Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072920\
Data File : VV017723.D
Acq On : 29 Jul 2020 12:16
Operator : SY/MD
Sample : L3470-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Jul 30 04:30:23 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 30 04:28:04 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.64 | 114 | 102305 | 5.00 | ug/L | | 0.00 |
| 28) Chlorobenzene-d5 | 8.87 | 117 | 101298 | 5.00 | ug/L | | 0.00 |
| 61) 1,4-Dichlorobenzene-d4 | 11.27 | 152 | 55675 | 5.00 | ug/L | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 4) Vinyl Chloride-d3 | 1.31 | 65 | 23027 | 4.71 | ug/L | | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 94.20% | | | | |
| 7) Chloroethane-d5 | 1.58 | 69 | 18435 | 4.93 | ug/L | | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 98.60% | | | | |
| 11) 1,1-Dichloroethene-d2 | 2.12 | 63 | 44372 | 4.05 | ug/L | | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 81.00% | | | | |
| 20) 2-Butanone-d5 | 3.95 | 46 | 15528 | 13.29 | ug/L | | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 26.58%# | | | | |
| 24) Chloroform-d | 4.37 | 84 | 64717 | 5.47 | ug/L | | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 109.40% | | | | |
| 26) 1,2-Dichloroethane-d4 | 5.06 | 65 | 37071 | 6.08 | ug/L | | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 121.60% | | | | |
| 32) Benzene-d6 | 5.07 | 84 | 109156 | 4.89 | ug/L | | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 97.80% | | | | |
| 36) 1,2-Dichloropropane-d6 | 6.10 | 67 | 29708 | 4.79 | ug/L | | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 95.80% | | | | |
| 41) Toluene-d8 | 7.34 | 98 | 100771 | 4.71 | ug/L | | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 94.20% | | | | |
| 45) trans-1,3-Dichloropropene- | 7.65 | 79 | 14634 | 5.20 | ug/L | | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 104.00% | | | | |
| 48) 2-Hexanone-d5 | 8.12 | 63 | 46146 | 52.93 | ug/L | | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 105.86% | | | | |
| 59) 1,1,2,2-Tetrachloroethane- | 10.24 | 84 | 25433 | 5.89 | ug/L | | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 117.80% | | | | |
| 65) 1,2-Dichlorobenzene-d4 | 11.65 | 152 | 48894 | 5.81 | ug/L | | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 116.20% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 5) Vinyl chloride | 1.32 | 62 | 68071 | 9.313 | ug/L | | 98 |
| 8) Chloroethane | 1.53 | 64 | 33532 | 7.947 | ug/L | # | 49 |
| 12) 1,1-Dichloroethene | 2.13 | 96 | 7007 | 1.272 | ug/L | # | 8 |
| 13) Acetone | 2.25 | 43 | 3820 | 4.176 | ug/L | | 95 |
| 14) Carbon disulfide | 2.30 | 76 | 9903 | 0.591 | ug/L | # | 93 |
| 15) Methyl Acetate | 2.47 | 43 | 66228 | 37.203 | ug/L | | 92 |
| 16) Methylene chloride | 2.52 | 84 | 1525 | 0.249 | ug/L | | 83 |
| 18) trans-1,2-Dichloroethene | 2.77 | 96 | 12527 | 2.087 | ug/L | | 92 |
| 19) 1,1-Dichloroethane | 3.20 | 63 | 14830 | 1.175 | ug/L | | 98 |
| 21) 2-Butanone | 4.06 | 43 | 7817 | 5.060 | ug/L | # | 1 |
| 22) cis-1,2-Dichloroethene | 3.93 | 96 | 4662942 | 616.839 | ug/L | # | 98 |
| 27) 1,2-Dichloroethane | 5.16 | 62 | 4172 | 0.454 | ug/L | # | 95 |
| 33) Benzene | 5.13 | 78 | 2835 | 0.099 | ug/L | | 100 |
| 34) Trichloroethene | 5.94 | 95 | 10486 | 1.309 | ug/L | | 94 |
| 35) Methylcyclohexane | 6.10 | 83 | 8669 | 0.716 | ug/L | # | 20 |
| 39) cis-1,3-Dichloropropene | 7.01 | 75 | 1167 | 0.115 | ug/L | # | 68 |
| 42) Toluene | 7.41 | 91 | 5515 | 0.176 | ug/L | | 100 |

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072920\
Data File : VV017723.D
Acq On : 29 Jul 2020 12:16
Operator : SY/MD
Sample : L3470-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Jul 30 04:30:23 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 30 04:28:04 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 47) 1,1,2-Trichloroethane | 7.87 | 97 | 912 | 0.178 | ug/L | | 92 |
| 50) 2-Hexanone | 8.17 | 43 | 6200 | 2.372 | ug/L | # | 92 |
| 55) m,p-xylene | 9.16 | 106 | 2014 | 0.153 | ug/L | | 88 |

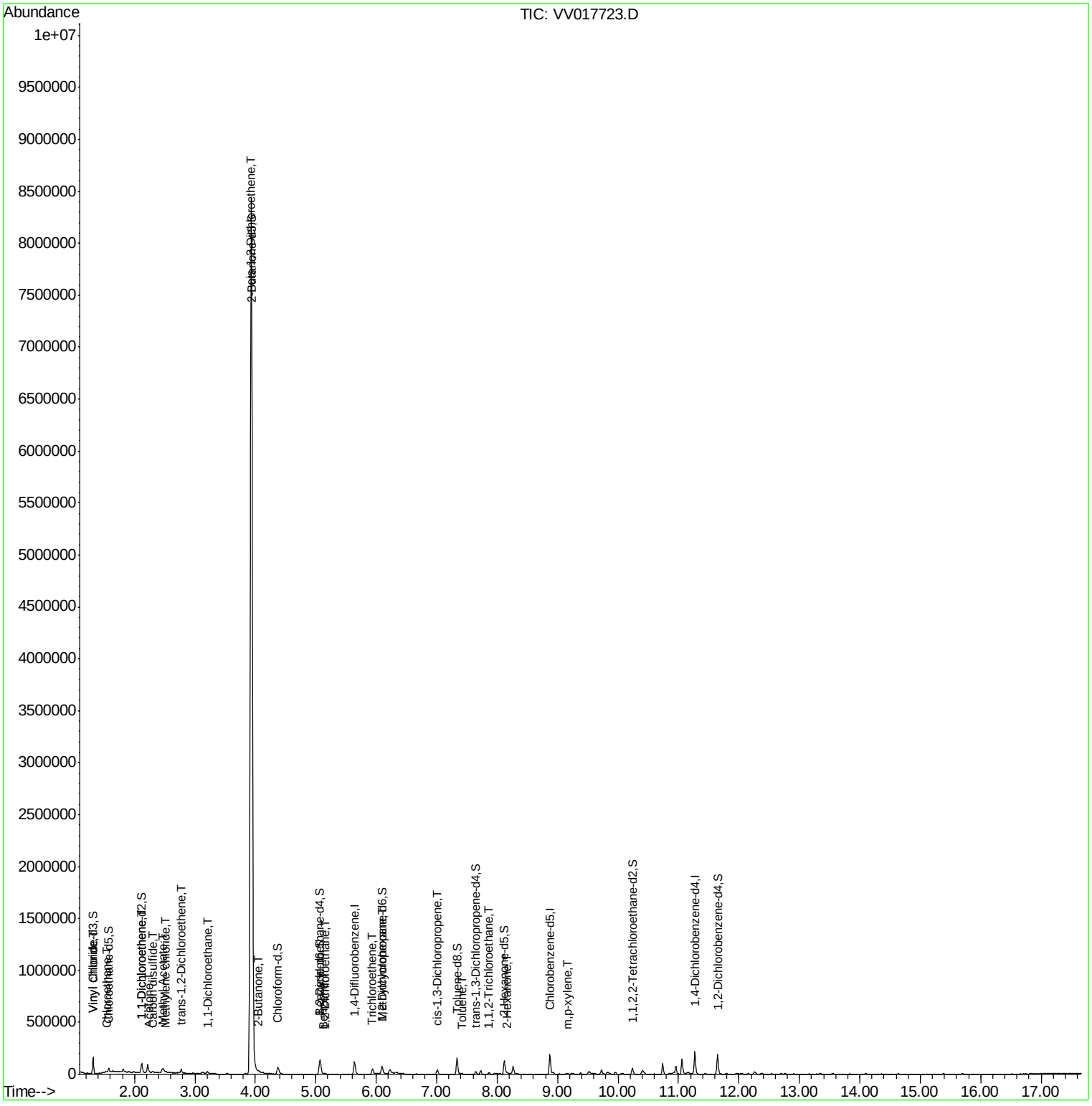
(#) = qualifier out of range (m) = manual integration (+) = signals summed

