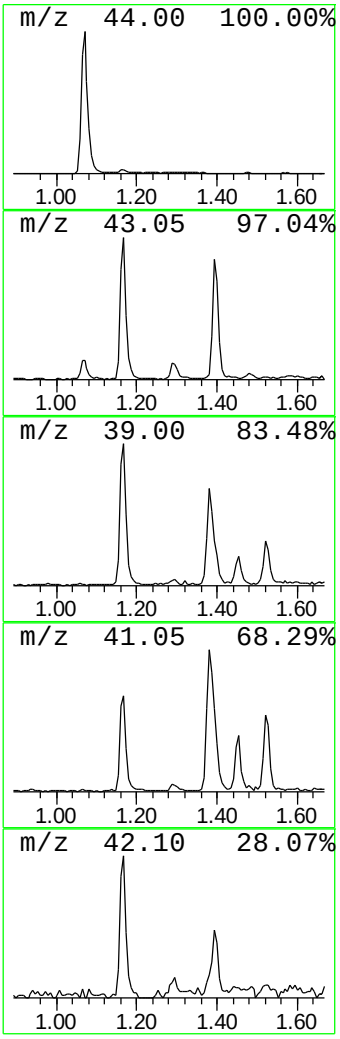
**********

Peak Number 2 Propane Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.17 | 5.00 ug/l | 56778 | Pentafluorobenzene | 5.65 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propane | 44 | C3H8 | 000074-98-6 | 90 |
| 2 | O-Methylisourea | 74 | C2H6N2O | 002440-60-0 | 64 |
| 3 | Cyclopropanecarboxamide | 85 | C4H7NO | 006228-73-5 | 43 |
| 4 | 2-Hexynoic acid | 112 | C6H8O2 | 000764-33-0 | 43 |
| 5 | 3-Butenoic acid | 86 | C4H6O2 | 000625-38-7 | 42 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX092019\
Data File : VX012579.D
Acq On : 21 Sep 2019 00:32
Operator : JC/SP
Sample : K4956-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** S49-0554

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
Quant Title : SW846 8260

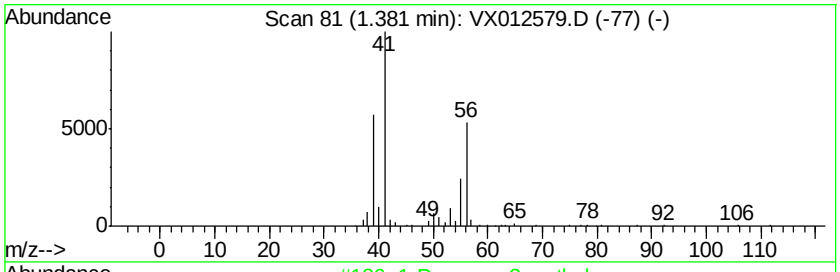
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

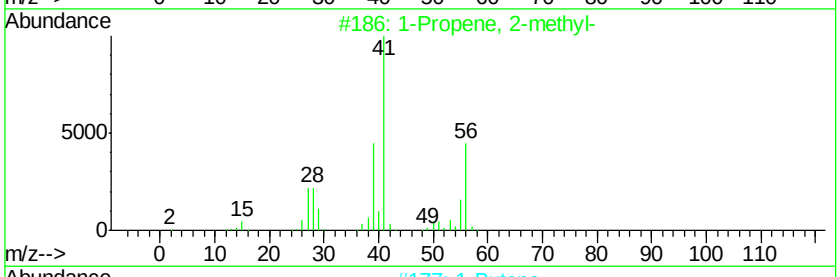
**********

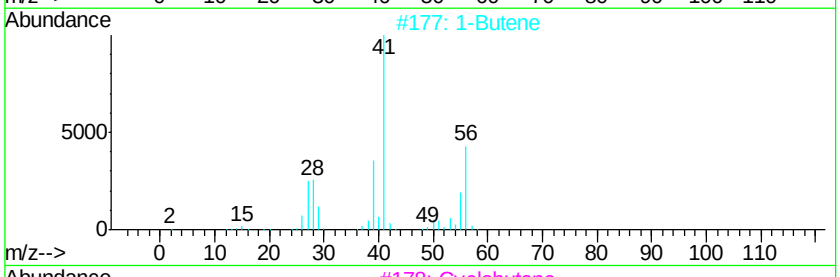
Peak Number 3 1-Propene, 2-methyl- Concentration Rank 3

