LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100220\
Data File : VU040463.D
Acq On : 02 Oct 2020 16:06
Operator : SY/MD
Sample : L4240-07DL 40X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG3R6DL

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 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_U\METHOD\SOMUTR092920WMA.M
Title : TRACE VOA SOM01.0

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.604 | 75 | 82 | 92 | rVB | 52297 | 59071 | 2.71% | 0.999% |
| 2 | 1.922 | 174 | 181 | 193 | rVB | 42285 | 52844 | 2.42% | 0.893% |
| 3 | 2.578 | 374 | 385 | 403 | rBV | 86657 | 142668 | 6.54% | 2.412% |
| 4 | 3.060 | 523 | 535 | 540 | rBV2 | 12979 | 23364 | 1.07% | 0.395% |
| 5 | 3.379 | 618 | 634 | 650 | rVB4 | 26373 | 58201 | 2.67% | 0.984% |
| 6 | 3.716 | 725 | 739 | 754 | rBV3 | 35361 | 75150 | 3.45% | 1.271% |
| 7 | 4.552 | 984 | 999 | 1013 | rBV3 | 17551 | 40897 | 1.88% | 0.691% |
| 8 | 4.652 | 1013 | 1030 | 1068 | rBV | 82829 | 251478 | 11.53% | 4.252% |
| 9 | 5.083 | 1147 | 1164 | 1184 | rBV | 75809 | 172669 | 7.92% | 2.919% |
| 10 | 5.742 | 1344 | 1369 | 1402 | rBV2 | 158694 | 427609 | 19.61% | 7.229% |
| 11 | 6.263 | 1517 | 1531 | 1551 | rBV | 165705 | 310313 | 14.23% | 5.246% |
| 12 | 6.703 | 1654 | 1668 | 1688 | rVB | 103004 | 197350 | 9.05% | 3.337% |
| 13 | 7.575 | 1926 | 1939 | 1956 | rBV | 52401 | 90188 | 4.14% | 1.525% |
| 14 | 7.906 | 2029 | 2042 | 2057 | rBV | 187496 | 317248 | 14.55% | 5.364% |
| 15 | 8.185 | 2118 | 2129 | 2141 | rBV3 | 34509 | 58206 | 2.67% | 0.984% |
| 16 | 8.639 | 2257 | 2270 | 2304 | rBV | 292151 | 536815 | 24.62% | 9.076% |
| 17 | 9.449 | 2499 | 2522 | 2553 | rBV2 | 1095800 | 2180806 | 100.00% | 36.870% |
| 18 | 10.758 | 2916 | 2929 | 2945 | rBV2 | 83977 | 135159 | 6.20% | 2.285% |
| 19 | 11.742 | 3226 | 3235 | 3244 | rBV3 | 20215 | 30601 | 1.40% | 0.517% |
| 20 | 11.809 | 3244 | 3256 | 3276 | rVB | 248667 | 436591 | 20.02% | 7.381% |
| 21 | 12.189 | 3361 | 3374 | 3390 | rVB | 195122 | 317646 | 14.57% | 5.370% |

