

Data File : VV007658.D  
Acq On : 20 Sep 2018 16:21  
Operator : SY/MD  
Sample : J4900-16  
Misc : 25.0 mL/MSVOA\_V/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
A3ZE1

Quant Time: Sep 21 01:39:34 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR091918WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Sep 21 01:37:43 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 105222   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 99173    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 52809    | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 19060    | 4.41     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 88.20% |
| 7) Chloroethane-d5             | 1.59   | 69    | 20268    | 4.99     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 99.80% |
| 11) 1,1-Dichloroethene-d2      | 2.14   | 63    | 37100    | 3.23     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 64.60% |
| 20) 2-Butanone-d5              | 3.97   | 46    | 52678    | 47.75    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 95.50% |
| 24) Chloroform-d               | 4.41   | 84    | 47910    | 4.64     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 92.80% |
| 26) 1,2-Dichloroethane-d4      | 5.09   | 65    | 25154    | 4.94     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 98.80% |
| 32) Benzene-d6                 | 5.10   | 84    | 92382    | 4.70     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 94.00% |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 28059    | 4.84     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 96.80% |
| 41) Toluene-d8                 | 7.36   | 98    | 93057    | 4.59     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 91.80% |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 10015    | 4.29     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 85.80% |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 36608    | 40.28    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 80.56% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27  | 84    | 21352    | 4.44     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 88.80% |
| 64) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 41796    | 4.79     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 95.80% |

#### Target Compounds

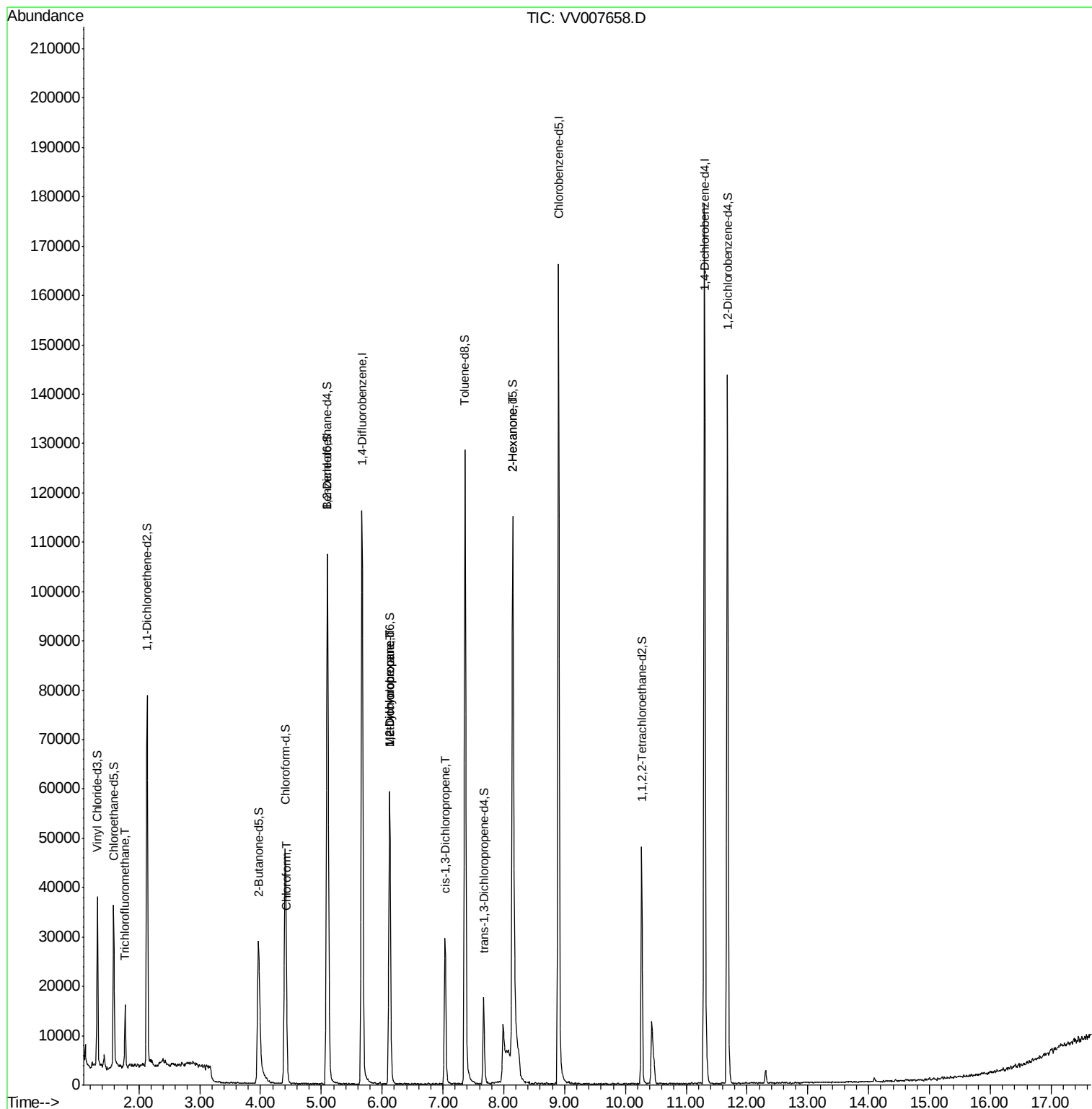
|                             |      |     |      |              | Qvalue |
|-----------------------------|------|-----|------|--------------|--------|
| 9) Trichlorofluoromethane   | 1.77 | 101 | 6643 | 0.415 ug/L   | 100    |
| 25) Chloroform              | 4.43 | 83  | 1236 | 0.101 ug/L   | 87     |
| 35) Methylcyclohexane       | 6.12 | 83  | 7189 | 0.601 ug/L # | 20     |
| 37) 1,2-Dichloropropane     | 6.12 | 63  | 3421 | 0.538 ug/L # | 85     |
| 39) cis-1,3-Dichloropropene | 7.04 | 75  | 761  | 0.083 ug/L # | 72     |
| 48) 2-Hexanone              | 8.14 | 43  | 7027 | 2.884 ug/L # | 85     |

