

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121920\  
 Data File : VV019756.D  
 Acq On : 20 Dec 2020 00:00  
 Operator : SY/MD  
 Sample : L5131-09  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 F4H08

Quant Time: Dec 21 06:25:49 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM121020WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon Dec 21 06:23:42 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.62  | 114  | 701053   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.86  | 117  | 659315   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.25 | 152  | 294991   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.31    | 65    | 232222   | 46.19    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 92.38%  |
| 7) Chloroethane-d5             | 1.57    | 69    | 189387   | 47.77    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 95.54%  |
| 11) 1,1-Dichloroethene-d2      | 2.11    | 63    | 346080   | 37.09    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 74.18%  |
| 21) 2-Butanone-d5              | 3.88    | 46    | 341424   | 124.95   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 124.95% |
| 24) Chloroform-d               | 4.35    | 84    | 435411   | 48.06    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.12%  |
| 26) 1,2-Dichloroethane-d4      | 5.04    | 65    | 305118   | 51.53    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 103.06% |
| 32) Benzene-d6                 | 5.05    | 84    | 879513   | 50.02    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 100.04% |
| 36) 1,2-Dichloropropane-d6     | 6.07    | 67    | 282501   | 51.29    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 102.58% |
| 41) Toluene-d8                 | 7.32    | 98    | 767817   | 48.50    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 97.00%  |
| 43) trans-1,3-Dichloropropene- | 7.62    | 79    | 131094   | 41.84    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 83.68%  |
| 47) 2-Hexanone-d5              | 8.09    | 63    | 203521   | 94.14    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 94.14%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.22   | 84    | 333626   | 44.78    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 89.56%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.63   | 152   | 277433   | 50.31    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 100.62% |

