LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111120\
Data File : VD067599.D
Acq On : 11 Nov 2020 13:46
Operator : VA/SY
Sample : L4702-04
Misc : 6.22G/5.00ml/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** M-99(0-10)

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
Title : SW846 8260

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 7.920 | 1010 | 1020 | 1025 | rBV | 251254 | 610495 | 23.18% | 1.370% |
| 2 | 7.985 | 1025 | 1031 | 1043 | rVB | 449233 | 1000859 | 37.99% | 2.246% |
| 3 | 8.338 | 1081 | 1091 | 1101 | rBV | 198066 | 457424 | 17.36% | 1.026% |
| 4 | 8.867 | 1172 | 1181 | 1195 | rBV | 621462 | 1279874 | 48.59% | 2.872% |
| 5 | 10.344 | 1423 | 1432 | 1440 | rBV | 1003115 | 1806543 | 68.58% | 4.054% |
| 6 | 11.649 | 1647 | 1654 | 1664 | rVB | 968771 | 1725974 | 65.52% | 3.873% |
| 7 | 12.491 | 1792 | 1797 | 1803 | rBV2 | 57080 | 96174 | 3.65% | 0.216% |
| 8 | 12.638 | 1815 | 1822 | 1833 | rVB | 832767 | 1419789 | 53.90% | 3.186% |
| 9 | 12.743 | 1835 | 1840 | 1843 | rBV6 | 18133 | 29730 | 1.13% | 0.067% |
| 10 | 12.890 | 1859 | 1865 | 1868 | rBV | 68389 | 121126 | 4.60% | 0.272% |
| 11 | 12.967 | 1873 | 1878 | 1884 | rBV3 | 101176 | 215059 | 8.16% | 0.483% |
| 12 | 13.126 | 1900 | 1905 | 1910 | rVB | 77262 | 115247 | 4.38% | 0.259% |
| 13 | 13.220 | 1912 | 1921 | 1924 | rVV2 | 128735 | 374475 | 14.22% | 0.840% |
| 14 | 13.273 | 1924 | 1930 | 1939 | rVB | 911248 | 1563396 | 59.35% | 3.508% |
| 15 | 13.408 | 1944 | 1953 | 1957 | rBV3 | 99269 | 282401 | 10.72% | 0.634% |
| 16 | 13.467 | 1959 | 1963 | 1968 | rVV | 133047 | 259250 | 9.84% | 0.582% |
| 17 | 13.520 | 1968 | 1972 | 1976 | rVV2 | 86122 | 171469 | 6.51% | 0.385% |
| 18 | 13.579 | 1976 | 1982 | 1985 | rVV | 1080374 | 1920903 | 72.92% | 4.311% |
| 19 | 13.608 | 1985 | 1987 | 1997 | rVB | 830124 | 1083361 | 41.13% | 2.431% |
| 20 | 13.773 | 2004 | 2015 | 2019 | rBV2 | 1055206 | 2278624 | 86.50% | 5.113% |
| 21 | 13.814 | 2019 | 2022 | 2033 | rVV3 | 1076843 | 2223297 | 84.40% | 4.989% |
| 22 | 13.902 | 2033 | 2037 | 2043 | rVV4 | 95315 | 157649 | 5.98% | 0.354% |
| 23 | 13.973 | 2043 | 2049 | 2054 | rVV | 445995 | 710719 | 26.98% | 1.595% |
| 24 | 14.037 | 2054 | 2060 | 2062 | rVV | 811545 | 1350081 | 51.25% | 3.030% |
| 25 | 14.061 | 2062 | 2064 | 2069 | rVV | 804831 | 1149017 | 43.62% | 2.578% |
| 26 | 14.120 | 2069 | 2074 | 2081 | rVV | 1553398 | 2359668 | 89.58% | 5.295% |
| 27 | 14.185 | 2081 | 2085 | 2086 | rVV | 38818 | 45815 | 1.74% | 0.103% |
| 28 | 14.226 | 2086 | 2092 | 2098 | rVV2 | 446371 | 790724 | 30.02% | 1.774% |
| 29 | 14.279 | 2098 | 2101 | 2102 | rVV | 44802 | 54100 | 2.05% | 0.121% |
| 30 | 14.308 | 2102 | 2106 | 2110 | rVV3 | 62646 | 110946 | 4.21% | 0.249% |
| 31 | 14.361 | 2110 | 2115 | 2120 | rVV | 439242 | 692684 | 26.30% | 1.554% |
| 32 | 14.443 | 2120 | 2129 | 2132 | rVV | 1122812 | 1802451 | 68.43% | 4.045% |
| 33 | 14.485 | 2132 | 2136 | 2140 | rVV | 1641022 | 2553325 | 96.93% | 5.730% |
| 34 | 14.526 | 2140 | 2143 | 2147 | rVV | 339624 | 500218 | 18.99% | 1.122% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111120\
Data File : VD067599.D
Acq On : 11 Nov 2020 13:46
Operator : VA/SY
Sample : L4702-04
Misc : 6.22G/5.00ml/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** M-99(0-10)

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 14.567 | 2147 | 2150 | 2158 | rVV2 | 200676 | 353658 | 13.43% | 0.794% |
| 36 | 14.626 | 2158 | 2160 | 2163 | rVV2 | 55800 | 72767 | 2.76% | 0.163% |
| 37 | 14.667 | 2163 | 2167 | 2171 | rVV | 177811 | 263072 | 9.99% | 0.590% |
| 38 | 14.714 | 2171 | 2175 | 2179 | rVV2 | 488564 | 801375 | 30.42% | 1.798% |
| 39 | 14.761 | 2179 | 2183 | 2187 | rVB | 322684 | 501689 | 19.05% | 1.126% |
| 40 | 14.826 | 2187 | 2194 | 2201 | rBV2 | 1073404 | 2634194 | 100.00% | 5.911% |
| 41 | 14.884 | 2201 | 2204 | 2210 | rVB | 290625 | 439375 | 16.68% | 0.986% |
| 42 | 15.043 | 2217 | 2231 | 2236 | rBV5 | 187850 | 739699 | 28.08% | 1.660% |
| 43 | 15.102 | 2236 | 2241 | 2253 | rVV | 459105 | 1162734 | 44.14% | 2.609% |
| 44 | 15.208 | 2254 | 2259 | 2267 | rVB3 | 231765 | 451321 | 17.13% | 1.013% |
| 45 | 15.355 | 2280 | 2284 | 2286 | rBV2 | 35324 | 52037 | 1.98% | 0.117% |
| 46 | 15.402 | 2286 | 2292 | 2300 | rVV | 778853 | 1399884 | 53.14% | 3.141% |
| 47 | 15.508 | 2304 | 2310 | 2315 | rBV3 | 123572 | 215076 | 8.16% | 0.483% |
| 48 | 15.567 | 2315 | 2320 | 2322 | rVV3 | 46311 | 77284 | 2.93% | 0.173% |
| 49 | 15.602 | 2322 | 2326 | 2335 | rVB2 | 102833 | 189642 | 7.20% | 0.426% |
| 50 | 15.702 | 2336 | 2343 | 2349 | rBV3 | 133447 | 297263 | 11.28% | 0.667% |
| 51 | 15.779 | 2349 | 2356 | 2360 | rVB10 | 28806 | 64983 | 2.47% | 0.146% |
| 52 | 15.873 | 2367 | 2372 | 2383 | rVB2 | 61529 | 157408 | 5.98% | 0.353% |
| 53 | 16.002 | 2388 | 2394 | 2400 | rBV | 85753 | 170015 | 6.45% | 0.382% |
| 54 | 16.073 | 2400 | 2406 | 2414 | rVB5 | 62415 | 182205 | 6.92% | 0.409% |
| 55 | 16.149 | 2414 | 2419 | 2423 | rBV5 | 36957 | 66201 | 2.51% | 0.149% |
| 56 | 16.202 | 2423 | 2428 | 2431 | rBV2 | 47266 | 86791 | 3.29% | 0.195% |
| 57 | 16.284 | 2437 | 2442 | 2446 | rVB5 | 54752 | 94453 | 3.59% | 0.212% |
| 58 | 16.343 | 2448 | 2452 | 2459 | rVB4 | 61786 | 112137 | 4.26% | 0.252% |
| 59 | 16.496 | 2471 | 2478 | 2484 | rBV | 455071 | 936914 | 35.57% | 2.102% |
| 60 | 16.561 | 2484 | 2489 | 2502 | rVV | 376637 | 740150 | 28.10% | 1.661% |
| 61 | 16.702 | 2505 | 2513 | 2526 | rVB | 375587 | 988014 | 37.51% | 2.217% |

