LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111721\
Data File : VY006784.D
Acq On : 17 Nov 2021 13:33
Operator : SY/MD
Sample : M4693-03
Misc : 5.49G/5ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
UT-COMP-02

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_Y\methods\82Y111521S.M
Title : SW846 8260

Signal : TIC: VY006784.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.869 | 4 | 8 | 18 | rVB3 | 7183 | 13458 | 1.41% | 0.153% |
| 2 | 2.229 | 62 | 67 | 79 | rBV4 | 4558 | 12740 | 1.34% | 0.145% |
| 3 | 2.534 | 110 | 117 | 125 | rBV8 | 3600 | 11565 | 1.21% | 0.131% |
| 4 | 3.954 | 338 | 350 | 363 | rBV2 | 39154 | 112446 | 11.80% | 1.278% |
| 5 | 4.204 | 381 | 391 | 402 | rBV | 4354 | 11768 | 1.23% | 0.134% |
| 6 | 4.729 | 465 | 477 | 490 | rBV2 | 11259 | 37296 | 3.91% | 0.424% |
| 7 | 6.997 | 839 | 849 | 861 | rBV | 9467 | 27078 | 2.84% | 0.308% |
| 8 | 7.728 | 958 | 969 | 975 | rBV | 84543 | 204976 | 21.51% | 2.329% |
| 9 | 7.801 | 975 | 981 | 990 | rVB | 142818 | 320501 | 33.63% | 3.642% |
| 10 | 8.155 | 1028 | 1039 | 1050 | rVB | 101843 | 237291 | 24.90% | 2.696% |
| 11 | 8.697 | 1118 | 1128 | 1138 | rBV | 231213 | 449357 | 47.15% | 5.106% |
| 12 | 9.191 | 1196 | 1209 | 1215 | rVV3 | 19532 | 50883 | 5.34% | 0.578% |
| 13 | 9.472 | 1244 | 1255 | 1260 | rBV3 | 5958 | 15130 | 1.59% | 0.172% |
| 14 | 9.612 | 1272 | 1278 | 1287 | rVB3 | 10468 | 22117 | 2.32% | 0.251% |
| 15 | 9.764 | 1292 | 1303 | 1307 | rBV2 | 8962 | 19347 | 2.03% | 0.220% |
| 16 | 9.825 | 1307 | 1313 | 1317 | rBV2 | 22692 | 41390 | 4.34% | 0.470% |
| 17 | 9.959 | 1325 | 1335 | 1348 | rVB5 | 23135 | 74273 | 7.79% | 0.844% |
| 18 | 10.075 | 1348 | 1354 | 1364 | rBV6 | 8052 | 22499 | 2.36% | 0.256% |
| 19 | 10.185 | 1364 | 1372 | 1388 | rBV | 449020 | 864897 | 90.75% | 9.828% |
| 20 | 10.368 | 1394 | 1402 | 1410 | rVB3 | 31015 | 90131 | 9.46% | 1.024% |
| 21 | 10.526 | 1423 | 1428 | 1434 | rVB2 | 61325 | 107538 | 11.28% | 1.222% |
| 22 | 10.624 | 1434 | 1444 | 1449 | rBV2 | 33714 | 69634 | 7.31% | 0.791% |
| 23 | 10.715 | 1455 | 1459 | 1464 | rVB4 | 10529 | 17090 | 1.79% | 0.194% |
| 24 | 10.807 | 1469 | 1474 | 1481 | rVB | 28659 | 43705 | 4.59% | 0.497% |
| 25 | 10.904 | 1481 | 1490 | 1497 | rBV | 13837 | 30034 | 3.15% | 0.341% |
| 26 | 10.978 | 1497 | 1502 | 1504 | rBV3 | 10553 | 18164 | 1.91% | 0.206% |
| 27 | 11.008 | 1504 | 1507 | 1508 | rVV | 18088 | 23119 | 2.43% | 0.263% |
| 28 | 11.038 | 1508 | 1512 | 1517 | rVV | 64783 | 113243 | 11.88% | 1.287% |
| 29 | 11.093 | 1517 | 1521 | 1526 | rVV | 77943 | 133435 | 14.00% | 1.516% |
| 30 | 11.148 | 1526 | 1530 | 1534 | rVV | 14594 | 22005 | 2.31% | 0.250% |
| 31 | 11.209 | 1534 | 1540 | 1544 | rVV2 | 21868 | 39062 | 4.10% | 0.444% |
| 32 | 11.295 | 1544 | 1554 | 1563 | rVB4 | 43038 | 110626 | 11.61% | 1.257% |
| 33 | 11.386 | 1563 | 1569 | 1573 | rBV | 24390 | 39811 | 4.18% | 0.452% |
| 34 | 11.496 | 1580 | 1587 | 1596 | rBV | 328018 | 534878 | 56.12% | 6.078% |
| 35 | 11.593 | 1596 | 1603 | 1607 | rBV3 | 32294 | 65835 | 6.91% | 0.748% |
| 36 | 11.630 | 1607 | 1609 | 1613 | rVB2 | 14480 | 16252 | 1.71% | 0.185% |

LSC Area Percent Report

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Operator : SY/MD
Sample : M4693-03
Misc : 5.49G/5ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
UT-COMP-02

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_Y\methods\82Y111521S.M
Title : SW846 8260