## Target Compounds

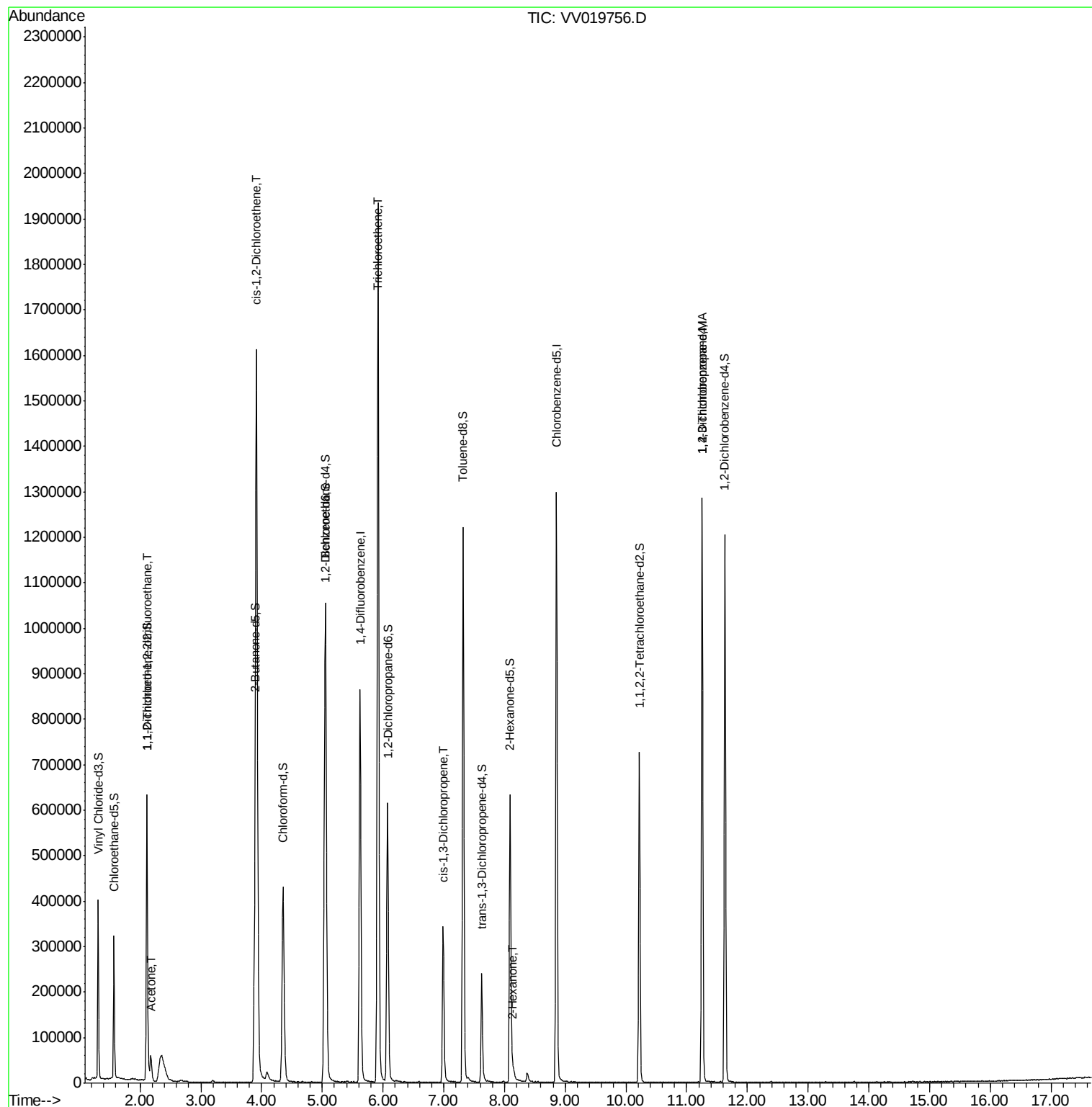
|                                |       |     |        |                | Ovalue |
|--------------------------------|-------|-----|--------|----------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.11  | 101 | 2967   | 0.729 ug/L #   | 24     |
| 13) Acetone                    | 2.17  | 43  | 66294  | 28.480 ug/L    | 97     |
| 20) cis-1,2-Dichloroethene     | 3.91  | 96  | 841497 | 167.221 ug/L # | 97     |
| 34) Trichloroethene            | 5.92  | 95  | 668547 | 131.342 ug/L   | 97     |
| 39) cis-1,3-Dichloropropene    | 6.99  | 75  | 8890   | 1.064 ug/L #   | 60     |
| 48) 2-Hexanone                 | 8.15  | 43  | 9291   | 1.687 ug/L #   | 89     |
| 59) 1,2,3-Trichloropropane     | 11.25 | 75  | 41836  | 6.684 ug/L     | 90     |

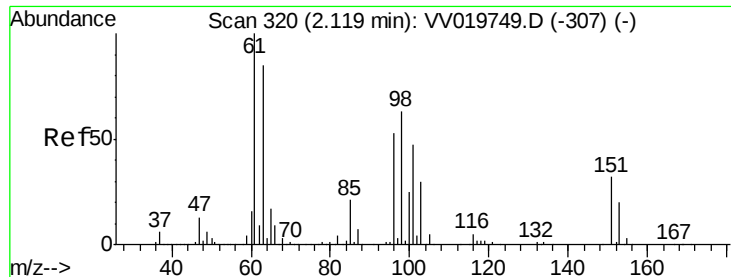
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_V  
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F4H08

Quant Time: Dec 21 06:25:49 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM121020WMA.M  
Quant Title : VOC Analysis  
QLast Update : Mon Dec 21 06:23:42 2020  
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.729 ug/L

RT: 2.11 min Scan# 318

Delta R.T. -0.01 min

Lab File: VV019756.D

Acq: 20 Dec 2020 00:00

Instrument :

MSVOA\_V

ClientSampleId :

