LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102622\
Data File : VU051504.D
Acq On : 26 Oct 2022 16:01
Operator : JC/MD
Sample : N5270-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BHA81

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\SFAMUTR100722WMA.M
Title : TRACE VOA SFAM1.0

Signal : TIC: VU051504.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.597 | 70 | 80 | 86 | rBV | 149459 | 199778 | 6.19% | 1.068% |
| 2 | 1.909 | 170 | 177 | 196 | rVB | 111055 | 165401 | 5.12% | 0.884% |
| 3 | 2.376 | 311 | 322 | 343 | rVB | 815144 | 1209440 | 37.47% | 6.463% |
| 4 | 2.562 | 368 | 380 | 394 | rBV | 193125 | 315882 | 9.79% | 1.688% |
| 5 | 3.076 | 521 | 540 | 555 | rBV4 | 16499 | 41934 | 1.30% | 0.224% |
| 6 | 3.356 | 612 | 627 | 645 | rBV2 | 51055 | 120329 | 3.73% | 0.643% |
| 7 | 3.697 | 721 | 733 | 756 | rVB2 | 29015 | 66433 | 2.06% | 0.355% |
| 8 | 3.874 | 756 | 788 | 791 | rBV | 17318 | 63200 | 1.96% | 0.338% |
| 9 | 3.990 | 806 | 824 | 854 | rBV | 1267687 | 3227624 | 100.00% | 17.249% |
| 10 | 4.530 | 973 | 992 | 1009 | rBV2 | 67258 | 166886 | 5.17% | 0.892% |
| 11 | 4.620 | 1009 | 1020 | 1055 | rVV | 176603 | 435678 | 13.50% | 2.328% |
| 12 | 5.057 | 1141 | 1156 | 1179 | rBV3 | 319647 | 779276 | 24.14% | 4.165% |
| 13 | 5.723 | 1343 | 1363 | 1368 | rBV2 | 373778 | 869565 | 26.94% | 4.647% |
| 14 | 5.771 | 1369 | 1378 | 1411 | rVB | 1536623 | 3207664 | 99.38% | 17.142% |
| 15 | 6.247 | 1512 | 1526 | 1557 | rBV | 325716 | 638411 | 19.78% | 3.412% |
| 16 | 6.690 | 1650 | 1664 | 1678 | rBV | 230661 | 453545 | 14.05% | 2.424% |
| 17 | 6.758 | 1678 | 1685 | 1696 | rVB4 | 17042 | 32485 | 1.01% | 0.174% |
| 18 | 7.565 | 1922 | 1936 | 1950 | rBV2 | 93846 | 168116 | 5.21% | 0.898% |
| 19 | 7.896 | 2020 | 2039 | 2055 | rBV | 404034 | 709235 | 21.97% | 3.790% |
| 20 | 8.179 | 2115 | 2127 | 2144 | rBV2 | 56981 | 99213 | 3.07% | 0.530% |
| 21 | 8.633 | 2256 | 2268 | 2299 | rBV2 | 520749 | 1003759 | 31.10% | 5.364% |
| 22 | 9.417 | 2496 | 2512 | 2517 | rBV | 473175 | 827176 | 25.63% | 4.420% |
| 23 | 9.568 | 2549 | 2559 | 2576 | rVB | 34603 | 59649 | 1.85% | 0.319% |
| 24 | 9.694 | 2582 | 2598 | 2612 | rBV | 116469 | 201285 | 6.24% | 1.076% |
| 25 | 10.102 | 2710 | 2725 | 2737 | rBV2 | 27406 | 48837 | 1.51% | 0.261% |
| 26 | 10.485 | 2831 | 2844 | 2860 | rBV | 844561 | 1342768 | 41.60% | 7.176% |
| 27 | 10.755 | 2911 | 2928 | 2954 | rVB | 194080 | 335460 | 10.39% | 1.793% |
| 28 | 10.899 | 2960 | 2973 | 2990 | rBV4 | 48236 | 104837 | 3.25% | 0.560% |
| 29 | 11.292 | 3086 | 3095 | 3116 | rVB2 | 42323 | 71502 | 2.22% | 0.382% |
| 30 | 11.468 | 3142 | 3150 | 3163 | rVB3 | 20832 | 34096 | 1.06% | 0.182% |
| 31 | 11.812 | 3243 | 3257 | 3273 | rBV | 449796 | 807552 | 25.02% | 4.316% |
| 32 | 11.890 | 3273 | 3281 | 3295 | rVB6 | 32013 | 57144 | 1.77% | 0.305% |
| 33 | 12.095 | 3338 | 3345 | 3359 | rVV2 | 46531 | 78332 | 2.43% | 0.419% |
| 34 | 12.192 | 3363 | 3375 | 3396 | rVV2 | 392929 | 737368 | 22.85% | 3.941% |
| 35 | 12.861 | 3576 | 3583 | 3597 | rVB3 | 19325 | 32438 | 1.01% | 0.173% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102622\
Data File : VU051504.D
Acq On : 26 Oct 2022 16:01
Operator : JC/MD
Sample : N5270-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BHA81

