

Data File : VU036864.D  
Acq On : 20 Feb 2020 12:41  
Operator : JC/MD  
Sample : L1580-06DL 10X  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
DBDJ7DL

Quant Time: Feb 21 00:51:47 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR021220WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Feb 21 00:49:14 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.29  | 114  | 136514   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 131140   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 62516    | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 47911    | 4.08     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 81.60%  |
| 7) Chloroethane-d5             | 1.93   | 69    | 45306    | 4.45     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 89.00%  |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 65866    | 3.36     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 67.20%  |
| 20) 2-Butanone-d5              | 4.68   | 46    | 127522   | 51.80    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 103.60% |
| 24) Chloroform-d               | 5.11   | 84    | 81738    | 4.51     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 90.20%  |
| 26) 1,2-Dichloroethane-d4      | 5.74   | 65    | 47397    | 4.57     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 91.40%  |
| 32) Benzene-d6                 | 5.76   | 84    | 183119   | 4.59     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 91.80%  |
| 36) 1,2-Dichloropropane-d6     | 6.73   | 67    | 58262    | 4.61     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 92.20%  |
| 41) Toluene-d8                 | 7.93   | 98    | 162764   | 4.39     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 87.80%  |
| 43) trans-1,3-Dichloropropene- | 8.20   | 79    | 20740    | 4.22     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 84.40%  |
| 46) 2-Hexanone-d5              | 8.66   | 63    | 106161   | 47.26    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 94.52%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.78  | 84    | 43529    | 4.36     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 87.20%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.21  | 152   | 55317    | 4.43     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 88.60%  |

#### Target Compounds

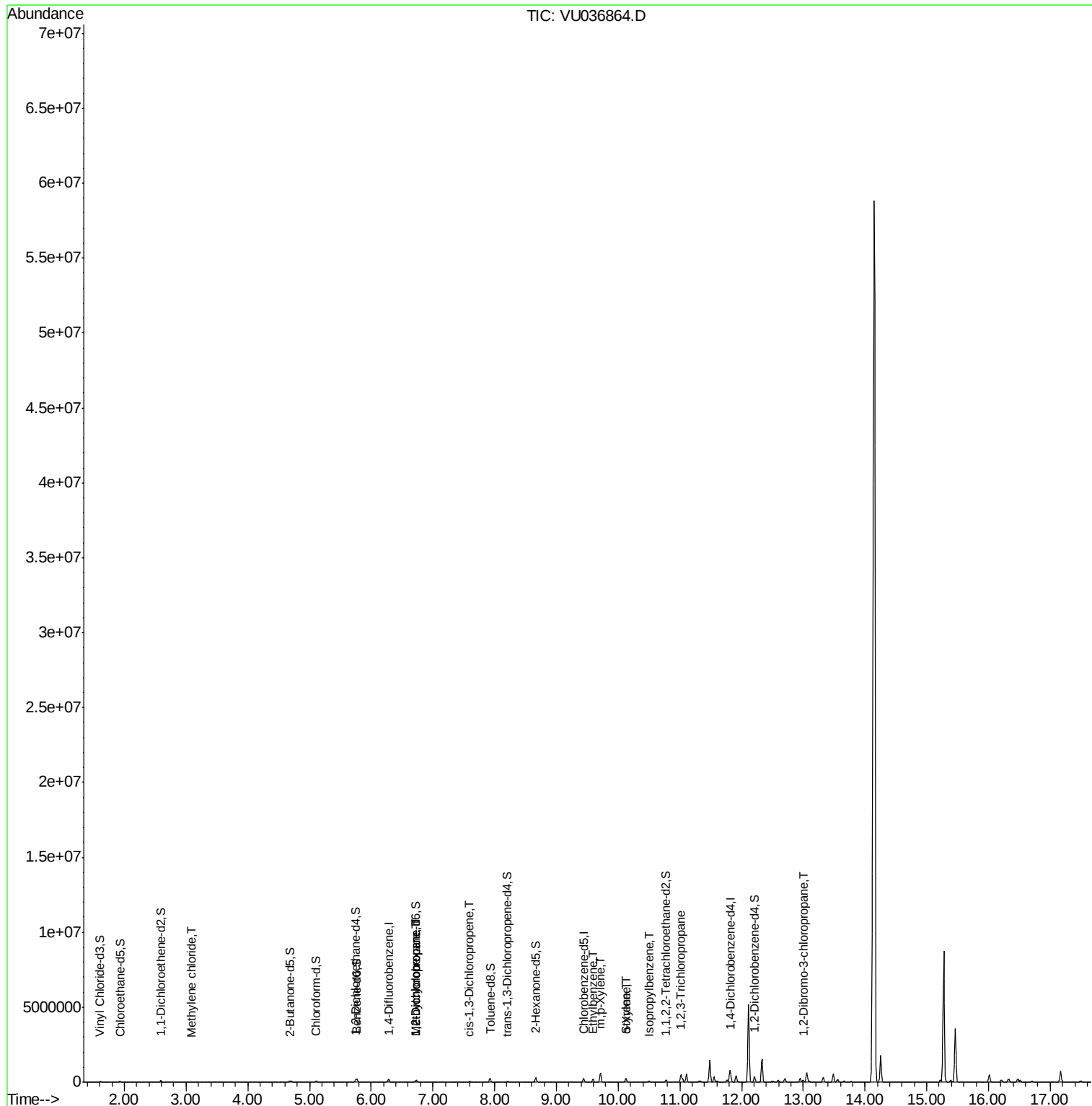
|                                |       |     |        |              | Qvalue |
|--------------------------------|-------|-----|--------|--------------|--------|
| 16) Methylene chloride         | 3.08  | 84  | 3760   | 0.269 ug/L   | 94     |
| 35) Methylcyclohexane          | 6.73  | 83  | 12643  | 0.773 ug/L # | 19     |
| 37) 1,2-Dichloropropane        | 6.73  | 63  | 6351   | 0.575 ug/L # | 89     |
| 39) cis-1,3-Dichloropropene    | 7.59  | 75  | 1339   | 0.084 ug/L # | 74     |
| 52) Ethylbenzene               | 9.59  | 91  | 146017 | 3.009 ug/L   | 100    |
| 53) m,p-Xylene                 | 9.71  | 106 | 156934 | 8.789 ug/L   | 95     |
| 54) o-Xylene                   | 10.12 | 106 | 54578  | 3.113 ug/L   | 98     |
| 55) Styrene                    | 10.13 | 104 | 35035  | 1.185 ug/L   | 88     |
| 56) Isopropylbenzene           | 10.50 | 105 | 34184  | 0.728 ug/L   | 98     |
| 59) 1,2,3-Trichloropropane     | 11.02 | 75  | 4065   | 0.557 ug/L # | 1      |
| 66) 1,2-Dibromo-3-chloropropan | 13.00 | 75  | 381    | 0.246 ug/L # | 11     |

