LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072220\
Data File : VX017469.D
Acq On : 22 Jul 2020 16:41
Operator : JC/SP
Sample : L3395-08
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** GAY18

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_X\METHOD\SOMXTR072120WMA.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 | 1.160 | 9 | 12 | 23 | rVB2 | 262079 | 293291 | 25.06% | 2.170% |
| 2 | 1.282 | 28 | 32 | 35 | rBV2 | 49997 | 46409 | 3.96% | 0.343% |
| 3 | 1.386 | 43 | 49 | 57 | rBV2 | 264640 | 329863 | 28.18% | 2.441% |
| 4 | 1.605 | 76 | 85 | 89 | rBV8 | 32545 | 71211 | 6.08% | 0.527% |
| 5 | 1.691 | 93 | 99 | 108 | rVV | 125186 | 175341 | 14.98% | 1.298% |
| 6 | 1.770 | 108 | 112 | 118 | rVB2 | 42964 | 58931 | 5.03% | 0.436% |
| 7 | 1.935 | 136 | 139 | 143 | rVB5 | 11771 | 16175 | 1.38% | 0.120% |
| 8 | 1.983 | 143 | 147 | 152 | rBV5 | 24795 | 38497 | 3.29% | 0.285% |
| 9 | 2.191 | 178 | 181 | 186 | rVB7 | 11017 | 14826 | 1.27% | 0.110% |
| 10 | 2.245 | 187 | 190 | 193 | rBV5 | 9587 | 12780 | 1.09% | 0.095% |
| 11 | 2.343 | 199 | 206 | 214 | rVV | 286277 | 468294 | 40.01% | 3.466% |
| 12 | 2.416 | 215 | 218 | 223 | rVB | 17732 | 22521 | 1.92% | 0.167% |
| 13 | 2.550 | 235 | 240 | 247 | rVB | 49599 | 80418 | 6.87% | 0.595% |
| 14 | 3.142 | 330 | 337 | 346 | rBV5 | 23163 | 55385 | 4.73% | 0.410% |
| 15 | 4.294 | 518 | 526 | 529 | rBV10 | 6479 | 15347 | 1.31% | 0.114% |
| 16 | 4.367 | 533 | 538 | 545 | rVB5 | 13876 | 29736 | 2.54% | 0.220% |
| 17 | 4.532 | 554 | 565 | 579 | rBV | 145128 | 479356 | 40.95% | 3.547% |
| 18 | 4.794 | 599 | 608 | 620 | rBV2 | 151442 | 415503 | 35.50% | 3.075% |
| 19 | 5.141 | 654 | 665 | 680 | rVB | 166281 | 510614 | 43.62% | 3.779% |
| 20 | 5.269 | 680 | 686 | 693 | rBV | 5746 | 15669 | 1.34% | 0.116% |
| 21 | 5.550 | 723 | 732 | 737 | rBV8 | 11413 | 29973 | 2.56% | 0.222% |
| 22 | 5.696 | 750 | 756 | 761 | rBV9 | 5370 | 13999 | 1.20% | 0.104% |
| 23 | 6.044 | 800 | 813 | 822 | rBV3 | 392550 | 1170497 | 100.00% | 8.662% |
| 24 | 6.830 | 932 | 942 | 955 | rBV | 350729 | 847029 | 72.36% | 6.268% |
| 25 | 7.190 | 992 | 1001 | 1005 | rBV10 | 16182 | 36009 | 3.08% | 0.266% |
| 26 | 7.373 | 1019 | 1031 | 1038 | rBV | 243380 | 541073 | 46.23% | 4.004% |
| 27 | 7.446 | 1039 | 1043 | 1048 | rVB5 | 15538 | 28972 | 2.48% | 0.214% |
| 28 | 8.043 | 1136 | 1141 | 1146 | rVB9 | 8539 | 16648 | 1.42% | 0.123% |
| 29 | 8.159 | 1155 | 1160 | 1169 | rVB9 | 8056 | 23357 | 2.00% | 0.173% |
| 30 | 8.372 | 1190 | 1195 | 1207 | rVB2 | 156123 | 261547 | 22.34% | 1.936% |
| 31 | 8.695 | 1241 | 1248 | 1254 | rVV | 639609 | 968145 | 82.71% | 7.165% |
| 32 | 8.763 | 1254 | 1259 | 1266 | rVB | 241526 | 371556 | 31.74% | 2.750% |
| 33 | 8.994 | 1292 | 1297 | 1306 | rVB | 107434 | 166007 | 14.18% | 1.229% |
| 34 | 9.317 | 1346 | 1350 | 1354 | rBV7 | 9443 | 15028 | 1.28% | 0.111% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072220\
Data File : VX017469.D
Acq On : 22 Jul 2020 16:41
Operator : JC/SP
Sample : L3395-08
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** GAY18

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_X\METHOD\SOMXTR072120WMA.M
Title : TRACE VOA SOM01.0