Sum of corrected areas: 5914874

LSC Report - Integrated Chromatogram

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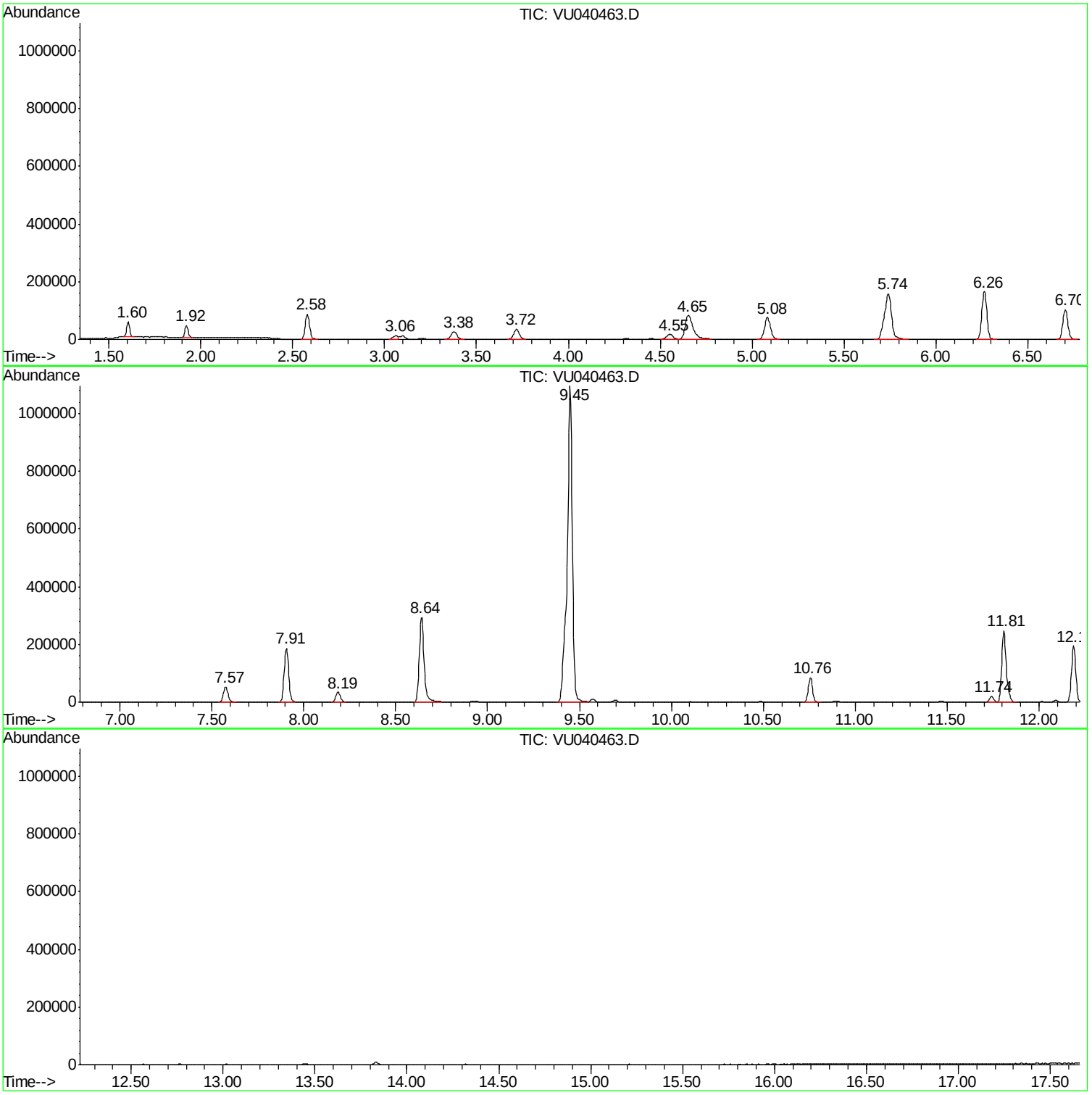
**Instrument :** MSVOA_U
**ClientSampleId :** BG3R6DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
Quant Title : TRACE VOA SOM01.0

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



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**ClientSampleId :** BG3R6DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
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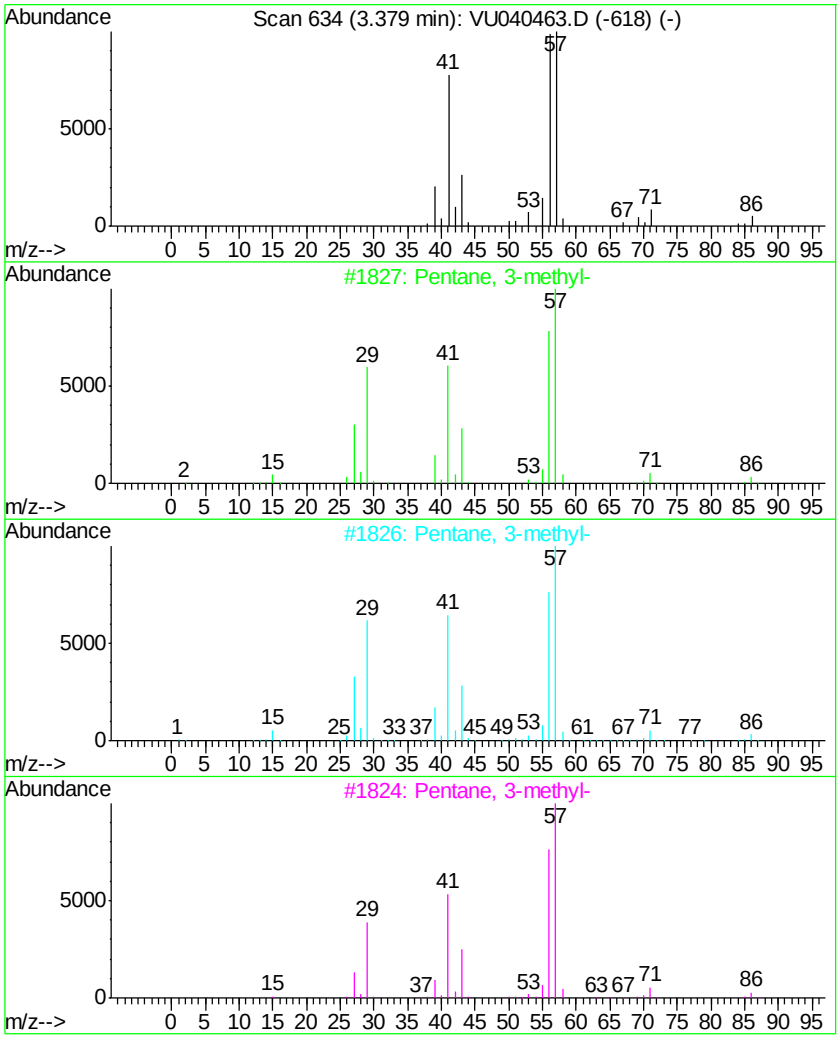
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

