

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052020\  
 Data File : VV016127.D  
 Acq On : 20 May 2020 13:33  
 Operator : SY/MD  
 Sample : L2725-16  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: May 21 01:38:55 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR050720WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu May 21 01:36:12 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 144151   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 148115   | 5.00 | ug/L  | 0.00     |
| 61) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 66279    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 32790    | 4.19     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 83.80%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 35597    | 4.80     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 96.00%  |
| 11) 1,1-Dichloroethene-d2      | 2.12   | 63    | 53740    | 3.20     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 64.00%  |
| 20) 2-Butanone-d5              | 3.97   | 46    | 120161   | 53.87    | ug/L | -0.02   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 107.74% |
| 24) Chloroform-d               | 4.38   | 84    | 82466    | 4.82     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 96.40%  |
| 26) 1,2-Dichloroethane-d4      | 5.06   | 65    | 49190    | 5.02     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 100.40% |
| 32) Benzene-d6                 | 5.08   | 84    | 159363   | 4.52     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 90.40%  |
| 36) 1,2-Dichloropropane-d6     | 6.10   | 67    | 52686    | 4.90     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 98.00%  |
| 41) Toluene-d8                 | 7.34   | 98    | 137567   | 4.13     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 82.60%  |
| 45) trans-1,3-Dichloropropene- | 7.65   | 79    | 17505    | 4.15     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 83.00%  |
| 48) 2-Hexanone-d5              | 8.12   | 63    | 94216    | 50.80    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 101.60% |
| 59) 1,1,2,2-Tetrachloroethane- | 10.24  | 84    | 38831    | 5.13     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 102.60% |
| 65) 1,2-Dichlorobenzene-d4     | 11.65  | 152   | 53712    | 4.99     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 99.80%  |