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 9.427 | 1362 | 1368 | 1379 | rBV | 722615 | 1000745 | 85.50% | 7.406% |
| 36 | 10.098 | 1471 | 1478 | 1489 | rBV | 740710 | 1028312 | 87.85% | 7.610% |
| 37 | 10.238 | 1494 | 1501 | 1506 | rBV | 116537 | 156367 | 13.36% | 1.157% |
| 38 | 10.342 | 1512 | 1518 | 1524 | rBV | 325947 | 432208 | 36.93% | 3.199% |
| 39 | 10.683 | 1569 | 1574 | 1579 | rBV | 126861 | 169344 | 14.47% | 1.253% |
| 40 | 11.000 | 1620 | 1626 | 1631 | rBV2 | 16850 | 23941 | 2.05% | 0.177% |
| 41 | 11.232 | 1657 | 1664 | 1671 | rBV | 238624 | 309929 | 26.48% | 2.294% |
| 42 | 11.347 | 1677 | 1683 | 1689 | rBV | 20037 | 31410 | 2.68% | 0.232% |
| 43 | 11.421 | 1690 | 1695 | 1703 | rVV | 63462 | 111780 | 9.55% | 0.827% |
| 44 | 11.494 | 1703 | 1707 | 1712 | rVB | 30880 | 39987 | 3.42% | 0.296% |
| 45 | 11.652 | 1727 | 1733 | 1738 | rVB2 | 30909 | 39359 | 3.36% | 0.291% |
| 46 | 11.793 | 1751 | 1756 | 1761 | rVB | 108017 | 129392 | 11.05% | 0.958% |
| 47 | 12.006 | 1788 | 1791 | 1795 | rVB6 | 12492 | 18060 | 1.54% | 0.134% |
| 48 | 12.061 | 1795 | 1800 | 1807 | rBV | 803876 | 1013085 | 86.55% | 7.497% |
| 49 | 12.128 | 1807 | 1811 | 1815 | rVB | 28548 | 36569 | 3.12% | 0.271% |
| 50 | 12.256 | 1827 | 1832 | 1834 | rBV2 | 30446 | 42405 | 3.62% | 0.314% |
| 51 | 12.280 | 1834 | 1836 | 1844 | rVV5 | 28915 | 57855 | 4.94% | 0.428% |
| 52 | 12.359 | 1844 | 1849 | 1858 | rVB | 746138 | 923753 | 78.92% | 6.836% |
| 53 | 12.567 | 1878 | 1883 | 1885 | rBV5 | 11191 | 15848 | 1.35% | 0.117% |
| 54 | 12.591 | 1885 | 1887 | 1893 | rVB7 | 10041 | 13389 | 1.14% | 0.099% |
| 55 | 12.652 | 1893 | 1897 | 1901 | rBV2 | 15399 | 17488 | 1.49% | 0.129% |
| 56 | 12.737 | 1908 | 1911 | 1919 | rBV6 | 11529 | 20331 | 1.74% | 0.150% |
| 57 | 12.890 | 1933 | 1936 | 1941 | rVB6 | 19051 | 24144 | 2.06% | 0.179% |
| 58 | 12.957 | 1945 | 1947 | 1951 | rVV3 | 11168 | 15357 | 1.31% | 0.114% |
| 59 | 13.000 | 1951 | 1954 | 1960 | rVB3 | 14757 | 20789 | 1.78% | 0.154% |
| 60 | 13.158 | 1973 | 1980 | 1983 | rBV9 | 8712 | 16709 | 1.43% | 0.124% |
| 61 | 13.207 | 1983 | 1988 | 1991 | rVB5 | 8126 | 12908 | 1.10% | 0.096% |
| 62 | 13.329 | 2004 | 2008 | 2013 | rVB5 | 18396 | 25188 | 2.15% | 0.186% |
| 63 | 13.463 | 2025 | 2030 | 2035 | rBV2 | 46792 | 65216 | 5.57% | 0.483% |
| 64 | 13.621 | 2053 | 2056 | 2059 | rBV4 | 11722 | 17154 | 1.47% | 0.127% |
| 65 | 13.823 | 2084 | 2089 | 2093 | rVB | 13355 | 19140 | 1.64% | 0.142% |
| 66 | 14.255 | 2158 | 2160 | 2165 | rBV5 | 9194 | 11797 | 1.01% | 0.087% |
| 67 | 14.676 | 2226 | 2229 | 2233 | rVB6 | 9092 | 12867 | 1.10% | 0.095% |

