

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062420\  
 Data File : VU039090.D  
 Acq On : 25 Jun 2020 02:59  
 Operator : SY/MD  
 Sample : L3110-06  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 F9F21

Quant Time: Jun 25 04:08:15 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR062320WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Jun 25 02:33:05 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 261089   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 262978   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.82 | 152  | 107816   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 94867    | 4.96     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 99.20%  |
| 7) Chloroethane-d5             | 1.93   | 69    | 87560    | 5.54     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 110.80% |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 140145   | 3.81     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 76.20%  |
| 20) 2-Butanone-d5              | 4.67   | 46    | 404556   | 58.63    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 117.26% |
| 24) Chloroform-d               | 5.10   | 84    | 198990   | 5.29     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 105.80% |
| 26) 1,2-Dichloroethane-d4      | 5.74   | 65    | 123464   | 5.34     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 106.80% |
| 32) Benzene-d6                 | 5.76   | 84    | 383885   | 5.26     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 105.20% |
| 36) 1,2-Dichloropropane-d6     | 6.72   | 67    | 129955   | 5.30     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 106.00% |
| 41) Toluene-d8                 | 7.92   | 98    | 295359   | 4.84     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 96.80%  |
| 43) trans-1,3-Dichloropropene- | 8.20   | 79    | 51708    | 4.85     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 97.00%  |
| 46) 2-Hexanone-d5              | 8.65   | 63    | 315592   | 57.41    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 114.82% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77  | 84    | 119718   | 5.26     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 105.20% |
| 64) 1,2-Dichlorobenzene-d4     | 12.20  | 152   | 118331   | 5.89     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 117.80% |

## Target Compounds

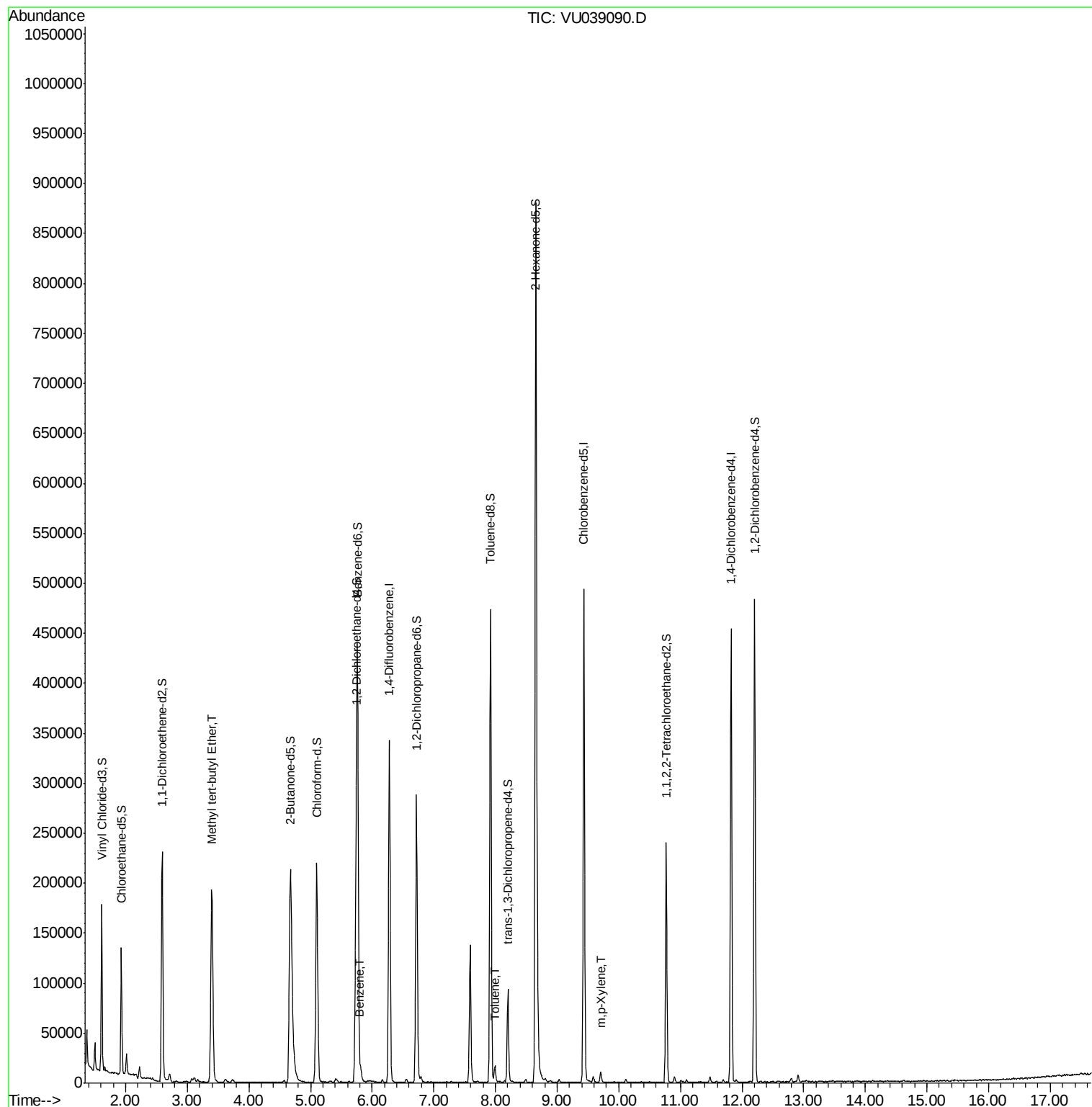
|                             |      |     |        |            | Ovalue |
|-----------------------------|------|-----|--------|------------|--------|
| 17) Methyl tert-butyl Ether | 3.40 | 73  | 202156 | 3.927 ug/L | 97     |
| 33) Benzene                 | 5.81 | 78  | 11076  | 0.134 ug/L | 100    |
| 42) Toluene                 | 7.99 | 91  | 11331  | 0.138 ug/L | 99     |
| 53) m,p-Xylene              | 9.71 | 106 | 3028   | 0.096 ug/L | 84     |