Sum of corrected areas: 44563208

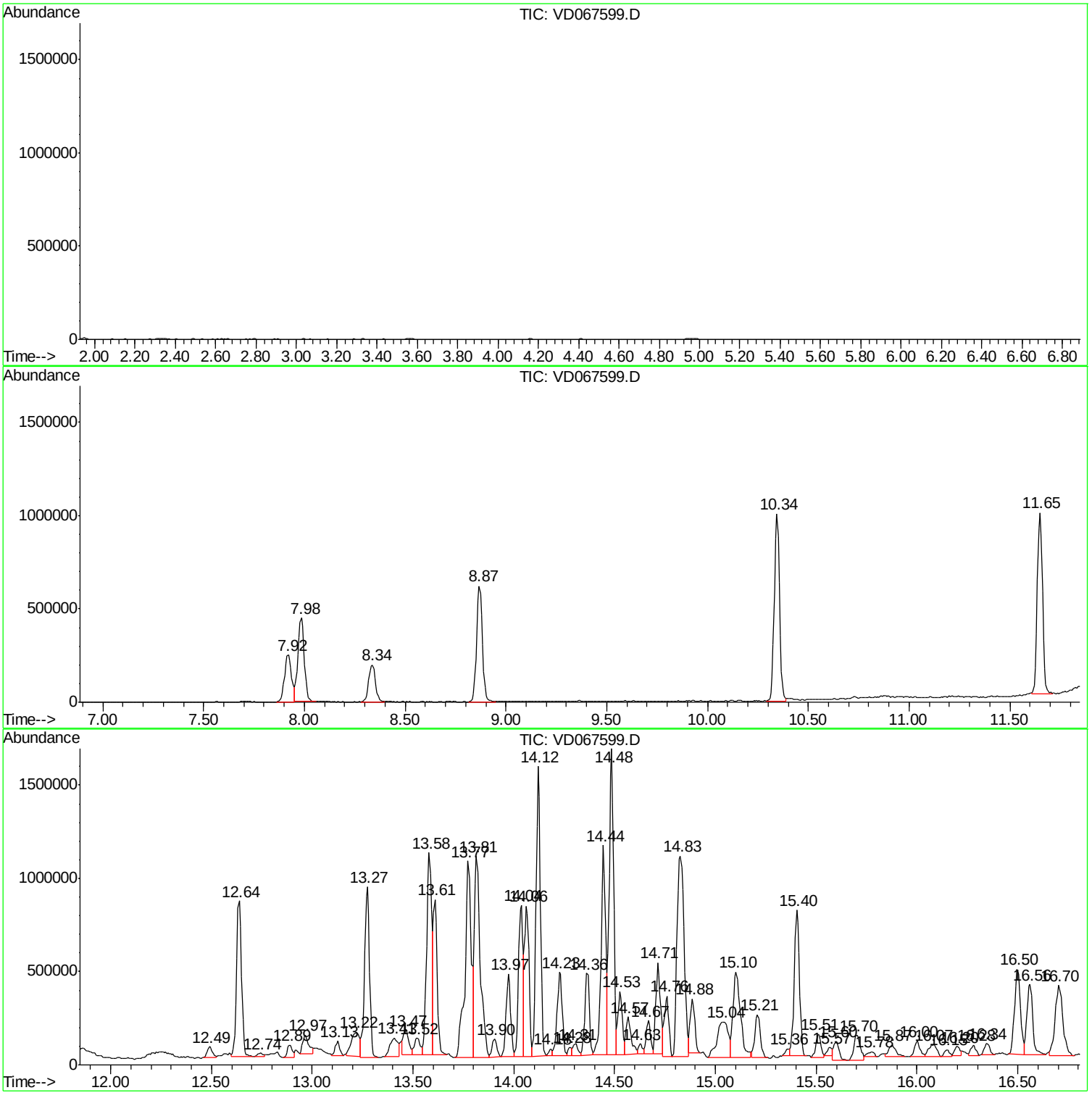
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111120\
Data File : VD067599.D
Acq On : 11 Nov 2020 13:46
Operator : VA/SY
Sample : L4702-04
Misc : 6.22G/5.00ml/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**ClientSampleId :**
M-99(0-10)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
Quant Title : SW846 8260

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



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111120\
Data File : VD067599.D
Acq On : 11 Nov 2020 13:46
Operator : VA/SY
Sample : L4702-04
Misc : 6.22G/5.00ml/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** M-99(0-10)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
Quant Title : SW846 8260

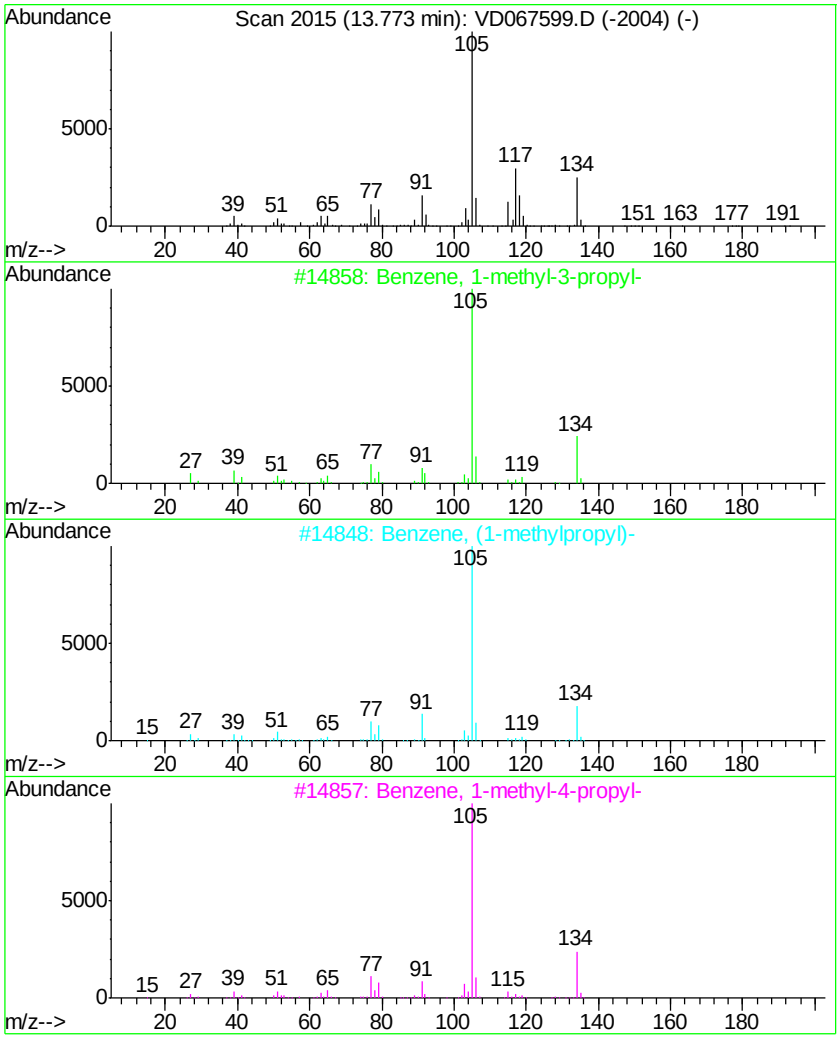
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

