

Data File : VU038385.D  
Acq On : 29 May 2020 18:52  
Operator : JC/MD  
Sample : L2749-09DL 10X  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BE4X4DL

Quant Time: May 30 01:29:46 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  | 305321   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 296631   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 150314   | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 94457    | 3.38     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 67.60%  |
| 7) Chloroethane-d5             | 1.93   | 69    | 85839    | 3.55     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 71.00%  |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 147700   | 3.16     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 63.20%  |
| 20) 2-Butanone-d5              | 4.67   | 46    | 358113   | 51.97    | ug/L | -0.01   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 103.94% |
| 24) Chloroform-d               | 5.10   | 84    | 202396   | 4.78     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 95.60%  |
| 26) 1,2-Dichloroethane-d4      | 5.74   | 65    | 118818   | 4.89     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 97.80%  |
| 32) Benzene-d6                 | 5.76   | 84    | 415890   | 4.68     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 93.60%  |
| 36) 1,2-Dichloropropane-d6     | 6.72   | 67    | 130028   | 4.53     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 90.60%  |
| 41) Toluene-d8                 | 7.92   | 98    | 367221   | 4.60     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 92.00%  |
| 43) trans-1,3-Dichloropropene- | 8.20   | 79    | 51274    | 4.46     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 89.20%  |
| 46) 2-Hexanone-d5              | 8.65   | 63    | 287205   | 52.92    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 105.84% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77  | 84    | 109682   | 4.84     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 96.80%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.20  | 152   | 149011   | 5.09     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 101.80% |

#### Target Compounds

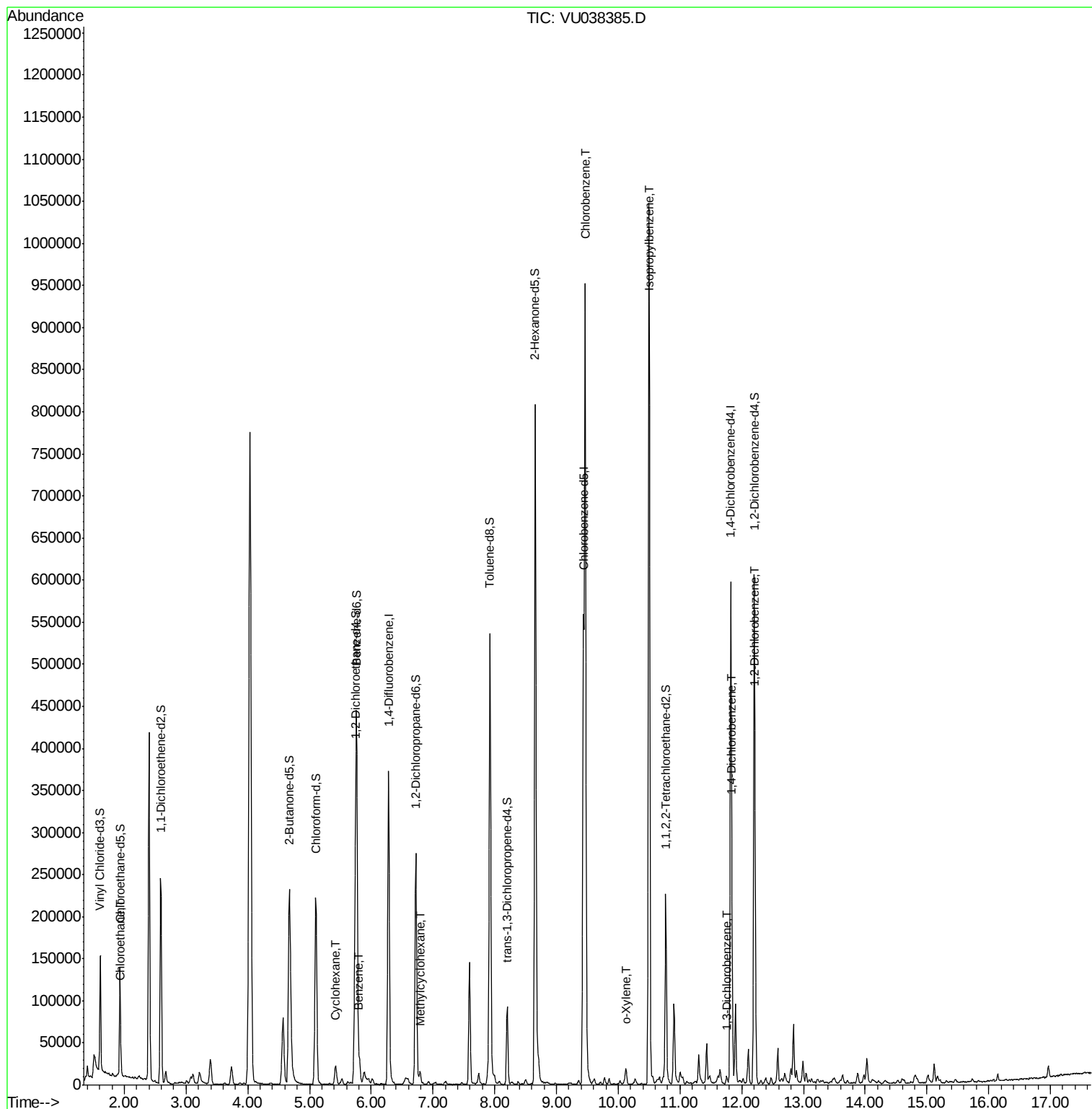
|                         |       |     |        |              | Qvalue |
|-------------------------|-------|-----|--------|--------------|--------|
| 8) Chloroethane         | 1.95  | 64  | 3429   | 0.169 ug/L # | 78     |
| 30) Cyclohexane         | 5.42  | 56  | 11041  | 0.275 ug/L # | 92     |
| 33) Benzene             | 5.81  | 78  | 27293  | 0.287 ug/L   | 100    |
| 35) Methylcyclohexane   | 6.79  | 83  | 5996   | 0.156 ug/L   | 93     |
| 51) Chlorobenzene       | 9.47  | 112 | 494349 | 7.944 ug/L   | 98     |
| 54) o-Xylene            | 10.11 | 106 | 2507   | 0.062 ug/L   | 64     |
| 56) Isopropylbenzene    | 10.50 | 105 | 681961 | 6.593 ug/L   | 99     |
| 62) 1,3-Dichlorobenzene | 11.76 | 146 | 3699   | 0.076 ug/L   | 84     |
| 63) 1,4-Dichlorobenzene | 11.85 | 146 | 29393  | 0.593 ug/L   | 98     |
| 65) 1,2-Dichlorobenzene | 12.22 | 146 | 21694  | 0.461 ug/L   | 97     |