Sum of corrected areas: 13512833

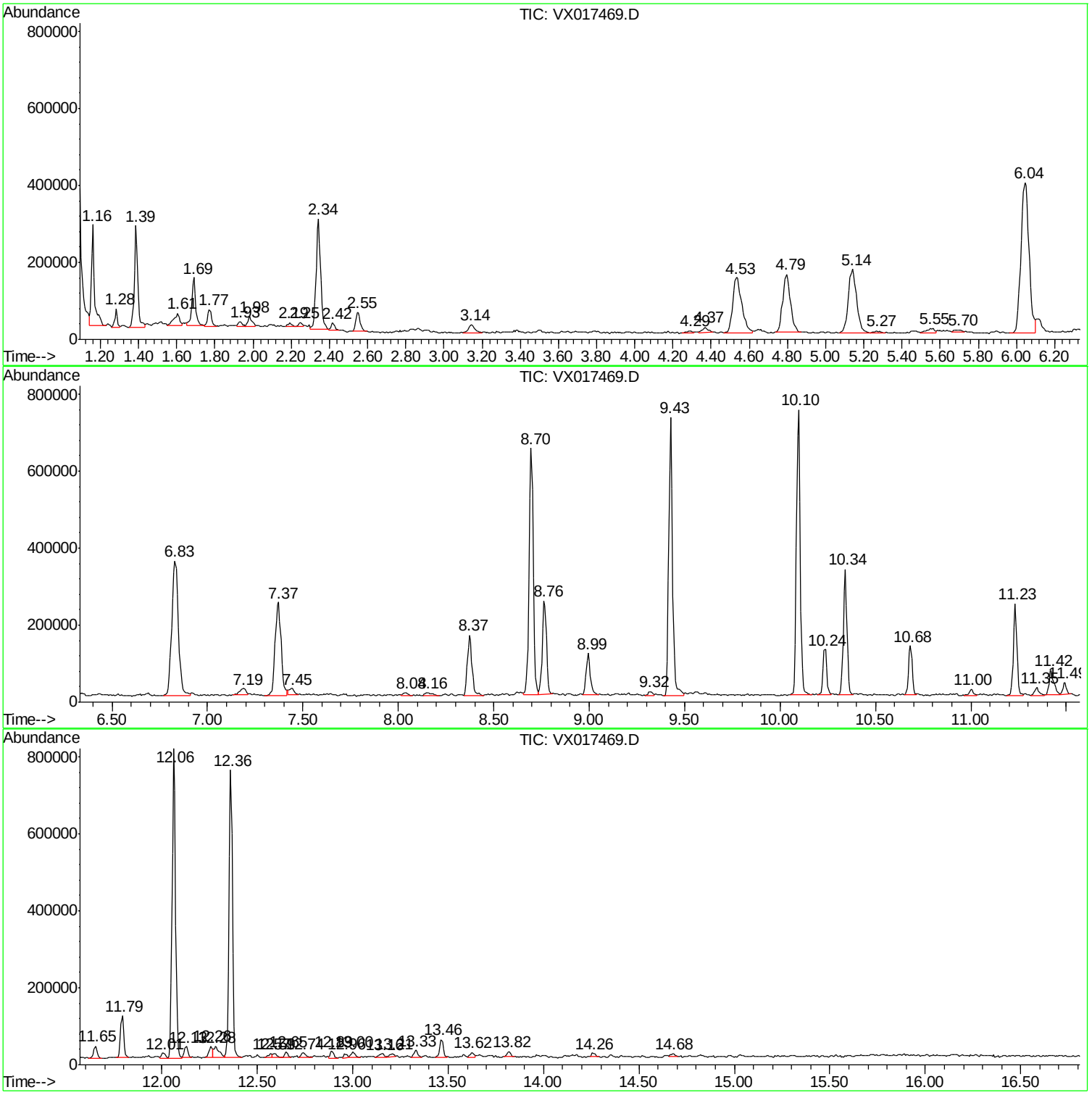
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072220\
Data File : VX017469.D
Acq On : 22 Jul 2020 16:41
Operator : JC/SP
Sample : L3395-08
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** GAY18

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR072120WMA.M
Quant Title : TRACE VOA SOM01.0

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072220\
Data File : VX017469.D
Acq On : 22 Jul 2020 16:41
Operator : JC/SP
Sample : L3395-08
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** GAY18

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR072120WMA.M
Quant Title : TRACE VOA SOM01.0