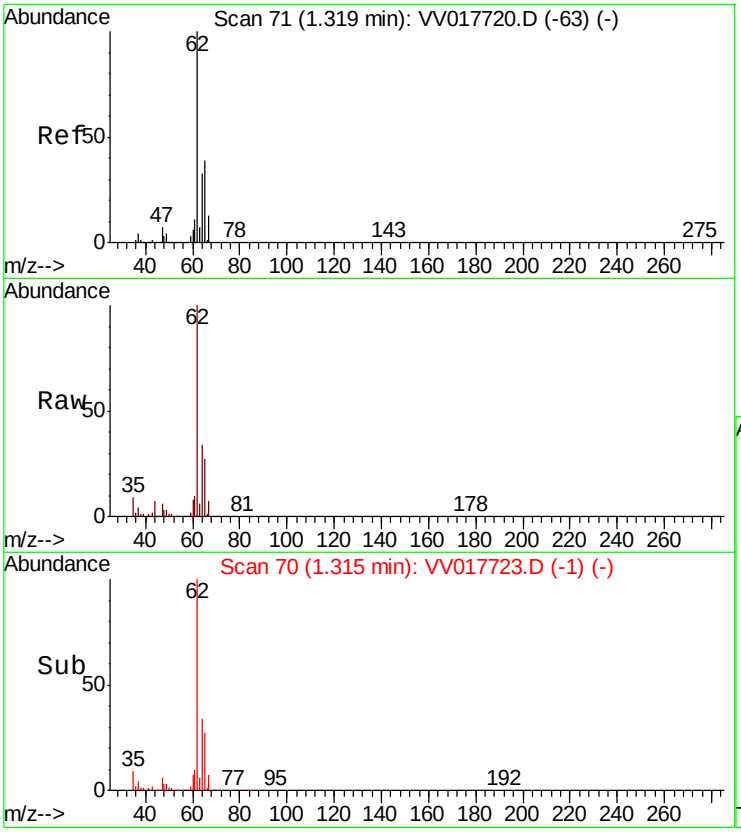
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072920\
Data File : VV017723.D
Acq On : 29 Jul 2020 12:16
Operator : SY/MD
Sample : L3470-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Jul 30 04:30:23 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 30 04:28:04 2020
Response via : Initial Calibration



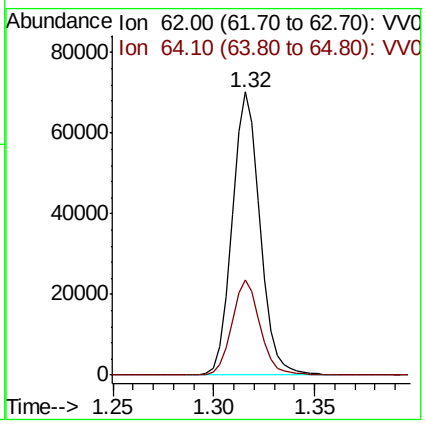


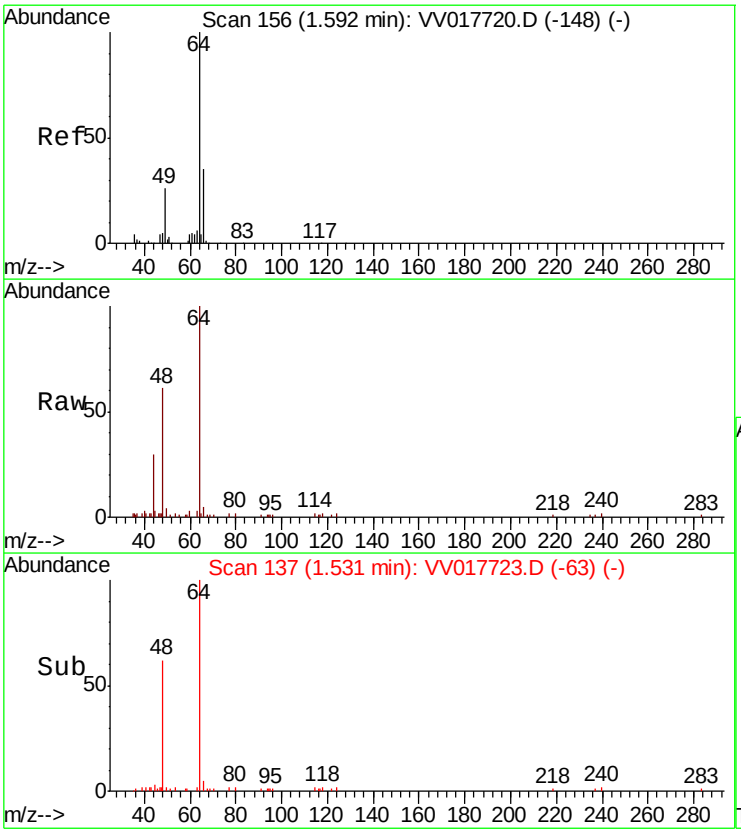

#5
Vinyl chloride
Concen: 9.313 ug/L
RT: 1.32 min Scan# 70
Delta R.T. -0.00 min
Lab File: VV017723.D
Acq: 29 Jul 2020 12:16

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

Tgt Ion: 62 Resp: 68071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 33.7 | 23.0 | 42.8 |

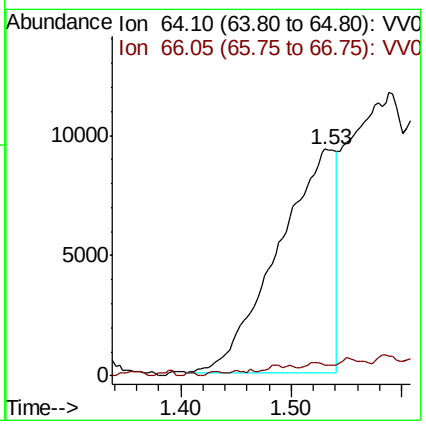


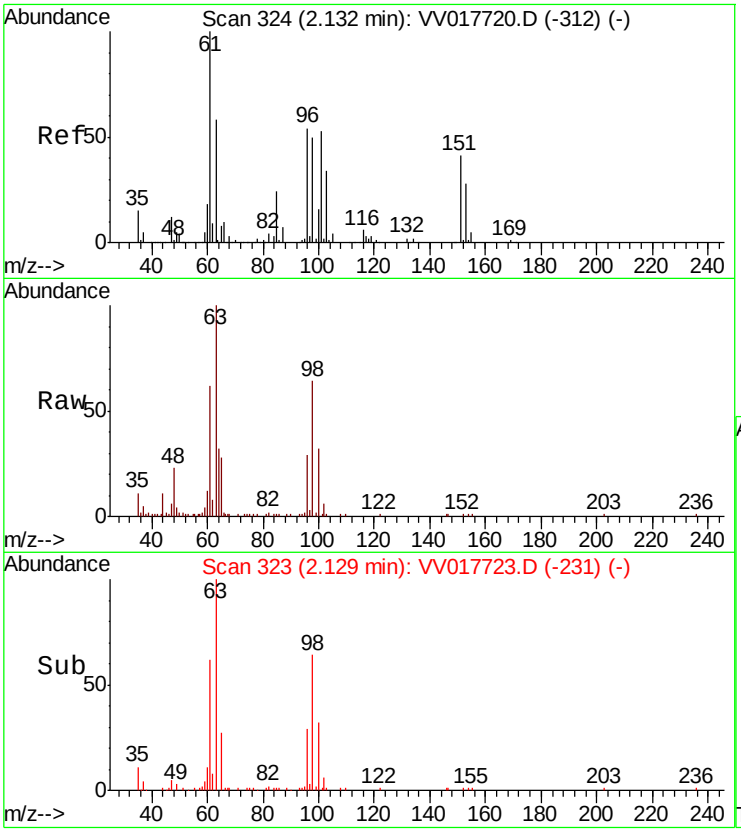




#8
Chloroethane
Concen: 7.947 ug/L
RT: 1.53 min Scan# 137
Delta R.T. -0.06 min
Lab File: VV017723.D
Acq: 29 Jul 2020 12:16

