

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021219\  
 Data File : VU029426.D  
 Acq On : 12 Feb 2019 17:43  
 Operator : JC/SP  
 Sample : K1436-14  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 ESXA7

Quant Time: Feb 13 13:51:04 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR021219WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Feb 13 03:26:10 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 200741   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 185099   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 99026    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 74394    | 5.52     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 110.40% |
| 7) Chloroethane-d5             | 1.68   | 69    | 62068    | 5.21     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 104.20% |
| 11) 1,1-Dichloroethene-d2      | 2.27   | 63    | 113219   | 3.86     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 77.20%  |
| 20) 2-Butanone-d5              | 4.20   | 46    | 148362   | 52.91    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 105.82% |
| 24) Chloroform-d               | 4.65   | 84    | 110516   | 5.15     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 103.00% |
| 26) 1,2-Dichloroethane-d4      | 5.31   | 65    | 58855    | 5.15     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 103.00% |
| 32) Benzene-d6                 | 5.34   | 84    | 242611   | 5.45     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 109.00% |
| 36) 1,2-Dichloropropane-d6     | 6.33   | 67    | 72058    | 5.48     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 109.60% |
| 41) Toluene-d8                 | 7.56   | 98    | 233222   | 5.31     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 106.20% |
| 43) trans-1,3-Dichloropropene- | 7.85   | 79    | 26892    | 4.58     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 91.60%  |
| 46) 2-Hexanone-d5              | 8.31   | 63    | 142368   | 52.63    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 105.26% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43  | 84    | 58843    | 5.15     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 103.00% |
| 64) 1,2-Dichlorobenzene-d4     | 11.86  | 152   | 98645    | 5.40     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 108.00% |

