

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV011420\  
 Data File : VV014291.D  
 Acq On : 14 Jan 2020 12:05  
 Operator : SY/MD  
 Sample : L1109-24  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 GASJ3

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.1

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR010220WMA.M

Title : TRACE VOA SOM01.0

Signal : TIC

| 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         | 1.225       | 37            | 42          | 46           | rBV2     | 139067         | 127819        | 1.42%           | 0.111%        |
| 2         | 1.258       | 46            | 52          | 61           | rVB      | 425664         | 442850        | 4.93%           | 0.386%        |
| 3         | 1.319       | 62            | 71          | 87           | rVB      | 489861         | 542680        | 6.04%           | 0.473%        |
| 4         | 1.537       | 132           | 139         | 146          | rBV      | 361021         | 401843        | 4.47%           | 0.350%        |
| 5         | 1.582       | 147           | 153         | 163          | rVB      | 340454         | 390435        | 4.34%           | 0.340%        |
| 6         | 1.769       | 202           | 211         | 222          | rVB      | 1064915        | 1375953       | 15.30%          | 1.198%        |
| 7         | 2.132       | 313           | 324         | 337          | rBV3     | 970562         | 1624544       | 18.07%          | 1.415%        |
| 8         | 2.232       | 341           | 355         | 372          | rVV2     | 174687         | 742105        | 8.25%           | 0.646%        |
| 9         | 2.315       | 373           | 381         | 402          | rVB      | 963131         | 1491767       | 16.59%          | 1.299%        |
| 10        | 2.534       | 438           | 449         | 466          | rBV      | 389341         | 662414        | 7.37%           | 0.577%        |
| 11        | 2.804       | 516           | 533         | 561          | rBV      | 1211295        | 2619697       | 29.13%          | 2.281%        |
| 12        | 3.225       | 648           | 664         | 681          | rBV      | 1056687        | 2213715       | 24.62%          | 1.928%        |
| 13        | 3.965       | 879           | 894         | 901          | rBV      | 249942         | 699774        | 7.78%           | 0.609%        |
| 14        | 4.039       | 905           | 917         | 988          | rVB      | 714742         | 3435279       | 38.21%          | 2.991%        |
| 15        | 4.396       | 1012          | 1028        | 1050         | rBV      | 565204         | 1371555       | 15.25%          | 1.194%        |
| 16        | 4.653       | 1085          | 1108        | 1117         | rBV      | 1101991        | 2669883       | 29.69%          | 2.325%        |
| 17        | 4.720       | 1118          | 1129        | 1151         | rVB      | 2346582        | 5665873       | 63.01%          | 4.934%        |
| 18        | 5.090       | 1229          | 1244        | 1260         | rBV2     | 1374236        | 3293406       | 36.63%          | 2.868%        |
| 19        | 5.177       | 1260          | 1271        | 1293         | rVB      | 530168         | 1175020       | 13.07%          | 1.023%        |
| 20        | 5.659       | 1404          | 1421        | 1443         | rBV      | 1205428        | 2382567       | 26.50%          | 2.075%        |
| 21        | 5.955       | 1495          | 1513        | 1533         | rBV      | 994847         | 1920171       | 21.36%          | 1.672%        |
| 22        | 6.113       | 1547          | 1562        | 1570         | rBV      | 779048         | 1548131       | 17.22%          | 1.348%        |
| 23        | 6.171       | 1570          | 1580        | 1590         | rVV      | 1642590        | 3059008       | 34.02%          | 2.664%        |
| 24        | 7.026       | 1831          | 1846        | 1866         | rBV      | 447260         | 819272        | 9.11%           | 0.713%        |
| 25        | 7.354       | 1934          | 1948        | 1960         | rBV      | 1760647        | 2993444       | 33.29%          | 2.607%        |
| 26        | 7.425       | 1960          | 1970        | 1989         | rVB      | 3361983        | 5729617       | 63.72%          | 4.989%        |
| 27        | 7.659       | 2032          | 2043        | 2059         | rBV      | 270111         | 466541        | 5.19%           | 0.406%        |
| 28        | 8.013       | 2133          | 2153        | 2168         | rBV      | 1972255        | 3267183       | 36.34%          | 2.845%        |
| 29        | 8.132       | 2177          | 2190        | 2198         | rBV      | 1678861        | 3037628       | 33.78%          | 2.645%        |
| 30        | 8.180       | 2198          | 2205        | 2238         | rVB      | 2466960        | 4484326       | 49.87%          | 3.905%        |
| 31        | 8.389       | 2259          | 2270        | 2287         | rBV      | 918045         | 1535260       | 17.07%          | 1.337%        |
| 32        | 8.894       | 2413          | 2427        | 2428         | rBV      | 1888015        | 2376992       | 26.44%          | 2.070%        |
| 33        | 8.920       | 2429          | 2435        | 2451         | rVV      | 3634691        | 5877613       | 65.37%          | 5.118%        |
| 34        | 9.013       | 2452          | 2464        | 2469         | rVV      | 1137929        | 1881043       | 20.92%          | 1.638%        |

