Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV100920\
Data File : VV018806.D
Acq On : 09 Oct 2020 10:07
Operator : SY/MD
Sample : L4239-17
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BG3S1

Quant Time: Oct 09 23:51:53 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Oct 09 23:43:53 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.64 | 114 | 282859 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.87 | 117 | 279403 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152 | 148408 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 134001 | 52.14 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 104.28% | | | |
| 7) Chloroethane-d5 | 1.58 | 69 | 116230 | 56.18 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 112.36% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.12 | 63 | 207576 | 41.89 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 83.78% | | | |
| 21) 2-Butanone-d5 | 3.90 | 46 | 207471 | 131.47 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 131.47%# | | | |
| 24) Chloroform-d | 4.37 | 84 | 266729 | 58.82 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 117.64% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.05 | 65 | 188460 | 61.31 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 122.62% | | | |
| 32) Benzene-d6 | 5.07 | 84 | 534016 | 59.39 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 118.78% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.09 | 67 | 173240 | 59.09 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 118.18% | | | |
| 41) Toluene-d8 | 7.34 | 98 | 472441 | 59.19 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 118.38% | | | |
| 43) trans-1,3-Dichloropropene- | 7.64 | 79 | 78741 | 54.94 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 109.88% | | | |
| 47) 2-Hexanone-d5 | 8.11 | 63 | 117729 | 114.57 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 114.57% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24 | 84 | 202871 | 60.15 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 120.30%# | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.65 | 152 | 202485 | 61.65 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 123.30%# | | | |
| **Target Compounds** | | | | | | Qvalue |
| 8) Chloroethane | 1.45 | 64 | 13255 | 8.106 | ug/L # | 55 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.12 | 101 | 1722 | 0.847 | ug/L # | 19 |
| 12) 1,1-Dichloroethene | 2.12 | 96 | 1713 | 0.875 | ug/L # | 1 |
| 27) 1,2-Dichloroethane | 5.07 | 62 | 3395 | 1.003 | ug/L | 98 |
| 44) trans-1,3-Dichloropropene | 7.64 | 75 | 3650 | 1.035 | ug/L | 84 |
| 45) 1,1,2-Trichloroethane | 7.81 | 97 | 1796 | 0.821 | ug/L # | 15 |
| 48) 2-Hexanone | 8.16 | 43 | 18458 | 7.389 | ug/L # | 74 |
| 51) Chlorobenzene | 8.90 | 112 | 590343 | 97.691 | ug/L | 99 |
| 52) Ethylbenzene | 9.04 | 91 | 32511 | 3.144 | ug/L | 98 |
| 56) Isopropylbenzene | 9.95 | 105 | 6448 | 0.646 | ug/L | 99 |
| 59) 1,2,3-Trichloropropane | 11.20 | 75 | 144162 | 49.757 | ug/L # | 44 |
| 62) 1,3-Dichlorobenzene | 11.20 | 146 | 451191 | 93.252 | ug/L | 99 |
| 63) 1,4-Dichlorobenzene | 11.29 | 146 | 322861 | 64.148 | ug/L | 99 |
| 65) 1,2-Dichlorobenzene | 11.67 | 146 | 37702 | 7.762 | ug/L | 98 |
| 67) 1,3,5-Trichlorobenzene | 12.67 | 180 | 2846 | 0.908 | ug/L | 95 |
| 68) 1,2,4-trichlorobenzene | 13.28 | 180 | 412969 | 140.135 | ug/L | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV100920\
Data File : VV018806.D
Acq On : 09 Oct 2020 10:07
Operator : SY/MD
Sample : L4239-17
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BG3S1

Quant Time: Oct 09 23:51:53 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Oct 09 23:43:53 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

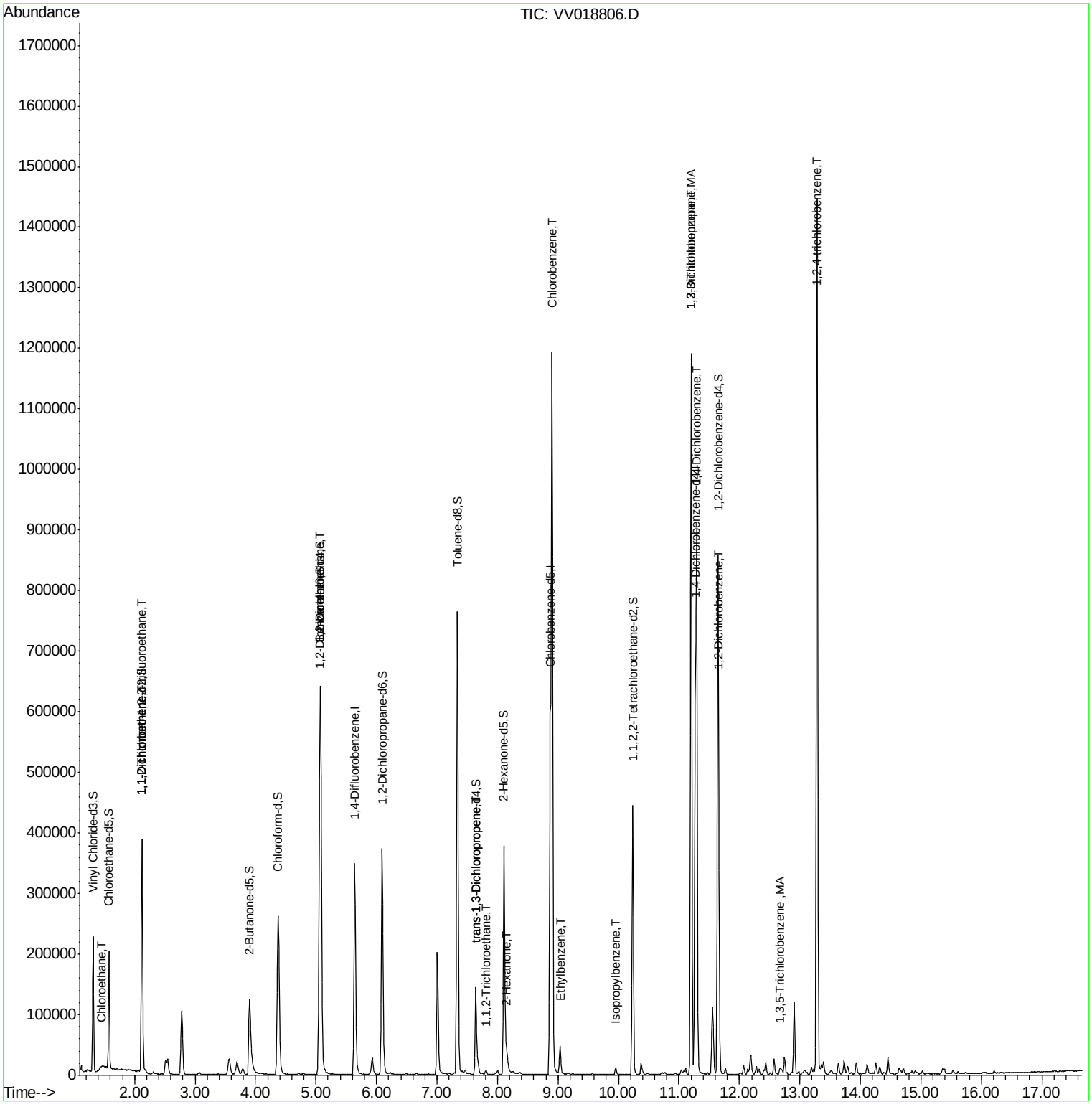
(#) = qualifier out of range (m) = manual integration (+) = signals summed