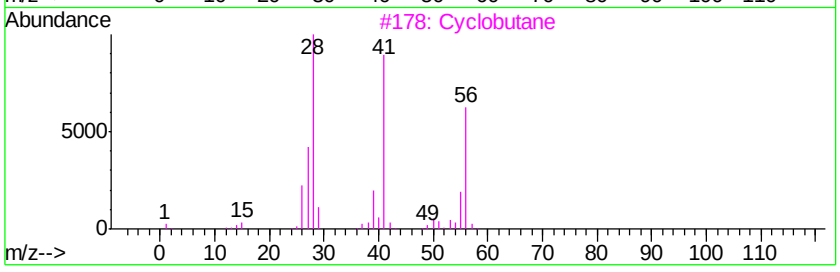
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.38 | 5.23 ug/l | 59316 | Pentafluorobenzene | 5.65 |

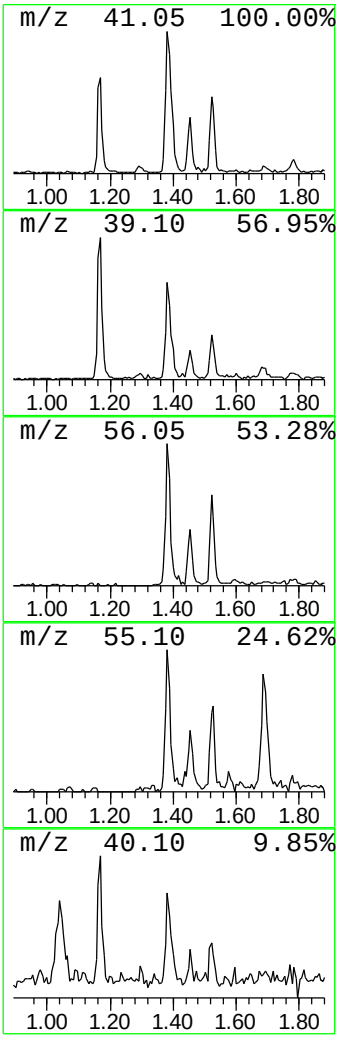
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Propene, 2-methyl- | 56 | C4H8 | 000115-11-7 | 86 |
| 2 | 1-Butene | 56 | C4H8 | 000106-98-9 | 52 |
| 3 | Cyclobutane | 56 | C4H8 | 000287-23-0 | 50 |
| 4 | 2-Butene | 56 | C4H8 | 000107-01-7 | 50 |
| 5 | 2-Butene, (Z)- | 56 | C4H8 | 000590-18-1 | 49 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092019\
Data File : VX012579.D
Acq On : 21 Sep 2019 00:32
Operator : JC/SP
Sample : K4956-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** S49-0554

