

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101720\  
 Data File : VU040784.D  
 Acq On : 18 Oct 2020 00:18  
 Operator : SY/MD  
 Sample : L4354-16MS  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 ETZ35MS

Quant Time: Oct 19 05:17:21 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR100820WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Mon Oct 19 03:08:11 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.26  | 114  | 113770   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 117894   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 46593    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 34290    | 3.64     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 72.80%  |
| 7) Chloroethane-d5             | 1.93   | 69    | 33471    | 4.60     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 92.00%  |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 76921    | 4.17     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 83.40%  |
| 20) 2-Butanone-d5              | 4.66   | 46    | 180758   | 59.92    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 119.84% |
| 24) Chloroform-d               | 5.08   | 84    | 79027    | 4.78     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 95.60%  |
| 26) 1,2-Dichloroethane-d4      | 5.72   | 65    | 52509    | 5.21     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 104.20% |
| 32) Benzene-d6                 | 5.74   | 84    | 142935   | 4.50     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 90.00%  |
| 36) 1,2-Dichloropropane-d6     | 6.70   | 67    | 50207    | 4.76     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 95.20%  |
| 41) Toluene-d8                 | 7.91   | 98    | 107320   | 3.77     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 75.40%  |
| 43) trans-1,3-Dichloropropene- | 8.19   | 79    | 18954    | 4.24     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 84.80%  |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 118101   | 51.25    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 102.50% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75  | 84    | 49375    | 5.21     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 104.20% |
| 64) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 46832    | 5.42     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 108.40% |

## Target Compounds

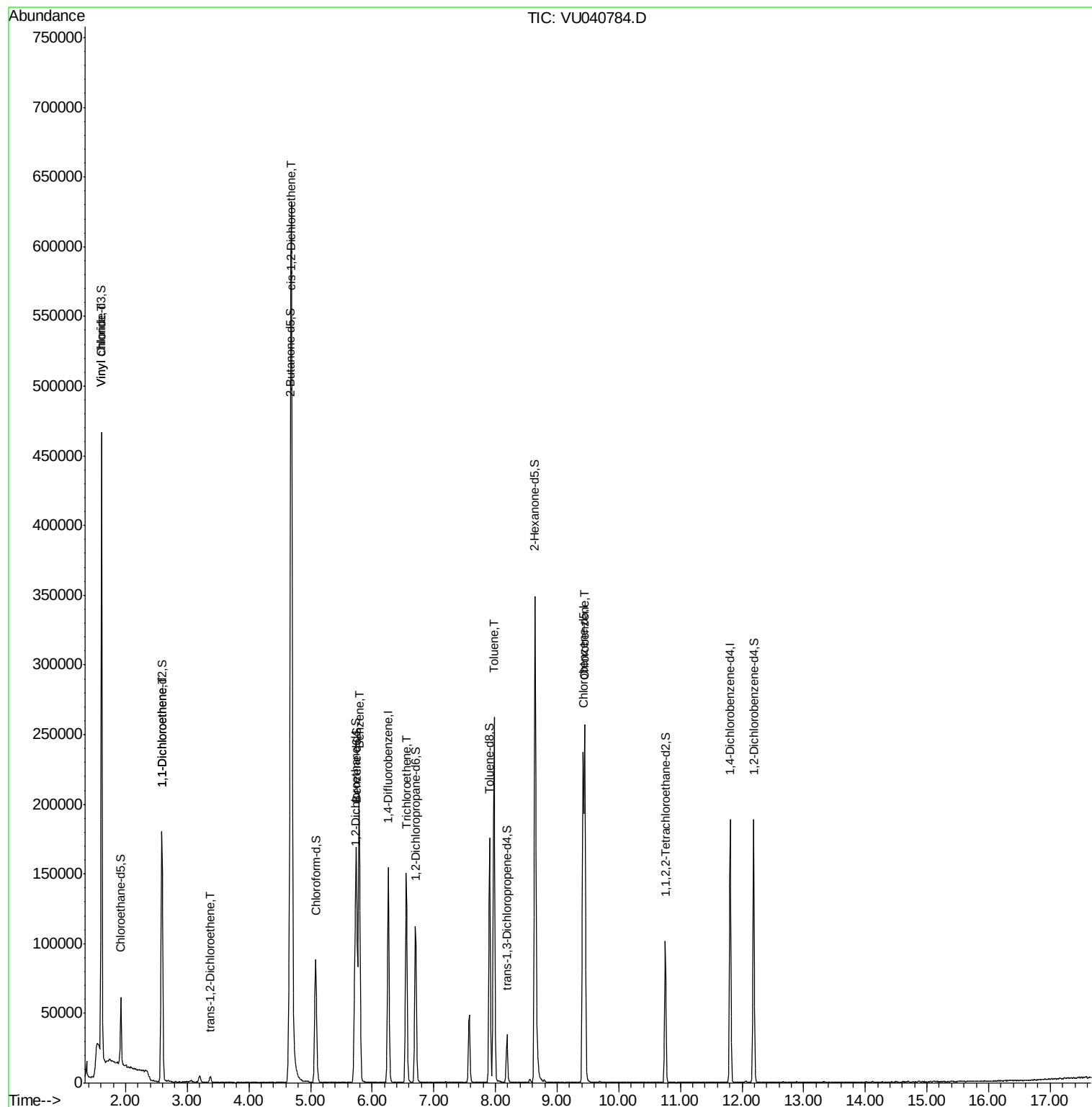
|                              |      |     |        |             | Ovalue |
|------------------------------|------|-----|--------|-------------|--------|
| 5) Vinyl chloride            | 1.61 | 62  | 262506 | 25.858 ug/L | 96     |
| 12) 1,1-Dichloroethene       | 2.59 | 96  | 42270  | 5.207 ug/L  | 98     |
| 18) trans-1,2-Dichloroethene | 3.38 | 96  | 1426   | 0.168 ug/L  | 93     |
| 22) cis-1,2-Dichloroethene   | 4.69 | 96  | 289040 | 31.542 ug/L | 95     |
| 33) Benzene                  | 5.79 | 78  | 186988 | 4.937 ug/L  | 100    |
| 34) Trichloroethene          | 6.56 | 95  | 49473  | 5.039 ug/L  | 97     |
| 42) Toluene                  | 7.98 | 91  | 179811 | 4.659 ug/L  | 99     |
| 51) Chlorobenzene            | 9.45 | 112 | 125951 | 4.954 ug/L  | 97     |

