LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101124\
Data File : VU061115.D
Acq On : 11 Oct 2024 13:49
Operator : MD/SY
Sample : P4380-23
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
E27G8

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Title : TRACE VOA SFAM1.0

Signal : TIC: VU061115.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.358 | 13 | 21 | 38 | rBV | 222701 | 233775 | 29.81% | 2.826% |
| 2 | 1.470 | 49 | 56 | 58 | rBV | 38937 | 37312 | 4.76% | 0.451% |
| 3 | 1.486 | 58 | 61 | 67 | rVB | 59412 | 50284 | 6.41% | 0.608% |
| 4 | 1.589 | 82 | 93 | 105 | rBV3 | 272224 | 373737 | 47.66% | 4.518% |
| 5 | 1.647 | 106 | 111 | 119 | rVV | 18188 | 19756 | 2.52% | 0.239% |
| 6 | 1.721 | 121 | 134 | 150 | rVB | 273305 | 347847 | 44.36% | 4.205% |
| 7 | 1.901 | 182 | 190 | 206 | rVB2 | 51548 | 72884 | 9.29% | 0.881% |
| 8 | 1.981 | 207 | 215 | 239 | rBV2 | 82089 | 127705 | 16.28% | 1.544% |
| 9 | 2.142 | 258 | 265 | 271 | rBV | 20450 | 26745 | 3.41% | 0.323% |
| 10 | 2.190 | 271 | 280 | 301 | rVV4 | 124923 | 225196 | 28.72% | 2.722% |
| 11 | 2.554 | 382 | 393 | 412 | rVB | 94378 | 154705 | 19.73% | 1.870% |
| 12 | 2.676 | 422 | 431 | 440 | rBV3 | 20998 | 41768 | 5.33% | 0.505% |
| 13 | 3.058 | 543 | 550 | 559 | rVV | 19884 | 32786 | 4.18% | 0.396% |
| 14 | 3.113 | 559 | 567 | 579 | rVB | 25502 | 46532 | 5.93% | 0.562% |
| 15 | 3.335 | 626 | 636 | 652 | rVB2 | 28394 | 63943 | 8.15% | 0.773% |
| 16 | 3.550 | 697 | 703 | 719 | rVB6 | 10323 | 25811 | 3.29% | 0.312% |
| 17 | 3.666 | 731 | 739 | 759 | rVB2 | 33403 | 75231 | 9.59% | 0.909% |
| 18 | 3.769 | 761 | 771 | 775 | rBV7 | 4646 | 8087 | 1.03% | 0.098% |
| 19 | 3.888 | 794 | 808 | 819 | rVB4 | 4677 | 11006 | 1.40% | 0.133% |
| 20 | 4.161 | 879 | 893 | 904 | rBV8 | 3887 | 9742 | 1.24% | 0.118% |
| 21 | 4.502 | 982 | 999 | 1017 | rVB3 | 13838 | 34694 | 4.42% | 0.419% |
| 22 | 4.682 | 1033 | 1055 | 1106 | rBV3 | 42596 | 261531 | 33.35% | 3.161% |
| 23 | 5.052 | 1156 | 1170 | 1199 | rVB | 91595 | 204191 | 26.04% | 2.468% |
| 24 | 5.351 | 1251 | 1263 | 1277 | rBV3 | 10203 | 23480 | 2.99% | 0.284% |
| 25 | 5.438 | 1277 | 1290 | 1317 | rVB8 | 7412 | 25907 | 3.30% | 0.313% |
| 26 | 5.573 | 1317 | 1332 | 1354 | rBV4 | 19412 | 45543 | 5.81% | 0.551% |
| 27 | 5.711 | 1358 | 1375 | 1404 | rBV2 | 193004 | 494773 | 63.09% | 5.981% |
| 28 | 5.833 | 1404 | 1413 | 1424 | rVB3 | 5589 | 12323 | 1.57% | 0.149% |
| 29 | 5.959 | 1444 | 1452 | 1461 | rBV8 | 3896 | 9133 | 1.16% | 0.110% |
| 30 | 6.020 | 1463 | 1471 | 1487 | rVB8 | 5253 | 12633 | 1.61% | 0.153% |
| 31 | 6.119 | 1490 | 1502 | 1513 | rBV3 | 13973 | 28112 | 3.58% | 0.340% |
| 32 | 6.238 | 1527 | 1539 | 1562 | rBV | 192156 | 371633 | 47.39% | 4.492% |
| 33 | 6.537 | 1622 | 1632 | 1646 | rVB9 | 3587 | 8158 | 1.04% | 0.099% |
| 34 | 6.682 | 1664 | 1677 | 1693 | rBV | 113502 | 231252 | 29.49% | 2.795% |
| 35 | 6.968 | 1754 | 1766 | 1784 | rVB4 | 10248 | 21383 | 2.73% | 0.258% |
| 36 | 7.180 | 1812 | 1832 | 1842 | rBV9 | 3617 | 11010 | 1.40% | 0.133% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101124\
Data File : VU061115.D
Acq On : 11 Oct 2024 13:49
Operator : MD/SY
Sample : P4380-23
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
E27G8

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Title : TRACE VOA SFAM1.0

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 7.557 | 1938 | 1949 | 1969 | rVV | 62158 | 118179 | 15.07% | 1.429% |
| 38 | 7.672 | 1970 | 1985 | 2000 | rVB5 | 8799 | 26184 | 3.34% | 0.317% |
| 39 | 7.888 | 2040 | 2052 | 2066 | rBV | 223133 | 391414 | 49.91% | 4.731% |
| 40 | 7.962 | 2067 | 2075 | 2086 | rVB | 30283 | 49190 | 6.27% | 0.595% |
| 41 | 8.174 | 2131 | 2141 | 2164 | rVB | 35747 | 64461 | 8.22% | 0.779% |
| 42 | 8.544 | 2247 | 2256 | 2270 | rVB5 | 9892 | 17677 | 2.25% | 0.214% |
| 43 | 8.634 | 2272 | 2284 | 2319 | rBV | 284467 | 559839 | 71.39% | 6.767% |
| 44 | 8.795 | 2325 | 2334 | 2346 | rVB6 | 6826 | 12931 | 1.65% | 0.156% |
| 45 | 9.409 | 2512 | 2525 | 2547 | rBV | 273252 | 465706 | 59.39% | 5.629% |
| 46 | 9.563 | 2564 | 2573 | 2583 | rBV | 10828 | 18384 | 2.34% | 0.222% |
| 47 | 9.685 | 2599 | 2611 | 2625 | rBV2 | 14889 | 26551 | 3.39% | 0.321% |
| 48 | 10.094 | 2727 | 2738 | 2752 | rBV | 18142 | 33253 | 4.24% | 0.402% |
| 49 | 10.749 | 2930 | 2942 | 2954 | rBV | 86559 | 138194 | 17.62% | 1.670% |
| 50 | 10.897 | 2978 | 2988 | 2997 | rVB2 | 5048 | 8779 | 1.12% | 0.106% |
| 51 | 10.991 | 3008 | 3017 | 3030 | rBV2 | 10805 | 21373 | 2.73% | 0.258% |
| 52 | 11.081 | 3036 | 3045 | 3067 | rVB2 | 37440 | 64697 | 8.25% | 0.782% |
| 53 | 11.286 | 3098 | 3109 | 3121 | rBV | 23958 | 38351 | 4.89% | 0.464% |
| 54 | 11.354 | 3121 | 3130 | 3141 | rVB3 | 6144 | 10533 | 1.34% | 0.127% |
| 55 | 11.460 | 3152 | 3163 | 3170 | rBV | 16682 | 27905 | 3.56% | 0.337% |
| 56 | 11.737 | 3240 | 3249 | 3256 | rVB5 | 6431 | 9842 | 1.26% | 0.119% |
| 57 | 11.804 | 3256 | 3270 | 3286 | rVV | 289603 | 481306 | 61.37% | 5.818% |
| 58 | 11.888 | 3286 | 3296 | 3307 | rVB | 34365 | 53911 | 6.87% | 0.652% |
| 59 | 12.058 | 3337 | 3349 | 3354 | rBV2 | 45503 | 83011 | 10.59% | 1.003% |
| 60 | 12.183 | 3377 | 3388 | 3414 | rVB | 228005 | 385126 | 49.11% | 4.655% |
| 61 | 12.306 | 3420 | 3426 | 3437 | rVB7 | 4292 | 8157 | 1.04% | 0.099% |
| 62 | 12.373 | 3438 | 3447 | 3456 | rVB3 | 5124 | 9322 | 1.19% | 0.113% |
| 63 | 12.563 | 3498 | 3506 | 3513 | rBV | 6341 | 8798 | 1.12% | 0.106% |
| 64 | 12.675 | 3533 | 3541 | 3559 | rVB5 | 5627 | 14807 | 1.89% | 0.179% |
| 65 | 12.875 | 3596 | 3603 | 3613 | rVB8 | 5971 | 10532 | 1.34% | 0.127% |
| 66 | 12.936 | 3613 | 3622 | 3627 | rVV7 | 5517 | 9183 | 1.17% | 0.111% |
| 67 | 12.965 | 3627 | 3631 | 3639 | rVV3 | 6824 | 9722 | 1.24% | 0.118% |
| 68 | 13.019 | 3639 | 3648 | 3662 | rVB | 15949 | 27944 | 3.56% | 0.338% |
| 69 | 13.283 | 3718 | 3730 | 3745 | rBV3 | 14029 | 27406 | 3.49% | 0.331% |
| 70 | 13.444 | 3771 | 3780 | 3791 | rVB4 | 21784 | 37483 | 4.78% | 0.453% |
| 71 | 13.833 | 3892 | 3901 | 3918 | rBV6 | 23439 | 47581 | 6.07% | 0.575% |
| 72 | 13.955 | 3933 | 3939 | 3952 | rVB8 | 6150 | 10893 | 1.39% | 0.132% |
| 73 | 14.077 | 3963 | 3977 | 4000 | rBV | 474464 | 784214 | 100.00% | 9.479% |
| 74 | 14.203 | 4008 | 4016 | 4025 | rVB | 10410 | 16436 | 2.10% | 0.199% |
| 75 | 14.322 | 4045 | 4053 | 4065 | rVB3 | 17494 | 29747 | 3.79% | 0.360% |
| 76 | 15.215 | 4321 | 4331 | 4349 | rVB | 72250 | 118042 | 15.05% | 1.427% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101124\
Data File : VU061115.D
Acq On : 11 Oct 2024 13:49
Operator : MD/SY
Sample : P4380-23
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
E27G8

