

Data File : VU034939.D  
Acq On : 04 Oct 2019 16:49  
Operator : JC/SP  
Sample : K5196-07  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VHBLK01

Quant Time: Oct 05 00:34:50 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR093019WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Sat Oct 05 00:29:19 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.86  | 114  | 197030   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.07  | 117  | 197091   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.46 | 152  | 82027    | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39   | 65    | 69309    | 4.97     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 99.40%  |
| 7) Chloroethane-d5             | 1.67   | 69    | 59107    | 5.19     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 103.80% |
| 11) 1,1-Dichloroethene-d2      | 2.26   | 63    | 94574    | 3.95     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 79.00%  |
| 20) 2-Butanone-d5              | 4.17   | 46    | 174279   | 43.89    | ug/L | -0.02   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 87.78%  |
| 24) Chloroform-d               | 4.62   | 84    | 117707   | 4.99     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 99.80%  |
| 26) 1,2-Dichloroethane-d4      | 5.29   | 65    | 66152    | 4.51     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 90.20%  |
| 32) Benzene-d6                 | 5.32   | 84    | 239754   | 4.93     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 98.60%  |
| 36) 1,2-Dichloropropane-d6     | 6.31   | 67    | 79309    | 4.89     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 97.80%  |
| 41) Toluene-d8                 | 7.54   | 98    | 216631   | 4.64     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 92.80%  |
| 43) trans-1,3-Dichloropropene- | 7.84   | 79    | 26175    | 4.38     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 87.60%  |
| 46) 2-Hexanone-d5              | 8.30   | 63    | 132748   | 45.05    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 90.10%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.41  | 84    | 62221    | 4.81     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 96.20%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.84  | 152   | 75820    | 5.57     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 111.40% |

