

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU053020\  
 Data File : VU038401.D  
 Acq On : 30 May 2020 01:01  
 Operator : JC/MD  
 Sample : L2766-09DL 200X  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BE4Z2DL

Quant Time: May 30 03:21:31 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR050720WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Sat May 30 00:03:10 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 289706   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 279947   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 134343   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 88090    | 3.32     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 66.40%  |
| 7) Chloroethane-d5             | 1.93   | 69    | 83525    | 3.64     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 72.80%  |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 135690   | 3.06     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 61.20%  |
| 20) 2-Butanone-d5              | 4.67   | 46    | 357126   | 54.62    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 109.24% |
| 24) Chloroform-d               | 5.10   | 84    | 200469   | 4.99     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 99.80%  |
| 26) 1,2-Dichloroethane-d4      | 5.74   | 65    | 120487   | 5.23     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 104.60% |
| 32) Benzene-d6                 | 5.76   | 84    | 409922   | 4.88     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 97.60%  |
| 36) 1,2-Dichloropropane-d6     | 6.72   | 67    | 128299   | 4.74     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 94.80%  |
| 41) Toluene-d8                 | 7.92   | 98    | 340226   | 4.51     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 90.20%  |
| 43) trans-1,3-Dichloropropene- | 8.20   | 79    | 49315    | 4.55     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 91.00%  |
| 46) 2-Hexanone-d5              | 8.65   | 63    | 296115   | 57.82    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 115.64% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77  | 84    | 109348   | 5.12     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 102.40% |
| 64) 1,2-Dichlorobenzene-d4     | 12.20  | 152   | 134566   | 5.15     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 103.00% |

## Target Compounds

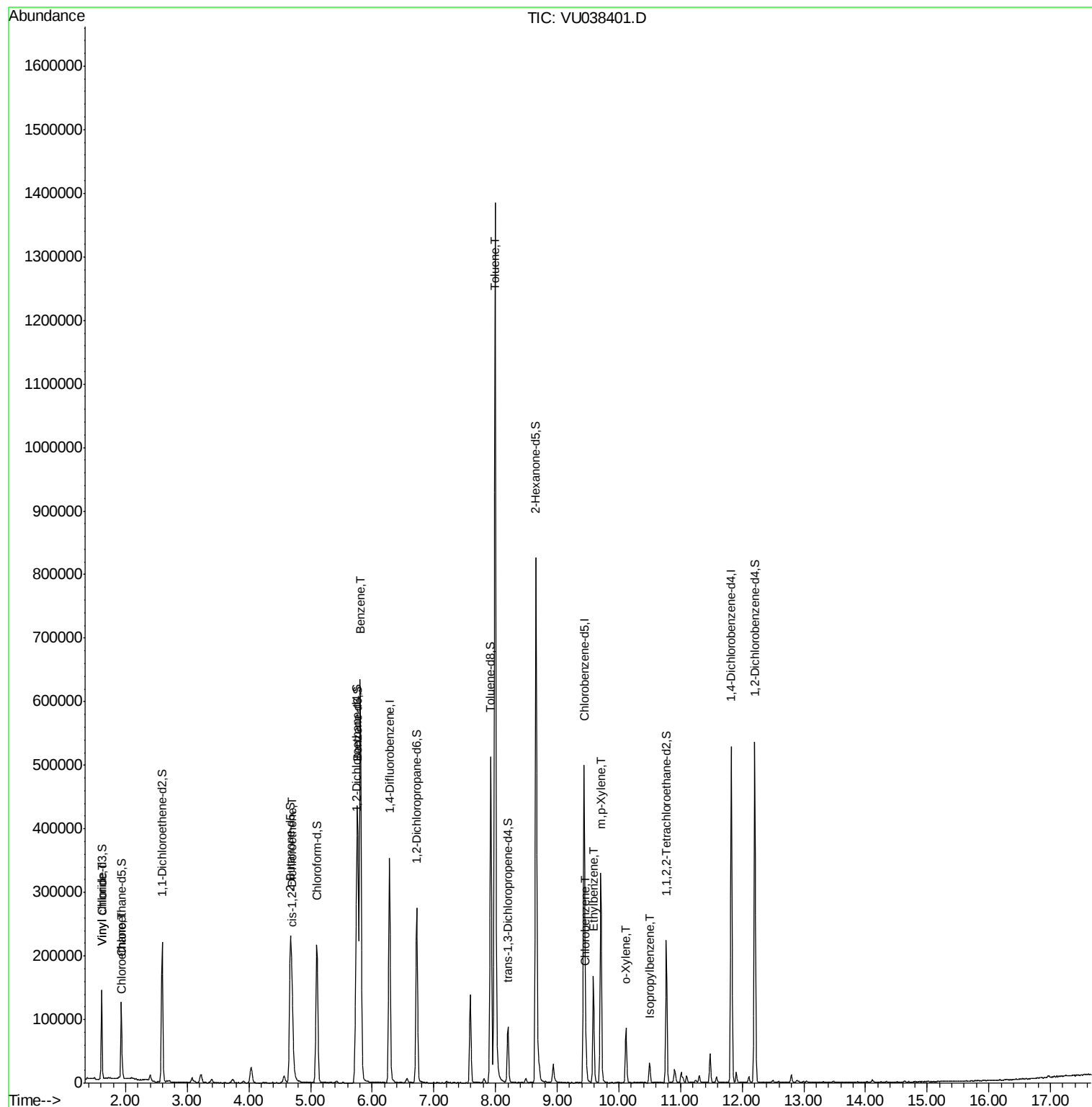
| Target Compounds           | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|----------------------------|-------|------|----------|-------|-------|--------|
| 5) Vinyl chloride          | 1.62  | 62   | 3759     | 0.12  | ug/L  | # 1    |
| 8) Chloroethane            | 1.95  | 64   | 4130     | 0.21  | ug/L  | 88     |
| 22) cis-1,2-Dichloroethene | 4.71  | 96   | 30790    | 1.30  | ug/L  | 95     |
| 33) Benzene                | 5.81  | 78   | 607066   | 6.77  | ug/L  | 100    |
| 42) Toluene                | 7.99  | 91   | 1020428  | 10.78 | ug/L  | 97     |
| 51) Chlorobenzene          | 9.47  | 112  | 29305    | 0.50  | ug/L  | 95     |
| 52) Ethylbenzene           | 9.59  | 91   | 118996   | 1.16  | ug/L  | 99     |
| 53) m,p-Xylene             | 9.71  | 106  | 94335    | 2.40  | ug/L  | 99     |
| 54) o-Xylene               | 10.12 | 106  | 23171    | 0.61  | ug/L  | 89     |
| 56) Isopropylbenzene       | 10.50 | 105  | 19371    | 0.20  | ug/L  | 96     |