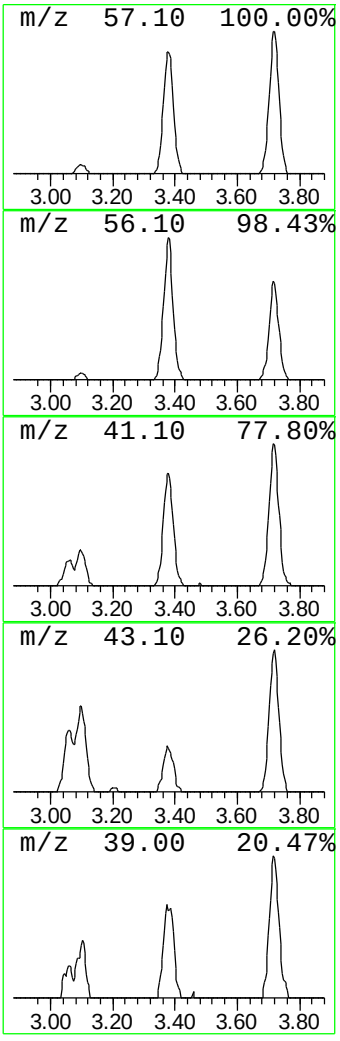
**********

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.38 | 0.94 ug/L | 58201 | 1,4-Difluorobenzene | 6.26 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane, 3-methyl- | 86 | C6H14 | 000096-14-0 | 86 |
| 2 | Pentane, 3-methyl- | 86 | C6H14 | 000096-14-0 | 86 |
| 3 | Pentane, 3-methyl- | 86 | C6H14 | 000096-14-0 | 64 |
| 4 | Butane, 2,2,3-trimethyl- | 100 | C7H16 | 000464-06-2 | 64 |
| 5 | Propane, 2-cyclopropyl- | 84 | C6H12 | 003638-35-5 | 59 |



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ALS Vial : 15 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG3R6DL

