# LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050820\
Data File : VY002641.D
Acq On : 08 May 2020 14:37
Operator : SY/MD
Sample : L2554-01
Misc : 6.41G/5ML/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** DRUM-1-7

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\82Y043020S.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 | 1.871 | 17 | 22 | 35 | rVB | 287362 | 393073 | 30.05% | 4.543% |
| 2 | 2.231 | 74 | 81 | 93 | rBV | 156748 | 280305 | 21.43% | 3.240% |
| 3 | 2.353 | 96 | 101 | 112 | rVB | 30178 | 51482 | 3.94% | 0.595% |
| 4 | 2.469 | 112 | 120 | 128 | rBV | 16121 | 30116 | 2.30% | 0.348% |
| 5 | 2.767 | 161 | 169 | 175 | rBV | 20340 | 42908 | 3.28% | 0.496% |
| 6 | 2.920 | 188 | 194 | 203 | rVB5 | 5746 | 13555 | 1.04% | 0.157% |
| 7 | 3.188 | 229 | 238 | 245 | rBV | 50024 | 109231 | 8.35% | 1.262% |
| 8 | 3.292 | 246 | 255 | 267 | rVB3 | 27204 | 82494 | 6.31% | 0.953% |
| 9 | 3.462 | 275 | 283 | 293 | rVB | 16292 | 37026 | 2.83% | 0.428% |
| 10 | 3.621 | 301 | 309 | 318 | rBV5 | 7387 | 19345 | 1.48% | 0.224% |
| 11 | 3.718 | 318 | 325 | 339 | rVB3 | 10807 | 29194 | 2.23% | 0.337% |
| 12 | 3.968 | 357 | 366 | 385 | rBV | 68877 | 190940 | 14.60% | 2.207% |
| 13 | 4.596 | 457 | 469 | 481 | rBV6 | 23030 | 99511 | 7.61% | 1.150% |
| 14 | 4.743 | 485 | 493 | 509 | rBV4 | 10461 | 44664 | 3.41% | 0.516% |
| 15 | 5.614 | 621 | 636 | 648 | rBV3 | 20050 | 79364 | 6.07% | 0.917% |
| 16 | 5.767 | 652 | 661 | 673 | rVB3 | 8968 | 27949 | 2.14% | 0.323% |
| 17 | 6.066 | 700 | 710 | 714 | rBV4 | 4563 | 13242 | 1.01% | 0.153% |
| 18 | 6.120 | 714 | 719 | 730 | rVB3 | 5712 | 18150 | 1.39% | 0.210% |
| 19 | 6.352 | 750 | 757 | 766 | rBV3 | 8293 | 25697 | 1.96% | 0.297% |
| 20 | 6.822 | 824 | 834 | 843 | rVB6 | 5024 | 16256 | 1.24% | 0.188% |
| 21 | 7.017 | 854 | 866 | 875 | rBV | 17701 | 48781 | 3.73% | 0.564% |
| 22 | 7.553 | 948 | 954 | 961 | rVB3 | 7688 | 17557 | 1.34% | 0.203% |
| 23 | 7.742 | 976 | 985 | 990 | rBV2 | 183927 | 425761 | 32.55% | 4.921% |
| 24 | 7.815 | 990 | 997 | 1009 | rVV | 362636 | 852200 | 65.14% | 9.849% |
| 25 | 7.901 | 1009 | 1011 | 1021 | rVB2 | 10926 | 21754 | 1.66% | 0.251% |
| 26 | 8.163 | 1044 | 1054 | 1065 | rBV | 162917 | 363414 | 27.78% | 4.200% |
| 27 | 8.309 | 1069 | 1078 | 1085 | rBV3 | 15399 | 34673 | 2.65% | 0.401% |
| 28 | 8.449 | 1095 | 1101 | 1110 | rVB2 | 15383 | 33498 | 2.56% | 0.387% |
| 29 | 8.565 | 1113 | 1120 | 1130 | rVB5 | 5559 | 14884 | 1.14% | 0.172% |
| 30 | 8.705 | 1135 | 1143 | 1158 | rBV | 505001 | 1029573 | 78.70% | 11.899% |
| 31 | 8.980 | 1177 | 1188 | 1195 | rBV4 | 8635 | 19604 | 1.50% | 0.227% |
| 32 | 9.150 | 1208 | 1216 | 1220 | rBV7 | 7015 | 16260 | 1.24% | 0.188% |
| 33 | 9.199 | 1220 | 1224 | 1230 | rVB4 | 8015 | 16984 | 1.30% | 0.196% |
| 34 | 9.577 | 1281 | 1286 | 1291 | rVV3 | 12806 | 29045 | 2.22% | 0.336% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050820\
Data File : VY002641.D
Acq On : 08 May 2020 14:37
Operator : SY/MD
Sample : L2554-01
Misc : 6.41G/5ML/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** DRUM-1-7

