

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080720\  
 Data File : VX017831.D  
 Acq On : 07 Aug 2020 17:39  
 Operator : JC/SP  
 Sample : L3600-02  
 Misc : 25.0mL/MSVOA X/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Aug 08 00:13:43 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\SOMXTR080720WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Sat Aug 08 00:10:20 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.83  | 114  | 286934   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 10.10 | 117  | 272829   | 5.00 | ug/L  | 0.00     |
| 61) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 121737   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39   | 65    | 106491   | 5.37     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 107.40% |
| 7) Chloroethane-d5             | 1.69   | 69    | 91003    | 5.78     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 115.60% |
| 11) 1,1-Dichloroethene-d2      | 2.34   | 63    | 160145   | 3.92     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 78.40%  |
| 20) 2-Butanone-d5              | 4.53   | 46    | 275425   | 52.31    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 104.62% |
| 24) Chloroform-d               | 5.13   | 84    | 213581   | 5.31     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 106.20% |
| 26) 1,2-Dichloroethane-d4      | 6.04   | 65    | 119803   | 5.42     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 108.40% |
| 32) Benzene-d6                 | 6.05   | 84    | 412572   | 5.51     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 110.20% |
| 36) 1,2-Dichloropropane-d6     | 7.37   | 67    | 129332   | 5.59     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 111.80% |
| 41) Toluene-d8                 | 8.70   | 98    | 359287   | 5.04     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 100.80% |
| 45) trans-1,3-Dichloropropene- | 8.99   | 79    | 46744    | 4.66     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 93.20%  |
| 48) 2-Hexanone-d5              | 9.43   | 63    | 213761   | 51.29    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 102.58% |
| 59) 1,1,2,2-Tetrachloroethane- | 11.23  | 84    | 86658    | 4.92     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 98.40%  |
| 65) 1,2-Dichlorobenzene-d4     | 12.36  | 152   | 134239   | 5.73     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 114.60% |

