

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100220\  
 Data File : VV018638.D  
 Acq On : 02 Oct 2020 20:22  
 Operator : SY/MD  
 Sample : L4237-17DL 20X  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 E0AD4DL

Quant Time: Oct 03 02:11:06 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM092920WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Oct 03 02:08:43 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 312629   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 303398   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 152238   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |        |
|--------------------------------|---------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.31    | 65    | 76781    | 41.88    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 83.76% |
| 7) Chloroethane-d5             | 1.58    | 69    | 71673    | 47.28    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 94.56% |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 134203   | 35.92    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 71.84% |
| 21) 2-Butanone-d5              | 3.91    | 46    | 114431   | 83.67    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 83.67% |
| 24) Chloroform-d               | 4.38    | 84    | 168984   | 42.62    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 85.24% |
| 26) 1,2-Dichloroethane-d4      | 5.06    | 65    | 114986   | 45.68    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 91.36% |
| 32) Benzene-d6                 | 5.07    | 84    | 327667   | 42.64    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 85.28% |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 100826   | 43.42    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 86.84% |
| 41) Toluene-d8                 | 7.34    | 98    | 294934   | 40.79    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 81.58% |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 50830    | 40.52    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 81.04% |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 64078    | 72.65    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 72.65% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 119397   | 38.78    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 77.56% |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 132355   | 45.21    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 90.42% |

## Target Compounds

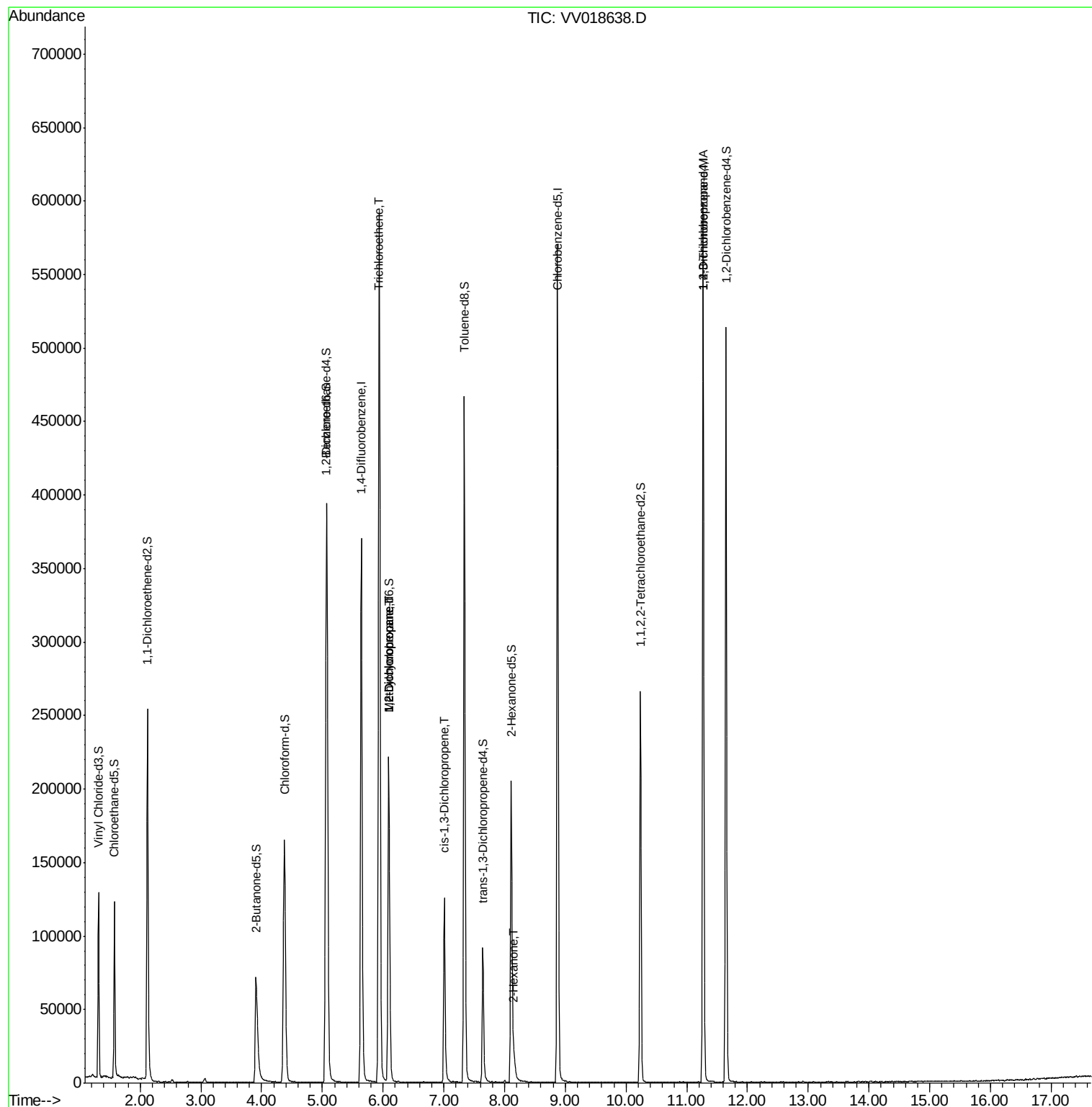
|                             |       |    |        |              | Ovalue |
|-----------------------------|-------|----|--------|--------------|--------|
| 34) Trichloroethene         | 5.94  | 95 | 194299 | 75.085 ug/L  | 99     |
| 35) Methylcyclohexane       | 6.09  | 83 | 25967  | 7.439 ug/L # | 19     |
| 37) 1,2-Dichloropropane     | 6.09  | 63 | 11966  | 5.233 ug/L # | 85     |
| 39) cis-1,3-Dichloropropene | 7.01  | 75 | 3354   | 0.935 ug/L # | 67     |
| 48) 2-Hexanone              | 8.16  | 43 | 8368   | 3.635 ug/L # | 83     |
| 59) 1,2,3-Trichloropropane  | 11.27 | 75 | 16836  | 6.053 ug/L   | 89     |