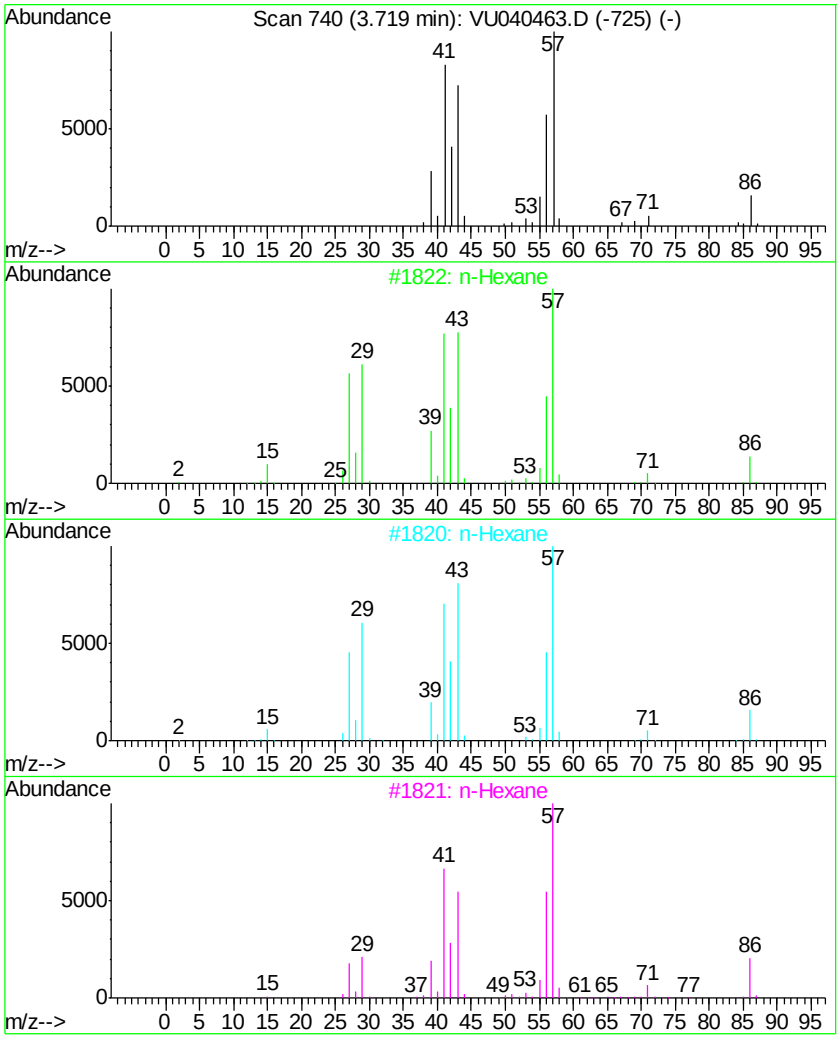
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
Quant Title : TRACE VOA SOM01.0

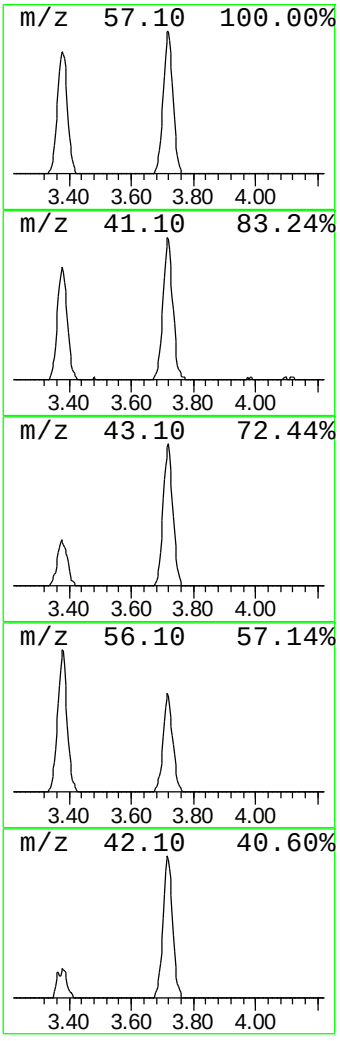
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.72 | 1.21 ug/L | 75150 | 1,4-Difluorobenzene | 6.26 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexane | 86 | C6H14 | 000110-54-3 | 91 |
| 2 | n-Hexane | 86 | C6H14 | 000110-54-3 | 90 |
| 3 | n-Hexane | 86 | C6H14 | 000110-54-3 | 64 |
| 4 | 1-Pentene, 4-methyl- | 84 | C6H12 | 000691-37-2 | 53 |
| 5 | Butane, 2,2,3-trimethyl- | 100 | C7H16 | 000464-06-2 | 43 |



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ALS Vial : 15 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG3R6DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
Quant Title : TRACE VOA SOM01.0

