LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112520\
Data File : VX019652.D
Acq On : 25 Nov 2020 13:35
Operator : JC/MD
Sample : L4840-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** 16857

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_X\METHOD\82X112120W.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 | 2.416 | 213 | 218 | 222 | rBV | 47886 | 78788 | 4.98% | 0.382% |
| 2 | 2.459 | 222 | 225 | 236 | rVB | 24036 | 41876 | 2.65% | 0.203% |
| 3 | 2.581 | 236 | 245 | 261 | rVB | 36852 | 72979 | 4.61% | 0.354% |
| 4 | 2.995 | 304 | 313 | 327 | rVB3 | 9054 | 27915 | 1.76% | 0.136% |
| 5 | 3.166 | 334 | 341 | 348 | rBV | 8515 | 19885 | 1.26% | 0.097% |
| 6 | 5.465 | 705 | 718 | 732 | rBV | 177154 | 505472 | 31.94% | 2.454% |
| 7 | 5.629 | 733 | 745 | 762 | rVB | 321455 | 892990 | 56.43% | 4.335% |
| 8 | 6.032 | 799 | 811 | 821 | rBV | 202473 | 529920 | 33.49% | 2.572% |
| 9 | 6.830 | 932 | 942 | 961 | rBV | 496412 | 1162590 | 73.47% | 5.644% |
| 10 | 8.696 | 1240 | 1248 | 1255 | rBV | 1018278 | 1582493 | 100.00% | 7.682% |
| 11 | 8.763 | 1255 | 1259 | 1269 | rVB | 17719 | 31433 | 1.99% | 0.153% |
| 12 | 10.098 | 1468 | 1478 | 1496 | rVB | 972201 | 1395277 | 88.17% | 6.773% |
| 13 | 10.342 | 1511 | 1518 | 1524 | rVB | 94262 | 128805 | 8.14% | 0.625% |
| 14 | 10.683 | 1568 | 1574 | 1585 | rVB | 243030 | 324627 | 20.51% | 1.576% |
| 15 | 11.122 | 1638 | 1646 | 1656 | rBV | 817042 | 1059563 | 66.96% | 5.144% |
| 16 | 11.421 | 1689 | 1695 | 1702 | rBV | 62374 | 113673 | 7.18% | 0.552% |
| 17 | 11.488 | 1702 | 1706 | 1717 | rVB | 89876 | 127235 | 8.04% | 0.618% |
| 18 | 11.652 | 1727 | 1733 | 1738 | rVB | 101727 | 128488 | 8.12% | 0.624% |
| 19 | 11.793 | 1751 | 1756 | 1761 | rVB | 102765 | 125076 | 7.90% | 0.607% |
| 20 | 12.006 | 1783 | 1791 | 1795 | rBV | 28496 | 38209 | 2.41% | 0.185% |
| 21 | 12.061 | 1795 | 1800 | 1806 | rVV | 1038830 | 1281346 | 80.97% | 6.220% |
| 22 | 12.128 | 1806 | 1811 | 1823 | rVB | 236652 | 296741 | 18.75% | 1.441% |
| 23 | 12.256 | 1828 | 1832 | 1833 | rBV | 32030 | 36371 | 2.30% | 0.177% |
| 24 | 12.280 | 1833 | 1836 | 1839 | rBV | 112386 | 133555 | 8.44% | 0.648% |
| 25 | 12.354 | 1844 | 1848 | 1858 | rVB2 | 135223 | 194801 | 12.31% | 0.946% |
| 26 | 12.445 | 1858 | 1863 | 1868 | rBV3 | 22533 | 33864 | 2.14% | 0.164% |
| 27 | 12.500 | 1868 | 1872 | 1877 | rVB | 60527 | 75072 | 4.74% | 0.364% |
| 28 | 12.567 | 1877 | 1883 | 1885 | rBV | 79545 | 103676 | 6.55% | 0.503% |
| 29 | 12.591 | 1885 | 1887 | 1892 | rVB | 86890 | 99361 | 6.28% | 0.482% |
| 30 | 12.652 | 1892 | 1897 | 1900 | rBV | 146808 | 175093 | 11.06% | 0.850% |
| 31 | 12.683 | 1900 | 1902 | 1906 | rVB | 20741 | 22715 | 1.44% | 0.110% |
| 32 | 12.738 | 1906 | 1911 | 1920 | rBV3 | 112541 | 216186 | 13.66% | 1.049% |
| 33 | 12.835 | 1923 | 1927 | 1930 | rBV | 24757 | 28055 | 1.77% | 0.136% |
| 34 | 12.884 | 1930 | 1935 | 1940 | rVB2 | 81332 | 112012 | 7.08% | 0.544% |

LSC Area Percent Report

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Acq On : 25 Nov 2020 13:35
Operator : JC/MD
Sample : L4840-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** 16857

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_X\METHOD\82X112120W.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 12.963 | 1940 | 1948 | 1951 | rBV | 126630 | 172887 | 10.92% | 0.839% |
| 36 | 13.000 | 1951 | 1954 | 1960 | rVB | 248473 | 292173 | 18.46% | 1.418% |
| 37 | 13.061 | 1960 | 1964 | 1965 | rBV | 33540 | 34593 | 2.19% | 0.168% |
| 38 | 13.085 | 1965 | 1968 | 1970 | rVV2 | 29903 | 38563 | 2.44% | 0.187% |
| 39 | 13.110 | 1970 | 1972 | 1974 | rVB | 22704 | 19302 | 1.22% | 0.094% |
| 40 | 13.177 | 1980 | 1983 | 1984 | rBV | 32457 | 33013 | 2.09% | 0.160% |
| 41 | 13.207 | 1984 | 1988 | 1992 | rVV | 190708 | 243756 | 15.40% | 1.183% |
| 42 | 13.250 | 1992 | 1995 | 1998 | rVB2 | 35630 | 40744 | 2.57% | 0.198% |
| 43 | 13.292 | 1998 | 2002 | 2004 | rBV3 | 56069 | 79222 | 5.01% | 0.385% |
| 44 | 13.329 | 2004 | 2008 | 2013 | rVV2 | 641978 | 896374 | 56.64% | 4.351% |
| 45 | 13.378 | 2013 | 2016 | 2019 | rVV3 | 32842 | 53550 | 3.38% | 0.260% |
| 46 | 13.408 | 2019 | 2021 | 2025 | rVV | 35182 | 39723 | 2.51% | 0.193% |
| 47 | 13.463 | 2025 | 2030 | 2038 | rVB | 422522 | 541864 | 34.24% | 2.630% |
| 48 | 13.542 | 2038 | 2043 | 2046 | rBV2 | 58707 | 83090 | 5.25% | 0.403% |
| 49 | 13.585 | 2046 | 2050 | 2052 | rVV | 109582 | 144562 | 9.14% | 0.702% |
| 50 | 13.622 | 2052 | 2056 | 2062 | rVV3 | 164020 | 318232 | 20.11% | 1.545% |
| 51 | 13.683 | 2062 | 2066 | 2067 | rVV2 | 73074 | 106391 | 6.72% | 0.516% |
| 52 | 13.701 | 2067 | 2069 | 2075 | rVB2 | 154175 | 218265 | 13.79% | 1.060% |
| 53 | 13.756 | 2075 | 2078 | 2081 | rBV3 | 11286 | 15960 | 1.01% | 0.077% |
| 54 | 13.817 | 2085 | 2088 | 2094 | rVB2 | 67305 | 104746 | 6.62% | 0.508% |
| 55 | 13.896 | 2094 | 2101 | 2106 | rVB | 198195 | 286389 | 18.10% | 1.390% |
| 56 | 13.963 | 2106 | 2112 | 2117 | rBV2 | 242578 | 349723 | 22.10% | 1.698% |
| 57 | 14.012 | 2117 | 2120 | 2123 | rVB | 79676 | 91489 | 5.78% | 0.444% |
| 58 | 14.115 | 2132 | 2137 | 2141 | rBV | 200947 | 239458 | 15.13% | 1.162% |
| 59 | 14.219 | 2148 | 2154 | 2156 | rBV2 | 28127 | 45908 | 2.90% | 0.223% |
| 60 | 14.268 | 2156 | 2162 | 2166 | rVV | 634763 | 1007671 | 63.68% | 4.892% |
| 61 | 14.298 | 2166 | 2167 | 2174 | rVV | 53667 | 59585 | 3.77% | 0.289% |
| 62 | 14.359 | 2174 | 2177 | 2182 | rVV | 113001 | 140469 | 8.88% | 0.682% |
| 63 | 14.414 | 2182 | 2186 | 2190 | rVV | 216303 | 273558 | 17.29% | 1.328% |
| 64 | 14.457 | 2190 | 2193 | 2198 | rVB2 | 37973 | 50582 | 3.20% | 0.246% |
| 65 | 14.518 | 2198 | 2203 | 2209 | rBV2 | 508676 | 665582 | 42.06% | 3.231% |
| 66 | 14.652 | 2221 | 2225 | 2228 | rVV | 200157 | 308240 | 19.48% | 1.496% |
| 67 | 14.713 | 2232 | 2235 | 2239 | rVB | 140598 | 176834 | 11.17% | 0.858% |
| 68 | 14.768 | 2239 | 2244 | 2247 | rBV2 | 49002 | 65223 | 4.12% | 0.317% |
| 69 | 14.823 | 2248 | 2253 | 2256 | rVV | 117173 | 168523 | 10.65% | 0.818% |
| 70 | 14.859 | 2256 | 2259 | 2261 | rVV2 | 102835 | 139431 | 8.81% | 0.677% |
| 71 | 14.884 | 2261 | 2263 | 2268 | rVV2 | 73502 | 100736 | 6.37% | 0.489% |

