

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100919\  
 Data File : VU035003.D  
 Acq On : 09 Oct 2019 13:14  
 Operator : JC/SP  
 Sample : K5219-12  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 RB-1-190930-01

Quant Time: Oct 10 03:55:27 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR100719WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Oct 10 03:36:45 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.86  | 114  | 163924   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.07  | 117  | 171346   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.47 | 152  | 71757    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39   | 65    | 39098    | 4.04     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 80.80%  |
| 7) Chloroethane-d5             | 1.67   | 69    | 39613    | 4.38     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 87.60%  |
| 11) 1,1-Dichloroethene-d2      | 2.26   | 63    | 58831    | 2.88     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 57.60%# |
| 20) 2-Butanone-d5              | 4.17   | 46    | 146000   | 51.16    | ug/L | -0.01   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 102.32% |
| 24) Chloroform-d               | 4.62   | 84    | 85403    | 4.71     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 94.20%  |
| 26) 1,2-Dichloroethane-d4      | 5.29   | 65    | 51344    | 4.73     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 94.60%  |
| 32) Benzene-d6                 | 5.32   | 84    | 172384   | 4.29     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 85.80%  |
| 36) 1,2-Dichloropropane-d6     | 6.31   | 67    | 61399    | 4.57     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 91.40%  |
| 41) Toluene-d8                 | 7.55   | 98    | 154500   | 3.98     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 79.60%  |
| 43) trans-1,3-Dichloropropene- | 7.84   | 79    | 17705    | 3.66     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 73.20%  |
| 46) 2-Hexanone-d5              | 8.30   | 63    | 107855   | 46.91    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 93.82%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.41  | 84    | 53778    | 4.75     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 95.00%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.84  | 152   | 59874    | 4.95     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 99.00%  |