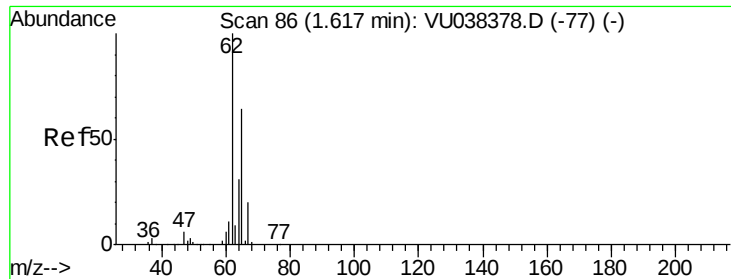
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_U\DATA\VU053020\  
Data File : VU038401.D  
Acq On : 30 May 2020 01:01  
Operator : JC/MD  
Sample : L2766-09DL 200X  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BE4Z2DL

Quant Time: May 30 03:21:31 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR050720WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Sat May 30 00:03:10 2020  
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.12 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU038401.D

Acq: 30 May 2020 01:01

Instrument :

MSVOA\_U

ClientSampleId :

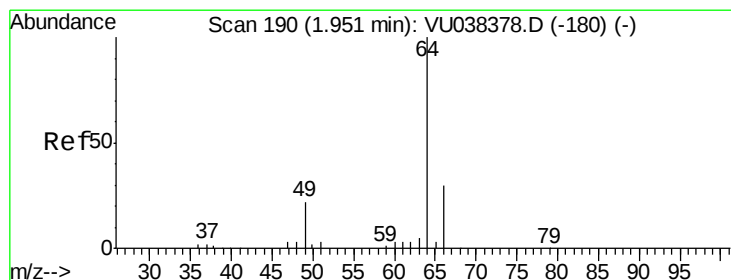
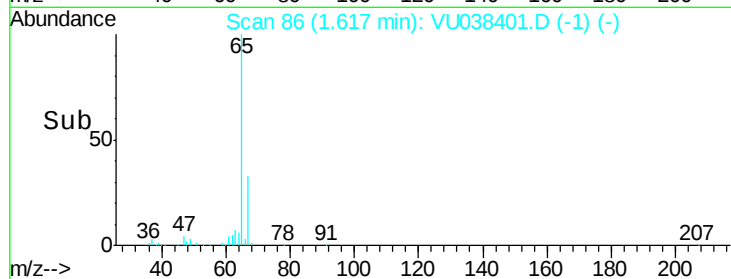
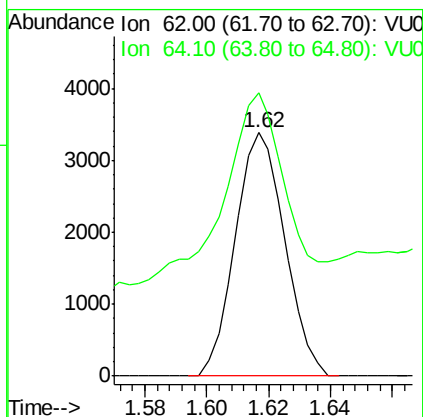
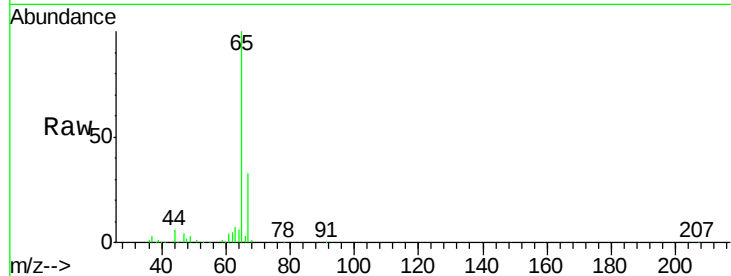
BE4Z2DL

Tgt Ion: 62 Resp: 3759

Ion Ratio Lower Upper

62 100

64 116.3 22.8 42.4#



#8

Chloroethane

Concen: 0.21 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU038401.D

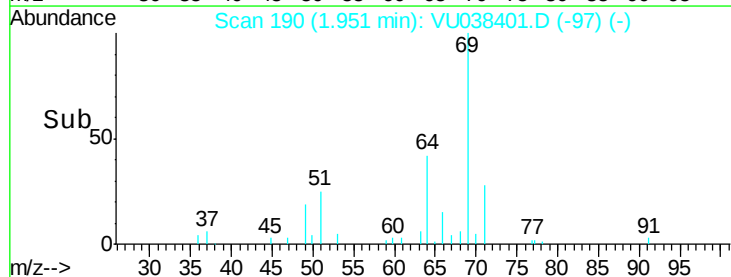
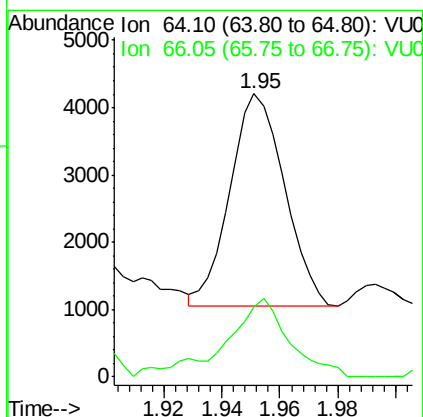
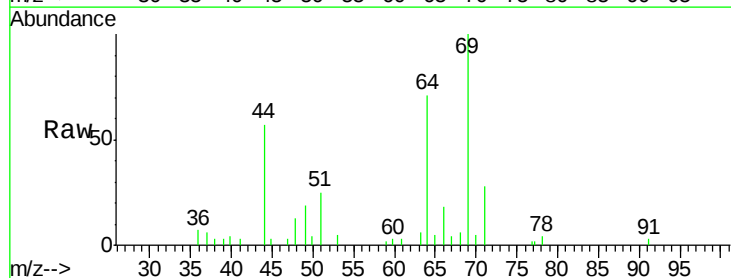
Acq: 30 May 2020 01:01