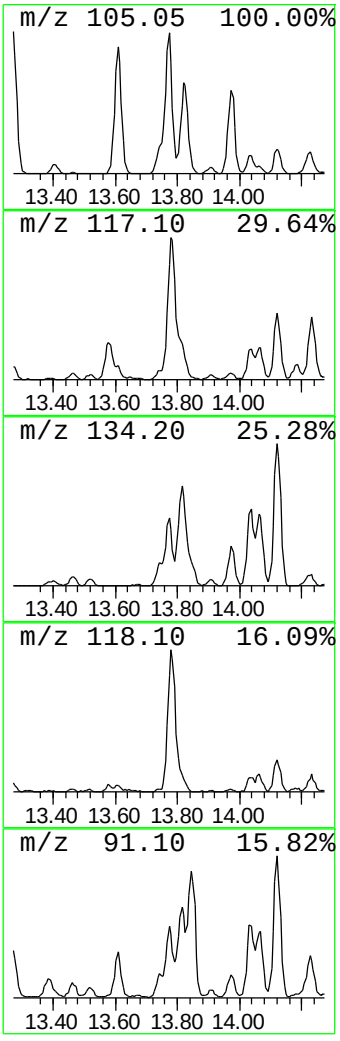
**********

Peak Number 1 Benzene, 1-methyl-3-propyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.77 | 59.31 ug/l | 2278620 | 1,4-Dichlorobenzene-d4 | 13.58 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-methyl-3-propyl- | 134 | C10H14 | 001074-43-7 | 64 |
| 2 | Benzene, (1-methylpropyl)- | 134 | C10H14 | 000135-98-8 | 64 |
| 3 | Benzene, 1-methyl-4-propyl- | 134 | C10H14 | 001074-55-1 | 60 |
| 4 | Benzeneacetaldehyde, .alpha.-met... | 134 | C9H10O | 000093-53-8 | 55 |
| 5 | Benzene, 1-methyl-2-propyl- | 134 | C10H14 | 001074-17-5 | 52 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111120\
Data File : VD067599.D
Acq On : 11 Nov 2020 13:46
Operator : VA/SY
Sample : L4702-04
Misc : 6.22G/5.00ml/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** M-99(0-10)

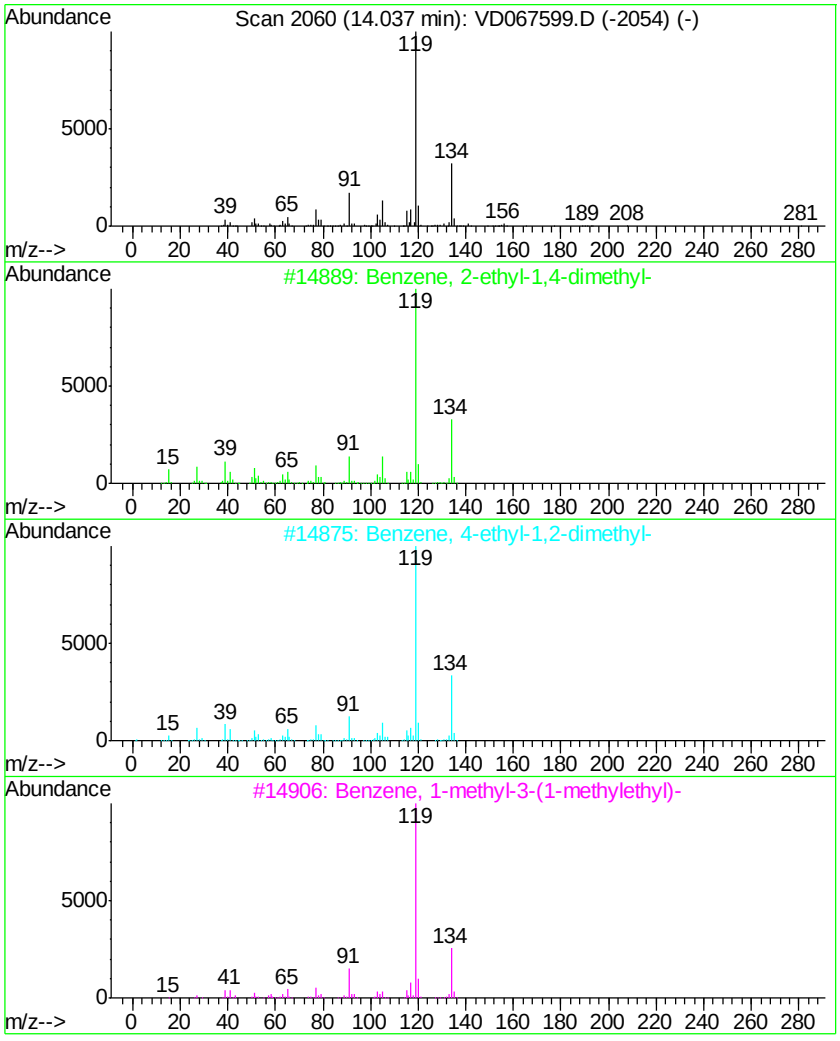
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
Quant Title : SW846 8260

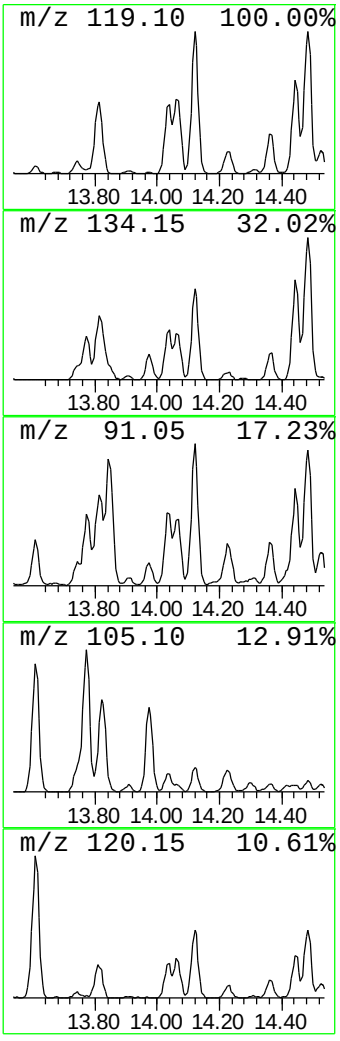
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.04 | 35.14 ug/l | 1350080 | 1,4-Dichlorobenzene-d4 | 13.58 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 96 |
| 2 | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14 | 000934-80-5 | 95 |
| 3 | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14 | 000535-77-3 | 94 |
| 4 | Benzene, 1-ethyl-3,5-dimethyl- | 134 | C10H14 | 000934-74-7 | 94 |
| 5 | p-Cymene | 134 | C10H14 | 000099-87-6 | 93 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111120\
Data File : VD067599.D
Acq On : 11 Nov 2020 13:46
Operator : VA/SY
Sample : L4702-04
Misc : 6.22G/5.00ml/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** M-99(0-10)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
Quant Title : SW846 8260