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\SFAMUTR100722WMA.M
Title : TRACE VOA SFAM1.0

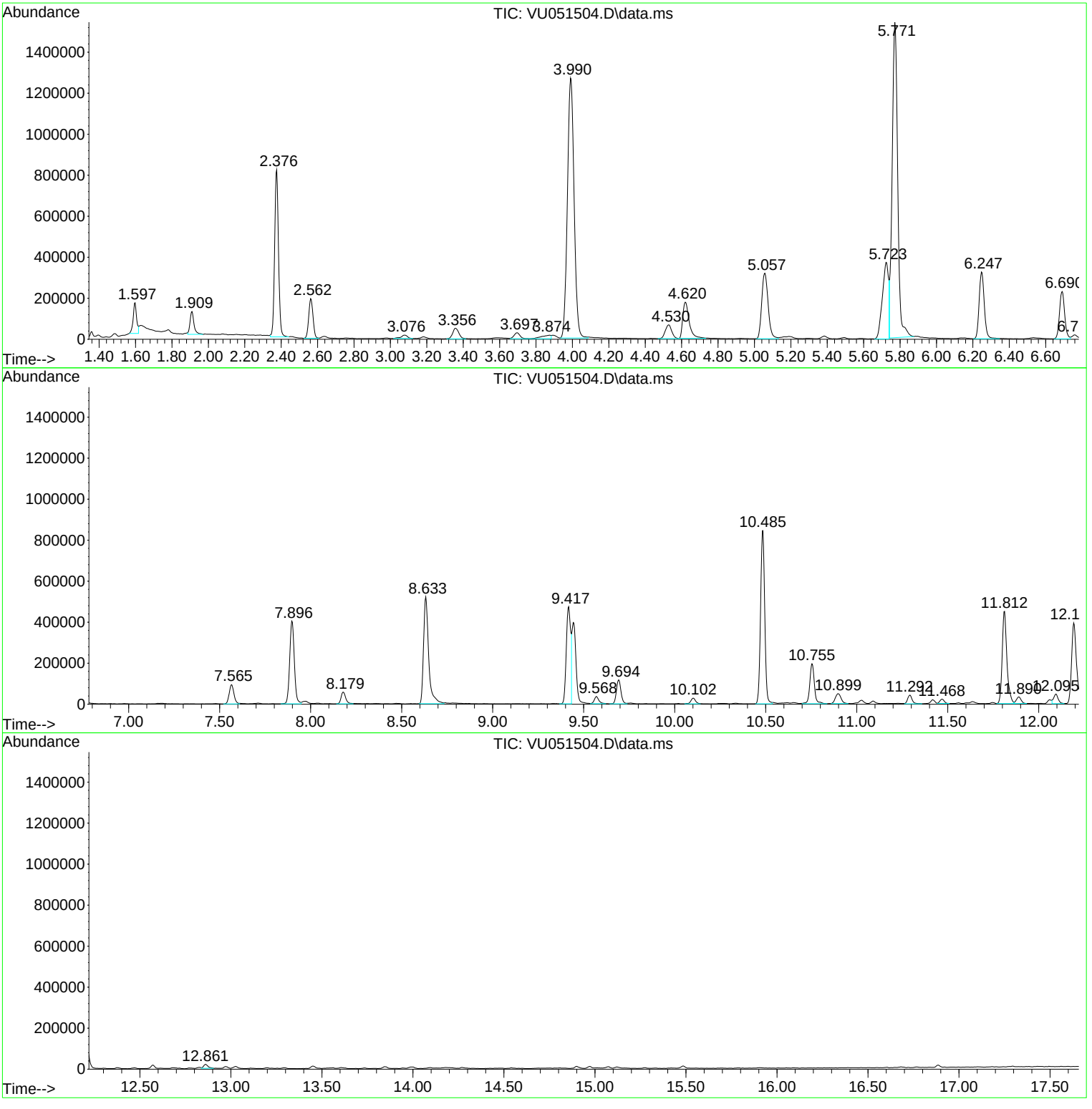
Sum of corrected areas: 18712298

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102622\
Data File : VU051504.D
Acq On : 26 Oct 2022 16:01
Operator : JC/MD
Sample : N5270-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BHA81

