

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV020120\  
 Data File : VV014475.D  
 Acq On : 01 Feb 2020 01:20  
 Operator : SY/MD  
 Sample : L1323-12 10X  
 Misc : 5.09g/5.0mL/100uL/5.0mL/MSVOA\_V/MEOH  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 GAT50

Manual Integrations  
 APPROVED

MMDadoda  
 2/3/2020 10:33:52 AM

Quant Time: Feb 01 04:11:18 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM020120WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Feb 01 02:36:06 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 410950   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 394709   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 196094   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 93589    | 41.01    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 82.02%  |
| 7) Chloroethane-d5             | 1.58    | 69    | 61211    | 43.14    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 86.28%  |
| 11) 1,1-Dichloroethene-d2      | 2.13    | 63    | 106541   | 34.97    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 69.94%  |
| 21) 2-Butanone-d5              | 3.92    | 46    | 166394   | 108.35   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 108.35% |
| 24) Chloroform-d               | 4.40    | 84    | 213190   | 44.14    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 88.28%  |
| 26) 1,2-Dichloroethane-d4      | 5.08    | 65    | 143176   | 49.21    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 98.42%  |
| 32) Benzene-d6                 | 5.10    | 84    | 471085   | 45.33    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 90.66%  |
| 36) 1,2-Dichloropropane-d6     | 6.11    | 67    | 149913   | 45.59    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 91.18%  |
| 41) Toluene-d8                 | 7.36    | 98    | 446389   | 46.53    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 93.06%  |
| 43) trans-1,3-Dichloropropene- | 7.66    | 79    | 78325    | 46.87    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 93.74%  |
| 47) 2-Hexanone-d5              | 8.13    | 63    | 142927   | 111.10   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 111.10% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.25   | 84    | 186812   | 44.10    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 88.20%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.67   | 152   | 173431   | 48.02    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 96.04%  |

## Target Compounds

|                |      |     |        |            | Ovalue |
|----------------|------|-----|--------|------------|--------|
| 13) Acetone    | 2.19 | 43  | 3328   | 2.540 ug/L | 98     |
| 25) Chloroform | 4.42 | 83  | 10638m | 2.135 ug/L |        |
| 53) m,p-Xylene | 9.18 | 106 | 4596   | 0.900 ug/L | 98     |
| 55) Styrene    | 9.60 | 104 | 6580   | 0.774 ug/L | 97     |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