Tgt Ion: 64 Resp: 33532

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 4.8 | 24.0 | 44.6# |



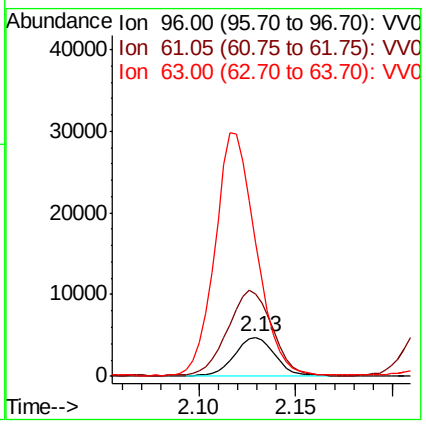


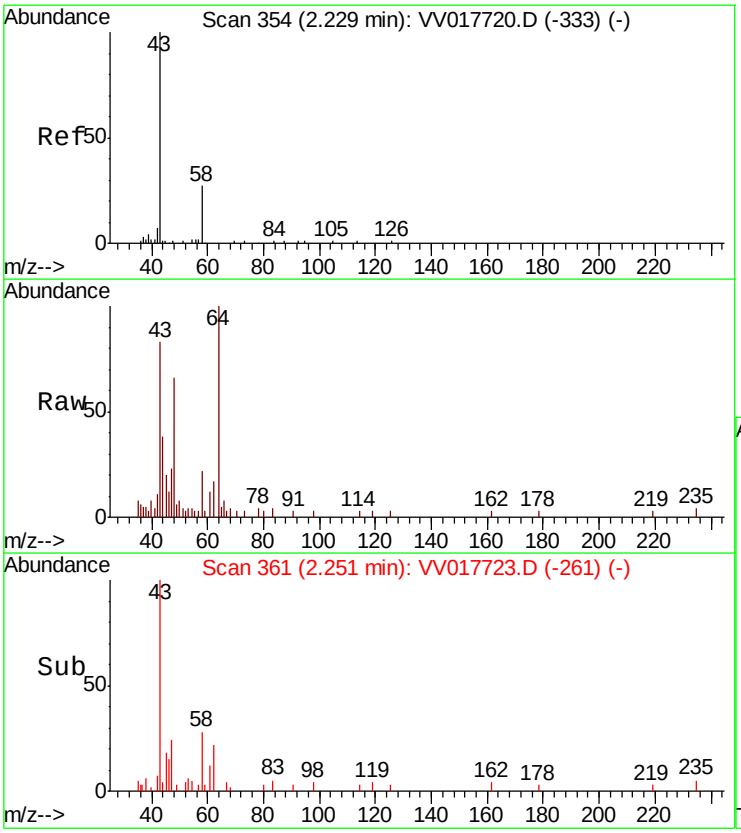

#12
1,1-Dichloroethene
Concen: 1.272 ug/L
RT: 2.13 min Scan# 323
Delta R.T. -0.00 min
Lab File: VV017723.D
Acq: 29 Jul 2020 12:16

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

Tgt Ion: 96 Resp: 7007

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 211.5 | 123.1 | 228.7 |
| 63 | 342.8 | 91.2 | 169.4# |

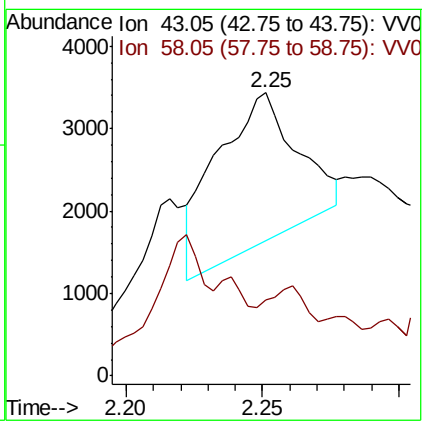


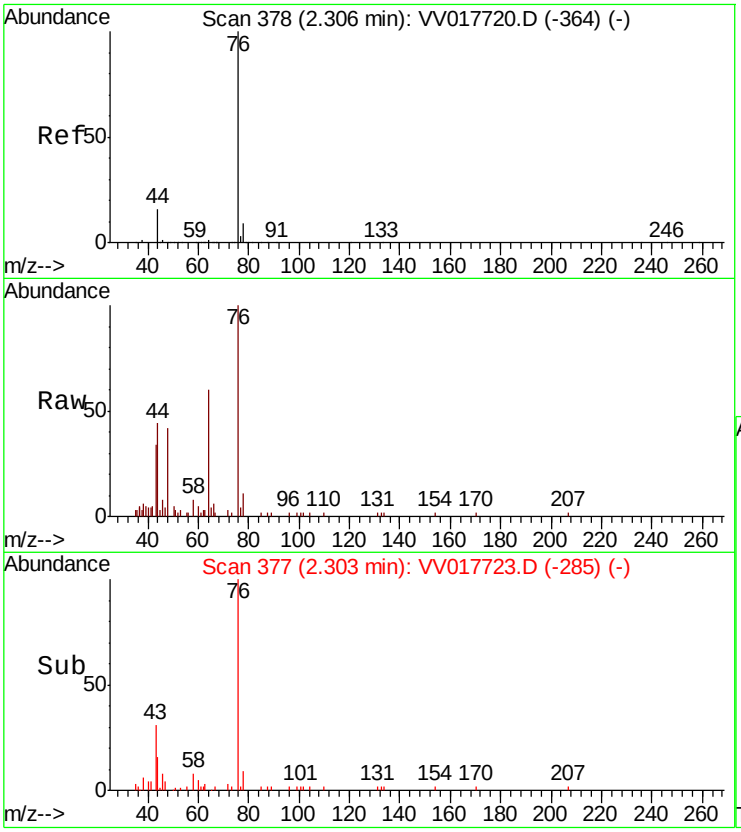




#13
Acetone
Concen: 4.176 ug/L
RT: 2.25 min Scan# 361
Delta R.T. 0.02 min
Lab File: VV017723.D
Acq: 29 Jul 2020 12:16

Tgt Ion: 43 Resp: 3820

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 11.0 | 0.0 | 18.6 |



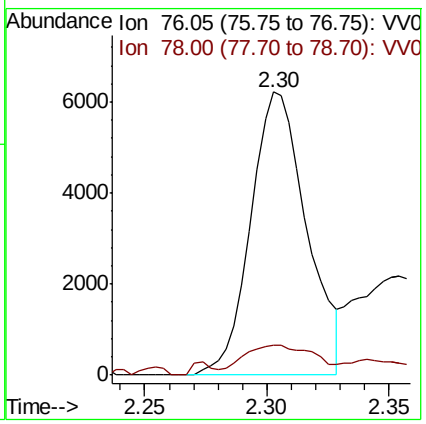


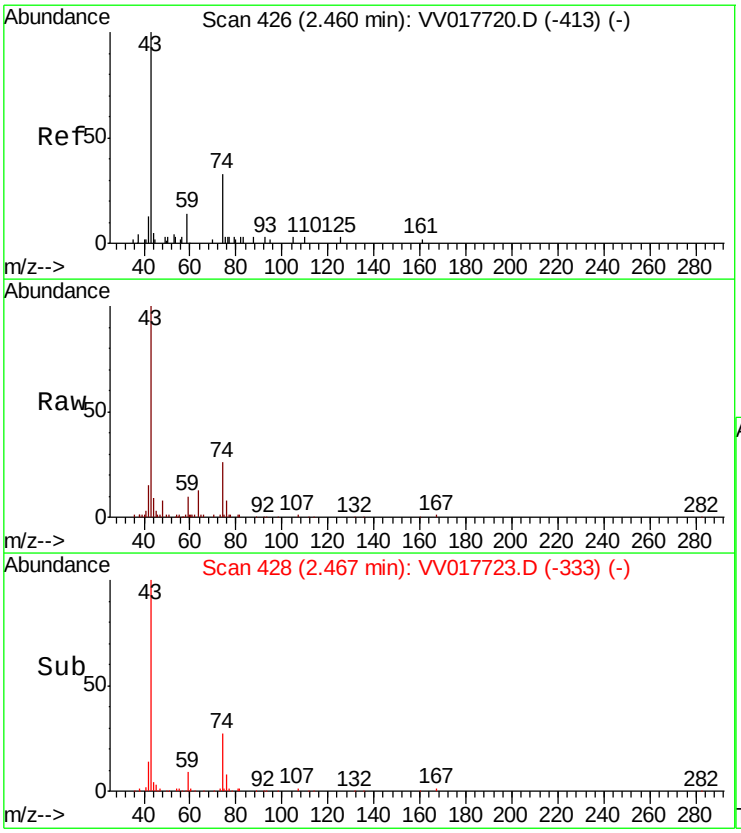

#14
Carbon disulfide
Concen: 0.591 ug/L
RT: 2.30 min Scan# 377
Delta R.T. -0.00 min
Lab File: VV017723.D
Acq: 29 Jul 2020 12:16