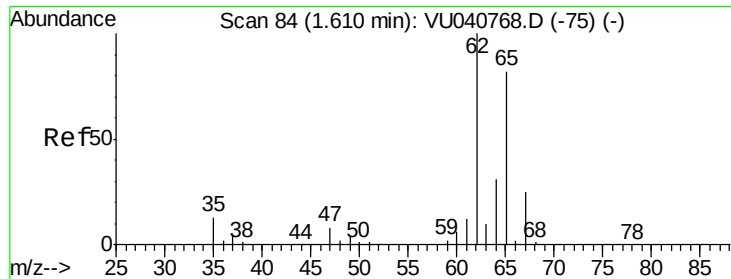
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Oct 19 03:08:11 2020  
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 25.858 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040784.D

Acq: 18 Oct 2020 00:18

Instrument :

MSVOA\_U

ClientSampled :

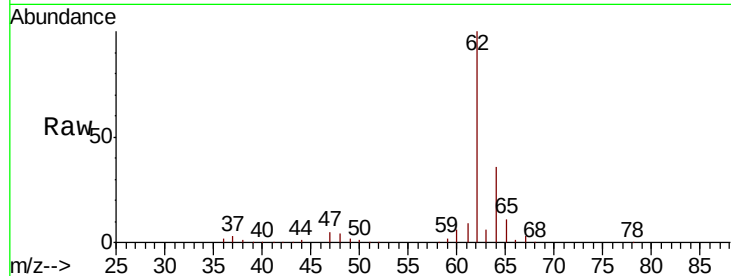
ETZ35MS

Tot Ion: 62 Resp: 262506

Ion Ratio Lower Upper

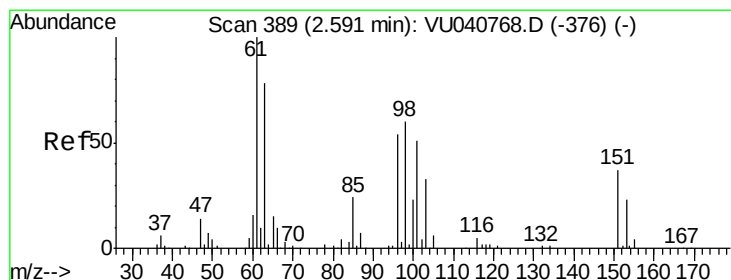
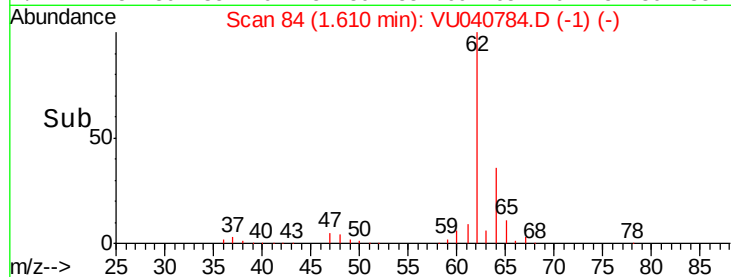
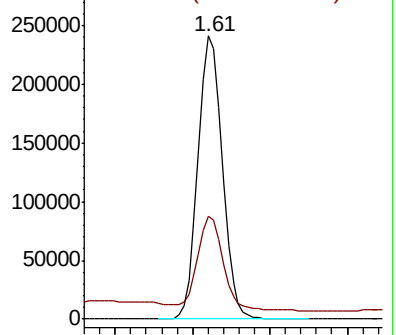
62 100

64 36.3 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#12

1,1-Dichloroethene

Concen: 5.207 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040784.D

Acq: 18 Oct 2020 00:18

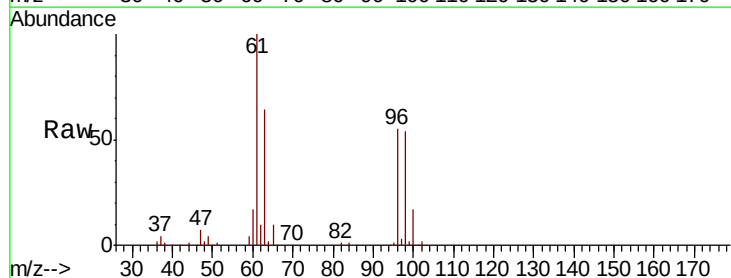
Tgt Ion: 96 Resp: 42270

Ion Ratio Lower Upper

96 100

61 183.4 128.8 239.2

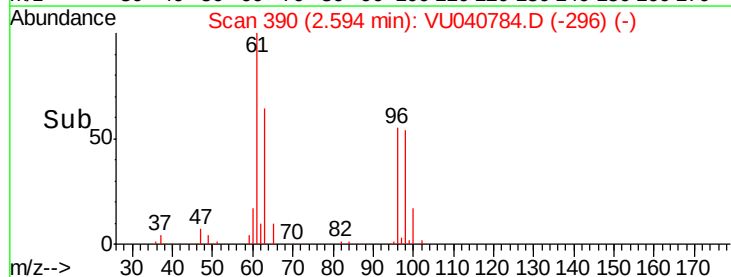
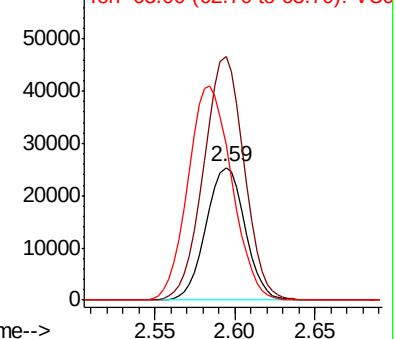
63 117.2 84.6 157.2

