

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU071819\  
 Data File : VU033312.D  
 Acq On : 18 Jul 2019 12:29  
 Operator : JC/SP  
 Sample : K3863-06ME  
 Misc : 7.25g/5mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 A52G3ME

Manual Integrations  
 APPROVED

MMDadoda  
 7/19/2019 10:56:45 AM

Quant Time: Aug 05 04:15:46 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM071219WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jul 19 01:43:14 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.86  | 114  | 359510   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.07  | 117  | 350757   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.47 | 152  | 180377   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 41736    | 15.34    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 30.68%# |
| 7) Chloroethane-d5             | 1.63    | 69    | 45017    | 19.36    | ug/L | -0.04   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 38.72%# |
| 11) 1,1-Dichloroethene-d2      | 2.22    | 63    | 75869m   | 15.37    | ug/L | -0.04   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 30.74%# |
| 21) 2-Butanone-d5              | 4.17    | 46    | 183067   | 106.16   | ug/L | 0.02    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 106.16% |
| 24) Chloroform-d               | 4.62    | 84    | 156194   | 34.25    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 68.50%# |
| 26) 1,2-Dichloroethane-d4      | 5.28    | 65    | 105399   | 36.03    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 72.06%  |
| 32) Benzene-d6                 | 5.31    | 84    | 246491   | 28.65    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 57.30%# |
| 36) 1,2-Dichloropropane-d6     | 6.31    | 67    | 100823   | 36.58    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 73.16%  |
| 41) Toluene-d8                 | 7.55    | 98    | 204566   | 25.21    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 50.42%# |
| 43) trans-1,3-Dichloropropene- | 7.84    | 79    | 52543    | 38.87    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 77.74%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 140486   | 113.06   | ug/L | 0.01    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 113.06% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.42   | 84    | 215978   | 51.77    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 103.54% |
| 64) 1,2-Dichlorobenzene-d4     | 11.85   | 152   | 147900   | 45.98    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 91.96%  |

| Target Compounds           |      |    |       |            | Ovalue |
|----------------------------|------|----|-------|------------|--------|
| 15) Methyl Acetate         | 2.61 | 43 | 14669 | 5.214 ug/L | 99     |
| 20) cis-1,2-Dichloroethene | 4.19 | 96 | 14586 | 5.214 ug/L | 96     |