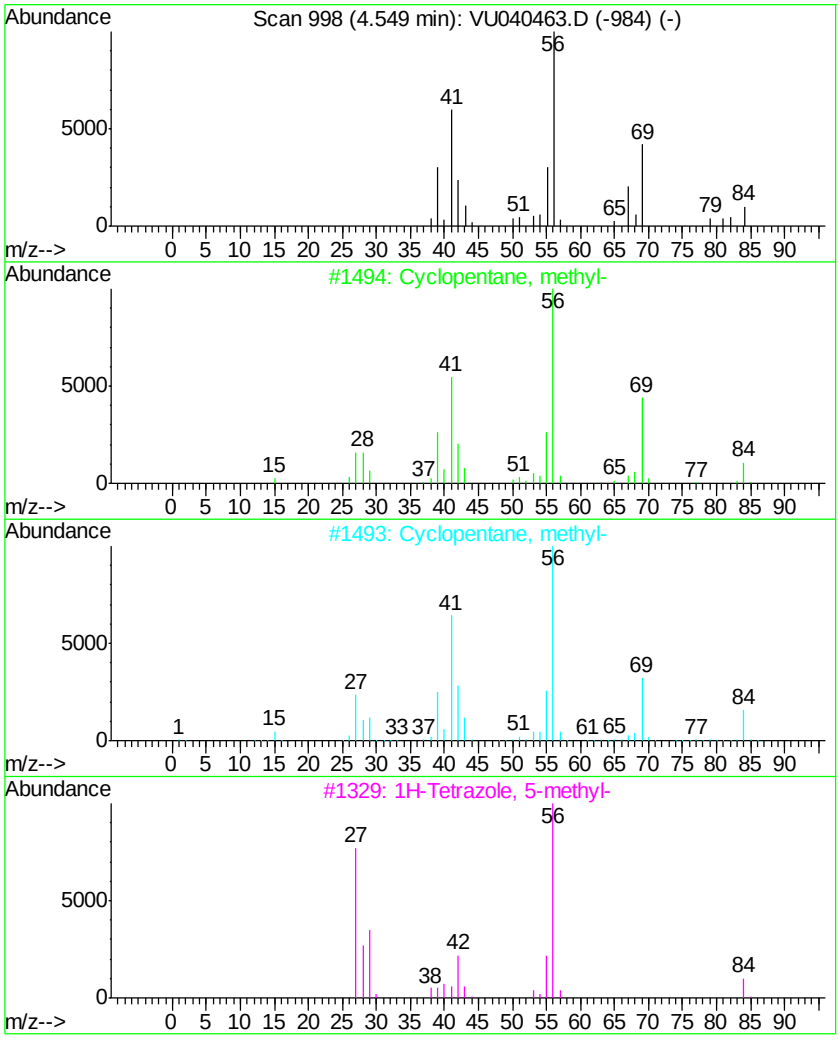
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

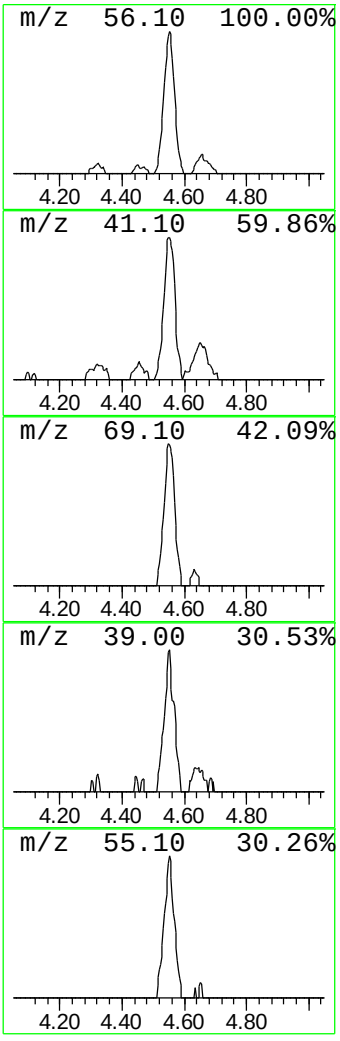
**********

Peak Number 3 (DEL) Alkane: Cyclic4.55 Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.55 | 0.66 ug/L | 40897 | 1,4-Difluorobenzene | 6.26 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, methyl- | 84 | C6H12 | 000096-37-7 | 87 |
| 2 | Cyclopentane, methyl- | 84 | C6H12 | 000096-37-7 | 83 |
| 3 | 1H-Tetrazole, 5-methyl- | 84 | C2H4N4 | 004076-36-2 | 64 |
| 4 | 1-Pentene, 2-methyl- | 84 | C6H12 | 000763-29-1 | 59 |
| 5 | Cyclopentane, methyl- | 84 | C6H12 | 000096-37-7 | 45 |



Tentatively Identified Compound (LSC) summary

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ALS Vial : 15 Sample Multiplier: 1

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Quant Title : TRACE VOA SOM01.0

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TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| (DEL) Alkane: Str... | 3.38 | 0.9 | ug/L | 58201 | 1 | 6.26 | 310313 | 5.0 |
| (DEL) Alkane: Str... | 3.72 | 1.2 | ug/L | 75150 | 1 | 6.26 | 310313 | 5.0 |
| (DEL) Alkane: Cyc... | 4.55 | 0.7 | ug/L | 40897 | 1 | 6.26 | 310313 | 5.0 |