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 37 | 11.703 | 1613 | 1621 | 1625 | rBV4 | 47401 | 125534 | 13.17% | 1.427% |
| 38 | 11.904 | 1648 | 1654 | 1663 | rVB4 | 10421 | 22144 | 2.32% | 0.252% |
| 39 | 12.032 | 1663 | 1675 | 1683 | rBV6 | 49032 | 166186 | 17.44% | 1.888% |
| 40 | 12.124 | 1687 | 1690 | 1693 | rVB3 | 8784 | 11829 | 1.24% | 0.134% |
| 41 | 12.166 | 1693 | 1697 | 1699 | rBV3 | 7956 | 11698 | 1.23% | 0.133% |
| 42 | 12.203 | 1699 | 1703 | 1707 | rVV | 25371 | 41822 | 4.39% | 0.475% |
| 43 | 12.246 | 1707 | 1710 | 1715 | rVB5 | 14043 | 24658 | 2.59% | 0.280% |
| 44 | 12.337 | 1720 | 1725 | 1731 | rVB2 | 110094 | 177202 | 18.59% | 2.014% |
| 45 | 12.489 | 1744 | 1750 | 1758 | rBV2 | 540634 | 953038 | 100.00% | 10.830% |
| 46 | 12.587 | 1758 | 1766 | 1771 | rVB3 | 19760 | 40165 | 4.21% | 0.456% |
| 47 | 12.648 | 1771 | 1776 | 1784 | rVB3 | 20206 | 48025 | 5.04% | 0.546% |
| 48 | 12.739 | 1784 | 1791 | 1794 | rBV | 37270 | 65137 | 6.83% | 0.740% |
| 49 | 12.813 | 1798 | 1803 | 1813 | rVV3 | 75657 | 152011 | 15.95% | 1.727% |
| 50 | 12.898 | 1813 | 1817 | 1822 | rVB2 | 14818 | 26039 | 2.73% | 0.296% |
| 51 | 12.977 | 1822 | 1830 | 1836 | rBV | 27351 | 53033 | 5.56% | 0.603% |
| 52 | 13.044 | 1837 | 1841 | 1849 | rVB5 | 14741 | 30009 | 3.15% | 0.341% |
| 53 | 13.123 | 1849 | 1854 | 1868 | rVB2 | 78726 | 168225 | 17.65% | 1.912% |
| 54 | 13.251 | 1868 | 1875 | 1878 | rBV6 | 13811 | 24349 | 2.55% | 0.277% |
| 55 | 13.319 | 1878 | 1886 | 1888 | rVV4 | 21787 | 39703 | 4.17% | 0.451% |
| 56 | 13.367 | 1891 | 1894 | 1899 | rVV | 72332 | 111177 | 11.67% | 1.263% |
| 57 | 13.428 | 1899 | 1904 | 1912 | rVV2 | 237222 | 418802 | 43.94% | 4.759% |
| 58 | 13.489 | 1912 | 1914 | 1919 | rVB3 | 22875 | 31032 | 3.26% | 0.353% |
| 59 | 13.629 | 1933 | 1937 | 1940 | rVV | 58526 | 87505 | 9.18% | 0.994% |
| 60 | 13.666 | 1940 | 1943 | 1952 | rVB2 | 33797 | 58365 | 6.12% | 0.663% |
| 61 | 13.751 | 1952 | 1957 | 1962 | rBV3 | 33146 | 55246 | 5.80% | 0.628% |
| 62 | 13.825 | 1962 | 1969 | 1973 | rVB2 | 13815 | 23679 | 2.48% | 0.269% |
| 63 | 13.886 | 1975 | 1979 | 1982 | rBV | 15760 | 25210 | 2.65% | 0.286% |
| 64 | 13.916 | 1982 | 1984 | 1988 | rVV | 18023 | 20858 | 2.19% | 0.237% |
| 65 | 13.971 | 1988 | 1993 | 1999 | rVB2 | 48785 | 80374 | 8.43% | 0.913% |
| 66 | 14.081 | 2006 | 2011 | 2016 | rBV3 | 31306 | 50797 | 5.33% | 0.577% |
| 67 | 14.215 | 2028 | 2033 | 2037 | rBV2 | 13573 | 22451 | 2.36% | 0.255% |
| 68 | 14.264 | 2037 | 2041 | 2043 | rBV4 | 7710 | 12535 | 1.32% | 0.142% |
| 69 | 14.312 | 2043 | 2049 | 2057 | rVV2 | 54165 | 133678 | 14.03% | 1.519% |
| 70 | 14.385 | 2057 | 2061 | 2064 | rVV2 | 13211 | 17792 | 1.87% | 0.202% |
| 71 | 14.422 | 2064 | 2067 | 2071 | rVB4 | 9786 | 12049 | 1.26% | 0.137% |
| 72 | 14.520 | 2079 | 2083 | 2086 | rVB3 | 6811 | 10400 | 1.09% | 0.118% |
| 73 | 14.568 | 2086 | 2091 | 2095 | rVV | 16703 | 26835 | 2.82% | 0.305% |
| 74 | 14.617 | 2095 | 2099 | 2103 | rVB | 15514 | 23297 | 2.44% | 0.265% |
| 75 | 14.684 | 2103 | 2110 | 2116 | rBV3 | 40410 | 96296 | 10.10% | 1.094% |
| 76 | 14.739 | 2116 | 2119 | 2125 | rVB6 | 11350 | 20318 | 2.13% | 0.231% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111721\
Data File : VY006784.D
Acq On : 17 Nov 2021 13:33
Operator : SY/MD
Sample : M4693-03
Misc : 5.49G/5ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
UT-COMP-02

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_Y\methods\82Y111521S.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 14.837 | 2130 | 2135 | 2139 | rBV2 | 12257 | 17867 | 1.87% | 0.203% |
| 78 | 14.946 | 2148 | 2153 | 2158 | rBV2 | 46859 | 76610 | 8.04% | 0.871% |
| 79 | 15.056 | 2166 | 2171 | 2177 | rVB2 | 11498 | 25098 | 2.63% | 0.285% |
| 80 | 15.135 | 2181 | 2184 | 2190 | rVB6 | 5525 | 10351 | 1.09% | 0.118% |
| 81 | 15.239 | 2191 | 2201 | 2207 | rBV | 507760 | 851380 | 89.33% | 9.675% |
| 82 | 15.336 | 2213 | 2217 | 2223 | rBV2 | 13563 | 24367 | 2.56% | 0.277% |
| 83 | 15.434 | 2230 | 2233 | 2240 | rVB7 | 7644 | 13566 | 1.42% | 0.154% |
| 84 | 15.532 | 2240 | 2249 | 2253 | rBV4 | 7158 | 15596 | 1.64% | 0.177% |
| 85 | 15.690 | 2267 | 2275 | 2277 | rVV6 | 5031 | 12578 | 1.32% | 0.143% |
| 86 | 15.727 | 2278 | 2281 | 2286 | rVB4 | 8259 | 14247 | 1.49% | 0.162% |
| 87 | 16.038 | 2324 | 2332 | 2337 | rBV9 | 6761 | 16555 | 1.74% | 0.188% |
| 88 | 16.227 | 2356 | 2363 | 2368 | rBV8 | 5299 | 11822 | 1.24% | 0.134% |
| 89 | 16.294 | 2368 | 2374 | 2381 | rVB | 48920 | 95557 | 10.03% | 1.086% |
| 90 | 16.489 | 2399 | 2406 | 2414 | rBV | 34363 | 71394 | 7.49% | 0.811% |

