

Data File : VU029649.D  
Acq On : 25 Feb 2019 11:12  
Operator : JC/SP  
Sample : K1581-11RE  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
DB621

Quant Time: Feb 26 00:15:26 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM021519WMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Feb 26 00:12:24 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 505678   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 490222   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 236360   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 161368   | 43.55    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 87.10%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 139532   | 42.36    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 84.72%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 245085   | 33.84    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 67.68%  |
| 21) 2-Butanone-d5              | 4.17    | 46    | 223748   | 99.23    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 99.23%  |
| 24) Chloroform-d               | 4.65    | 84    | 280198   | 46.62    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.24%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 182073   | 47.85    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 95.70%  |
| 32) Benzene-d6                 | 5.34    | 84    | 618146   | 50.11    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 100.22% |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 187383   | 50.49    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 100.98% |
| 41) Toluene-d8                 | 7.56    | 98    | 588184   | 46.72    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 93.44%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 88091    | 44.75    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 89.50%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 172260   | 83.35    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 83.35%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 277492   | 44.25    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 88.50%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 235038   | 46.14    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 92.28%  |

#### Target Compounds

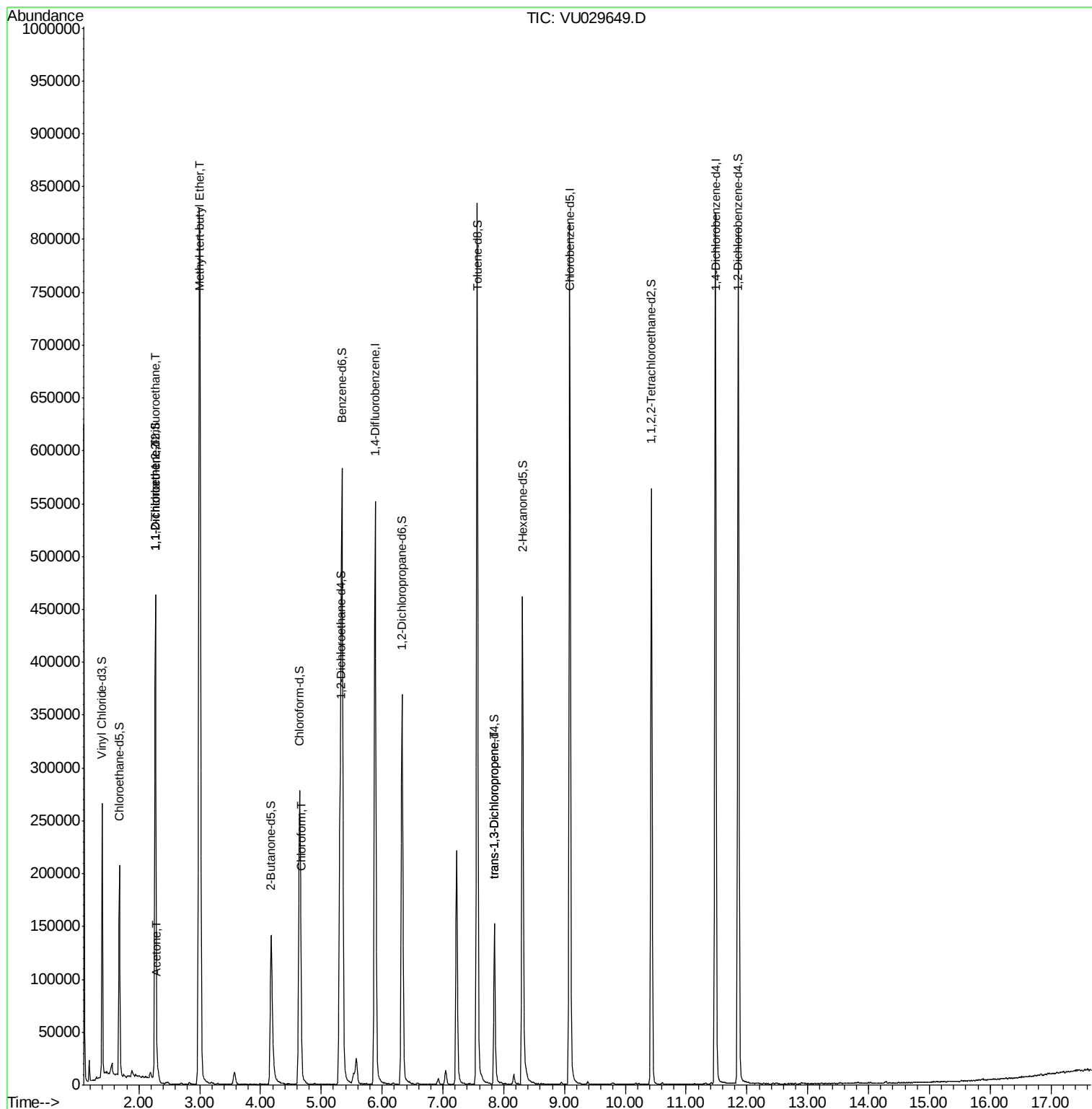
|                                |      |     |        |              | Qvalue |
|--------------------------------|------|-----|--------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.27 | 101 | 2713   | 0.770 ug/L # | 18     |
| 12) 1,1-Dichloroethene         | 2.27 | 96  | 2237   | 0.668 ug/L # | 1      |
| 13) Acetone                    | 2.30 | 43  | 4025   | 1.670 ug/L   | 91     |
| 18) Methyl tert-butyl Ether    | 3.00 | 73  | 940547 | 98.291 ug/L  | 99     |
| 25) Chloroform                 | 4.67 | 83  | 9002   | 1.510 ug/L   | 96     |
| 44) trans-1,3-Dichloropropene  | 7.85 | 75  | 4143   | 0.826 ug/L   | 92     |