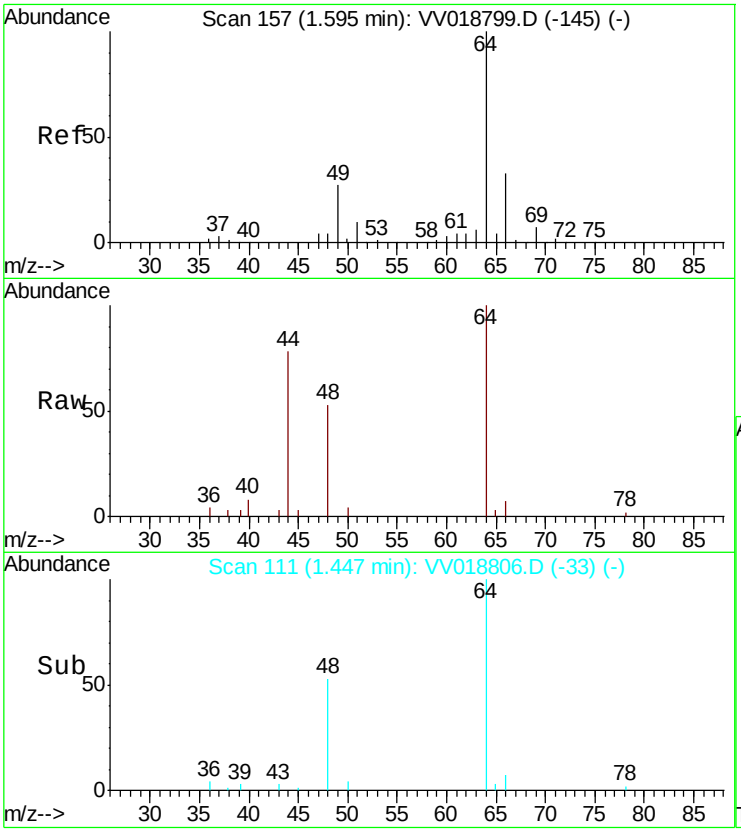
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV100920\
Data File : VV018806.D
Acq On : 09 Oct 2020 10:07
Operator : SY/MD
Sample : L4239-17
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 38 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
BG3S1

Quant Time: Oct 09 23:51:53 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Oct 09 23:43:53 2020
Response via : Initial Calibration



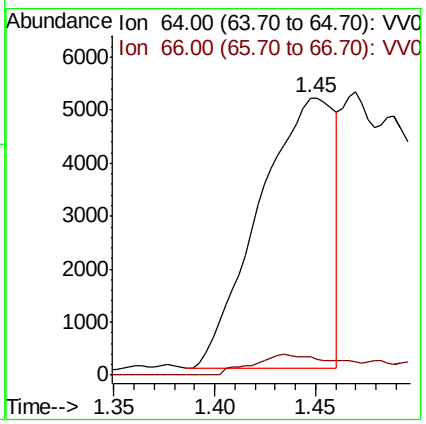


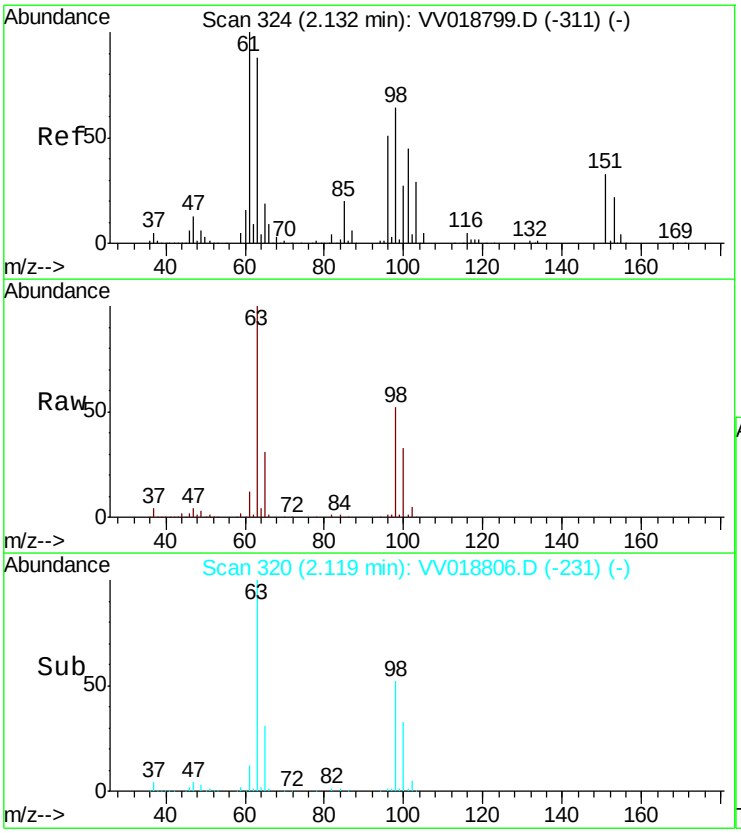

#8
Chloroethane
Concen: 8.106 ug/L
RT: 1.45 min Scan# 111
Delta R.T. -0.15 min
Lab File: VV018806.D
Acq: 09 Oct 2020 10:07

**Instrument :**
MSVOA_V
**ClientSampleId :**
BG3S1

Tgt Ion: 64 Resp: 13255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 6.5 | 21.7 | 40.3# |