LSC Area Percent Report

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Data File : VX019652.D
Acq On : 25 Nov 2020 13:35
Operator : JC/MD
Sample : L4840-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** 16857

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_X\METHOD\82X112120W.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 14.945 | 2268 | 2273 | 2279 | rVV2 | 103263 | 192970 | 12.19% | 0.937% |
| 73 | 15.030 | 2283 | 2287 | 2291 | rVB | 39647 | 59272 | 3.75% | 0.288% |
| 74 | 15.091 | 2291 | 2297 | 2302 | rBV2 | 44555 | 70814 | 4.47% | 0.344% |
| 75 | 15.152 | 2302 | 2307 | 2310 | rVV2 | 32424 | 49508 | 3.13% | 0.240% |
| 76 | 15.188 | 2310 | 2313 | 2315 | rVV | 47912 | 61738 | 3.90% | 0.300% |
| 77 | 15.225 | 2315 | 2319 | 2327 | rVV | 223647 | 409830 | 25.90% | 1.990% |
| 78 | 15.298 | 2327 | 2331 | 2337 | rVV5 | 32534 | 75236 | 4.75% | 0.365% |
| 79 | 15.359 | 2337 | 2341 | 2347 | rVV3 | 31344 | 67979 | 4.30% | 0.330% |
| 80 | 15.420 | 2347 | 2351 | 2360 | rVV5 | 54329 | 128780 | 8.14% | 0.625% |
| 81 | 15.530 | 2364 | 2369 | 2372 | rVV3 | 77615 | 133705 | 8.45% | 0.649% |
| 82 | 15.573 | 2372 | 2376 | 2381 | rVV3 | 55006 | 115392 | 7.29% | 0.560% |
| 83 | 15.664 | 2385 | 2391 | 2394 | rVV | 107389 | 196841 | 12.44% | 0.956% |
| 84 | 15.701 | 2394 | 2397 | 2405 | rVB2 | 51158 | 87339 | 5.52% | 0.424% |
| 85 | 15.896 | 2425 | 2429 | 2433 | rVB3 | 18974 | 26700 | 1.69% | 0.130% |
| 86 | 16.042 | 2449 | 2453 | 2457 | rBV3 | 15271 | 27831 | 1.76% | 0.135% |
| 87 | 16.146 | 2464 | 2470 | 2473 | rBV | 13596 | 25640 | 1.62% | 0.124% |
| 88 | 16.225 | 2480 | 2483 | 2490 | rVB5 | 13977 | 27516 | 1.74% | 0.134% |

Sum of corrected areas: 20599644

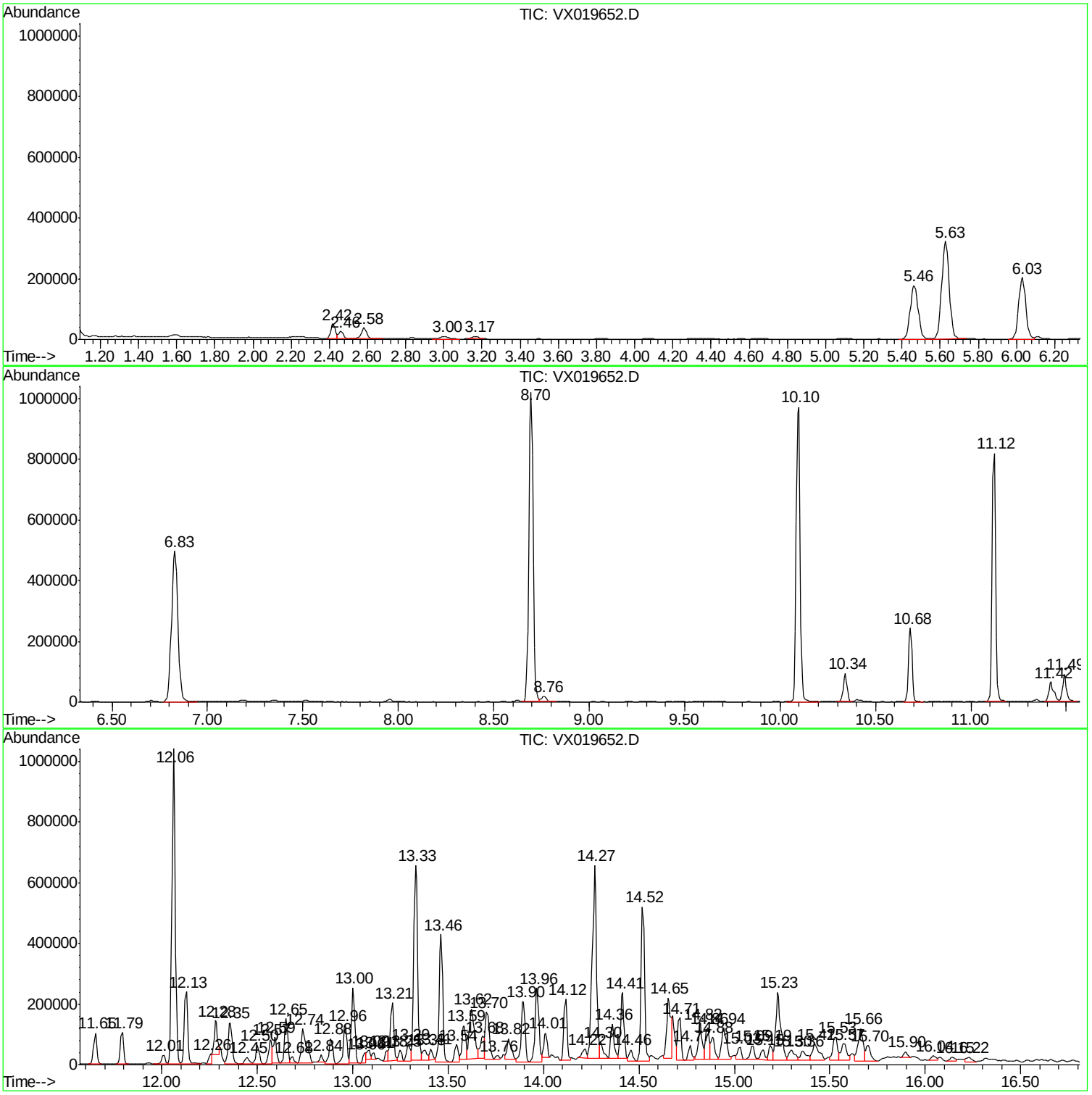
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX112520\
Data File : VX019652.D
Acq On : 25 Nov 2020 13:35
Operator : JC/MD
Sample : L4840-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** 16857

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.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_X\DATA\VX112520\
Data File : VX019652.D
Acq On : 25 Nov 2020 13:35
Operator : JC/MD
Sample : L4840-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** 16857