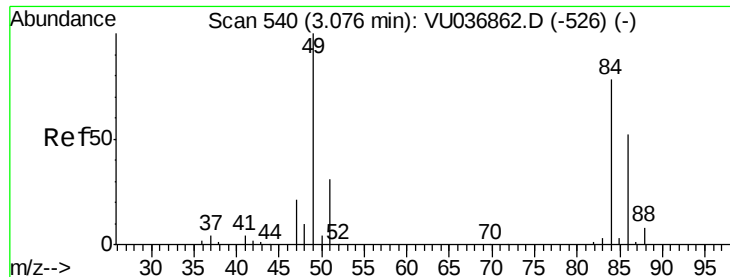
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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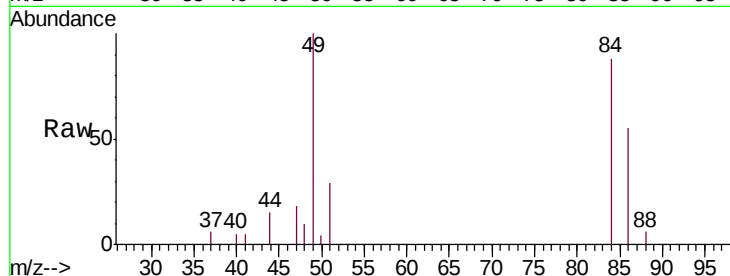




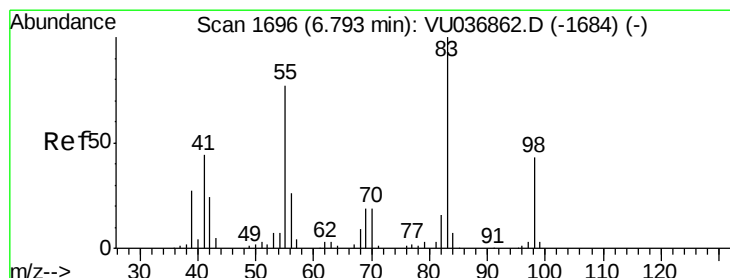
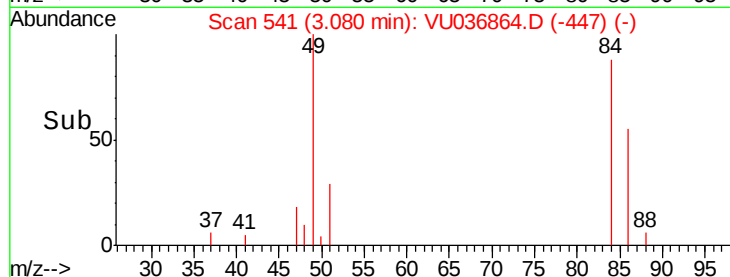
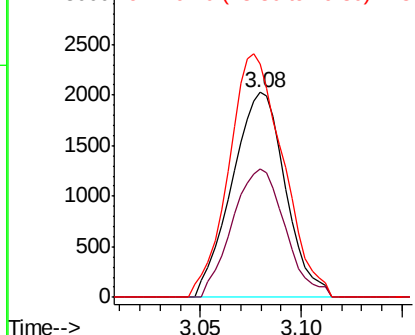
#16  
Methylene chloride  
Concen: 0.269 ug/L  
RT: 3.08 min Scan# 541  
Delta R.T. 0.00 min  
Lab File: VU036864.D  
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Instrument :  
MSVOA\_U  
ClientSampleId :  
DBDJ7DL

