Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100520\
Data File : VN063884.D
Acq On : 5 Oct 2020 20:32
Operator : JC/MD
Sample : L4219-08
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** CL-01-100120

Quant Time: Oct 06 01:41:07 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 01:46:38 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 7.63 | 168 | 219405 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.55 | 114 | 413565 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.38 | 117 | 430906 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.32 | 152 | 168140 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 7.99 | 65 | 191294 | 52.77 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 105.54% | | | |
| 35) Dibromofluoromethane | 7.55 | 113 | 137695 | 47.98 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 95.96% | | | |
| 50) Toluene-d8 | 10.06 | 98 | 531989 | 48.90 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 97.80% | | | |
| 62) 4-Bromofluorobenzene | 12.38 | 95 | 207074 | 50.64 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 101.28% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 11) Tert butyl alcohol | 4.70 | 59 | 135 | 0.337 | ug/l # | 71 |
| 16) Acetone | 3.78 | 43 | 16589 | 14.867 | ug/l | 100 |
| 17) Carbon Disulfide | 4.02 | 76 | 172 | 0.729 | ug/l # | 76 |
| 18) Methyl Acetate | 4.28 | 43 | 1999 | 0.690 | ug/l # | 81 |
| 20) Methylene Chloride | 4.50 | 84 | 14674 | 5.828 | ug/l | 89 |
| 25) 2-Butanone | 6.79 | 43 | 980 | 0.619 | ug/l # | 51 |
| 29) Tetrahydrofuran | 7.18 | 42 | 918 | 0.865 | ug/l # | 51 |
| 31) Cyclohexane | 7.62 | 56 | 5659 | 1.345 | ug/l # | 25 |
| 36) 1,1-Dichloropropene | 7.62 | 75 | 19340 | 4.616 | ug/l # | 46 |
| 38) Carbon Tetrachloride | 7.62 | 117 | 24860 | 5.291 | ug/l # | 13 |
| 41) Methacrylonitrile | 7.17 | 41 | 422 | 0.228 | ug/l # | 24 |
| 43) Isopropyl Acetate | 8.13 | 43 | 59312 | 8.638 | ug/l | 98 |
| 48) Methyl methacrylate | 9.23 | 41 | 84710 | 24.971 | ug/l # | 47 |
| 51) 4-Methyl-2-Pentanone | 9.95 | 43 | 10023 | 2.488 | ug/l # | 87 |
| 54) cis-1,3-Dichloropropene | 9.87 | 75 | 26927 | 5.227 | ug/l # | 65 |
| 56) Ethyl methacrylate | 10.52 | 69 | 2267 | 0.539 | ug/l # | 1 |
| 57) 1,3-Dichloropropane | 10.74 | 76 | 3614 | 0.720 | ug/l # | 43 |
| 59) 2-Hexanone | 10.74 | 43 | 65127 | 21.758 | ug/l # | 54 |
| 74) N-amyl acetate | 12.01 | 43 | 3015 | 2.721 | ug/l # | 48 |
| 76) 1,2,3-Trichloropropane | 12.38 | 75 | 116575 | 31.452 | ug/l # | 100 |
| 81) trans-1,4-Dichloro-2-buten | 12.38 | 75 | 116575 | 90.586 | ug/l # | 6 |
| 95) Naphthalene | 15.11 | 128 | 3523 | 2.298 | ug/l # | 82 |

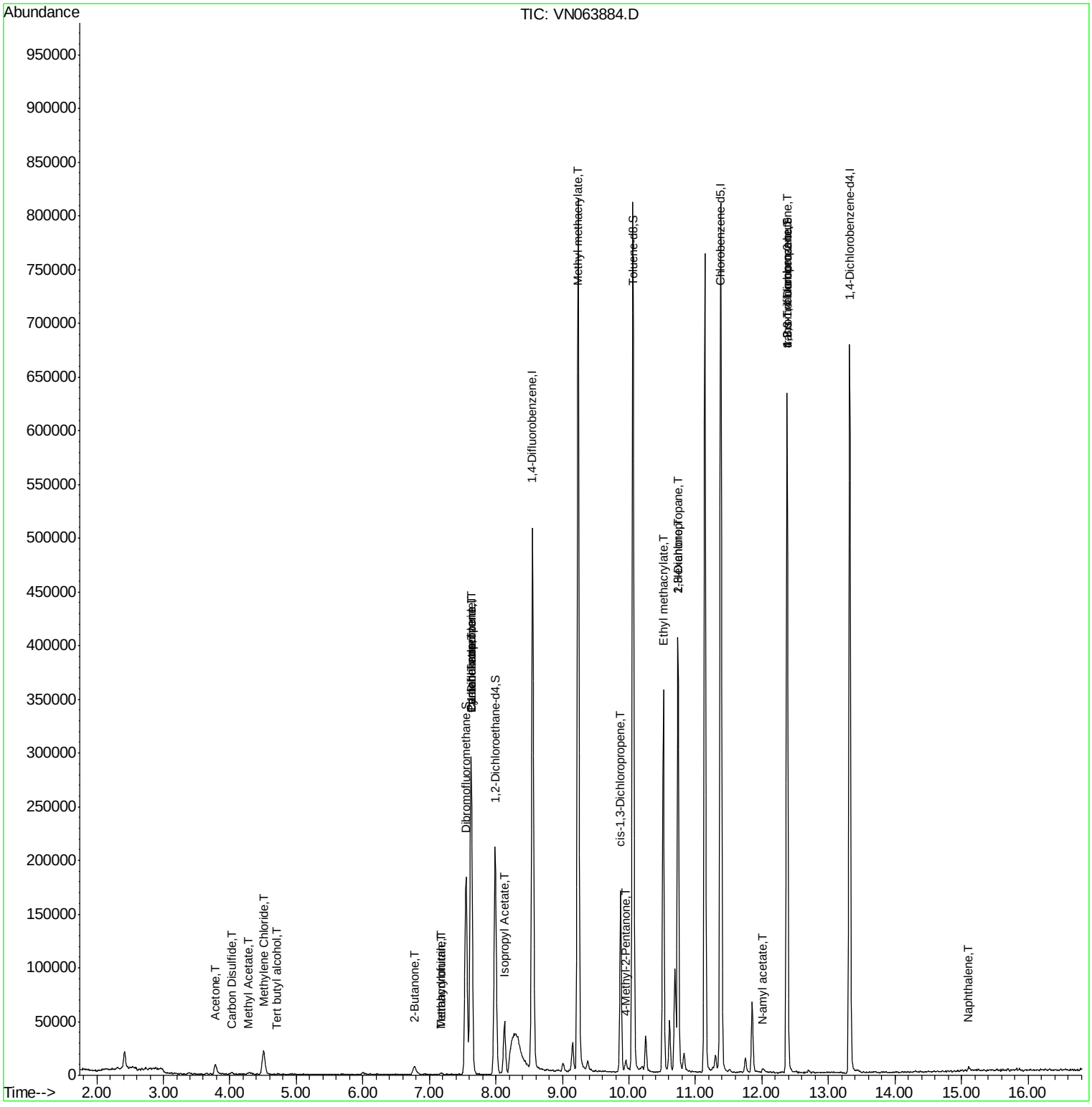
(#) = qualifier out of range (m) = manual integration (+) = signals summed

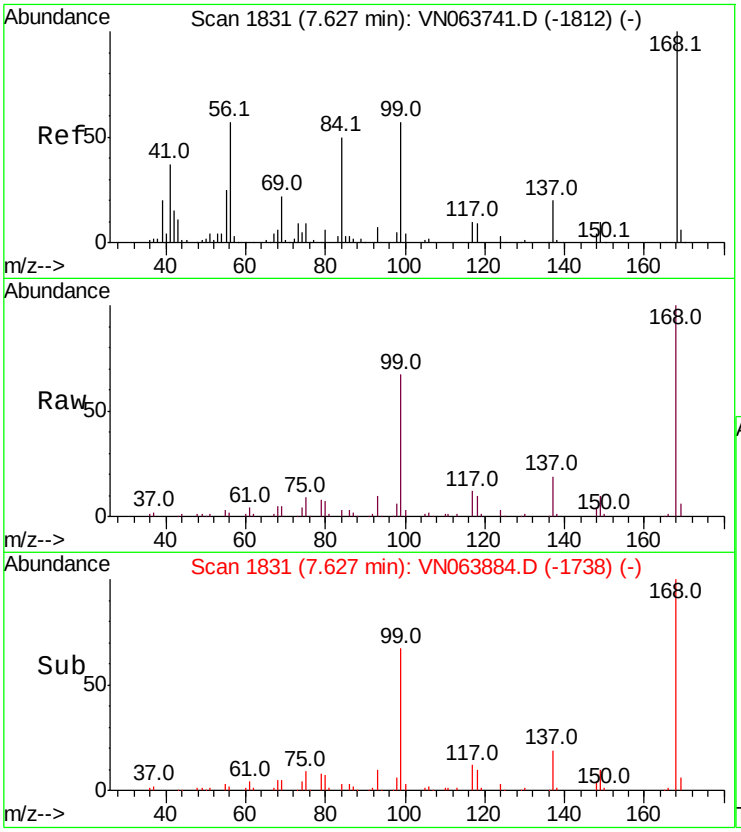
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100520\
Data File : VN063884.D
Acq On : 5 Oct 2020 20:32
Operator : JC/MD
Sample : L4219-08
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** CL-01-100120

Quant Time: Oct 06 01:41:07 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 01:46:38 2020
Response via : Initial Calibration



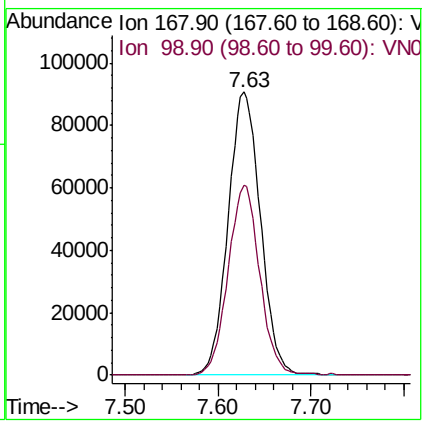


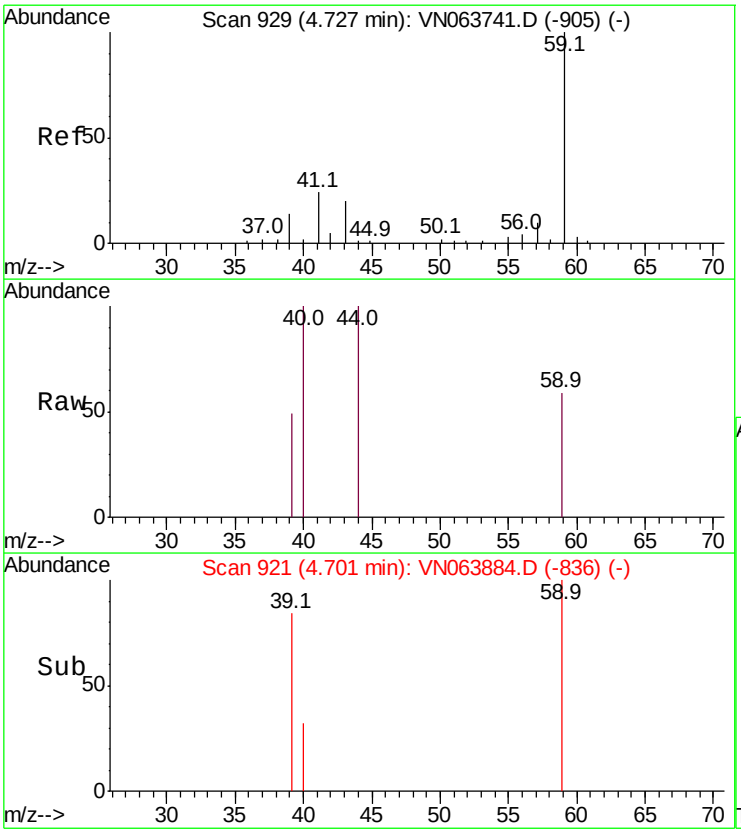

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.00 min
Lab File: VN063884.D
Acq: 5 Oct 2020 20:32

