LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052720\
Data File : VU038326.D
Acq On : 27 May 2020 17:19
Operator : JC/MD
Sample : L2749-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BE4X3

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\SOMUTR050720WMA.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 | 1.610 | 74 | 84 | 93 | rBV2 | 144415 | 209900 | 1.02% | 0.230% |
| 2 | 1.929 | 177 | 183 | 202 | rVB2 | 125521 | 222997 | 1.08% | 0.245% |
| 3 | 2.401 | 318 | 330 | 351 | rBV | 3718497 | 5692044 | 27.53% | 6.248% |
| 4 | 2.591 | 377 | 389 | 402 | rVB | 229343 | 376084 | 1.82% | 0.413% |
| 5 | 2.678 | 404 | 416 | 451 | rVB | 96458 | 243632 | 1.18% | 0.267% |
| 6 | 3.112 | 542 | 551 | 563 | rVB2 | 107401 | 207349 | 1.00% | 0.228% |
| 7 | 3.395 | 624 | 639 | 659 | rVB2 | 298682 | 690680 | 3.34% | 0.758% |
| 8 | 3.736 | 726 | 745 | 763 | rBV | 227300 | 507381 | 2.45% | 0.557% |
| 9 | 4.038 | 817 | 839 | 889 | rBV | 7862604 | 20673529 | 100.00% | 22.694% |
| 10 | 4.572 | 986 | 1005 | 1024 | rBV | 778095 | 1883941 | 9.11% | 2.068% |
| 11 | 4.687 | 1026 | 1041 | 1094 | rVB3 | 169465 | 729924 | 3.53% | 0.801% |
| 12 | 5.102 | 1155 | 1170 | 1184 | rBV | 218573 | 483155 | 2.34% | 0.530% |
| 13 | 5.424 | 1253 | 1270 | 1284 | rBV | 219313 | 497383 | 2.41% | 0.546% |
| 14 | 5.761 | 1356 | 1375 | 1384 | rBV2 | 435546 | 1129878 | 5.47% | 1.240% |
| 15 | 5.809 | 1384 | 1390 | 1402 | rVB | 239687 | 428732 | 2.07% | 0.471% |
| 16 | 5.887 | 1402 | 1414 | 1424 | rBV5 | 85191 | 226306 | 1.09% | 0.248% |
| 17 | 6.282 | 1520 | 1537 | 1569 | rVB | 363735 | 722003 | 3.49% | 0.793% |
| 18 | 6.723 | 1660 | 1674 | 1684 | rBV | 275969 | 544223 | 2.63% | 0.597% |
| 19 | 6.790 | 1685 | 1695 | 1718 | rVB3 | 148417 | 347596 | 1.68% | 0.382% |
| 20 | 7.591 | 1934 | 1944 | 1954 | rBV | 141172 | 243409 | 1.18% | 0.267% |
| 21 | 7.742 | 1977 | 1991 | 2013 | rVB2 | 121674 | 245719 | 1.19% | 0.270% |
| 22 | 7.886 | 2022 | 2036 | 2039 | rBV2 | 154829 | 247736 | 1.20% | 0.272% |
| 23 | 7.922 | 2039 | 2047 | 2061 | rVB | 556380 | 981131 | 4.75% | 1.077% |
| 24 | 8.658 | 2264 | 2276 | 2288 | rBV | 785592 | 1438521 | 6.96% | 1.579% |
| 25 | 9.465 | 2506 | 2527 | 2559 | rBV | 9147208 | 16549480 | 80.05% | 18.167% |
| 26 | 10.124 | 2713 | 2732 | 2749 | rVB5 | 191705 | 441788 | 2.14% | 0.485% |
| 27 | 10.501 | 2834 | 2849 | 2877 | rBV | 10899400 | 17870049 | 86.44% | 19.617% |
| 28 | 10.771 | 2926 | 2933 | 2942 | rVB | 228907 | 351181 | 1.70% | 0.386% |
| 29 | 10.906 | 2959 | 2975 | 2996 | rBV2 | 919988 | 1658252 | 8.02% | 1.820% |
| 30 | 11.002 | 2996 | 3005 | 3013 | rBV2 | 130214 | 244718 | 1.18% | 0.269% |
| 31 | 11.304 | 3089 | 3099 | 3120 | rVB2 | 354957 | 665701 | 3.22% | 0.731% |
| 32 | 11.433 | 3123 | 3139 | 3148 | rVV | 498444 | 845938 | 4.09% | 0.929% |
| 33 | 11.623 | 3184 | 3198 | 3201 | rBV3 | 112100 | 211573 | 1.02% | 0.232% |
| 34 | 11.652 | 3202 | 3207 | 3226 | rVB4 | 189160 | 332574 | 1.61% | 0.365% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052720\
Data File : VU038326.D
Acq On : 27 May 2020 17:19
Operator : JC/MD
Sample : L2749-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BE4X3

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\SOMUTR050720WMA.M
Title : TRACE VOA SOM01.0

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 11.899 | 3276 | 3284 | 3296 | rVB2 | 1027259 | 1553787 | 7.52% | 1.706% |
| 36 | 12.105 | 3335 | 3348 | 3364 | rVB3 | 475807 | 783706 | 3.79% | 0.860% |
| 37 | 12.211 | 3365 | 3381 | 3401 | rVB3 | 805618 | 2087732 | 10.10% | 2.292% |
| 38 | 12.584 | 3483 | 3497 | 3506 | rBV | 460740 | 690024 | 3.34% | 0.757% |
| 39 | 12.697 | 3525 | 3532 | 3552 | rVB4 | 123173 | 297923 | 1.44% | 0.327% |
| 40 | 12.793 | 3552 | 3562 | 3568 | rBV4 | 207829 | 360741 | 1.74% | 0.396% |
| 41 | 12.838 | 3568 | 3576 | 3584 | rVV | 808468 | 1291052 | 6.24% | 1.417% |
| 42 | 12.883 | 3584 | 3590 | 3602 | rVB | 424175 | 624759 | 3.02% | 0.686% |
| 43 | 12.992 | 3614 | 3624 | 3633 | rBV | 426366 | 652869 | 3.16% | 0.717% |
| 44 | 13.504 | 3768 | 3783 | 3801 | rVB4 | 210685 | 567356 | 2.74% | 0.623% |
| 45 | 13.629 | 3816 | 3822 | 3838 | rVB3 | 127198 | 238264 | 1.15% | 0.262% |
| 46 | 13.880 | 3886 | 3900 | 3914 | rBV5 | 182111 | 371353 | 1.80% | 0.408% |
| 47 | 13.976 | 3920 | 3930 | 3936 | rBV5 | 120589 | 213308 | 1.03% | 0.234% |
| 48 | 14.025 | 3937 | 3945 | 3965 | rVB2 | 443187 | 839647 | 4.06% | 0.922% |
| 49 | 14.156 | 3968 | 3986 | 3999 | rBV2 | 126701 | 257903 | 1.25% | 0.283% |
| 50 | 14.314 | 4024 | 4035 | 4048 | rBV2 | 129681 | 263502 | 1.27% | 0.289% |
| 51 | 14.597 | 4114 | 4123 | 4146 | rVB2 | 125361 | 248687 | 1.20% | 0.273% |
| 52 | 14.799 | 4176 | 4186 | 4197 | rBV3 | 117980 | 303076 | 1.47% | 0.333% |
| 53 | 15.015 | 4242 | 4253 | 4268 | rBV4 | 154725 | 353447 | 1.71% | 0.388% |
| 54 | 15.118 | 4275 | 4285 | 4294 | rBV | 450742 | 687995 | 3.33% | 0.755% |
| 55 | 16.963 | 4847 | 4859 | 4871 | rBV2 | 148735 | 264807 | 1.28% | 0.291% |

Sum of corrected areas: 91096445

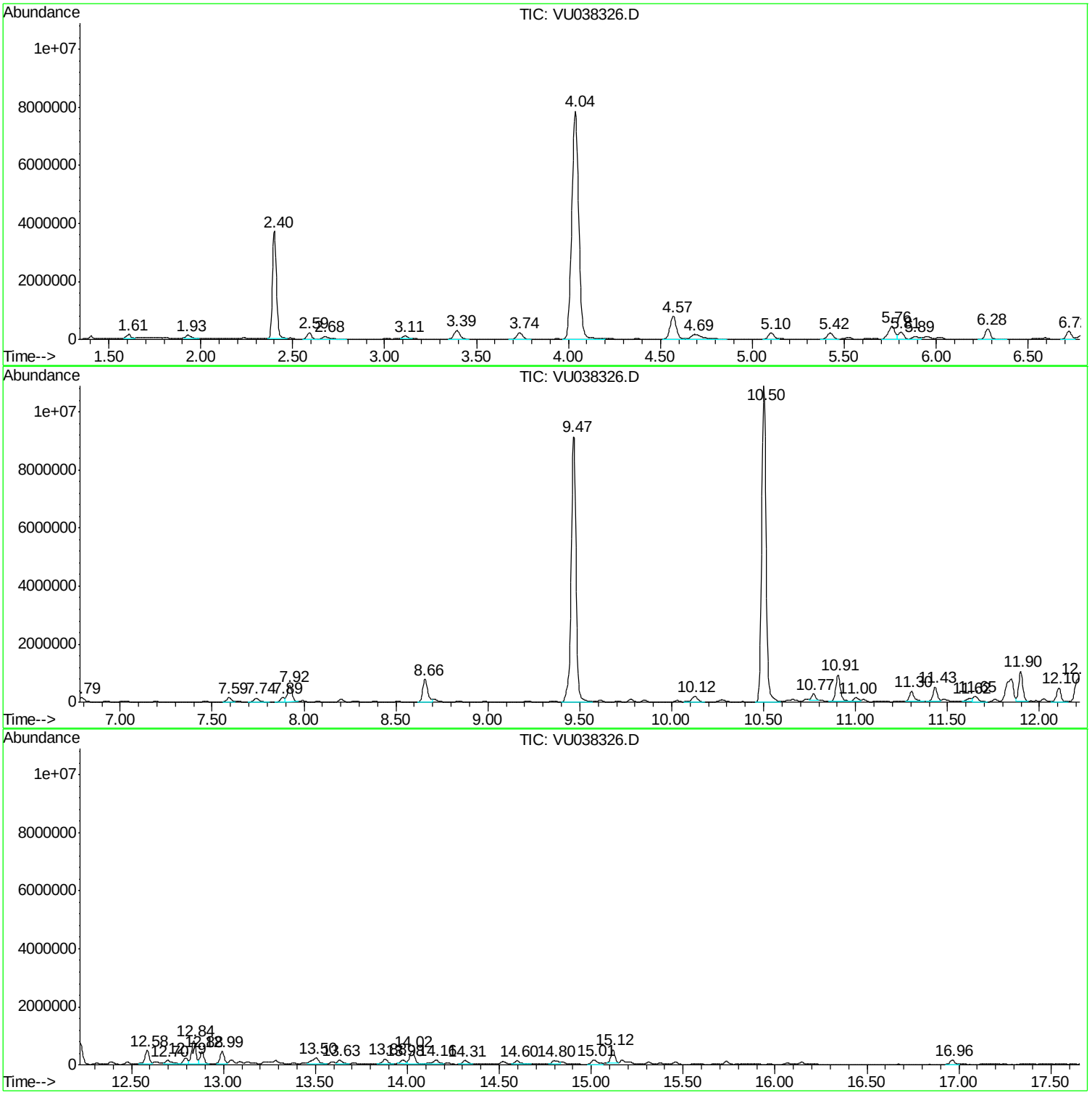
LSC Report - Integrated Chromatogram

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052720\
Data File : VU038326.D
Acq On : 27 May 2020 17:19
Operator : JC/MD
Sample : L2749-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BE4X3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052720\
Data File : VU038326.D
Acq On : 27 May 2020 17:19
Operator : JC/MD
Sample : L2749-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BE4X3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

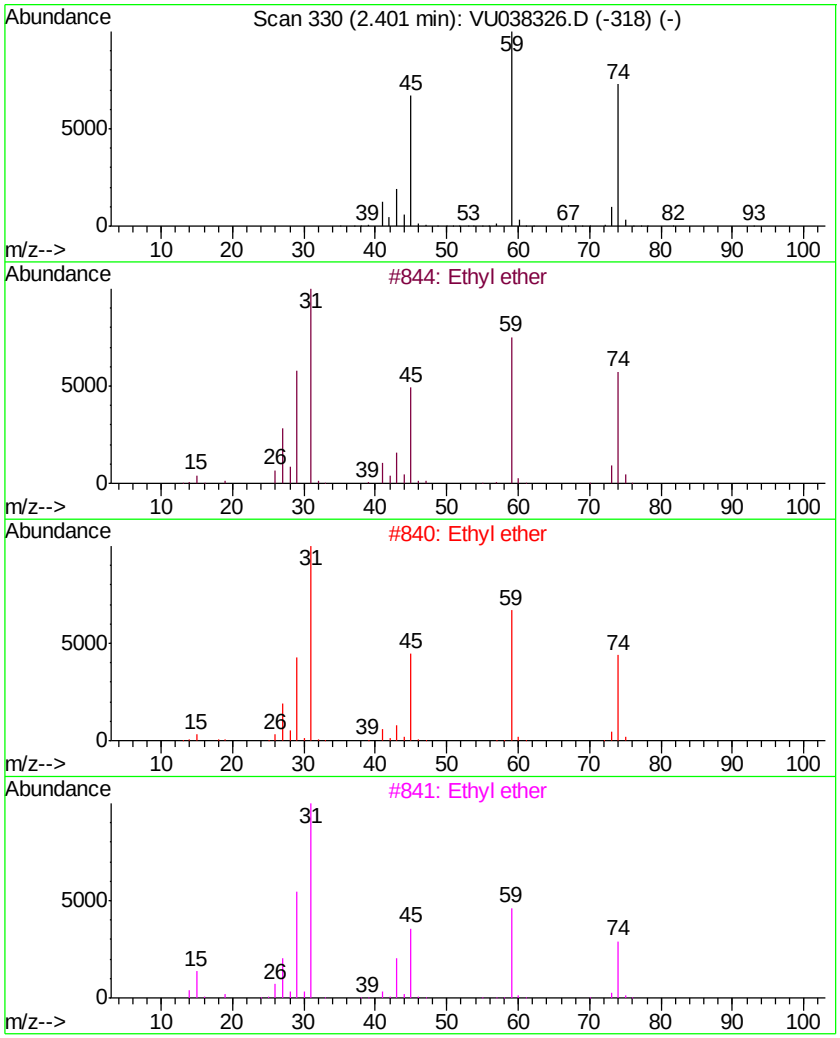
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

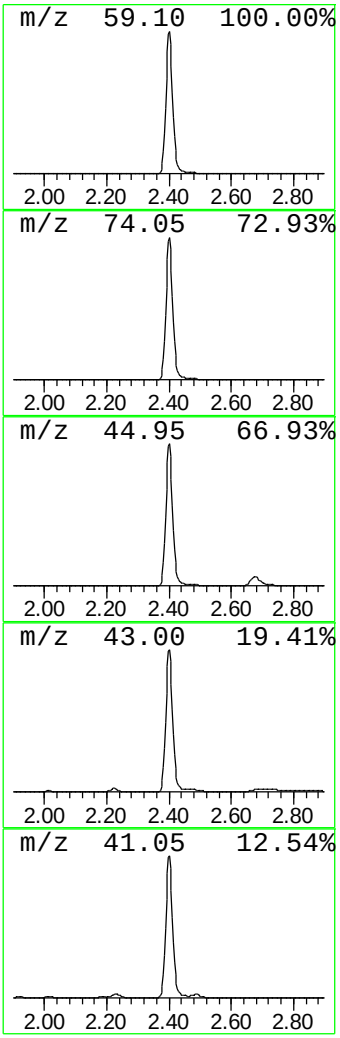
**********

Peak Number 1 Ethyl ether Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.40 | 39.42 ug/L | 5692040 | 1,4-Difluorobenzene | 6.28 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethyl ether | 74 | C4H10O | 000060-29-7 | 90 |
| 2 | Ethyl ether | 74 | C4H10O | 000060-29-7 | 90 |
| 3 | Ethyl ether | 74 | C4H10O | 000060-29-7 | 83 |
| 4 | Ethane, 1,2-diethoxy- | 118 | C6H14O2 | 000629-14-1 | 72 |
| 5 | Ethyl ether | 74 | C4H10O | 000060-29-7 | 59 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052720\
Data File : VU038326.D
Acq On : 27 May 2020 17:19
Operator : JC/MD
Sample : L2749-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BE4X3

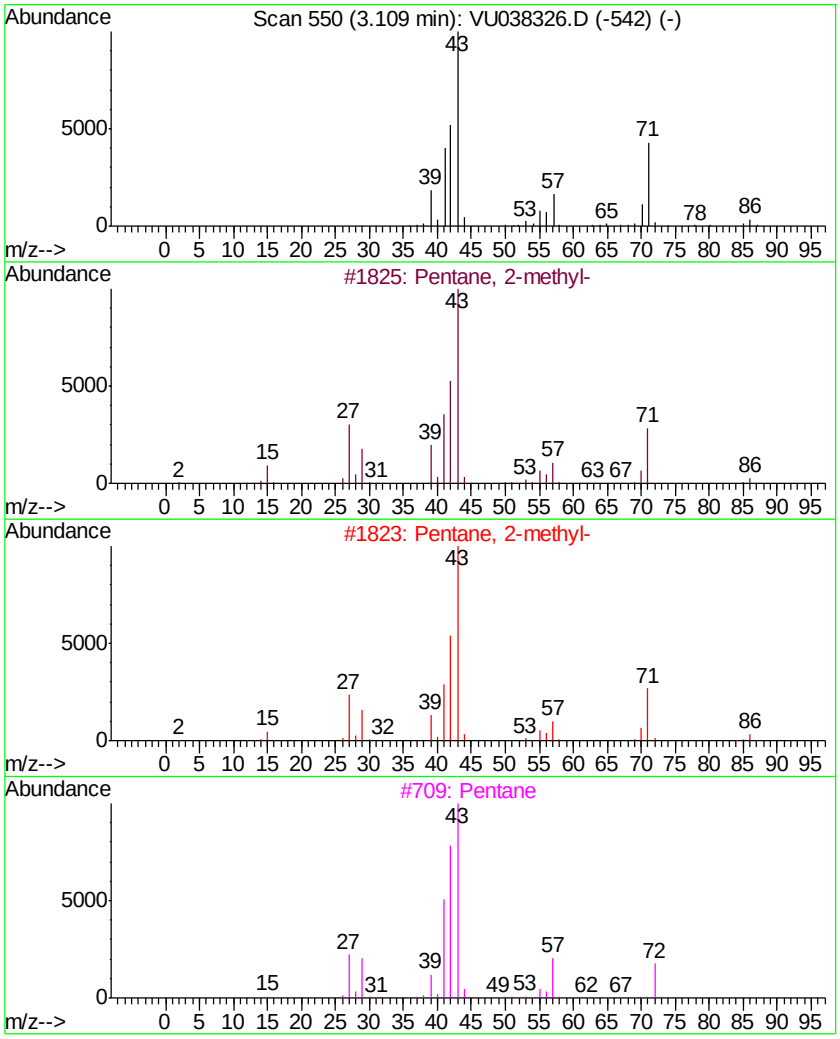
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

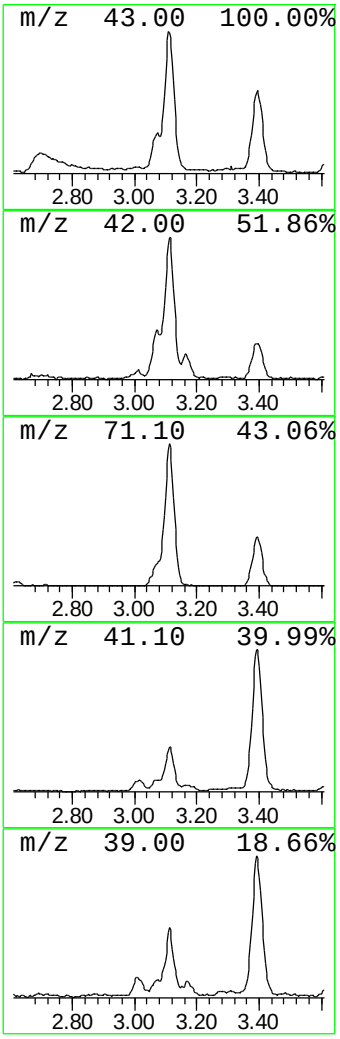
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.11 | 1.44 ug/L | 207349 | 1,4-Difluorobenzene | 6.28 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane, 2-methyl- | 86 | C6H14 | 000107-83-5 | 90 |
| 2 | Pentane, 2-methyl- | 86 | C6H14 | 000107-83-5 | 72 |
| 3 | Pentane | 72 | C5H12 | 000109-66-0 | 47 |
| 4 | Pentane | 72 | C5H12 | 000109-66-0 | 47 |
| 5 | 1-Butanol, 2,3-dimethyl- | 102 | C6H14O | 019550-30-2 | 38 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052720\
Data File : VU038326.D
Acq On : 27 May 2020 17:19
Operator : JC/MD
Sample : L2749-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BE4X3