## Target Compounds

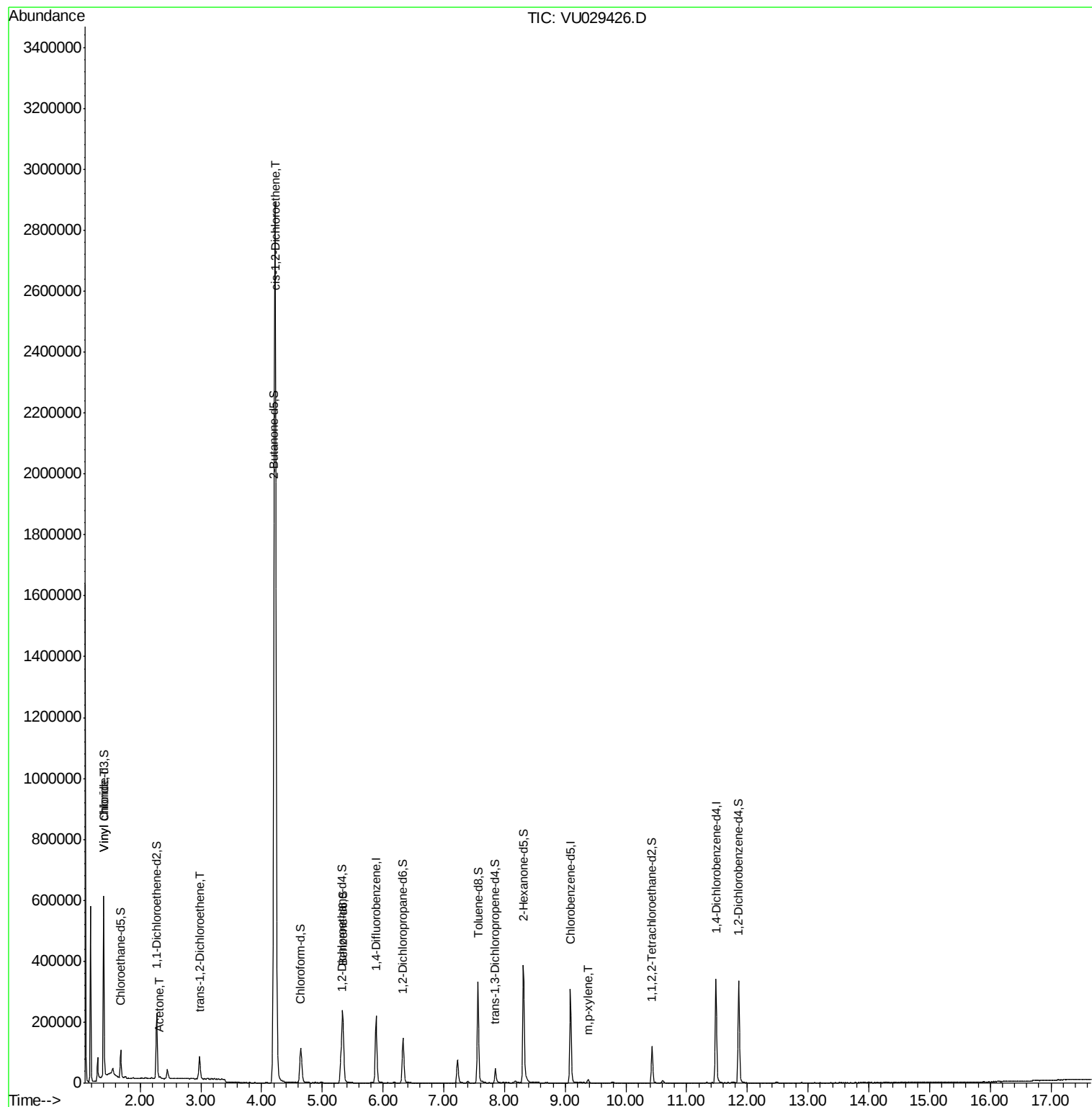
|                              |      |     |         |              | Ovalue |
|------------------------------|------|-----|---------|--------------|--------|
| 5) Vinyl chloride            | 1.40 | 62  | 274117  | 14.179 ug/L  | 95     |
| 13) Acetone                  | 2.32 | 43  | 4524    | 1.776 ug/L   | 88     |
| 18) trans-1,2-Dichloroethene | 2.98 | 96  | 28993   | 1.646 ug/L   | 98     |
| 22) cis-1,2-Dichloroethene   | 4.22 | 96  | 1689891 | 104.287 ug/L | 98     |
| 53) m,p-xylene               | 9.38 | 106 | 3766    | 0.136 ug/L   | 99     |

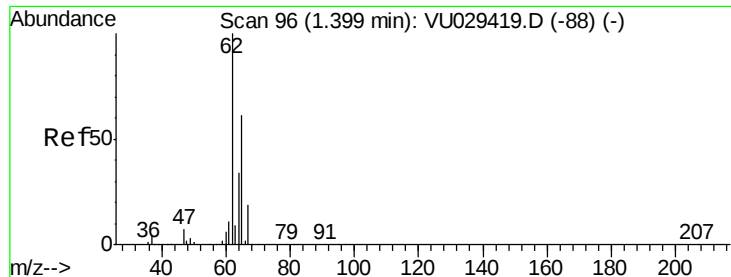
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU021219\  
Data File : VU029426.D  
Acq On : 12 Feb 2019 17:43  
Operator : JC/SP  
Sample : K1436-14  
Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
ESXA7

Quant Time: Feb 13 13:51:04 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR021219WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Wed Feb 13 03:26:10 2019  
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 14.179 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU029426.D

Acq: 12 Feb 2019 17:43

Instrument :

MSVOA\_U

ClientSampleId :

