

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042820\  
 Data File : VV015749.D  
 Acq On : 28 Apr 2020 16:04  
 Operator : SY/MD  
 Sample : L2416-07  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Apr 29 00:44:04 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR042220WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Apr 29 00:40:59 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 123849   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 121317   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 55548    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.31   | 65    | 40010    | 6.18     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 123.60% |
| 7) Chloroethane-d5             | 1.57   | 69    | 33915    | 5.44     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 108.80% |
| 11) 1,1-Dichloroethene-d2      | 2.12   | 63    | 56432    | 3.98     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 79.60%  |
| 20) 2-Butanone-d5              | 3.95   | 46    | 21459    | 10.33    | ug/L | 0.01    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 20.66%# |
| 24) Chloroform-d               | 4.38   | 84    | 65592    | 4.35     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 87.00%  |
| 26) 1,2-Dichloroethane-d4      | 5.06   | 65    | 41012    | 4.86     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 97.20%  |
| 32) Benzene-d6                 | 5.07   | 84    | 136106   | 4.70     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 94.00%  |
| 36) 1,2-Dichloropropane-d6     | 6.10   | 67    | 41207    | 4.45     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 89.00%  |
| 41) Toluene-d8                 | 7.34   | 98    | 120697   | 4.39     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 87.80%  |
| 43) trans-1,3-Dichloropropene- | 7.65   | 79    | 13572    | 3.79     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 75.80%  |
| 46) 2-Hexanone-d5              | 8.12   | 63    | 65946    | 37.80    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 75.60%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24  | 84    | 28430    | 4.13     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 82.60%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65  | 152   | 43582    | 4.62     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 92.40%  |

