

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU053120\  
 Data File : VU038415.D  
 Acq On : 30 May 2020 16:01  
 Operator : JC/MD  
 Sample : L2766-06DL 2X  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BE4Y9DL

Quant Time: Jun 01 03:20:32 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR053120WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Mon Jun 01 02:37:32 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 330404   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 325062   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 158248   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 108745   | 5.09     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 101.80% |
| 7) Chloroethane-d5             | 1.93   | 69    | 84132    | 5.12     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 102.40% |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 157694   | 3.75     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 75.00%  |
| 20) 2-Butanone-d5              | 4.67   | 46    | 348573   | 53.66    | ug/L | -0.02   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 107.32% |
| 24) Chloroform-d               | 5.10   | 84    | 203079   | 5.06     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 101.20% |
| 26) 1,2-Dichloroethane-d4      | 5.74   | 65    | 118856   | 5.21     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 104.20% |
| 32) Benzene-d6                 | 5.76   | 84    | 421481   | 5.19     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 103.80% |
| 36) 1,2-Dichloropropane-d6     | 6.72   | 67    | 130524   | 5.23     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 104.60% |
| 41) Toluene-d8                 | 7.92   | 98    | 359642   | 4.94     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 98.80%  |
| 43) trans-1,3-Dichloropropene- | 8.20   | 79    | 51390    | 4.79     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 95.80%  |
| 46) 2-Hexanone-d5              | 8.65   | 63    | 301749   | 56.94    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 113.88% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77  | 84    | 106535   | 5.03     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 100.60% |
| 64) 1,2-Dichlorobenzene-d4     | 12.20  | 152   | 147172   | 5.39     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 107.80% |

## Target Compounds

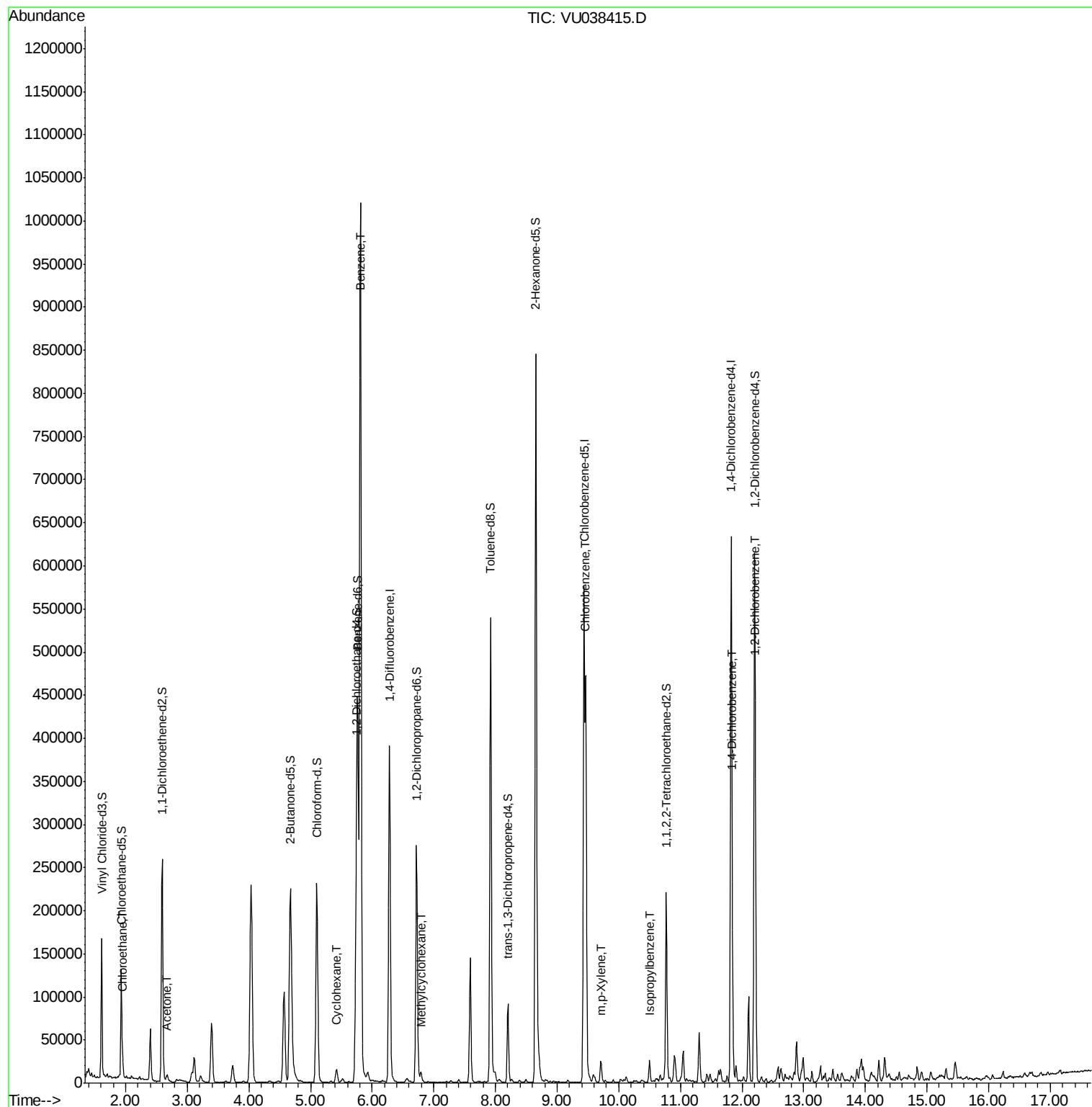
| Target Compounds        | R.T.  | QIon | Response | Conc   | Units  | Ovalue |
|-------------------------|-------|------|----------|--------|--------|--------|
| 8) Chloroethane         | 1.95  | 64   | 11248    | 0.733  | ug/L   | 97     |
| 13) Acetone             | 2.67  | 43   | 11674    | 2.746  | ug/L   | 96     |
| 30) Cyclohexane         | 5.43  | 56   | 7855     | 0.218  | ug/L # | 90     |
| 33) Benzene             | 5.81  | 78   | 979776   | 10.809 | ug/L   | 100    |
| 35) Methylcyclohexane   | 6.79  | 83   | 4995     | 0.137  | ug/L   | 94     |
| 51) Chlorobenzene       | 9.47  | 112  | 242332   | 3.952  | ug/L   | 98     |
| 53) m,p-Xylene          | 9.71  | 106  | 6140     | 0.151  | ug/L   | 98     |
| 56) Isopropylbenzene    | 10.50 | 105  | 16472    | 0.160  | ug/L   | 99     |
| 63) 1,4-Dichlorobenzene | 11.85 | 146  | 31397    | 0.666  | ug/L   | 99     |
| 65) 1,2-Dichlorobenzene | 12.22 | 146  | 32576    | 0.738  | ug/L   | 98     |

