

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070119\  
 Data File : VU033124.D  
 Acq On : 01 Jul 2019 18:56  
 Operator : JC/SP  
 Sample : K3599-16  
 Misc : 7.92g/10mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GAM25

Manual Integrations  
 APPROVED

MMDadoda  
 7/3/2019 9:03:22 AM

Quant Time: Jul 02 07:28:06 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM061719WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Jul 02 04:16:18 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.87  | 114  | 227931   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 227327   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 112781   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 53377    | 34.27    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 68.54%  |
| 7) Chloroethane-d5             | 1.64    | 69    | 38112    | 30.68    | ug/L | -0.04   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 61.36%# |
| 11) 1,1-Dichloroethene-d2      | 2.22    | 63    | 95175m   | 30.33    | ug/L | -0.05   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 60.66%  |
| 21) 2-Butanone-d5              | 4.19    | 46    | 142777   | 110.12   | ug/L | 0.02    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 110.12% |
| 24) Chloroform-d               | 4.63    | 84    | 139811   | 46.17    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 92.34%  |
| 26) 1,2-Dichloroethane-d4      | 5.30    | 65    | 101798   | 50.47    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 100.94% |
| 32) Benzene-d6                 | 5.32    | 84    | 262107   | 44.23    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 88.46%  |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 88234    | 46.74    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 93.48%  |
| 41) Toluene-d8                 | 7.56    | 98    | 236381   | 42.59    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 85.18%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 41218    | 41.97    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 83.94%  |
| 47) 2-Hexanone-d5              | 8.32    | 63    | 87176    | 98.90    | ug/L | 0.02    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 98.90%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 141745   | 48.57    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 97.14%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 99298    | 45.50    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 91.00%  |

| Target Compounds      |      |     |        |       | Ovalue |
|-----------------------|------|-----|--------|-------|--------|
| 22) 2-Butanone        | 4.29 | 43  | 18317m | 9.869 | ug/L   |
| 34) Trichloroethene   | 6.18 | 95  | 10863  | 6.208 | ug/L   |
| 46) Tetrachloroethene | 8.22 | 164 | 5374   | 3.748 | ug/L   |

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

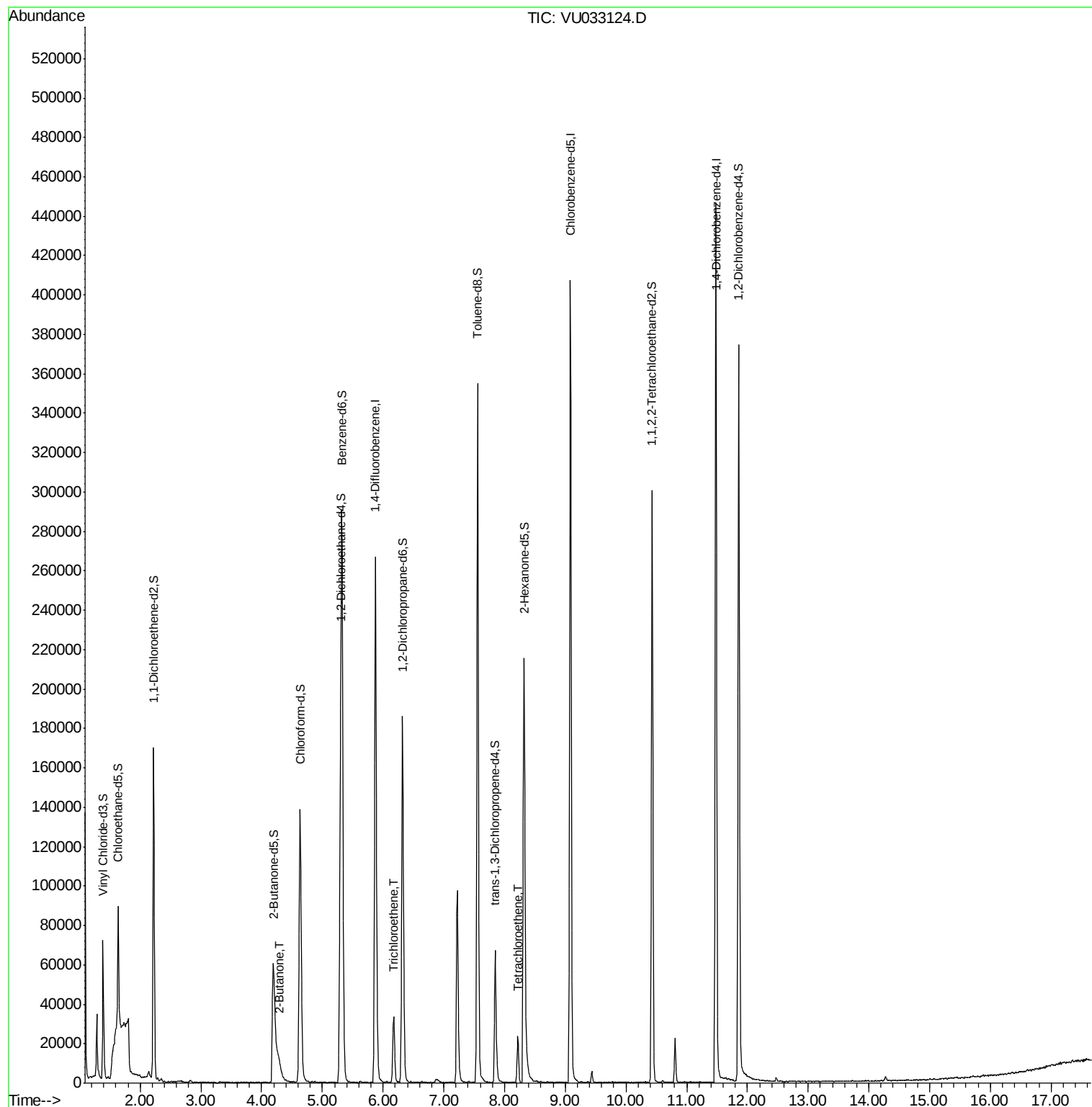
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU070119\  
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ALS Vial : 27 Sample Multiplier: 1