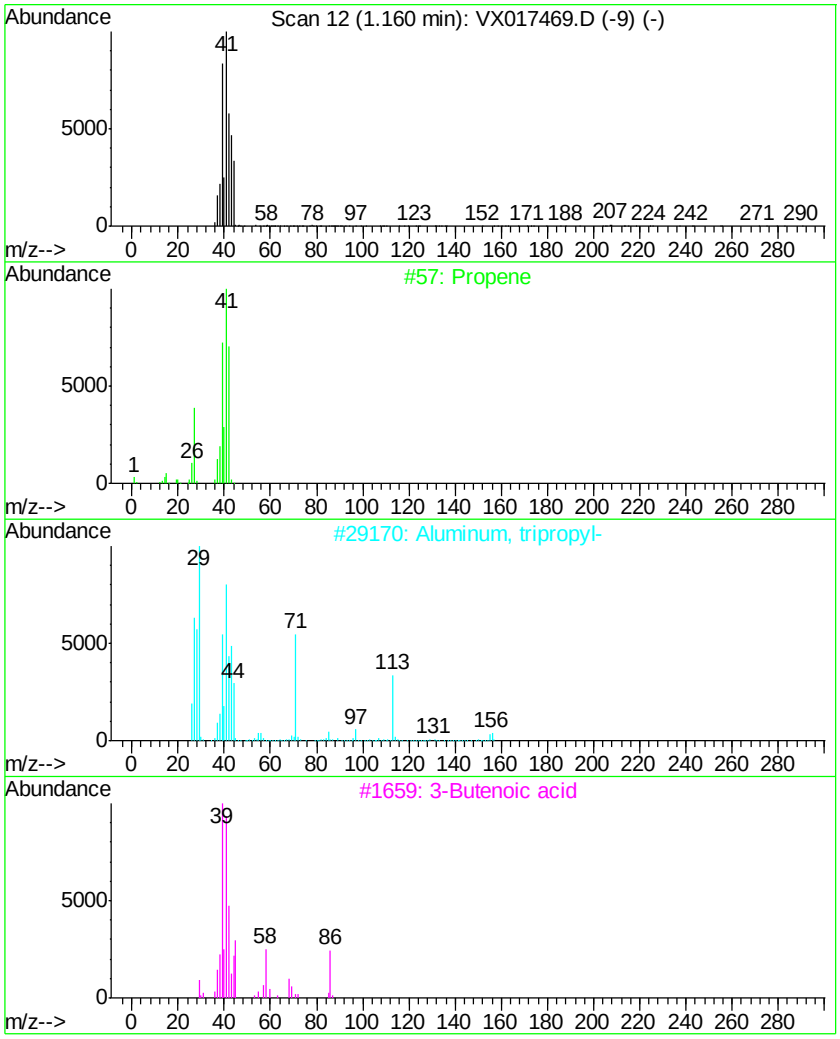
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

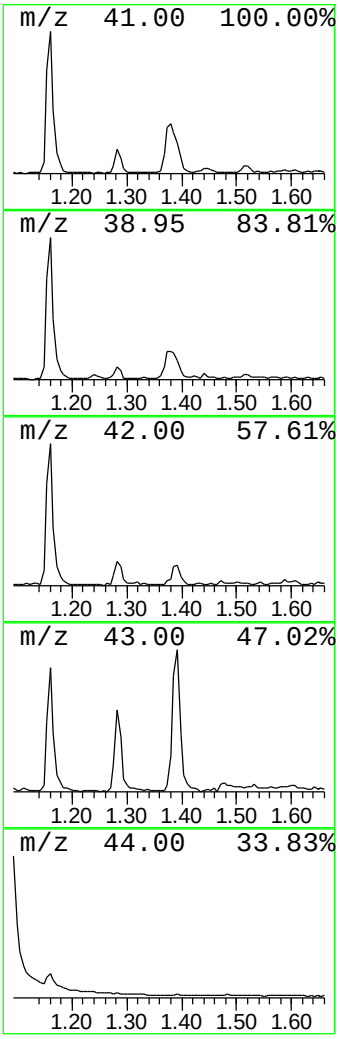
**********

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.16 | 1.73 ug/L | 293291 | 1,4-Difluorobenzene | 6.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propene | 42 | C3H6 | 000115-07-1 | 86 |
| 2 | Aluminum, tripropyl- | 156 | C9H21Al | 000102-67-0 | 83 |
| 3 | 3-Butenoic acid | 86 | C4H6O2 | 000625-38-7 | 78 |
| 4 | 2-Butenal, (E)- | 70 | C4H6O | 000123-73-9 | 78 |
| 5 | Furan, 2,5-dihydro- | 70 | C4H6O | 001708-29-8 | 64 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072220\
Data File : VX017469.D
Acq On : 22 Jul 2020 16:41
Operator : JC/SP
Sample : L3395-08
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** GAY18

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR072120WMA.M
Quant Title : TRACE VOA SOM01.0