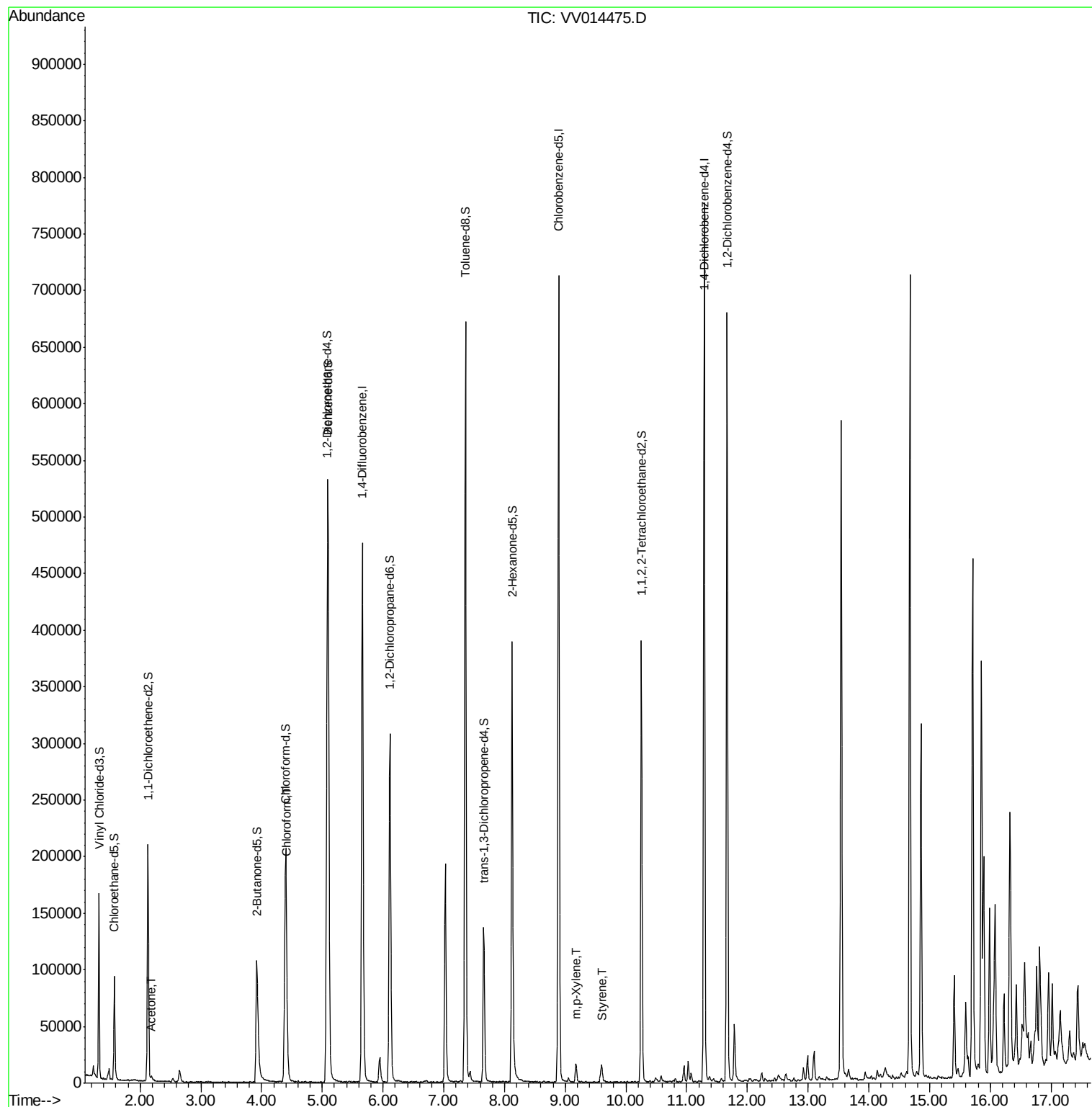
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV020120\  
Data File : VV014475.D  
Acq On : 01 Feb 2020 01:20  
Operator : SY/MD  
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ALS Vial : 30 Sample Multiplier: 1

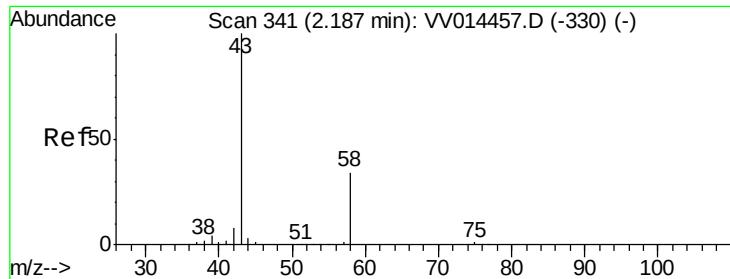
Instrument :  
MSVOA\_V  
ClientSampleId :  
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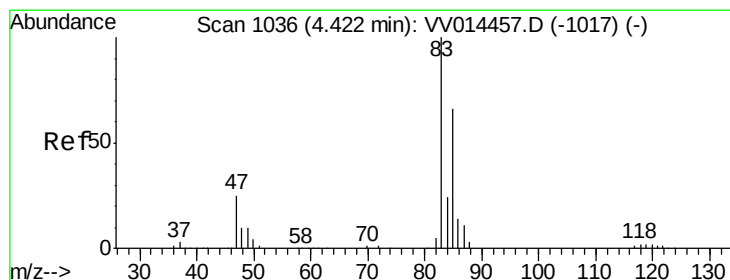
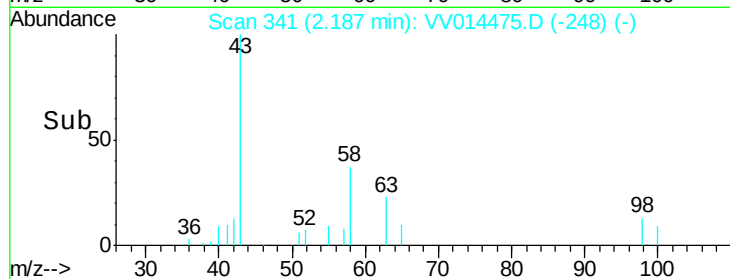
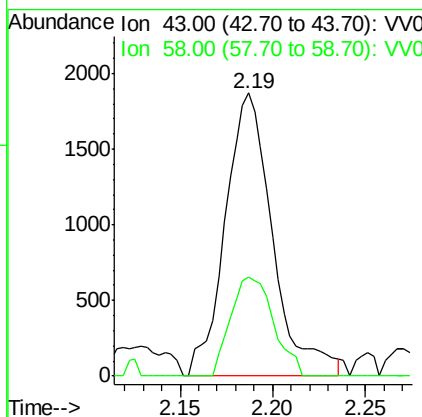
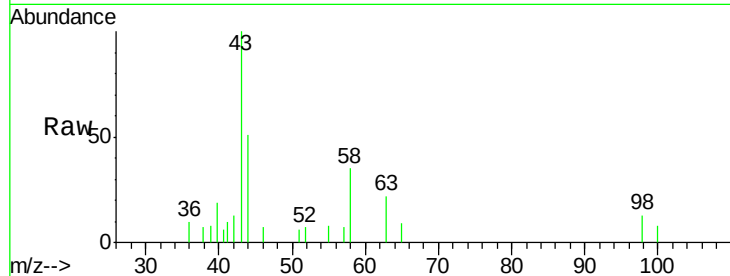
#13  
Acetone  
Concen: 2.540 ug/L  
RT: 2.19 min Scan# 341  
Delta R.T. -0.00 min  
Lab File: VV014475.D  
Acq: 01 Feb 2020 01:20