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\82Y043020S.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 9.754 | 1307 | 1315 | 1322 | rBV7 | 12803 | 28633 | 2.19% | 0.331% |
| 36 | 10.065 | 1362 | 1366 | 1373 | rVB5 | 6766 | 13513 | 1.03% | 0.156% |
| 37 | 10.193 | 1380 | 1387 | 1393 | rBV | 773703 | 1308213 | 100.00% | 15.120% |
| 38 | 10.254 | 1393 | 1397 | 1403 | rVV | 42853 | 79373 | 6.07% | 0.917% |
| 39 | 10.382 | 1411 | 1418 | 1424 | rBV6 | 6641 | 13378 | 1.02% | 0.155% |
| 40 | 10.620 | 1447 | 1457 | 1468 | rVB8 | 5402 | 15682 | 1.20% | 0.181% |
| 41 | 11.309 | 1565 | 1570 | 1580 | rVB8 | 9418 | 29451 | 2.25% | 0.340% |
| 42 | 11.504 | 1592 | 1602 | 1614 | rBV | 605509 | 1005164 | 76.83% | 11.617% |
| 43 | 11.607 | 1614 | 1619 | 1622 | rBV3 | 7998 | 15410 | 1.18% | 0.178% |
| 44 | 11.711 | 1631 | 1636 | 1647 | rVB3 | 26586 | 66393 | 5.08% | 0.767% |
| 45 | 12.034 | 1681 | 1689 | 1695 | rVB5 | 8532 | 20614 | 1.58% | 0.238% |
| 46 | 12.314 | 1729 | 1735 | 1742 | rBV4 | 18170 | 32359 | 2.47% | 0.374% |
| 47 | 12.491 | 1757 | 1764 | 1773 | rBV | 428210 | 676913 | 51.74% | 7.824% |
| 48 | 12.814 | 1813 | 1817 | 1823 | rVB5 | 11623 | 19737 | 1.51% | 0.228% |
| 49 | 13.125 | 1863 | 1868 | 1874 | rBV | 8845 | 15897 | 1.22% | 0.184% |
| 50 | 13.278 | 1887 | 1893 | 1899 | rBV10 | 8005 | 15313 | 1.17% | 0.177% |
| 51 | 13.436 | 1912 | 1919 | 1928 | rVB | 444776 | 676750 | 51.73% | 7.822% |
| 52 | 13.747 | 1966 | 1970 | 1976 | rVB5 | 9405 | 19135 | 1.46% | 0.221% |
| 53 | 13.973 | 2004 | 2007 | 2014 | rVB5 | 9892 | 16044 | 1.23% | 0.185% |
| 54 | 14.997 | 2170 | 2175 | 2183 | rBV6 | 14976 | 28676 | 2.19% | 0.331% |
| 55 | 15.978 | 2331 | 2336 | 2345 | rBV4 | 14778 | 27159 | 2.08% | 0.314% |