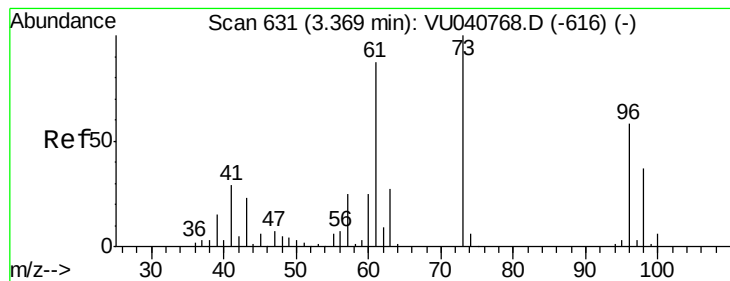


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#18

trans-1,2-Dichloroethene

Concen: 0.168 ug/L

RT: 3.38 min Scan# 633

Delta R.T. 0.01 min

Lab File: VU040784.D

Acq: 18 Oct 2020 00:18

Instrument :

MSVOA\_U

ClientSampleId :

ETZ35MS

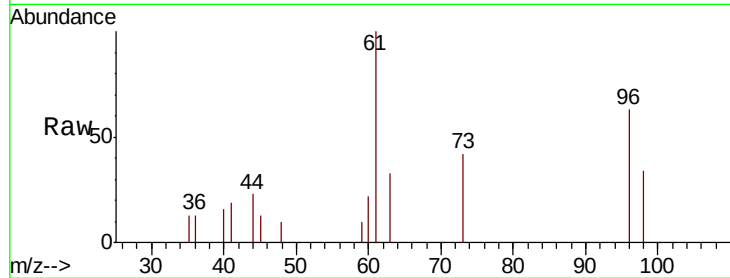
Tot Ion: 96 Resp: 1426

Ion Ratio Lower Upper

96 100

61 158.6 105.9 196.7

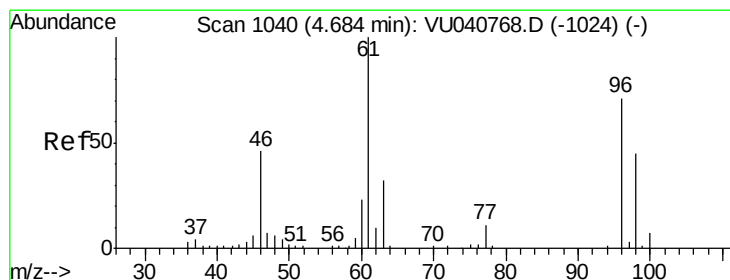
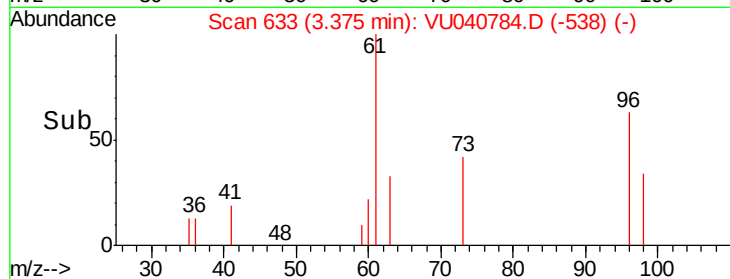
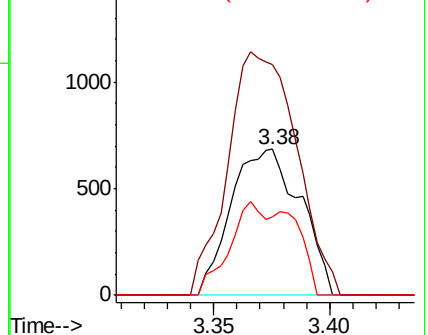
98 54.1 43.8 81.3



Abundance Ion 96.00 (95.70 to 96.70): VU040784.D (-538) (-)

Ion 61.05 (60.75 to 61.75): VU040784.D (-538) (-)

Ion 97.95 (97.65 to 98.65): VU040784.D (-538) (-)