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
Quant Title : SW846 8260

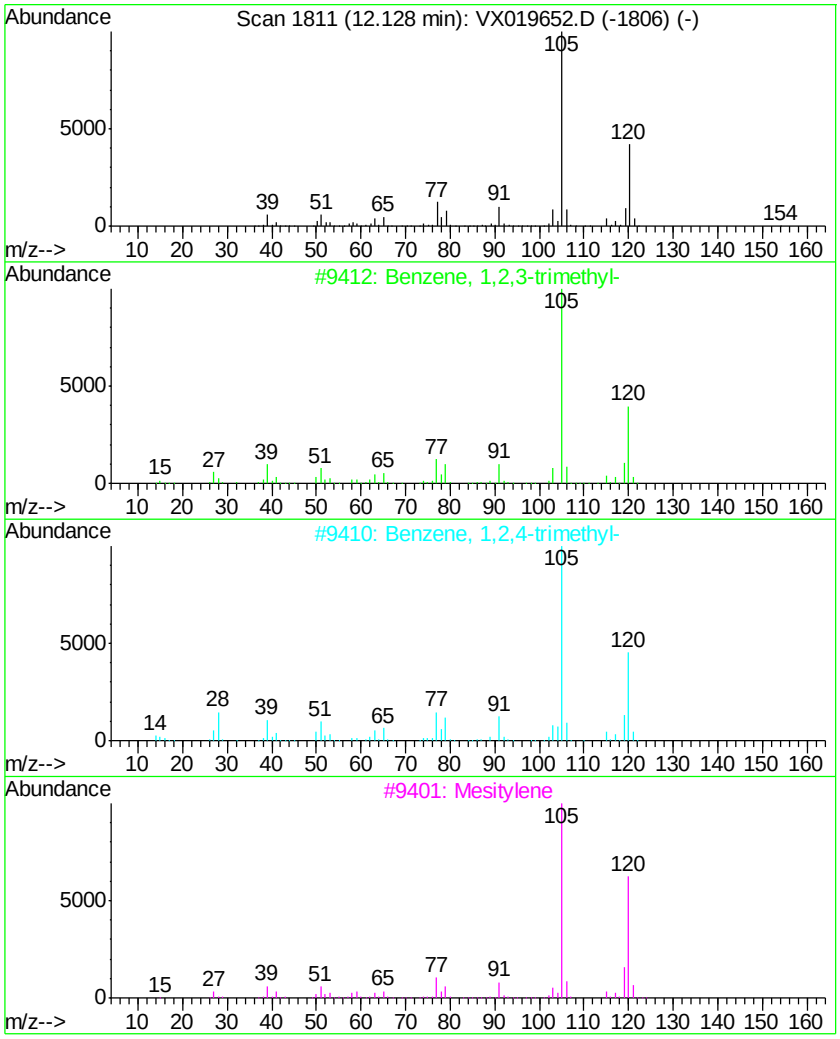
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

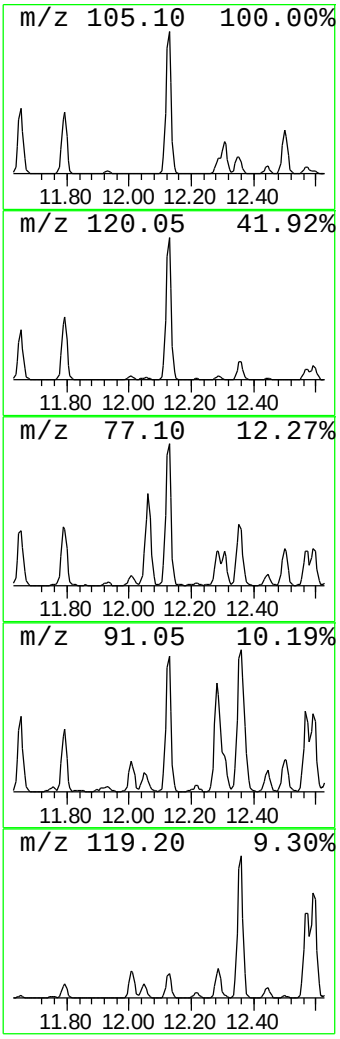
**********

Peak Number 1 Benzene, 1-ethyl-3-methyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.13 | 11.58 ug/l | 296741 | 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 | 94 |
| 3 | Mesitylene | 120 | C9H12 | 000108-67-8 | 91 |
| 4 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 91 |
| 5 | Benzene, 1-ethyl-4-methyl- | 120 | C9H12 | 000622-96-8 | 90 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX112520\
Data File : VX019652.D
Acq On : 25 Nov 2020 13:35
Operator : JC/MD
Sample : L4840-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** 16857

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
Quant Title : SW846 8260

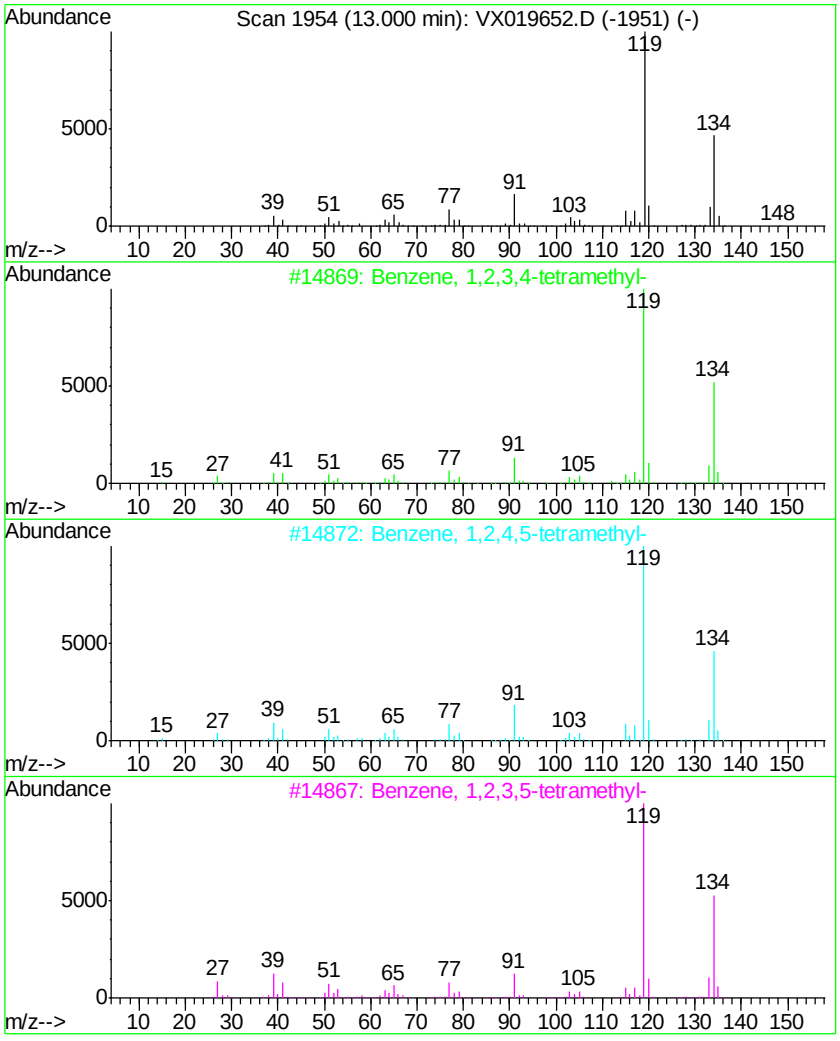
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

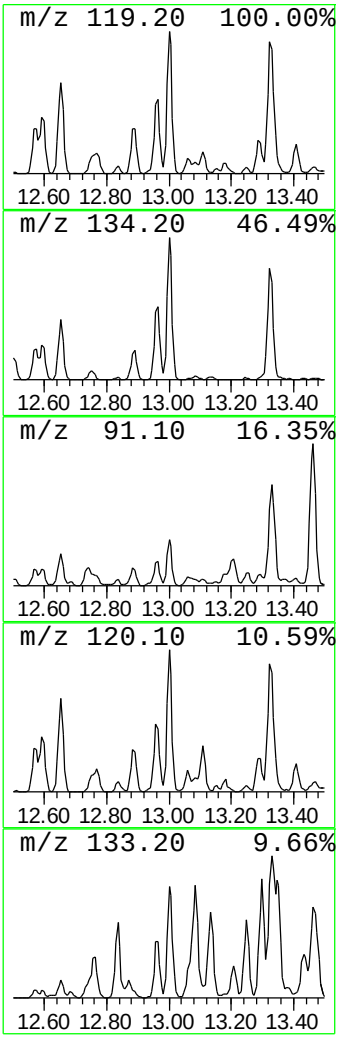
**********

Peak Number 2 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.00 | 11.40 ug/l | 292173 | 1,4-Dichlorobenzene-d4 | 12.06 |

| 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 | 97 |
| 3 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 97 |
| 4 | o-Cymene | 134 | C10H14 | 000527-84-4 | 95 |
| 5 | Benzene, 1-ethyl-2,4-dimethyl- | 134 | C10H14 | 000874-41-9 | 94 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX112520\
Data File : VX019652.D
Acq On : 25 Nov 2020 13:35
Operator : JC/MD
Sample : L4840-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** 16857