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100722WMA.M
Quant Title : TRACE VOA SFAM1.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102622\
Data File : VU051504.D
Acq On : 26 Oct 2022 16:01
Operator : JC/MD
Sample : N5270-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BHA81

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100722WMA.M
Quant Title : TRACE VOA SFAM1.0

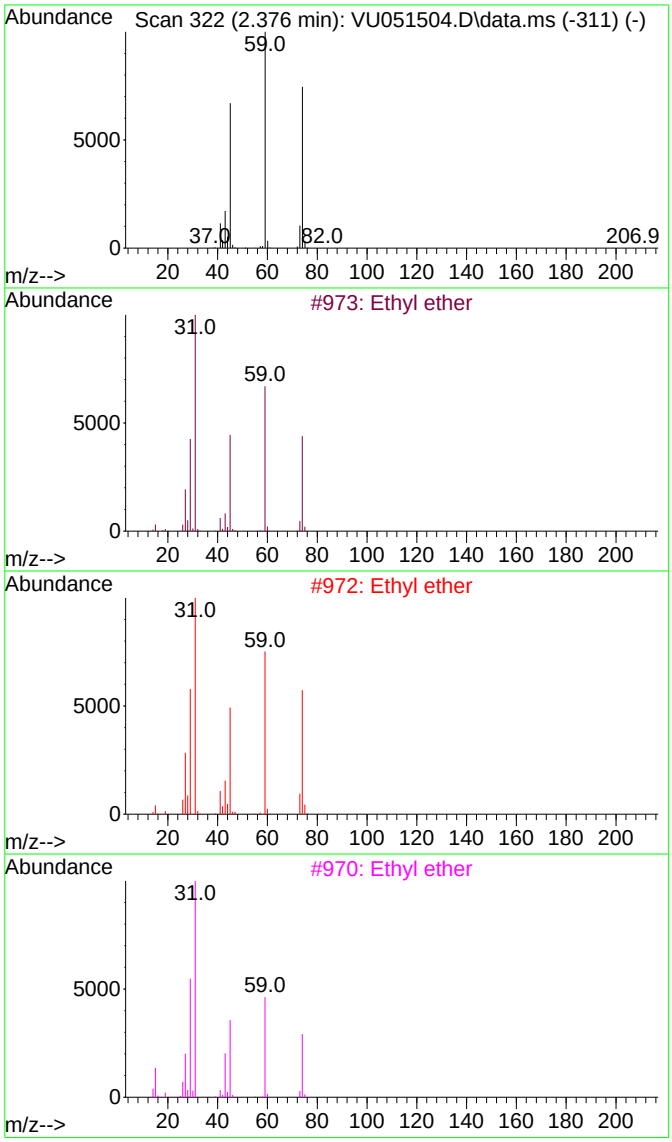
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

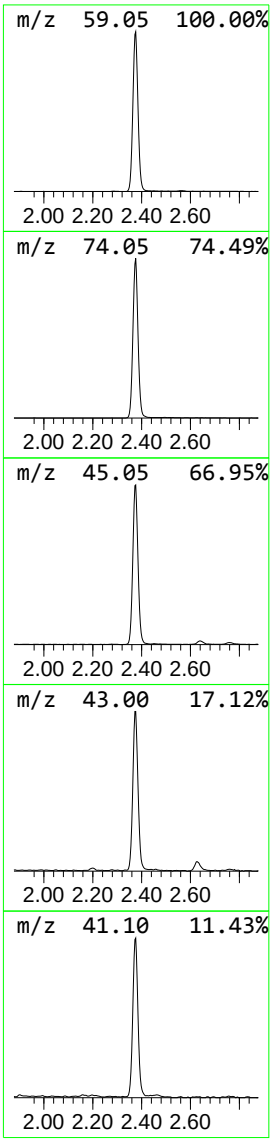
**********

Peak Number 1 Ethyl ether Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.376 | 9.47 ug/L | 1209440 | 1,4-Difluorobenzene | 6.250 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethyl ether | 74 | C4H10O | 000060-29-7 | 91 |
| 2 | Ethyl ether | 74 | C4H10O | 000060-29-7 | 90 |
| 3 | Ethyl ether | 74 | C4H10O | 000060-29-7 | 83 |
| 4 | Ethyl ether | 74 | C4H10O | 000060-29-7 | 72 |
| 5 | Ethane, 1,2-diethoxy- | 118 | C6H14O2 | 000629-14-1 | 56 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102622\
Data File : VU051504.D
Acq On : 26 Oct 2022 16:01
Operator : JC/MD
Sample : N5270-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BHA81