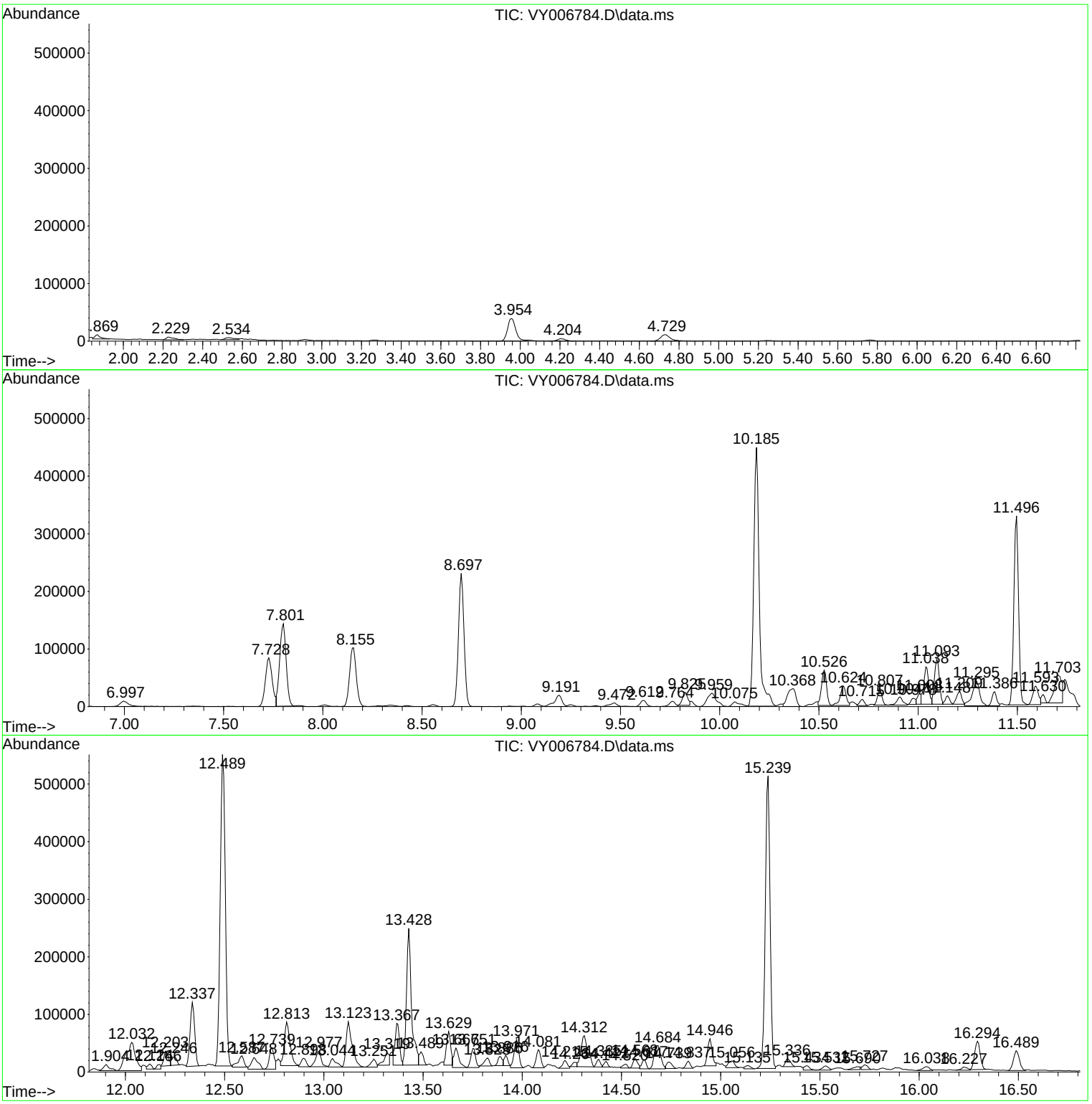
Sum of corrected areas: 8800065

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111721\
Data File : VY006784.D
Acq On : 17 Nov 2021 13:33
Operator : SY/MD
Sample : M4693-03
Misc : 5.49G/5ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
UT-COMP-02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111521S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111721\
Data File : VY006784.D
Acq On : 17 Nov 2021 13:33
Operator : SY/MD
Sample : M4693-03
Misc : 5.49G/5ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
UT-COMP-02

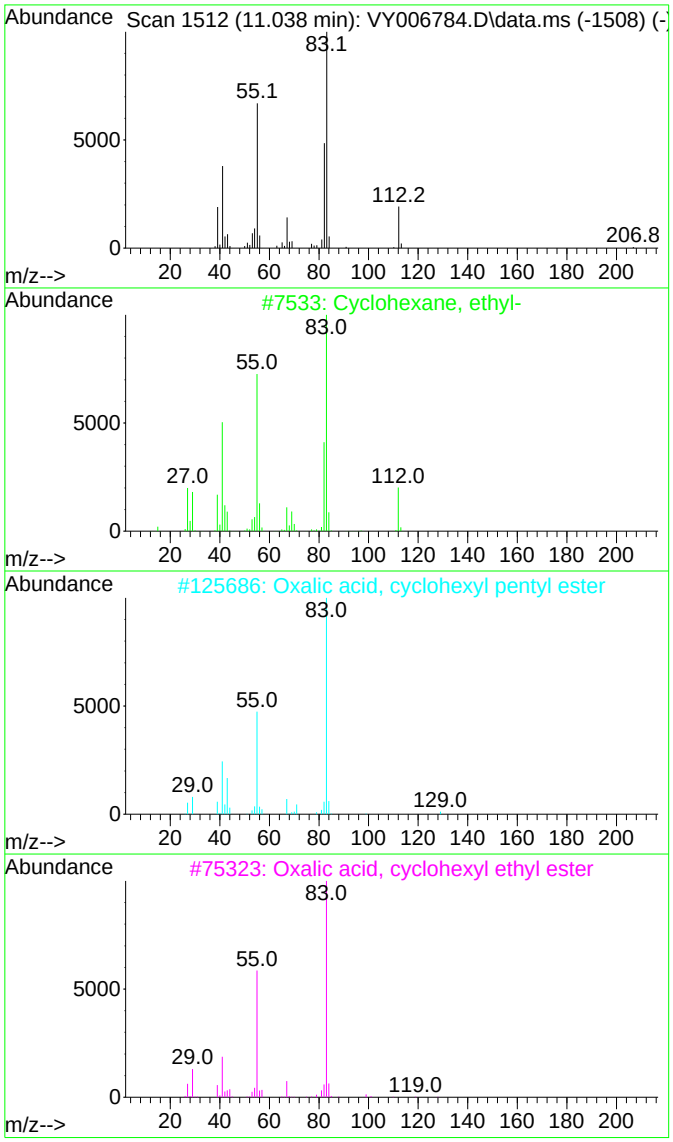
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111521S.M
Quant Title : SW846 8260

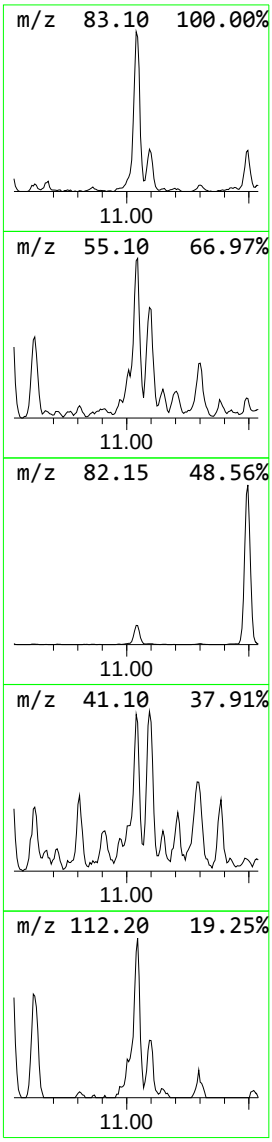
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 Cyclohexane, ethyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.039 | 10.59 ug/l | 113243 | Chlorobenzene-d5 | 11.496 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, ethyl- | 112 | C8H16 | 001678-91-7 | 90 |
| 2 | Oxalic acid, cyclohexyl pentyl e... | 242 | C13H22O4 | 1000309-30-6 | 50 |
| 3 | Oxalic acid, cyclohexyl ethyl ester | 200 | C10H16O4 | 1000309-30-2 | 50 |
| 4 | Oxalic acid, cyclohexyl butyl ester | 228 | C12H20O4 | 1000309-30-5 | 50 |
| 5 | Cyclohexanecarboxylic acid, ethe... | 154 | C9H14O2 | 004840-76-0 | 50 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111721\
Data File : VY006784.D
Acq On : 17 Nov 2021 13:33
Operator : SY/MD
Sample : M4693-03
Misc : 5.49G/5ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
UT-COMP-02