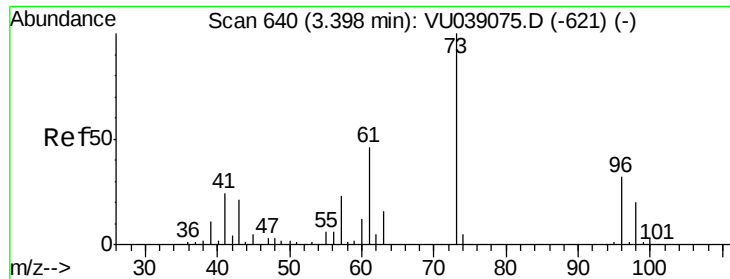
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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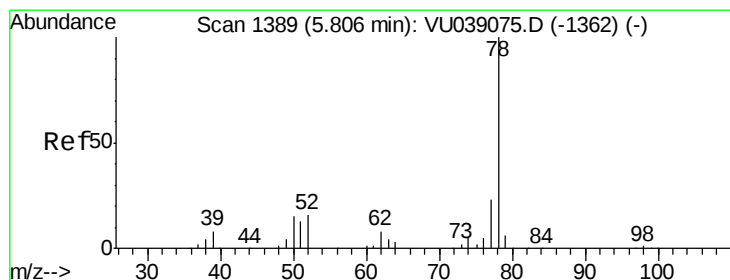
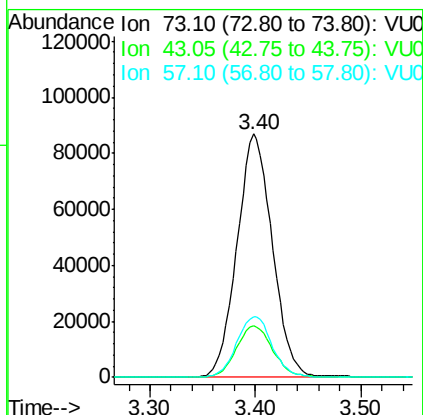
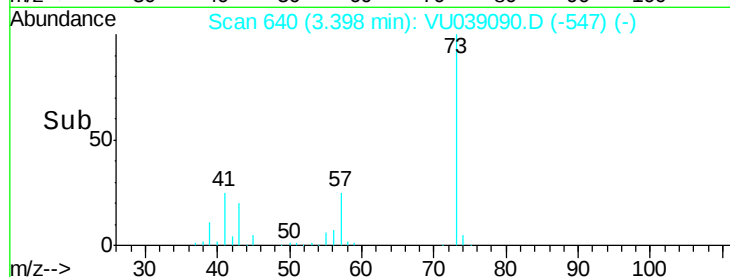
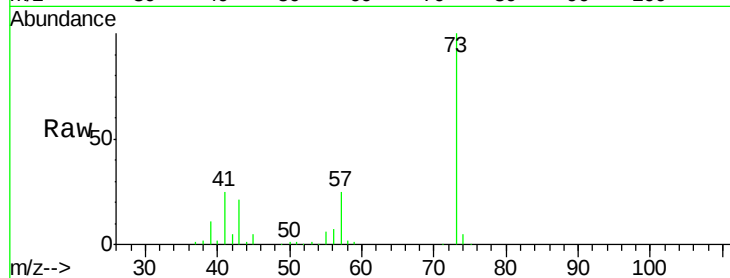




