LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060120\
Data File : VU038466.D
Acq On : 01 Jun 2020 13:24
Operator : JC/MD
Sample : L2789-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BFX77

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\SOMUTR053120WMA.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 | 1.369 | 3 | 9 | 17 | rVB | 67864 | 65636 | 4.17% | 0.573% |
| 2 | 1.610 | 74 | 84 | 94 | rBV | 114556 | 133604 | 8.49% | 1.167% |
| 3 | 1.932 | 175 | 184 | 196 | rBV | 100607 | 132446 | 8.41% | 1.157% |
| 4 | 2.594 | 377 | 390 | 406 | rBV2 | 234686 | 432414 | 27.47% | 3.776% |
| 5 | 3.395 | 624 | 639 | 653 | rVB4 | 10424 | 24351 | 1.55% | 0.213% |
| 6 | 3.735 | 731 | 745 | 761 | rBV4 | 9137 | 19940 | 1.27% | 0.174% |
| 7 | 4.571 | 989 | 1005 | 1019 | rVB4 | 10844 | 26368 | 1.67% | 0.230% |
| 8 | 4.684 | 1019 | 1040 | 1077 | rBV | 187704 | 703341 | 44.68% | 6.142% |
| 9 | 4.848 | 1077 | 1091 | 1124 | rVB | 155143 | 392305 | 24.92% | 3.426% |
| 10 | 5.102 | 1152 | 1170 | 1198 | rBV4 | 250076 | 649428 | 41.25% | 5.671% |
| 11 | 5.761 | 1353 | 1375 | 1397 | rBV2 | 409681 | 1088959 | 69.17% | 9.509% |
| 12 | 6.279 | 1521 | 1536 | 1556 | rBV | 365920 | 704454 | 44.75% | 6.152% |
| 13 | 6.571 | 1612 | 1627 | 1645 | rBV | 107864 | 203808 | 12.95% | 1.780% |
| 14 | 6.722 | 1656 | 1674 | 1698 | rBV | 256444 | 498269 | 31.65% | 4.351% |
| 15 | 7.070 | 1768 | 1782 | 1802 | rBV | 173447 | 317221 | 20.15% | 2.770% |
| 16 | 7.590 | 1931 | 1944 | 1961 | rBV2 | 132936 | 235834 | 14.98% | 2.059% |
| 17 | 7.922 | 2033 | 2047 | 2083 | rBV | 471833 | 854260 | 54.26% | 7.460% |
| 18 | 8.201 | 2117 | 2134 | 2151 | rBV | 87514 | 149149 | 9.47% | 1.302% |
| 19 | 8.574 | 2236 | 2250 | 2261 | rBV2 | 56847 | 97775 | 6.21% | 0.854% |
| 20 | 8.658 | 2261 | 2276 | 2317 | rVV | 837578 | 1574331 | 100.00% | 13.748% |
| 21 | 8.960 | 2357 | 2370 | 2389 | rBV4 | 8480 | 22325 | 1.42% | 0.195% |
| 22 | 9.436 | 2504 | 2518 | 2555 | rVB | 522593 | 889606 | 56.51% | 7.769% |
| 23 | 10.770 | 2919 | 2933 | 2948 | rBV | 222430 | 358738 | 22.79% | 3.133% |
| 24 | 11.825 | 3247 | 3261 | 3276 | rBV | 554427 | 867013 | 55.07% | 7.571% |
| 25 | 12.082 | 3329 | 3341 | 3351 | rBV5 | 9458 | 19479 | 1.24% | 0.170% |
| 26 | 12.204 | 3365 | 3379 | 3395 | rVB | 516956 | 835178 | 53.05% | 7.293% |
| 27 | 17.388 | 4980 | 4991 | 5004 | rBV2 | 79743 | 155132 | 9.85% | 1.355% |