## Target Compounds

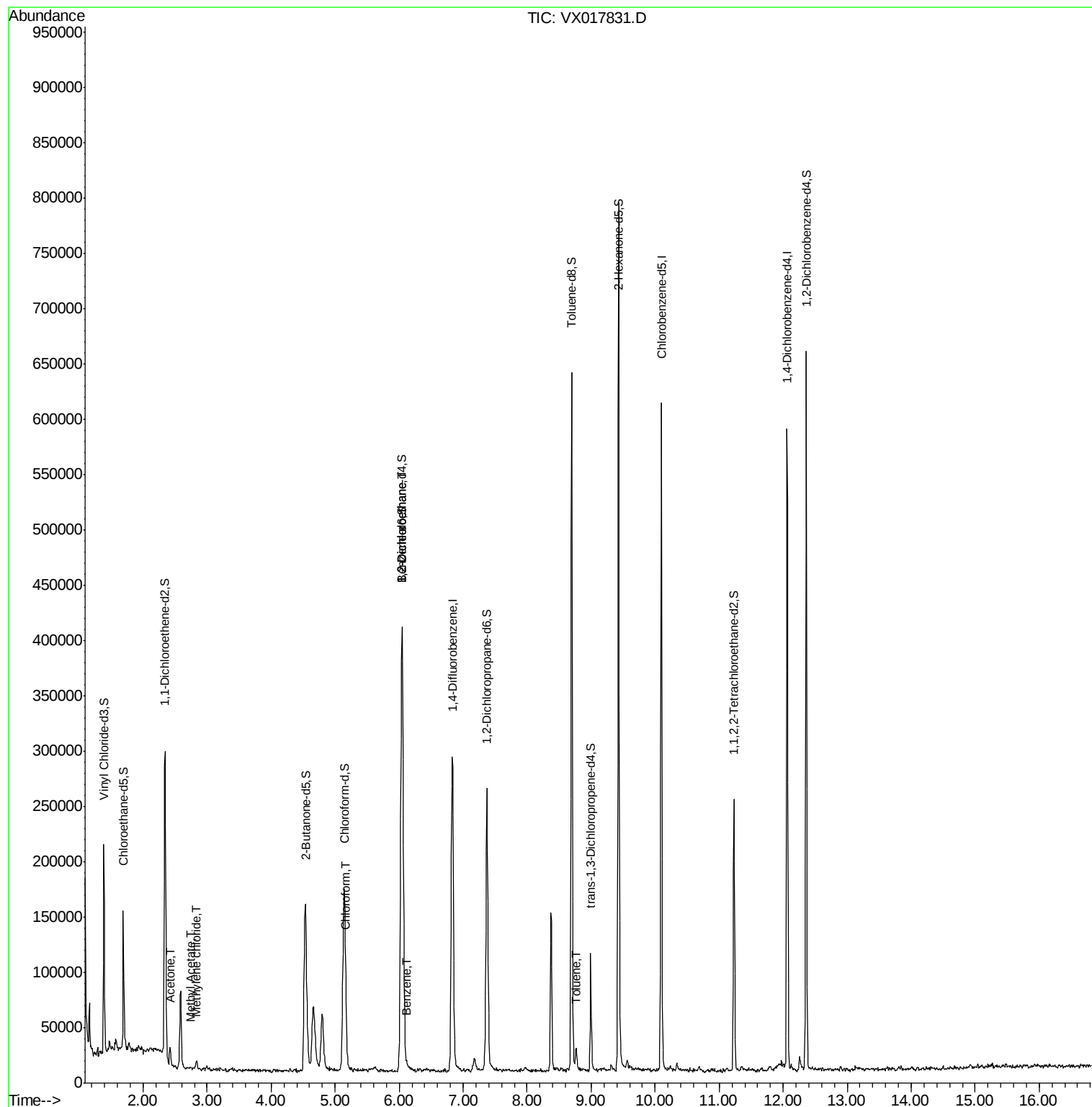
|                        |      |    |       |              | Ovalue |
|------------------------|------|----|-------|--------------|--------|
| 13) Acetone            | 2.42 | 43 | 16401 | 4.263 ug/L   | 90     |
| 15) Methyl Acetate     | 2.75 | 43 | 1449  | 0.128 ug/L # | 84     |
| 16) Methylene chloride | 2.83 | 84 | 3312  | 0.109 ug/L   | 94     |
| 25) Chloroform         | 5.17 | 83 | 10610 | 0.221 ug/L   | 94     |
| 27) 1,2-Dichloroethane | 6.05 | 62 | 3454  | 0.112 ug/L   | 97     |
| 33) Benzene            | 6.12 | 78 | 6963  | 0.072 ug/L   | 100    |
| 42) Toluene            | 8.77 | 91 | 12434 | 0.119 ug/L   | 87     |

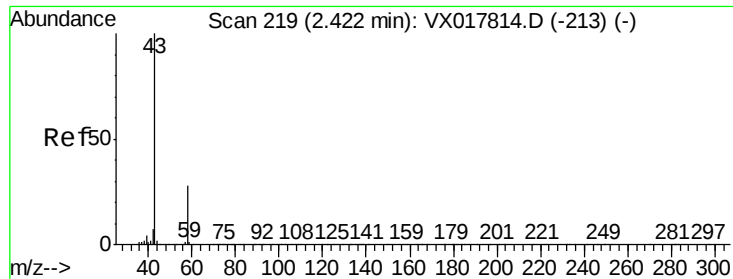
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

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Quant Title : TRACE VOA SOM01.0  
QLast Update : Sat Aug 08 00:10:20 2020  
Response via : Initial Calibration