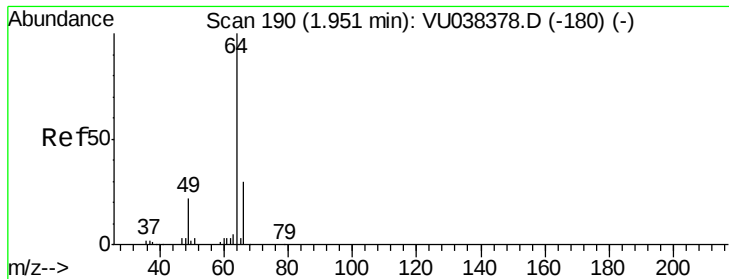
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat May 30 00:03:10 2020  
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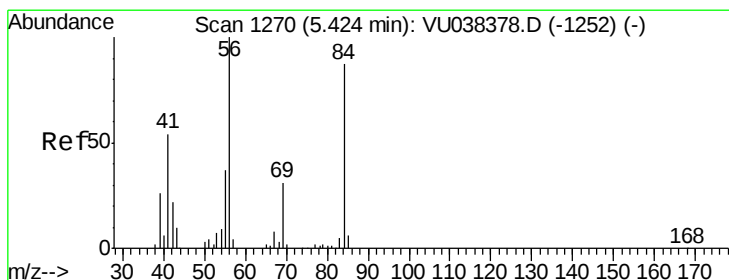
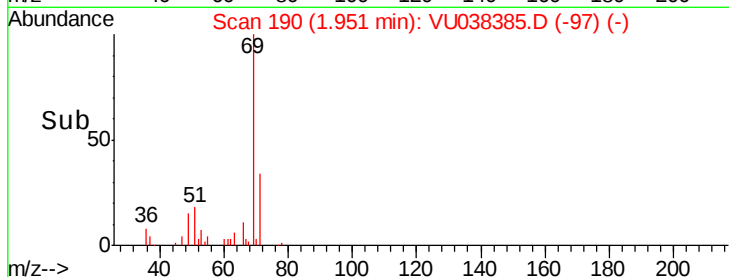
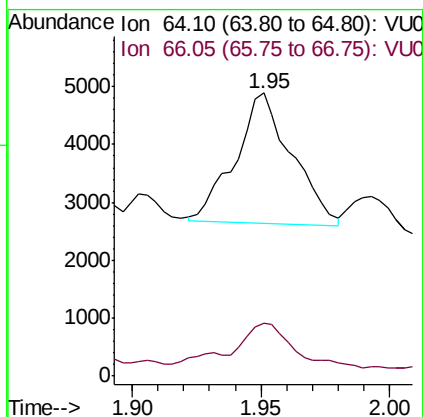
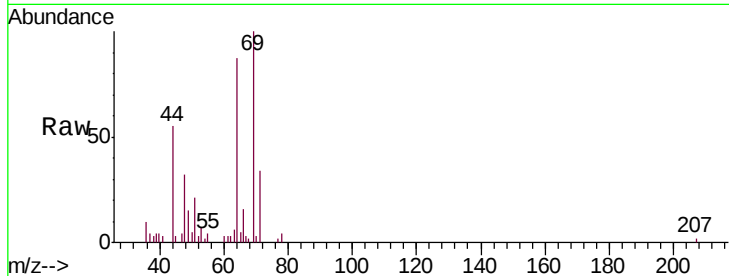