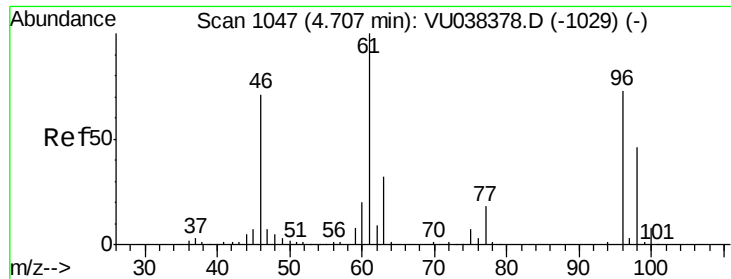
Tgt Ion: 64 Resp: 4130

Ion Ratio Lower Upper

64 100

66 24.6 21.8 40.4

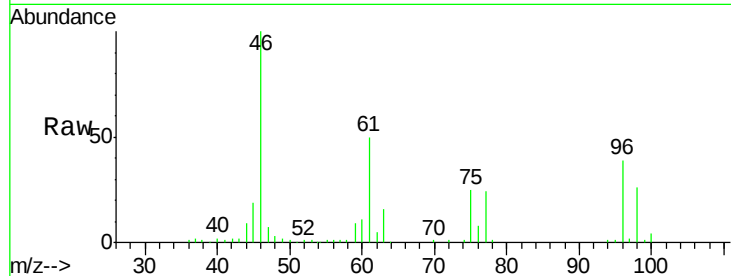




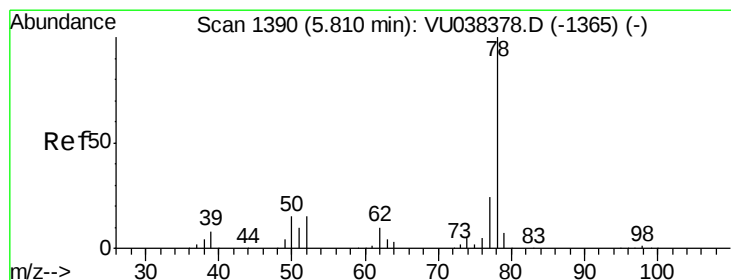
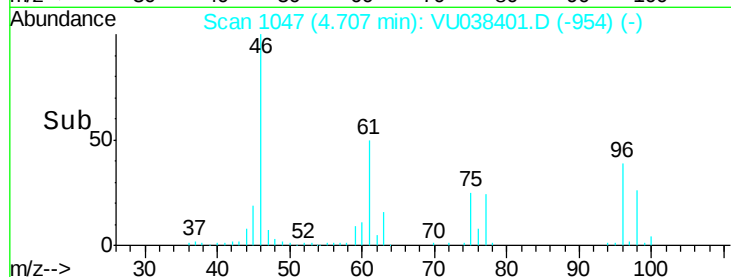
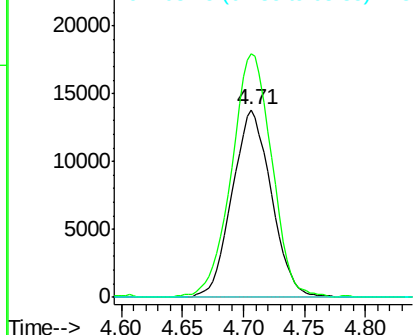
#22  
 cis-1,2-Dichloroethene  
 Concen: 1.30 ug/L  
 RT: 4.71 min Scan# 1047  
 Delta R.T. -0.00 min  
 Lab File: VU038401.D  
 Acq: 30 May 2020 01:01

Instrument :  
 MSVOA\_U  
 ClientSampleID :  
 BE4Z2DL

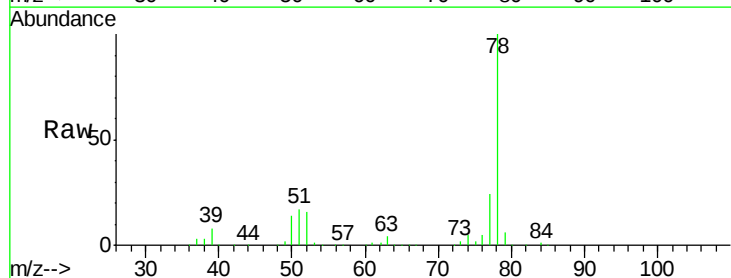
Tgt Ion: 96 Resp: 30790  
 Ion Ratio Lower Upper  
 96 100  
 61 129.6 95.3 176.9  
 68 0.0 0.0 0.0