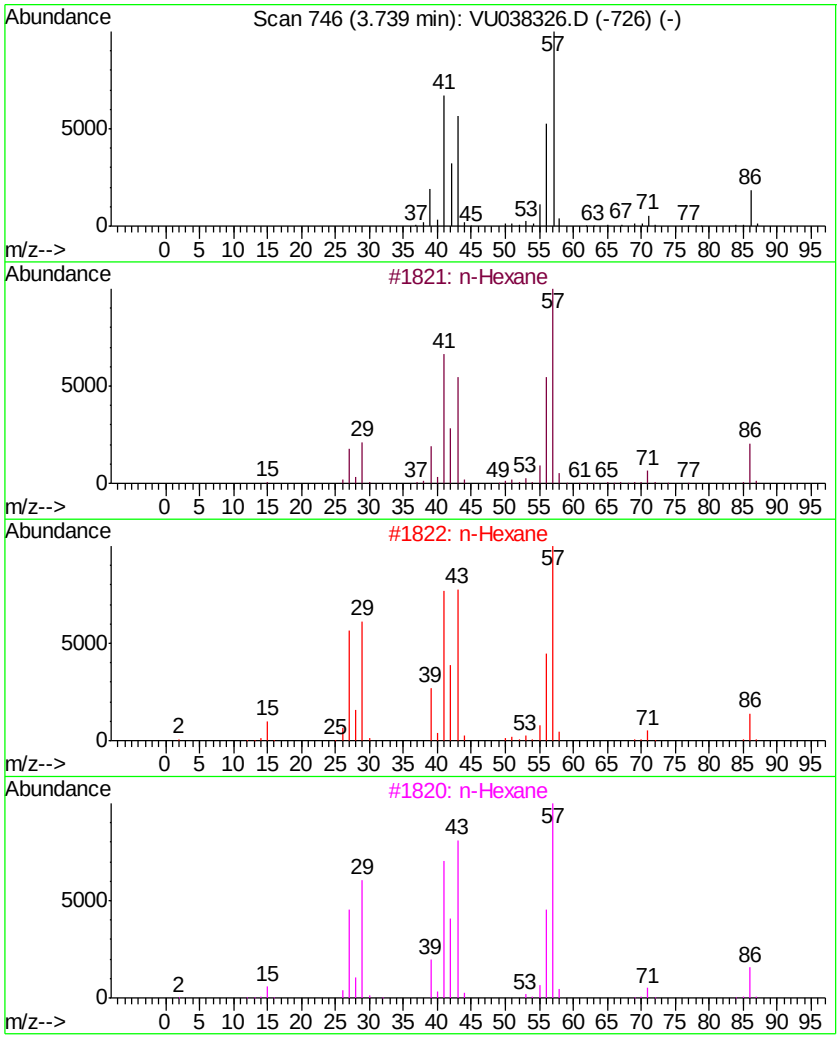
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

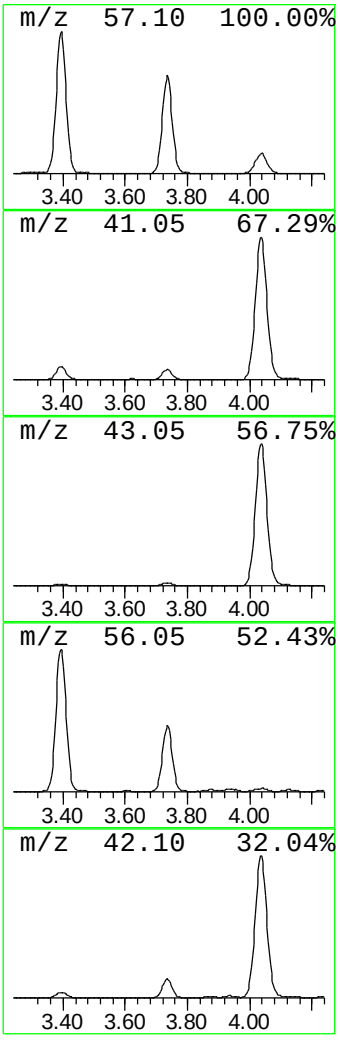
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.74 | 3.51 ug/L | 507381 | 1,4-Difluorobenzene | 6.28 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexane | 86 | C6H14 | 000110-54-3 | 94 |
| 2 | n-Hexane | 86 | C6H14 | 000110-54-3 | 90 |
| 3 | n-Hexane | 86 | C6H14 | 000110-54-3 | 90 |
| 4 | Pentane, 2,2,3,4-tetramethyl- | 128 | C9H20 | 001186-53-4 | 53 |
| 5 | Furan, tetrahydro-3-methyl- | 86 | C5H10O | 013423-15-9 | 47 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052720\
Data File : VU038326.D
Acq On : 27 May 2020 17:19
Operator : JC/MD
Sample : L2749-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BE4X3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

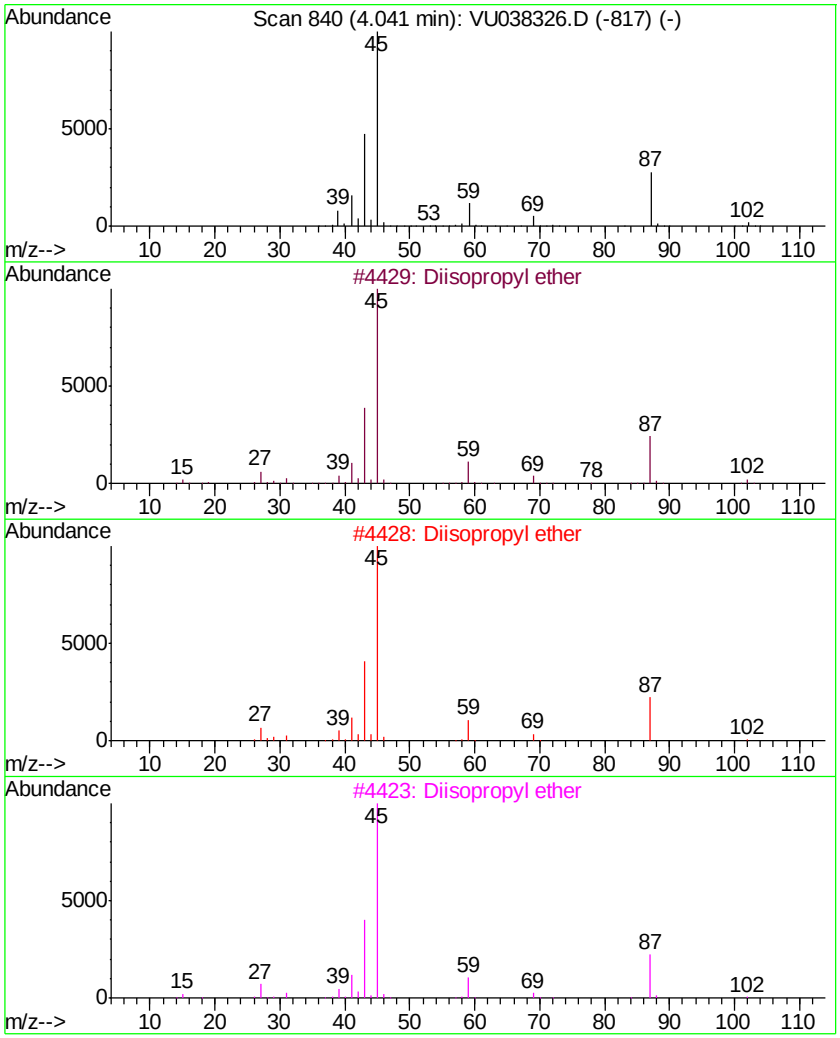
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

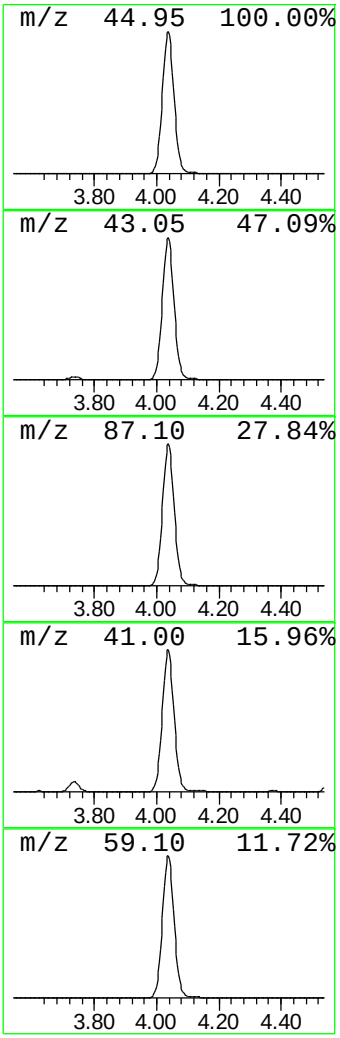
**********

Peak Number 4 Diisopropyl ether Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.04 | 143.17 ug/L | 20673500 | 1,4-Difluorobenzene | 6.28 |

| 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 | 83 |
| 3 | Diisopropyl ether | 102 | C6H14O | 000108-20-3 | 83 |
| 4 | 1-Propanol, 2-(1-methylethoxy)- | 118 | C6H14O2 | 003944-37-4 | 83 |
| 5 | Ether, sec-butyl isopropyl | 116 | C7H16O | 018641-81-1 | 74 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052720\
Data File : VU038326.D
Acq On : 27 May 2020 17:19
Operator : JC/MD
Sample : L2749-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BE4X3

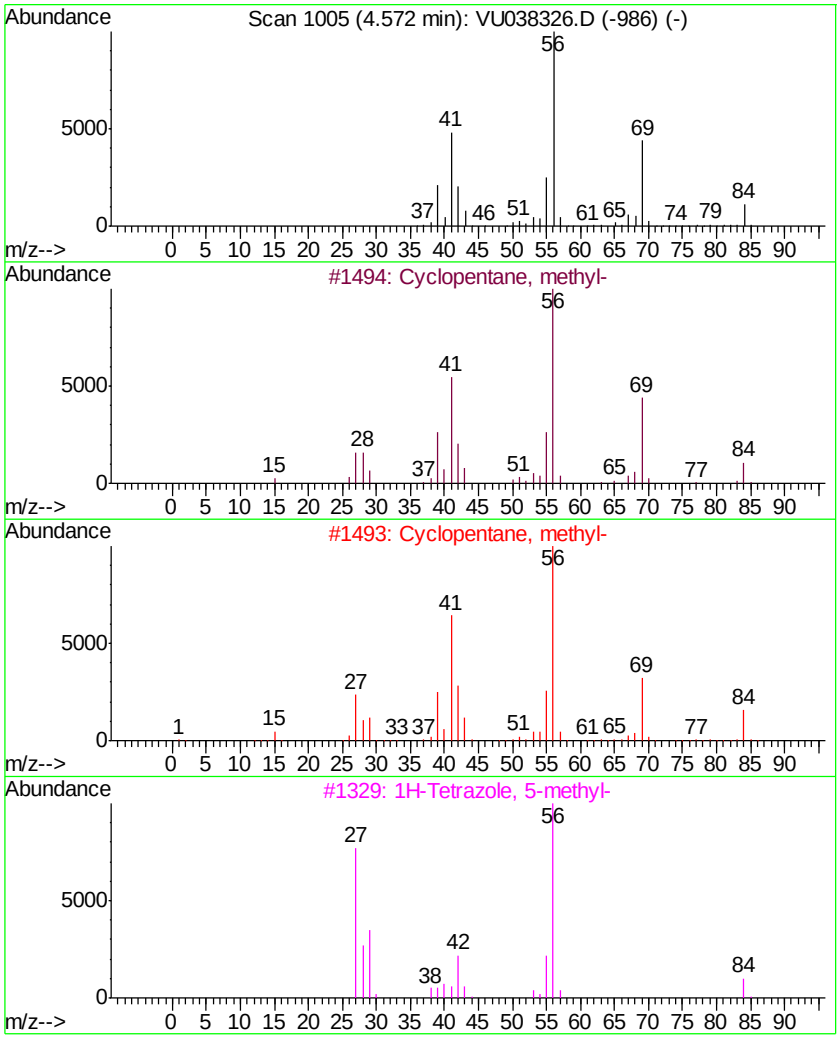
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

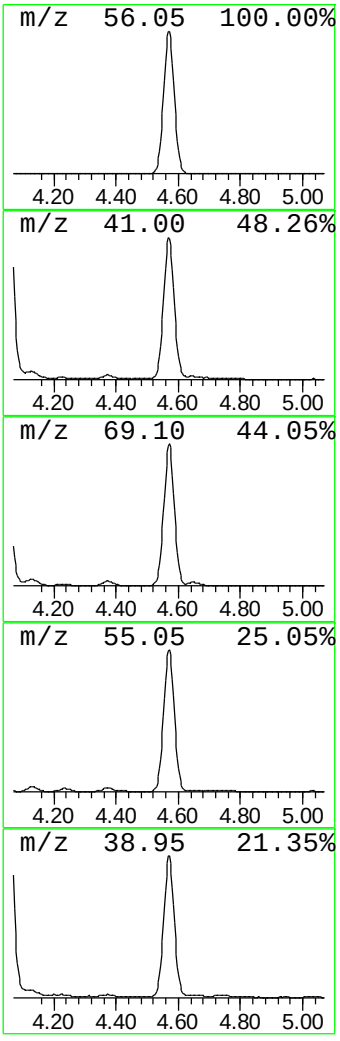
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 (DEL) Alkane: Cyclic4.57 Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.57 | 13.05 ug/L | 1883940 | 1,4-Difluorobenzene | 6.28 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, methyl- | 84 | C6H12 | 000096-37-7 | 94 |
| 2 | Cyclopentane, methyl- | 84 | C6H12 | 000096-37-7 | 91 |
| 3 | 1H-Tetrazole, 5-methyl- | 84 | C2H4N4 | 004076-36-2 | 80 |
| 4 | Cyclohexane | 84 | C6H12 | 000110-82-7 | 64 |
| 5 | Cyclobutane, ethyl- | 84 | C6H12 | 004806-61-5 | 64 |



# Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052720\
Data File : VU038326.D
Acq On : 27 May 2020 17:19
Operator : JC/MD
Sample : L2749-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BE4X3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

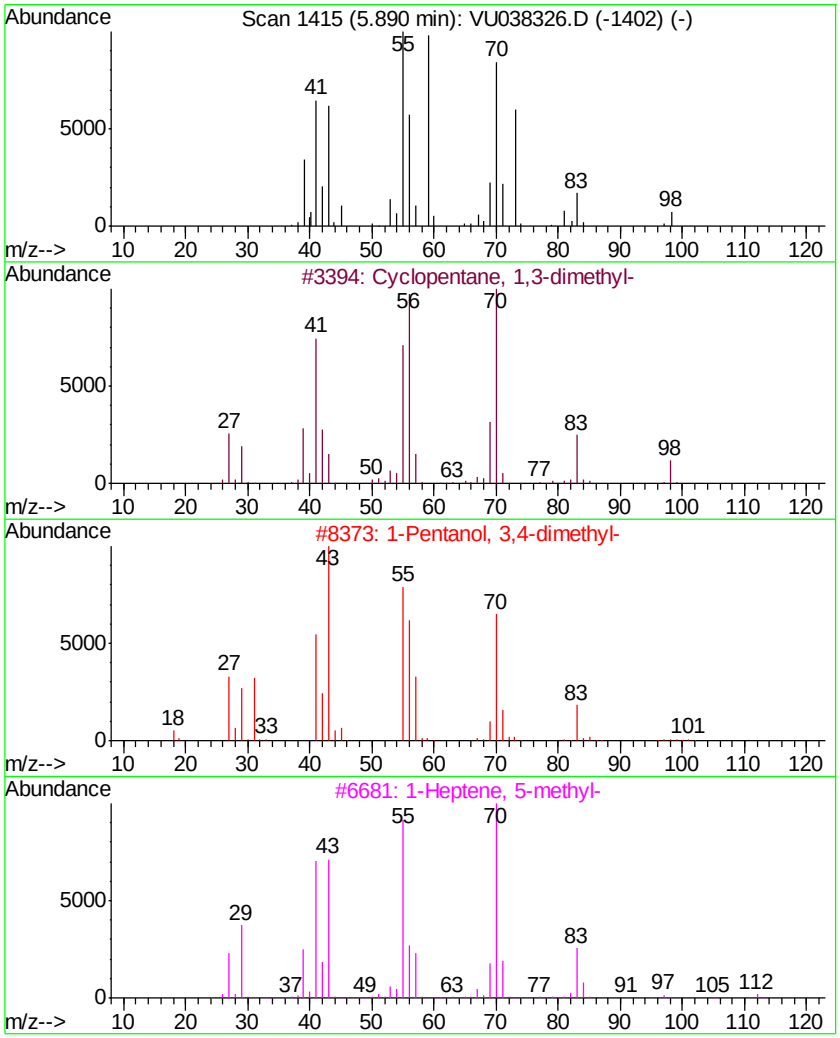
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

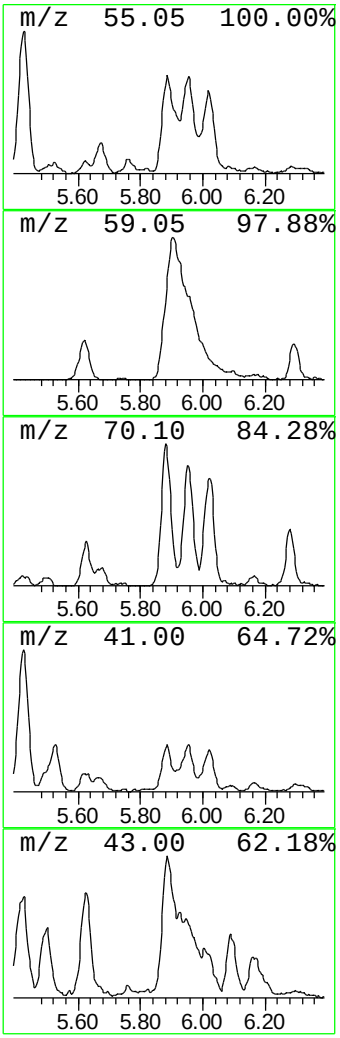
**********

Peak Number 6 (DEL) Alkane: Cyclic5.89 Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.89 | 1.57 ug/L | 226306 | 1,4-Difluorobenzene | 6.28 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, 1,3-dimethyl- | 98 | C7H14 | 002453-00-1 | 55 |
| 2 | 1-Pentanol, 3,4-dimethyl- | 116 | C7H16O | 006570-87-2 | 47 |
| 3 | 1-Heptene, 5-methyl- | 112 | C8H16 | 013151-04-7 | 43 |
| 4 | Cyclopentane, 1,3-dimethyl-, cis- | 98 | C7H14 | 002532-58-3 | 42 |
| 5 | Cyclopentane, 1,3-dimethyl- | 98 | C7H14 | 002453-00-1 | 30 |



# Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052720\
Data File : VU038326.D
Acq On : 27 May 2020 17:19
Operator : JC/MD
Sample : L2749-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BE4X3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

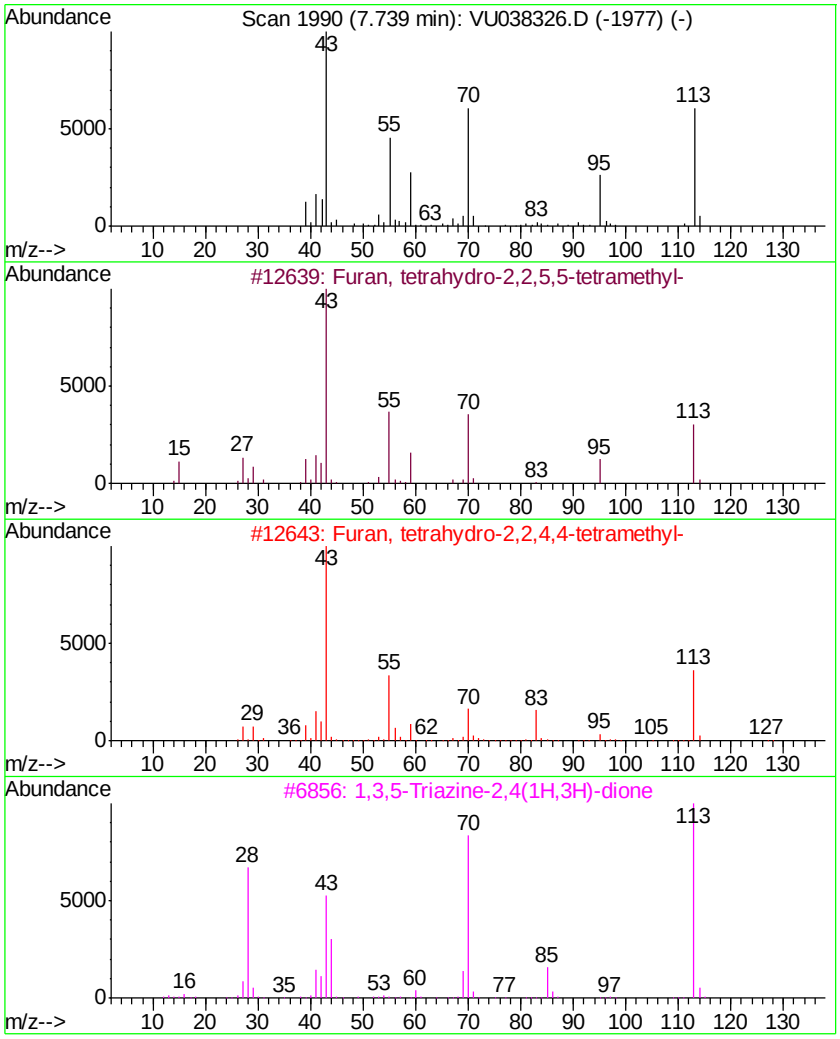
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