**Instrument :** MSVOA_N
**ClientSampleId :** CL-01-100120

Tgt Ion:168 Resp: 219405

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 67.1 | 51.8 | 77.6 |

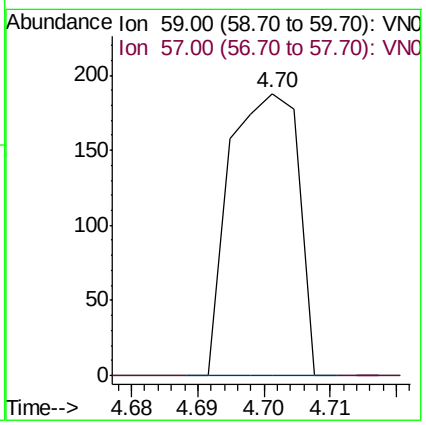


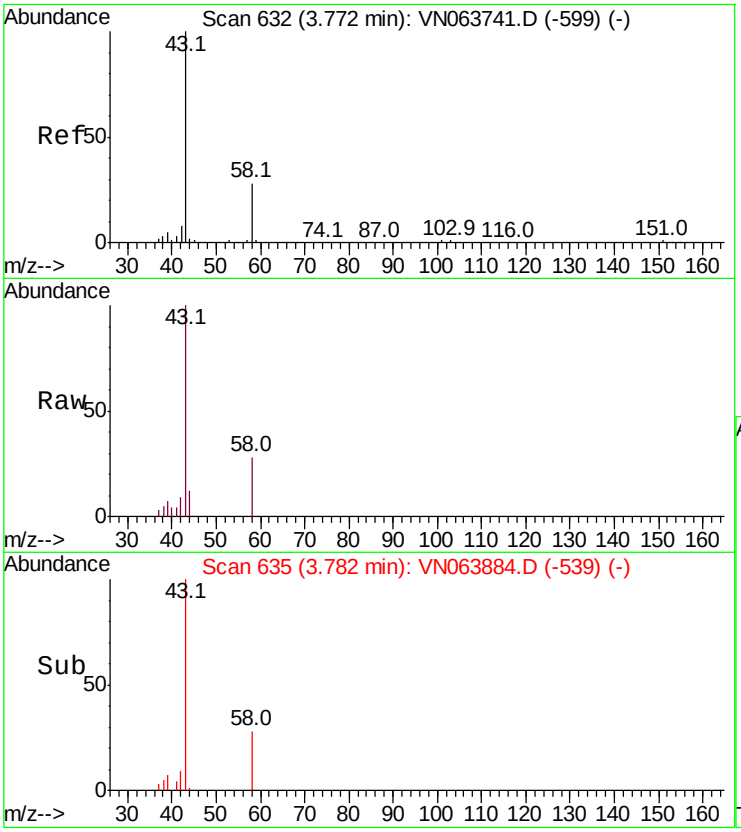




#11
Tert butyl alcohol
Concen: 0.337 ug/l
RT: 4.70 min Scan# 921
Delta R.T. -0.03 min
Lab File: VN063884.D
Acq: 5 Oct 2020 20:32

Tgt Ion: 59 Resp: 135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 0.0 | 8.7 | 13.1# |



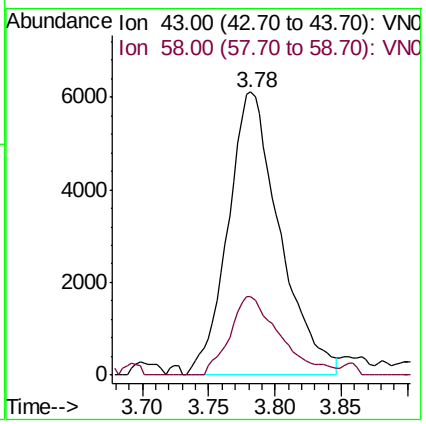


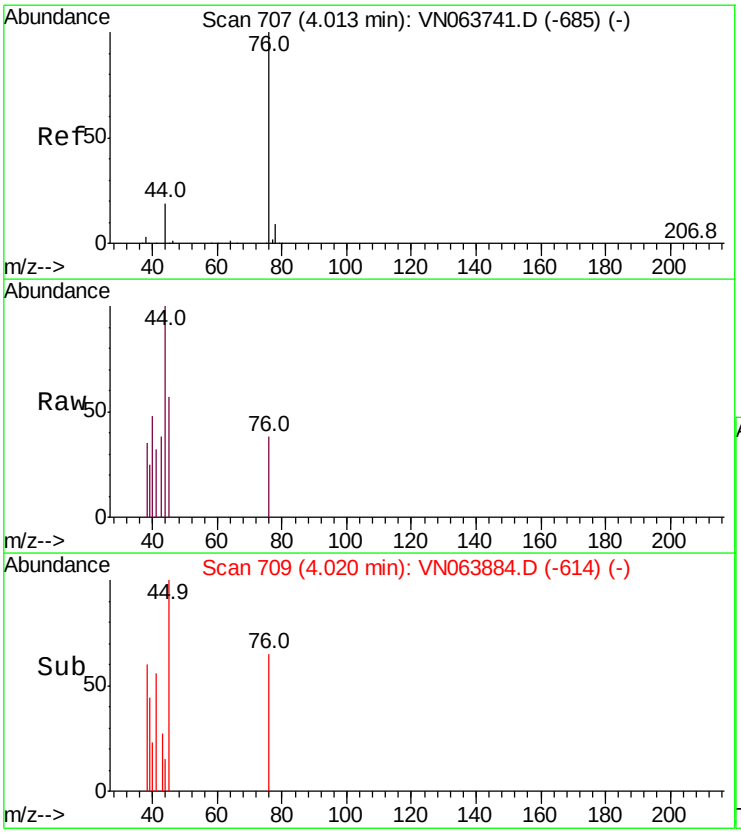

#16
Acetone
Concen: 14.867 ug/l
RT: 3.78 min Scan# 635
Delta R.T. 0.01 min
Lab File: VN063884.D
Acq: 5 Oct 2020 20:32

**Instrument :**
MSVOA_N
**ClientSampleId :**
CL-01-100120

Tgt Ion: 43 Resp: 16589

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 27.7 | 22.3 | 33.5 |

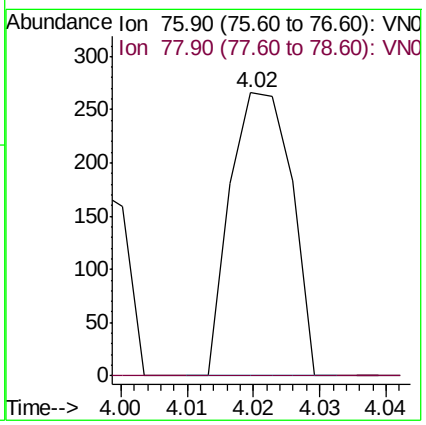


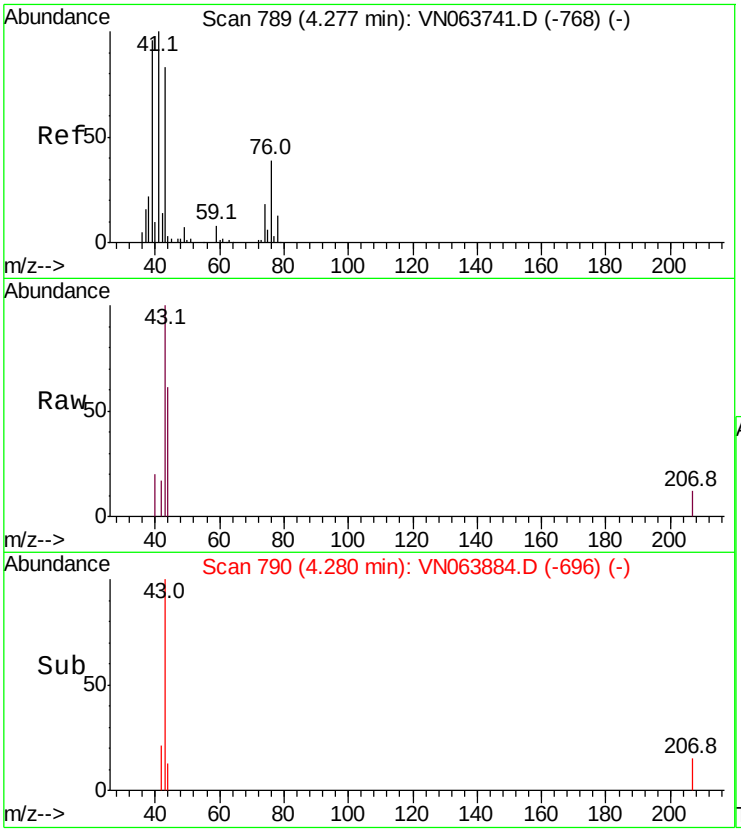




#17
Carbon Disulfide
Concen: 0.729 ug/l
RT: 4.02 min Scan# 709
Delta R.T. 0.01 min
Lab File: VN063884.D
Acq: 5 Oct 2020 20:32

Tgt Ion: 76 Resp: 172

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 0.0 | 7.0 | 10.4# |



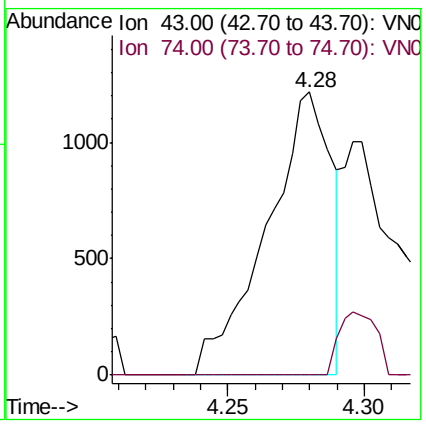


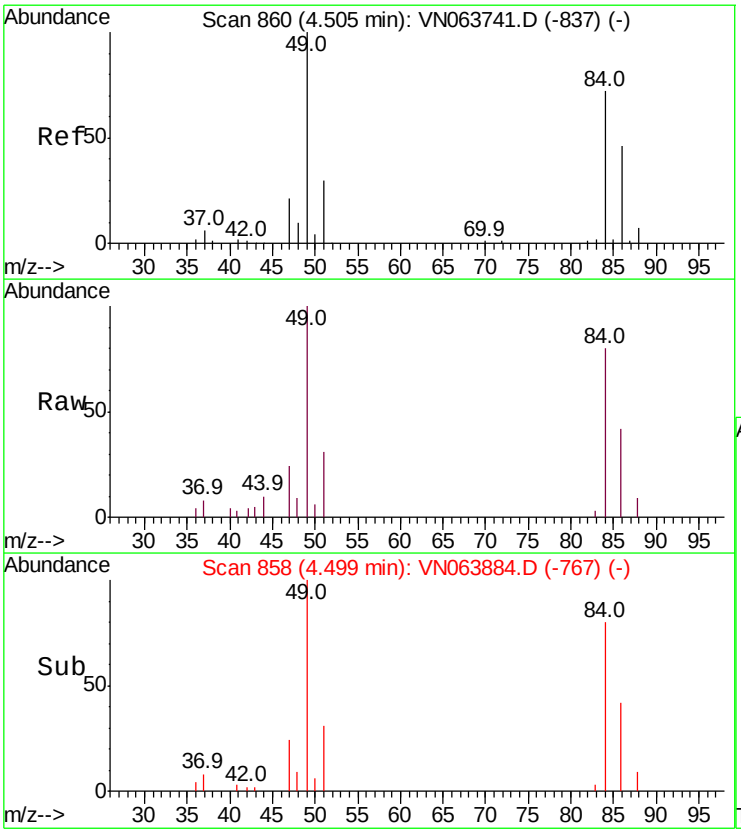

#18
Methyl Acetate
Concen: 0.690 ug/l
RT: 4.28 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN063884.D
Acq: 5 Oct 2020 20:32