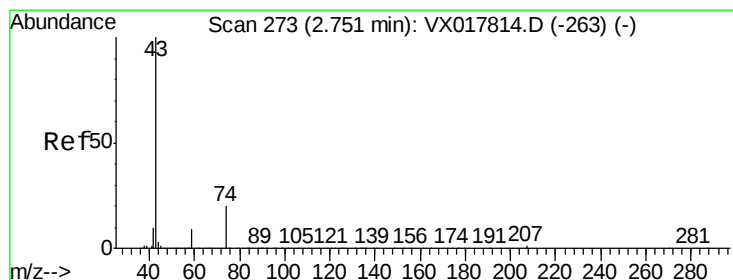
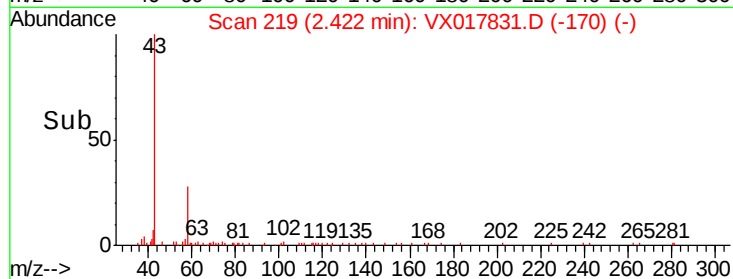
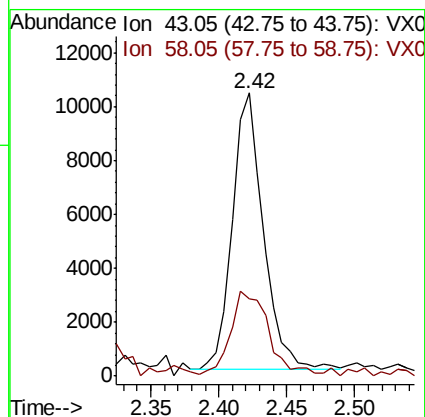
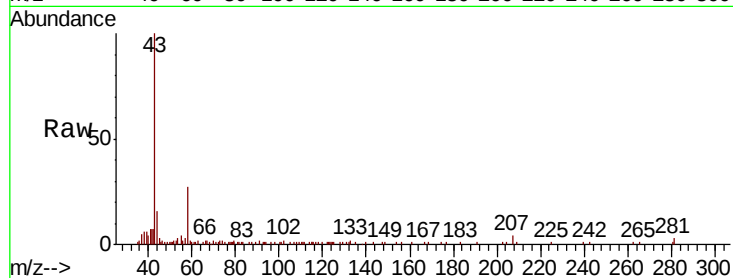




#13  
Acetone  
Concen: 4.263 ug/L  
RT: 2.42 min Scan# 219  
Delta R.T. -0.00 min  
Lab File: VX017831.D  
Acq: 07 Aug 2020 17:39

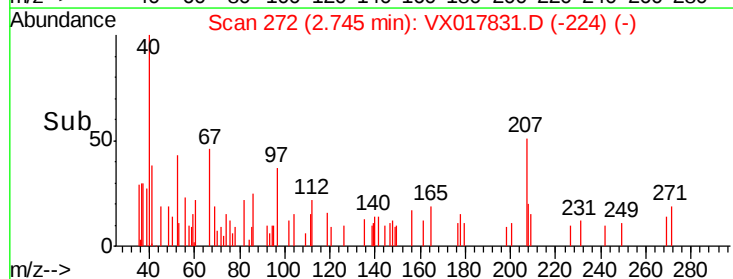
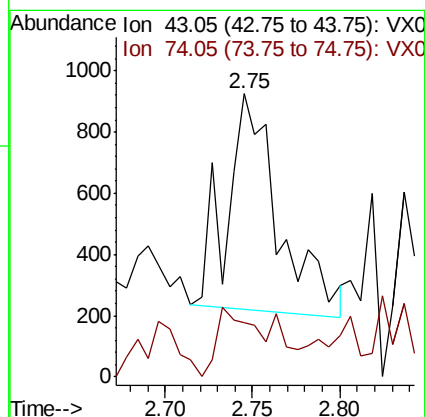
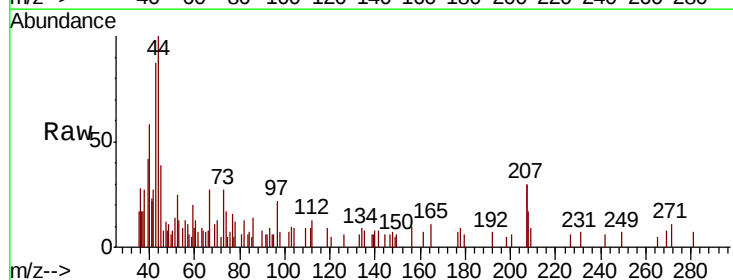
Instrument :  
MSVOA\_X  
ClientSampleId :