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Title : TRACE VOA SFAM1.0

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 15.405 | 4377 | 4390 | 4404 | rBV | 37964 | 65486 | 8.35% | 0.792% |
| 78 | 15.949 | 4551 | 4559 | 4566 | rBV2 | 14197 | 21301 | 2.72% | 0.257% |
| 79 | 15.994 | 4567 | 4573 | 4586 | rVB5 | 5624 | 8952 | 1.14% | 0.108% |
| 80 | 16.260 | 4646 | 4656 | 4670 | rBV2 | 9699 | 17664 | 2.25% | 0.214% |
| 81 | 16.402 | 4692 | 4700 | 4708 | rBV | 14999 | 24771 | 3.16% | 0.299% |
| 82 | 16.444 | 4708 | 4713 | 4723 | rVB4 | 9363 | 13740 | 1.75% | 0.166% |
| 83 | 16.881 | 4839 | 4849 | 4861 | rVB3 | 15869 | 28060 | 3.58% | 0.339% |
| 84 | 17.090 | 4906 | 4914 | 4924 | rVB2 | 12158 | 19133 | 2.44% | 0.231% |
| 85 | 17.412 | 5007 | 5014 | 5028 | rVB2 | 8699 | 16160 | 2.06% | 0.195% |

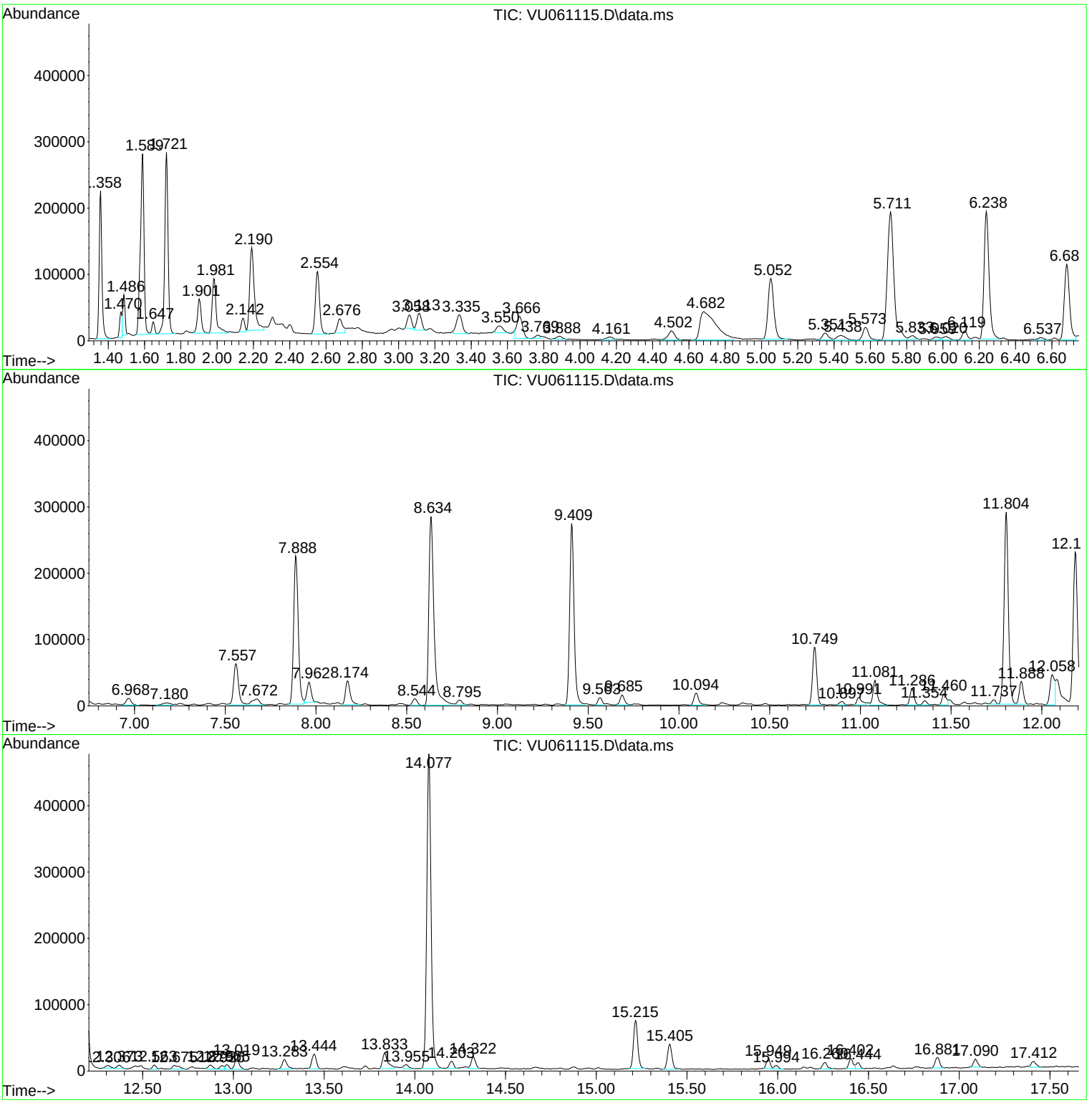
Sum of corrected areas: 8272939

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101124\
Data File : VU061115.D
Acq On : 11 Oct 2024 13:49
Operator : MD/SY
Sample : P4380-23
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
E27G8

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Quant Title : TRACE VOA SFAM1.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101124\
Data File : VU061115.D
Acq On : 11 Oct 2024 13:49
Operator : MD/SY
Sample : P4380-23
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
E27G8

