Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV080819\

Quantitation Report (Not Reviewed)

Data File : VV012138.D
Acq On : 08 Aug 2019 22:09
Operator : SY/MD
Sample : K4214-03
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** C0JZ6

Quant Time: Aug 09 06:48:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Aug 09 06:44:52 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.66 | 114 | 114886 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.89 | 117 | 107307 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152 | 57429 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 24862 | 5.09 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 101.80% | | | |
| 7) Chloroethane-d5 | 1.58 | 69 | 17036 | 4.75 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 95.00% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.13 | 63 | 37595 | 3.80 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 76.00% | | | |
| 20) 2-Butanone-d5 | 3.94 | 46 | 24307 | 19.26 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 38.52%# | | | |
| 24) Chloroform-d | 4.40 | 84 | 67482 | 4.76 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 95.20% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.08 | 65 | 37528 | 5.08 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 101.60% | | | |
| 32) Benzene-d6 | 5.10 | 84 | 129615 | 4.91 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 98.20% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.12 | 67 | 32472 | 4.66 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 93.20% | | | |
| 41) Toluene-d8 | 7.36 | 98 | 126893 | 4.75 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 95.00% | | | |
| 43) trans-1,3-Dichloropropene- | 7.66 | 79 | 16326 | 4.49 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 89.80% | | | |
| 46) 2-Hexanone-d5 | 8.13 | 63 | 43286 | 37.40 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 74.80% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26 | 84 | 26471 | 4.61 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 92.20% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.67 | 152 | 56660 | 5.31 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 106.20% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 3) Chloromethane | 1.25 | 50 | 440 | 0.091 | ug/L | 96 |
| 8) Chloroethane | 1.32 | 64 | 461 | 0.153 | ug/L # | 1 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.13 | 101 | 392 | 0.079 | ug/L # | 12 |
| 13) Acetone | 2.18 | 43 | 4377772 | 5896.118 | ug/L | 98 |
| 15) Methyl Acetate | 2.18 | 43 | 3930786 | 2463.593 | ug/L # | 44 |
| 21) 2-Butanone | 4.01 | 43 | 106154 | 82.730 | ug/L | 99 |
| 27) 1,2-Dichloroethane | 5.09 | 62 | 746 | 0.087 | ug/L # | 77 |
| 30) Cyclohexane | 4.72 | 56 | 11042 | 1.167 | ug/L | 98 |
| 35) Methylcyclohexane | 6.12 | 83 | 9747 | 0.807 | ug/L # | 21 |
| 37) 1,2-Dichloropropane | 6.12 | 63 | 4391 | 0.773 | ug/L # | 85 |
| 38) Bromodichloromethane | 6.58 | 83 | 2161 | 0.222 | ug/L # | 1 |
| 39) cis-1,3-Dichloropropene | 7.03 | 75 | 1335 | 0.130 | ug/L | 98 |
| 44) trans-1,3-Dichloropropene | 7.67 | 75 | 786 | 0.095 | ug/L # | 55 |
| 48) 2-Hexanone | 8.18 | 43 | 3929 | 1.733 | ug/L # | 70 |
| 63) 1,4-Dichlorobenzene | 11.31 | 146 | 1447 | 0.082 | ug/L | 92 |
| 67) 1,3,5-Trichlorobenzene | 12.69 | 180 | 1686 | 0.111 | ug/L # | 88 |
| 68) 1,2,4-trichlorobenzene | 13.31 | 180 | 1706 | 0.135 | ug/L | 88 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV080819\

Quantitation Report (Not Reviewed)

Data File : VV012138.D
Acq On : 08 Aug 2019 22:09
Operator : SY/MD
Sample : K4214-03
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** C0JZ6

Quant Time: Aug 09 06:48:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Aug 09 06:44:52 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 69) Naphthalene | 13.55 | 128 | 3653 | 0.179 ug/L # | 95 |
| 70) 1,2,3-Trichlorobenzene | 13.80 | 180 | 1359 | 0.114 ug/L # | 78 |

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

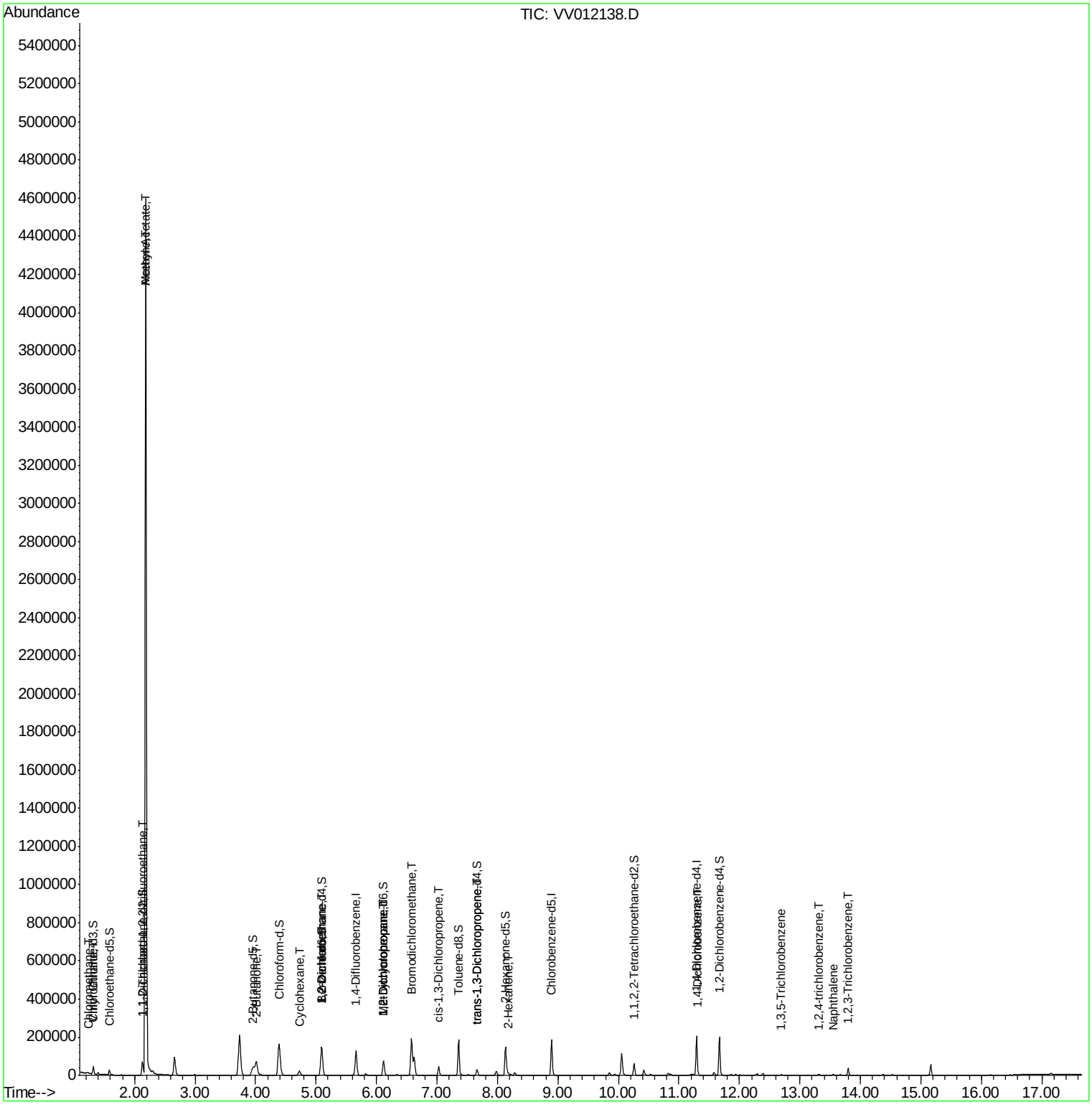
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV080819\