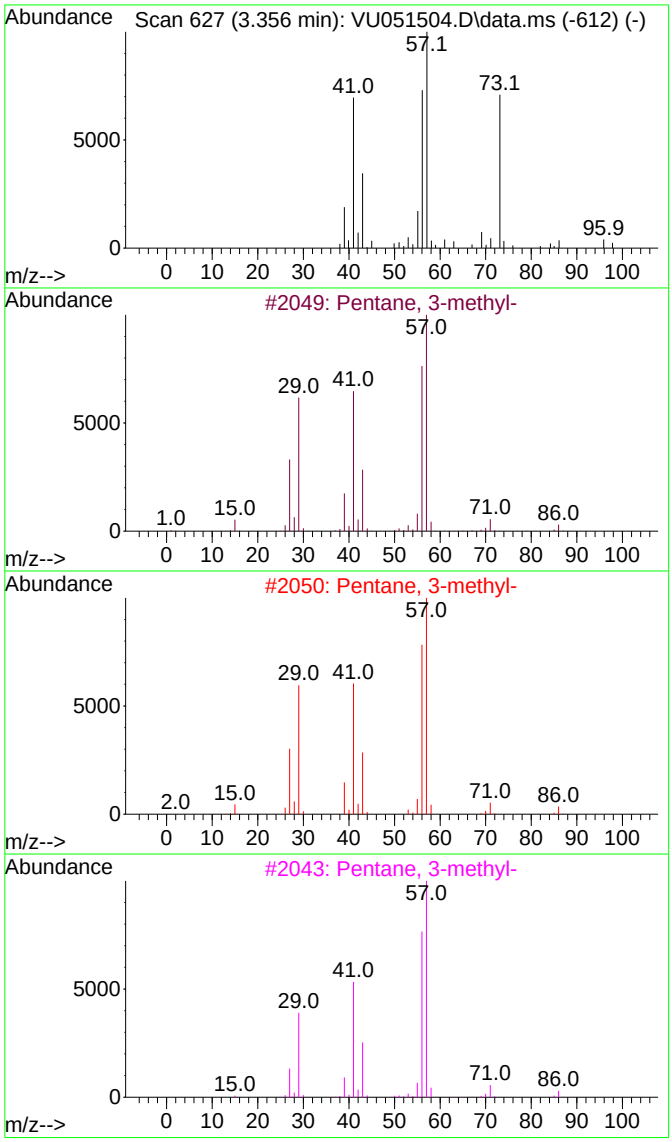
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100722WMA.M
Quant Title : TRACE VOA SFAM1.0

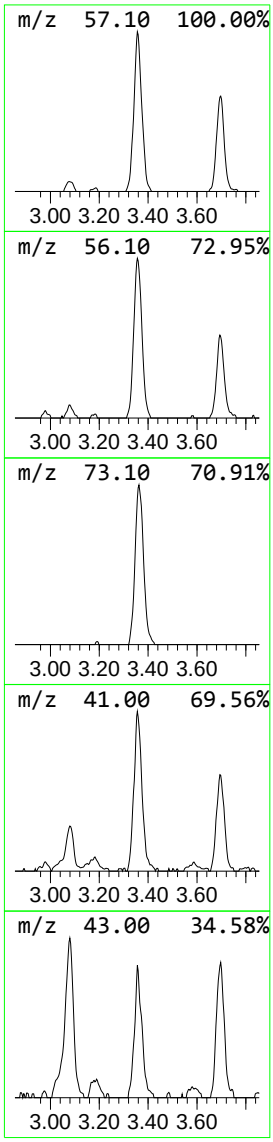
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.356 | 0.94 ug/L | 120329 | 1,4-Difluorobenzene | 6.250 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane, 3-methyl- | 86 | C6H14 | 000096-14-0 | 58 |
| 2 | Pentane, 3-methyl- | 86 | C6H14 | 000096-14-0 | 58 |
| 3 | Pentane, 3-methyl- | 86 | C6H14 | 000096-14-0 | 50 |
| 4 | 1-Hexene, 4-methyl- | 98 | C7H14 | 003769-23-1 | 47 |
| 5 | Borinic acid, diethyl- | 86 | C4H11BO | 004426-31-7 | 38 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102622\
Data File : VU051504.D
Acq On : 26 Oct 2022 16:01
Operator : JC/MD
Sample : N5270-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BHA81