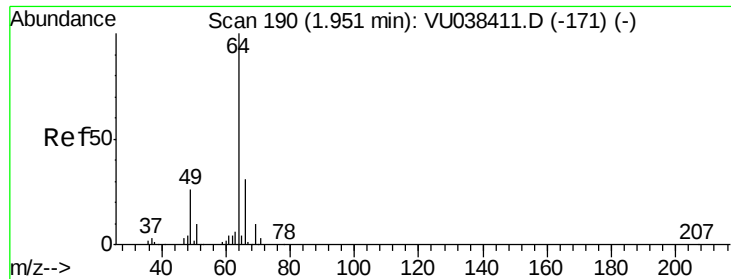
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : L2766-06DL 2X  
Misc : 25.0mL/MSVOA U/WATER  
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MSVOA\_U  
ClientSampleId :  
BE4Y9DL

Quant Time: Jun 01 03:20:32 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR053120WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Mon Jun 01 02:37:32 2020  
Response via : Initial Calibration





#8

Chloroethane

Concen: 0.733 ug/L

RT: 1.95 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU038415.D

Acq: 30 May 2020 16:01

Instrument :

MSVOA\_U

ClientSampleId :

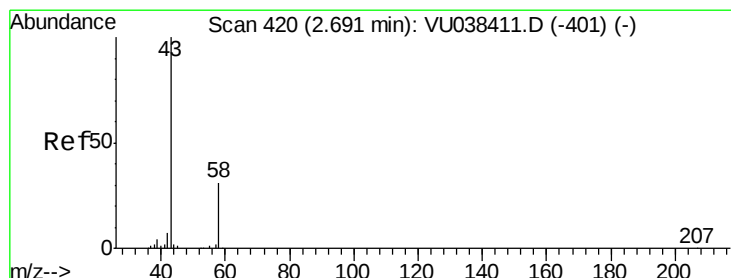
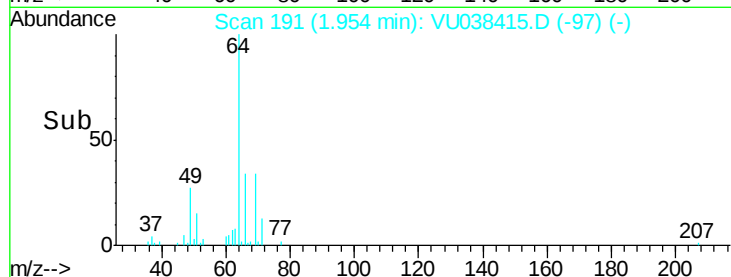
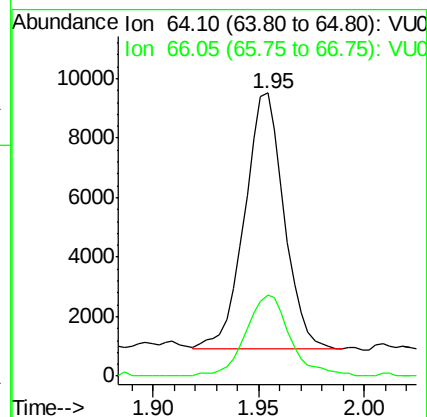
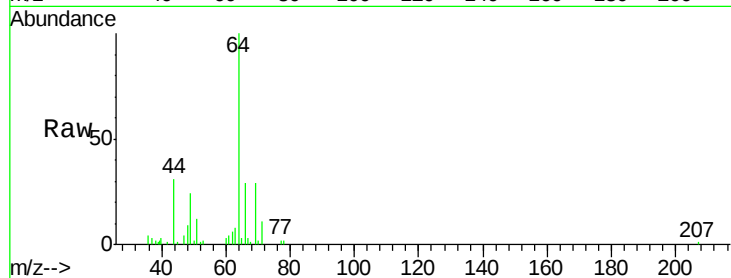
BE4Y9DL

Tot Ion: 64 Resp: 11248

Ion Ratio Lower Upper

64 100

66 28.8 21.5 39.9



#13

Acetone

Concen: 2.746 ug/L

RT: 2.67 min Scan# 415

Delta R.T. -0.02 min

Lab File: VU038415.D

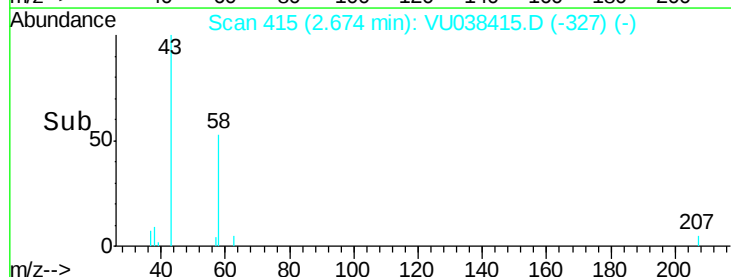
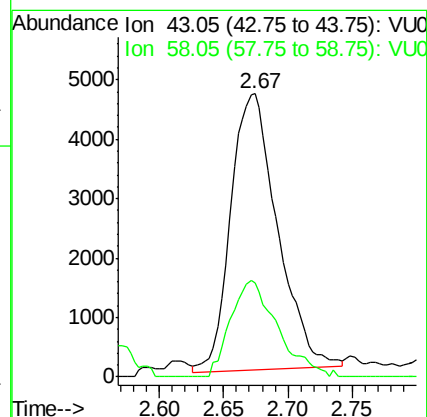
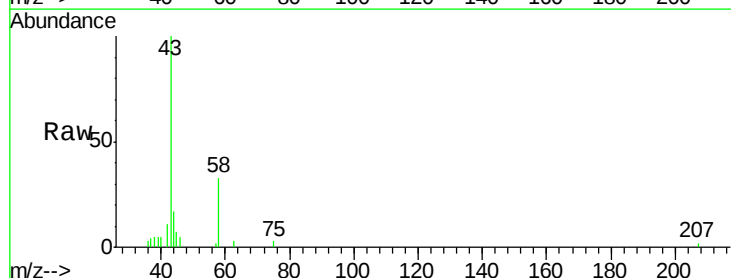
Acq: 30 May 2020 16:01