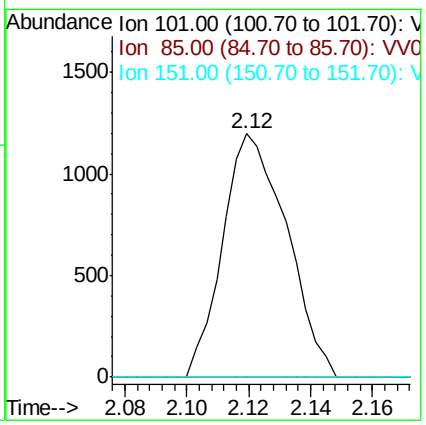


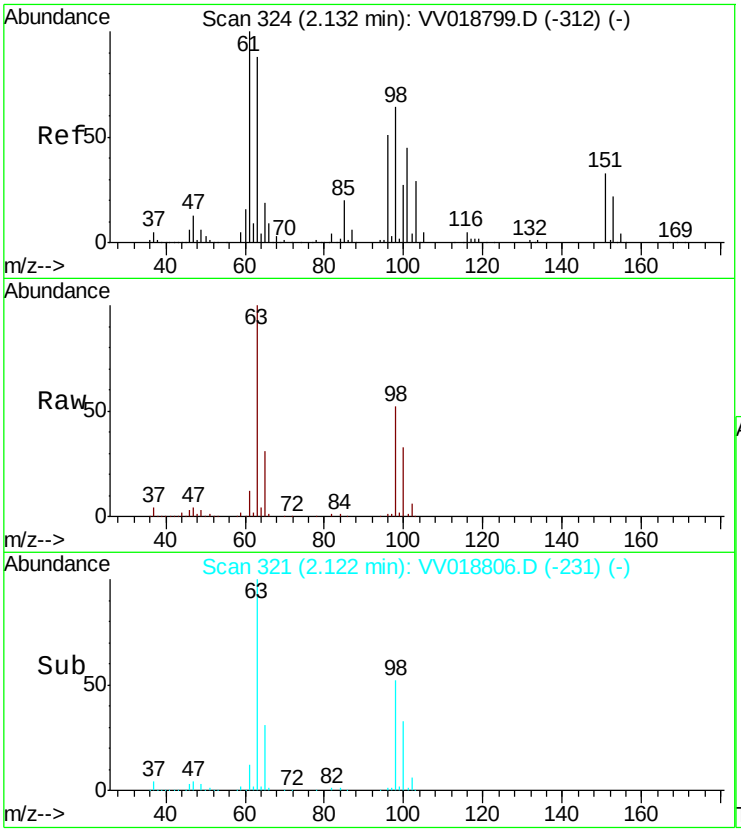




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.847 ug/L
RT: 2.12 min Scan# 320
Delta R.T. -0.01 min
Lab File: VV018806.D
Acq: 09 Oct 2020 10:07

Tgt Ion:101 Resp: 1722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 0.0 | 35.9 | 53.9# |
| 151 | 0.0 | 59.8 | 89.8# |



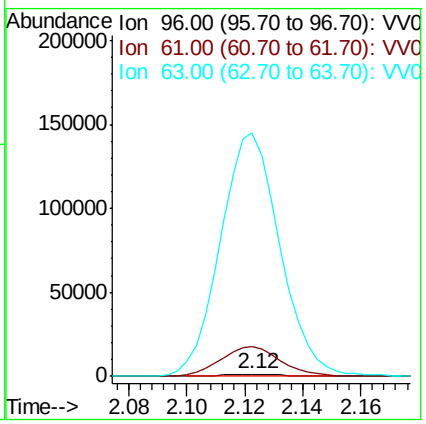


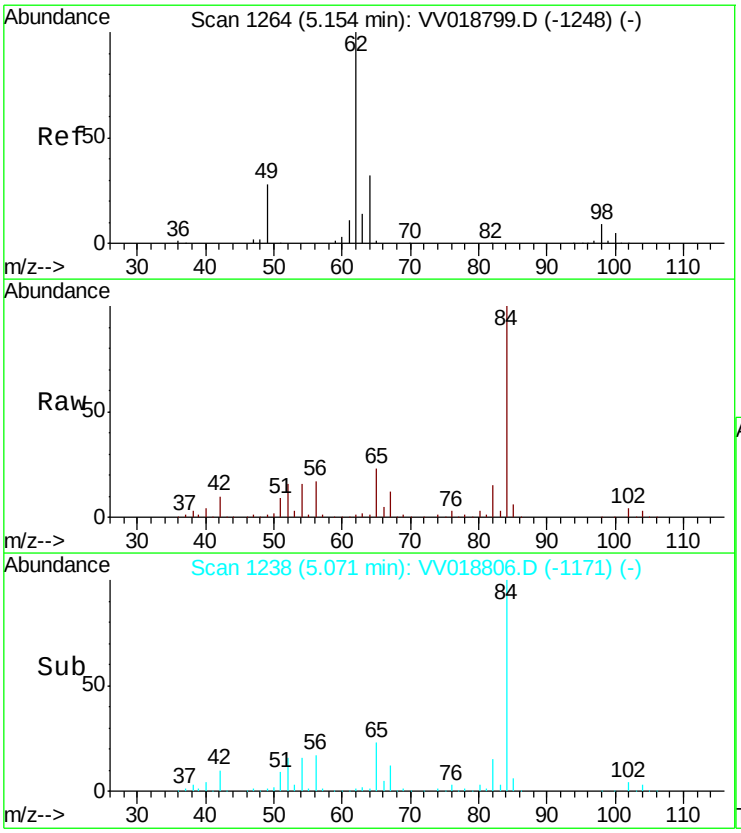

#12
1,1-Dichloroethene
Concen: 0.875 ug/L
RT: 2.12 min Scan# 321
Delta R.T. -0.01 min
Lab File: VV018806.D
Acq: 09 Oct 2020 10:07

**Instrument :** MSVOA_V
**ClientSampleId :** BG3S1

Tgt Ion: 96 Resp: 1713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 1512.6 | 133.6 | 248.0# |
| 63 | 12572.4 | 108.4 | 201.4# |

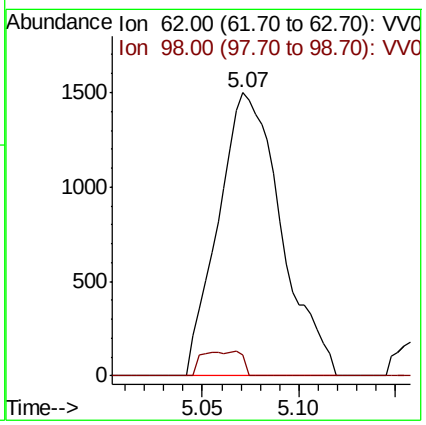


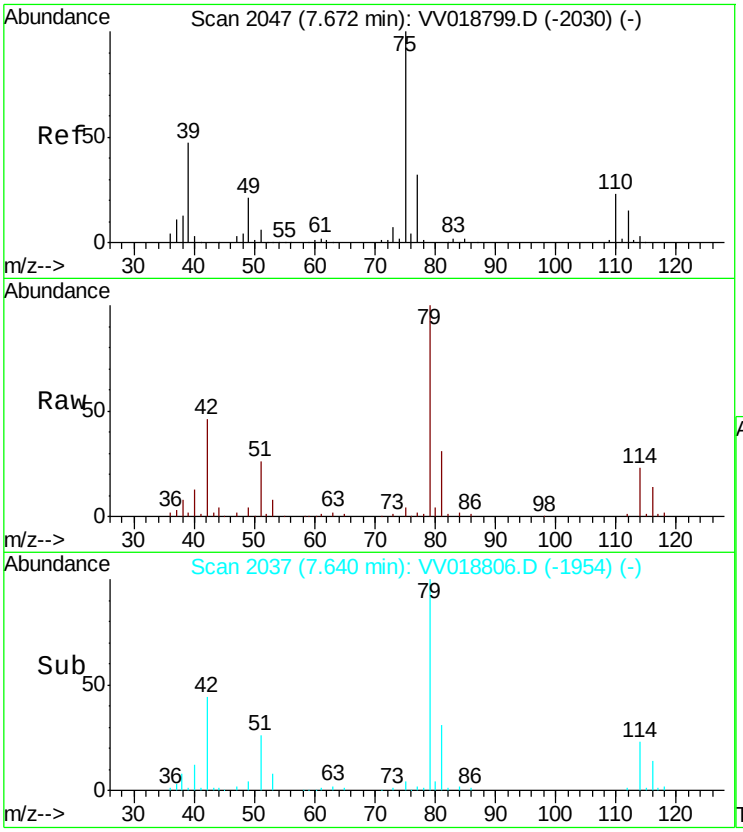




#27
1,2-Dichloroethane
Concen: 1.003 ug/L
RT: 5.07 min Scan# 1238
Delta R.T. -0.08 min
Lab File: VV018806.D
Acq: 09 Oct 2020 10:07