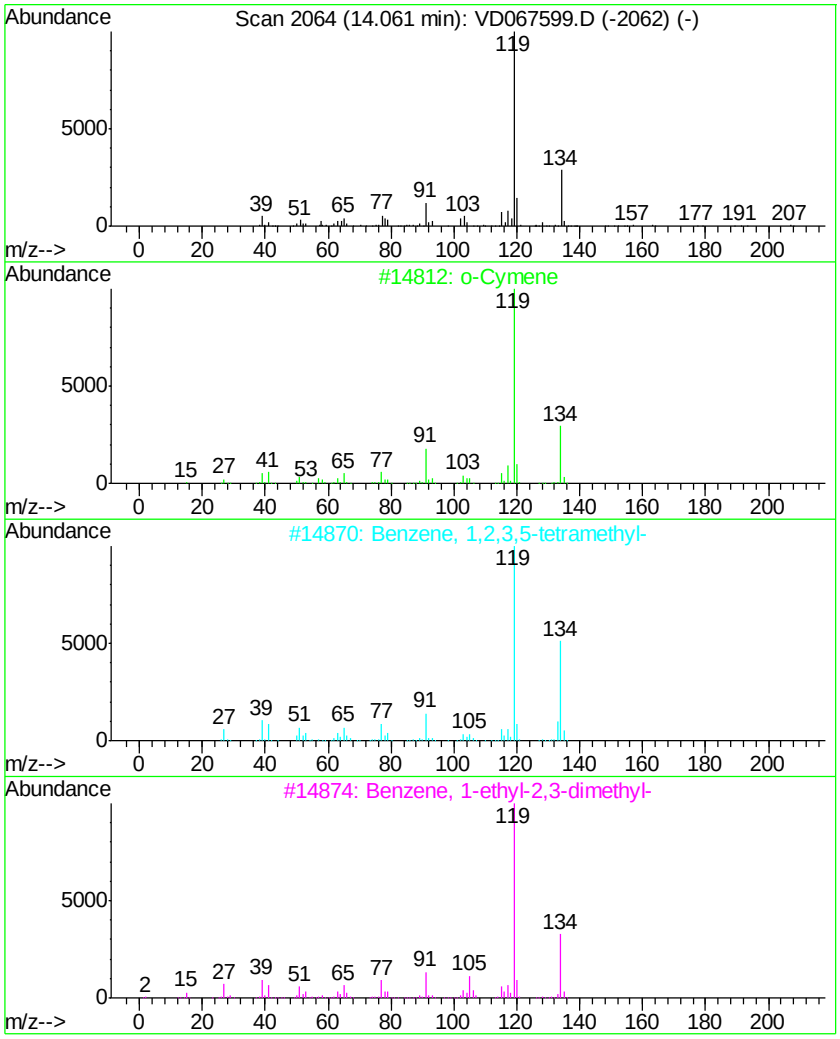
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

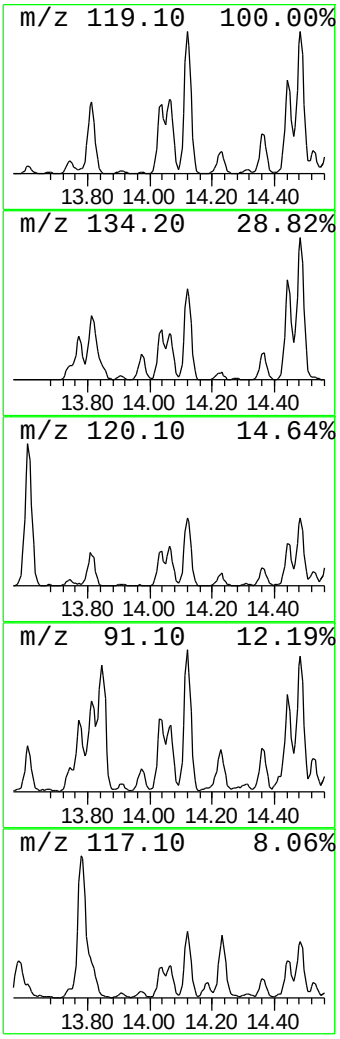
**********

Peak Number 3 o-Cymene Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.06 | 29.91 ug/l | 1149020 | 1,4-Dichlorobenzene-d4 | 13.58 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | o-Cymene | 134 | C10H14 | 000527-84-4 | 93 |
| 2 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 91 |
| 3 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 91 |
| 4 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 91 |
| 5 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 91 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111120\
Data File : VD067599.D
Acq On : 11 Nov 2020 13:46
Operator : VA/SY
Sample : L4702-04
Misc : 6.22G/5.00ml/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** M-99(0-10)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
Quant Title : SW846 8260

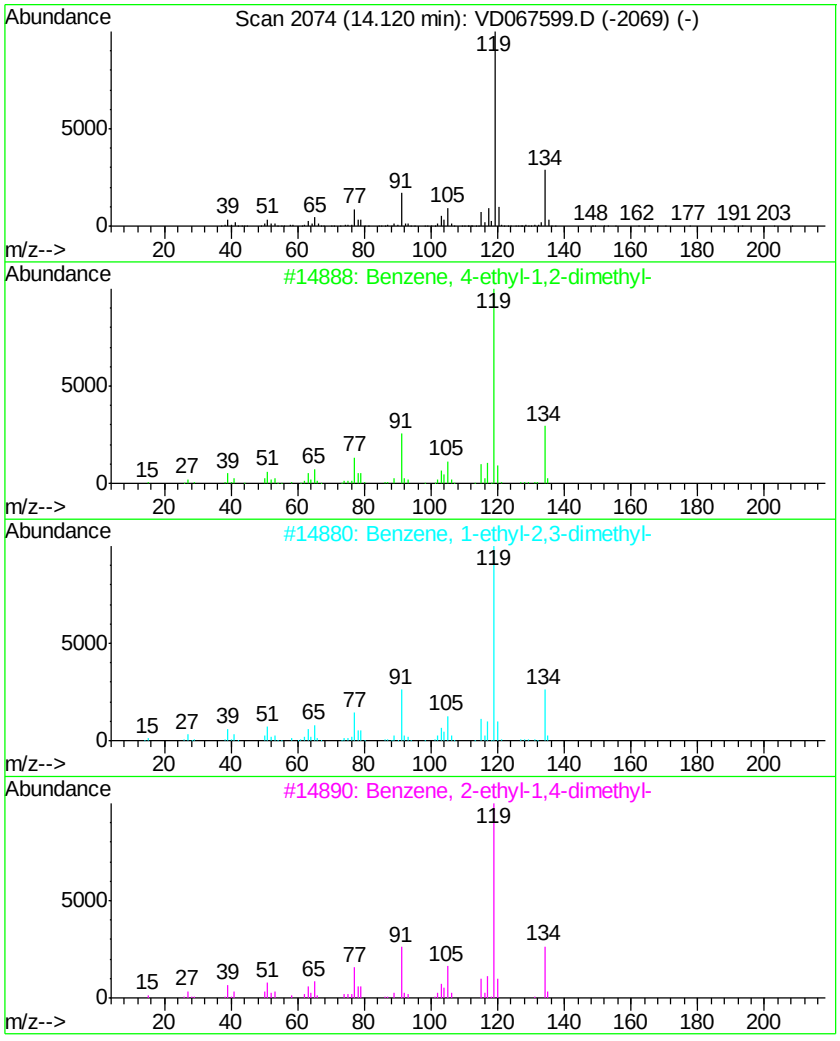
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

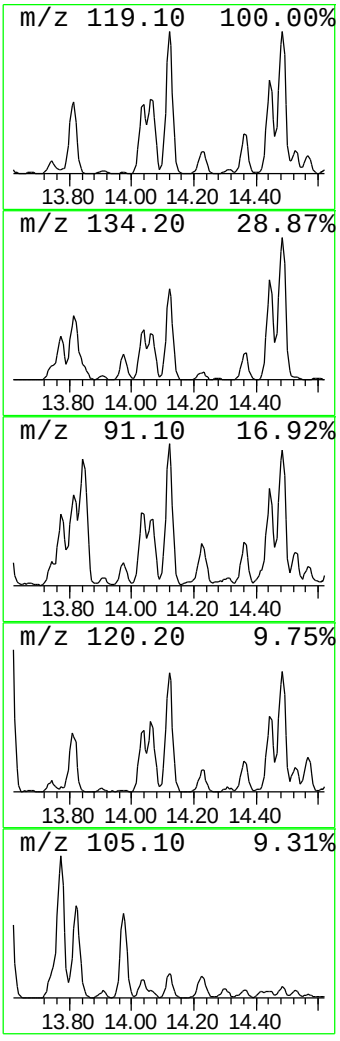
**********

Peak Number 4 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.12 | 61.42 ug/l | 2359670 | 1,4-Dichlorobenzene-d4 | 13.58 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14 | 000934-80-5 | 95 |
| 2 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 95 |
| 3 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 95 |
| 4 | Benzene, 1-ethyl-2,4-dimethyl- | 134 | C10H14 | 000874-41-9 | 94 |
| 5 | Benzene, 2-ethyl-1,3-dimethyl- | 134 | C10H14 | 002870-04-4 | 94 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111120\
Data File : VD067599.D
Acq On : 11 Nov 2020 13:46
Operator : VA/SY
Sample : L4702-04
Misc : 6.22G/5.00ml/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** M-99(0-10)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
Quant Title : SW846 8260