## Target Compounds

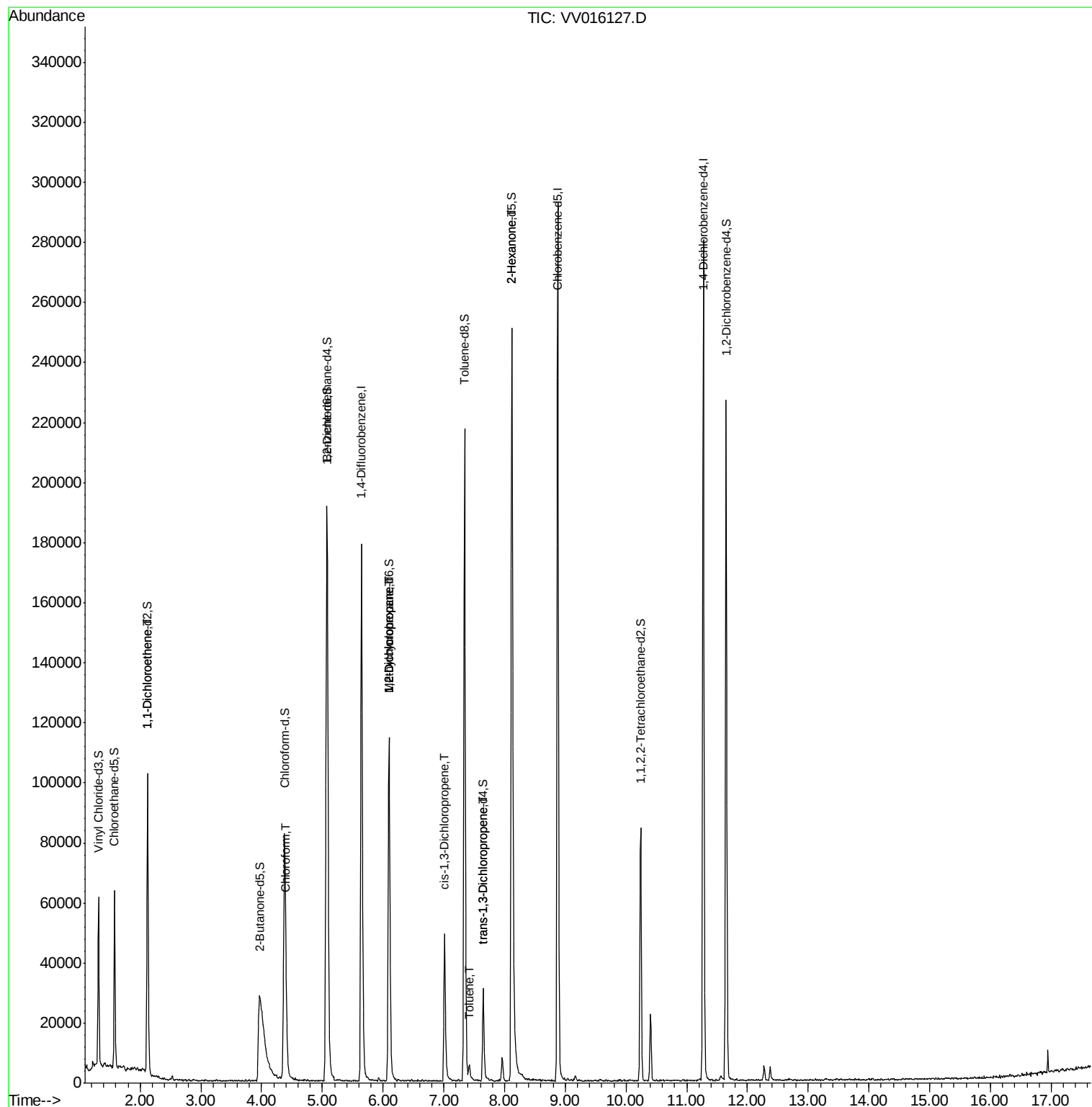
|                               |      |    |       |              | Ovalue |
|-------------------------------|------|----|-------|--------------|--------|
| 12) 1,1-Dichloroethene        | 2.13 | 96 | 643   | 0.081 ug/L # | 1      |
| 25) Chloroform                | 4.41 | 83 | 6294  | 0.338 ug/L   | 100    |
| 35) Methylcyclohexane         | 6.10 | 83 | 12415 | 0.772 ug/L # | 16     |
| 37) 1,2-Dichloropropane       | 6.10 | 63 | 6309  | 0.666 ug/L # | 87     |
| 39) cis-1,3-Dichloropropene   | 7.01 | 75 | 1369  | 0.102 ug/L # | 70     |
| 42) Toluene                   | 7.42 | 91 | 3290  | 0.083 ug/L   | 99     |
| 46) trans-1,3-Dichloropropene | 7.65 | 75 | 905   | 0.080 ug/L   | 94     |
| 50) 2-Hexanone                | 8.12 | 43 | 14616 | 3.503 ug/L # | 77     |

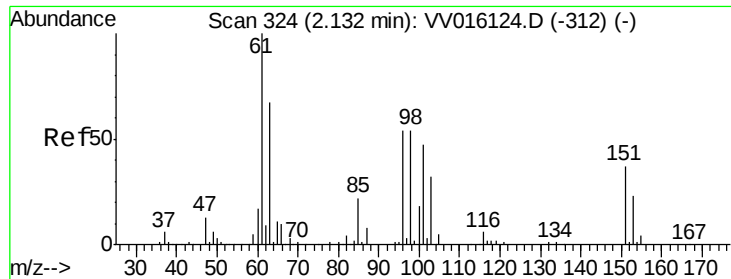
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV052020\  
Data File : VV016127.D  
Acq On : 20 May 2020 13:33  
Operator : SY/MD  
Sample : L2725-16  
Misc : 25.0mL/MSVOA V/WATER  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :

Quant Time: May 21 01:38:55 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR050720WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Thu May 21 01:36:12 2020  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.081 ug/L

