LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021619\
Data File : VU029515.D
Acq On : 15 Feb 2019 22:53
Operator : JC/SP
Sample : K1489-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** ESXG2

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\SOMUTR021219WMA.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 | 1.183 | 22 | 29 | 45 | rBV | 1118142 | 1028596 | 100.00% | 13.191% |
| 2 | 1.302 | 57 | 66 | 76 | rBV | 368253 | 391136 | 38.03% | 5.016% |
| 3 | 1.399 | 88 | 96 | 105 | rBV2 | 257445 | 307397 | 29.89% | 3.942% |
| 4 | 1.682 | 177 | 184 | 196 | rVB | 78642 | 99016 | 9.63% | 1.270% |
| 5 | 1.756 | 201 | 207 | 222 | rVB | 76601 | 108942 | 10.59% | 1.397% |
| 6 | 2.093 | 307 | 312 | 321 | rVB3 | 14495 | 19808 | 1.93% | 0.254% |
| 7 | 2.273 | 358 | 368 | 380 | rBV | 179254 | 275426 | 26.78% | 3.532% |
| 8 | 2.447 | 415 | 422 | 440 | rVB | 27427 | 52034 | 5.06% | 0.667% |
| 9 | 2.987 | 581 | 590 | 605 | rVB7 | 18876 | 48979 | 4.76% | 0.628% |
| 10 | 4.219 | 950 | 973 | 1006 | rBV3 | 181965 | 606119 | 58.93% | 7.773% |
| 11 | 4.646 | 1087 | 1106 | 1127 | rBV2 | 98859 | 239565 | 23.29% | 3.072% |
| 12 | 5.338 | 1299 | 1321 | 1354 | rBV2 | 213903 | 587461 | 57.11% | 7.534% |
| 13 | 5.884 | 1477 | 1491 | 1518 | rBV | 215098 | 419590 | 40.79% | 5.381% |
| 14 | 6.183 | 1574 | 1584 | 1599 | rVB3 | 12661 | 22644 | 2.20% | 0.290% |
| 15 | 6.328 | 1614 | 1629 | 1648 | rBV | 134793 | 270926 | 26.34% | 3.474% |
| 16 | 7.228 | 1897 | 1909 | 1928 | rBV | 73902 | 134601 | 13.09% | 1.726% |
| 17 | 7.395 | 1951 | 1961 | 1974 | rVB3 | 10586 | 19543 | 1.90% | 0.251% |
| 18 | 7.563 | 2000 | 2013 | 2031 | rBV | 313721 | 545765 | 53.06% | 6.999% |
| 19 | 7.849 | 2089 | 2102 | 2120 | rBV | 44640 | 80678 | 7.84% | 1.035% |
| 20 | 8.312 | 2235 | 2246 | 2276 | rBV | 373332 | 668451 | 64.99% | 8.572% |
| 21 | 9.087 | 2473 | 2487 | 2513 | rBV | 316958 | 535460 | 52.06% | 6.867% |
| 22 | 10.431 | 2892 | 2905 | 2918 | rBV | 117712 | 190558 | 18.53% | 2.444% |
| 23 | 10.604 | 2950 | 2959 | 2974 | rVB2 | 10525 | 18640 | 1.81% | 0.239% |
| 24 | 11.482 | 3219 | 3232 | 3258 | rBV | 343264 | 561298 | 54.57% | 7.198% |
| 25 | 11.755 | 3306 | 3317 | 3336 | rBV7 | 8645 | 20672 | 2.01% | 0.265% |
| 26 | 11.858 | 3336 | 3349 | 3372 | rBV | 328990 | 544518 | 52.94% | 6.983% |

