Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN111920\
Data File : VN064762.D
Acq On : 20 Nov 2020 5:55
Operator : JC/MD
Sample : L4798-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 44 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** 08BR-20201118

Quant Time: Nov 20 06:50:27 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111820W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 18 15:29:54 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 7.63 | 168 | 240674 | 50.00 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 8.55 | 114 | 431728 | 50.00 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 11.38 | 117 | 617268 | 50.00 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.32 | 152 | 196836 | 50.00 | ug/l | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 7.99 | 65 | 232595 | 54.94 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 109.88% | | | | |
| 35) Dibromofluoromethane | 7.55 | 113 | 177673 | 72.30 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 144.60% | | | | |
| 50) Toluene-d8 | 10.06 | 98 | 630122 | 56.42 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 112.84% | | | | |
| 62) 4-Bromofluorobenzene | 12.38 | 95 | 227100 | 54.40 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 108.80% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.83 | 85 | 1385 | 0.461 | ug/l | | 73 |
| 4) Vinyl Chloride | 2.17 | 62 | 2832 | 0.816 | ug/l | | 94 |
| 9) 1,1,2-Trichlorotrifluoroet | 3.72 | 101 | 29461 | 10.970 | ug/l | | 98 |
| 12) 1,1-Dichloroethene | 3.69 | 96 | 2467 | 0.953 | ug/l | | 94 |
| 13) Acrolein | 3.46 | 56 | 63 | 0.655 | ug/l | # | 64 |
| 16) Acetone | 3.78 | 43 | 556 | 5.596 | ug/l | # | 64 |
| 18) Methyl Acetate | 4.29 | 43 | 469 | 1.481 | ug/l | # | 54 |
| 21) trans-1,2-Dichloroethene | 4.99 | 96 | 1293 | 0.448 | ug/l | # | 92 |
| 27) cis-1,2-Dichloroethene | 6.78 | 96 | 84526 | 26.555 | ug/l | | 89 |
| 31) Cyclohexane | 7.63 | 56 | 6922 | 1.512 | ug/l | # | 11 |
| 32) 1,1,1-Trichloroethane | 7.52 | 97 | 1100 | 0.201 | ug/l | # | 34 |
| 36) 1,1-Dichloropropene | 7.62 | 75 | 23291 | 5.244 | ug/l | # | 47 |
| 38) Carbon Tetrachloride | 7.63 | 117 | 27753 | 5.879 | ug/l | # | 16 |
| 39) Methylcyclohexane | 8.80 | 83 | 15256 | 3.876 | ug/l | # | 1 |
| 44) Trichloroethene | 8.80 | 130 | 1028027 | 289.447 | ug/l | | 97 |
| 45) 1,2-Dichloropropane | 8.80 | 63 | 2992 | 0.907 | ug/l | # | 1 |
| 51) 4-Methyl-2-Pentanone | 9.96 | 43 | 198 | 6.174 | ug/l | # | 39 |
| 59) 2-Hexanone | 10.71 | 43 | 422 | 8.567 | ug/l | # | 28 |
| 71) Bromoform | 12.36 | 173 | 650 | 2.609 | ug/l | # | 1 |
| 76) 1,2,3-Trichloropropane | 12.38 | 75 | 129248 | 30.475 | ug/l | # | 100 |
| 81) trans-1,4-Dichloro-2-buten | 12.38 | 75 | 129248 | 77.662 | ug/l | # | 5 |

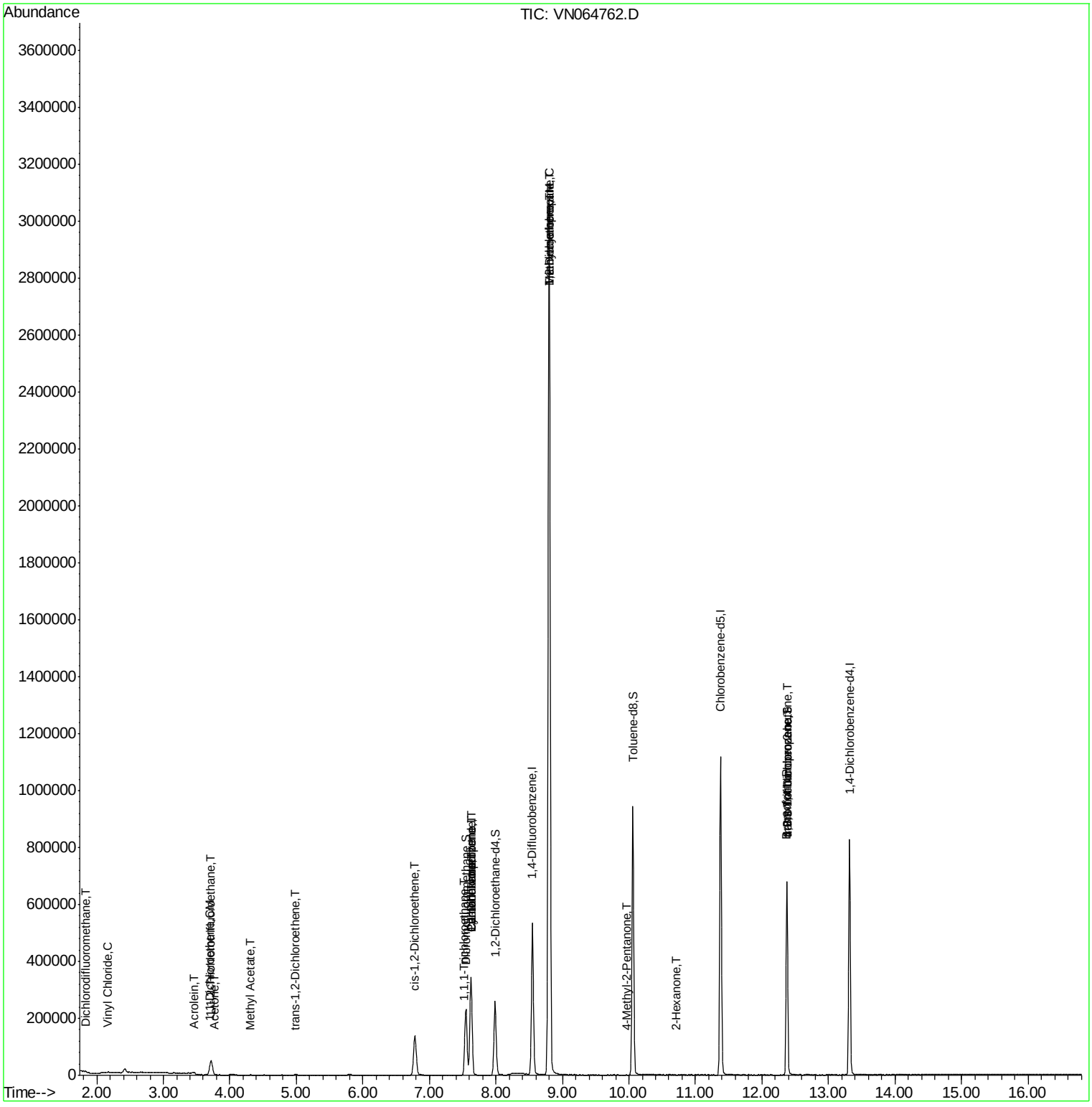
(#) = qualifier out of range (m) = manual integration (+) = signals summed

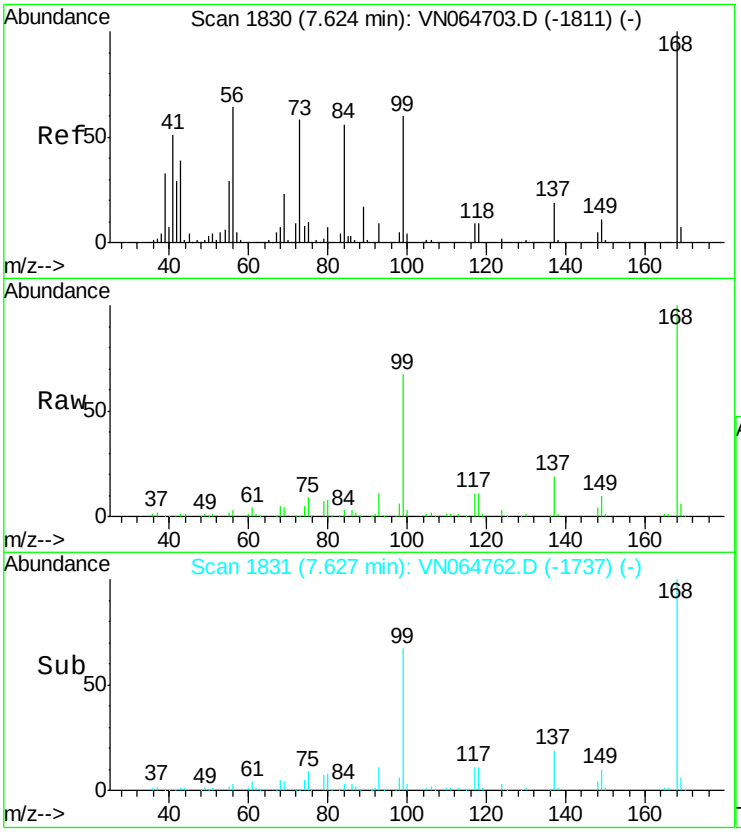
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN111920\
Data File : VN064762.D
Acq On : 20 Nov 2020 5:55
Operator : JC/MD
Sample : L4798-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 44 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** 08BR-20201118

Quant Time: Nov 20 06:50:27 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111820W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 18 15:29:54 2020
Response via : Initial Calibration



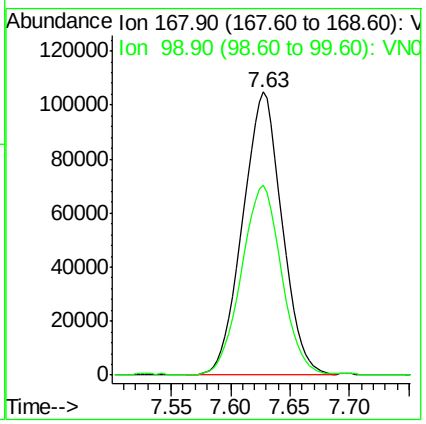


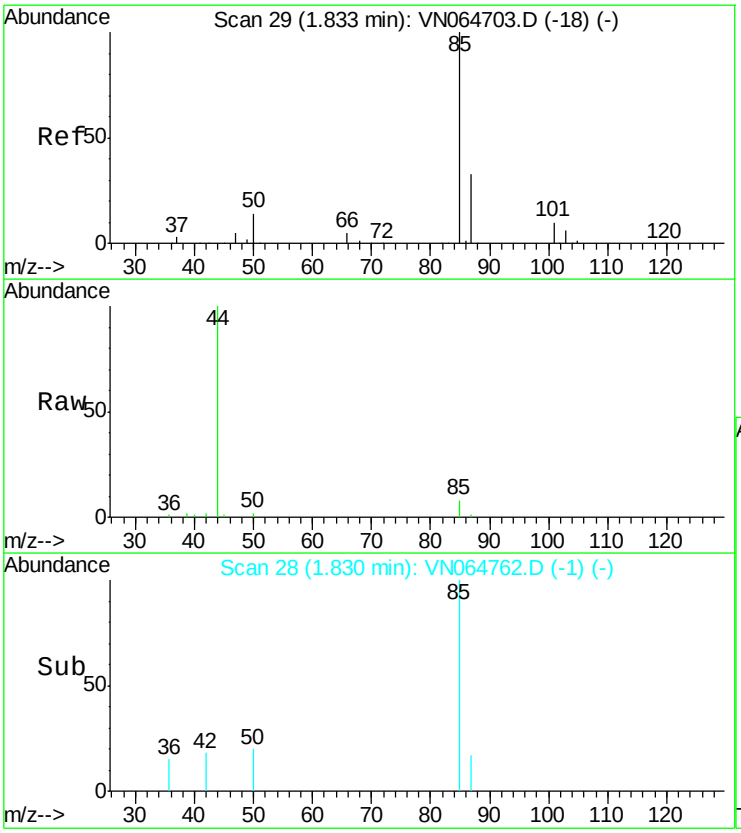

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.00 min
Lab File: VN064762.D
Acq: 20 Nov 2020 5:55