RT: 2.13 min Scan# 324

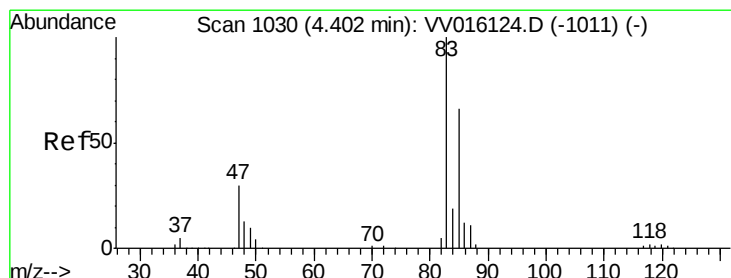
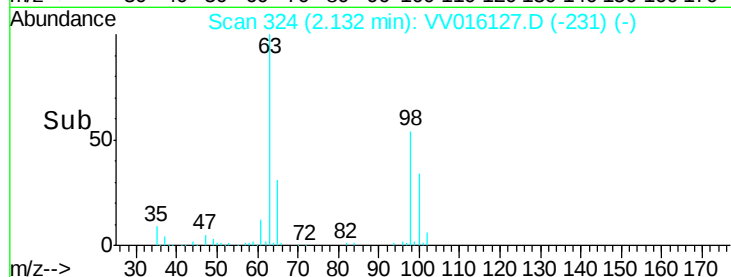
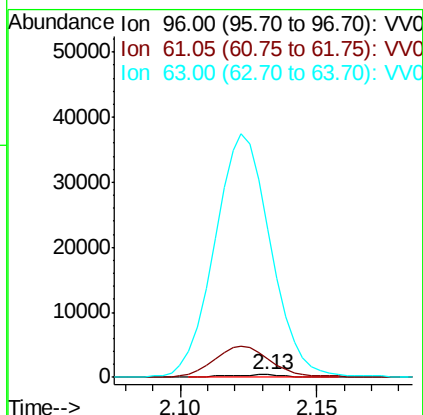
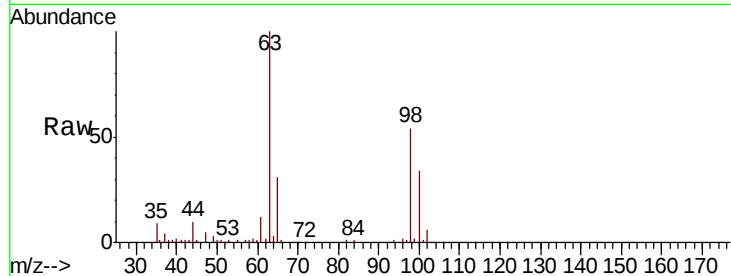
Delta R.T. -0.00 min

Lab File: VV016127.D

Acq: 20 May 2020 13:33

Instrument :  
MSVOA\_V  
ClientSampleId :

Tot Ion: 96 Resp: 643  
Ion Ratio Lower Upper  
96 100  
61 738.1 139.9 259.7#  
63 6025.4 106.4 197.6#



#25

Chloroform

Concen: 0.338 ug/L

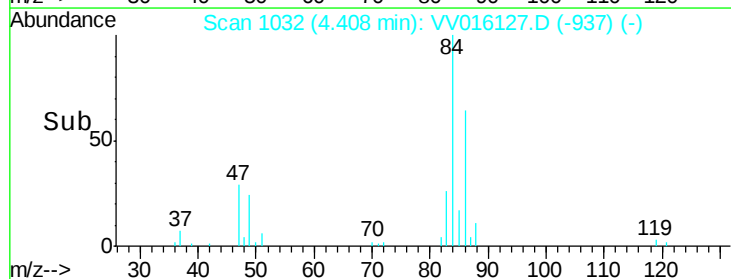
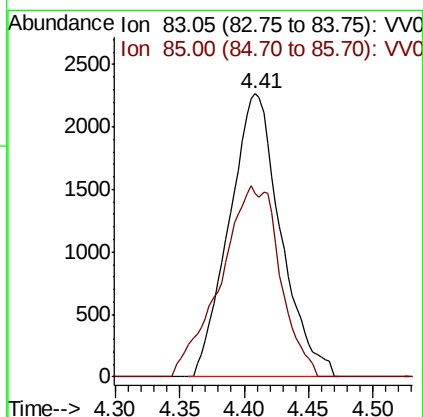
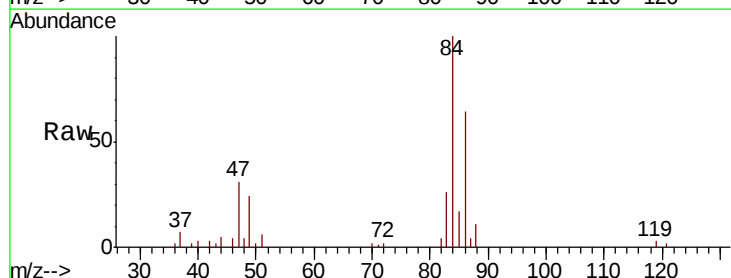
RT: 4.41 min Scan# 1032

