

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082720\  
 Data File : VV018115.D  
 Acq On : 27 Aug 2020 14:26  
 Operator : SY/MD  
 Sample : VIBLK51  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VIBLK51

Quant Time: Aug 28 06:23:10 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM081120WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Aug 28 06:20:16 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 266226   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 265333   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 128375   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

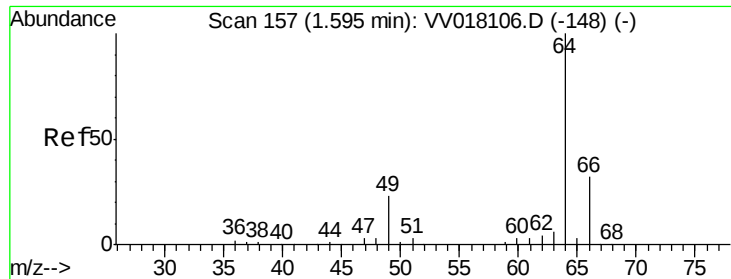
|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 84182    | 41.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 82.88%  |
| 7) Chloroethane-d5             | 1.58    | 69    | 76755    | 46.19    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 92.38%  |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 130511   | 33.59    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 67.18%  |
| 21) 2-Butanone-d5              | 3.91    | 46    | 121510   | 91.33    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 91.33%  |
| 24) Chloroform-d               | 4.37    | 84    | 166712   | 45.09    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 90.18%  |
| 26) 1,2-Dichloroethane-d4      | 5.05    | 65    | 114413   | 47.64    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 95.28%  |
| 32) Benzene-d6                 | 5.07    | 84    | 338319   | 46.27    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 92.54%  |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 111321   | 46.57    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 93.14%  |
| 41) Toluene-d8                 | 7.34    | 98    | 296941   | 45.15    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 90.30%  |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 50750    | 46.80    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 93.60%  |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 65050    | 84.79    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 84.79%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.23   | 84    | 141292   | 45.39    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 90.78%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 127476   | 50.45    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 100.90% |

## Target Compounds

|                             |       |    |       |              | Ovalue |
|-----------------------------|-------|----|-------|--------------|--------|
| 8) Chloroethane             | 1.32  | 64 | 1577  | 1.044 ug/L # | 1      |
| 16) Methylene chloride      | 2.52  | 84 | 2728  | 1.199 ug/L   | 91     |
| 25) Chloroform              | 4.40  | 83 | 5533  | 1.470 ug/L   | 99     |
| 27) 1,2-Dichloroethane      | 5.07  | 62 | 2267  | 0.757 ug/L # | 75     |
| 35) Methylcyclohexane       | 6.09  | 83 | 26655 | 8.261 ug/L # | 17     |
| 37) 1,2-Dichloropropane     | 6.09  | 63 | 12316 | 5.501 ug/L # | 87     |
| 39) cis-1,3-Dichloropropene | 7.01  | 75 | 3003  | 0.946 ug/L # | 61     |
| 48) 2-Hexanone              | 8.11  | 43 | 8357  | 3.541 ug/L # | 70     |
| 59) 1,2,3-Trichloropropane  | 11.27 | 75 | 14822 | 5.361 ug/L   | 89     |

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





#8

Chloroethane

Concen: 1.044 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.28 min

Lab File: VV018115.D

Acq: 27 Aug 2020 14:26

Instrument :

MSVOA\_V

ClientSampled :