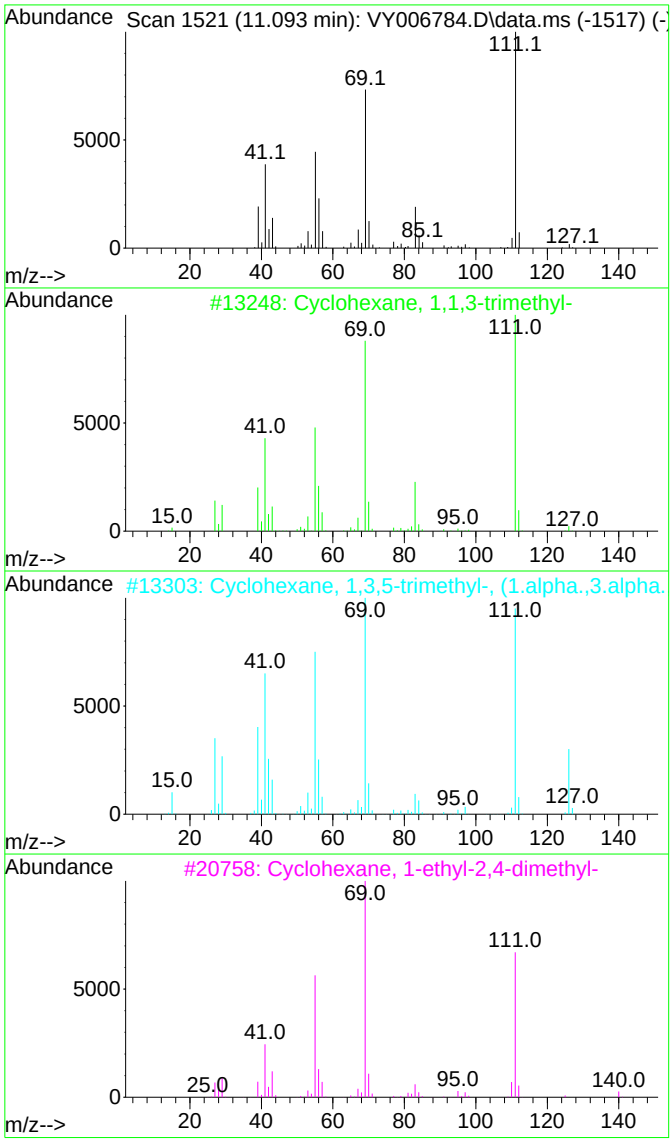
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111521S.M
Quant Title : SW846 8260

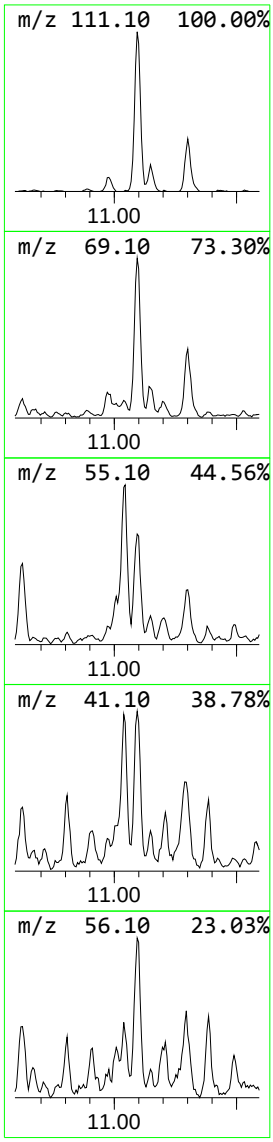
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.093 | 12.47 ug/l | 133435 | Chlorobenzene-d5 | 11.496 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, 1,1,3-trimethyl- | 126 | C9H18 | 003073-66-3 | 95 |
| 2 | Cyclohexane, 1,3,5-trimethyl-, (... | 126 | C9H18 | 001795-26-2 | 72 |
| 3 | Cyclohexane, 1-ethyl-2,4-dimethyl- | 140 | C10H20 | 061142-69-6 | 72 |
| 4 | Cyclohexane, 1,3,5-trimethyl- | 126 | C9H18 | 001839-63-0 | 64 |
| 5 | Cyclohexane, 1-ethyl-1,3-dimethy... | 140 | C10H20 | 062238-31-7 | 59 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111721\
Data File : VY006784.D
Acq On : 17 Nov 2021 13:33
Operator : SY/MD
Sample : M4693-03
Misc : 5.49G/5ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
UT-COMP-02

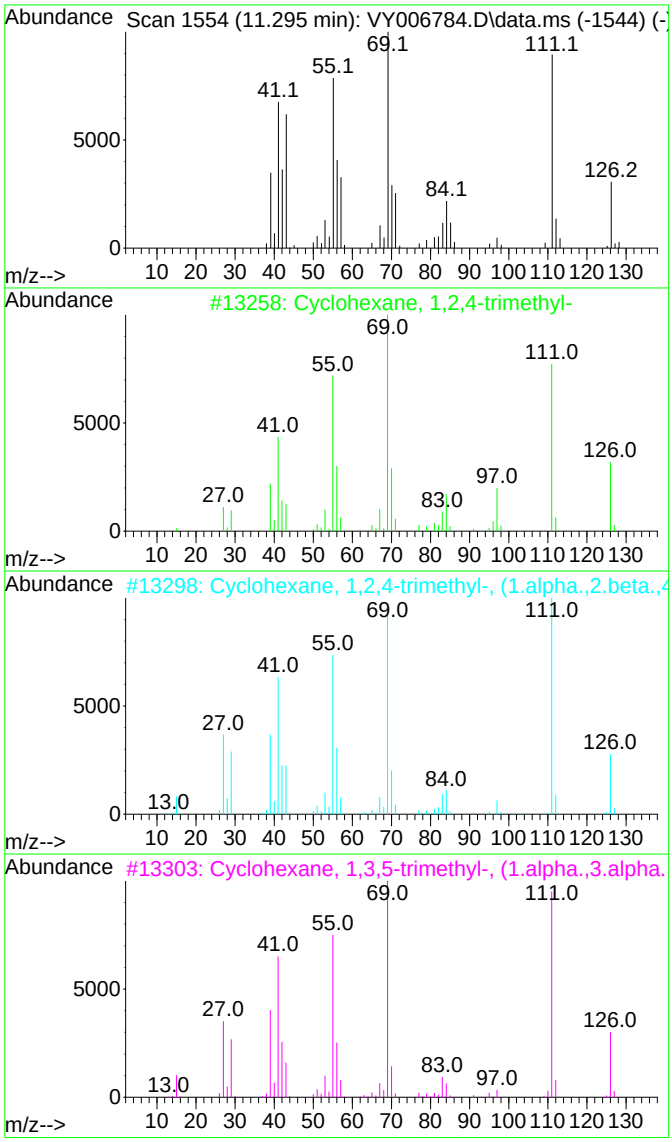
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111521S.M
Quant Title : SW846 8260