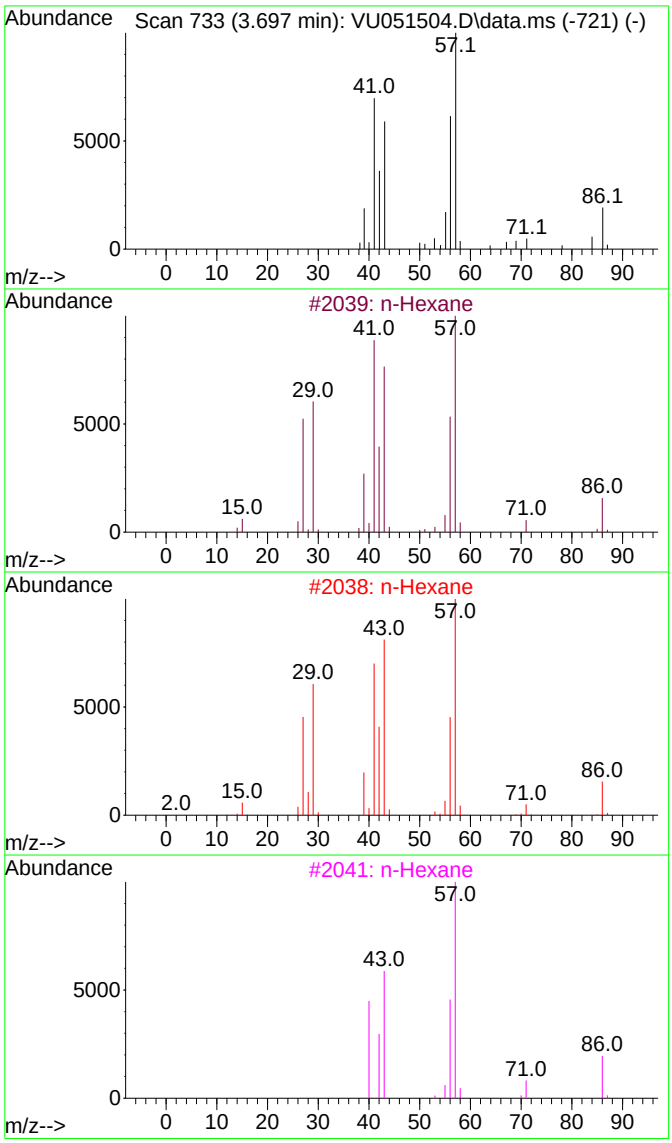
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100722WMA.M
Quant Title : TRACE VOA SFAM1.0

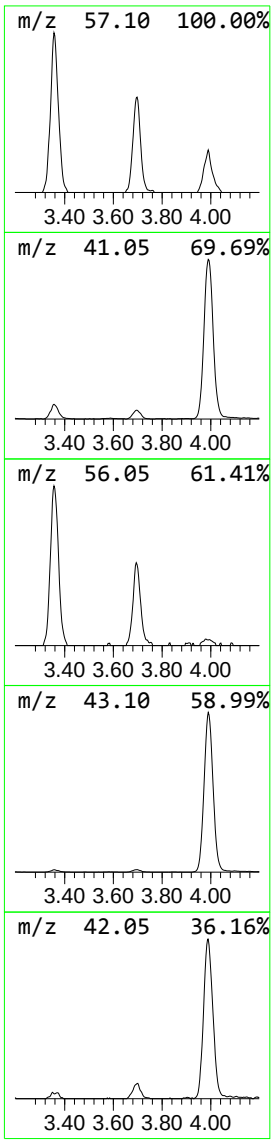
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.697 | 0.52 ug/L | 66433 | 1,4-Difluorobenzene | 6.250 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexane | 86 | C6H14 | 000110-54-3 | 64 |
| 2 | n-Hexane | 86 | C6H14 | 000110-54-3 | 64 |
| 3 | n-Hexane | 86 | C6H14 | 000110-54-3 | 50 |
| 4 | n-Hexane | 86 | C6H14 | 000110-54-3 | 50 |
| 5 | 2-Ethyl-oxetane | 86 | C5H10O | 1010386-40-2 | 50 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102622\
Data File : VU051504.D
Acq On : 26 Oct 2022 16:01
Operator : JC/MD
Sample : N5270-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BHA81