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Quant Title : TRACE VOA SFAM1.0

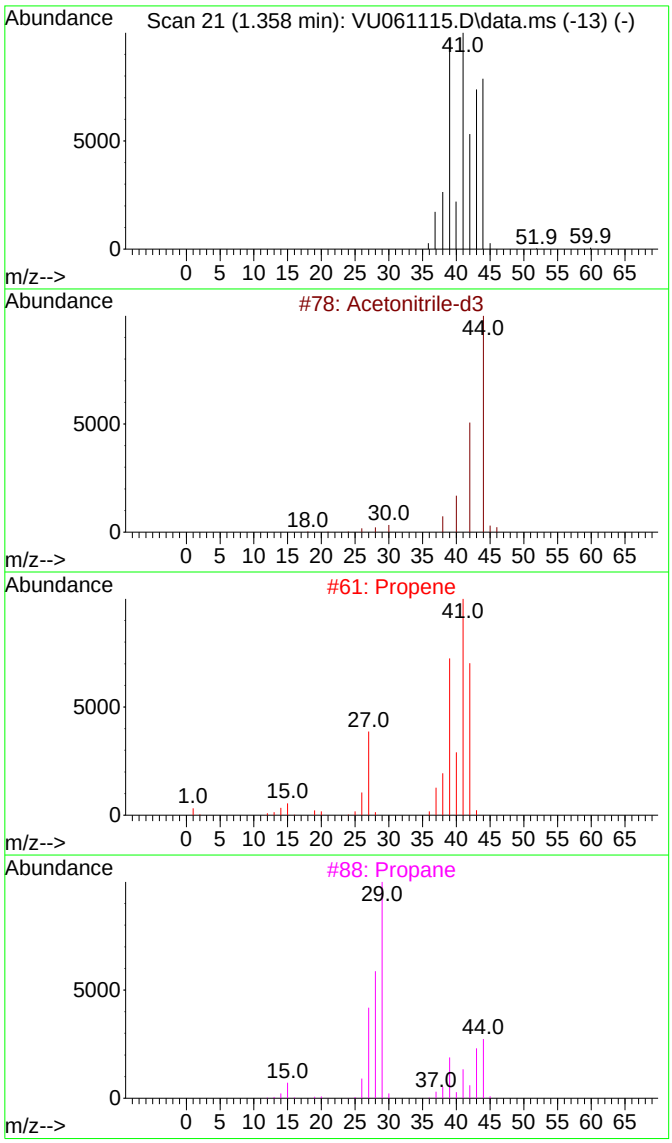
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

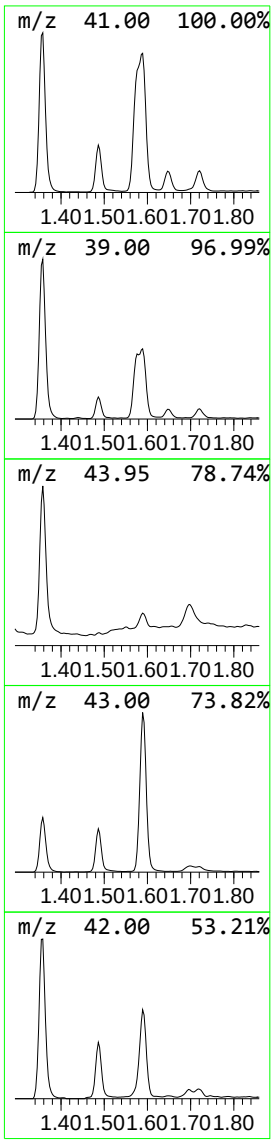
**********

Peak Number 1 unknown-01 Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.358 | 3.15 ug/L | 233775 | 1,4-Difluorobenzene | 6.238 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Acetonitrile-d3 | 44 | C2D3N | 002206-26-0 | 7 |
| 2 | Propene | 42 | C3H6 | 000115-07-1 | 7 |
| 3 | Propane | 44 | C3H8 | 000074-98-6 | 5 |
| 4 | Cyclopropane | 42 | C3H6 | 000075-19-4 | 4 |
| 5 | Cyclopropane | 42 | C3H6 | 000075-19-4 | 4 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101124\
Data File : VU061115.D
Acq On : 11 Oct 2024 13:49
Operator : MD/SY
Sample : P4380-23
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
E27G8

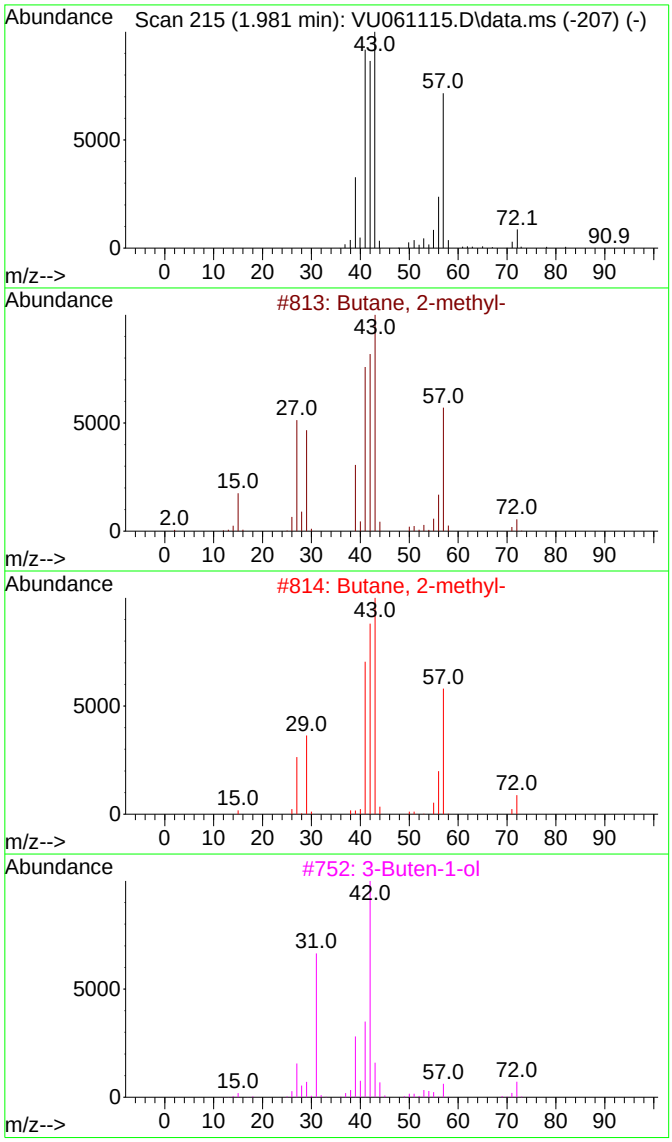
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Quant Title : TRACE VOA SFAM1.0

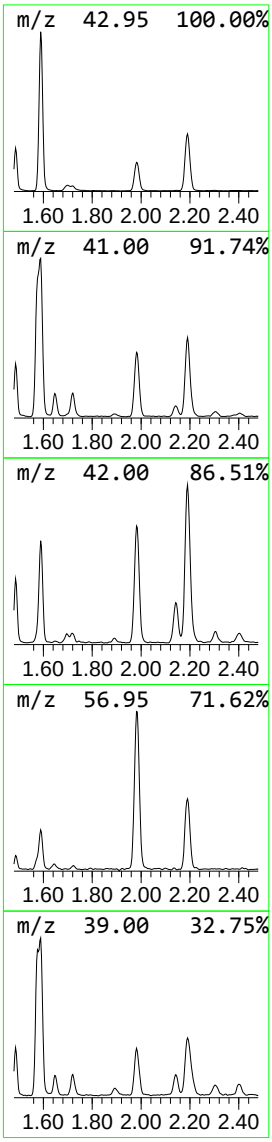
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.981 | 1.72 ug/L | 127705 | 1,4-Difluorobenzene | 6.238 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methyl- | 72 | C5H12 | 000078-78-4 | 90 |
| 2 | Butane, 2-methyl- | 72 | C5H12 | 000078-78-4 | 87 |
| 3 | 3-Buten-1-ol | 72 | C4H8O | 000627-27-0 | 43 |
| 4 | Oxirane, trimethyl- | 86 | C5H10O | 005076-19-7 | 42 |
| 5 | Isobutylene epoxide | 72 | C4H8O | 000558-30-5 | 40 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101124\
Data File : VU061115.D
Acq On : 11 Oct 2024 13:49
Operator : MD/SY
Sample : P4380-23
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
E27G8