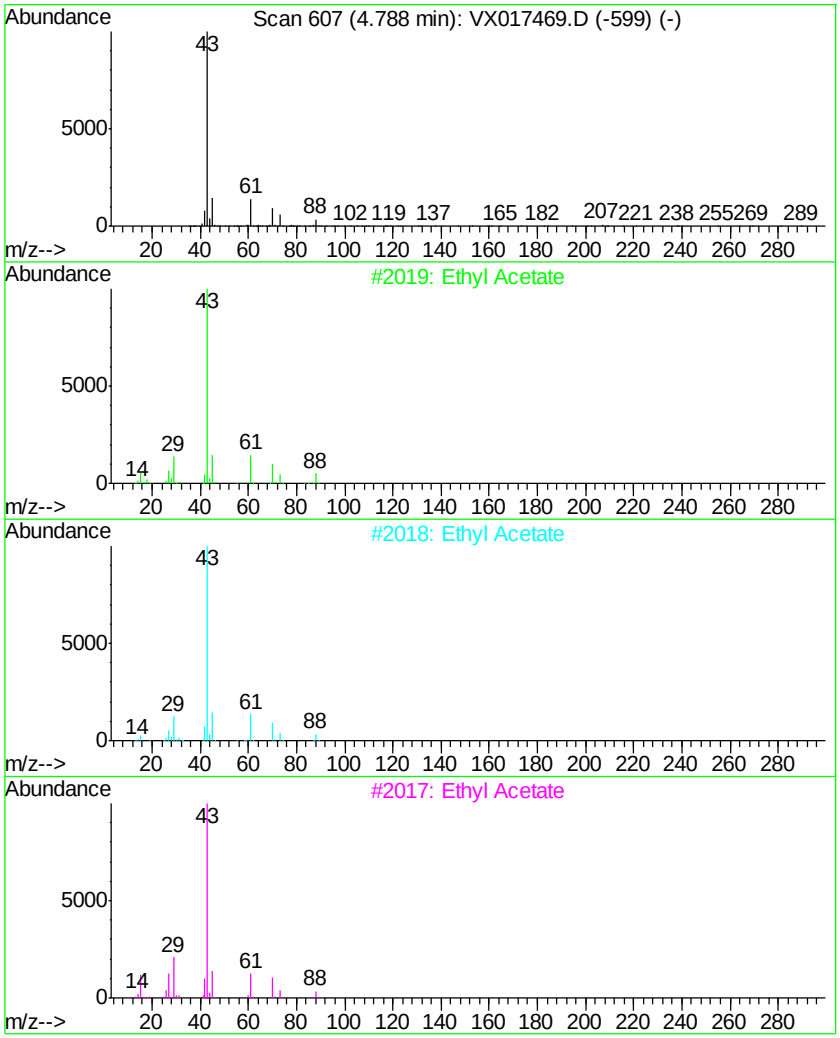
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

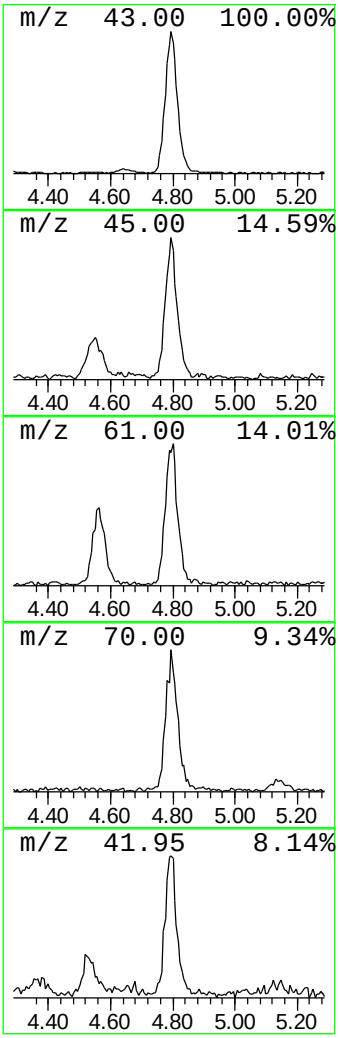
**********

Peak Number 2 Ethyl Acetate Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.79 | 2.45 ug/L | 415503 | 1,4-Difluorobenzene | 6.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethyl Acetate | 88 | C4H8O2 | 000141-78-6 | 87 |
| 2 | Ethyl Acetate | 88 | C4H8O2 | 000141-78-6 | 86 |
| 3 | Ethyl Acetate | 88 | C4H8O2 | 000141-78-6 | 86 |
| 4 | Ethyl Acetate | 88 | C4H8O2 | 000141-78-6 | 78 |
| 5 | CH3C(O)CH2CH2OH | 88 | C4H8O2 | 000590-90-9 | 50 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072220\
Data File : VX017469.D
Acq On : 22 Jul 2020 16:41
Operator : JC/SP
Sample : L3395-08
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** GAY18

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR072120WMA.M
Quant Title : TRACE VOA SOM01.0