Instrument :  
MSVOA\_V  
ClientSampled :  
GAT50

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 31.6  | 0.0   | 61.2  |

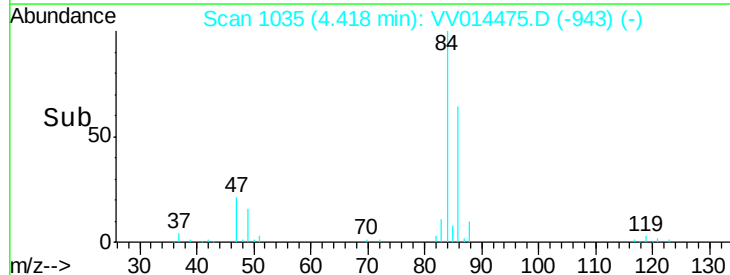
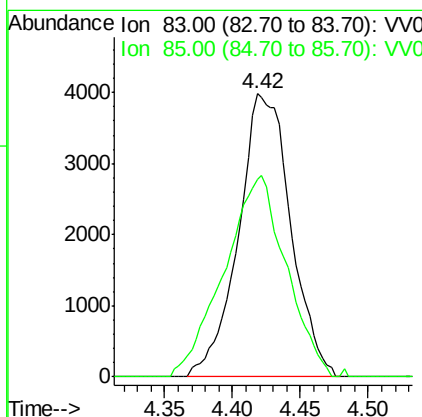
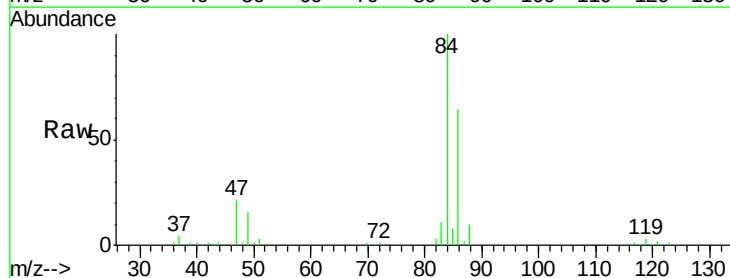
Manual Integrations  
APPROVED

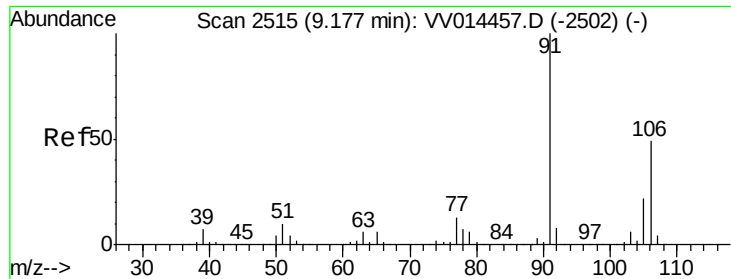
MMDadoda  
2/3/2020 10:33:52 AM



#25  
Chloroform  
Concen: 2.135 ug/L m  
RT: 4.42 min Scan# 1035  
Delta R.T. -0.00 min  
Lab File: VV014475.D  
Acq: 01 Feb 2020 01:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 69.8  | 45.1  | 83.7  |