Tgt Ion: 84 Resp: 3760  
Ion Ratio Lower Upper  
84 100  
86 63.0 44.7 82.9  
49 114.2 86.7 160.9

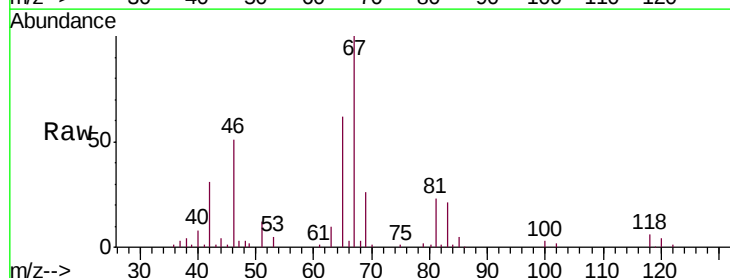


Abundance Ion 84.05 (83.75 to 84.75): VU0  
Ion 86.00 (85.70 to 86.70): VU0  
Ion 49.10 (48.80 to 49.80): VU0

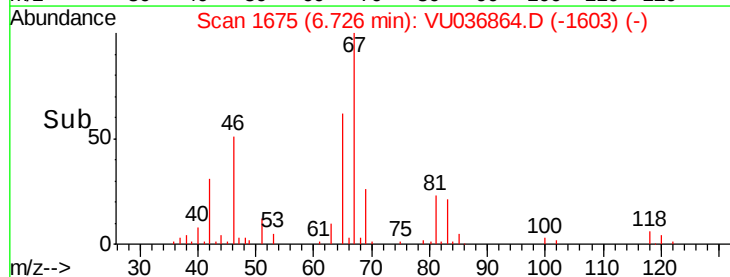
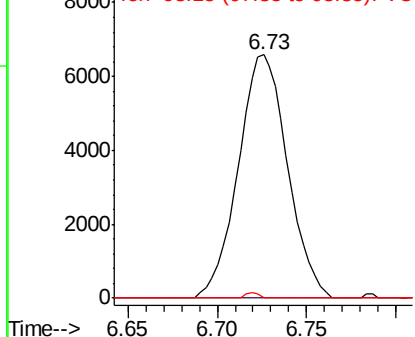


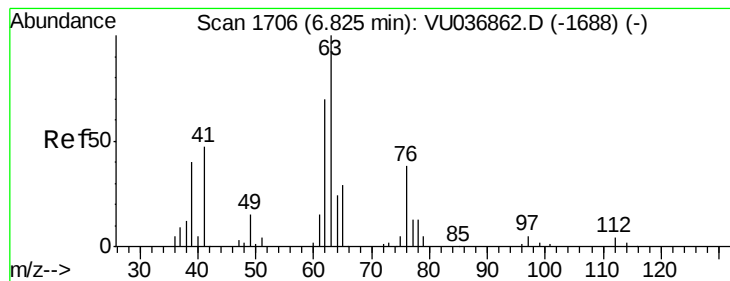
#35  
Methylcyclohexane  
Concen: 0.773 ug/L  
RT: 6.73 min Scan# 1675  
Delta R.T. -0.07 min  
Lab File: VU036864.D  
Acq: 20 Feb 2020 12:41

Tgt Ion: 83 Resp: 12643  
Ion Ratio Lower Upper  
83 100  
55 0.0 61.0 91.4#  
98 0.6 34.2 51.4#



Abundance Ion 83.15 (82.85 to 83.85): VU0  
Ion 55.10 (54.80 to 55.80): VU0  
Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.575 ug/L

RT: 6.73 min Scan# 1675

Delta R.T. -0.10 min

Lab File: VU036864.D

Acq: 20 Feb 2020 12:41

Instrument :

MSVOA\_U

ClientSampleId :