## Target Compounds

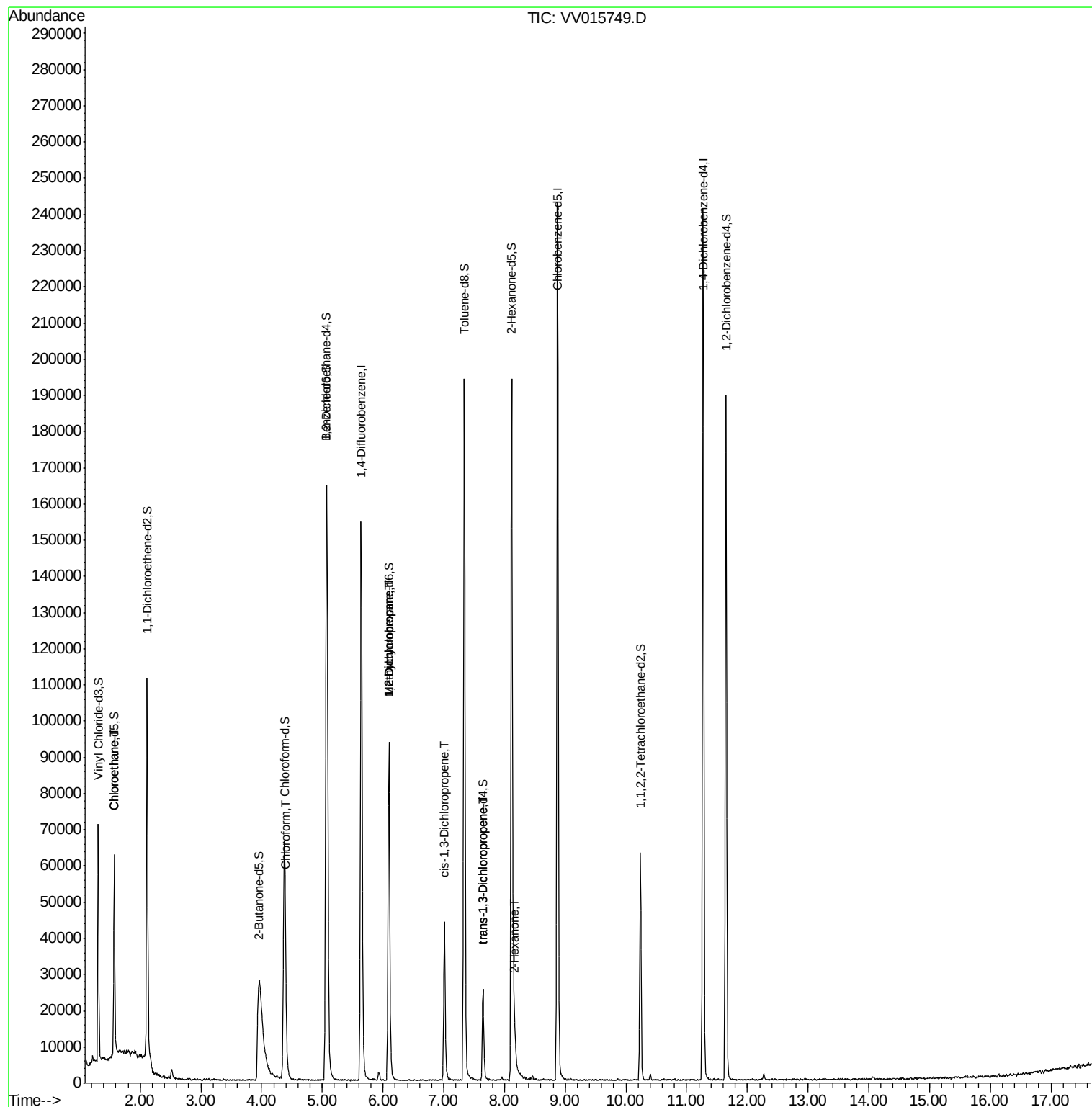
|                               |      |    |       |              | Ovalue |
|-------------------------------|------|----|-------|--------------|--------|
| 8) Chloroethane               | 1.58 | 64 | 4162  | 0.647 ug/L # | 63     |
| 25) Chloroform                | 4.40 | 83 | 6557  | 0.390 ug/L   | 95     |
| 35) Methylcyclohexane         | 6.10 | 83 | 10450 | 0.711 ug/L # | 16     |
| 37) 1,2-Dichloropropane       | 6.10 | 63 | 5324  | 0.604 ug/L # | 86     |
| 39) cis-1,3-Dichloropropene   | 7.01 | 75 | 1245  | 0.101 ug/L # | 59     |
| 44) trans-1,3-Dichloropropene | 7.65 | 75 | 652   | 0.063 ug/L   | 84     |
| 48) 2-Hexanone                | 8.17 | 43 | 6357  | 1.559 ug/L # | 90     |

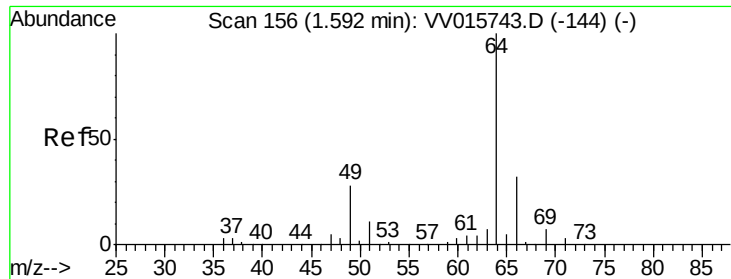
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_V  
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Quant Title : TRACE VOA SOM01.0  
QLast Update : Wed Apr 29 00:40:59 2020  
Response via : Initial Calibration