**Instrument :** MSVOA_N
**ClientSampleId :** CL-01-100120

Tgt Ion: 43 Resp: 1999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 13.0 | 17.4 | 26.2# |

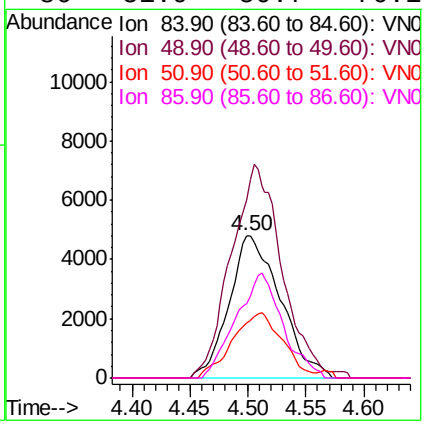


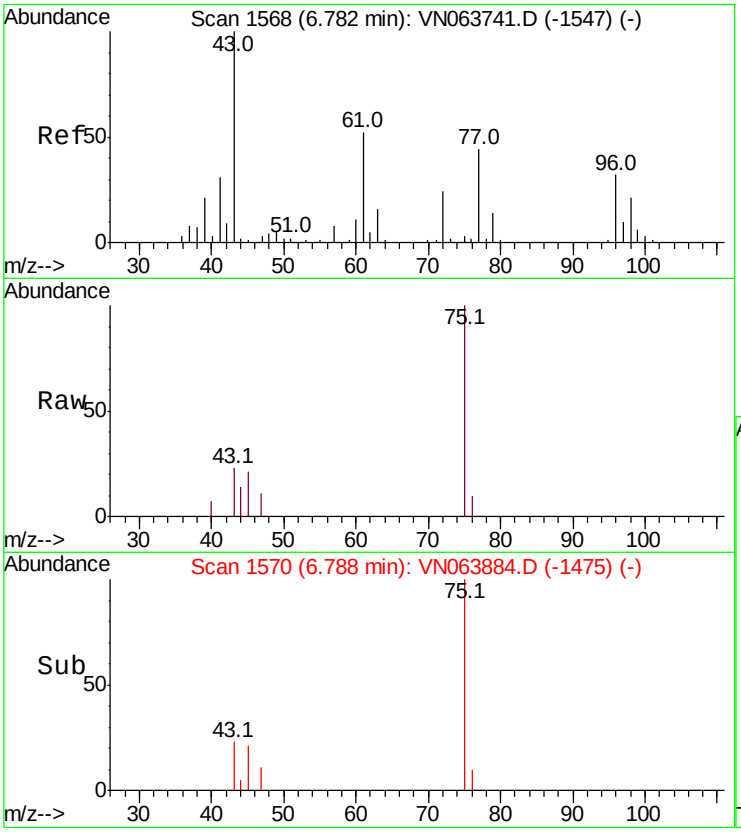




#20
Methylene Chloride
Concen: 5.828 ug/l
RT: 4.50 min Scan# 858
Delta R.T. -0.01 min
Lab File: VN063884.D
Acq: 5 Oct 2020 20:32

Tgt Ion: 84 Resp: 14674

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 124.8 | 110.4 | 165.6 |
| 51 | 38.4 | 33.3 | 49.9 |
| 86 | 51.9 | 50.7 | 76.1 |



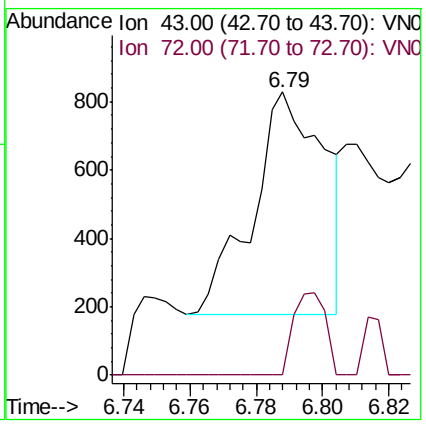


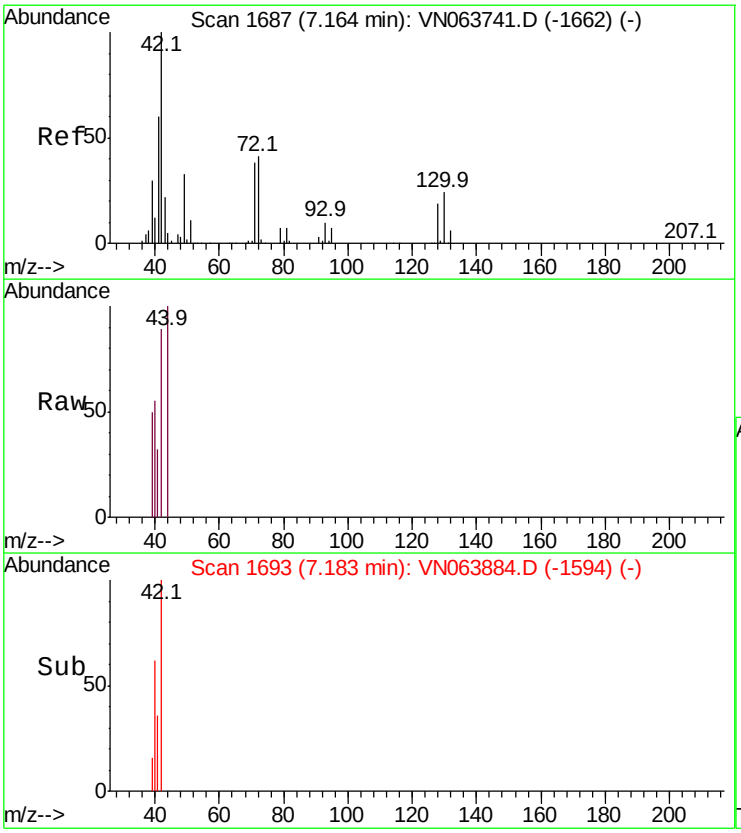

#25
2-Butanone
Concen: 0.619 ug/l
RT: 6.79 min Scan# 1570
Delta R.T. 0.01 min
Lab File: VN063884.D
Acq: 5 Oct 2020 20:32

**Instrument :**
MSVOA_N
**ClientSampleId :**
CL-01-100120

Tgt Ion: 43 Resp: 980

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 0.0 | 19.3 | 28.9# |

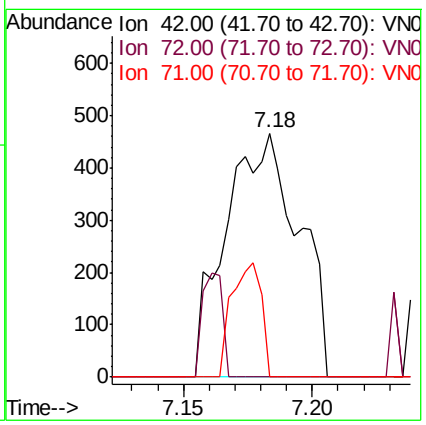


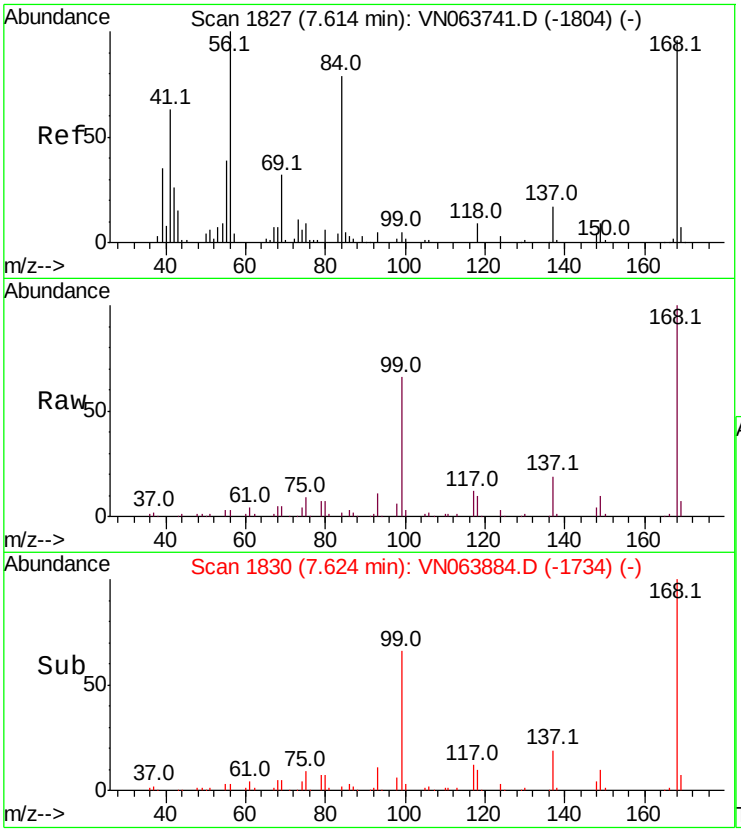




#29
Tetrahydrofuran
Concen: 0.865 ug/l
RT: 7.18 min Scan# 1693
Delta R.T. 0.02 min
Lab File: VN063884.D
Acq: 5 Oct 2020 20:32

Tgt Ion: 42 Resp: 918

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 0.0 | 32.8 | 49.2# |
| 71 | 19.0 | 30.6 | 45.8# |



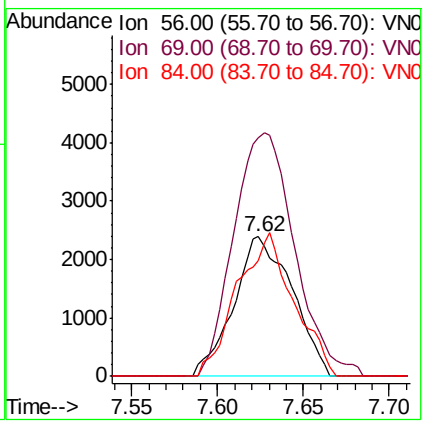


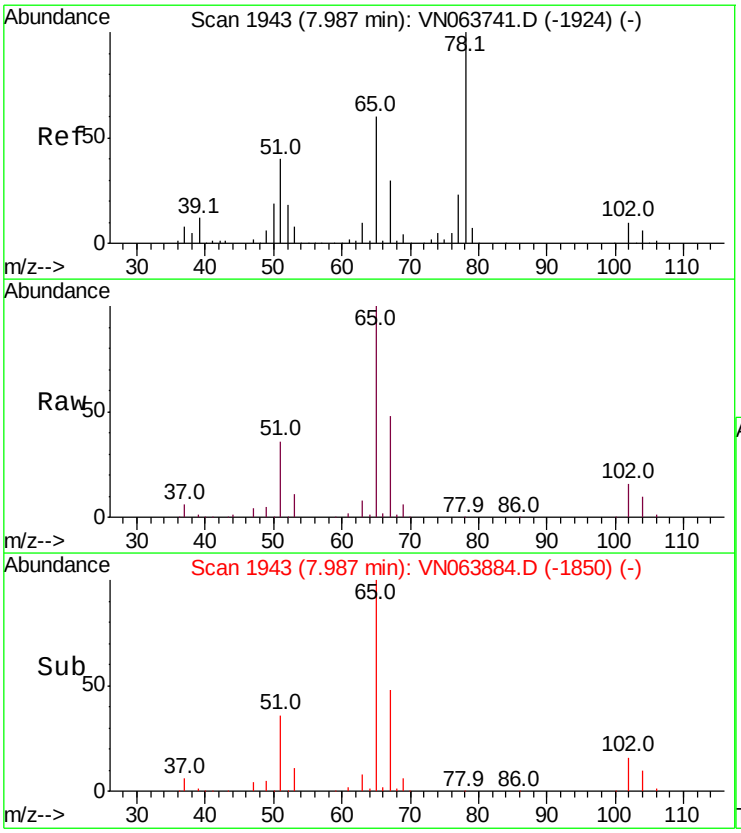

#31
Cyclohexane
Concen: 1.345 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN063884.D
Acq: 5 Oct 2020 20:32