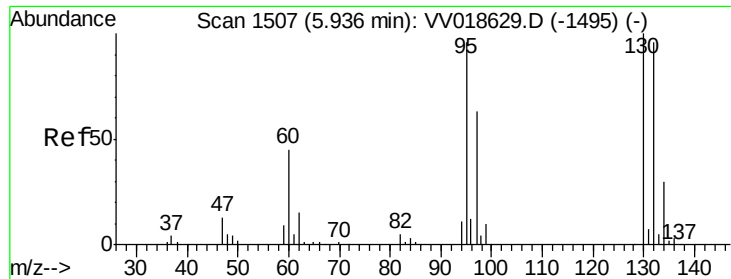
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Sat Oct 03 02:08:43 2020  
Response via : Initial Calibration





#34

Trichloroethene

Concen: 75.085 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV018638.D

Acq: 02 Oct 2020 20:22

Instrument :

MSVOA\_V

ClientSampleId :

E0AD4DL

Tot Ion: 95 Resp: 194299

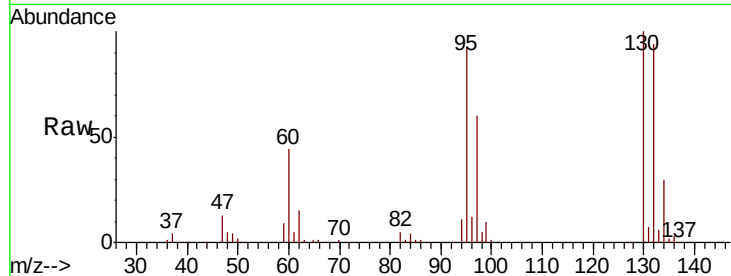
Ion Ratio Lower Upper

95 100

97 64.8 45.9 85.3

132 101.6 70.8 131.4

130 107.9 75.3 139.8

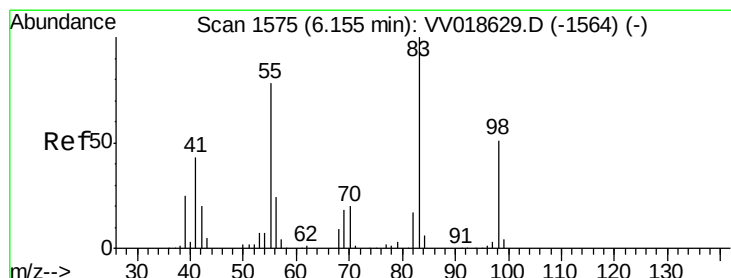
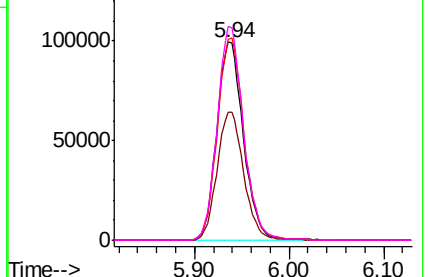
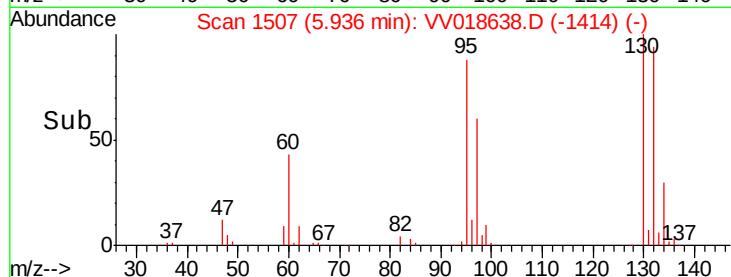