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
Quant Title : SW846 8260

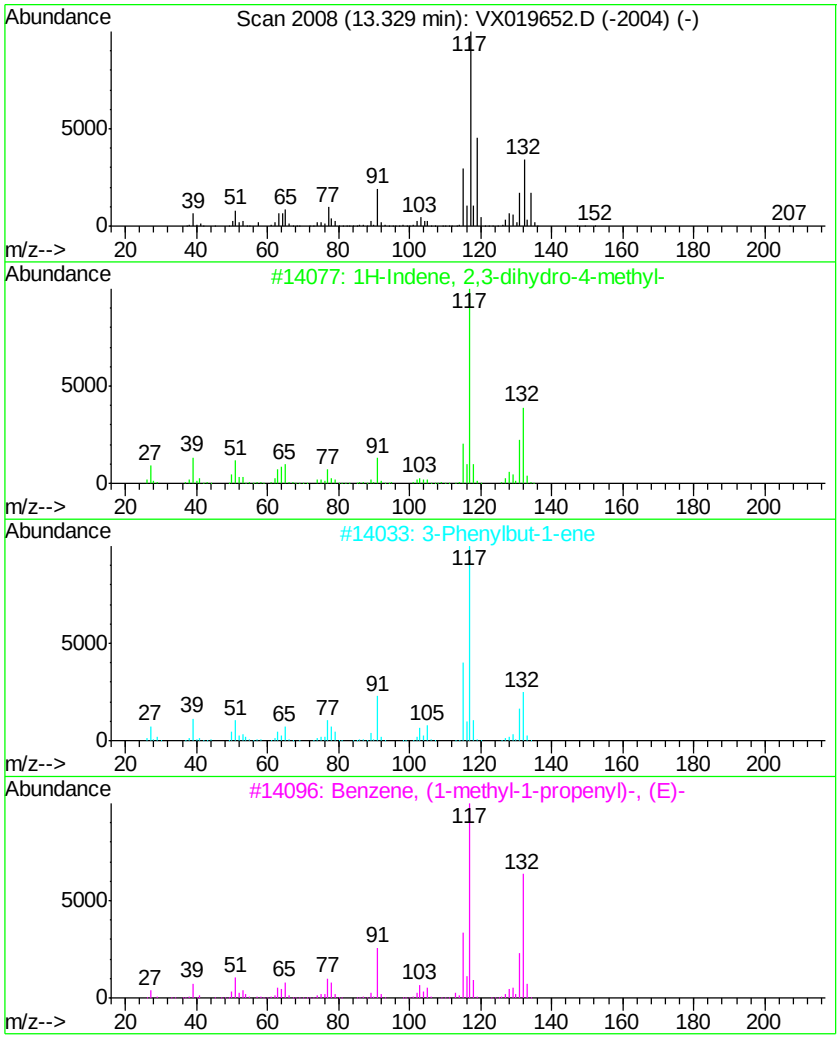
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

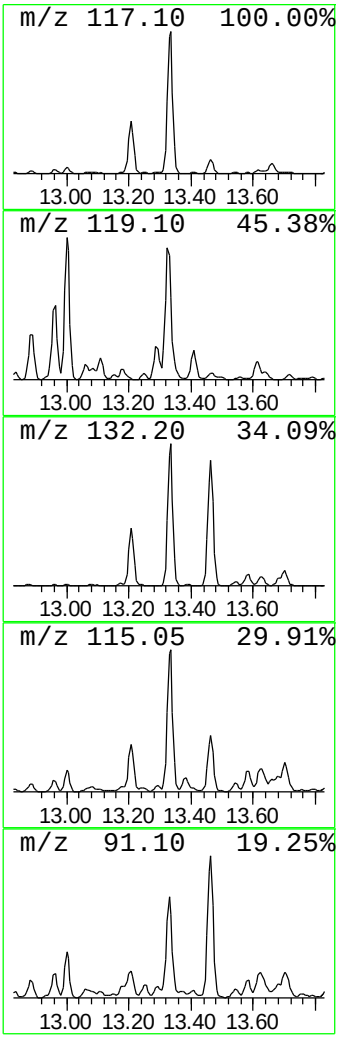
**********

Peak Number 3 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.33 | 34.98 ug/l | 896374 | 1,4-Dichlorobenzene-d4 | 12.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12 | 000824-22-6 | 92 |
| 2 | 3-Phenylbut-1-ene | 132 | C10H12 | 000934-10-1 | 89 |
| 3 | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12 | 000768-00-3 | 76 |
| 4 | 1-Phenyl-1-butene | 132 | C10H12 | 000824-90-8 | 76 |
| 5 | Indan, 1-methyl- | 132 | C10H12 | 000767-58-8 | 76 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX112520\
Data File : VX019652.D
Acq On : 25 Nov 2020 13:35
Operator : JC/MD
Sample : L4840-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** 16857

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
Quant Title : SW846 8260

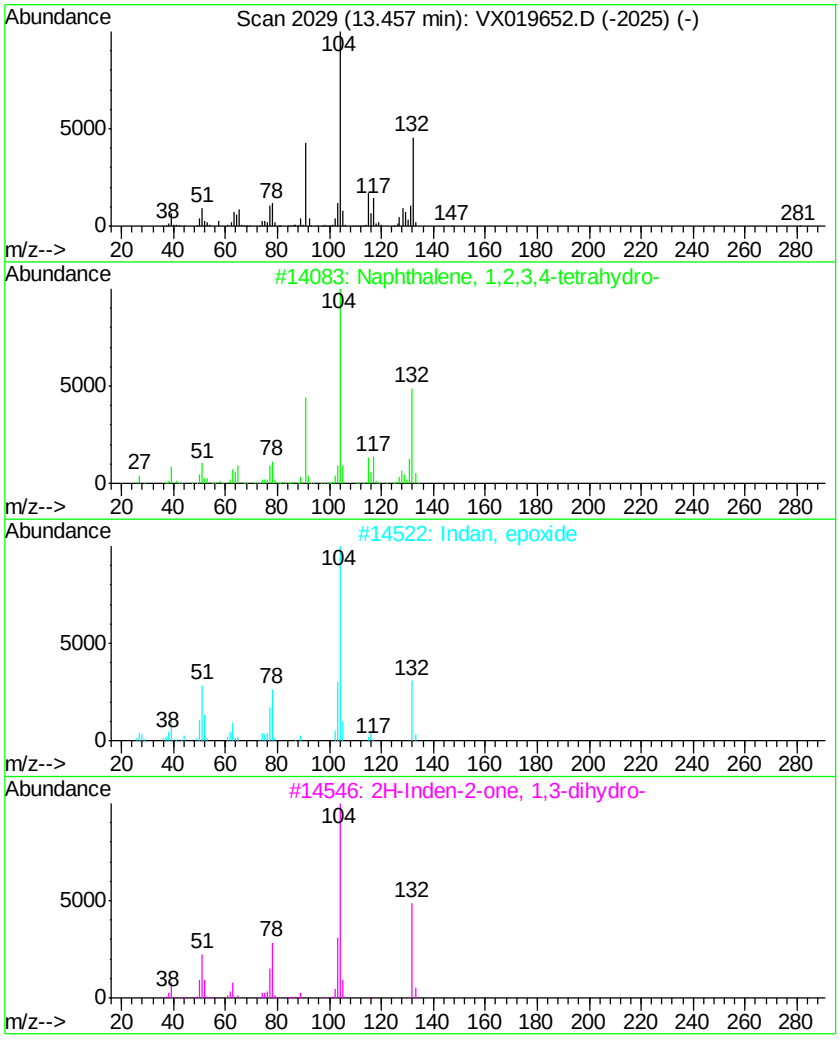
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