#8  
Chloroethane  
Concen: 0.169 ug/L  
RT: 1.95 min Scan# 190  
Delta R.T. -0.00 min  
Lab File: VU038385.D  
Acq: 29 May 2020 18:52

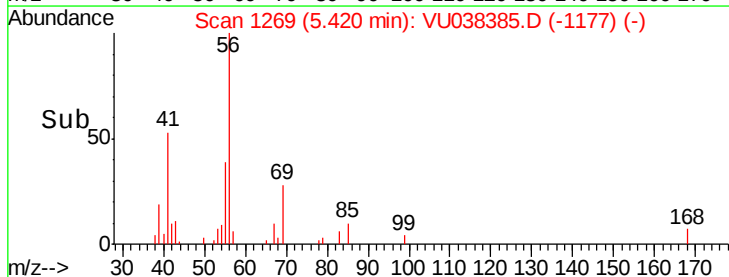
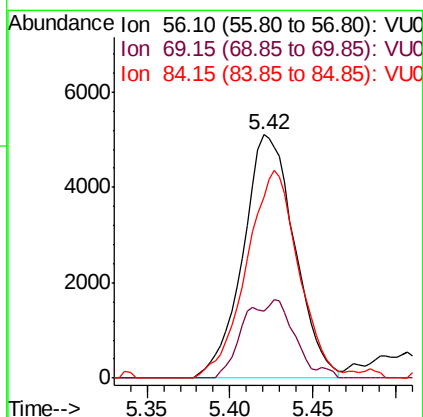
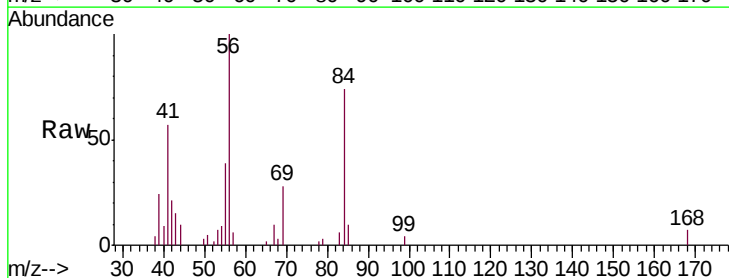
Instrument :  
MSVOA\_U  
ClientSampleId :  
BE4X4DL

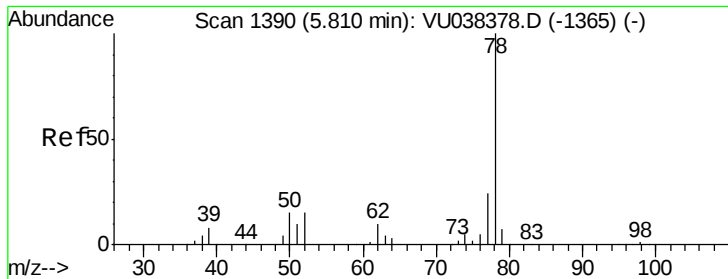
Tgt Ion: 64 Resp: 3429  
Ion Ratio Lower Upper  
64 100  
66 18.9 21.8 40.4#