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 7.439 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.06 min

Lab File: VV018638.D

Acq: 02 Oct 2020 20:22

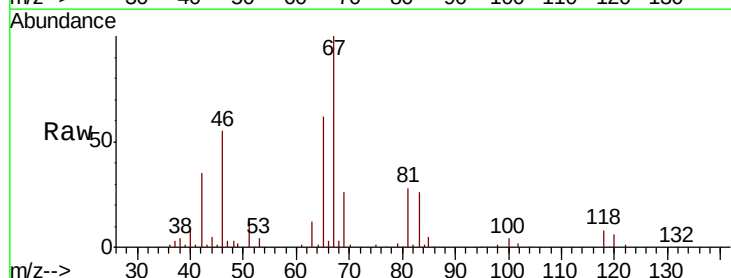
Tgt Ion: 83 Resp: 25967

Ion Ratio Lower Upper

83 100

55 0.2 60.1 90.1#

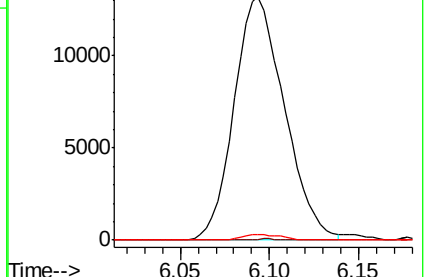
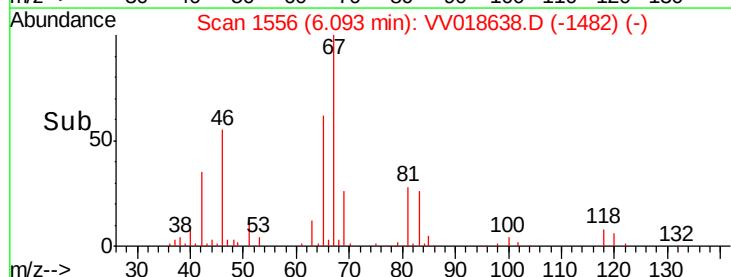
98 1.7 40.2 60.4#