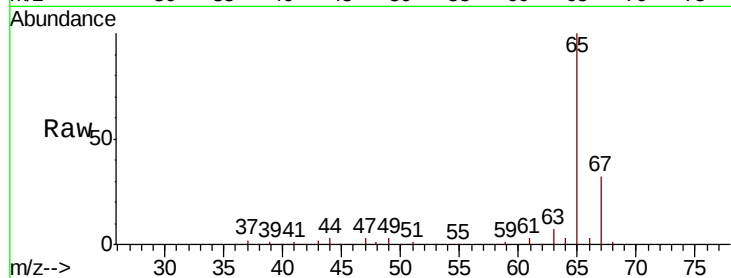
VIBLK51

Tot Ion: 64 Resp: 1577

Ion Ratio Lower Upper

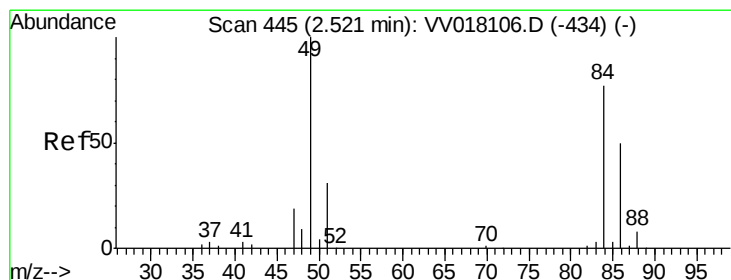
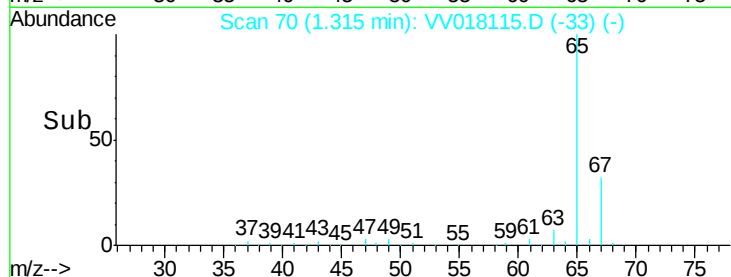
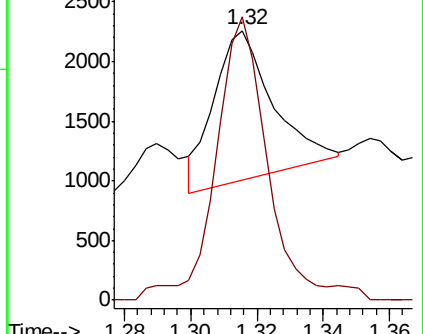
64 100

66 104.9 22.3 41.3#



Abundance Ion 64.00 (63.70 to 64.70): VV0

Ion 66.00 (65.70 to 66.70): VV0



#16

Methylene chloride

Concen: 1.199 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV018115.D

Acq: 27 Aug 2020 14:26

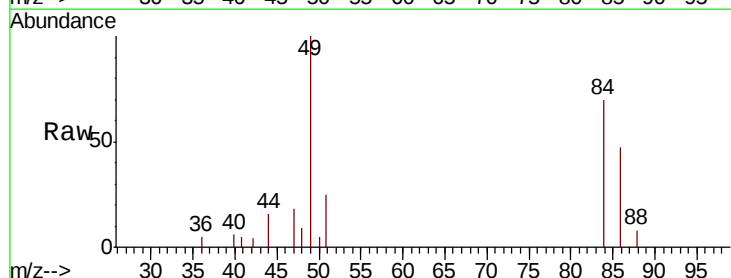
Tgt Ion: 84 Resp: 2728

Ion Ratio Lower Upper

84 100

86 67.2 46.3 85.9

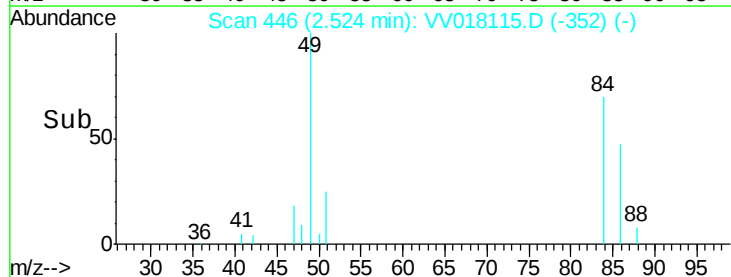
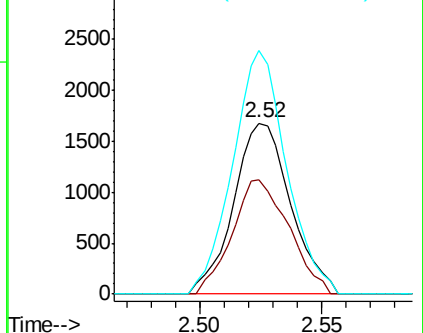
49 142.5 89.7 166.5