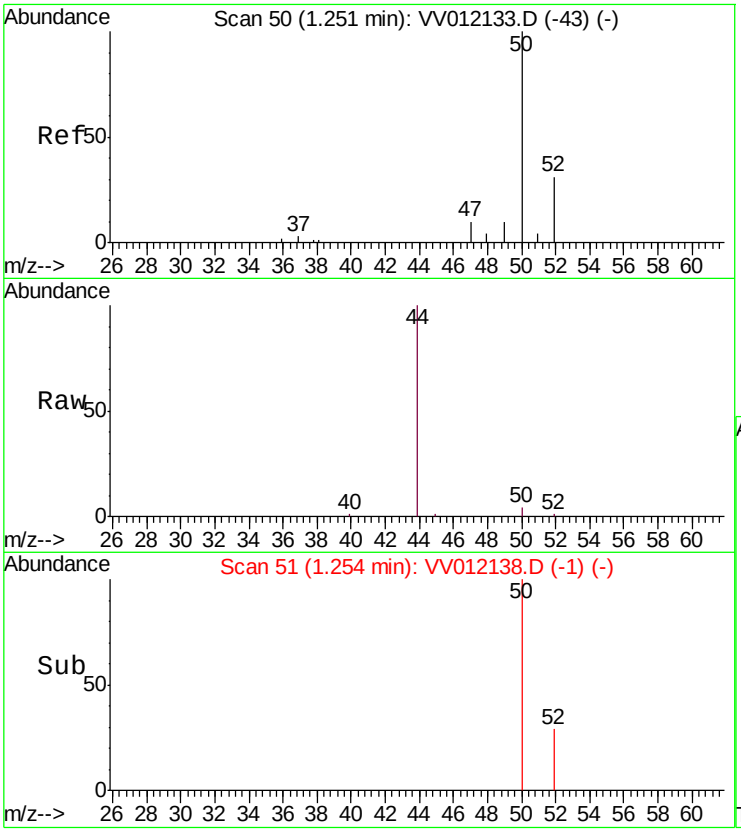
Quantitation Report (Not Reviewed)

Data File : VV012138.D
Acq On : 08 Aug 2019 22:09
Operator : SY/MD
Sample : K4214-03
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** C0JZ6

Quant Time: Aug 09 06:48:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Aug 09 06:44:52 2019
Response via : Initial Calibration



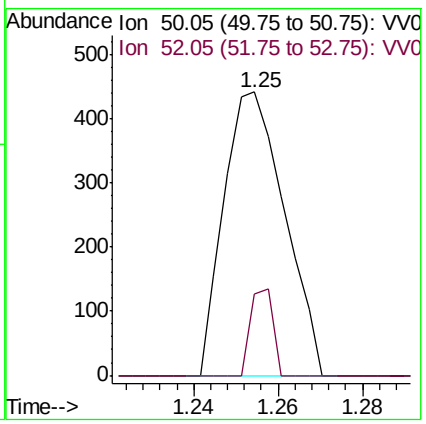


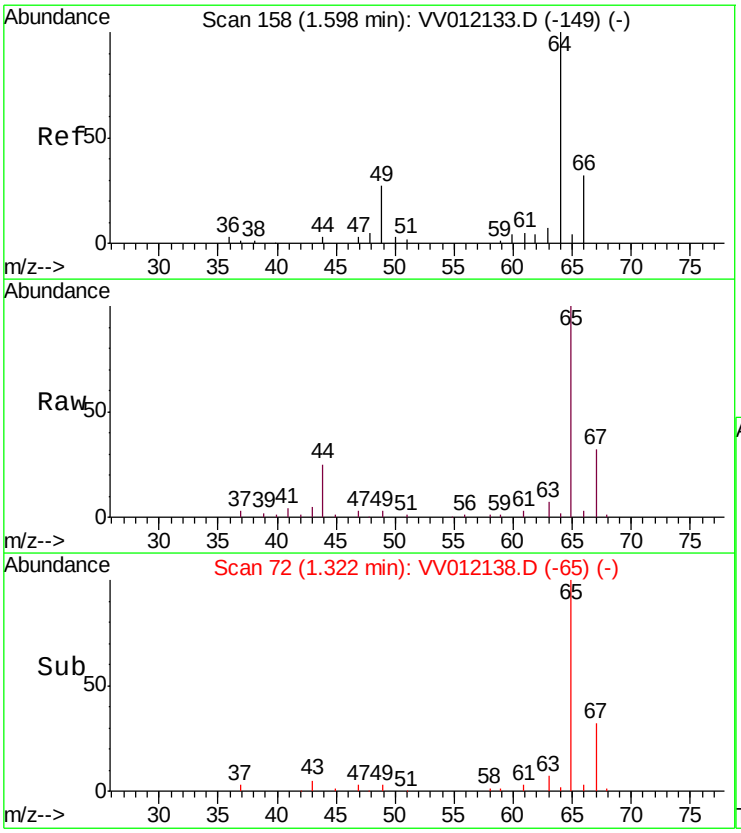

#3
Chloromethane
Concen: 0.091 ug/L
RT: 1.25 min Scan# 51
Delta R.T. 0.00 min
Lab File: VV012138.D
Acq: 08 Aug 2019 22:09

**Instrument :** MSVOA_V
**ClientSampleId :** C0JZ6

Tgt Ion: 50 Resp: 440

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 28.5 | 21.6 | 40.0 |

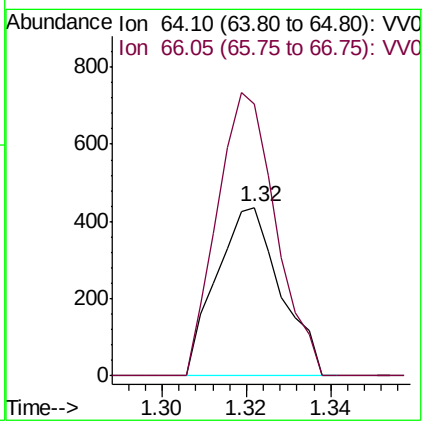


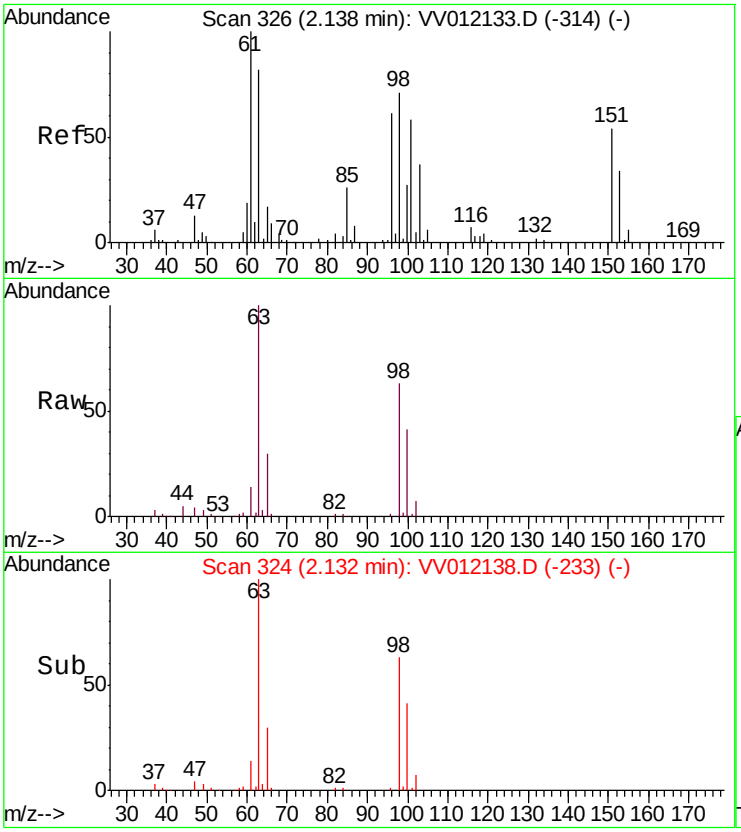




#8
Chloroethane
Concen: 0.153 ug/L
RT: 1.32 min Scan# 72
Delta R.T. -0.28 min
Lab File: VV012138.D
Acq: 08 Aug 2019 22:09

