

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV033120\  
 Data File : VV015311.D  
 Acq On : 31 Mar 2020 14:11  
 Operator : SY/MD  
 Sample : L1975-12RE  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Apr 01 01:25:20 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM033020WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Apr 01 01:17:34 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 565701   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 559082   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 254147   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |          |
|--------------------------------|---------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 185466   | 44.96    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 89.92%   |
| 7) Chloroethane-d5             | 1.58    | 69    | 178114   | 46.40    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 92.80%   |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 291281   | 32.75    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 65.50%   |
| 21) 2-Butanone-d5              | 3.84    | 46    | 4104     | 1.52     | ug/L | -0.09    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 1.52%#   |
| 24) Chloroform-d               | 4.38    | 84    | 358002   | 48.28    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.56%   |
| 26) 1,2-Dichloroethane-d4      | 5.06    | 65    | 248348   | 51.24    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 102.48%  |
| 32) Benzene-d6                 | 5.08    | 84    | 699012   | 47.90    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 95.80%   |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 224751   | 49.24    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 98.48%   |
| 41) Toluene-d8                 | 7.34    | 98    | 673560   | 47.70    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 95.40%   |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 120593   | 48.52    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 97.04%   |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 284794   | 133.01   | ug/L | 0.00     |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 133.01%# |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 335712   | 49.84    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 99.68%   |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 242530   | 47.95    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 95.90%   |

## Target Compounds

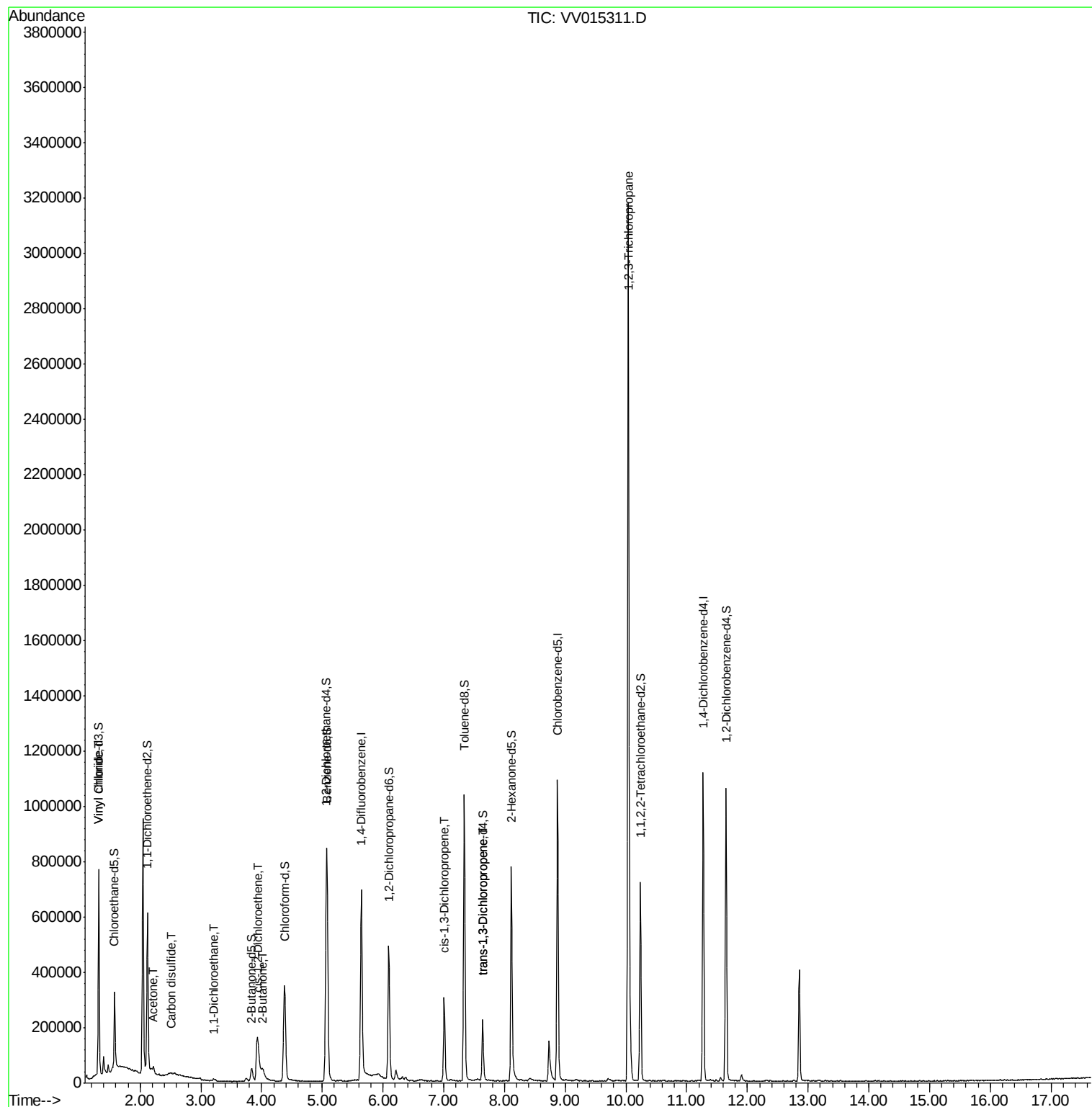
| Target Compounds              | R.T.  | QIon | Response | Conc   | Units  | Ovalue |
|-------------------------------|-------|------|----------|--------|--------|--------|
| 5) Vinyl chloride             | 1.32  | 62   | 302156   | 63.371 | ug/L   | 97     |
| 13) Acetone                   | 2.21  | 43   | 30762    | 16.712 | ug/L   | 56     |
| 14) Carbon disulfide          | 2.51  | 76   | 16056    | 1.577  | ug/L   | 99     |
| 19) 1,1-Dichloroethane        | 3.22  | 63   | 6494     | 0.993  | ug/L # | 90     |
| 20) cis-1,2-Dichloroethene    | 3.95  | 96   | 7603     | 1.929  | ug/L # | 88     |
| 22) 2-Butanone                | 4.02  | 43   | 78969    | 29.430 | ug/L   | 99     |
| 39) cis-1,3-Dichloropropene   | 7.01  | 75   | 8362     | 1.315  | ug/L # | 68     |
| 44) trans-1,3-Dichloropropene | 7.64  | 75   | 6163     | 0.987  | ug/L   | 87     |
| 59) 1,2,3-Trichloropropane    | 10.04 | 75   | 7159     | 1.374  | ug/L   | 94     |