**Instrument :**
MSVOA_N
**ClientSampleId :**
08BR-20201118

Tgt Ion:168 Resp: 240674

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 67.1 | 55.7 | 83.5 |

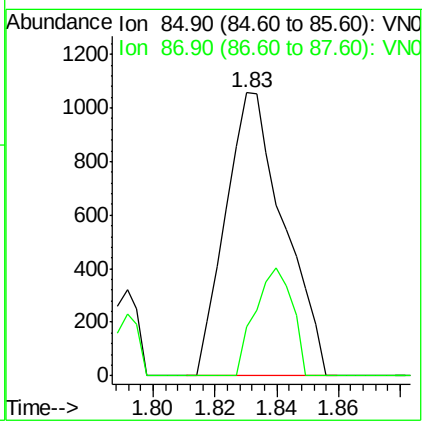


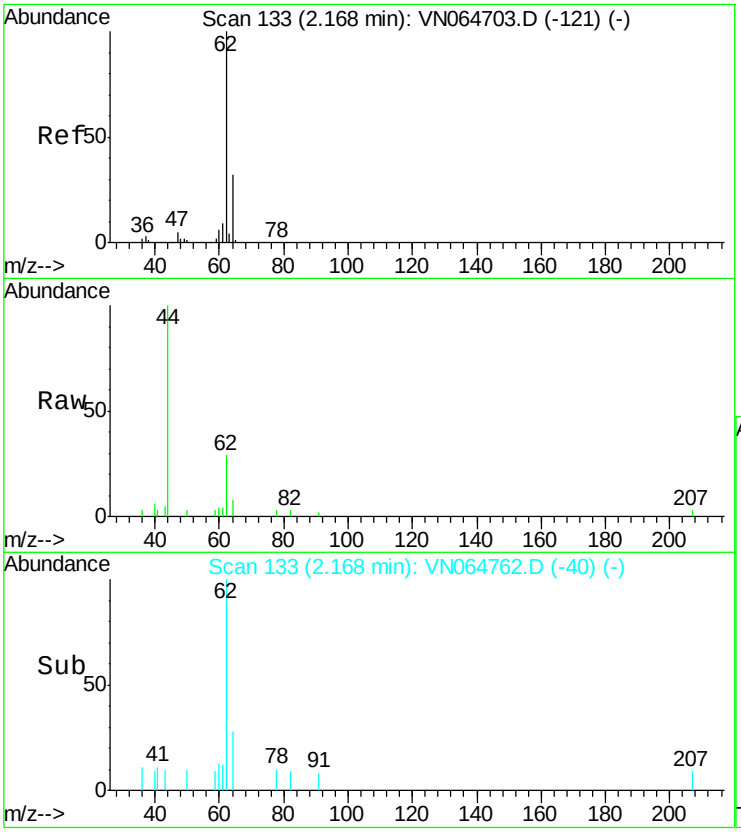




#2
Dichlorodifluoromethane
Concen: 0.461 ug/l
RT: 1.83 min Scan# 28
Delta R.T. -0.00 min
Lab File: VN064762.D
Acq: 20 Nov 2020 5:55

Tgt Ion: 85 Resp: 1385

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 17.3 | 16.4 | 49.2 |



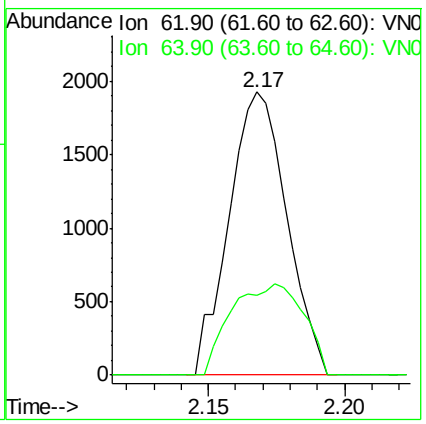


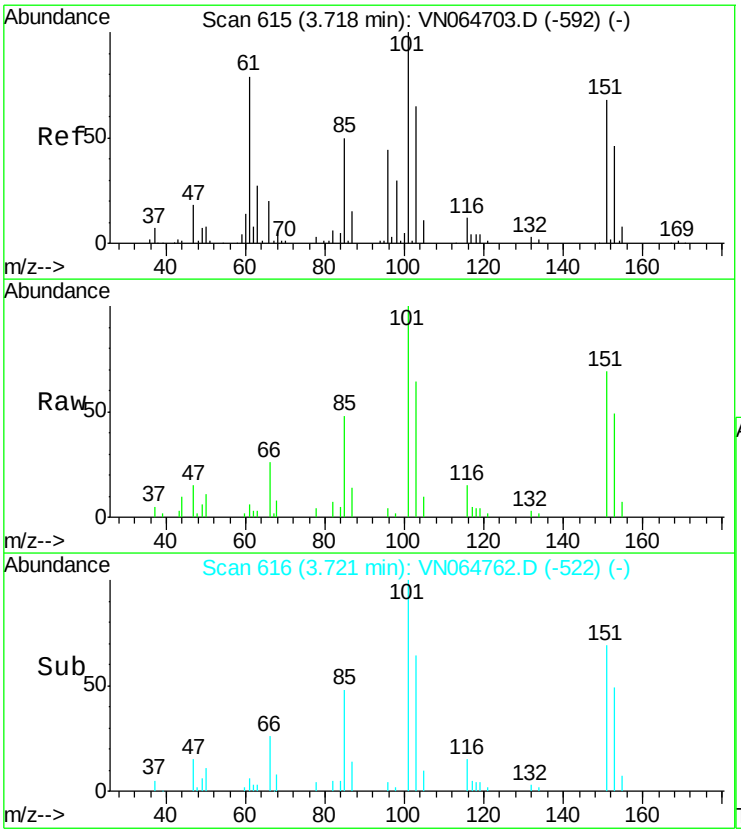

#4
Vinyl Chloride
Concen: 0.816 ug/l
RT: 2.17 min Scan# 133
Delta R.T. 0.00 min
Lab File: VN064762.D
Acq: 20 Nov 2020 5:55

**Instrument :**
MSVOA_N
**ClientSampleId :**
08BR-20201118

Tgt Ion: 62 Resp: 2832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 28.0 | 25.2 | 37.8 |

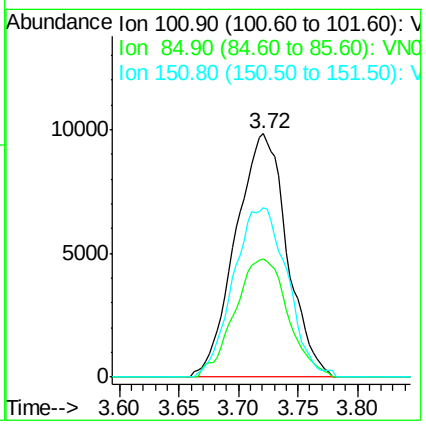


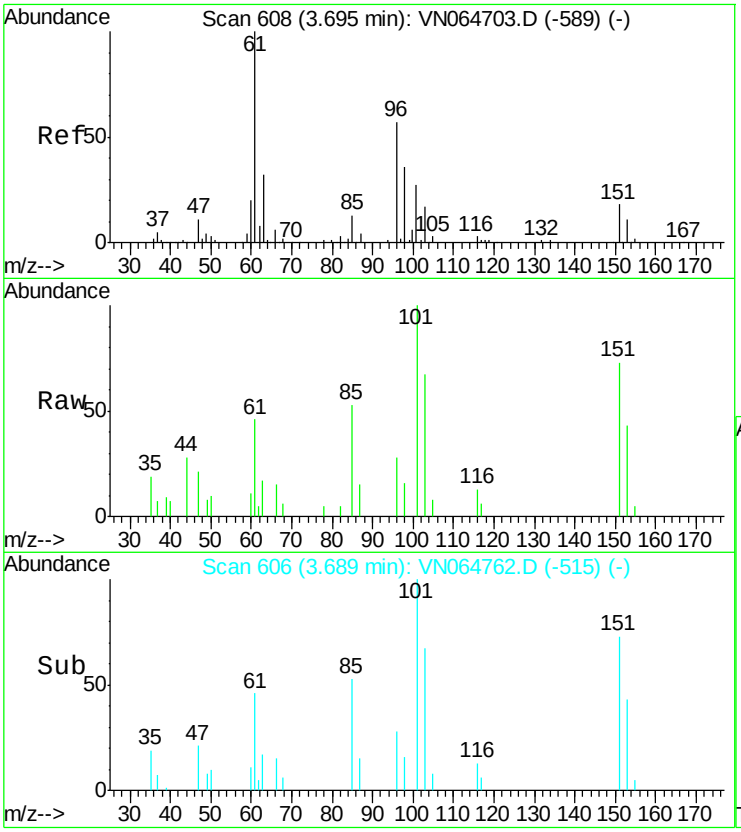




#9
1,1,2-Trichlorotrifluoroethane
Concen: 10.970 ug/l
RT: 3.72 min Scan# 616
Delta R.T. 0.00 min
Lab File: VN064762.D
Acq: 20 Nov 2020 5:55

Tgt Ion:101 Resp: 29461

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 50.0 | 39.0 | 58.4 |
| 151 | 72.9 | 57.2 | 85.8 |



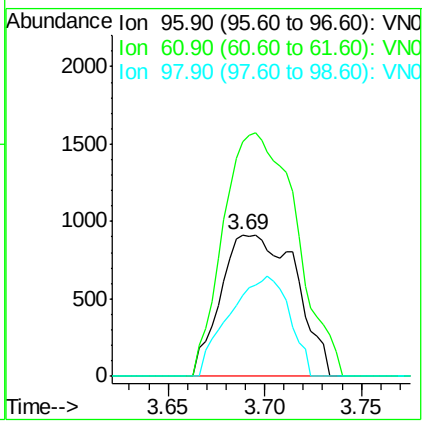


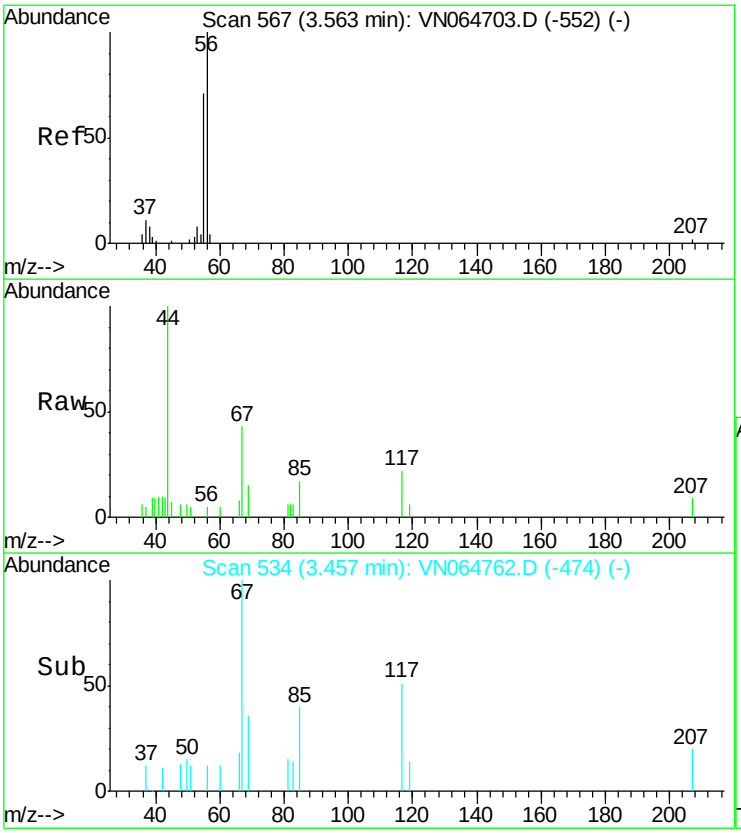

#12
1,1-Dichloroethene
Concen: 0.953 ug/l
RT: 3.69 min Scan# 606
Delta R.T. -0.01 min
Lab File: VN064762.D
Acq: 20 Nov 2020 5:55