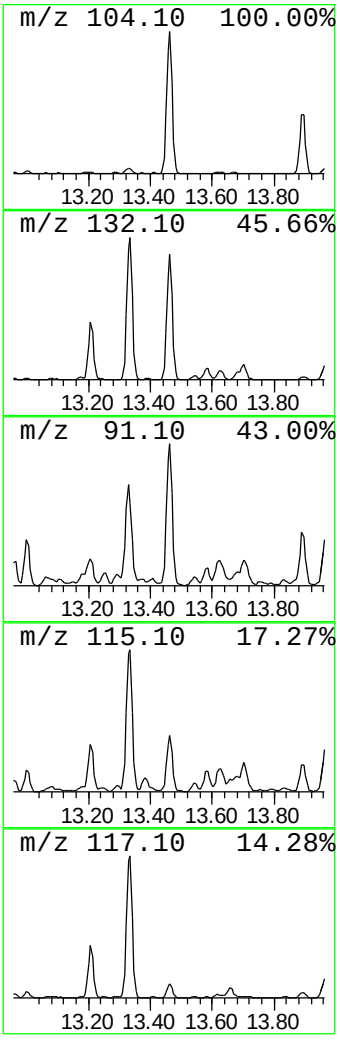
**********

Peak Number 4 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.46 | 21.14 ug/l | 541864 | 1,4-Dichlorobenzene-d4 | 12.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,2,3,4-tetrahydro- | 132 | C10H12 | 000119-64-2 | 93 |
| 2 | Indan, epoxide | 132 | C9H8O | 000768-22-9 | 53 |
| 3 | 2H-Inden-2-one, 1,3-dihydro- | 132 | C9H8O | 000615-13-4 | 50 |
| 4 | N-Ethylbenzimidoyl bromide | 211 | C9H10BrN | 041182-87-0 | 40 |
| 5 | Pentafluoropropionic acid, 2-phe... | 268 | C11H9F5O2 | 081089-48-7 | 38 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX112520\
Data File : VX019652.D
Acq On : 25 Nov 2020 13:35
Operator : JC/MD
Sample : L4840-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** 16857

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
Quant Title : SW846 8260

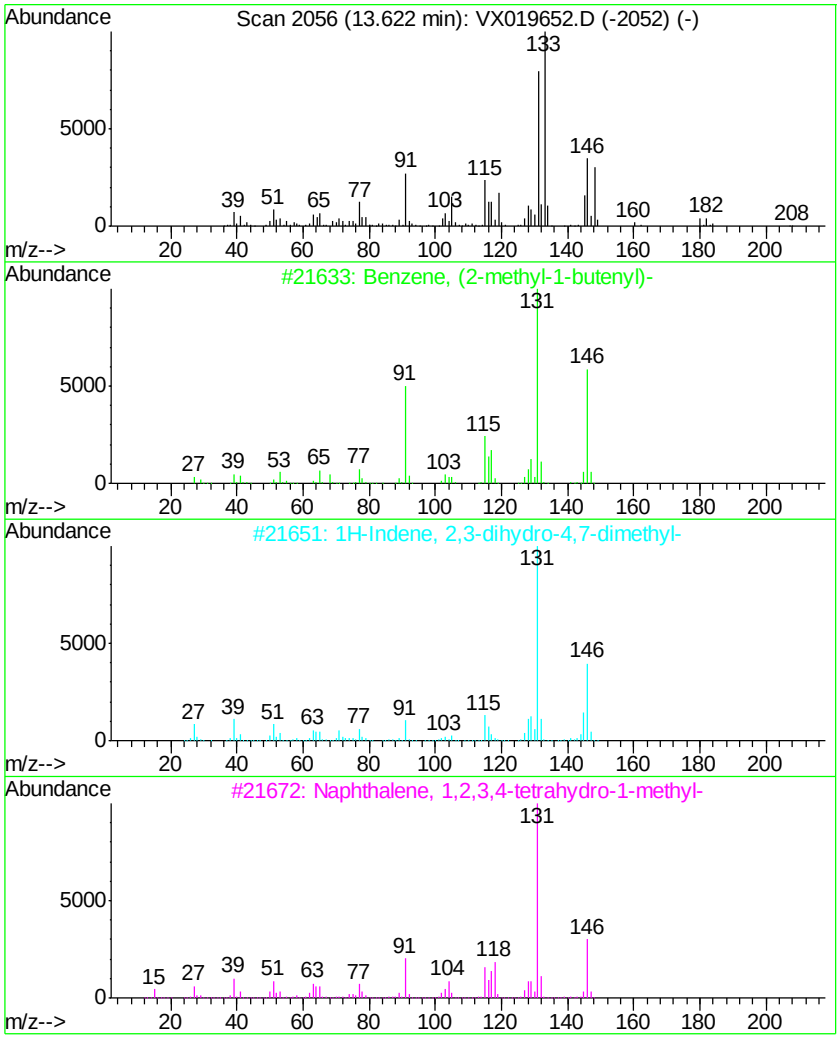
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

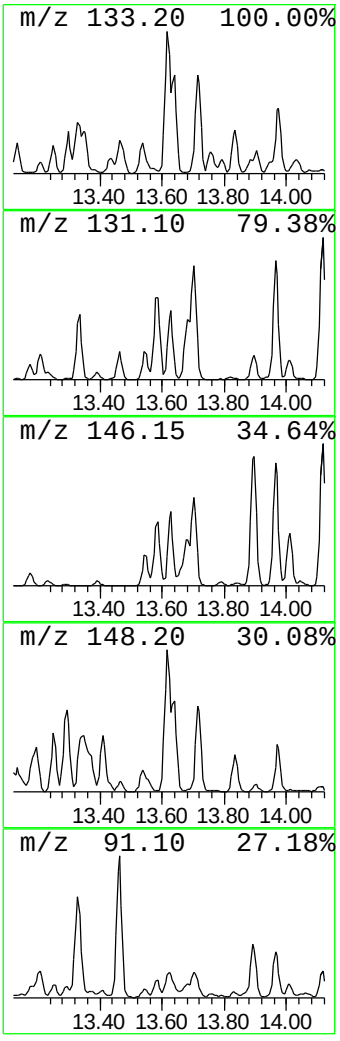
**********

Peak Number 5 Benzene, (2-methyl-1-butenyl)- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.62 | 12.42 ug/l | 318232 | 1,4-Dichlorobenzene-d4 | 12.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, (2-methyl-1-butenyl)- | 146 | C11H14 | 056253-64-6 | 86 |
| 2 | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14 | 006682-71-9 | 50 |
| 3 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 001559-81-5 | 50 |
| 4 | 2,2-Dimethylindene, 2,3-dihydro- | 146 | C11H14 | 020836-11-7 | 50 |
| 5 | Benzene, (3-methyl-2-butenyl)- | 146 | C11H14 | 004489-84-3 | 50 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX112520\
Data File : VX019652.D
Acq On : 25 Nov 2020 13:35
Operator : JC/MD
Sample : L4840-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** 16857