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

Tgt Ion: 76 Resp: 9903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 10.8 | 6.6 | 10.0# |

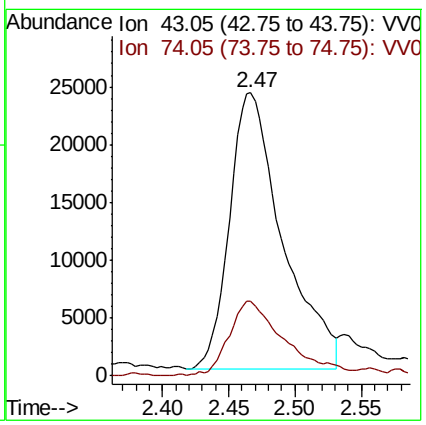


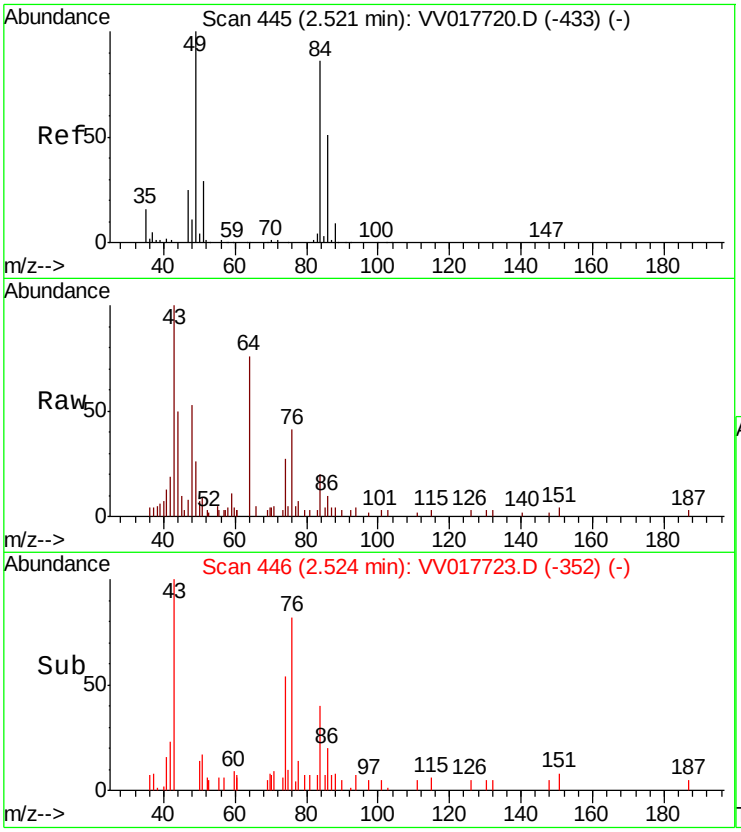




#15
Methyl Acetate
Concen: 37.203 ug/L
RT: 2.47 min Scan# 428
Delta R.T. 0.01 min
Lab File: VV017723.D
Acq: 29 Jul 2020 12:16

Tgt Ion: 43 Resp: 66228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 28.7 | 26.6 | 40.0 |



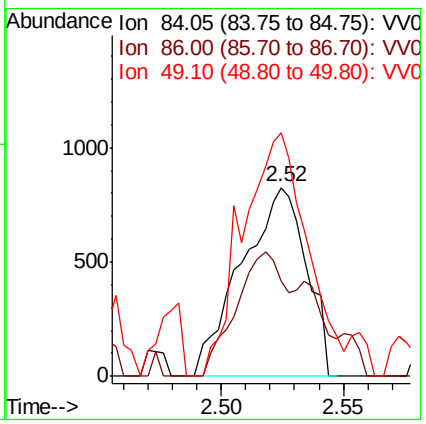


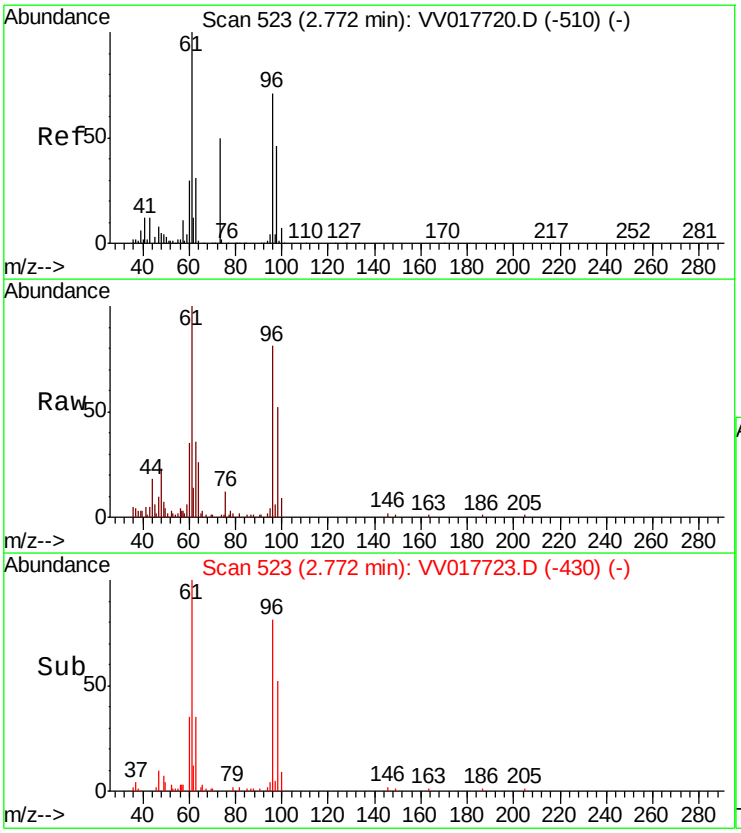

#16
Methylene chloride
Concen: 0.249 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV017723.D
Acq: 29 Jul 2020 12:16

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

Tgt Ion: 84 Resp: 1525

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 50.2 | 46.5 | 86.3 |
| 49 | 128.9 | 79.2 | 147.2 |

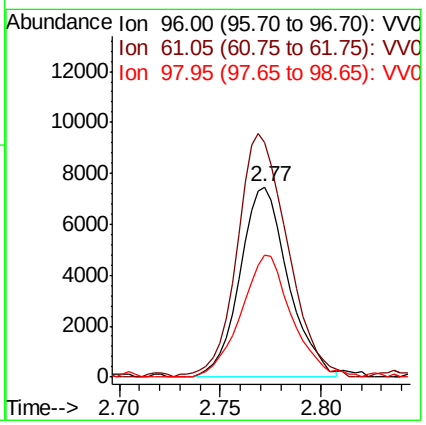


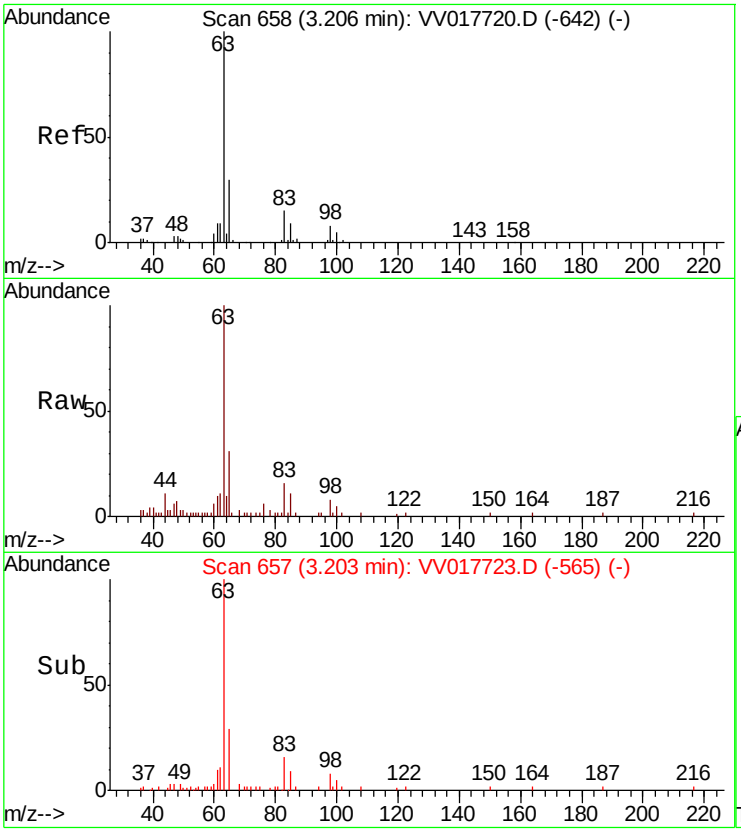




#18
trans-1,2-Dichloroethene
Concen: 2.087 ug/L
RT: 2.77 min Scan# 523
Delta R.T. 0.00 min
Lab File: VV017723.D
Acq: 29 Jul 2020 12:16