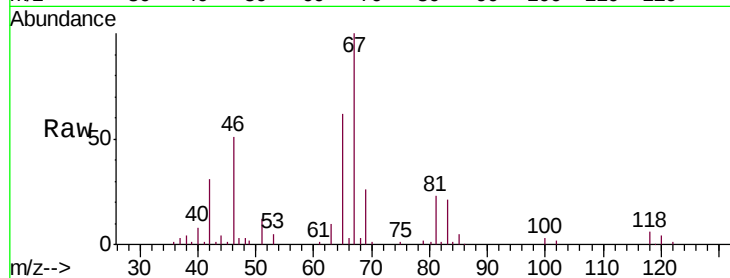
DBDJ7DL

Tgt Ion: 63 Resp: 6351

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.4#



Abundance Ion 63.10 (62.80 to 63.80): VU036862.D (-1688) (-)

Ion 112.10 (111.80 to 112.80): VU036862.D (-1688) (-)

6.73

3000

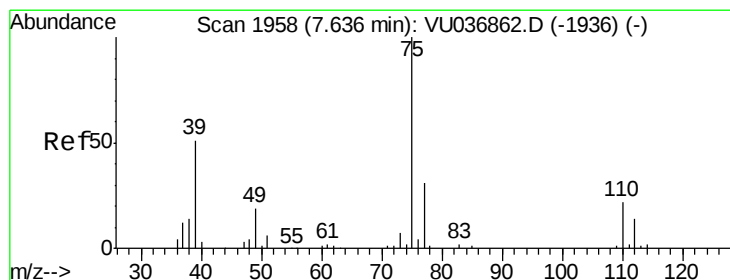
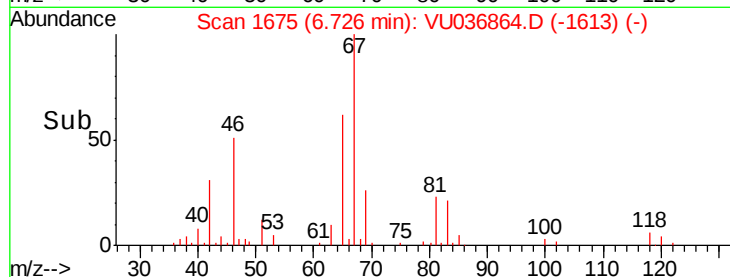
2000

1000

0

6.65 6.70 6.75

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.084 ug/L

RT: 7.59 min Scan# 1945

Delta R.T. -0.04 min

Lab File: VU036864.D

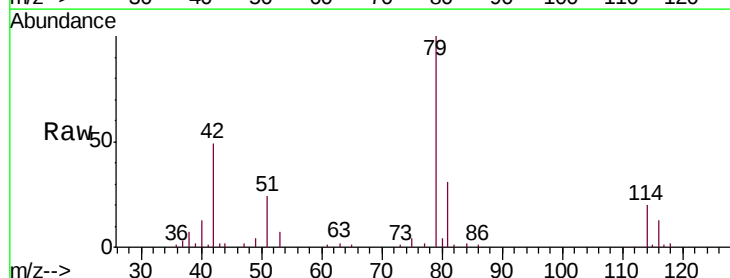
Acq: 20 Feb 2020 12:41

Tgt Ion: 75 Resp: 1339

Ion Ratio Lower Upper

75 100

77 46.6 22.5 41.9#



Abundance Ion 75.05 (74.75 to 75.75): VU036862.D (-1936) (-)

Ion 77.05 (76.75 to 77.75): VU036862.D (-1936) (-)

7.59

1000

800

600

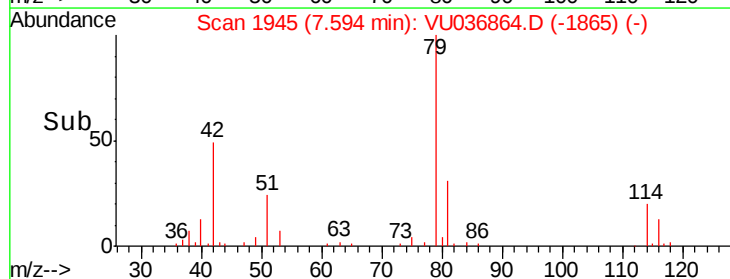
400

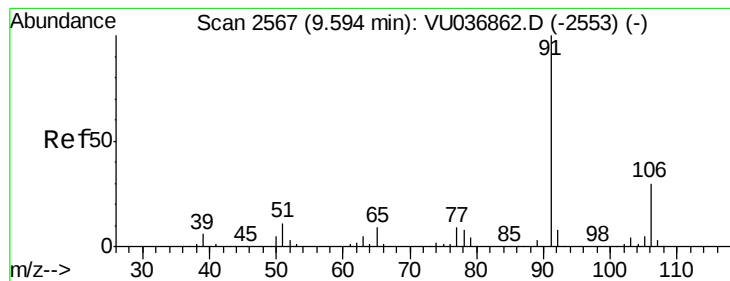
200

0

7.55 7.60

Time-->





#52

Ethylbenzene

Concen: 3.009 ug/L

RT: 9.59 min Scan# 2567

Delta R.T. 0.00 min

Lab File: VU036864.D

Acq: 20 Feb 2020 12:41

Instrument :