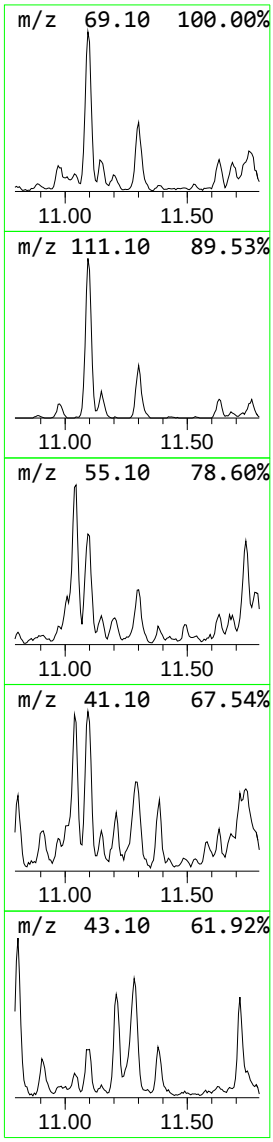
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 Cyclohexane, 1,2,4-trimethyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.294 | 10.34 ug/l | 110626 | Chlorobenzene-d5 | 11.496 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, 1,2,4-trimethyl- | 126 | C9H18 | 002234-75-5 | 90 |
| 2 | Cyclohexane, 1,2,4-trimethyl-, (... | 126 | C9H18 | 007667-60-9 | 76 |
| 3 | Cyclohexane, 1,3,5-trimethyl-, (... | 126 | C9H18 | 001795-26-2 | 62 |
| 4 | Cyclohexane, 1,3,5-trimethyl- | 126 | C9H18 | 001839-63-0 | 62 |
| 5 | Cyclohexane, 1,3,5-trimethyl-, (... | 126 | C9H18 | 001795-27-3 | 58 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111721\
Data File : VY006784.D
Acq On : 17 Nov 2021 13:33
Operator : SY/MD
Sample : M4693-03
Misc : 5.49G/5ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
UT-COMP-02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111521S.M
Quant Title : SW846 8260

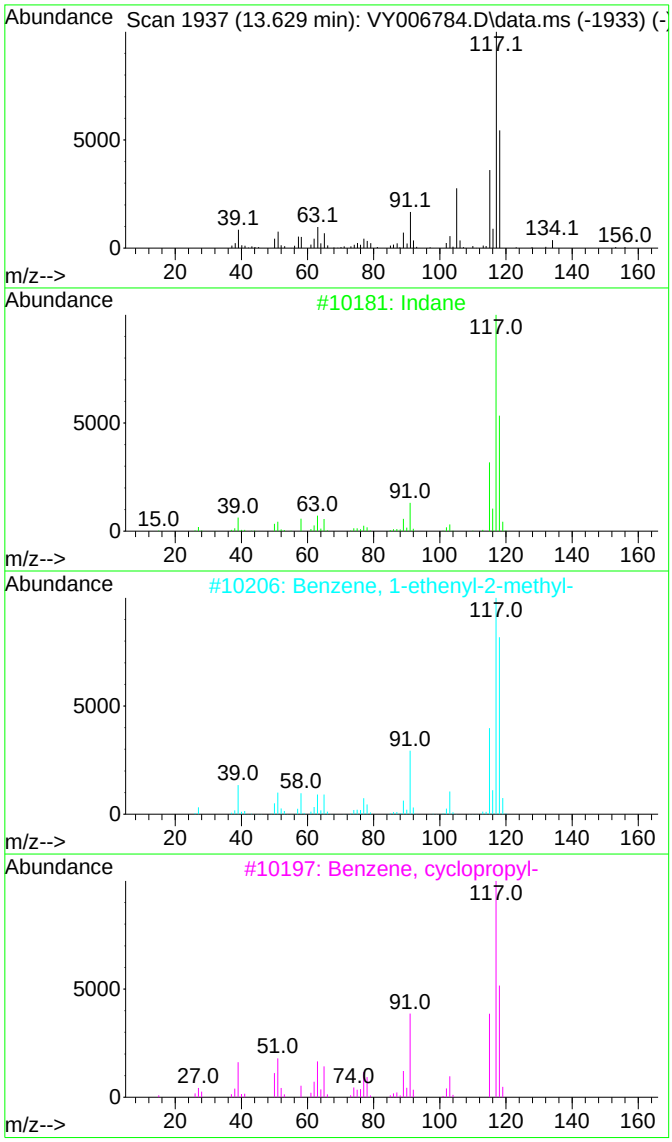
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

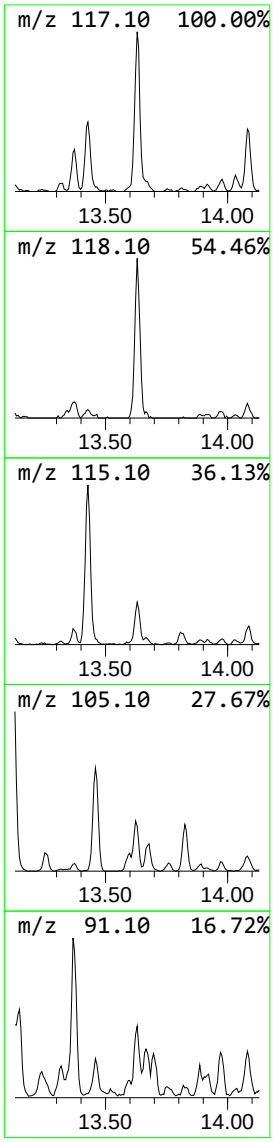
**********

Peak Number 4 Indane Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.630 | 10.45 ug/l | 87505 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indane | 118 | C9H10 | 000496-11-7 | 92 |
| 2 | Benzene, 1-ethenyl-2-methyl- | 118 | C9H10 | 000611-15-4 | 86 |
| 3 | Benzene, cyclopropyl- | 118 | C9H10 | 000873-49-4 | 70 |
| 4 | (Z)-1-Phenylpropene | 118 | C9H10 | 000766-90-5 | 70 |
| 5 | Benzene, 1-propenyl- | 118 | C9H10 | 000637-50-3 | 68 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111721\
Data File : VY006784.D
Acq On : 17 Nov 2021 13:33
Operator : SY/MD
Sample : M4693-03
Misc : 5.49G/5ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
UT-COMP-02

