

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101220\  
 Data File : VV018857.D  
 Acq On : 12 Oct 2020 15:31  
 Operator : SY/MD  
 Sample : L4289-19RE  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0AG6

Quant Time: Oct 13 01:11:22 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM100820WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Oct 13 01:02:26 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 340195   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 309166   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 144904   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |        |
|--------------------------------|---------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 139633   | 45.17    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 90.34% |
| 7) Chloroethane-d5             | 1.58    | 69    | 110712   | 44.50    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 89.00% |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 196644   | 33.00    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 66.00% |
| 21) 2-Butanone-d5              | 3.90    | 46    | 169839   | 89.48    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 89.48% |
| 24) Chloroform-d               | 4.38    | 84    | 222560   | 40.81    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 81.62% |
| 26) 1,2-Dichloroethane-d4      | 5.06    | 65    | 168485   | 45.58    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 91.16% |
| 32) Benzene-d6                 | 5.07    | 84    | 486397   | 48.89    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 97.78% |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 156203   | 48.15    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 96.30% |
| 41) Toluene-d8                 | 7.34    | 98    | 423734   | 47.98    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 95.96% |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 71006    | 44.78    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 89.56% |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 97656    | 85.88    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 85.88% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.23   | 84    | 161131   | 43.17    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 86.34% |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 155561   | 48.51    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 97.02% |

## Target Compounds

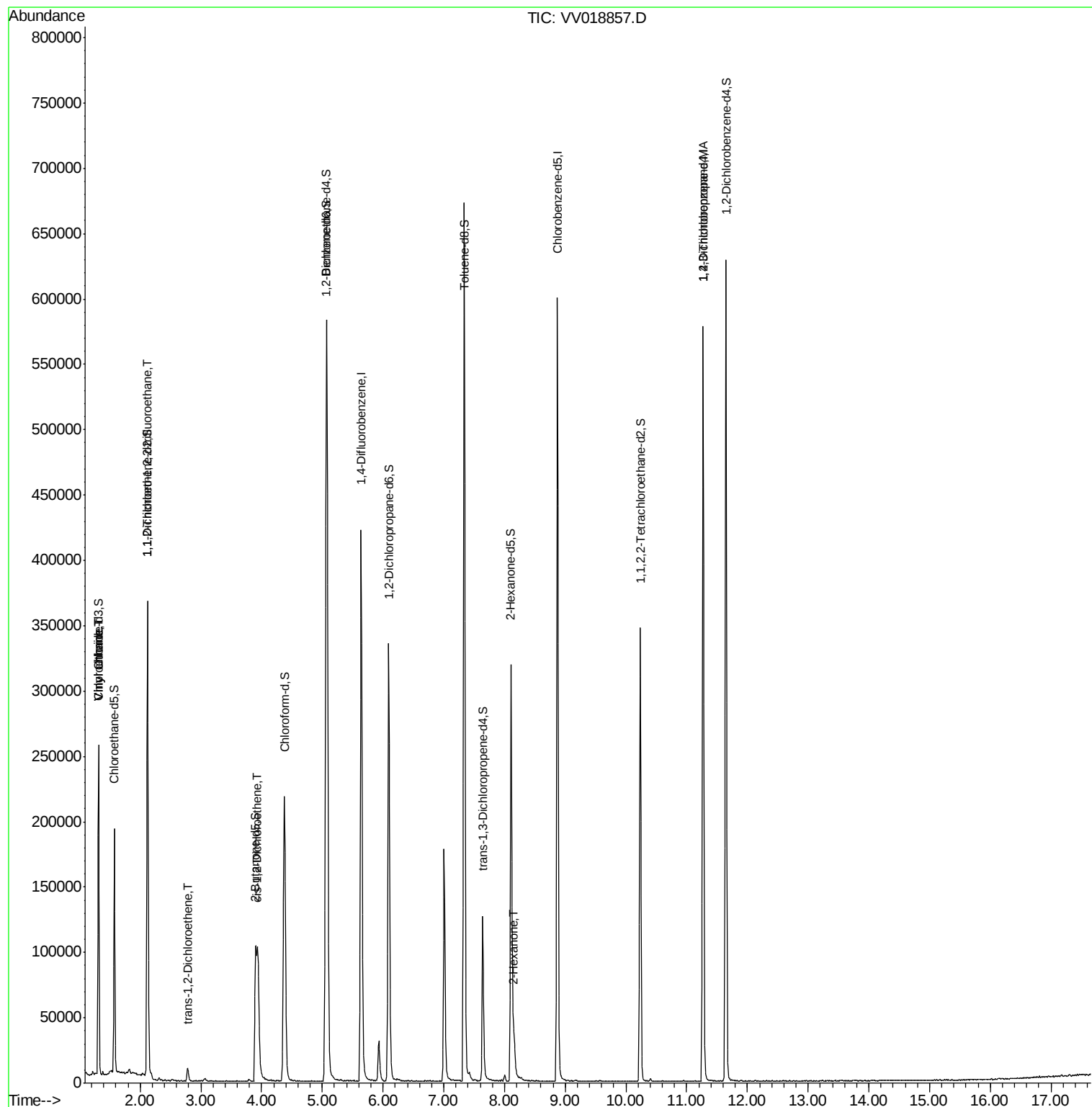
|                                |       |     |       |        | Ovalue    |
|--------------------------------|-------|-----|-------|--------|-----------|
| 5) Vinyl chloride              | 1.32  | 62  | 20067 | 6.681  | ug/L 93   |
| 8) Chloroethane                | 1.32  | 64  | 8103  | 4.120  | ug/L 89   |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.12  | 101 | 1632  | 0.667  | ug/L # 19 |
| 17) trans-1,2-Dichloroethene   | 2.78  | 96  | 3320  | 1.336  | ug/L 91   |
| 20) cis-1,2-Dichloroethene     | 3.94  | 96  | 44273 | 16.856 | ug/L 95   |
| 48) 2-Hexanone                 | 8.16  | 43  | 18611 | 6.733  | ug/L # 75 |
| 59) 1,2,3-Trichloropropane     | 11.27 | 75  | 17015 | 5.307  | ug/L 91   |