Tgt Ion: 64 Resp: 461

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 161.5 | 22.3 | 41.5# |



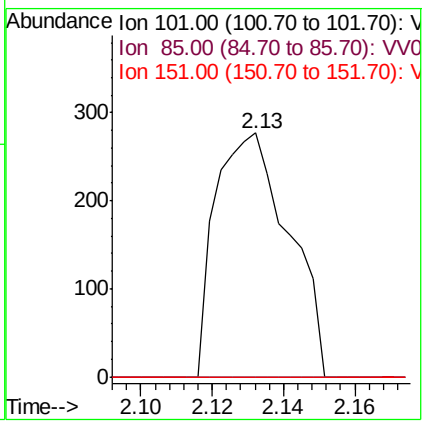


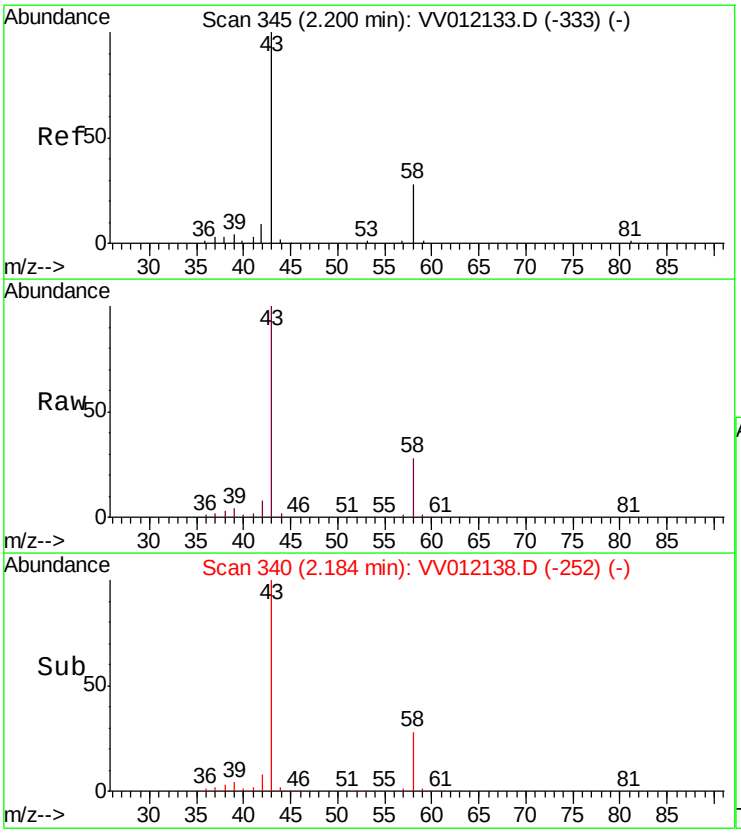

#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.079 ug/L
RT: 2.13 min Scan# 324
Delta R.T. -0.01 min
Lab File: VV012138.D
Acq: 08 Aug 2019 22:09

**Instrument :** MSVOA_V
**ClientSampleId :** C0JZ6

Tgt Ion:101 Resp: 392

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 0.0 | 34.3 | 51.5# |
| 151 | 0.0 | 75.0 | 112.6# |

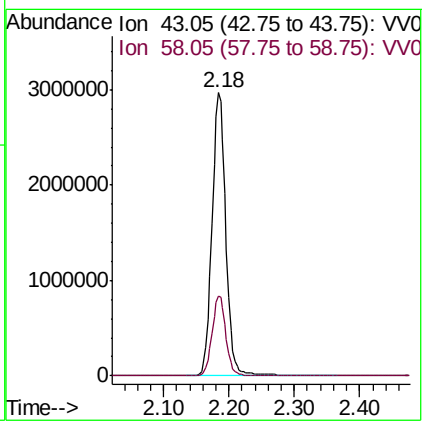


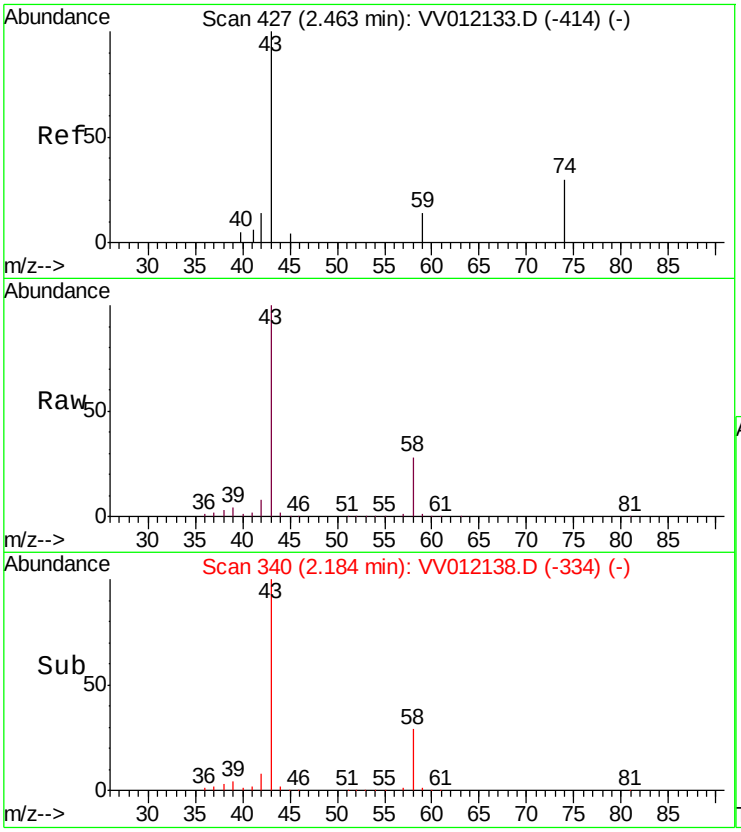




#13
Acetone
Concen: 5896.118 ug/L
RT: 2.18 min Scan# 340
Delta R.T. -0.02 min
Lab File: VV012138.D
Acq: 08 Aug 2019 22:09

Tgt Ion: 43 Resp: 4377772

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 28.1 | 0.0 | 54.6 |



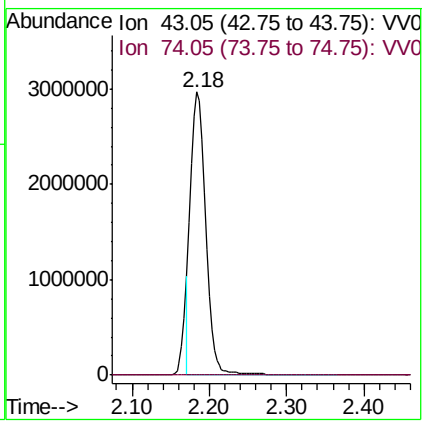


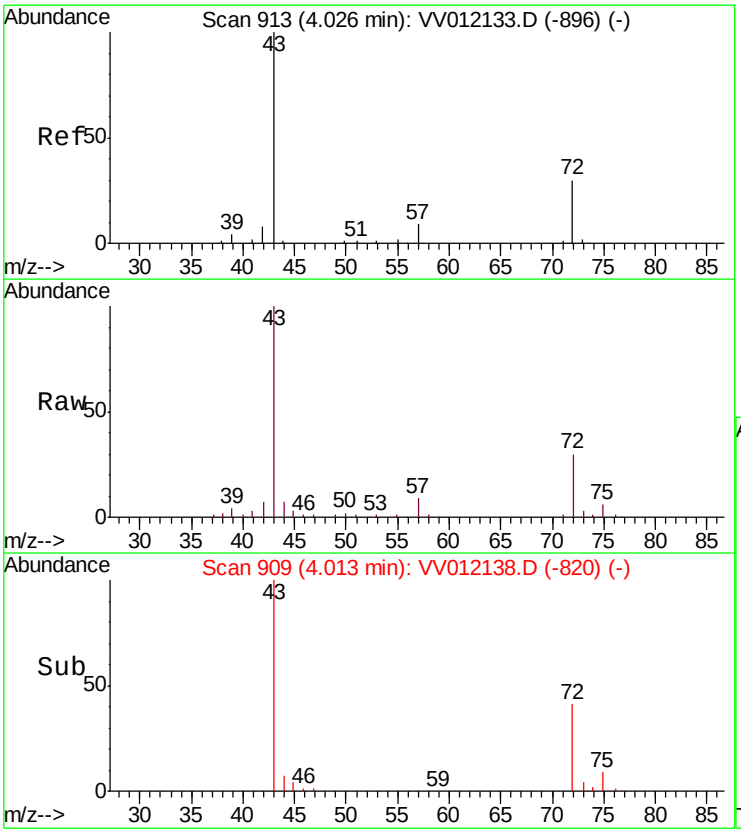

#15
Methyl Acetate
Concen: 2463.593 ug/L
RT: 2.18 min Scan# 340
Delta R.T. -0.28 min
Lab File: VV012138.D
Acq: 08 Aug 2019 22:09