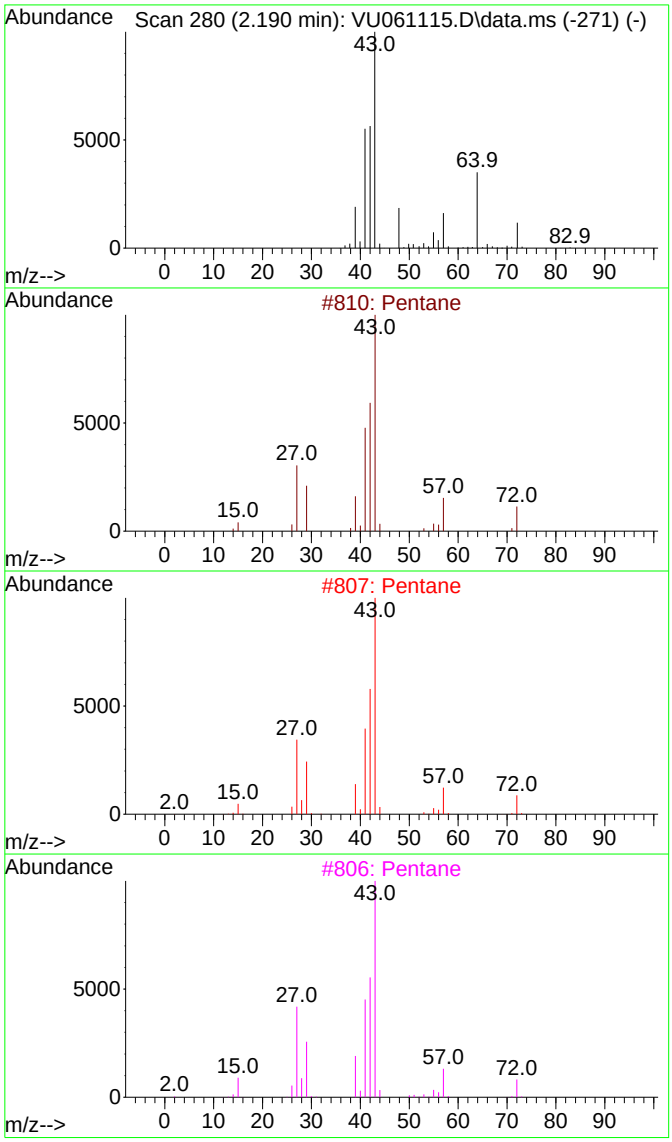
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Quant Title : TRACE VOA SFAM1.0

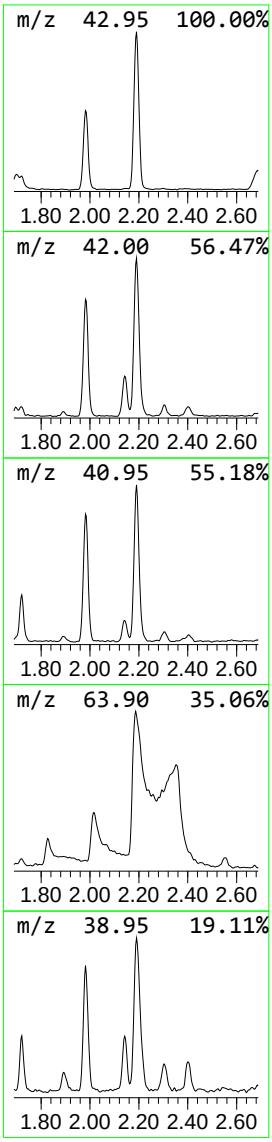
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.190 | 3.03 ug/L | 225196 | 1,4-Difluorobenzene | 6.238 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane | 72 | C5H12 | 000109-66-0 | 58 |
| 2 | Pentane | 72 | C5H12 | 000109-66-0 | 58 |
| 3 | Pentane | 72 | C5H12 | 000109-66-0 | 58 |
| 4 | Pentane | 72 | C5H12 | 000109-66-0 | 53 |
| 5 | 1-Propanol, 2-methyl- | 74 | C4H10O | 000078-83-1 | 28 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101124\
Data File : VU061115.D
Acq On : 11 Oct 2024 13:49
Operator : MD/SY
Sample : P4380-23
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
E27G8

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Quant Title : TRACE VOA SFAM1.0

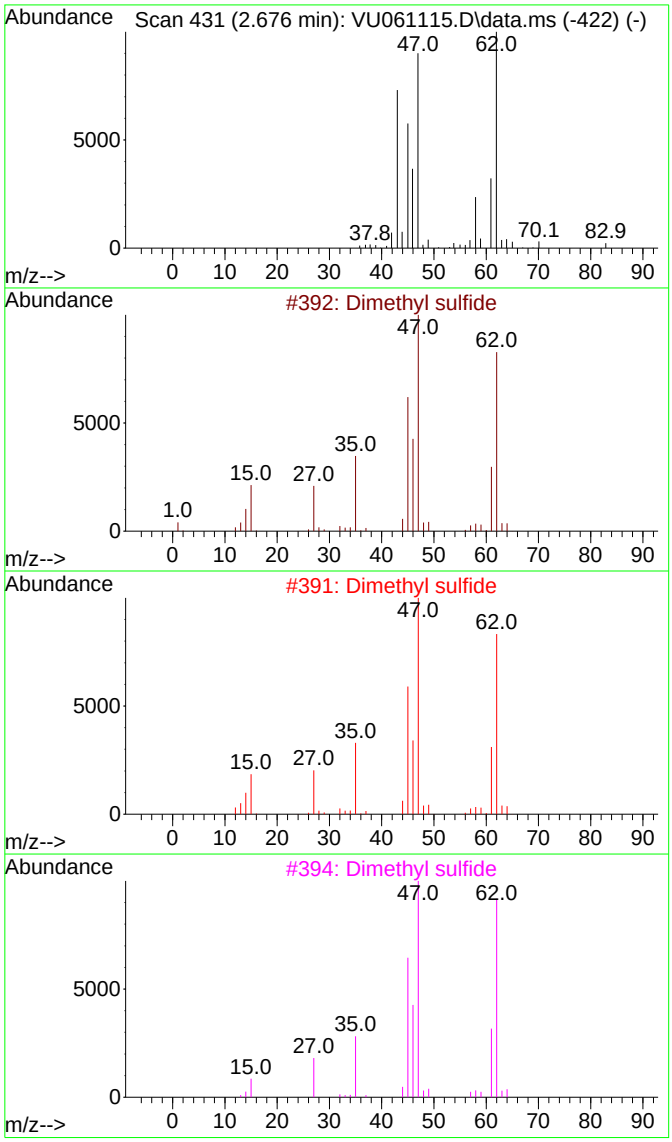
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

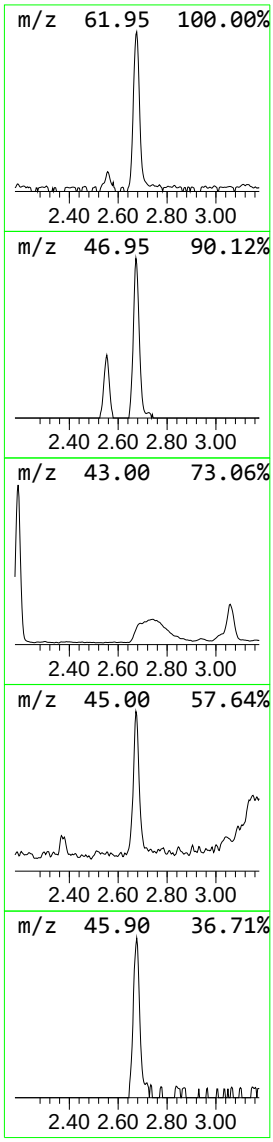
**********

Peak Number 5 Dimethyl sulfide Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.676 | 0.56 ug/L | 41768 | 1,4-Difluorobenzene | 6.238 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dimethyl sulfide | 62 | C2H6S | 000075-18-3 | 91 |
| 2 | Dimethyl sulfide | 62 | C2H6S | 000075-18-3 | 91 |
| 3 | Dimethyl sulfide | 62 | C2H6S | 000075-18-3 | 91 |
| 4 | Dimethyl sulfide | 62 | C2H6S | 000075-18-3 | 90 |
| 5 | Dimethyl sulfide | 62 | C2H6S | 000075-18-3 | 87 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101124\
Data File : VU061115.D
Acq On : 11 Oct 2024 13:49
Operator : MD/SY
Sample : P4380-23
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
E27G8