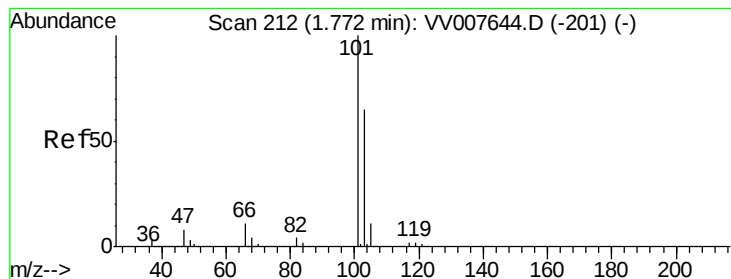
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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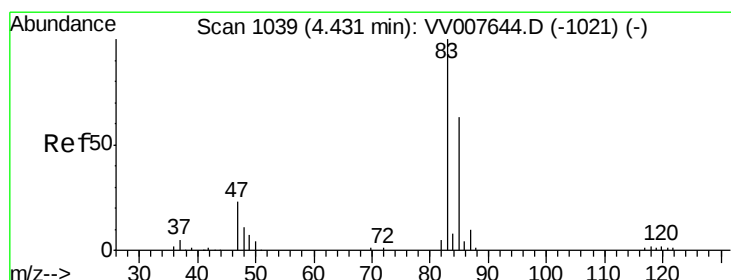
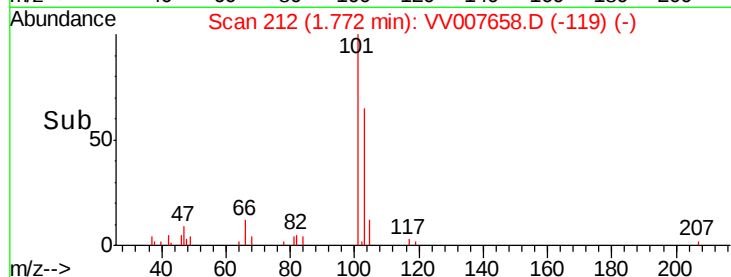
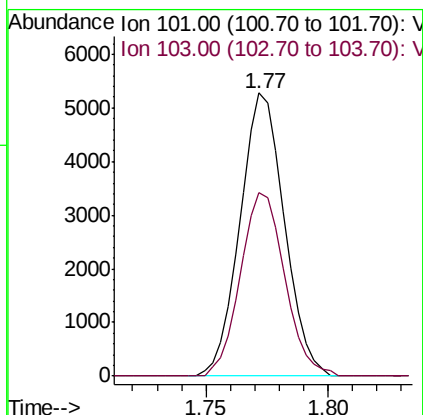
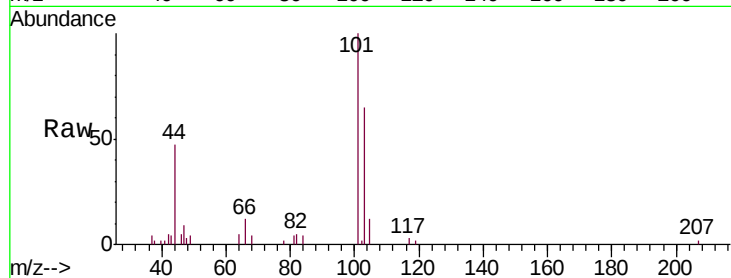