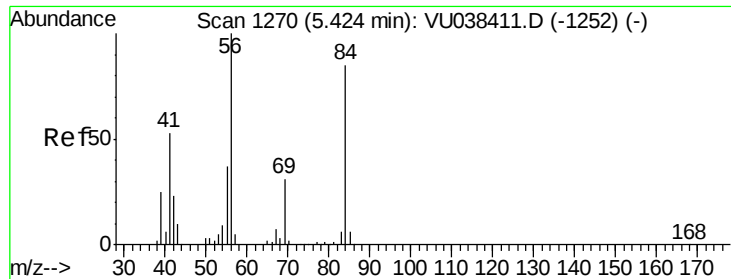
Tgt Ion: 43 Resp: 11674

Ion Ratio Lower Upper

43 100

58 35.1 0.0 65.6

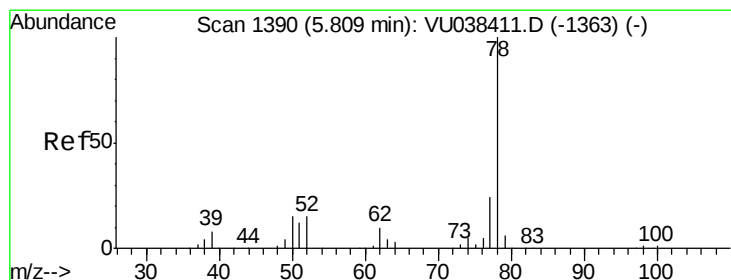
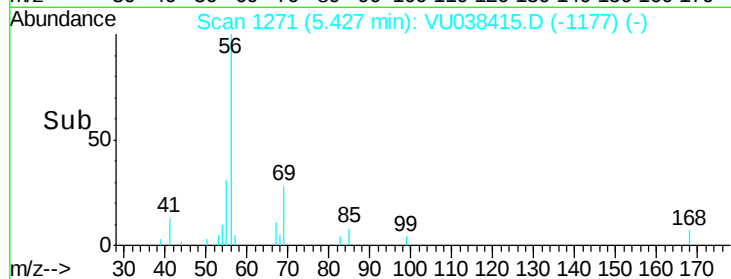
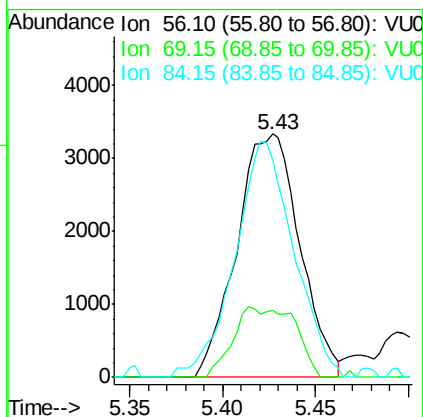
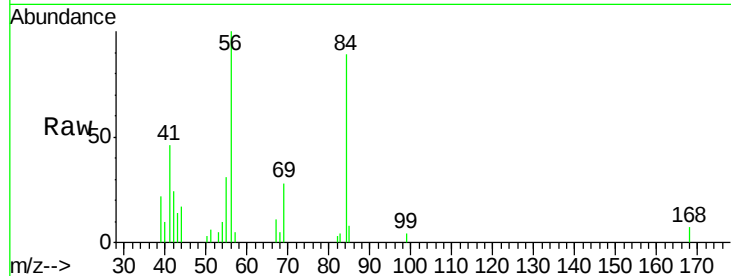




#30  
Cyclohexane  
Concen: 0.218 ug/L  
RT: 5.43 min Scan# 1271  
Delta R.T. 0.00 min  
Lab File: VU038415.D  
Acq: 30 May 2020 16:01