Sum of corrected areas: 8652297

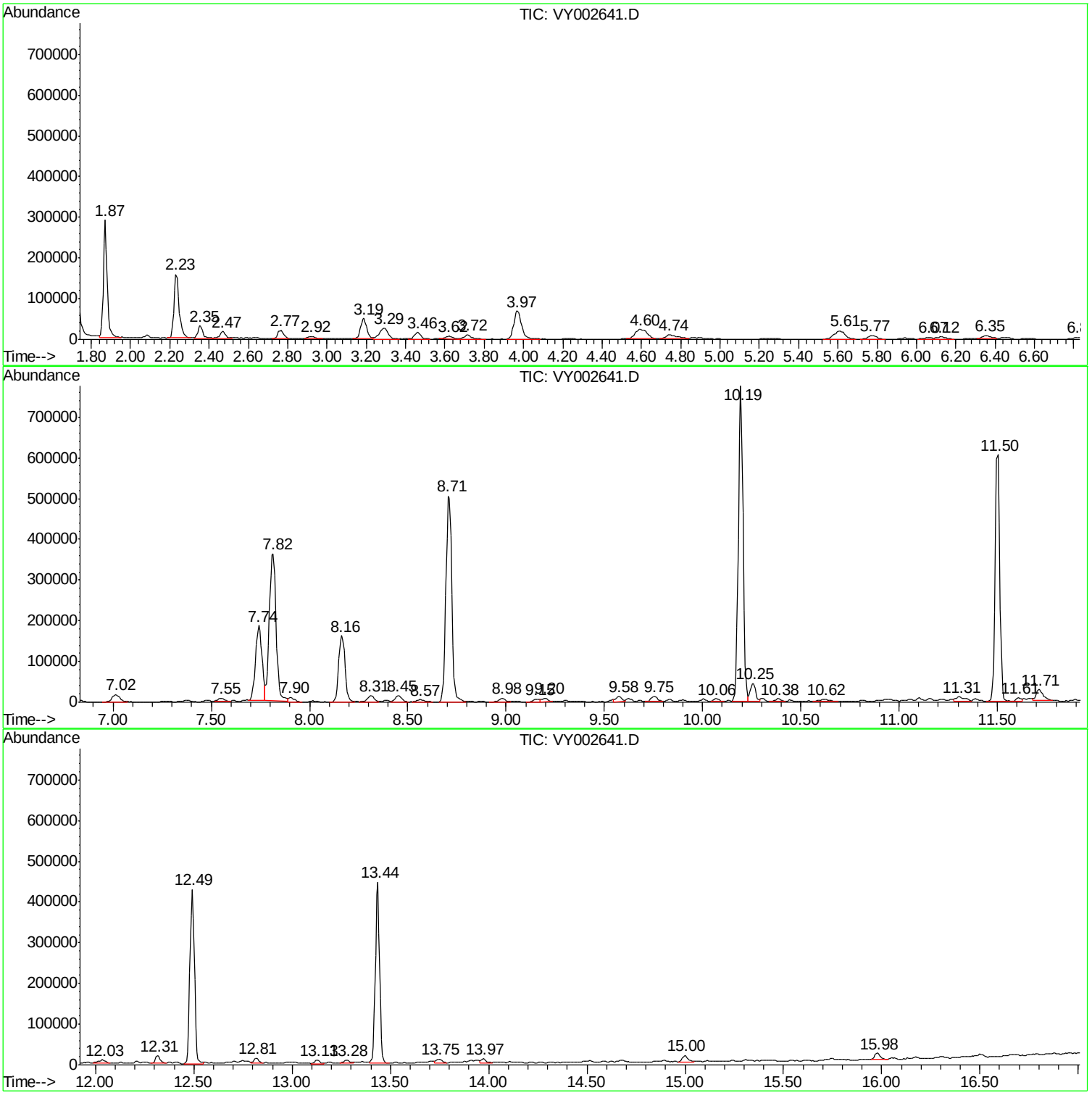
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY050820\
Data File : VY002641.D
Acq On : 08 May 2020 14:37
Operator : SY/MD
Sample : L2554-01
Misc : 6.41G/5ML/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** DRUM-1-7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.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_Y\DATA\VY050820\
Data File : VY002641.D
Acq On : 08 May 2020 14:37
Operator : SY/MD
Sample : L2554-01
Misc : 6.41G/5ML/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** DRUM-1-7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
Quant Title : SW846 8260