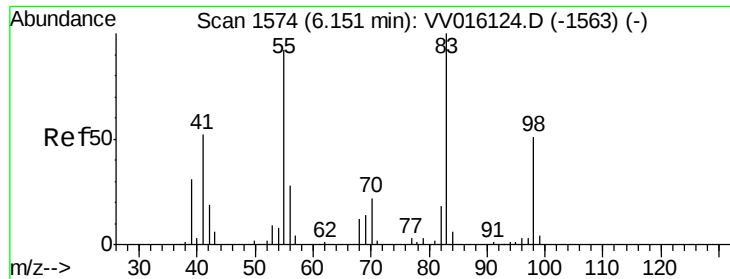
Delta R.T. 0.01 min

Lab File: VV016127.D

Acq: 20 May 2020 13:33

Tgt Ion: 83 Resp: 6294  
Ion Ratio Lower Upper  
83 100  
85 65.0 45.7 84.9

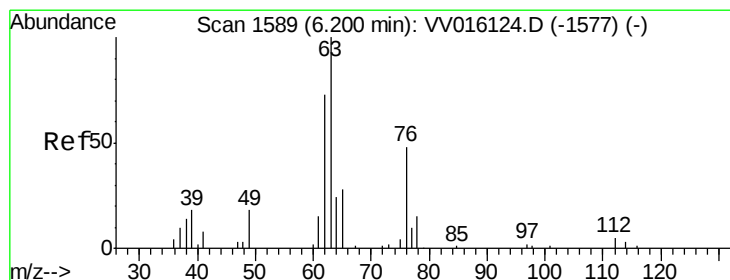
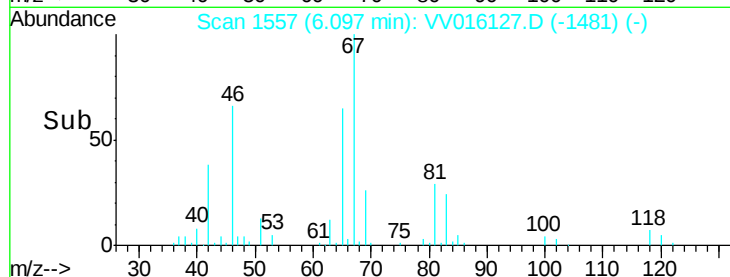
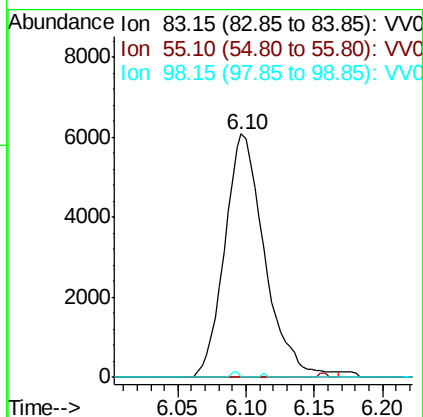
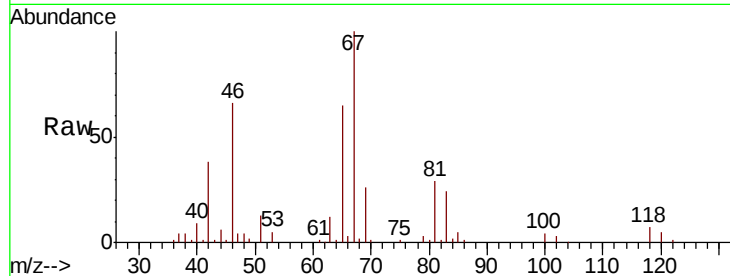




#35  
Methvlcvclohexane  
Concen: 0.772 ug/L  
RT: 6.10 min Scan# 1557  
Delta R.T. -0.05 min  
Lab File: VV016127.D  
Acq: 20 May 2020 13:33

