

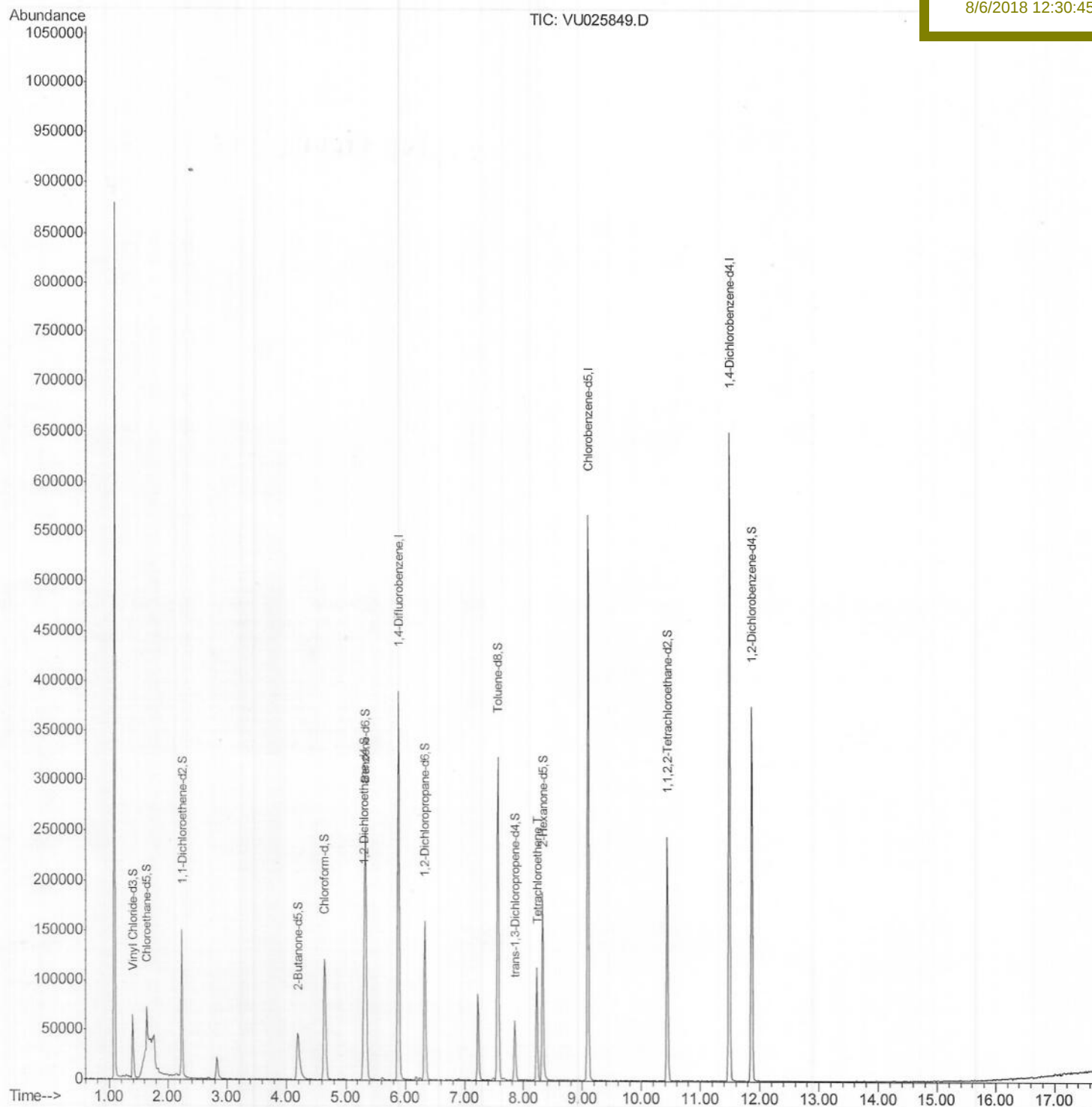
Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU080418\  
Data File : VU025849.D  
Acq On : 04 Aug 2018 03:21  
Operator : MD/SY  
Sample : J4261-14ME  
Misc : 5.77g/5.0mL/100uL/5.00mL//MSVOA\_U/MEOH  
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 04 05:24:42 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM072018WMA.M  
Quant Title : VOC Analysis  
QLast Update : Sat Aug 04 04:39:04 2018  
Response via : Initial Calibration