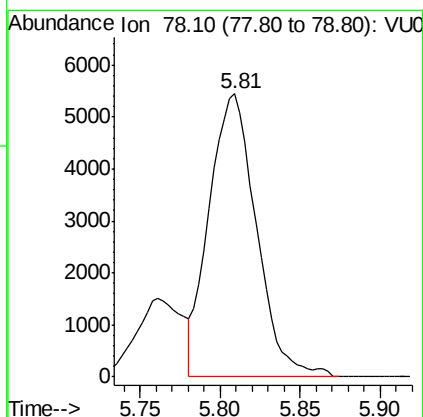
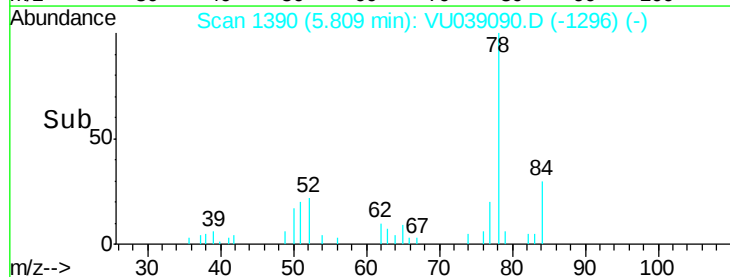
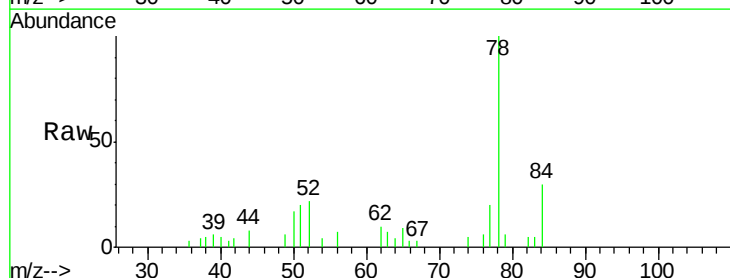
#17  
Methvl tert-butvl Ether  
Concen: 3.927 ug/L  
RT: 3.40 min Scan# 640  
Delta R.T. -0.00 min  
Lab File: VU039090.D  
Acq: 25 Jun 2020 02:59

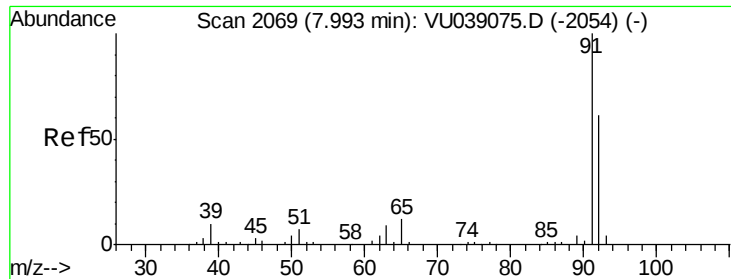
Instrument :  
MSVOA\_U  
ClientSampleId :  
F9F21

Tot Ion: 73 Resp: 202156  
Ion Ratio Lower Upper  
73 100  
43 21.5 16.6 24.8  
57 25.1 18.2 27.4