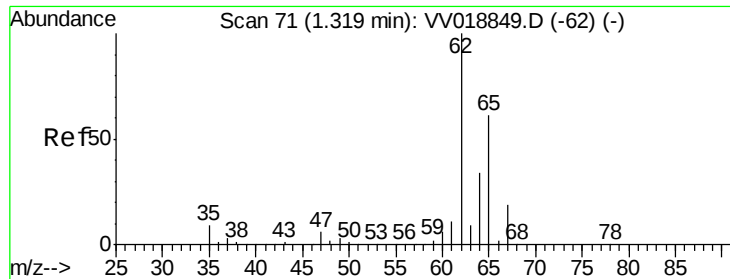
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Tue Oct 13 01:02:26 2020  
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 6.681 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV018857.D

Acq: 12 Oct 2020 15:31

Instrument :

MSVOA\_V

ClientSampleId :

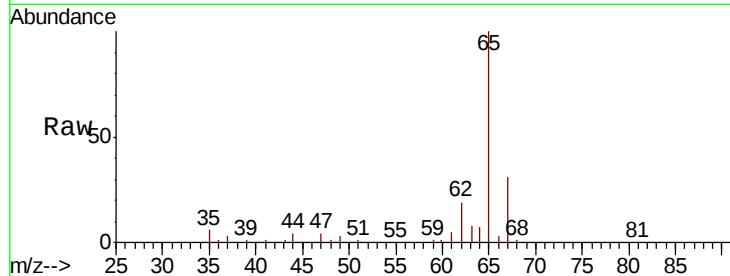
C0AG6

Tot Ion: 62 Resp: 20067

Ion Ratio Lower Upper

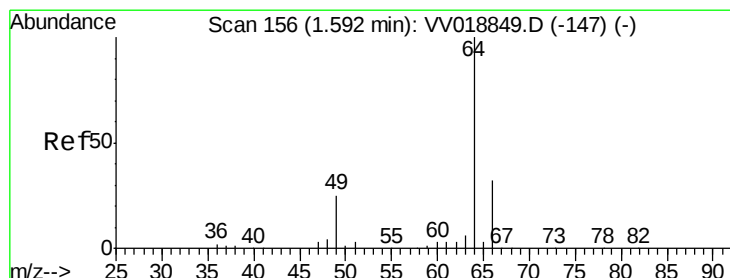
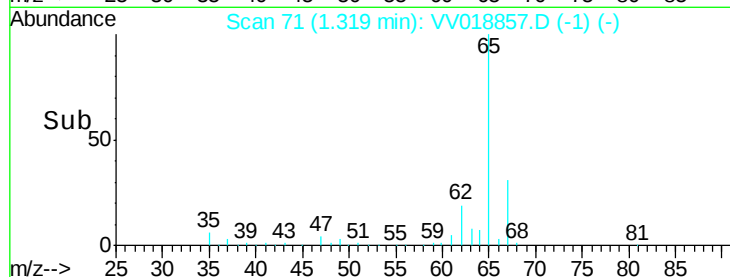
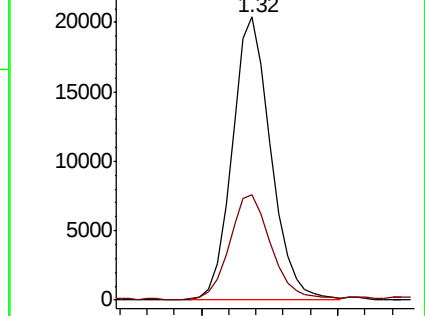
62 100

64 37.1 23.2 43.0



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#8

Chloroethane

