LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU033021\
Data File : VU042832.D
Acq On : 30 Mar 2021 12:02
Operator : SY/MD
Sample : M1846-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** YAR34

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\SOMUTR030221WMA.M
Title : TRACE VOA SOM01.0

Signal : TIC: VU042832.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.491 | 40 | 47 | 54 | rBV2 | 5270 | 6278 | 1.62% | 0.217% |
| 2 | 1.591 | 70 | 78 | 95 | rVB2 | 41443 | 77632 | 20.05% | 2.679% |
| 3 | 1.697 | 103 | 111 | 126 | rBV | 18223 | 30876 | 7.98% | 1.066% |
| 4 | 1.919 | 172 | 180 | 195 | rVB | 30057 | 39699 | 10.26% | 1.370% |
| 5 | 2.575 | 371 | 384 | 397 | rBV | 61944 | 102055 | 26.36% | 3.522% |
| 6 | 2.658 | 397 | 410 | 440 | rBV2 | 8428 | 28655 | 7.40% | 0.989% |
| 7 | 4.452 | 951 | 968 | 994 | rBV2 | 30969 | 85973 | 22.21% | 2.967% |
| 8 | 4.652 | 1015 | 1030 | 1052 | rBV2 | 34951 | 121845 | 31.47% | 4.205% |
| 9 | 5.073 | 1144 | 1161 | 1182 | rBV2 | 55953 | 122150 | 31.55% | 4.215% |
| 10 | 5.735 | 1345 | 1367 | 1392 | rBV2 | 108424 | 284096 | 73.39% | 9.804% |
| 11 | 6.256 | 1516 | 1529 | 1550 | rBV | 111908 | 214328 | 55.37% | 7.397% |
| 12 | 6.700 | 1654 | 1667 | 1685 | rBV2 | 69348 | 135698 | 35.05% | 4.683% |
| 13 | 6.890 | 1714 | 1726 | 1735 | rBV4 | 2335 | 4235 | 1.09% | 0.146% |
| 14 | 7.137 | 1791 | 1803 | 1809 | rBV3 | 13683 | 26301 | 6.79% | 0.908% |
| 15 | 7.179 | 1810 | 1816 | 1837 | rVB3 | 16493 | 32557 | 8.41% | 1.124% |
| 16 | 7.575 | 1928 | 1939 | 1952 | rBV3 | 36117 | 62826 | 16.23% | 2.168% |
| 17 | 7.906 | 2029 | 2042 | 2059 | rBV | 127880 | 221824 | 57.30% | 7.655% |
| 18 | 8.189 | 2118 | 2130 | 2148 | rVB | 22288 | 38739 | 10.01% | 1.337% |
| 19 | 8.648 | 2259 | 2273 | 2310 | rBV | 181636 | 387118 | 100.00% | 13.360% |
| 20 | 8.796 | 2310 | 2319 | 2328 | rVV4 | 10690 | 18694 | 4.83% | 0.645% |
| 21 | 8.851 | 2328 | 2336 | 2343 | rVB6 | 3269 | 5570 | 1.44% | 0.192% |
| 22 | 9.427 | 2502 | 2515 | 2531 | rBV | 166558 | 278024 | 71.82% | 9.595% |
| 23 | 10.764 | 2920 | 2931 | 2944 | rVB3 | 58363 | 90800 | 23.46% | 3.134% |
| 24 | 11.819 | 3248 | 3259 | 3274 | rVB | 163810 | 261756 | 67.62% | 9.033% |
| 25 | 12.201 | 3366 | 3378 | 3394 | rBV2 | 135305 | 219941 | 56.81% | 7.590% |