#### Target Compounds

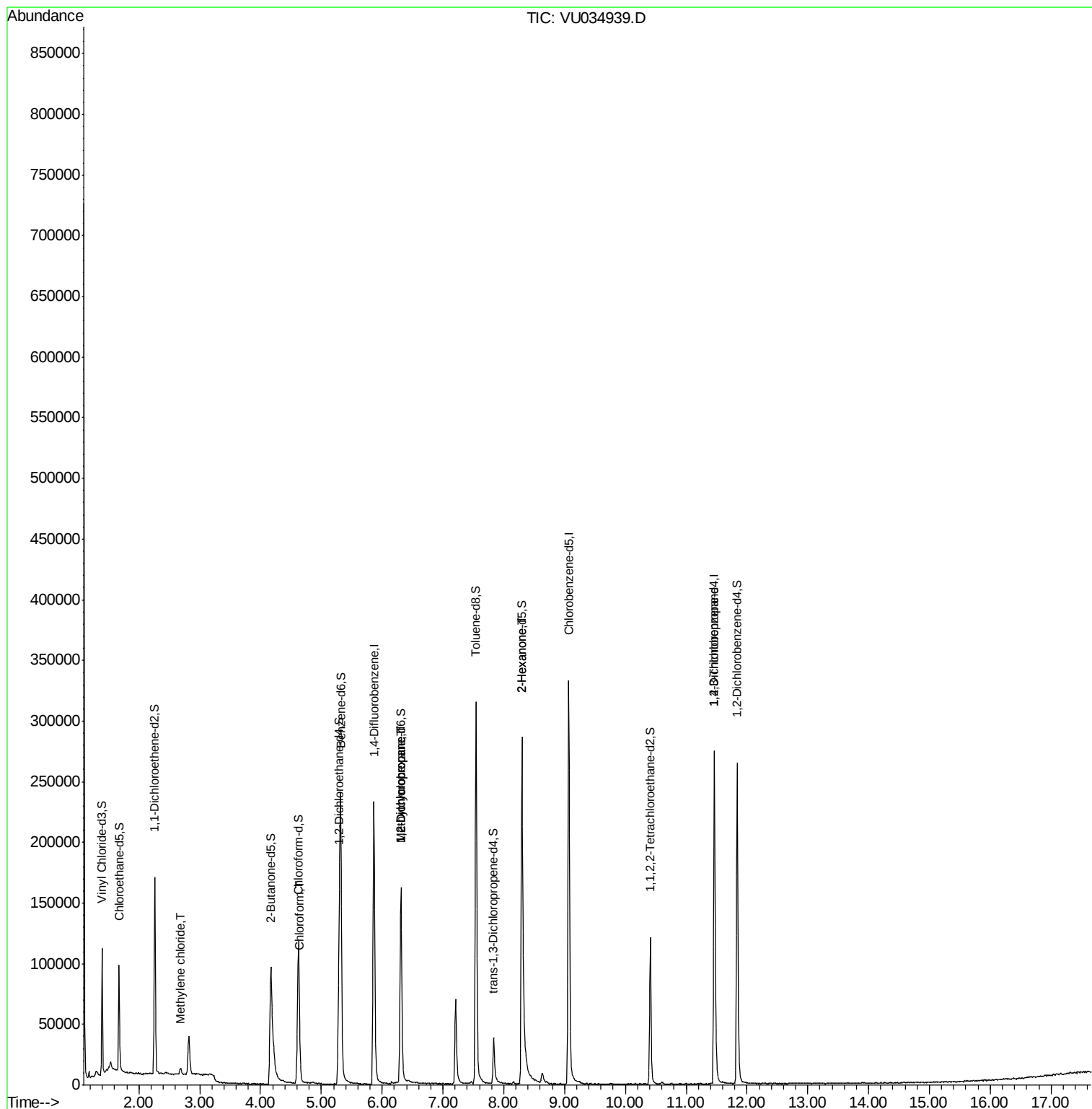
|                            |       |    |       |              | Qvalue |
|----------------------------|-------|----|-------|--------------|--------|
| 16) Methylene chloride     | 2.68  | 84 | 2207  | 0.212 ug/L   | 83     |
| 25) Chloroform             | 4.65  | 83 | 3404  | 0.134 ug/L   | 99     |
| 35) Methylcyclohexane      | 6.31  | 83 | 17470 | 1.336 ug/L # | 15     |
| 37) 1,2-Dichloropropane    | 6.31  | 63 | 8623  | 0.638 ug/L # | 90     |
| 48) 2-Hexanone             | 8.30  | 43 | 15012 | 1.931 ug/L # | 74     |
| 59) 1,2,3-Trichloropropane | 11.46 | 75 | 11065 | 1.144 ug/L   | 98     |