Sum of corrected areas: 7797823

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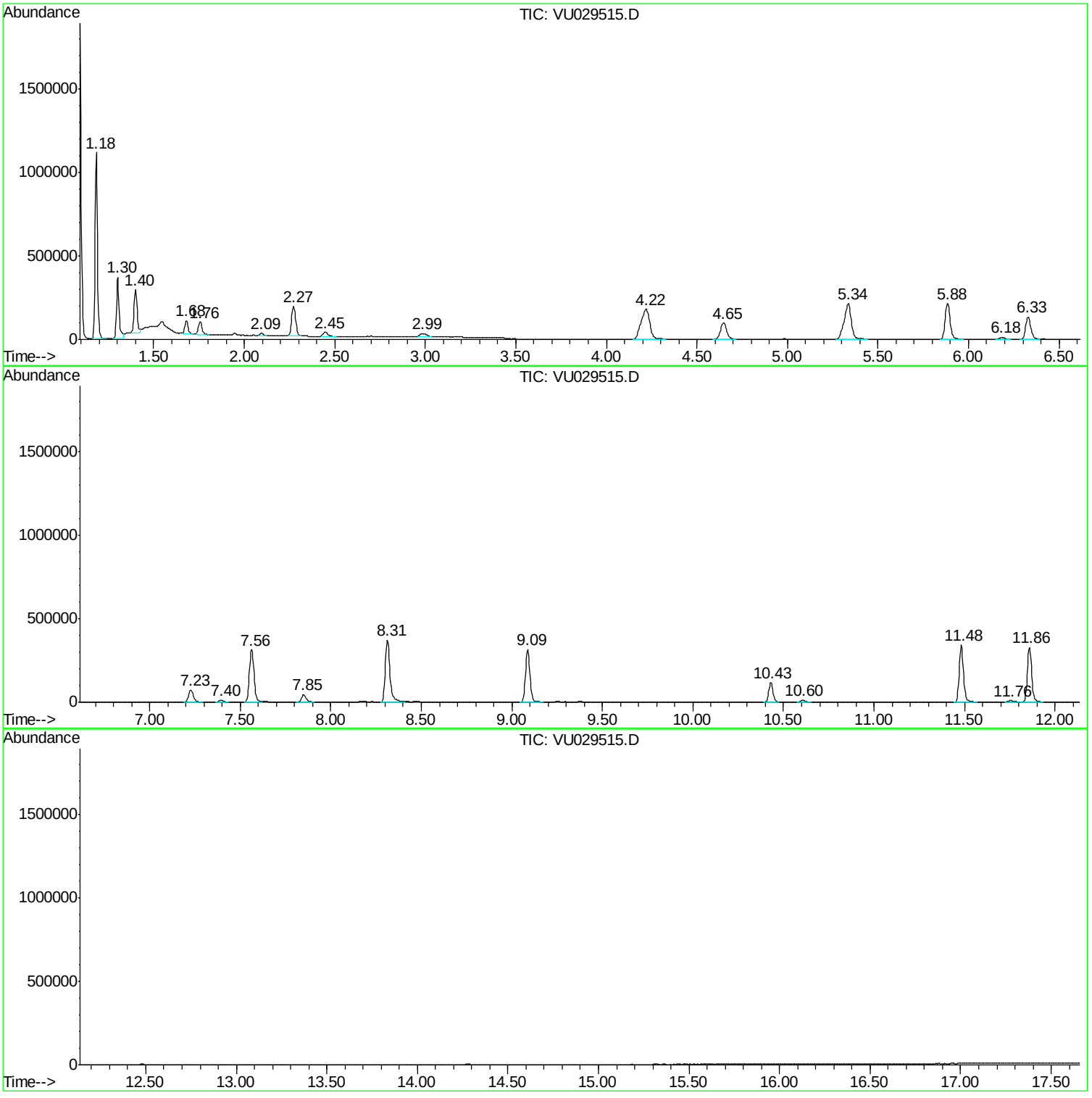
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
ESXG2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.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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Acq On : 15 Feb 2019 22:53
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Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** ESXG2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0