Tgt Ion: 96 Resp: 12527

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 123.7 | 96.0 | 178.4 |
| 98 | 64.0 | 43.5 | 80.9 |



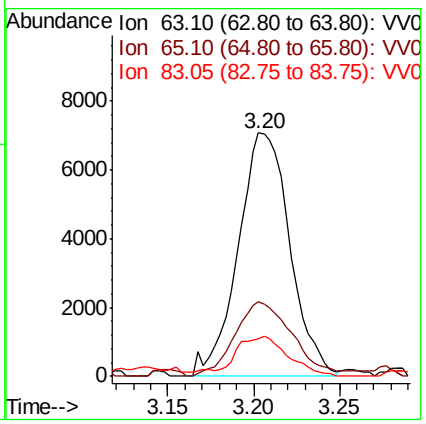


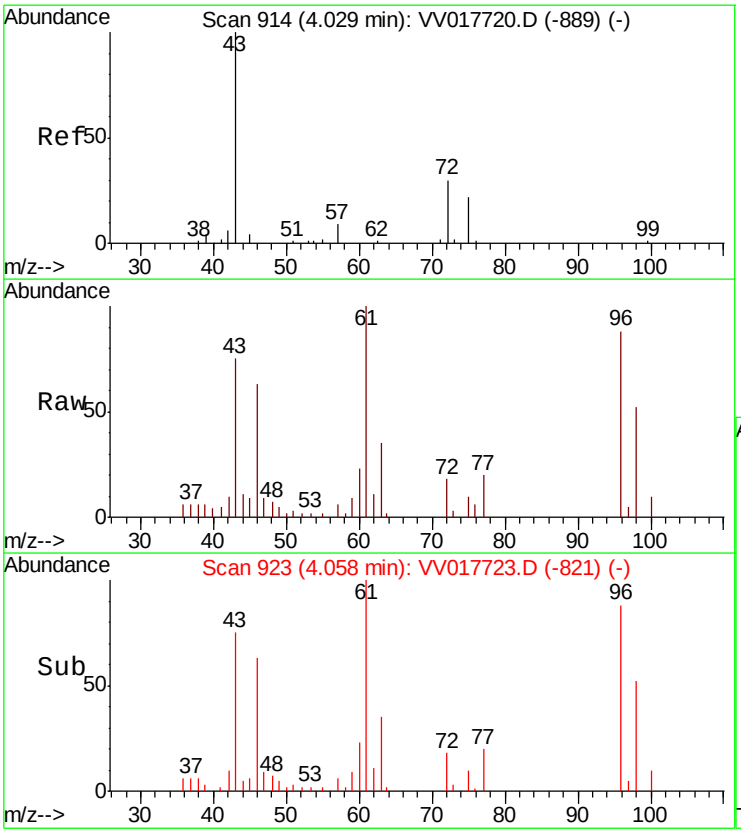

#19
1,1-Dichloroethane
Concen: 1.175 ug/L
RT: 3.20 min Scan# 657
Delta R.T. -0.00 min
Lab File: VV017723.D
Acq: 29 Jul 2020 12:16

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

Tgt Ion: 63 Resp: 14830

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 32.0 | 21.4 | 39.8 |
| 83 | 15.6 | 10.4 | 19.4 |

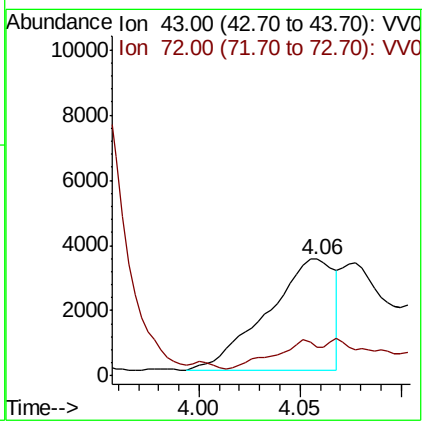


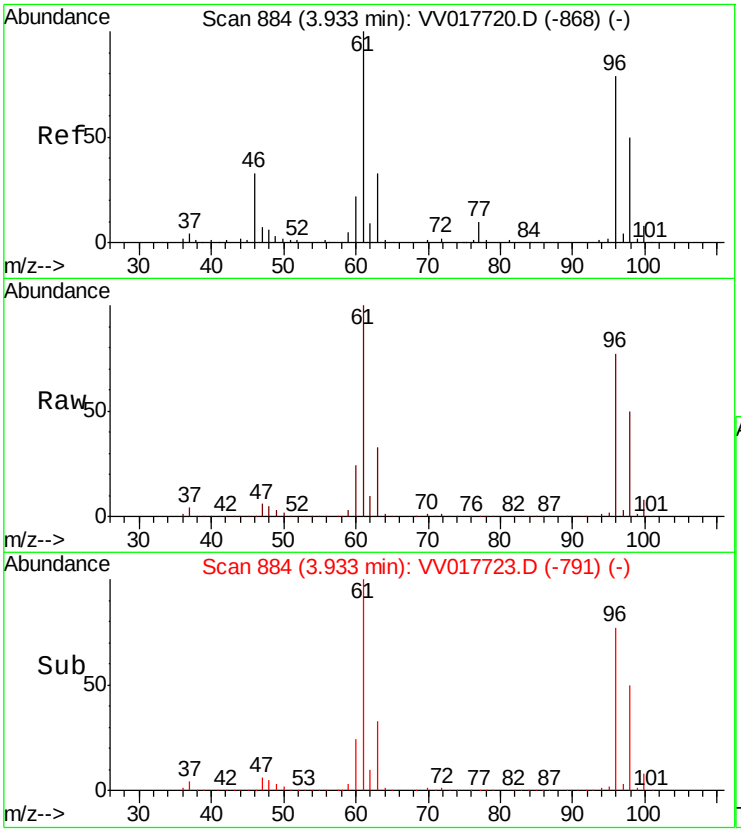




#21
2-Butanone
Concen: 5.060 ug/L
RT: 4.06 min Scan# 923
Delta R.T. 0.03 min
Lab File: VV017723.D
Acq: 29 Jul 2020 12:16

Tgt Ion: 43 Resp: 7817

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 715.8 | 13.0 | 38.9# |



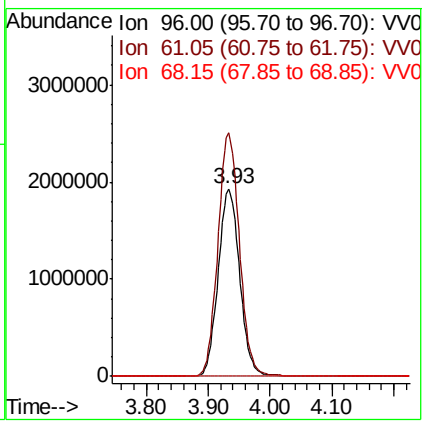


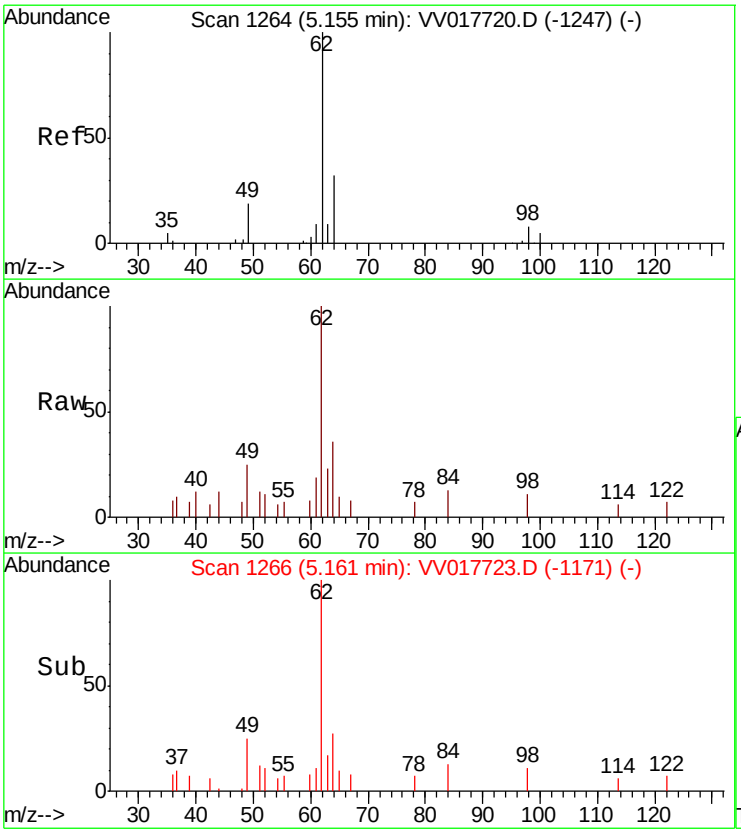

#22
cis-1,2-Dichloroethene
Concen: 616.839 ug/L
RT: 3.93 min Scan# 884
Delta R.T. 0.00 min
Lab File: VV017723.D
Acq: 29 Jul 2020 12:16