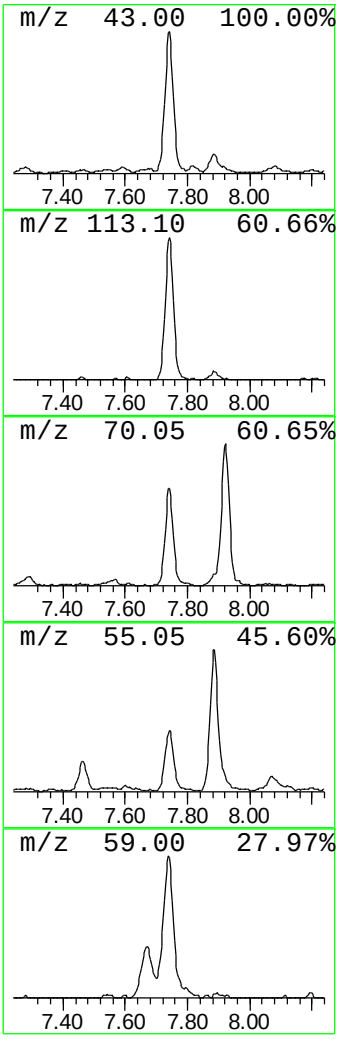
**********

Peak Number 8 Furan, tetrahydro-2,2,5,5-t... Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.74 | 1.70 ug/L | 245719 | 1,4-Difluorobenzene | 6.28 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Furan, tetrahydro-2,2,5,5-tetram... | 128 | C8H16O | 015045-43-9 | 83 |
| 2 | Furan, tetrahydro-2,2,4,4-tetram... | 128 | C8H16O | 003358-28-9 | 53 |
| 3 | 1,3,5-Triazine-2,4(1H,3H)-dione | 113 | C3H3N3O2 | 000071-33-0 | 47 |
| 4 | 2,5-Hexanediol, 2,5-dimethyl- | 146 | C8H18O2 | 000110-03-2 | 45 |
| 5 | Furan, tetrahydro-2,2,4,4-tetram... | 128 | C8H16O | 003358-28-9 | 42 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052720\
Data File : VU038326.D
Acq On : 27 May 2020 17:19
Operator : JC/MD
Sample : L2749-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BE4X3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

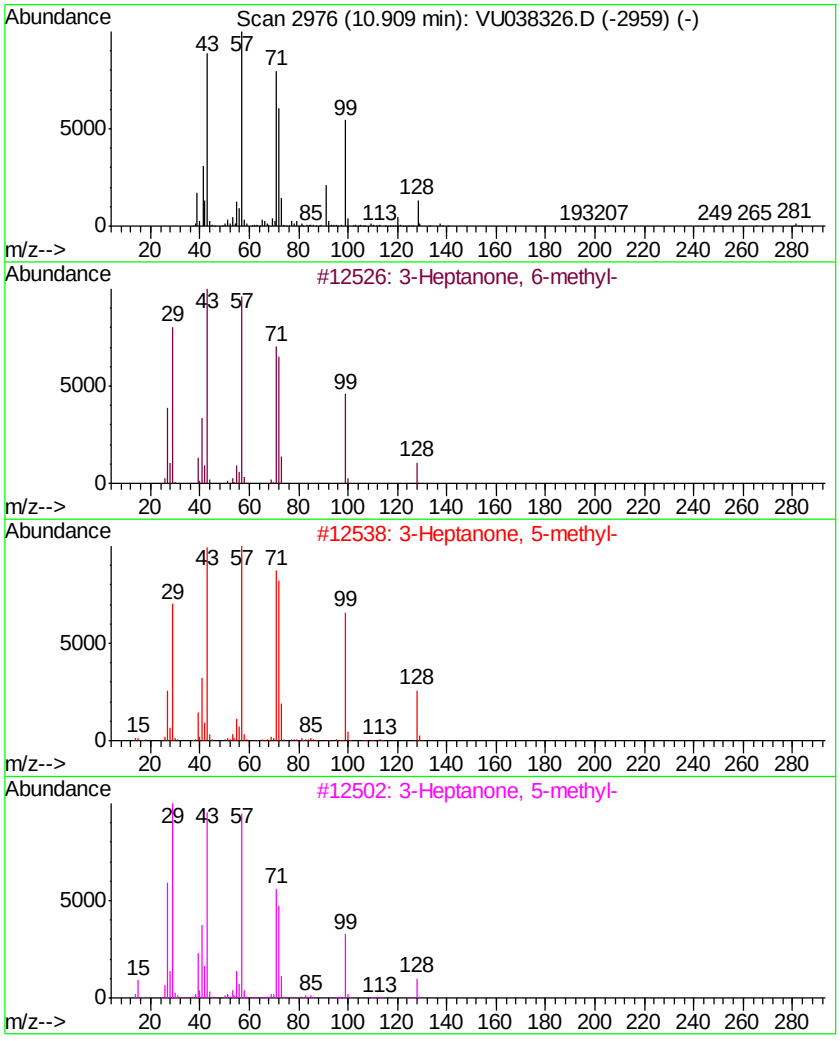
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

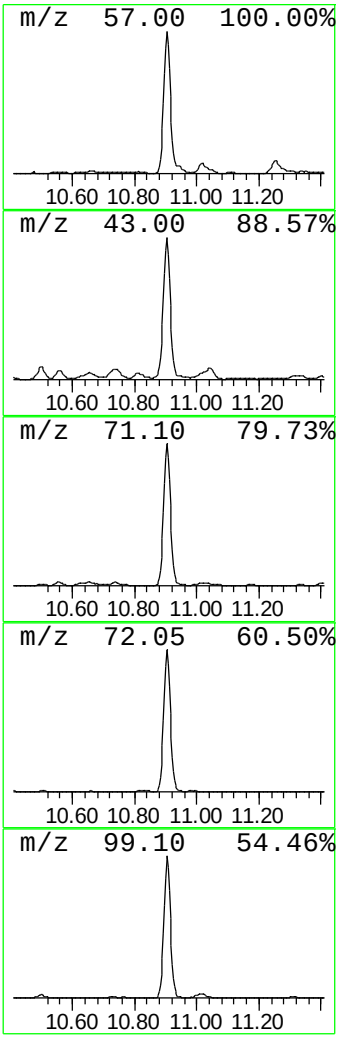
**********

Peak Number 9 3-Heptanone, 6-methyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.91 | 5.34 ug/L | 1658250 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Heptanone, 6-methyl- | 128 | C8H16O | 000624-42-0 | 94 |
| 2 | 3-Heptanone, 5-methyl- | 128 | C8H16O | 000541-85-5 | 91 |
| 3 | 3-Heptanone, 5-methyl- | 128 | C8H16O | 000541-85-5 | 87 |
| 4 | 3-Octanone | 128 | C8H16O | 000106-68-3 | 74 |
| 5 | 3-Heptanone, 5-methyl- | 128 | C8H16O | 000541-85-5 | 70 |



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Data File : VU038326.D
Acq On : 27 May 2020 17:19
Operator : JC/MD
Sample : L2749-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BE4X3

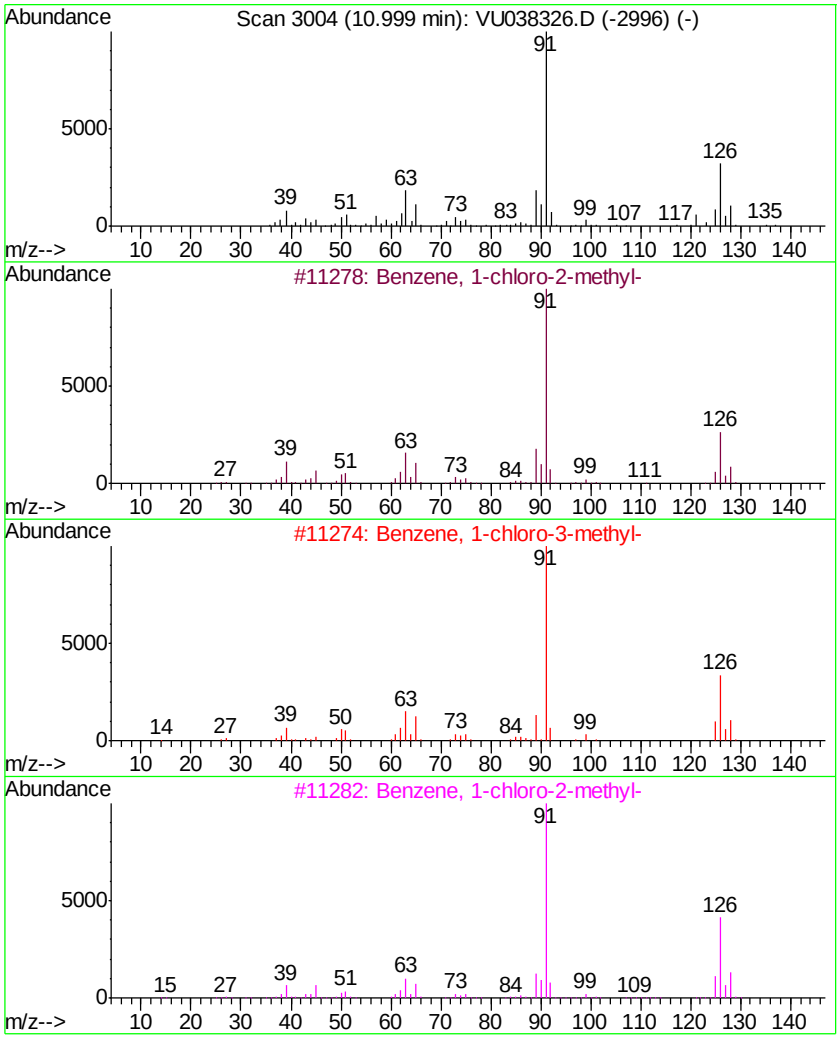
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

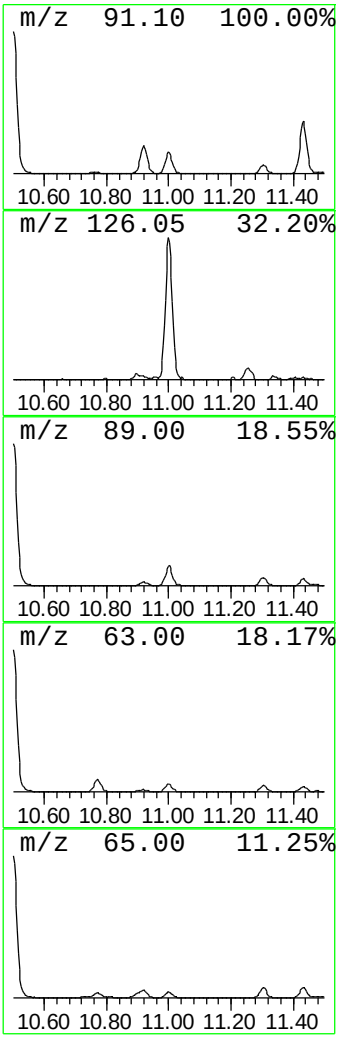
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 10 Benzene, 1-chloro-2-methyl- Concentration Rank 31

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.00 | 0.79 ug/L | 244718 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-chloro-2-methyl- | 126 | C7H7Cl | 000095-49-8 | 96 |
| 2 | Benzene, 1-chloro-3-methyl- | 126 | C7H7Cl | 000108-41-8 | 92 |
| 3 | Benzene, 1-chloro-2-methyl- | 126 | C7H7Cl | 000095-49-8 | 87 |
| 4 | Benzene, 1-chloro-2-methyl- | 126 | C7H7Cl | 000095-49-8 | 87 |
| 5 | Benzene, 1-chloro-2-methyl- | 126 | C7H7Cl | 000095-49-8 | 81 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052720\
Data File : VU038326.D
Acq On : 27 May 2020 17:19
Operator : JC/MD
Sample : L2749-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BE4X3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

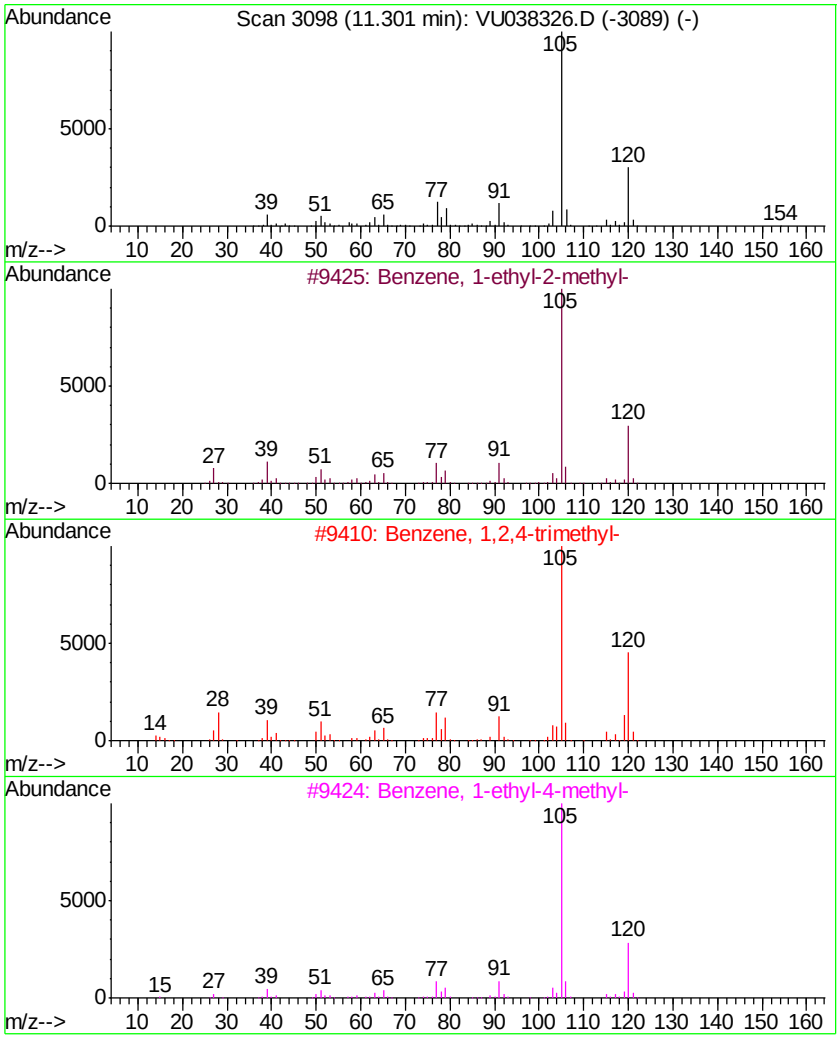
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

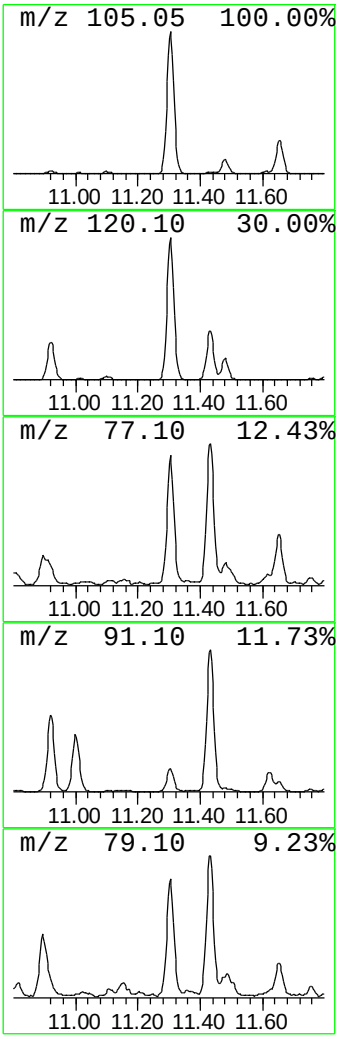
**********

Peak Number 11 Benzene, 1-ethyl-2-methyl- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.30 | 2.14 ug/L | 665701 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-2-methyl- | 120 | C9H12 | 000611-14-3 | 94 |
| 2 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 91 |
| 3 | Benzene, 1-ethyl-4-methyl- | 120 | C9H12 | 000622-96-8 | 91 |
| 4 | Benzene, 1-ethyl-2-methyl- | 120 | C9H12 | 000611-14-3 | 91 |
| 5 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 91 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052720\
Data File : VU038326.D
Acq On : 27 May 2020 17:19
Operator : JC/MD
Sample : L2749-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BE4X3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

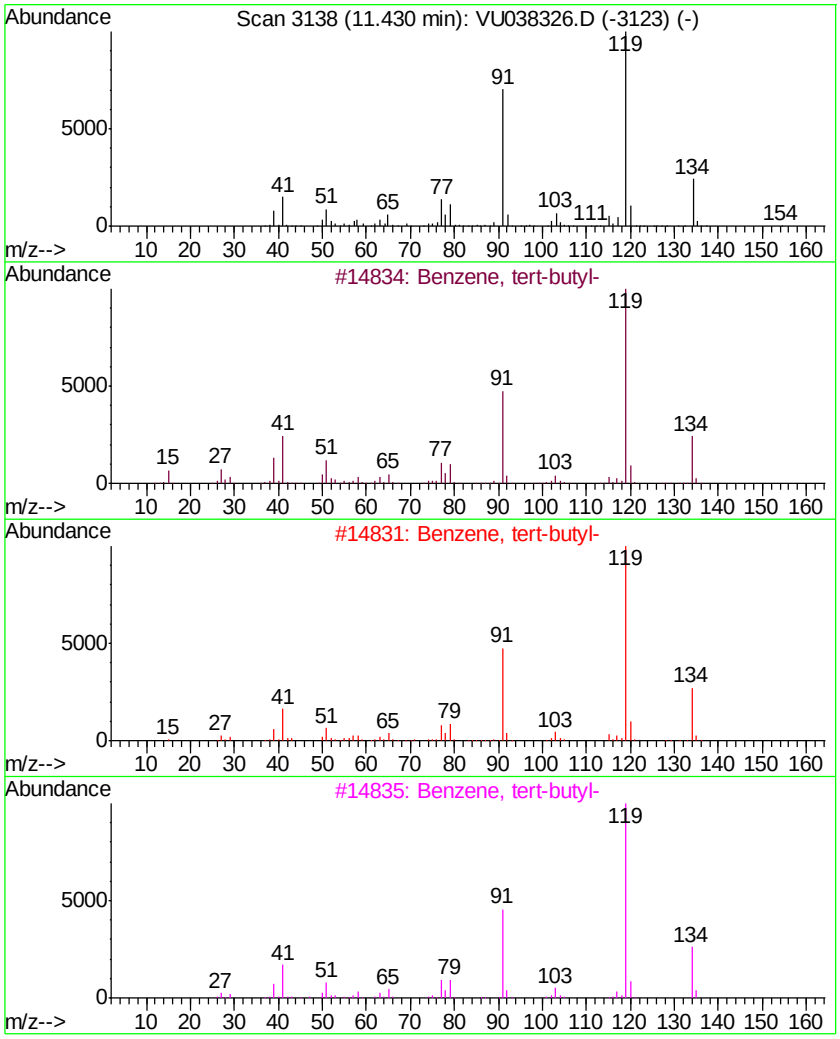
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

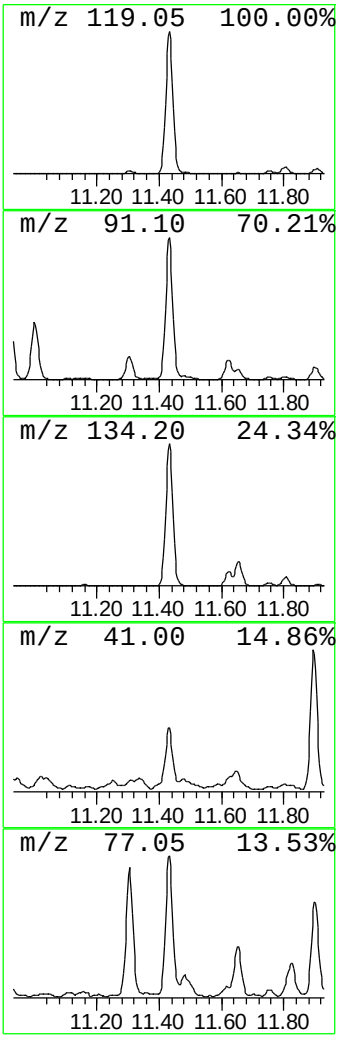
**********

Peak Number 12 Benzene, tert-butyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.43 | 2.72 ug/L | 845938 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, tert-butyl- | 134 | C10H14 | 000098-06-6 | 94 |
| 2 | Benzene, tert-butyl- | 134 | C10H14 | 000098-06-6 | 91 |
| 3 | Benzene, tert-butyl- | 134 | C10H14 | 000098-06-6 | 90 |
| 4 | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14 | 000535-77-3 | 80 |
| 5 | o-Cymene | 134 | C10H14 | 000527-84-4 | 80 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052720\
Data File : VU038326.D
Acq On : 27 May 2020 17:19
Operator : JC/MD
Sample : L2749-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BE4X3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