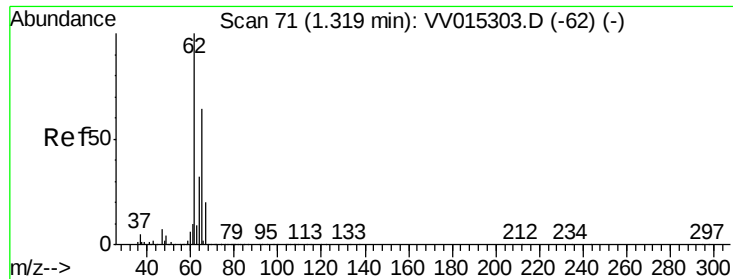
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV033120\  
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Acq On : 31 Mar 2020 14:11  
Operator : SY/MD  
Sample : L1975-12RE  
Misc : 5.0mL/MSVOA V/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :

Quant Time: Apr 01 01:25:20 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM033020WMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed Apr 01 01:17:34 2020  
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 63.371 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV015311.D

Acq: 31 Mar 2020 14:11

Instrument :

MSVOA\_V

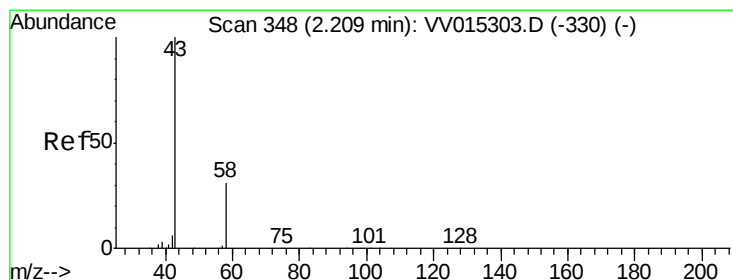
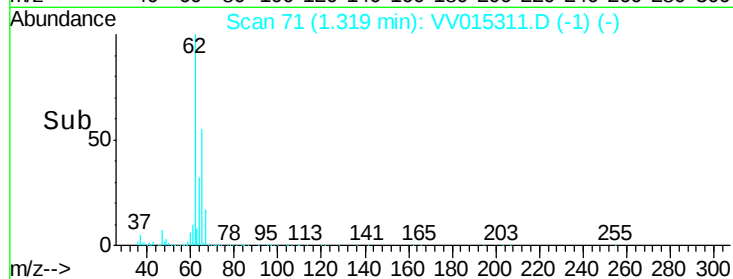
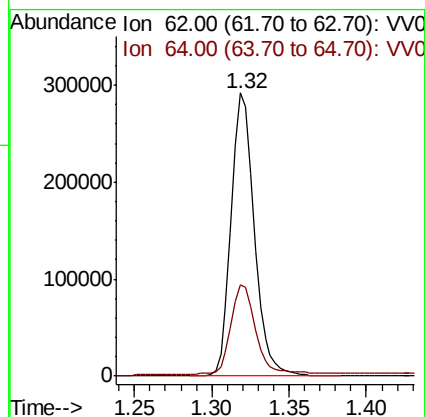
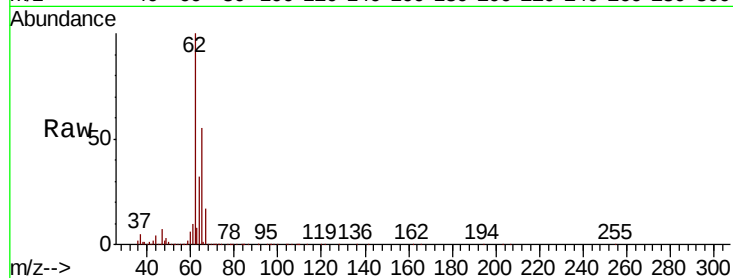
ClientSampleId :

Tot Ion: 62 Resp: 302156

Ion Ratio Lower Upper

62 100

64 32.4 23.9 44.3



#13

Acetone

Concen: 16.712 ug/L

RT: 2.21 min Scan# 347

Delta R.T. -0.00 min

Lab File: VV015311.D

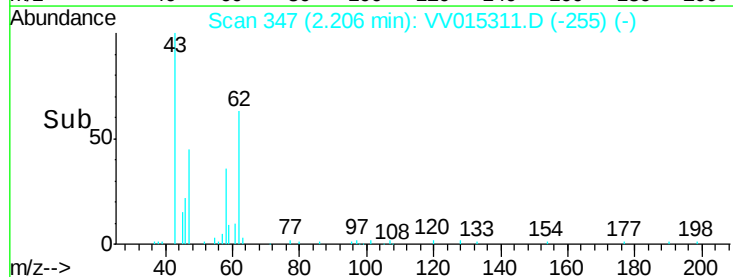
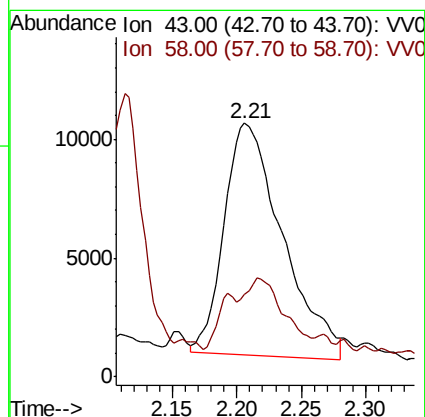
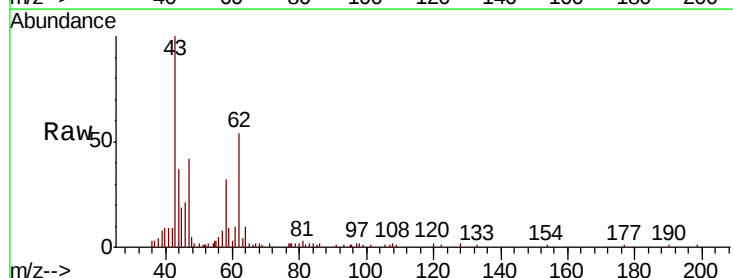
Acq: 31 Mar 2020 14:11