Sum of corrected areas: 11451364

LSC Report - Integrated Chromatogram

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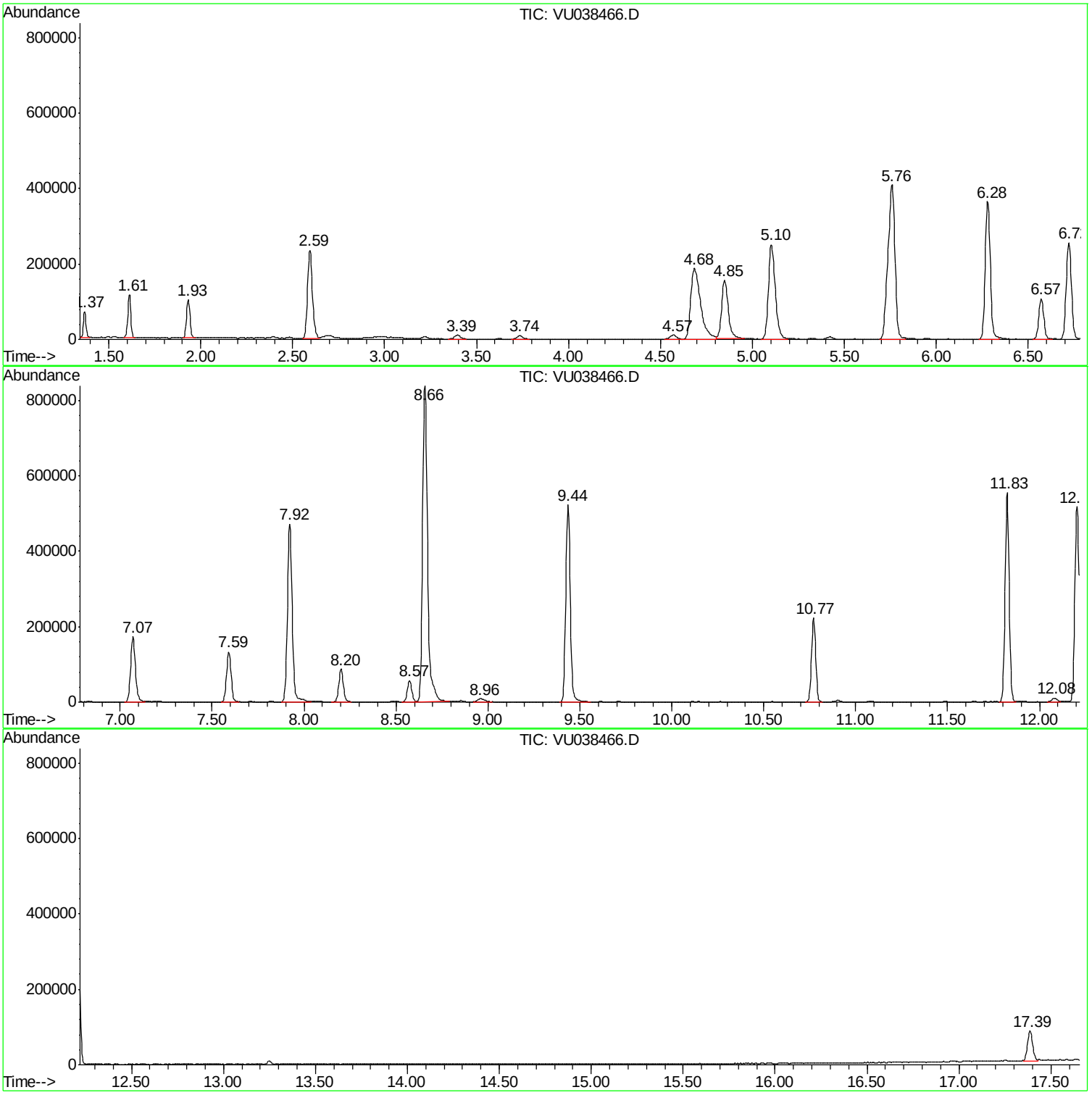
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BFX77