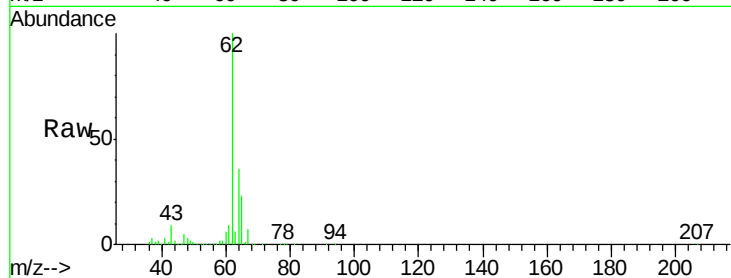
ESXA7

Tot Ion: 62 Resp: 274117

Ion Ratio Lower Upper

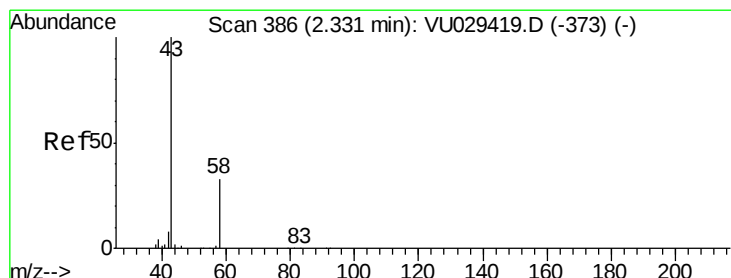
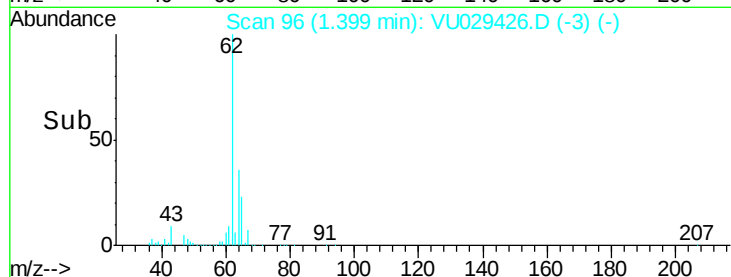
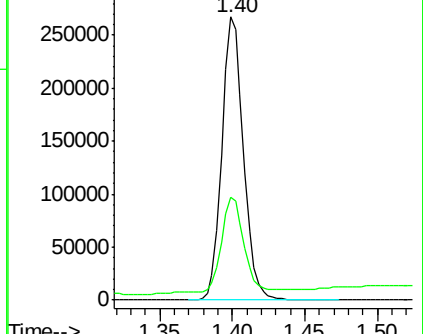
62 100

64 36.4 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#13

Acetone

Concen: 1.776 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.01 min

Lab File: VU029426.D

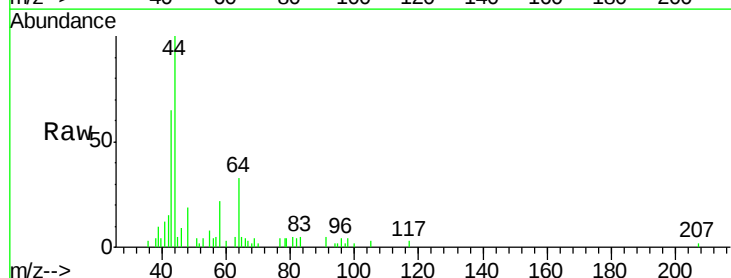
Acq: 12 Feb 2019 17:43

Tgt Ion: 43 Resp: 4524

Ion Ratio Lower Upper

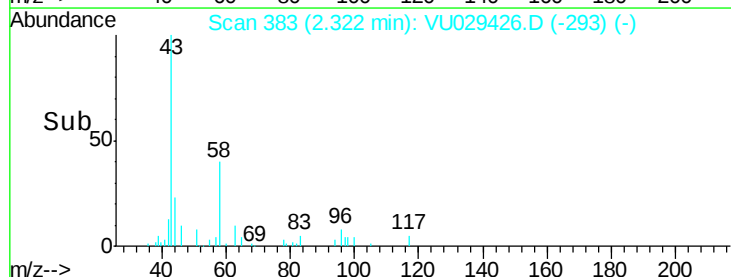
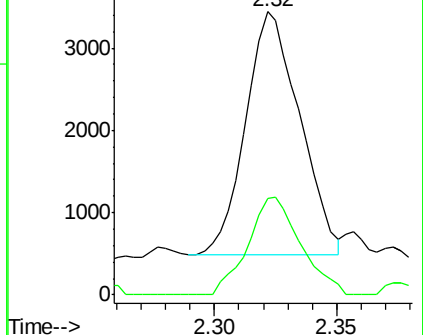
43 100