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

Tgt Ion: 96 Resp: 4662942

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 129.9 | 89.6 | 166.4 |
| 68 | 0.0 | 0.0 | 0.0# |

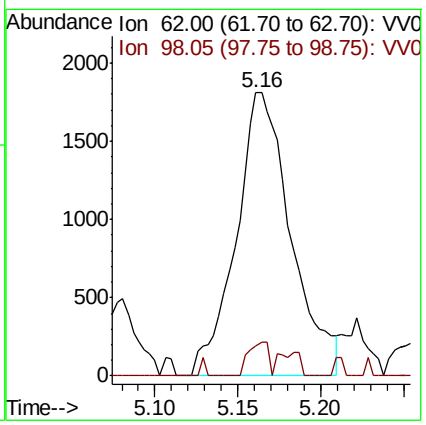


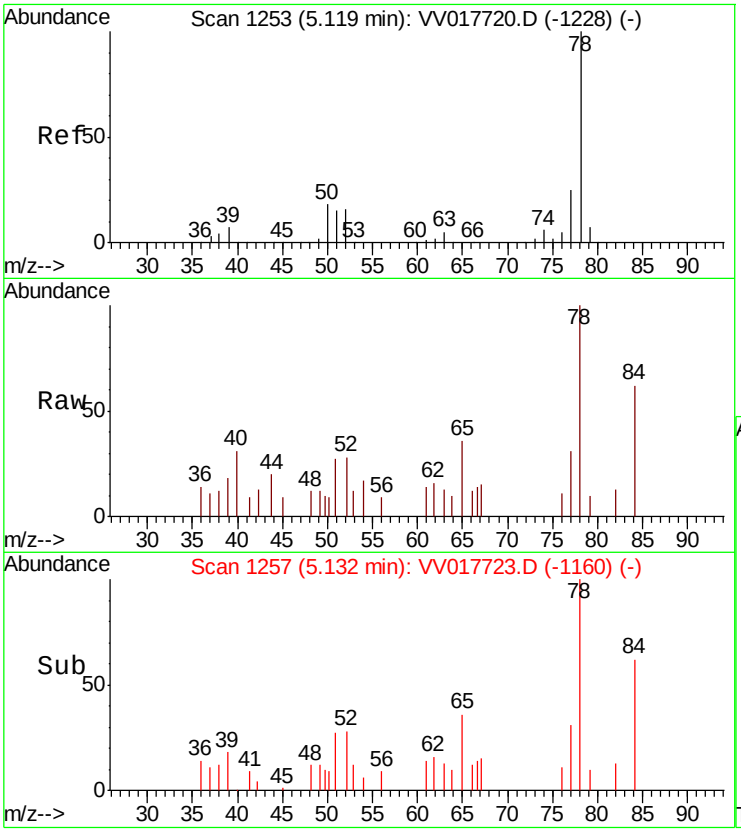




#27
1,2-Dichloroethane
Concen: 0.454 ug/L
RT: 5.16 min Scan# 1266
Delta R.T. 0.01 min
Lab File: VV017723.D
Acq: 29 Jul 2020 12:16

Tgt Ion: 62 Resp: 4172

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 10.6 | 7.0 | 10.6# |

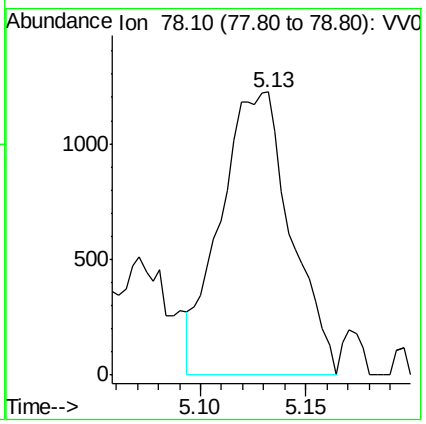


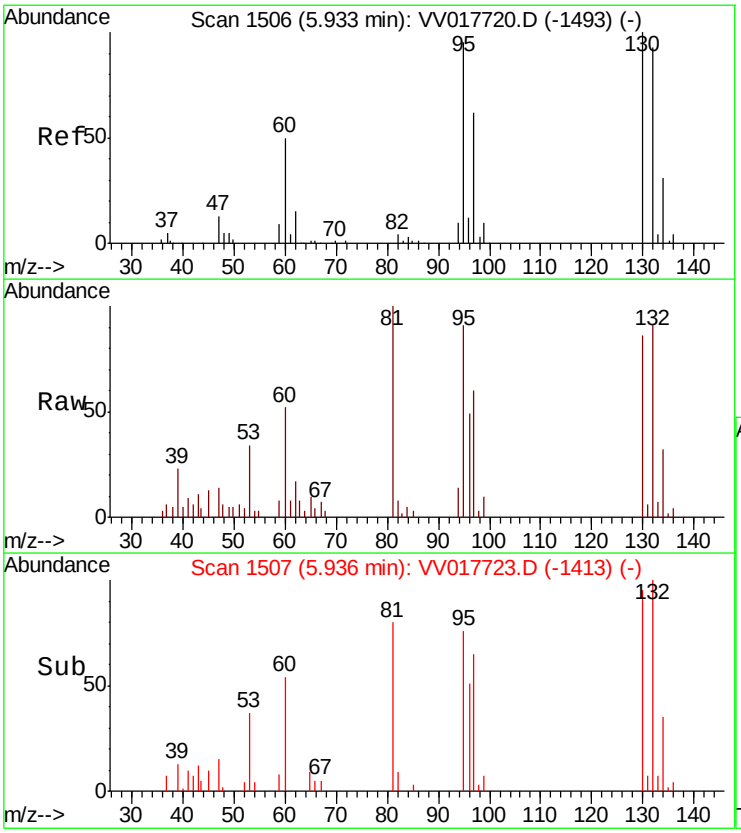



#33
Benzene
Concen: 0.099 ug/L
RT: 5.13 min Scan# 1257
Delta R.T. 0.01 min
Lab File: VV017723.D
Acq: 29 Jul 2020 12:16