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
Quant Title : SW846 8260

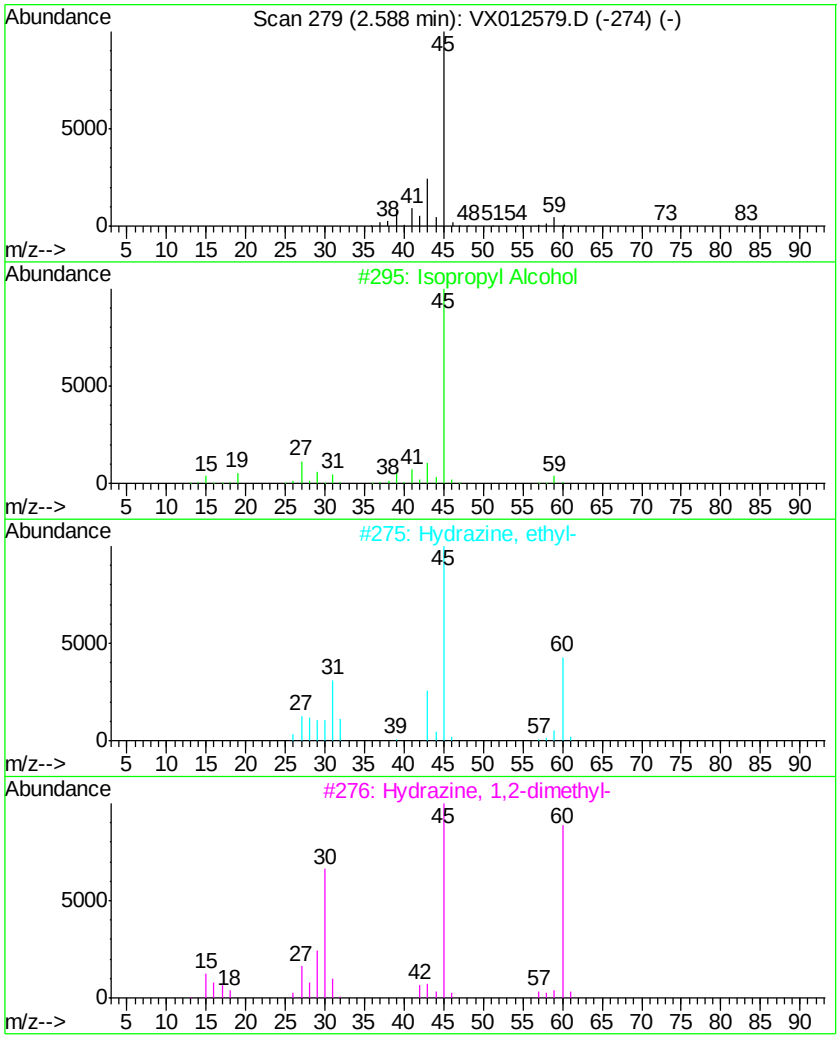
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

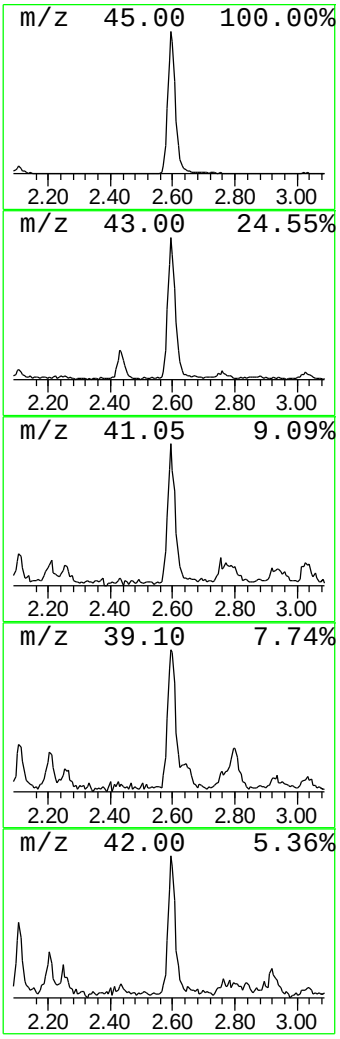
**********

Peak Number 4 Isopropyl Alcohol Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.59 | 14.24 ug/l | 161610 | Pentafluorobenzene | 5.65 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Isopropyl Alcohol | 60 | C3H8O | 000067-63-0 | 86 |
| 2 | Hydrazine, ethyl- | 60 | C2H8N2 | 000624-80-6 | 40 |
| 3 | Hydrazine, 1,2-dimethyl- | 60 | C2H8N2 | 000540-73-8 | 9 |
| 4 | Ethylamine | 45 | C2H7N | 000075-04-7 | 5 |
| 5 | Oxirane, (methoxymethyl)- | 88 | C4H8O2 | 000930-37-0 | 4 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX092019\
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Acq On : 21 Sep 2019 00:32
Operator : JC/SP
Sample : K4956-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** S49-0554

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Propane | 1.17 | 5.0 | ug/l | 56778 | 1 | 5.65 | 567446 | 50.0 |
| 1-Propene, 2-methyl- | 1.38 | 5.2 | ug/l | 59316 | 1 | 5.65 | 567446 | 50.0 |
| Isopropyl Alcohol | 2.59 | 14.2 | ug/l | 161610 | 1 | 5.65 | 567446 | 50.0 |