**Instrument :** MSVOA_V
**ClientSampleId :** C0JZ6

Tgt Ion: 43 Resp: 3930786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 0.0 | 24.6 | 36.8# |

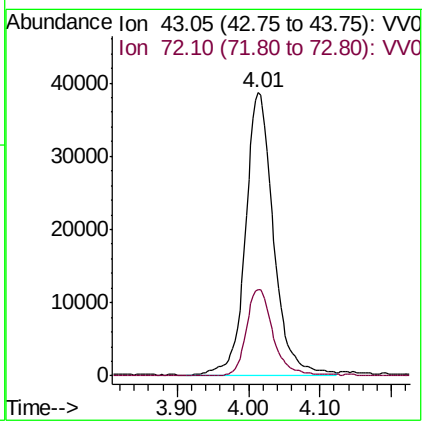


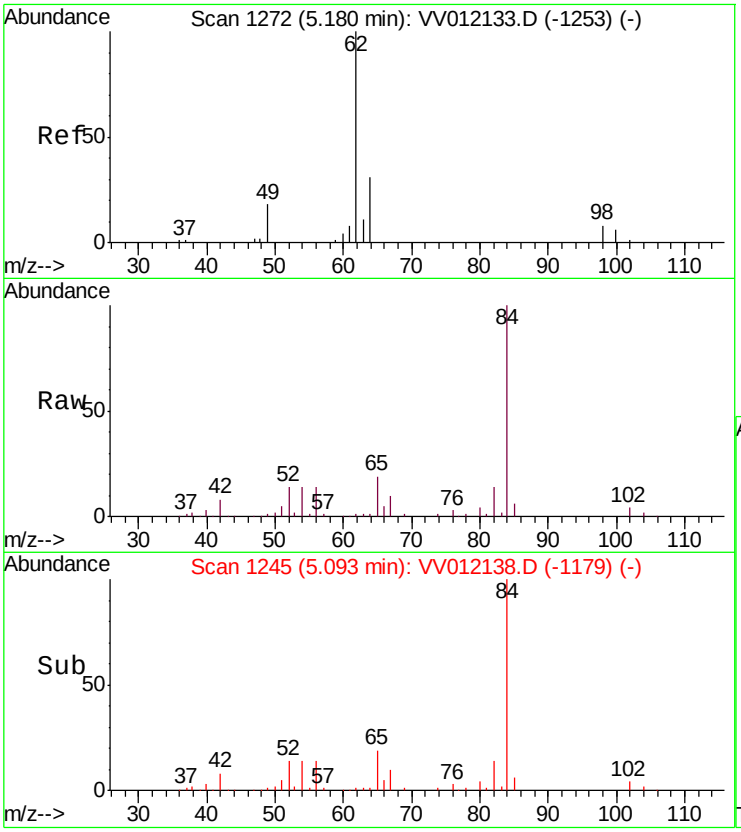




#21
2-Butanone
Concen: 82.730 ug/L
RT: 4.01 min Scan# 909
Delta R.T. -0.01 min
Lab File: VV012138.D
Acq: 08 Aug 2019 22:09

Tgt Ion: 43 Resp: 106154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 28.9 | 14.8 | 44.3 |



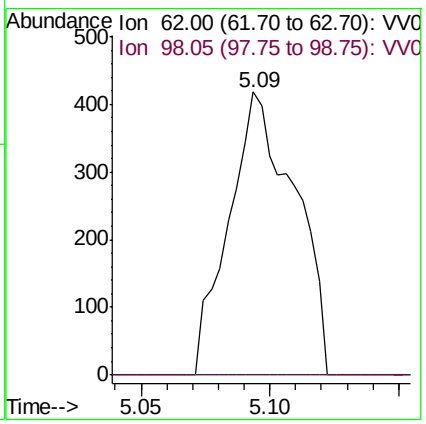


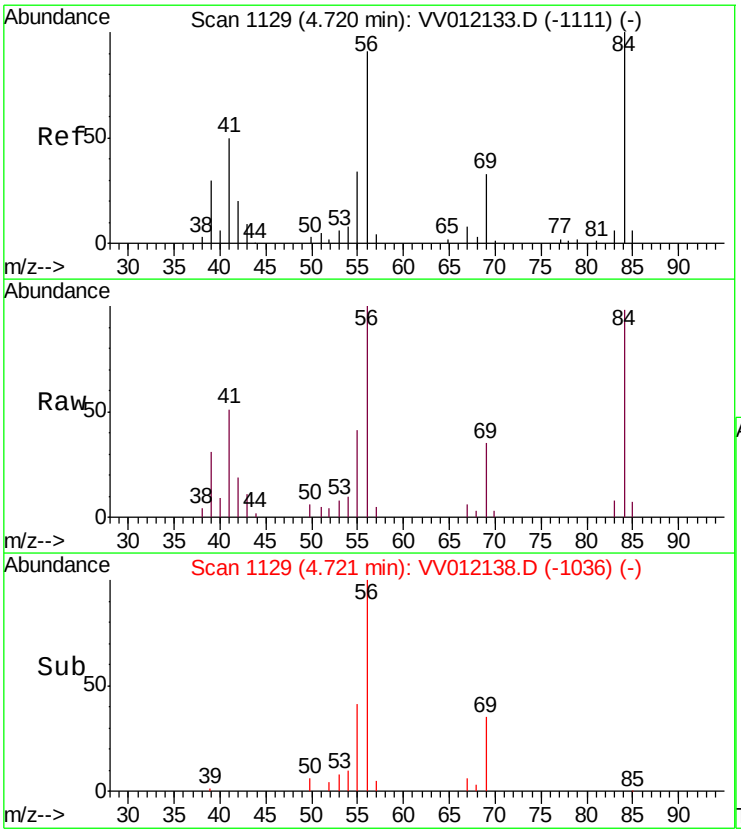

#27
1,2-Dichloroethane
Concen: 0.087 ug/L
RT: 5.09 min Scan# 1245
Delta R.T. -0.09 min
Lab File: VV012138.D
Acq: 08 Aug 2019 22:09