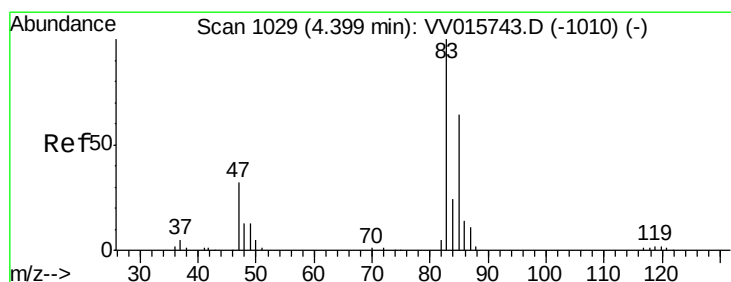
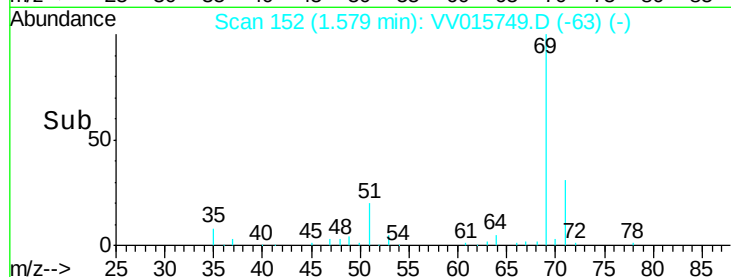
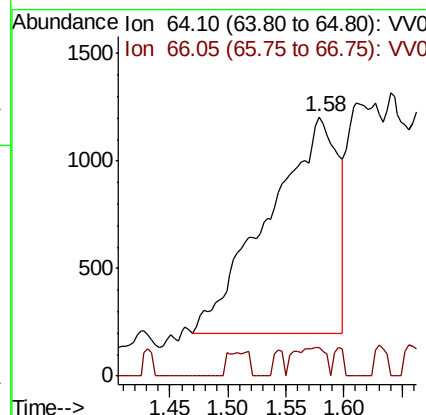
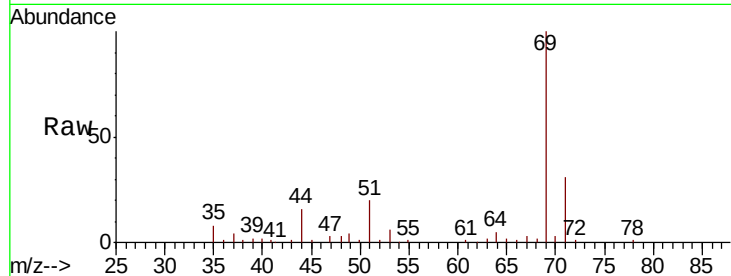




#8  
Chloroethane  
Concen: 0.647 ug/L  
RT: 1.58 min Scan# 152  
Delta R.T. -0.01 min  
Lab File: VV015749.D  
Acq: 28 Apr 2020 16:04

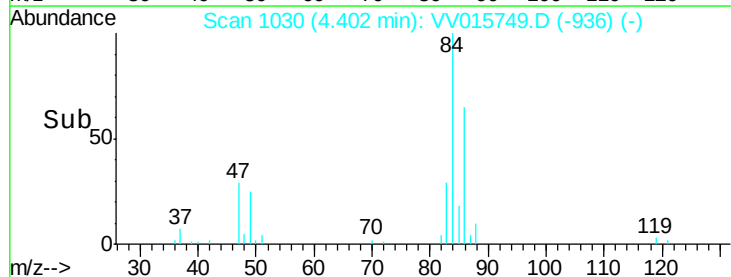
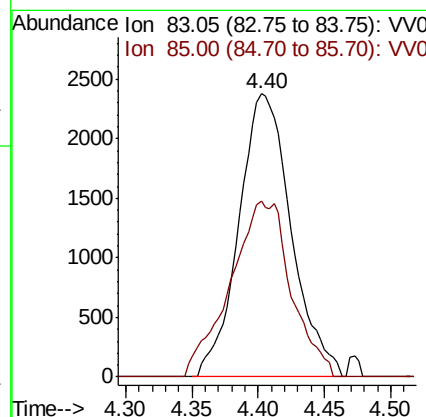
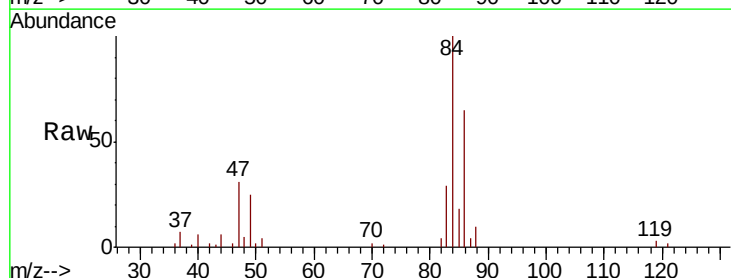
Instrument :  
MSVOA\_V  
ClientSampleId :