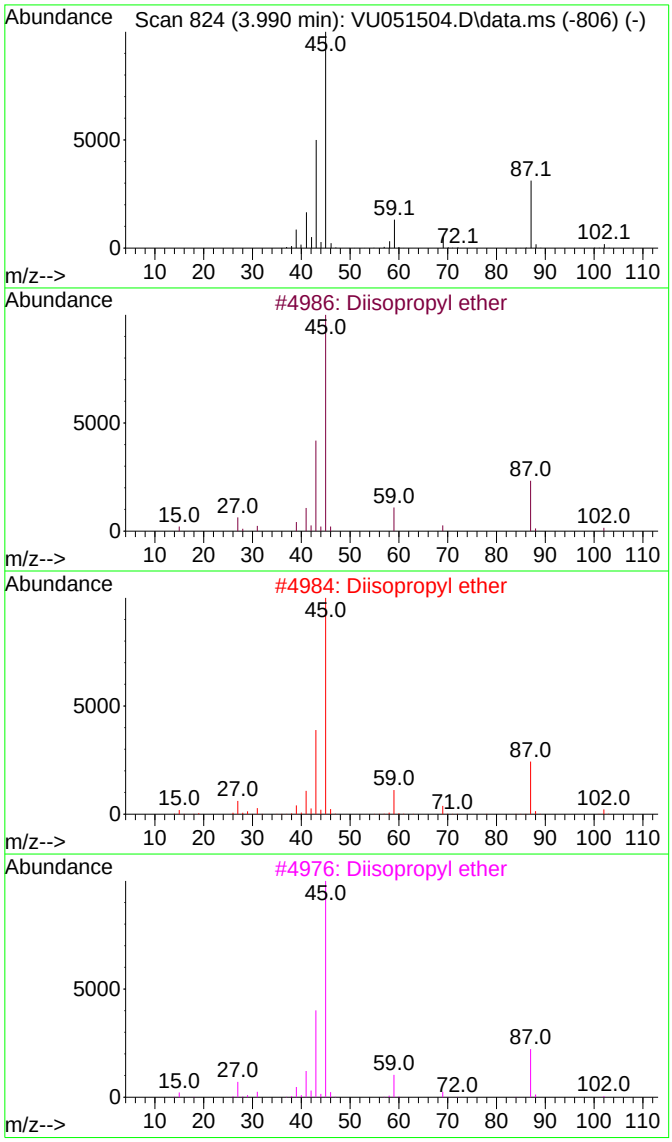
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100722WMA.M
Quant Title : TRACE VOA SFAM1.0

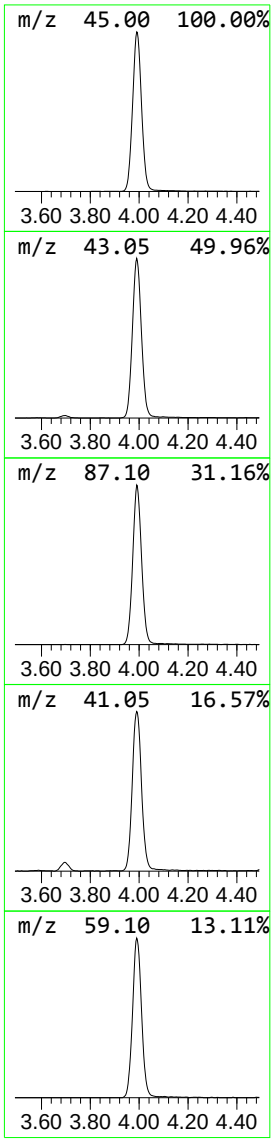
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 Diisopropyl ether Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.990 | 25.28 ug/L | 3227620 | 1,4-Difluorobenzene | 6.250 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Diisopropyl ether | 102 | C6H14O | 000108-20-3 | 91 |
| 2 | Diisopropyl ether | 102 | C6H14O | 000108-20-3 | 86 |
| 3 | Diisopropyl ether | 102 | C6H14O | 000108-20-3 | 83 |
| 4 | Diisopropyl ether | 102 | C6H14O | 000108-20-3 | 83 |
| 5 | Diisopropyl ether | 102 | C6H14O | 000108-20-3 | 80 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102622\
Data File : VU051504.D
Acq On : 26 Oct 2022 16:01
Operator : JC/MD
Sample : N5270-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BHA81