**Instrument :** MSVOA_N
**ClientSampleId :** 08BR-20201118

Tgt Ion: 96 Resp: 2467

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 165.6 | 139.1 | 208.7 |
| 98 | 57.5 | 50.2 | 75.2 |

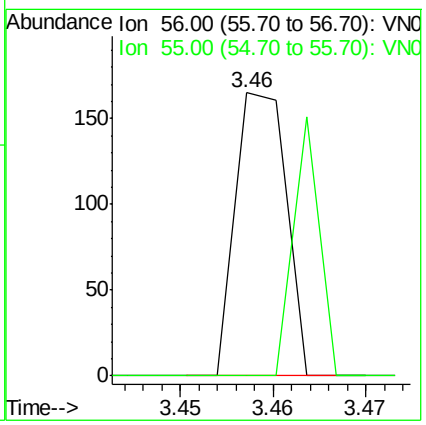


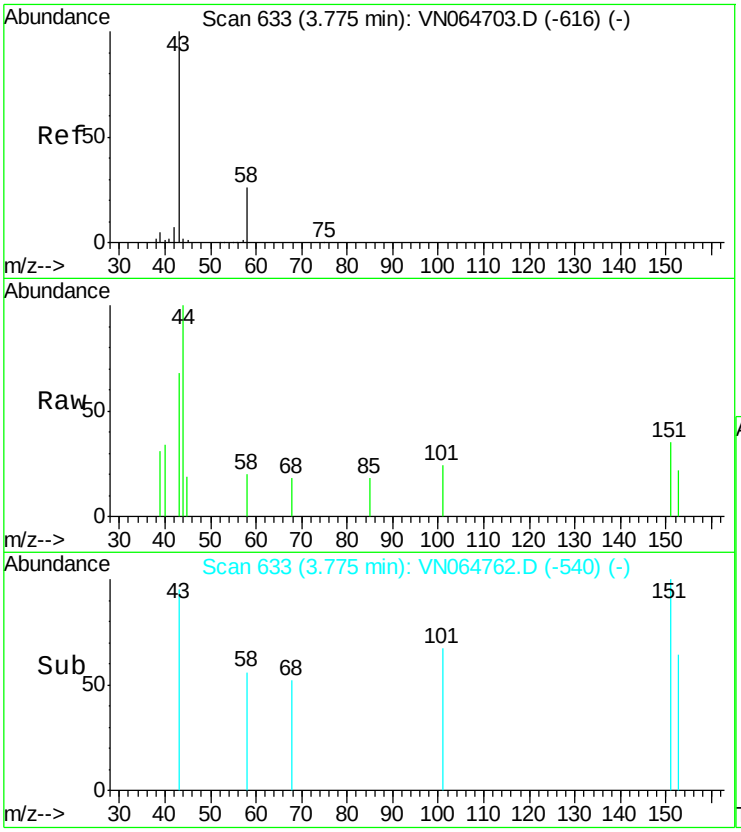




#13
Acrolein
Concen: 0.655 ug/l
RT: 3.46 min Scan# 534
Delta R.T. -0.11 min
Lab File: VN064762.D
Acq: 20 Nov 2020 5:55

Tgt Ion: 56 Resp: 63

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 46.0 | 61.8 | 92.6# |



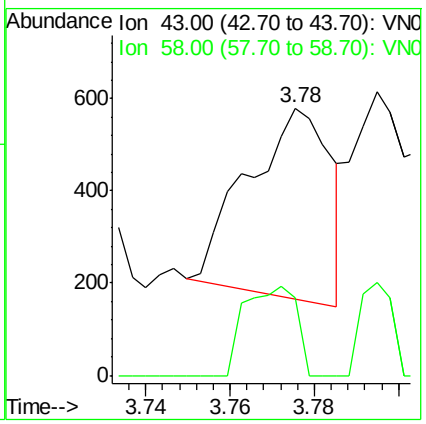


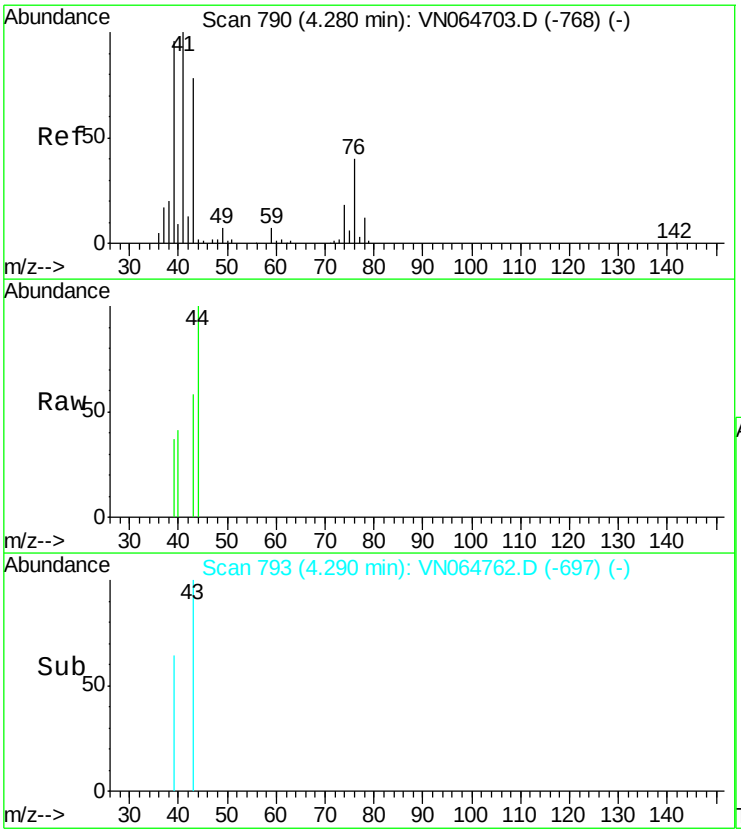

#16
Acetone
Concen: 5.596 ug/l
RT: 3.78 min Scan# 633
Delta R.T. 0.00 min
Lab File: VN064762.D
Acq: 20 Nov 2020 5:55

**Instrument :**
MSVOA_N
**ClientSampleId :**
08BR-20201118

Tgt Ion: 43 Resp: 556

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 45.1 | 21.2 | 31.8# |

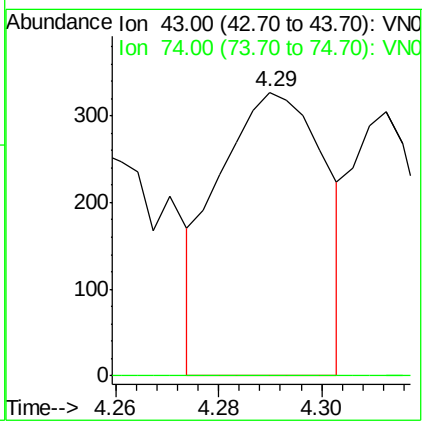


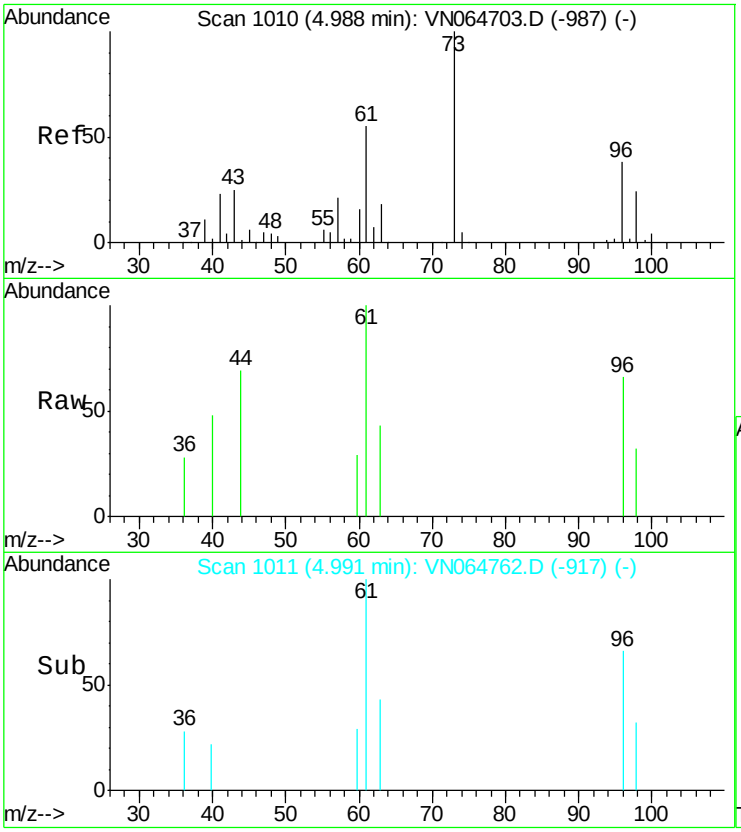




#18
Methyl Acetate
Concen: 1.481 ug/l
RT: 4.29 min Scan# 793
Delta R.T. 0.01 min
Lab File: VN064762.D
Acq: 20 Nov 2020 5:55

Tgt Ion: 43 Resp: 469

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 0.0 | 17.6 | 26.4# |



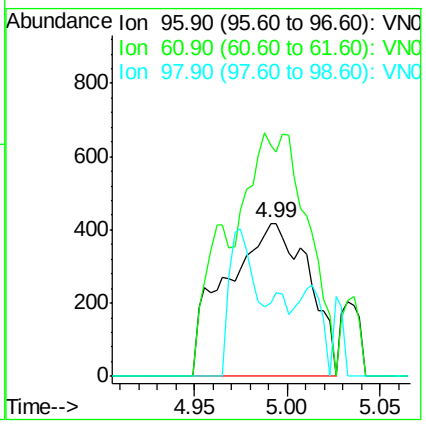


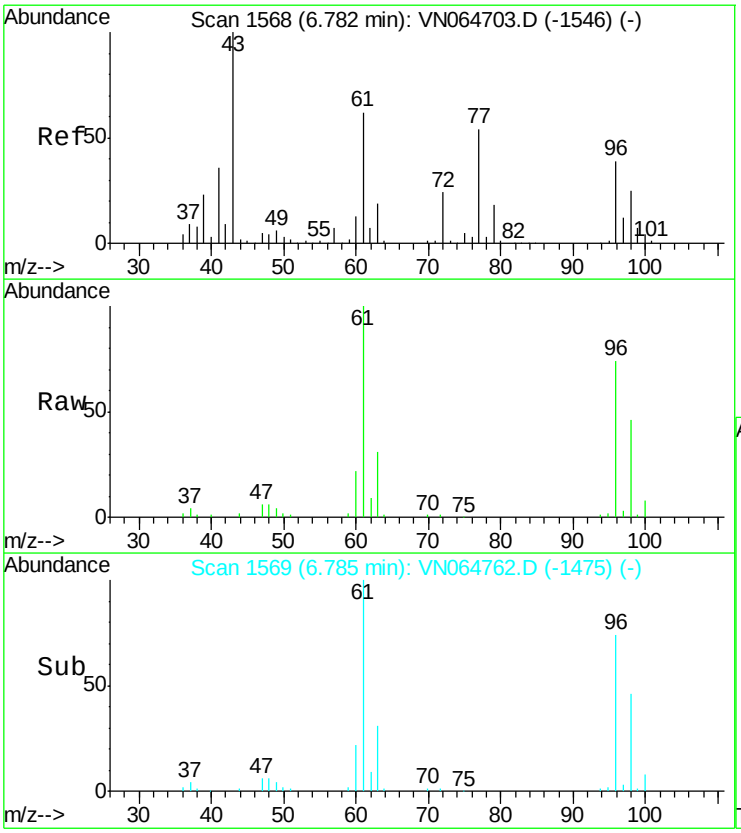

#21
trans-1,2-Dichloroethene
Concen: 0.448 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN064762.D
Acq: 20 Nov 2020 5:55