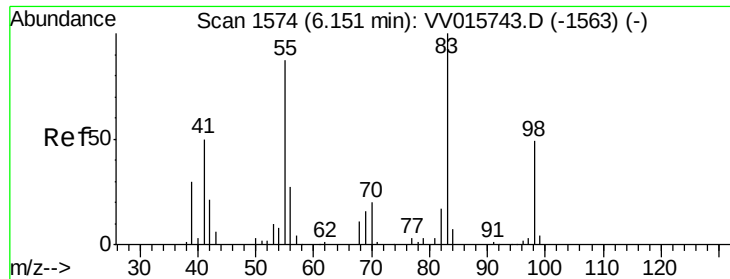
Tot Ion: 64 Resp: 4162  
Ion Ratio Lower Upper  
64 100  
66 11.0 22.3 41.5#



#25  
Chloroform  
Concen: 0.390 ug/L  
RT: 4.40 min Scan# 1030  
Delta R.T. 0.00 min  
Lab File: VV015749.D  
Acq: 28 Apr 2020 16:04

Tgt Ion: 83 Resp: 6557  
Ion Ratio Lower Upper  
83 100  
85 62.2 46.1 85.5

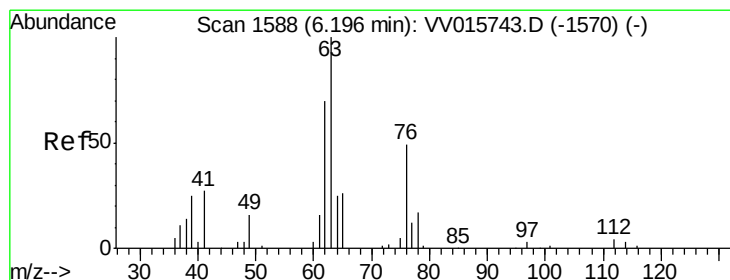
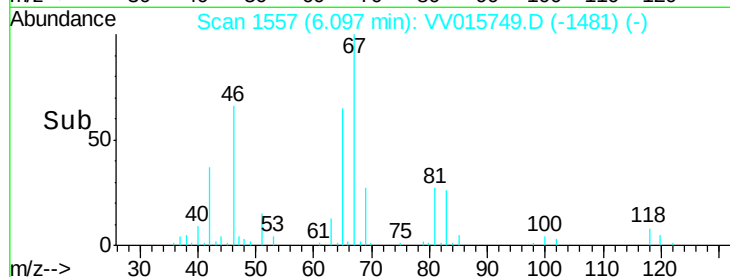
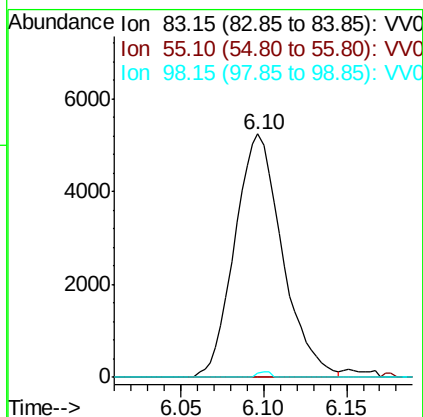
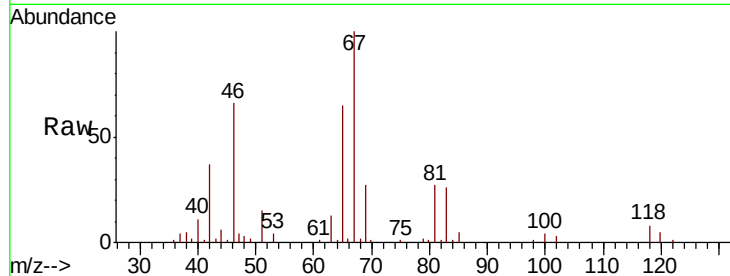




