

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU102918\  
 Data File : VU027855.D  
 Acq On : 29 Oct 2018 14:54  
 Operator : MD/SY  
 Sample : J5635-26ME  
 Misc : 5.64g/5mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 A40G2ME

Quant Time: Oct 30 03:12:32 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM102218WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Oct 30 02:27:31 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 221622   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 219427   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 123189   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 71089    | 41.23    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 82.46%  |
| 7) Chloroethane-d5             | 1.64    | 69    | 56051    | 42.22    | ug/L | -0.04   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 84.44%  |
| 11) 1,1-Dichloroethene-d2      | 2.23    | 63    | 98792    | 31.81    | ug/L | -0.05   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 63.62%  |
| 21) 2-Butanone-d5              | 4.20    | 46    | 139533   | 94.95    | ug/L | 0.02    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 94.95%  |
| 24) Chloroform-d               | 4.64    | 84    | 133748   | 43.15    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 86.30%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 98964    | 46.10    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 92.20%  |
| 32) Benzene-d6                 | 5.33    | 84    | 266583   | 42.66    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 85.32%  |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 96969    | 43.46    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 86.92%  |
| 41) Toluene-d8                 | 7.57    | 98    | 252243   | 43.76    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 87.52%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 47823    | 44.14    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 88.28%  |
| 47) 2-Hexanone-d5              | 8.33    | 63    | 116665   | 102.18   | ug/L | 0.02    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 102.18% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.44   | 84    | 145912   | 50.65    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 101.30% |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 113590   | 45.02    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 90.04%  |

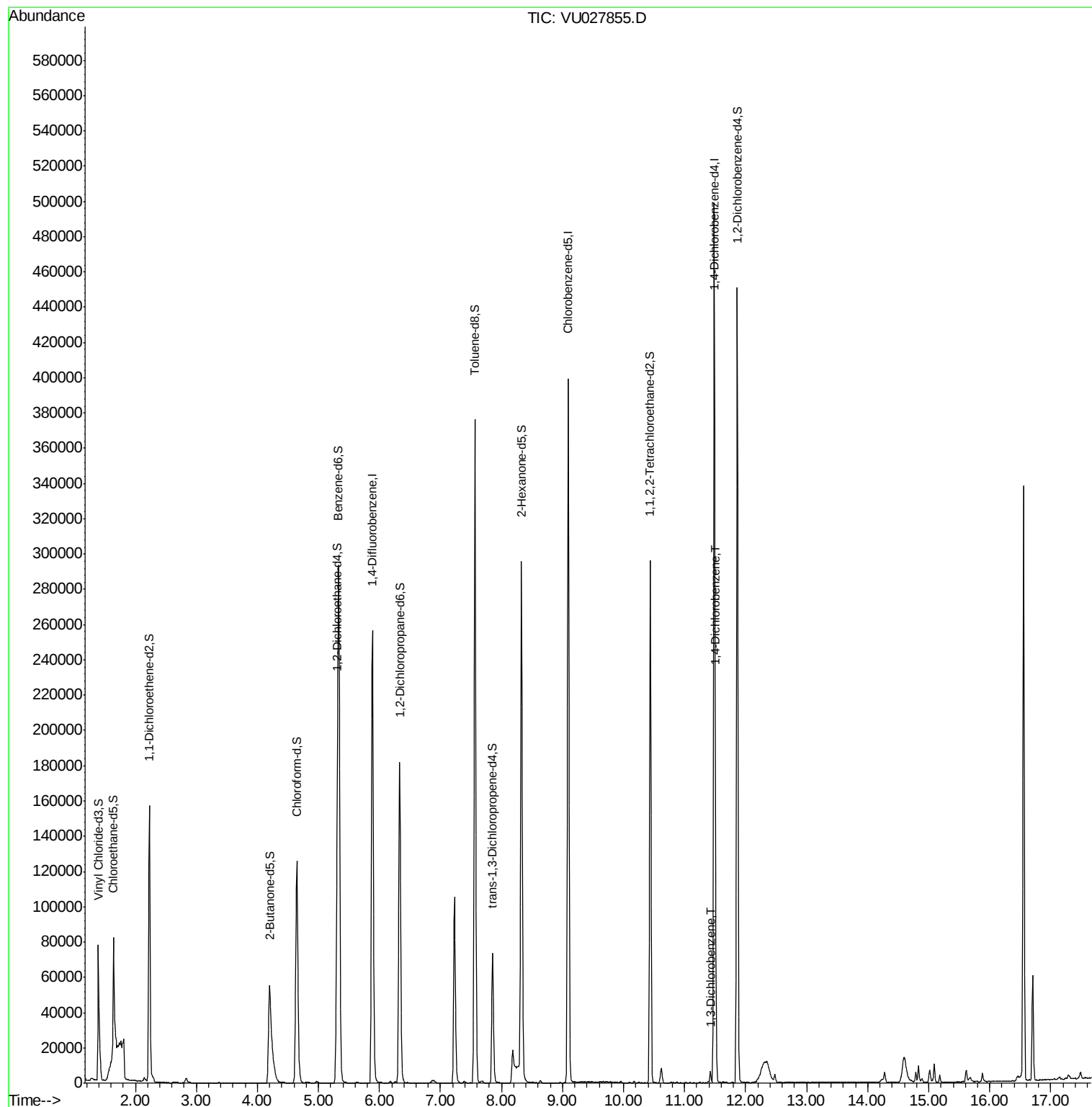
| Target Compounds        |       |     |       |      |      | Qvalue |
|-------------------------|-------|-----|-------|------|------|--------|
| 62) 1,3-Dichlorobenzene | 11.42 | 146 | 2846  | 0.77 | ug/L | 89     |
| 63) 1,4-Dichlorobenzene | 11.51 | 146 | 18418 | 4.89 | ug/L | 93     |