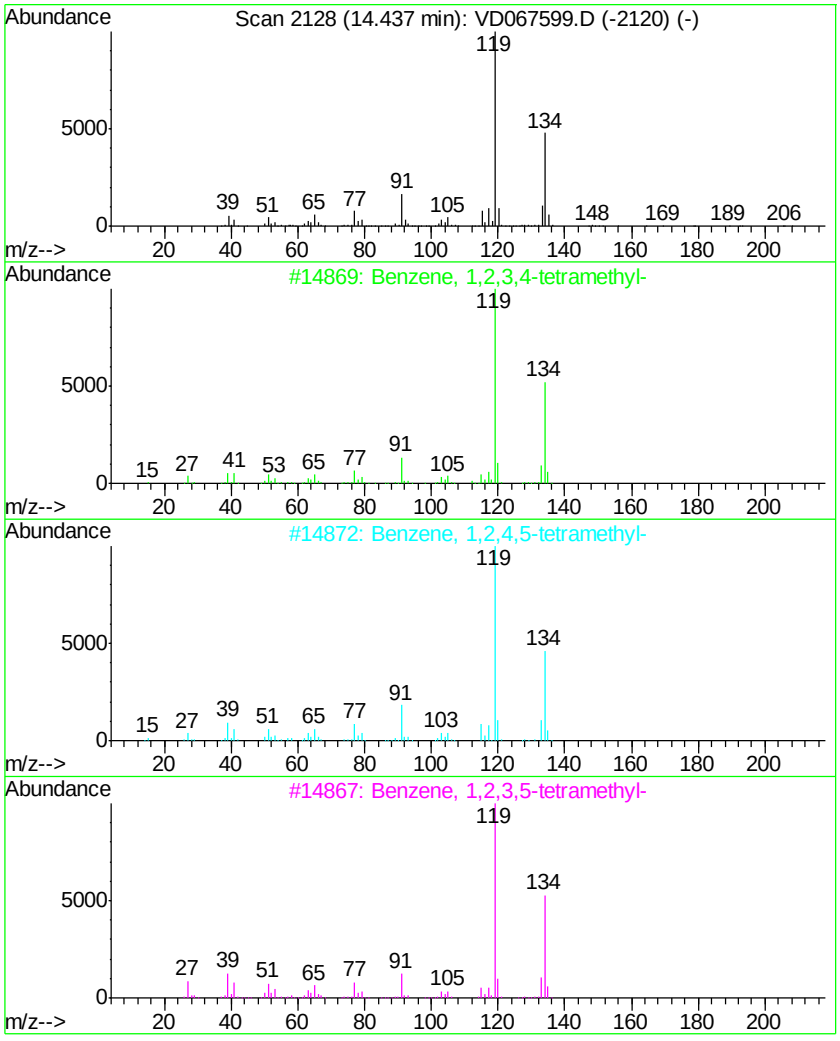
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

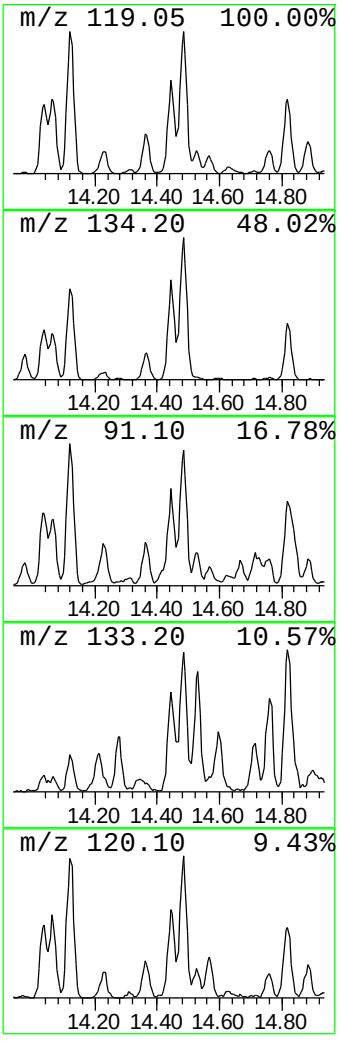
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.44 | 46.92 ug/l | 1802450 | 1,4-Dichlorobenzene-d4 | 13.58 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 97 |
| 2 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 96 |
| 3 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 95 |
| 4 | Benzene, 1-ethyl-3,5-dimethyl- | 134 | C10H14 | 000934-74-7 | 94 |
| 5 | o-Cymene | 134 | C10H14 | 000527-84-4 | 91 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111120\
Data File : VD067599.D
Acq On : 11 Nov 2020 13:46
Operator : VA/SY
Sample : L4702-04
Misc : 6.22G/5.00ml/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** M-99(0-10)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
Quant Title : SW846 8260

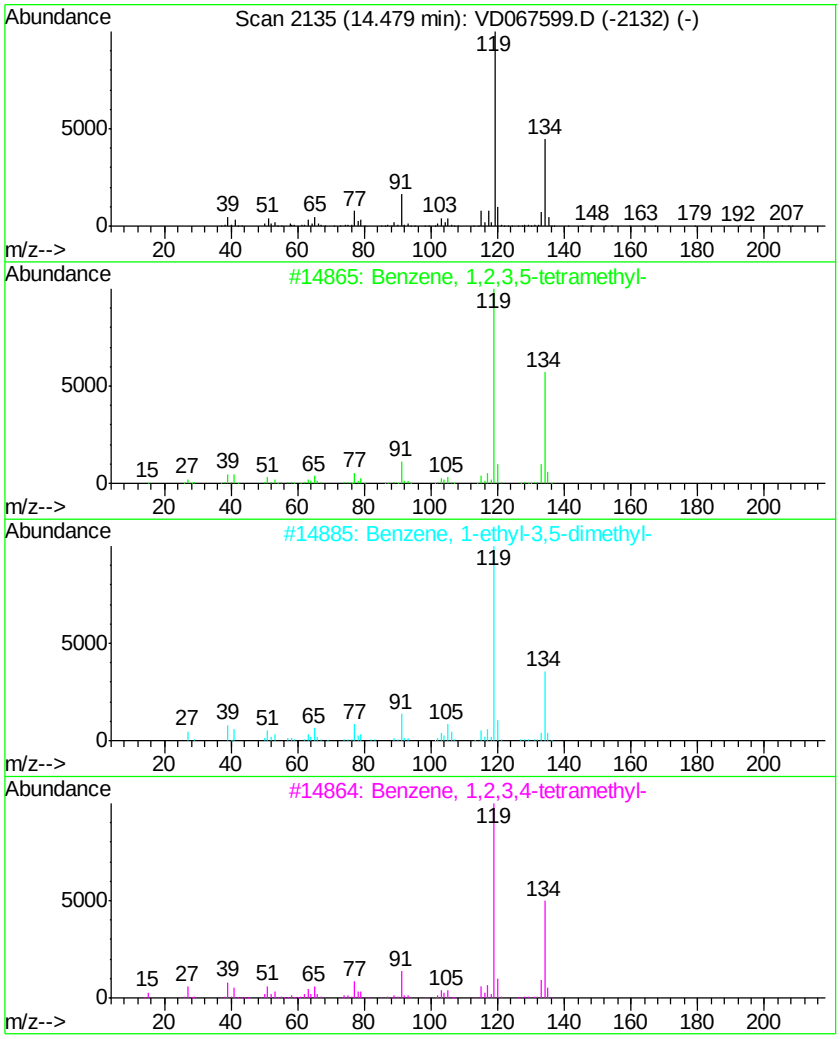
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