#35  
Methvlcvclohexane  
Concen: 0.711 ug/L  
RT: 6.10 min Scan# 1557  
Delta R.T. -0.05 min  
Lab File: VV015749.D  
Acq: 28 Apr 2020 16:04

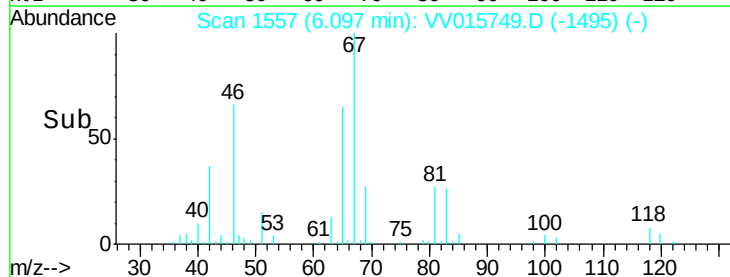
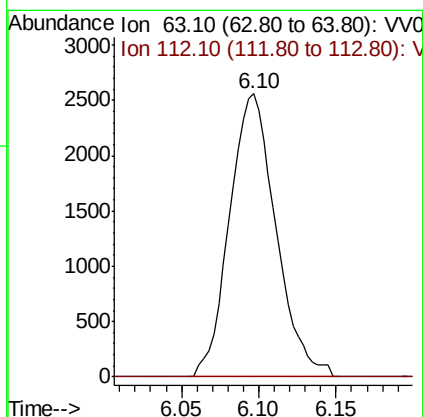
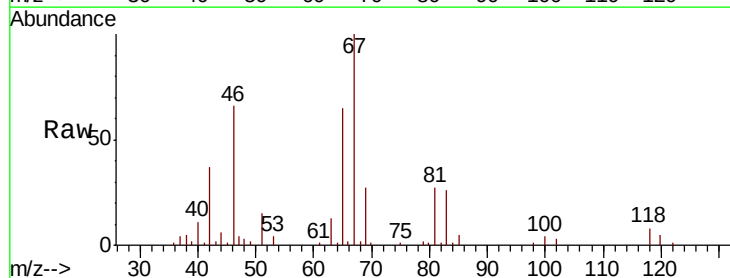
Instrument :  
MSVOA\_V  
ClientSampleId :

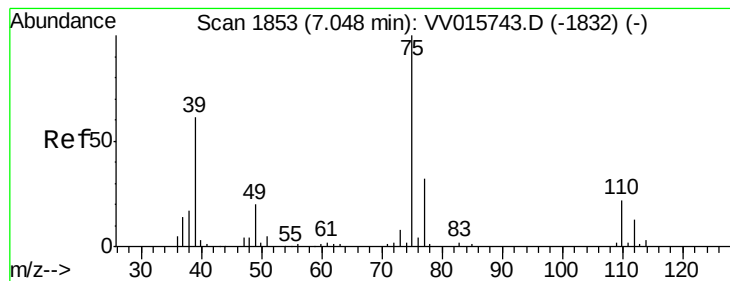
Tot Ion: 83 Resp: 10450  
Ion Ratio Lower Upper  
83 100  
55 0.4 66.6 99.8#  
98 0.6 39.5 59.3#



#37  
1,2-Dichloropropane  
Concen: 0.604 ug/L  
RT: 6.10 min Scan# 1557  
Delta R.T. -0.10 min  
Lab File: VV015749.D  
Acq: 28 Apr 2020 16:04

Tgt Ion: 63 Resp: 5324  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.6 5.4#