**Instrument :** MSVOA_V
**ClientSampleId :** C0JZ6

Tgt Ion: 62 Resp: 746

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 0.0 | 6.4 | 9.6# |

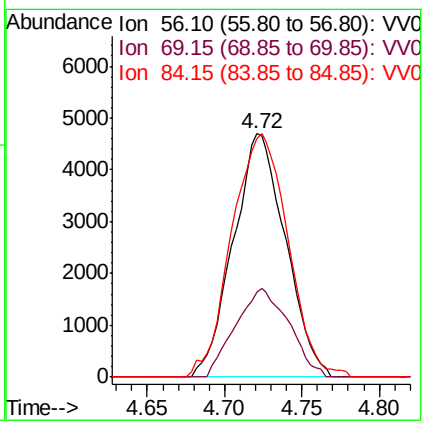


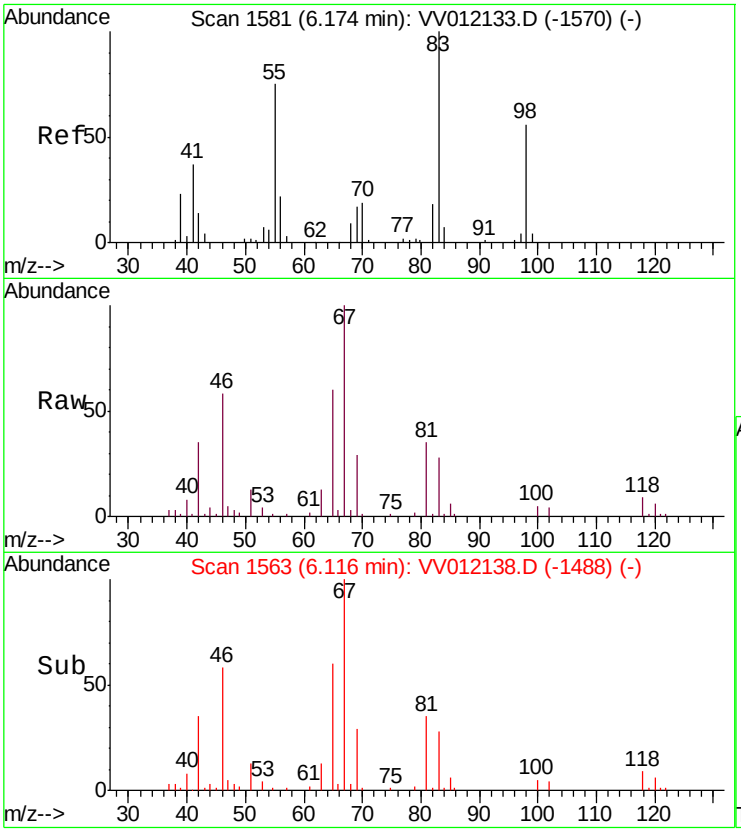




#30
Cyclohexane
Concen: 1.167 ug/L
RT: 4.72 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VV012138.D
Acq: 08 Aug 2019 22:09

Tgt Ion: 56 Resp: 11042

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 37.2 | 28.0 | 42.0 |
| 84 | 107.5 | 85.4 | 128.0 |



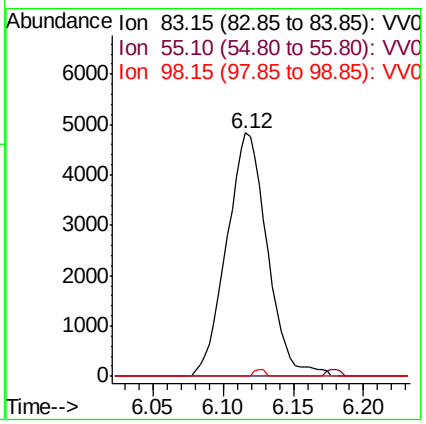


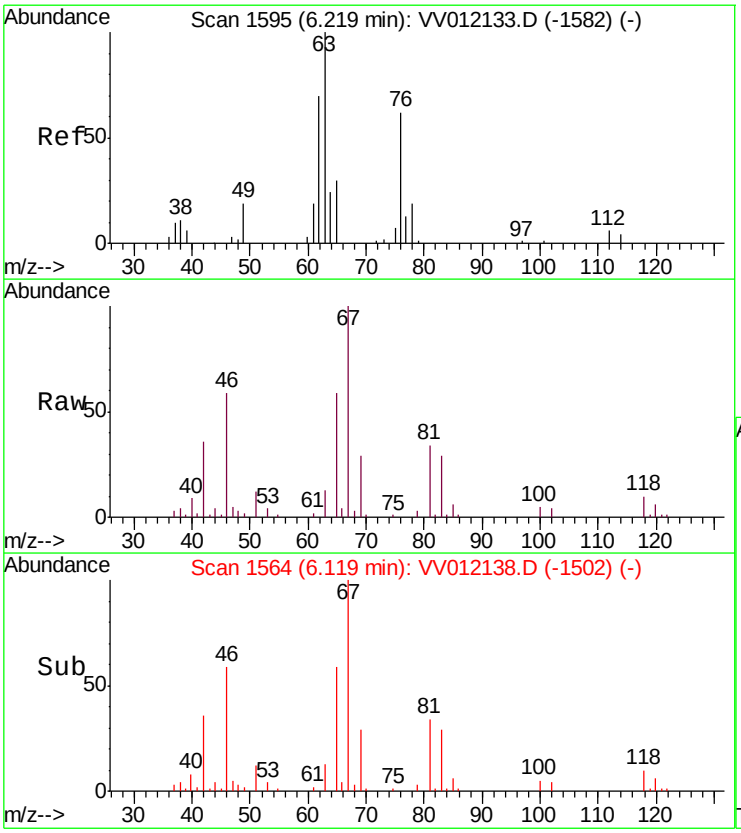

#35
Methylcyclohexane
Concen: 0.807 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.06 min
Lab File: VV012138.D
Acq: 08 Aug 2019 22:09

**Instrument :** MSVOA_V
**ClientSampleId :** C0JZ6

Tgt Ion: 83 Resp: 9747

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 1.0 | 55.0 | 82.6# |
| 98 | 0.8 | 40.4 | 60.6# |

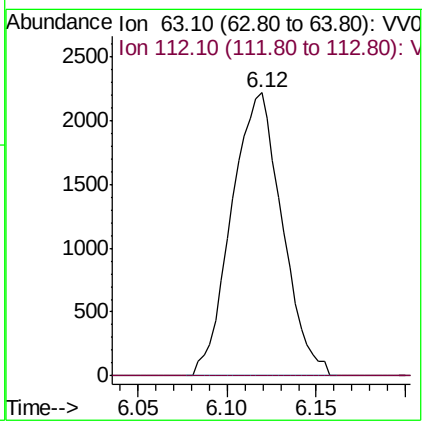


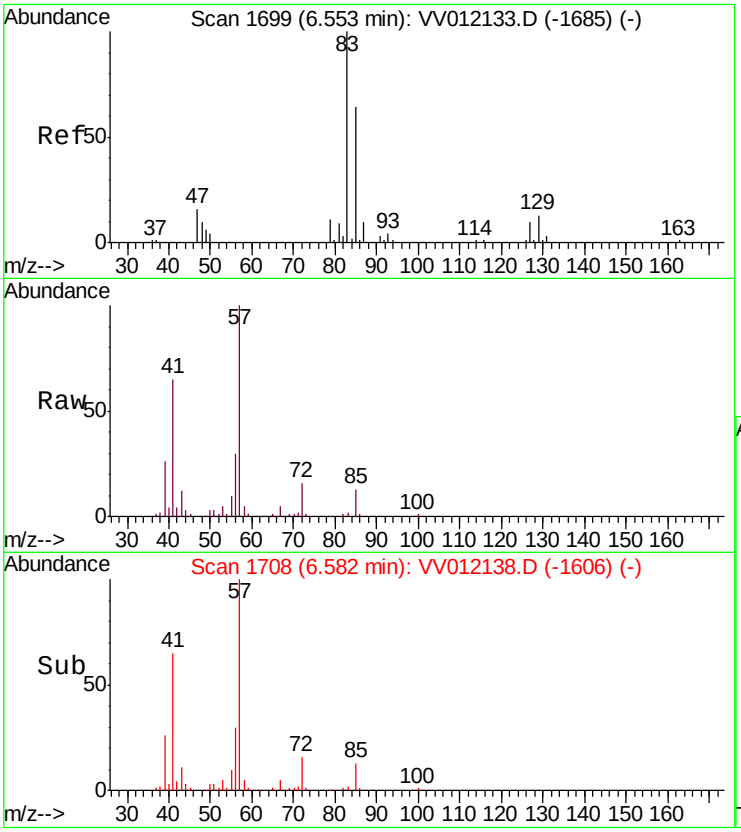




#37
1,2-Dichloropropane
Concen: 0.773 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.10 min
Lab File: VV012138.D
Acq: 08 Aug 2019 22:09

