

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV052224\  
 Data File : VV035677.D  
 Acq On : 22 May 2024 15:51  
 Operator : SY/MD  
 Sample : P2547-08  
 Misc : 5.56g/10.0mL/MSVOA\_V/SOIL/B  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BH5Q1

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\SFAMVLM050624SMA.M  
 Title : VOC Analysis

Signal : TIC: VV035677.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         | 1.272       | 66            | 72          | 89           | rVB      | 156851         | 177425        | 13.97%          | 1.831%        |
| 2         | 1.529       | 145           | 152         | 166          | rVB      | 145964         | 175515        | 13.82%          | 1.811%        |
| 3         | 2.053       | 305           | 315         | 331          | rBV      | 281298         | 402044        | 31.66%          | 4.149%        |
| 4         | 2.442       | 426           | 436         | 454          | rVB      | 53120          | 93498         | 7.36%           | 0.965%        |
| 5         | 2.555       | 461           | 471         | 485          | rVB      | 21699          | 42528         | 3.35%           | 0.439%        |
| 6         | 2.963       | 585           | 598         | 613          | rBV2     | 11469          | 23478         | 1.85%           | 0.242%        |
| 7         | 3.500       | 760           | 765         | 769          | rBV3     | 747            | 824           | 0.06%           | 0.009%        |
| 8         | 3.661       | 812           | 815         | 819          | rVB3     | 597            | 391           | 0.03%           | 0.004%        |
| 9         | 3.709       | 826           | 830         | 834          | rVB2     | 505            | 407           | 0.03%           | 0.004%        |
| 10        | 3.844       | 853           | 872         | 932          | rBV3     | 60906          | 352828        | 27.78%          | 3.641%        |
| 11        | 4.246       | 982           | 997         | 1031         | rBV      | 226120         | 597438        | 47.04%          | 6.166%        |
| 12        | 4.616       | 1108          | 1112        | 1116         | rBV4     | 732            | 557           | 0.04%           | 0.006%        |
| 13        | 4.953       | 1202          | 1217        | 1254         | rBV2     | 482743         | 1270004       | 100.00%         | 13.107%       |
| 14        | 5.532       | 1386          | 1397        | 1427         | rBV      | 456559         | 958041        | 75.44%          | 9.887%        |
| 15        | 5.828       | 1479          | 1489        | 1521         | rVB2     | 31747          | 82143         | 6.47%           | 0.848%        |
| 16        | 5.989       | 1525          | 1539        | 1572         | rBV      | 304828         | 646446        | 50.90%          | 6.672%        |
| 17        | 6.317       | 1639          | 1641        | 1644         | rVB2     | 710            | 421           | 0.03%           | 0.004%        |
| 18        | 6.516       | 1699          | 1703        | 1705         | rBV      | 515            | 508           | 0.04%           | 0.005%        |
| 19        | 6.577       | 1720          | 1722        | 1726         | rVV4     | 713            | 685           | 0.05%           | 0.007%        |
| 20        | 6.751       | 1773          | 1776        | 1780         | rVB3     | 779            | 659           | 0.05%           | 0.007%        |
| 21        | 6.915       | 1814          | 1827        | 1851         | rBV      | 114582         | 230050        | 18.11%          | 2.374%        |
| 22        | 7.098       | 1881          | 1884        | 1890         | rBV4     | 466            | 611           | 0.05%           | 0.006%        |
| 23        | 7.243       | 1919          | 1929        | 1965         | rBV      | 453432         | 817620        | 64.38%          | 8.438%        |
| 24        | 7.503       | 2006          | 2010        | 2012         | rBV2     | 847            | 687           | 0.05%           | 0.007%        |
| 25        | 7.558       | 2017          | 2027        | 2057         | rVV      | 72859          | 147621        | 11.62%          | 1.524%        |
| 26        | 7.722       | 2075          | 2078        | 2081         | rBV4     | 436            | 410           | 0.03%           | 0.004%        |
| 27        | 7.873       | 2112          | 2125        | 2136         | rBV2     | 12607          | 24575         | 1.94%           | 0.254%        |
| 28        | 8.034       | 2164          | 2175        | 2226         | rBV2     | 122863         | 333077        | 26.23%          | 3.438%        |
| 29        | 8.291       | 2253          | 2255        | 2257         | rBV3     | 732            | 332           | 0.03%           | 0.003%        |
| 30        | 8.362       | 2270          | 2277        | 2290         | rVB3     | 15382          | 25786         | 2.03%           | 0.266%        |
| 31        | 8.526       | 2325          | 2328        | 2332         | rVB3     | 600            | 442           | 0.03%           | 0.005%        |
| 32        | 8.596       | 2346          | 2350        | 2353         | rBV4     | 985            | 901           | 0.07%           | 0.009%        |
| 33        | 8.686       | 2375          | 2378        | 2380         | rBV2     | 630            | 401           | 0.03%           | 0.004%        |
| 34        | 8.712       | 2383          | 2386        | 2388         | rBV2     | 775            | 542           | 0.04%           | 0.006%        |
| 35        | 8.783       | 2395          | 2408        | 2440         | rBV      | 642322         | 1091583       | 85.95%          | 11.266%       |
| 36        | 9.014       | 2477          | 2480        | 2482         | rBV3     | 586            | 355           | 0.03%           | 0.004%        |