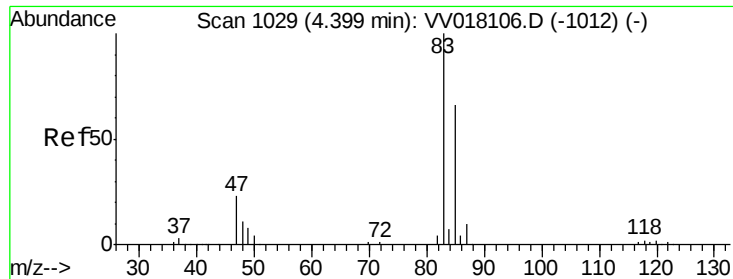


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

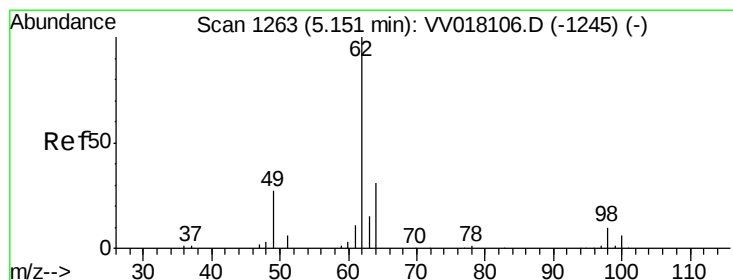
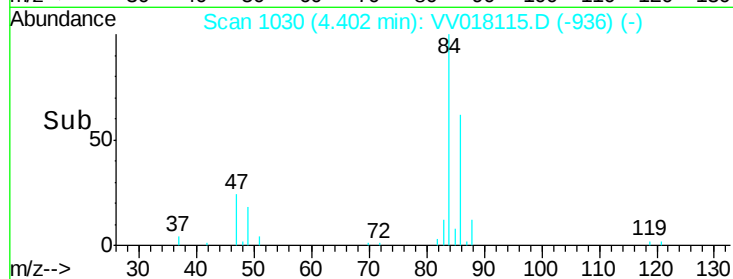
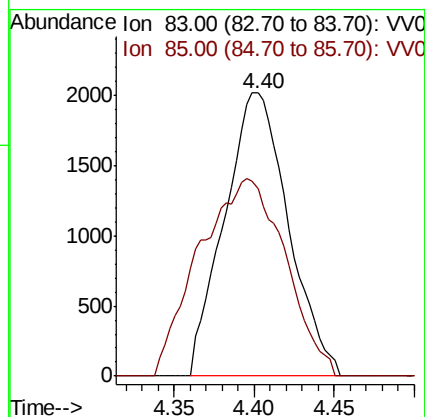
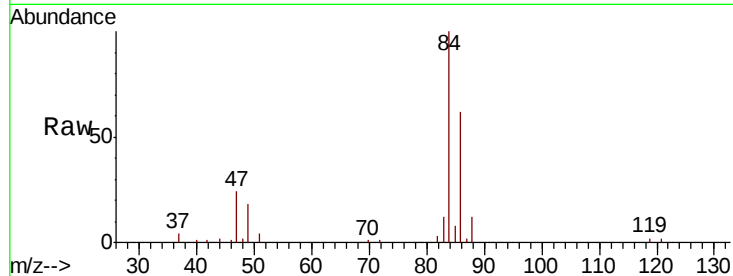




#25  
Chloroform  
Concen: 1.470 ug/L  
RT: 4.40 min Scan# 1030  
Delta R.T. 0.00 min  
Lab File: VV018115.D  
Acq: 27 Aug 2020 14:26