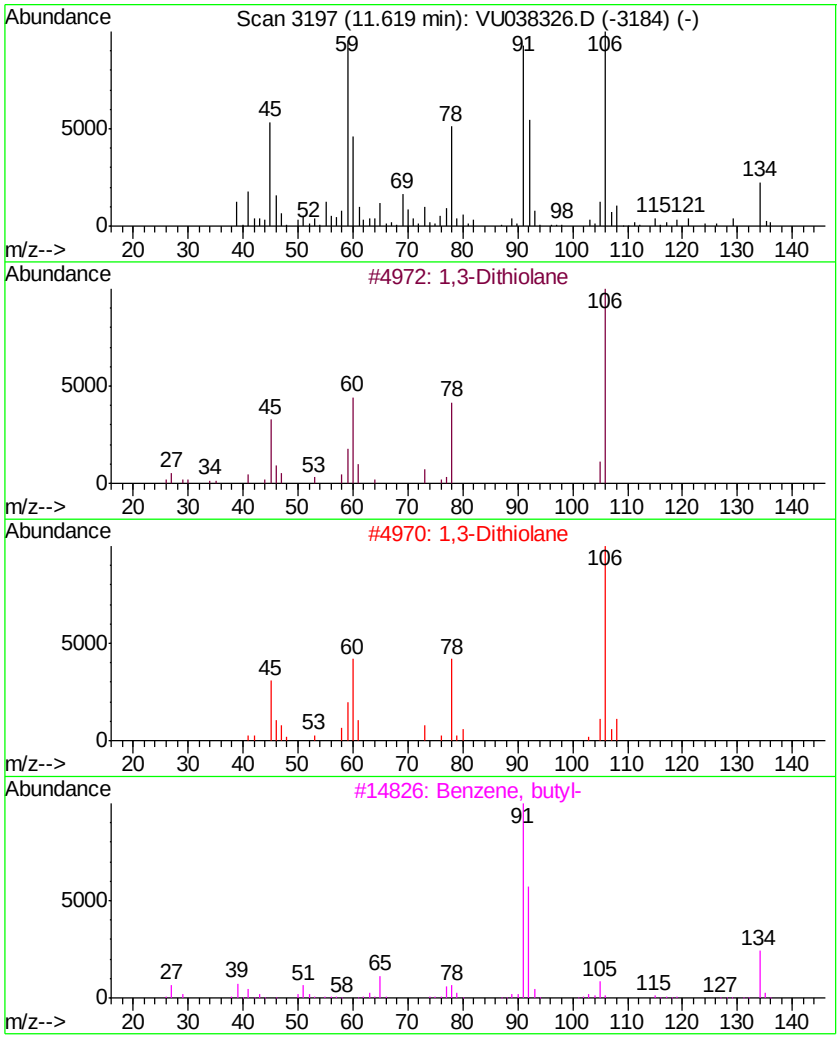
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

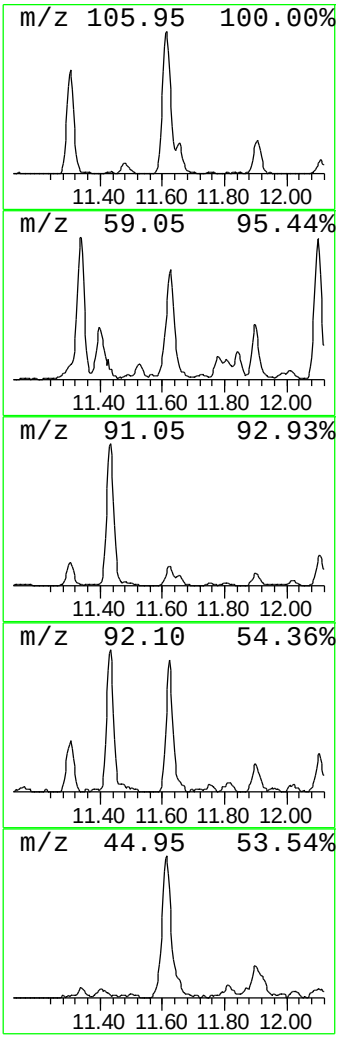
**********

Peak Number 13 1,3-Dithiolane Concentration Rank 34

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.62 | 0.68 ug/L | 211573 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,3-Dithiolane | 106 | C3H6S2 | 004829-04-3 | 50 |
| 2 | 1,3-Dithiolane | 106 | C3H6S2 | 004829-04-3 | 43 |
| 3 | Benzene, butyl- | 134 | C10H14 | 000104-51-8 | 25 |
| 4 | 3-Methylene-bicyclo[3.2.1]oct-6-... | 134 | C9H10O | 1000185-51-1 | 25 |
| 5 | Benzene, butyl- | 134 | C10H14 | 000104-51-8 | 25 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052720\
Data File : VU038326.D
Acq On : 27 May 2020 17:19
Operator : JC/MD
Sample : L2749-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BE4X3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

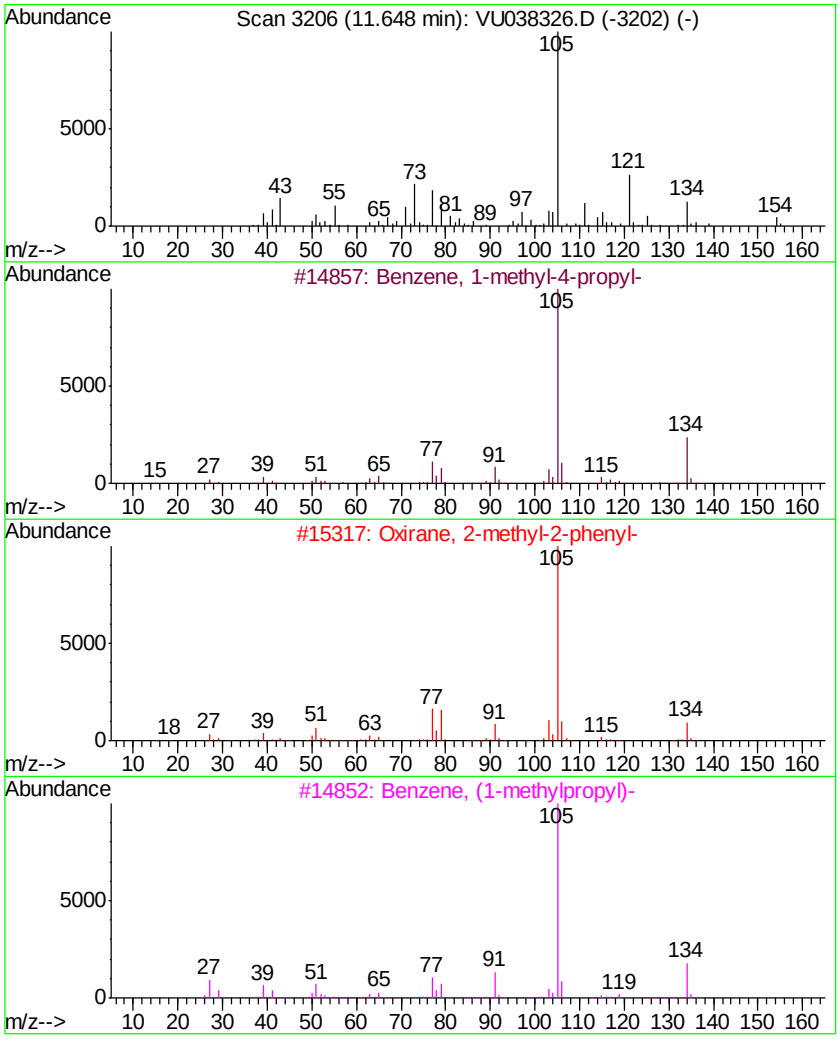
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

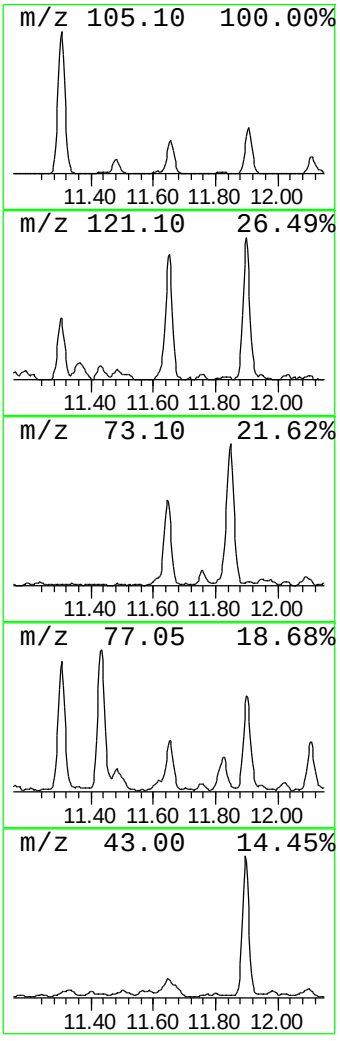
**********

Peak Number 14 unknown-01 Concentration Rank 24

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.65 | 1.07 ug/L | 332574 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-methyl-4-propyl- | 134 | C10H14 | 001074-55-1 | 43 |
| 2 | Oxirane, 2-methyl-2-phenyl- | 134 | C9H10O | 002085-88-3 | 35 |
| 3 | Benzene, (1-methylpropyl)- | 134 | C10H14 | 000135-98-8 | 35 |
| 4 | Benzeneacetaldehyde, .alpha.-met... | 134 | C9H10O | 000093-53-8 | 35 |
| 5 | Benzene, (1-methylpropyl)- | 134 | C10H14 | 000135-98-8 | 35 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052720\
Data File : VU038326.D
Acq On : 27 May 2020 17:19
Operator : JC/MD
Sample : L2749-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BE4X3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

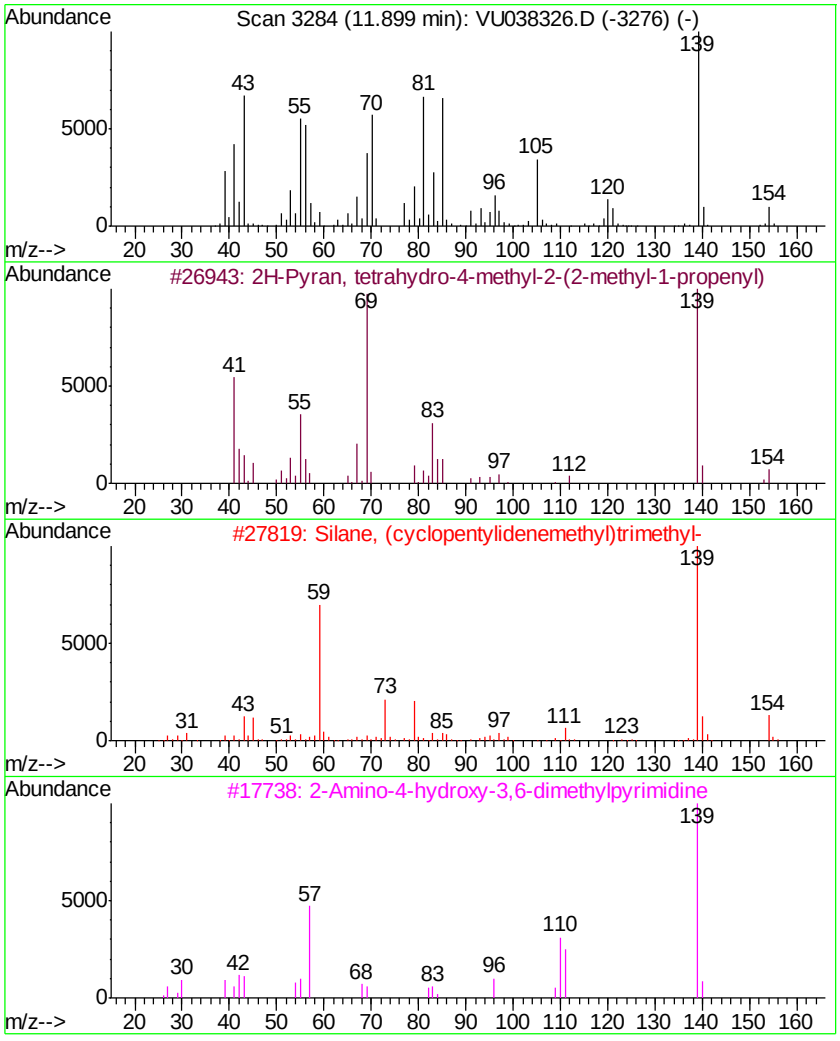
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

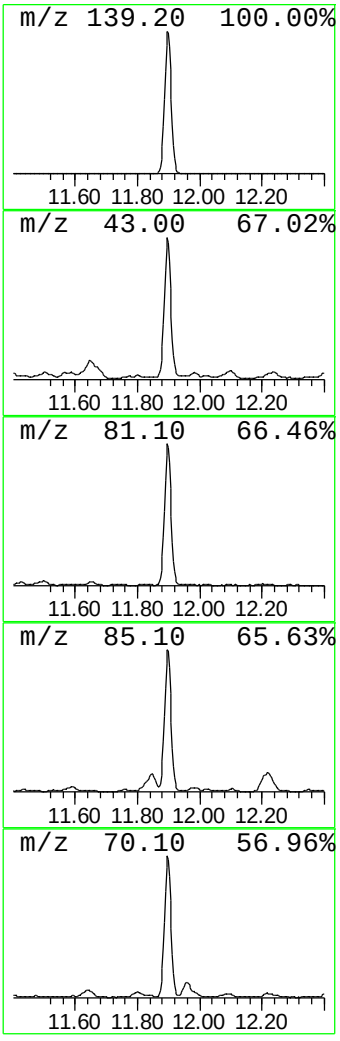
**********

Peak Number 15 unknown-02 Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.90 | 5.00 ug/L | 1553790 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2H-Pyran, tetrahydro-4-methyl-2-... | 154 | C10H18O | 016409-43-1 | 27 |
| 2 | Silane, (cyclopentylidenemethyl)... | 154 | C9H18Si | 094012-70-1 | 25 |
| 3 | 2-Amino-4-hydroxy-3,6-dimethylpy... | 139 | C6H9N3O | 033796-41-7 | 25 |
| 4 | 5-Dimethylamino-furan-2-carbalde... | 139 | C7H9NO2 | 1000317-69-8 | 22 |
| 5 | Cyclopentane, 1,3-dimethyl- | 98 | C7H14 | 002453-00-1 | 18 |



Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052720\
Data File : VU038326.D
Acq On : 27 May 2020 17:19
Operator : JC/MD
Sample : L2749-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BE4X3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

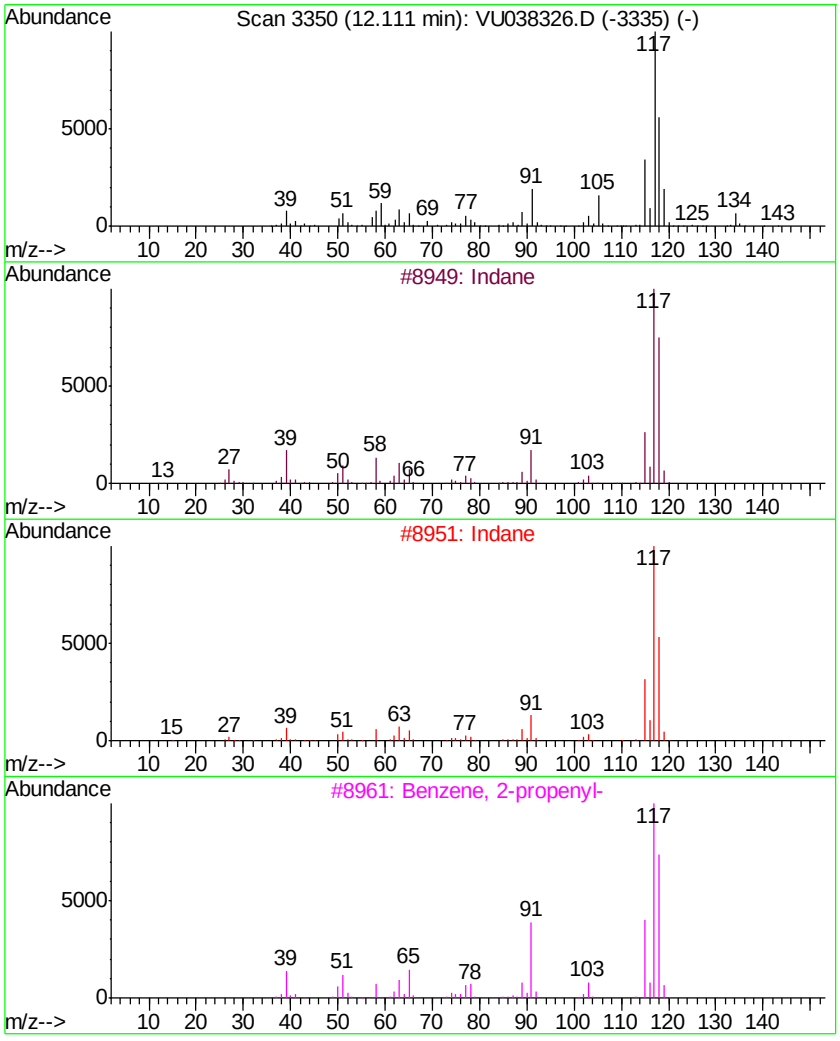
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

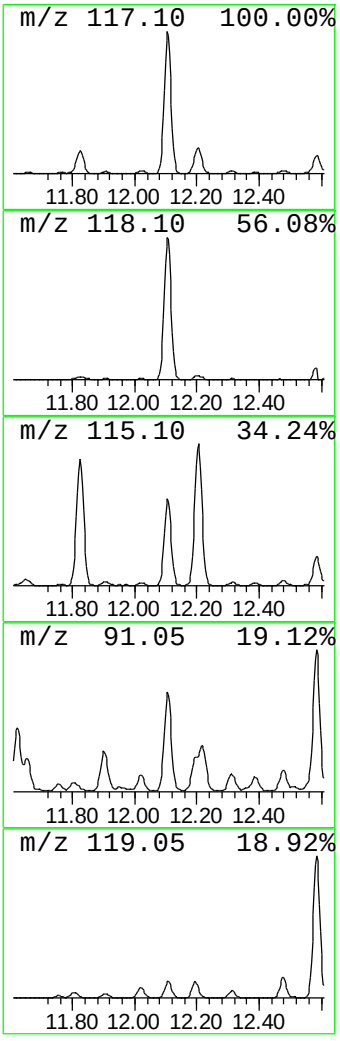
**********

Peak Number 16 Indane Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.11 | 2.52 ug/L | 783706 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indane | 118 | C9H10 | 000496-11-7 | 93 |
| 2 | Indane | 118 | C9H10 | 000496-11-7 | 76 |
| 3 | Benzene, 2-propenyl- | 118 | C9H10 | 000300-57-2 | 76 |
| 4 | Indane | 118 | C9H10 | 000496-11-7 | 76 |
| 5 | (Z)-1-Phenylpropene | 118 | C9H10 | 000766-90-5 | 70 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052720\
Data File : VU038326.D
Acq On : 27 May 2020 17:19
Operator : JC/MD
Sample : L2749-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BE4X3

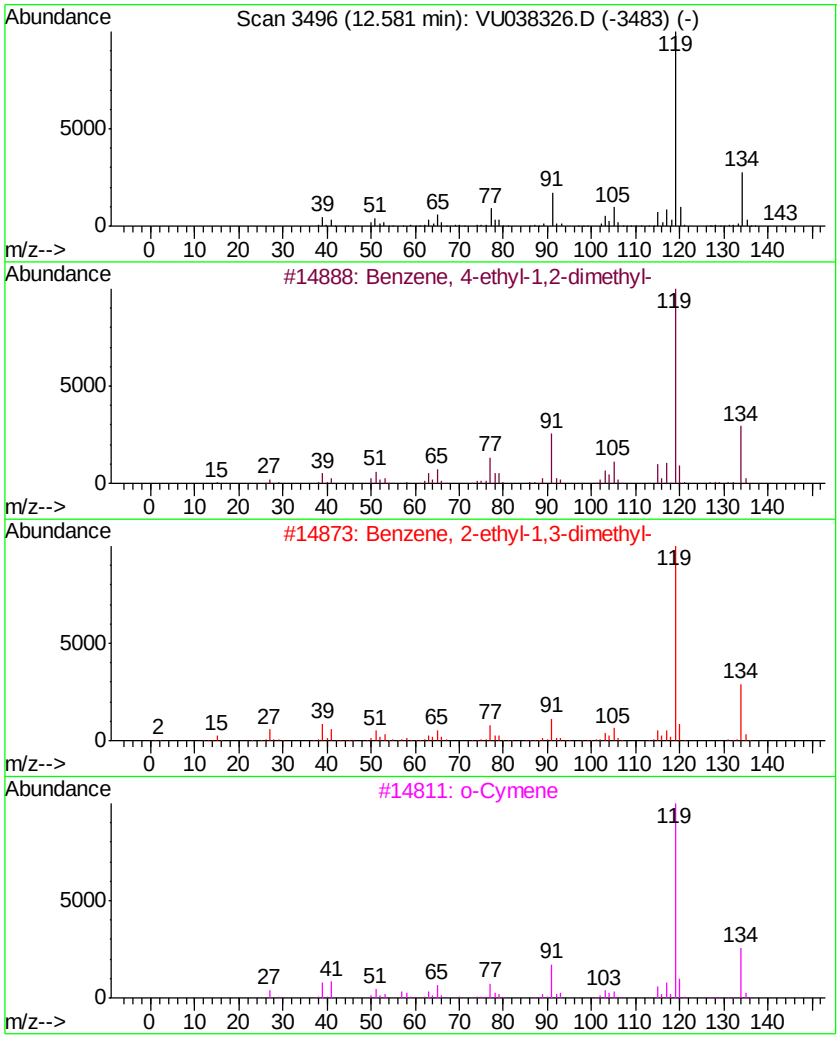
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

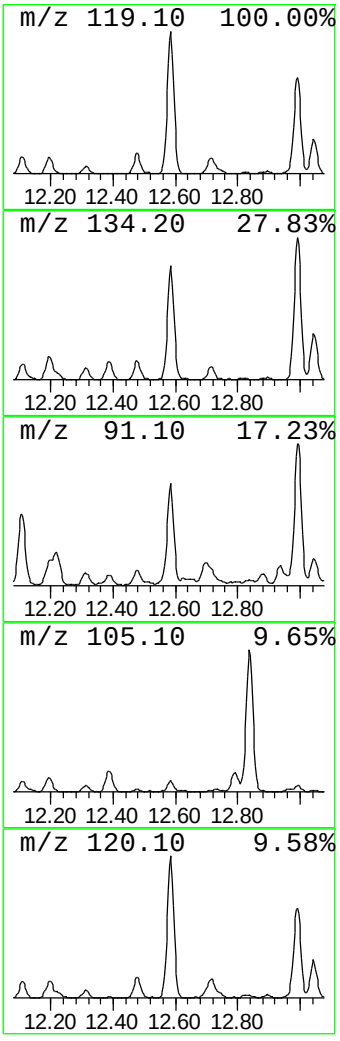
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 17 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.58 | 2.22 ug/L | 690024 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14 | 000934-80-5 | 96 |
| 2 | Benzene, 2-ethyl-1,3-dimethyl- | 134 | C10H14 | 002870-04-4 | 95 |
| 3 | o-Cymene | 134 | C10H14 | 000527-84-4 | 95 |
| 4 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 95 |
| 5 | Benzene, 1-ethyl-2,4-dimethyl- | 134 | C10H14 | 000874-41-9 | 94 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052720\
Data File : VU038326.D
Acq On : 27 May 2020 17:19
Operator : JC/MD
Sample : L2749-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BE4X3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