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Integrator: RTE

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If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM050624SMA.M  
 Title : VOC Analysis

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 37 | 9.188  | 2531 | 2534 | 2537 | rVV3 | 432    | 337    | 0.03%  | 0.003% |
| 38 | 9.230  | 2544 | 2547 | 2550 | rVB3 | 876    | 557    | 0.04%  | 0.006% |
| 39 | 9.249  | 2550 | 2553 | 2556 | rBV2 | 559    | 406    | 0.03%  | 0.004% |
| 40 | 9.368  | 2582 | 2590 | 2592 | rBV5 | 606    | 647    | 0.05%  | 0.007% |
| 41 | 9.420  | 2604 | 2606 | 2610 | rBV3 | 449    | 378    | 0.03%  | 0.004% |
| 42 | 9.448  | 2610 | 2615 | 2618 | rBV5 | 417    | 431    | 0.03%  | 0.004% |
| 43 | 9.600  | 2658 | 2662 | 2663 | rBV2 | 442    | 322    | 0.03%  | 0.003% |
| 44 | 9.616  | 2663 | 2667 | 2672 | rVB5 | 780    | 792    | 0.06%  | 0.008% |
| 45 | 9.645  | 2673 | 2676 | 2679 | rVB2 | 540    | 387    | 0.03%  | 0.004% |
| 46 | 9.661  | 2679 | 2681 | 2683 | rBV2 | 539    | 336    | 0.03%  | 0.003% |
| 47 | 9.834  | 2731 | 2735 | 2742 | rBV6 | 1325   | 1461   | 0.12%  | 0.015% |
| 48 | 9.879  | 2742 | 2749 | 2754 | rBV4 | 908    | 1004   | 0.08%  | 0.010% |
| 49 | 9.985  | 2779 | 2782 | 2785 | rBV2 | 516    | 371    | 0.03%  | 0.004% |
| 50 | 10.002 | 2785 | 2787 | 2791 | rVB2 | 618    | 370    | 0.03%  | 0.004% |
| 51 | 10.021 | 2791 | 2793 | 2796 | rBV2 | 560    | 370    | 0.03%  | 0.004% |
| 52 | 10.063 | 2796 | 2806 | 2816 | rBV3 | 10014  | 16062  | 1.26%  | 0.166% |
| 53 | 10.153 | 2821 | 2834 | 2853 | rBV  | 305408 | 491509 | 38.70% | 5.073% |
| 54 | 10.323 | 2878 | 2887 | 2901 | rVB  | 33854  | 58427  | 4.60%  | 0.603% |
| 55 | 10.413 | 2912 | 2915 | 2920 | rVB4 | 633    | 404    | 0.03%  | 0.004% |
| 56 | 10.481 | 2929 | 2936 | 2937 | rBV3 | 451    | 419    | 0.03%  | 0.004% |
