

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV062424\  
 Data File : VV036248.D  
 Acq On : 24 Jun 2024 16:01  
 Operator : SY/MD  
 Sample : P2987-04RE  
 Misc : 4.65g/10.0mL/MSVOA\_V/SOIL/B  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0T88RE

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

Min Area: 0 % 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\_V\Method\SFAMVLM053024SMA.M  
 Title : VOC Analysis

Signal : TIC: VV036248.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 1.275       | 68            | 73          | 90           | rVB      | 89511          | 97610         | 20.91%          | 3.123%        |
| 2         | 1.529       | 146           | 152         | 165          | rVB      | 76347          | 88902         | 19.04%          | 2.845%        |
| 3         | 2.053       | 307           | 315         | 330          | rVB      | 146141         | 210055        | 44.99%          | 6.721%        |
| 4         | 2.446       | 430           | 437         | 449          | rVB2     | 14441          | 24118         | 5.17%           | 0.772%        |
| 5         | 2.706       | 516           | 518         | 519          | rBV      | 269            | 112           | 0.02%           | 0.004%        |
| 6         | 2.748       | 528           | 531         | 536          | rBV2     | 380            | 381           | 0.08%           | 0.012%        |
| 7         | 2.835       | 555           | 558         | 564          | rBV2     | 464            | 351           | 0.08%           | 0.011%        |
| 8         | 2.963       | 588           | 598         | 611          | rBV3     | 16297          | 33405         | 7.16%           | 1.069%        |
| 9         | 3.111       | 640           | 644         | 645          | rBV      | 288            | 177           | 0.04%           | 0.006%        |
| 10        | 3.130       | 648           | 650         | 652          | rBV2     | 329            | 132           | 0.03%           | 0.004%        |
| 11        | 3.220       | 675           | 678         | 684          | rVB2     | 396            | 290           | 0.06%           | 0.009%        |
| 12        | 3.256       | 688           | 689         | 693          | rBV      | 316            | 175           | 0.04%           | 0.006%        |
| 13        | 3.516       | 767           | 770         | 774          | rVB2     | 315            | 210           | 0.04%           | 0.007%        |
| 14        | 3.536       | 774           | 776         | 779          | rBV2     | 245            | 160           | 0.03%           | 0.005%        |
| 15        | 3.584       | 789           | 791         | 793          | rBV      | 275            | 118           | 0.03%           | 0.004%        |
| 16        | 3.632       | 803           | 806         | 809          | rBV      | 218            | 146           | 0.03%           | 0.005%        |
| 17        | 3.645       | 809           | 810         | 815          | rVB2     | 272            | 146           | 0.03%           | 0.005%        |
| 18        | 3.677       | 815           | 820         | 822          | rBV      | 370            | 295           | 0.06%           | 0.009%        |
| 19        | 3.745       | 839           | 841         | 843          | rBV      | 277            | 184           | 0.04%           | 0.006%        |
| 20        | 3.838       | 854           | 870         | 890          | rBV2     | 10153          | 36562         | 7.83%           | 1.170%        |
| 21        | 4.249       | 984           | 998         | 1026         | rBV2     | 79062          | 211781        | 45.36%          | 6.776%        |
| 22        | 4.603       | 1106          | 1108        | 1109         | rBV      | 236            | 74            | 0.02%           | 0.002%        |
| 23        | 4.748       | 1150          | 1153        | 1156         | rBV2     | 295            | 222           | 0.05%           | 0.007%        |
| 24        | 4.815       | 1172          | 1174        | 1176         | rBV      | 306            | 137           | 0.03%           | 0.004%        |
| 25        | 4.957       | 1204          | 1218        | 1246         | rBV2     | 180872         | 466844        | 100.00%         | 14.937%       |
| 26        | 5.362       | 1343          | 1344        | 1347         | rVB3     | 298            | 138           | 0.03%           | 0.004%        |
| 27        | 5.391       | 1351          | 1353        | 1356         | rBV      | 249            | 152           | 0.03%           | 0.005%        |
| 28        | 5.465       | 1374          | 1376        | 1379         | rVB2     | 264            | 146           | 0.03%           | 0.005%        |
| 29        | 5.484       | 1379          | 1382        | 1387         | rBV3     | 347            | 241           | 0.05%           | 0.008%        |
| 30        | 5.535       | 1387          | 1398        | 1422         | rBV      | 156760         | 340964        | 73.04%          | 10.910%       |
| 31        | 5.834       | 1481          | 1491        | 1507         | rBV6     | 4820           | 11001         | 2.36%           | 0.352%        |
| 32        | 5.989       | 1527          | 1539        | 1567         | rBV      | 105292         | 226959        | 48.62%          | 7.262%        |
| 33        | 6.191       | 1600          | 1602        | 1604         | rBV2     | 452            | 182           | 0.04%           | 0.006%        |
| 34        | 6.275       | 1626          | 1628        | 1631         | rBV2     | 300            | 126           | 0.03%           | 0.004%        |
| 35        | 6.288       | 1631          | 1632        | 1634         | rBV      | 206            | 101           | 0.02%           | 0.003%        |
| 36        | 6.359       | 1651          | 1654        | 1662         | rBV3     | 324            | 350           | 0.07%           | 0.011%        |