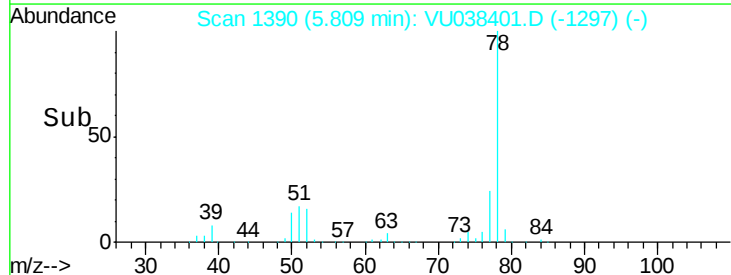
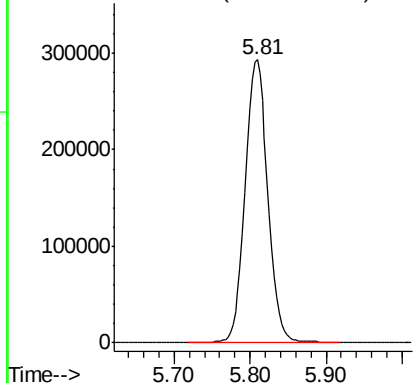
Abundance Ion 96.00 (95.70 to 96.70): VU0  
 Ion 61.05 (60.75 to 61.75): VU0  
 Ion 68.15 (67.85 to 68.85): VU0

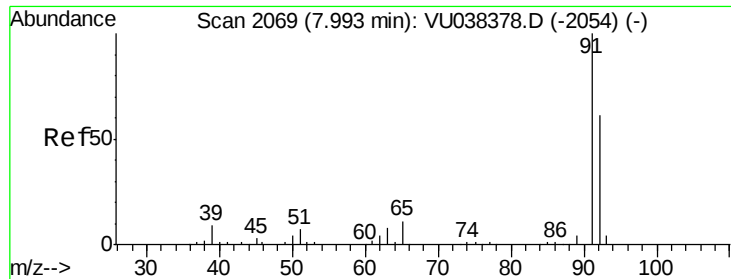


#33  
 Benzene  
 Concen: 6.77 ug/L  
 RT: 5.81 min Scan# 1390  
 Delta R.T. -0.00 min  
 Lab File: VU038401.D  
 Acq: 30 May 2020 01:01  
 Tgt Ion: 78 Resp: 607066



Abundance Ion 78.10 (77.80 to 78.80): VU0





#42

Toluene

Concen: 10.78 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038401.D

Acq: 30 May 2020 01:01

Instrument :

MSVOA\_U

ClientSampleId :

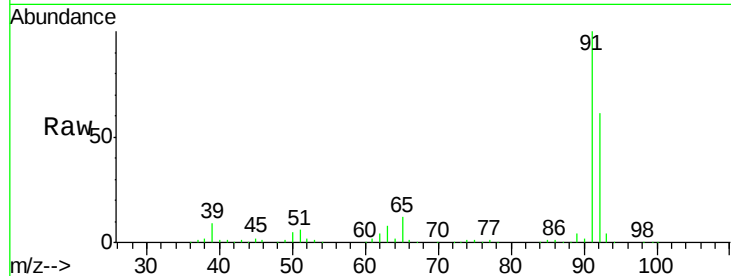
BE4Z2DL

Tgt Ion: 91 Resp: 1020428

Ion Ratio Lower Upper

91 100

92 60.9 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU038378.D (-2054) (-)

Ion 92.15 (91.85 to 92.85): VU038378.D (-2054) (-)

7.99

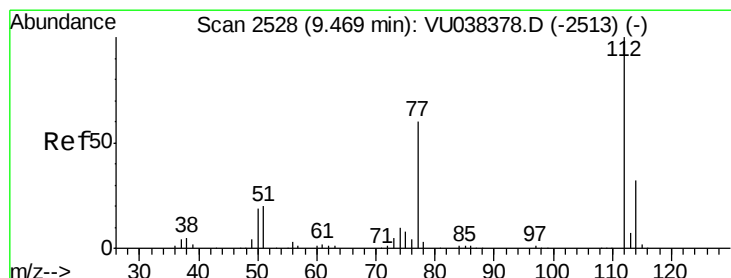
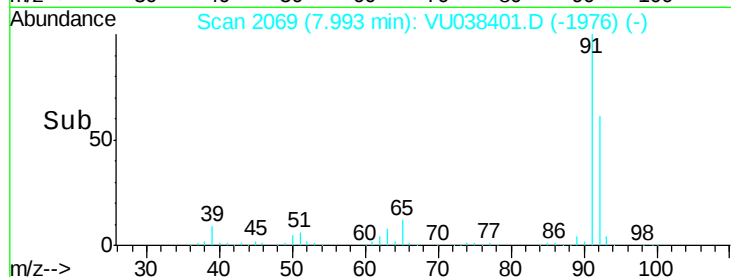
600000