| 57 | 10.513 | 2939 | 2946 | 2953 | rBV7 | 3703   | 6671   | 0.53%  | 0.069% |
| 58 | 10.596 | 2967 | 2972 | 2974 | rBV4 | 570    | 505    | 0.04%  | 0.005% |
| 59 | 10.651 | 2986 | 2989 | 2991 | rBV3 | 492    | 371    | 0.03%  | 0.004% |
| 60 | 10.715 | 3005 | 3009 | 3012 | rBV4 | 1560   | 1240   | 0.10%  | 0.013% |
| 61 | 10.818 | 3037 | 3041 | 3043 | rBV3 | 508    | 452    | 0.04%  | 0.005% |
| 62 | 10.854 | 3043 | 3052 | 3067 | rVB2 | 15589  | 24874  | 1.96%  | 0.257% |
| 63 | 10.969 | 3080 | 3088 | 3100 | rBV3 | 6250   | 10427  | 0.82%  | 0.108% |
| 64 | 11.082 | 3112 | 3123 | 3132 | rBV2 | 33432  | 52818  | 4.16%  | 0.545% |
| 65 | 11.185 | 3145 | 3155 | 3172 | rBV  | 446015 | 722664 | 56.90% | 7.458% |
| 66 | 11.326 | 3190 | 3199 | 3205 | rBV2 | 22280  | 34487  | 2.72%  | 0.356% |
| 67 | 11.474 | 3241 | 3245 | 3247 | rBV3 | 1332   | 1119   | 0.09%  | 0.012% |
| 68 | 11.561 | 3261 | 3272 | 3296 | rBV  | 372440 | 608403 | 47.91% | 6.279% |
| 69 | 11.783 | 3333 | 3341 | 3354 | rVB7 | 4858   | 9500   | 0.75%  | 0.098% |
| 70 | 11.899 | 3375 | 3377 | 3379 | rBV3 | 822    | 545    | 0.04%  | 0.006% |
| 71 | 11.998 | 3404 | 3408 | 3409 | rBV4 | 539    | 364    | 0.03%  | 0.004% |
| 72 | 12.021 | 3413 | 3415 | 3425 | rVB7 | 1527   | 2123   | 0.17%  | 0.022% |
| 73 | 12.133 | 3447 | 3450 | 3455 | rVB3 | 810    | 634    | 0.05%  | 0.007% |
| 74 | 12.194 | 3459 | 3469 | 3481 | rVV  | 24163  | 38204  | 3.01%  | 0.394% |
| 75 | 12.349 | 3512 | 3517 | 3519 | rBV4 | 820    | 713    | 0.06%  | 0.007% |
| 76 | 12.493 | 3559 | 3562 | 3568 | rBV5 | 1024   | 868    | 0.07%  | 0.009% |

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Integrator: RTE

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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\SFAMVLM050624SMA.M  
 Title : VOC Analysis