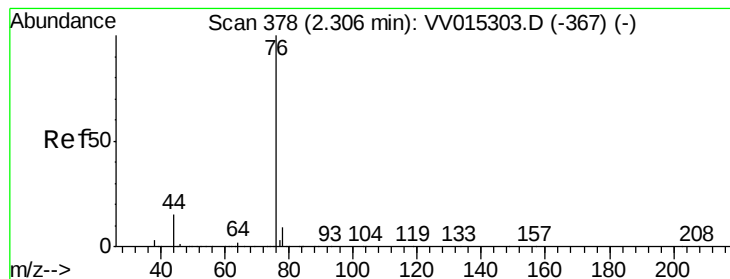
Tgt Ion: 43 Resp: 30762

Ion Ratio Lower Upper

43 100

58 7.3 0.0 63.6





#14

Carbon disulfide

Concen: 1.577 ug/L

RT: 2.51 min Scan# 442

Delta R.T. 0.21 min

Lab File: VV015311.D

Acq: 31 Mar 2020 14:11

Instrument :

MSVOA\_V

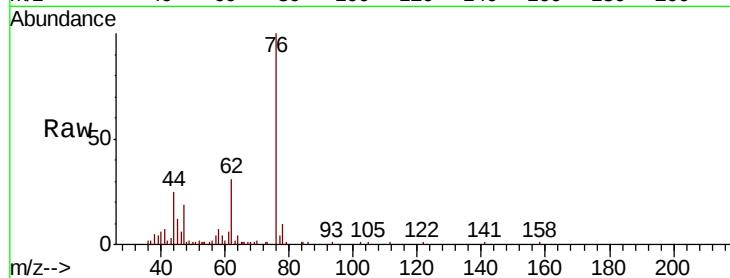
ClientSampled :

Tot Ion: 76 Resp: 16056

Ion Ratio Lower Upper

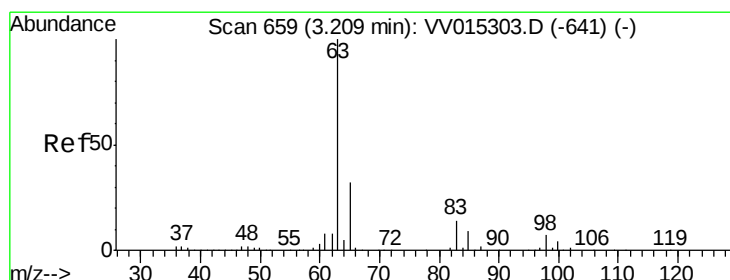
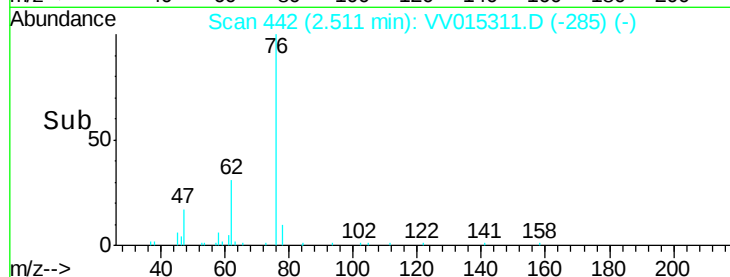
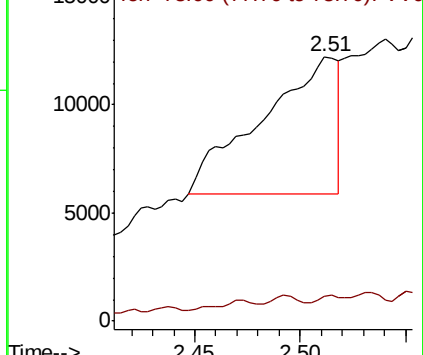
76 100