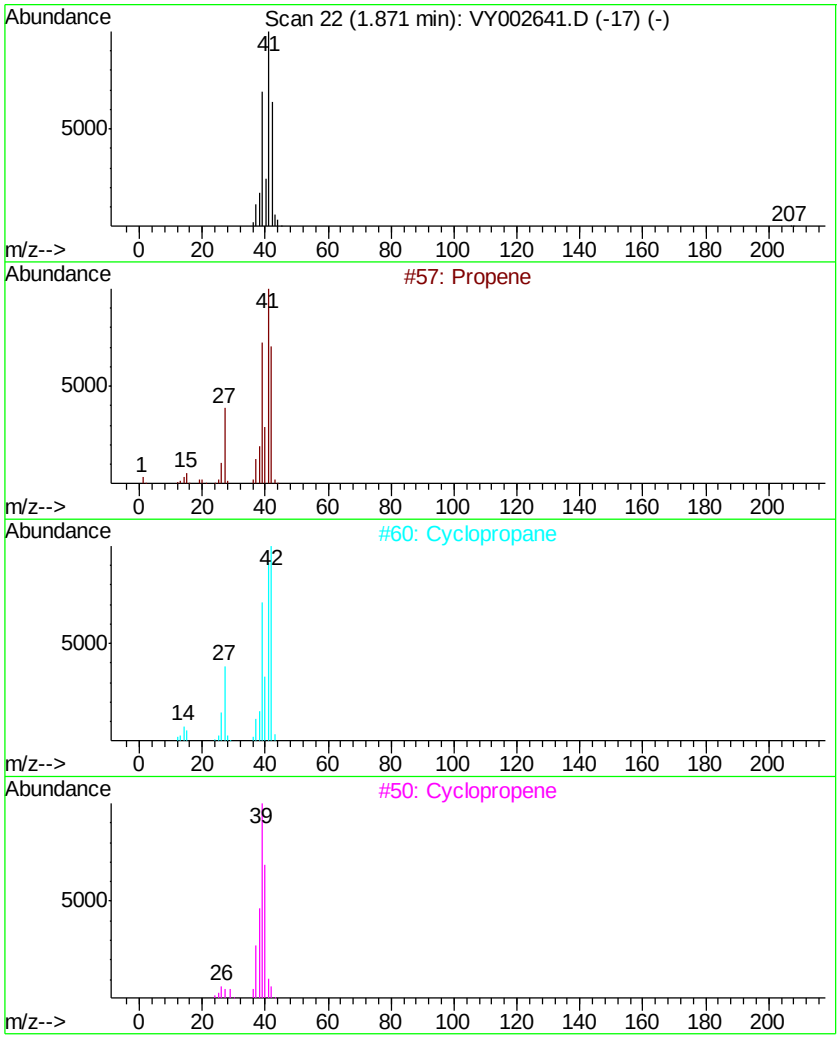
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