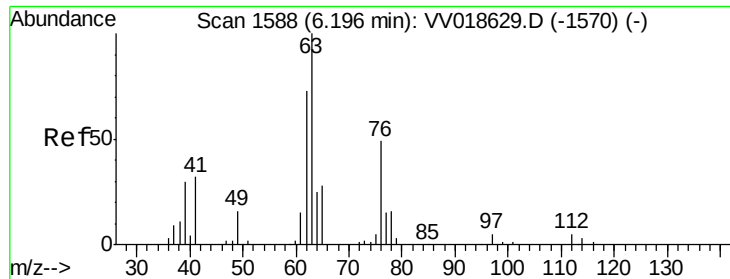


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

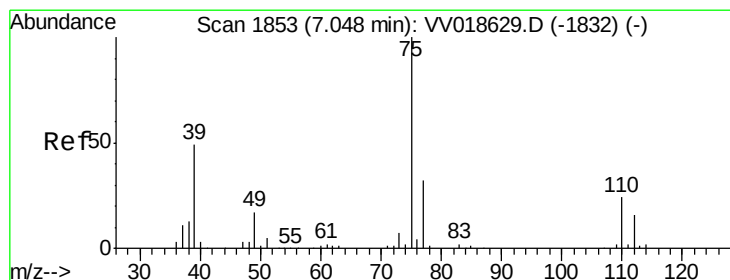
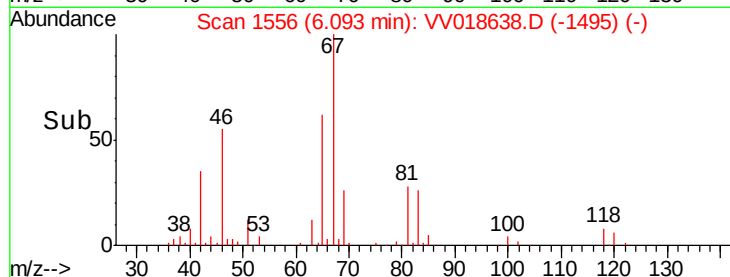
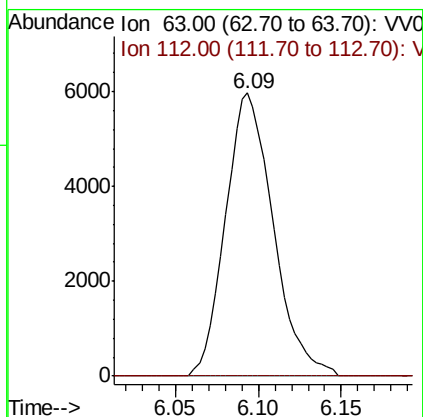
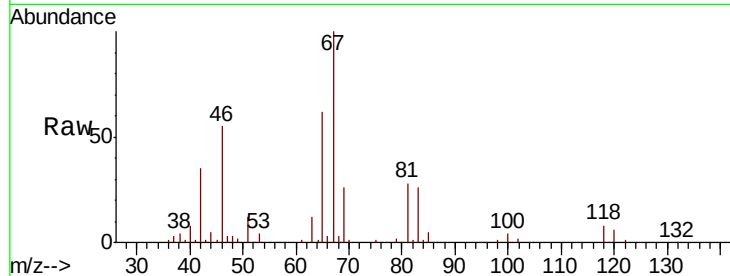




#37  
 1,2-Dichloropropane  
 Concen: 5.233 ug/L  
 RT: 6.09 min Scan# 1556  
 Delta R.T. -0.10 min  
 Lab File: VV018638.D  
 Acq: 02 Oct 2020 20:22

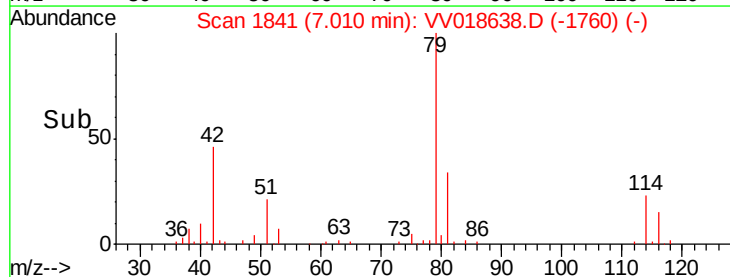
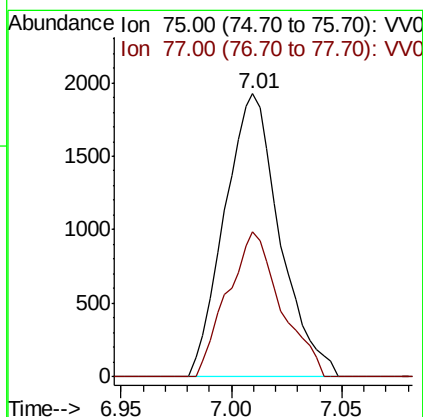
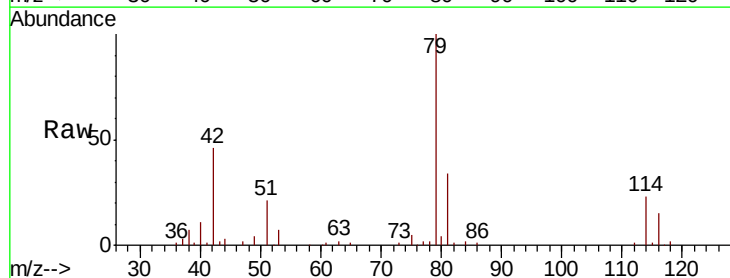
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 MSVOA\_V  
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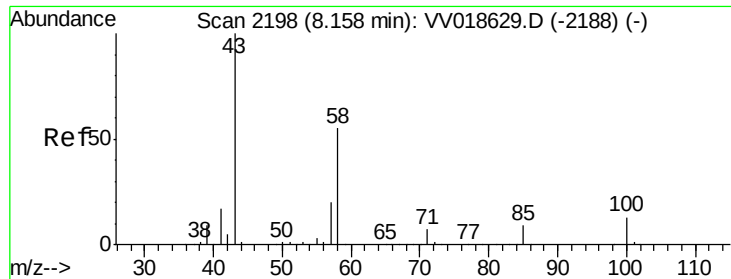
Tot Ion: 63 Resp: 11966  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 3.9 5.9#



#39  
 cis-1,3-Dichloropropene  
 Concen: 0.935 ug/L  
 RT: 7.01 min Scan# 1841  
 Delta R.T. -0.04 min  
 Lab File: VV018638.D  
 Acq: 02 Oct 2020 20:22