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

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



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060120\
Data File : VU038466.D
Acq On : 01 Jun 2020 13:24
Operator : JC/MD
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**ClientSampleId :** BFX77

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Quant Title : TRACE VOA SOM01.0

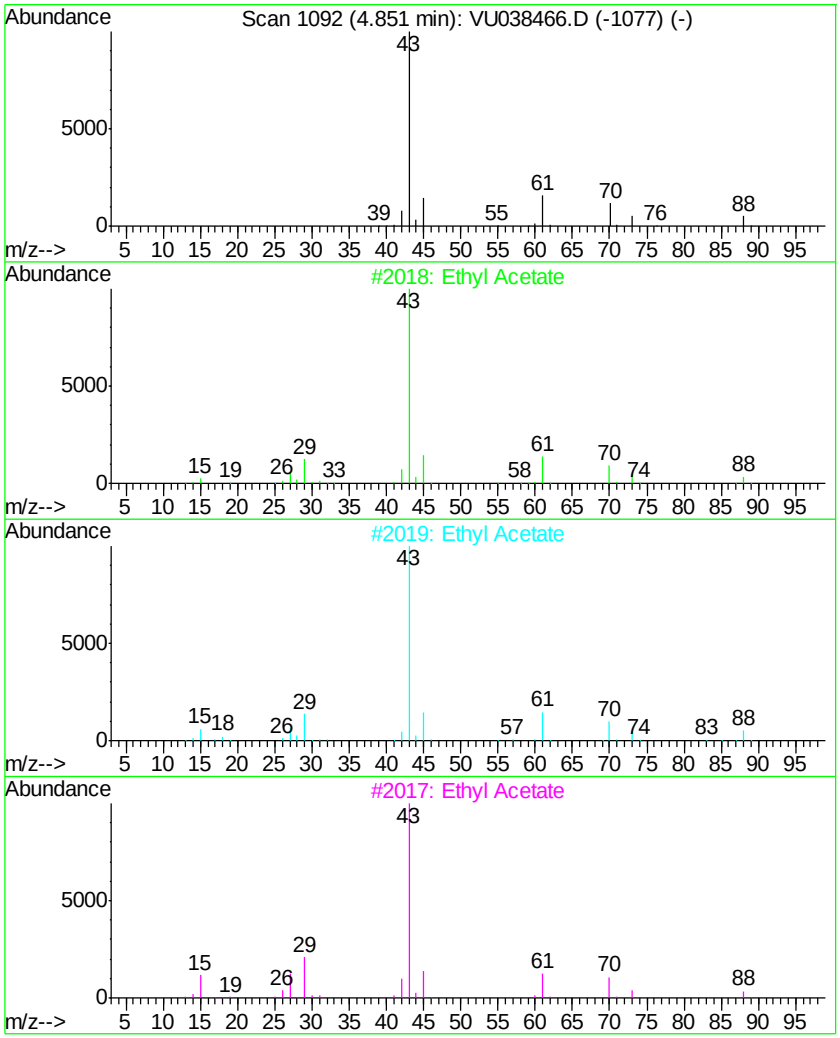
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