#22

cis-1,2-Dichloroethene

Concen: 31.542 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040784.D

Acq: 18 Oct 2020 00:18

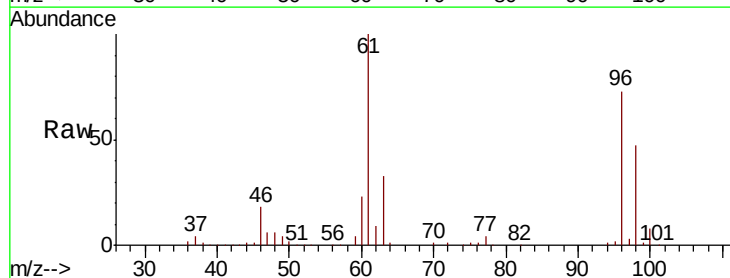
Tgt Ion: 96 Resp: 289040

Ion Ratio Lower Upper

96 100

61 136.4 99.8 185.4

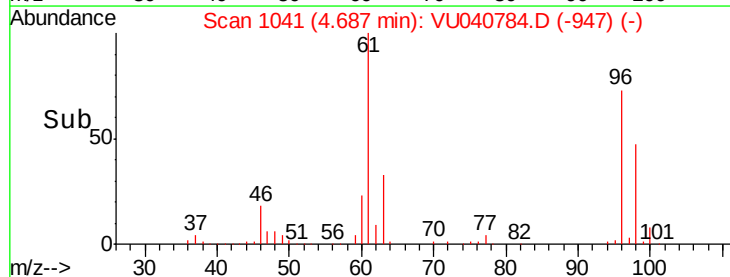
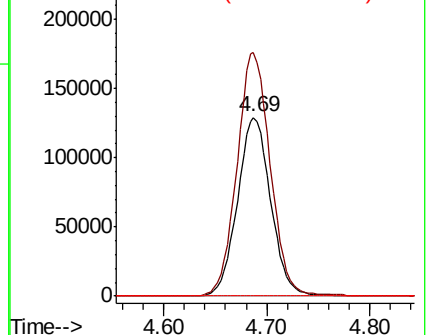
68 0.0 0.0 0.0

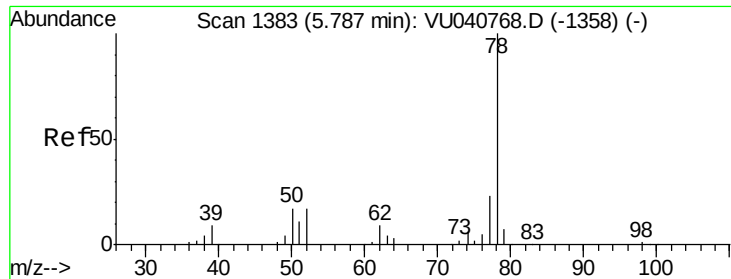


Abundance Ion 96.00 (95.70 to 96.70): VU040784.D (-947) (-)

Ion 61.05 (60.75 to 61.75): VU040784.D (-947) (-)

Ion 68.15 (67.85 to 68.85): VU040784.D (-947) (-)





#33

Benzene

Concen: 4.937 ug/L

RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

Lab File: VU040784.D

Acq: 18 Oct 2020 00:18

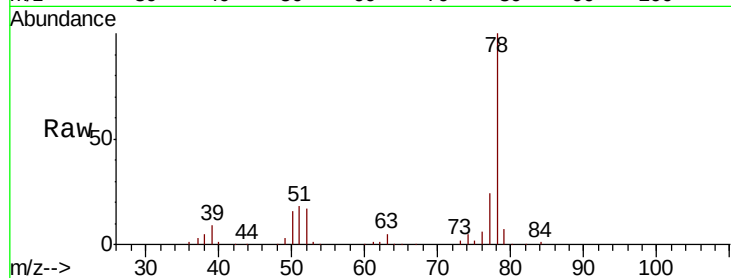
Instrument :