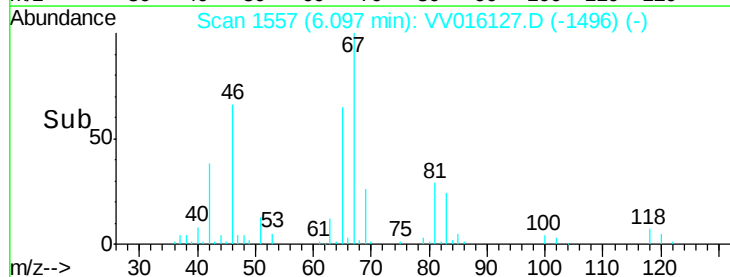
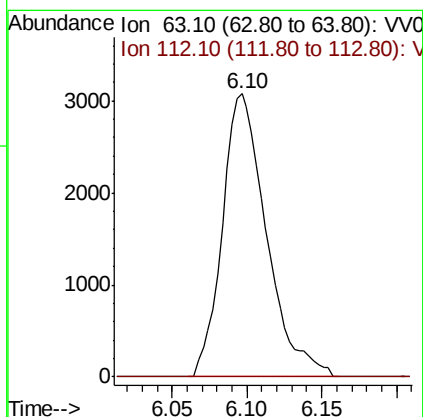
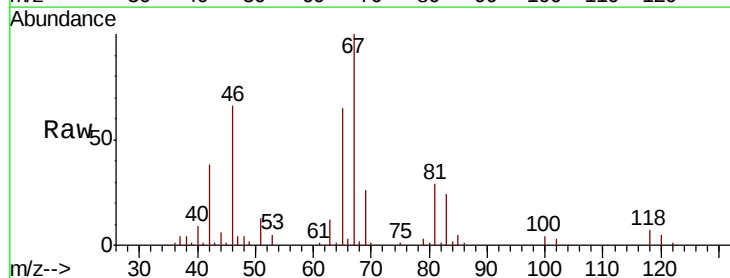
Instrument :  
MSVOA\_V  
ClientSampleId :

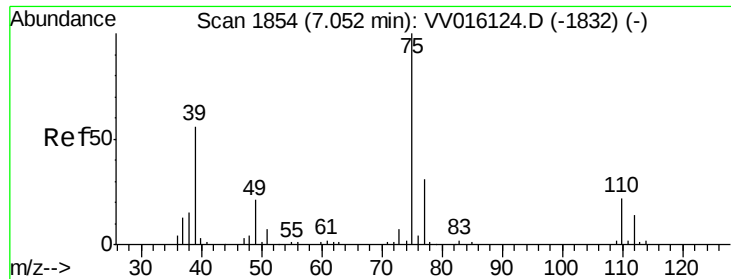
Tot Ion: 83 Resp: 12415  
Ion Ratio Lower Upper  
83 100  
55 0.0 66.2 99.2#  
98 0.4 37.9 56.9#



#37  
1,2-Dichloropropane  
Concen: 0.666 ug/L  
RT: 6.10 min Scan# 1557  
Delta R.T. -0.10 min  
Lab File: VV016127.D  
Acq: 20 May 2020 13:33

Tgt Ion: 63 Resp: 6309  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.4 5.0#