## Target Compounds

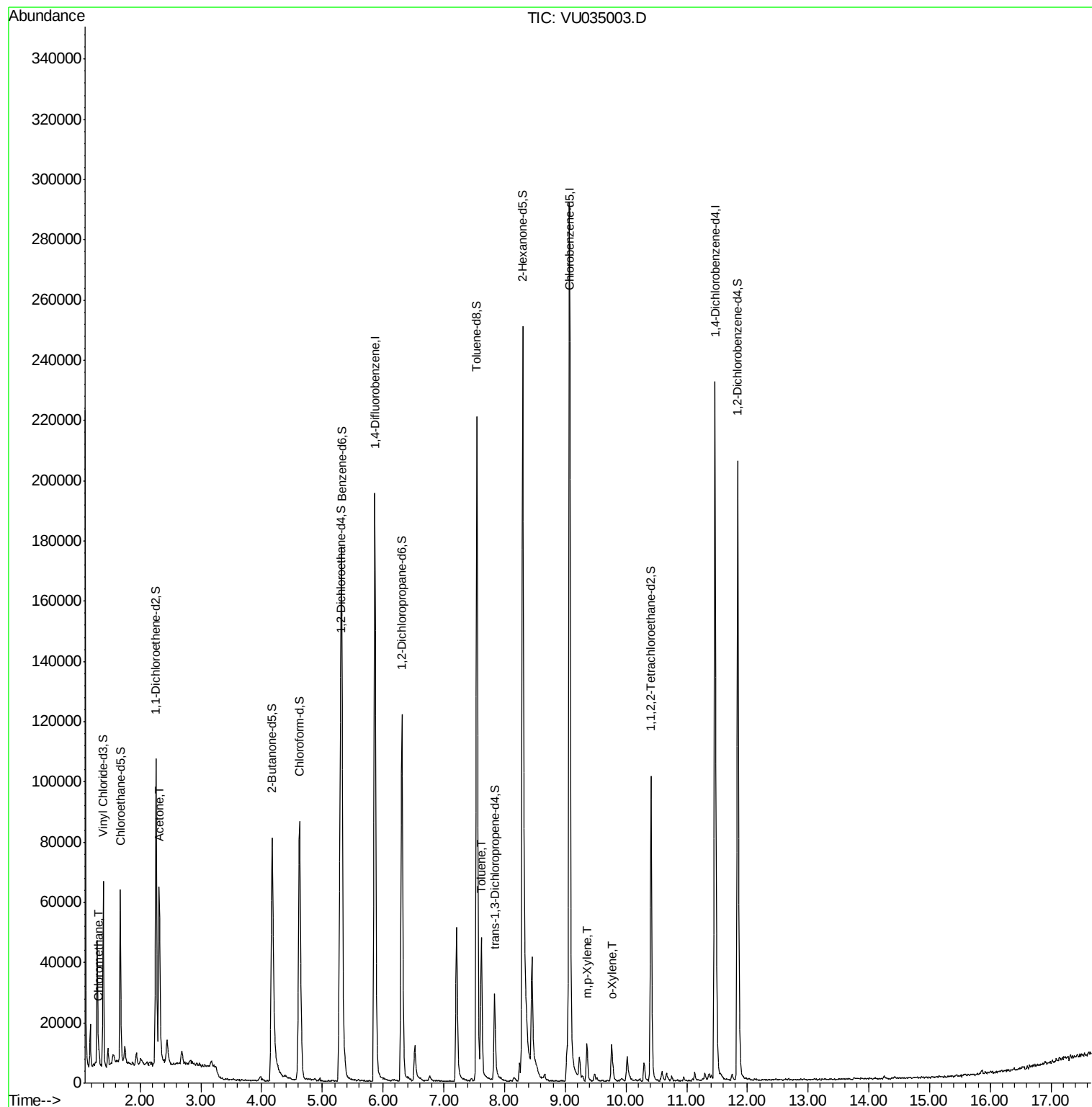
|                  |      |     |       |        | Ovalue  |
|------------------|------|-----|-------|--------|---------|
| 3) Chloromethane | 1.32 | 50  | 2371  | 0.144  | ug/L 99 |
| 13) Acetone      | 2.32 | 43  | 69019 | 29.532 | ug/L 96 |
| 42) Toluene      | 7.62 | 91  | 35965 | 0.668  | ug/L 94 |
| 53) m,p-Xylene   | 9.36 | 106 | 3959  | 0.180  | ug/L 81 |
| 54) o-Xylene     | 9.76 | 106 | 3060  | 0.142  | ug/L 97 |

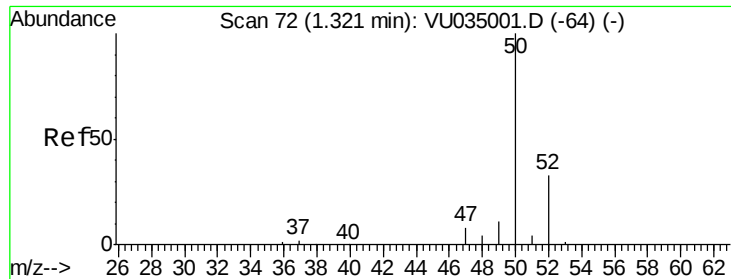
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU100919\  
Data File : VU035003.D  
Acq On : 09 Oct 2019 13:14  
Operator : JC/SP  
Sample : K5219-12  
Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
RB-1-190930-01

Quant Time: Oct 10 03:55:27 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR100719WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Thu Oct 10 03:36:45 2019  
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.144 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU035003.D

Acq: 09 Oct 2019 13:14

Instrument :

MSVOA\_U

ClientSampleId :