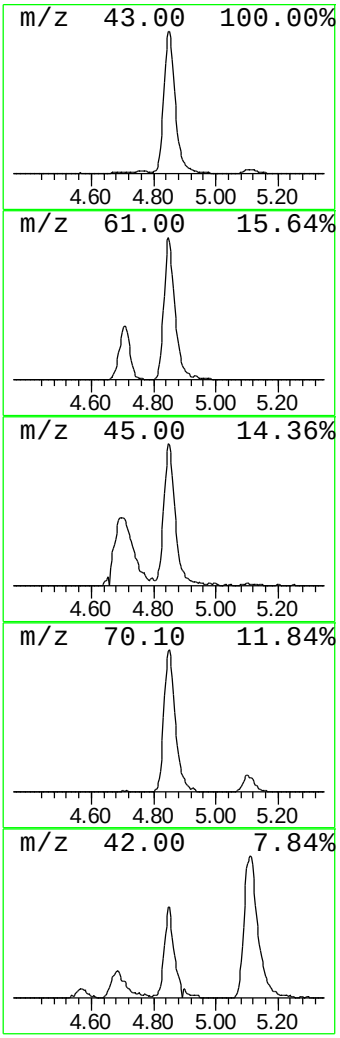
**********

Peak Number 1 Ethyl Acetate Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.85 | 2.78 ug/L | 392305 | 1,4-Difluorobenzene | 6.28 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethyl Acetate | 88 | C4H8O2 | 000141-78-6 | 86 |
| 2 | Ethyl Acetate | 88 | C4H8O2 | 000141-78-6 | 86 |
| 3 | Ethyl Acetate | 88 | C4H8O2 | 000141-78-6 | 86 |
| 4 | Ethyl Acetate | 88 | C4H8O2 | 000141-78-6 | 78 |
| 5 | Propanoic acid, 2-methyl- | 88 | C4H8O2 | 000079-31-2 | 37 |



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Data File : VU038466.D
Acq On : 01 Jun 2020 13:24
Operator : JC/MD
Sample : L2789-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BFX77

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

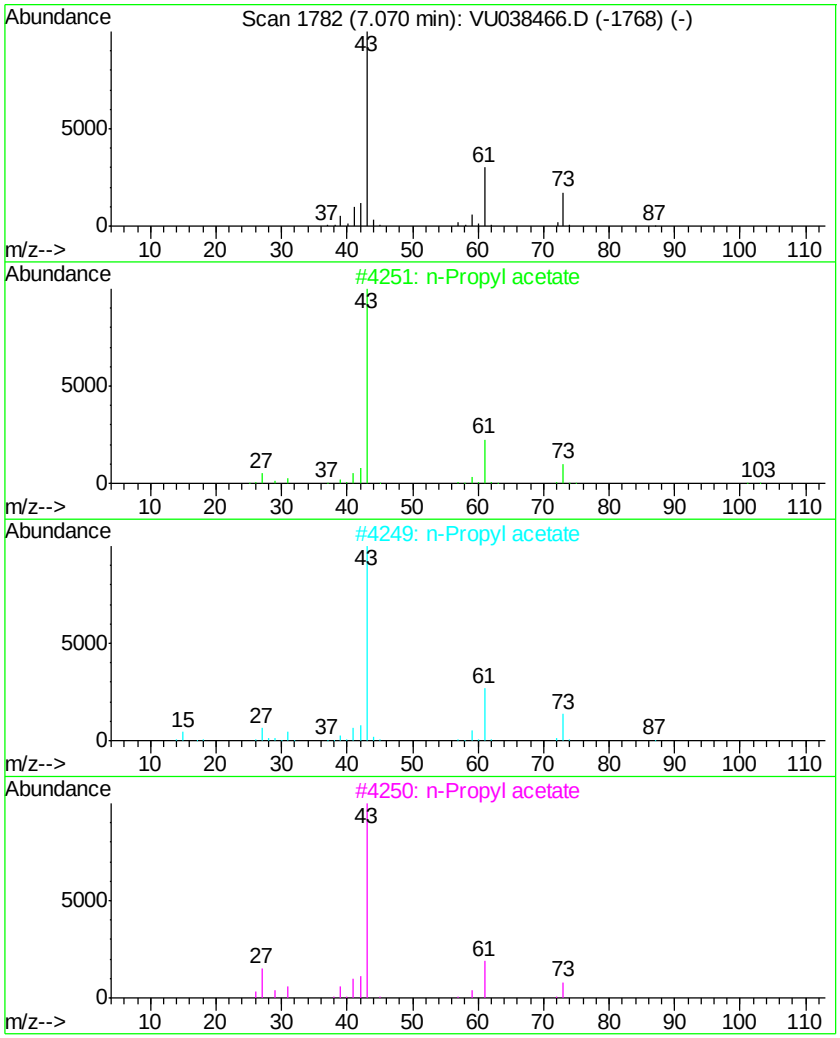
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