F4H08

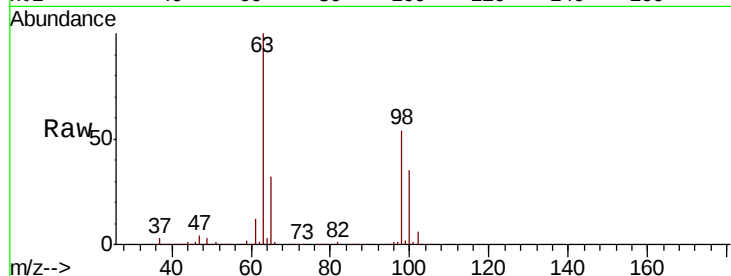
Tot Ion:101 Resp: 2967

Ion Ratio Lower Upper

101 100

85 1.5 35.0 52.4#

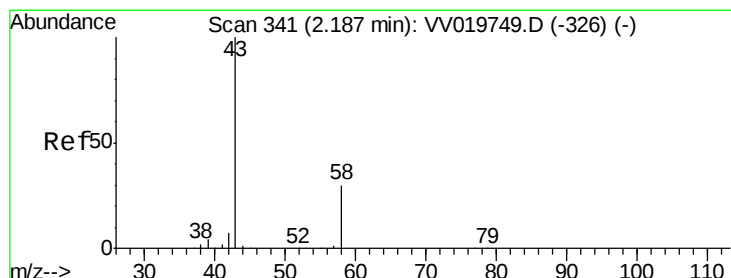
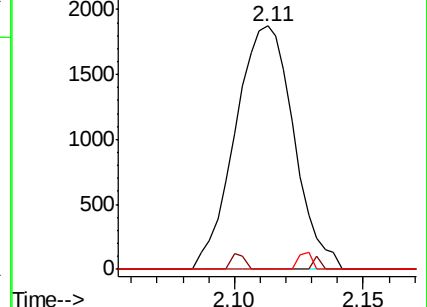
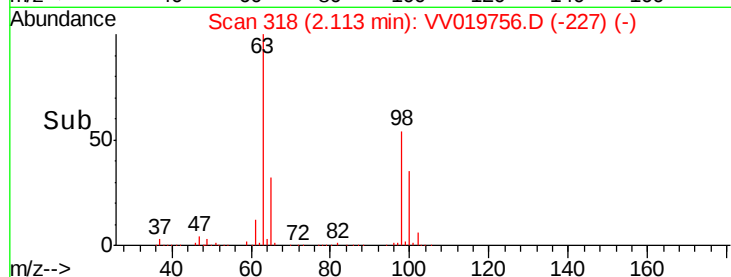
151 1.6 55.8 83.8#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#13