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

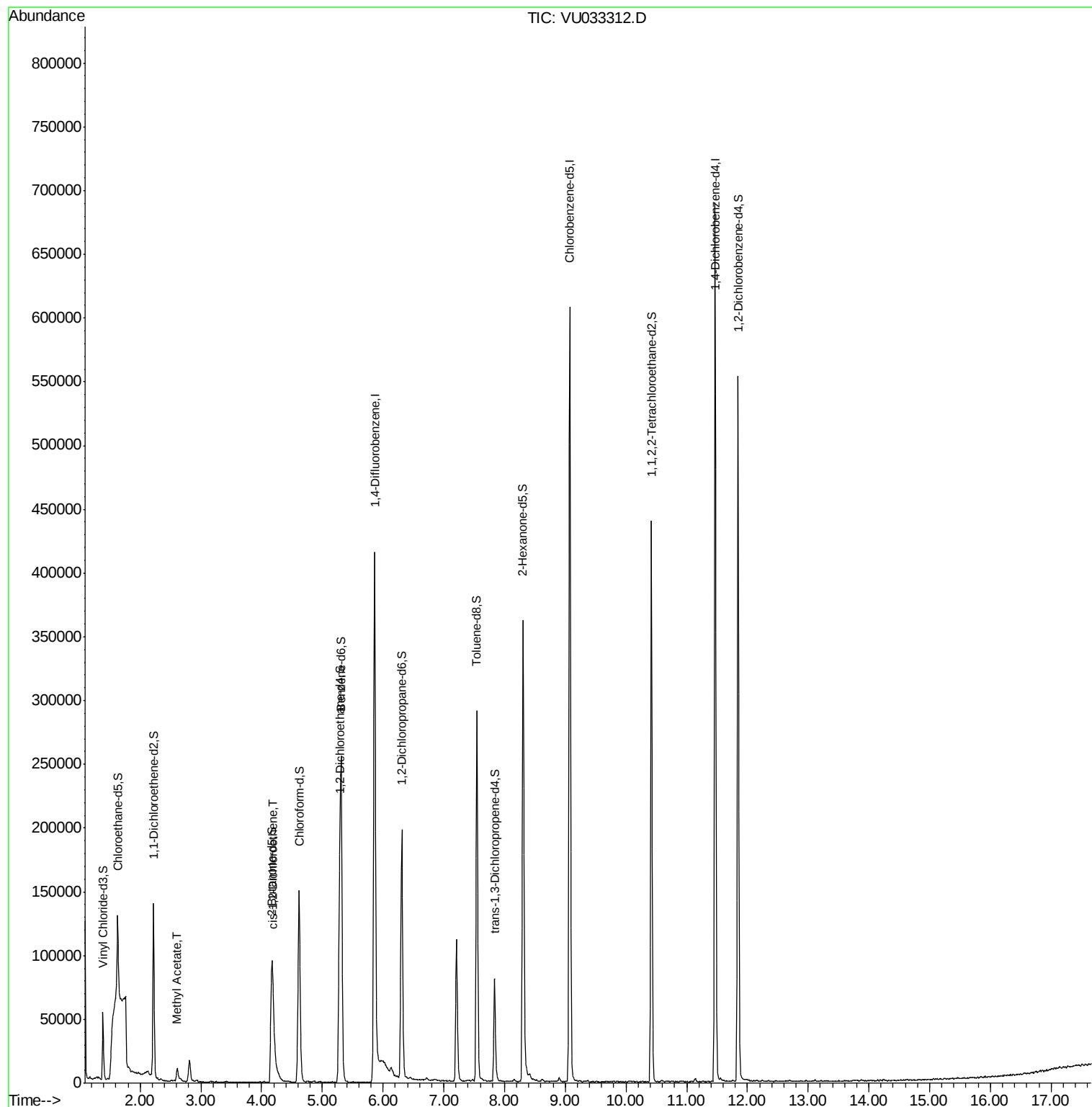
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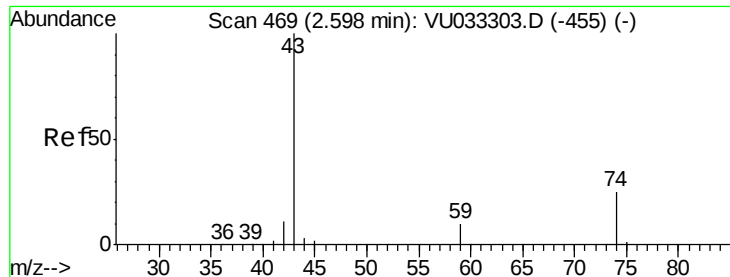
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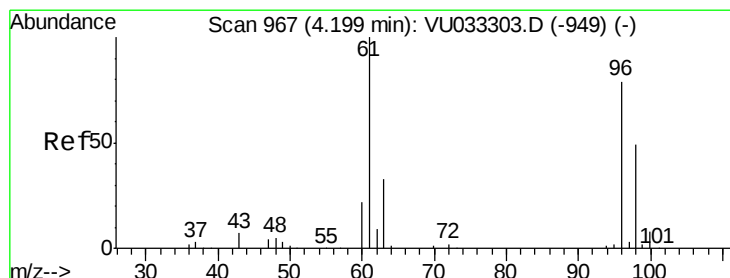
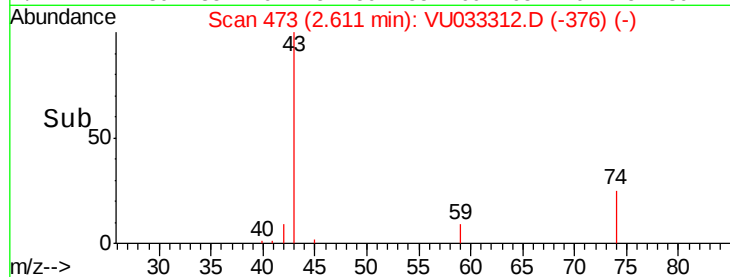
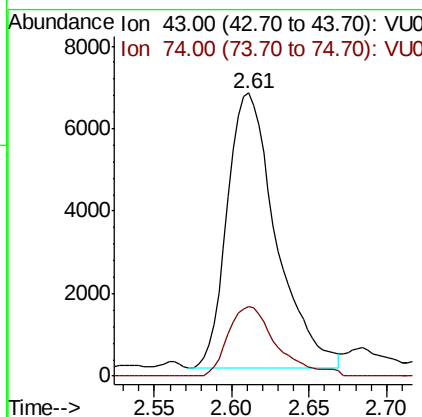
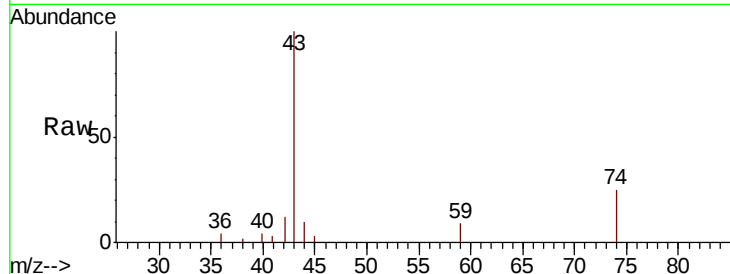
#15  
Methvl Acetate  
Concen: 5.214 ug/L  
RT: 2.61 min Scan# 473  
Delta R.T. 0.01 min  
Lab File: VU033312.D  
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Instrument :  
MSVOA\_U  
ClientSampleId :  
A52G3ME

Tot Ion: 43 Resp: 14669  
Ion Ratio Lower Upper  
43 100  
74 24.3 19.9 29.9

Manual Integrations  
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#20  
cis-1,2-Dichloroethene  
Concen: 5.214 ug/L  
RT: 4.19 min Scan# 965  
Delta R.T. -0.01 min  
Lab File: VU033312.D  
Acq: 18 Jul 2019 12:29

Tgt Ion: 96 Resp: 14586  
Ion Ratio Lower Upper  
96 100  
61 125.9 91.1 169.1  
68 0.0 0.0 0.0