**Instrument :**
MSVOA_N
**ClientSampleId :**
08BR-20201118

Tgt Ion: 96 Resp: 1293

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 150.5 | 117.9 | 176.9 |
| 98 | 47.8 | 51.1 | 76.7# |

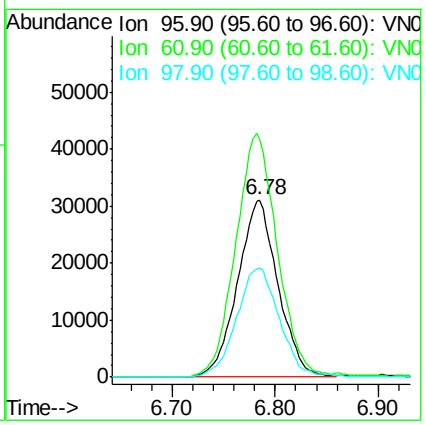


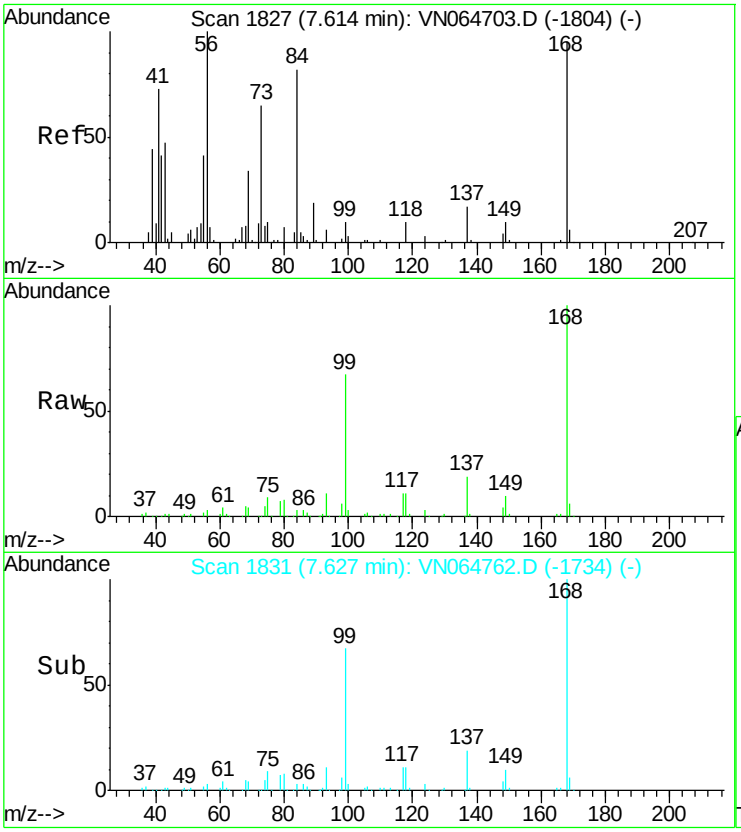




#27
cis-1,2-Dichloroethene
Concen: 26.555 ug/l
RT: 6.78 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VN064762.D
Acq: 20 Nov 2020 5:55

Tgt Ion: 96 Resp: 84526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 141.3 | 0.0 | 322.6 |
| 98 | 65.3 | 0.0 | 128.6 |



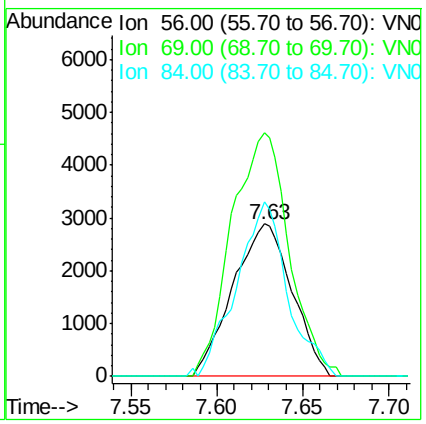


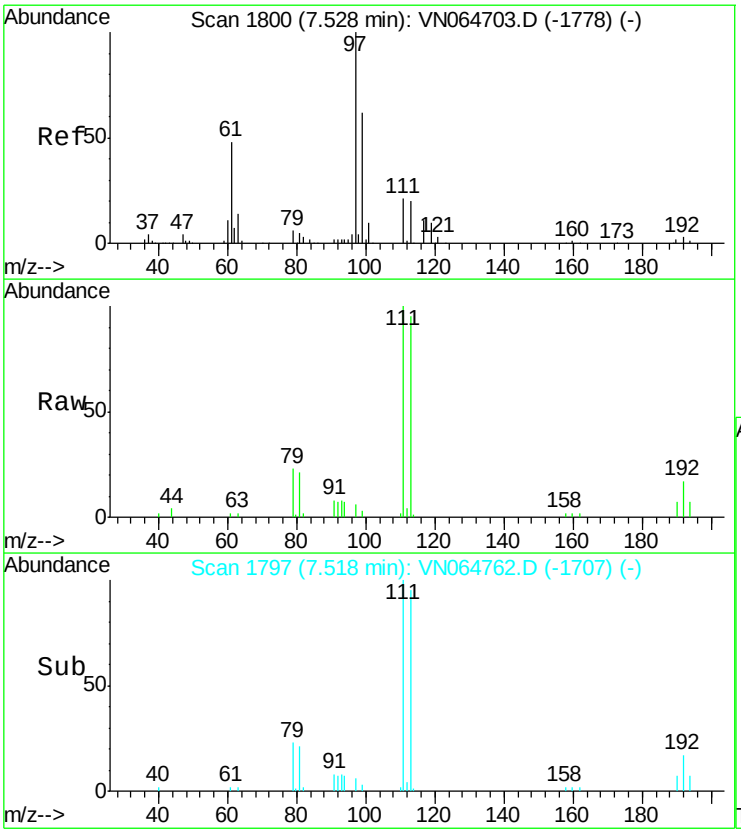

#31
Cyclohexane
Concen: 1.512 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN064762.D
Acq: 20 Nov 2020 5:55

**Instrument :** MSVOA_N
**ClientSampleId :** 08BR-20201118

Tgt Ion: 56 Resp: 6922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 159.9 | 27.2 | 40.8# |
| 84 | 114.3 | 65.9 | 98.9# |

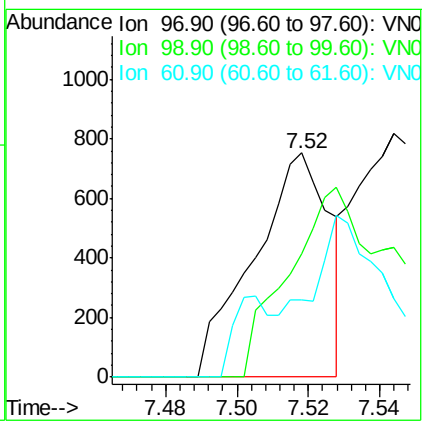


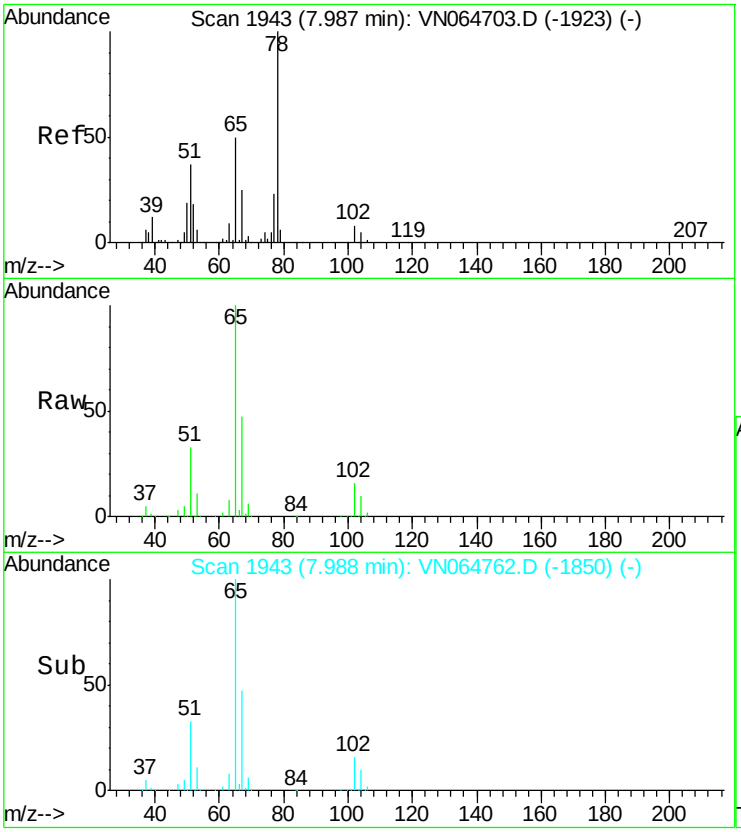




#32
1,1,1-Trichloroethane
Concen: 0.201 ug/l
RT: 7.52 min Scan# 1797
Delta R.T. -0.01 min
Lab File: VN064762.D
Acq: 20 Nov 2020 5:55

Tgt Ion: 97 Resp: 1100

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 0.0 | 50.6 | 76.0# |
| 61 | 78.5 | 38.3 | 57.5# |