**Instrument :** MSVOA_N
**ClientSampleId :** CL-01-100120

Tgt Ion: 56 Resp: 5659

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 170.8 | 25.4 | 38.2# |
| 84 | 82.7 | 63.3 | 94.9 |

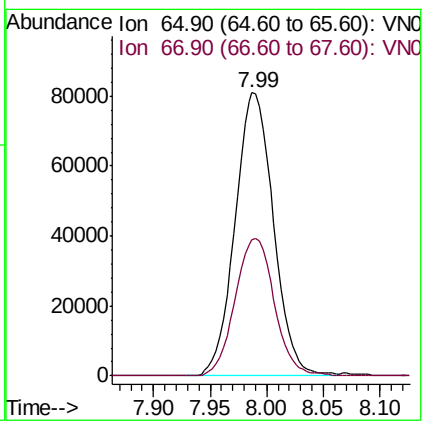


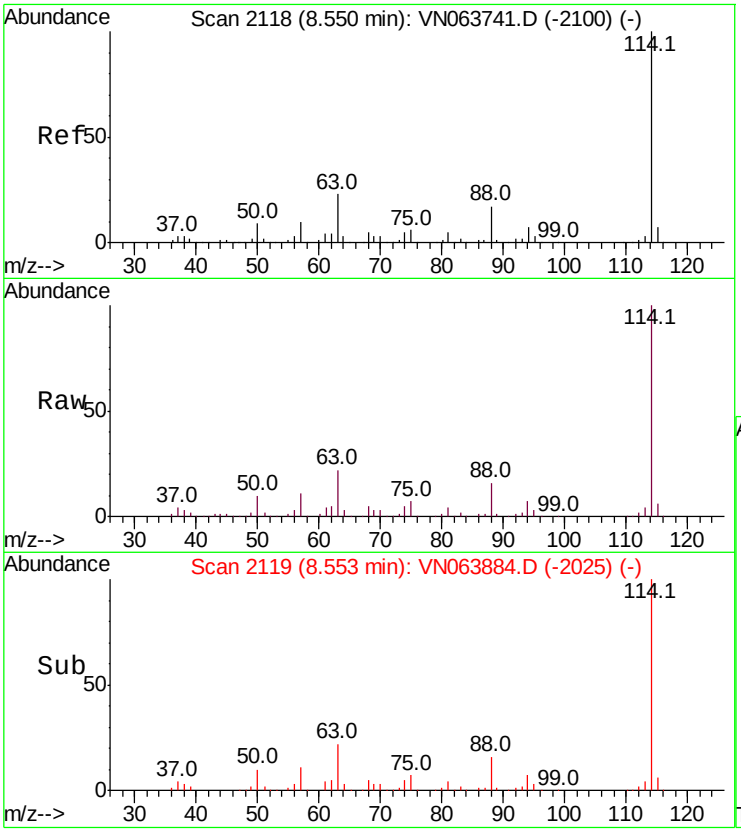




#33
1,2-Dichloroethane-d4
Concen: 52.775 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN063884.D
Acq: 5 Oct 2020 20:32

Tgt Ion: 65 Resp: 191294

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 49.8 | 0.0 | 99.6 |



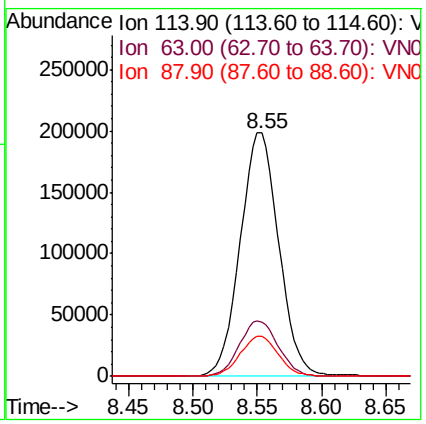


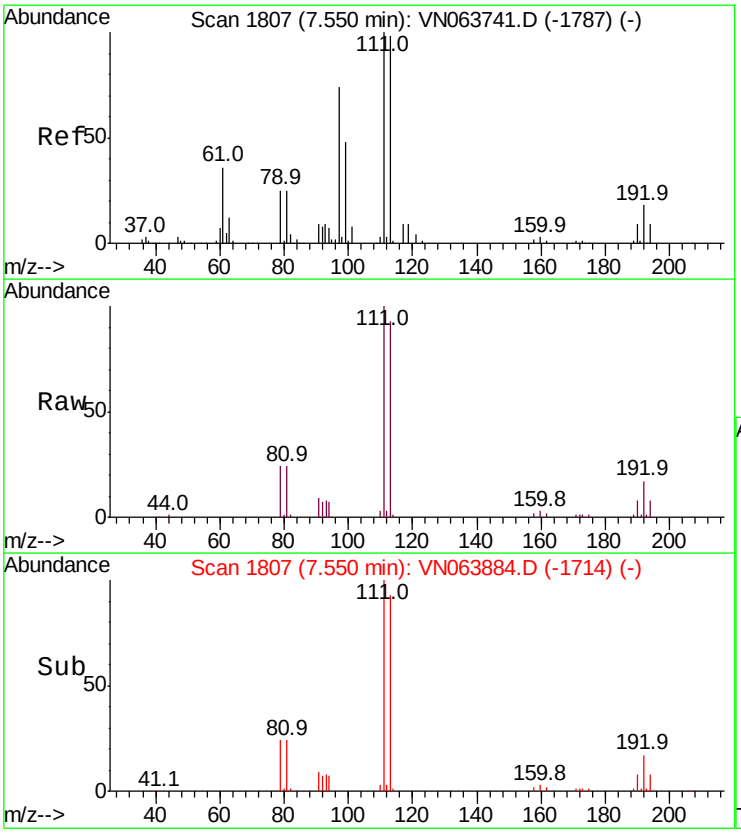

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN063884.D
Acq: 5 Oct 2020 20:32

**Instrument :**
MSVOA_N
**ClientSampleId :**
CL-01-100120

Tgt Ion:114 Resp: 413565

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.3 | 0.0 | 45.0 |
| 88 | 16.3 | 0.0 | 34.0 |

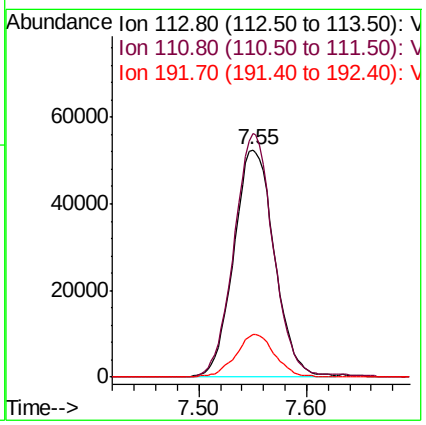


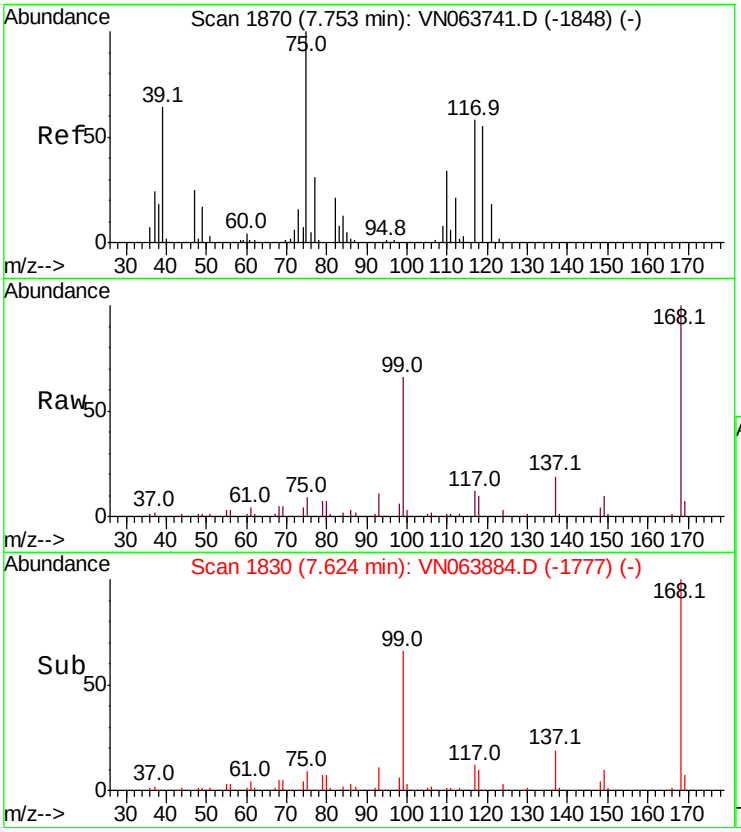




#35
Dibromofluoromethane
Concen: 47.984 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN063884.D
Acq: 5 Oct 2020 20:32

Tgt Ion:113 Resp: 137695

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.4 | 81.8 | 122.8 |
| 192 | 18.1 | 14.2 | 21.2 |



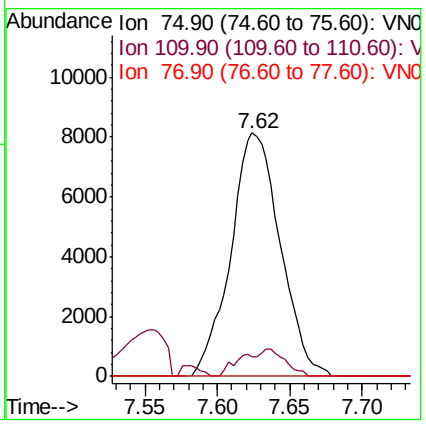


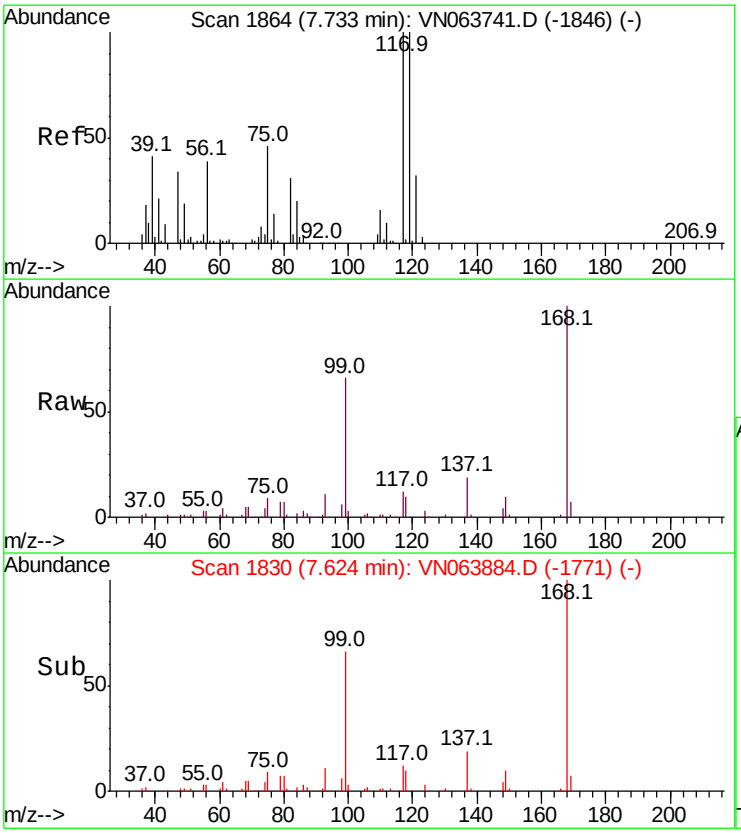

#36
1,1-Dichloropropene
Concen: 4.616 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. -0.13 min
Lab File: VN063884.D
Acq: 5 Oct 2020 20:32

**Instrument :**
MSVOA_N
**ClientSampleId :**
CL-01-100120

Tgt Ion: 75 Resp: 19340

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 4.3 | 16.9 | 50.6# |
| 77 | 0.0 | 24.5 | 36.7# |