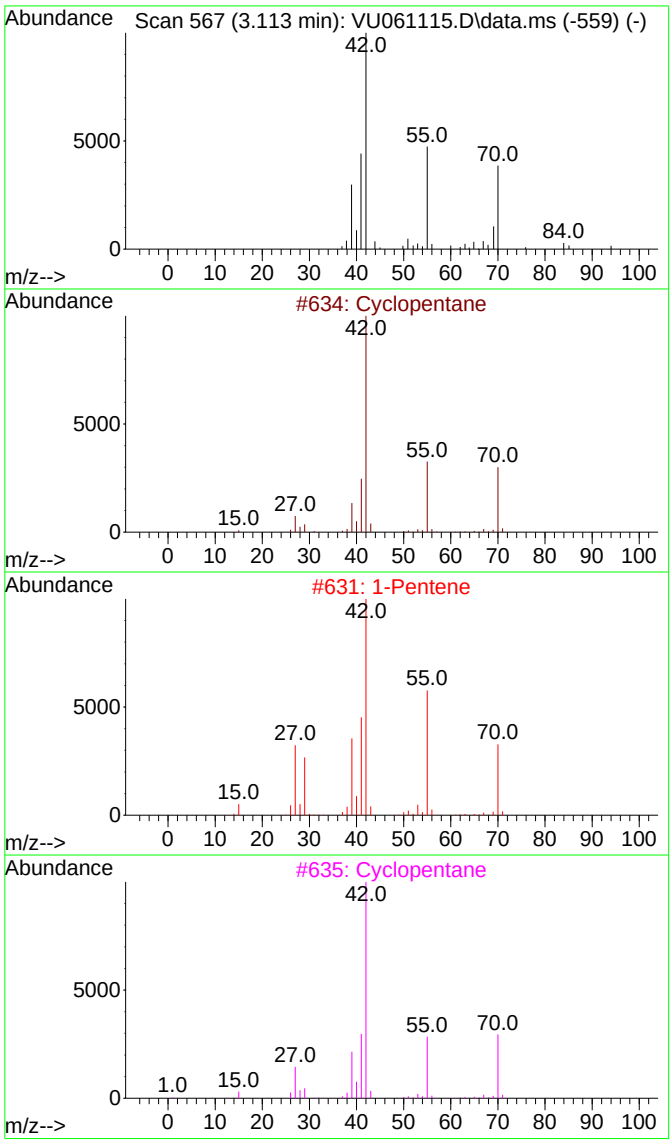
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Quant Title : TRACE VOA SFAM1.0

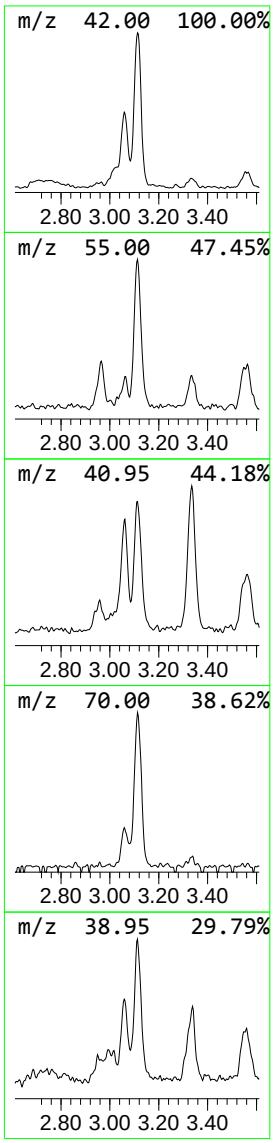
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 (DEL) Alkane: Cyclic3.113 Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.113 | 0.63 ug/L | 46532 | 1,4-Difluorobenzene | 6.238 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane | 70 | C5H10 | 000287-92-3 | 80 |
| 2 | 1-Pentene | 70 | C5H10 | 000109-67-1 | 72 |
| 3 | Cyclopentane | 70 | C5H10 | 000287-92-3 | 72 |
| 4 | Cyclopentane | 70 | C5H10 | 000287-92-3 | 72 |
| 5 | 1-Pentene | 70 | C5H10 | 000109-67-1 | 64 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101124\
Data File : VU061115.D
Acq On : 11 Oct 2024 13:49
Operator : MD/SY
Sample : P4380-23
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
E27G8

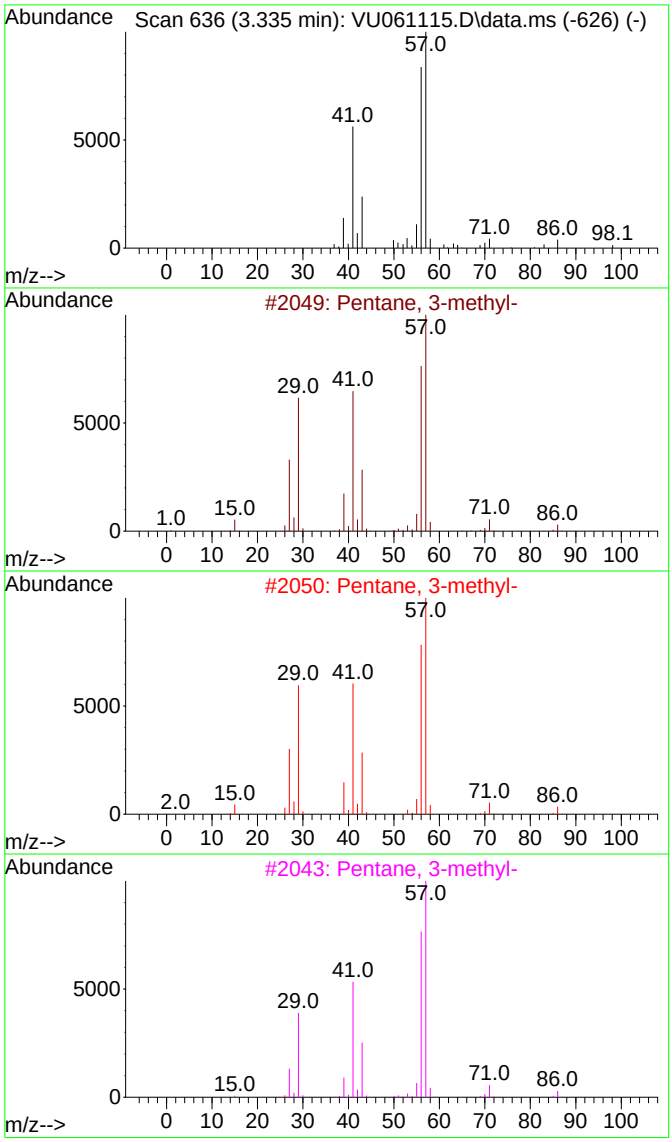
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Quant Title : TRACE VOA SFAM1.0