Tgt Ion: 62 Resp: 3395

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 7.5 | 6.6 | 10.0 |



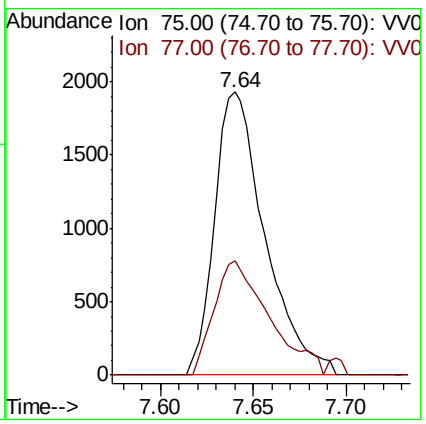


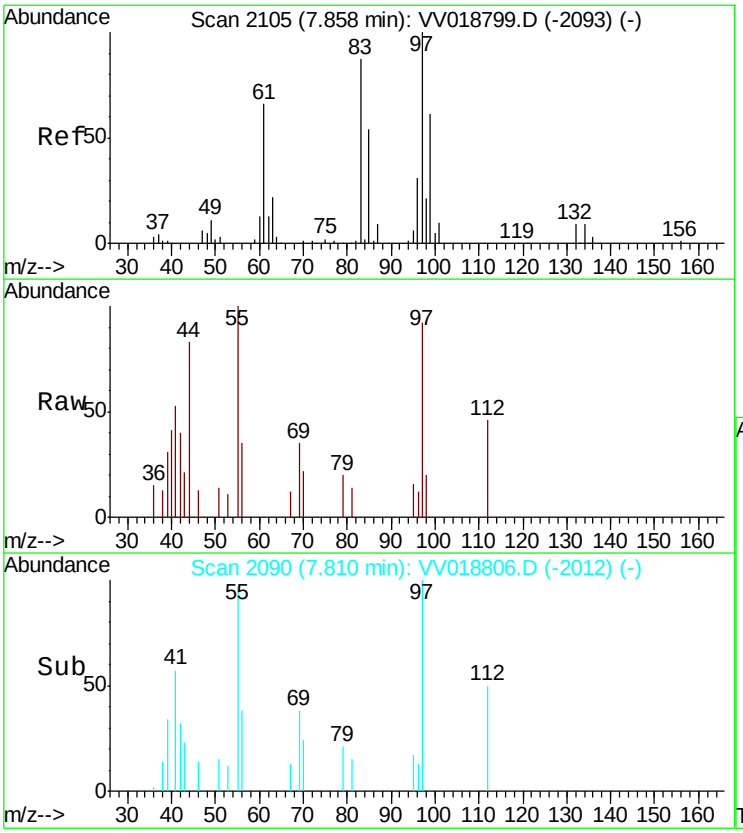

#44
trans-1,3-Dichloropropene
Concen: 1.035 ug/L
RT: 7.64 min Scan# 2037
Delta R.T. -0.03 min
Lab File: VV018806.D
Acq: 09 Oct 2020 10:07

**Instrument :**
MSVOA_V
**ClientSampleId :**
BG3S1

Tgt Ion: 75 Resp: 3650

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 40.3 | 21.8 | 40.6 |

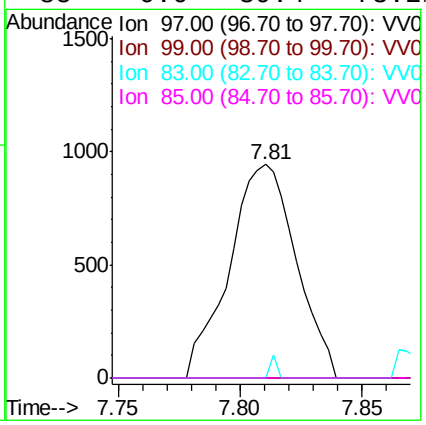


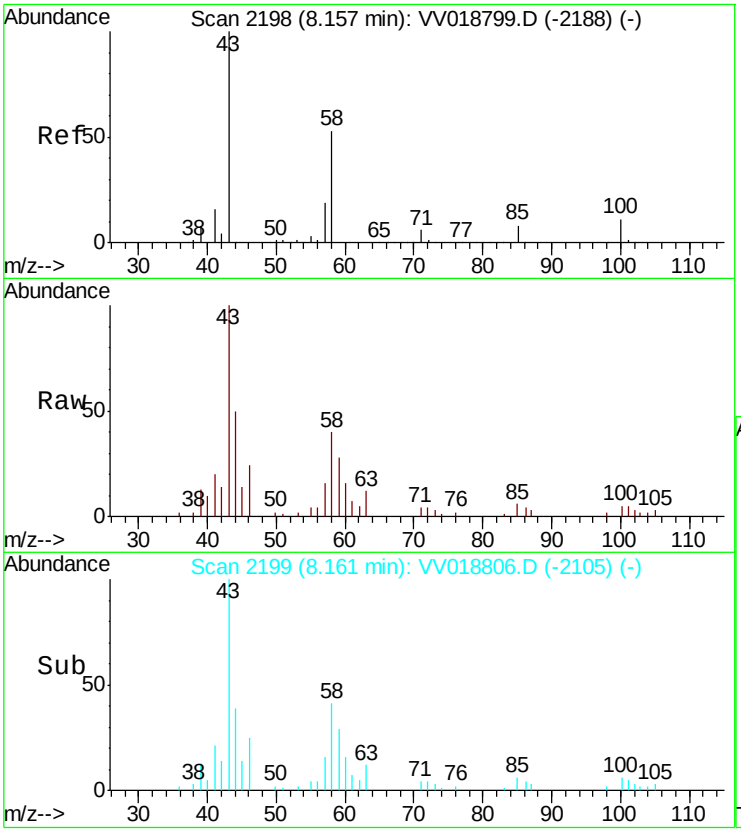




#45
1,1,2-Trichloroethane
Concen: 0.821 ug/L
RT: 7.81 min Scan# 2090
Delta R.T. -0.05 min
Lab File: VV018806.D
Acq: 09 Oct 2020 10:07