#30  
Cyclohexane  
Concen: 0.275 ug/L  
RT: 5.42 min Scan# 1269  
Delta R.T. -0.00 min  
Lab File: VU038385.D  
Acq: 29 May 2020 18:52

Tgt Ion: 56 Resp: 11041  
Ion Ratio Lower Upper  
56 100  
69 14.3 24.2 36.4#  
84 86.2 68.5 102.7





#33

Benzene

Concen: 0.287 ug/L

RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VU038385.D

Acq: 29 May 2020 18:52

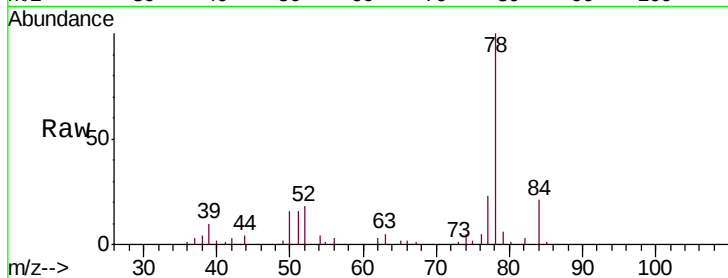
Instrument :

MSVOA\_U

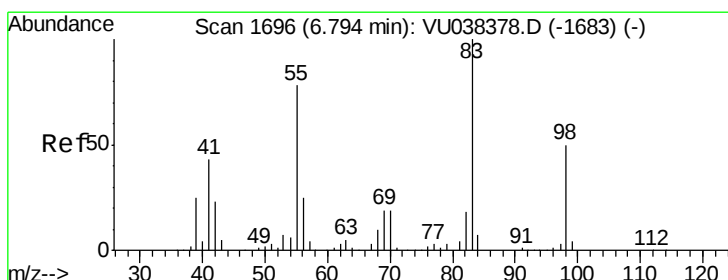
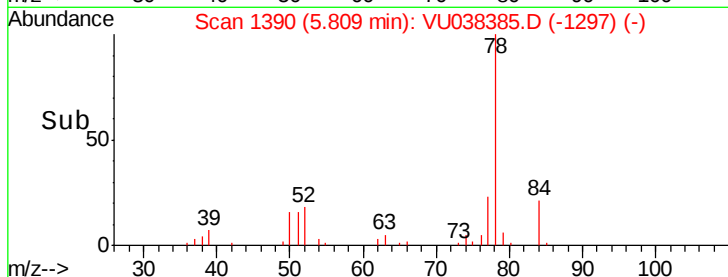
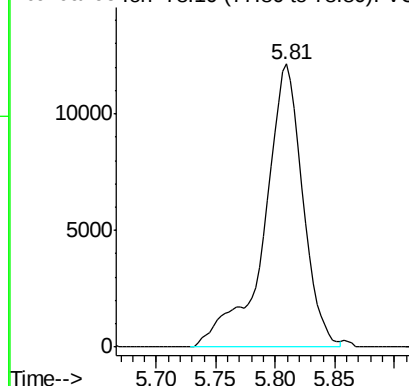
ClientSampleId :

BE4X4DL

Tgt Ion: 78 Resp: 27293



Abundance Ion 78.10 (77.80 to 78.80): VU0



#35

Methylcyclohexane

Concen: 0.156 ug/L

RT: 6.79 min Scan# 1695

Delta R.T. -0.00 min

Lab File: VU038385.D

Acq: 29 May 2020 18:52

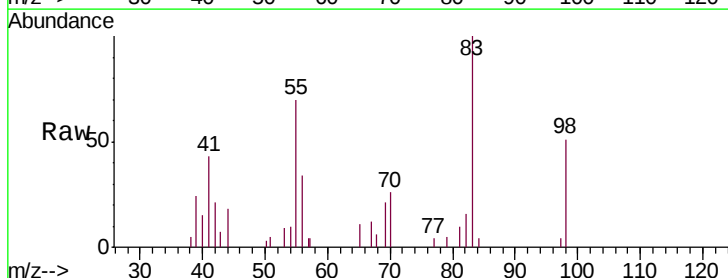
Tgt Ion: 83 Resp: 5996

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 92.7  | 66.7  | 100.1 |
| 98  | 48.9  | 39.4  | 59.2  |