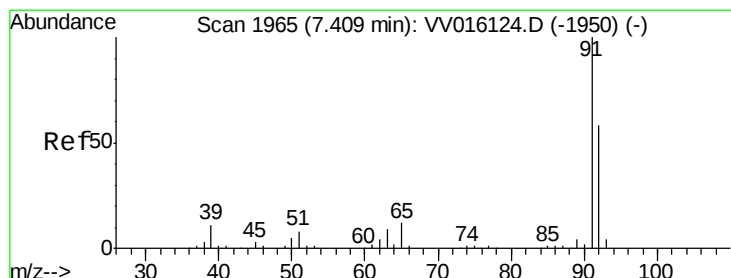
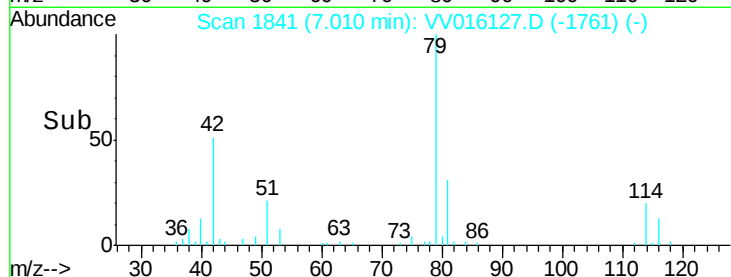
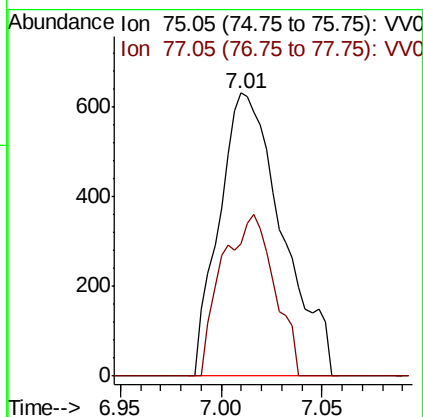
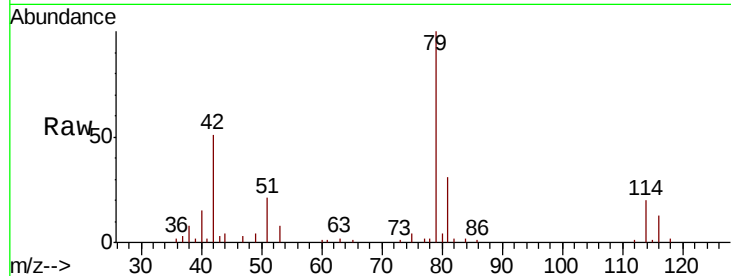




#39  
 cis-1,3-Dichloropropene  
 Concen: 0.102 ug/L  
 RT: 7.01 min Scan# 1841  
 Delta R.T. -0.04 min  
 Lab File: VV016127.D  
 Acq: 20 May 2020 13:33

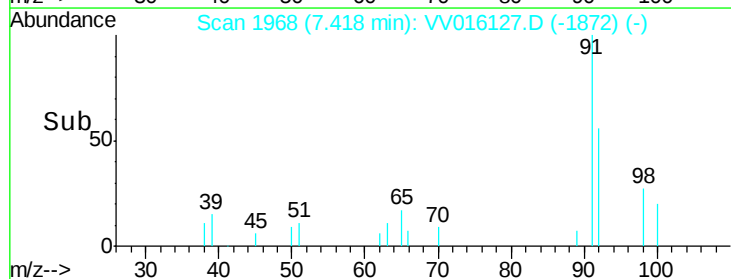
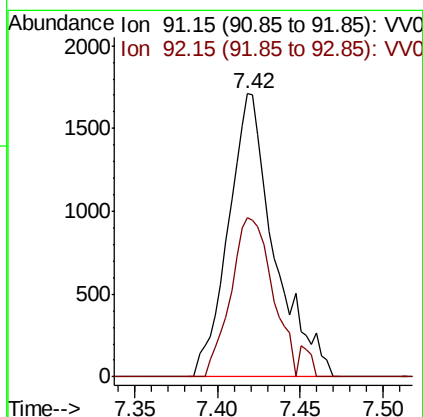
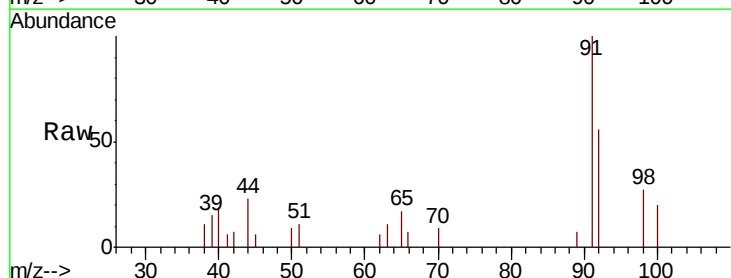
Instrument :  
 MSVOA\_V  
 ClientSampleId :

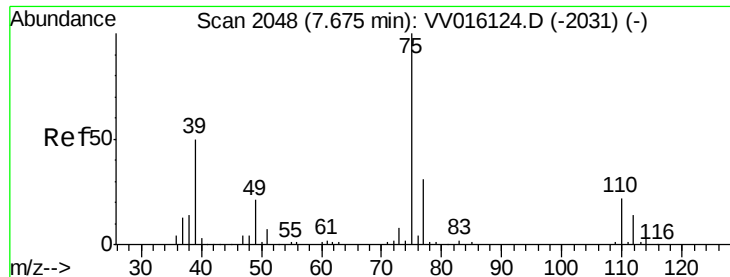
Tot Ion: 75 Resp: 1369  
 Ion Ratio Lower Upper  
 75 100  
 77 46.9 21.3 39.5#



