# LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112219\
Data File : VV013739.D
Acq On : 22 Nov 2019 17:24
Operator : SY/MD
Sample : K5941-11
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** B0AC3

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_V\METHOD\SOMVTR112219WMA.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 | 1.113 | 4 | 7 | 19 | rVB5 | 12105 | 13762 | 1.08% | 0.120% |
| 2 | 1.251 | 45 | 50 | 59 | rVV | 51407 | 59512 | 4.66% | 0.518% |
| 3 | 1.315 | 63 | 70 | 82 | rVB | 188641 | 192510 | 15.08% | 1.676% |
| 4 | 1.582 | 146 | 153 | 164 | rVB | 162748 | 182891 | 14.33% | 1.592% |
| 5 | 2.129 | 313 | 323 | 334 | rBV | 297423 | 424086 | 33.22% | 3.692% |
| 6 | 2.344 | 378 | 390 | 408 | rBV2 | 22805 | 68670 | 5.38% | 0.598% |
| 7 | 2.991 | 576 | 591 | 608 | rBV2 | 104471 | 226832 | 17.77% | 1.975% |
| 8 | 3.936 | 873 | 885 | 914 | rBV | 147166 | 466271 | 36.52% | 4.059% |
| 9 | 4.399 | 1010 | 1029 | 1053 | rBV4 | 252435 | 783370 | 61.36% | 6.819% |
| 10 | 4.659 | 1096 | 1110 | 1123 | rBV2 | 20606 | 52731 | 4.13% | 0.459% |
| 11 | 5.093 | 1224 | 1245 | 1268 | rBV2 | 505477 | 1247158 | 97.69% | 10.856% |
| 12 | 5.579 | 1384 | 1396 | 1407 | rBV2 | 21349 | 49476 | 3.88% | 0.431% |
| 13 | 5.659 | 1409 | 1421 | 1439 | rVV | 375111 | 739328 | 57.91% | 6.436% |
| 14 | 5.955 | 1500 | 1513 | 1528 | rBV6 | 36677 | 88909 | 6.96% | 0.774% |
| 15 | 6.113 | 1548 | 1562 | 1587 | rBV | 289404 | 589424 | 46.17% | 5.131% |
| 16 | 6.624 | 1705 | 1721 | 1733 | rBV4 | 29188 | 80726 | 6.32% | 0.703% |
| 17 | 7.026 | 1833 | 1846 | 1863 | rBV | 142010 | 256974 | 20.13% | 2.237% |
| 18 | 7.180 | 1877 | 1894 | 1916 | rBV | 137513 | 292212 | 22.89% | 2.544% |
| 19 | 7.357 | 1934 | 1949 | 1969 | rBV | 611610 | 1056979 | 82.80% | 9.201% |
| 20 | 7.662 | 2032 | 2044 | 2061 | rBV | 86965 | 157025 | 12.30% | 1.367% |
| 21 | 8.016 | 2145 | 2154 | 2164 | rVB2 | 39527 | 67053 | 5.25% | 0.584% |
| 22 | 8.135 | 2179 | 2191 | 2231 | rBV2 | 521917 | 1276596 | 100.00% | 11.112% |
| 23 | 8.891 | 2413 | 2426 | 2442 | rBV | 557961 | 912597 | 71.49% | 7.944% |
| 24 | 9.170 | 2500 | 2513 | 2527 | rBV4 | 22853 | 47907 | 3.75% | 0.417% |
| 25 | 10.257 | 2839 | 2851 | 2865 | rBV | 223501 | 351855 | 27.56% | 3.063% |
| 26 | 10.421 | 2891 | 2902 | 2912 | rVB2 | 16231 | 27535 | 2.16% | 0.240% |
| 27 | 11.289 | 3157 | 3172 | 3192 | rBV | 525819 | 842443 | 65.99% | 7.333% |
| 28 | 11.666 | 3277 | 3289 | 3307 | rBV | 589193 | 933176 | 73.10% | 8.123% |