83 100

55 92.7 66.7 100.1

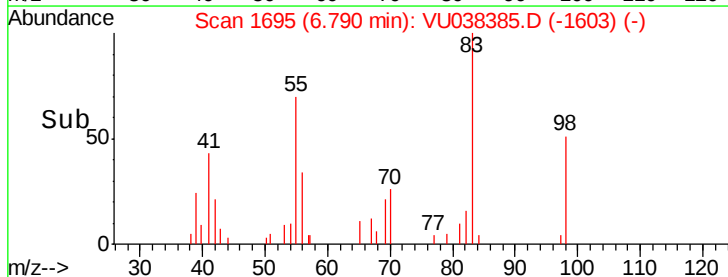
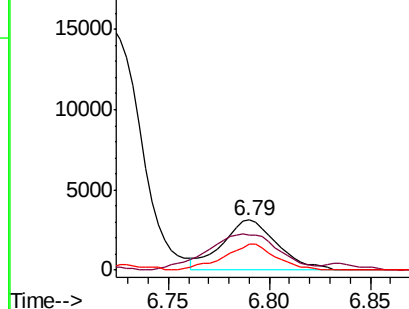
98 48.9 39.4 59.2

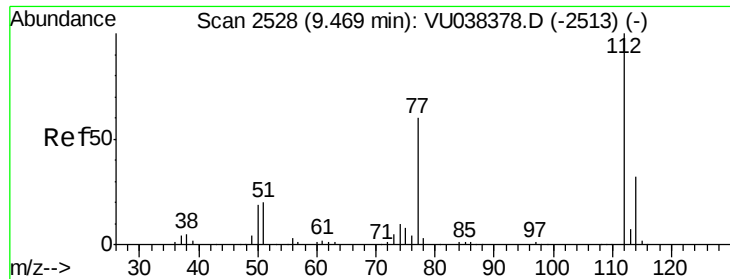


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#51

Chlorobenzene

Concen: 7.944 ug/L

RT: 9.47 min Scan# 2527

Delta R.T. -0.00 min

Lab File: VU038385.D

Acq: 29 May 2020 18:52

Instrument :

MSVOA\_U

ClientSampleId :

BE4X4DL

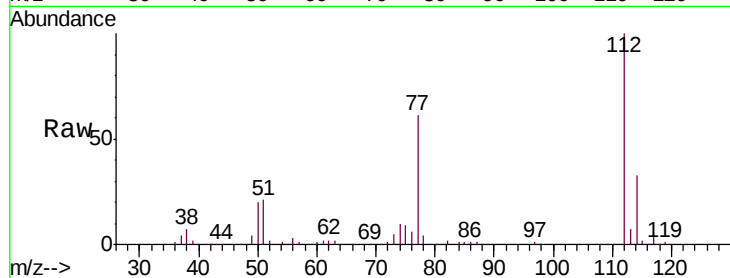
Tgt Ion:112 Resp: 494349

Ion Ratio Lower Upper

112 100

114 32.6 22.5 41.7

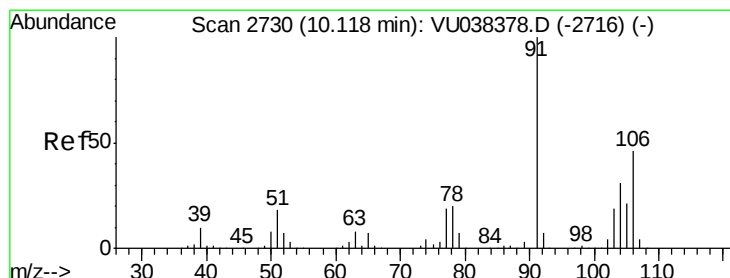
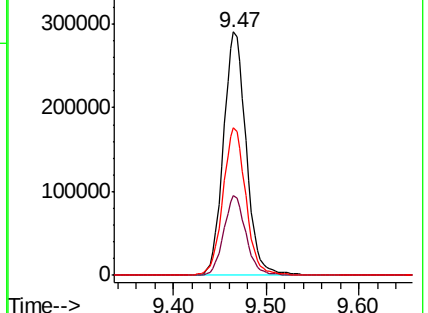
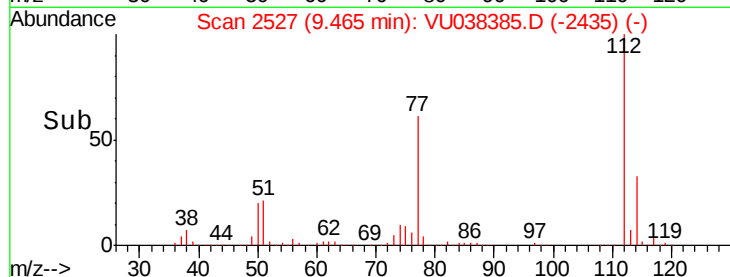
77 60.6 49.9 74.9