Tgt Ion: 63 Resp: 4391

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 0.0 | 3.9 | 5.9# |



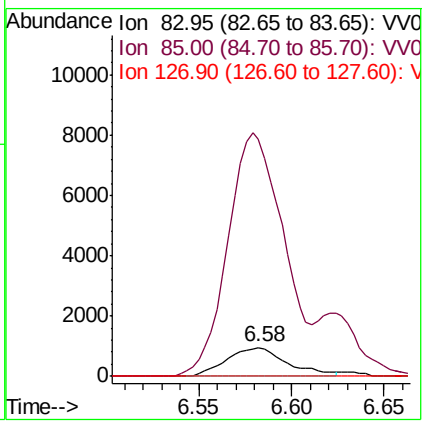


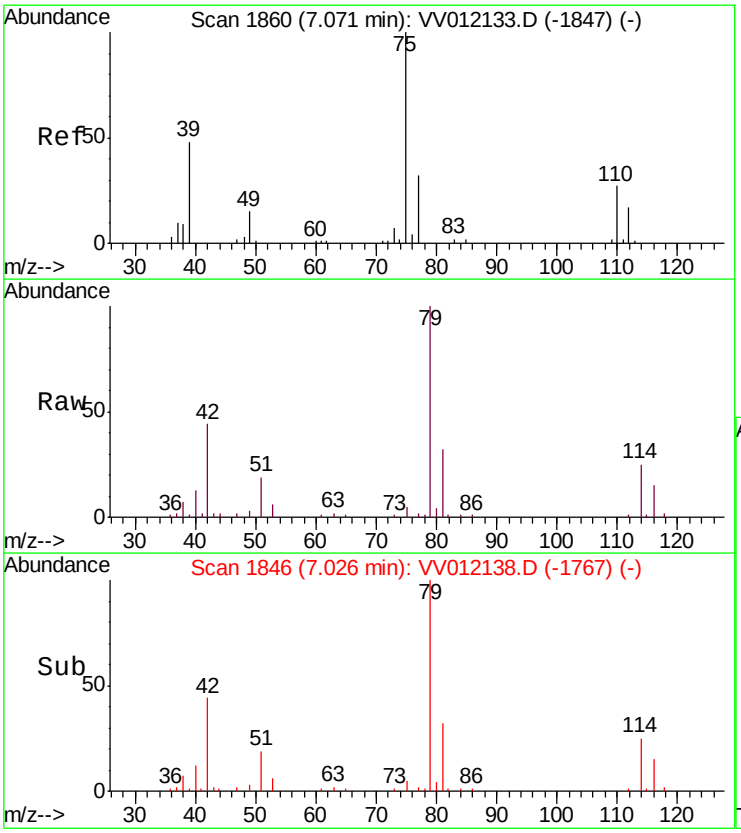

#38
Bromodichloromethane
Concen: 0.222 ug/L
RT: 6.58 min Scan# 1708
Delta R.T. 0.03 min
Lab File: VV012138.D
Acq: 08 Aug 2019 22:09

**Instrument :** MSVOA_V
**ClientSampleId :** C0JZ6

Tgt Ion: 83 Resp: 2161

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 826.0 | 44.9 | 83.5# |
| 127 | 0.0 | 8.2 | 12.2# |

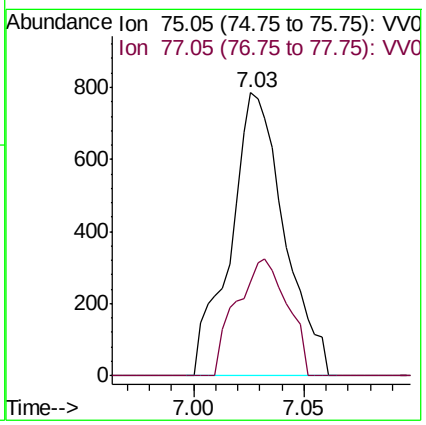


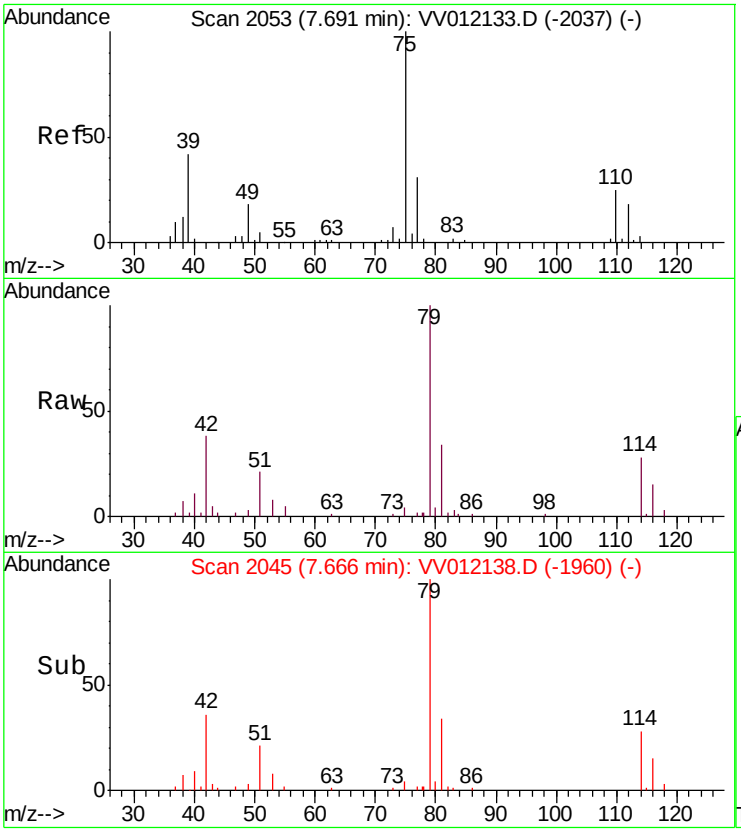




#39
cis-1,3-Dichloropropene
Concen: 0.130 ug/L
RT: 7.03 min Scan# 1846
Delta R.T. -0.04 min
Lab File: VV012138.D
Acq: 08 Aug 2019 22:09

Tgt Ion: 75 Resp: 1335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 33.1 | 22.5 | 41.7 |



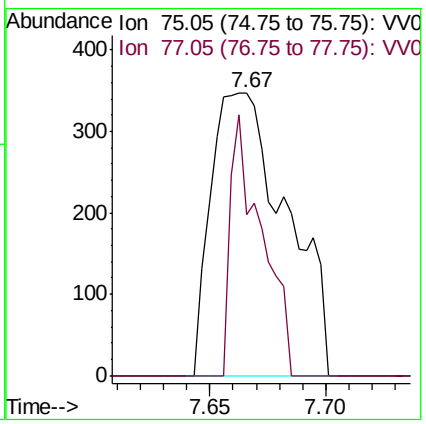


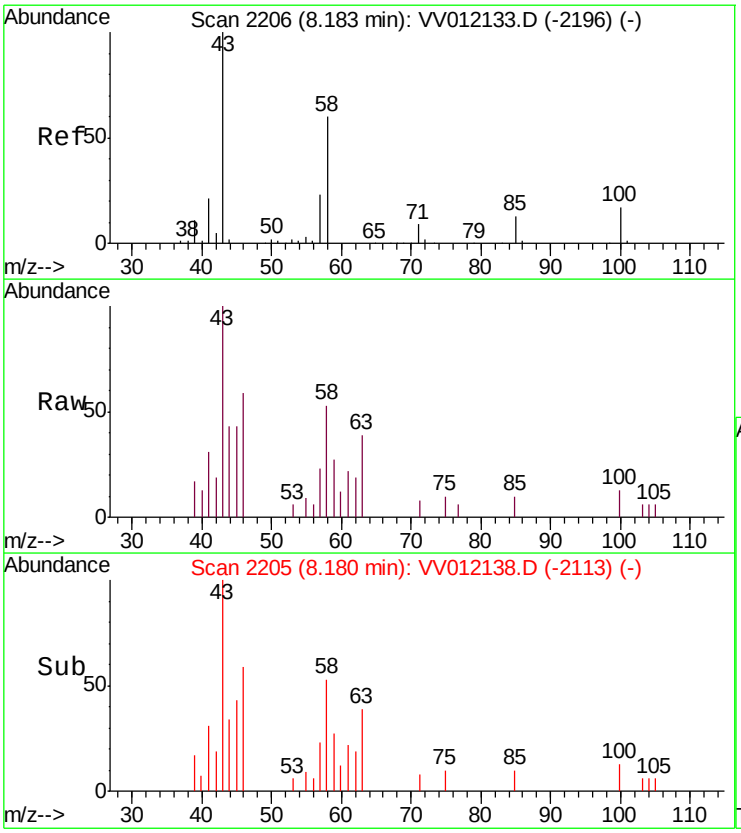

#44
trans-1,3-Dichloropropene
Concen: 0.095 ug/L
RT: 7.67 min Scan# 2045
Delta R.T. -0.03 min
Lab File: VV012138.D
Acq: 08 Aug 2019 22:09