400000

200000

0

Time-->



#51

Chlorobenzene

Concen: 0.50 ug/L

RT: 9.47 min Scan# 2528

Delta R.T. -0.00 min

Lab File: VU038401.D

Acq: 30 May 2020 01:01

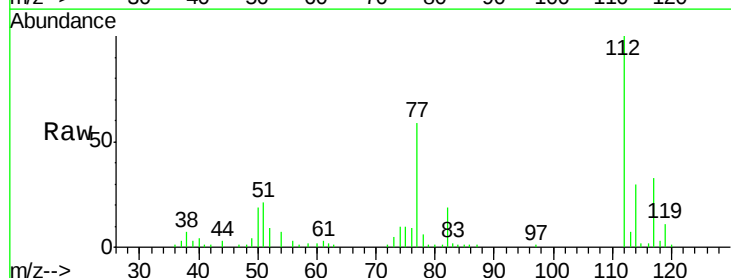
Tgt Ion: 112 Resp: 29305

Ion Ratio Lower Upper

112 100

114 30.0 22.5 41.7

77 58.5 49.9 74.9



Abundance Ion 112.10 (111.80 to 112.80): VU038378.D (-2513) (-)

Ion 114.05 (113.75 to 114.75): VU038378.D (-2513) (-)

Ion 77.10 (76.80 to 77.80): VU038378.D (-2513) (-)

9.47

20000

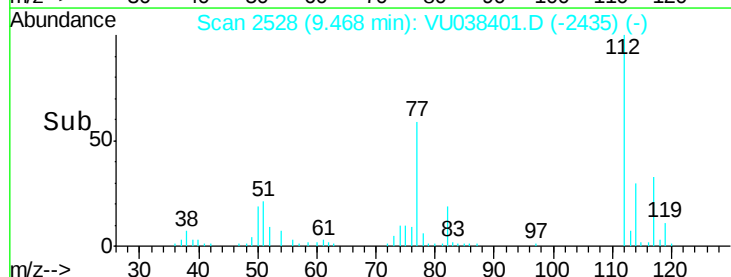
15000

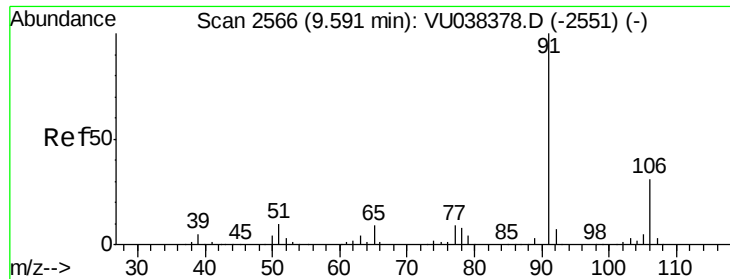
10000

5000

0

Time-->





#52

Ethylbenzene

Concen: 1.16 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU038401.D

Acq: 30 May 2020 01:01

Instrument :

MSVOA\_U

ClientSampleId :