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU



#54

o-Xylene

Concen: 0.062 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VU038385.D

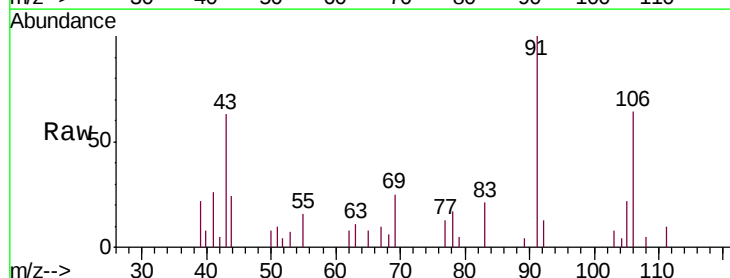
Acq: 29 May 2020 18:52

Tgt Ion:106 Resp: 2507

Ion Ratio Lower Upper

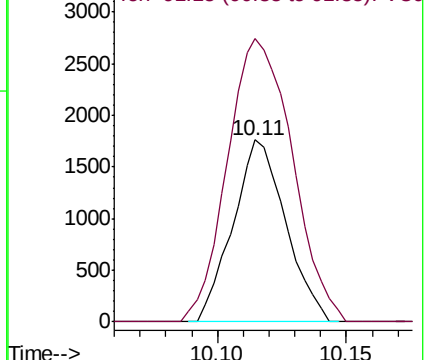
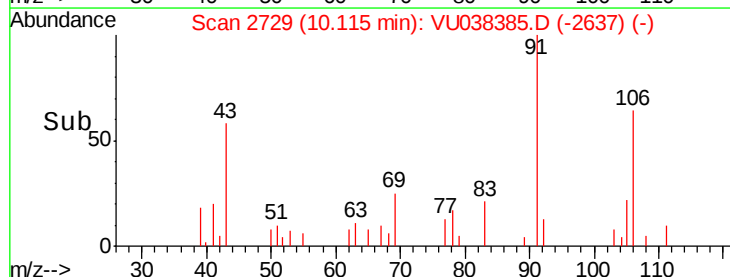
106 100

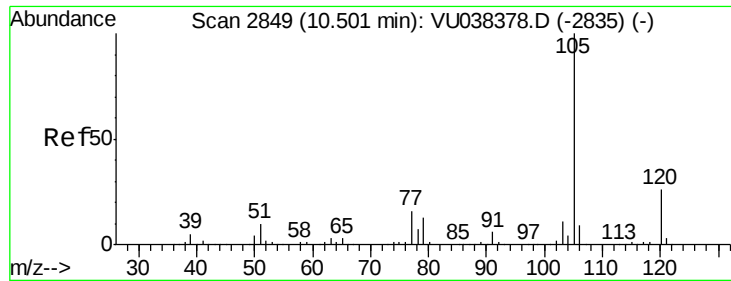
91 155.6 148.5 275.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU





#56

Isopropylbenzene

Concen: 6.593 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. -0.00 min

Lab File: VU038385.D

Acq: 29 May 2020 18:52

Instrument :

MSVOA\_U

ClientSampled :