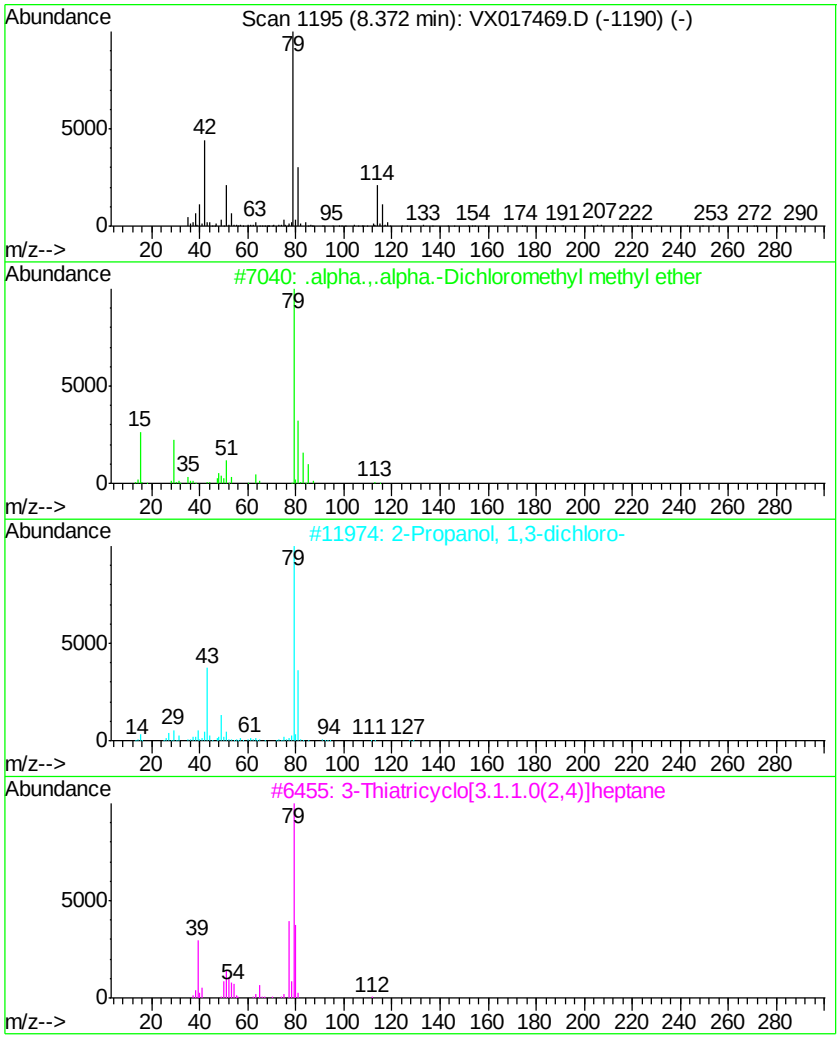
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

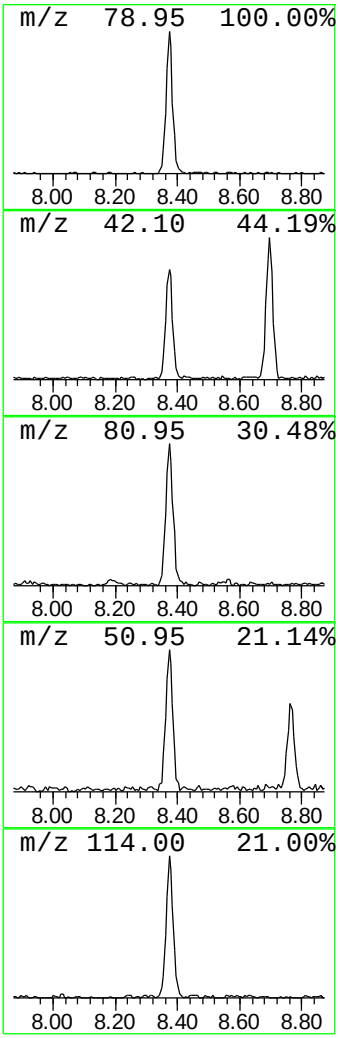
**********

Peak Number 3 unknown-01 Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.37 | 1.54 ug/L | 261547 | 1,4-Difluorobenzene | 6.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | .alpha.,.alpha.-Dichloromethyl m... | 114 | C2H4Cl2O | 004885-02-3 | 37 |
| 2 | 2-Propanol, 1,3-dichloro- | 128 | C3H6Cl2O | 000096-23-1 | 23 |
| 3 | 3-Thiatricyclo[3.1.1.0(2,4)]heptane | 112 | C6H8S | 1000221-37-0 | 9 |
| 4 | 2-Propanol, 1,3-dichloro- | 128 | C3H6Cl2O | 000096-23-1 | 9 |
| 5 | 2-Propanol, 1,3-dichloro- | 128 | C3H6Cl2O | 000096-23-1 | 9 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072220\
Data File : VX017469.D
Acq On : 22 Jul 2020 16:41
Operator : JC/SP
Sample : L3395-08
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** GAY18

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR072120WMA.M
Quant Title : TRACE VOA SOM01.0