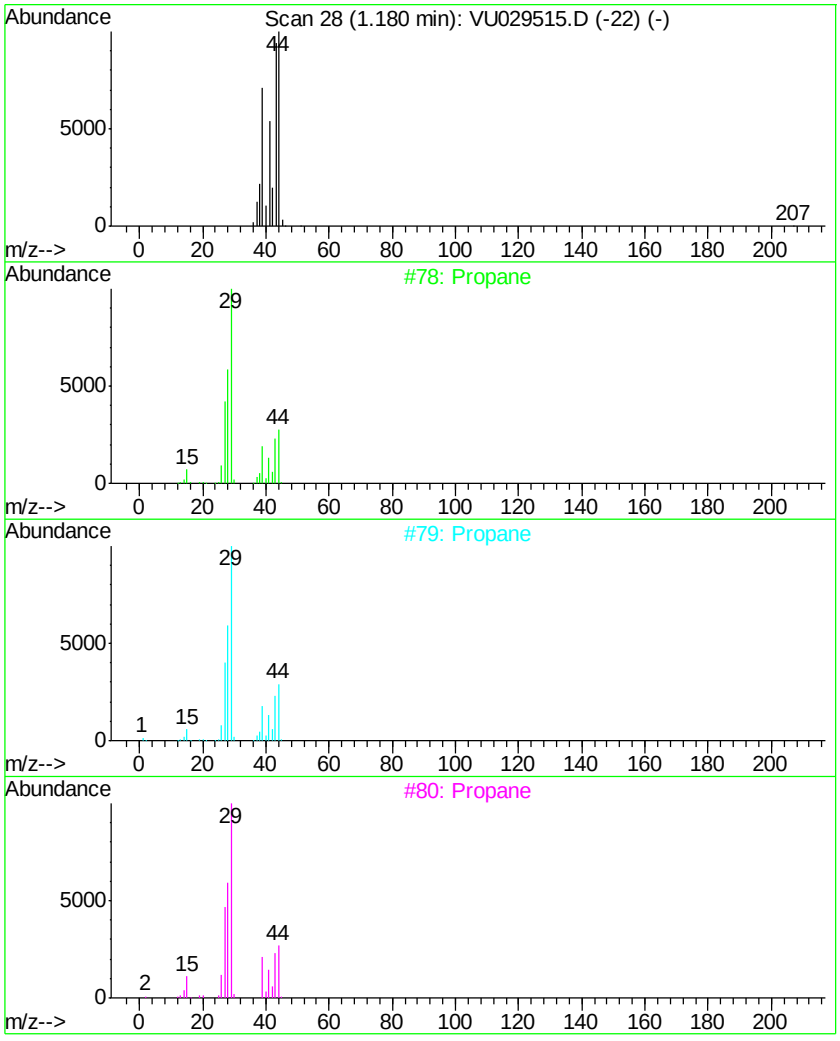
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

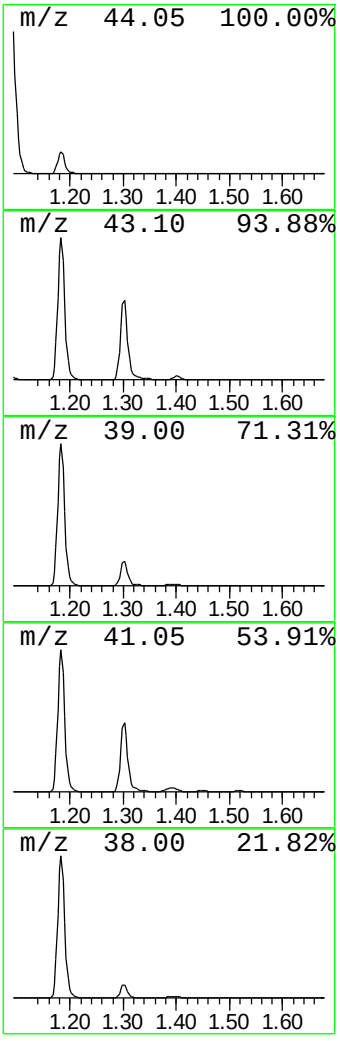
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.18 | 12.26 ug/L | 1028600 | 1,4-Difluorobenzene | 5.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propane | 44 | C3H8 | 000074-98-6 | 90 |
| 2 | Propane | 44 | C3H8 | 000074-98-6 | 83 |
| 3 | Propane | 44 | C3H8 | 000074-98-6 | 9 |
| 4 | Propene | 42 | C3H6 | 000115-07-1 | 9 |
| 5 | Acetaldehyde | 44 | C2H4O | 000075-07-0 | 5 |