BE4X4DL

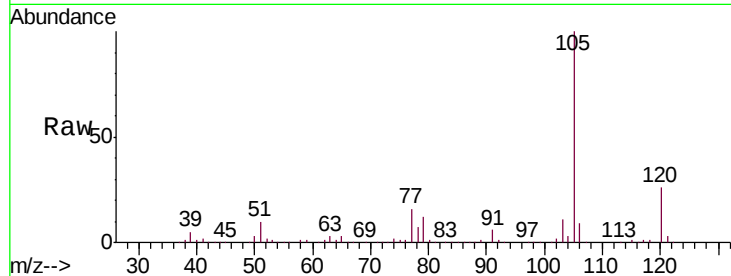
Tgt Ion:105 Resp: 681961

Ion Ratio Lower Upper

105 100

120 25.8 21.0 31.6

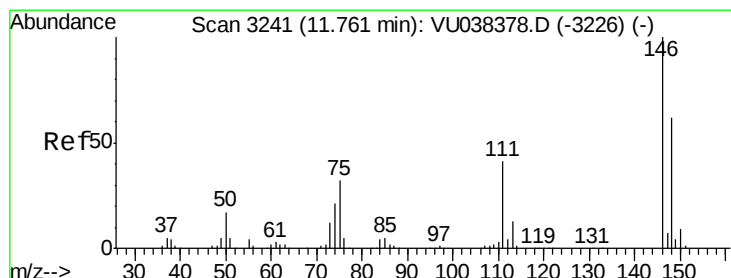
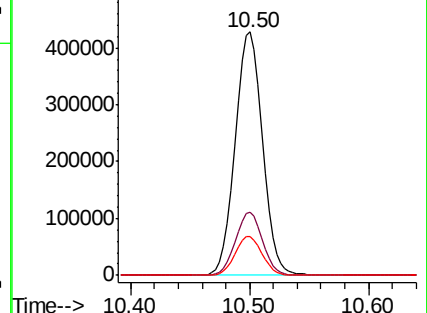
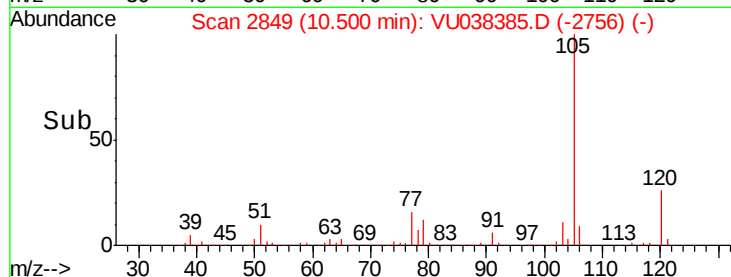
77 15.9 13.0 19.4



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): VU



#62

1,3-Dichlorobenzene

Concen: 0.076 ug/L

RT: 11.76 min Scan# 3240

Delta R.T. -0.00 min

Lab File: VU038385.D

Acq: 29 May 2020 18:52

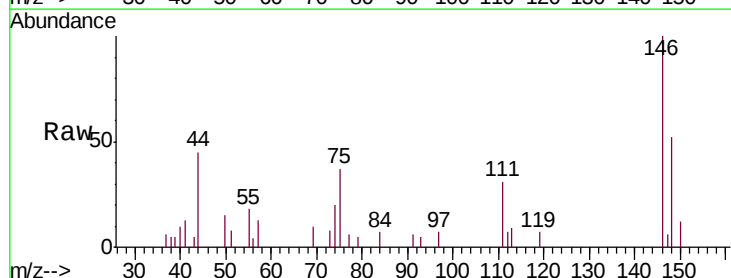
Tgt Ion:146 Resp: 3699

Ion Ratio Lower Upper

146 100

111 31.3 28.6 53.2

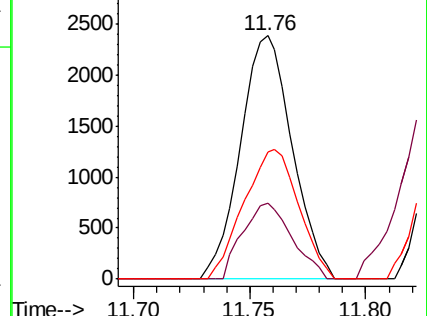
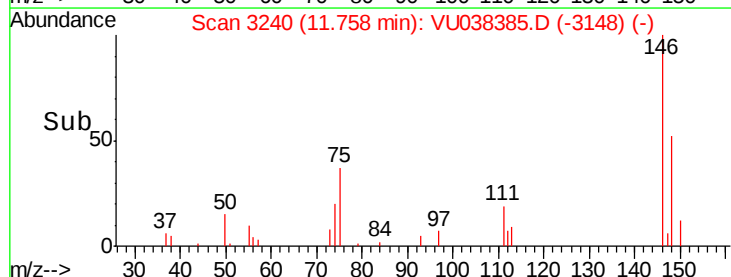
148 52.1 45.2 84.0