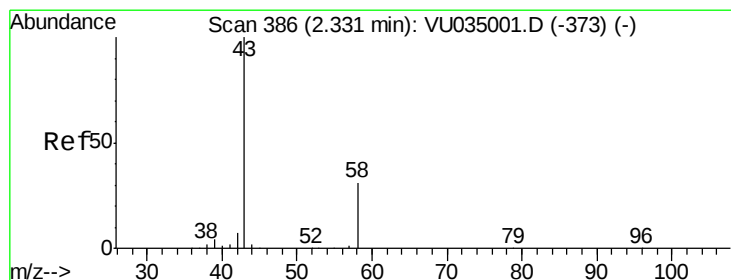
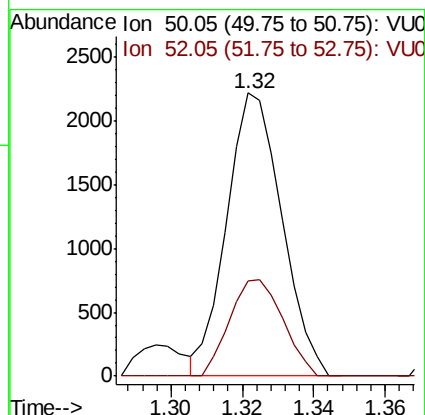
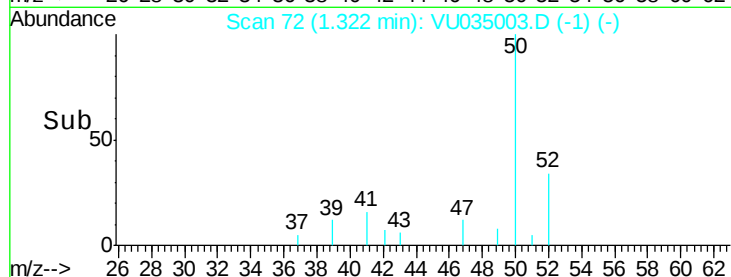
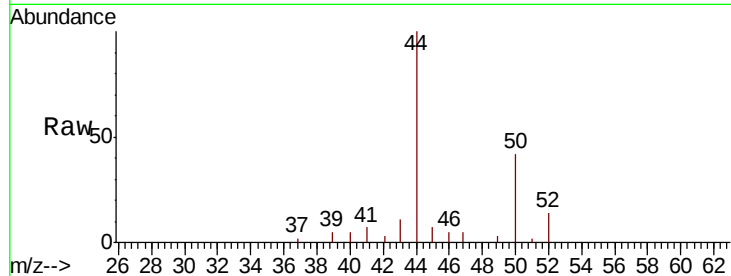
RB-1-190930-01

Tot Ion: 50 Resp: 2371

Ion Ratio Lower Upper

50 100

52 33.7 23.3 43.3



#13

Acetone

Concen: 29.532 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.02 min

Lab File: VU035003.D

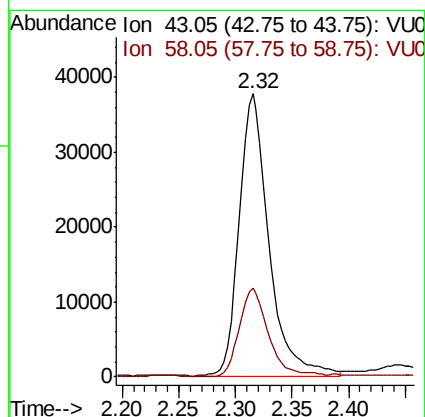
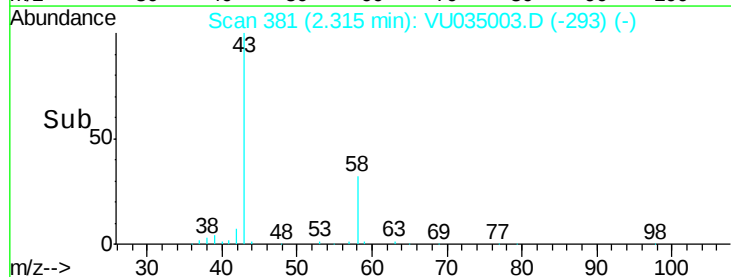
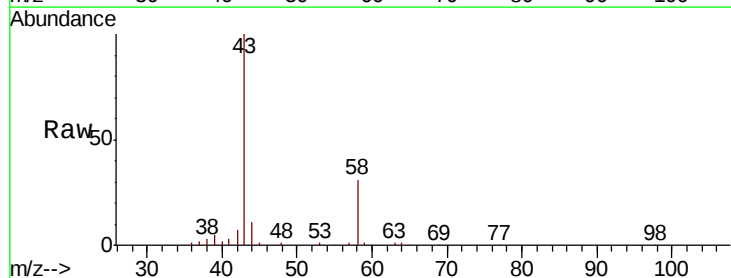
Acq: 09 Oct 2019 13:14