Sum of corrected areas: 11488008

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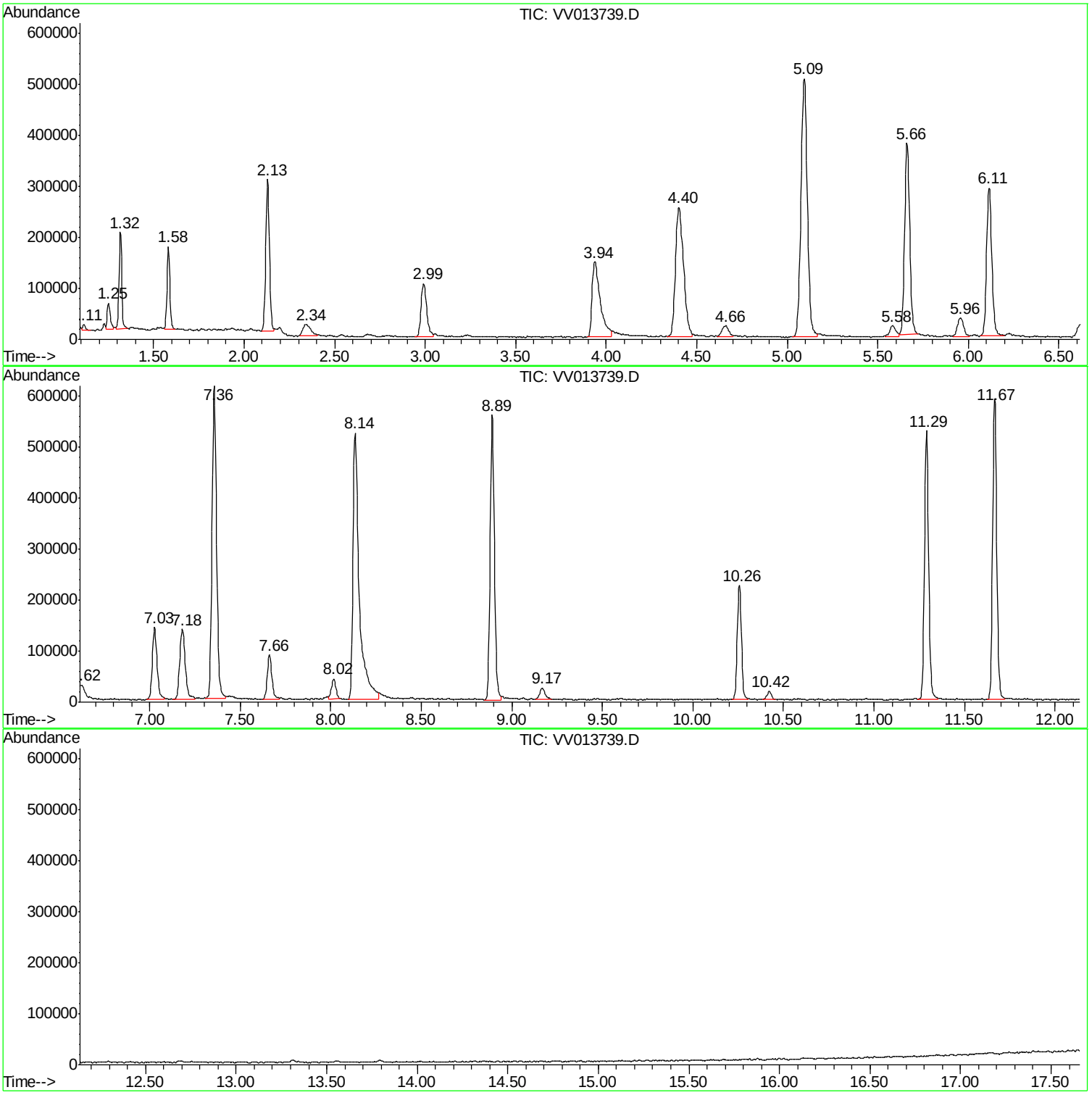
**Instrument :** MSVOA_V
**ClientSampleId :** B0AC3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
Quant Title : TRACE VOA SOM01.0