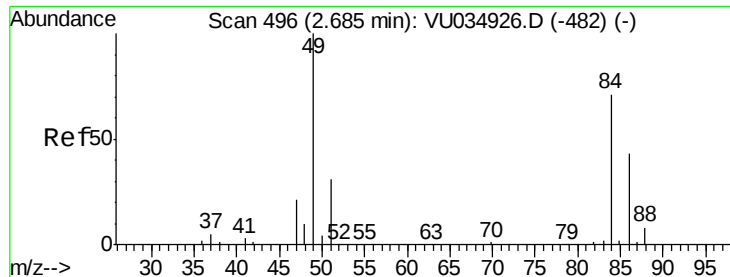
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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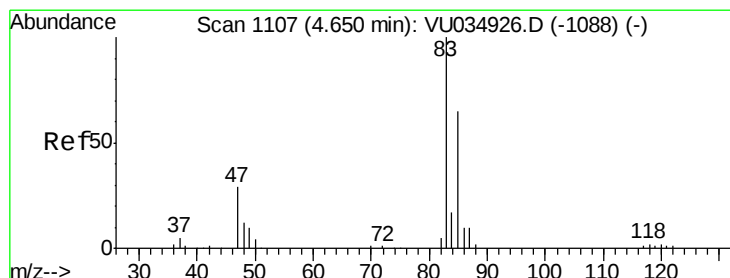
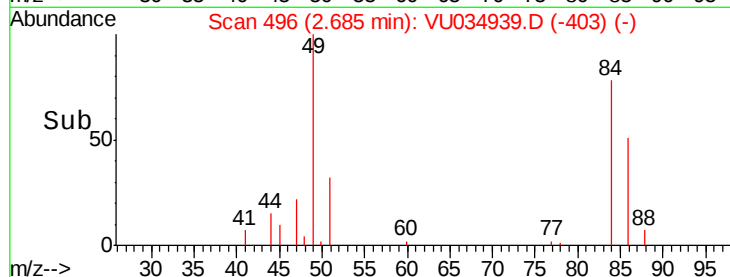
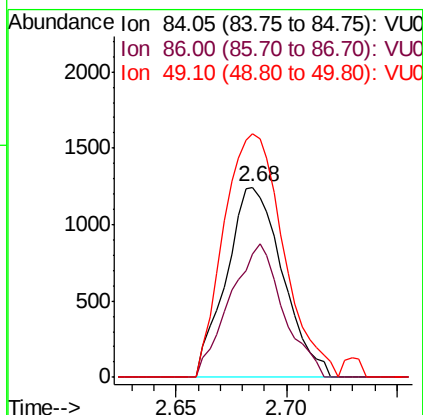
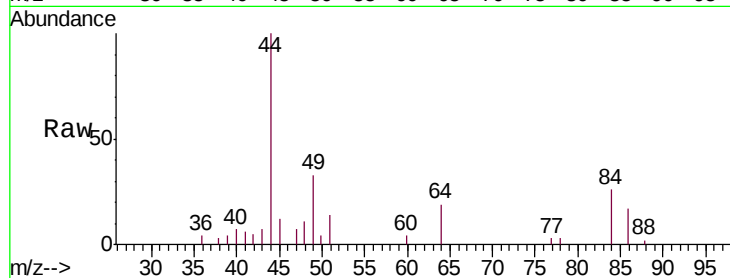




#16  
Methylene chloride  
Concen: 0.212 ug/L  
RT: 2.68 min Scan# 496  
Delta R.T. -0.00 min  
Lab File: VU034939.D  
Acq: 04 Oct 2019 16:49

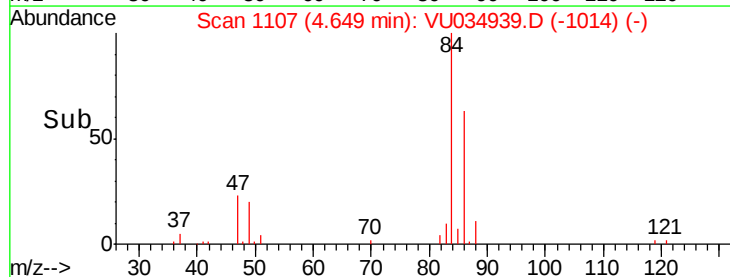
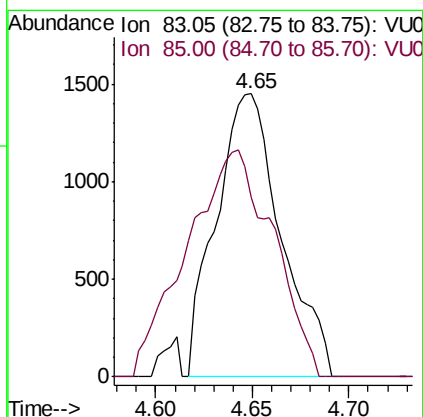
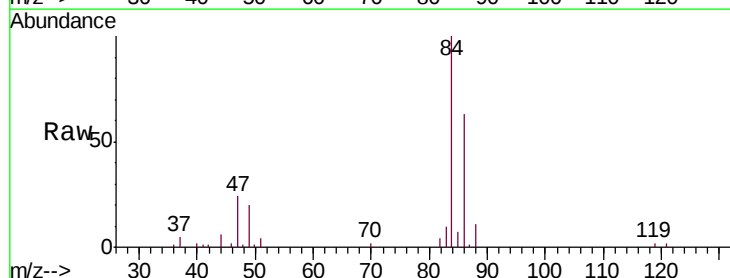
Instrument :  
MSVOA\_U  
ClientSampleId :  
VHBLK01