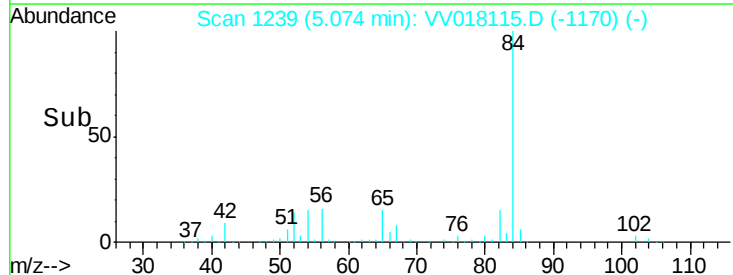
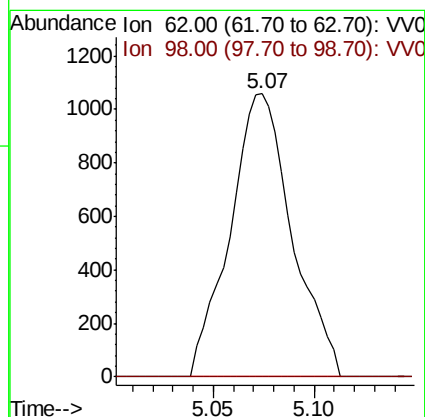
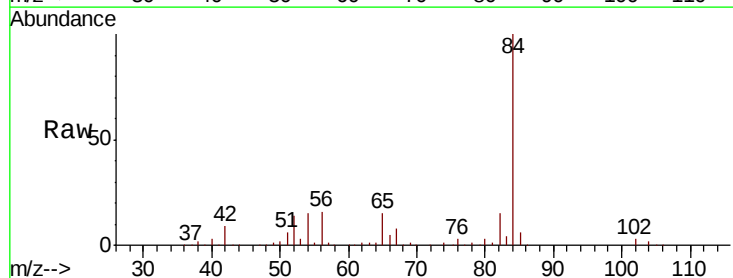
Instrument :  
MSVOA\_V  
ClientSampleId :  
VIBLK51

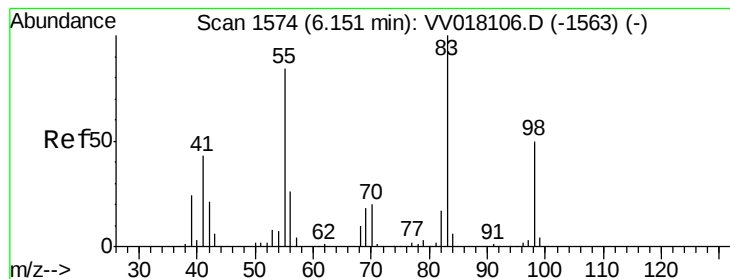
Tot Ion: 83 Resp: 5533  
Ion Ratio Lower Upper  
83 100  
85 66.1 45.5 84.5



#27  
1,2-Dichloroethane  
Concen: 0.757 ug/L  
RT: 5.07 min Scan# 1239  
Delta R.T. -0.08 min  
Lab File: VV018115.D  
Acq: 27 Aug 2020 14:26

Tgt Ion: 62 Resp: 2267  
Ion Ratio Lower Upper  
62 100  
98 0.0 7.1 10.7#





#35

Methylcyclohexane

Concen: 8.261 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.06 min

Lab File: VV018115.D

Acq: 27 Aug 2020 14:26

Instrument :

MSVOA\_V

ClientSampleId :