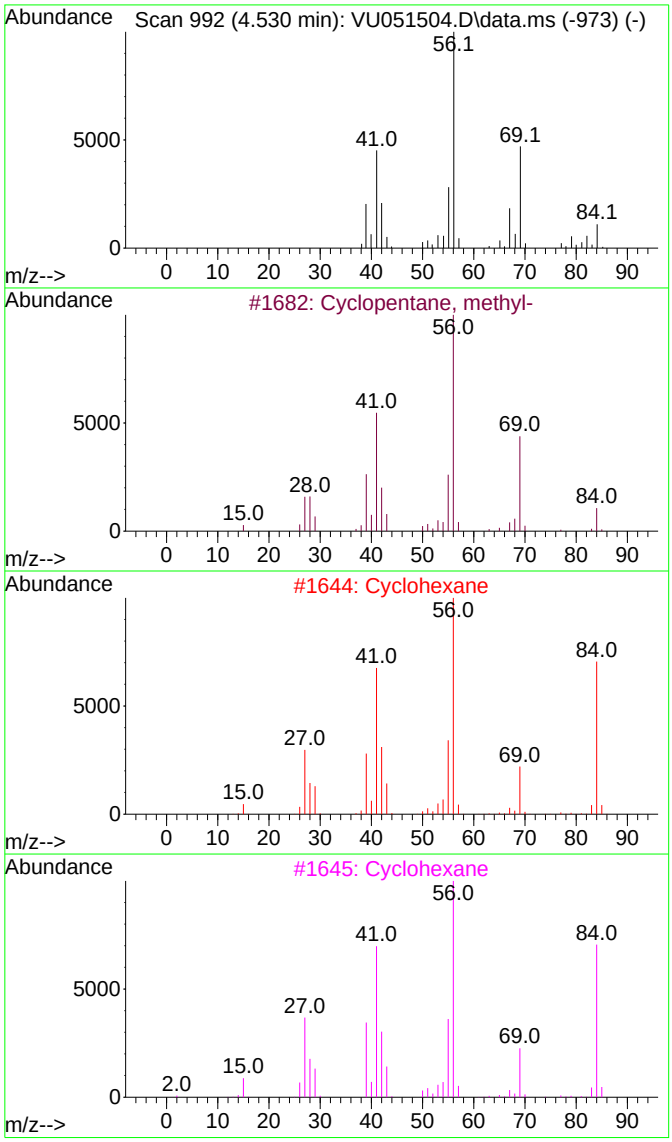
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100722WMA.M
Quant Title : TRACE VOA SFAM1.0

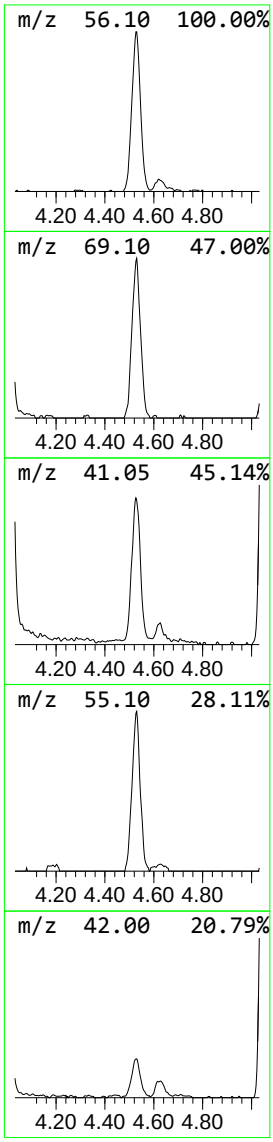
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 (DEL) Alkane: Cyclic4.530 Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.530 | 1.31 ug/L | 166886 | 1,4-Difluorobenzene | 6.250 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, methyl- | 84 | C6H12 | 000096-37-7 | 87 |
| 2 | Cyclohexane | 84 | C6H12 | 000110-82-7 | 72 |
| 3 | Cyclohexane | 84 | C6H12 | 000110-82-7 | 68 |
| 4 | Cyclopentane, methyl- | 84 | C6H12 | 000096-37-7 | 64 |
| 5 | Cyclohexane | 84 | C6H12 | 000110-82-7 | 64 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102622\
Data File : VU051504.D
Acq On : 26 Oct 2022 16:01
Operator : JC/MD
Sample : N5270-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BHA81