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
Quant Title : SW846 8260

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

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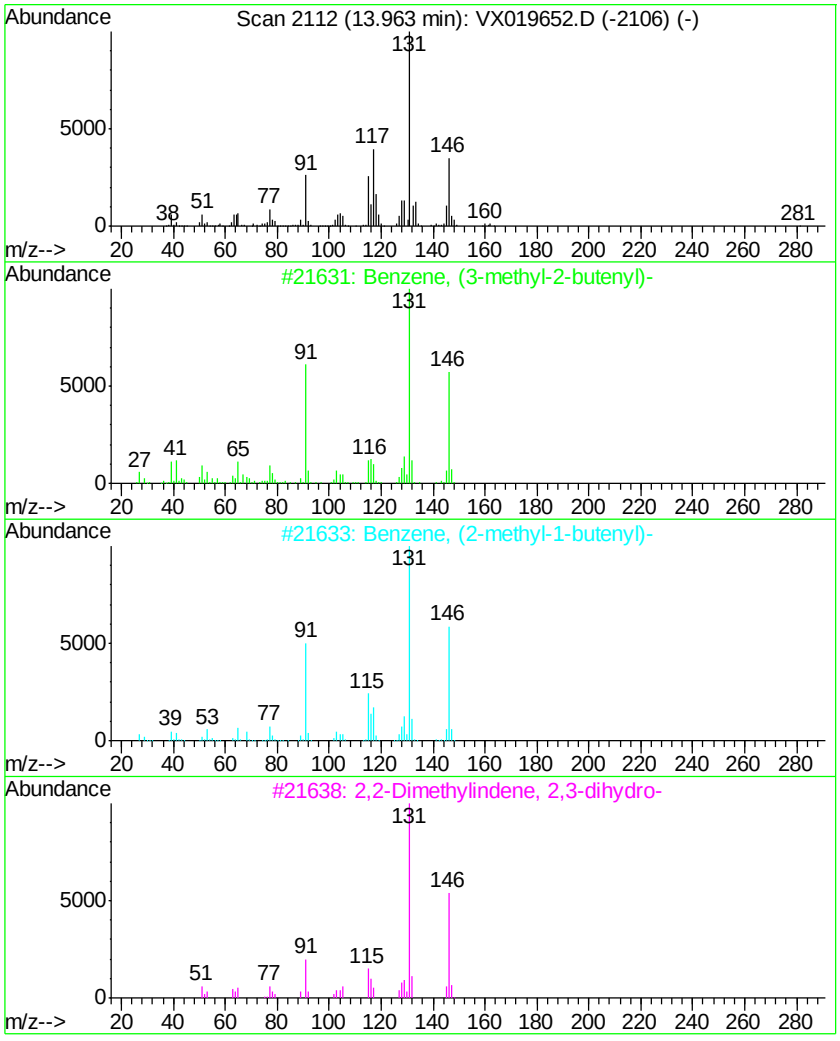
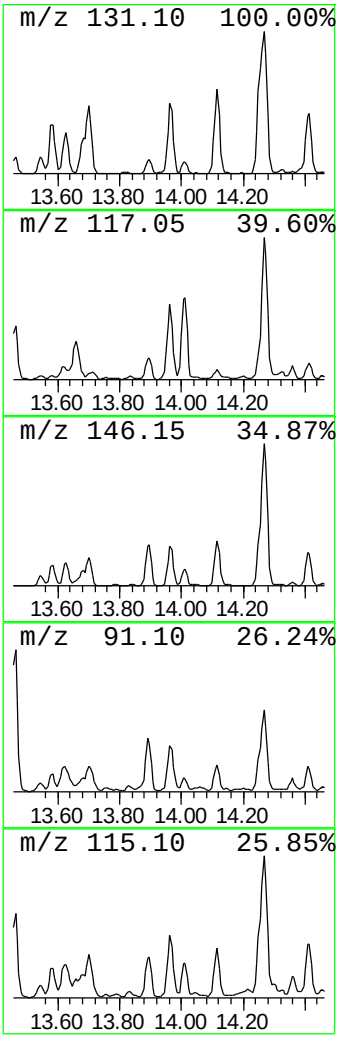
Peak Number 6 Benzene, (3-methyl-2-butenyl)- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.96 | 13.65 ug/l | 349723 | 1,4-Dichlorobenzene-d4 | 12.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, (3-methyl-2-butenyl)- | 146 | C11H14 | 004489-84-3 | 92 |
| 2 | Benzene, (2-methyl-1-butenyl)- | 146 | C11H14 | 056253-64-6 | 86 |
| 3 | 2,2-Dimethylindene, 2,3-dihydro- | 146 | C11H14 | 020836-11-7 | 86 |
| 4 | Benzene, (1-methyl-1-butenyl)- | 146 | C11H14 | 053172-84-2 | 86 |
| 5 | Bicyclo[4.2.0]octa-1,3,5-triene,... | 160 | C12H16 | 078920-29-3 | 81 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX112520\
Data File : VX019652.D
Acq On : 25 Nov 2020 13:35
Operator : JC/MD
Sample : L4840-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** 16857

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
Quant Title : SW846 8260

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

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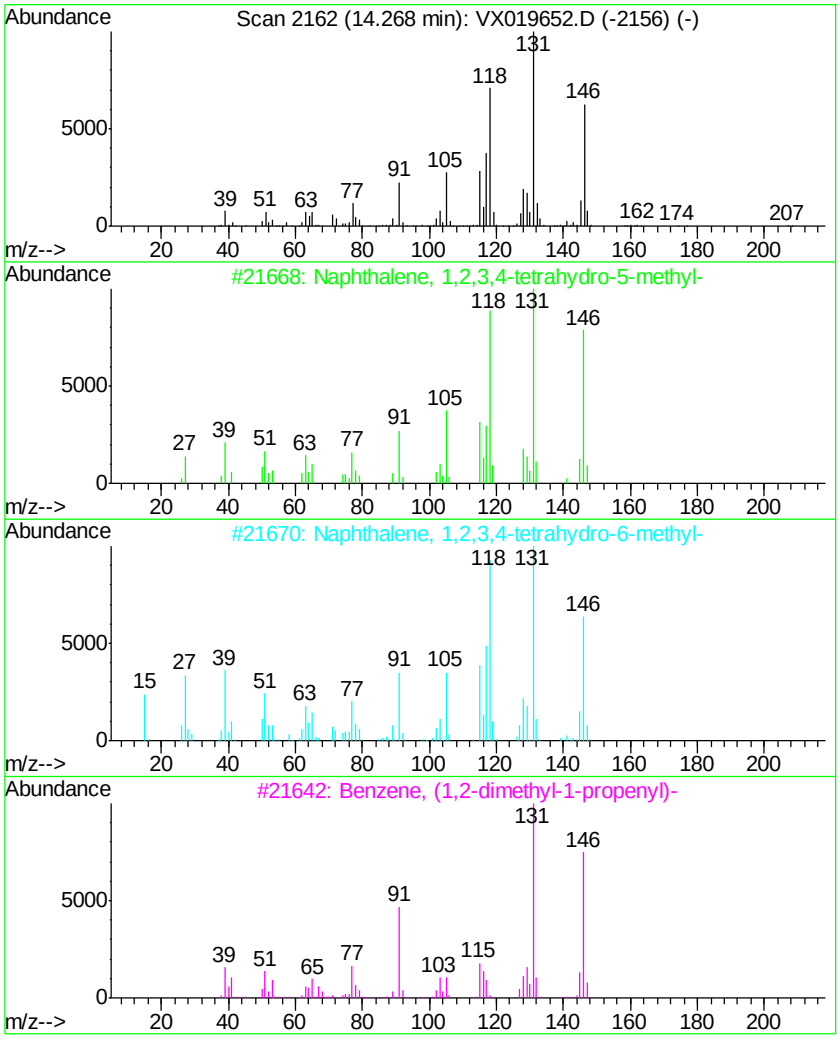
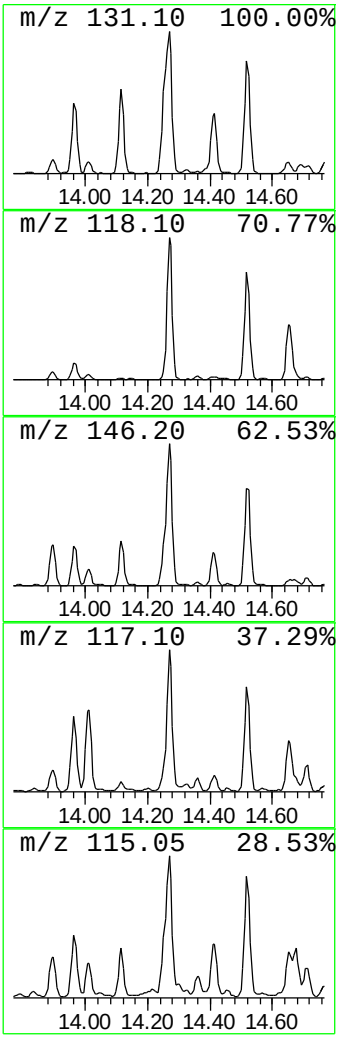
Peak Number 7 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.27 | 39.32 ug/l | 1007670 | 1,4-Dichlorobenzene-d4 | 12.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 002809-64-5 | 97 |
| 2 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 001680-51-9 | 97 |
| 3 | Benzene, (1,2-dimethyl-1-propenyl)- | 146 | C11H14 | 000769-57-3 | 92 |
| 4 | Benzene, 2-ethenyl-1,3,5-trimethyl- | 146 | C11H14 | 000769-25-5 | 86 |
| 5 | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14 | 017057-82-8 | 70 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX112520\
Data File : VX019652.D
Acq On : 25 Nov 2020 13:35
Operator : JC/MD
Sample : L4840-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** 16857