VIBLK51

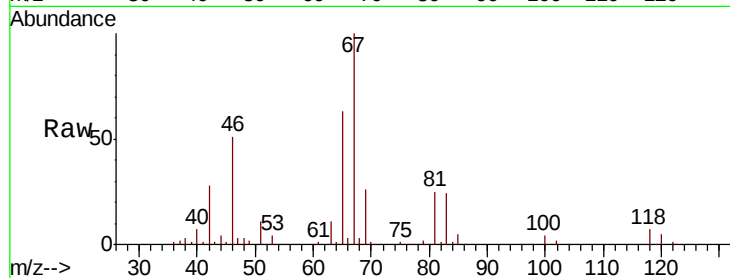
Tot Ion: 83 Resp: 26655

Ion Ratio Lower Upper

83 100

55 0.0 64.9 97.3#

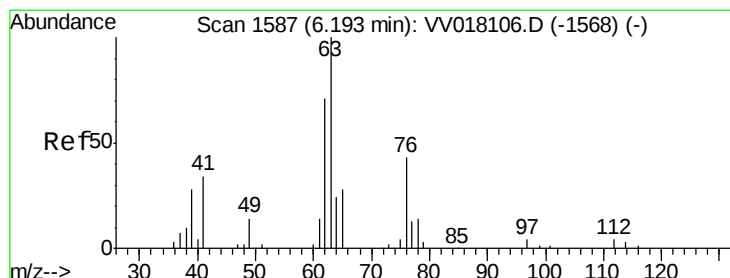
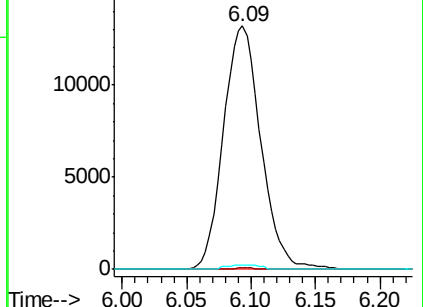
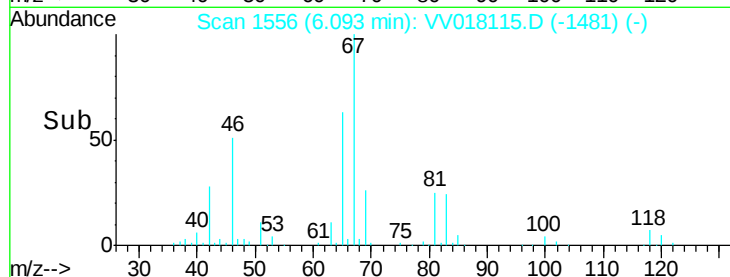
98 1.2 38.7 58.1#



Abundance Ion 83.00 (82.70 to 83.70): VV018115.D (-1481) (-)

Ion 55.00 (54.70 to 55.70): VV018115.D (-1481) (-)

Ion 98.00 (97.70 to 98.70): VV018115.D (-1481) (-)



#37

1,2-Dichloropropane

Concen: 5.501 ug/L

RT: 6.09 min Scan# 1555

Delta R.T. -0.10 min

Lab File: VV018115.D

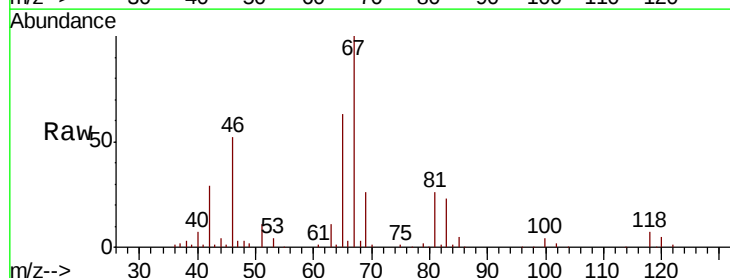
Acq: 27 Aug 2020 14:26

Tgt Ion: 63 Resp: 12316

Ion Ratio Lower Upper

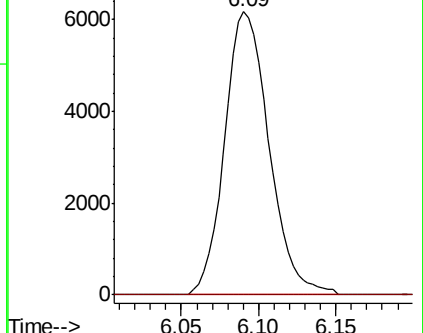
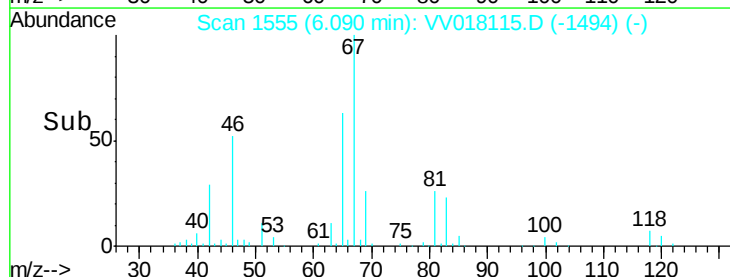
63 100