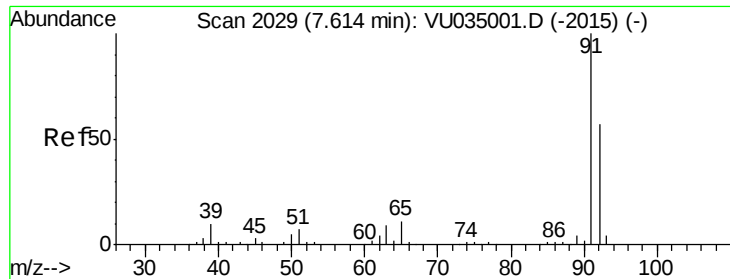
Tgt Ion: 43 Resp: 69019

Ion Ratio Lower Upper

43 100

58 31.0 0.0 66.6





#42

Toluene

Concen: 0.668 ug/L

RT: 7.62 min Scan# 2031

Delta R.T. 0.01 min

Lab File: VU035003.D

Acq: 09 Oct 2019 13:14

Instrument :

MSVOA\_U

ClientSampleId :

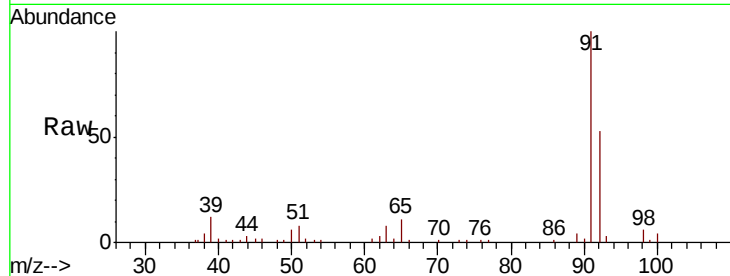
RB-1-190930-01

Tot Ion: 91 Resp: 35965

Ion Ratio Lower Upper

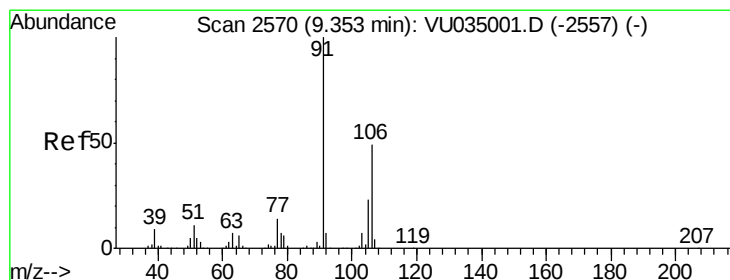
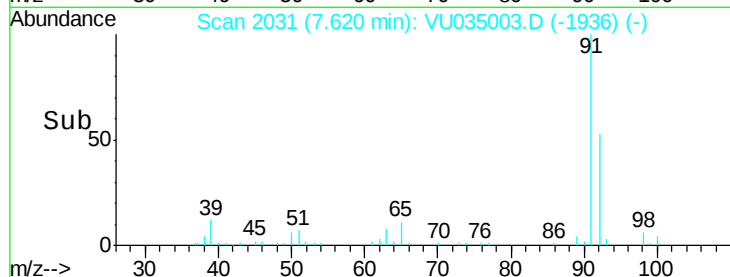
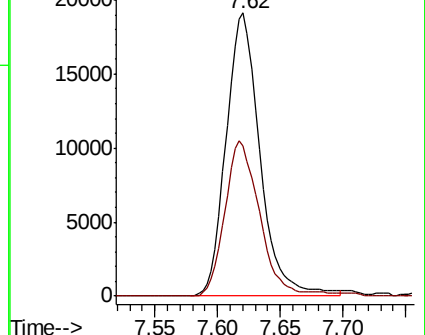
91 100