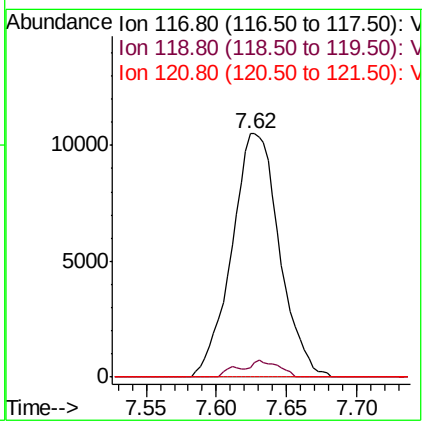


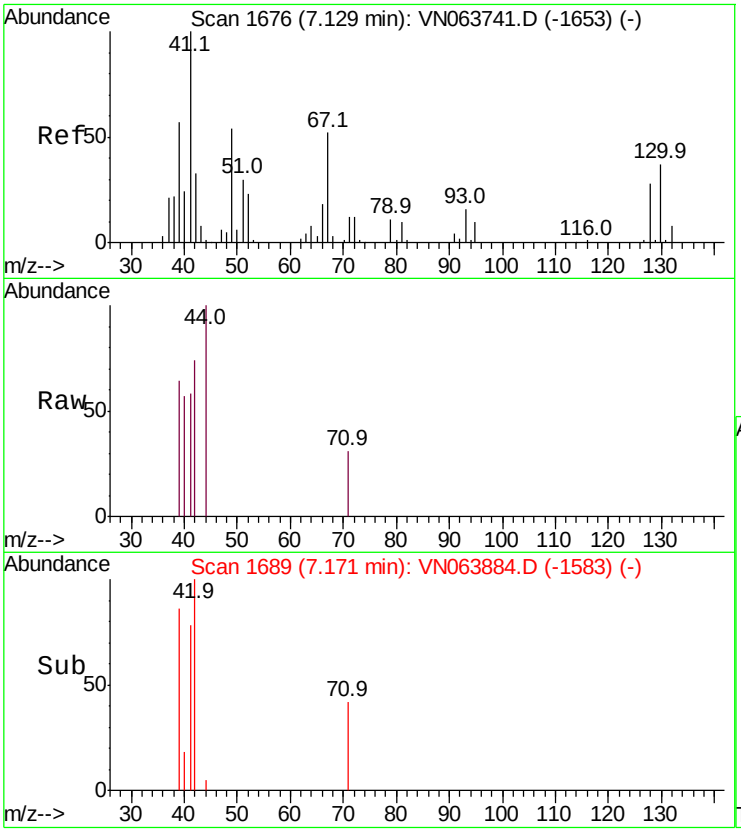




#38
Carbon Tetrachloride
Concen: 5.291 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. -0.11 min
Lab File: VN063884.D
Acq: 5 Oct 2020 20:32

Tgt Ion:117 Resp: 24860

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 4.0 | 80.1 | 120.1# |
| 121 | 0.0 | 25.7 | 38.5# |



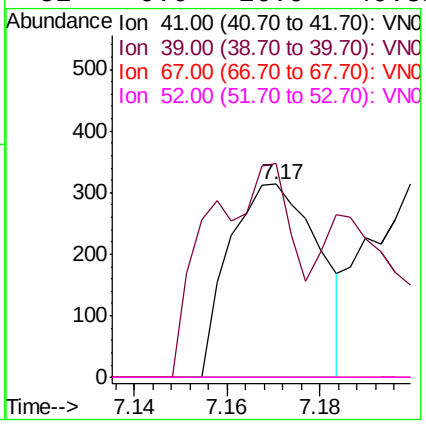


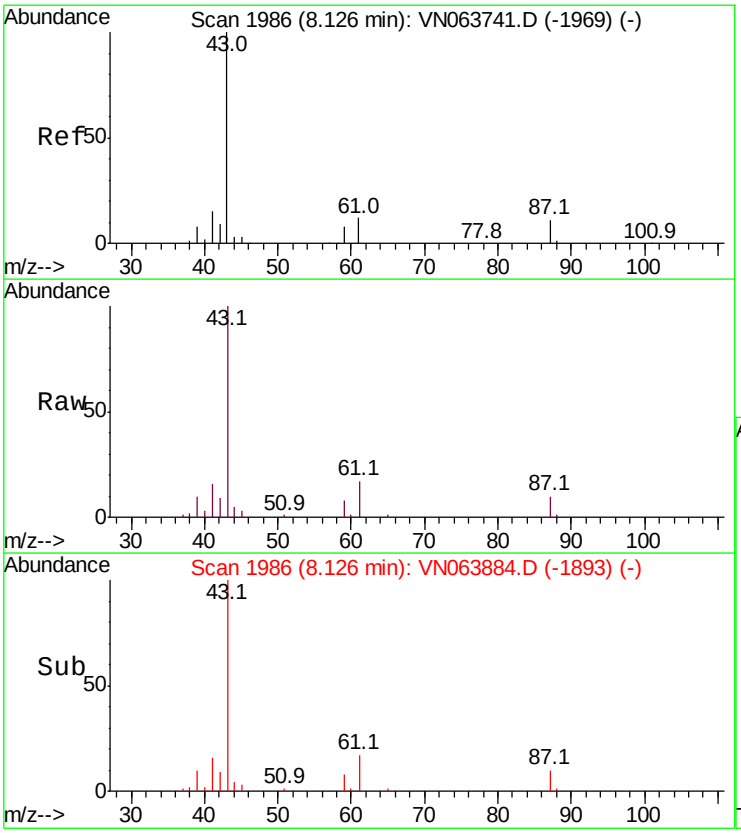

#41
Methacrylonitrile
Concen: 0.228 ug/l
RT: 7.17 min Scan# 1689
Delta R.T. 0.04 min
Lab File: VN063884.D
Acq: 5 Oct 2020 20:32

**Instrument :** MSVOA_N
**ClientSampleId :** CL-01-100120

Tgt Ion: 41 Resp: 422

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 105.7 | 42.5 | 63.7# |
| 67 | 0.0 | 57.4 | 86.2# |
| 52 | 0.0 | 26.9 | 40.3# |

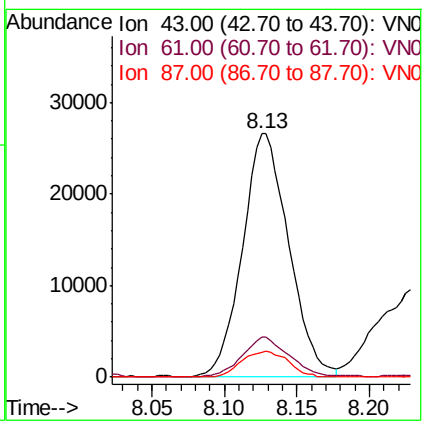


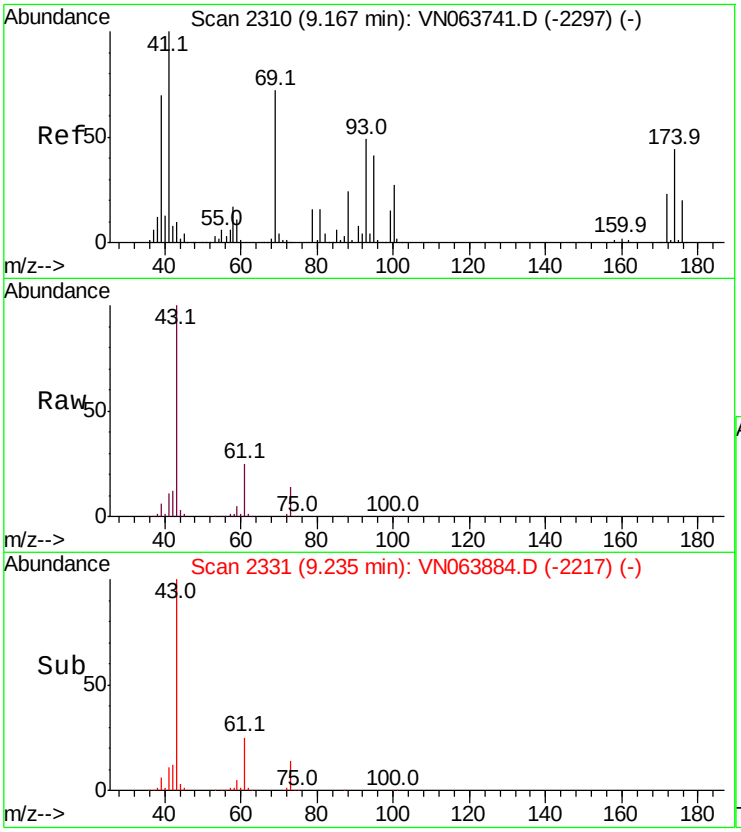




#43
Isopropyl Acetate
Concen: 8.638 ug/l
RT: 8.13 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VN063884.D
Acq: 5 Oct 2020 20:32

Tgt Ion: 43 Resp: 59312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 16.5 | 14.2 | 21.4 |
| 87 | 10.7 | 9.0 | 13.6 |



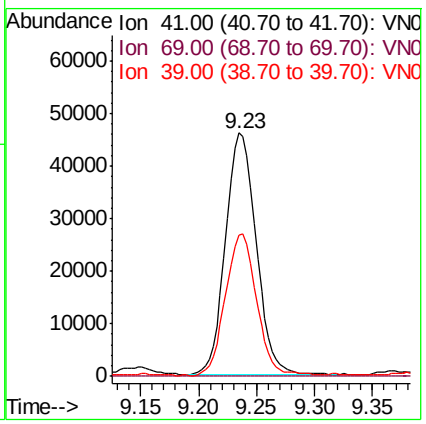


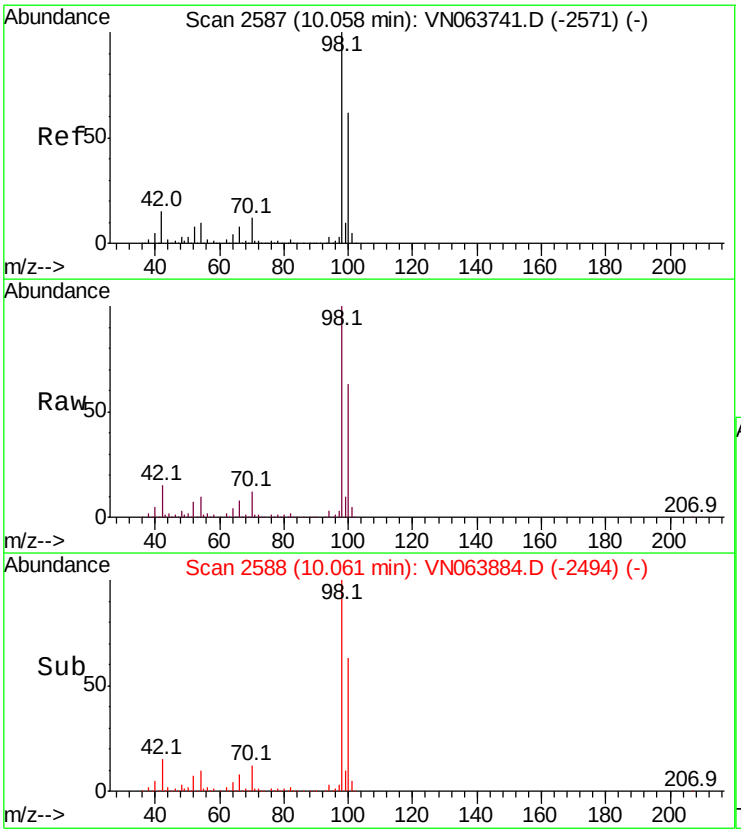

#48
Methyl methacrylate
Concen: 24.971 ug/l
RT: 9.23 min Scan# 2331
Delta R.T. 0.07 min
Lab File: VN063884.D
Acq: 5 Oct 2020 20:32

**Instrument :**
MSVOA_N
**ClientSampleId :**
CL-01-100120

Tgt Ion: 41 Resp: 84710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 0.0 | 60.9 | 91.3# |
| 39 | 58.8 | 57.5 | 86.3 |