#33  
Benzene  
Concen: 0.134 ug/L  
RT: 5.81 min Scan# 1390  
Delta R.T. 0.00 min  
Lab File: VU039090.D  
Acq: 25 Jun 2020 02:59  
Tgt Ion: 78 Resp: 11076





#42

Toluene

Concen: 0.138 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU039090.D

Acq: 25 Jun 2020 02:59

Instrument :

MSVOA\_U

ClientSampleId :

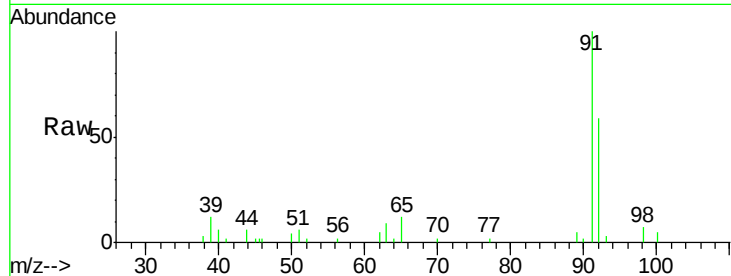
F9F21

Tot Ion: 91 Resp: 11331

Ion Ratio Lower Upper

91 100

92 59.2 42.1 78.1



Abundance Ion 91.15 (90.85 to 91.85): VU039075.D (-2054) (-)

Ion 92.15 (91.85 to 92.85): VU039075.D (-2054) (-)

7.99

6000

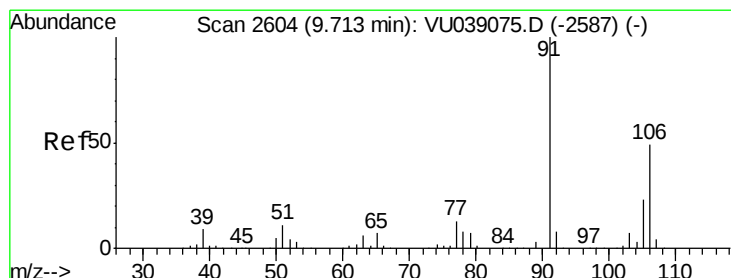
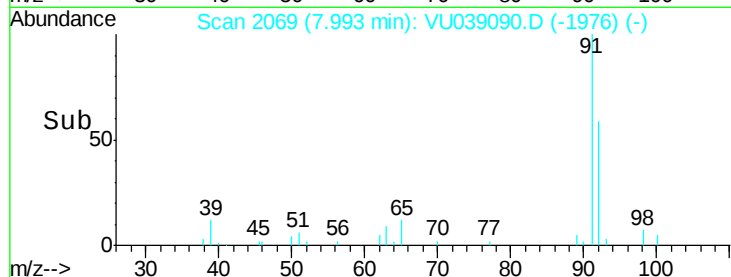
4000

2000

0

Time-->

7.95 8.00 8.05



#53

m,p-Xylene

Concen: 0.096 ug/L

RT: 9.71 min Scan# 2602

Delta R.T. -0.01 min

Lab File: VU039090.D

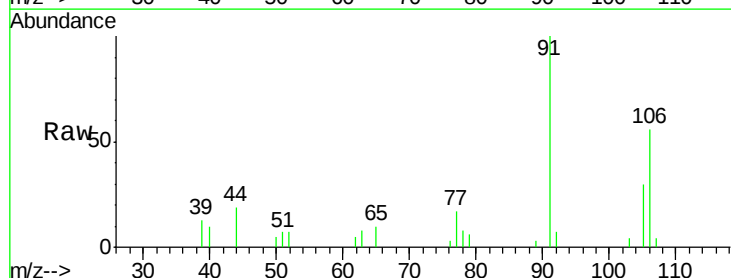
Acq: 25 Jun 2020 02:59

Tgt Ion: 106 Resp: 3028

Ion Ratio Lower Upper

106 100

91 179.9 143.6 266.8



Abundance Ion 106.15 (105.85 to 106.85): VU039075.D (-2587) (-)

Ion 91.15 (90.85 to 91.85): VU039075.D (-2587) (-)

9.71

4000

3000

2000

1000

0

Time-->

9.65 9.70 9.75