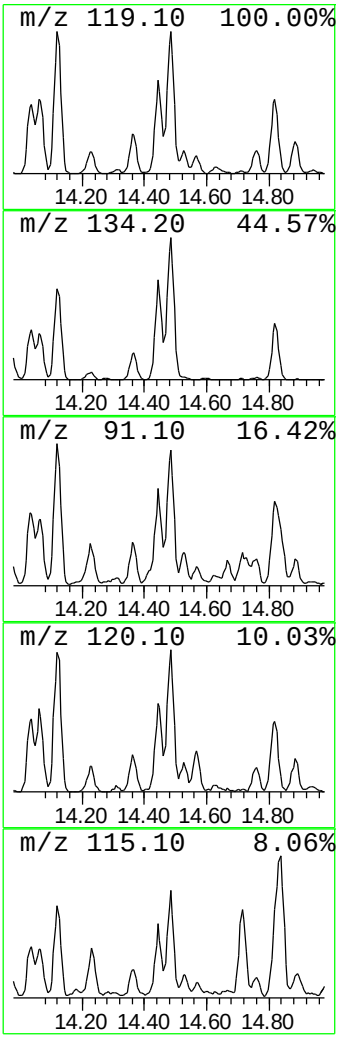
**********

Peak Number 6 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.48 | 66.46 ug/l | 2553330 | 1,4-Dichlorobenzene-d4 | 13.58 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 95 |
| 2 | Benzene, 1-ethyl-3,5-dimethyl- | 134 | C10H14 | 000934-74-7 | 94 |
| 3 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 94 |
| 4 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 94 |
| 5 | 1,3-Cyclopentadiene, 1,2,3,4-tet... | 134 | C10H14 | 076089-59-3 | 91 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111120\
Data File : VD067599.D
Acq On : 11 Nov 2020 13:46
Operator : VA/SY
Sample : L4702-04
Misc : 6.22G/5.00ml/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** M-99(0-10)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
Quant Title : SW846 8260

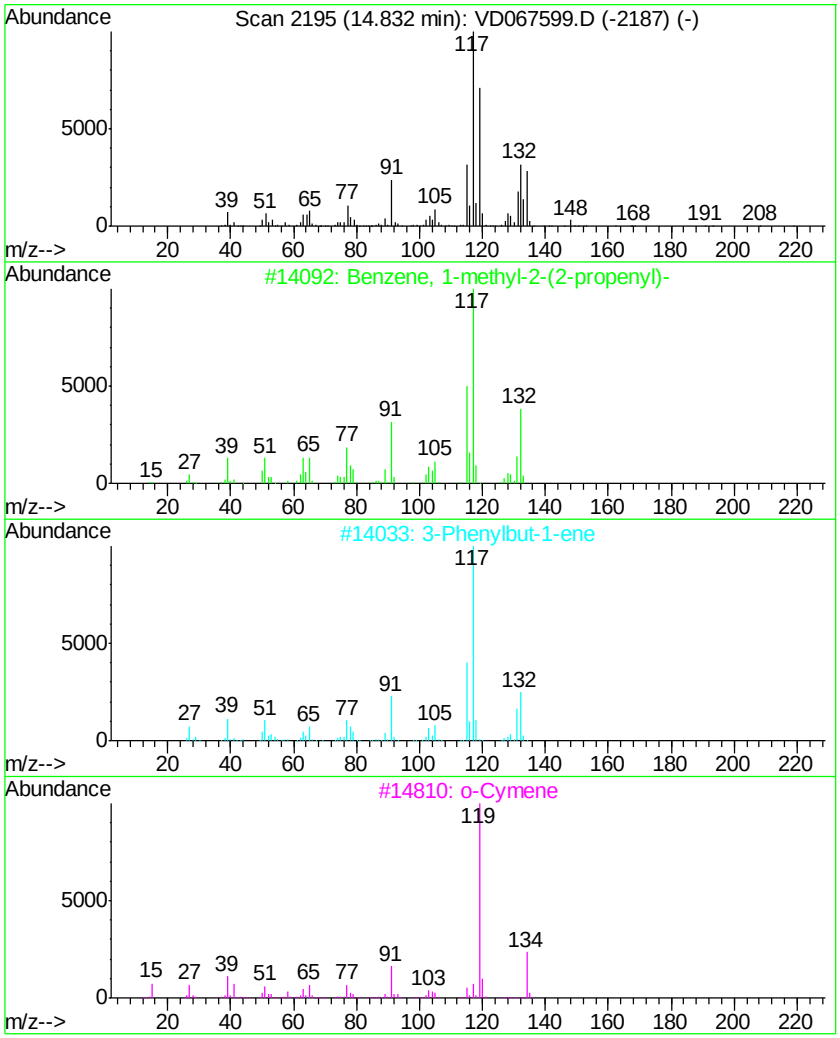
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

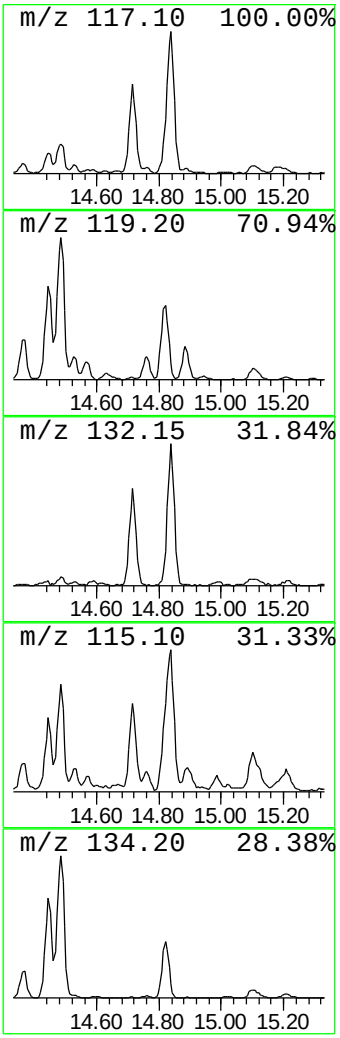
**********

Peak Number 7 Benzene, 1-methyl-2-(2-prop... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.83 | 68.57 ug/l | 2634190 | 1,4-Dichlorobenzene-d4 | 13.58 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12 | 001587-04-8 | 80 |
| 2 | 3-Phenylbut-1-ene | 132 | C10H12 | 000934-10-1 | 80 |
| 3 | o-Cymene | 134 | C10H14 | 000527-84-4 | 60 |
| 4 | p-Cymene | 134 | C10H14 | 000099-87-6 | 60 |
| 5 | Benzene, 2-ethyl-1,3-dimethyl- | 134 | C10H14 | 002870-04-4 | 60 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111120\
Data File : VD067599.D
Acq On : 11 Nov 2020 13:46
Operator : VA/SY
Sample : L4702-04
Misc : 6.22G/5.00ml/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** M-99(0-10)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
Quant Title : SW846 8260