Sum of corrected areas: 2897670

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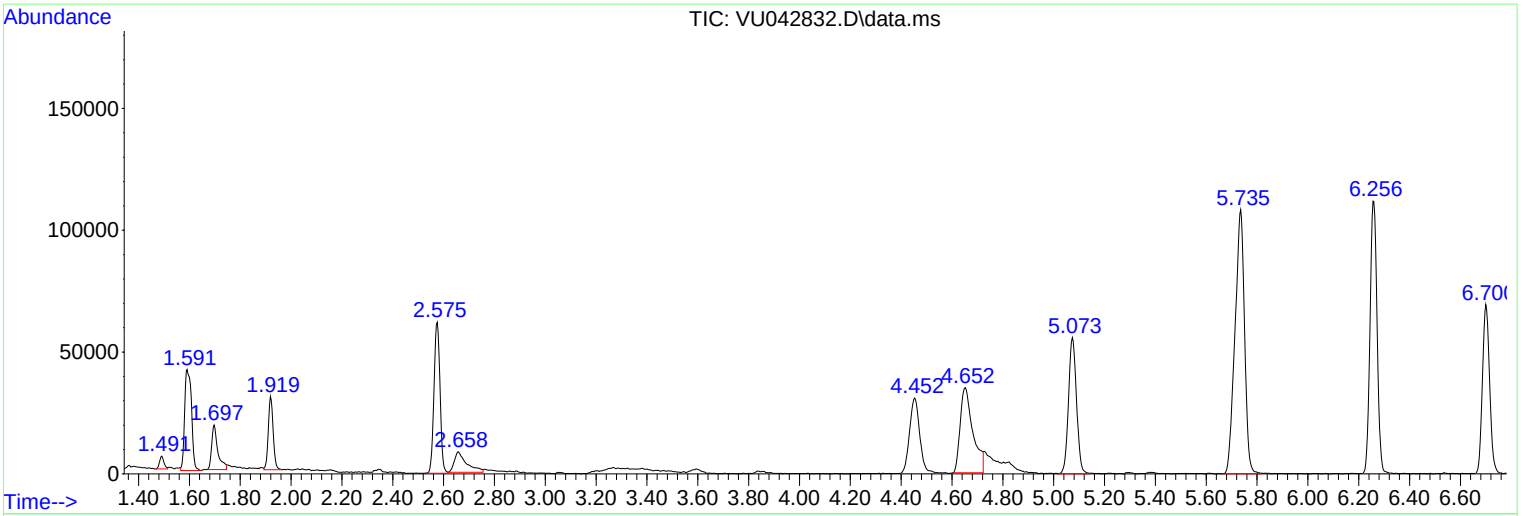
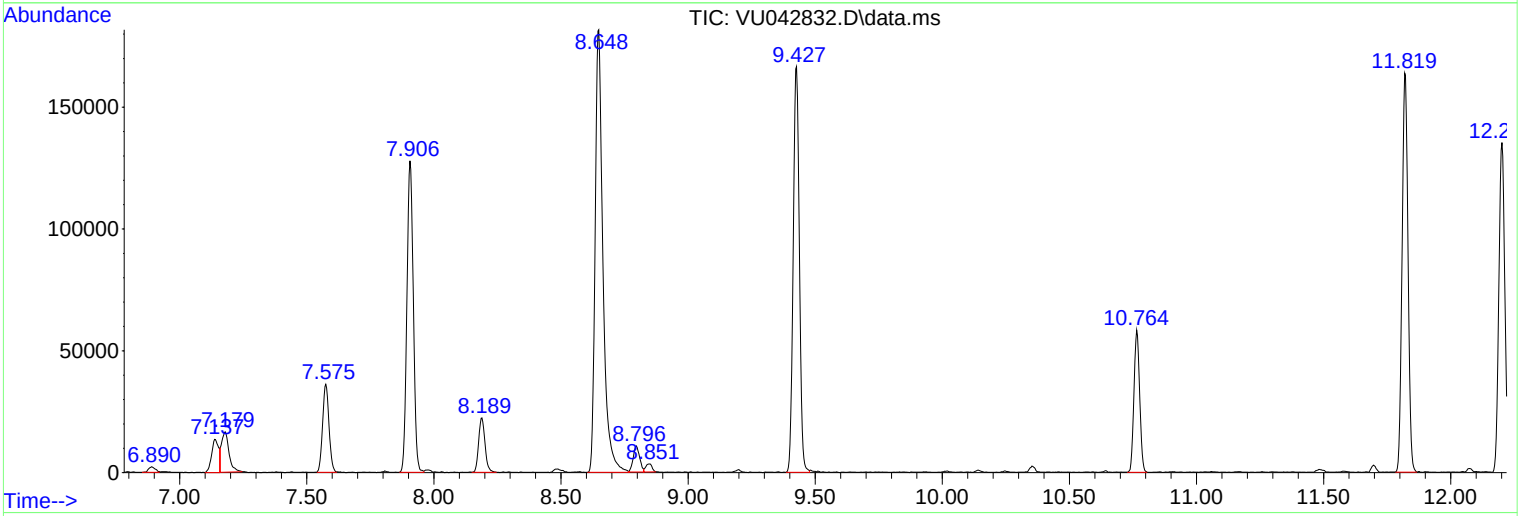
ALS Vial : 6 Sample Multiplier: 1