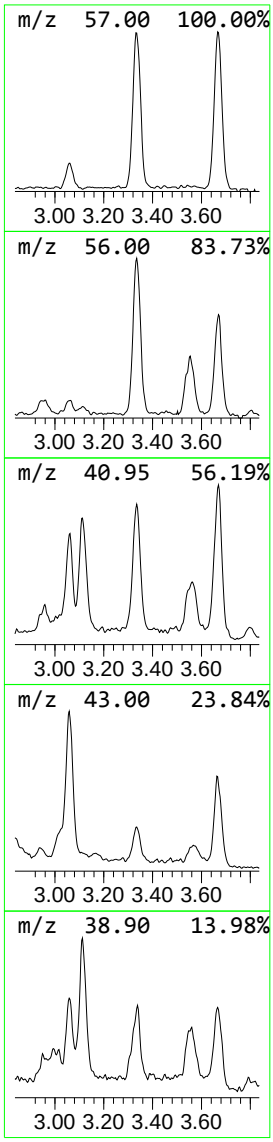
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.335 | 0.86 ug/L | 63943 | 1,4-Difluorobenzene | 6.238 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane, 3-methyl- | 86 | C6H14 | 000096-14-0 | 86 |
| 2 | Pentane, 3-methyl- | 86 | C6H14 | 000096-14-0 | 80 |
| 3 | Pentane, 3-methyl- | 86 | C6H14 | 000096-14-0 | 80 |
| 4 | Hexane, 2,2,3-trimethyl- | 128 | C9H20 | 016747-25-4 | 72 |
| 5 | Pentane, 3-ethyl-2,2-dimethyl- | 128 | C9H20 | 016747-32-3 | 56 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101124\
Data File : VU061115.D
Acq On : 11 Oct 2024 13:49
Operator : MD/SY
Sample : P4380-23
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
E27G8

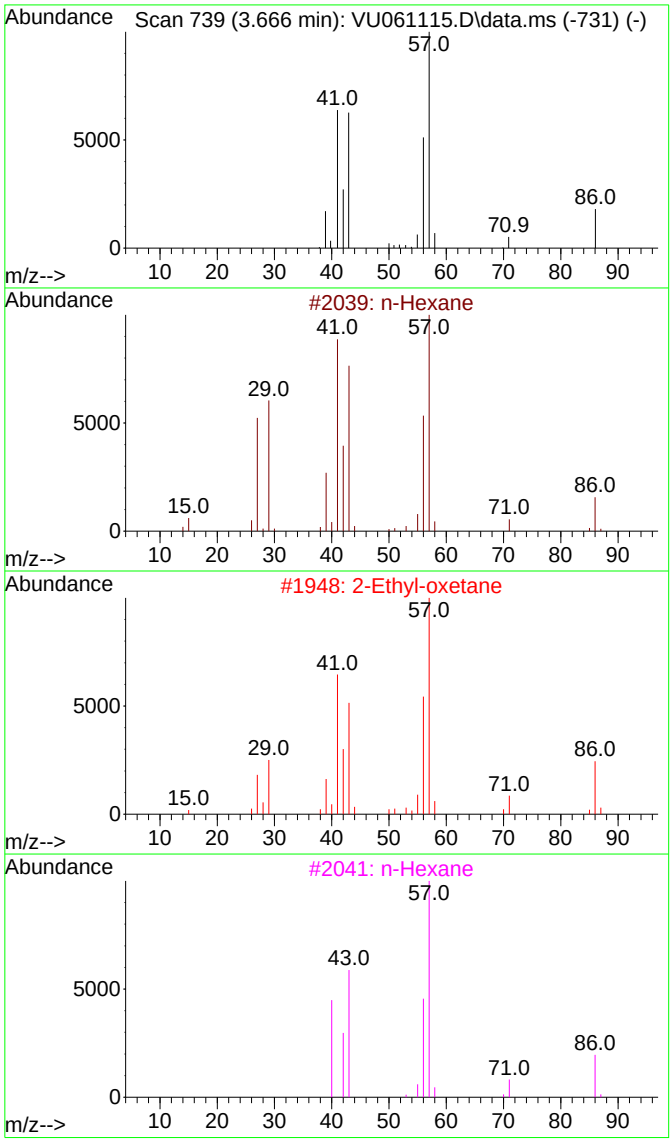
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Quant Title : TRACE VOA SFAM1.0

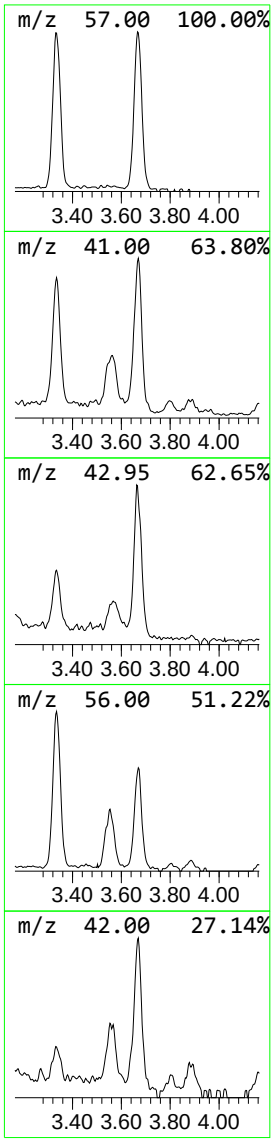
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.666 | 1.01 ug/L | 75231 | 1,4-Difluorobenzene | 6.238 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexane | 86 | C6H14 | 000110-54-3 | 83 |
| 2 | 2-Ethyl-oxetane | 86 | C5H10O | 1010386-40-2 | 78 |
| 3 | n-Hexane | 86 | C6H14 | 000110-54-3 | 72 |
| 4 | n-Hexane | 86 | C6H14 | 000110-54-3 | 59 |
| 5 | n-Hexane | 86 | C6H14 | 000110-54-3 | 59 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101124\
Data File : VU061115.D
Acq On : 11 Oct 2024 13:49
Operator : MD/SY
Sample : P4380-23
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
E27G8

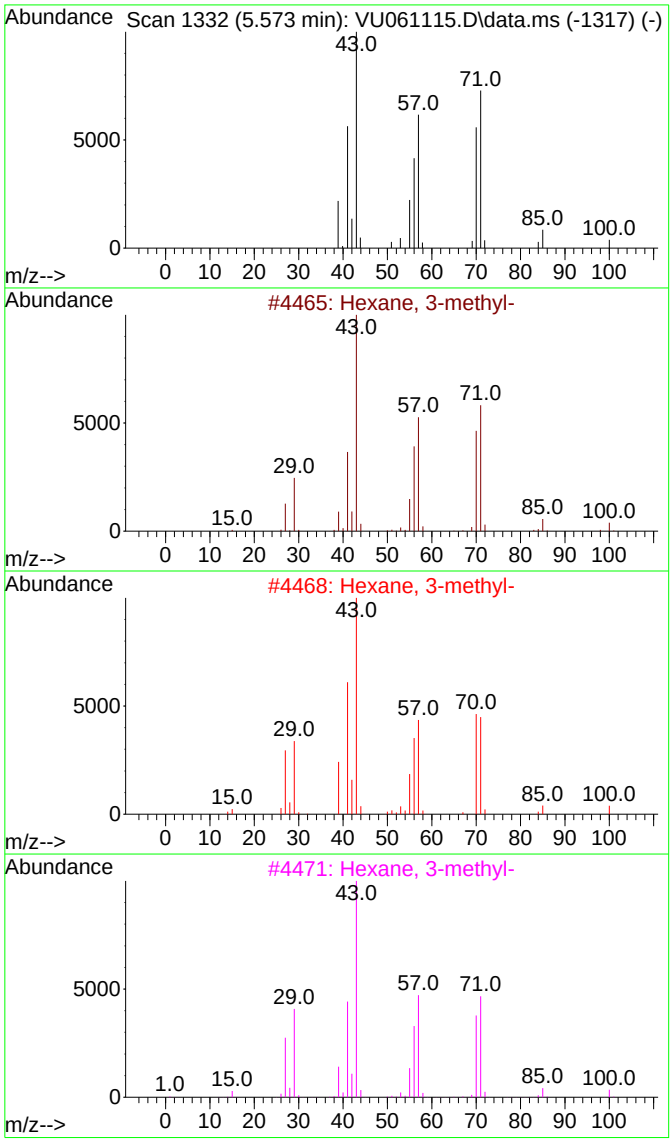
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Quant Title : TRACE VOA SFAM1.0