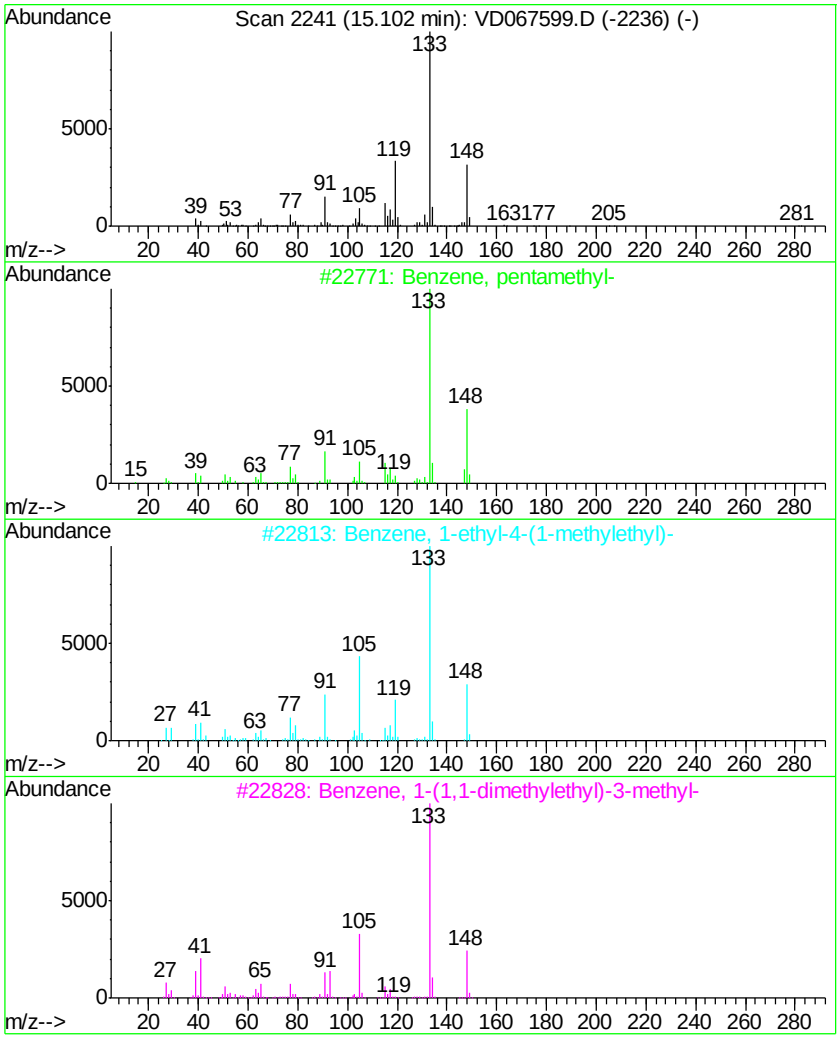
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

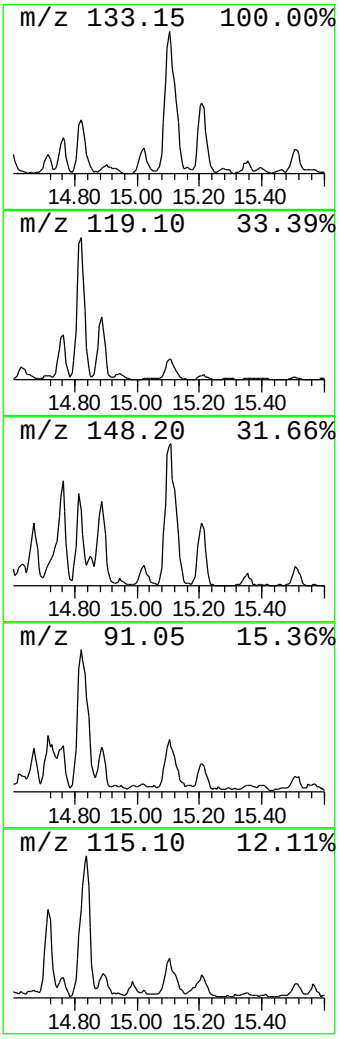
**********

Peak Number 8 Benzene, pentamethyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.10 | 30.27 ug/l | 1162730 | 1,4-Dichlorobenzene-d4 | 13.58 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, pentamethyl- | 148 | C11H16 | 000700-12-9 | 91 |
| 2 | Benzene, 1-ethyl-4-(1-methylethyl)- | 148 | C11H16 | 004218-48-8 | 90 |
| 3 | Benzene, 1-(1,1-dimethylethyl)-3... | 148 | C11H16 | 001075-38-3 | 81 |
| 4 | Benzene, 1-ethyl-3-(1-methylethyl)- | 148 | C11H16 | 004920-99-4 | 80 |
| 5 | Benzene, 2,4-dimethyl-1-(1-methy... | 148 | C11H16 | 004706-89-2 | 74 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111120\
Data File : VD067599.D
Acq On : 11 Nov 2020 13:46
Operator : VA/SY
Sample : L4702-04
Misc : 6.22G/5.00ml/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** M-99(0-10)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
Quant Title : SW846 8260

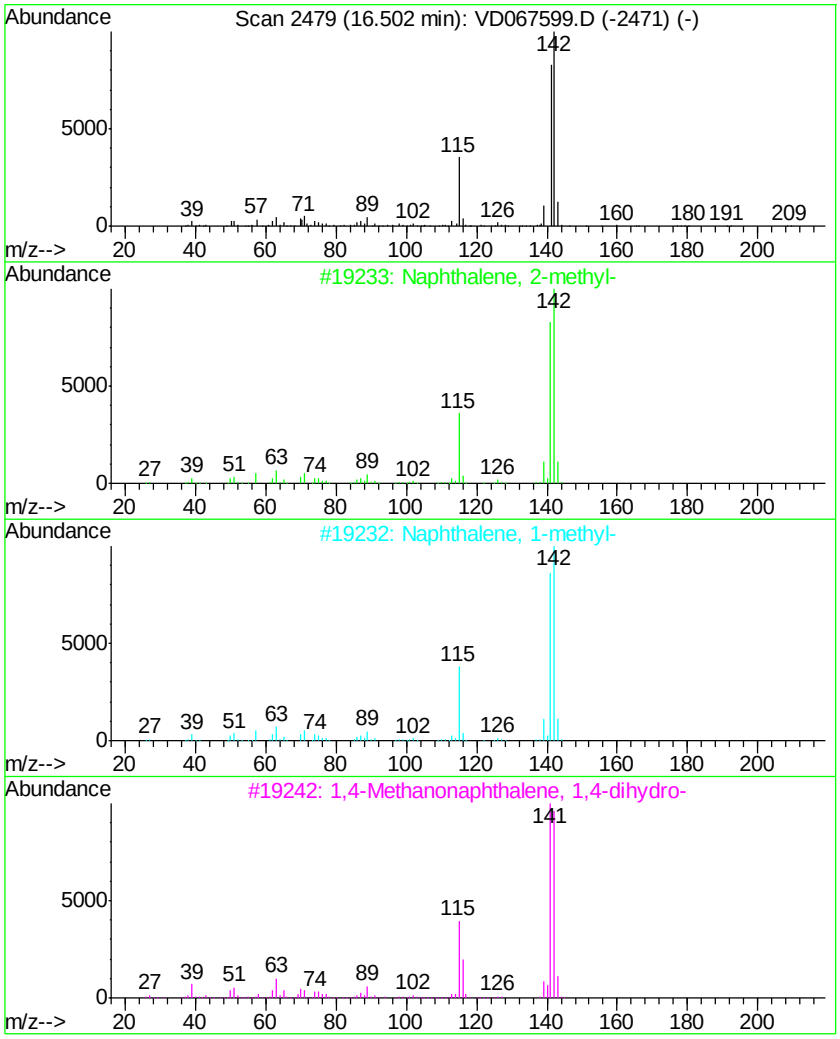
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