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Data File : VU029515.D
Acq On : 15 Feb 2019 22:53
Operator : JC/SP
Sample : K1489-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** ESXG2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0

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

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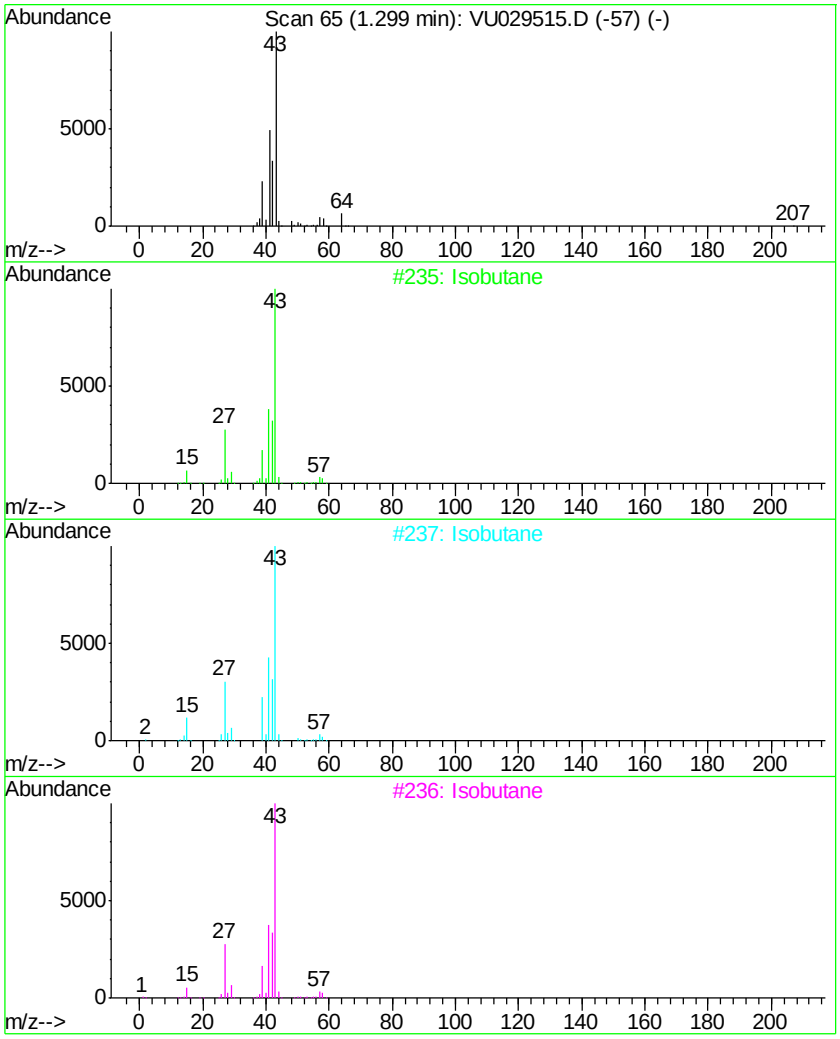
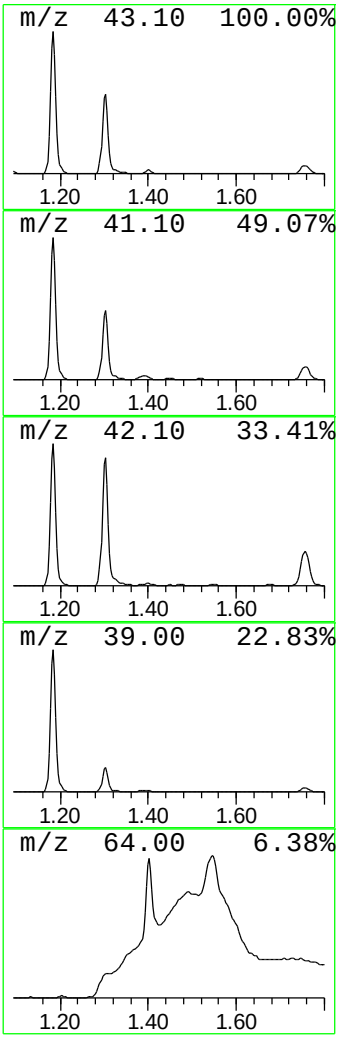
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.30 | 4.66 ug/L | 391136 | 1,4-Difluorobenzene | 5.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Isobutane | 58 | C4H10 | 000075-28-5 | 59 |
| 2 | Isobutane | 58 | C4H10 | 000075-28-5 | 59 |
| 3 | Isobutane | 58 | C4H10 | 000075-28-5 | 53 |
| 4 | Isobutane | 58 | C4H10 | 000075-28-5 | 53 |
| 5 | Isopropylsulfonyl chloride | 142 | C3H7ClO2S | 010147-37-2 | 9 |