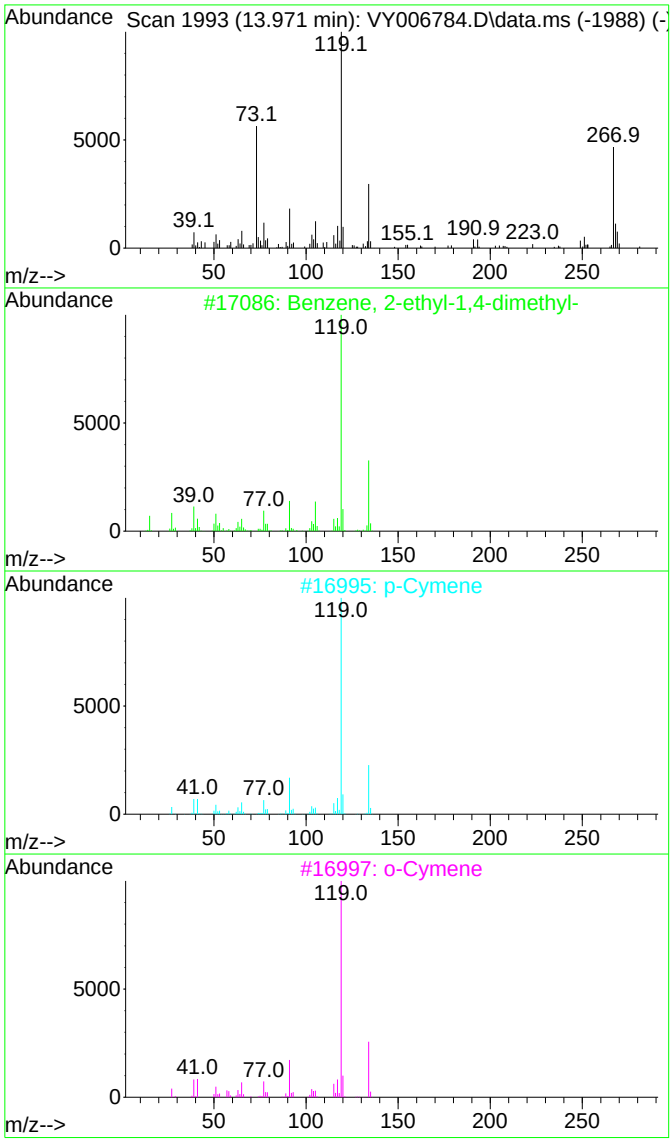
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111521S.M
Quant Title : SW846 8260

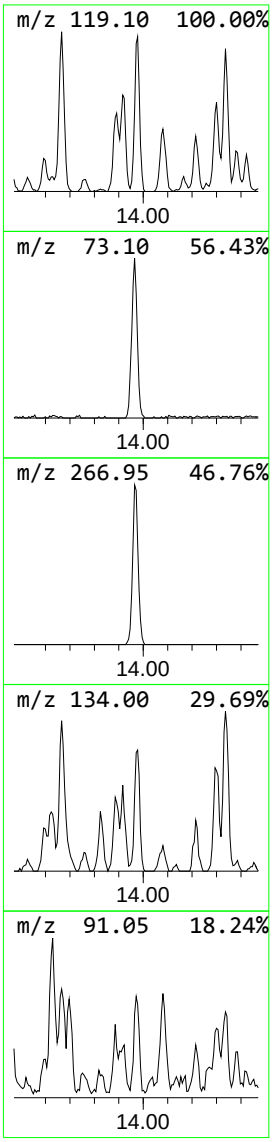
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.971 | 9.60 ug/l | 80374 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 95 |
| 2 | p-Cymene | 134 | C10H14 | 000099-87-6 | 92 |
| 3 | o-Cymene | 134 | C10H14 | 000527-84-4 | 92 |
| 4 | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14 | 000535-77-3 | 91 |
| 5 | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14 | 000934-80-5 | 91 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111721\
Data File : VY006784.D
Acq On : 17 Nov 2021 13:33
Operator : SY/MD
Sample : M4693-03
Misc : 5.49G/5ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
UT-COMP-02

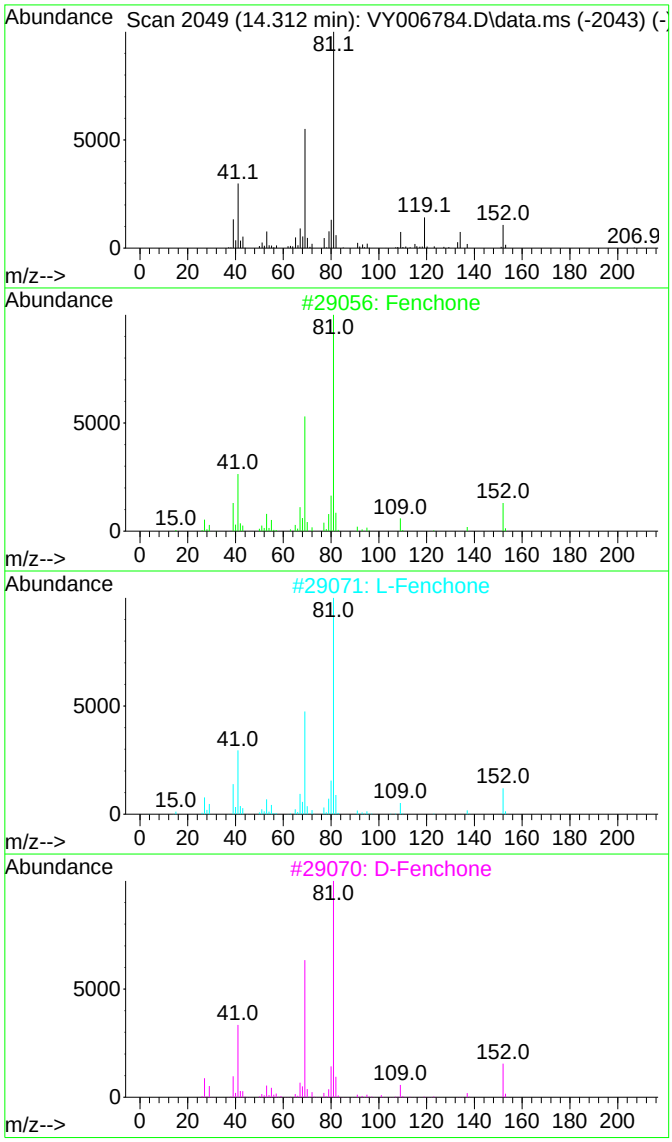
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111521S.M
Quant Title : SW846 8260

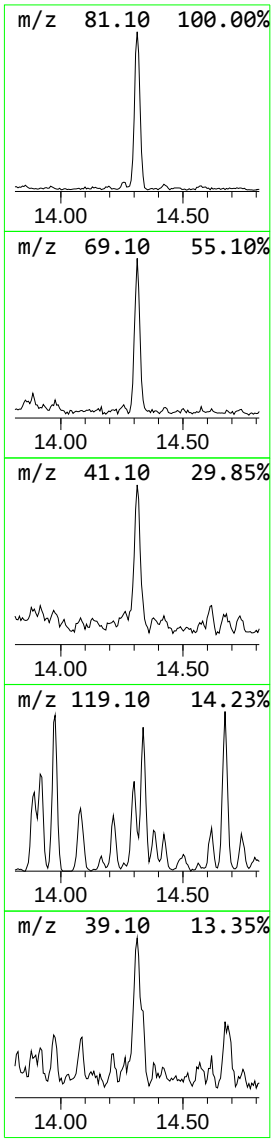
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 Fenchone Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.312 | 15.96 ug/l | 133678 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Fenchone | 152 | C10H16O | 001195-79-5 | 94 |
| 2 | L-Fenchone | 152 | C10H16O | 007787-20-4 | 93 |
| 3 | D-Fenchone | 152 | C10H16O | 004695-62-9 | 42 |
| 4 | 2,4-Dimethyl 1,4-pentadiene | 96 | C7H12 | 004161-65-3 | 38 |
| 5 | Cyclohexene,3-(2-propenyl)- | 122 | C9H14 | 015232-95-8 | 38 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111721\
Data File : VY006784.D
Acq On : 17 Nov 2021 13:33
Operator : SY/MD
Sample : M4693-03
Misc : 5.49G/5ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
UT-COMP-02