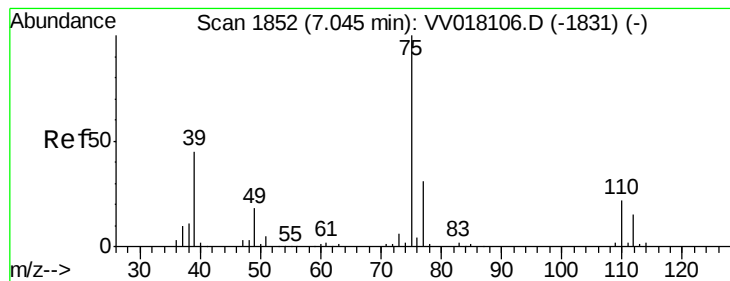
112 0.0 3.5 5.3#



Abundance Ion 63.00 (62.70 to 63.70): VV018115.D (-1494) (-)

Ion 112.00 (111.70 to 112.70): VV018115.D (-1494) (-)



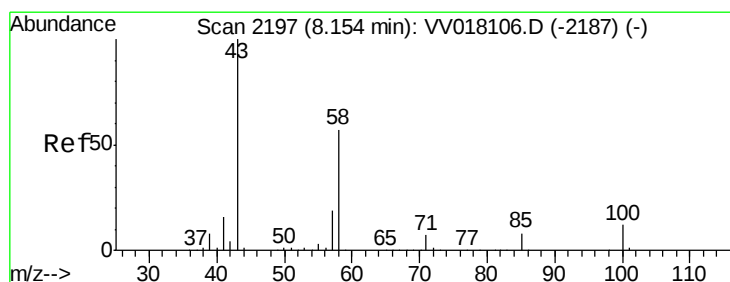
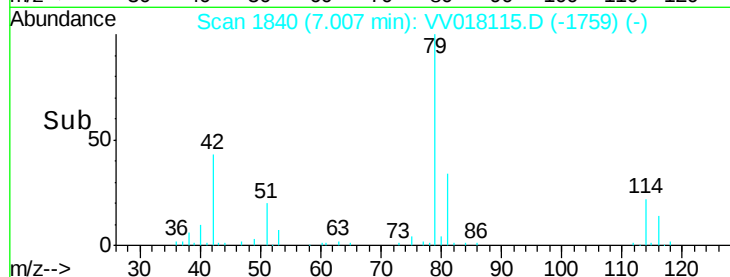
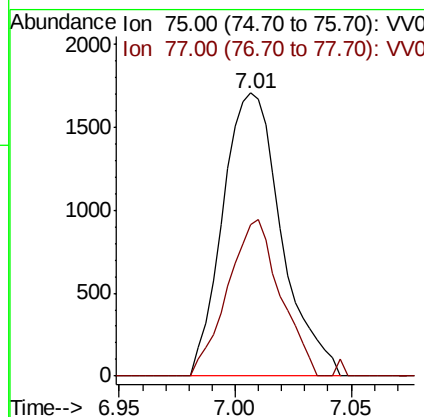
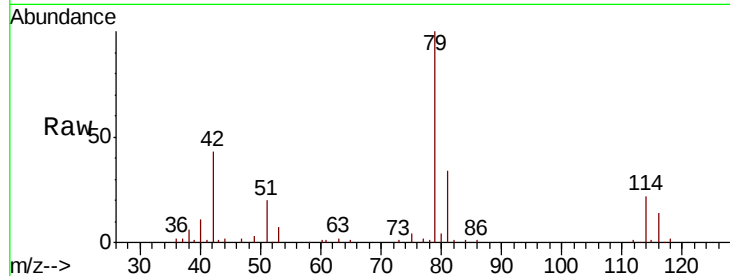