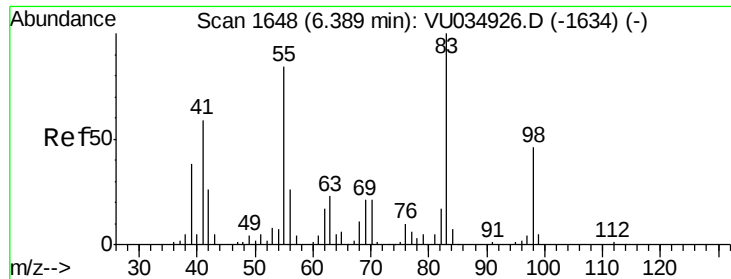
Tgt Ion: 84 Resp: 2207  
Ion Ratio Lower Upper  
84 100  
86 64.6 44.2 82.2  
49 127.8 110.0 204.4



#25  
Chloroform  
Concen: 0.134 ug/L  
RT: 4.65 min Scan# 1107  
Delta R.T. -0.00 min  
Lab File: VU034939.D  
Acq: 04 Oct 2019 16:49

Tgt Ion: 83 Resp: 3404  
Ion Ratio Lower Upper  
83 100  
85 63.6 45.2 84.0

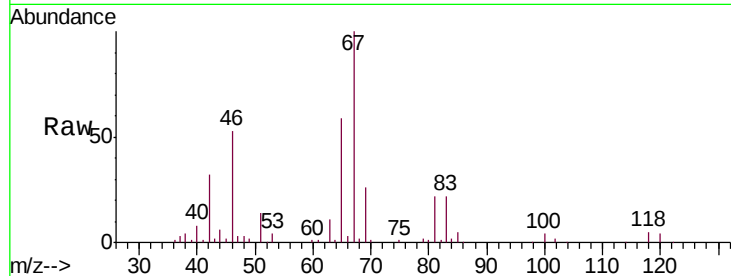




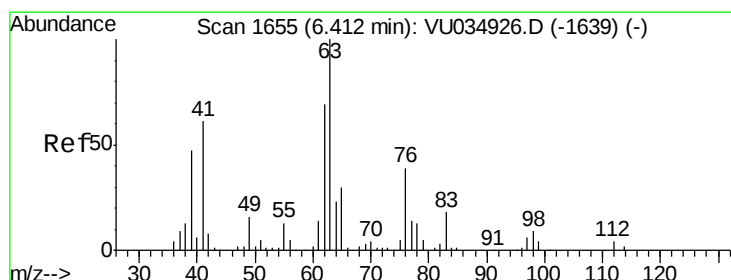
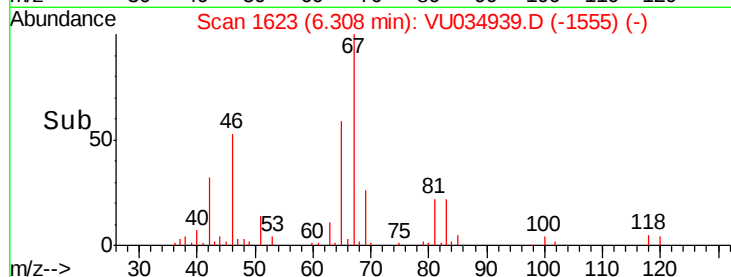
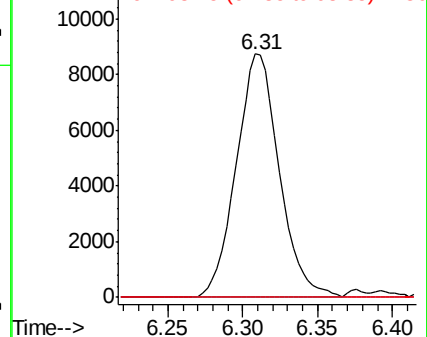
#35  
Methylcyclohexane  
Concen: 1.336 ug/L  
RT: 6.31 min Scan# 1623  
Delta R.T. -0.08 min  
Lab File: VU034939.D  
Acq: 04 Oct 2019 16:49