Concen: 4.120 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.27 min

Lab File: VV018857.D

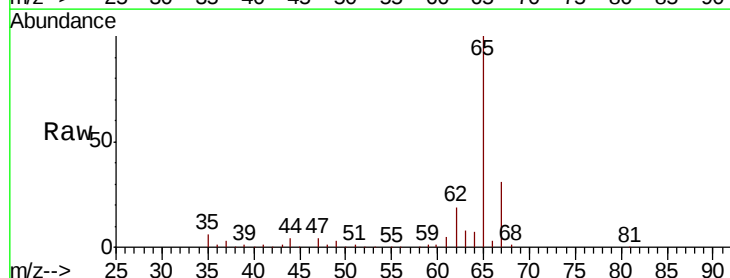
Acq: 12 Oct 2020 15:31

Tgt Ion: 64 Resp: 8103

Ion Ratio Lower Upper

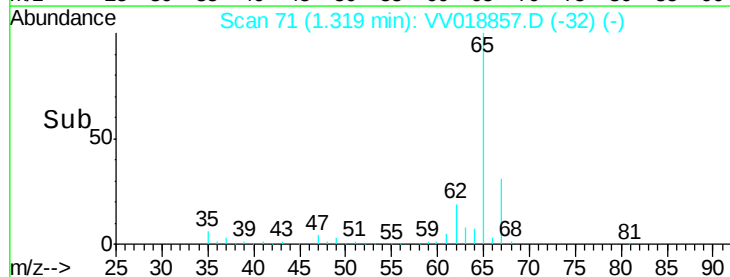
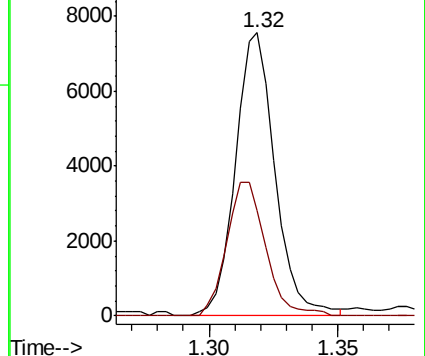
64 100

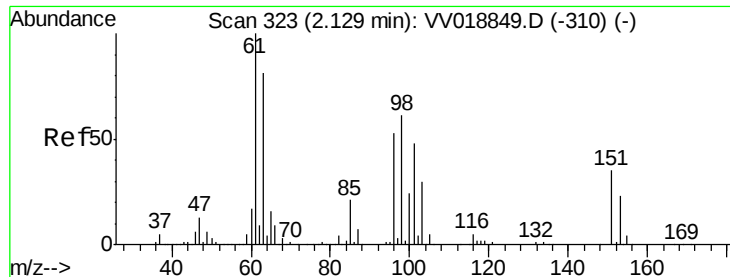
66 37.2 21.7 40.3



Abundance Ion 64.00 (63.70 to 64.70): VV0

Ion 66.00 (65.70 to 66.70): VV0





#10

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

Concen: 0.667 ug/L

RT: 2.12 min Scan# 319

Delta R.T. -0.01 min

Lab File: VV018857.D

Acq: 12 Oct 2020 15:31

Instrument :

