LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092521\
Data File : VU044852.D
Acq On : 25 Sep 2021 21:15
Operator : SY/MD
Sample : M3895-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** 210922099-02-VOA

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_U\Method\82U092421W.M
Title : SW846 8260

Signal : TIC: VU044852.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.481 | 39 | 44 | 53 | rVB | 48071 | 45496 | 1.00% | 0.292% |
| 2 | 2.633 | 389 | 402 | 426 | rBV2 | 39229 | 81987 | 1.81% | 0.527% |
| 3 | 3.186 | 551 | 574 | 618 | rBV | 1183077 | 2875346 | 63.31% | 18.469% |
| 4 | 4.636 | 1001 | 1025 | 1068 | rBV | 1746401 | 4541539 | 100.00% | 29.171% |
| 5 | 4.809 | 1071 | 1079 | 1099 | rVB3 | 26285 | 69338 | 1.53% | 0.445% |
| 6 | 5.054 | 1139 | 1155 | 1191 | rVB | 479264 | 1066130 | 23.48% | 6.848% |
| 7 | 5.292 | 1215 | 1229 | 1243 | rBV | 151263 | 318325 | 7.01% | 2.045% |
| 8 | 5.378 | 1243 | 1256 | 1280 | rVB | 269418 | 555663 | 12.24% | 3.569% |
| 9 | 5.706 | 1342 | 1358 | 1371 | rBV | 191410 | 392560 | 8.64% | 2.521% |
| 10 | 5.780 | 1371 | 1381 | 1388 | rVV | 33720 | 72743 | 1.60% | 0.467% |
| 11 | 5.832 | 1389 | 1397 | 1423 | rVB3 | 39821 | 92920 | 2.05% | 0.597% |
| 12 | 6.253 | 1511 | 1528 | 1546 | rBV | 404856 | 757391 | 16.68% | 4.865% |
| 13 | 7.902 | 2025 | 2041 | 2056 | rVV | 621555 | 1075129 | 23.67% | 6.906% |
| 14 | 8.034 | 2072 | 2082 | 2095 | rVB | 35178 | 62836 | 1.38% | 0.404% |
| 15 | 8.796 | 2306 | 2319 | 2335 | rBV6 | 26380 | 59053 | 1.30% | 0.379% |
| 16 | 9.420 | 2499 | 2513 | 2534 | rBV | 561623 | 933954 | 20.56% | 5.999% |
| 17 | 9.693 | 2580 | 2598 | 2610 | rVV | 75866 | 133147 | 2.93% | 0.855% |
| 18 | 10.102 | 2715 | 2725 | 2744 | rBV | 51449 | 87523 | 1.93% | 0.562% |
| 19 | 10.635 | 2875 | 2891 | 2905 | rBV | 428111 | 686795 | 15.12% | 4.411% |
| 20 | 11.471 | 3115 | 3151 | 3160 | rBV2 | 35442 | 76768 | 1.69% | 0.493% |
| 21 | 11.815 | 3242 | 3258 | 3276 | rBV | 574139 | 990314 | 21.81% | 6.361% |
| 22 | 12.098 | 3338 | 3346 | 3358 | rVB | 34841 | 56704 | 1.25% | 0.364% |
| 23 | 12.954 | 3601 | 3612 | 3622 | rBV | 146820 | 242214 | 5.33% | 1.556% |
| 24 | 13.031 | 3623 | 3636 | 3665 | rVB | 23861 | 85689 | 1.89% | 0.550% |
| 25 | 13.693 | 3831 | 3842 | 3851 | rBV2 | 56711 | 97580 | 2.15% | 0.627% |
| 26 | 13.847 | 3874 | 3890 | 3902 | rBV8 | 24273 | 51464 | 1.13% | 0.331% |
| 27 | 14.285 | 4015 | 4026 | 4046 | rBV6 | 24984 | 60072 | 1.32% | 0.386% |