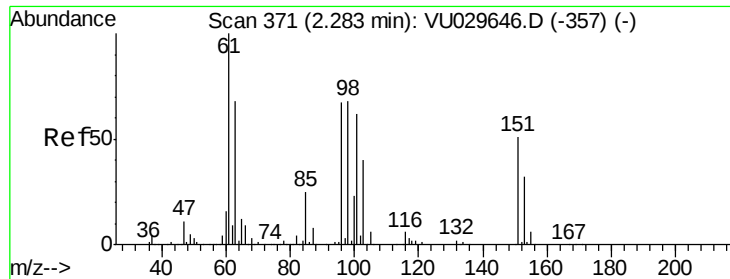
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Feb 26 00:12:24 2019  
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.770 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU029649.D

Acq: 25 Feb 2019 11:12

Instrument :

MSVOA\_U

ClientSampleId :

DB621

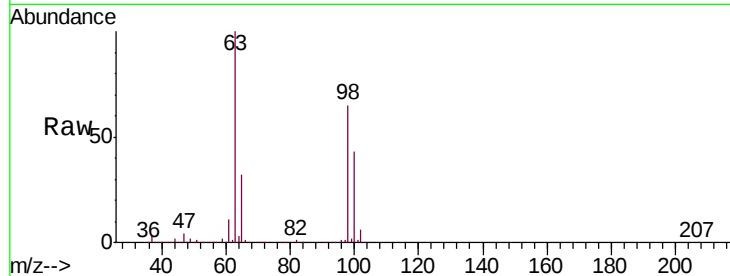
Tgt Ion: 101 Resp: 2713

Ion Ratio Lower Upper

101 100

85 0.0 33.0 49.6#

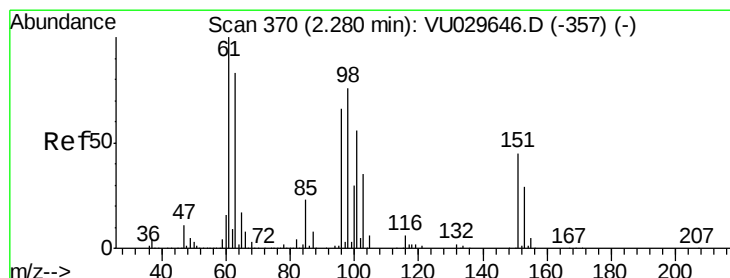
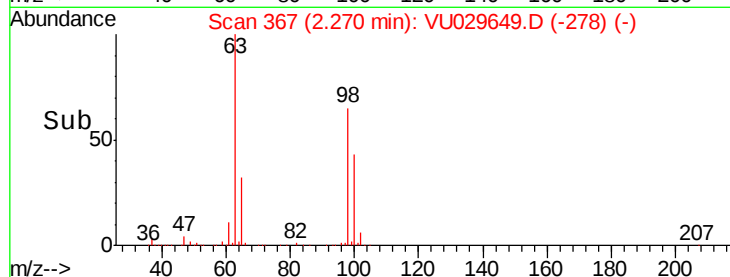
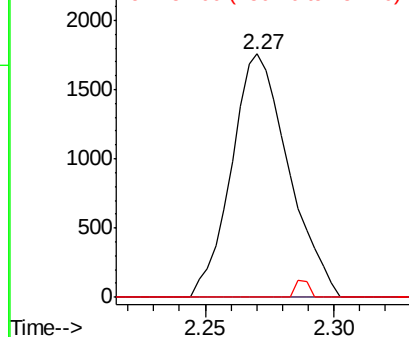
151 1.7 65.7 98.5#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.668 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU029649.D