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



# Library Search Compound Report

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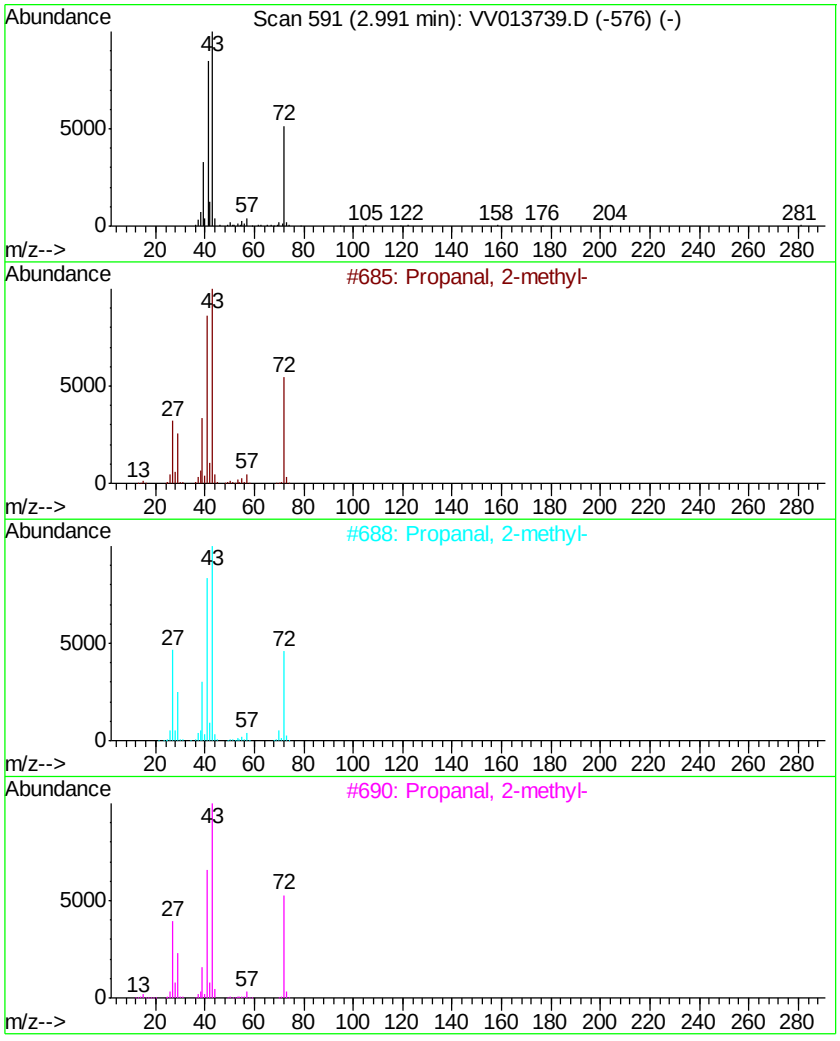
TIC Integration Parameters: LSCINT.P