Sum of corrected areas: 15568680

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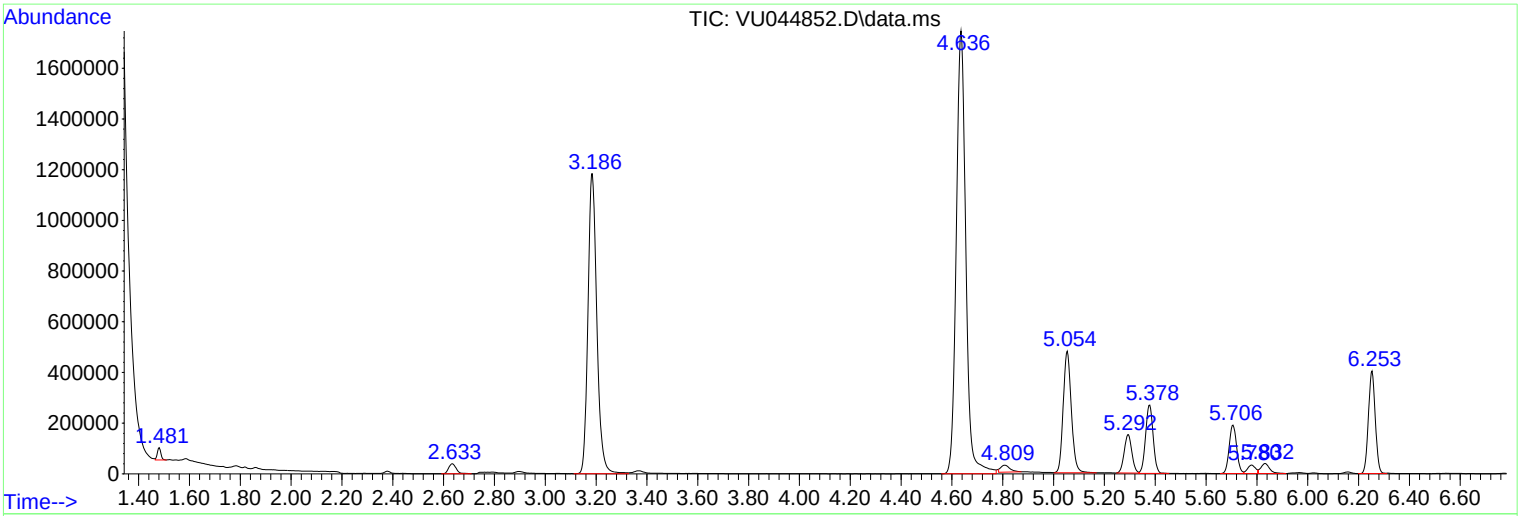
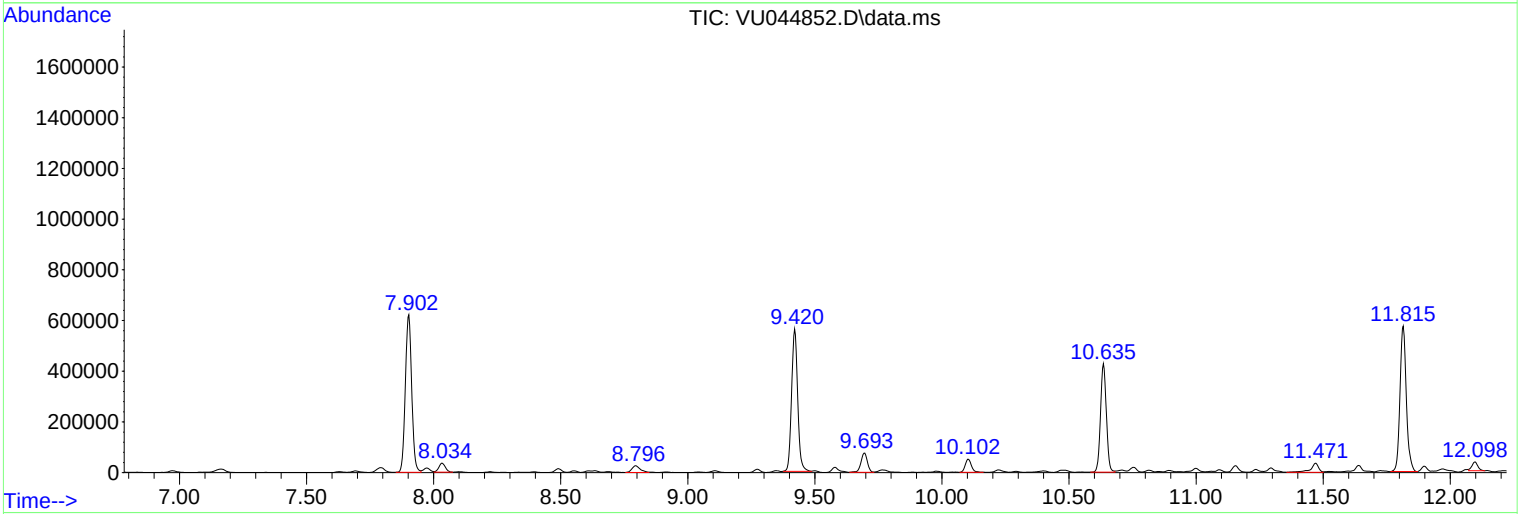
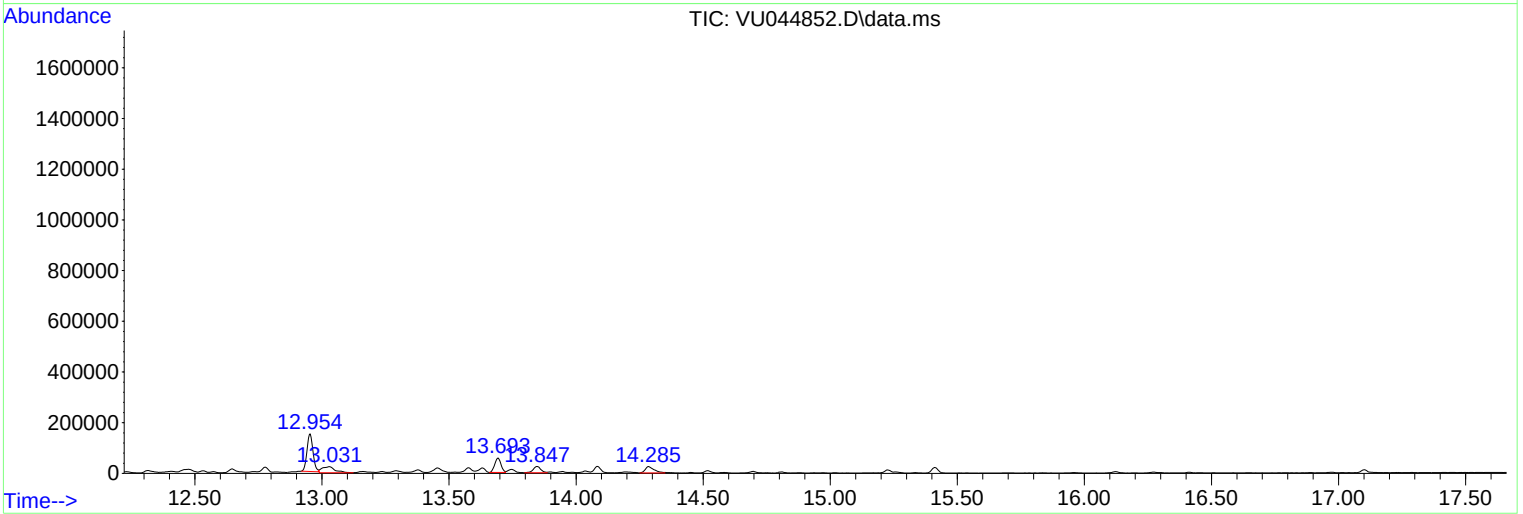
**Instrument :**
MSVOA_U
**ClientSampleId :**
210922099-02-VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092421W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