|     |        |      |      |      |      |       |       |       |        |
|-----|--------|------|------|------|------|-------|-------|-------|--------|
| 77  | 12.535 | 3569 | 3575 | 3582 | rVB6 | 1119  | 1390  | 0.11% | 0.014% |
| 78  | 12.580 | 3586 | 3589 | 3592 | rBV3 | 730   | 535   | 0.04% | 0.006% |
| 79  | 12.735 | 3633 | 3637 | 3640 | rBV3 | 503   | 352   | 0.03% | 0.004% |
| 80  | 12.786 | 3651 | 3653 | 3655 | rBV3 | 661   | 438   | 0.03% | 0.005% |
| 81  | 12.828 | 3659 | 3666 | 3675 | rVB4 | 5872  | 8217  | 0.65% | 0.085% |
| 82  | 13.053 | 3730 | 3736 | 3737 | rBV2 | 641   | 577   | 0.05% | 0.006% |
| 83  | 13.072 | 3738 | 3742 | 3746 | rBV3 | 1063  | 914   | 0.07% | 0.009% |
| 84  | 13.159 | 3764 | 3769 | 3771 | rBV2 | 402   | 327   | 0.03% | 0.003% |
| 85  | 13.214 | 3782 | 3786 | 3789 | rBV2 | 785   | 709   | 0.06% | 0.007% |
| 86  | 13.320 | 3816 | 3819 | 3820 | rBV2 | 670   | 325   | 0.03% | 0.003% |
| 87  | 13.400 | 3840 | 3844 | 3846 | rVB3 | 605   | 347   | 0.03% | 0.004% |
| 88  | 13.448 | 3854 | 3859 | 3863 | rBV4 | 976   | 1171  | 0.09% | 0.012% |
| 89  | 13.542 | 3883 | 3888 | 3890 | rBV3 | 802   | 730   | 0.06% | 0.008% |
| 90  | 13.683 | 3922 | 3932 | 3947 | rVB2 | 40716 | 60694 | 4.78% | 0.626% |
| 91  | 13.815 | 3968 | 3973 | 3975 | rBV4 | 563   | 502   | 0.04% | 0.005% |
| 92  | 13.911 | 4001 | 4003 | 4006 | rBV2 | 659   | 326   | 0.03% | 0.003% |
| 93  | 13.988 | 4016 | 4027 | 4036 | rBV2 | 3704  | 7435  | 0.59% | 0.077% |
| 94  | 14.091 | 4051 | 4059 | 4063 | rBV6 | 2146  | 2971  | 0.23% | 0.031% |
| 95  | 14.162 | 4078 | 4081 | 4090 | rVB4 | 1857  | 2108  | 0.17% | 0.022% |
| 96  | 14.217 | 4090 | 4098 | 4099 | rBV5 | 1196  | 1319  | 0.10% | 0.014% |
| 97  | 14.365 | 4136 | 4144 | 4145 | rBV4 | 814   | 936   | 0.07% | 0.010% |
| 98  | 14.410 | 4156 | 4158 | 4162 | rBV2 | 515   | 355   | 0.03% | 0.004% |
| 99  | 14.760 | 4264 | 4267 | 4269 | rBV3 | 652   | 493   | 0.04% | 0.005% |
| 100 | 14.786 | 4270 | 4275 | 4282 | rVB7 | 2686  | 3516  | 0.28% | 0.036% |