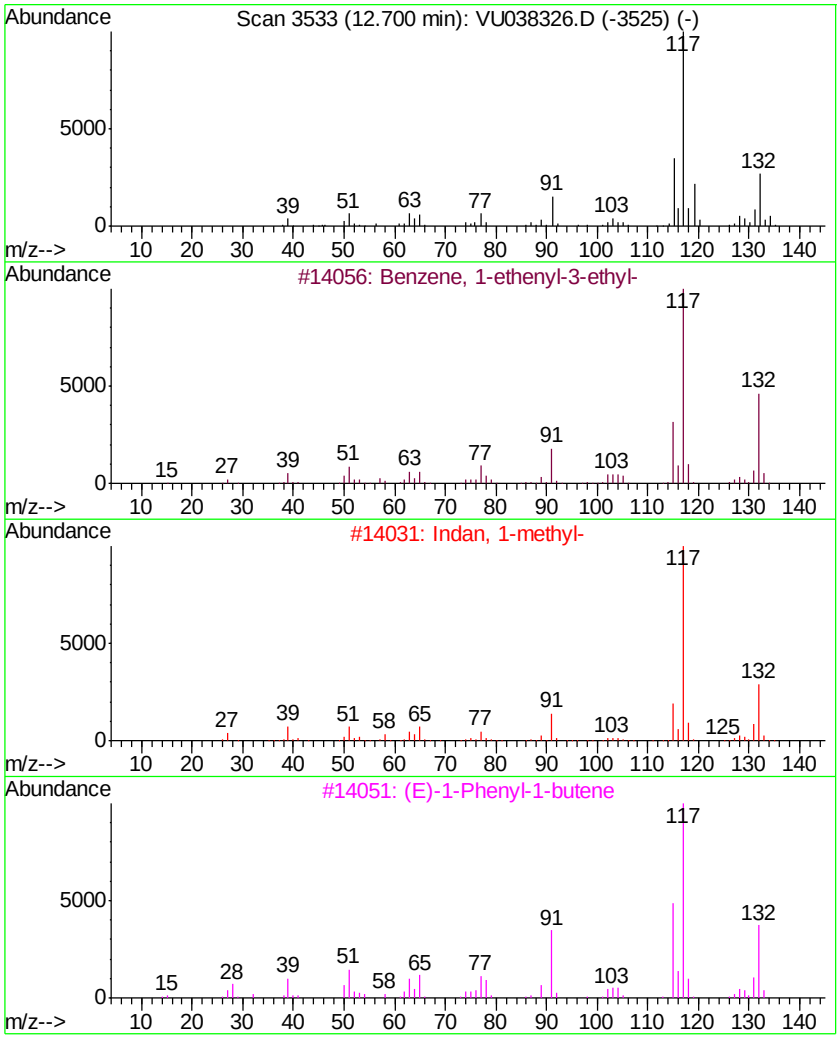
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

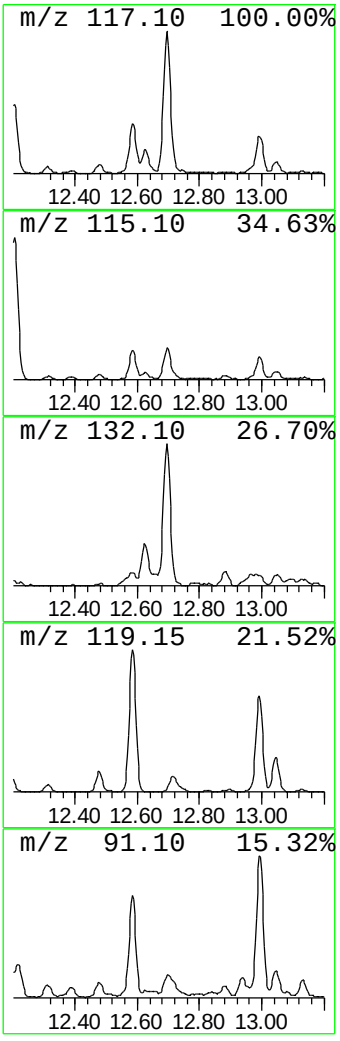
**********

Peak Number 18 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 26

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.70 | 0.96 ug/L | 297923 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethenyl-3-ethyl- | 132 | C10H12 | 007525-62-4 | 87 |
| 2 | Indan, 1-methyl- | 132 | C10H12 | 000767-58-8 | 87 |
| 3 | (E)-1-Phenyl-1-butene | 132 | C10H12 | 001005-64-7 | 83 |
| 4 | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12 | 001587-04-8 | 83 |
| 5 | 1H-Indene, 2,3-dihydro-2-methyl- | 132 | C10H12 | 000824-63-5 | 83 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052720\
Data File : VU038326.D
Acq On : 27 May 2020 17:19
Operator : JC/MD
Sample : L2749-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BE4X3

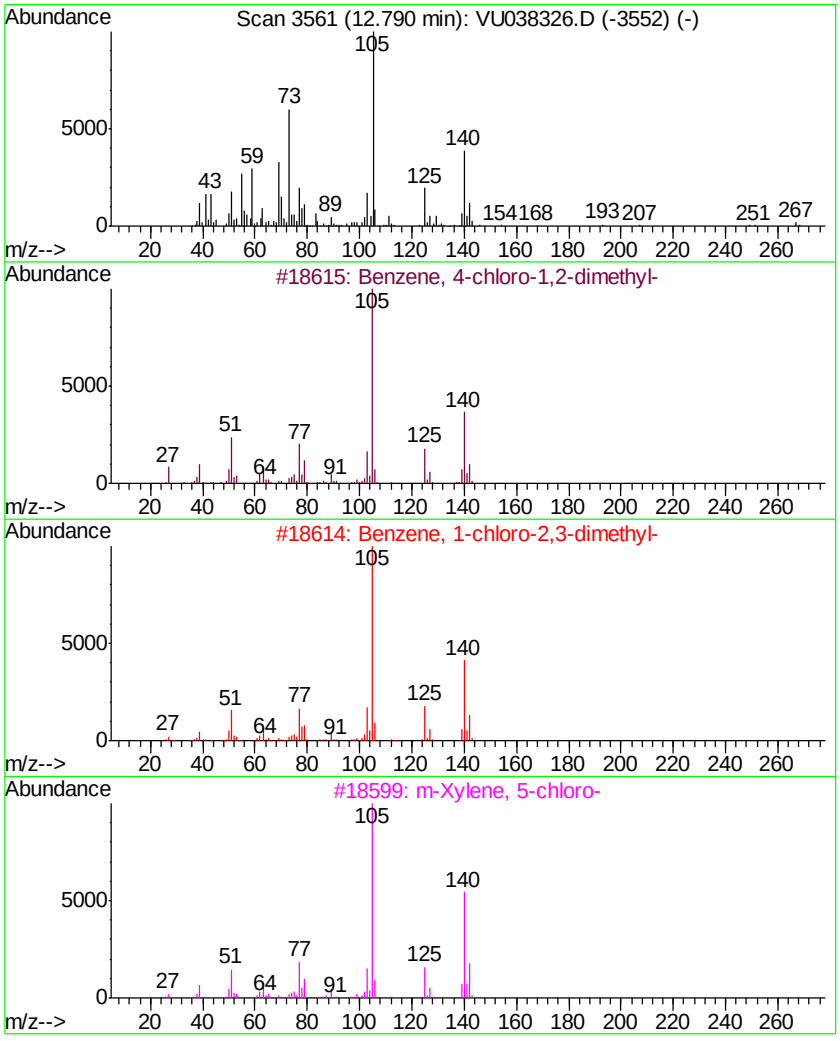
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

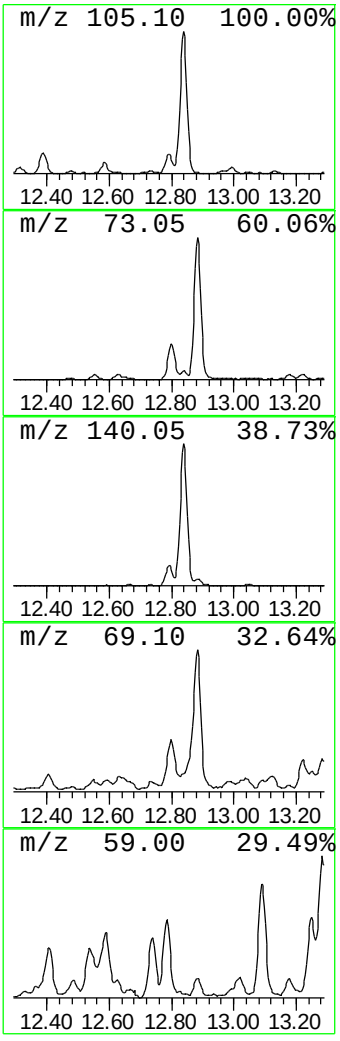
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 19 Benzene, 4-chloro-1,2-dimet... Concentration Rank 22

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.79 | 1.16 ug/L | 360741 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 4-chloro-1,2-dimethyl- | 140 | C8H9Cl | 000615-60-1 | 96 |
| 2 | Benzene, 1-chloro-2,3-dimethyl- | 140 | C8H9Cl | 000608-23-1 | 96 |
| 3 | m-Xylene, 5-chloro- | 140 | C8H9Cl | 000556-97-8 | 95 |
| 4 | Benzene, 2-chloro-1,3-dimethyl- | 140 | C8H9Cl | 006781-98-2 | 92 |
| 5 | Benzene, 2-chloro-1,3-dimethyl- | 140 | C8H9Cl | 006781-98-2 | 91 |



Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052720\
Data File : VU038326.D
Acq On : 27 May 2020 17:19
Operator : JC/MD
Sample : L2749-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BE4X3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

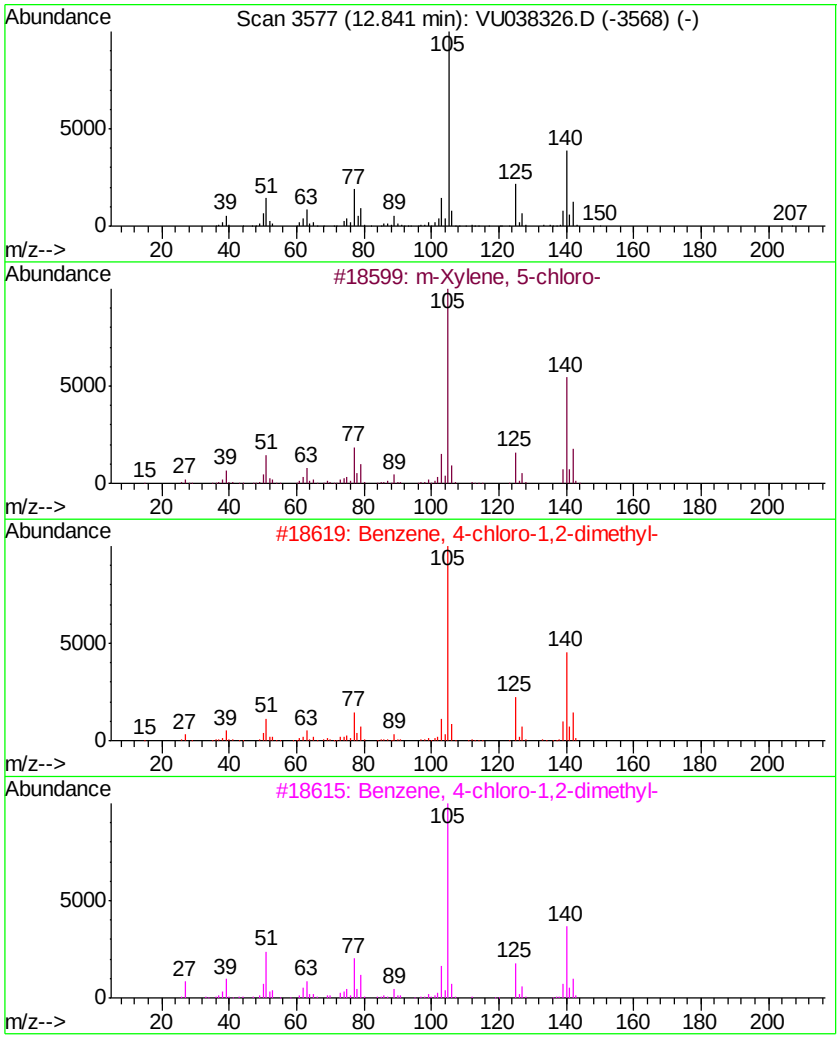
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

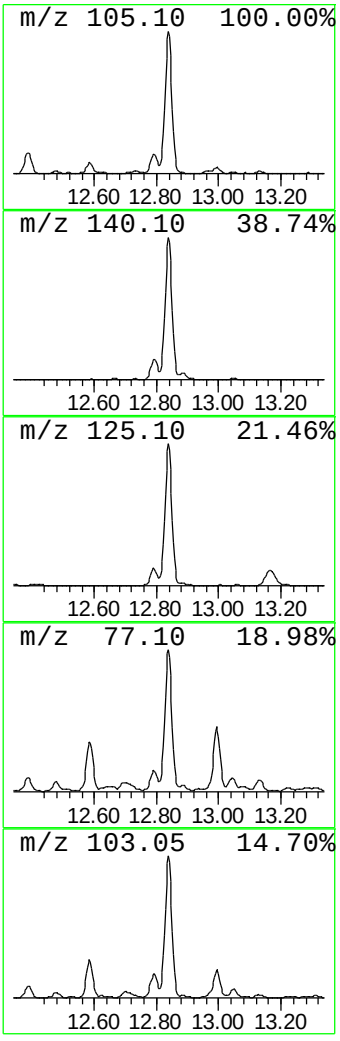
**********

Peak Number 20 m-Xylene, 5-chloro- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.84 | 4.15 ug/L | 1291050 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | m-Xylene, 5-chloro- | 140 | C8H9Cl | 000556-97-8 | 96 |
| 2 | Benzene, 4-chloro-1,2-dimethyl- | 140 | C8H9Cl | 000615-60-1 | 95 |
| 3 | Benzene, 4-chloro-1,2-dimethyl- | 140 | C8H9Cl | 000615-60-1 | 94 |
| 4 | Benzene, 1-chloro-2,3-dimethyl- | 140 | C8H9Cl | 000608-23-1 | 94 |
| 5 | Benzene, 4-chloro-1,2-dimethyl- | 140 | C8H9Cl | 000615-60-1 | 94 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052720\
Data File : VU038326.D
Acq On : 27 May 2020 17:19
Operator : JC/MD
Sample : L2749-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BE4X3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

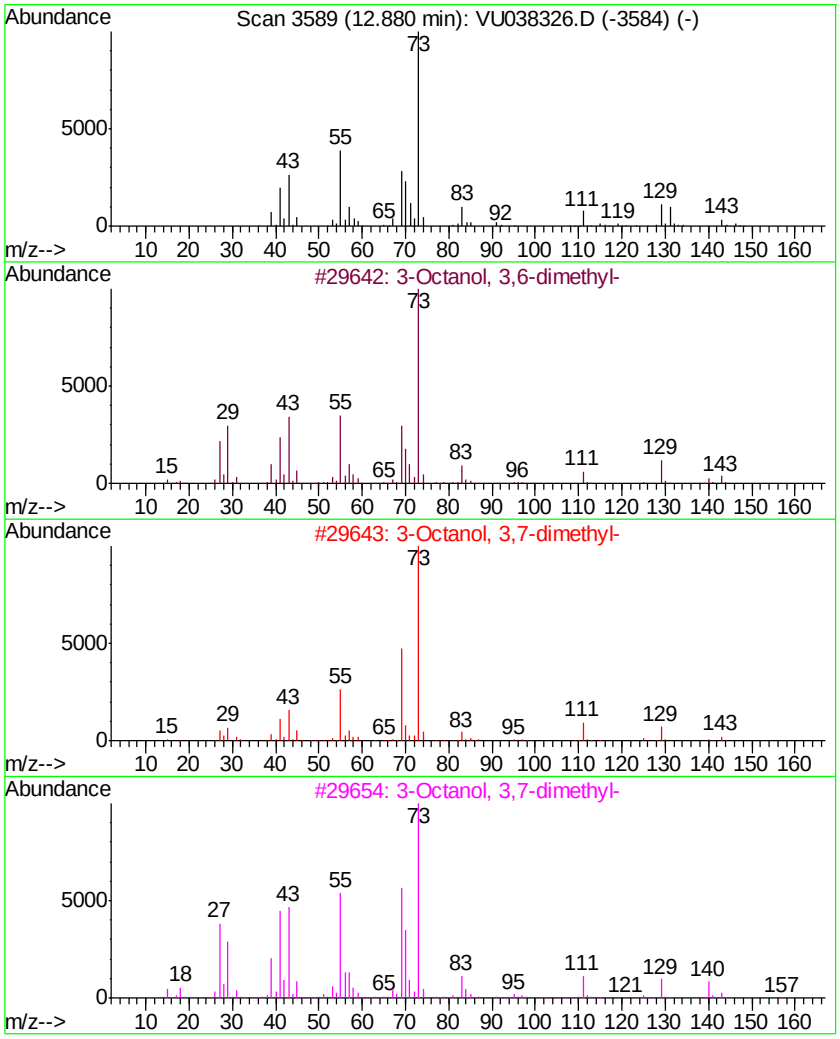
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

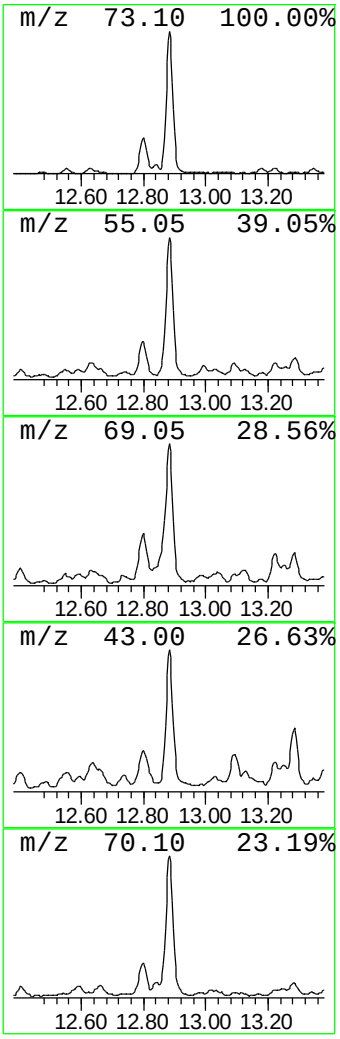
**********

Peak Number 21 3-Octanol, 3,6-dimethyl- Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.88 | 2.01 ug/L | 624759 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Octanol, 3,6-dimethyl- | 158 | C10H22O | 000151-19-9 | 86 |
| 2 | 3-Octanol, 3,7-dimethyl- | 158 | C10H22O | 000078-69-3 | 37 |
| 3 | 3-Octanol, 3,7-dimethyl- | 158 | C10H22O | 000078-69-3 | 37 |
| 4 | 3-Octanol, 3,7-dimethyl- | 158 | C10H22O | 000078-69-3 | 32 |
| 5 | 3-Dodecanol, 3,7,11-trimethyl- | 228 | C15H32O | 007278-65-1 | 25 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052720\
Data File : VU038326.D
Acq On : 27 May 2020 17:19
Operator : JC/MD
Sample : L2749-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BE4X3

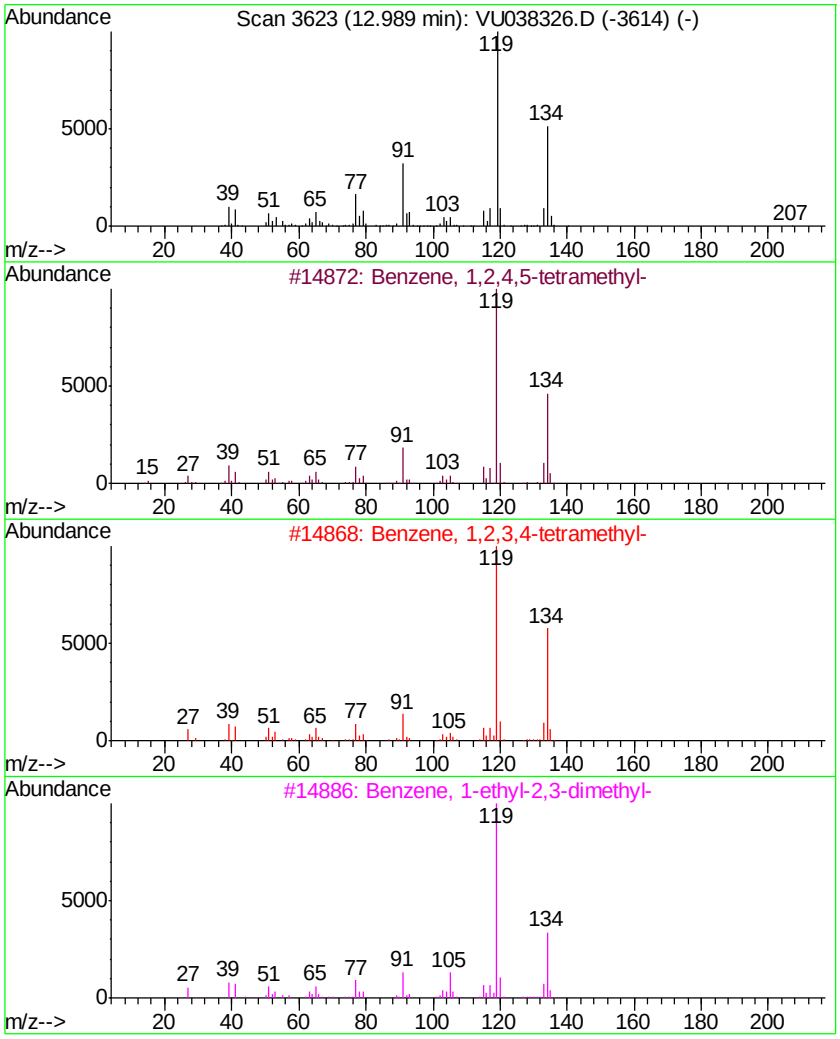
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