Tgt Ion: 97 Resp: 1796

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 0.0 | 43.4 | 80.6# |
| 83 | 0.0 | 58.7 | 108.9# |
| 85 | 0.0 | 39.4 | 73.2# |



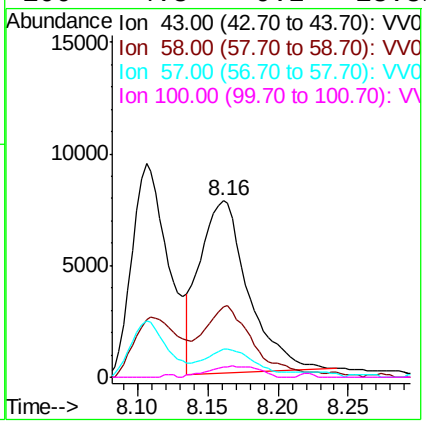


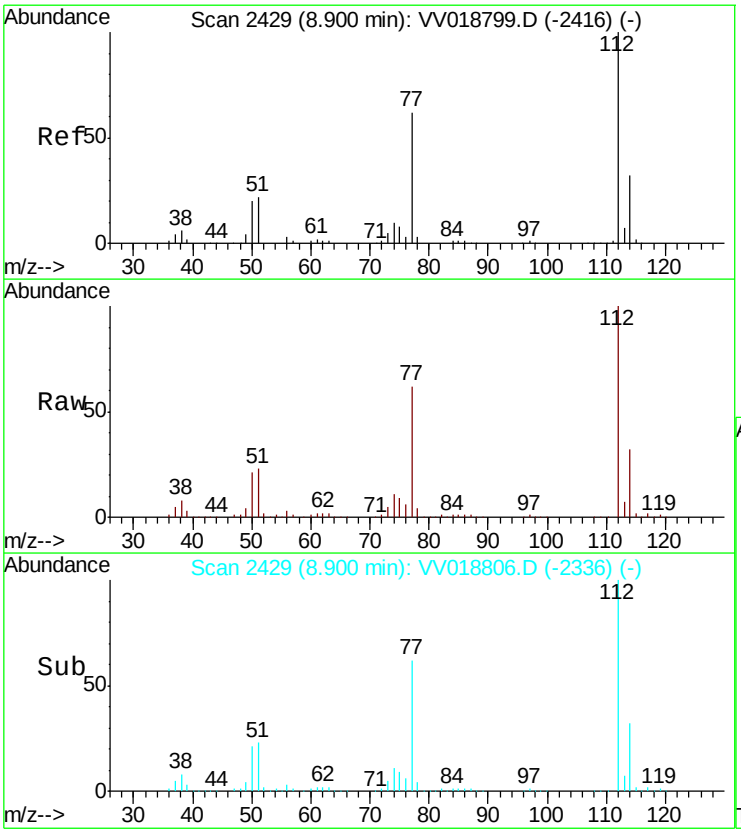

#48
2-Hexanone
Concen: 7.389 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. 0.00 min
Lab File: VV018806.D
Acq: 09 Oct 2020 10:07

**Instrument :** MSVOA_V
**ClientSampleId :** BG3S1

Tgt Ion: 43 Resp: 18458

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.8 | 41.8 | 62.8# |
| 57 | 12.4 | 14.9 | 22.3# |
| 100 | 4.3 | 9.2 | 13.8# |

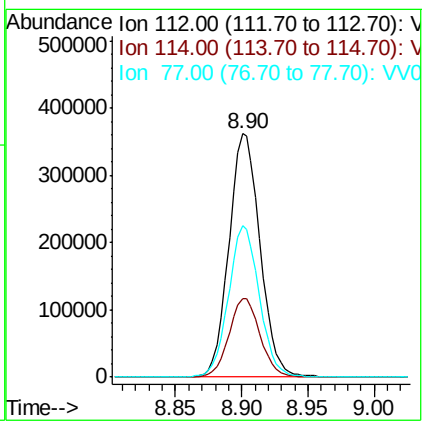


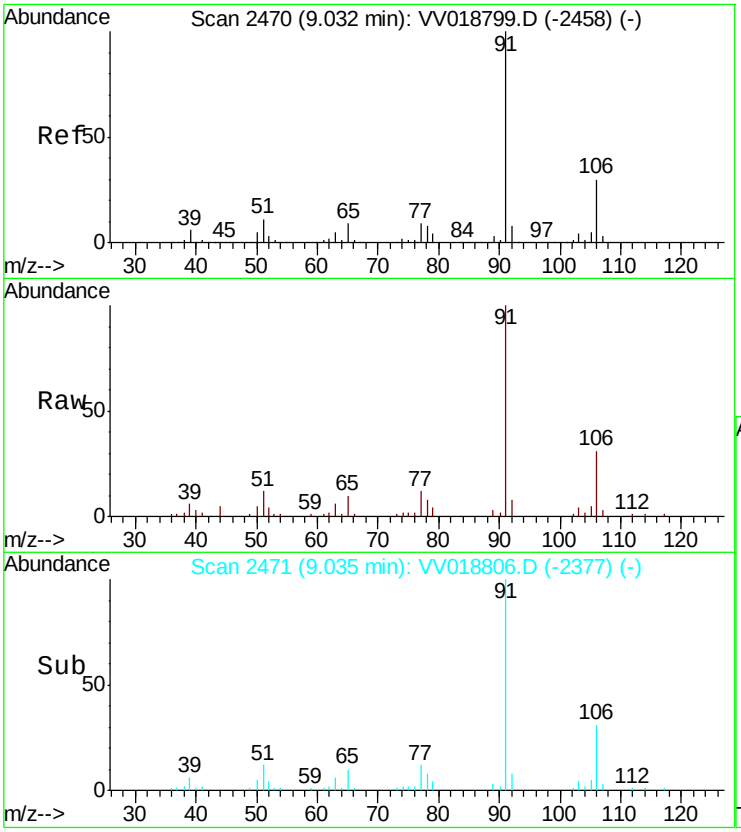




#51
Chlorobenzene
Concen: 97.691 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. 0.00 min
Lab File: VV018806.D
Acq: 09 Oct 2020 10:07

Tgt Ion:112 Resp: 590343

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.4 | 22.0 | 41.0 |
| 77 | 62.0 | 49.8 | 74.6 |