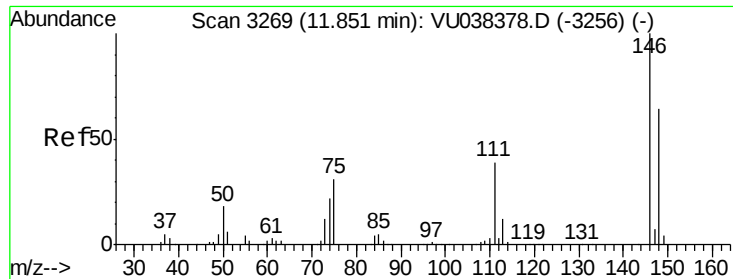


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

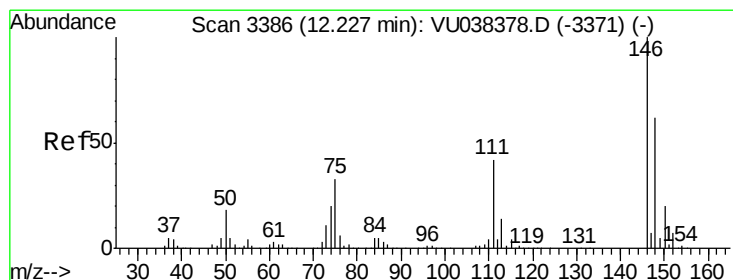
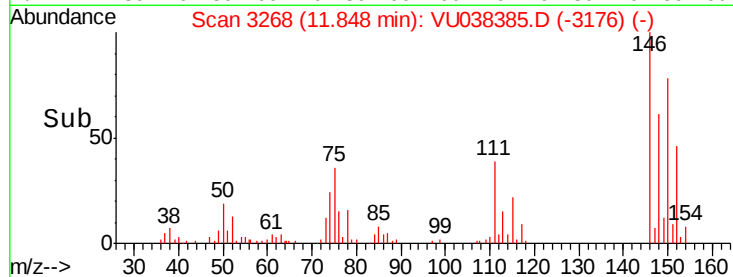
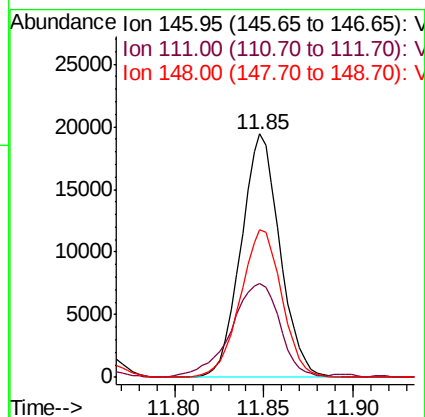
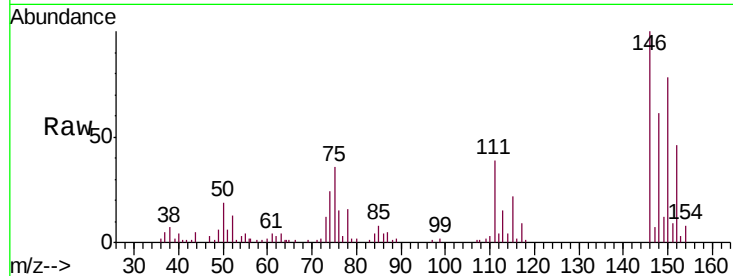




#63  
 1,4-Dichlorobenzene  
 Concen: 0.593 ug/L  
 RT: 11.85 min Scan# 3268  
 Delta R.T. -0.00 min  
 Lab File: VU038385.D  
 Acq: 29 May 2020 18:52

Instrument :  
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 ClientSampled :  
 BE4X4DL

Tgt Ion:146 Resp: 29393  
 Ion Ratio Lower Upper  
 146 100  
 111 38.8 27.2 50.6  
 148 60.5 43.8 81.3



#65  
 1,2-Dichlorobenzene  
 Concen: 0.461 ug/L  
 RT: 12.22 min Scan# 3385  
 Delta R.T. -0.00 min  
 Lab File: VU038385.D  
 Acq: 29 May 2020 18:52

Tgt Ion:146 Resp: 21694  
 Ion Ratio Lower Upper  
 146 100  
 111 44.3 35.3 52.9  
 148 67.7 51.0 76.4