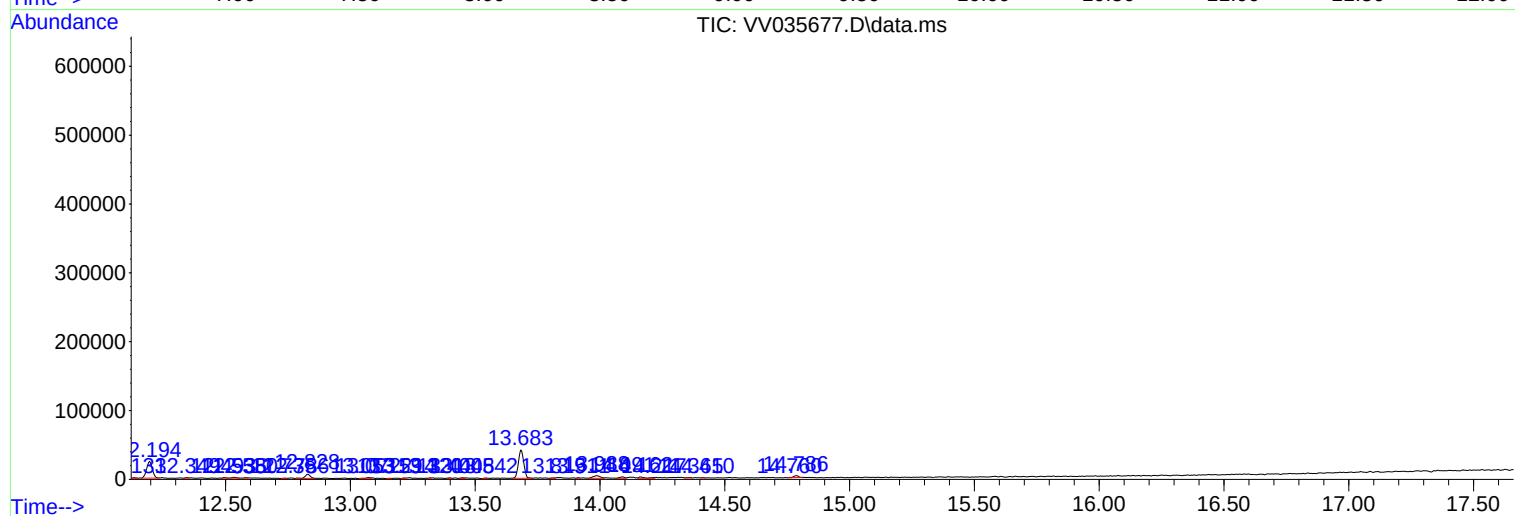
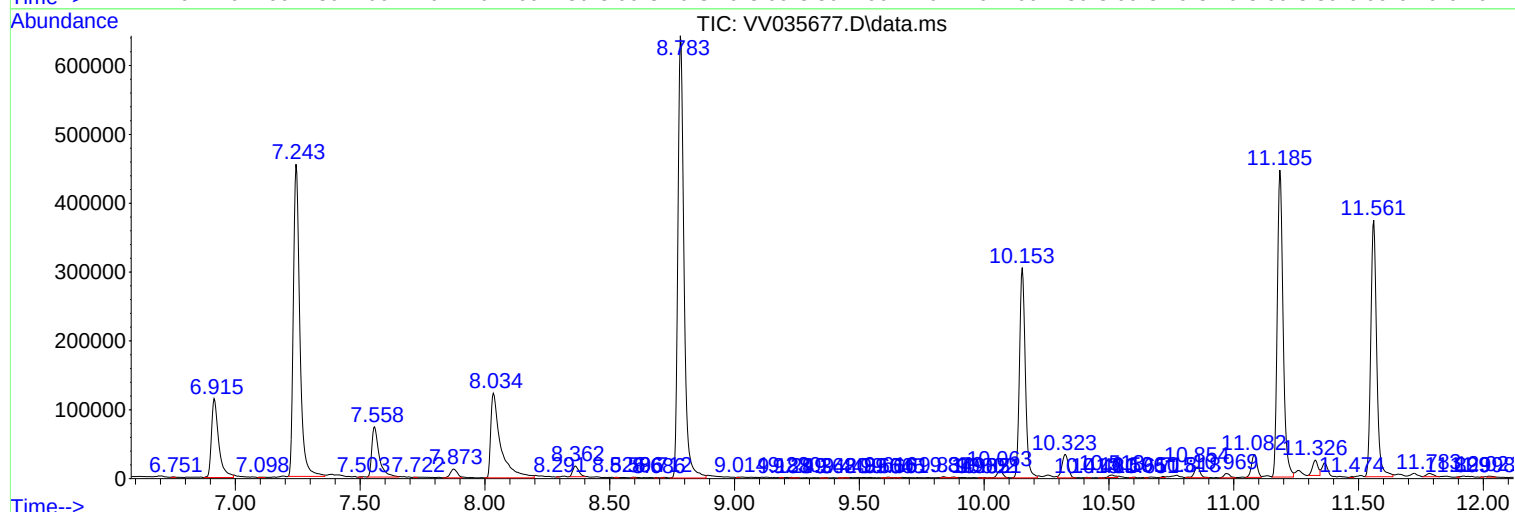