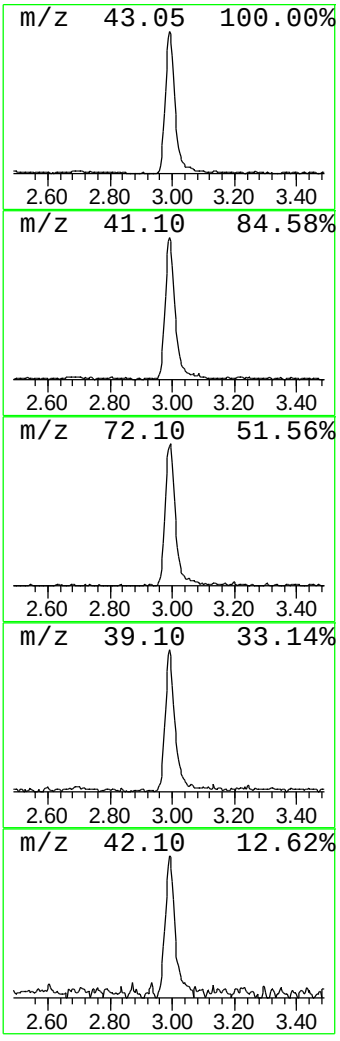
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.99 | 1.53 ug/L | 226832 | 1,4-Difluorobenzene | 5.66 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propanal, 2-methyl- | 72 | C4H8O | 000078-84-2 | 91 |
| 2 | Propanal, 2-methyl- | 72 | C4H8O | 000078-84-2 | 90 |
| 3 | Propanal, 2-methyl- | 72 | C4H8O | 000078-84-2 | 64 |
| 4 | Propanal, 2-methyl- | 72 | C4H8O | 000078-84-2 | 56 |
| 5 | Isobutylene epoxide | 72 | C4H8O | 000558-30-5 | 53 |



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**ClientSampleId :** B0AC3

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Quant Title : TRACE VOA SOM01.0

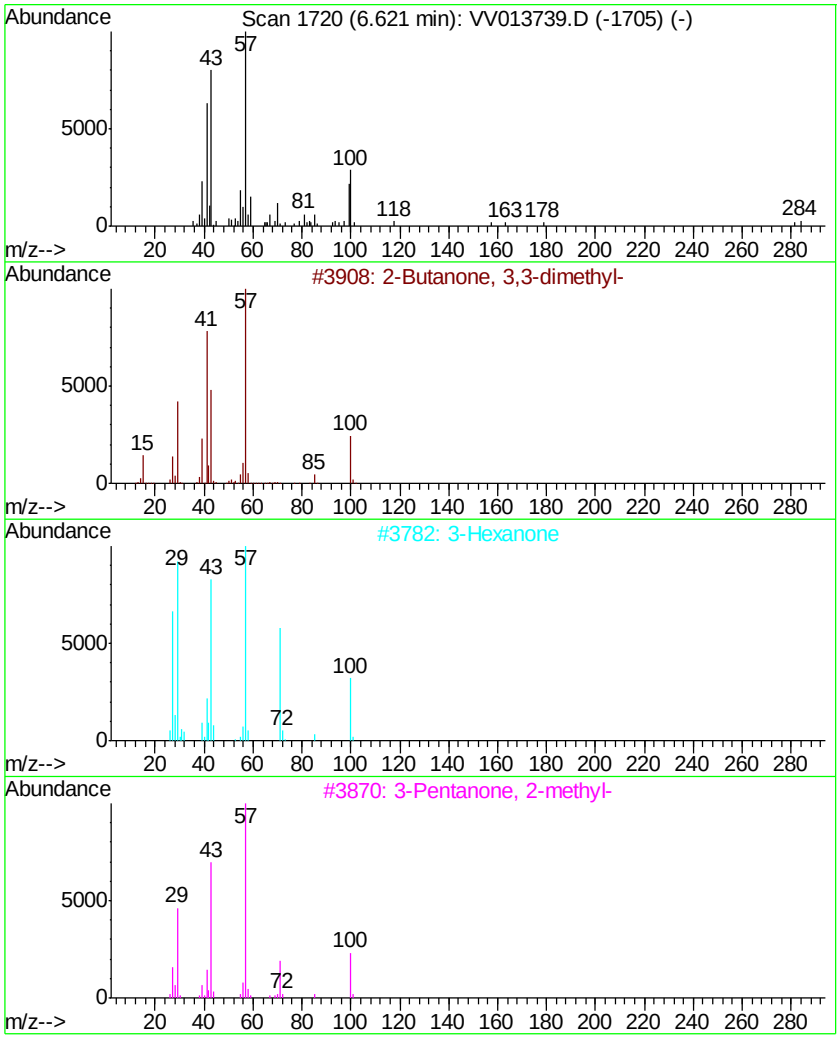
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