92 52.9 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU035001.D (-2015) (-)

Ion 92.15 (91.85 to 92.85): VU035003.D (-2477) (-)



#53

m,p-Xylene

Concen: 0.180 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU035003.D

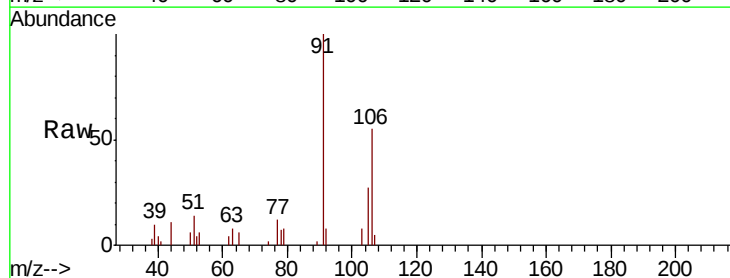
Acq: 09 Oct 2019 13:14

Tgt Ion: 106 Resp: 3959

Ion Ratio Lower Upper

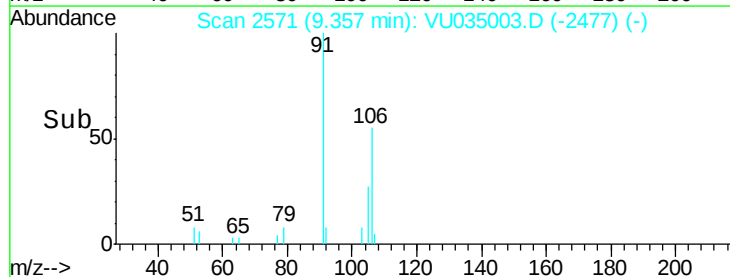
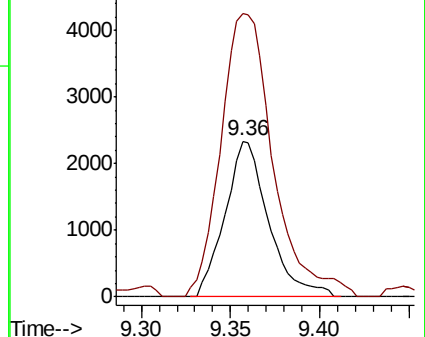
106 100

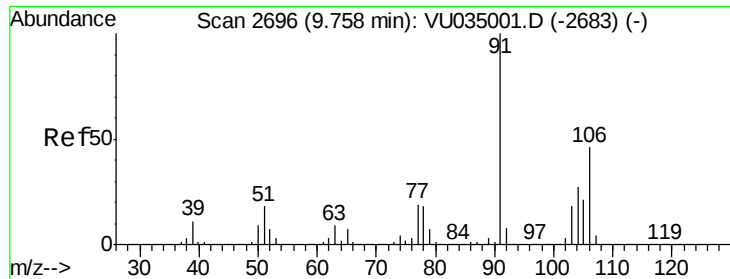
91 181.5 147.6 274.0



Abundance Ion 106.15 (105.85 to 106.85): VU035001.D (-2557) (-)

Ion 91.15 (90.85 to 91.85): VU035003.D (-2477) (-)





#54  
 o-Xylene  
 Concen: 0.142 ug/L  
 RT: 9.76 min Scan# 2697  
 Delta R.T. 0.00 min  
 Lab File: VU035003.D  
 Acq: 09 Oct 2019 13:14

Instrument :  
 MSVOA\_U  
 ClientSampleID :  
 RB-1-190930-01

Tot Ion:106 Resp: 3060  
 Ion Ratio Lower Upper  
 106 100  
 91 206.9 148.5 275.7