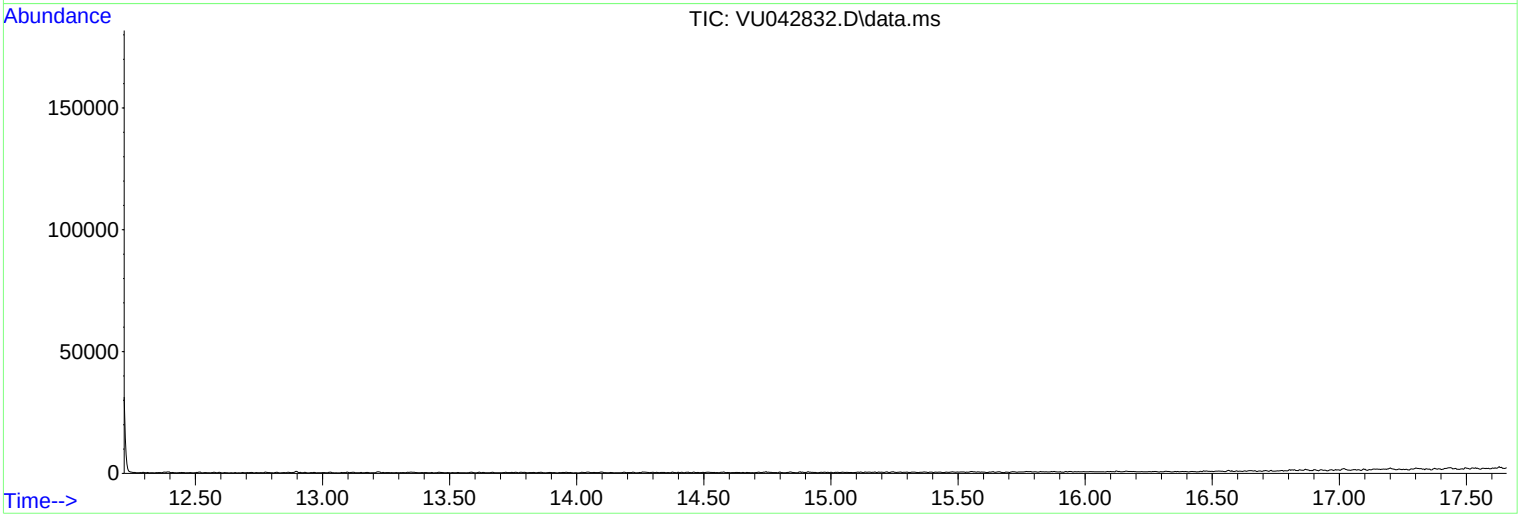
**Instrument :**
MSVOA_U
**ClientSampleId :**
YAR34

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SOMUTR030221WMA.M
Quant Title : TRACE VOA SOM01.0