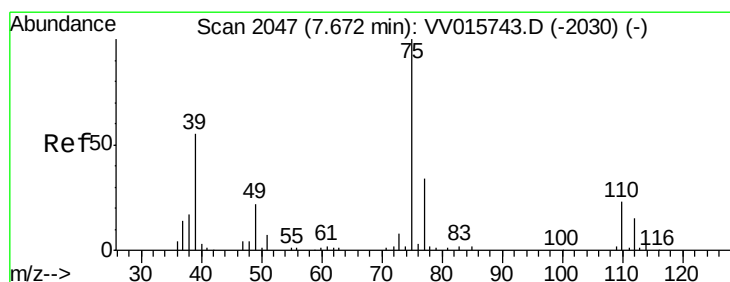
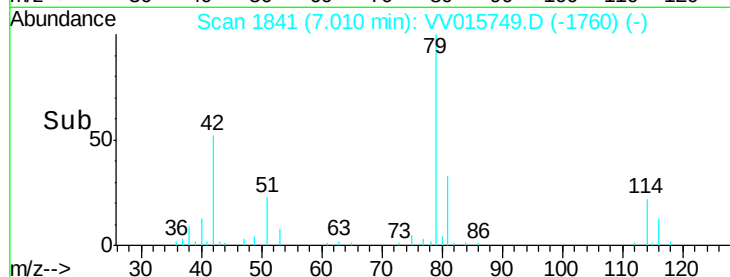
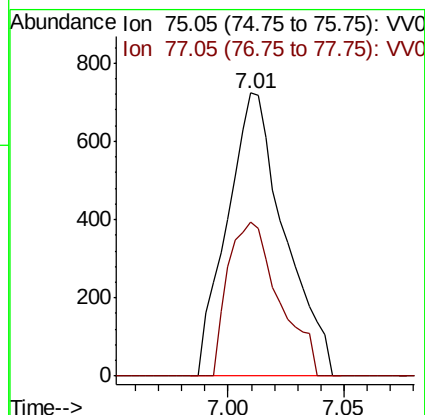
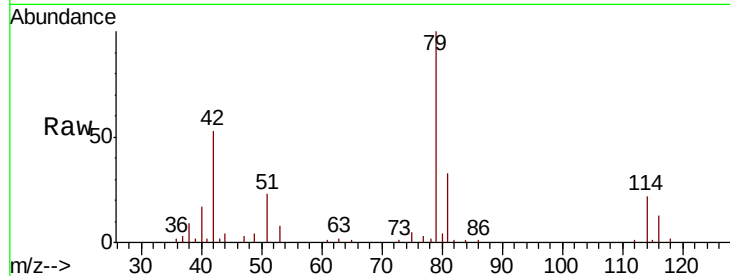


#39

cis-1,3-Dichloropropene  
 Concen: 0.101 ug/L  
 RT: 7.01 min Scan# 1841  
 Delta R.T. -0.04 min  
 Lab File: VV015749.D  
 Acq: 28 Apr 2020 16:04

Instrument :  
 MSVOA\_V  
 ClientSampleId :

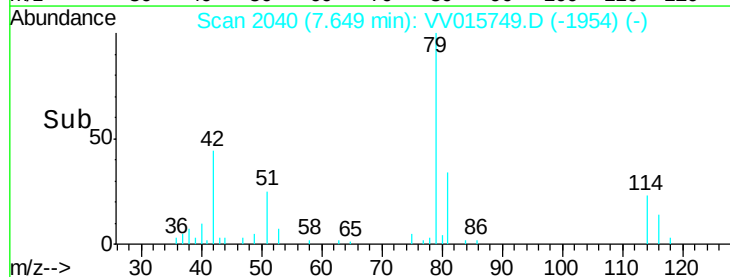
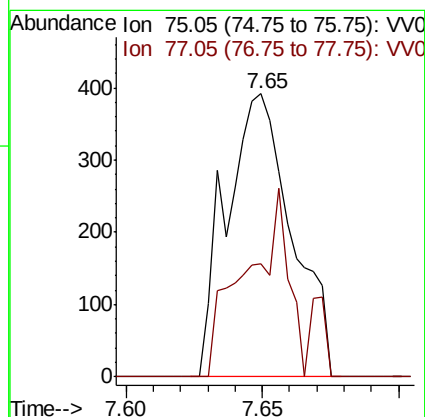
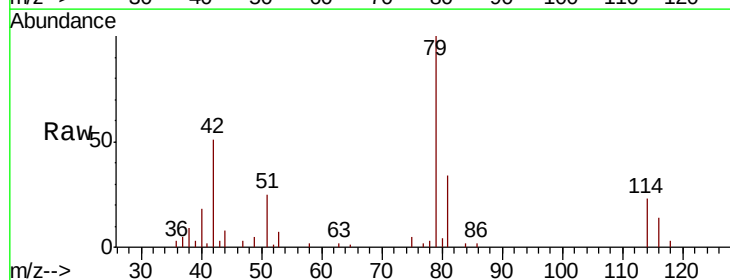
Tot Ion: 75 Resp: 1245  
 Ion Ratio Lower Upper  
 75 100  
 77 54.6 22.3 41.5#