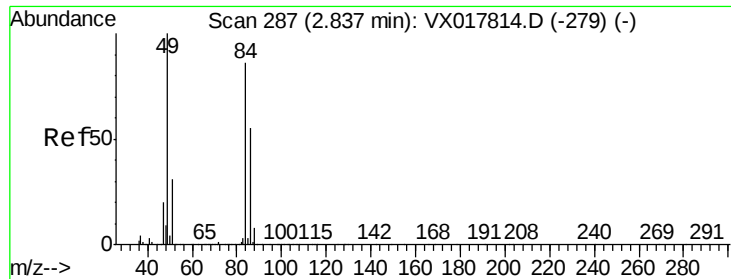
Tot Ion: 43 Resp: 16401  
Ion Ratio Lower Upper  
43 100  
58 35.7 0.0 60.8



#15  
Methyl Acetate  
Concen: 0.128 ug/L  
RT: 2.75 min Scan# 272  
Delta R.T. -0.01 min  
Lab File: VX017831.D  
Acq: 07 Aug 2020 17:39

Tgt Ion: 43 Resp: 1449  
Ion Ratio Lower Upper  
43 100  
74 33.4 20.4 30.6#

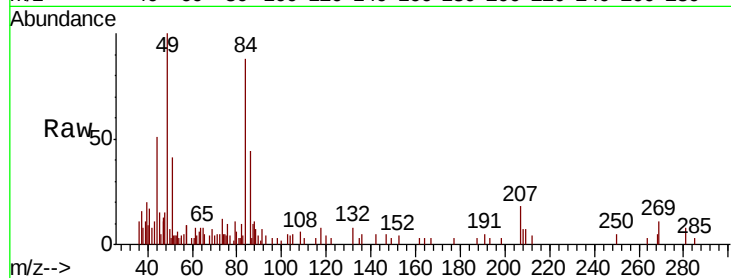




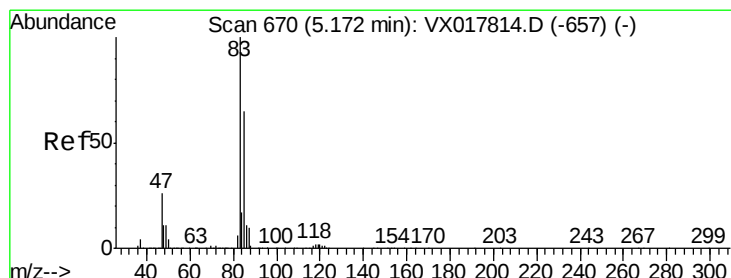
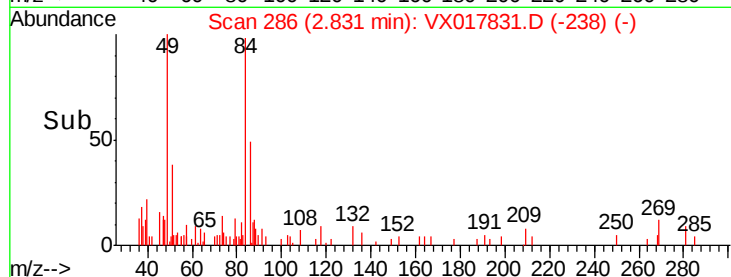
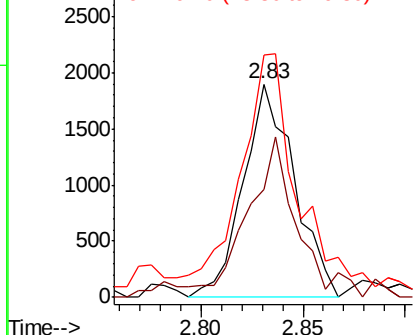
#16  
Methvlene chloride  
Concen: 0.109 ug/L  
RT: 2.83 min Scan# 286  
Delta R.T. -0.01 min  
Lab File: VX017831.D  
Acq: 07 Aug 2020 17:39

Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion: 84 Resp: 3312  
Ion Ratio Lower Upper  
84 100  
86 50.4 43.0 80.0  
49 121.6 86.9 161.3

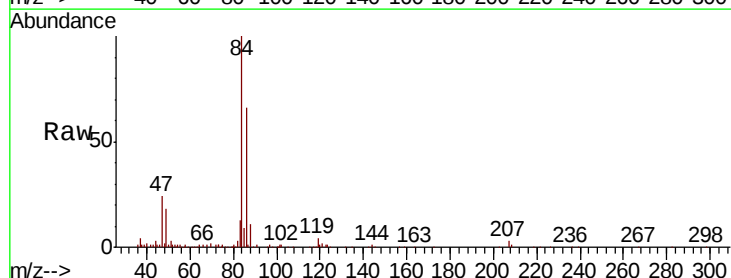


Abundance Ion 84.05 (83.75 to 84.75): VX0  
Ion 86.00 (85.70 to 86.70): VX0  
Ion 49.10 (48.80 to 49.80): VX0

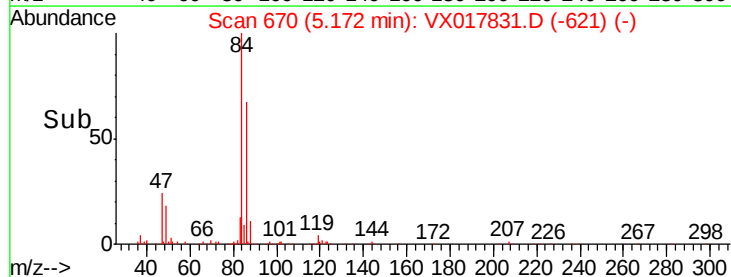
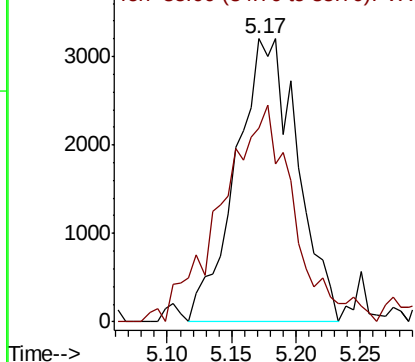


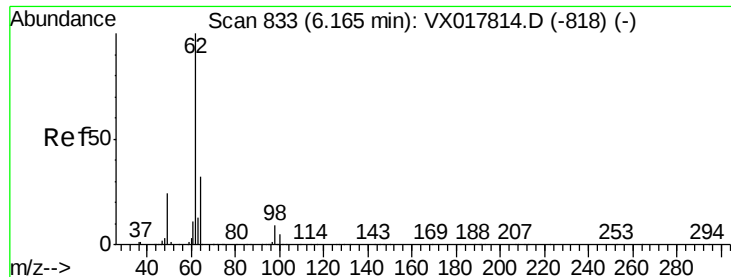
#25  
Chloroform  
Concen: 0.221 ug/L  
RT: 5.17 min Scan# 670  
Delta R.T. -0.00 min  
Lab File: VX017831.D  
Acq: 07 Aug 2020 17:39