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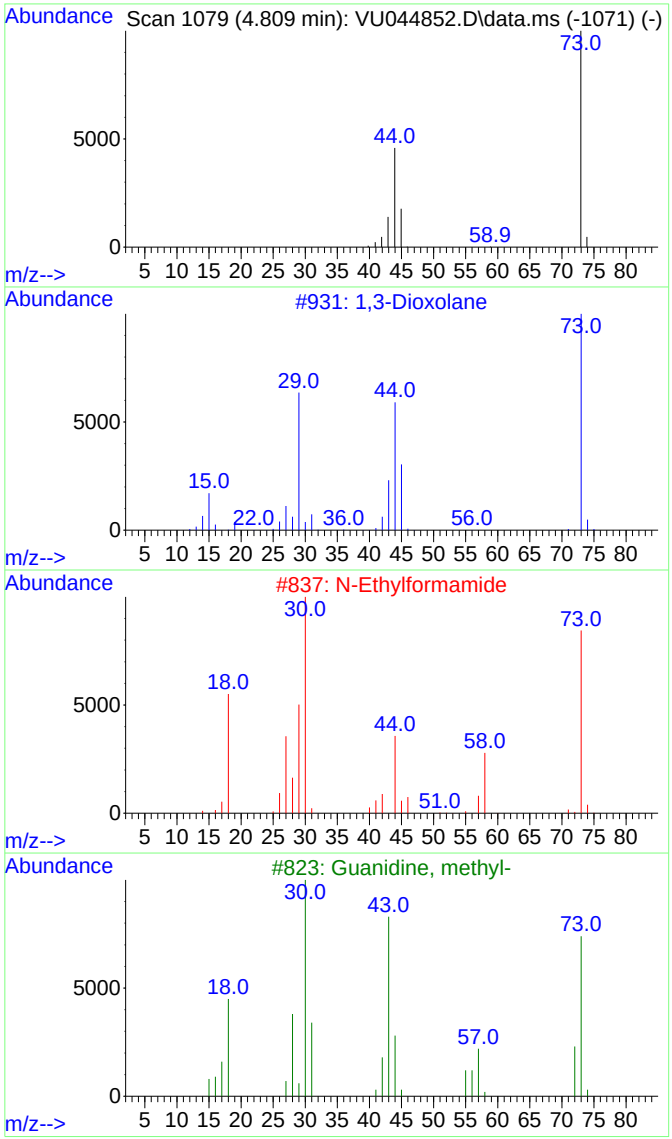
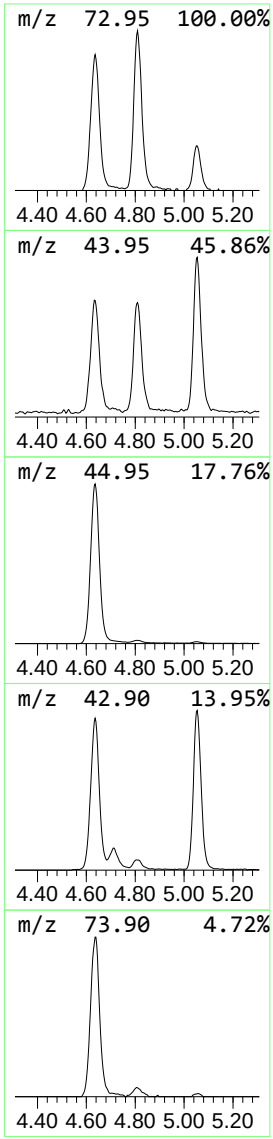
**********