MSVOA\_U

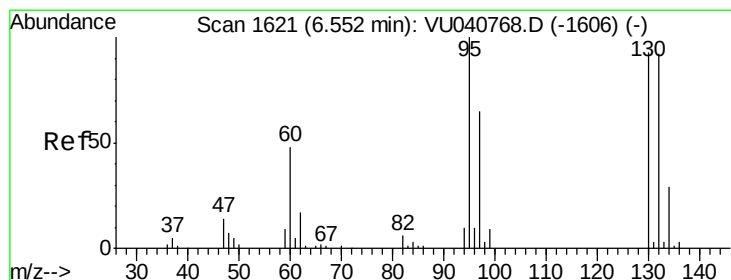
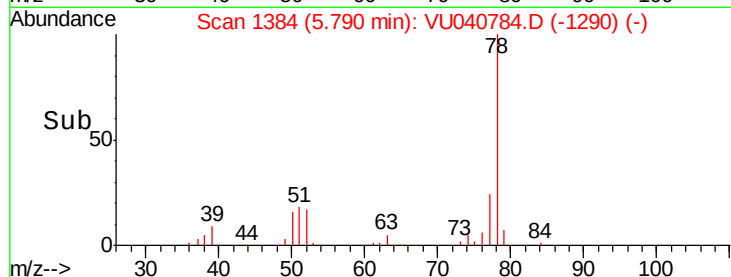
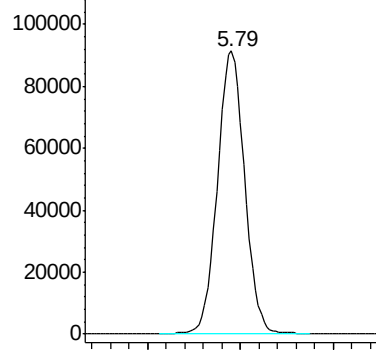
ClientSampleId :

ETZ35MS

Tgt Ion: 78 Resp: 186988



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 5.039 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040784.D

Acq: 18 Oct 2020 00:18

Tgt Ion: 95 Resp: 49473

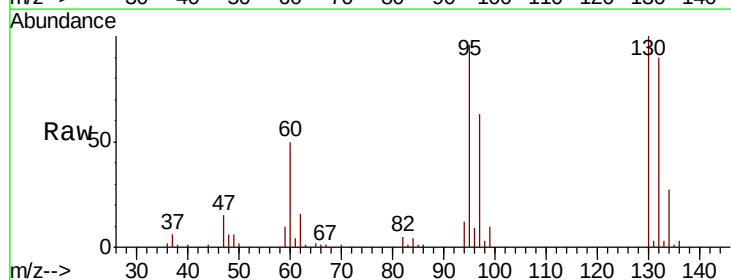
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 65.1  | 45.5  | 84.5  |
| 132 | 93.6  | 67.5  | 125.4 |
| 130 | 104.0 | 69.9  | 129.9 |

95 100

97 65.1 45.5 84.5

132 93.6 67.5 125.4

130 104.0 69.9 129.9

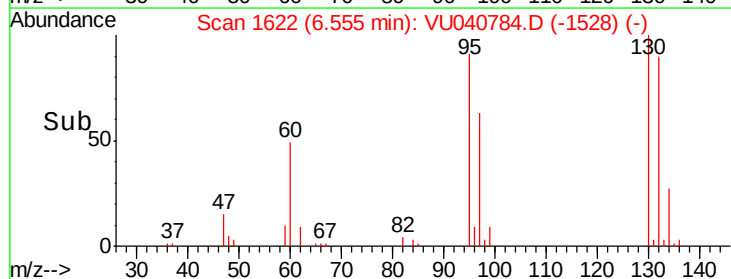
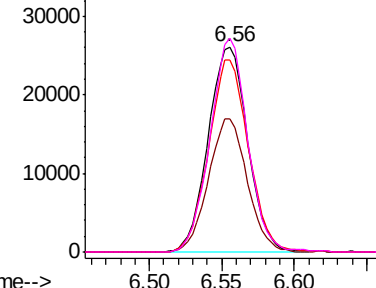


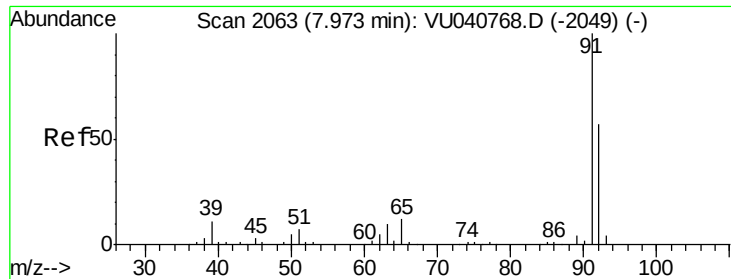
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V