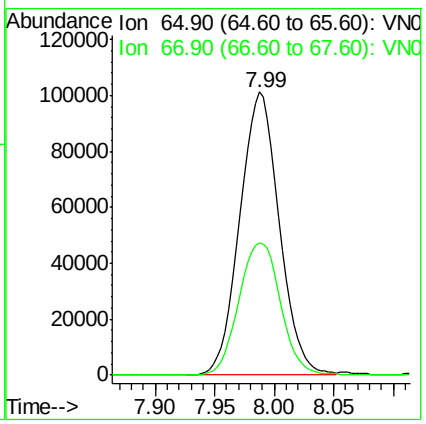


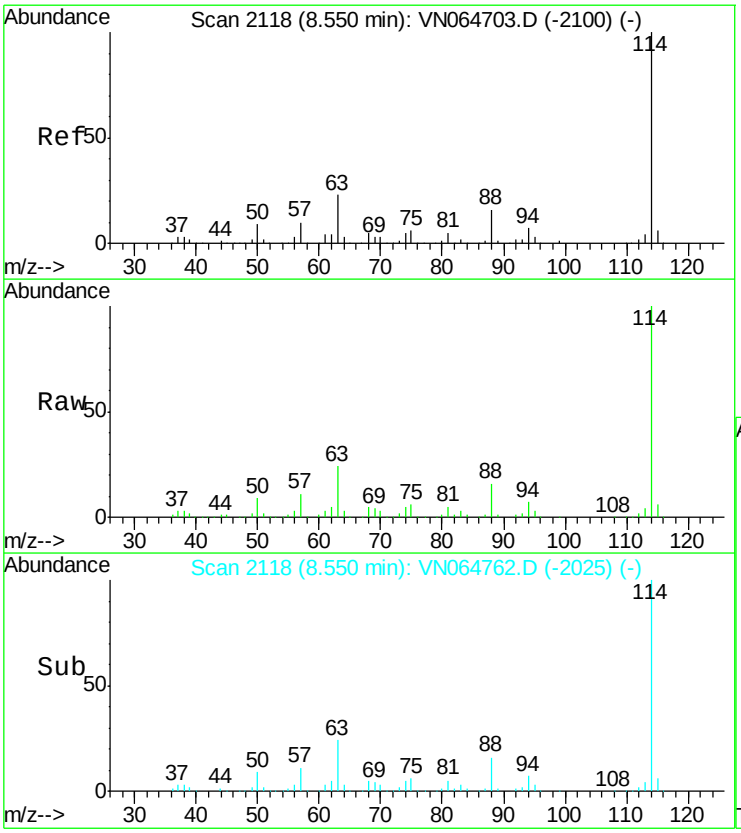

#33
1,2-Dichloroethane-d4
Concen: 54.937 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN064762.D
Acq: 20 Nov 2020 5:55

**Instrument :** MSVOA_N
**ClientSampleId :** 08BR-20201118

Tgt Ion: 65 Resp: 232595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 49.5 | 0.0 | 99.8 |

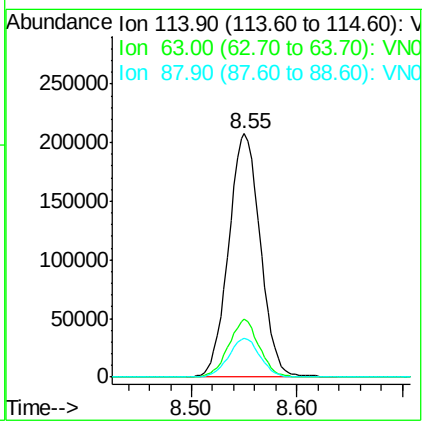


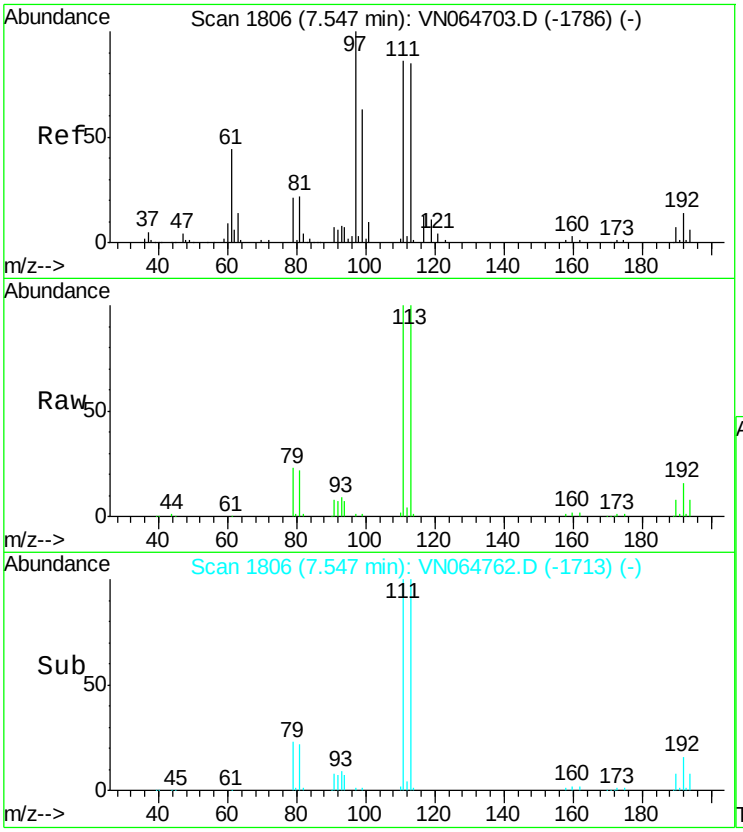




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VN064762.D
Acq: 20 Nov 2020 5:55

Tgt Ion:114 Resp: 431728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 23.7 | 0.0 | 46.0 |
| 88 | 15.8 | 0.0 | 31.2 |



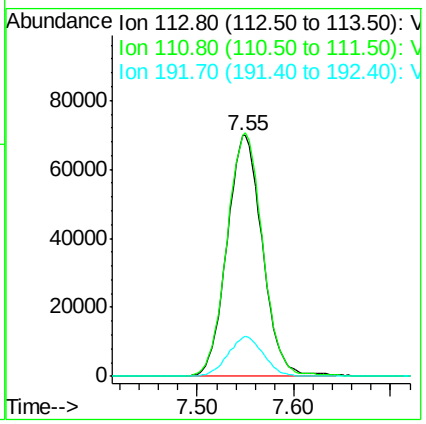


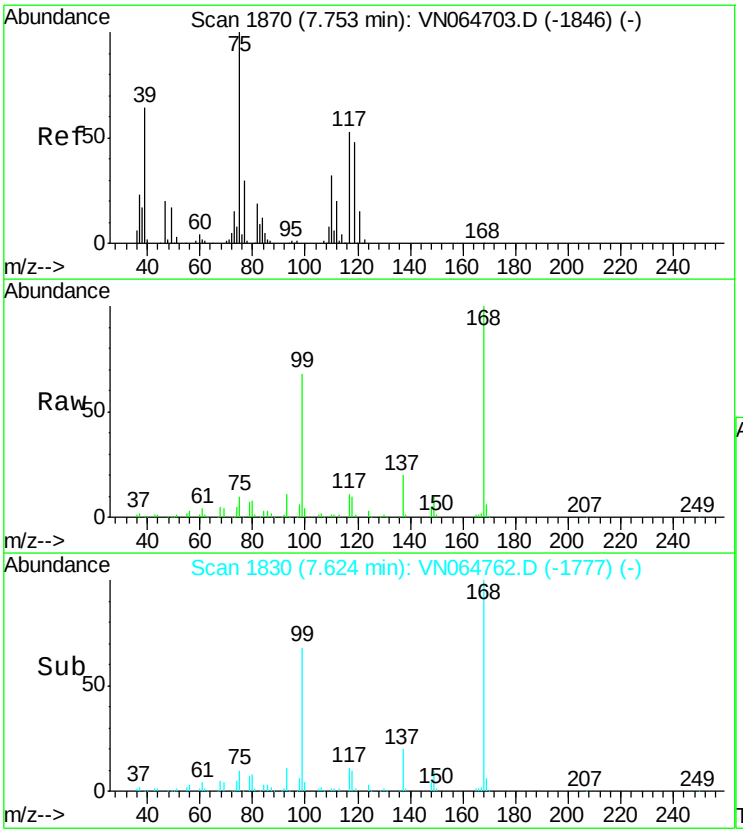

#35
Dibromofluoromethane
Concen: 72.305 ug/l
RT: 7.55 min Scan# 1806
Delta R.T. 0.00 min
Lab File: VN064762.D
Acq: 20 Nov 2020 5:55

**Instrument :**
MSVOA_N
**ClientSampleId :**
08BR-20201118

Tgt Ion:113 Resp: 177673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.1 | 82.2 | 123.4 |
| 192 | 16.5 | 12.7 | 19.1 |

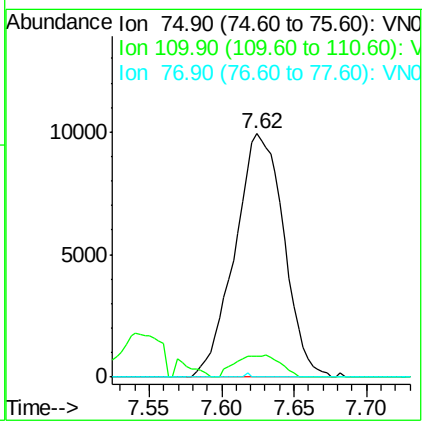


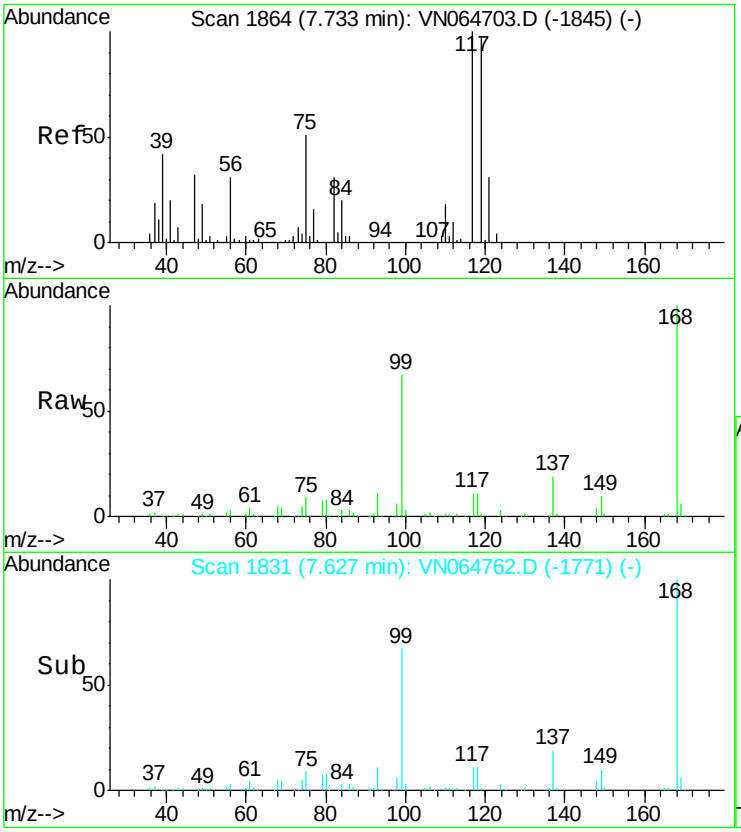




#36
1,1-Dichloropropene
Concen: 5.244 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. -0.13 min
Lab File: VN064762.D
Acq: 20 Nov 2020 5:55

Tgt Ion: 75 Resp: 23291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 4.4 | 16.2 | 48.6# |
| 77 | 0.1 | 24.4 | 36.6# |