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



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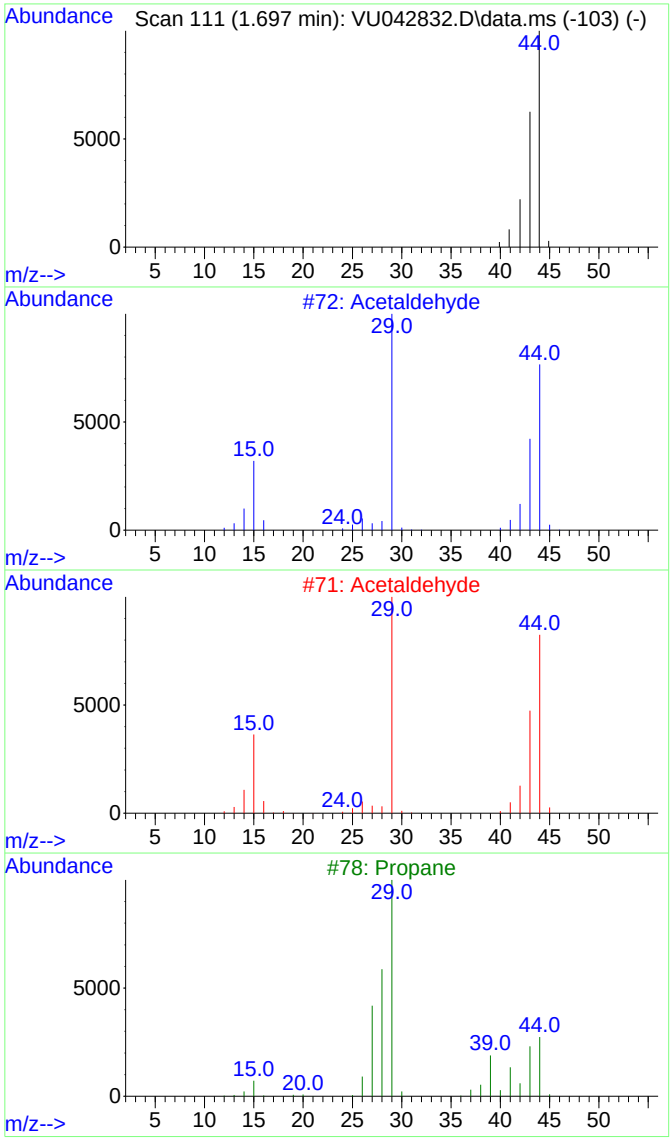
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

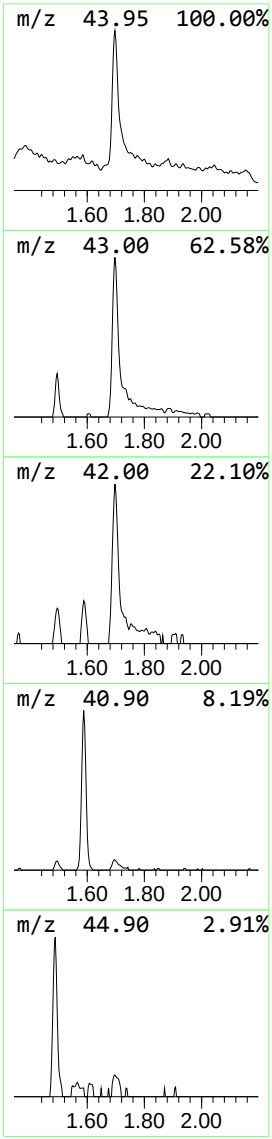
**********

Peak Number 1 unknown-01 Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.697 | 0.72 ug/L | 30876 | 1,4-Difluorobenzene | 6.259 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Acetaldehyde | 44 | C2H4O | 000075-07-0 | 7 |
| 2 | Acetaldehyde | 44 | C2H4O | 000075-07-0 | 7 |
| 3 | Propane | 44 | C3H8 | 000074-98-6 | 5 |
| 4 | Ethylene oxide | 44 | C2H4O | 000075-21-8 | 5 |
| 5 | Ethylene oxide | 44 | C2H4O | 000075-21-8 | 5 |



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Data File : VU042832.D
Acq On : 30 Mar 2021 12:02
Operator : SY/MD
Sample : M1846-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** YAR34

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SOMUTR030221WMA.M
Quant Title : TRACE VOA SOM01.0