#39

cis-1,3-Dichloropropene  
 Concen: 0.946 ug/L  
 RT: 7.01 min Scan# 1840  
 Delta R.T. -0.04 min  
 Lab File: VV018115.D  
 Acq: 27 Aug 2020 14:26

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VIBLK51

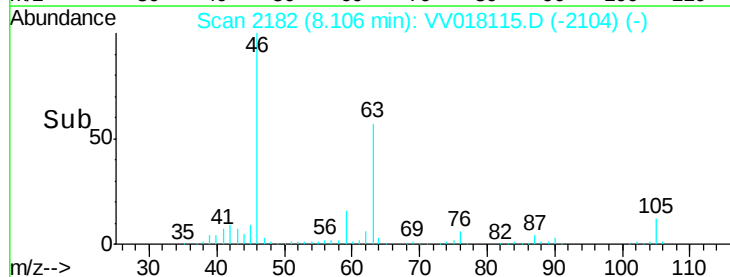
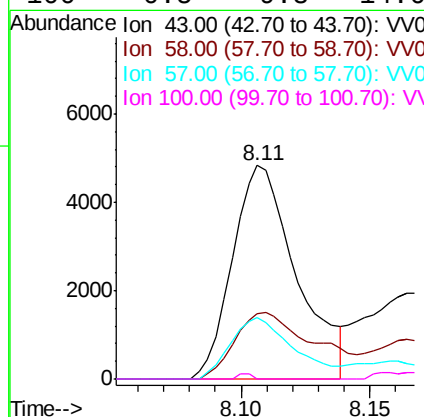
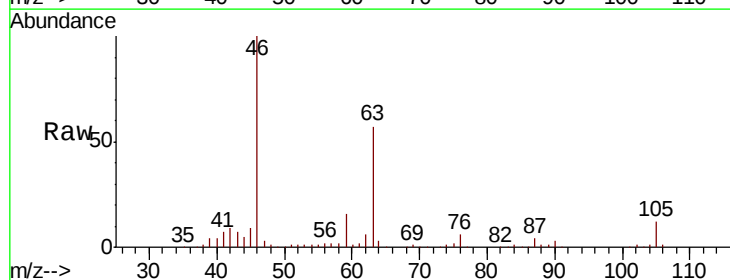
Tot Ion: 75 Resp: 3003  
 Ion Ratio Lower Upper  
 75 100  
 77 53.6 22.3 41.5#

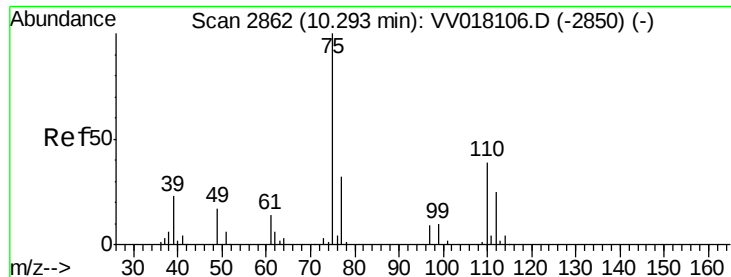


#48

2-Hexanone  
 Concen: 3.541 ug/L  
 RT: 8.11 min Scan# 2182  
 Delta R.T. -0.05 min  
 Lab File: VV018115.D  
 Acq: 27 Aug 2020 14:26

Tgt Ion: 43 Resp: 8357  
 Ion Ratio Lower Upper  
 43 100  
 58 30.9 44.4 66.6#  
 57 28.4 15.2 22.8#  
 100 0.5 9.8 14.6#





#59  
 1,2,3-Trichloropropane  
 Concen: 5.361 ug/L  
 RT: 11.27 min Scan# 3166  
 Delta R.T. 0.98 min  
 Lab File: VV018115.D  
 Acq: 27 Aug 2020 14:26

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VIBLK51

Tot Ion: 75 Resp: 14822  
 Ion Ratio Lower Upper  
 75 100  
 77 38.0 25.7 38.5