Acq: 25 Feb 2019 11:12

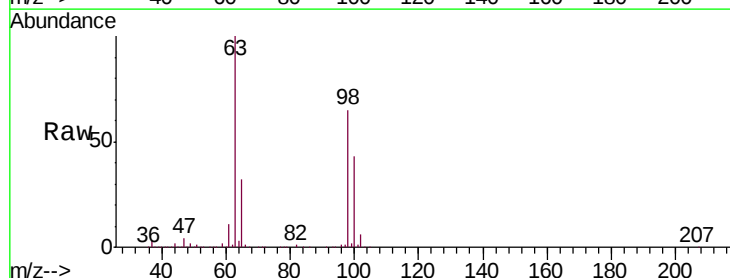
Tgt Ion: 96 Resp: 2237

Ion Ratio Lower Upper

96 100

61 1347.0 114.0 211.8#

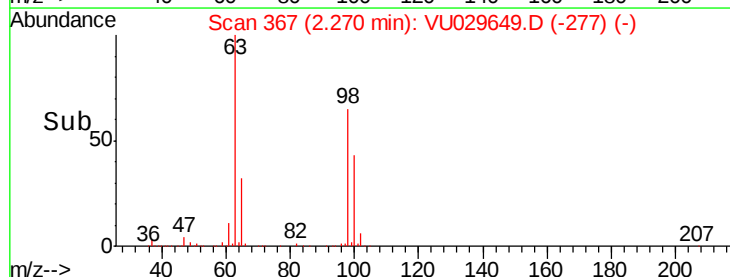
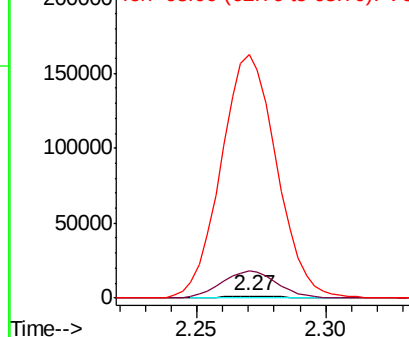
63 12259.0 98.7 183.3#

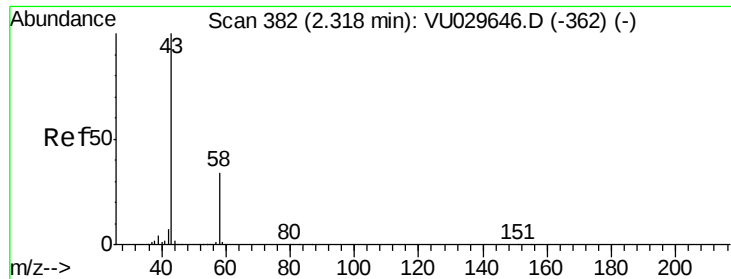


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.670 ug/L

RT: 2.30 min Scan# 377

Delta R.T. -0.02 min

Lab File: VU029649.D

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Instrument :

MSVOA\_U

ClientSampleId :