#9

Trichlorofluoromethane  
 Concen: 0.415 ug/L  
 RT: 1.77 min Scan# 212  
 Delta R.T. -0.00 min  
 Lab File: VV007658.D  
 Acq: 20 Sep 2018 16:21

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 A3ZE1

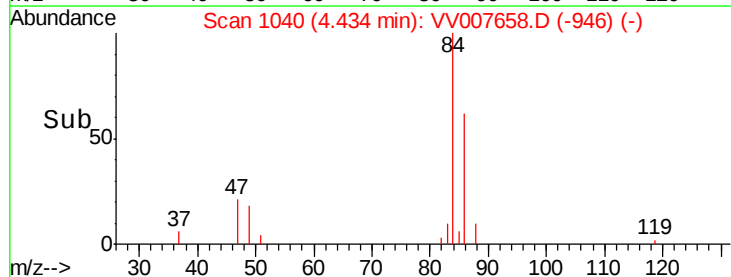
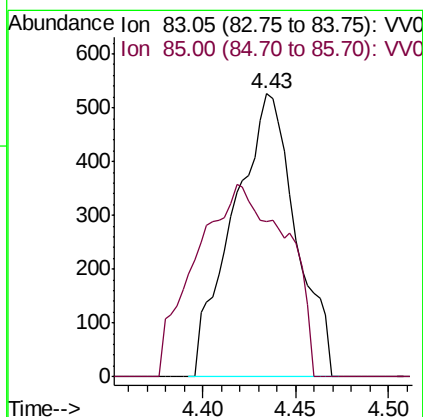
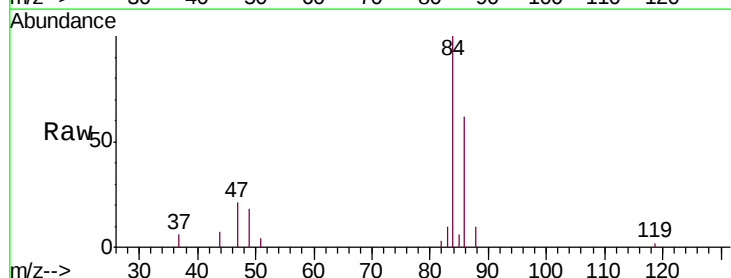
Tgt Ion: 101 Resp: 6643  
 Ion Ratio Lower Upper  
 101 100  
 103 64.9 51.9 77.9

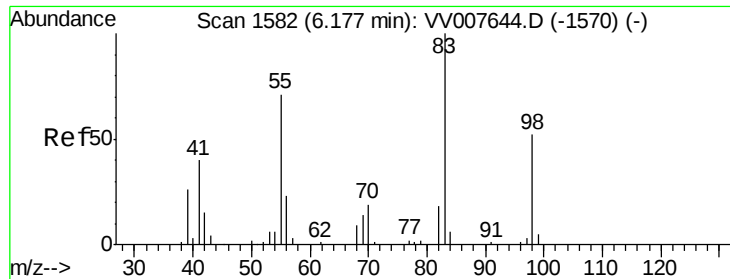


#25

Chloroform  
 Concen: 0.101 ug/L  
 RT: 4.43 min Scan# 1040  
 Delta R.T. 0.00 min  
 Lab File: VV007658.D  
 Acq: 20 Sep 2018 16:21