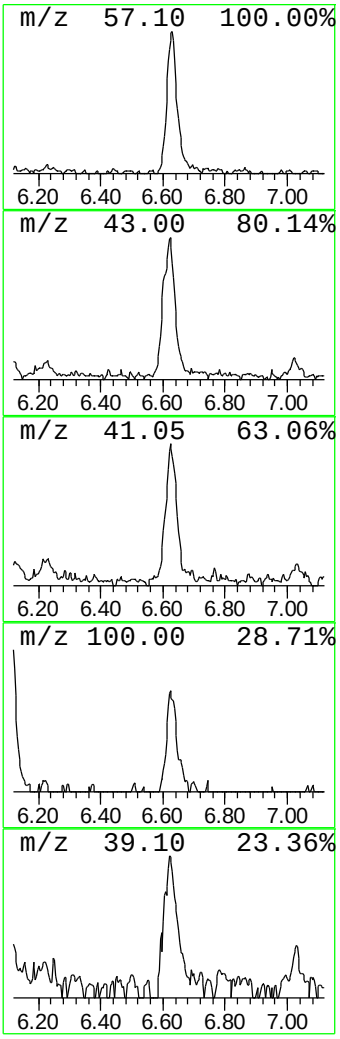
**********

Peak Number 2 2-Butanone, 3,3-dimethyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.62 | 0.55 ug/L | 80726 | 1,4-Difluorobenzene | 5.66 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Butanone, 3,3-dimethyl- | 100 | C6H12O | 000075-97-8 | 52 |
| 2 | 3-Hexanone | 100 | C6H12O | 000589-38-8 | 52 |
| 3 | 3-Pentanone, 2-methyl- | 100 | C6H12O | 000565-69-5 | 50 |
| 4 | 2-Butanone, 3,3-dimethyl- | 100 | C6H12O | 000075-97-8 | 50 |
| 5 | 2-Butanone, 3,3-dimethyl- | 100 | C6H12O | 000075-97-8 | 50 |



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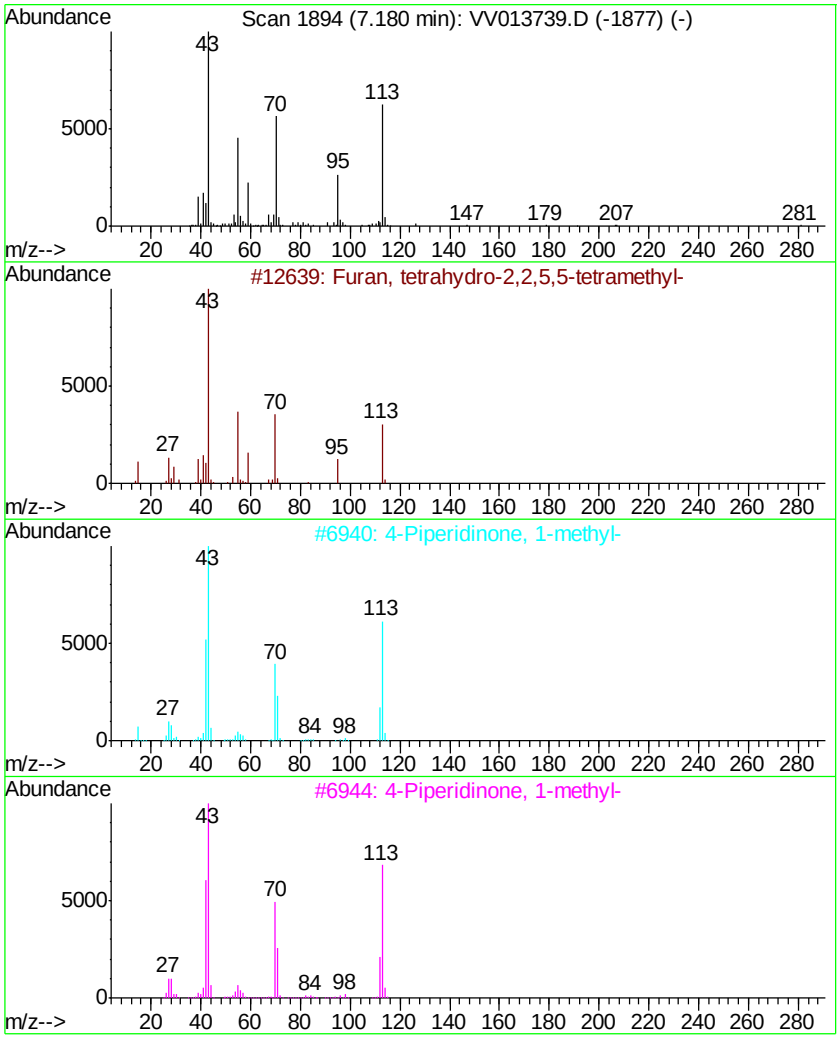
TIC Integration Parameters: LSCINT.P