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 Sample : P2987-04RE  
 Misc : 4.65g/10.0mL/MSVOA\_V/SOIL/B  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 COT88RE

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

Min Area: 0 % 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\_V\Method\SFAMVLM053024SMA.M  
 Title : VOC Analysis

|    |        |      |      |      |      |        |        |        |         |
|----|--------|------|------|------|------|--------|--------|--------|---------|
| 37 | 6.387  | 1662 | 1663 | 1664 | rBV3 | 125    | 41     | 0.01%  | 0.001%  |
| 38 | 6.426  | 1673 | 1675 | 1676 | rBV  | 116    | 26     | 0.01%  | 0.001%  |
| 39 | 6.458  | 1683 | 1685 | 1689 | rVB3 | 288    | 191    | 0.04%  | 0.006%  |
| 40 | 6.535  | 1706 | 1709 | 1711 | rBV2 | 229    | 149    | 0.03%  | 0.005%  |
| 41 | 6.551  | 1711 | 1714 | 1719 | rVB4 | 403    | 420    | 0.09%  | 0.013%  |
| 42 | 6.577  | 1719 | 1722 | 1725 | rBV2 | 265    | 212    | 0.05%  | 0.007%  |
| 43 | 6.603  | 1726 | 1730 | 1733 | rVB  | 495    | 308    | 0.07%  | 0.010%  |
| 44 | 6.641  | 1734 | 1742 | 1744 | rBV2 | 285    | 365    | 0.08%  | 0.012%  |
| 45 | 6.651  | 1744 | 1745 | 1750 | rVB2 | 449    | 270    | 0.06%  | 0.009%  |
| 46 | 6.677  | 1751 | 1753 | 1760 | rVB3 | 415    | 272    | 0.06%  | 0.009%  |
| 47 | 6.706  | 1760 | 1762 | 1765 | rBV2 | 219    | 108    | 0.02%  | 0.003%  |
| 48 | 6.748  | 1769 | 1775 | 1778 | rBV  | 407    | 389    | 0.08%  | 0.012%  |
| 49 | 6.760  | 1778 | 1779 | 1782 | rVB  | 290    | 98     | 0.02%  | 0.003%  |
| 50 | 6.789  | 1785 | 1788 | 1794 | rBV  | 241    | 225    | 0.05%  | 0.007%  |
| 51 | 6.815  | 1794 | 1796 | 1797 | rBV  | 198    | 63     | 0.01%  | 0.002%  |
| 52 | 6.918  | 1816 | 1828 | 1854 | rBV2 | 40318  | 86844  | 18.60% | 2.779%  |
| 53 | 7.169  | 1904 | 1906 | 1907 | rBV2 | 365    | 96     | 0.02%  | 0.003%  |
| 54 | 7.243  | 1918 | 1929 | 1955 | rBV  | 152006 | 284300 | 60.90% | 9.096%  |
| 55 | 7.561  | 2017 | 2028 | 2048 | rBV2 | 25135  | 53861  | 11.54% | 1.723%  |
| 56 | 7.818  | 2105 | 2108 | 2112 | rVB2 | 462    | 345    | 0.07%  | 0.011%  |
| 57 | 7.841  | 2112 | 2115 | 2117 | rBV2 | 309    | 232    | 0.05%  | 0.007%  |
| 58 | 7.873  | 2117 | 2125 | 2139 | rVV3 | 5260   | 9644   | 2.07%  | 0.309%  |
| 59 | 7.928  | 2139 | 2142 | 2148 | rVB2 | 488    | 408    | 0.09%  | 0.013%  |
| 60 | 7.953  | 2148 | 2150 | 2151 | rBV2 | 159    | 52     | 0.01%  | 0.002%  |
| 61 | 8.037  | 2168 | 2176 | 2203 | rBV2 | 29651  | 72190  | 15.46% | 2.310%  |
| 62 | 8.465  | 2307 | 2309 | 2311 | rBV  | 353    | 136    | 0.03%  | 0.004%  |
| 63 | 8.555  | 2335 | 2337 | 2341 | rVB2 | 402    | 230    | 0.05%  | 0.007%  |
| 64 | 8.574  | 2341 | 2343 | 2345 | rBV  | 439    | 175    | 0.04%  | 0.006%  |
| 65 | 8.786  | 2398 | 2409 | 2430 | rBV  | 208858 | 361939 | 77.53% | 11.581% |
| 66 | 9.329  | 2574 | 2578 | 2581 | rBV2 | 447    | 390    | 0.08%  | 0.012%  |
| 67 | 9.362  | 2585 | 2588 | 2589 | rBV2 | 324    | 147    | 0.03%  | 0.005%  |
| 68 | 9.619  | 2664 | 2668 | 2670 | rBV  | 450    | 339    | 0.07%  | 0.011%  |
| 69 | 9.654  | 2676 | 2679 | 2680 | rBV  | 501    | 257    | 0.06%  | 0.008%  |
| 70 | 9.683  | 2684 | 2688 | 2690 | rBV3 | 299    | 213    | 0.05%  | 0.007%  |
| 71 | 9.744  | 2702 | 2707 | 2712 | rBV3 | 379    | 498    | 0.11%  | 0.016%  |
| 72 | 9.789  | 2718 | 2721 | 2723 | rBV2 | 355    | 249    | 0.05%  | 0.008%  |
| 73 | 9.863  | 2742 | 2744 | 2747 | rBV2 | 269    | 134    | 0.03%  | 0.004%  |
| 74 | 9.940  | 2767 | 2768 | 2773 | rVB  | 332    | 238    | 0.05%  | 0.008%  |
| 75 | 10.059 | 2800 | 2805 | 2807 | rBV  | 567    | 395    | 0.08%  | 0.013%  |
| 76 | 10.153 | 2823 | 2834 | 2855 | rBV  | 92061  | 151654 | 32.48% | 4.852%  |

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 MSVOA\_V  
 ClientSampleId :  
 C0T88RE

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

Min Area: 0 % 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\_V\Method\SFAMVLM053024SMA.M