78 9.5 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV015311.D (-285) (-)

Ion 78.00 (77.70 to 78.70): VV015311.D (-285) (-)



#19

1,1-Dichloroethane

Concen: 0.993 ug/L

RT: 3.22 min Scan# 661

Delta R.T. 0.01 min

Lab File: VV015311.D

Acq: 31 Mar 2020 14:11

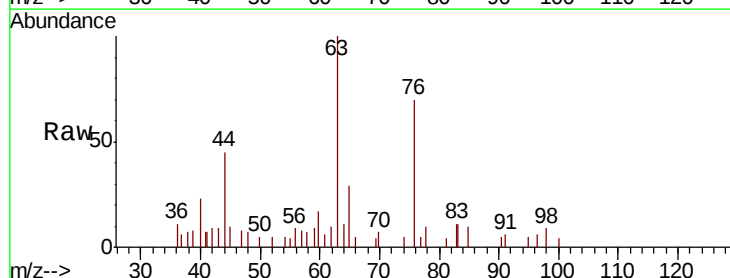
Tgt Ion: 63 Resp: 6494

Ion Ratio Lower Upper

63 100

65 28.9 22.2 41.2

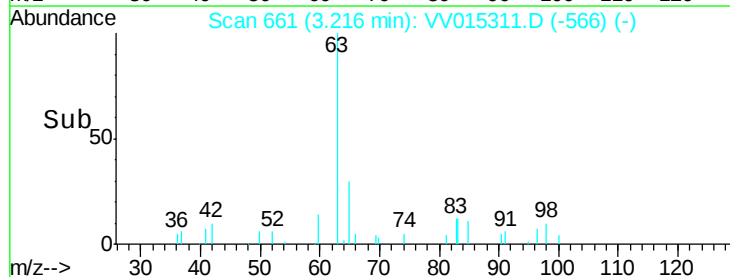
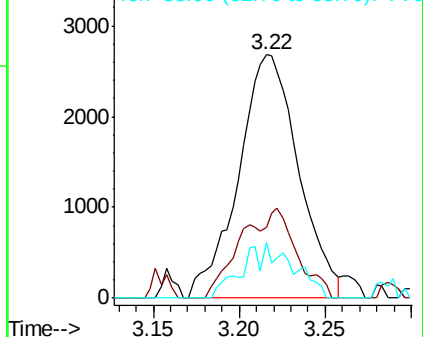
83 22.8 9.7 18.1#

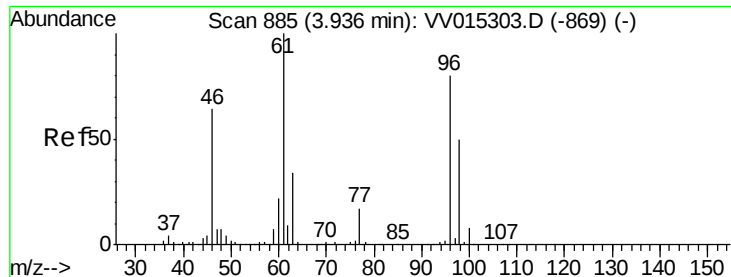


Abundance Ion 63.00 (62.70 to 63.70): VV015311.D (-566) (-)

Ion 65.00 (64.70 to 65.70): VV015311.D (-566) (-)

Ion 83.00 (82.70 to 83.70): VV015311.D (-566) (-)