## LSC Area Percent Report

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Misc : 25.0mL/MSVOA V/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
GASJ3

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\_V\METHOD\SOMVTR010220WMA.M  
Title : TRACE VOA SOM01.0

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 35 | 9.048  | 2469 | 2475 | 2493 | rVB  | 2955902 | 4553821 | 50.65%  | 3.965% |
| 36 | 9.180  | 2503 | 2516 | 2537 | rBV  | 5818761 | 8991588 | 100.00% | 7.829% |
| 37 | 9.588  | 2628 | 2643 | 2661 | rBV4 | 3234485 | 7030116 | 78.19%  | 6.121% |
| 38 | 9.768  | 2686 | 2699 | 2715 | rBV  | 310179  | 516580  | 5.75%   | 0.450% |
| 39 | 9.968  | 2749 | 2761 | 2776 | rBV  | 1643646 | 2523184 | 28.06%  | 2.197% |
| 40 | 10.254 | 2837 | 2850 | 2865 | rBV  | 507470  | 802228  | 8.92%   | 0.699% |
| 41 | 11.289 | 3159 | 3172 | 3176 | rBV  | 1937421 | 3060541 | 34.04%  | 2.665% |
| 42 | 11.682 | 3275 | 3294 | 3312 | rBV2 | 3931983 | 7940123 | 88.31%  | 6.914% |
| 43 | 12.469 | 3528 | 3539 | 3550 | rBV  | 132383  | 206903  | 2.30%   | 0.180% |
| 44 | 12.688 | 3591 | 3607 | 3620 | rBV  | 1802381 | 2743686 | 30.51%  | 2.389% |
| 45 | 13.784 | 3935 | 3948 | 3971 | rBV  | 2648076 | 4149278 | 46.15%  | 3.613% |

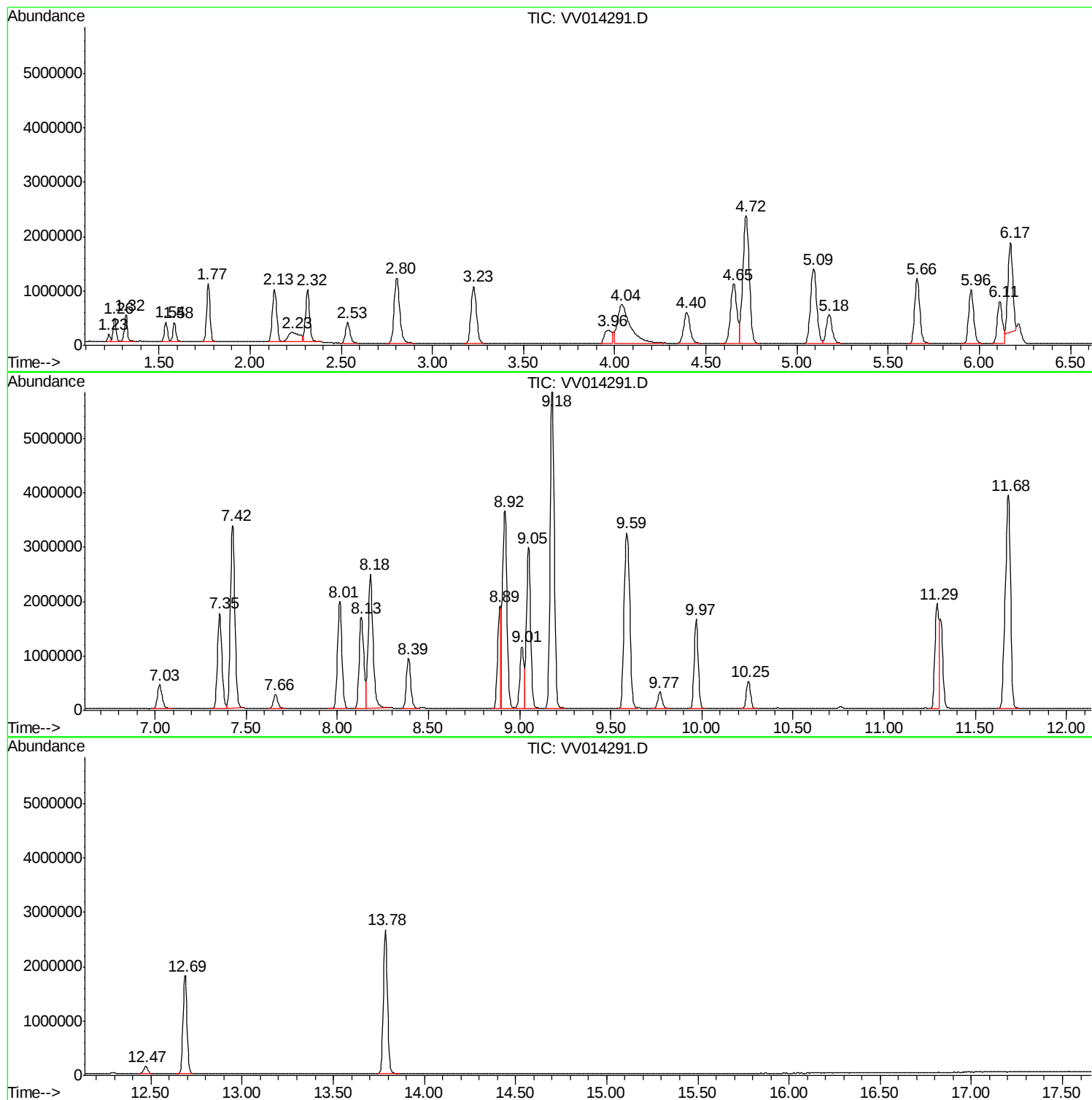
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV011420\  
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Instrument :  
MSVOA\_V  
ClientSampleId :  
GASJ3