Instrument :  
MSVOA\_U  
ClientSampleId :  
E5F99ME

Manual Integrations  
APPROVED

sam  
8/6/2018 12:30:45 PM



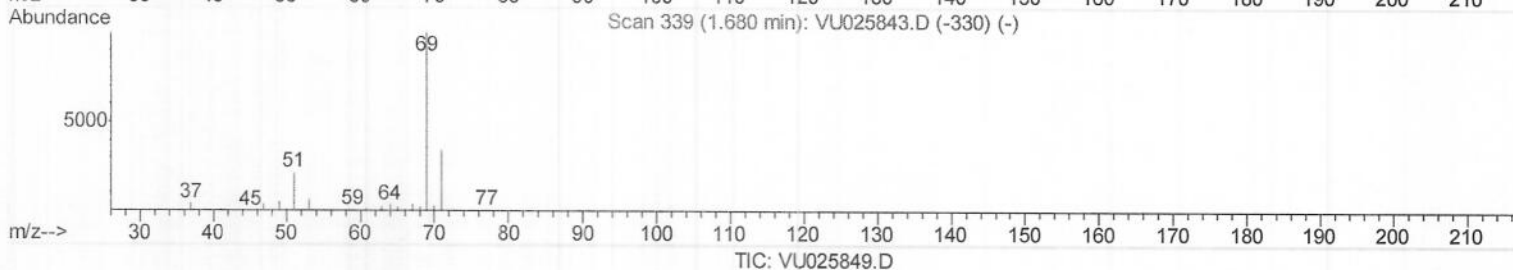
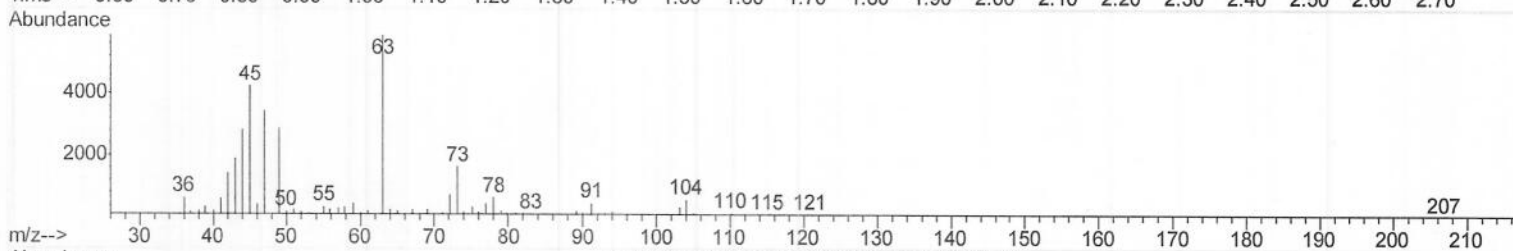
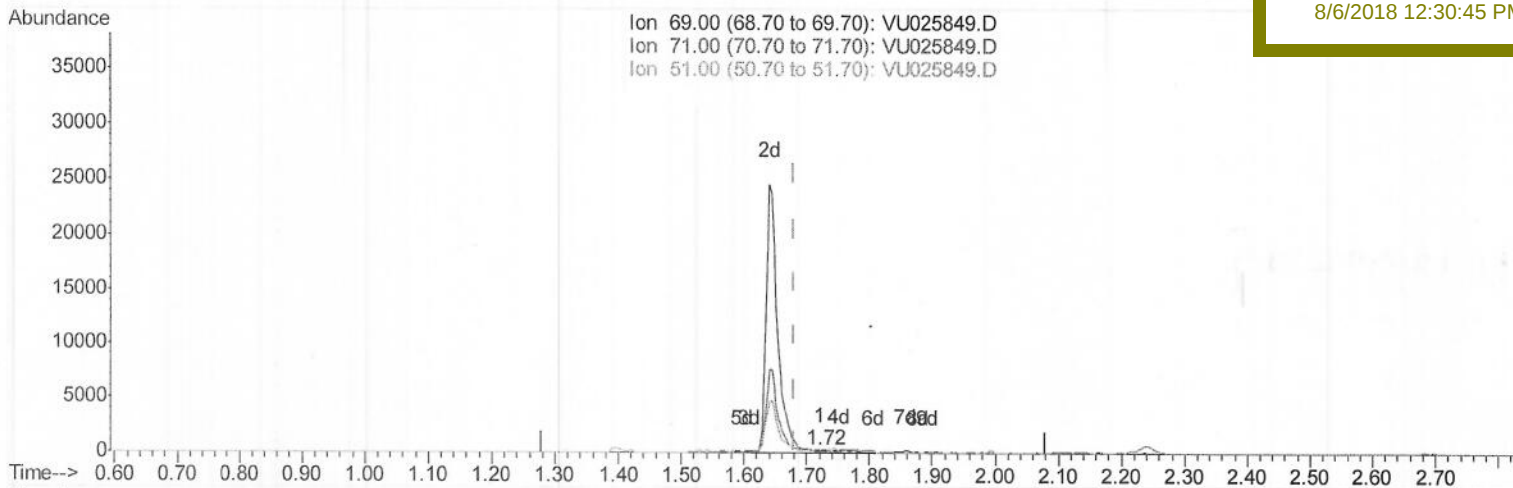
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(7) Chloroethane-d5 (S)