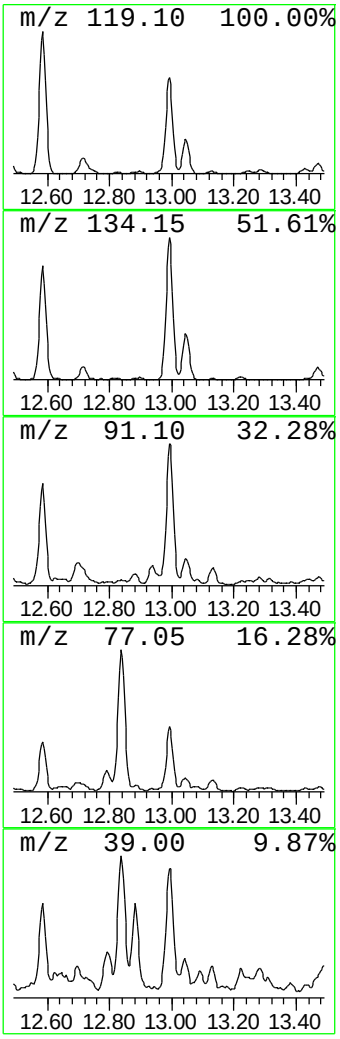
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 22 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.99 | 2.10 ug/L | 652869 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 93 |
| 2 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 93 |
| 3 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 91 |
| 4 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 91 |
| 5 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 91 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052720\
Data File : VU038326.D
Acq On : 27 May 2020 17:19
Operator : JC/MD
Sample : L2749-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BE4X3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

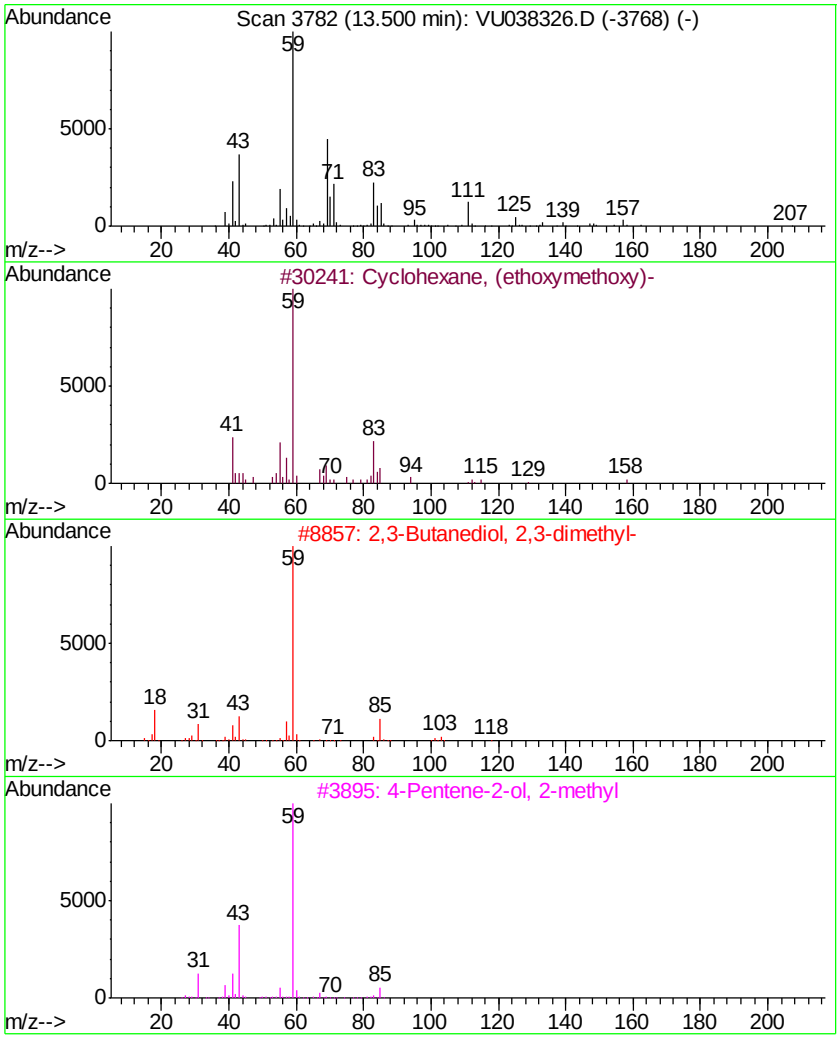
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

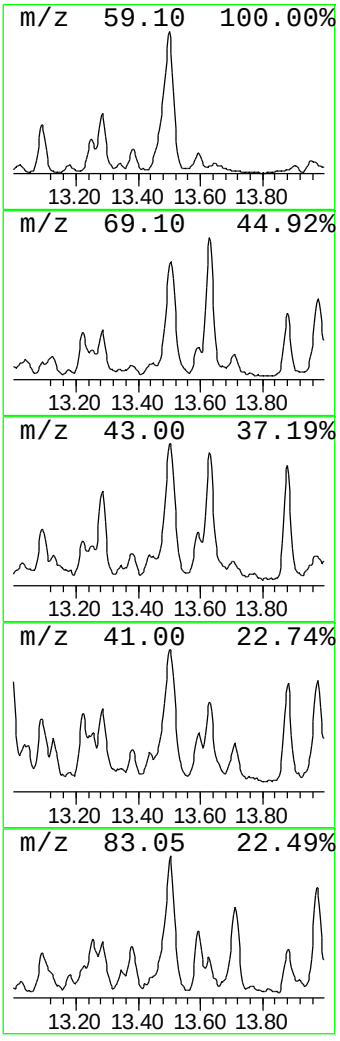
**********

Peak Number 23 unknown-03 Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.50 | 1.83 ug/L | 567356 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, (ethoxymethoxy)- | 158 | C9H18O2 | 054699-29-5 | 42 |
| 2 | 2,3-Butanediol, 2,3-dimethyl- | 118 | C6H14O2 | 000076-09-5 | 37 |
| 3 | 4-Pentene-2-ol, 2-methyl | 100 | C6H12O | 000624-97-5 | 37 |
| 4 | 3-Methyl-6-ethyl--2,4-dioxadecane | 188 | C11H24O2 | 1000334-83-2 | 32 |
| 5 | 2-Hexanol, 2,3-dimethyl- | 130 | C8H18O | 019550-03-9 | 32 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052720\
Data File : VU038326.D
Acq On : 27 May 2020 17:19
Operator : JC/MD
Sample : L2749-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BE4X3

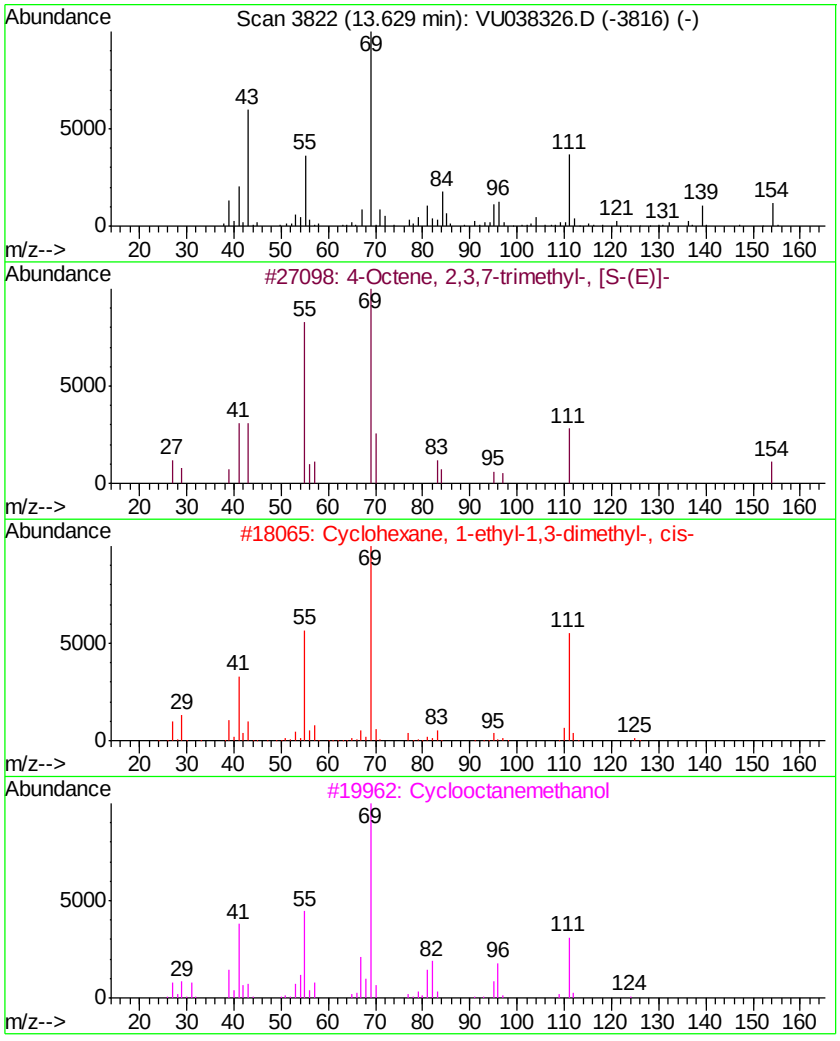
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

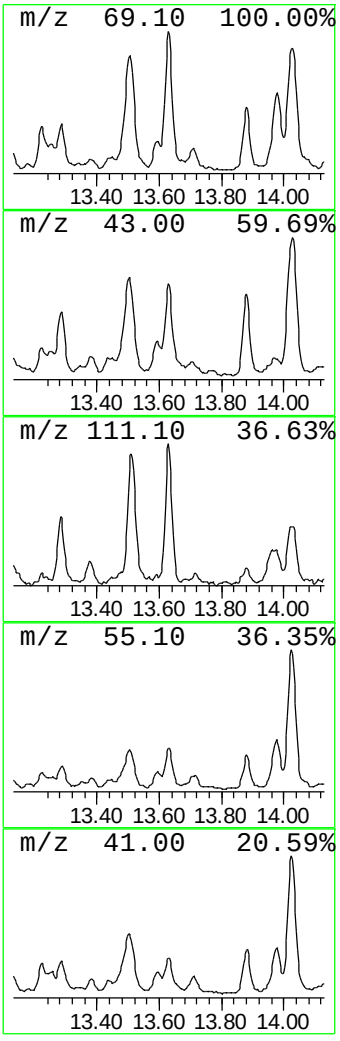
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 32

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.63 | 0.77 ug/L | 238264 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4-Octene, 2,3,7-trimethyl-, [S-(... | 154 | C11H22 | 052763-13-0 | 59 |
| 2 | Cyclohexane, 1-ethyl-1,3-dimethy... | 140 | C10H20 | 062238-31-7 | 50 |
| 3 | Cyclooctanemethanol | 142 | C9H18O | 003637-63-6 | 45 |
| 4 | Cyclooctanemethanol | 142 | C9H18O | 003637-63-6 | 42 |
| 5 | Cyclohexane, 1,2,4-trimethyl- | 126 | C9H18 | 002234-75-5 | 42 |



Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052720\
Data File : VU038326.D
Acq On : 27 May 2020 17:19
Operator : JC/MD
Sample : L2749-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BE4X3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

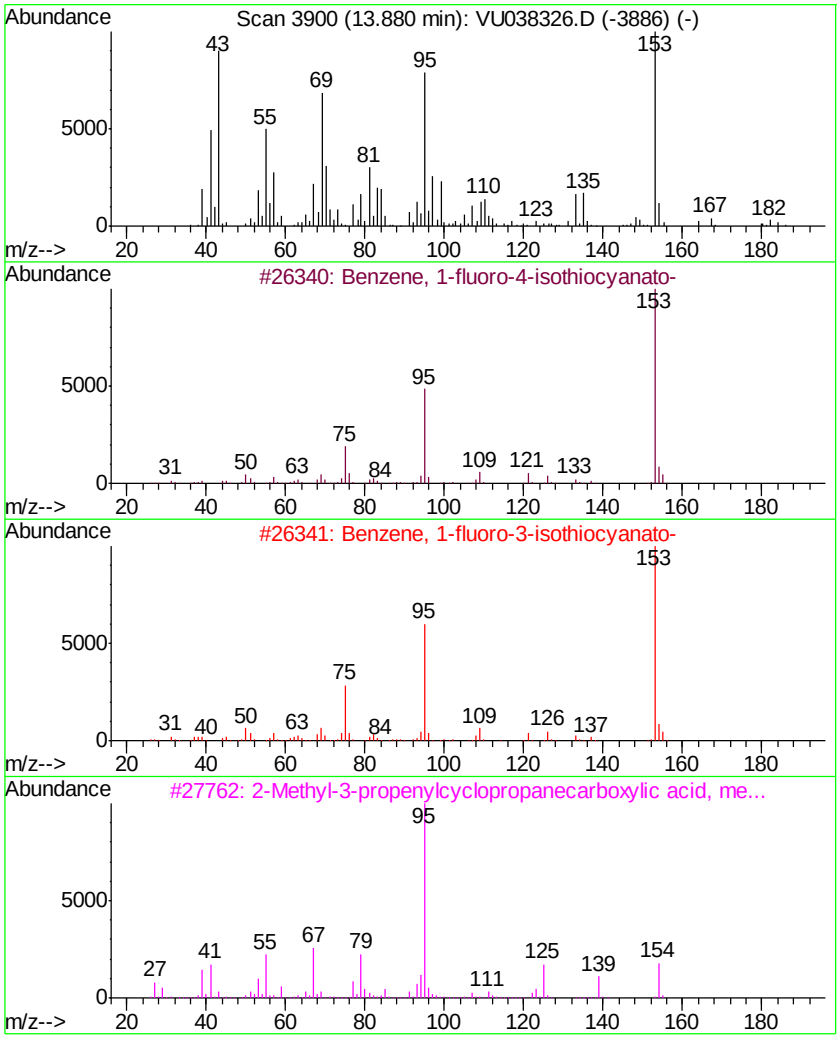
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

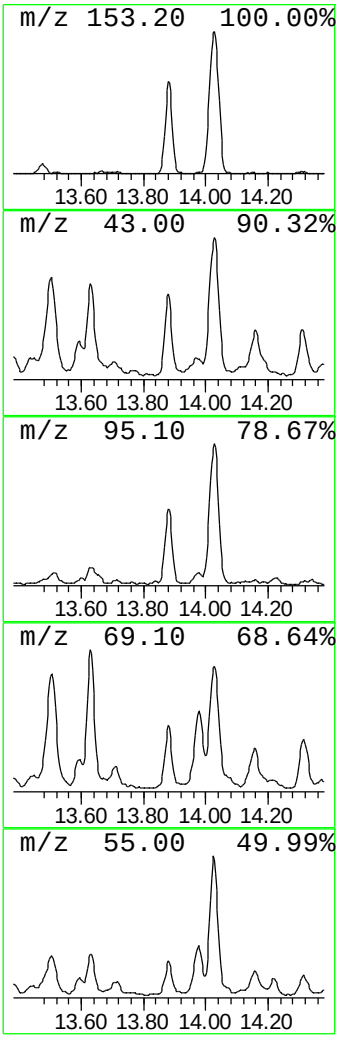
**********

Peak Number 25 Benzene, 1-fluoro-4-isothio... Concentration Rank 21

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.88 | 1.19 ug/L | 371353 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-fluoro-4-isothiocyanato- | 153 | C7H4FNS | 001544-68-9 | 50 |
| 2 | Benzene, 1-fluoro-3-isothiocyanato- | 153 | C7H4FNS | 000404-72-8 | 50 |
| 3 | 2-Methyl-3-propenylcyclopropanec... | 154 | C9H14O2 | 118316-01-1 | 35 |
| 4 | 1-Methyl-4-ethylaminocytosine | 153 | C7H11N3O | 092876-77-2 | 35 |
| 5 | Benzenamine, 2,4-dimethoxy- | 153 | C8H11NO2 | 002735-04-8 | 30 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052720\
Data File : VU038326.D
Acq On : 27 May 2020 17:19
Operator : JC/MD
Sample : L2749-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BE4X3

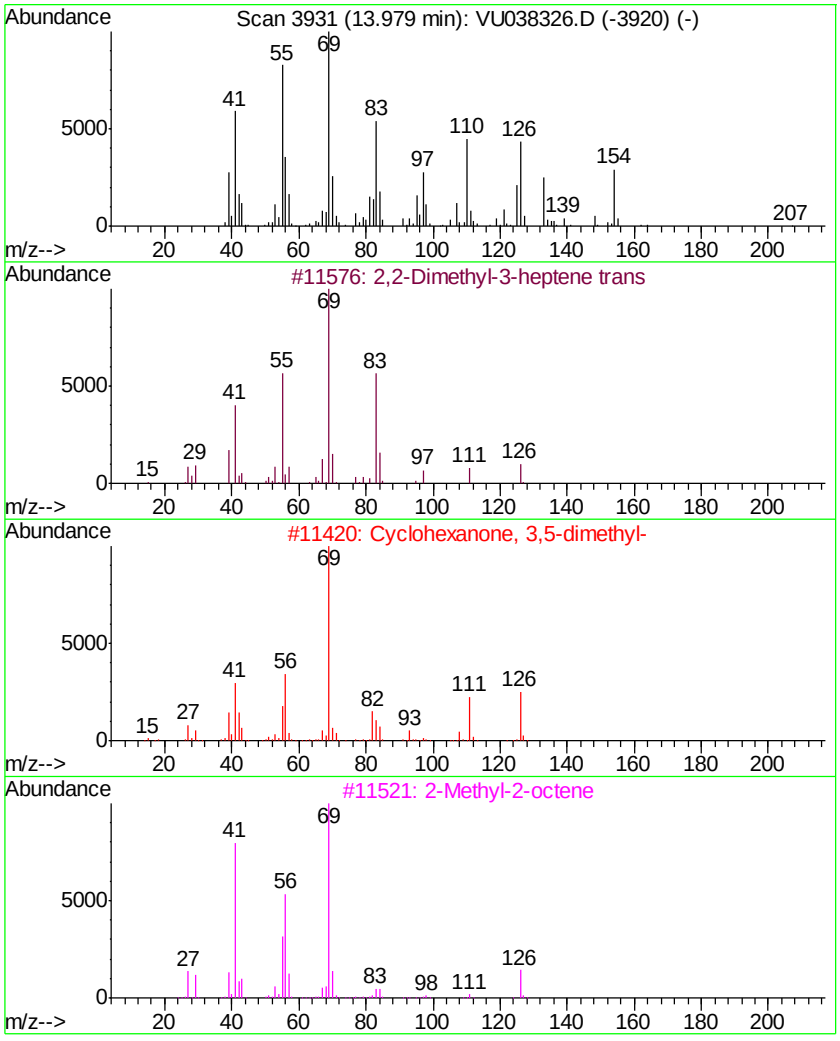
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

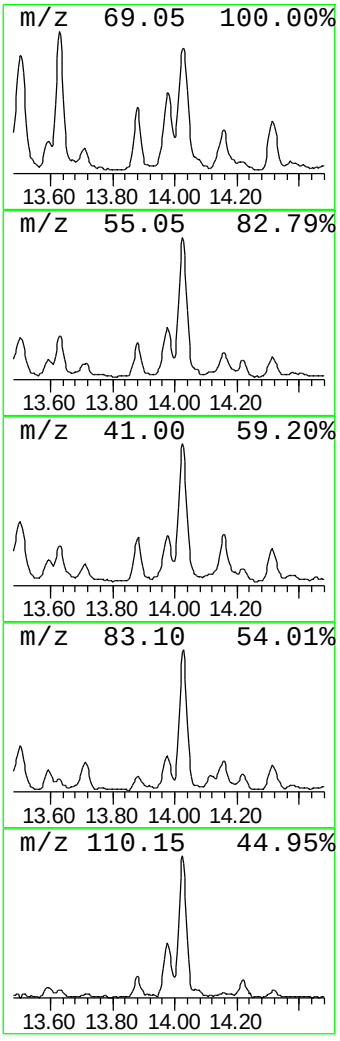
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 33

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.98 | 0.69 ug/L | 213308 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,2-Dimethyl-3-heptene trans | 126 | C9H18 | 019550-75-5 | 43 |
| 2 | Cyclohexanone, 3,5-dimethyl- | 126 | C8H14O | 002320-30-1 | 38 |
| 3 | 2-Methyl-2-octene | 126 | C9H18 | 016993-86-5 | 38 |
| 4 | Cyclohexane, 1,1,3,5-tetramethyl... | 140 | C10H20 | 050876-31-8 | 35 |
| 5 | Cyclopentane, butyl- | 126 | C9H18 | 002040-95-1 | 30 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052720\
Data File : VU038326.D
Acq On : 27 May 2020 17:19
Operator : JC/MD
Sample : L2749-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BE4X3