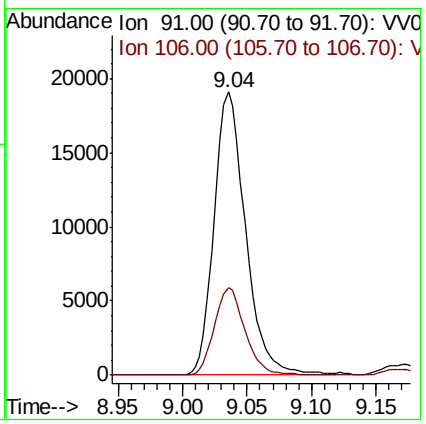


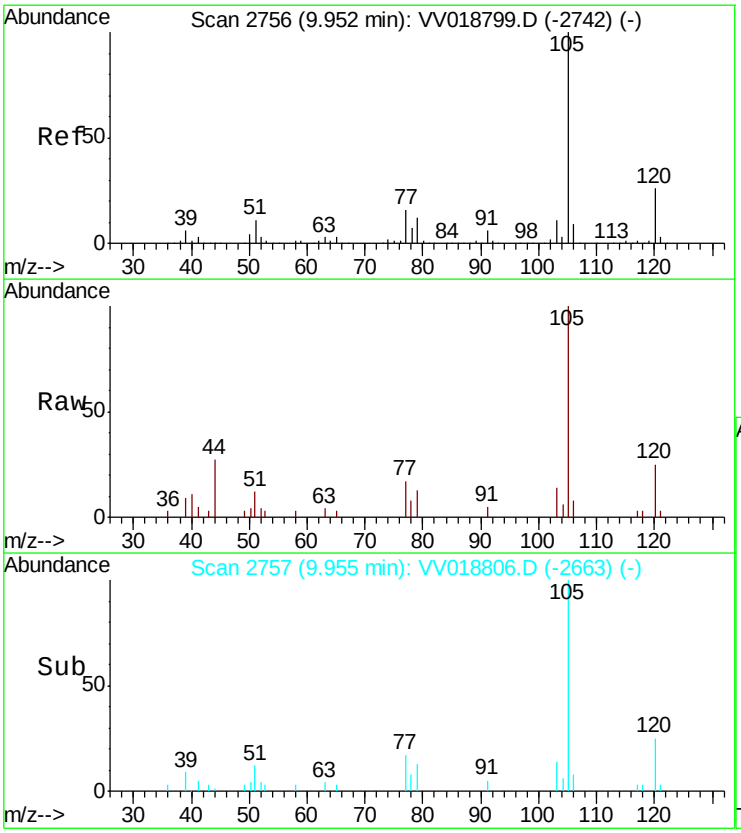

#52
Ethylbenzene
Concen: 3.144 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VV018806.D
Acq: 09 Oct 2020 10:07

**Instrument :** MSVOA_V
**ClientSampleId :** BG3S1

Tgt Ion: 91 Resp: 32511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.8 | 20.9 | 38.9 |

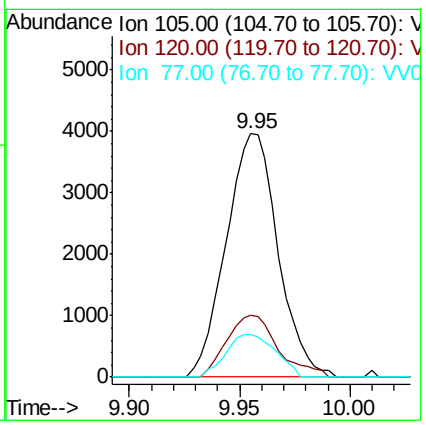


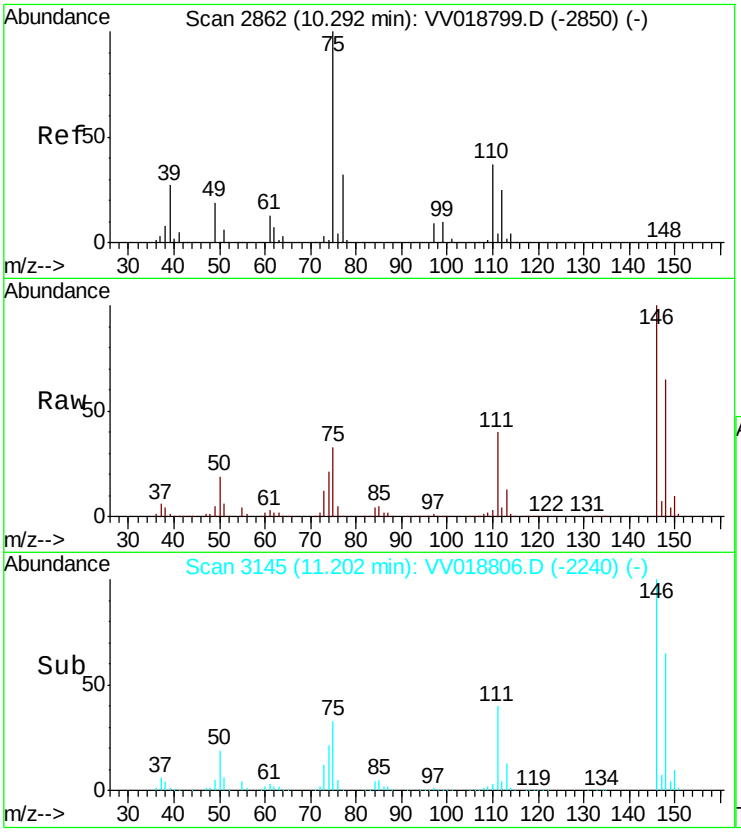




#56
Isopropylbenzene
Concen: 0.646 ug/L
RT: 9.95 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VV018806.D
Acq: 09 Oct 2020 10:07

Tgt Ion:105 Resp: 6448

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.1 | 20.4 | 30.6 |
| 77 | 16.7 | 13.0 | 19.6 |