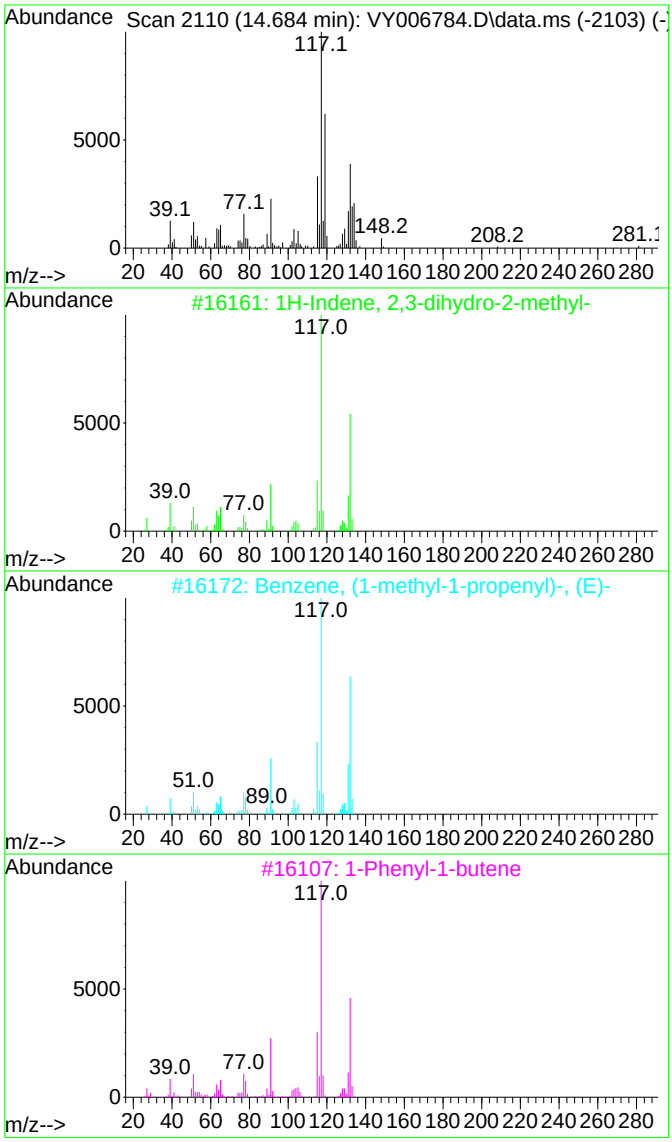
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111521S.M
Quant Title : SW846 8260

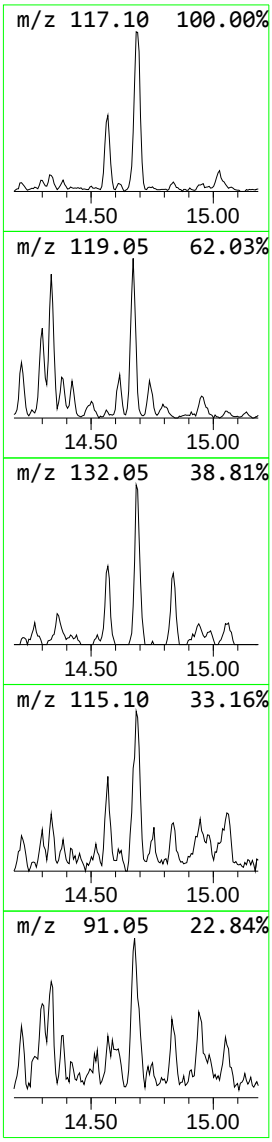
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 1H-Indene, 2,3-dihydro-2-me... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.684 | 11.50 ug/l | 96296 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-2-methyl- | 132 | C10H12 | 000824-63-5 | 70 |
| 2 | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12 | 000768-00-3 | 70 |
| 3 | 1-Phenyl-1-butene | 132 | C10H12 | 000824-90-8 | 70 |
| 4 | 1-Methyl-2-phenylcyclopropane | 132 | C10H12 | 003145-76-4 | 70 |
| 5 | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12 | 001587-04-8 | 64 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111721\
Data File : VY006784.D
Acq On : 17 Nov 2021 13:33
Operator : SY/MD
Sample : M4693-03
Misc : 5.49G/5ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
UT-COMP-02

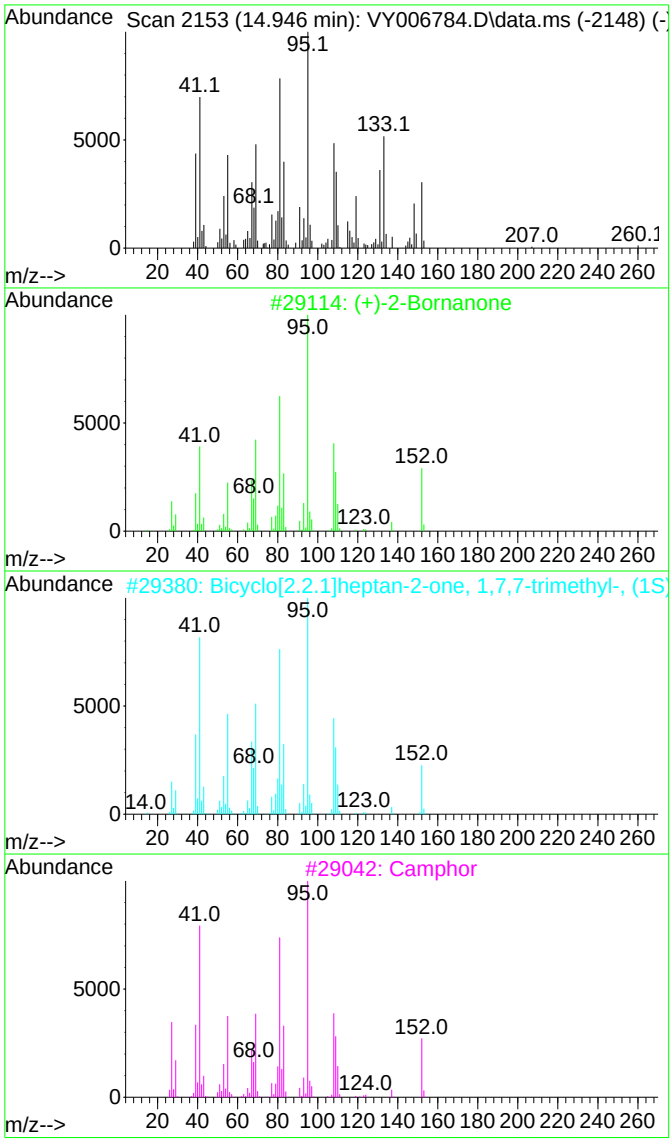
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111521S.M
Quant Title : SW846 8260