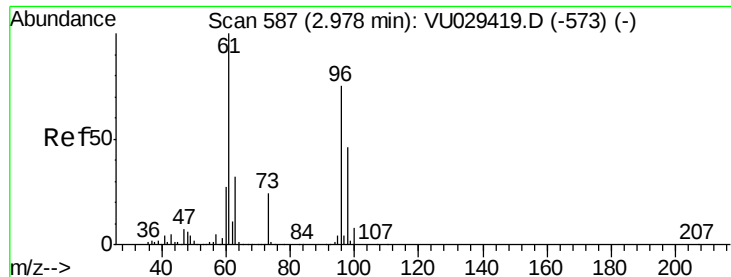
58 39.3 0.0 65.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0





#18

trans-1,2-Dichloroethene

Concen: 1.646 ug/L

RT: 2.98 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU029426.D

Acq: 12 Feb 2019 17:43

Instrument :

MSVOA\_U

ClientSampleId :

ESXA7

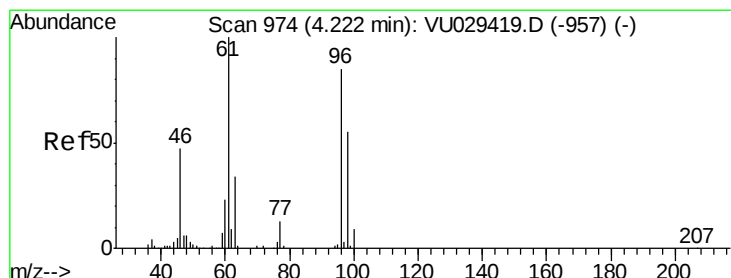
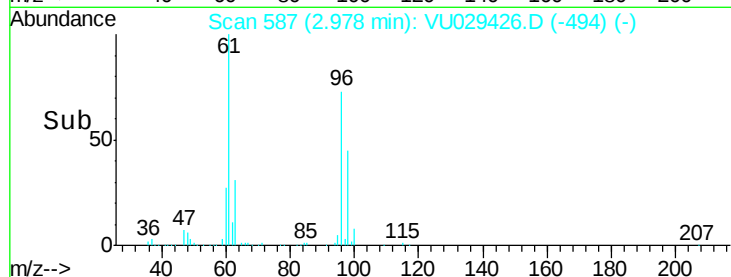
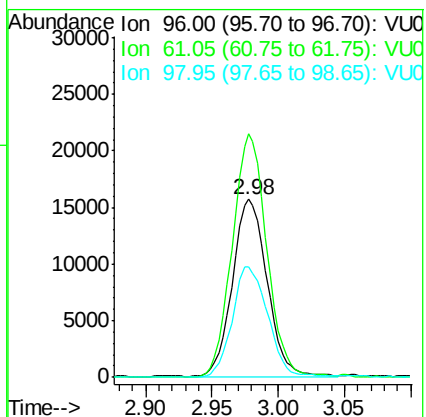
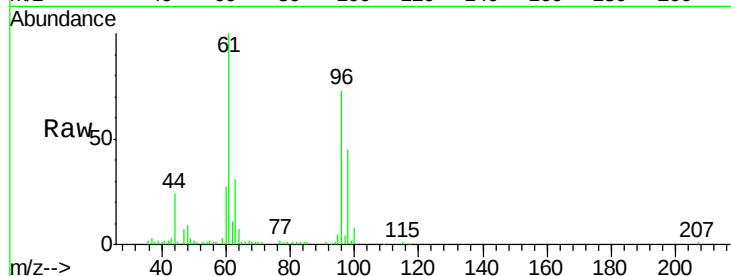
Tot Ion: 96 Resp: 28993