MSVOA\_V

ClientSampleId :

C0AG6

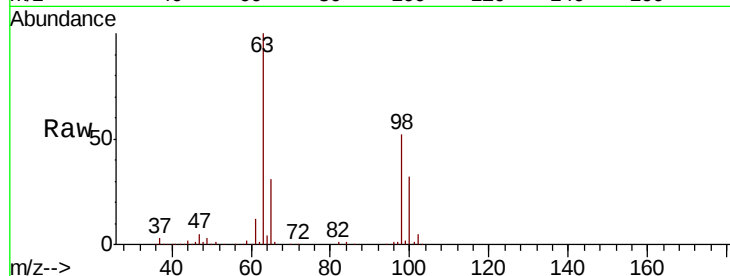
Tot Ion:101 Resp: 1632

Ion Ratio Lower Upper

101 100

85 0.0 35.9 53.9#

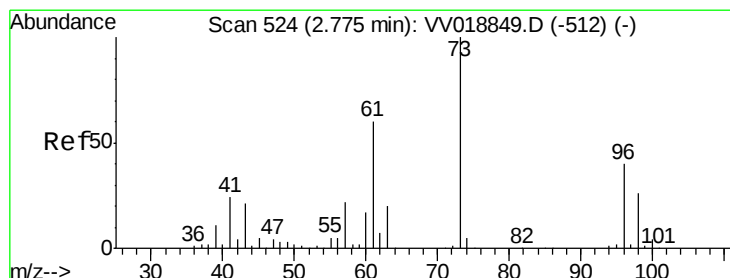
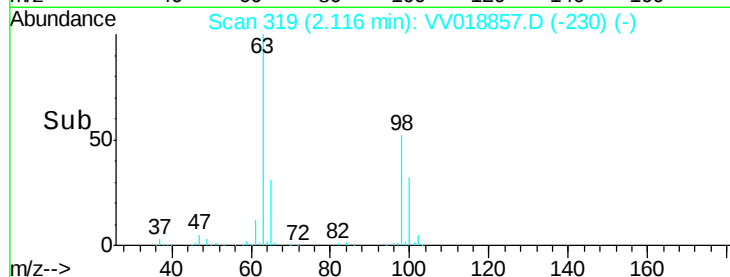
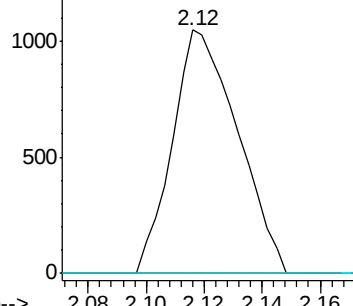
151 0.0 59.8 89.8#