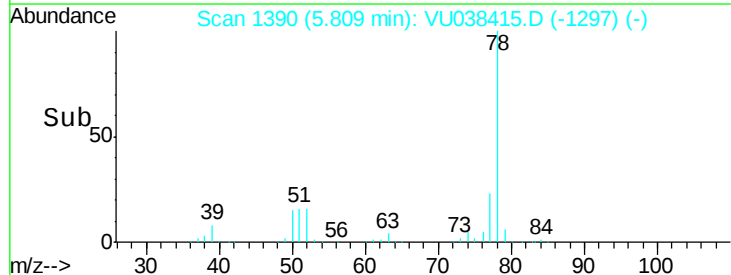
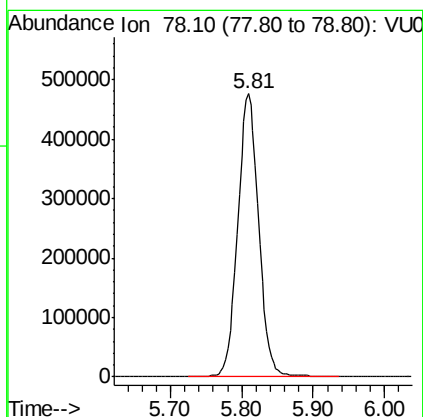
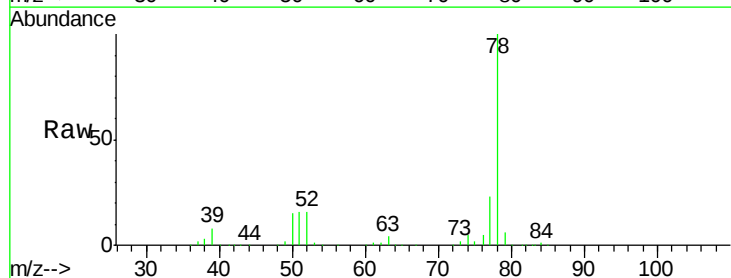
Instrument :  
MSVOA\_U  
ClientSampleId :  
BE4Y9DL

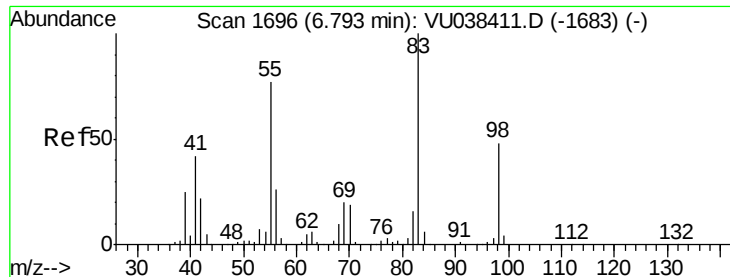
Tot Ion: 56 Resp: 7855  
Ion Ratio Lower Upper  
56 100  
69 13.3 24.2 36.4#  
84 91.1 70.8 106.2



#33  
Benzene  
Concen: 10.809 ug/L  
RT: 5.81 min Scan# 1390  
Delta R.T. -0.00 min  
Lab File: VU038415.D  
Acq: 30 May 2020 16:01

Tgt Ion: 78 Resp: 979776

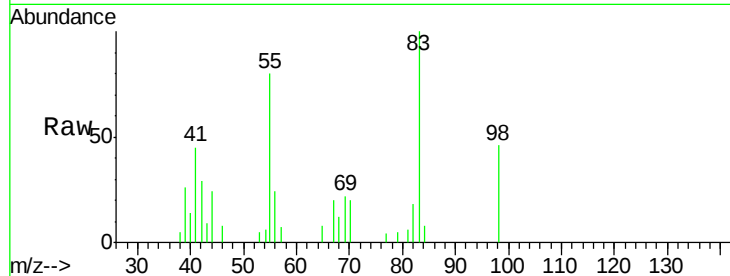




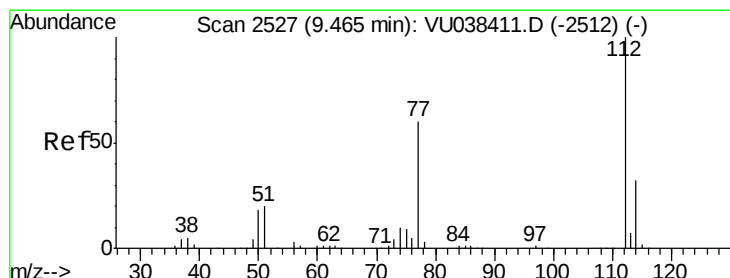
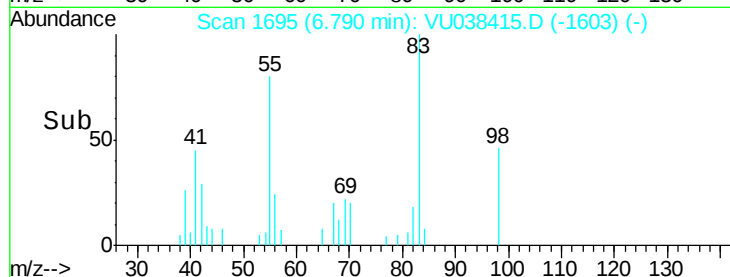
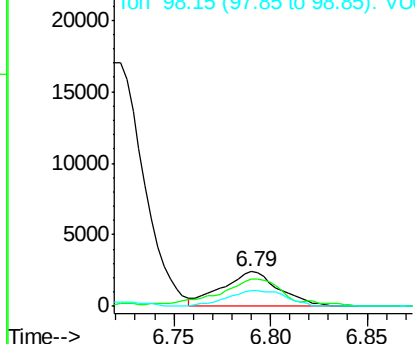
#35  
Methvlcvclohexane  
Concen: 0.137 ug/L  
RT: 6.79 min Scan# 1695  
Delta R.T. -0.00 min  
Lab File: VU038415.D  
Acq: 30 May 2020 16:01