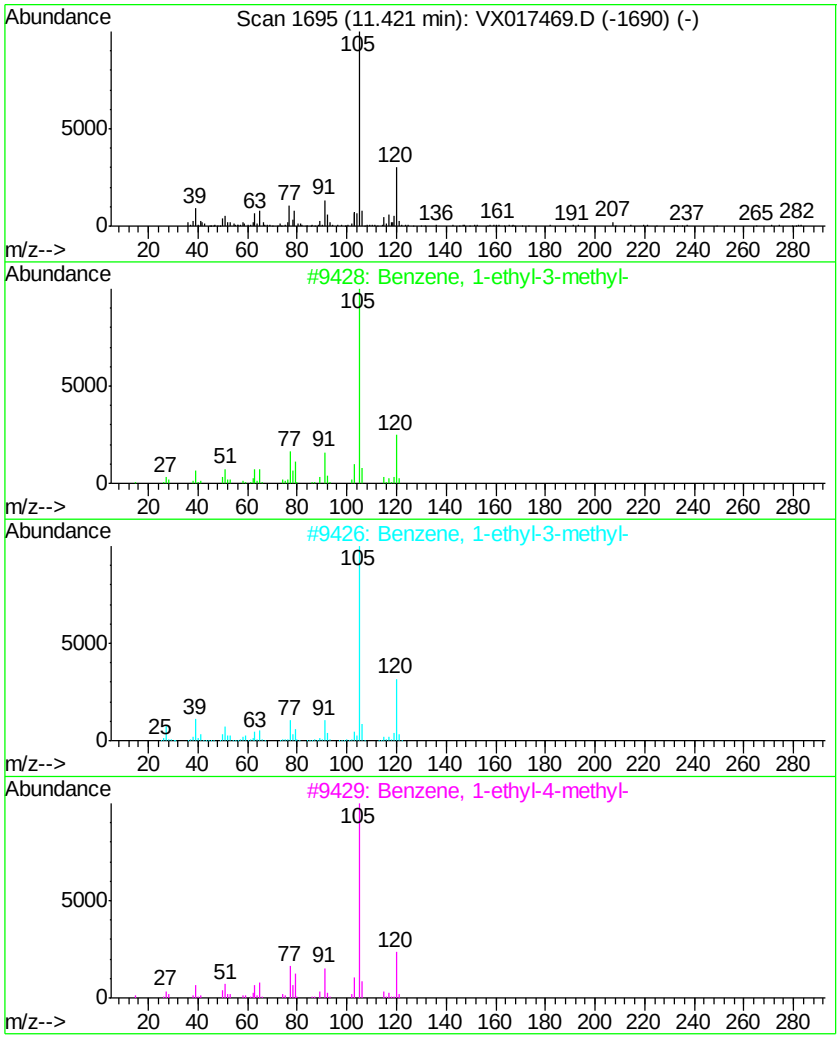
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

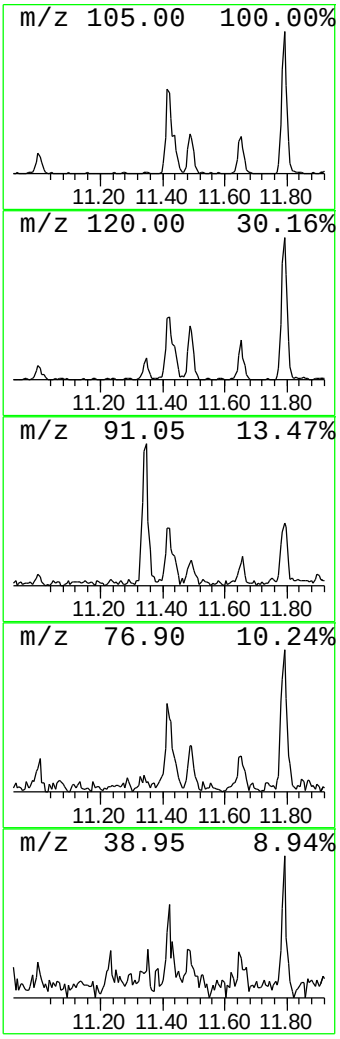
**********

Peak Number 4 Benzene, 1-ethyl-3-methyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.42 | 0.55 ug/L | 111780 | 1,4-Dichlorobenzene-d4 | 12.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 87 |
| 2 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 81 |
| 3 | Benzene, 1-ethyl-4-methyl- | 120 | C9H12 | 000622-96-8 | 81 |
| 4 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 81 |
| 5 | Benzene, 1-ethyl-4-methyl- | 120 | C9H12 | 000622-96-8 | 72 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072220\
Data File : VX017469.D
Acq On : 22 Jul 2020 16:41
Operator : JC/SP
Sample : L3395-08
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** GAY18

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR072120WMA.M
Quant Title : TRACE VOA SOM01.0