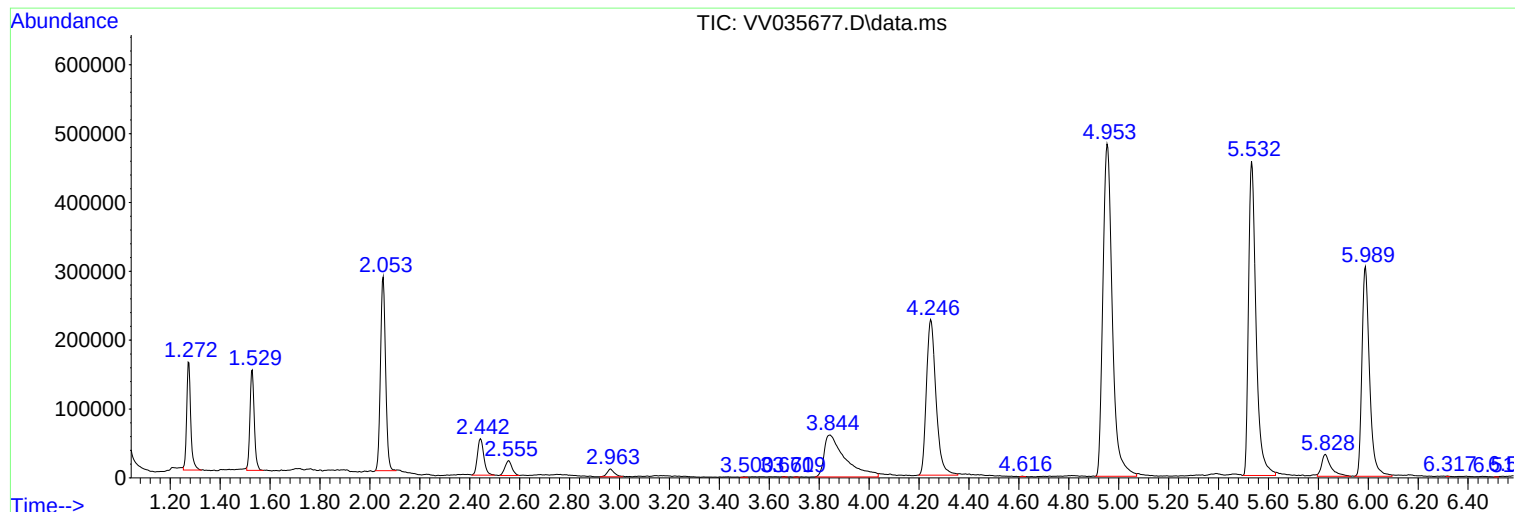
Sum of corrected areas: 9689492