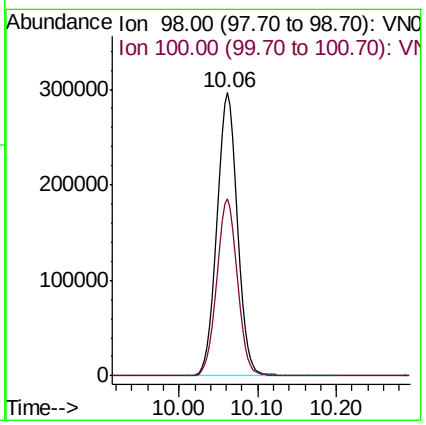


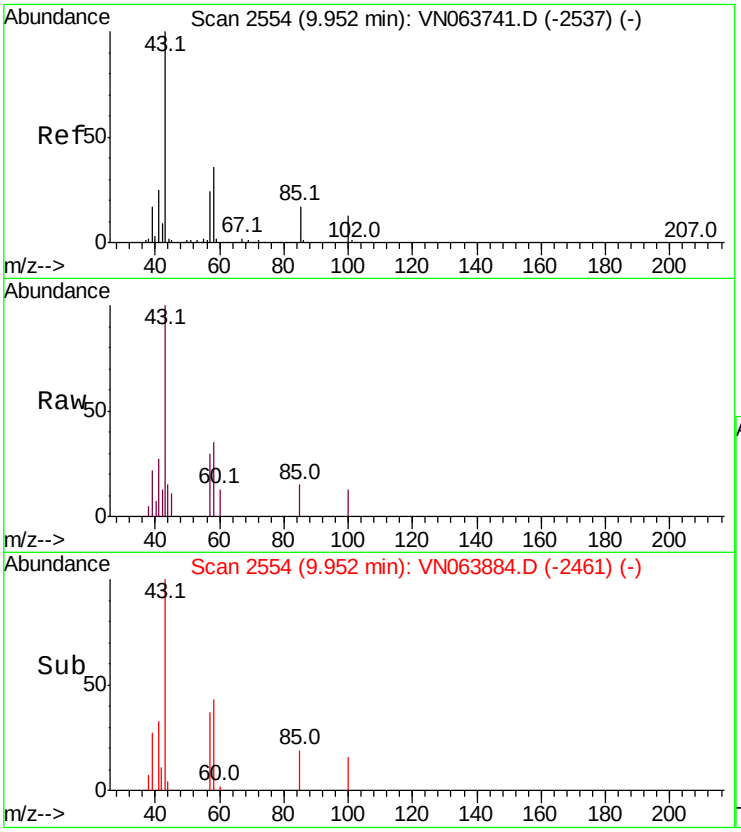




#50
Toluene-d8
Concen: 48.903 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063884.D
Acq: 5 Oct 2020 20:32

Tgt Ion: 98 Resp: 531989

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 62.8 | 49.8 | 74.6 |



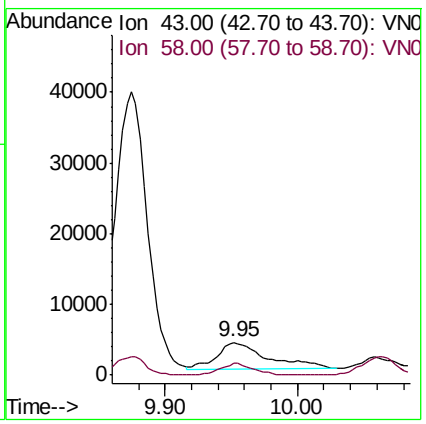


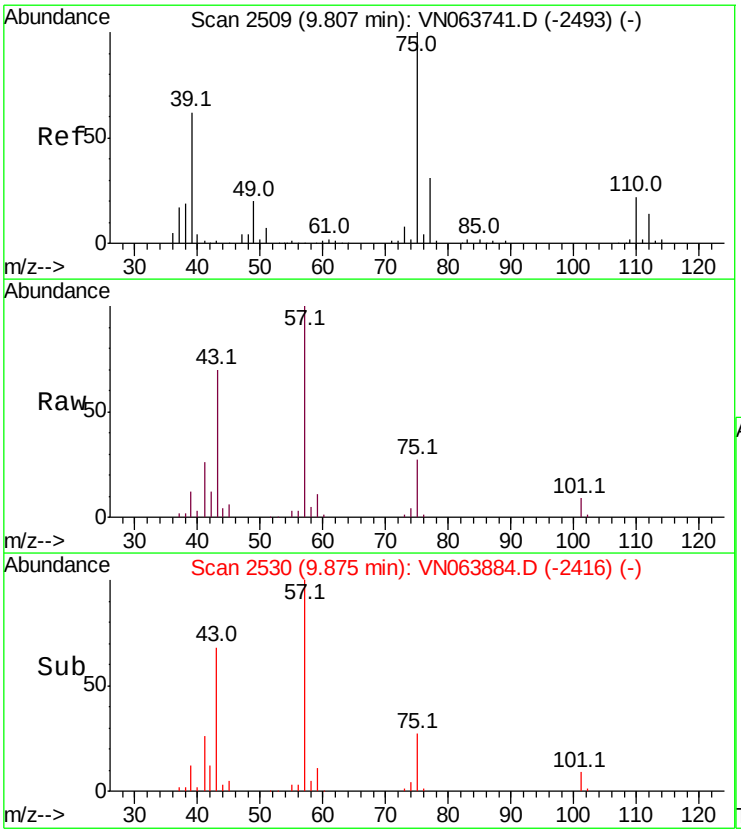

#51
4-Methyl-2-Pentanone
Concen: 2.488 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN063884.D
Acq: 5 Oct 2020 20:32

**Instrument :** MSVOA_N
**ClientSampleId :** CL-01-100120

Tgt Ion: 43 Resp: 10023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 27.9 | 28.4 | 42.6# |

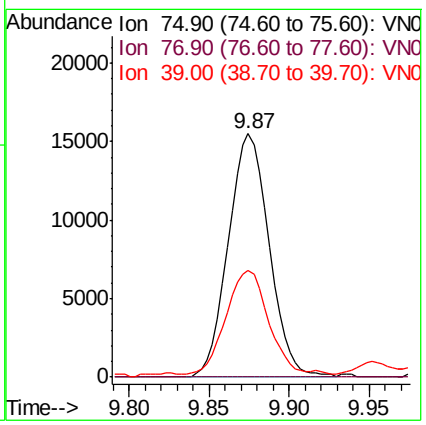


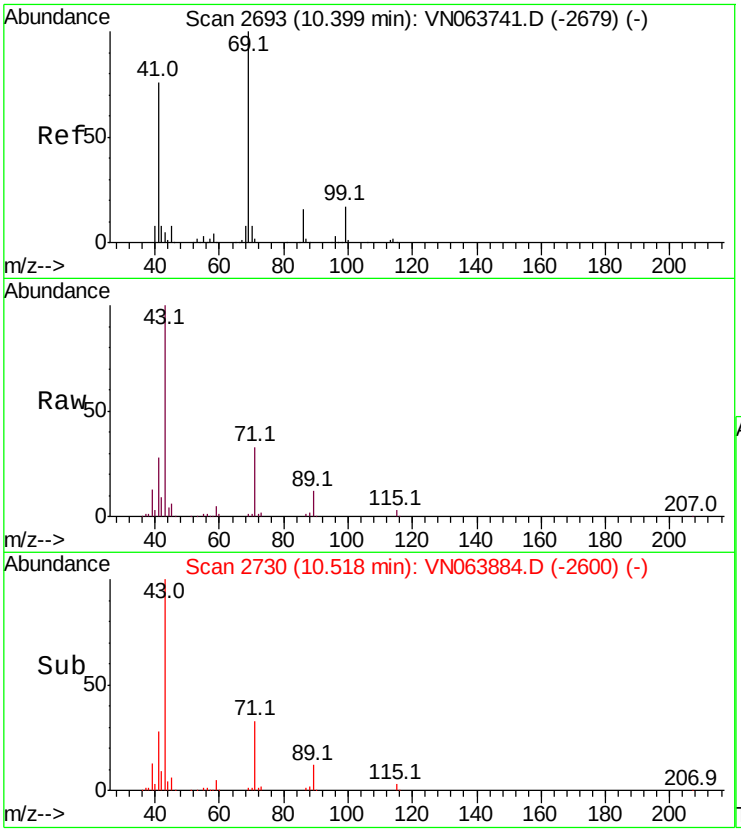




#54
cis-1,3-Dichloropropene
Concen: 5.227 ug/l
RT: 9.87 min Scan# 2530
Delta R.T. 0.07 min
Lab File: VN063884.D
Acq: 5 Oct 2020 20:32

Tgt Ion: 75 Resp: 26927

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 24.6 | 36.8# |
| 39 | 42.9 | 49.7 | 74.5# |



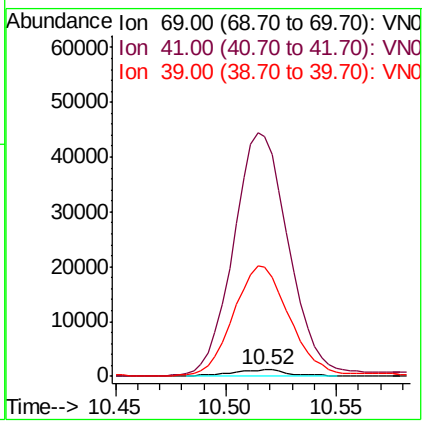


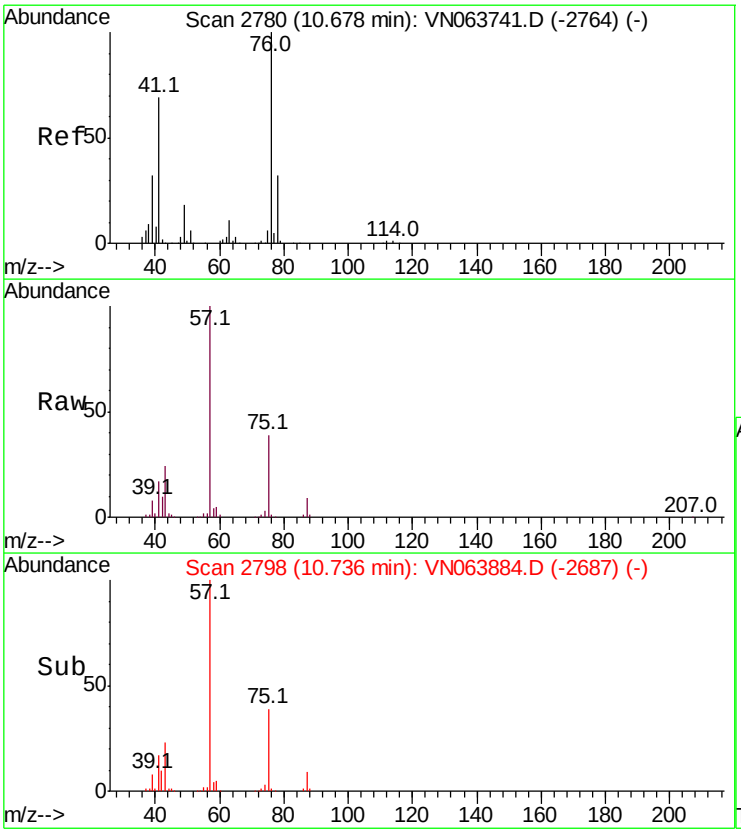

#56
Ethyl methacrylate
Concen: 0.539 ug/l
RT: 10.52 min Scan# 2730
Delta R.T. 0.12 min
Lab File: VN063884.D
Acq: 5 Oct 2020 20:32

**Instrument :** MSVOA_N
**ClientSampleId :** CL-01-100120

Tgt Ion: 69 Resp: 2267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 3459.9 | 61.1 | 91.7# |
| 39 | 1588.4 | 42.2 | 63.4# |