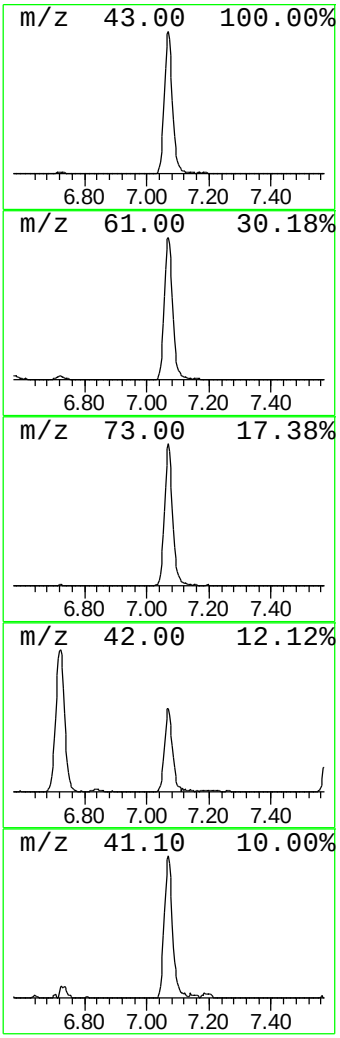
**********

Peak Number 2 n-Propyl acetate Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.07 | 2.25 ug/L | 317221 | 1,4-Difluorobenzene | 6.28 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Propyl acetate | 102 | C5H10O2 | 000109-60-4 | 83 |
| 2 | n-Propyl acetate | 102 | C5H10O2 | 000109-60-4 | 83 |
| 3 | n-Propyl acetate | 102 | C5H10O2 | 000109-60-4 | 78 |
| 4 | Isopropyl acetate | 102 | C5H10O2 | 000108-21-4 | 36 |
| 5 | Isopropyl acetate | 102 | C5H10O2 | 000108-21-4 | 33 |



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ALS Vial : 2 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BFX77

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

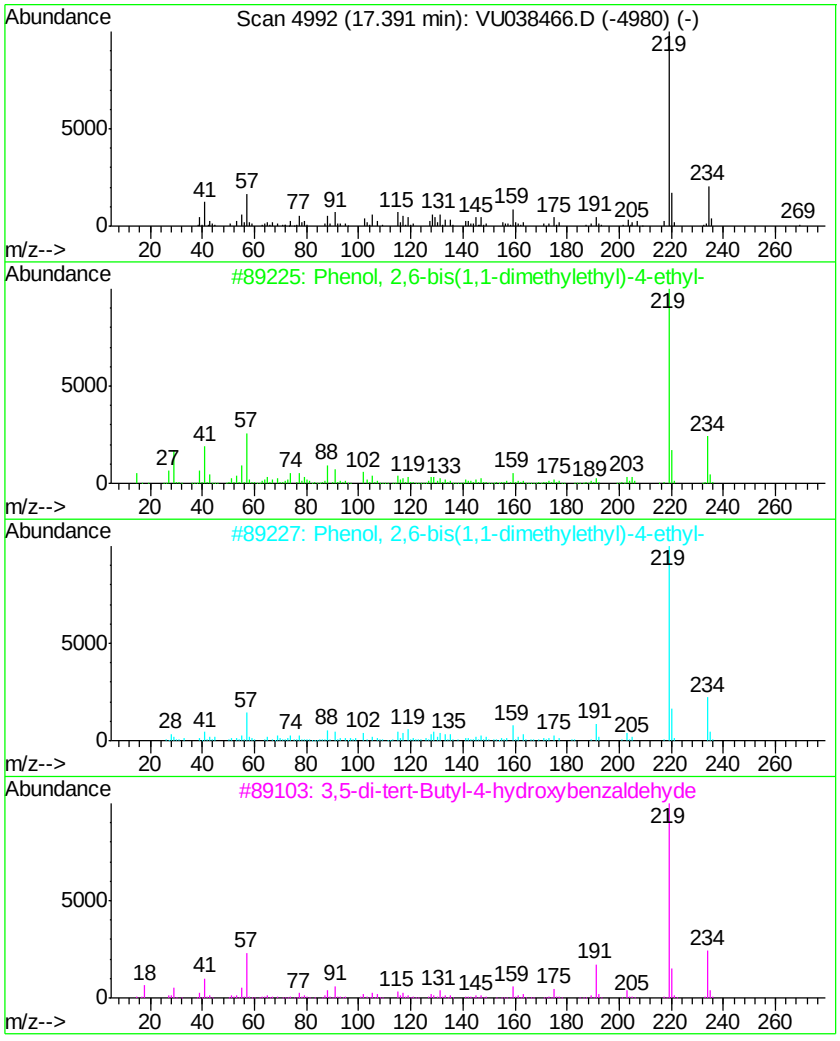
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