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM050624SMA.M  
Quant Title : VOC Analysis

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



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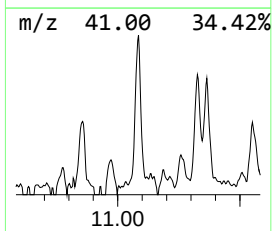
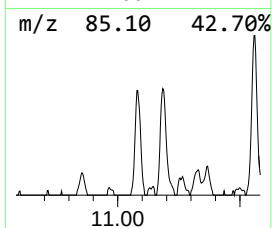
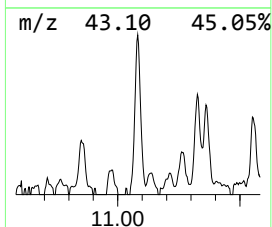
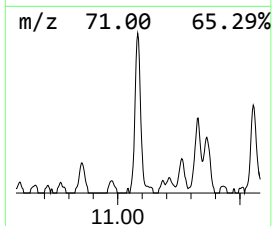
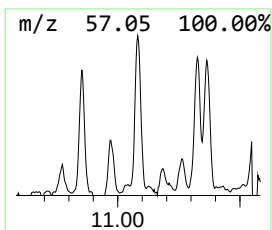
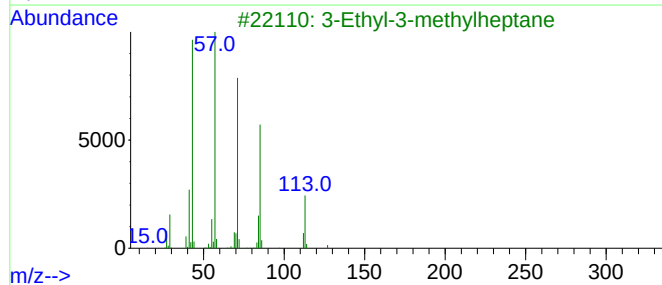
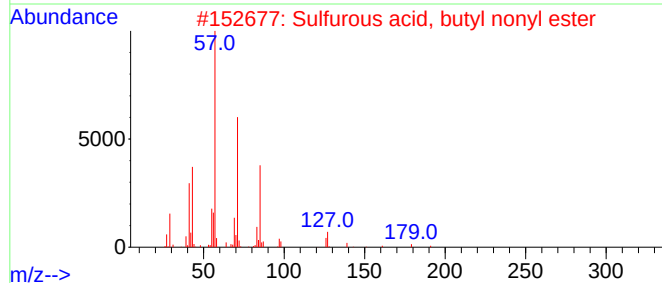
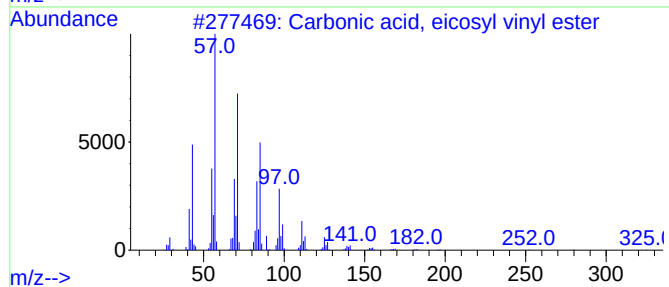
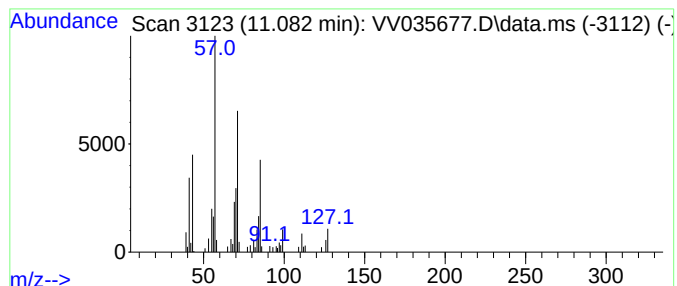
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Carbonic acid, eicosyl vinyl... Concentration Rank 5

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 11.082 | 1.83 ug/L | 52818 | 1,4-Dichlorobenzene-d4 | 11.185 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Carbonic acid, eicosyl vinyl ester  | 368 | C23H44O3  | 1000382-54-3 | 64   |
| 2    |    |   | Sulfurous acid, butyl nonyl ester   | 264 | C13H28O3S | 1000309-17-6 | 64   |
| 3    |    |   | 3-Ethyl-3-methylheptane             | 142 | C10H22    | 017302-01-1  | 53   |
| 4    |    |   | Sulfurous acid, hexyl octyl ester   | 278 | C14H30O3S | 1000309-13-0 | 53   |
| 5    |    |   | Sulfurous acid, 2-ethylhexyl hex... | 278 | C14H30O3S | 1000309-20-2 | 50   |



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Quant Title : VOC Analysis

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TIC Integration Parameters: LSCINT.P

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |        |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|--------|------|
|                    |        |         |       |          | #                     | RT     | Resp   | Conc |
| Carbonic acid, ... | 11.082 | 1.8     | ug/L  | 52818    | 3                     | 11.185 | 722664 | 25.0 |