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR010220WMA.M  
Quant Title : TRACE VOA SOM01.0

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV011420\  
Data File : VV014291.D  
Acq On : 14 Jan 2020 12:05  
Operator : SY/MD  
Sample : L1109-24  
Misc : 25.0mL/MSVOA V/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
GASJ3

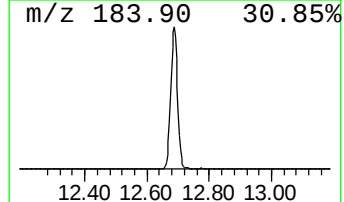
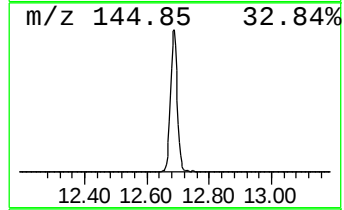
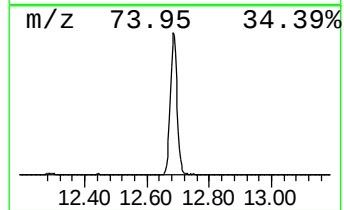
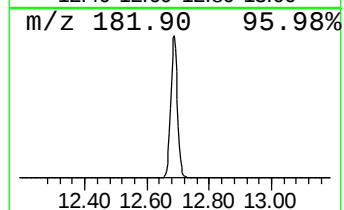
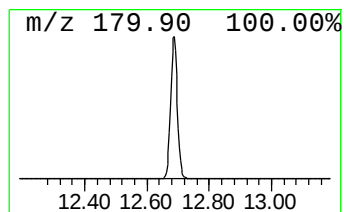
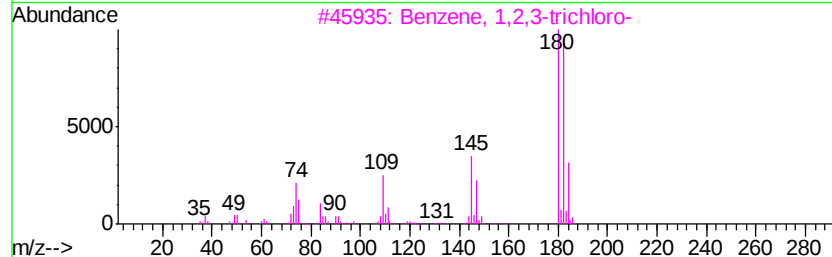
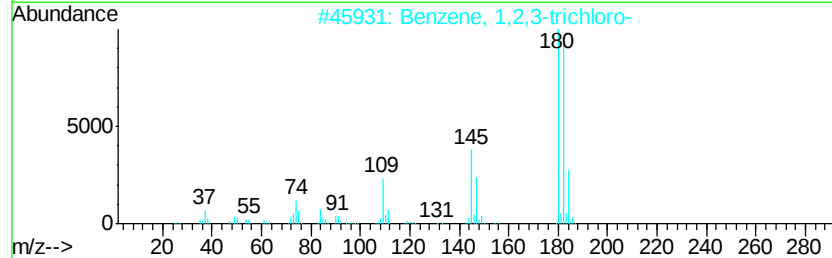
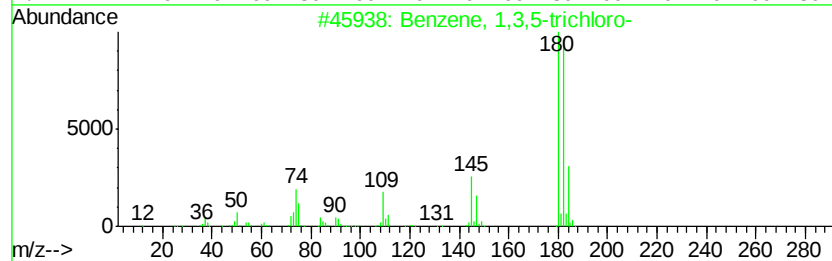
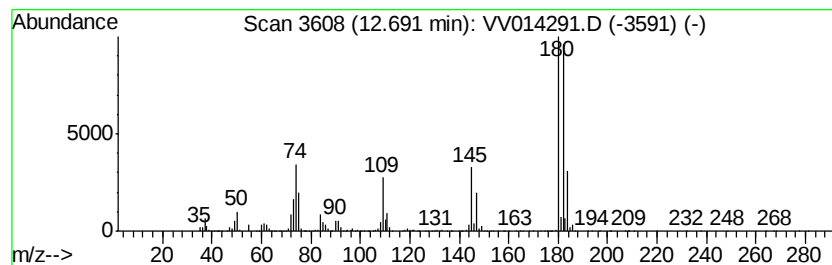
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR010220WMA.M  
Quant Title : TRACE VOA SOM01.0