#53

m,p-Xylene

Concen: 0.900 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV014475.D

Acq: 01 Feb 2020 01:20

Instrument :  
MSVOA\_V  
ClientSampled :  
GAT50

Tot Ion:106 Resp: 4596

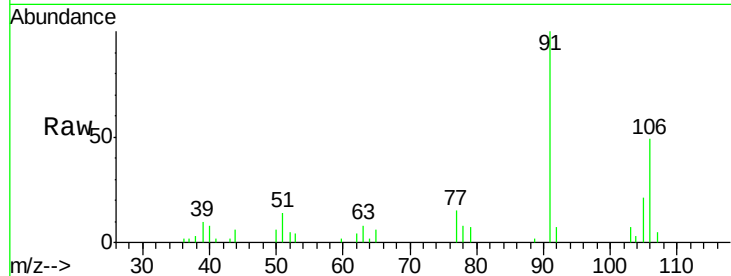
Ion Ratio Lower Upper

106 100

91 203.7 140.9 261.7

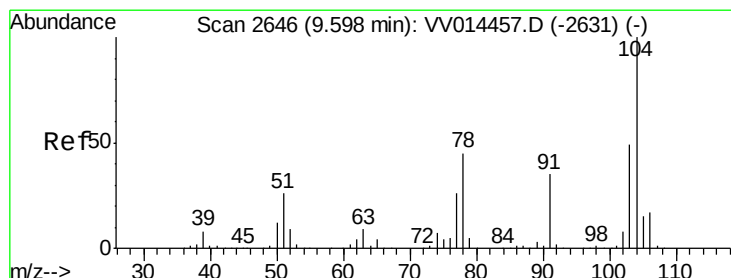
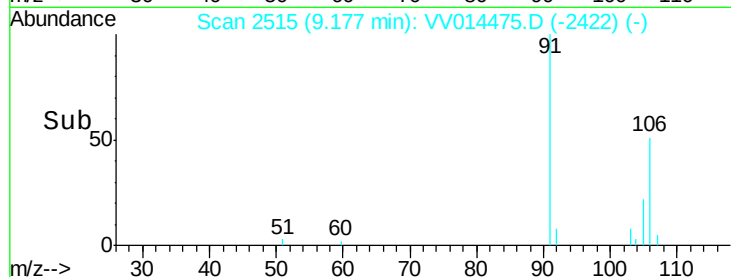
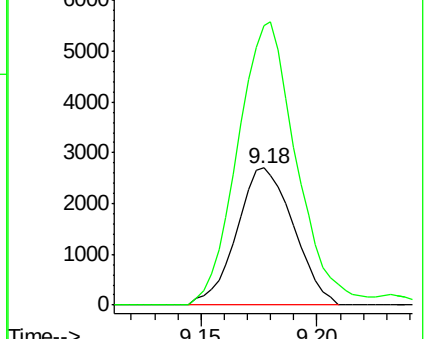
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 0.774 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV014475.D

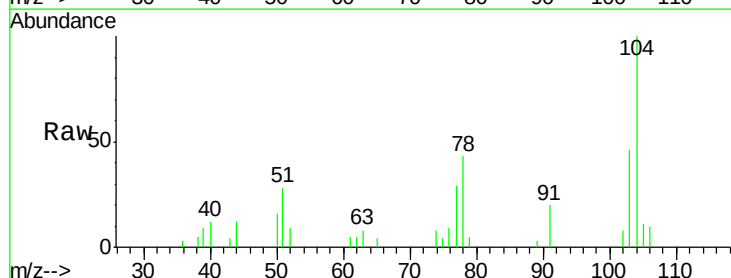
Acq: 01 Feb 2020 01:20

Tgt Ion:104 Resp: 6580

Ion Ratio Lower Upper

104 100

78 42.9 31.3 58.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0