**Instrument :** MSVOA_V
**ClientSampleId :** C0JZ6

Tgt Ion: 75 Resp: 786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 56.6 | 22.0 | 41.0# |

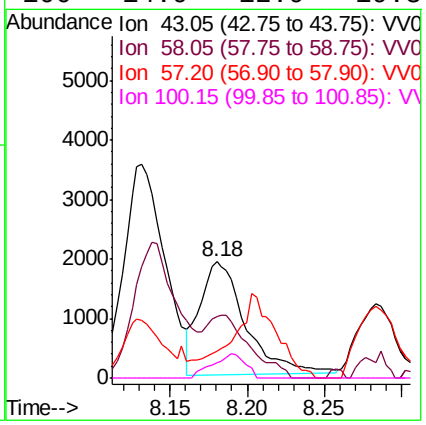


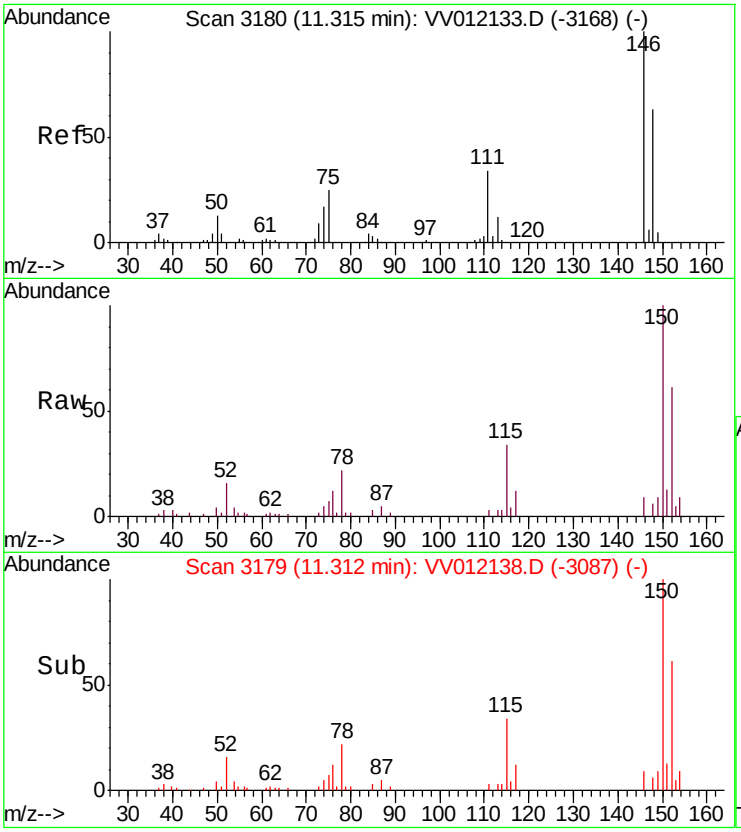




#48
2-Hexanone
Concen: 1.733 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. -0.00 min
Lab File: VV012138.D
Acq: 08 Aug 2019 22:09

Tgt Ion: 43 Resp: 3929

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 50.3 | 46.4 | 69.6 |
| 57 | 70.8 | 17.7 | 26.5# |
| 100 | 14.9 | 12.9 | 19.3 |



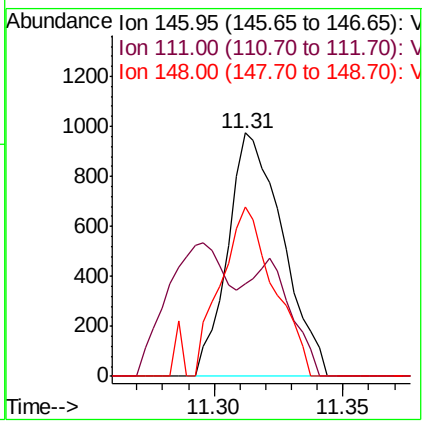


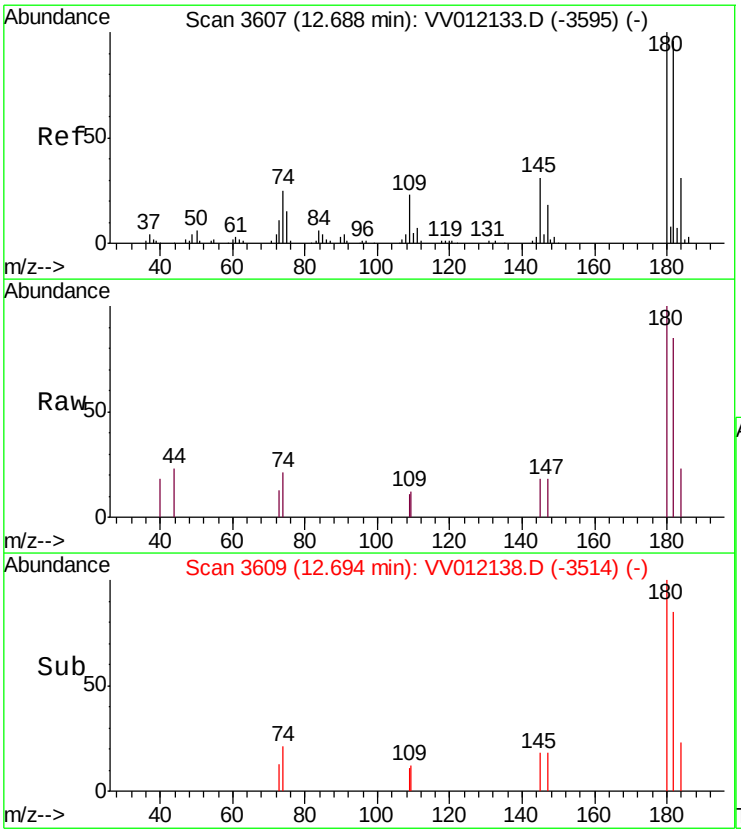

#63
1,4-Dichlorobenzene
Concen: 0.082 ug/L
RT: 11.31 min Scan# 3179
Delta R.T. -0.00 min
Lab File: VV012138.D
Acq: 08 Aug 2019 22:09

**Instrument :**
MSVOA_V
**ClientSampleId :**
C0JZ6

Tgt Ion:146 Resp: 1447

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 37.9 | 23.7 | 43.9 |
| 148 | 69.7 | 43.9 | 81.5 |