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



#17

trans-1,2-Dichloroethene

Concen: 1.336 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.01 min

Lab File: VV018857.D

Acq: 12 Oct 2020 15:31

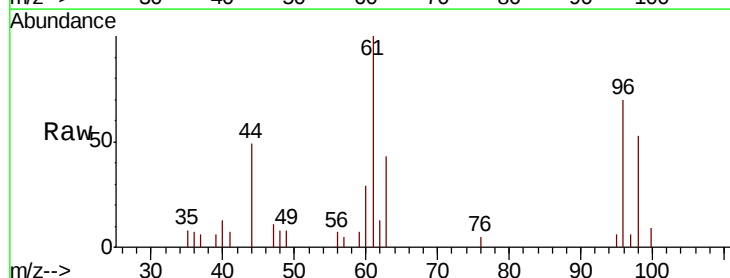
Tgt Ion: 96 Resp: 3320

Ion Ratio Lower Upper

96 100

61 142.6 105.7 196.3

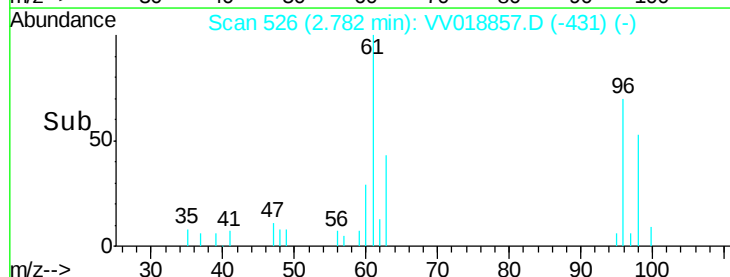
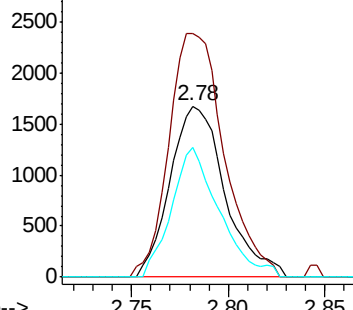
98 75.8 44.7 83.1

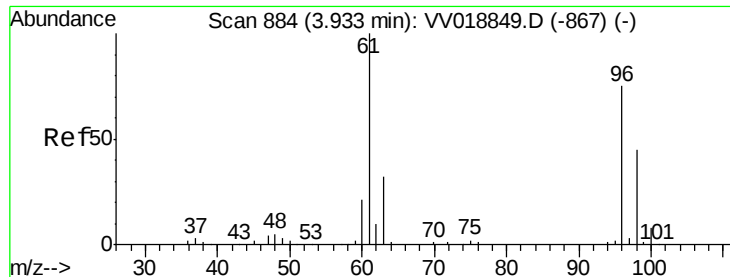


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

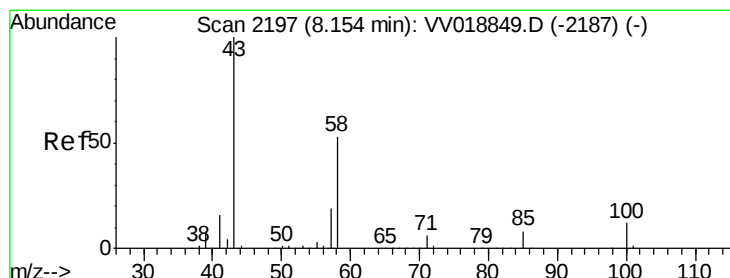
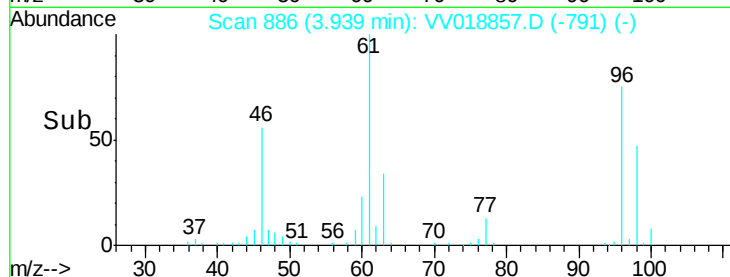
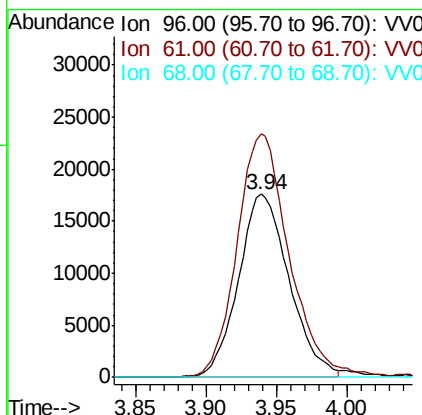
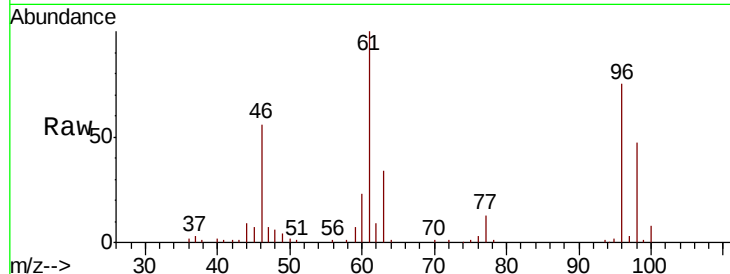