MSVOA\_U

ClientSampleId :

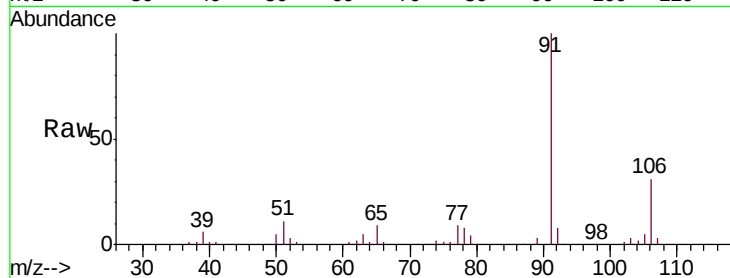
DBDJ7DL

Tgt Ion: 91 Resp: 146017

Ion Ratio Lower Upper

91 100

106 30.7 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VU036864.D (-2512) (-)

Ion 106.15 (105.85 to 106.85): VU036864.D (-2512) (-)

9.59

80000

60000

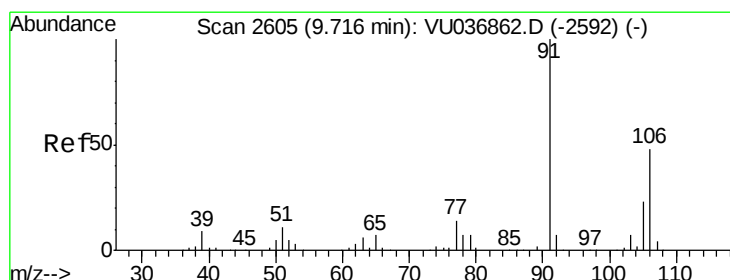
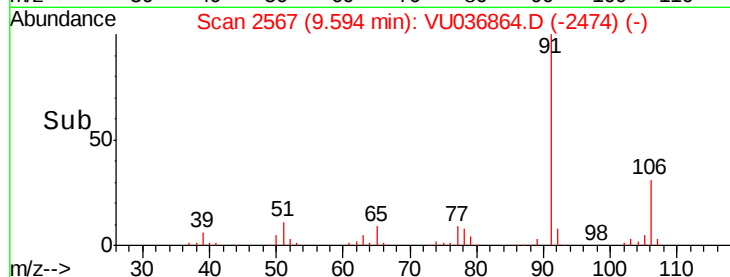
40000

20000

0

9.55 9.60 9.65

Time-->



#53

m,p-Xylene

Concen: 8.789 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VU036864.D

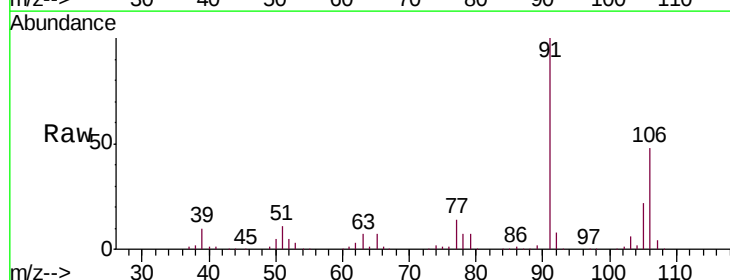
Acq: 20 Feb 2020 12:41

Tgt Ion: 106 Resp: 156934

Ion Ratio Lower Upper

106 100

91 209.8 141.1 262.0



Abundance Ion 106.15 (105.85 to 106.85): VU036864.D (-2512) (-)

Ion 91.15 (90.85 to 91.85): VU036864.D (-2512) (-)