Acetone

Concen: 28.480 ug/L

RT: 2.17 min Scan# 337

Delta R.T. -0.01 min

Lab File: VV019756.D

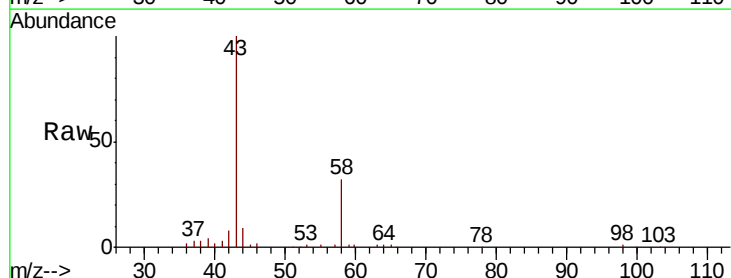
Acq: 20 Dec 2020 00:00

Tgt Ion: 43 Resp: 66294

Ion Ratio Lower Upper

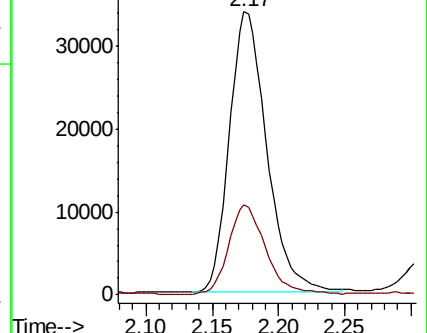
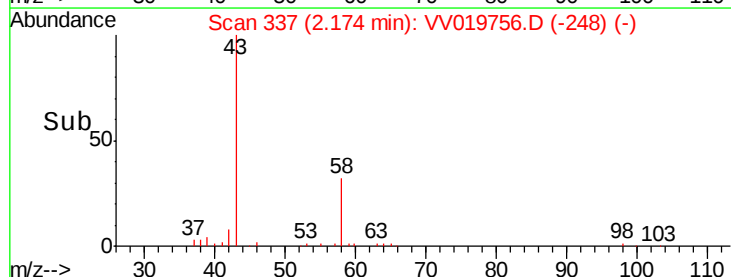
43 100

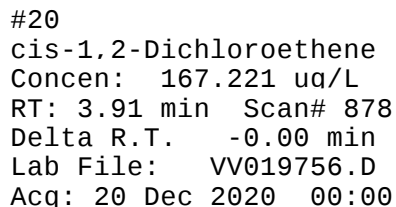
58 32.3 0.0 61.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

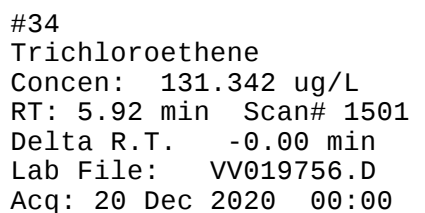
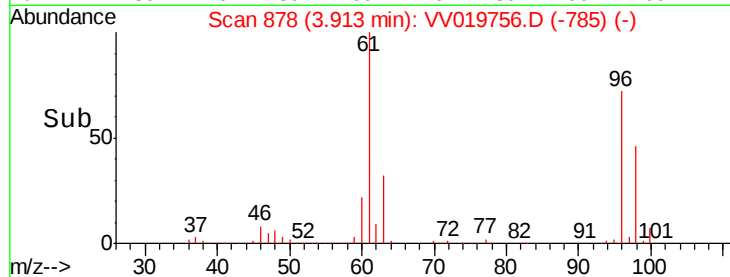
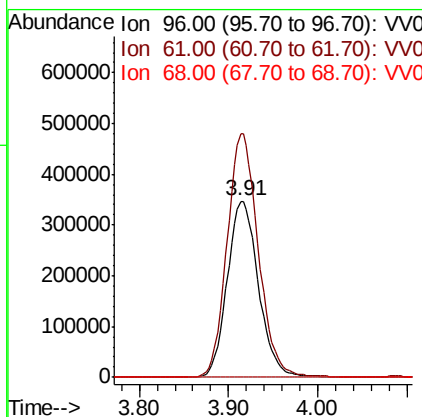
Ion 58.00 (57.70 to 58.70): VV0



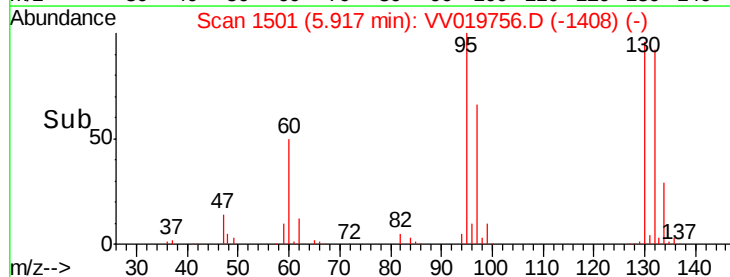
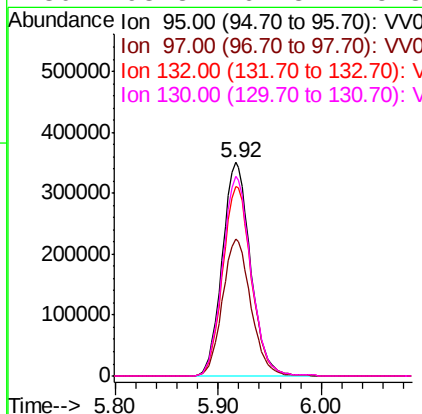