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

Tgt Ion: 78 Resp: 2835

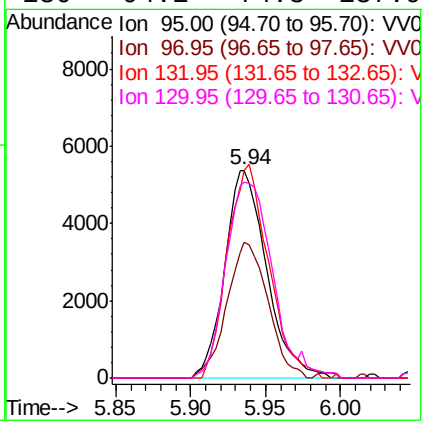


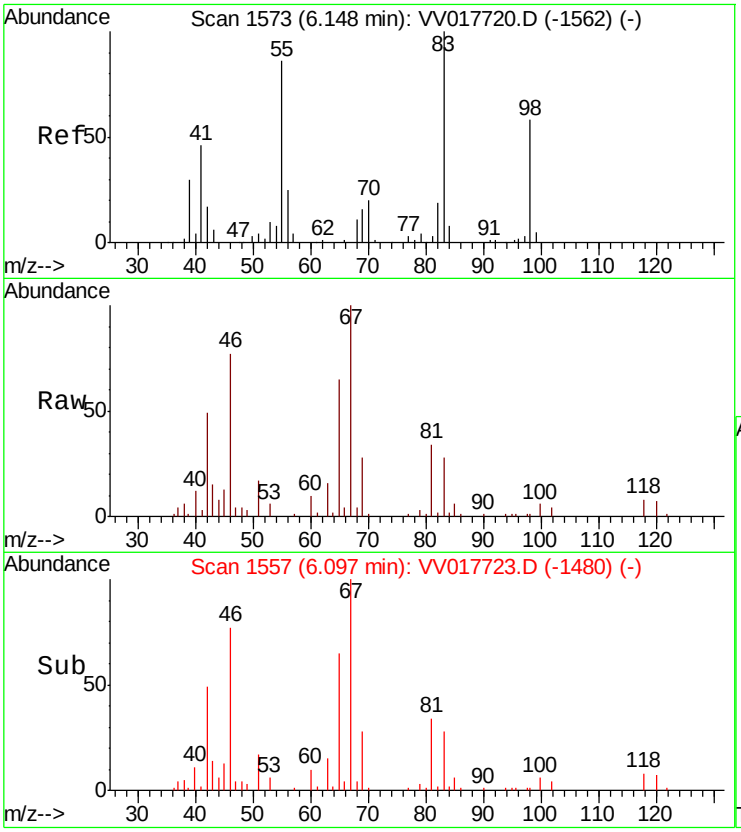




#34
Trichloroethene
Concen: 1.309 ug/L
RT: 5.94 min Scan# 1507
Delta R.T. 0.00 min
Lab File: VV017723.D
Acq: 29 Jul 2020 12:16

Tgt Ion: 95 Resp: 10486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 65.2 | 46.1 | 85.5 |
| 132 | 99.6 | 71.7 | 133.1 |
| 130 | 94.1 | 74.3 | 137.9 |



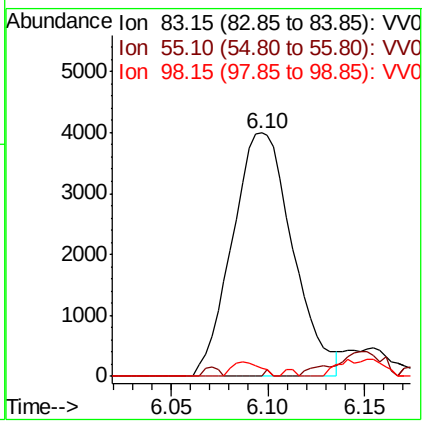


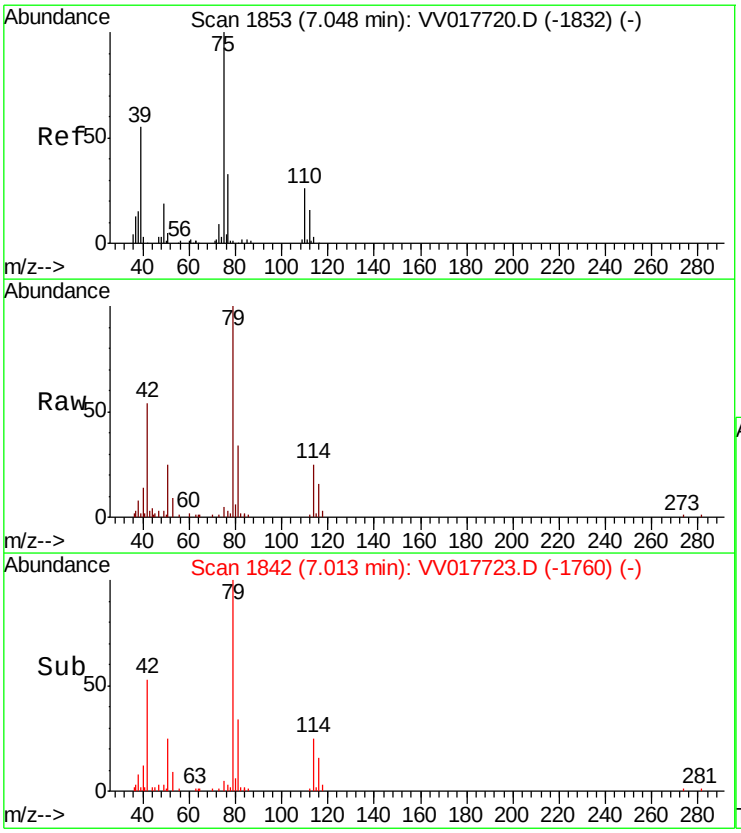

#35
Methylcyclohexane
Concen: 0.716 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.05 min
Lab File: VV017723.D
Acq: 29 Jul 2020 12:16

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

Tgt Ion: 83 Resp: 8669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 0.9 | 61.8 | 92.8# |
| 98 | 2.7 | 39.0 | 58.6# |

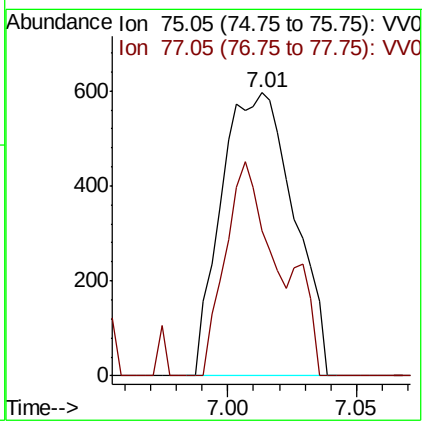


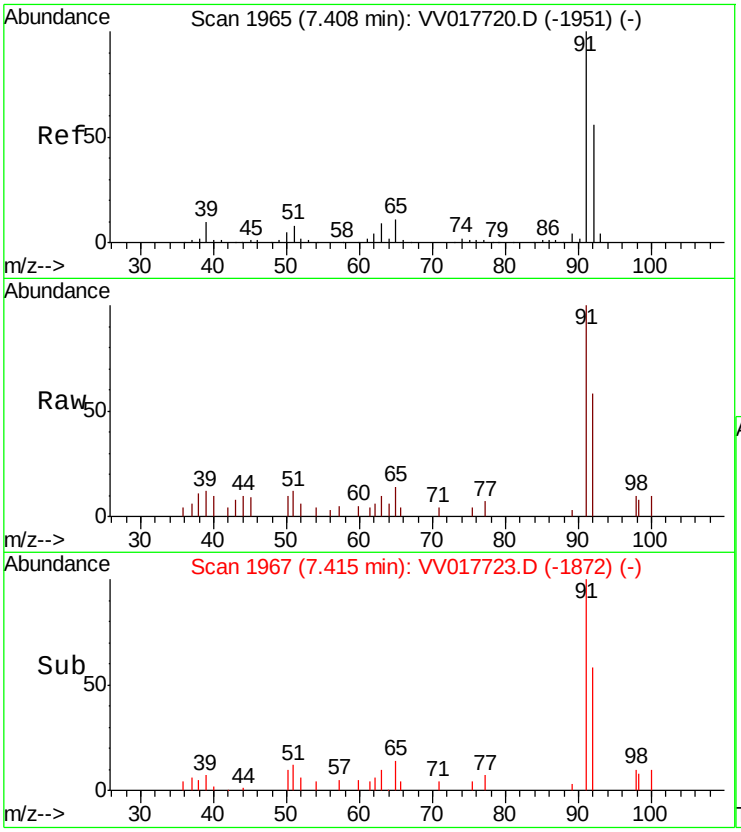




#39
cis-1,3-Dichloropropene
Concen: 0.115 ug/L
RT: 7.01 min Scan# 1842
Delta R.T. -0.04 min
Lab File: VV017723.D
Acq: 29 Jul 2020 12:16

Tgt Ion: 75 Resp: 1167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 51.3 | 23.2 | 43.2# |