Peak Number 2 1,3-Dioxolane Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.809 | 6.24 ug/l | 69338 | Pentafluorobenzene | 5.378 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,3-Dioxolane | 74 | C3H6O2 | 000646-06-0 | 90 |
| 2 | N-Ethylformamide | 73 | C3H7NO | 000627-45-2 | 5 |
| 3 | Guanidine, methyl- | 73 | C2H7N3 | 000471-29-4 | 5 |
| 4 | Formamide, N,N-dimethyl- | 73 | C3H7NO | 000068-12-2 | 4 |
| 5 | Ethylene oxide | 44 | C2H4O | 000075-21-8 | 4 |



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Data File : VU044852.D
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Sample : M3895-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
210922099-02-VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092421W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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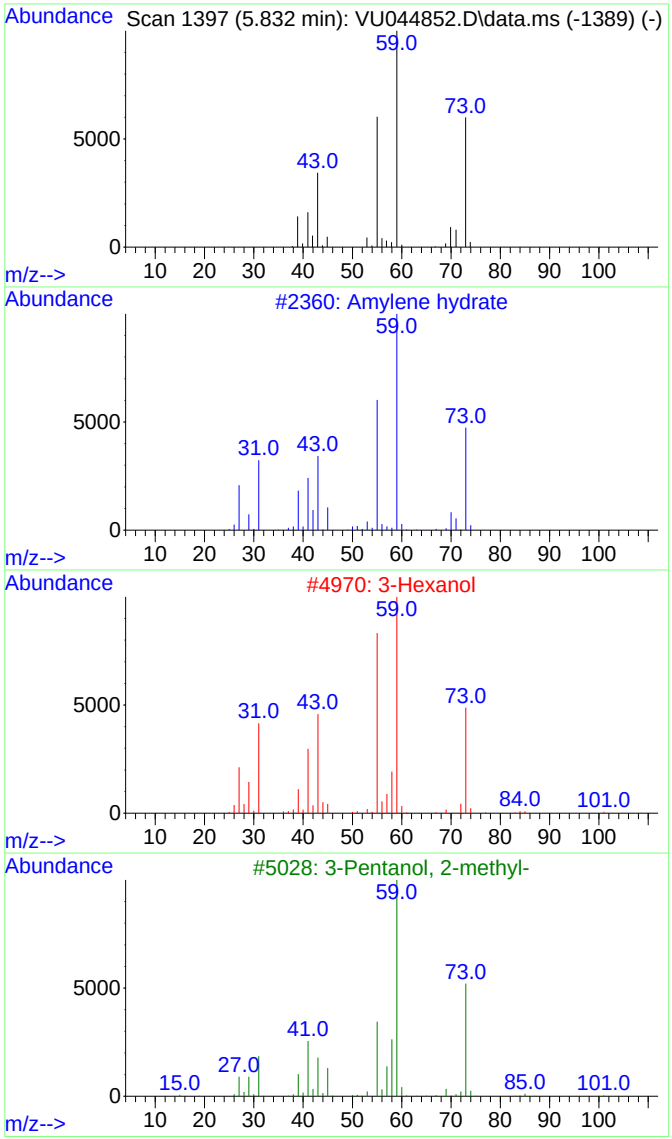
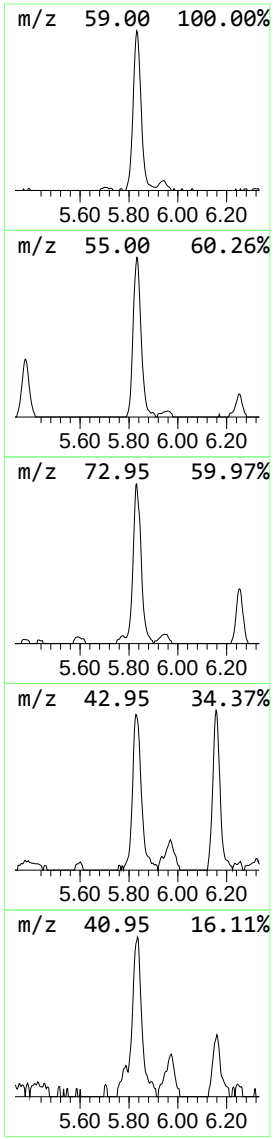
Peak Number 3 Amylene hydrate Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.832 | 6.13 ug/l | 92920 | 1,4-Difluorobenzene | 6.253 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Amylene hydrate | 88 | C5H12O | 000075-85-4 | 83 |
| 2 | 3-Hexanol | 102 | C6H14O | 000623-37-0 | 43 |
| 3 | 3-Pentanol, 2-methyl- | 102 | C6H14O | 000565-67-3 | 9 |
| 4 | 1-Hepten-4-ol | 114 | C7H14O | 003521-91-3 | 9 |
| 5 | 1-Butanol, 3-methyl-, formate | 116 | C6H12O2 | 000110-45-2 | 9 |