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

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Peak Number 2 Benzene, 1,3,5-trichloro- Concentration Rank 1

| R.T.  | EstConc   | Area    | Relative to ISTD       | R.T.  |
|-------|-----------|---------|------------------------|-------|
| 12.69 | 4.48 ug/L | 2743690 | 1,4-Dichlorobenzene-d4 | 11.29 |

| Hit# | of | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1,3,5-trichloro- | 180 | C6H3Cl3 | 000108-70-3 | 98   |
| 2    |    | Benzene, 1,2,3-trichloro- | 180 | C6H3Cl3 | 000087-61-6 | 98   |
| 3    |    | Benzene, 1,2,3-trichloro- | 180 | C6H3Cl3 | 000087-61-6 | 98   |
| 4    |    | Benzene, 1,2,4-trichloro- | 180 | C6H3Cl3 | 000120-82-1 | 98   |
| 5    |    | Benzene, 1,3,5-trichloro- | 180 | C6H3Cl3 | 000108-70-3 | 97   |



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Instrument :  
MSVOA\_V  
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GASJ3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR010220WMA.M  
Quant Title : TRACE VOA SOM01.0

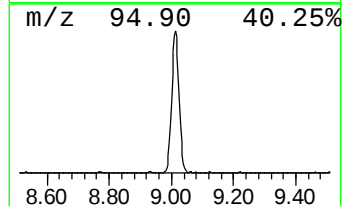
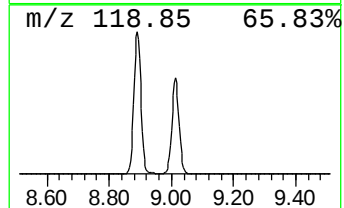
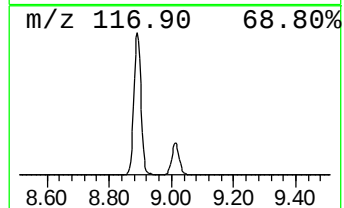
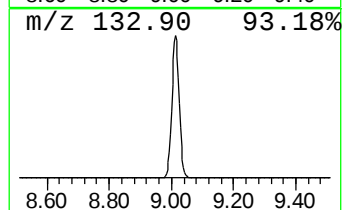
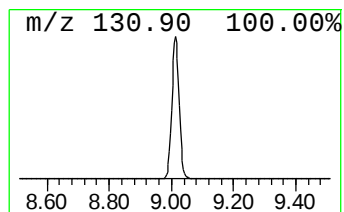
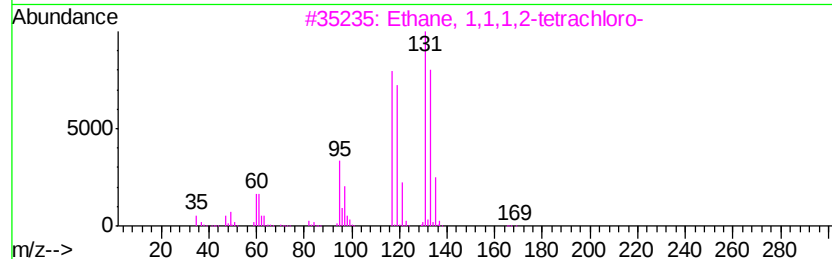
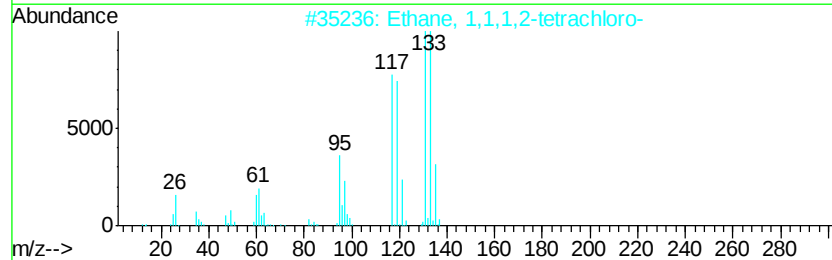