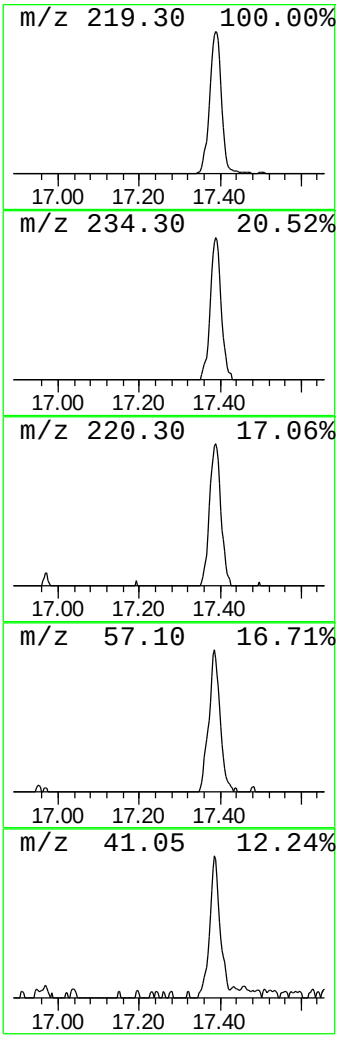
**********

Peak Number 4 Phenol, 2,6-bis(1,1-dimethy... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.39 | 0.89 ug/L | 155132 | 1,4-Dichlorobenzene-d4 | 11.82 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 2,6-bis(1,1-dimethylethy... | 234 | C16H26O | 004130-42-1 | 94 |
| 2 | Phenol, 2,6-bis(1,1-dimethylethy... | 234 | C16H26O | 004130-42-1 | 93 |
| 3 | 3,5-di-tert-Butyl-4-hydroxybenza... | 234 | C15H22O2 | 001620-98-0 | 90 |
| 4 | 3,5-di-tert-Butyl-4-hydroxybenza... | 234 | C15H22O2 | 001620-98-0 | 90 |
| 5 | 4-tert-Butyl-2,6-diisopropylphenol | 234 | C16H26O | 057354-65-1 | 74 |



Tentatively Identified Compound (LSC) summary

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TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Ethyl Acetate | 4.85 | 2.8 | ug/L | 392305 | 1 | 6.28 | 704454 | 5.0 |
| n-Propyl acetate | 7.07 | 2.3 | ug/L | 317221 | 1 | 6.28 | 704454 | 5.0 |
| Phenol, 2,6-bis(1... | 17.39 | 0.9 | ug/L | 155132 | 3 | 11.82 | 867013 | 5.0 |