#42

Toluene

Concen: 4.659 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040784.D

Acq: 18 Oct 2020 00:18

Instrument :

MSVOA\_U

ClientSampleId :

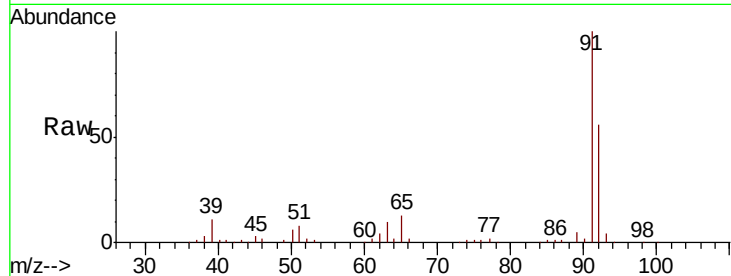
ETZ35MS

Tot Ion: 91 Resp: 179811

Ion Ratio Lower Upper

91 100

92 56.4 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VU040768.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU040768.D (-2049) (-)

7.98

120000

100000

80000

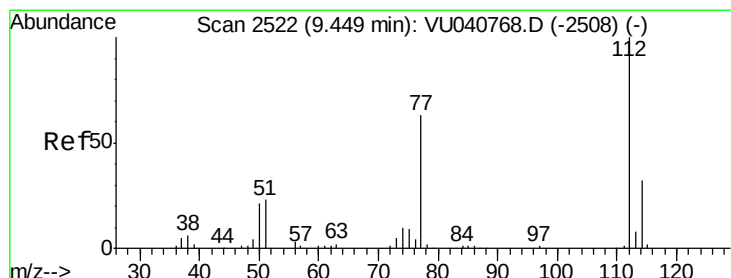
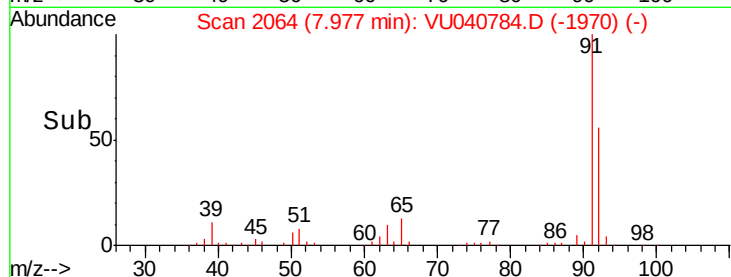
60000

40000

20000

0

Time-->



#51

Chlorobenzene

Concen: 4.954 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. -0.00 min

Lab File: VU040784.D

Acq: 18 Oct 2020 00:18

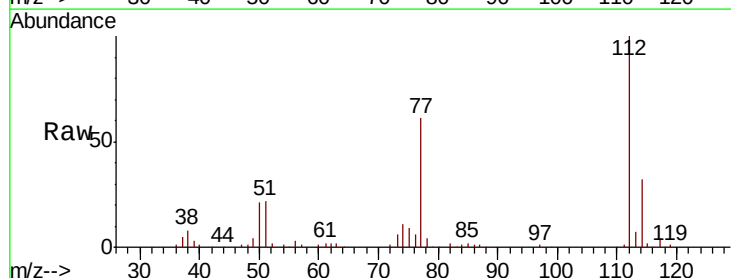
Tgt Ion: 112 Resp: 125951

Ion Ratio Lower Upper

112 100

114 31.6 23.1 42.9

77 61.0 50.3 75.5



Abundance Ion 112.10 (111.80 to 112.80): VU040768.D (-2508) (-)

Ion 114.05 (113.75 to 114.75): VU040768.D (-2508) (-)

Ion 77.10 (76.80 to 77.80): VU040768.D (-2508) (-)

9.45

100000

80000

60000

40000

20000

0

Time-->