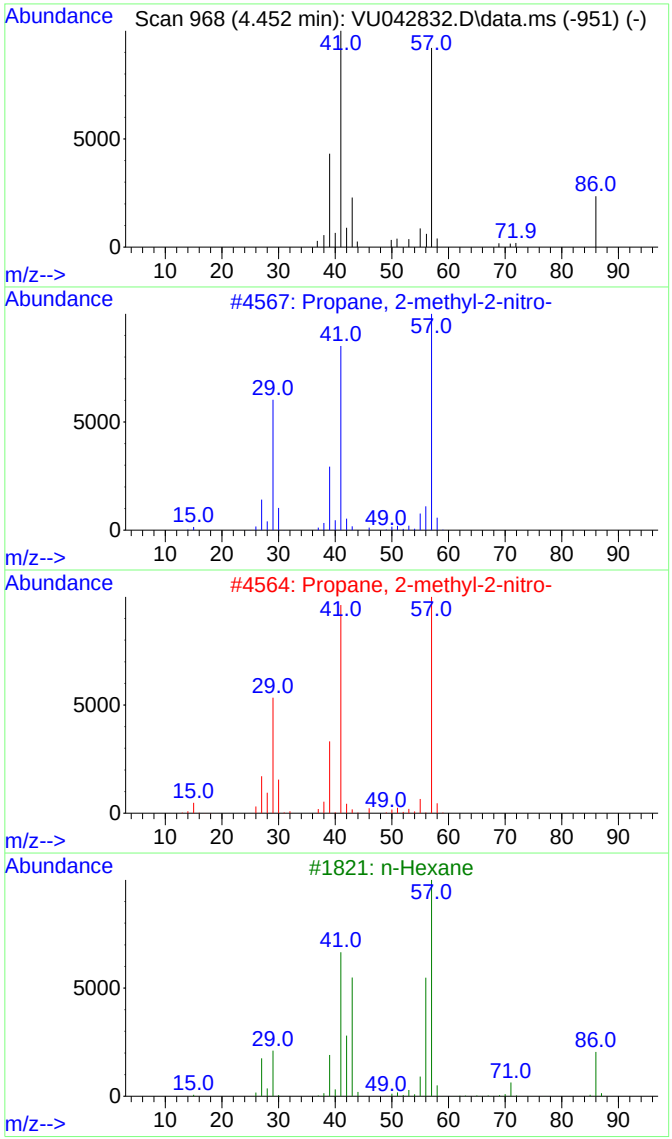
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

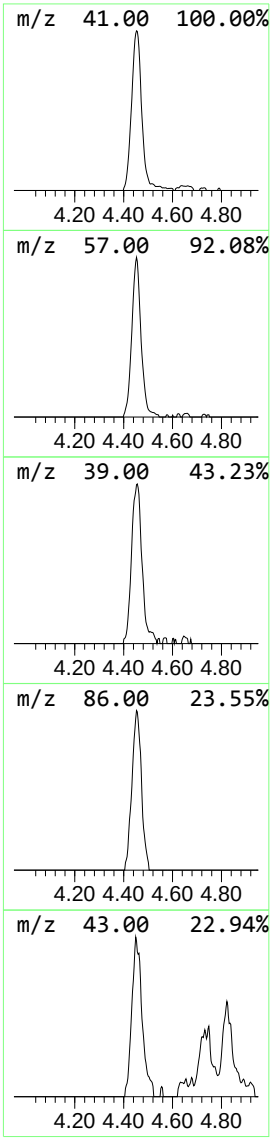
**********

Peak Number 2 unknown-02 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.452 | 2.01 ug/L | 85973 | 1,4-Difluorobenzene | 6.259 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propane, 2-methyl-2-nitro- | 103 | C4H9NO2 | 000594-70-7 | 38 |
| 2 | Propane, 2-methyl-2-nitro- | 103 | C4H9NO2 | 000594-70-7 | 35 |
| 3 | n-Hexane | 86 | C6H14 | 000110-54-3 | 32 |
| 4 | Propanal, 2,2-dimethyl- | 86 | C5H10O | 000630-19-3 | 27 |
| 5 | Propanal, 2,2-dimethyl- | 86 | C5H10O | 000630-19-3 | 12 |



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Data File : VU042832.D
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Operator : SY/MD
Sample : M1846-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** YAR34