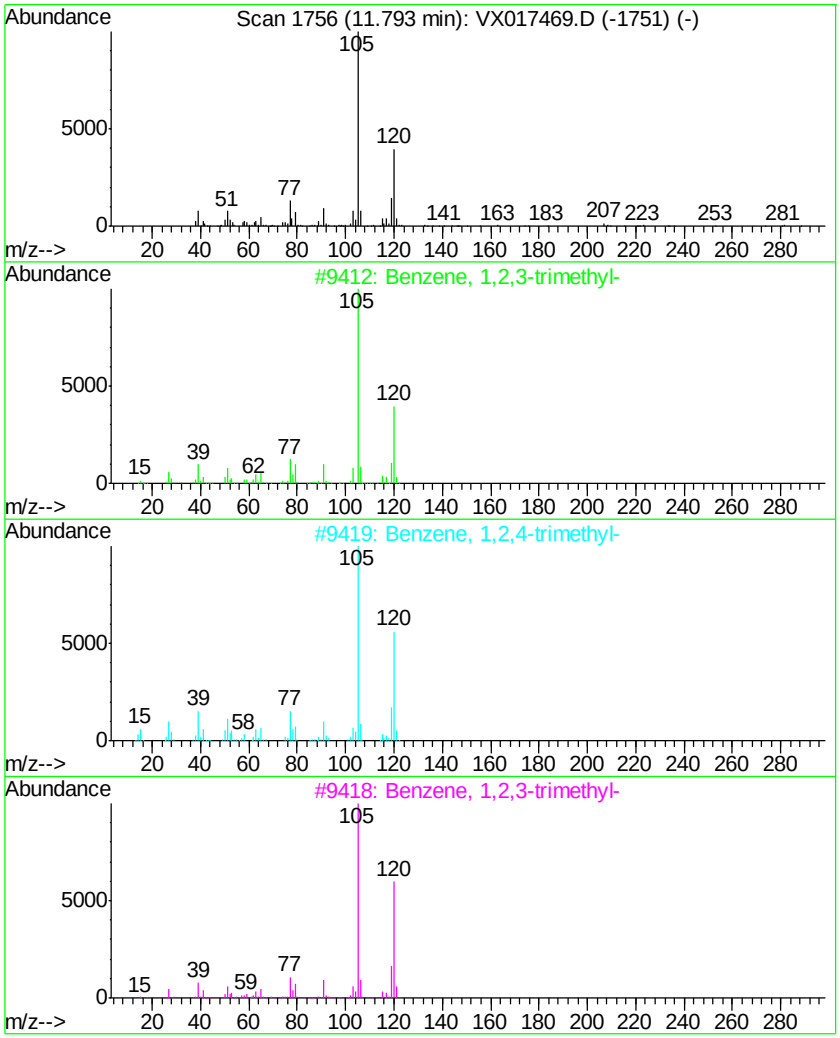
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

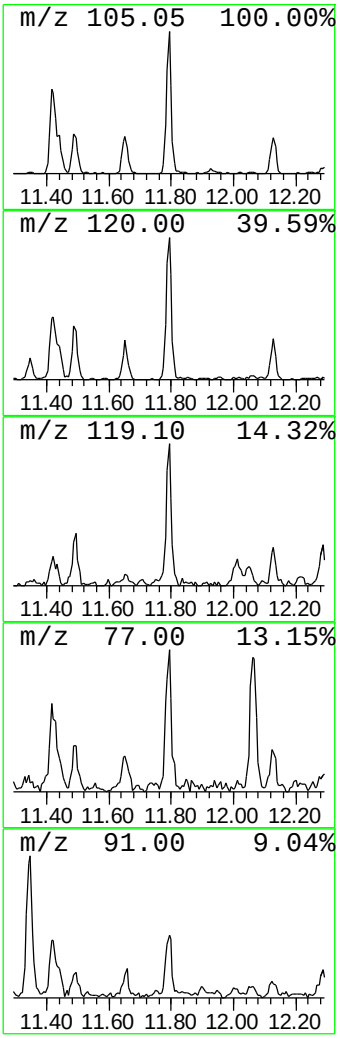
**********

Peak Number 5 Benzene, 1,2,3-trimethyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.79 | 0.64 ug/L | 129392 | 1,4-Dichlorobenzene-d4 | 12.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 95 |
| 2 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 95 |
| 3 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 93 |
| 4 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 91 |
| 5 | Mesitylene | 120 | C9H12 | 000108-67-8 | 91 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072220\
Data File : VX017469.D
Acq On : 22 Jul 2020 16:41
Operator : JC/SP
Sample : L3395-08
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** GAY18

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR072120WMA.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 |
| (DEL) Alkane: Str... | 1.16 | 1.7 | ug/L | 293291 | 1 | 6.83 | 847029 | 5.0 |
| Ethyl Acetate | 4.79 | 2.5 | ug/L | 415503 | 1 | 6.83 | 847029 | 5.0 |
| unknown-01 | 8.37 | 1.5 | ug/L | 261547 | 1 | 6.83 | 847029 | 5.0 |
| Benzene, 1-ethyl-... | 11.42 | 0.6 | ug/L | 111780 | 3 | 12.06 | 1013090 | 5.0 |
| Benzene, 1,2,3-tr... | 11.79 | 0.6 | ug/L | 129392 | 3 | 12.06 | 1013090 | 5.0 |