1.722min (+0.042) 0.09ug/L

response 139

| Ion   | Exp%  | Act%    |
|-------|-------|---------|
| 69.00 | 100   | 100     |
| 71.00 | 32.40 | 191.37# |
| 51.00 | 29.00 | 12.95#  |
| 0.00  | 0.00  | 0.00    |

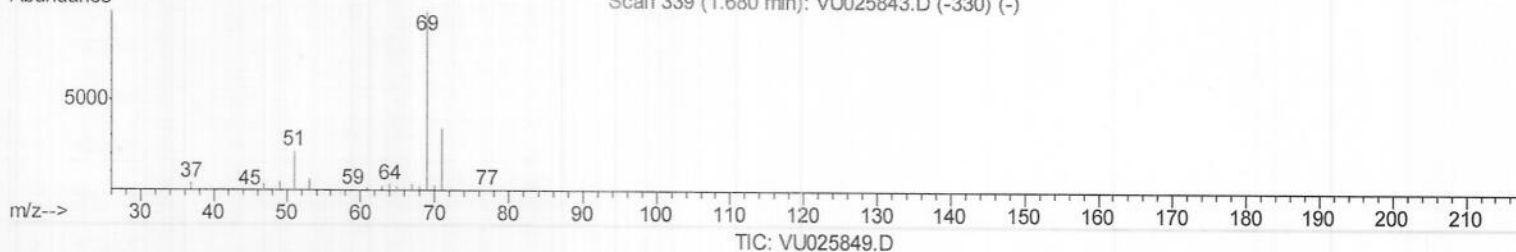
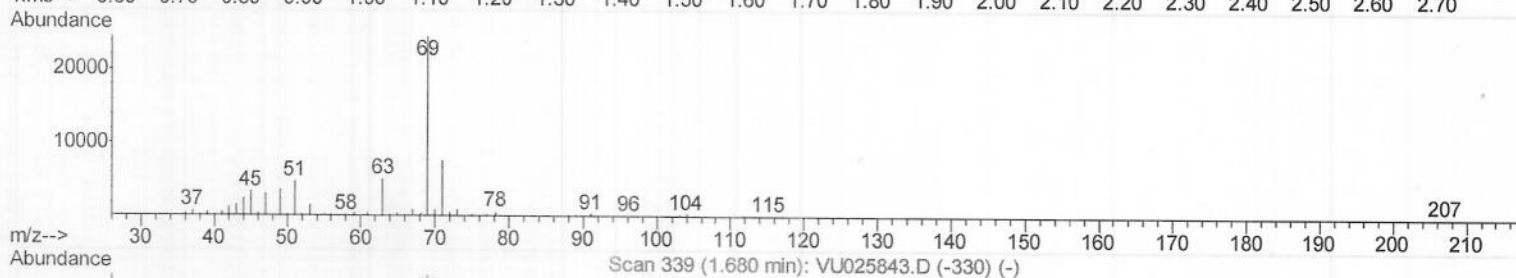
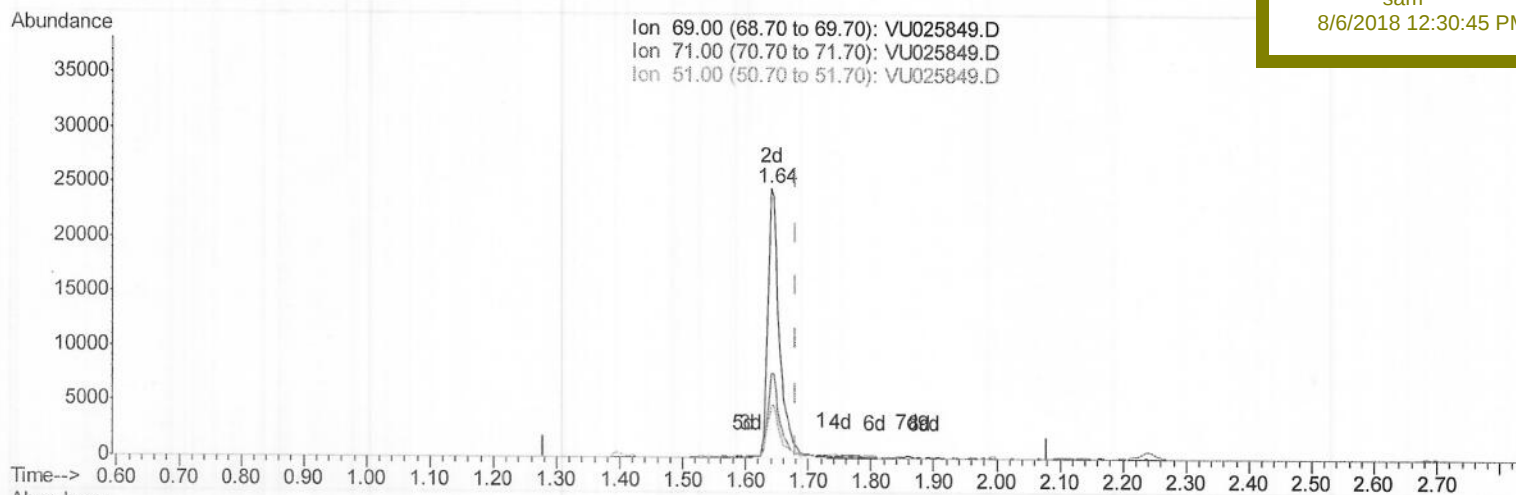
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QLast Update : Sat Aug 04 04:39:04 2018  
Response via : Initial Calibration