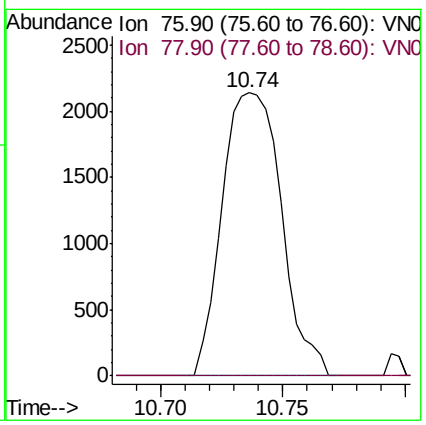


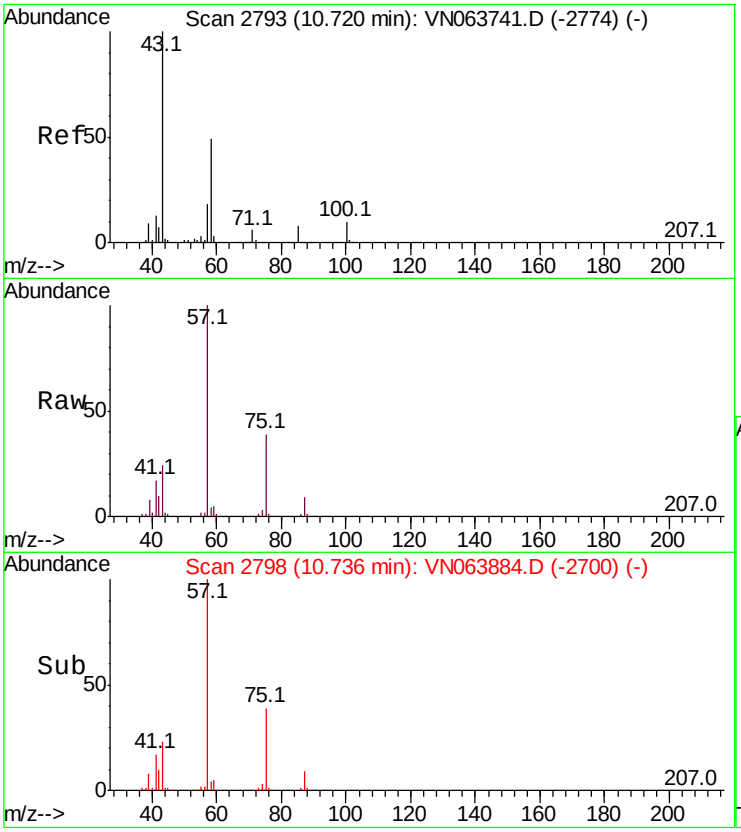




#57
1,3-Dichloropropane
Concen: 0.720 ug/l
RT: 10.74 min Scan# 2798
Delta R.T. 0.06 min
Lab File: VN063884.D
Acq: 5 Oct 2020 20:32

Tgt Ion: 76 Resp: 3614

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 0.0 | 25.2 | 37.8# |



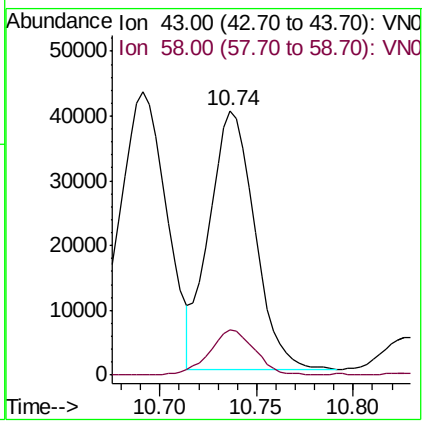


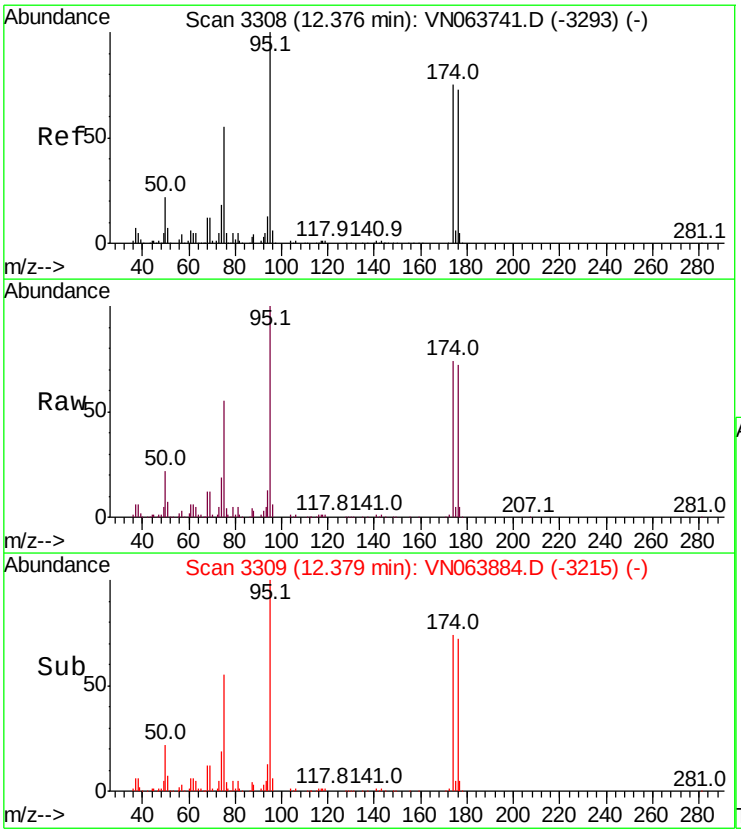

#59
2-Hexanone
Concen: 21.758 ug/l
RT: 10.74 min Scan# 2798
Delta R.T. 0.02 min
Lab File: VN063884.D
Acq: 5 Oct 2020 20:32

**Instrument :**
MSVOA_N
**ClientSampleId :**
CL-01-100120

Tgt Ion: 43 Resp: 65127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 17.5 | 24.6 | 73.8# |

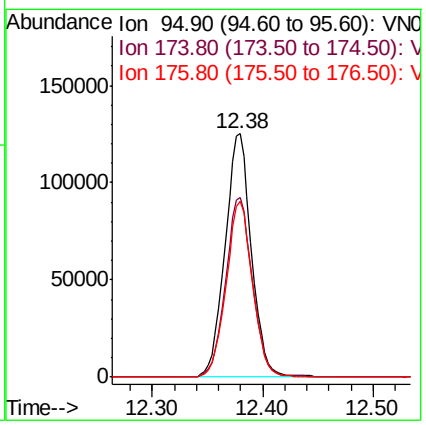


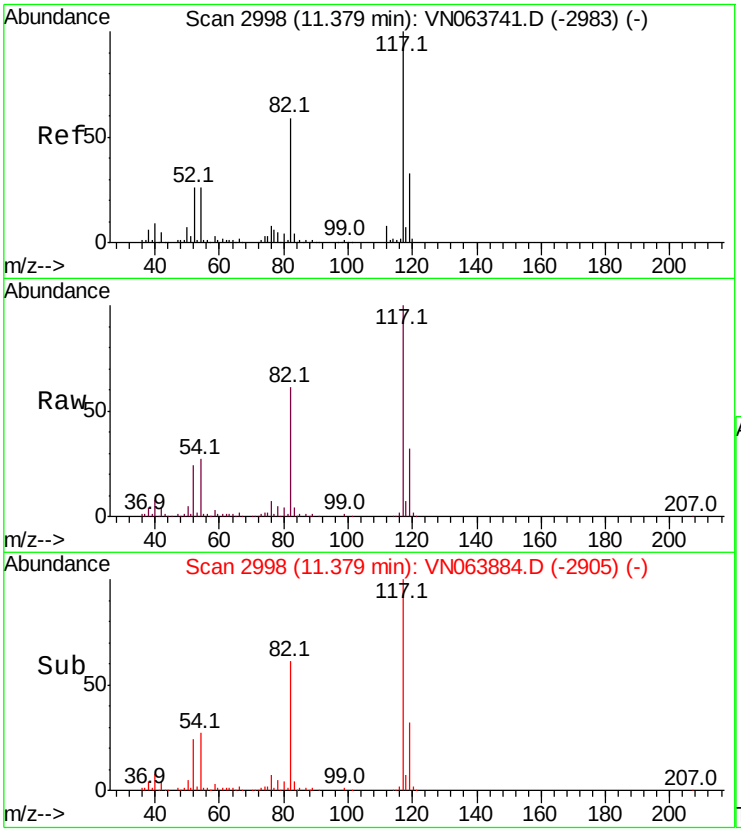




#62
4-Bromofluorobenzene
Concen: 50.638 ug/l
RT: 12.38 min Scan# 3309
Delta R.T. 0.00 min
Lab File: VN063884.D
Acq: 5 Oct 2020 20:32

Tgt Ion: 95 Resp: 207074

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 75.1 | 0.0 | 150.6 |
| 176 | 72.4 | 0.0 | 145.4 |



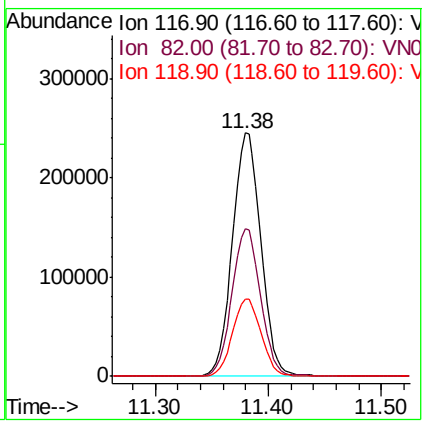


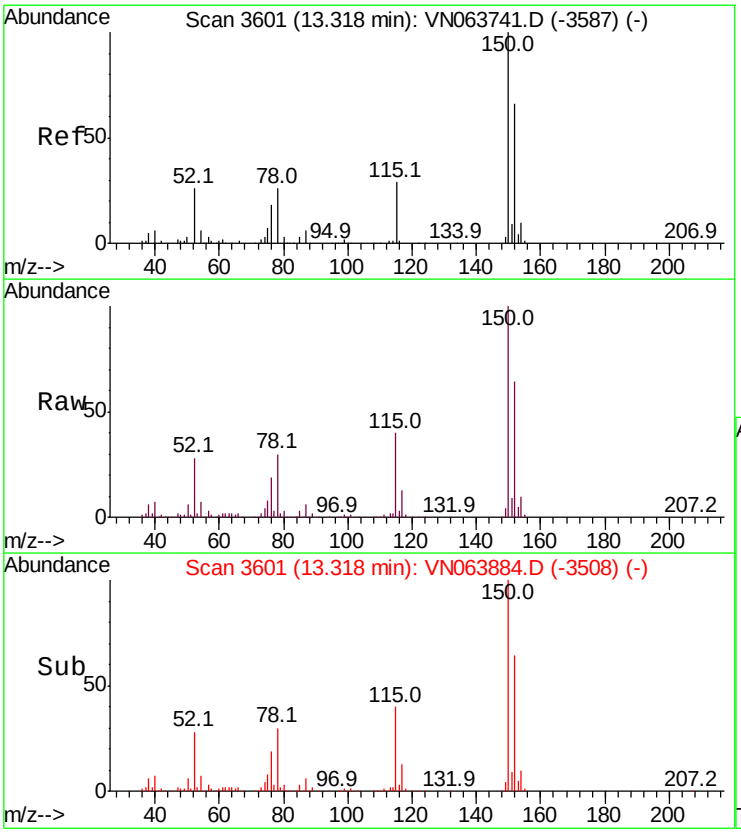

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063884.D
Acq: 5 Oct 2020 20:32

**Instrument :** MSVOA_N
**ClientSampleId :** CL-01-100120

Tgt Ion:117 Resp: 430906

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 60.6 | 47.4 | 71.2 |
| 119 | 31.9 | 26.4 | 39.6 |