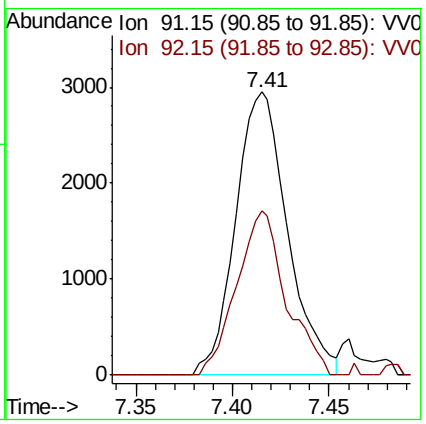


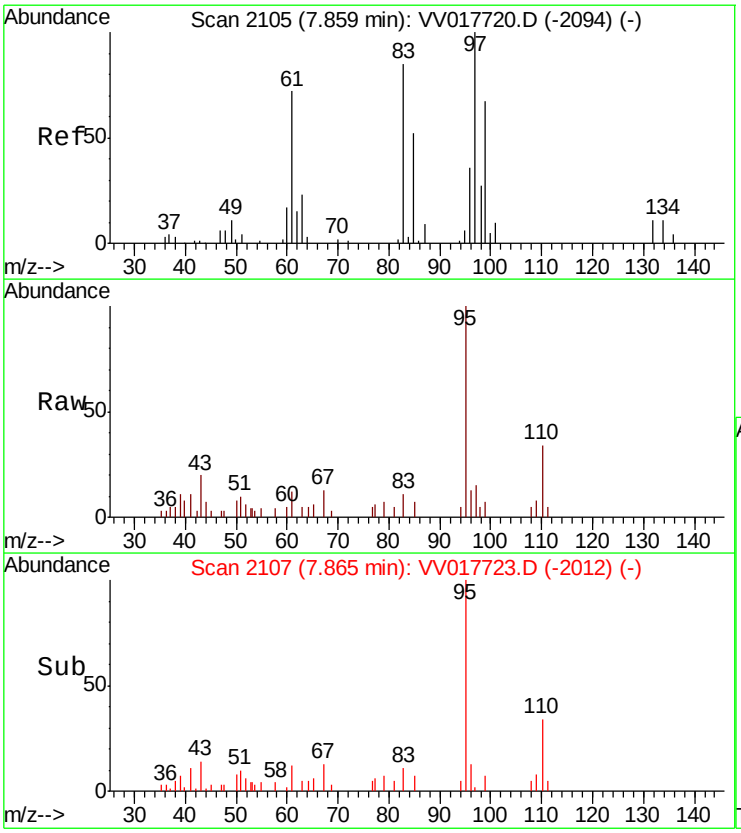

#42
Toluene
Concen: 0.176 ug/L
RT: 7.41 min Scan# 1967
Delta R.T. 0.01 min
Lab File: VV017723.D
Acq: 29 Jul 2020 12:16

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

Tgt Ion: 91 Resp: 5515

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 58.1 | 40.8 | 75.8 |

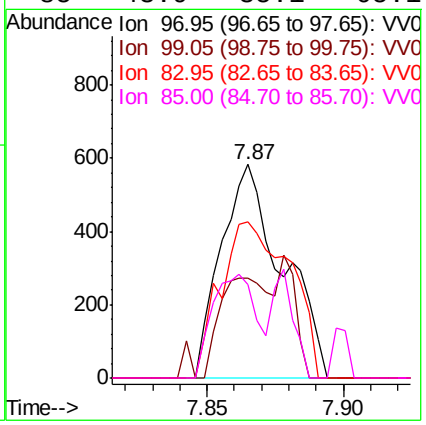


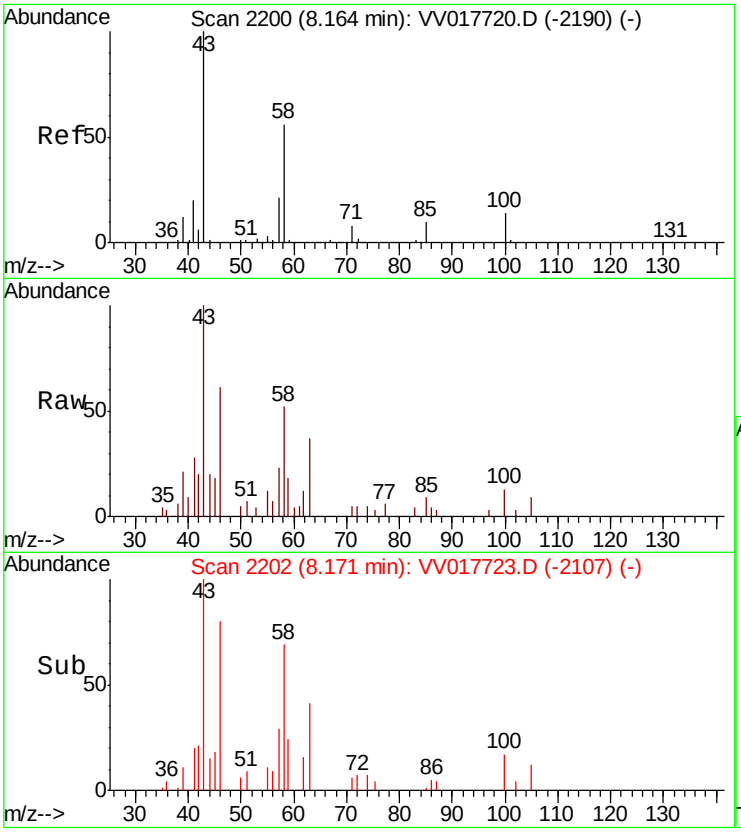




#47
1,1,2-Trichloroethane
Concen: 0.178 ug/L
RT: 7.87 min Scan# 2107
Delta R.T. 0.01 min
Lab File: VV017723.D
Acq: 29 Jul 2020 12:16

Tgt Ion: 97 Resp: 912

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 46.7 | 39.5 | 73.4 |
| 83 | 72.9 | 52.6 | 97.6 |
| 85 | 43.9 | 35.1 | 65.1 |



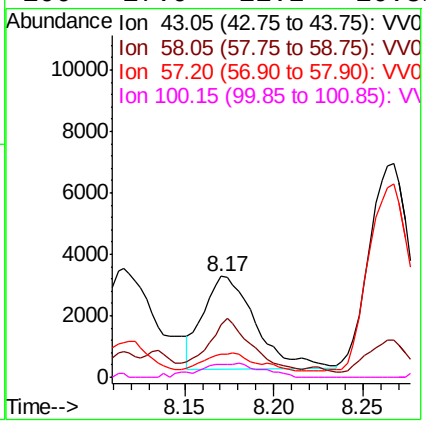


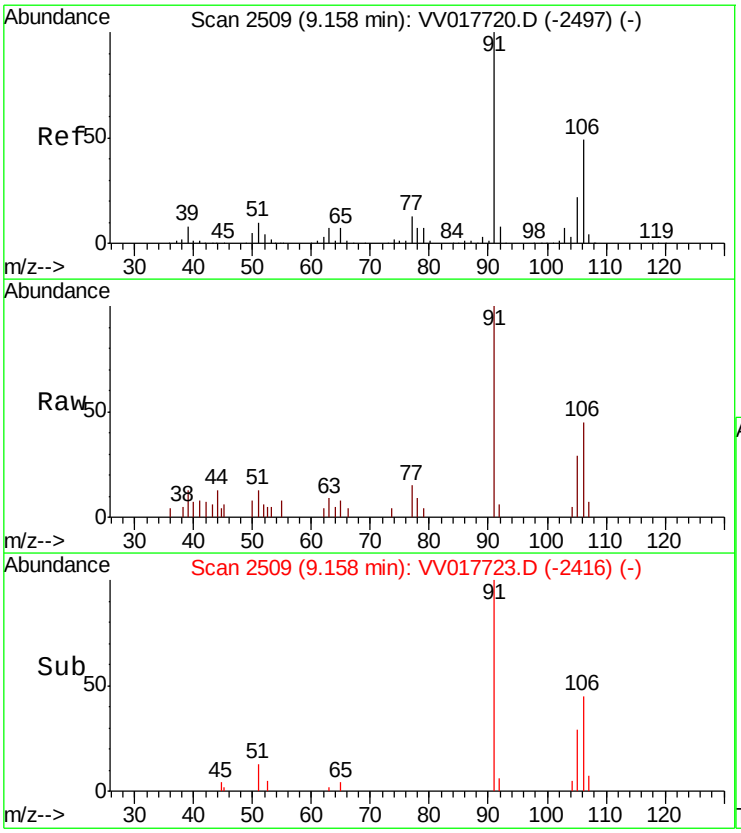

#50
2-Hexanone
Concen: 2.372 ug/L
RT: 8.17 min Scan# 2202
Delta R.T. 0.01 min
Lab File: VV017723.D
Acq: 29 Jul 2020 12:16

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

Tgt Ion: 43 Resp: 6200

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 58.6 | 41.6 | 62.4 |
| 57 | 20.2 | 15.4 | 23.0 |
| 100 | 17.9 | 11.2 | 16.8# |




#55
m,p-xylene
Concen: 0.153 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VV017723.D
Acq: 29 Jul 2020 12:16

Tgt Ion:106 Resp: 2014

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 220.2 | 141.3 | 262.3 |