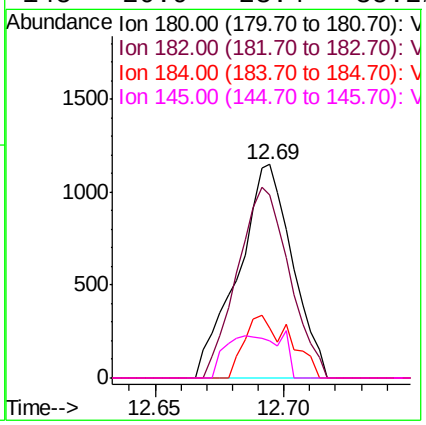


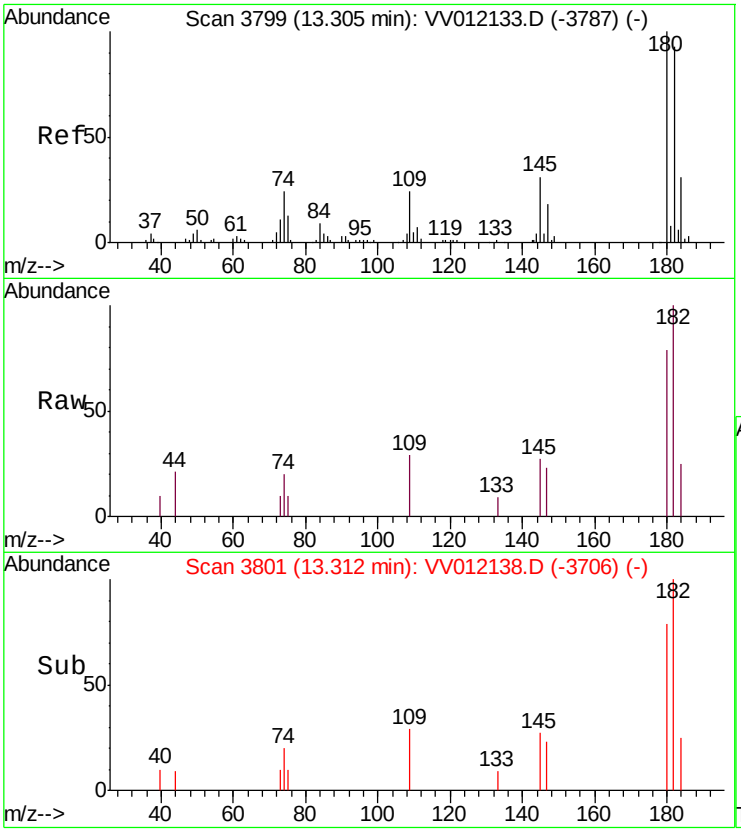




#67
1,3,5-Trichlorobenzene
Concen: 0.111 ug/L
RT: 12.69 min Scan# 3609
Delta R.T. 0.01 min
Lab File: VV012138.D
Acq: 08 Aug 2019 22:09

Tgt Ion:180 Resp: 1686

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 85.5 | 76.8 | 115.2 |
| 184 | 24.4 | 25.0 | 37.4# |
| 145 | 20.9 | 23.4 | 35.2# |



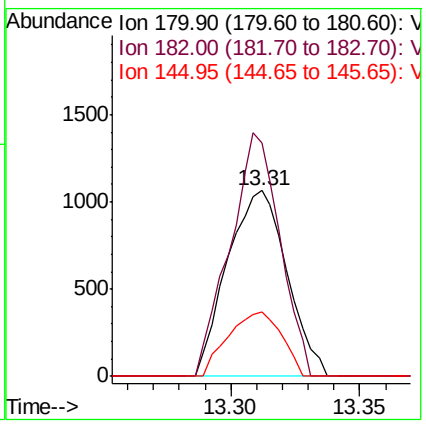


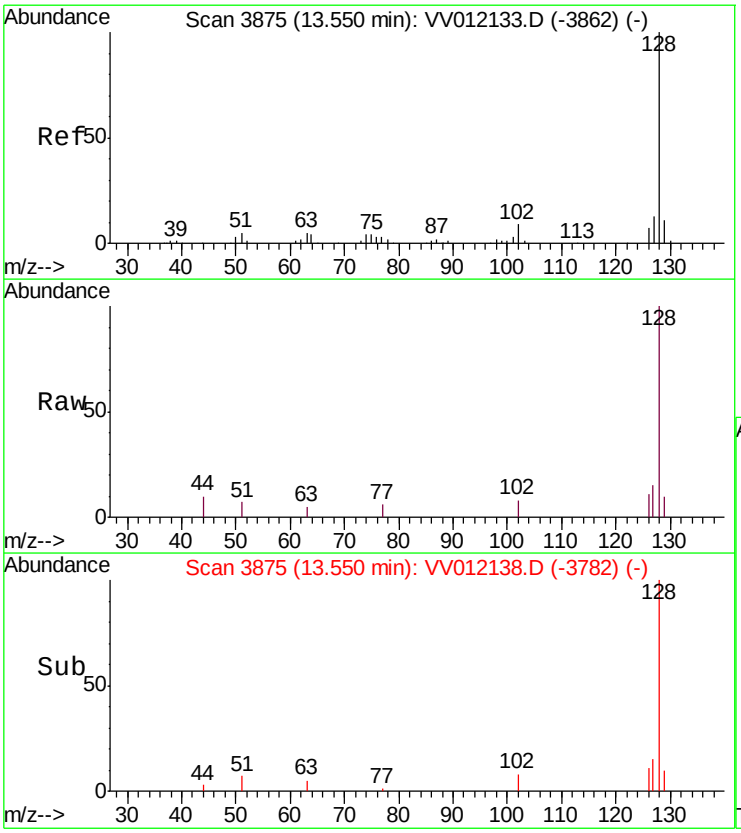

#68
1,2,4-trichlorobenzene
Concen: 0.135 ug/L
RT: 13.31 min Scan# 3801
Delta R.T. 0.01 min
Lab File: VV012138.D
Acq: 08 Aug 2019 22:09

**Instrument :**
MSVOA_V
**ClientSampleId :**
C0JZ6

Tgt Ion:180 Resp: 1706

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 110.0 | 76.6 | 115.0 |
| 145 | 31.1 | 23.4 | 35.2 |

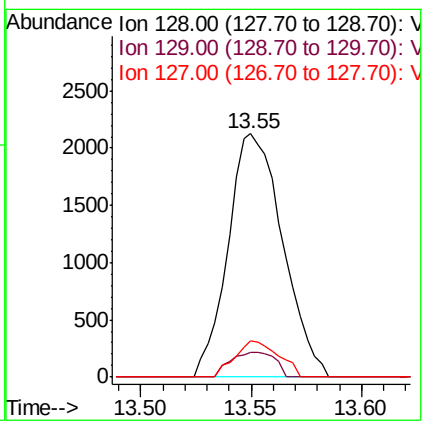


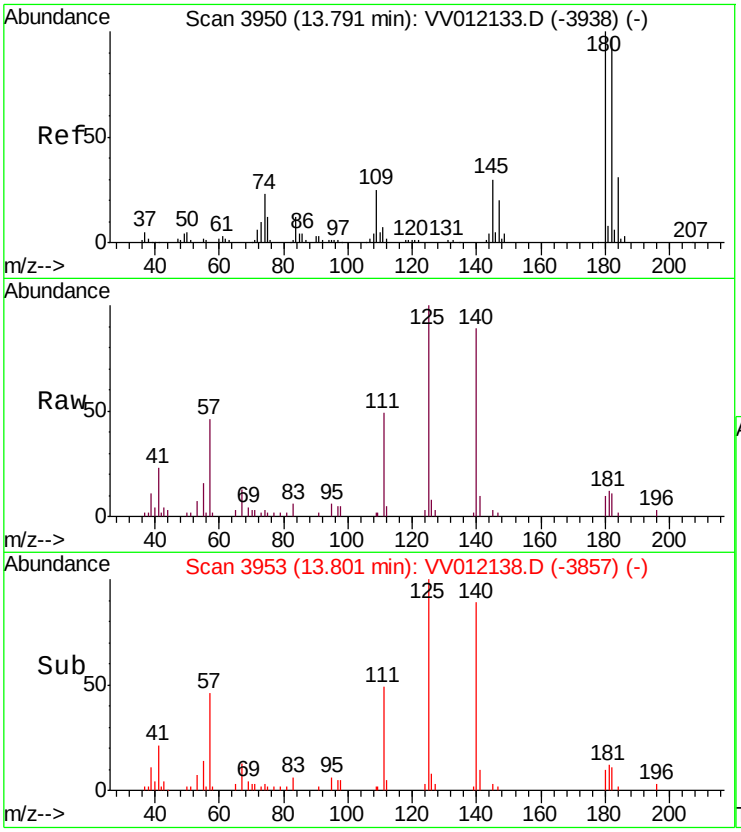




#69
Naphthalene
Concen: 0.179 ug/L
RT: 13.55 min Scan# 3875
Delta R.T. 0.00 min
Lab File: VV012138.D
Acq: 08 Aug 2019 22:09

Tgt Ion:128 Resp: 3653

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 8.3 | 9.0 | 13.4# |
| 127 | 11.8 | 10.6 | 15.8 |






#70
1,2,3-Trichlorobenzene
Concen: 0.114 ug/L
RT: 13.80 min Scan# 3953
Delta R.T. 0.01 min
Lab File: VV012138.D
Acq: 08 Aug 2019 22:09

**Instrument :**
MSVOA_V
**ClientSampleId :**
C0JZ6

Tgt Ion:180 Resp: 1359

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 126.1 | 77.9 | 116.9# |
| 145 | 31.4 | 24.9 | 37.3 |