Tgt Ion: 83 Resp: 10610  
Ion Ratio Lower Upper  
83 100  
85 68.3 44.7 83.1



Abundance Ion 83.05 (82.75 to 83.75): VX0  
Ion 85.00 (84.70 to 85.70): VX0

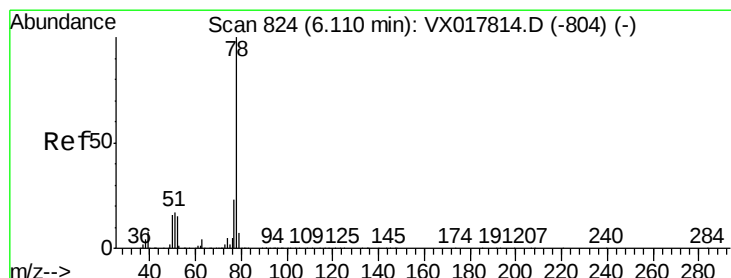
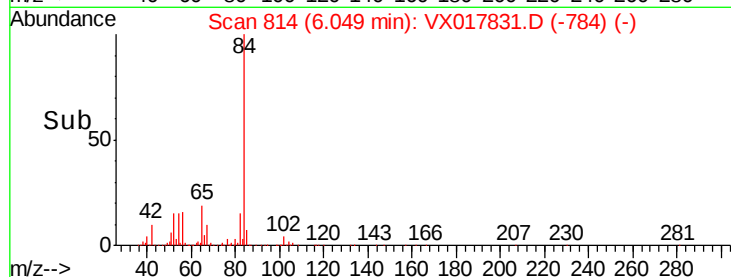
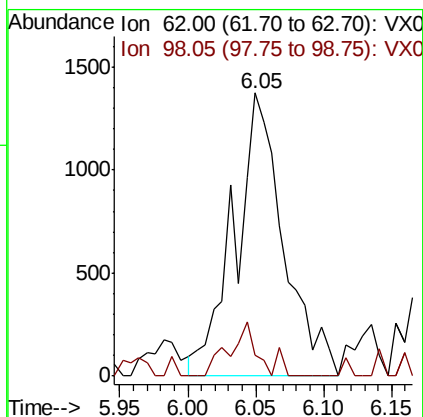
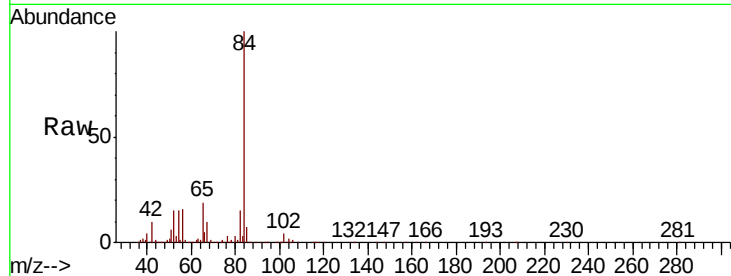




#27  
 1,2-Dichloroethane  
 Concen: 0.112 ug/L  
 RT: 6.05 min Scan# 814  
 Delta R.T. -0.12 min  
 Lab File: VX017831.D  
 Acq: 07 Aug 2020 17:39