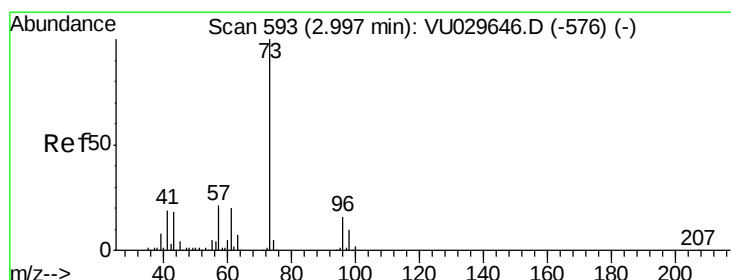
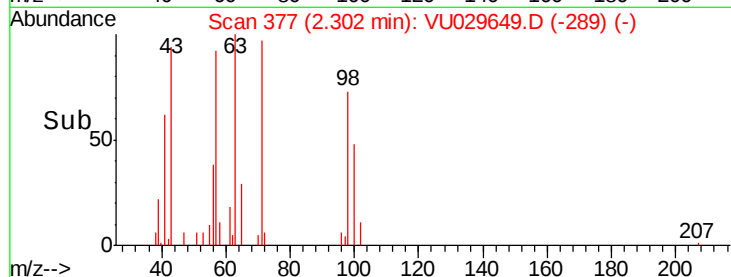
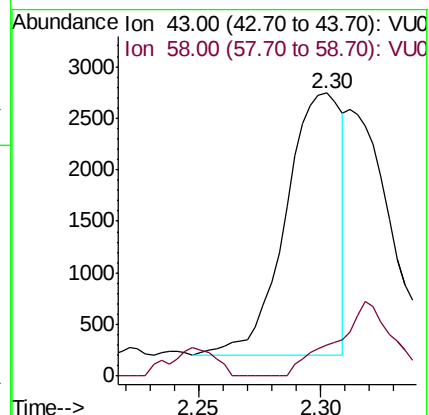
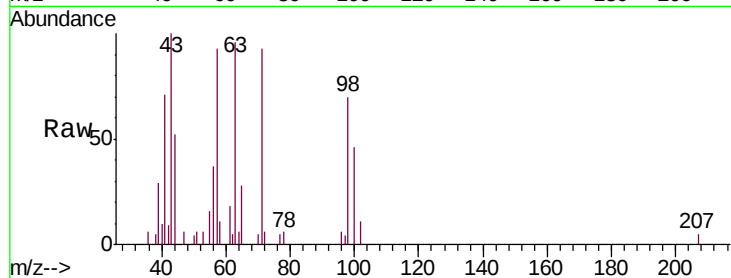
DB621

Tgt Ion: 43 Resp: 4025

Ion Ratio Lower Upper

43 100

58 28.0 0.0 66.8



#18

Methyl tert-butyl Ether

Concen: 98.291 ug/L

RT: 3.00 min Scan# 593

Delta R.T. 0.00 min

Lab File: VU029649.D

Acq: 25 Feb 2019 11:12

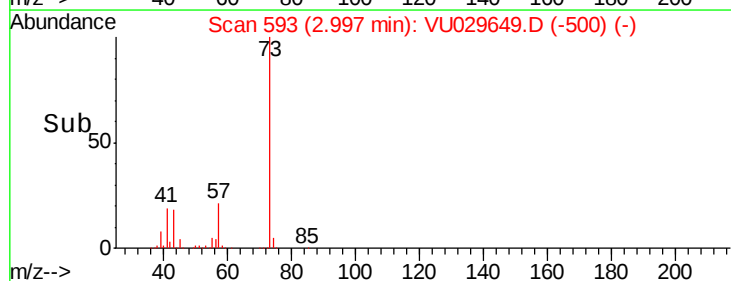
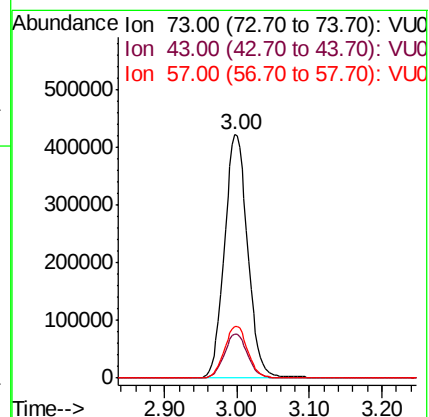
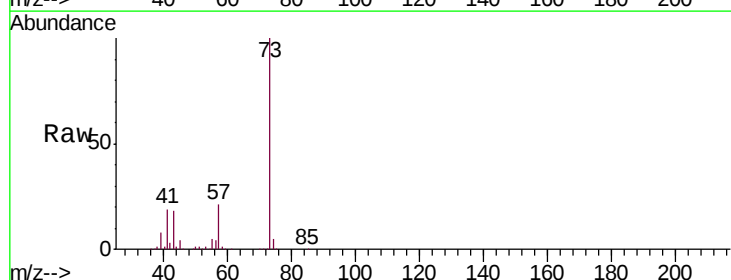
Tgt Ion: 73 Resp: 940547