Instrument :  
MSVOA\_U  
ClientSampleId :  
E5F99ME

Manual Integrations  
APPROVED

sam  
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(7) Chloroethane-d5 (S)

1.641min (-0.038) 20.30ug/L m ) MP08/08/18

response 31784

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 69.00 | 100   | 100   |
| 71.00 | 32.40 | 0.84# |
| 51.00 | 29.00 | 0.06# |
| 0.00  | 0.00  | 0.00  |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU080418\  
 Data File : VU025849.D  
 Acq On : 04 Aug 2018 03:21  
 Operator : MD/SY  
 Sample : J4261-14ME  
 Misc : 5.77g/5.0mL/100uL/5.00mL//MSVOA\_U/MEOH  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 E5F99ME

Quant Time: Aug 04 05:24:42 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM072018WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Aug 04 04:39:04 2018  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

sam  
 8/6/2018 12:30:45 PM

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 332423   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 325846   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 170636   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 52467    | 27.65    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 55.30%# |
| 7) Chloroethane-d5             | 1.64    | 69    | 31784m   | 20.30    | ug/L | -0.04   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 40.60%# |
| 11) 1,1-Dichloroethene-d2      | 2.24    | 63    | 82667    | 20.92    | ug/L | -0.04   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 41.84%# |
| 21) 2-Butanone-d5              | 4.19    | 46    | 93989    | 64.15    | ug/L | 0.02    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 64.15%  |
| 24) Chloroform-d               | 4.64    | 84    | 123339   | 29.18    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 58.36%# |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 86878    | 31.08    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 62.16%# |
| 32) Benzene-d6                 | 5.34    | 84    | 240786   | 28.81    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 57.62%# |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 77140    | 28.65    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 57.30%# |
| 41) Toluene-d8                 | 7.57    | 98    | 221999   | 27.70    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 55.40%# |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 34718    | 25.24    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 50.48%# |
| 47) 2-Hexanone-d5              | 8.33    | 63    | 70683    | 62.69    | ug/L | 0.01    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 62.69%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.44   | 84    | 115326   | 30.62    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 61.24%# |
| 64) 1,2-Dichlorobenzene-d4     | 11.87   | 152   | 101453   | 29.34    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 58.68%# |

| Target Compounds      |      |     |       |             | Qvalue |
|-----------------------|------|-----|-------|-------------|--------|
| 46) Tetrachloroethene | 8.23 | 164 | 25954 | 12.051 ug/L | 96     |

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