Title : VOC Analysis

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 77 | 10.323 | 2879 | 2887 | 2901 | rVB3 | 7474   | 12867  | 2.76%  | 0.412% |
| 78 | 10.374 | 2901 | 2903 | 2908 | rBV3 | 555    | 444    | 0.10%  | 0.014% |
| 79 | 10.416 | 2914 | 2916 | 2917 | rBV  | 327    | 105    | 0.02%  | 0.003% |
| 80 | 10.551 | 2956 | 2958 | 2962 | rBV2 | 381    | 235    | 0.05%  | 0.008% |
|    |        |      |      |      |      |        |        |        |        |
| 81 | 10.712 | 3000 | 3008 | 3021 | rBV4 | 9403   | 15184  | 3.25%  | 0.486% |
| 82 | 11.185 | 3146 | 3155 | 3184 | rBV  | 107030 | 180282 | 38.62% | 5.768% |
| 83 | 11.503 | 3251 | 3254 | 3255 | rBV2 | 672    | 417    | 0.09%  | 0.013% |
| 84 | 11.561 | 3263 | 3272 | 3298 | rVB  | 73614  | 125782 | 26.94% | 4.025% |
| 85 | 12.008 | 3407 | 3411 | 3416 | rBV2 | 446    | 499    | 0.11%  | 0.016% |
|    |        |      |      |      |      |        |        |        |        |
| 86 | 12.030 | 3416 | 3418 | 3419 | rBV2 | 364    | 130    | 0.03%  | 0.004% |
| 87 | 12.387 | 3527 | 3529 | 3530 | rBV2 | 568    | 249    | 0.05%  | 0.008% |
| 88 | 13.683 | 3926 | 3932 | 3942 | rVB3 | 5676   | 8138   | 1.74%  | 0.260% |