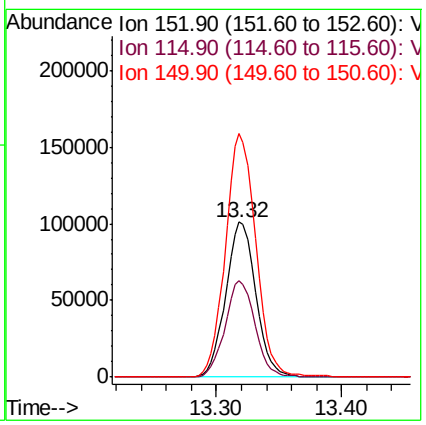


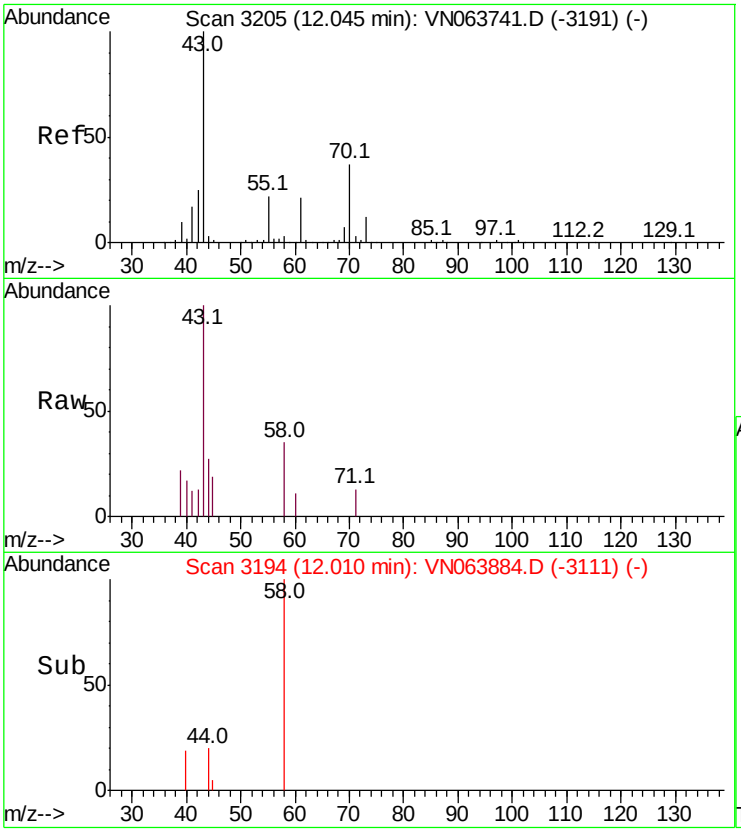




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN063884.D
Acq: 5 Oct 2020 20:32

Tgt Ion:152 Resp: 168140

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 62.0 | 31.3 | 93.8 |
| 150 | 158.8 | 0.0 | 341.8 |



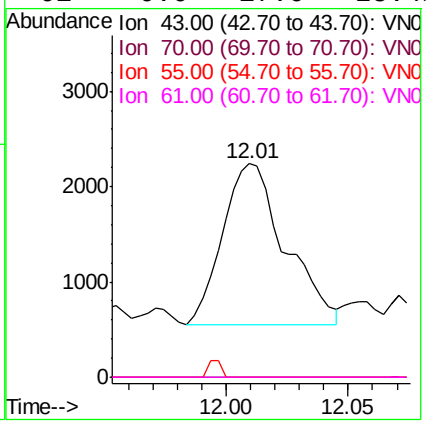


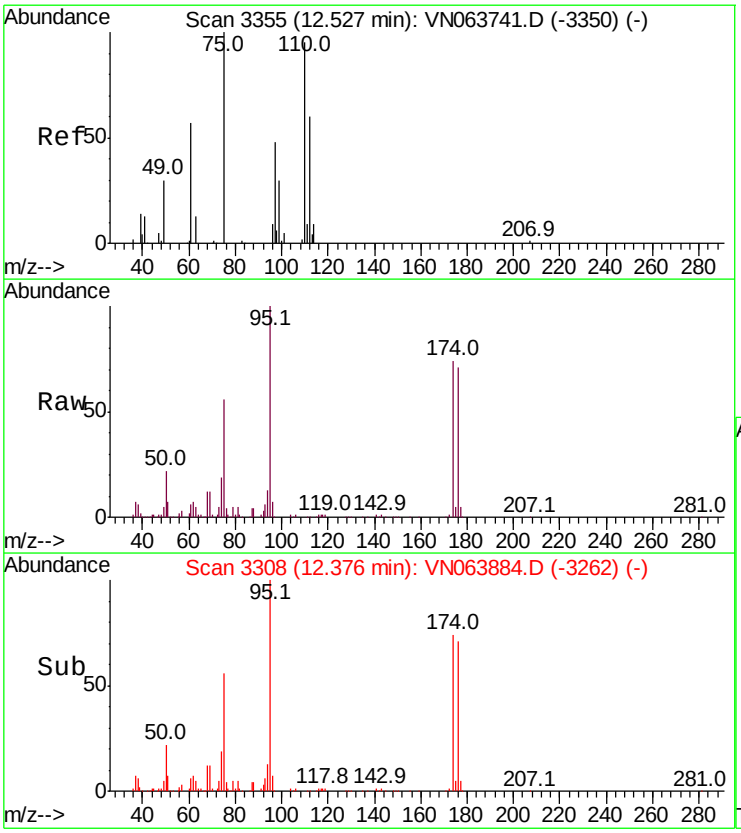

#74
N-amyl acetate
Concen: 2.721 ug/l
RT: 12.01 min Scan# 3194
Delta R.T. -0.03 min
Lab File: VN063884.D
Acq: 5 Oct 2020 20:32

**Instrument :** MSVOA_N
**ClientSampleId :** CL-01-100120

Tgt Ion: 43 Resp: 3015

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 0.0 | 29.8 | 44.8# |
| 55 | 2.3 | 17.9 | 26.9# |
| 61 | 0.0 | 17.0 | 25.4# |

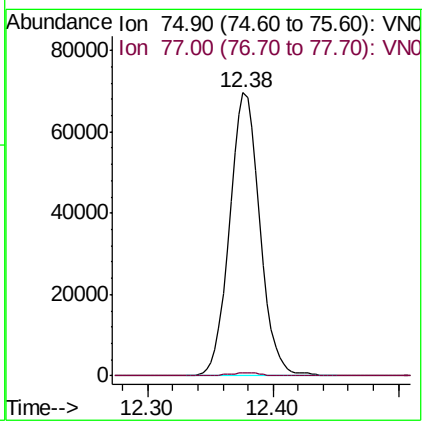


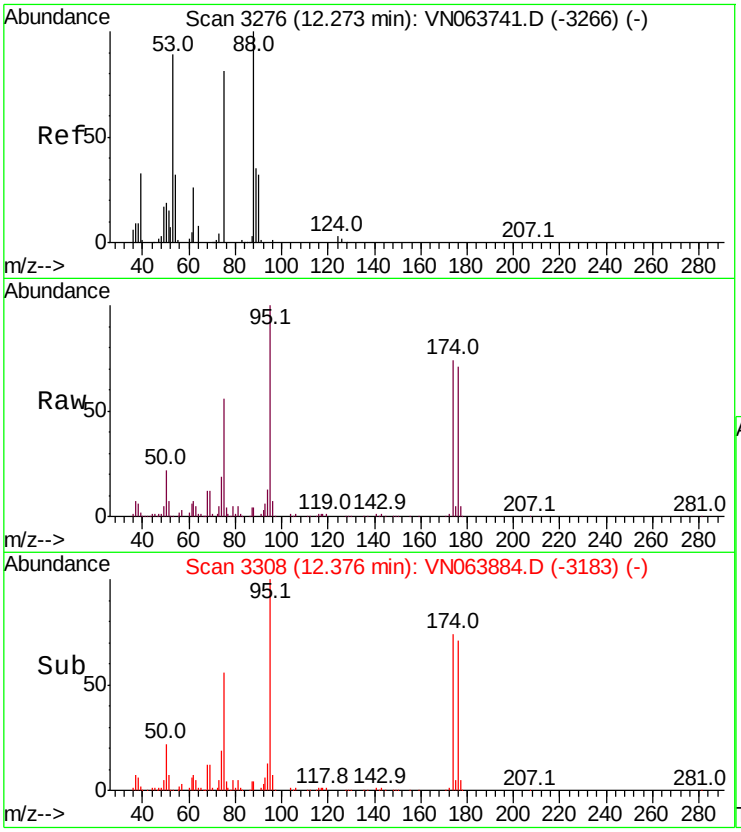




#76
1,2,3-Trichloropropane
Concen: 31.452 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.15 min
Lab File: VN063884.D
Acq: 5 Oct 2020 20:32

Tgt Ion: 75 Resp: 116575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.1 | 0.0 | 0.0# |



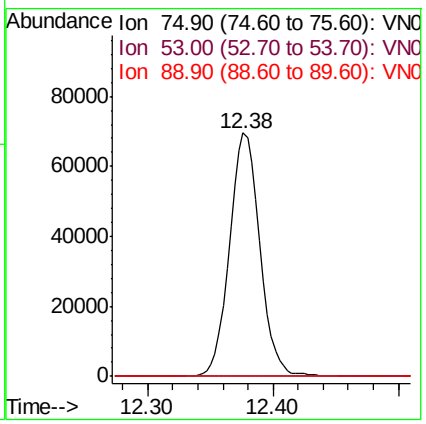


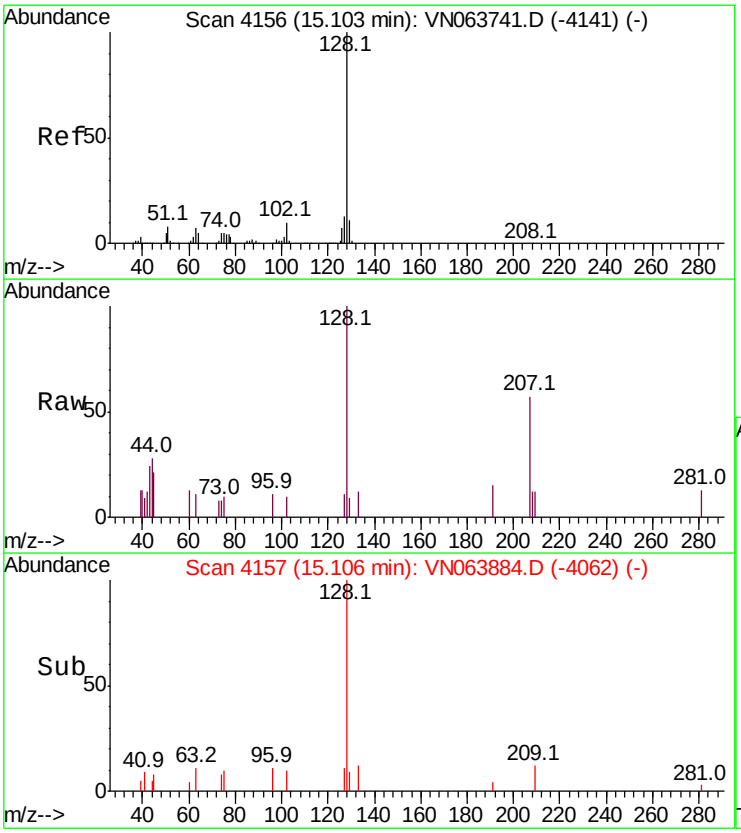

#81
trans-1,4-Dichloro-2-butene
Concen: 90.586 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.10 min
Lab File: VN063884.D
Acq: 5 Oct 2020 20:32

**Instrument :**
MSVOA_N
**ClientSampleId :**
CL-01-100120

Tgt Ion: 75 Resp: 116575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.2 | 88.2 | 132.2# |
| 89 | 0.0 | 36.0 | 54.0# |




#95
Naphthalene
Concen: 2.298 ug/l
RT: 15.11 min Scan# 4157
Delta R.T. 0.00 min
Lab File: VN063884.D
Acq: 5 Oct 2020 20:32

Tgt Ion:128 Resp: 3523

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 5.8 | 10.5 | 15.7# |
| 129 | 4.3 | 8.7 | 13.1# |