9.71

200000

150000

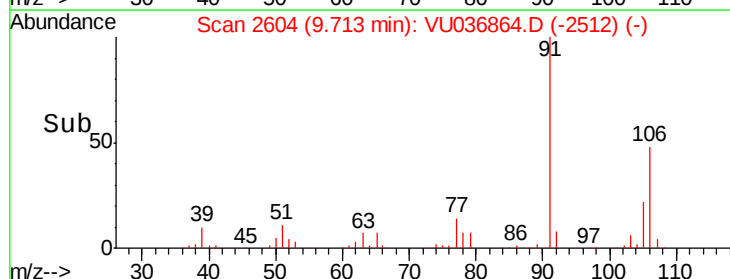
100000

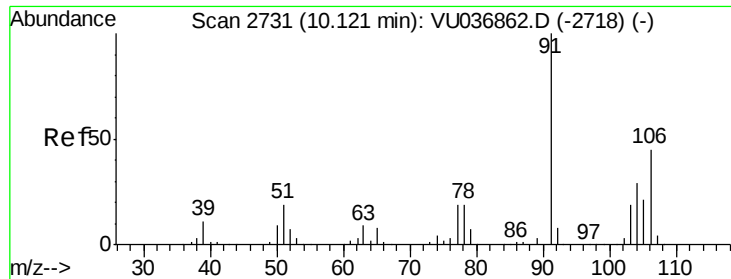
50000

0

9.65 9.70 9.75 9.80

Time-->

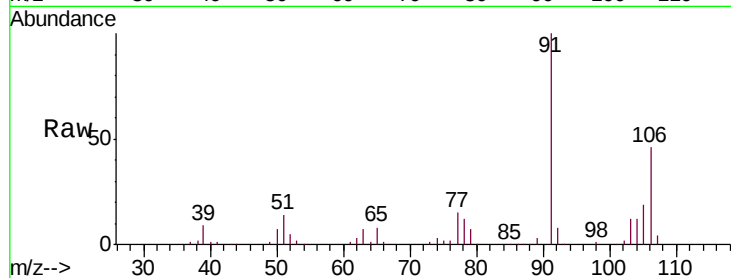




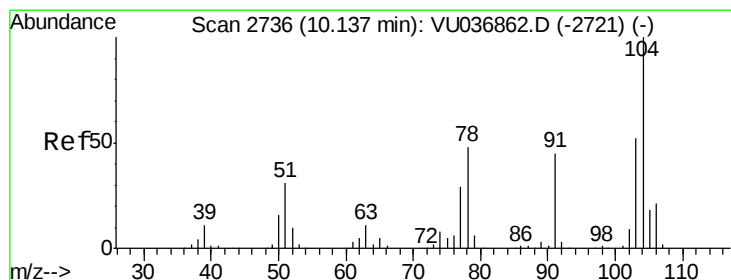
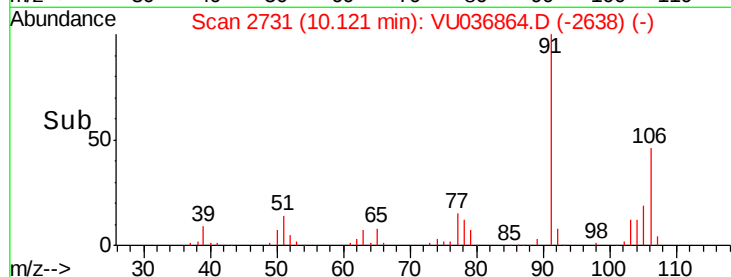
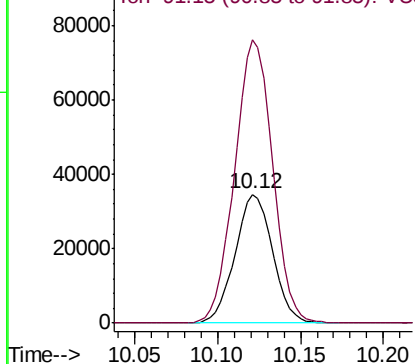
#54  
o-Xylene  
Concen: 3.113 ug/L  
RT: 10.12 min Scan# 2731  
Delta R.T. 0.00 min  
Lab File: VU036864.D  
Acq: 20 Feb 2020 12:41