Tgt Ion: 83 Resp: 1236  
 Ion Ratio Lower Upper  
 83 100  
 85 54.8 45.4 84.4

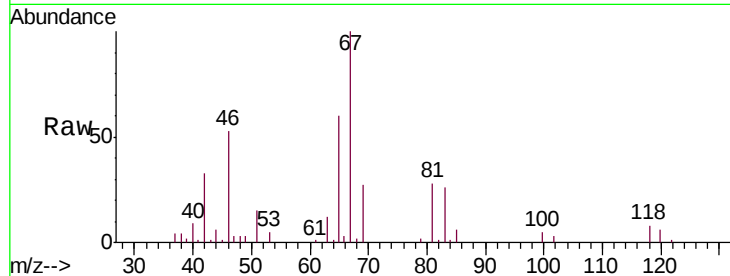




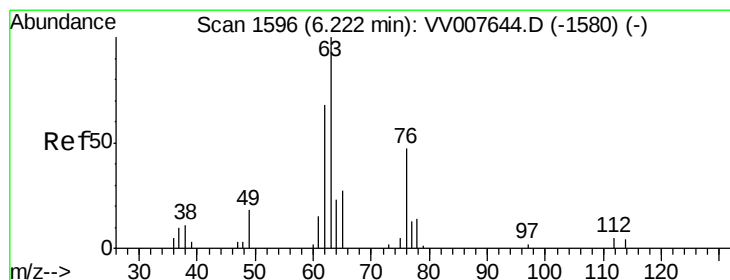
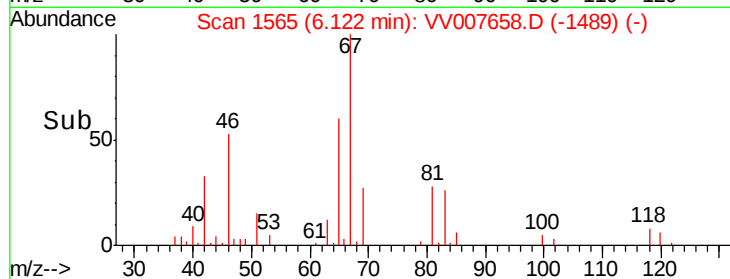
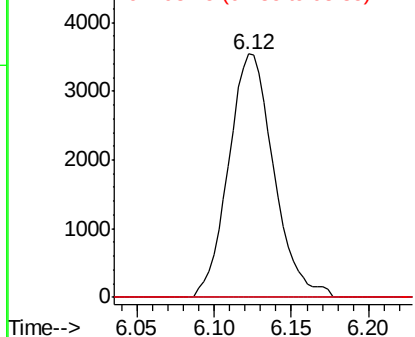
#35  
Methylcyclohexane  
Concen: 0.601 ug/L  
RT: 6.12 min Scan# 1565  
Delta R.T. -0.05 min  
Lab File: VV007658.D  
Acq: 20 Sep 2018 16:21

Instrument :  
MSVOA\_V  
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A3ZE1

Tgt Ion: 83 Resp: 7189  
Ion Ratio Lower Upper  
83 100  
55 0.0 54.8 82.2#  
98 0.0 40.7 61.1#

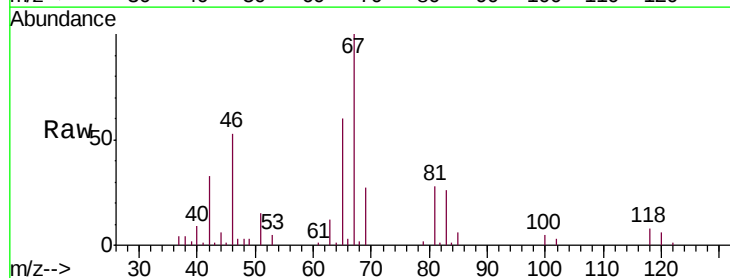


Abundance Ion 83.15 (82.85 to 83.85): VV0  
Ion 55.10 (54.80 to 55.80): VV0  
Ion 98.15 (97.85 to 98.85): VV0

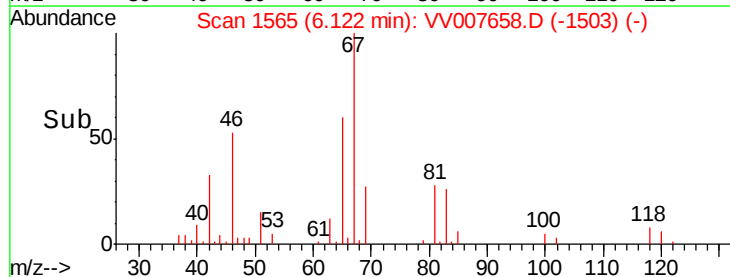
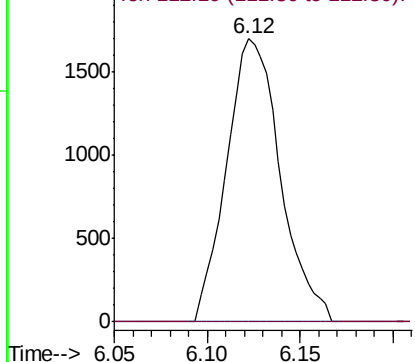