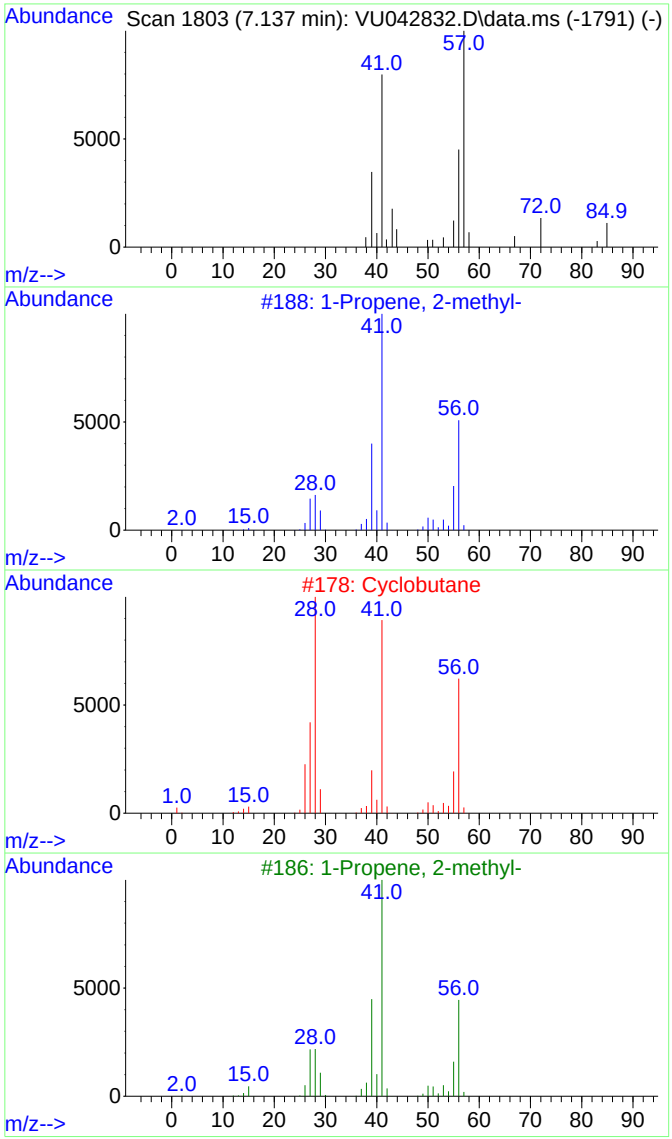
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SOMUTR030221WMA.M
Quant Title : TRACE VOA SOM01.0

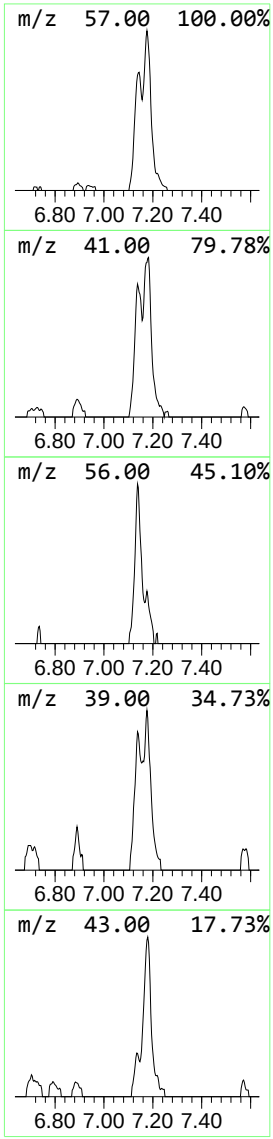
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.137 | 0.61 ug/L | 26301 | 1,4-Difluorobenzene | 6.259 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Propene, 2-methyl- | 56 | C4H8 | 000115-11-7 | 46 |
| 2 | Cyclobutane | 56 | C4H8 | 000287-23-0 | 43 |
| 3 | 1-Propene, 2-methyl- | 56 | C4H8 | 000115-11-7 | 43 |
| 4 | Butane, 1-chloro-2-methyl- | 106 | C5H11Cl | 000616-13-7 | 42 |
| 5 | Pentane, 2,2-dimethyl- | 100 | C7H16 | 000590-35-2 | 36 |



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ALS Vial : 6 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** YAR34