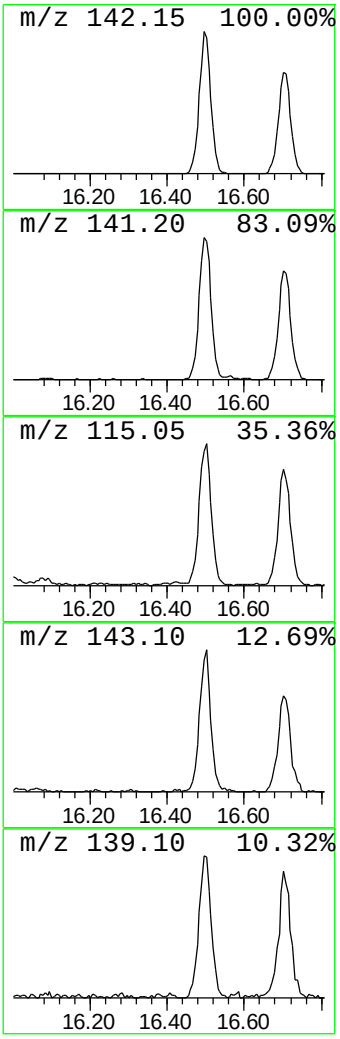
**********

Peak Number 9 Naphthalene, 1-methyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.50 | 24.39 ug/l | 936914 | 1,4-Dichlorobenzene-d4 | 13.58 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 96 |
| 2 | Naphthalene, 1-methyl- | 142 | C11H10 | 000090-12-0 | 96 |
| 3 | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10 | 004453-90-1 | 91 |
| 4 | Benzocycloheptatriene | 142 | C11H10 | 000264-09-5 | 91 |
| 5 | Naphthalene, 1-(2-hydroxypropyl) | 186 | C13H14O | 027653-13-0 | 83 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111120\
Data File : VD067599.D
Acq On : 11 Nov 2020 13:46
Operator : VA/SY
Sample : L4702-04
Misc : 6.22G/5.00ml/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** M-99(0-10)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
Quant Title : SW846 8260

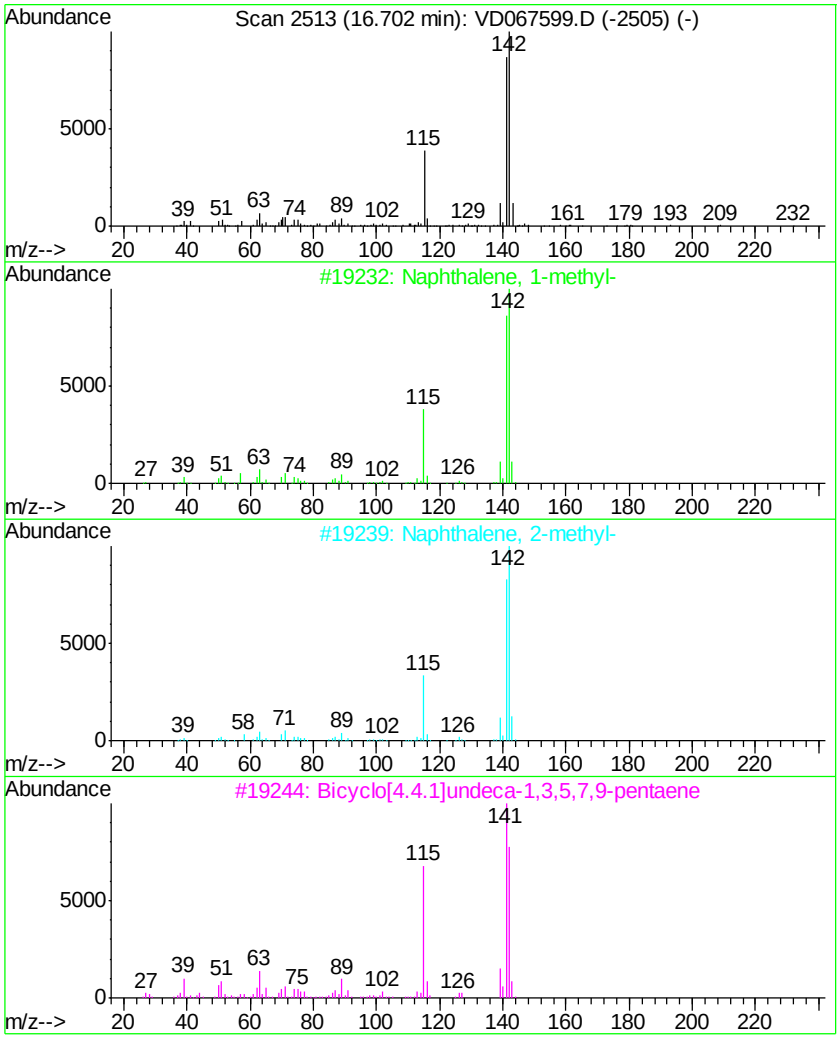
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

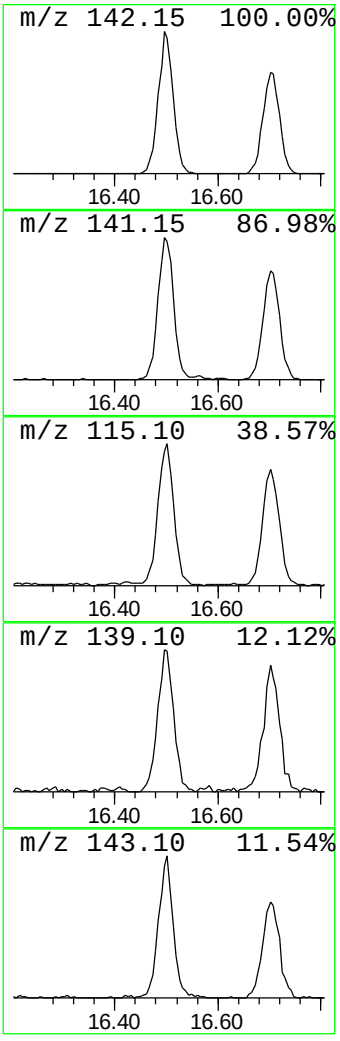
**********

Peak Number 10 Bicyclo[4.4.1]undeca-1,3,5,... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.70 | 25.72 ug/l | 988014 | 1,4-Dichlorobenzene-d4 | 13.58 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1-methyl- | 142 | C11H10 | 000090-12-0 | 97 |
| 2 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 97 |
| 3 | Bicyclo[4.4.1]undeca-1,3,5,7,9-p... | 142 | C11H10 | 002443-46-1 | 91 |
| 4 | Benzocycloheptatriene | 142 | C11H10 | 000264-09-5 | 91 |
| 5 | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10 | 004453-90-1 | 83 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD111120\
Data File : VD067599.D
Acq On : 11 Nov 2020 13:46
Operator : VA/SY
Sample : L4702-04
Misc : 6.22G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** M-99(0-10)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
Quant Title : SW846 8260

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

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Benzene, 1-methyl... | 13.77 | 59.3 | ug/l | 2278620 | 4 | 13.58 | 1920900 | 50.0 |
| Benzene, 2-ethyl-... | 14.04 | 35.1 | ug/l | 1350080 | 4 | 13.58 | 1920900 | 50.0 |
| o-Cymene | 14.06 | 29.9 | ug/l | 1149020 | 4 | 13.58 | 1920900 | 50.0 |
| Benzene, 4-ethyl-... | 14.12 | 61.4 | ug/l | 2359670 | 4 | 13.58 | 1920900 | 50.0 |
| Benzene, 1,2,3,4-... | 14.44 | 46.9 | ug/l | 1802450 | 4 | 13.58 | 1920900 | 50.0 |
| Benzene, 1,2,3,5-... | 14.48 | 66.5 | ug/l | 2553330 | 4 | 13.58 | 1920900 | 50.0 |
| Benzene, 1-methyl... | 14.83 | 68.6 | ug/l | 2634190 | 4 | 13.58 | 1920900 | 50.0 |
| Benzene, pentamet... | 15.10 | 30.3 | ug/l | 1162730 | 4 | 13.58 | 1920900 | 50.0 |
| Naphthalene, 1-me... | 16.50 | 24.4 | ug/l | 936914 | 4 | 13.58 | 1920900 | 50.0 |
| Bicyclo[4.4.1]und... | 16.70 | 25.7 | ug/l | 988014 | 4 | 13.58 | 1920900 | 50.0 |