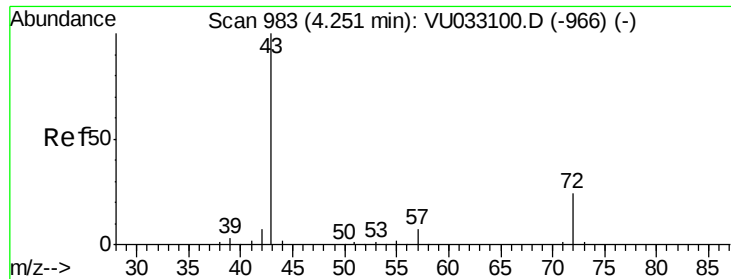
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#22

2-Butanone

Concen: 9.869 ug/L m

RT: 4.29 min Scan# 996

Delta R.T. 0.04 min

Lab File: VU033124.D

Acq: 01 Jul 2019 18:56

Instrument :

MSVOA\_U

ClientSampleId :

GAM25

Tot Ion: 43 Resp: 18317

Ion Ratio Lower Upper

43 100

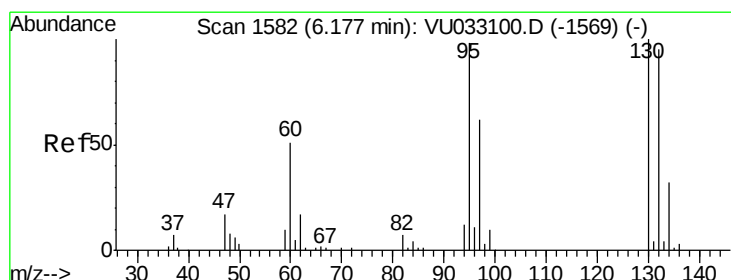
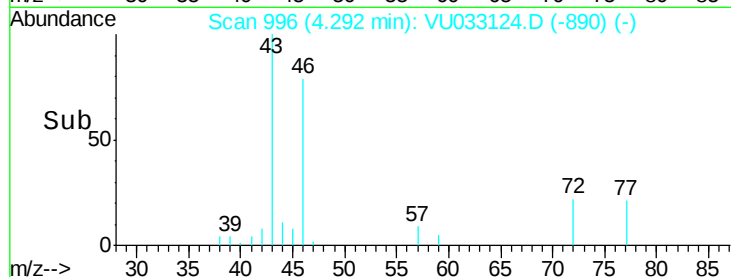
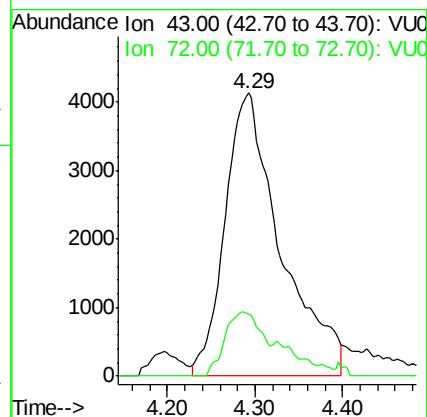
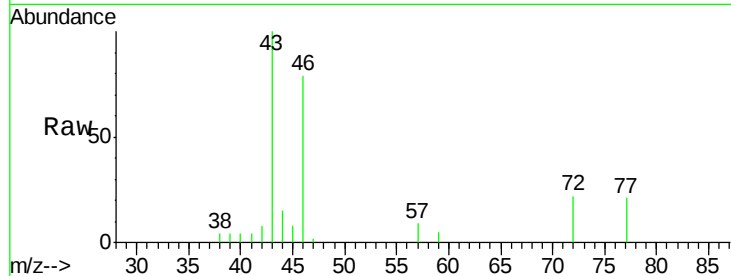
72 15.1 12.9 38.6