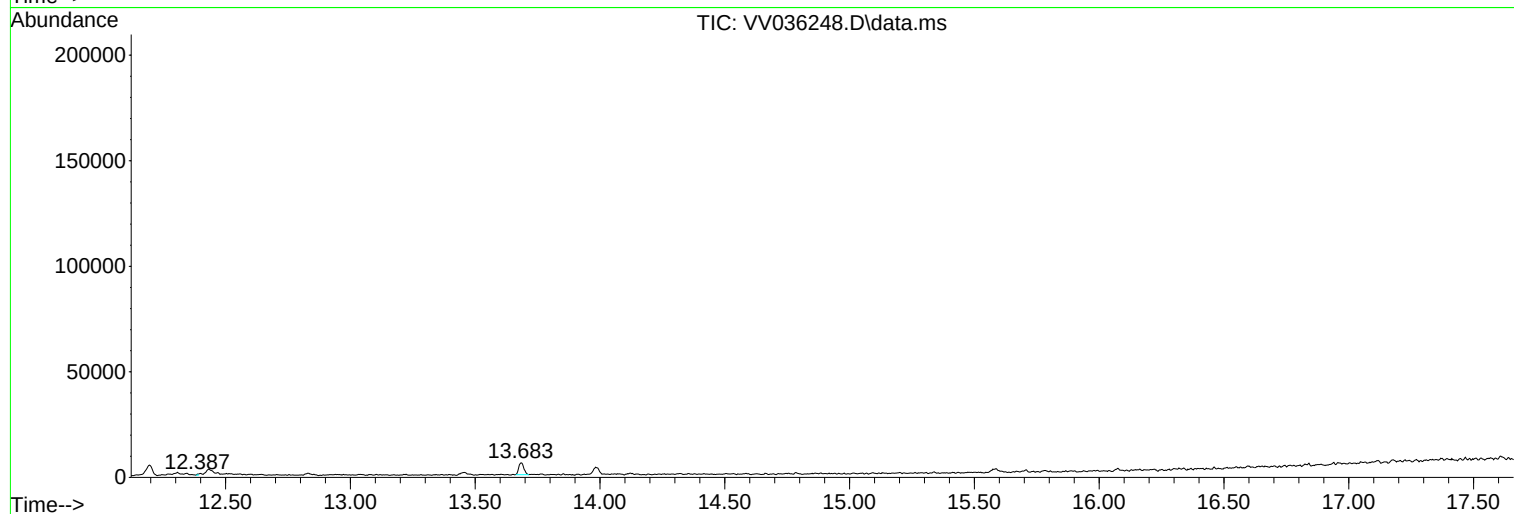
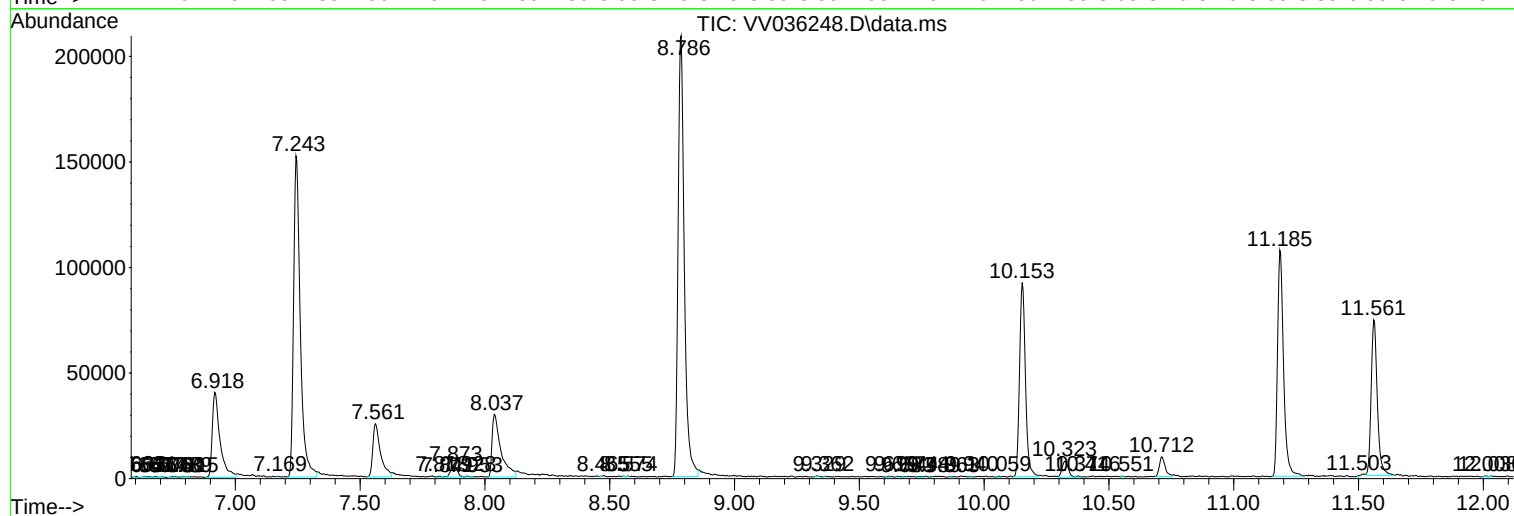
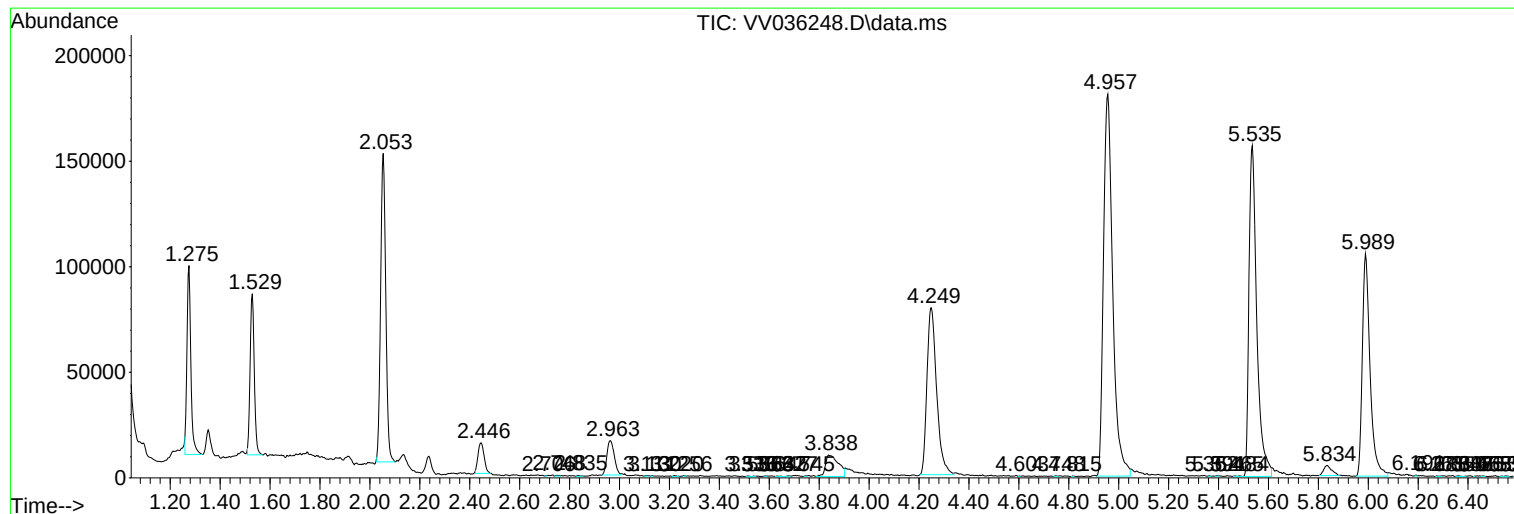
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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV062424\  
Data File : VV036248.D  
Acq On : 24 Jun 2024 16:01  
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Sample : P2987-04RE  
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ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
C0T88RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM053024SMA.M  
Quant Title : VOC Analysis