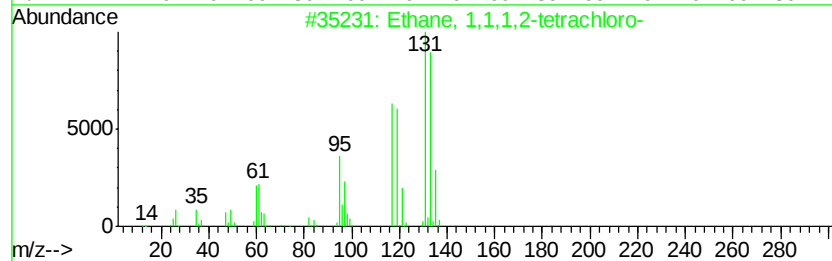
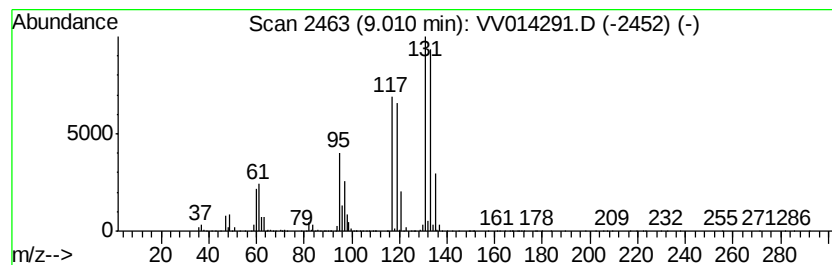
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Ethane, 1,1,1,2-tetrachloro- Concentration Rank 3

| R.T. | EstConc   | Area    | Relative to ISTD | R.T. |
|------|-----------|---------|------------------|------|
| 9.01 | 3.96 ug/L | 1881040 | Chlorobenzene-d5 | 8.89 |

| Hit# | of | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------------|-----|---------|-------------|------|
| 1    | 5  | Ethane, 1,1,1,2-tetrachloro- | 166 | C2H2Cl4 | 000630-20-6 | 91   |
| 2    |    | Ethane, 1,1,1,2-tetrachloro- | 166 | C2H2Cl4 | 000630-20-6 | 91   |
| 3    |    | Ethane, 1,1,1,2-tetrachloro- | 166 | C2H2Cl4 | 000630-20-6 | 91   |
| 4    |    | Ethane, 1,1,1,2-tetrachloro- | 166 | C2H2Cl4 | 000630-20-6 | 64   |
| 5    |    | Carbon Tetrachloride         | 152 | CCl4    | 000056-23-5 | 10   |



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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR010220WMA.M  
Quant Title : TRACE VOA SOM01.0

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| Benzene, 1,3,5-tr... | 12.69 | 4.5     | ug/L  | 2743690  | 3                     | 11.29 | 3060540 | 5.0  |
| Ethane, 1,1,1,2-t... | 9.01  | 4.0     | ug/L  | 1881040  | 2                     | 8.89  | 2376990 | 5.0  |