Instrument :  
MSVOA\_U  
ClientSampleId :  
BE4Y9DL

Tot Ion: 83 Resp: 4995  
Ion Ratio Lower Upper  
83 100  
55 85.9 63.4 95.2  
98 47.0 39.0 58.4

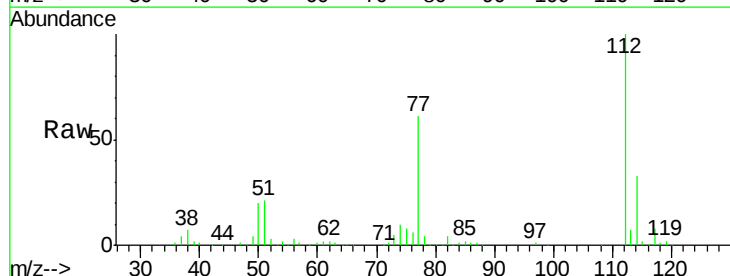


Abundance Ion 83.15 (82.85 to 83.85): VU0  
Ion 55.10 (54.80 to 55.80): VU0  
Ion 98.15 (97.85 to 98.85): VU0

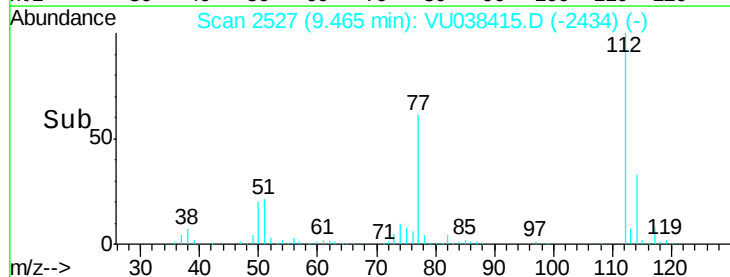
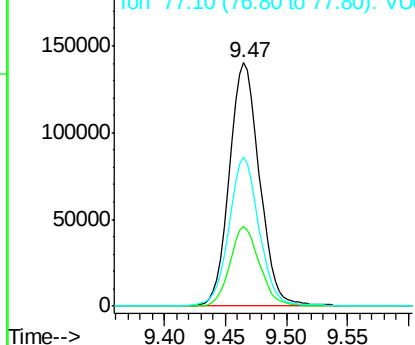


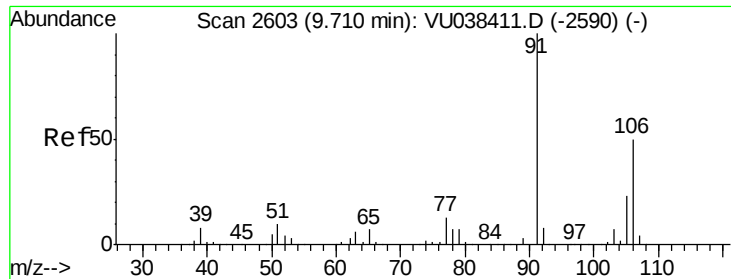
#51  
Chlorobenzene  
Concen: 3.952 ug/L  
RT: 9.47 min Scan# 2527  
Delta R.T. -0.00 min  
Lab File: VU038415.D  
Acq: 30 May 2020 16:01

Tgt Ion: 112 Resp: 242332  
Ion Ratio Lower Upper  
112 100  
114 32.7 22.4 41.6  
77 61.1 47.1 70.7



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): VU0





#53

m,p-Xylene

Concen: 0.151 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU038415.D

Acq: 30 May 2020 16:01

Instrument :

MSVOA\_U

ClientSampled :