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV062424\  
Data File : VV036248.D  
Acq On : 24 Jun 2024 16:01  
Operator : SY/MD  
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ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
C0T88RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM053024SMA.M  
Quant Title : VOC Analysis

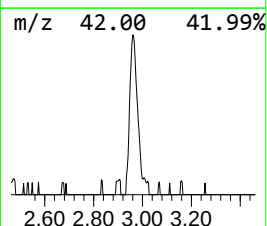
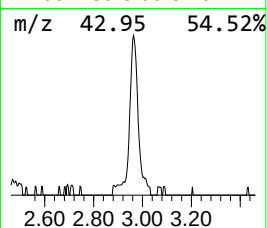
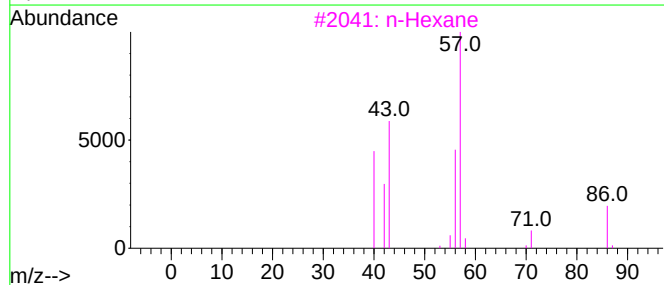
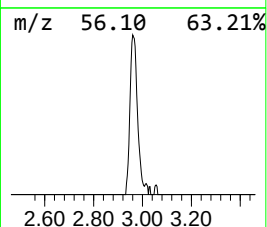
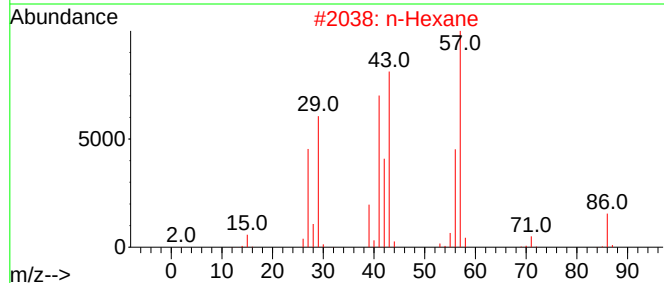
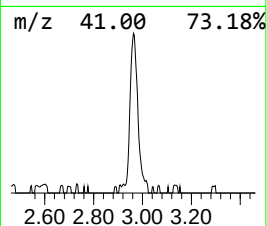
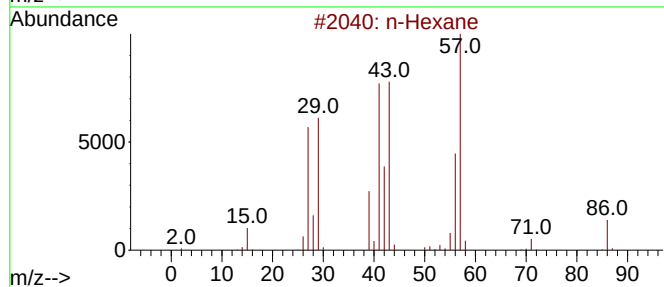
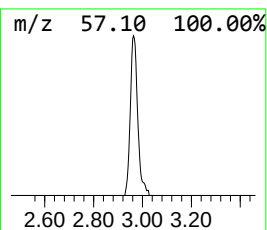
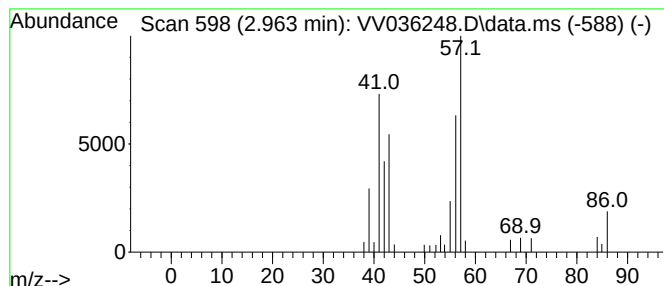
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 2.963 | 2.45 ug/L | 33405 | 1,4-Difluorobenzene | 5.535 |