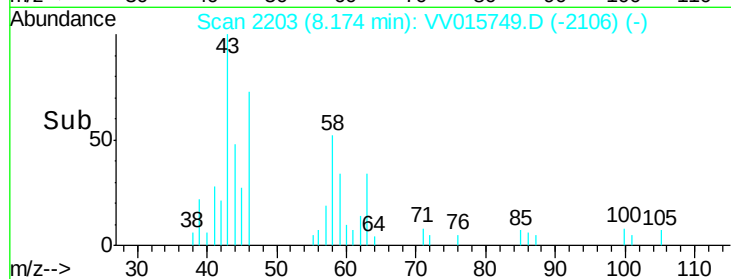
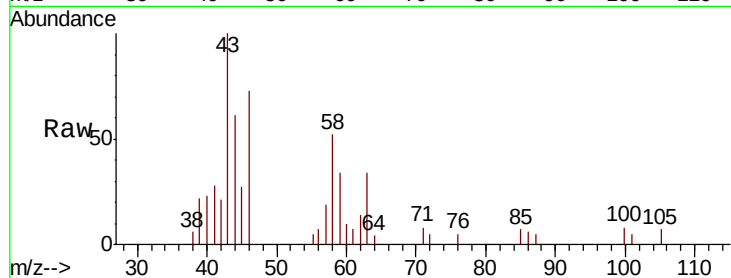
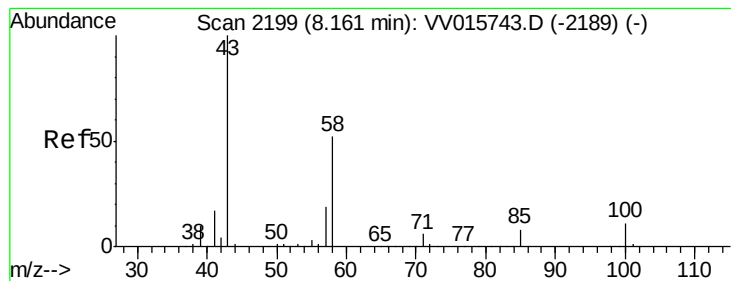


#44

trans-1,3-Dichloropropene  
 Concen: 0.063 ug/L  
 RT: 7.65 min Scan# 2040  
 Delta R.T. -0.02 min  
 Lab File: VV015749.D  
 Acq: 28 Apr 2020 16:04

Tgt Ion: 75 Resp: 652  
 Ion Ratio Lower Upper  
 75 100  
 77 40.1 21.8 40.6





#48

2-Hexanone

Concen: 1.559 ug/L

RT: 8.17 min Scan# 2203

Delta R.T. 0.01 min

Lab File: VV015749.D

Acq: 28 Apr 2020 16:04

Instrument :  
MSVOA\_V  
ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 6357  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 46.7  | 41.1  | 61.7  |
| 57       | 11.9  | 15.0  | 22.4# |
| 100      | 4.3   | 9.0   | 13.4# |