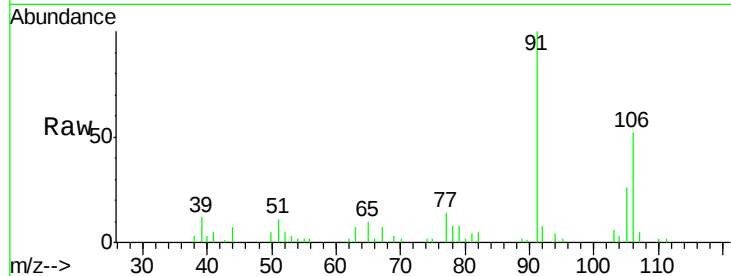
BE4Y9DL

Tot Ion:106 Resp: 6140

Ion Ratio Lower Upper

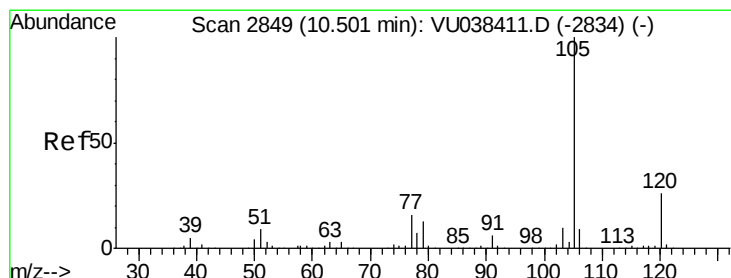
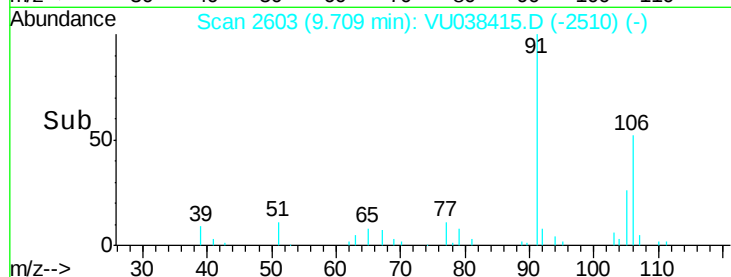
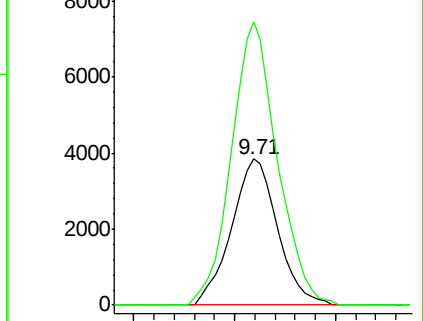
106 100

91 193.8 138.1 256.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#56

Isopropylbenzene

Concen: 0.160 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. -0.00 min

Lab File: VU038415.D

Acq: 30 May 2020 16:01

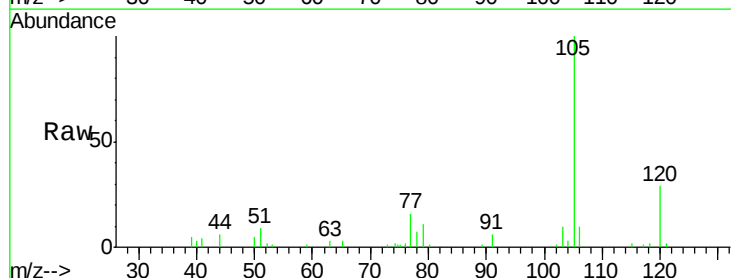
Tgt Ion:105 Resp: 16472

Ion Ratio Lower Upper

105 100

120 26.9 20.7 31.1

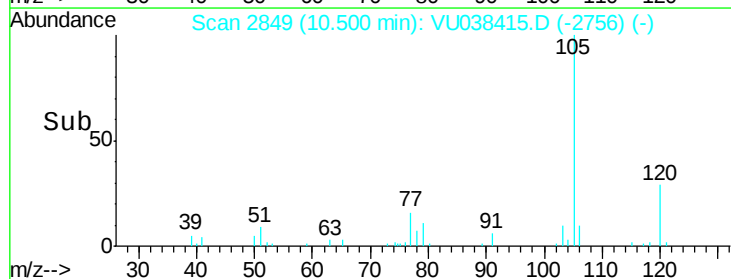
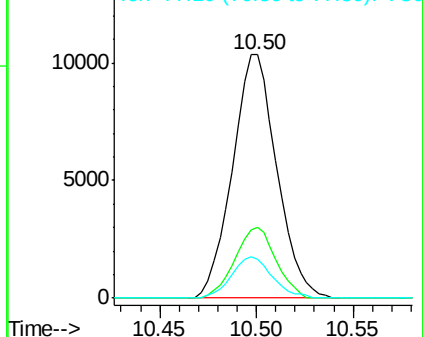
77 15.6 12.5 18.7