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Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
210922099-02-VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092421W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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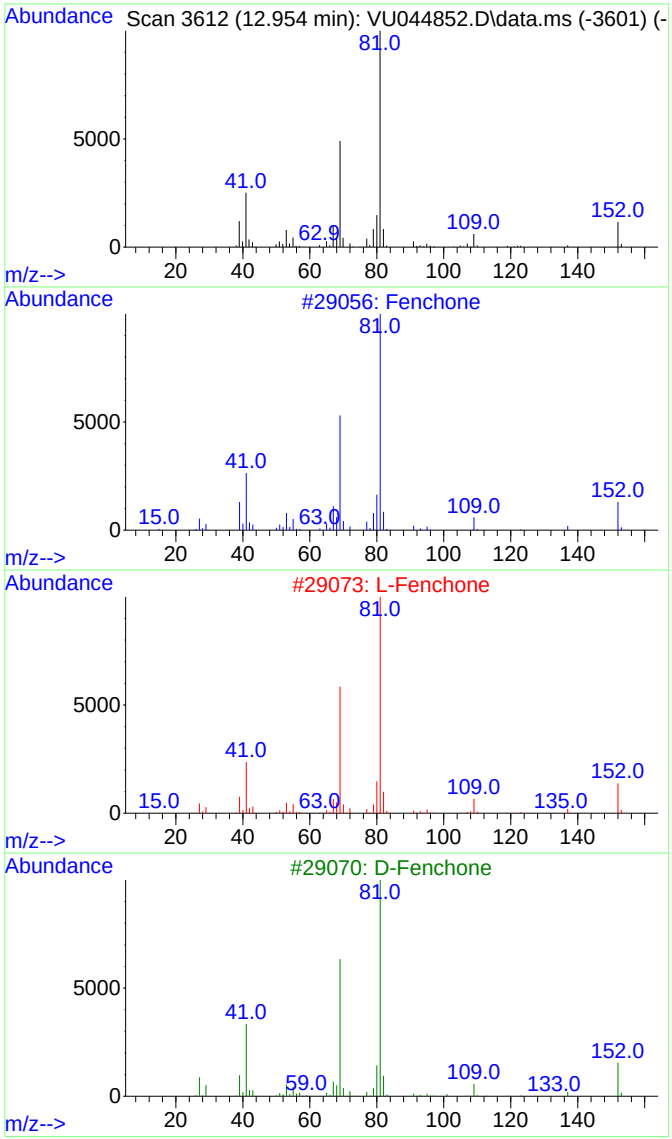
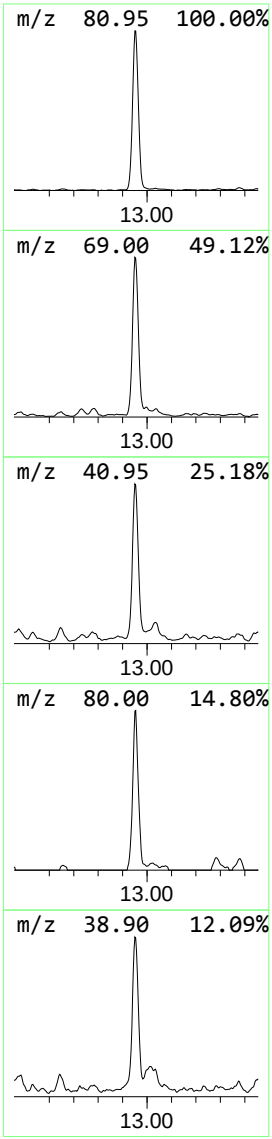
Peak Number 4 Fenchone Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.954 | 12.23 ug/l | 242214 | 1,4-Dichlorobenzene-d4 | 11.815 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Fenchone | 152 | C10H16O | 001195-79-5 | 94 |
| 2 | L-Fenchone | 152 | C10H16O | 007787-20-4 | 91 |
| 3 | D-Fenchone | 152 | C10H16O | 004695-62-9 | 91 |
| 4 | 2-Cyclopentene-1-carboxylic acid... | 140 | C8H12O2 | 068317-73-7 | 53 |
| 5 | Cyclohexanone, 5-methyl-2-(1-met... | 152 | C10H16O | 015932-80-6 | 45 |



Tentatively Identified Compound (LSC) summary

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Quant Title : SW846 8260

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TIC Integration Parameters: LSCINT.P

| | | | | | --Internal Standard--- | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| 1,3-Dioxolane | 4.809 | 6.2 | ug/l | 69338 | 1 | 5.378 | 555663 | 50.0 |
| Amylene hydrate | 5.832 | 6.1 | ug/l | 92920 | 2 | 6.253 | 757391 | 50.0 |
| Fenchone | 12.954 | 12.2 | ug/l | 242214 | 4 | 11.815 | 990314 | 50.0 |