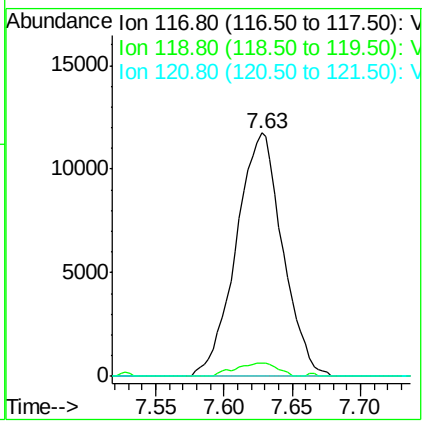


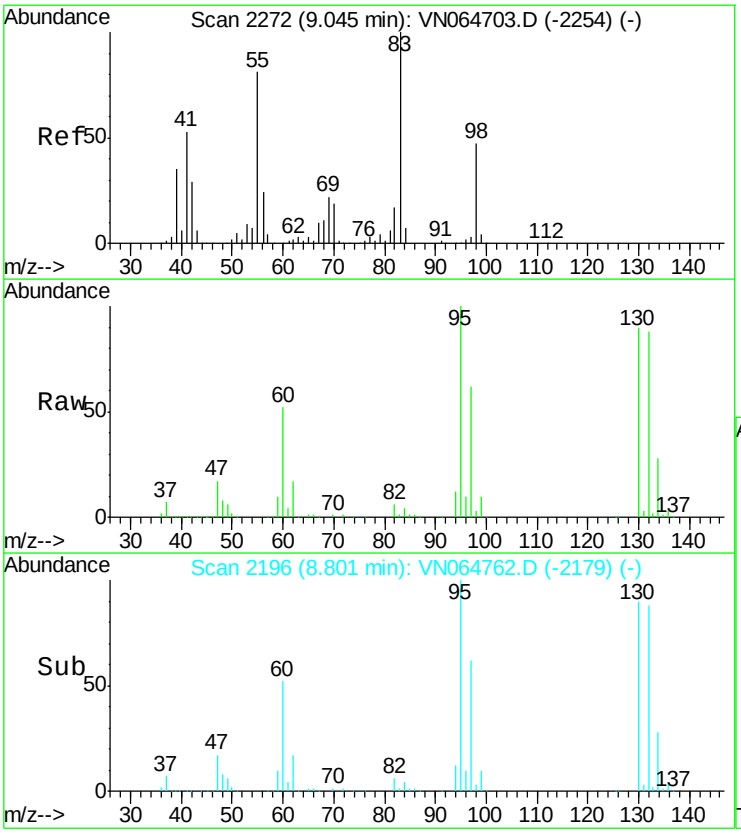

#38
Carbon Tetrachloride
Concen: 5.879 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN064762.D
Acq: 20 Nov 2020 5:55

**Instrument :** MSVOA_N
**ClientSampleId :** 08BR-20201118

Tgt Ion:117 Resp: 27753

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 5.6 | 77.8 | 116.6# |
| 121 | 0.0 | 24.9 | 37.3# |

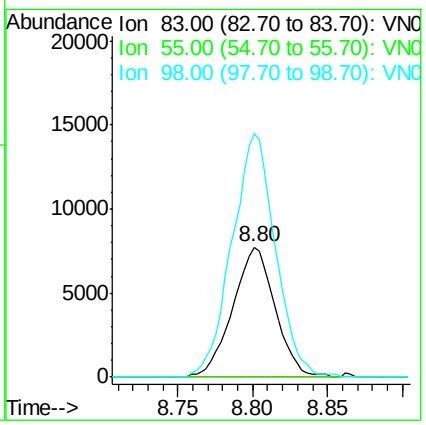


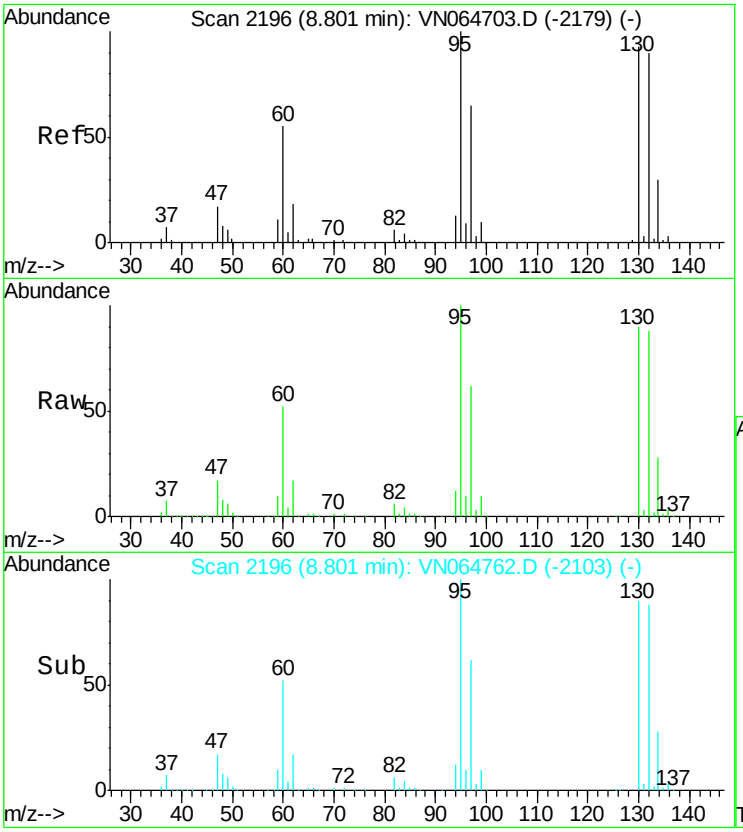




#39
Methylcyclohexane
Concen: 3.876 ug/l
RT: 8.80 min Scan# 2196
Delta R.T. -0.24 min
Lab File: VN064762.D
Acq: 20 Nov 2020 5:55

Tgt Ion: 83 Resp: 15256

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 0.0 | 64.6 | 97.0# |
| 98 | 187.7 | 37.7 | 56.5# |



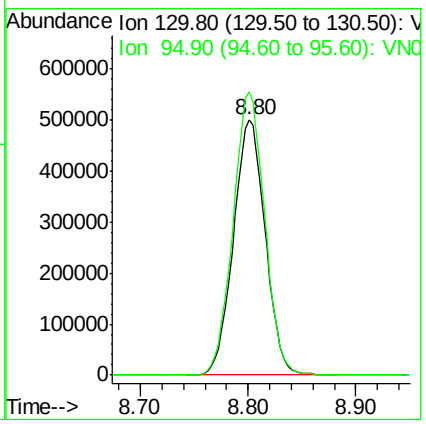


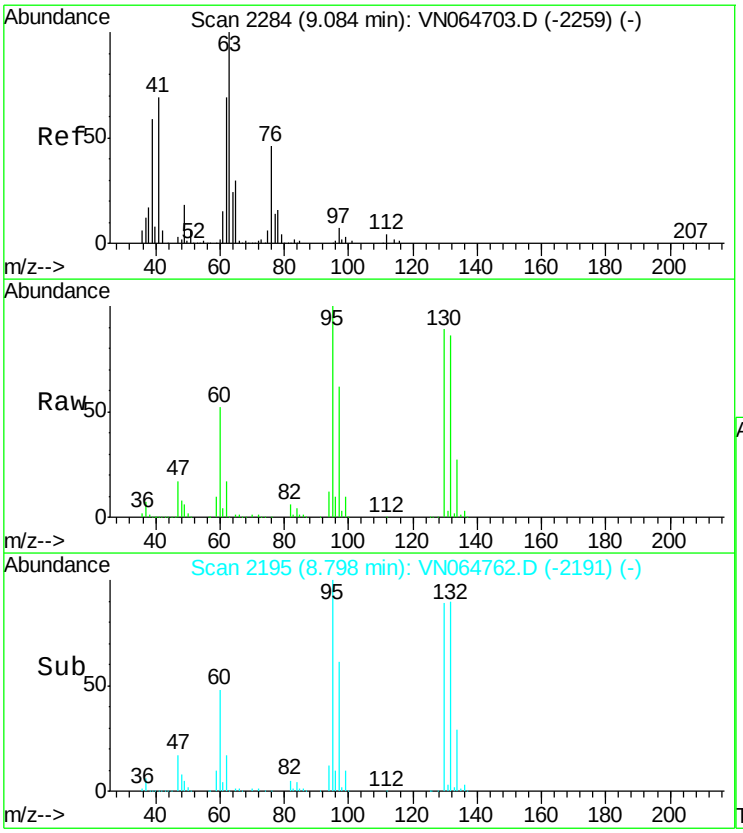

#44
Trichloroethene
Concen: 289.447 ug/l
RT: 8.80 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN064762.D
Acq: 20 Nov 2020 5:55

**Instrument :**
MSVOA_N
**ClientSampleId :**
08BR-20201118

Tgt Ion:130 Resp: 1028027

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 110.7 | 0.0 | 214.2 |

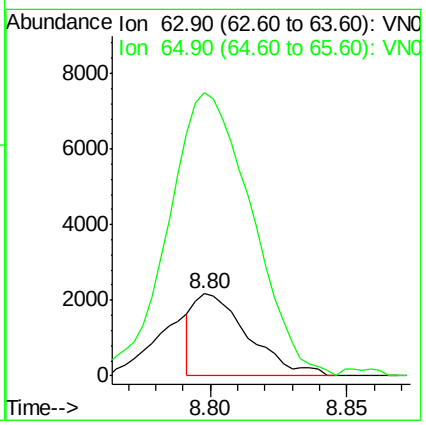


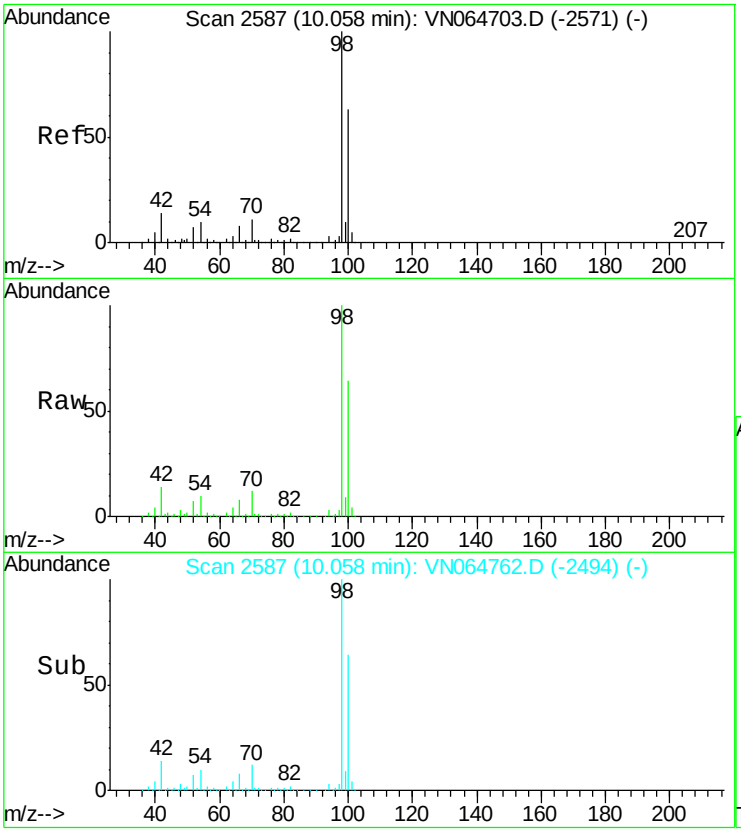




#45
1,2-Dichloropropane
Concen: 0.907 ug/l
RT: 8.80 min Scan# 2195
Delta R.T. -0.29 min
Lab File: VN064762.D
Acq: 20 Nov 2020 5:55