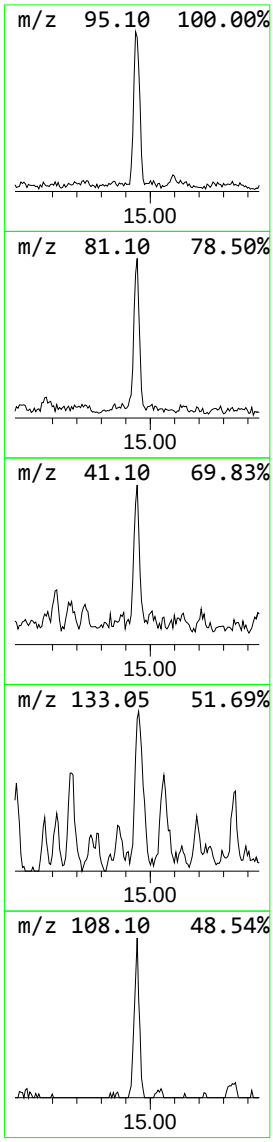
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 8 (+)-2-Bornanone Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.946 | 9.15 ug/l | 76610 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | (+)-2-Bornanone | 152 | C10H16O | 000464-49-3 | 93 |
| 2 | Bicyclo[2.2.1]heptan-2-one, 1,7,... | 152 | C10H16O | 000464-48-2 | 92 |
| 3 | Camphor | 152 | C10H16O | 000076-22-2 | 86 |
| 4 | 2-Butanone, 4-(5-methyl-2-furanyl)- | 152 | C9H12O2 | 013679-56-6 | 18 |
| 5 | Cyclohexanone, 5-methyl-2-(1-met... | 152 | C10H16O | 015932-80-6 | 18 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111721\
Data File : VY006784.D
Acq On : 17 Nov 2021 13:33
Operator : SY/MD
Sample : M4693-03
Misc : 5.49G/5ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
UT-COMP-02

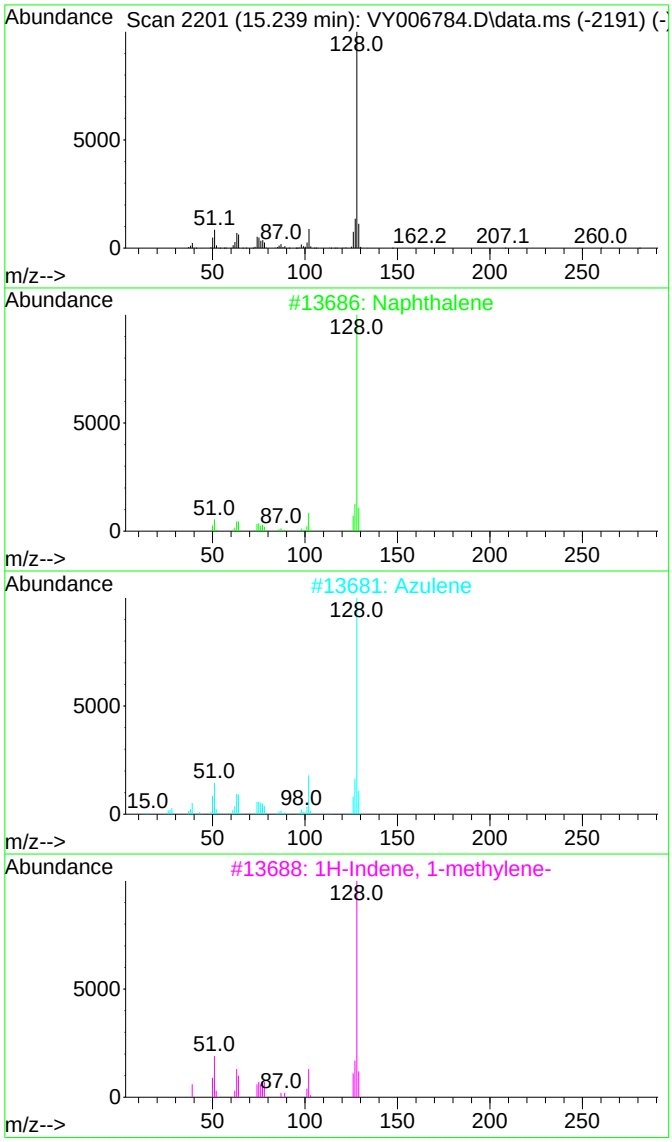
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111521S.M
Quant Title : SW846 8260

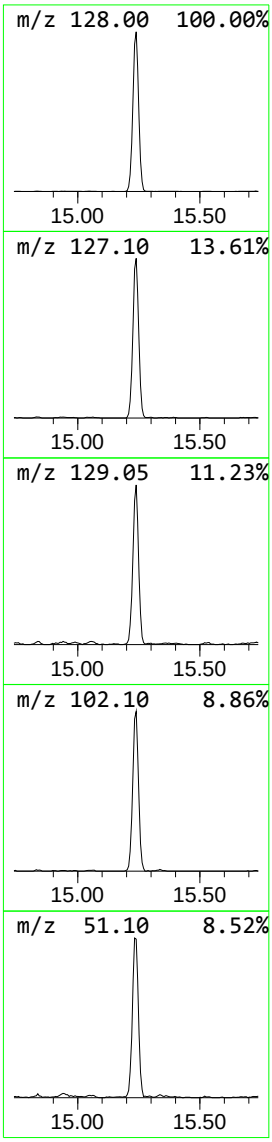
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 9 Azulene Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.239 | 101.65 ug/l | 851380 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene | 128 | C10H8 | 000091-20-3 | 95 |
| 2 | Azulene | 128 | C10H8 | 000275-51-4 | 91 |
| 3 | 1H-Indene, 1-methylene- | 128 | C10H8 | 002471-84-3 | 87 |
| 4 | 1,4-Benzenedicarbonitrile | 128 | C8H4N2 | 000623-26-7 | 59 |
| 5 | 4a,8a-(Methaniminomethano)naphth... | 275 | C18H13NO2 | 069915-10-2 | 56 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111721\
Data File : VY006784.D
Acq On : 17 Nov 2021 13:33
Operator : SY/MD
Sample : M4693-03
Misc : 5.49G/5ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
UT-COMP-02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111521S.M
Quant Title : SW846 8260

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

| | | | | | --Internal Standard--- | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Cyclohexane, et... | 11.039 | 10.6 | ug/l | 113243 | 3 | 11.496 | 534878 | 50.0 |
| Cyclohexane, 1,... | 11.093 | 12.5 | ug/l | 133435 | 3 | 11.496 | 534878 | 50.0 |
| Cyclohexane, 1,... | 11.294 | 10.3 | ug/l | 110626 | 3 | 11.496 | 534878 | 50.0 |
| Indane | 13.630 | 10.4 | ug/l | 87505 | 4 | 13.428 | 418802 | 50.0 |
| Benzene, 2-ethy... | 13.971 | 9.6 | ug/l | 80374 | 4 | 13.428 | 418802 | 50.0 |
| Fenchone | 14.312 | 16.0 | ug/l | 133678 | 4 | 13.428 | 418802 | 50.0 |
| 1H-Indene, 2,3-... | 14.684 | 11.5 | ug/l | 96296 | 4 | 13.428 | 418802 | 50.0 |
| (+)-2-Bornanone | 14.946 | 9.2 | ug/l | 76610 | 4 | 13.428 | 418802 | 50.0 |
| Azulene | 15.239 | 101.7 | ug/l | 851380 | 4 | 13.428 | 418802 | 50.0 |