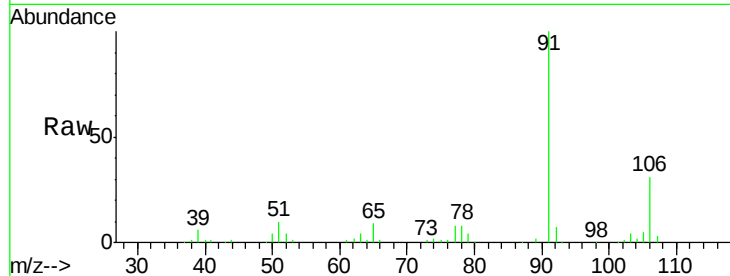
BE4Z2DL

Tgt Ion: 91 Resp: 118996

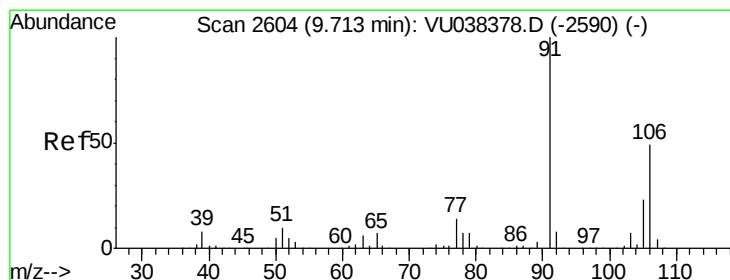
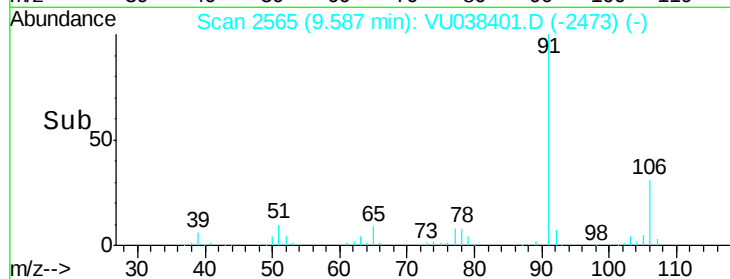
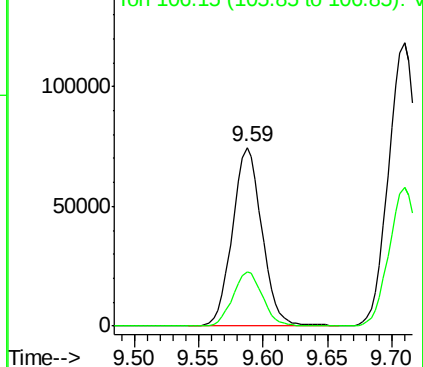
Ion Ratio Lower Upper

91 100

106 30.7 21.8 40.4



Abundance Ion 91.15 (90.85 to 91.85): VU038401.D (-2551) (-)



#53

m,p-Xylene

Concen: 2.40 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU038401.D

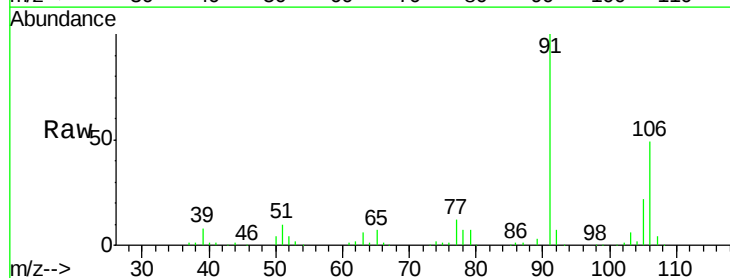
Acq: 30 May 2020 01:01

Tgt Ion: 106 Resp: 94335

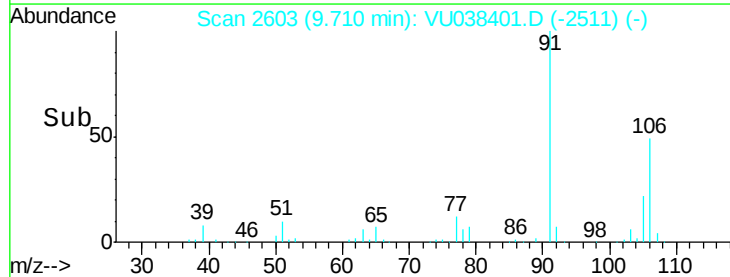
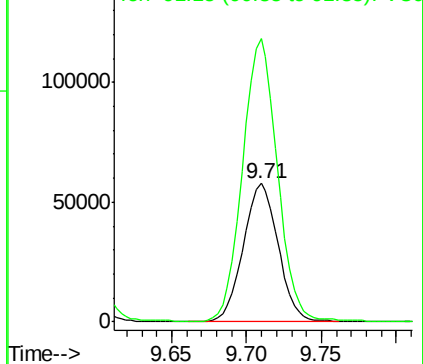
Ion Ratio Lower Upper

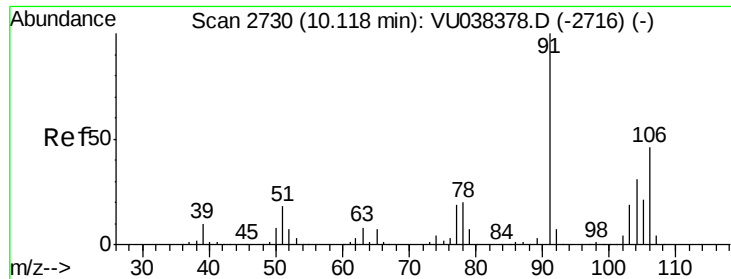
106 100

91 204.8 142.1 263.9



Abundance Ion 106.15 (105.85 to 106.85): VU038401.D (-2590) (-)