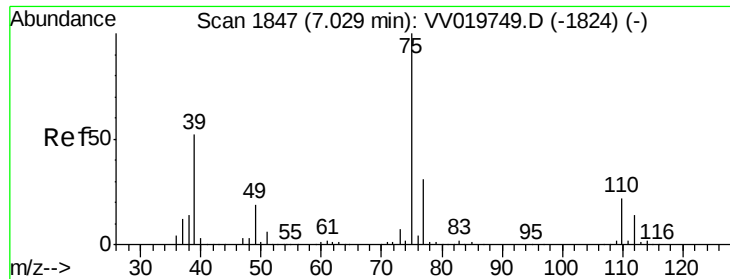
**Instrument :**  
MSVOA\_V  
**ClientSampleId :**  
F4H08

|     |         |       |        |
|-----|---------|-------|--------|
| Tat | Ion: 96 | Resp: | 841497 |
| Ion | Ratio   | Lower | Upper  |
| 96  | 100     |       |        |
| 61  | 138.0   | 94.1  | 174.8  |
| 68  | 0.0     | 0.1   | 0.1#   |



|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion: 95 | Resp: | 668547 |
| Ion | Ratio   | Lower | Upper  |
| 95  | 100     |       |        |
| 97  | 64.2    | 44.4  | 82.4   |
| 132 | 88.9    | 64.3  | 119.3  |
| 130 | 93.3    | 67.8  | 125.8  |





#39

cis-1,3-Dichloropropene

Concen: 1.064 ug/L

RT: 6.99 min Scan# 1835

Delta R.T. -0.04 min

Lab File: VV019756.D

Acq: 20 Dec 2020 00:00

Instrument :

MSVOA\_V

ClientSampled :

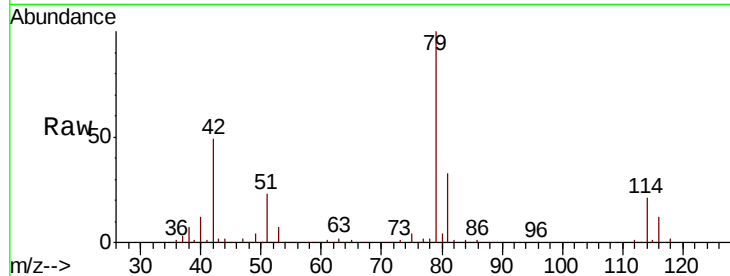
F4H08

Tot Ion: 75 Resp: 8890

Ion Ratio Lower Upper

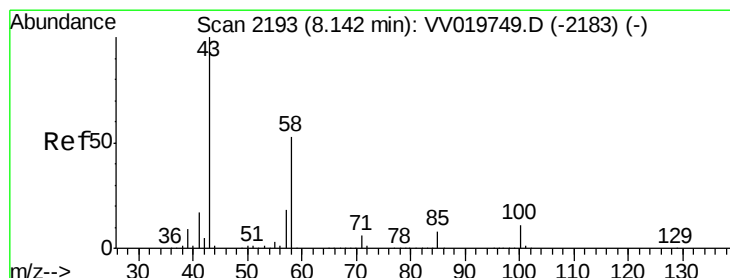
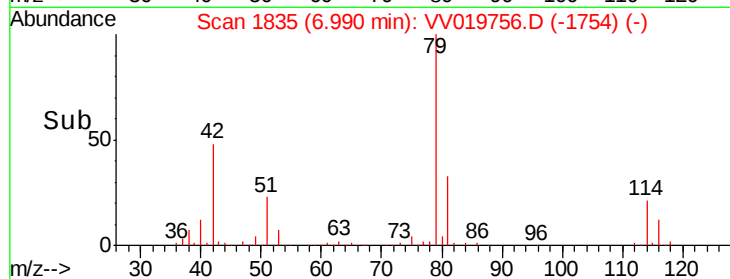
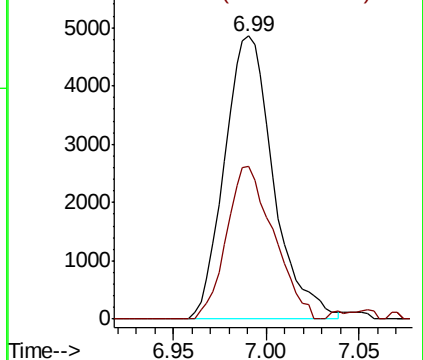
75 100