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Data File : VU029515.D
Acq On : 15 Feb 2019 22:53
Operator : JC/SP
Sample : K1489-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** ESXG2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0

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

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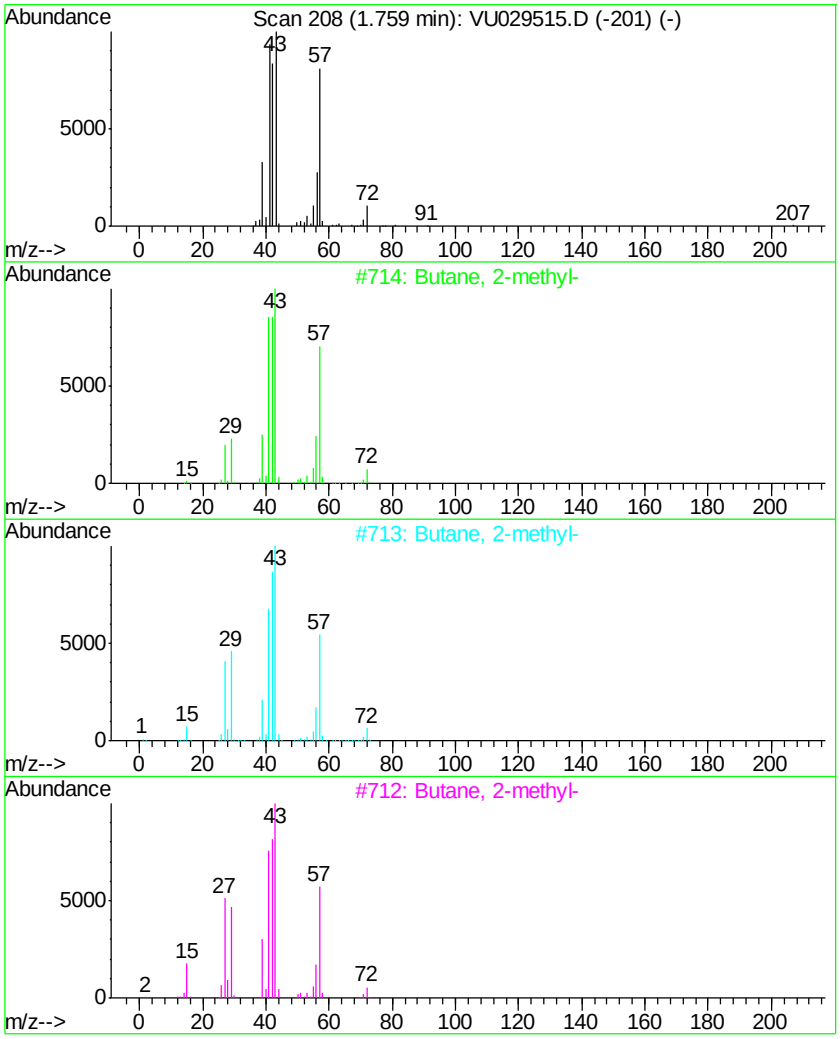
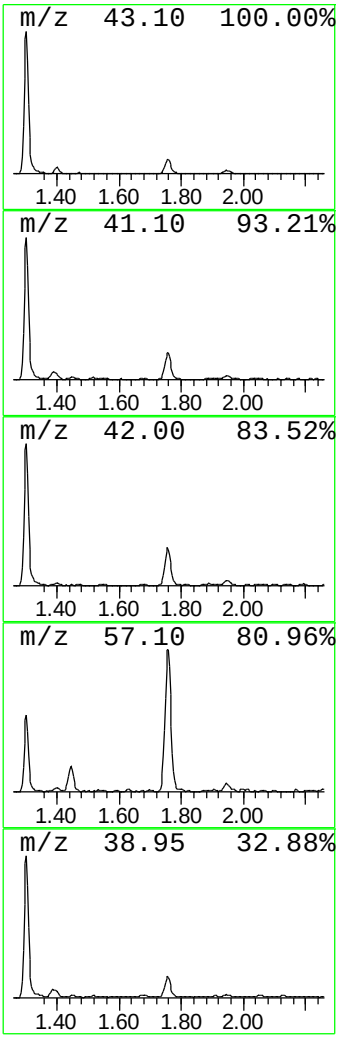
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.76 | 1.30 ug/L | 108942 | 1,4-Difluorobenzene | 5.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methyl- | 72 | C5H12 | 000078-78-4 | 91 |
| 2 | Butane, 2-methyl- | 72 | C5H12 | 000078-78-4 | 86 |
| 3 | Butane, 2-methyl- | 72 | C5H12 | 000078-78-4 | 80 |
| 4 | Pentane | 72 | C5H12 | 000109-66-0 | 33 |
| 5 | Butane, 2-chloro-3-methyl- | 106 | C5H11Cl | 000631-65-2 | 25 |



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Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** ESXG2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0