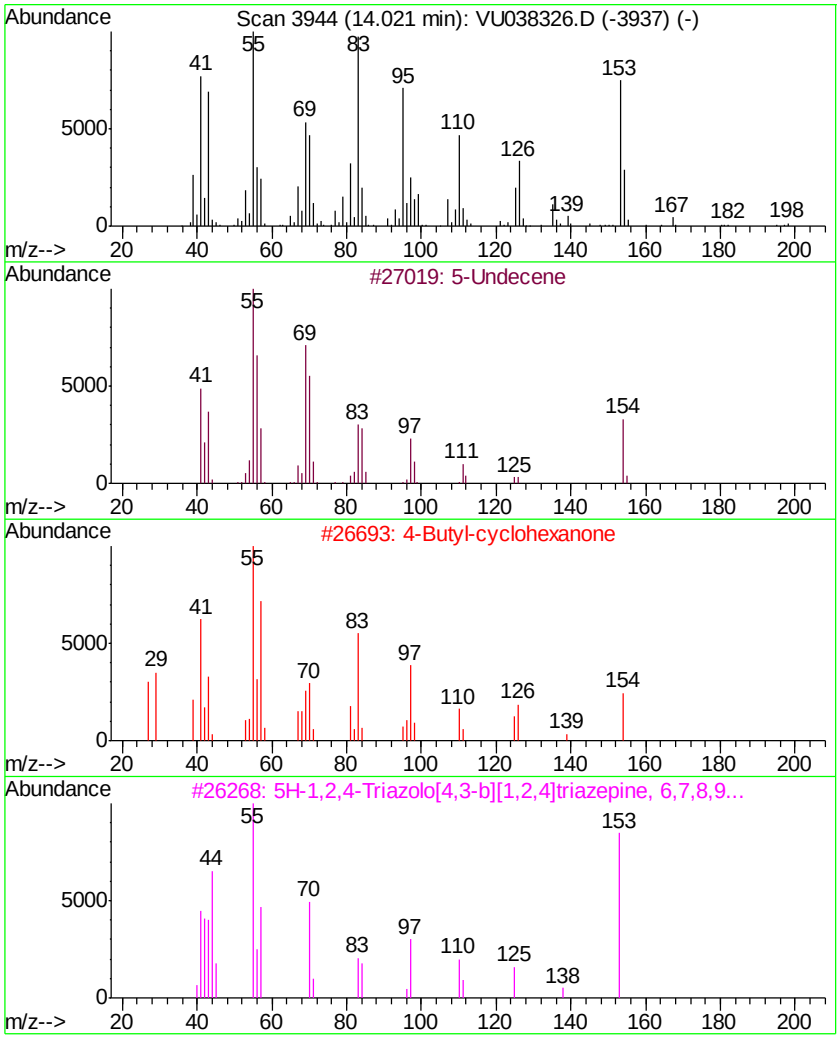
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

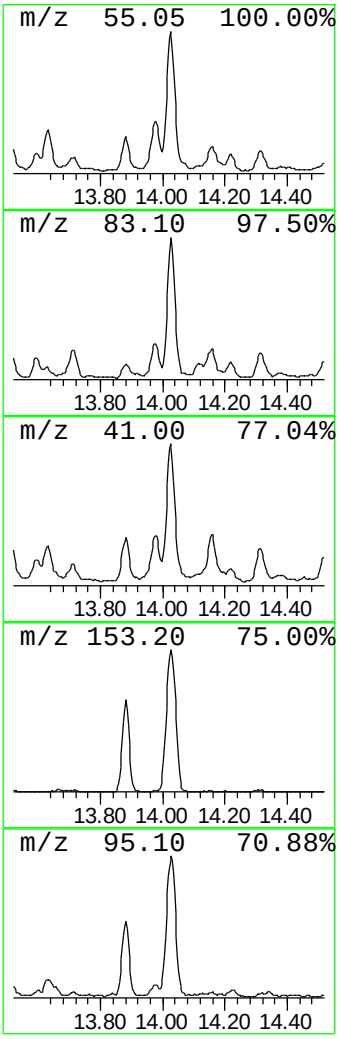
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.02 | 2.70 ug/L | 839647 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 5-Undecene | 154 | C11H22 | 004941-53-1 | 70 |
| 2 | 4-Butyl-cyclohexanone | 154 | C10H18O | 061203-82-5 | 60 |
| 3 | 5H-1,2,4-Triazolo[4,3-b][1,2,4]t... | 153 | C6H11N5 | 062170-16-5 | 46 |
| 4 | 4-Nonene | 126 | C9H18 | 002198-23-4 | 30 |
| 5 | Cyclohexanone, 2,6-diethyl- | 154 | C10H18O | 016519-68-9 | 30 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052720\
Data File : VU038326.D
Acq On : 27 May 2020 17:19
Operator : JC/MD
Sample : L2749-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BE4X3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

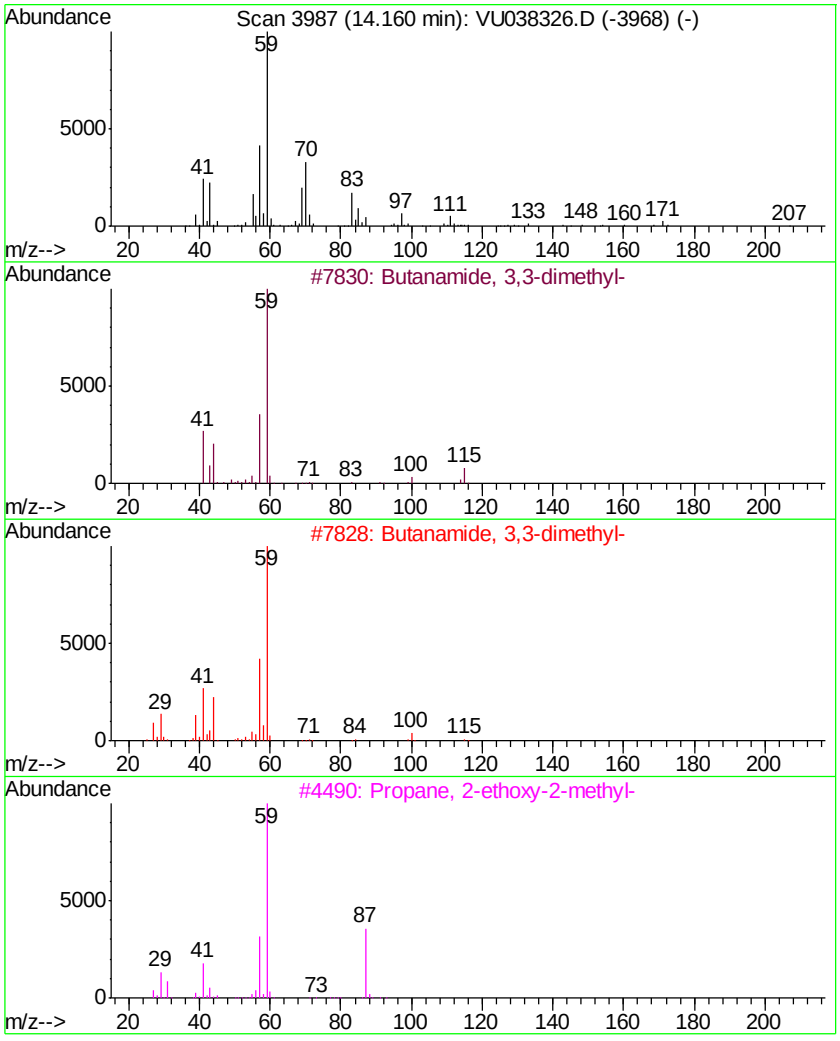
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

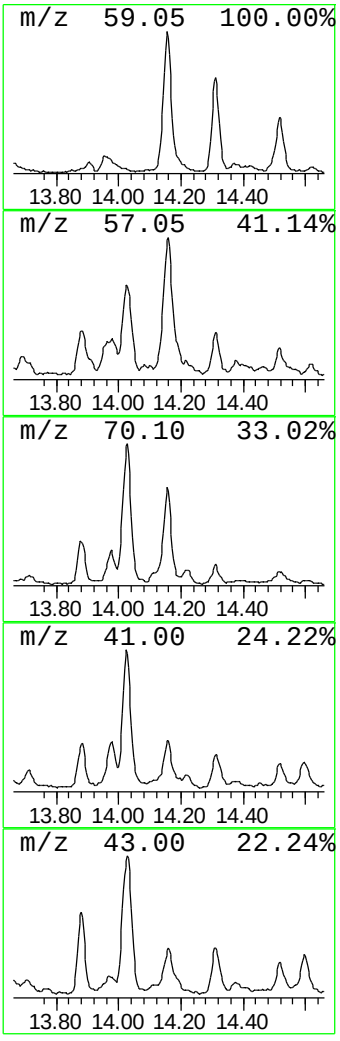
**********

Peak Number 28 unknown-04 Concentration Rank 29

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.16 | 0.83 ug/L | 257903 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butanamide, 3,3-dimethyl- | 115 | C6H13NO | 000926-04-5 | 46 |
| 2 | Butanamide, 3,3-dimethyl- | 115 | C6H13NO | 000926-04-5 | 43 |
| 3 | Propane, 2-ethoxy-2-methyl- | 102 | C6H14O | 000637-92-3 | 43 |
| 4 | 2-Hydroxy-2,6-dimethyl-hept-6-en... | 156 | C9H16O2 | 001068-82-2 | 42 |
| 5 | 2-Hexanol, 2,3-dimethyl- | 130 | C8H18O | 019550-03-9 | 42 |



Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052720\
Data File : VU038326.D
Acq On : 27 May 2020 17:19
Operator : JC/MD
Sample : L2749-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BE4X3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

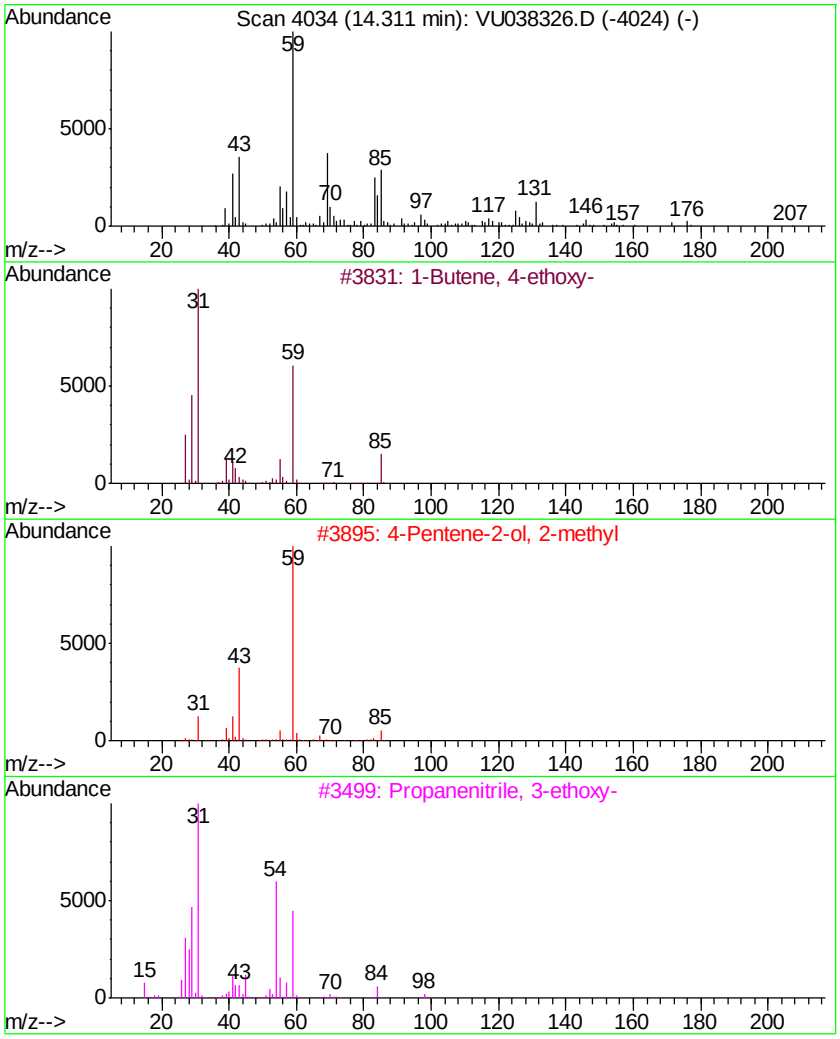
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

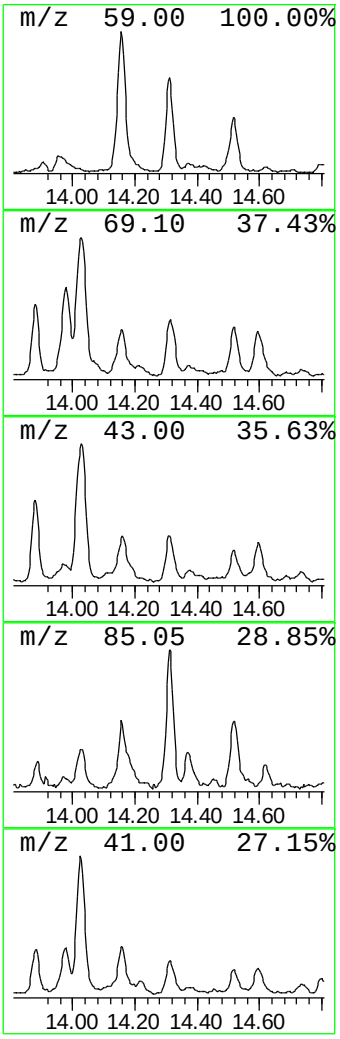
**********

Peak Number 29 unknown-05 Concentration Rank 28

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.31 | 0.85 ug/L | 263502 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Butene, 4-ethoxy- | 100 | C6H12O | 044611-46-3 | 47 |
| 2 | 4-Pentene-2-ol, 2-methyl | 100 | C6H12O | 000624-97-5 | 43 |
| 3 | Propanenitrile, 3-ethoxy- | 99 | C5H9NO | 002141-62-0 | 43 |
| 4 | 2-Pentanol, 5-methoxy-2-methyl- | 132 | C7H16O2 | 055724-04-4 | 40 |
| 5 | 1-(2-Methoxyethoxy)-2-methyl-2-p... | 260 | C9H15ClF2O4 | 1000376-27-3 | 38 |



# Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052720\
Data File : VU038326.D
Acq On : 27 May 2020 17:19
Operator : JC/MD
Sample : L2749-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BE4X3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

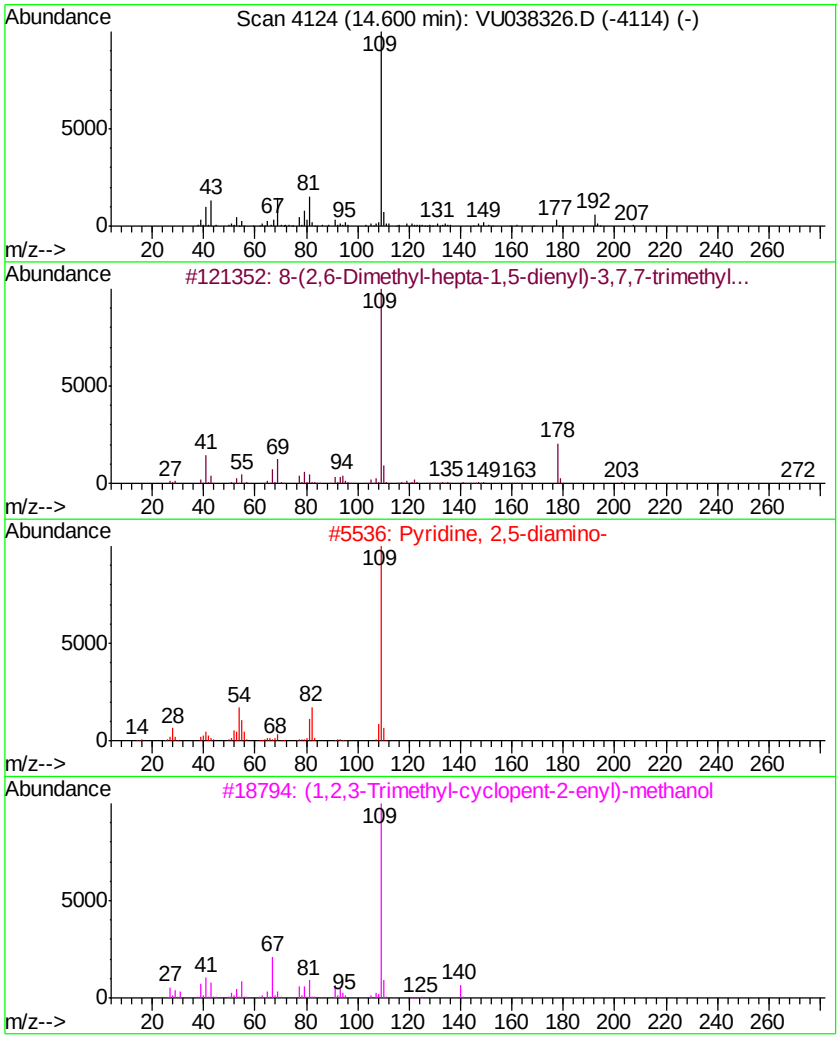
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

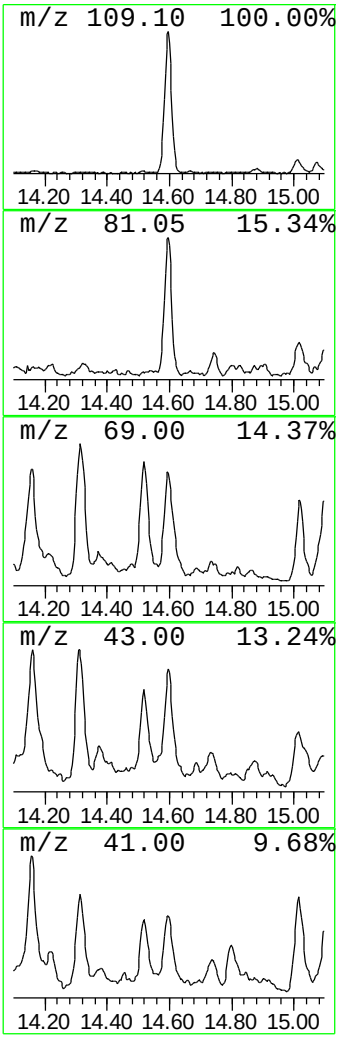
**********

Peak Number 30 8-(2,6-Dimethyl-hepta-1,5-d... Concentration Rank 30

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.60 | 0.80 ug/L | 248687 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 8-(2,6-Dimethyl-hepta-1,5-dienyl... | 272 | C20H32 | 113725-56-7 | 64 |
| 2 | Pyridine, 2,5-diamino- | 109 | C5H7N3 | 004318-76-7 | 64 |
| 3 | (1,2,3-Trimethyl-cyclopent-2-eny... | 140 | C9H16O | 1000190-91-3 | 59 |
| 4 | 7-(2,6-Dimethyl-hepta-1,5-dienyl... | 272 | C20H32 | 1000190-62-8 | 50 |
| 5 | 1,10-Dimethyl-2-methylene-trans-... | 178 | C13H22 | 1000103-97-8 | 50 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052720\
Data File : VU038326.D
Acq On : 27 May 2020 17:19
Operator : JC/MD
Sample : L2749-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BE4X3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

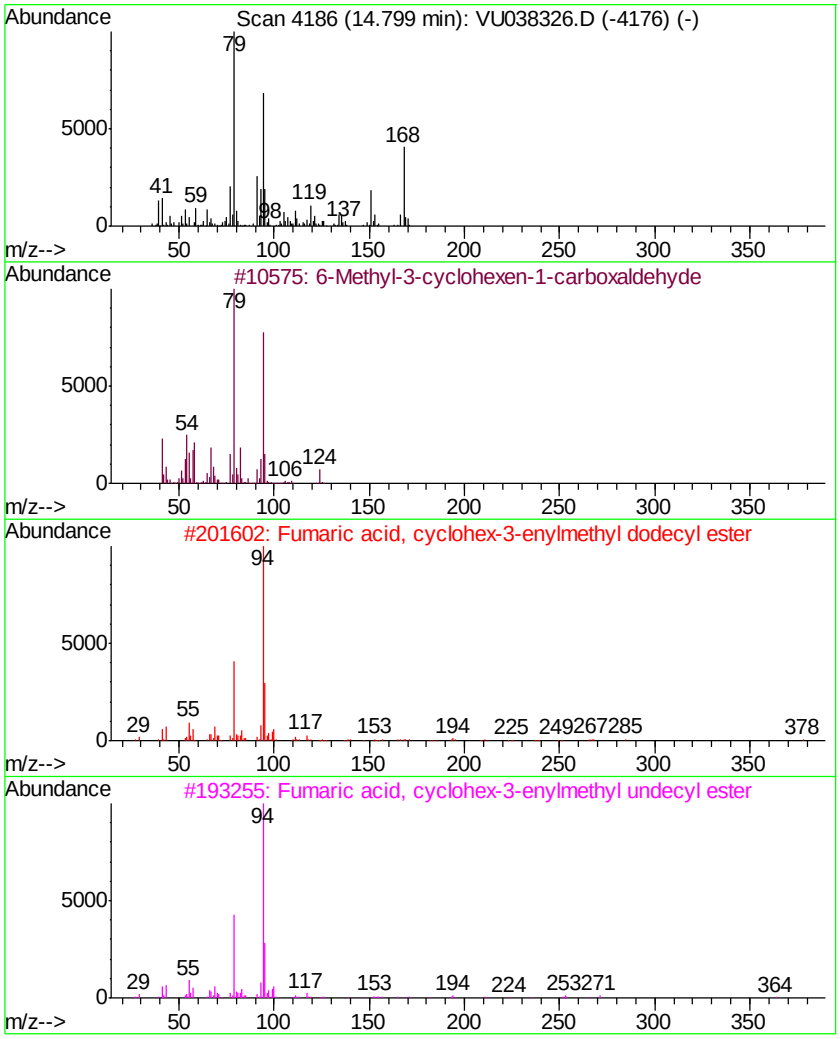
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