Tgt Ion: 75 Resp: 3354  
 Ion Ratio Lower Upper  
 75 100  
 77 51.2 23.0 42.6#

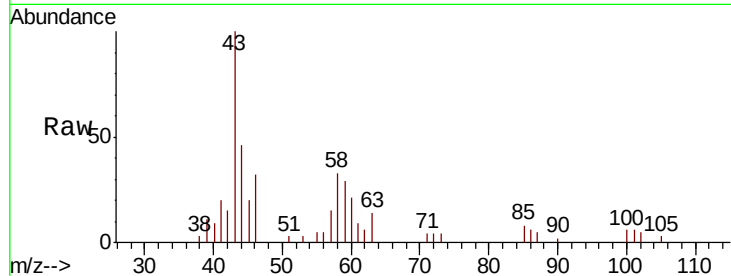




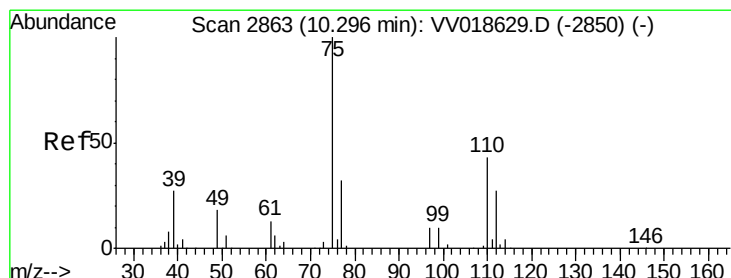
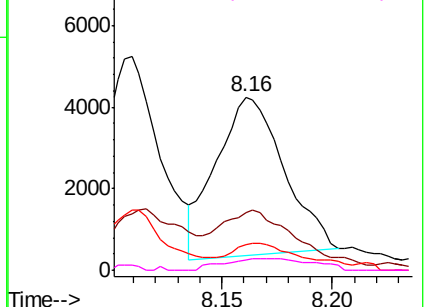
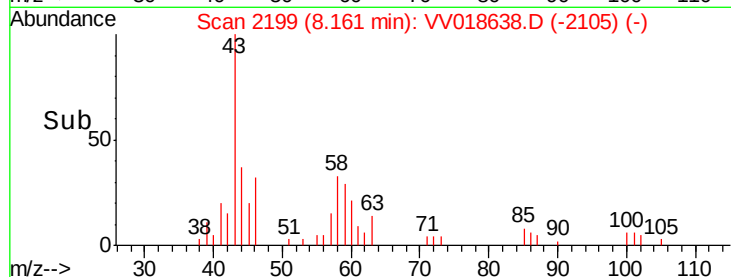
#48  
2-Hexanone  
Concen: 3.635 ug/L  
RT: 8.16 min Scan# 2199  
Delta R.T. 0.00 min  
Lab File: VV018638.D  
Acq: 02 Oct 2020 20:22

Instrument :  
MSVOA\_V  
ClientSampleId :  
E0AD4DL

Tot Ion: 43 Resp: 8368  
Ion Ratio Lower Upper  
43 100  
58 40.5 45.1 67.7#  
57 17.7 15.7 23.5  
100 7.9 11.0 16.4#

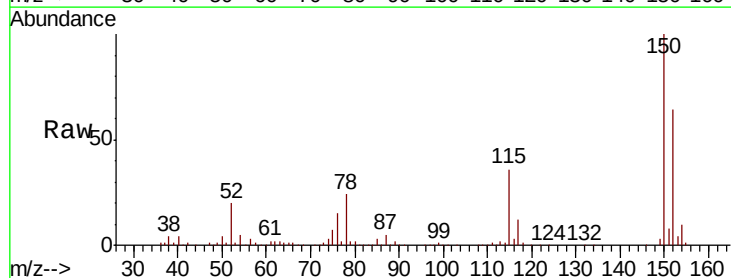


Abundance Ion 43.00 (42.70 to 43.70): VV0  
Ion 58.00 (57.70 to 58.70): VV0  
Ion 57.00 (56.70 to 57.70): VV0  
Ion 100.00 (99.70 to 100.70): VV0



#59  
1,2,3-Trichloropropane  
Concen: 6.053 ug/L  
RT: 11.27 min Scan# 3166  
Delta R.T. 0.97 min  
Lab File: VV018638.D  
Acq: 02 Oct 2020 20:22

Tgt Ion: 75 Resp: 16836  
Ion Ratio Lower Upper  
75 100  
77 37.9 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VV0  
Ion 77.00 (76.70 to 77.70): VV0