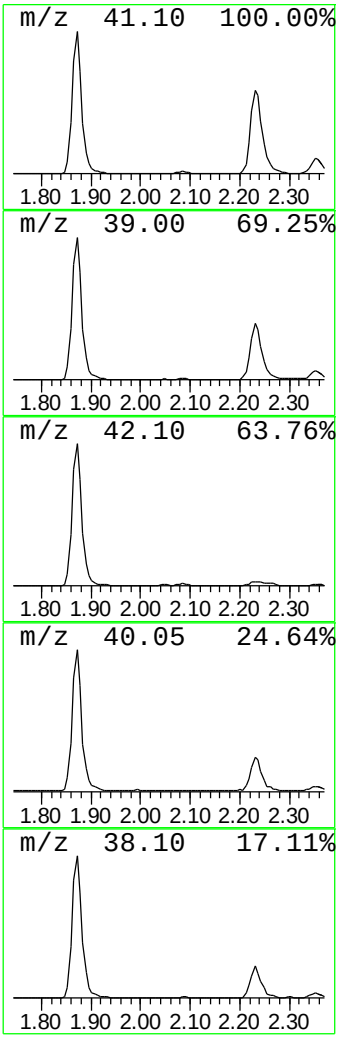
**********

Peak Number 1 Propene Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.87 | 23.06 ug/l | 393073 | Pentafluorobenzene | 7.82 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propene | 42 | C3H6 | 000115-07-1 | 86 |
| 2 | Cyclopropane | 42 | C3H6 | 000075-19-4 | 78 |
| 3 | Cyclopropene | 40 | C3H4 | 002781-85-3 | 16 |
| 4 | Cyanamide | 42 | CH2N2 | 000420-04-2 | 4 |
| 5 | 2-Oxetanone, 4-methyl- | 86 | C4H6O2 | 003068-88-0 | 4 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY050820\
Data File : VY002641.D
Acq On : 08 May 2020 14:37
Operator : SY/MD
Sample : L2554-01
Misc : 6.41G/5ML/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** DRUM-1-7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
Quant Title : SW846 8260

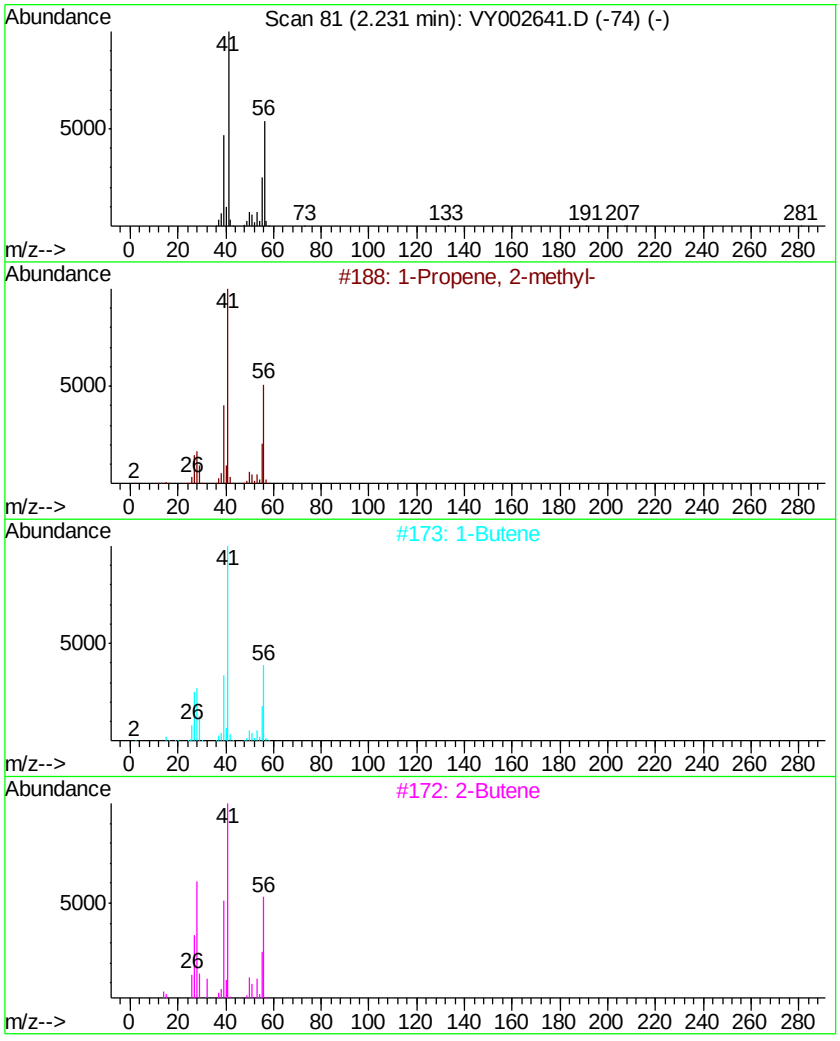
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