Manual Integrations

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#34

Trichloroethene

Concen: 6.208 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VU033124.D

Acq: 01 Jul 2019 18:56

Tgt Ion: 95 Resp: 10863

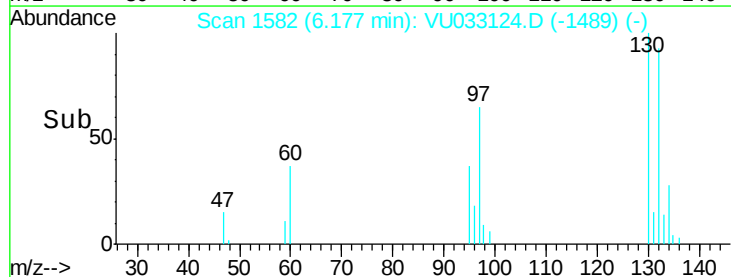
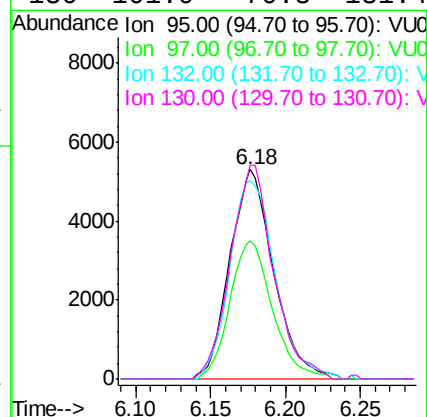
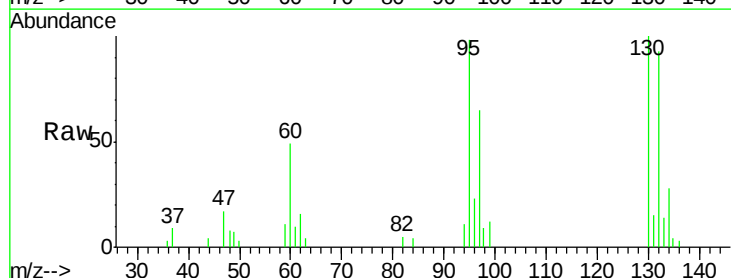
Ion Ratio Lower Upper

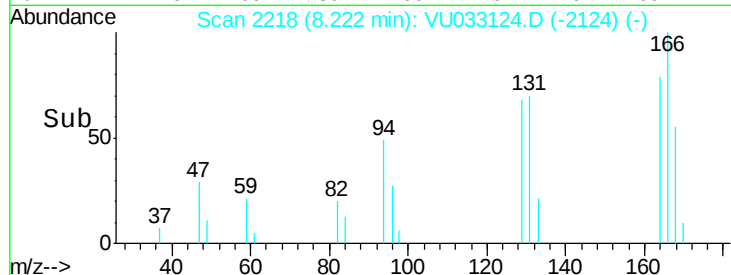
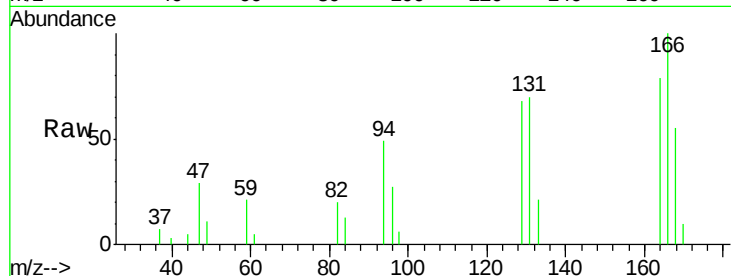
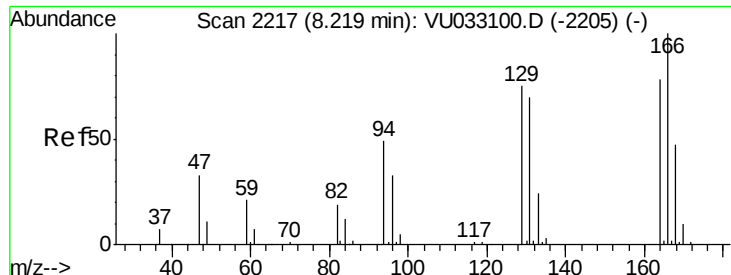
95 100

97 66.3 45.9 85.3

132 94.8 68.5 127.3

130 101.9 70.8 131.4





#46

Tetrachloroethene

Concen: 3.748 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU033124.D

Acq: 01 Jul 2019 18:56

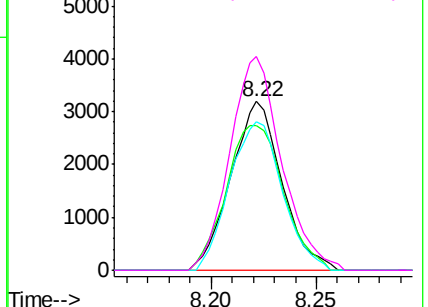
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 164   | Resp: | 5374  |
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 129       | 85.6  | 64.8  | 120.3 |
| 131       | 88.4  | 64.5  | 119.7 |
| 166       | 126.6 | 91.3  | 169.6 |

Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



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