#20  
 cis-1,2-Dichloroethene  
 Concen: 16.856 ug/L  
 RT: 3.94 min Scan# 886  
 Delta R.T. 0.01 min  
 Lab File: VV018857.D  
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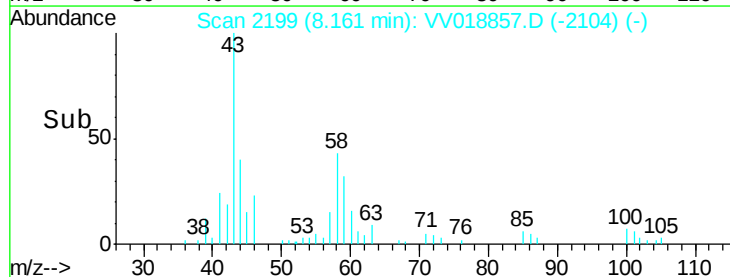
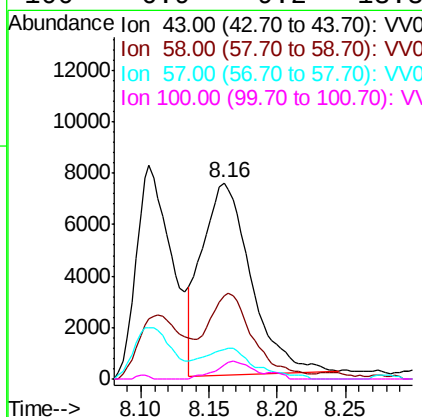
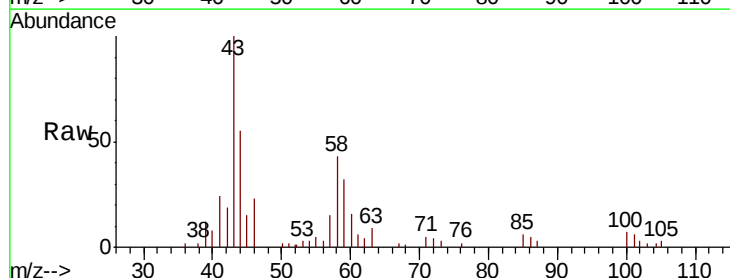
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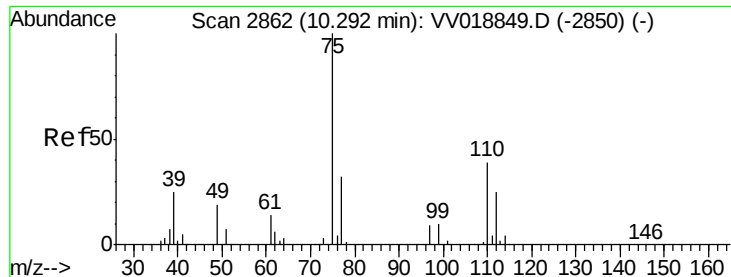
Tot Ion: 96 Resp: 44273  
 Ion Ratio Lower Upper  
 96 100  
 61 132.8 97.3 180.7  
 68 0.0 0.0 0.0



#48  
 2-Hexanone  
 Concen: 6.733 ug/L  
 RT: 8.16 min Scan# 2199  
 Delta R.T. 0.01 min  
 Lab File: VV018857.D  
 Acq: 12 Oct 2020 15:31

Tgt Ion: 43 Resp: 18611  
 Ion Ratio Lower Upper  
 43 100  
 58 37.0 41.8 62.8#  
 57 0.0 14.9 22.3#  
 100 6.9 9.2 13.8#





#59

1,2,3-Trichloropropane

Concen: 5.307 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV018857.D

Acq: 12 Oct 2020 15:31

Instrument :

MSVOA\_V

ClientSampleId :

C0AG6

Tot Ion: 75 Resp: 17015

Ion Ratio Lower Upper

75 100

77 37.6 25.9 38.9