Instrument :  
MSVOA\_U  
ClientSampled :  
DBDJ7DL

Tgt Ion:106 Resp: 54578  
Ion Ratio Lower Upper  
106 100  
91 219.5 151.1 280.5

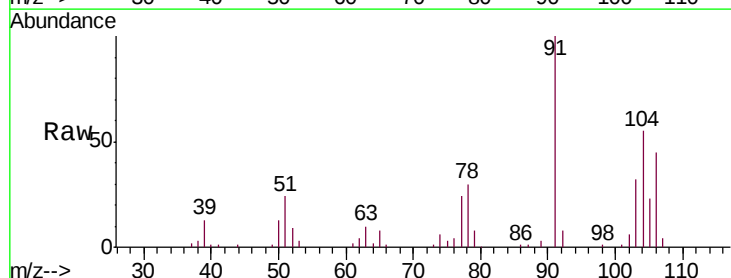


Abundance Ion 106.15 (105.85 to 106.85): V  
Ion 91.15 (90.85 to 91.85): VU0

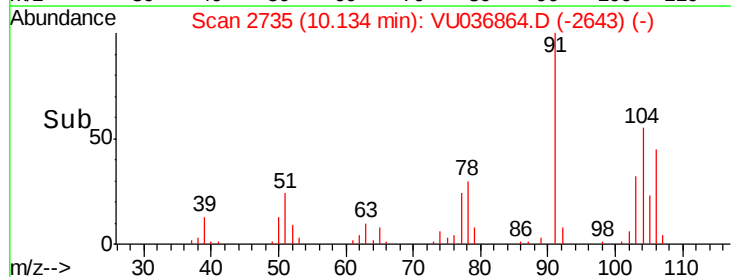
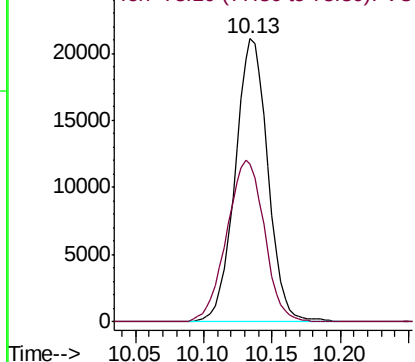


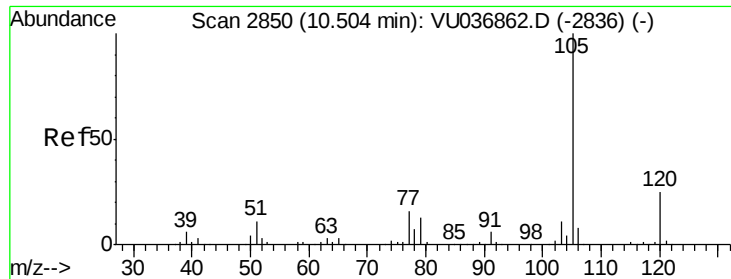
#55  
Styrene  
Concen: 1.185 ug/L  
RT: 10.13 min Scan# 2735  
Delta R.T. -0.00 min  
Lab File: VU036864.D  
Acq: 20 Feb 2020 12:41

Tgt Ion:104 Resp: 35035  
Ion Ratio Lower Upper  
104 100  
78 55.8 33.5 62.3



Abundance Ion 104.10 (103.80 to 104.80): V  
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 0.728 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VU036864.D

Acq: 20 Feb 2020 12:41

Instrument :

MSVOA\_U

ClientSampleId :

DBDJ7DL

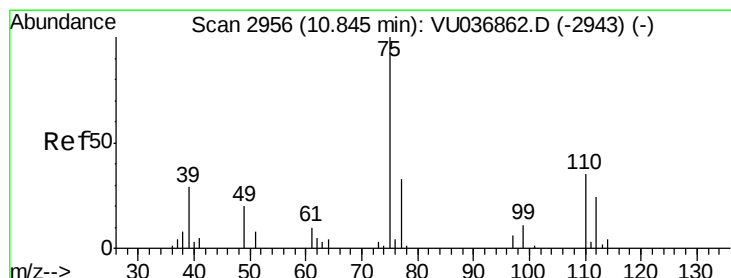
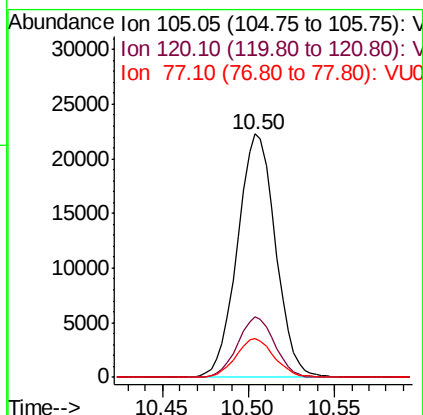
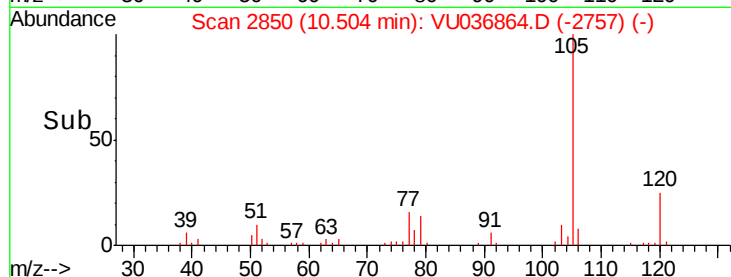
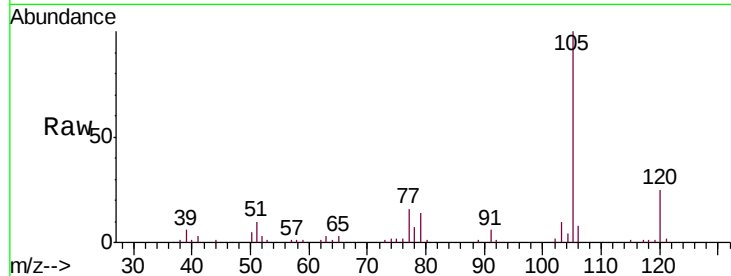
Tgt Ion: 105 Resp: 34184