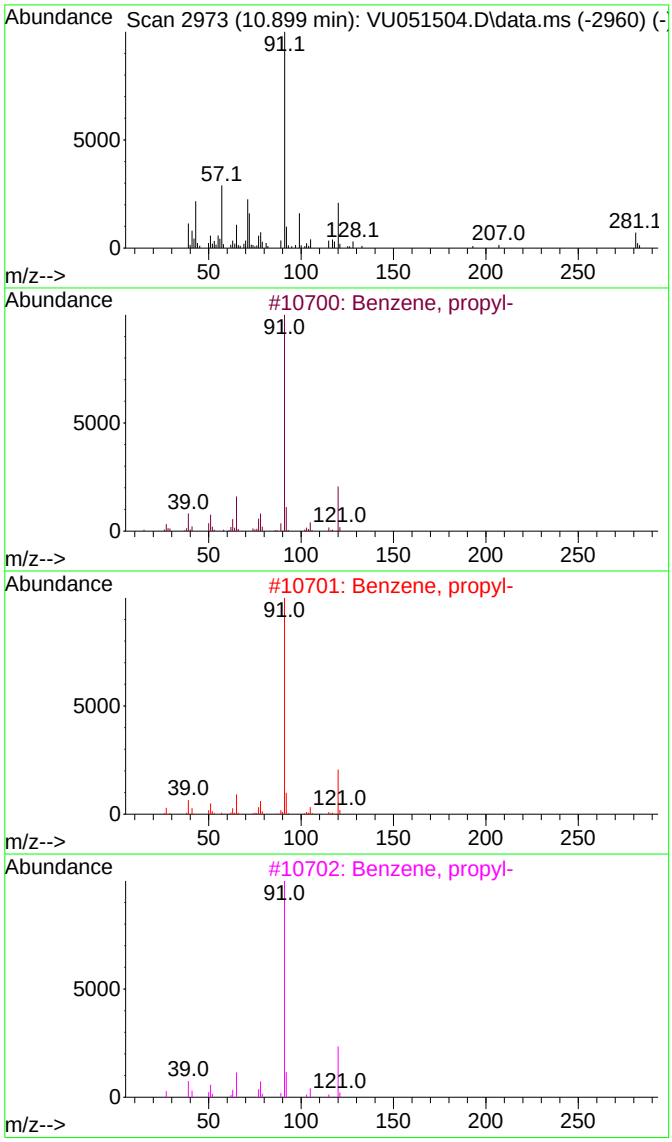
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100722WMA.M
Quant Title : TRACE VOA SFAM1.0

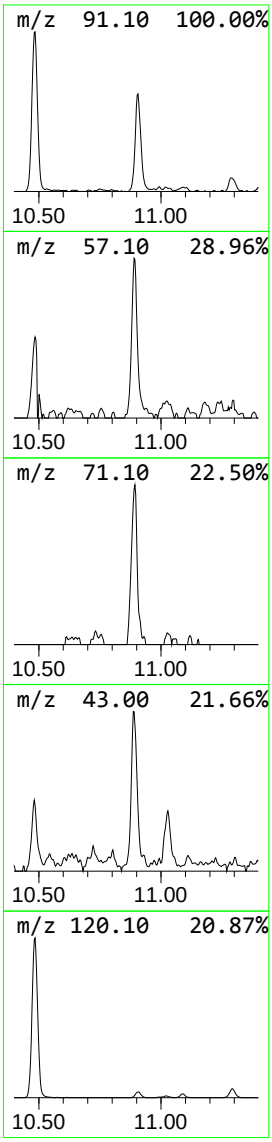
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 Benzene, propyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.899 | 0.65 ug/L | 104837 | 1,4-Dichlorobenzene-d4 | 11.812 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, propyl- | 120 | C9H12 | 000103-65-1 | 86 |
| 2 | Benzene, propyl- | 120 | C9H12 | 000103-65-1 | 50 |
| 3 | Benzene, propyl- | 120 | C9H12 | 000103-65-1 | 46 |
| 4 | N-Butylbenzylamine | 163 | C11H17N | 002403-22-7 | 38 |
| 5 | 1,2-Ethanediamine, N-(phenylmeth... | 150 | C9H14N2 | 004152-09-4 | 38 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102622\
Data File : VU051504.D
Acq On : 26 Oct 2022 16:01
Operator : JC/MD
Sample : N5270-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BHA81

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100722WMA.M
Quant Title : TRACE VOA SFAM1.0

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

| | | | | | --Internal Standard--- | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Ethyl ether | 2.376 | 9.5 | ug/L | 1209440 | 1 | 6.250 | 638411 | 5.0 |
| (DEL) Alkane: S... | 3.356 | 0.9 | ug/L | 120329 | 1 | 6.250 | 638411 | 5.0 |
| (DEL) Alkane: S... | 3.697 | 0.5 | ug/L | 66433 | 1 | 6.250 | 638411 | 5.0 |
| Diisopropyl ether | 3.990 | 25.3 | ug/L | 3227620 | 1 | 6.250 | 638411 | 5.0 |
| (DEL) Alkane: C... | 4.530 | 1.3 | ug/L | 166886 | 1 | 6.250 | 638411 | 5.0 |
| Benzene, propyl- | 10.899 | 0.7 | ug/L | 104837 | 3 | 11.812 | 807552 | 5.0 |