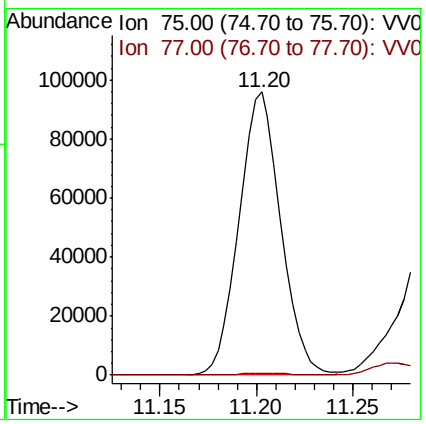


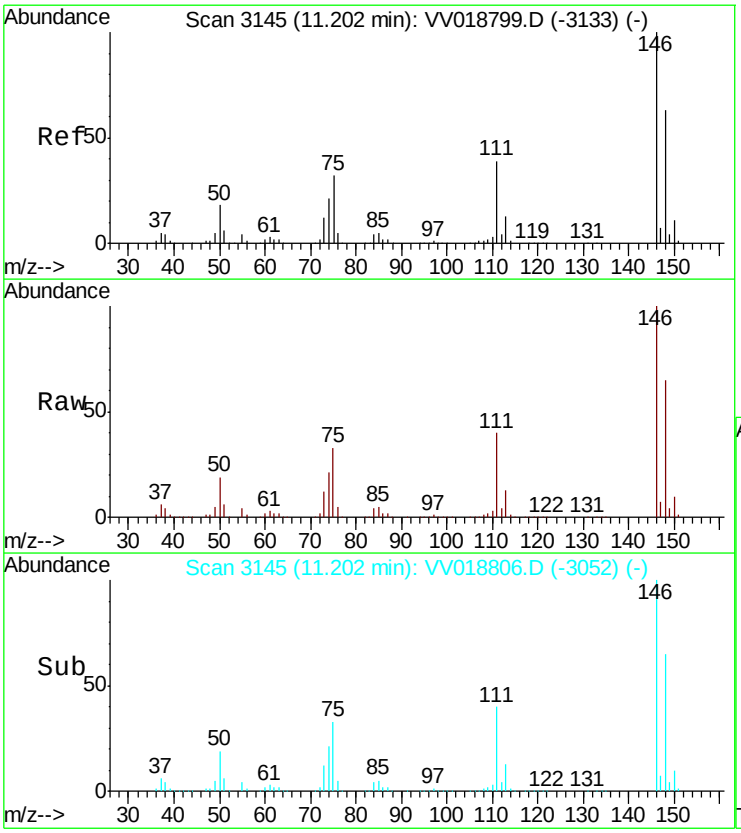

#59
1,2,3-Trichloropropane
Concen: 49.757 ug/L
RT: 11.20 min Scan# 3145
Delta R.T. 0.91 min
Lab File: VV018806.D
Acq: 09 Oct 2020 10:07

**Instrument :**
MSVOA_V
**ClientSampleId :**
BG3S1

Tgt Ion: 75 Resp: 144162

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.9 | 25.9 | 38.9# |

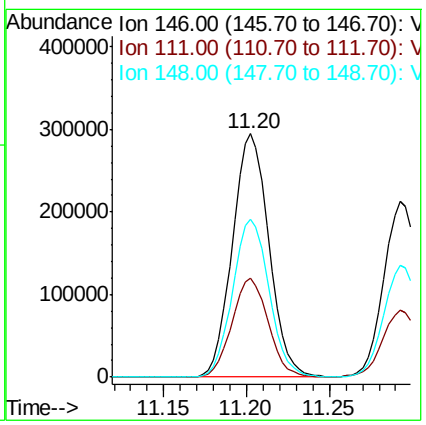


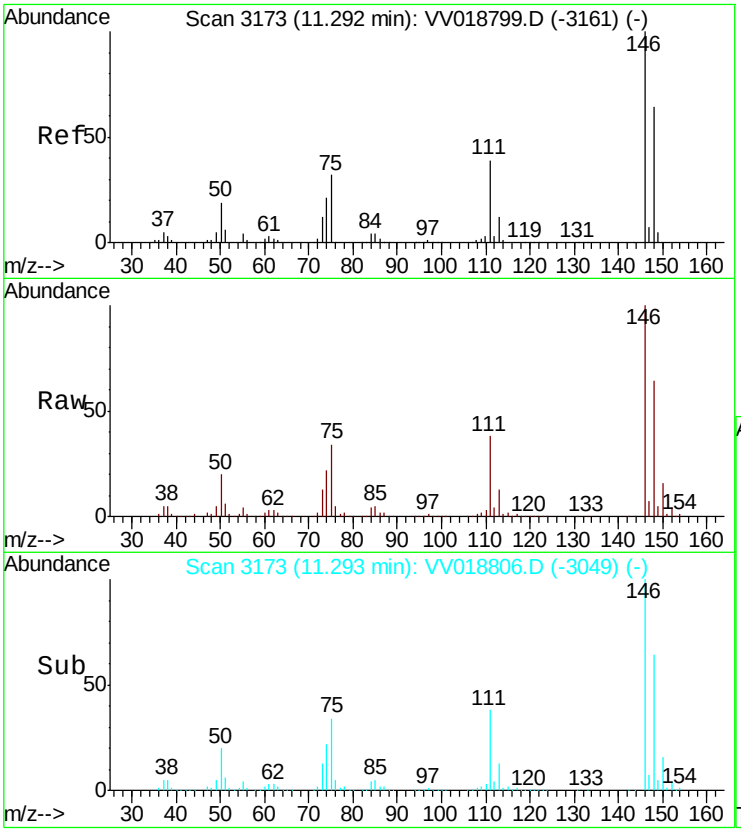




#62
1,3-Dichlorobenzene
Concen: 93.252 ug/L
RT: 11.20 min Scan# 3145
Delta R.T. 0.00 min
Lab File: VV018806.D
Acq: 09 Oct 2020 10:07

Tgt Ion:146 Resp: 451191

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.4 | 27.8 | 51.6 |
| 148 | 65.0 | 45.4 | 84.4 |



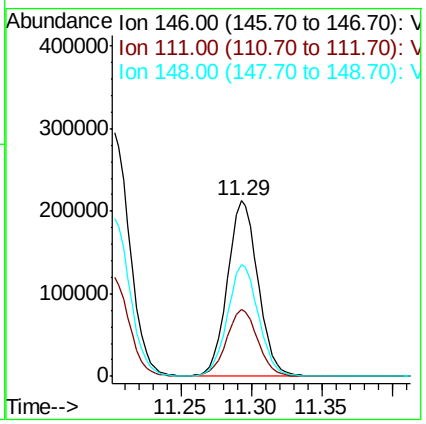


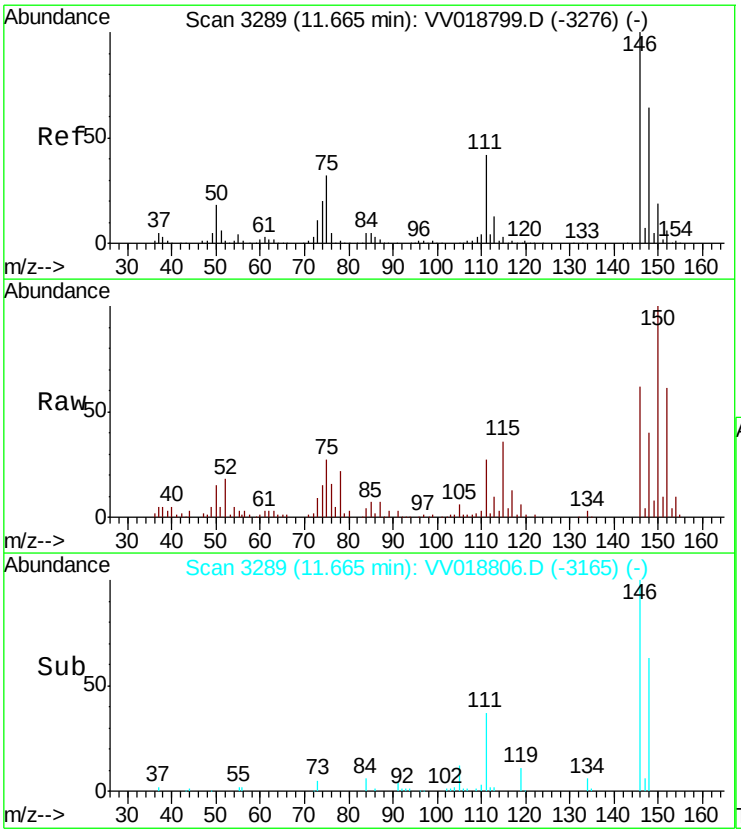

#63
1,4-Dichlorobenzene
Concen: 64.148 ug/L
RT: 11.29 min Scan# 3173
Delta R.T. 0.00 min
Lab File: VV018806.D
Acq: 09 Oct 2020 10:07