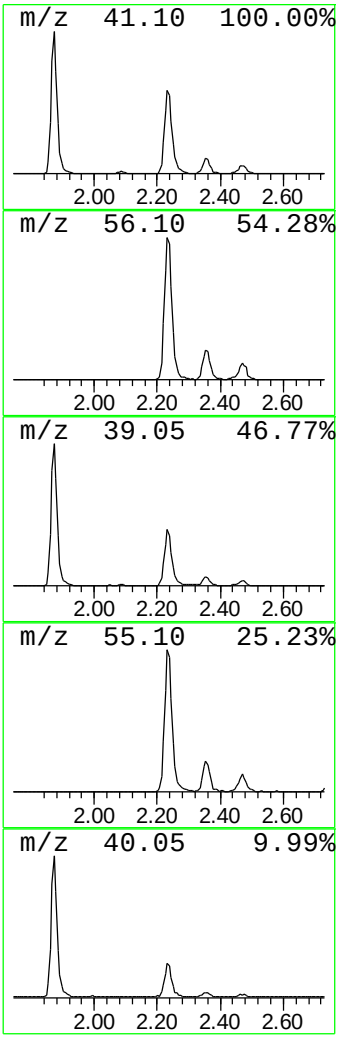
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.23 | 16.45 ug/l | 280305 | Pentafluorobenzene | 7.82 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Propene, 2-methyl- | 56 | C4H8 | 000115-11-7 | 90 |
| 2 | 1-Butene | 56 | C4H8 | 000106-98-9 | 87 |
| 3 | 2-Butene | 56 | C4H8 | 000107-01-7 | 83 |
| 4 | 2-Butene, (E)- | 56 | C4H8 | 000624-64-6 | 80 |
| 5 | 2-Butene, (Z)- | 56 | C4H8 | 000590-18-1 | 49 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY050820\
Data File : VY002641.D
Acq On : 08 May 2020 14:37
Operator : SY/MD
Sample : L2554-01
Misc : 6.41G/5ML/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** DRUM-1-7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
Quant Title : SW846 8260

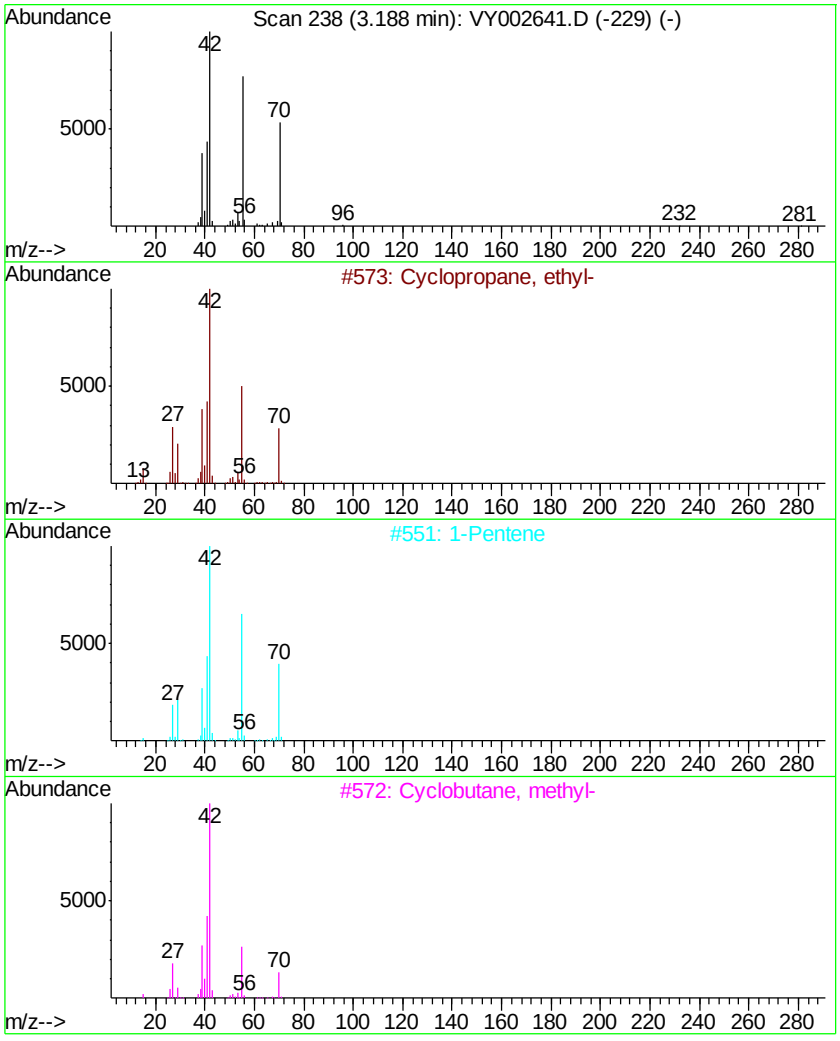
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