77 54.2 22.4 41.6#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#48

2-Hexanone

Concen: 1.687 ug/L

RT: 8.15 min Scan# 2195

Delta R.T. 0.01 min

Lab File: VV019756.D

Acq: 20 Dec 2020 00:00

Tgt Ion: 43 Resp: 9291

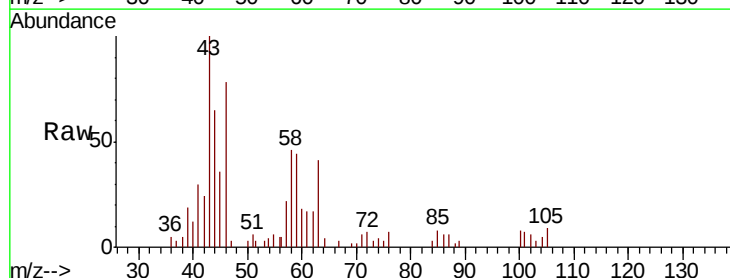
Ion Ratio Lower Upper

43 100

58 63.6 44.4 66.6

57 22.1 15.7 23.5

100 5.9 9.9 14.9#

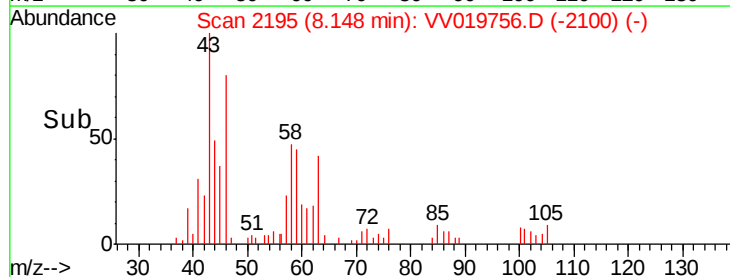
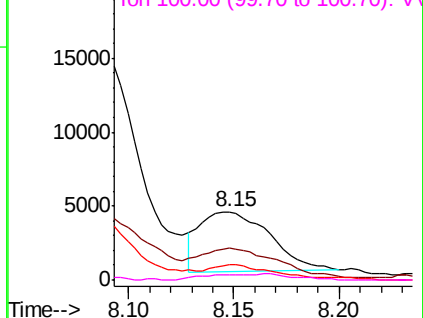


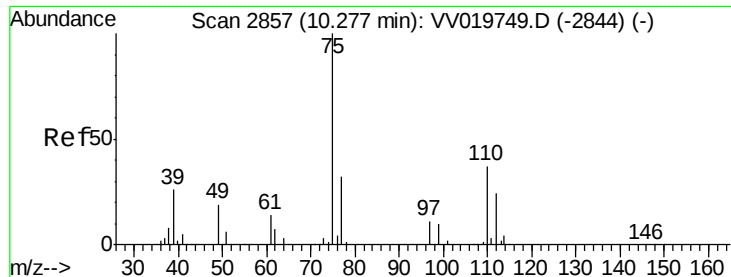
Abundance Ion 43.00 (42.70 to 43.70): VV0

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: 6.684 ug/L

RT: 11.25 min Scan# 3161

Delta R.T. 0.98 min

Lab File: VV019756.D

Acq: 20 Dec 2020 00:00

Instrument :

MSVOA\_V

ClientSampleId :

F4H08

Tot Ion: 75 Resp: 41836

Ion Ratio Lower Upper

75 100

77 38.2 25.8 38.8