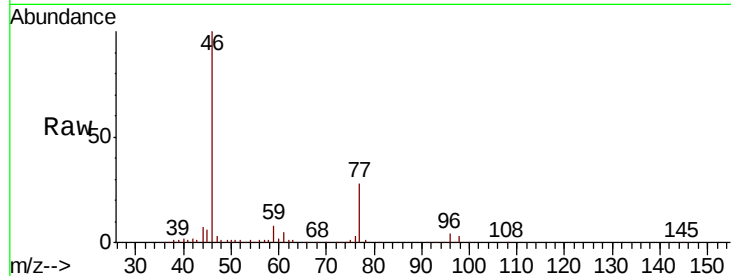




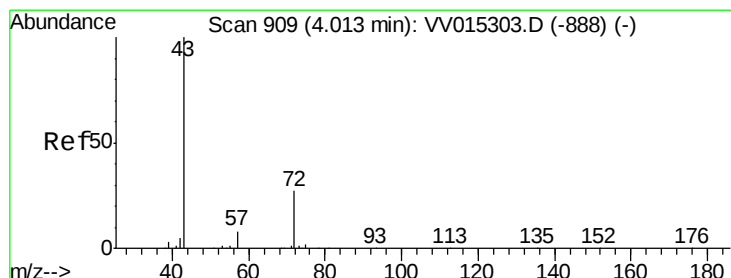
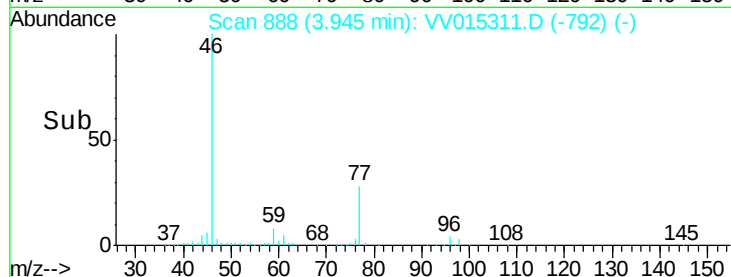
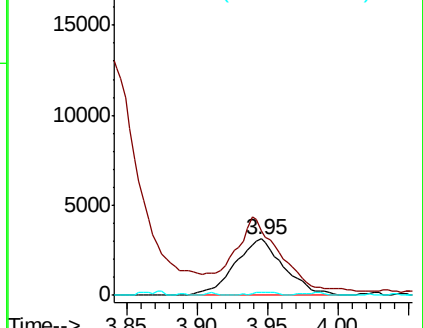
#20  
 cis-1,2-Dichloroethene  
 Concen: 1.929 ug/L  
 RT: 3.95 min Scan# 888  
 Delta R.T. 0.01 min  
 Lab File: VV015311.D  
 Acq: 31 Mar 2020 14:11

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Tot Ion: 96 Resp: 7603  
 Ion Ratio Lower Upper  
 96 100  
 61 115.3 90.2 167.6  
 68 5.5 0.1 0.1#

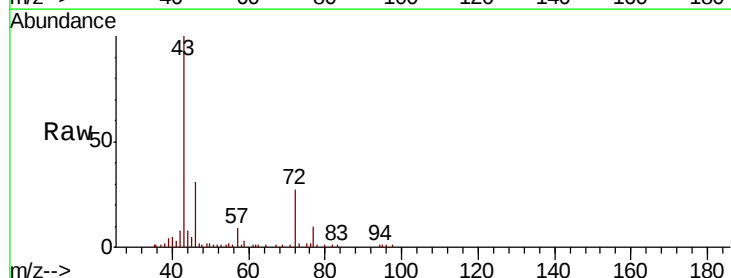


Abundance Ion 96.00 (95.70 to 96.70): VV0  
 Ion 61.00 (60.70 to 61.70): VV0  
 Ion 68.00 (67.70 to 68.70): VV0

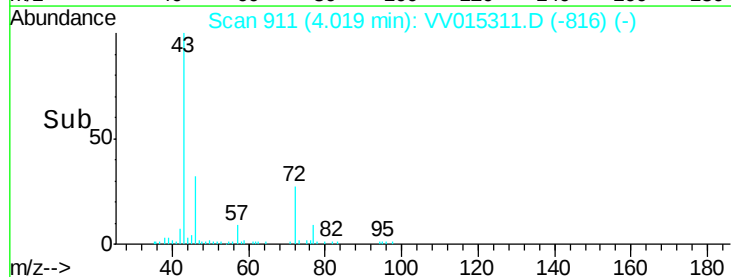
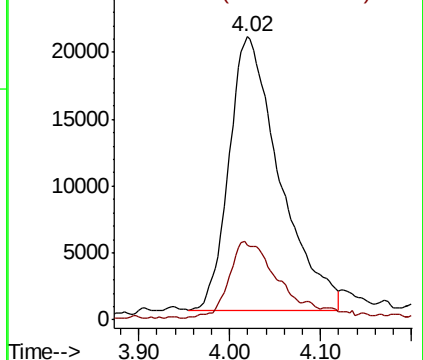