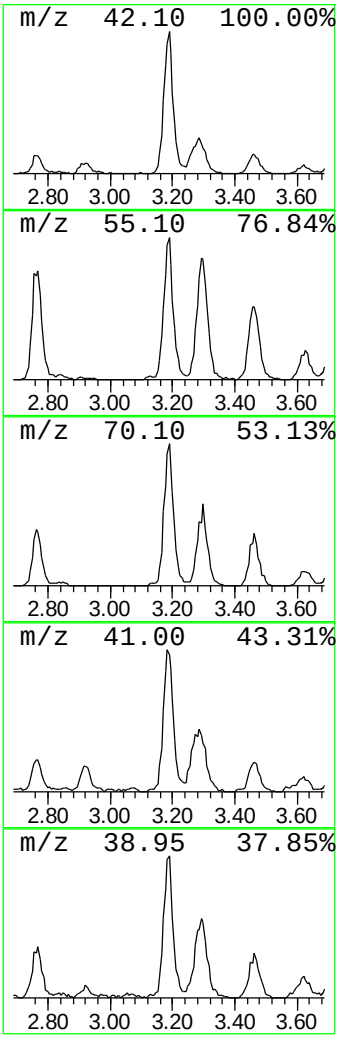
**********

Peak Number 3 Cyclopropane, ethyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.19 | 6.41 ug/l | 109231 | Pentafluorobenzene | 7.82 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopropane, ethyl- | 70 | C5H10 | 001191-96-4 | 91 |
| 2 | 1-Pentene | 70 | C5H10 | 000109-67-1 | 91 |
| 3 | Cyclobutane, methyl- | 70 | C5H10 | 000598-61-8 | 90 |
| 4 | Cyclopropane, 1,2-dimethyl-, cis- | 70 | C5H10 | 000930-18-7 | 60 |
| 5 | 2-Pentene | 70 | C5H10 | 000109-68-2 | 47 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY050820\
Data File : VY002641.D
Acq On : 08 May 2020 14:37
Operator : SY/MD
Sample : L2554-01
Misc : 6.41G/5ML/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** DRUM-1-7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
Quant Title : SW846 8260

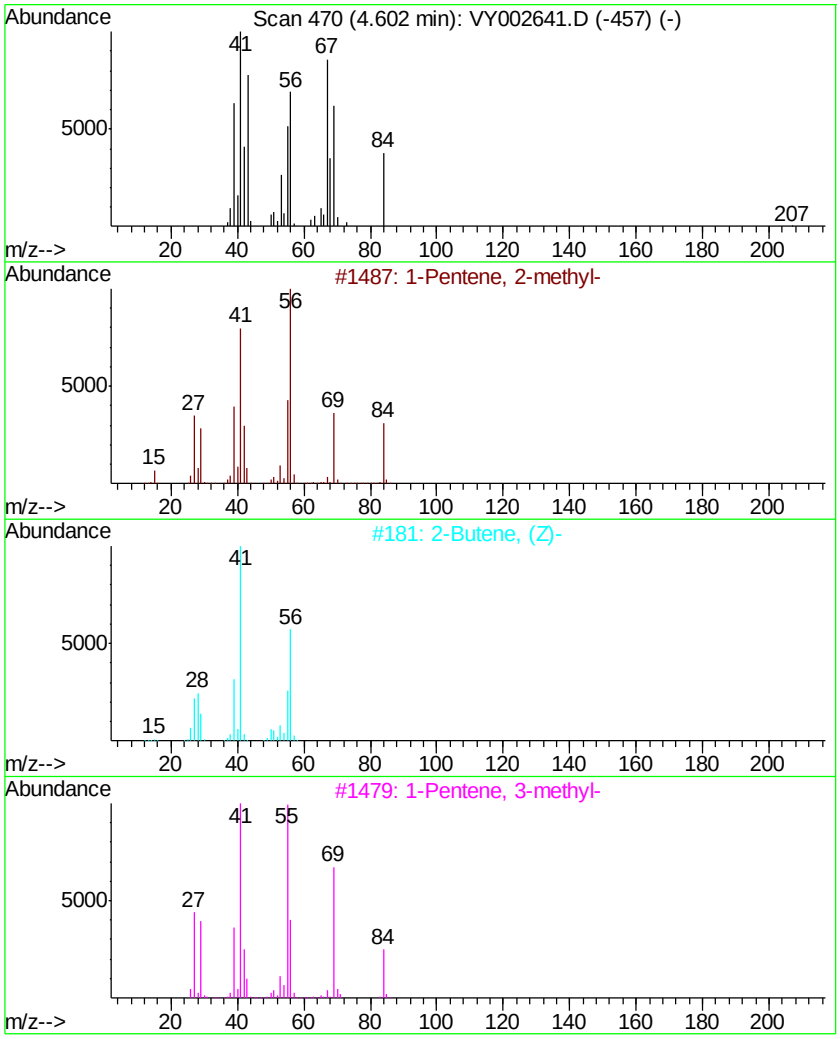
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