Tgt Ion: 63 Resp: 2992

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 344.1 | 24.0 | 36.0# |



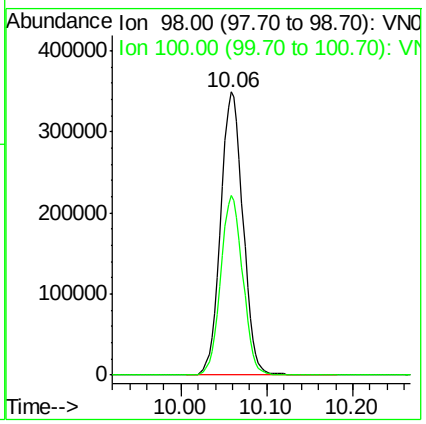


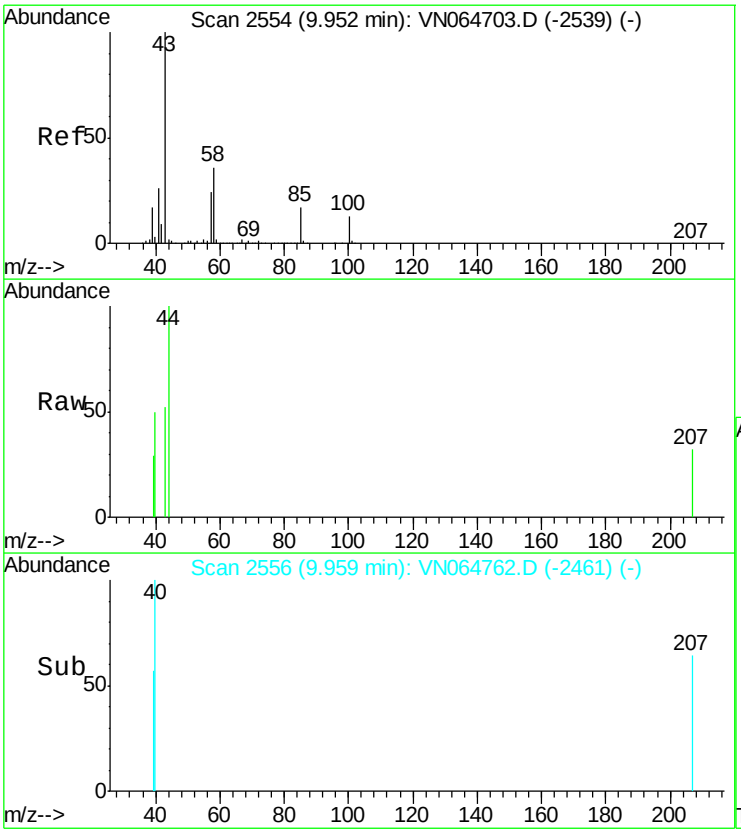

#50
Toluene-d8
Concen: 56.422 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064762.D
Acq: 20 Nov 2020 5:55

**Instrument :** MSVOA_N
**ClientSampleId :** 08BR-20201118

Tgt Ion: 98 Resp: 630122

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 63.0 | 50.4 | 75.6 |

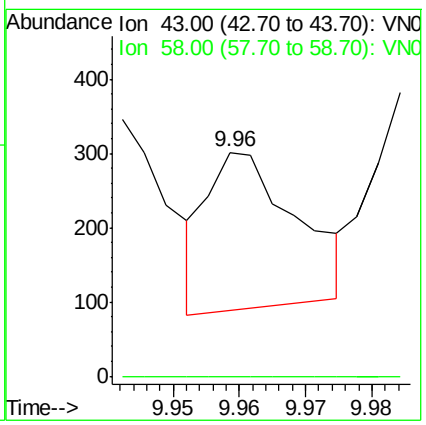


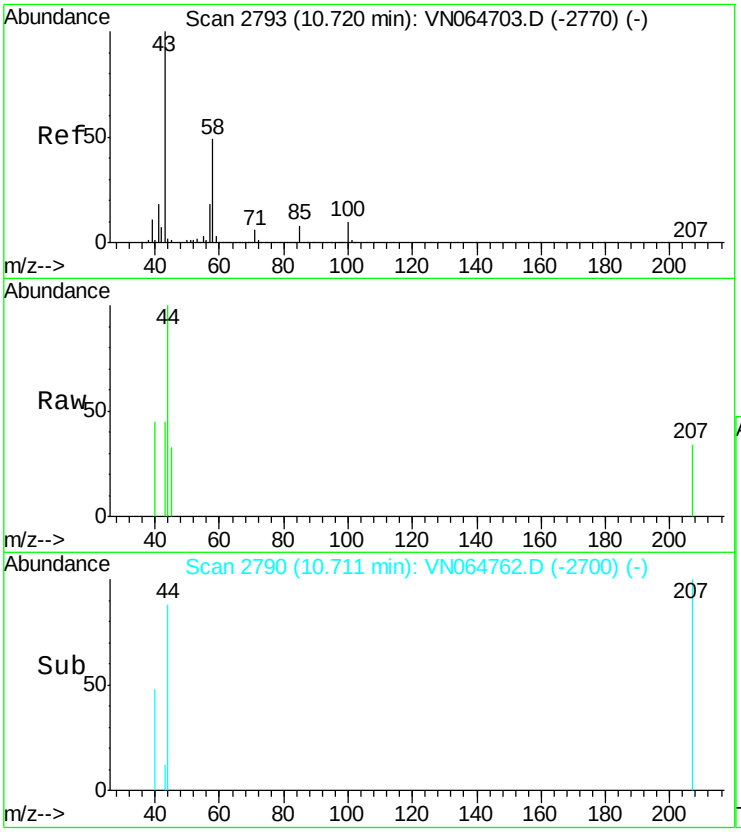




#51
4-Methyl-2-Pentanone
Concen: 6.174 ug/l
RT: 9.96 min Scan# 2556
Delta R.T. 0.01 min
Lab File: VN064762.D
Acq: 20 Nov 2020 5:55

Tgt Ion: 43 Resp: 198

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 0.0 | 28.5 | 42.7# |



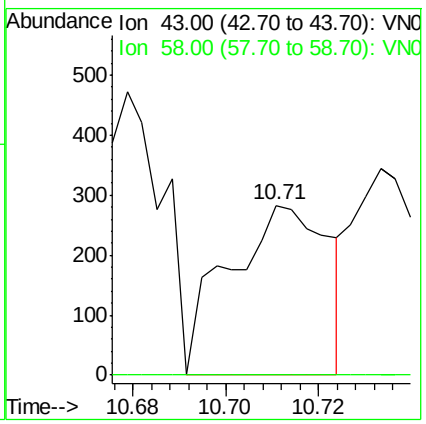


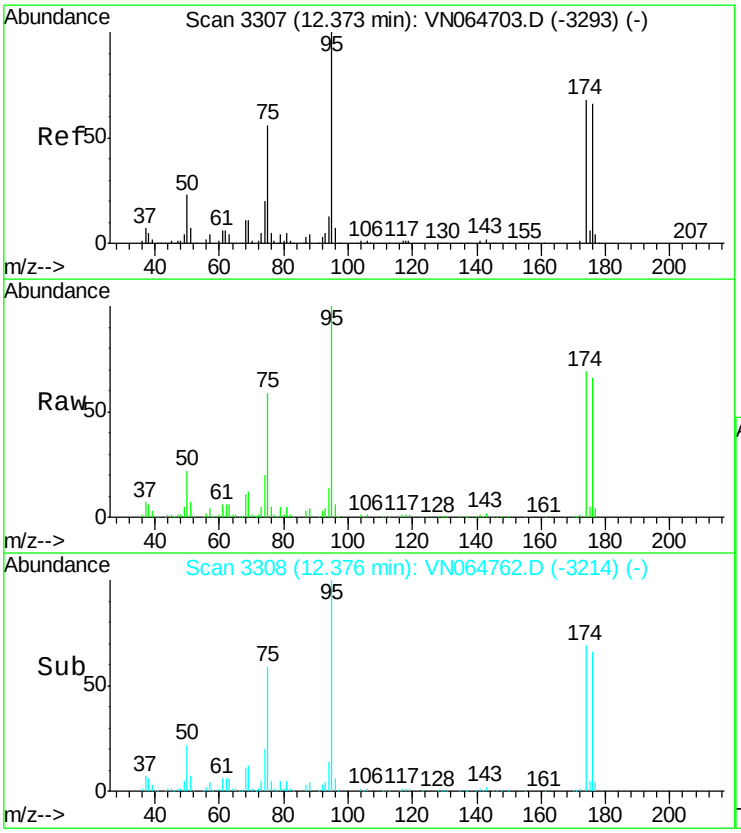

#59
2-Hexanone
Concen: 8.567 ug/l
RT: 10.71 min Scan# 2790
Delta R.T. -0.01 min
Lab File: VN064762.D
Acq: 20 Nov 2020 5:55

**Instrument :** MSVOA_N
**ClientSampleId :** 08BR-20201118

Tgt Ion: 43 Resp: 422

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 0.0 | 24.4 | 73.4# |

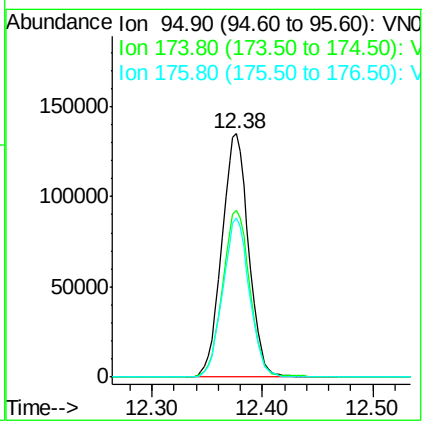


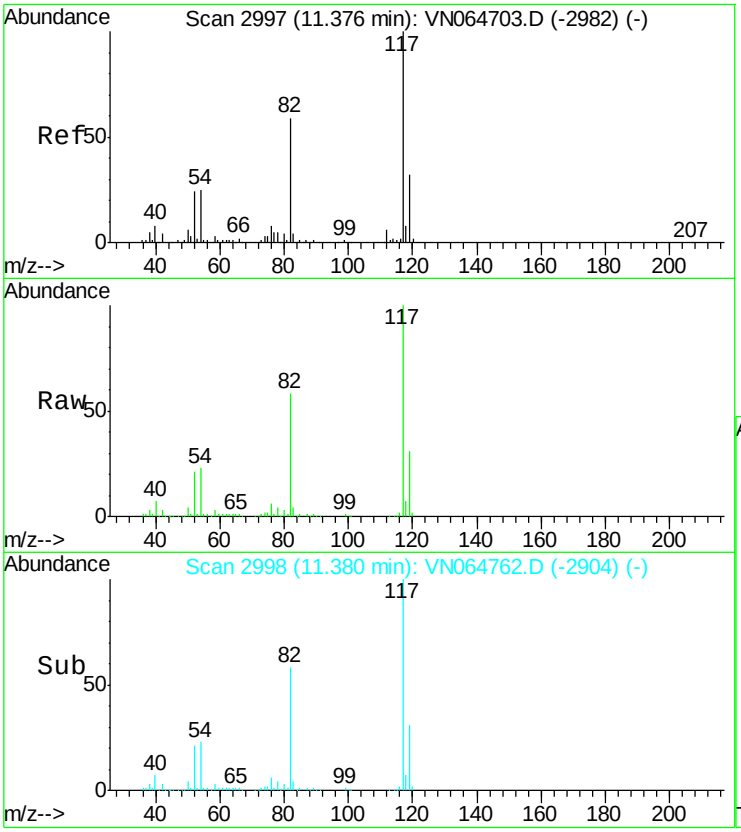




#62
4-Bromofluorobenzene
Concen: 54.404 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064762.D
Acq: 20 Nov 2020 5:55

Tgt Ion: 95 Resp: 227100

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 69.4 | 0.0 | 136.8 |
| 176 | 65.0 | 0.0 | 134.2 |