#42  
 Toluene  
 Concen: 0.083 ug/L  
 RT: 7.42 min Scan# 1968  
 Delta R.T. 0.01 min  
 Lab File: VV016127.D  
 Acq: 20 May 2020 13:33

Tgt Ion: 91 Resp: 3290  
 Ion Ratio Lower Upper  
 91 100  
 92 56.5 40.1 74.5

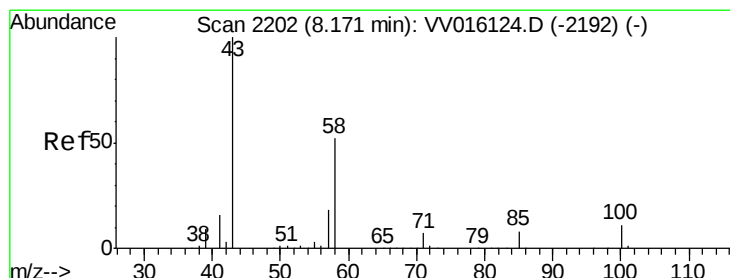
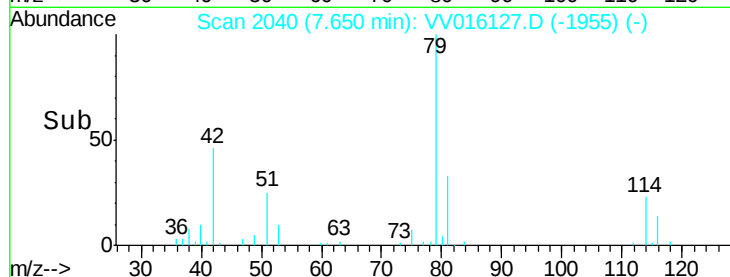
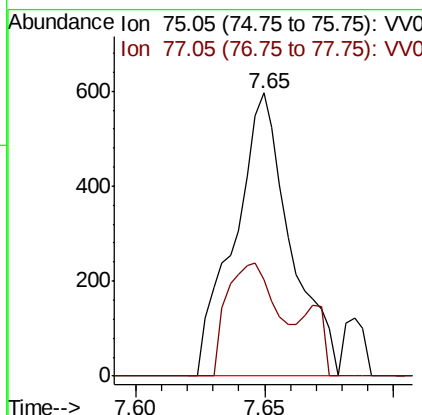
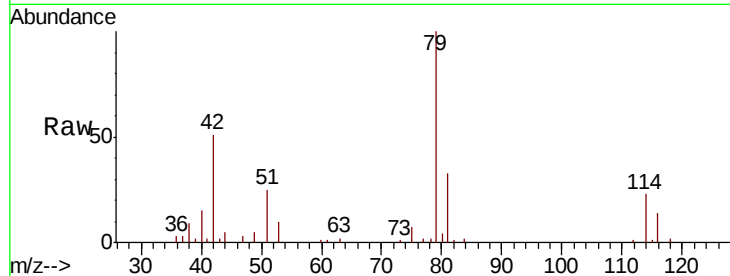




#46  
trans-1,3-Dichloropropene  
Concen: 0.080 ug/L  
RT: 7.65 min Scan# 2040  
Delta R.T. -0.03 min  
Lab File: VV016127.D  
Acq: 20 May 2020 13:33

Instrument :  
MSVOA\_V  
ClientSampleId :

Tot Ion: 75 Resp: 905  
Ion Ratio Lower Upper  
75 100  
77 33.9 21.3 39.6



#50  
2-Hexanone  
Concen: 3.503 ug/L  
RT: 8.12 min Scan# 2187  
Delta R.T. -0.05 min  
Lab File: VV016127.D  
Acq: 20 May 2020 13:33

Tgt Ion: 43 Resp: 14616  
Ion Ratio Lower Upper  
43 100  
58 35.5 40.8 61.2#  
57 28.7 14.7 22.1#  
100 0.5 9.0 13.6#