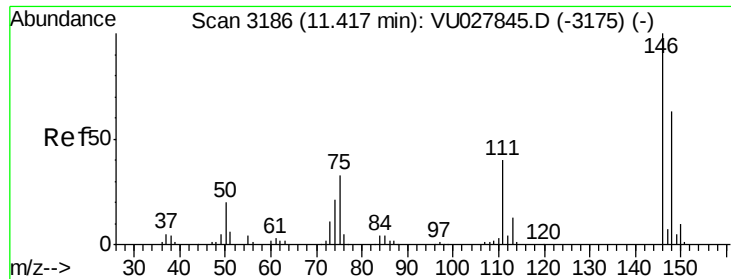
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Oct 30 02:27:31 2018  
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#62

1,3-Dichlorobenzene

Concen: 0.77 ug/L

RT: 11.42 min Scan# 3187

Delta R.T. 0.00 min

Lab File: VU027855.D

Acq: 29 Oct 2018 14:54

Instrument :

MSVOA\_U

ClientSampleId :

A40G2ME

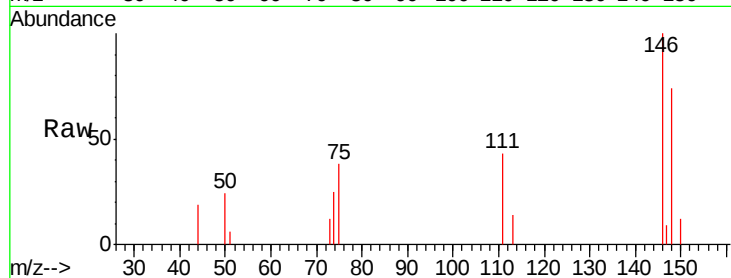
Tgt Ion:146 Resp: 2846

Ion Ratio Lower Upper

146 100

111 43.0 28.1 52.3

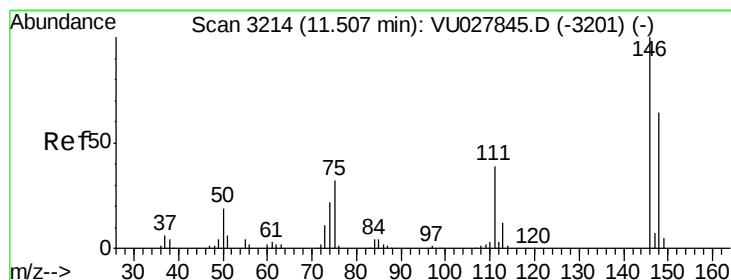
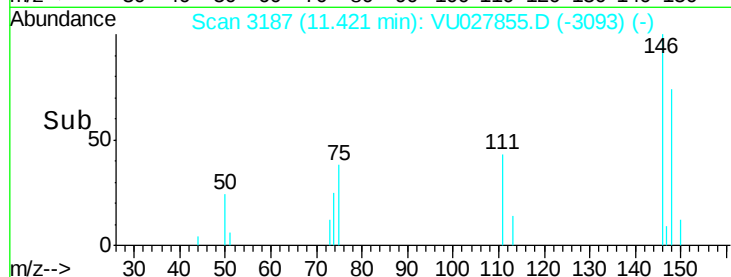
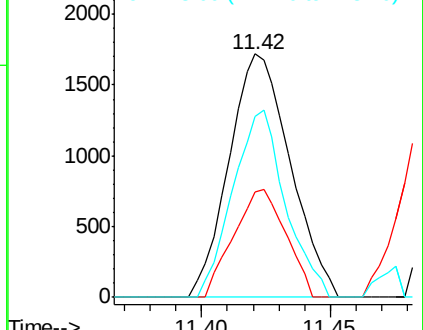
148 74.1 43.7 81.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.89 ug/L

RT: 11.51 min Scan# 3215

Delta R.T. 0.00 min

Lab File: VU027855.D

Acq: 29 Oct 2018 14:54

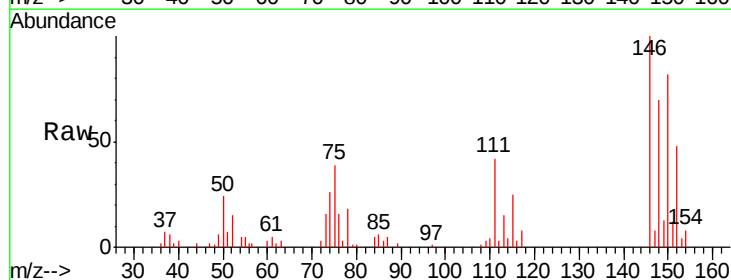
Tgt Ion:146 Resp: 18418

Ion Ratio Lower Upper

146 100

111 41.6 27.5 51.1

148 69.9 44.1 81.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