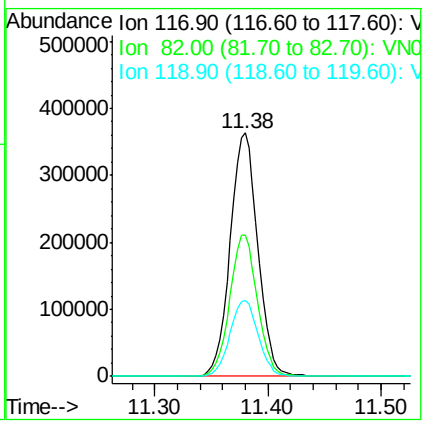


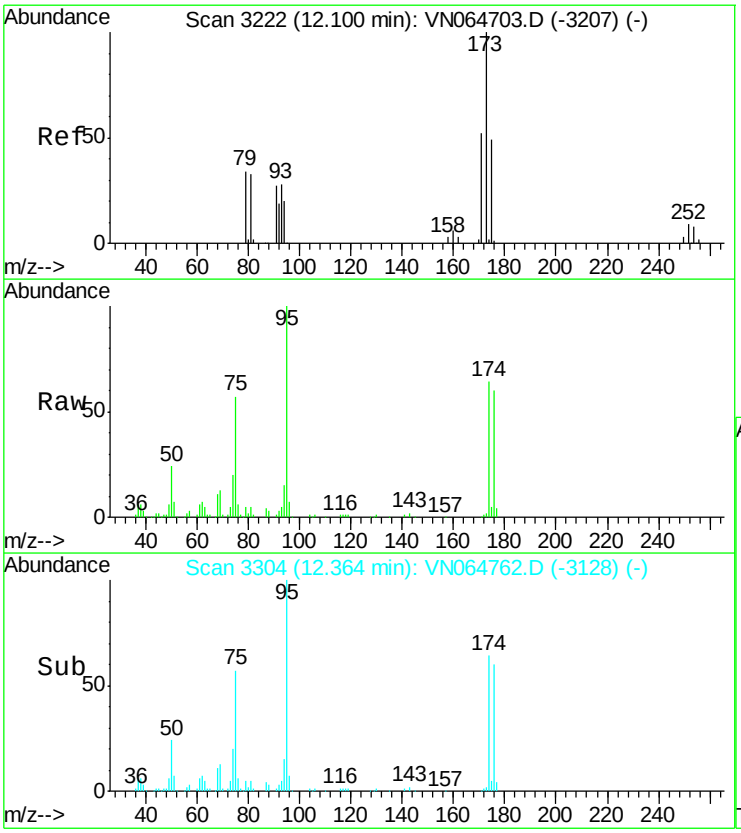

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064762.D
Acq: 20 Nov 2020 5:55

**Instrument :**
MSVOA_N
**ClientSampleId :**
08BR-20201118

Tgt Ion:117 Resp: 617268

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 58.1 | 47.0 | 70.6 |
| 119 | 30.9 | 25.4 | 38.2 |

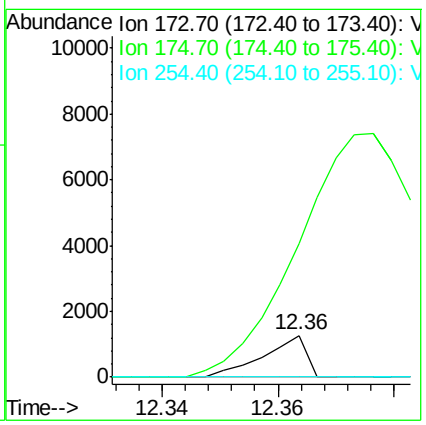


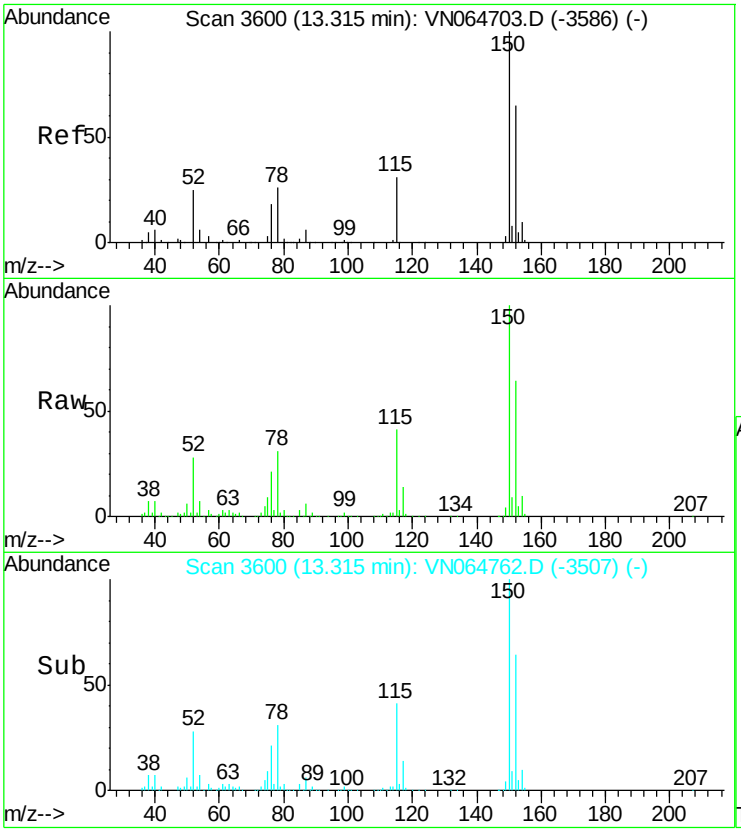




#71
Bromoform
Concen: 2.609 ug/l
RT: 12.36 min Scan# 3304
Delta R.T. 0.26 min
Lab File: VN064762.D
Acq: 20 Nov 2020 5:55

Tgt Ion:173 Resp: 650

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 1596.0 | 24.3 | 72.9# |
| 254 | 0.0 | 0.1 | 0.1# |



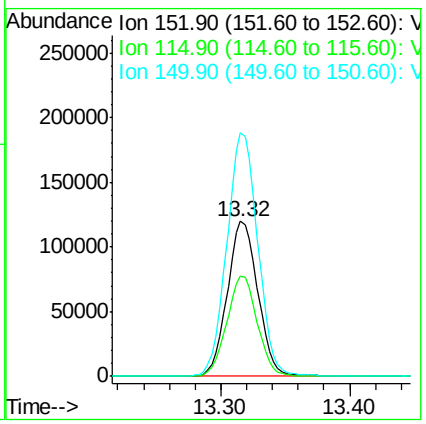


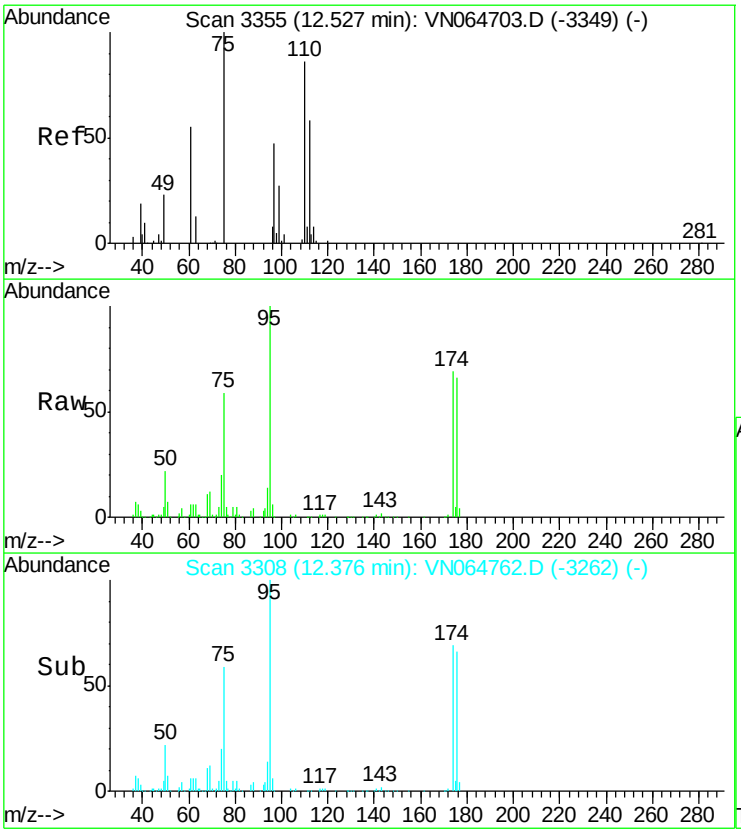

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN064762.D
Acq: 20 Nov 2020 5:55

**Instrument :**
MSVOA_N
**ClientSampleId :**
08BR-20201118

Tgt Ion:152 Resp: 196836

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 64.4 | 32.1 | 96.3 |
| 150 | 159.2 | 0.0 | 344.8 |

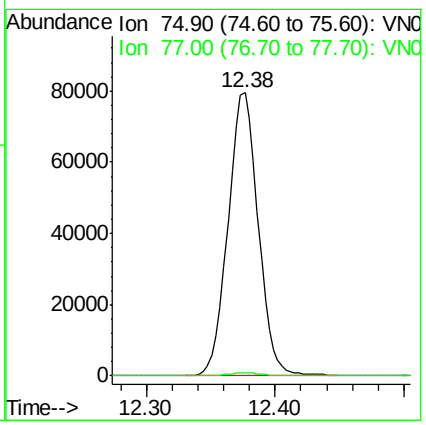


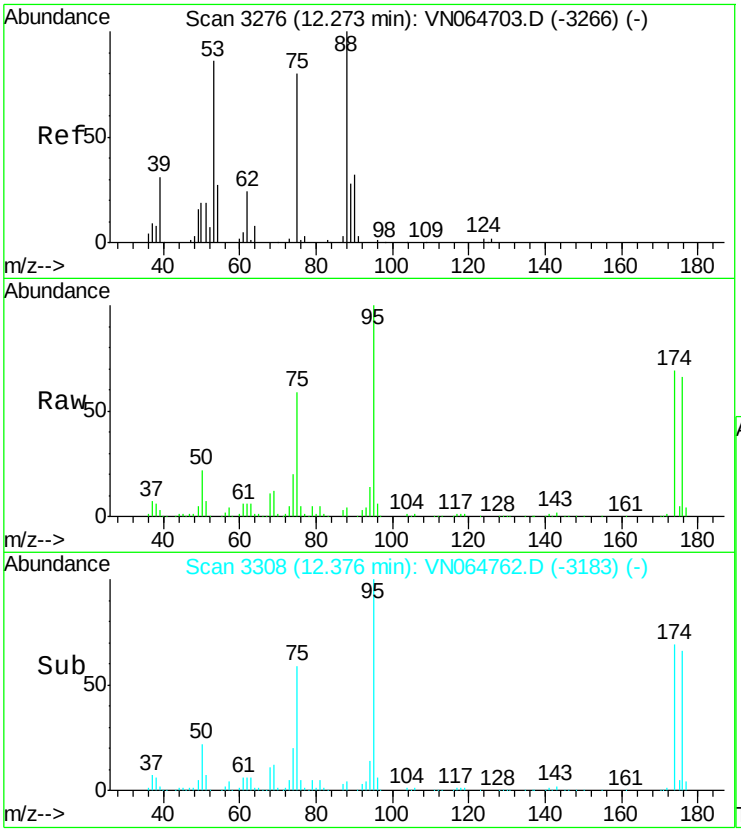




#76
1,2,3-Trichloropropane
Concen: 30.475 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.15 min
Lab File: VN064762.D
Acq: 20 Nov 2020 5:55

Tgt Ion: 75 Resp: 129248

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.3 | 0.0 | 0.0# |






#81
trans-1,4-Dichloro-2-butene
Concen: 77.662 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.10 min
Lab File: VN064762.D
Acq: 20 Nov 2020 5:55

**Instrument :**
MSVOA_N
**ClientSampleId :**
08BR-20201118

Tgt Ion: 75 Resp: 129248

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.1 | 88.8 | 133.2# |
| 89 | 0.0 | 43.1 | 64.7# |