Ion Ratio Lower Upper

96 100

61 136.6 95.4 177.2

98 61.7 45.8 85.2



#22

cis-1,2-Dichloroethene

Concen: 104.287 ug/L

RT: 4.22 min Scan# 974

Delta R.T. -0.00 min

Lab File: VU029426.D

Acq: 12 Feb 2019 17:43

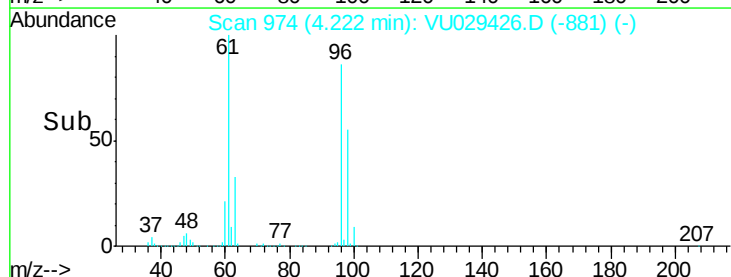
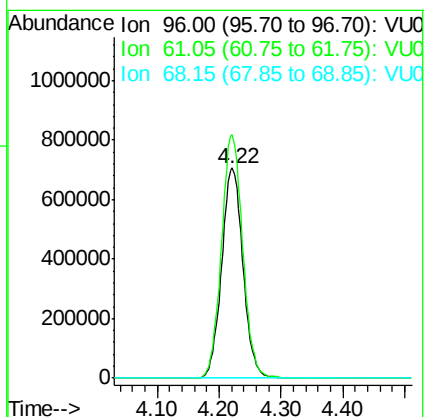
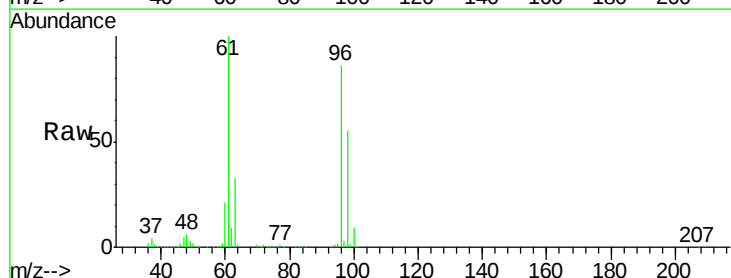
Tgt Ion: 96 Resp: 1689891

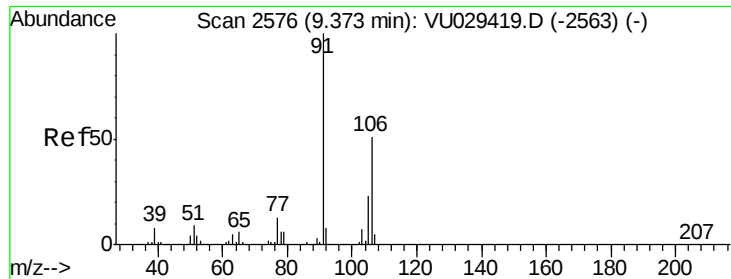
Ion Ratio Lower Upper

96 100

61 115.9 79.9 148.5

68 0.0 0.0 0.0





#53

m,p-xylene

Concen: 0.136 ug/L

RT: 9.38 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VU029426.D

Acq: 12 Feb 2019 17:43

Instrument :  
MSVOA\_U  
ClientSampleId :  
ESXA7

Tot Ion:106 Resp: 3766

Ion Ratio Lower Upper

106 100

91 192.8 135.7 251.9