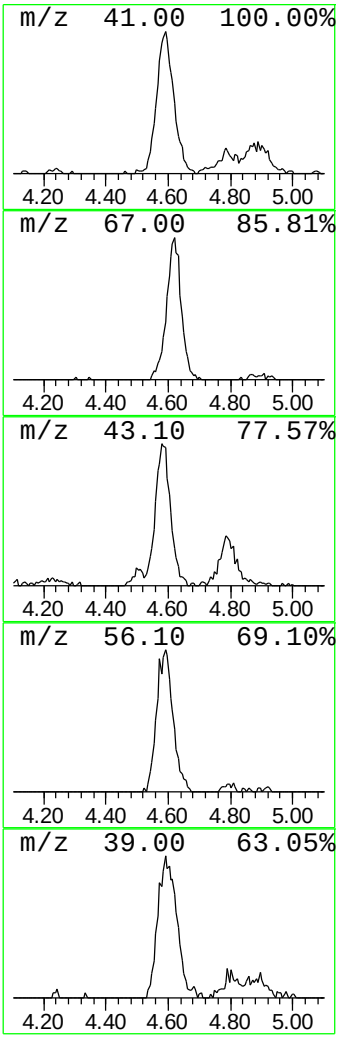
**********

Peak Number 4 unknown4.60 Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.60 | 5.84 ug/l | 99511 | Pentafluorobenzene | 7.82 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Pentene, 2-methyl- | 84 | C6H12 | 000763-29-1 | 38 |
| 2 | 2-Butene, (Z)- | 56 | C4H8 | 000590-18-1 | 35 |
| 3 | 1-Pentene, 3-methyl- | 84 | C6H12 | 000760-20-3 | 35 |
| 4 | Bicyclo[2.1.0]pentane | 68 | C5H8 | 000185-94-4 | 30 |
| 5 | 2-Butene, (E)- | 56 | C4H8 | 000624-64-6 | 30 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY050820\
Data File : VY002641.D
Acq On : 08 May 2020 14:37
Operator : SY/MD
Sample : L2554-01
Misc : 6.41G/5ML/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** DRUM-1-7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.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 |
| Propene | 1.87 | 23.1 | ug/l | 393073 | 1 | 7.82 | 852200 | 50.0 |
| 1-Propene, 2-methyl- | 2.23 | 16.4 | ug/l | 280305 | 1 | 7.82 | 852200 | 50.0 |
| Cyclopropane, ethyl- | 3.19 | 6.4 | ug/l | 109231 | 1 | 7.82 | 852200 | 50.0 |
| unknown4.60 | 4.60 | 5.8 | ug/l | 99511 | 1 | 7.82 | 852200 | 50.0 |