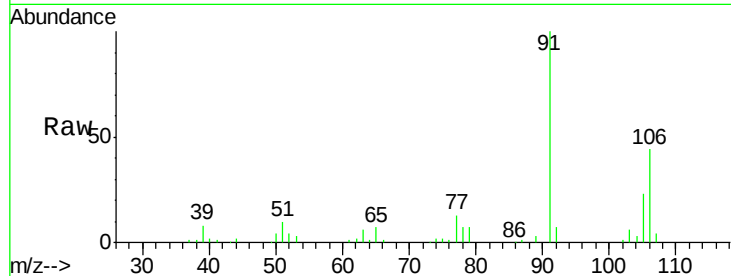




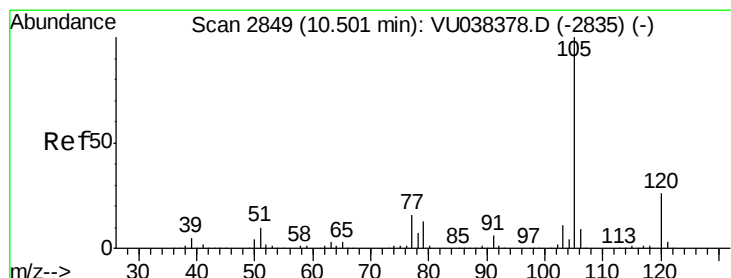
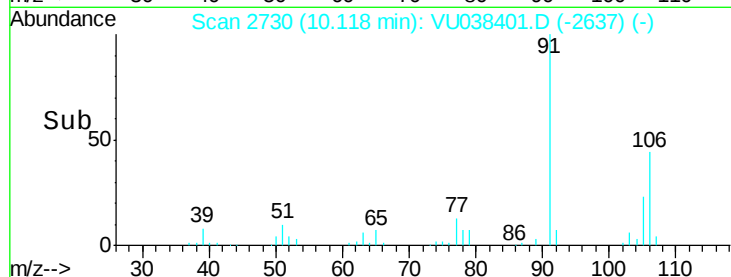
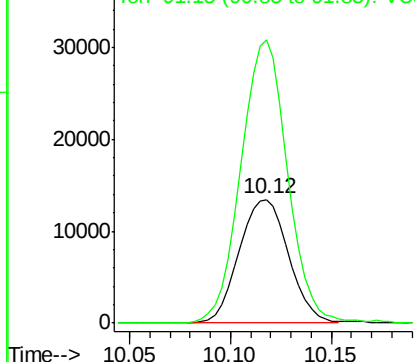
#54  
o-Xylene  
Concen: 0.61 ug/L  
RT: 10.12 min Scan# 2730  
Delta R.T. -0.00 min  
Lab File: VU038401.D  
Acq: 30 May 2020 01:01

Instrument :  
MSVOA\_U  
ClientSampleId :  
BE4Z2DL

Tgt Ion:106 Resp: 23171  
Ion Ratio Lower Upper  
106 100  
91 228.8 148.5 275.9

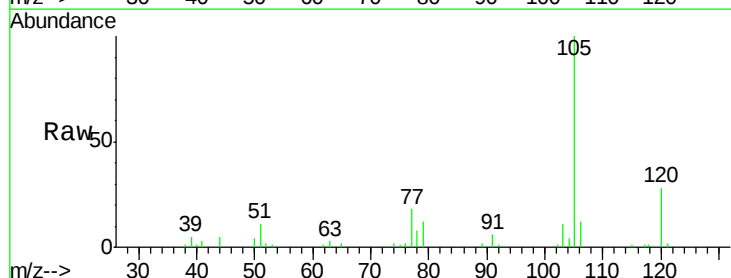


Abundance Ion 106.15 (105.85 to 106.85): V  
Ion 91.15 (90.85 to 91.85): VU0



#56  
Isopropylbenzene  
Concen: 0.20 ug/L  
RT: 10.50 min Scan# 2848  
Delta R.T. -0.00 min  
Lab File: VU038401.D  
Acq: 30 May 2020 01:01

Tgt Ion:105 Resp: 19371  
Ion Ratio Lower Upper  
105 100  
120 28.3 21.0 31.6  
77 17.6 13.0 19.4



Abundance Ion 105.05 (104.75 to 105.75): V  
Ion 120.10 (119.80 to 120.80): V  
Ion 77.10 (76.80 to 77.80): VU0