**Instrument :**
MSVOA_V
**ClientSampleId :**
BG3S1

Tgt Ion:146 Resp: 322861

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 38.0 | 27.1 | 50.3 |
| 148 | 63.7 | 45.4 | 84.4 |

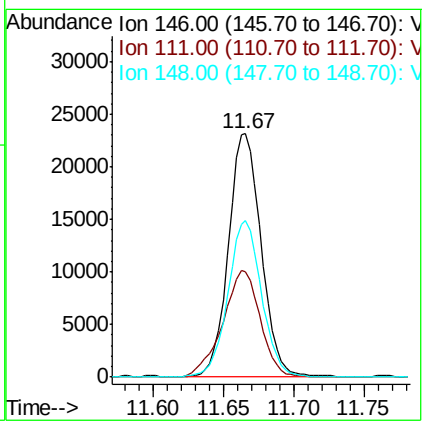


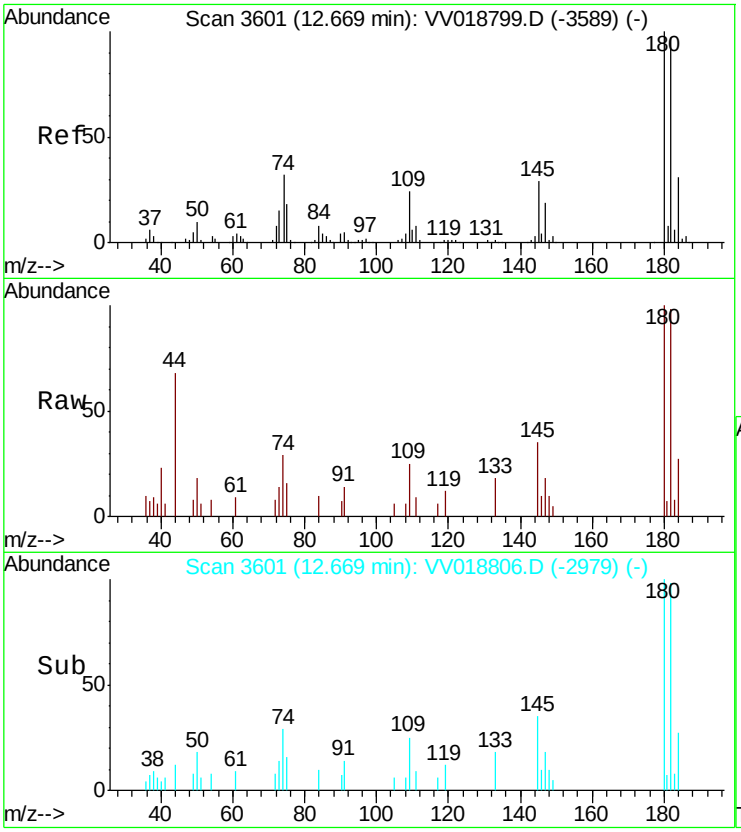




#65
1,2-Dichlorobenzene
Concen: 7.762 ug/L
RT: 11.67 min Scan# 3289
Delta R.T. 0.00 min
Lab File: VV018806.D
Acq: 09 Oct 2020 10:07

Tgt Ion:146 Resp: 37702

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.4 | 33.8 | 50.6 |
| 148 | 64.2 | 50.3 | 75.5 |



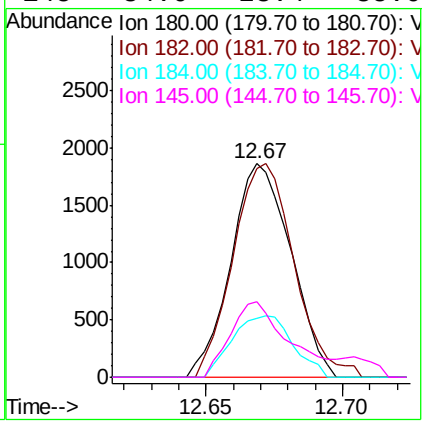


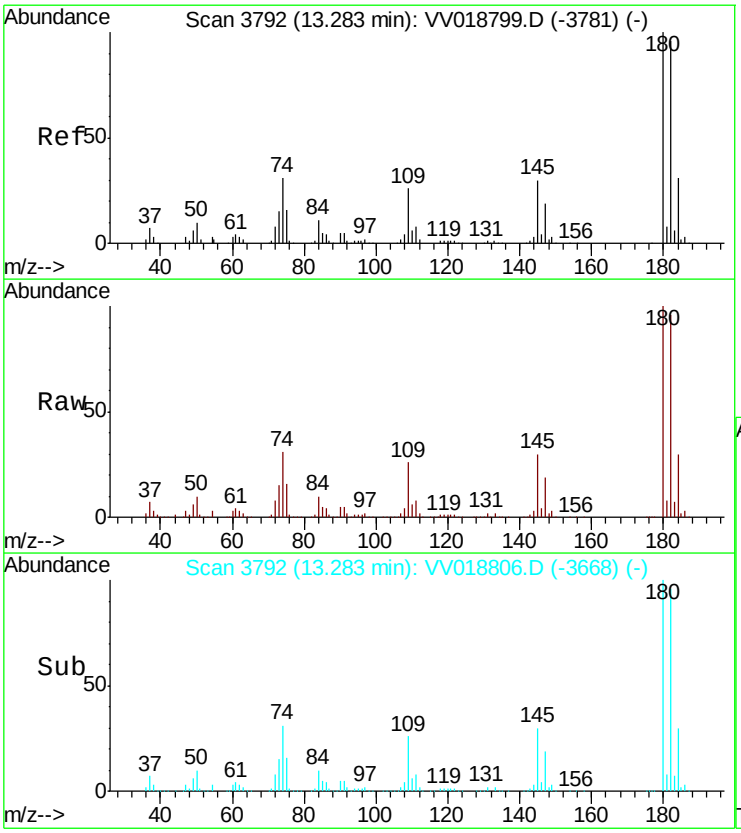

#67
1,3,5-Trichlorobenzene
Concen: 0.908 ug/L
RT: 12.67 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VV018806.D
Acq: 09 Oct 2020 10:07

**Instrument :**
MSVOA_V
**ClientSampleId :**
BG3S1

Tgt Ion:180 Resp: 2846

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 101.1 | 77.0 | 115.6 |
| 184 | 29.0 | 24.6 | 37.0 |
| 145 | 34.0 | 23.4 | 35.0 |




#68
1,2,4-trichlorobenzene
Concen: 140.135 ug/L
RT: 13.28 min Scan# 3792
Delta R.T. 0.00 min
Lab File: VV018806.D
Acq: 09 Oct 2020 10:07

Tgt Ion:180 Resp: 412969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 97.0 | 76.7 | 115.1 |
| 145 | 30.3 | 24.0 | 36.0 |