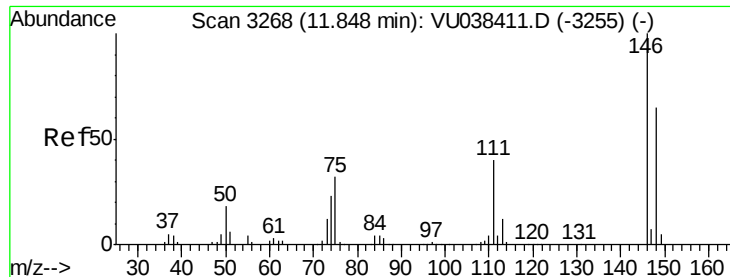


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VU0

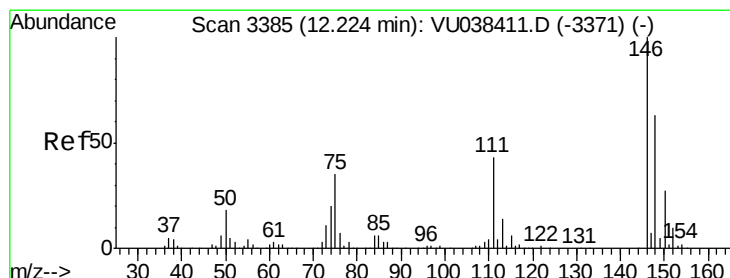
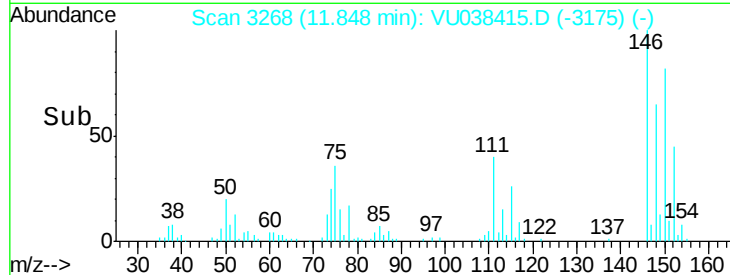
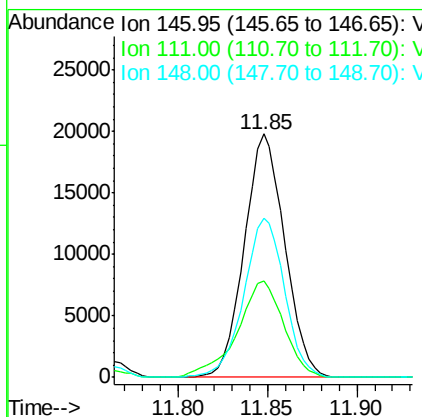
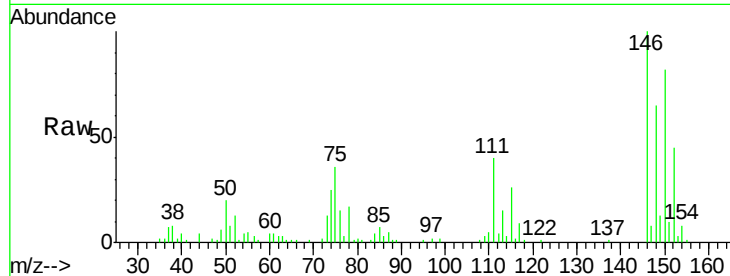




#63  
 1,4-Dichlorobenzene  
 Concen: 0.666 ug/L  
 RT: 11.85 min Scan# 3268  
 Delta R.T. -0.00 min  
 Lab File: VU038415.D  
 Acq: 30 May 2020 16:01

Instrument :  
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 ClientSampleId :  
 BE4Y9DL

Tot Ion:146 Resp: 31397  
 Ion Ratio Lower Upper  
 146 100  
 111 39.7 27.6 51.2  
 148 65.4 44.8 83.2



#65  
 1,2-Dichlorobenzene  
 Concen: 0.738 ug/L  
 RT: 12.22 min Scan# 3385  
 Delta R.T. -0.00 min  
 Lab File: VU038415.D  
 Acq: 30 May 2020 16:01

Tgt Ion:146 Resp: 32576  
 Ion Ratio Lower Upper  
 146 100  
 111 45.1 35.1 52.7  
 148 64.8 50.9 76.3