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

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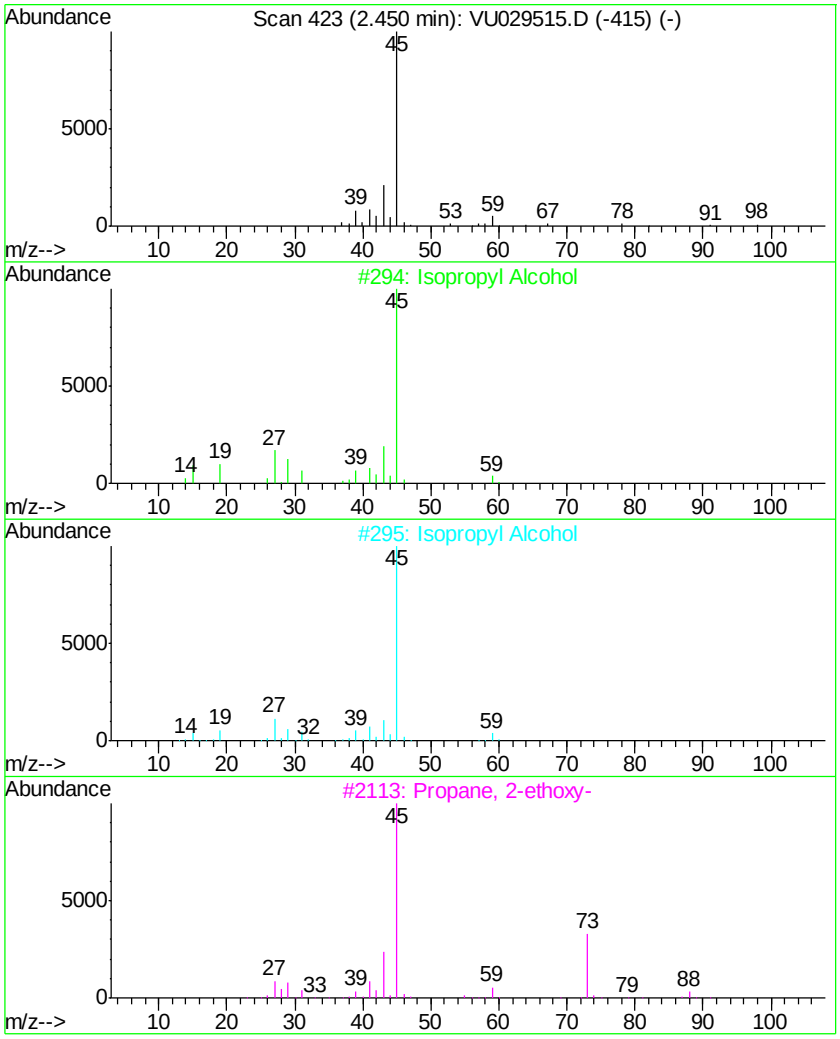
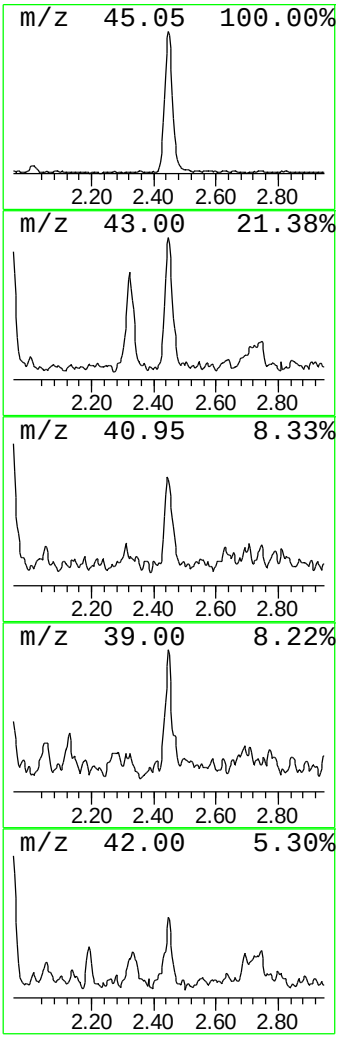
Peak Number 4 Isopropyl Alcohol Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.45 | 0.62 ug/L | 52034 | 1,4-Difluorobenzene | 5.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Isopropyl Alcohol | 60 | C3H8O | 000067-63-0 | 72 |
| 2 | Isopropyl Alcohol | 60 | C3H8O | 000067-63-0 | 72 |
| 3 | Propane, 2-ethoxy- | 88 | C5H12O | 000625-54-7 | 56 |
| 4 | Propane, 2-ethoxy- | 88 | C5H12O | 000625-54-7 | 56 |
| 5 | Isopropyl Alcohol | 60 | C3H8O | 000067-63-0 | 56 |



Tentatively Identified Compound (LSC) summary

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ALS Vial : 18 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... | 1.18 | 12.3 | ug/L | 1028600 | 1 | 5.88 | 419590 | 5.0 |
| (DEL) Alkane: Str... | 1.30 | 4.7 | ug/L | 391136 | 1 | 5.88 | 419590 | 5.0 |
| (DEL) Alkane: Str... | 1.76 | 1.3 | ug/L | 108942 | 1 | 5.88 | 419590 | 5.0 |
| Isopropyl Alcohol | 2.45 | 0.6 | ug/L | 52034 | 1 | 5.88 | 419590 | 5.0 |