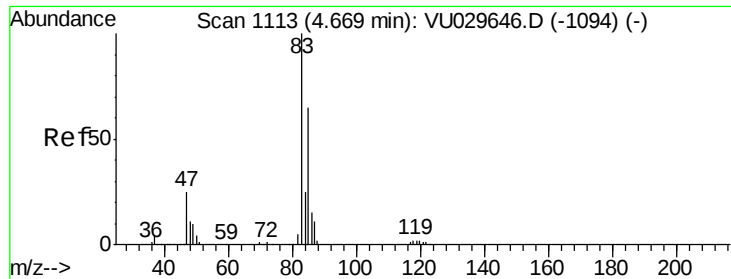
Ion Ratio Lower Upper

73 100

43 18.2 14.8 22.2

57 21.2 16.5 24.7

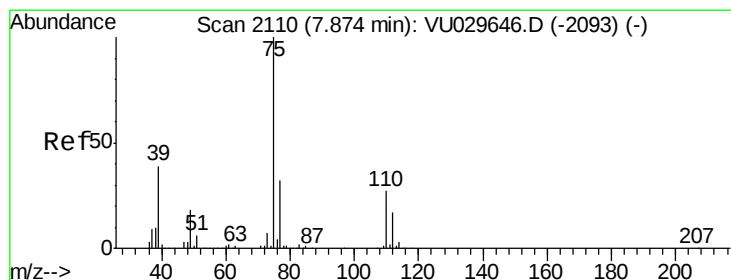
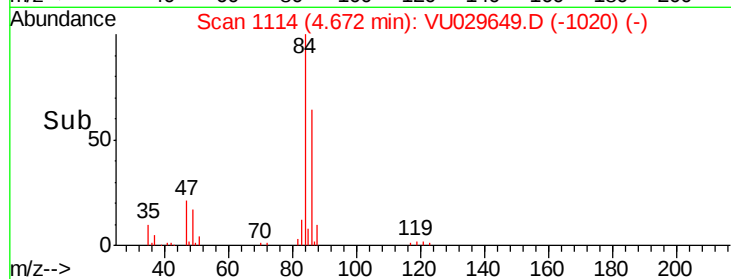
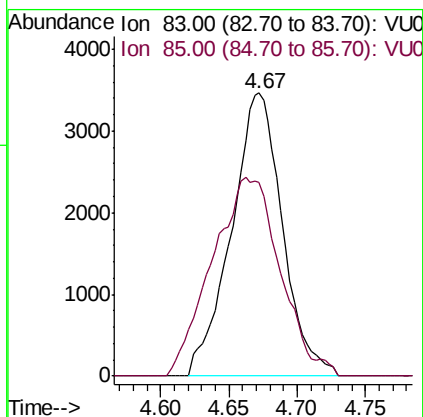
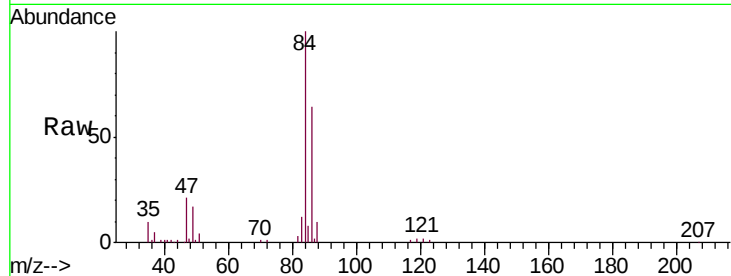




#25  
Chloroform  
Concen: 1.510 ug/L  
RT: 4.67 min Scan# 1114  
Delta R.T. 0.00 min  
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Tgt Ion: 83 Resp: 9002  
Ion Ratio Lower Upper  
83 100  
85 68.3 45.4 84.2



#44  
trans-1,3-Dichloropropene  
Concen: 0.826 ug/L  
RT: 7.85 min Scan# 2102  
Delta R.T. -0.03 min  
Lab File: VU029649.D  
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Tgt Ion: 75 Resp: 4143  
Ion Ratio Lower Upper  
75 100  
77 35.8 22.1 41.1