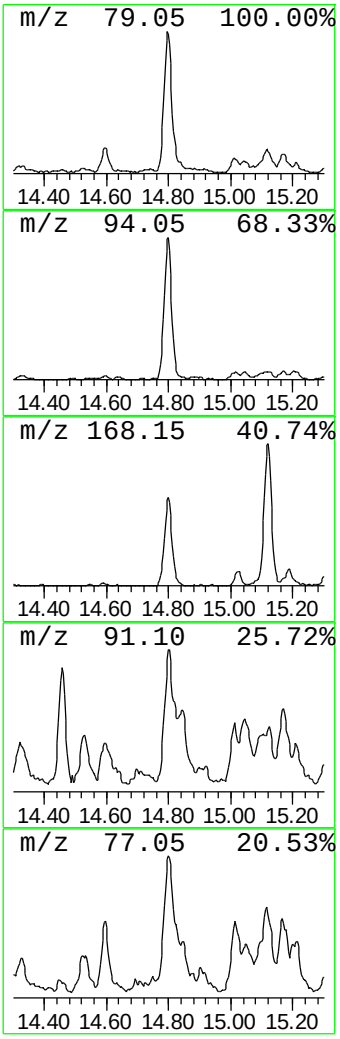
**********

Peak Number 31 unknown-06 Concentration Rank 25

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.80 | 0.98 ug/L | 303076 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 6-Methyl-3-cyclohexen-1-carboxal... | 124 | C8H12O | 1000132-13-3 | 47 |
| 2 | Fumaric acid, cyclohex-3-enylmet... | 378 | C23H38O4 | 1000345-14-8 | 43 |
| 3 | Fumaric acid, cyclohex-3-enylmet... | 364 | C22H36O4 | 1000345-14-7 | 43 |
| 4 | Cyclopentane, 1,3-bis(methylene)- | 94 | C7H10 | 059219-48-6 | 43 |
| 5 | 1,3-Cyclopentadiene, 1,2-dimethyl- | 94 | C7H10 | 004784-86-5 | 43 |



Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052720\
Data File : VU038326.D
Acq On : 27 May 2020 17:19
Operator : JC/MD
Sample : L2749-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BE4X3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

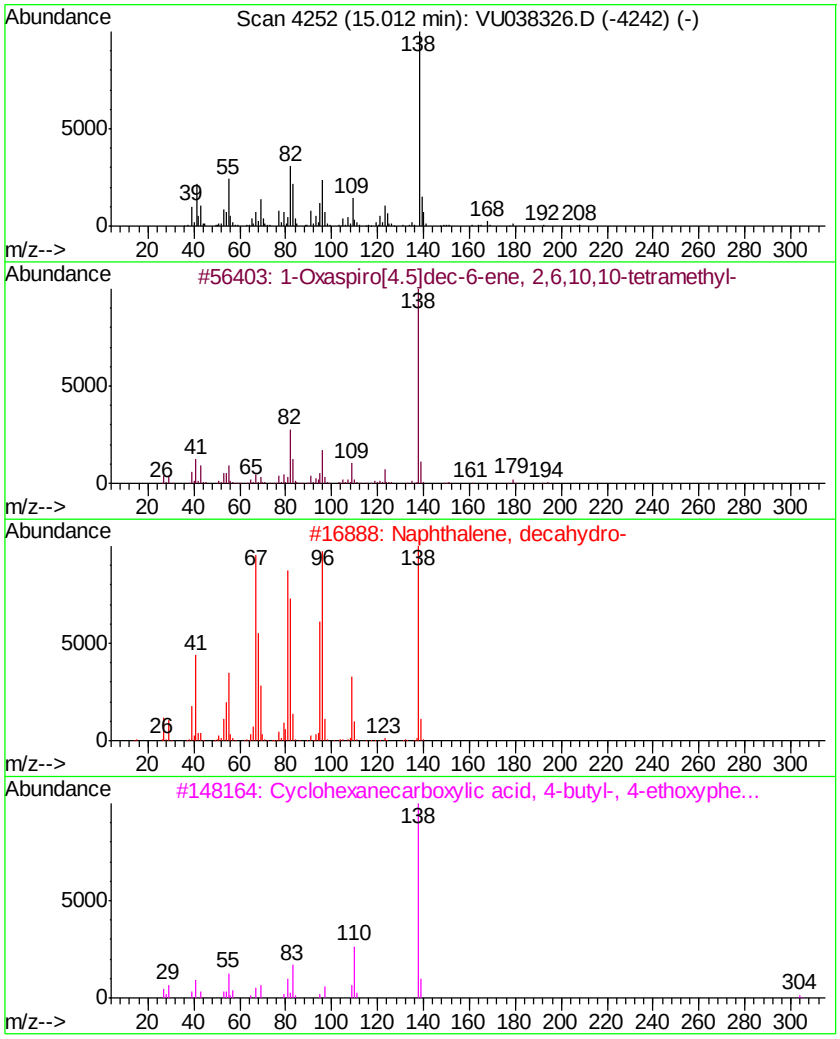
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

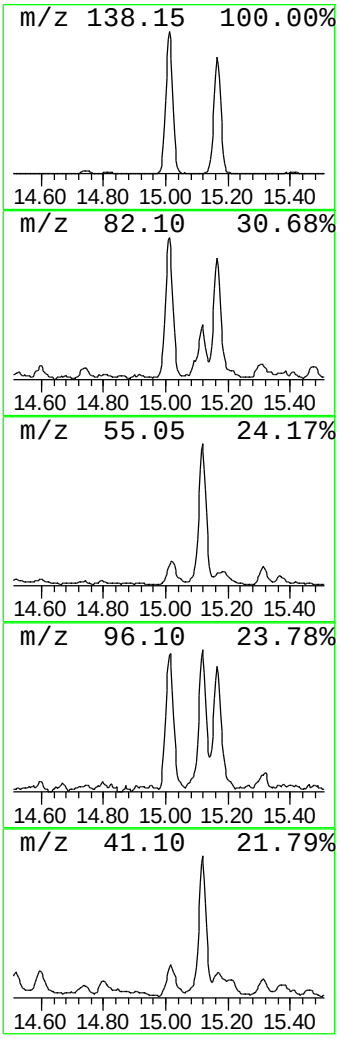
**********

Peak Number 32 1-Oxaspiro[4.5]dec-6-ene, 2... Concentration Rank 23

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.01 | 1.14 ug/L | 353447 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Oxaspiro[4.5]dec-6-ene, 2,6,10... | 194 | C13H22O | 036431-72-8 | 56 |
| 2 | Naphthalene, decahydro- | 138 | C10H18 | 000091-17-8 | 53 |
| 3 | Cyclohexanecarboxylic acid, 4-bu... | 304 | C19H28O3 | 067589-47-3 | 50 |
| 4 | 1-Cyclohexen-3,5-dione, 6-ethyl- | 138 | C8H10O2 | 1000132-52-4 | 46 |
| 5 | Benzene, 1-methyl-4-(methylthio)- | 138 | C8H10S | 000623-13-2 | 43 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052720\
Data File : VU038326.D
Acq On : 27 May 2020 17:19
Operator : JC/MD
Sample : L2749-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BE4X3

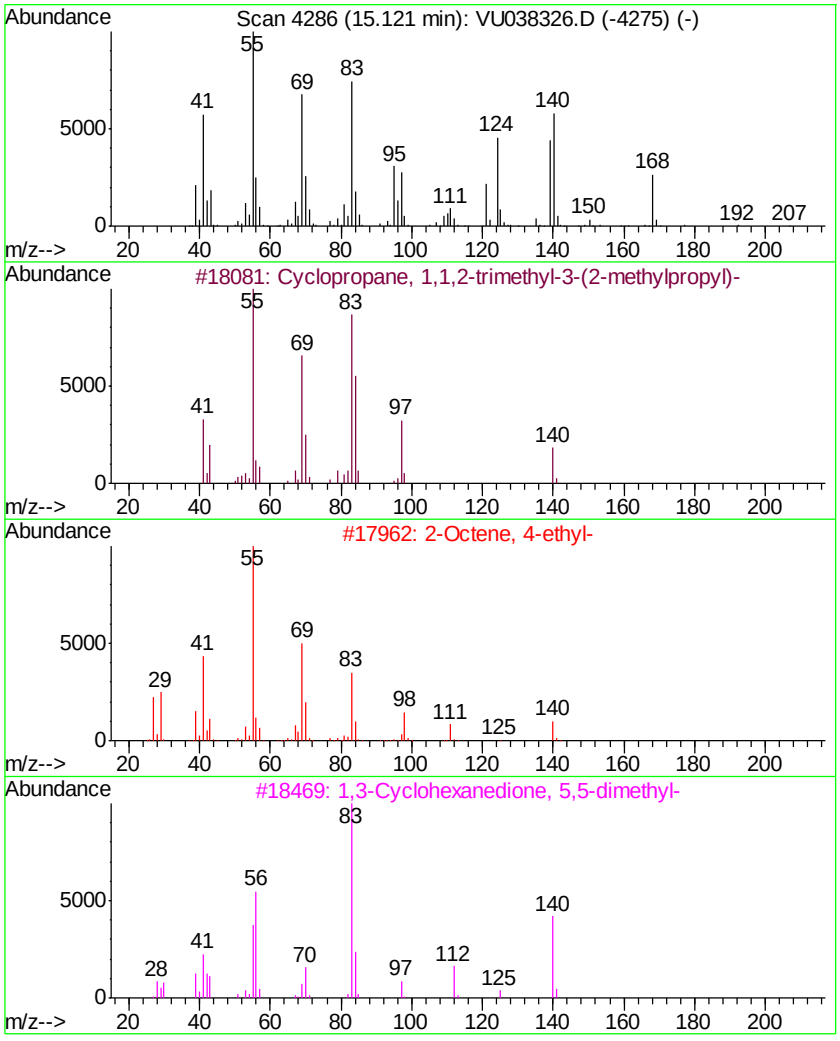
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

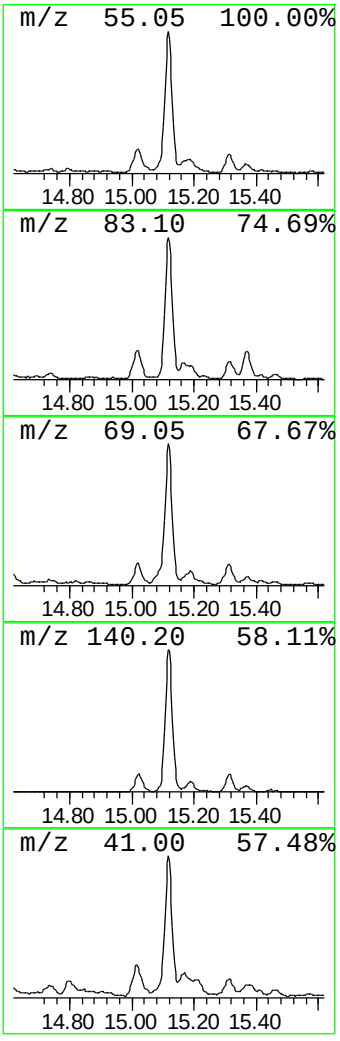
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 33 (DEL) Alkane: Cyclic15.12 Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.12 | 2.21 ug/L | 687995 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopropane, 1,1,2-trimethyl-3-... | 140 | C10H20 | 041977-43-9 | 46 |
| 2 | 2-Octene, 4-ethyl- | 140 | C10H20 | 053966-52-2 | 43 |
| 3 | 1,3-Cyclohexanedione, 5,5-dimethyl- | 140 | C8H12O2 | 000126-81-8 | 35 |
| 4 | 3,6-Diethyl-1,2-dihydro-1,2,4,5-... | 140 | C6H12N4 | 068614-65-3 | 27 |
| 5 | Pyrimidine, 2,5-dimethoxy- | 140 | C6H8N2O2 | 016290-94-1 | 25 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052720\
Data File : VU038326.D
Acq On : 27 May 2020 17:19
Operator : JC/MD
Sample : L2749-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BE4X3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

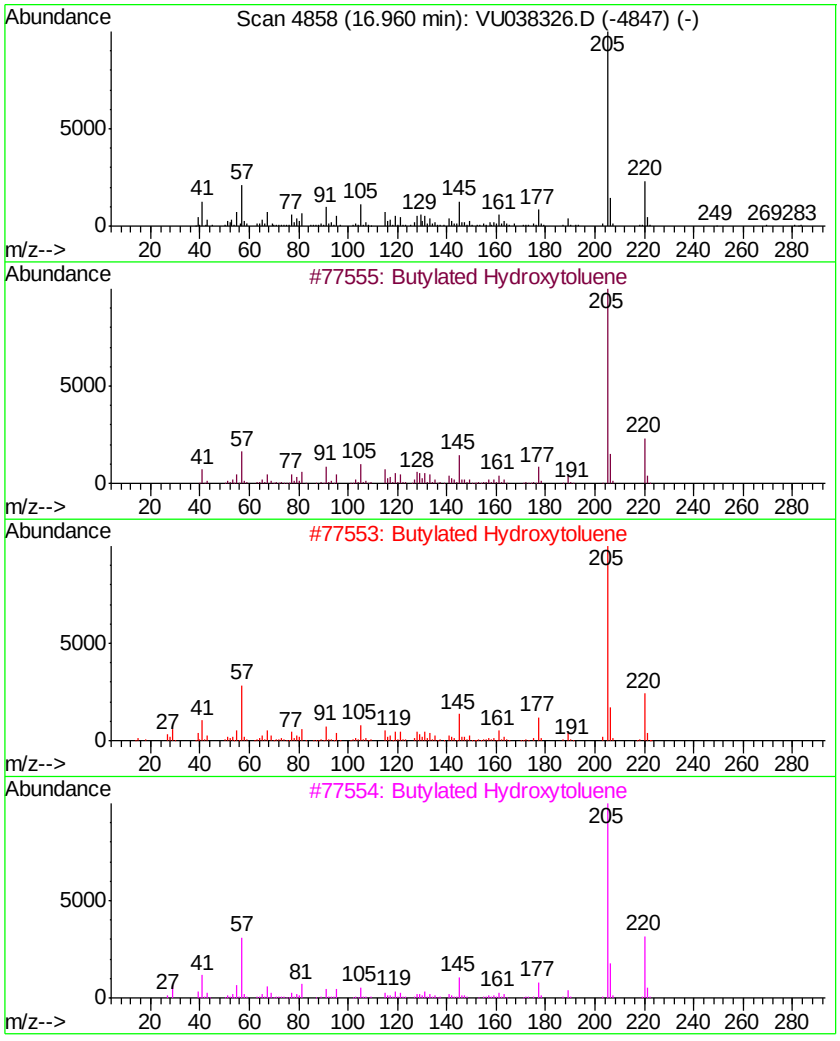
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

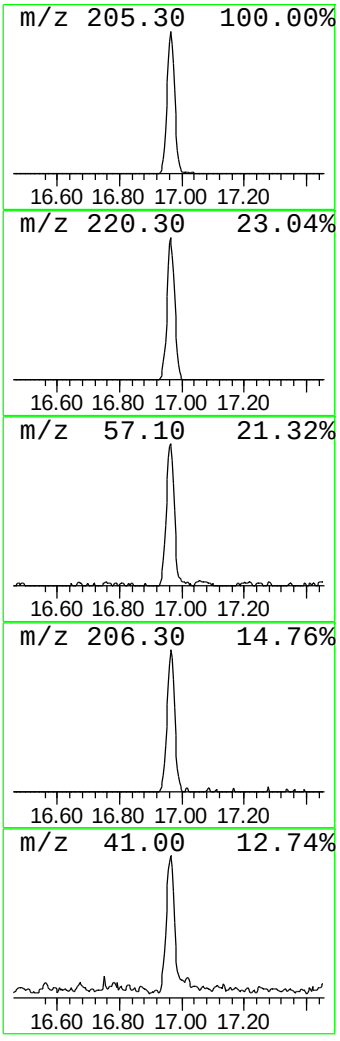
**********

Peak Number 34 Butylated Hydroxytoluene Concentration Rank 27

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.96 | 0.85 ug/L | 264807 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butylated Hydroxytoluene | 220 | C15H24O | 000128-37-0 | 99 |
| 2 | Butylated Hydroxytoluene | 220 | C15H24O | 000128-37-0 | 98 |
| 3 | Butylated Hydroxytoluene | 220 | C15H24O | 000128-37-0 | 96 |
| 4 | Butylated Hydroxytoluene | 220 | C15H24O | 000128-37-0 | 94 |
| 5 | Phenol, 2,4,6-tris(1-methylethyl)- | 220 | C15H24O | 002934-07-8 | 87 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052720\
Data File : VU038326.D
Acq On : 27 May 2020 17:19
Operator : JC/MD
Sample : L2749-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BE4X3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
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 |
| Ethyl ether | 2.40 | 39.4 | ug/L | 5692040 | 1 | 6.28 | 722003 | 5.0 |
| (DEL) Alkane: Str... | 3.11 | 1.4 | ug/L | 207349 | 1 | 6.28 | 722003 | 5.0 |
| (DEL) Alkane: Str... | 3.74 | 3.5 | ug/L | 507381 | 1 | 6.28 | 722003 | 5.0 |
| Diisopropyl ether | 4.04 | 143.2 | ug/L | 20673500 | 1 | 6.28 | 722003 | 5.0 |
| (DEL) Alkane: Cyc... | 4.57 | 13.1 | ug/L | 1883940 | 1 | 6.28 | 722003 | 5.0 |
| (DEL) Alkane: Cyc... | 5.89 | 1.6 | ug/L | 226306 | 1 | 6.28 | 722003 | 5.0 |
| Furan, tetrahydro... | 7.74 | 1.7 | ug/L | 245719 | 1 | 6.28 | 722003 | 5.0 |
| 3-Heptanone, 6-me... | 10.91 | 5.3 | ug/L | 1658250 | 3 | 11.83 | 1553790 | 5.0 |
| Benzene, 1-chloro... | 11.00 | 0.8 | ug/L | 244718 | 3 | 11.83 | 1553790 | 5.0 |
| Benzene, 1-ethyl-... | 11.30 | 2.1 | ug/L | 665701 | 3 | 11.83 | 1553790 | 5.0 |
| Benzene, tert-butyl- | 11.43 | 2.7 | ug/L | 845938 | 3 | 11.83 | 1553790 | 5.0 |
| 1,3-Dithiolane | 11.62 | 0.7 | ug/L | 211573 | 3 | 11.83 | 1553790 | 5.0 |
| unknown-01 | 11.65 | 1.1 | ug/L | 332574 | 3 | 11.83 | 1553790 | 5.0 |
| unknown-02 | 11.90 | 5.0 | ug/L | 1553790 | 3 | 11.83 | 1553790 | 5.0 |
| Indane | 12.11 | 2.5 | ug/L | 783706 | 3 | 11.83 | 1553790 | 5.0 |
| Benzene, 4-ethyl-... | 12.58 | 2.2 | ug/L | 690024 | 3 | 11.83 | 1553790 | 5.0 |
| Benzene, 1-etheny... | 12.70 | 1.0 | ug/L | 297923 | 3 | 11.83 | 1553790 | 5.0 |
| Benzene, 4-chloro... | 12.79 | 1.2 | ug/L | 360741 | 3 | 11.83 | 1553790 | 5.0 |
| m-Xylene, 5-chloro- | 12.84 | 4.2 | ug/L | 1291050 | 3 | 11.83 | 1553790 | 5.0 |
| 3-Octanol, 3,6-di... | 12.88 | 2.0 | ug/L | 624759 | 3 | 11.83 | 1553790 | 5.0 |
| Benzene, 1,2,4,5-... | 12.99 | 2.1 | ug/L | 652869 | 3 | 11.83 | 1553790 | 5.0 |
| unknown-03 | 13.50 | 1.8 | ug/L | 567356 | 3 | 11.83 | 1553790 | 5.0 |
| (DEL) Alkane: Str... | 13.63 | 0.8 | ug/L | 238264 | 3 | 11.83 | 1553790 | 5.0 |
| Benzene, 1-fluoro... | 13.88 | 1.2 | ug/L | 371353 | 3 | 11.83 | 1553790 | 5.0 |
| (DEL) Alkane: Str... | 13.98 | 0.7 | ug/L | 213308 | 3 | 11.83 | 1553790 | 5.0 |
| (DEL) Alkane: Str... | 14.02 | 2.7 | ug/L | 839647 | 3 | 11.83 | 1553790 | 5.0 |
| unknown-04 | 14.16 | 0.8 | ug/L | 257903 | 3 | 11.83 | 1553790 | 5.0 |
| unknown-05 | 14.31 | 0.8 | ug/L | 263502 | 3 | 11.83 | 1553790 | 5.0 |
| 8-(2,6-Dimethyl-h... | 14.60 | 0.8 | ug/L | 248687 | 3 | 11.83 | 1553790 | 5.0 |
| unknown-06 | 14.80 | 1.0 | ug/L | 303076 | 3 | 11.83 | 1553790 | 5.0 |
| 1-Oxaspiro[4.5]de... | 15.01 | 1.1 | ug/L | 353447 | 3 | 11.83 | 1553790 | 5.0 |
| (DEL) Alkane: Cyc... | 15.12 | 2.2 | ug/L | 687995 | 3 | 11.83 | 1553790 | 5.0 |
| Butylated Hydroxy... | 16.96 | 0.8 | ug/L | 264807 | 3 | 11.83 | 1553790 | 5.0 |