Instrument :  
MSVOA\_U  
ClientSampleId :  
VHBLK01

Tgt Ion: 83 Resp: 17470  
Ion Ratio Lower Upper  
83 100  
55 0.0 68.9 103.3#  
98 0.6 36.6 54.8#

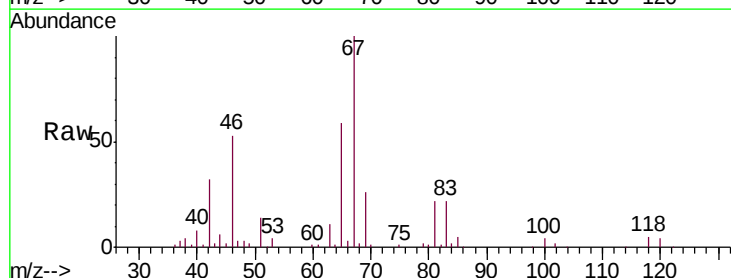


Abundance Ion 83.15 (82.85 to 83.85): VU0  
Ion 55.10 (54.80 to 55.80): VU0  
Ion 98.15 (97.85 to 98.85): VU0

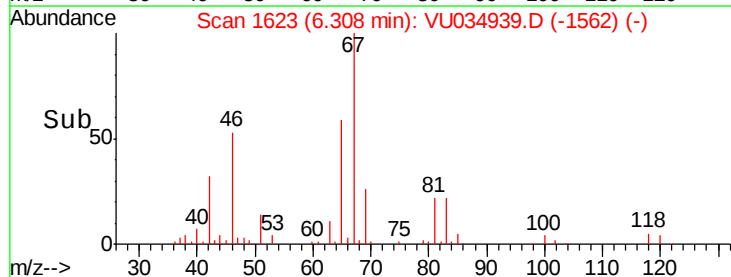
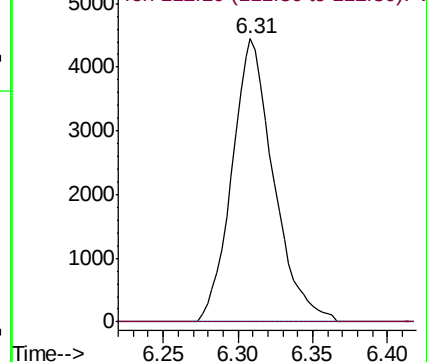


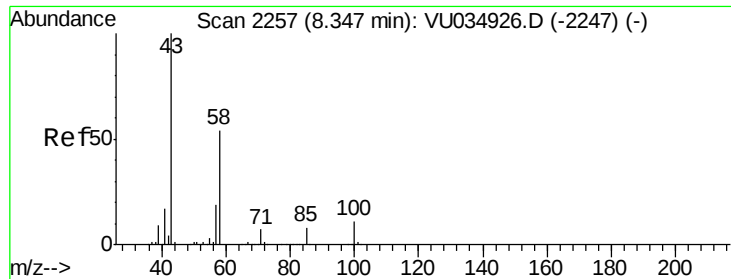
#37  
1,2-Dichloropropane  
Concen: 0.638 ug/L  
RT: 6.31 min Scan# 1623  
Delta R.T. -0.10 min  
Lab File: VU034939.D  
Acq: 04 Oct 2019 16:49