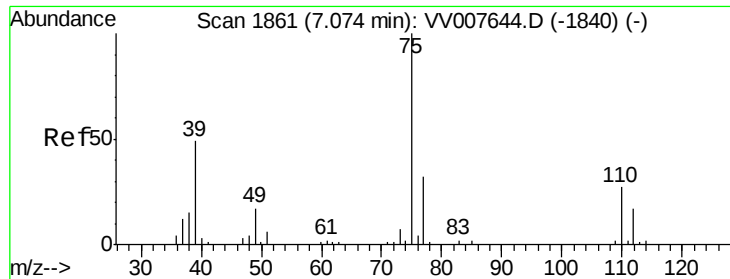
#37  
1,2-Dichloropropane  
Concen: 0.538 ug/L  
RT: 6.12 min Scan# 1565  
Delta R.T. -0.10 min  
Lab File: VV007658.D  
Acq: 20 Sep 2018 16:21

Tgt Ion: 63 Resp: 3421  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.9 5.9#



Abundance Ion 63.10 (62.80 to 63.80): VV0  
Ion 112.10 (111.80 to 112.80): V

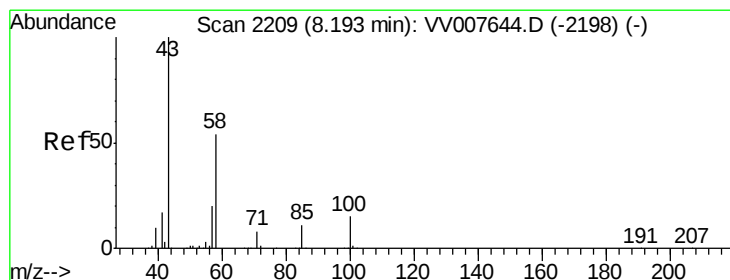
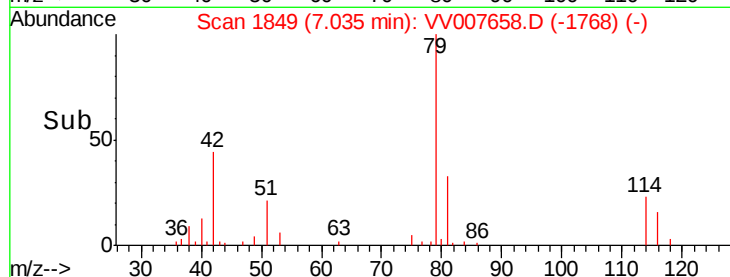
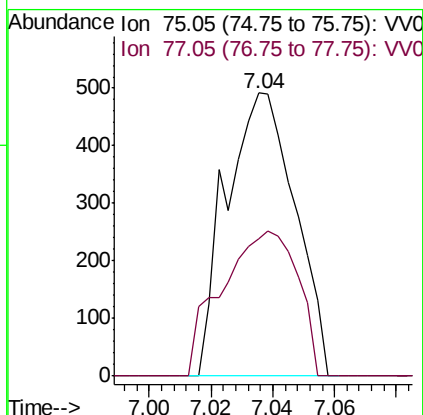
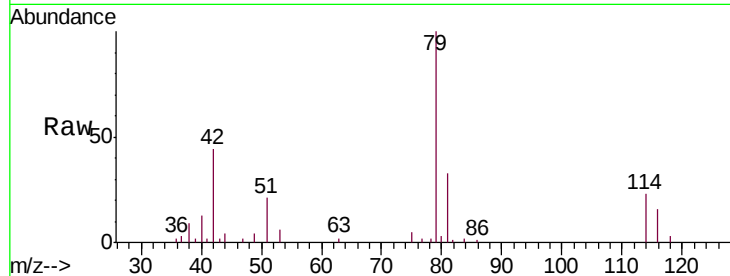




#39  
 cis-1,3-Dichloropropene  
 Concen: 0.083 ug/L  
 RT: 7.04 min Scan# 1849  
 Delta R.T. -0.04 min  
 Lab File: VV007658.D  
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 MSVOA\_V  
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 A3ZE1

Tgt Ion: 75 Resp: 761  
 Ion Ratio Lower Upper  
 75 100  
 77 48.4 22.7 42.3#



#48  
 2-Hexanone  
 Concen: 2.884 ug/L  
 RT: 8.14 min Scan# 2194  
 Delta R.T. -0.05 min  
 Lab File: VV007658.D  
 Acq: 20 Sep 2018 16:21

Tgt Ion: 43 Resp: 7027  
 Ion Ratio Lower Upper  
 43 100  
 58 47.1 45.3 67.9  
 57 25.0 16.6 24.8#  
 100 0.0 11.4 17.0#