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
Quant Title : SW846 8260

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

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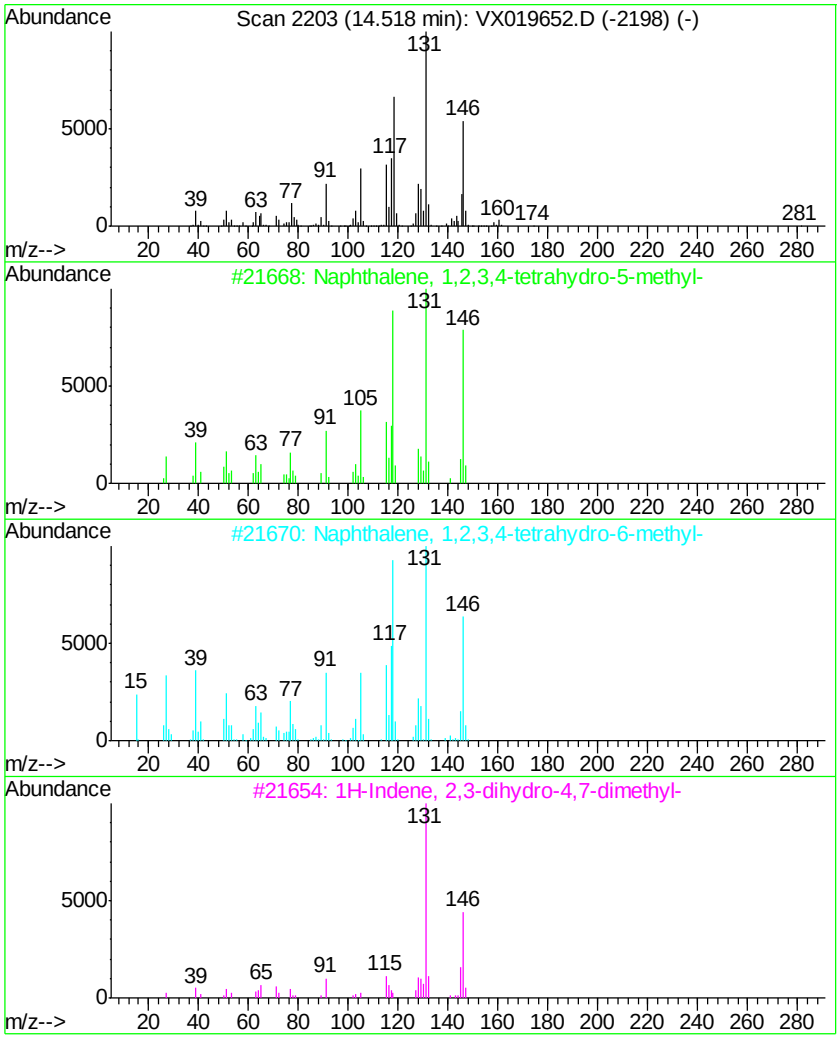
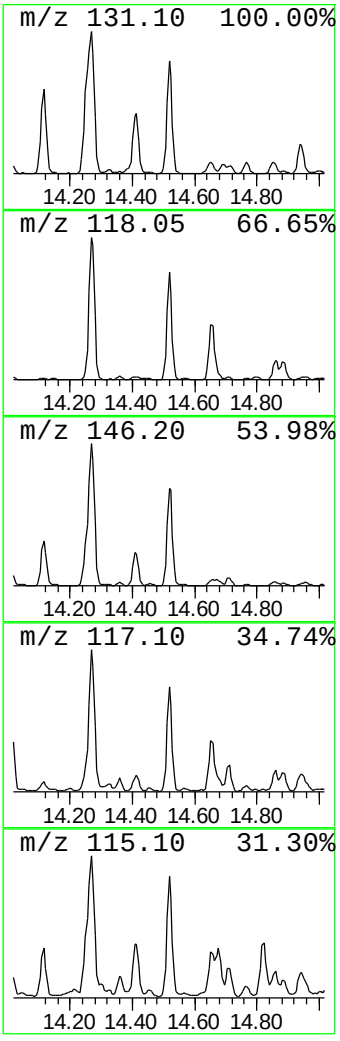
Peak Number 8 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.52 | 25.97 ug/l | 665582 | 1,4-Dichlorobenzene-d4 | 12.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 002809-64-5 | 96 |
| 2 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 001680-51-9 | 95 |
| 3 | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14 | 006682-71-9 | 70 |
| 4 | Benzene, (1,2-dimethyl-1-propenyl)- | 146 | C11H14 | 000769-57-3 | 70 |
| 5 | 1H-Inden-1-one, 2,3-dihydro-2-me... | 146 | C10H10O | 017496-14-9 | 68 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX112520\
Data File : VX019652.D
Acq On : 25 Nov 2020 13:35
Operator : JC/MD
Sample : L4840-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** 16857

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
Quant Title : SW846 8260

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

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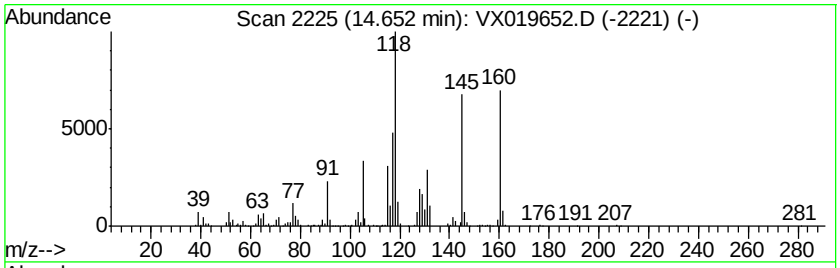
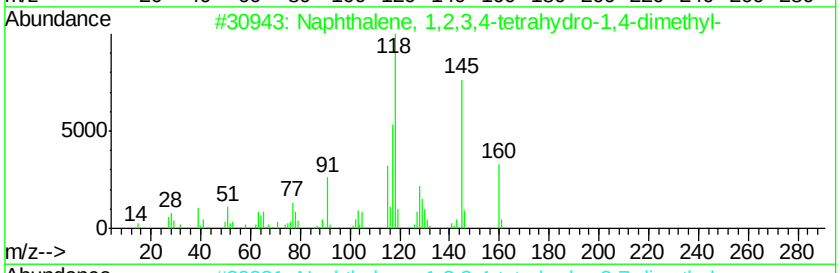
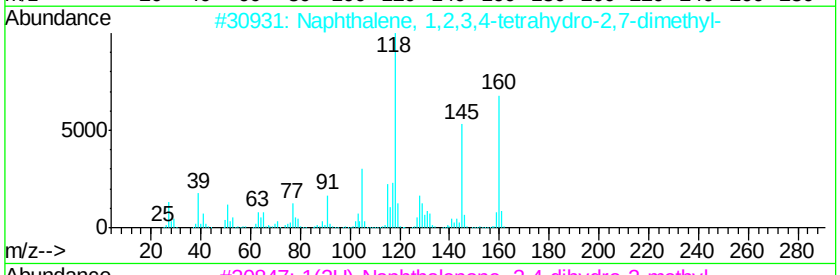
Peak Number 9 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 8

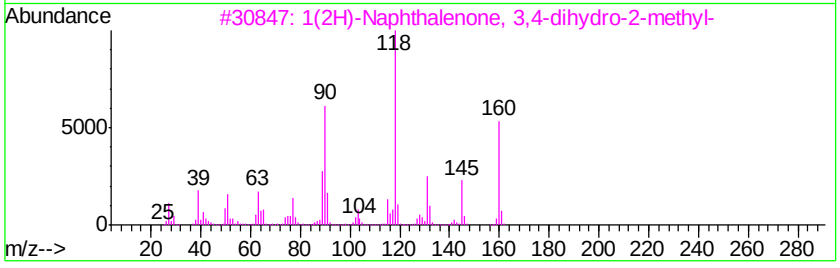
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.65 | 12.03 ug/l | 308240 | 1,4-Dichlorobenzene-d4 | 12.06 |