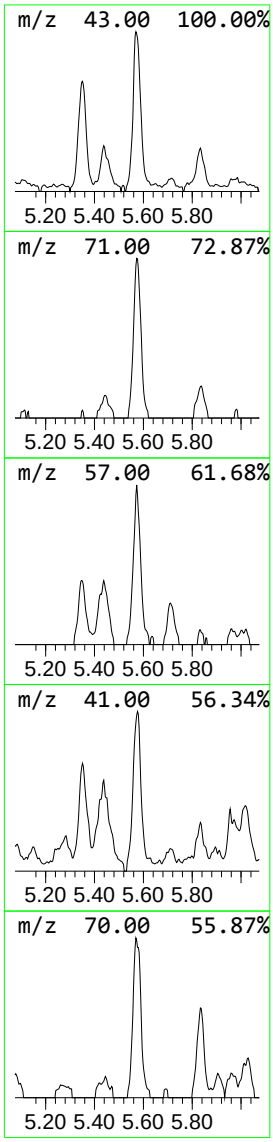
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.573 | 0.61 ug/L | 45543 | 1,4-Difluorobenzene | 6.238 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexane, 3-methyl- | 100 | C7H16 | 000589-34-4 | 91 |
| 2 | Hexane, 3-methyl- | 100 | C7H16 | 000589-34-4 | 91 |
| 3 | Hexane, 3-methyl- | 100 | C7H16 | 000589-34-4 | 91 |
| 4 | Heptane, 4-methyl- | 114 | C8H18 | 000589-53-7 | 59 |
| 5 | Heptane, 3,4-dimethyl- | 128 | C9H20 | 000922-28-1 | 59 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101124\
Data File : VU061115.D
Acq On : 11 Oct 2024 13:49
Operator : MD/SY
Sample : P4380-23
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
E27G8

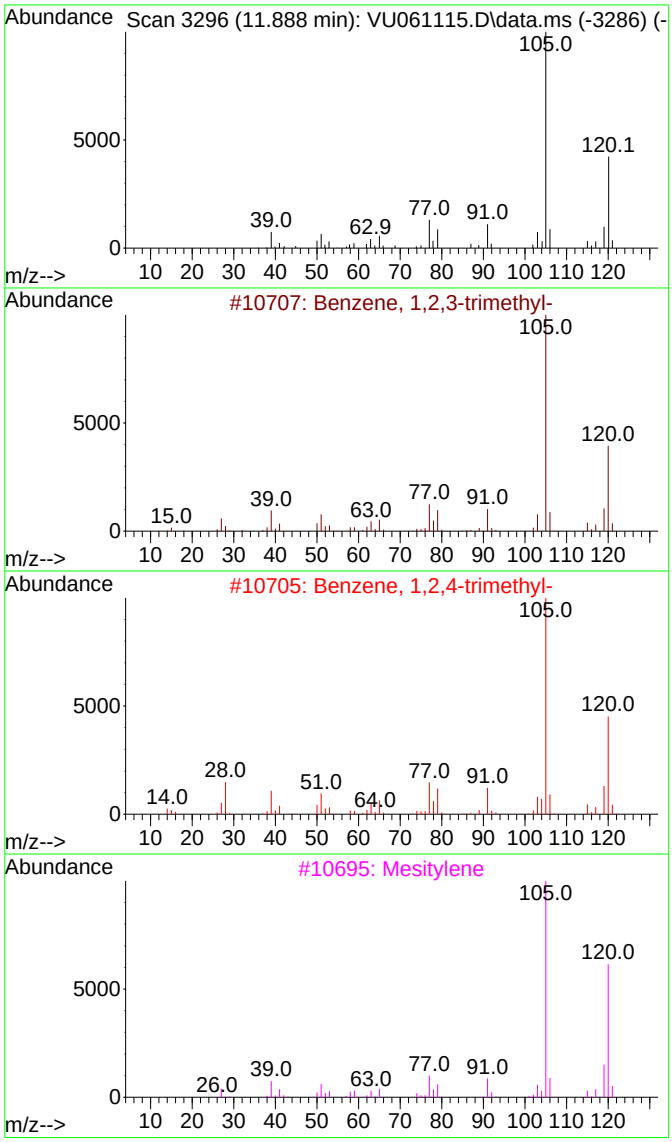
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Quant Title : TRACE VOA SFAM1.0

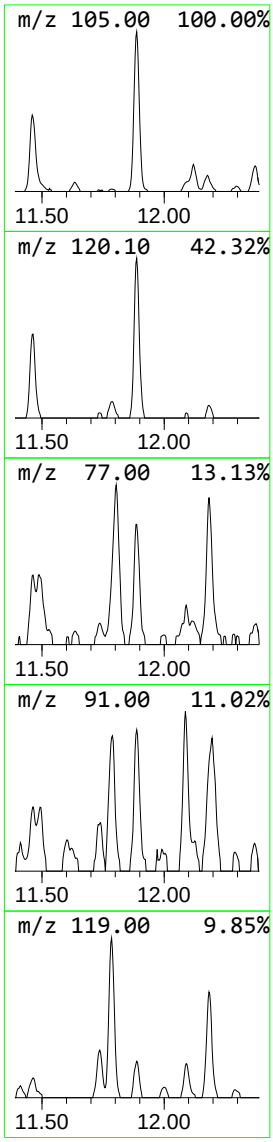
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 11 Benzene, 1,2,3-trimethyl- Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.888 | 0.56 ug/L | 53911 | 1,4-Dichlorobenzene-d4 | 11.804 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 94 |
| 2 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 94 |
| 3 | Mesitylene | 120 | C9H12 | 000108-67-8 | 94 |
| 4 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 94 |
| 5 | Benzene, 1-ethyl-4-methyl- | 120 | C9H12 | 000622-96-8 | 93 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101124\
Data File : VU061115.D
Acq On : 11 Oct 2024 13:49
Operator : MD/SY
Sample : P4380-23
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
E27G8

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Quant Title : TRACE VOA SFAM1.0

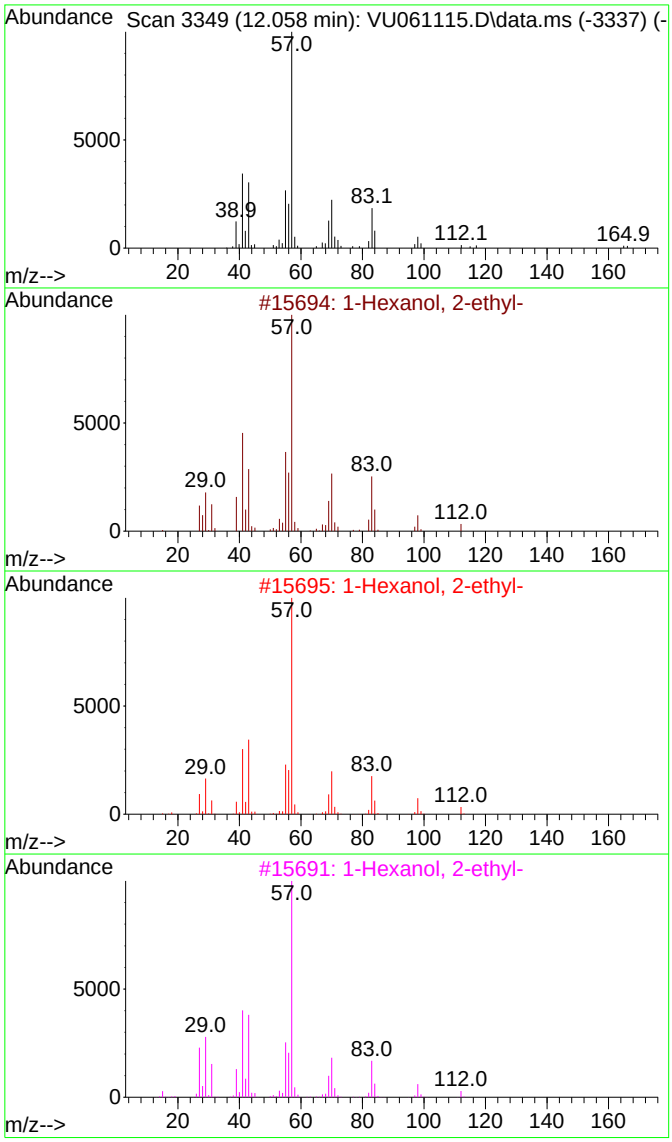
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