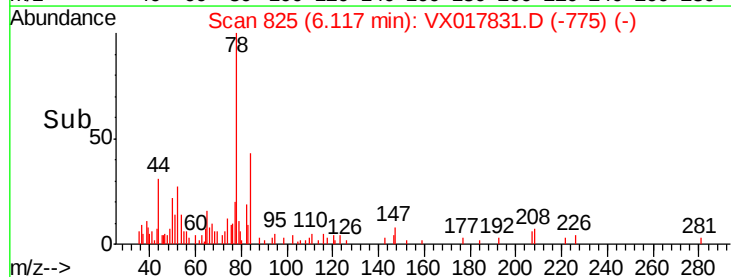
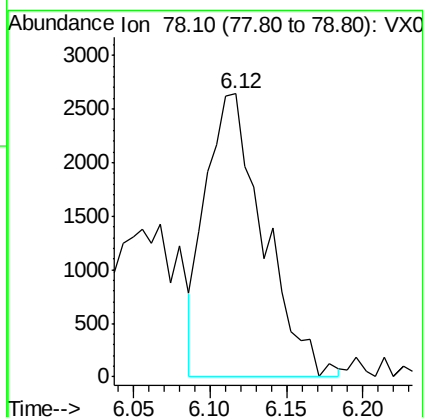
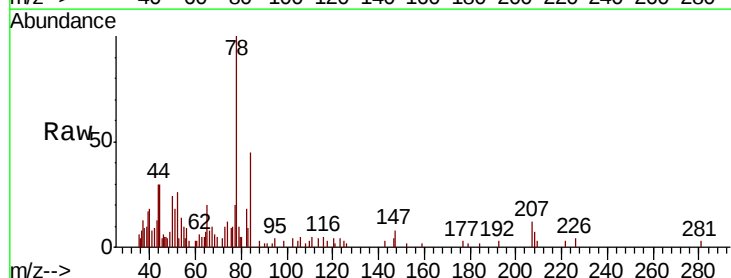
Instrument :  
 MSVOA\_X  
 ClientSampleId :

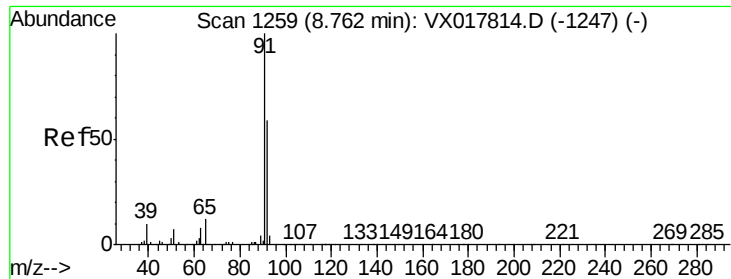
Tot Ion: 62 Resp: 3454  
 Ion Ratio Lower Upper  
 62 100  
 98 7.3 6.7 10.1



#33  
 Benzene  
 Concen: 0.072 ug/L  
 RT: 6.12 min Scan# 825  
 Delta R.T. 0.01 min  
 Lab File: VX017831.D  
 Acq: 07 Aug 2020 17:39

Tgt Ion: 78 Resp: 6963





#42

Toluene

Concen: 0.119 ug/L

RT: 8.77 min Scan# 1260

Delta R.T. 0.01 min

Lab File: VX017831.D

Acq: 07 Aug 2020 17:39

Instrument :

MSVOA\_X

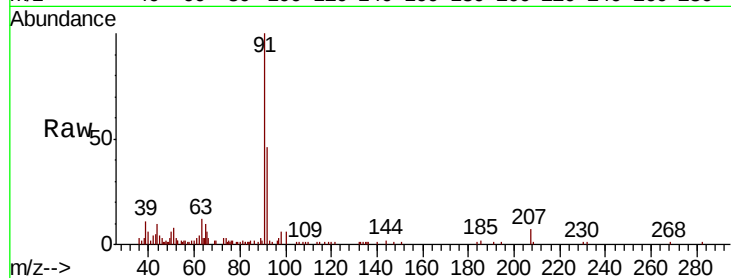
ClientSampleId :

Tot Ion: 91 Resp: 12434

Ion Ratio Lower Upper

91 100

92 45.7 38.8 72.0



Abundance Ion 91.15 (90.85 to 91.85): VX0

Ion 92.15 (91.85 to 92.85): VX0