| Hit# | of              | 5 | Tentative ID | MW | MolForm | CAS#         | Qual |
|------|-----------------|---|--------------|----|---------|--------------|------|
| 1    | n-Hexane        |   |              | 86 | C6H14   | 000110-54-3  | 80   |
| 2    | n-Hexane        |   |              | 86 | C6H14   | 000110-54-3  | 72   |
| 3    | n-Hexane        |   |              | 86 | C6H14   | 000110-54-3  | 53   |
| 4    | 2-Ethyl-oxetane |   |              | 86 | C5H10O  | 1010386-40-2 | 50   |
| 5    | n-Hexane        |   |              | 86 | C6H14   | 000110-54-3  | 45   |



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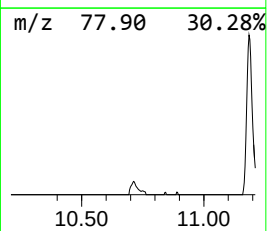
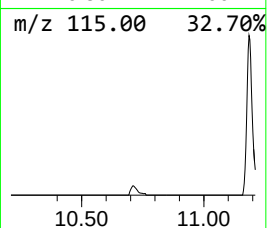
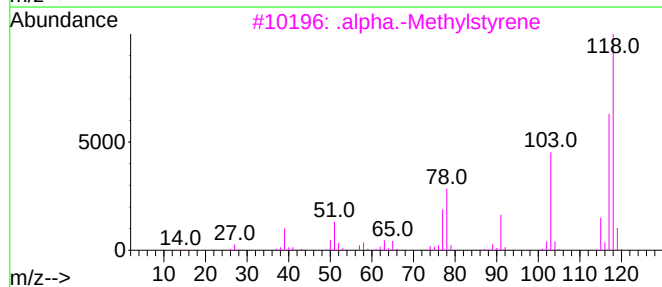
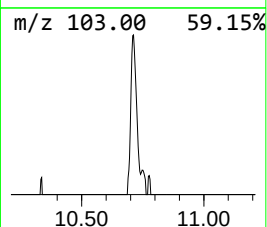
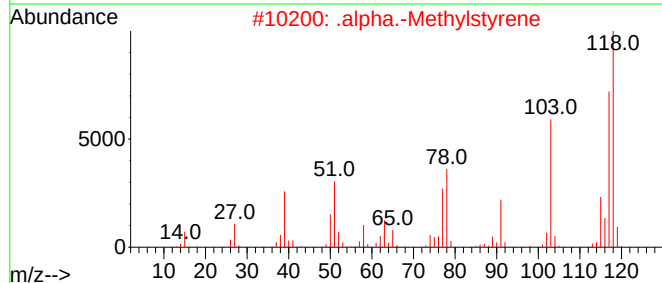
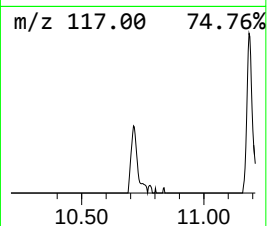
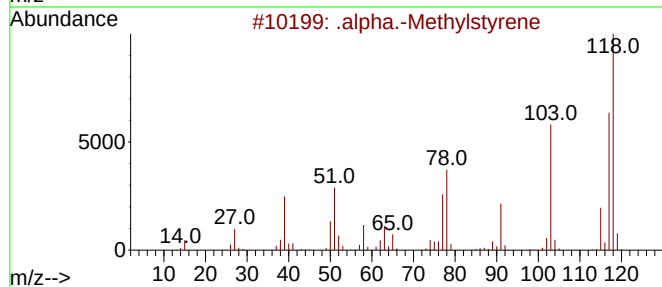
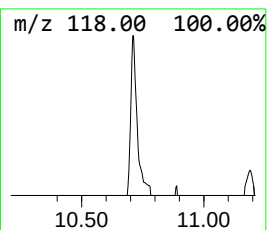
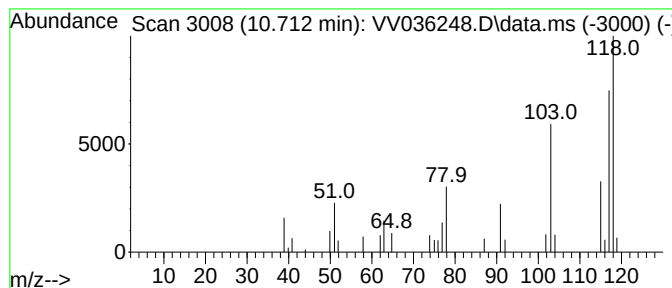
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM053024SMA.M  
Quant Title : VOC Analysis

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

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Peak Number 5 .alpha.-Methylstyrene Concentration Rank 3

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 10.712 | 2.11 ug/L | 15184 | 1,4-Dichlorobenzene-d4 | 11.185 |

| Hit# | of                                  | 5                    | Tentative ID | MW          | MolForm     | CAS# | Qual |
|------|-------------------------------------|----------------------|--------------|-------------|-------------|------|------|
| 1    | .                                   | alpha.-Methylstyrene | 118          | C9H10       | 000098-83-9 | 93   |      |
| 2    | .                                   | alpha.-Methylstyrene | 118          | C9H10       | 000098-83-9 | 90   |      |
| 3    | .                                   | alpha.-Methylstyrene | 118          | C9H10       | 000098-83-9 | 87   |      |
| 4    | .                                   | alpha.-Methylstyrene | 118          | C9H10       | 000098-83-9 | 87   |      |
| 5    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 118                  | C9H10        | 022250-74-4 | 62          |      |      |



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ClientSampleId :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM053024SMA.M  
Quant Title : VOC Analysis

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

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |        |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|--------|------|
|                    |        |         |       |          | #                     | RT     | Resp   | Conc |
| (DEL) Alkane: S... | 2.963  | 2.5     | ug/L  | 33405    | 1                     | 5.535  | 340964 | 25.0 |
| .alpha.-Methyls... | 10.712 | 2.1     | ug/L  | 15184    | 3                     | 11.185 | 180282 | 25.0 |