Ion Ratio Lower Upper

105 100

120 23.9 20.5 30.7

77 15.9 13.0 19.6



#59

1,2,3-Trichloropropane

Concen: 0.557 ug/L

RT: 11.02 min Scan# 3009

Delta R.T. 0.17 min

Lab File: VU036864.D

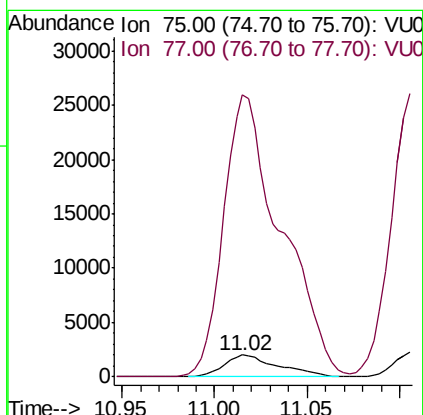
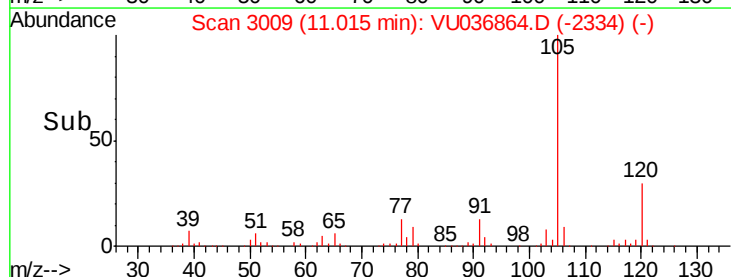
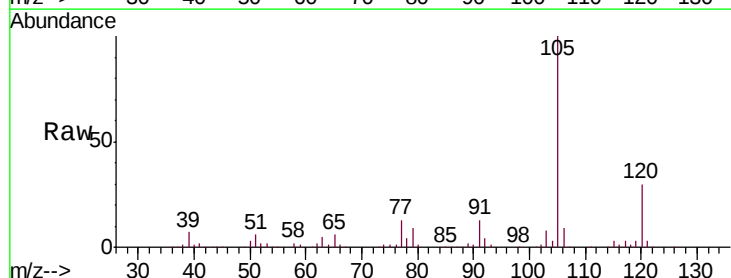
Acq: 20 Feb 2020 12:41

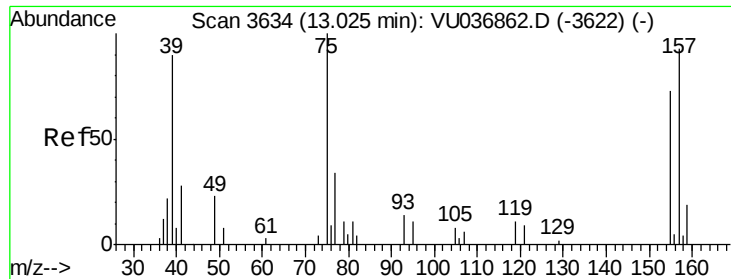
Tgt Ion: 75 Resp: 4065

Ion Ratio Lower Upper

75 100

77 1379.0 25.6 38.4#





#66

1,2-Dibromo-3-chloropropane

Concen: 0.246 ug/L

RT: 13.00 min Scan# 3626

Delta R.T. -0.03 min

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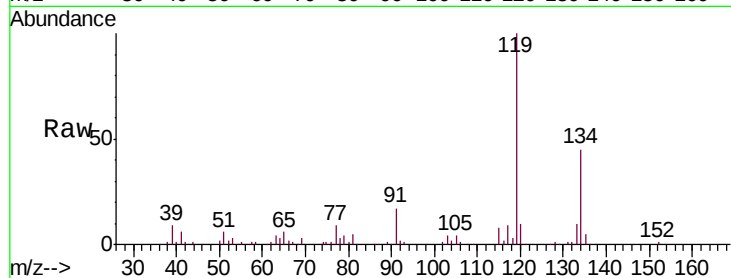
Tgt Ion: 75 Resp: 381

Ion Ratio Lower Upper

75 100

155 0.0 52.9 79.3#

157 0.0 69.2 103.8#



Abundance Ion 75.05 (74.75 to 75.75): VU036864.D (-3541) (-)

Ion 154.95 (154.65 to 155.65): VU036864.D (-3541) (-)

Ion 156.90 (156.60 to 157.60): VU036864.D (-3541) (-)