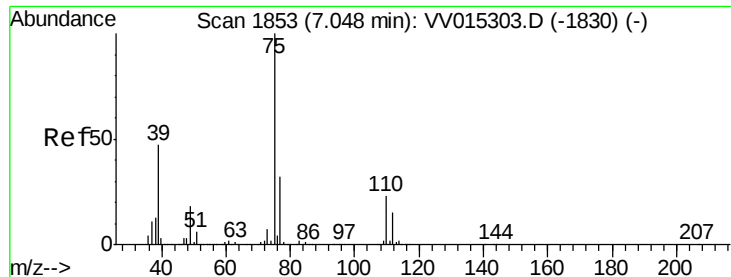
#22  
 2-Butanone  
 Concen: 29.430 ug/L  
 RT: 4.02 min Scan# 911  
 Delta R.T. 0.01 min  
 Lab File: VV015311.D  
 Acq: 31 Mar 2020 14:11

Tgt Ion: 43 Resp: 78969  
 Ion Ratio Lower Upper  
 43 100  
 72 25.0 12.4 37.0



Abundance Ion 43.00 (42.70 to 43.70): VV0  
 Ion 72.00 (71.70 to 72.70): VV0



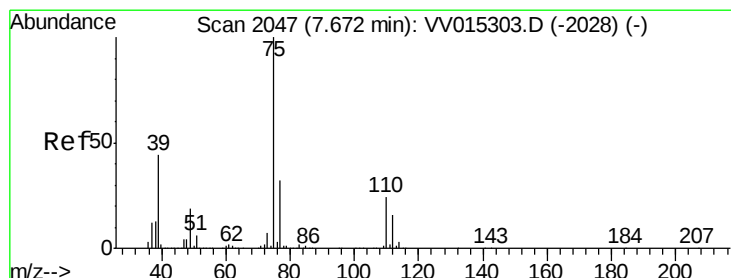
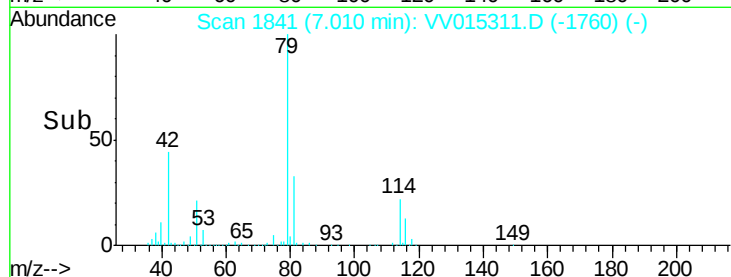
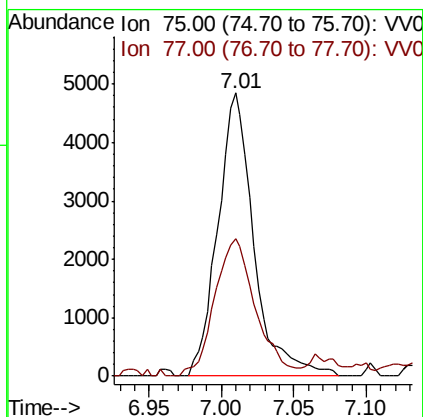
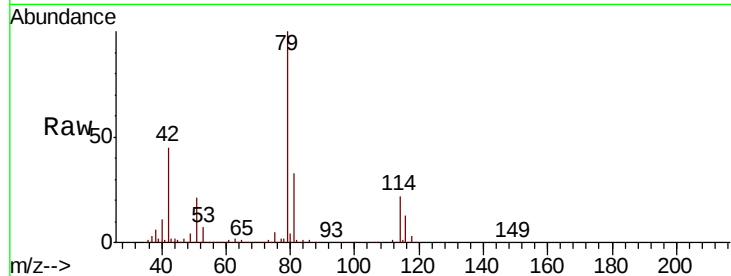