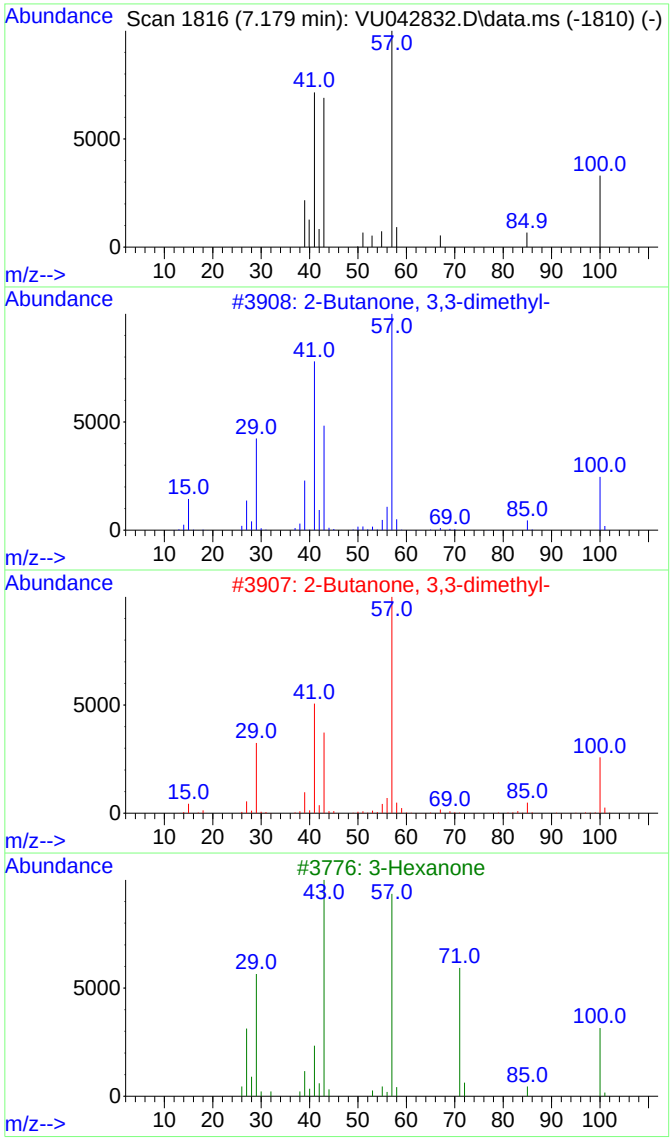
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SOMUTR030221WMA.M
Quant Title : TRACE VOA SOM01.0

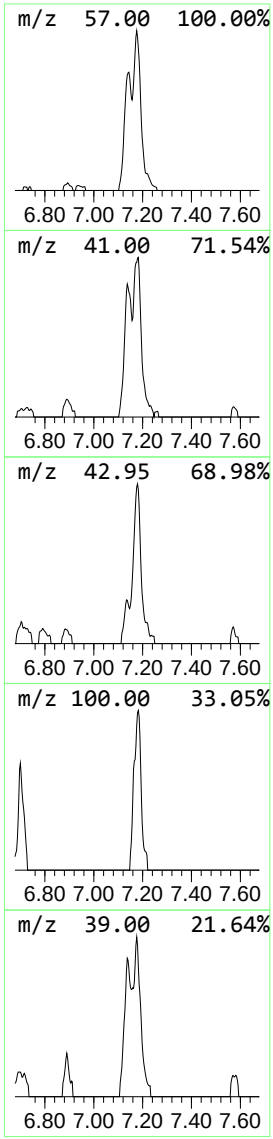
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.179 | 0.76 ug/L | 32557 | 1,4-Difluorobenzene | 6.259 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Butanone, 3,3-dimethyl- | 100 | C6H12O | 000075-97-8 | 80 |
| 2 | 2-Butanone, 3,3-dimethyl- | 100 | C6H12O | 000075-97-8 | 64 |
| 3 | 3-Hexanone | 100 | C6H12O | 000589-38-8 | 53 |
| 4 | 3-Pentanone, 2-methyl- | 100 | C6H12O | 000565-69-5 | 42 |
| 5 | 3-Hexanone | 100 | C6H12O | 000589-38-8 | 42 |



Tentatively Identified Compound (LSC) summary

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Quant Title : TRACE VOA SOM01.0

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

| | | | | | --Internal Standard--- | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| unknown-01 | 1.697 | 0.7 | ug/L | 30876 | 1 | 6.259 | 214328 | 5.0 |
| unknown-02 | 4.452 | 2.0 | ug/L | 85973 | 1 | 6.259 | 214328 | 5.0 |
| (DEL) Alkane: S... | 7.137 | 0.6 | ug/L | 26301 | 1 | 6.259 | 214328 | 5.0 |
| 2-Butanone, 3,3... | 7.179 | 0.8 | ug/L | 32557 | 1 | 6.259 | 214328 | 5.0 |