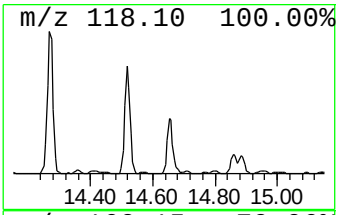
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 004175-54-6 | 95 |
| 2 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 013065-07-1 | 90 |
| 3 | 1(2H)-Naphthalenone, 3,4-dihydro... | 160 | C11H12O | 001590-08-5 | 68 |
| 4 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 007524-63-2 | 68 |
| 5 | Adamantane-1-ethynyl | 160 | C12H16 | 040430-66-8 | 46 |

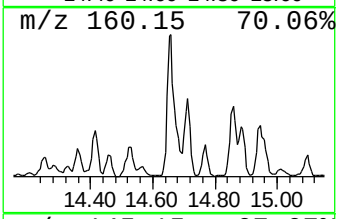


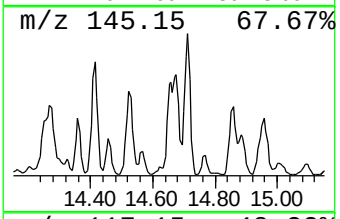



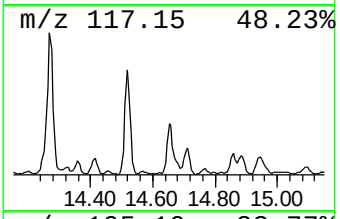



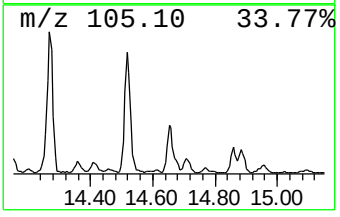



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX112520\
Data File : VX019652.D
Acq On : 25 Nov 2020 13:35
Operator : JC/MD
Sample : L4840-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** 16857

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
Quant Title : SW846 8260

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

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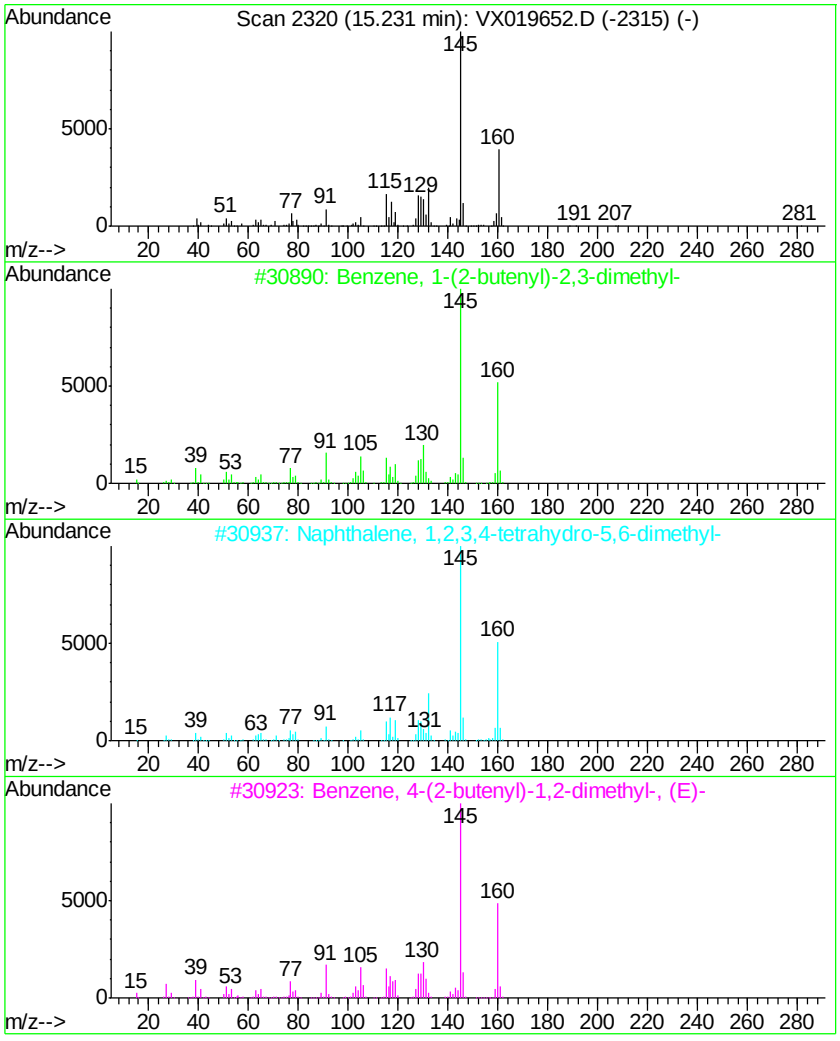
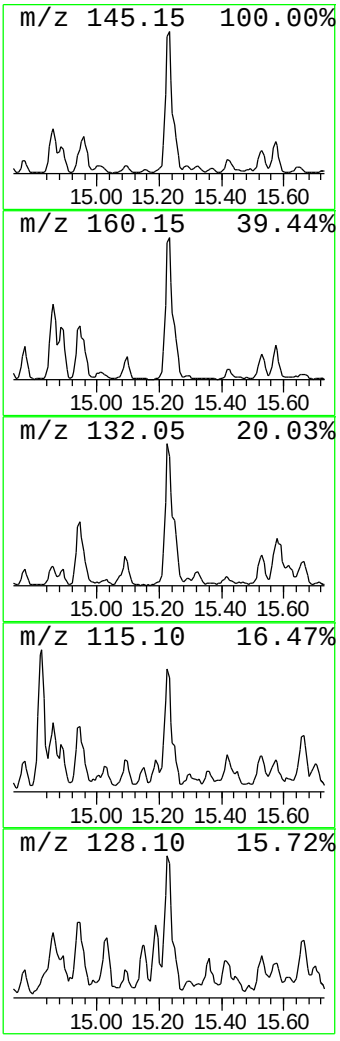
Peak Number 10 Benzene, 1-(2-butenyl)-2,3-... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.23 | 15.99 ug/l | 409830 | 1,4-Dichlorobenzene-d4 | 12.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-(2-butenyl)-2,3-dimet... | 160 | C12H16 | 054340-85-1 | 96 |
| 2 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 020027-77-4 | 93 |
| 3 | Benzene, 4-(2-butenyl)-1,2-dimet... | 160 | C12H16 | 054340-86-2 | 93 |
| 4 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 001076-61-5 | 91 |
| 5 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 021564-91-0 | 91 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX112520\
Data File : VX019652.D
Acq On : 25 Nov 2020 13:35
Operator : JC/MD
Sample : L4840-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** 16857

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.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-ethyl-... | 12.13 | 11.6 | ug/l | 296741 | 4 | 12.06 | 1281350 | 50.0 |
| Benzene, 1,2,3,4-... | 13.00 | 11.4 | ug/l | 292173 | 4 | 12.06 | 1281350 | 50.0 |
| 1H-Indene, 2,3-di... | 13.33 | 35.0 | ug/l | 896374 | 4 | 12.06 | 1281350 | 50.0 |
| Naphthalene, 1,2,... | 13.46 | 21.1 | ug/l | 541864 | 4 | 12.06 | 1281350 | 50.0 |
| Benzene, (2-methy... | 13.62 | 12.4 | ug/l | 318232 | 4 | 12.06 | 1281350 | 50.0 |
| Benzene, (3-methy... | 13.96 | 13.7 | ug/l | 349723 | 4 | 12.06 | 1281350 | 50.0 |
| Naphthalene, 1,2,... | 14.27 | 39.3 | ug/l | 1007670 | 4 | 12.06 | 1281350 | 50.0 |
| Naphthalene, 1,2,... | 14.52 | 26.0 | ug/l | 665582 | 4 | 12.06 | 1281350 | 50.0 |
| Naphthalene, 1,2,... | 14.65 | 12.0 | ug/l | 308240 | 4 | 12.06 | 1281350 | 50.0 |
| Benzene, 1-(2-but... | 15.23 | 16.0 | ug/l | 409830 | 4 | 12.06 | 1281350 | 50.0 |