#39

cis-1,3-Dichloropropene  
Concen: 1.315 ug/L  
RT: 7.01 min Scan# 1841  
Delta R.T. -0.04 min  
Lab File: VV015311.D  
Acq: 31 Mar 2020 14:11

Instrument :  
MSVOA\_V  
ClientSampled :

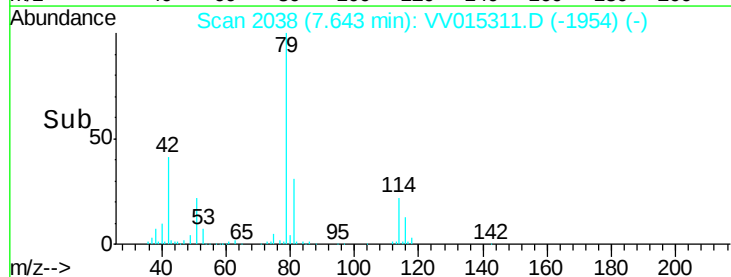
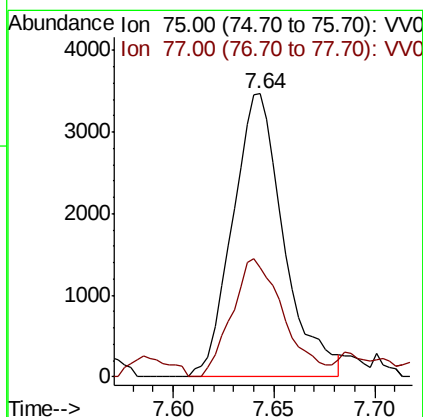
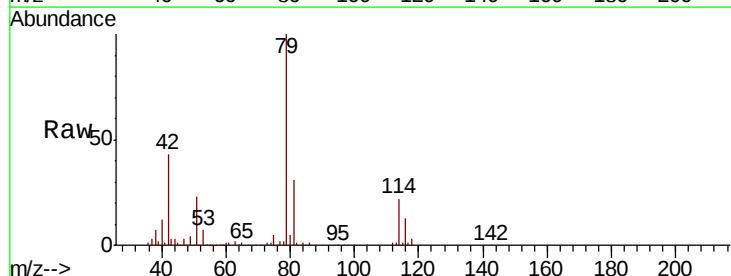
Tot Ion: 75 Resp: 8362  
Ion Ratio Lower Upper  
75 100  
77 48.5 21.6 40.0#

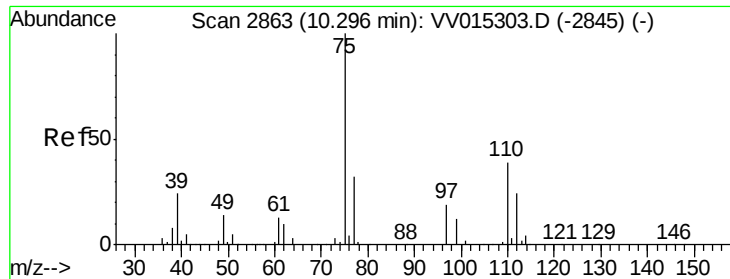


#44

trans-1,3-Dichloropropene  
Concen: 0.987 ug/L  
RT: 7.64 min Scan# 2038  
Delta R.T. -0.03 min  
Lab File: VV015311.D  
Acq: 31 Mar 2020 14:11

Tgt Ion: 75 Resp: 6163  
Ion Ratio Lower Upper  
75 100  
77 38.4 21.8 40.4





#59

1,2,3-Trichloropropane

Concen: 1.374 ug/L

RT: 10.04 min Scan# 2782

Delta R.T. -0.26 min

Lab File: VV015311.D

Acq: 31 Mar 2020 14:11

Instrument :

MSVOA\_V

ClientSampleId :

Tot Ion: 75 Resp: 7159

Ion Ratio Lower Upper

75 100

77 27.4 24.7 37.1