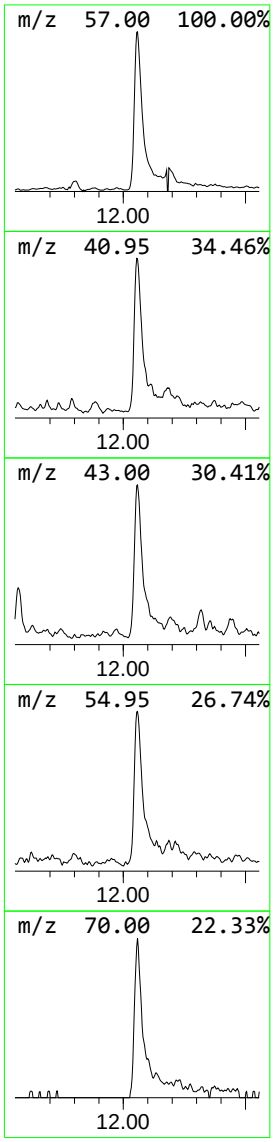
**********

Peak Number 12 1-Hexanol, 2-ethyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.058 | 0.86 ug/L | 83011 | 1,4-Dichlorobenzene-d4 | 11.804 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Hexanol, 2-ethyl- | 130 | C8H18O | 000104-76-7 | 78 |
| 2 | 1-Hexanol, 2-ethyl- | 130 | C8H18O | 000104-76-7 | 78 |
| 3 | 1-Hexanol, 2-ethyl- | 130 | C8H18O | 000104-76-7 | 78 |
| 4 | 1-Hexanol, 2-ethyl- | 130 | C8H18O | 000104-76-7 | 72 |
| 5 | Decane, 5,6-dipropyl- | 226 | C16H34 | 119209-20-0 | 64 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101124\
Data File : VU061115.D
Acq On : 11 Oct 2024 13:49
Operator : MD/SY
Sample : P4380-23
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
E27G8

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Quant Title : TRACE VOA SFAM1.0

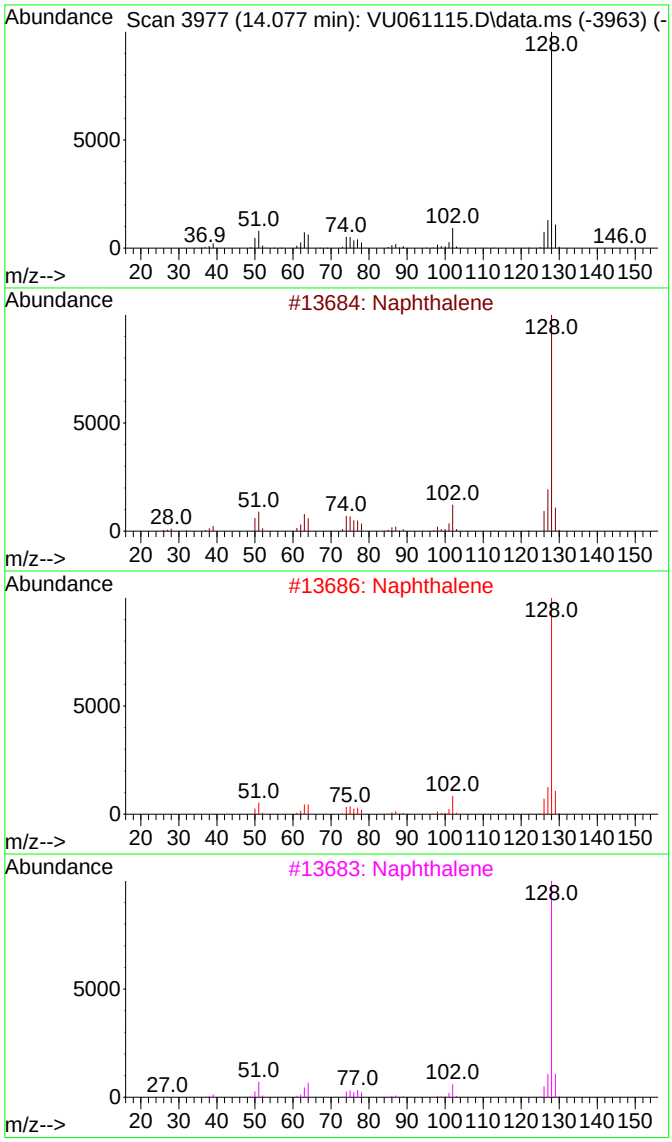
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

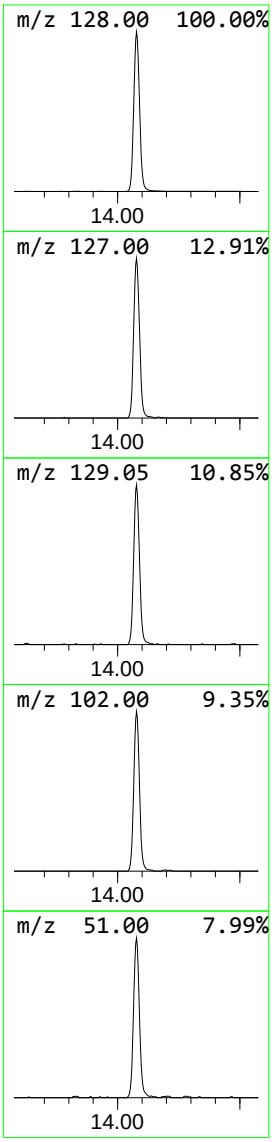
**********

Peak Number 13 Azulene Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.077 | 8.15 ug/L | 784214 | 1,4-Dichlorobenzene-d4 | 11.804 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene | 128 | C10H8 | 000091-20-3 | 97 |
| 2 | Naphthalene | 128 | C10H8 | 000091-20-3 | 95 |
| 3 | Naphthalene | 128 | C10H8 | 000091-20-3 | 94 |
| 4 | Azulene | 128 | C10H8 | 000275-51-4 | 94 |
| 5 | Azulene | 128 | C10H8 | 000275-51-4 | 91 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101124\
Data File : VU061115.D
Acq On : 11 Oct 2024 13:49
Operator : MD/SY
Sample : P4380-23
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
E27G8

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Quant Title : TRACE VOA SFAM1.0

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

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| unknown-01 | 1.358 | 3.1 | ug/L | 233775 | 1 | 6.238 | 371633 | 5.0 |
| (DEL) Alkane: S... | 1.981 | 1.7 | ug/L | 127705 | 1 | 6.238 | 371633 | 5.0 |
| (DEL) Alkane: S... | 2.190 | 3.0 | ug/L | 225196 | 1 | 6.238 | 371633 | 5.0 |
| Dimethyl sulfide | 2.676 | 0.6 | ug/L | 41768 | 1 | 6.238 | 371633 | 5.0 |
| (DEL) Alkane: C... | 3.113 | 0.6 | ug/L | 46532 | 1 | 6.238 | 371633 | 5.0 |
| (DEL) Alkane: S... | 3.335 | 0.9 | ug/L | 63943 | 1 | 6.238 | 371633 | 5.0 |
| (DEL) Alkane: S... | 3.666 | 1.0 | ug/L | 75231 | 1 | 6.238 | 371633 | 5.0 |
| (DEL) Alkane: S... | 5.573 | 0.6 | ug/L | 45543 | 1 | 6.238 | 371633 | 5.0 |
| Benzene, 1,2,3-... | 11.888 | 0.6 | ug/L | 53911 | 3 | 11.804 | 481306 | 5.0 |
| 1-Hexanol, 2-et... | 12.058 | 0.9 | ug/L | 83011 | 3 | 11.804 | 481306 | 5.0 |
| Azulene | 14.077 | 8.2 | ug/L | 784214 | 3 | 11.804 | 481306 | 5.0 |