Tgt Ion: 63 Resp: 8623  
Ion Ratio Lower Upper  
63 100  
112 0.0 2.6 4.0#



Abundance Ion 63.10 (62.80 to 63.80): VU0  
Ion 112.10 (111.80 to 112.80): V

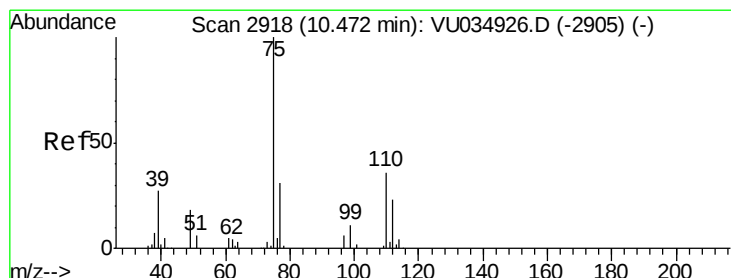
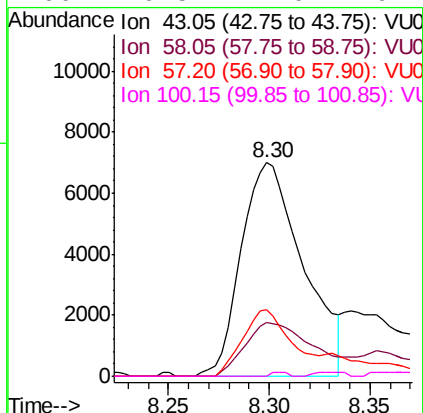
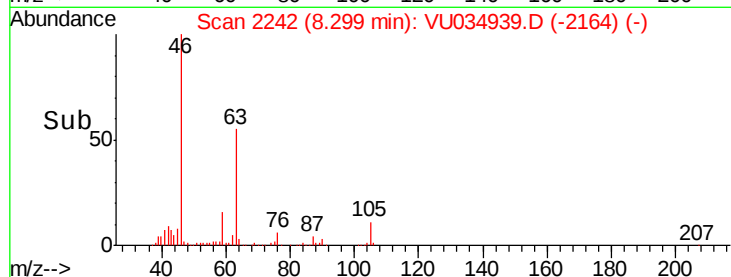
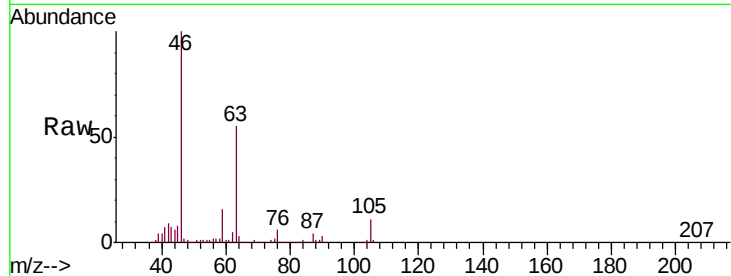




#48  
 2-Hexanone  
 Concen: 1.931 ug/L  
 RT: 8.30 min Scan# 2242  
 Delta R.T. -0.05 min  
 Lab File: VU034939.D  
 Acq: 04 Oct 2019 16:49

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VHBLK01

Tgt Ion: 43 Resp: 15012  
 Ion Ratio Lower Upper  
 43 100  
 58 27.5 37.1 55.7#  
 57 24.9 13.4 20.0#  
 100 0.5 7.0 10.4#



#59  
 1,2,3-Trichloropropane  
 Concen: 1.144 ug/L  
 RT: 11.46 min Scan# 3226  
 Delta R.T. 0.99 min  
 Lab File: VU034939.D  
 Acq: 04 Oct 2019 16:49

Tgt Ion: 75 Resp: 11065  
 Ion Ratio Lower Upper  
 75 100  
 77 34.0 26.5 39.7