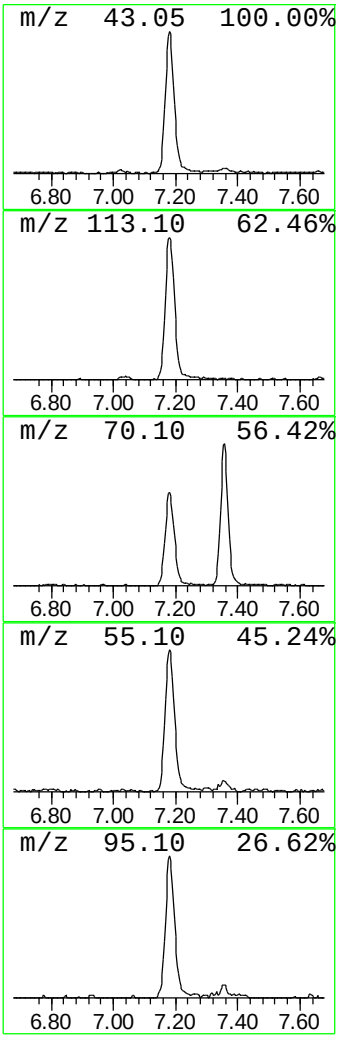
**********

Peak Number 4 Furan, tetrahydro-2,2,5,5-t... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.18 | 1.98 ug/L | 292212 | 1,4-Difluorobenzene | 5.66 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Furan, tetrahydro-2,2,5,5-tetram... | 128 | C8H16O | 015045-43-9 | 59 |
| 2 | 4-Piperidinone, 1-methyl- | 113 | C6H11NO | 001445-73-4 | 52 |
| 3 | 4-Piperidinone, 1-methyl- | 113 | C6H11NO | 001445-73-4 | 50 |
| 4 | Furan, tetrahydro-2,2,5,5-tetram... | 128 | C8H16O | 015045-43-9 | 47 |
| 5 | Ethosuximide | 141 | C7H11NO2 | 000077-67-8 | 43 |



Tentatively Identified Compound (LSC) summary

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| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Propanal, 2-methyl- | 2.99 | 1.5 | ug/L | 226832 | 1 | 5.66 | 739328 | 5.0 |
| 2-Butanone, 3,3-d... | 6.62 | 0.6 | ug/L | 80726 | 1 | 5.66 | 739328 | 5.0 |
| Furan, tetrahydro... | 7.18 | 2.0 | ug/L | 292212 | 1 | 5.66 | 739328 | 5.0 |