Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN030220\
Data File : VN060307.D
Acq On : 2 Mar 2020 13:34
Operator : JC/MD
Sample : PB127166ZHE#02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :**

Quant Time: Mar 03 05:45:58 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
Quant Title : SW846 8260
QLast Update : Thu Feb 27 13:52:50 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 7.64 | 168 | 212873 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.57 | 114 | 345915 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.40 | 117 | 319977 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152 | 151588 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.00 | 65 | 134495 | 49.24 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 98.48% | | | |
| 35) Dibromofluoromethane | 7.57 | 113 | 93774 | 58.40 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 116.80% | | | |
| 50) Toluene-d8 | 10.08 | 98 | 427846 | 52.65 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 105.30% | | | |
| 62) 4-Bromofluorobenzene | 12.40 | 95 | 158611 | 51.49 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 102.98% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 3) Chloromethane | 2.04 | 50 | 717 | 0.211 | ug/l # | 43 |
| 12) 1,1-Dichloroethene | 3.71 | 96 | 92 | Below Cal | # | 1 |
| 16) Acetone | 3.79 | 43 | 7299 | 8.276 | ug/l | 98 |
| 17) Carbon Disulfide | 4.03 | 76 | 201 | Below Cal | # | 75 |
| 18) Methyl Acetate | 4.30 | 43 | 1877 | 0.638 | ug/l # | 74 |
| 20) Methylene Chloride | 4.52 | 84 | 2947 | 1.217 | ug/l # | 86 |
| 21) trans-1,2-Dichloroethene | 5.01 | 96 | 29 | Below Cal | # | 1 |
| 25) 2-Butanone | 6.81 | 43 | 471 | 0.331 | ug/l # | 49 |
| 31) Cyclohexane | 7.64 | 56 | 4568 | Below Cal | # | 5 |
| 36) 1,1-Dichloropropene | 7.64 | 75 | 16502 | 5.006 | ug/l # | 49 |
| 38) Carbon Tetrachloride | 7.64 | 117 | 20852 | 6.496 | ug/l # | 16 |
| 43) Isopropyl Acetate | 8.14 | 43 | 68635 | 12.559 | ug/l # | 90 |
| 45) 1,2-Dichloropropane | 9.25 | 63 | 1343 | 0.535 | ug/l # | 44 |
| 48) Methyl methacrylate | 9.16 | 41 | 3624 | 1.454 | ug/l # | 13 |
| 51) 4-Methyl-2-Pentanone | 9.97 | 43 | 5214 | 1.683 | ug/l | 94 |
| 54) cis-1,3-Dichloropropene | 9.89 | 75 | 29238 | 6.955 | ug/l # | 60 |
| 57) 1,3-Dichloropropane | 10.75 | 76 | 4942 | 1.250 | ug/l # | 42 |
| 59) 2-Hexanone | 10.75 | 43 | 72931 | 32.058 | ug/l # | 51 |
| 74) N-amyl acetate | 12.02 | 43 | 4369 | 0.890 | ug/l # | 44 |
| 76) 1,2,3-Trichloropropane | 12.40 | 75 | 81543 | 24.518 | ug/l # | 100 |
| 80) 1,3,5-Trimethylbenzene | 12.73 | 105 | 5315 | 0.562 | ug/l | 94 |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75 | 81543 | 67.681 | ug/l # | 8 |
| 87) 1,3-Dichlorobenzene | 13.28 | 146 | 300 | Below Cal | # | 74 |
| 88) 1,4-Dichlorobenzene | 13.36 | 146 | 345 | Below Cal | # | 25 |
| 92) 1,2-Dibromo-3-Chloropropan | 14.26 | 75 | 546 | 0.789 | ug/l # | 3 |
| 95) Naphthalene | 15.14 | 128 | 1030 | Below Cal | # | 69 |
| 96) 1,2,3-Trichlorobenzene | 15.32 | 180 | 316 | Below Cal | | 66 |

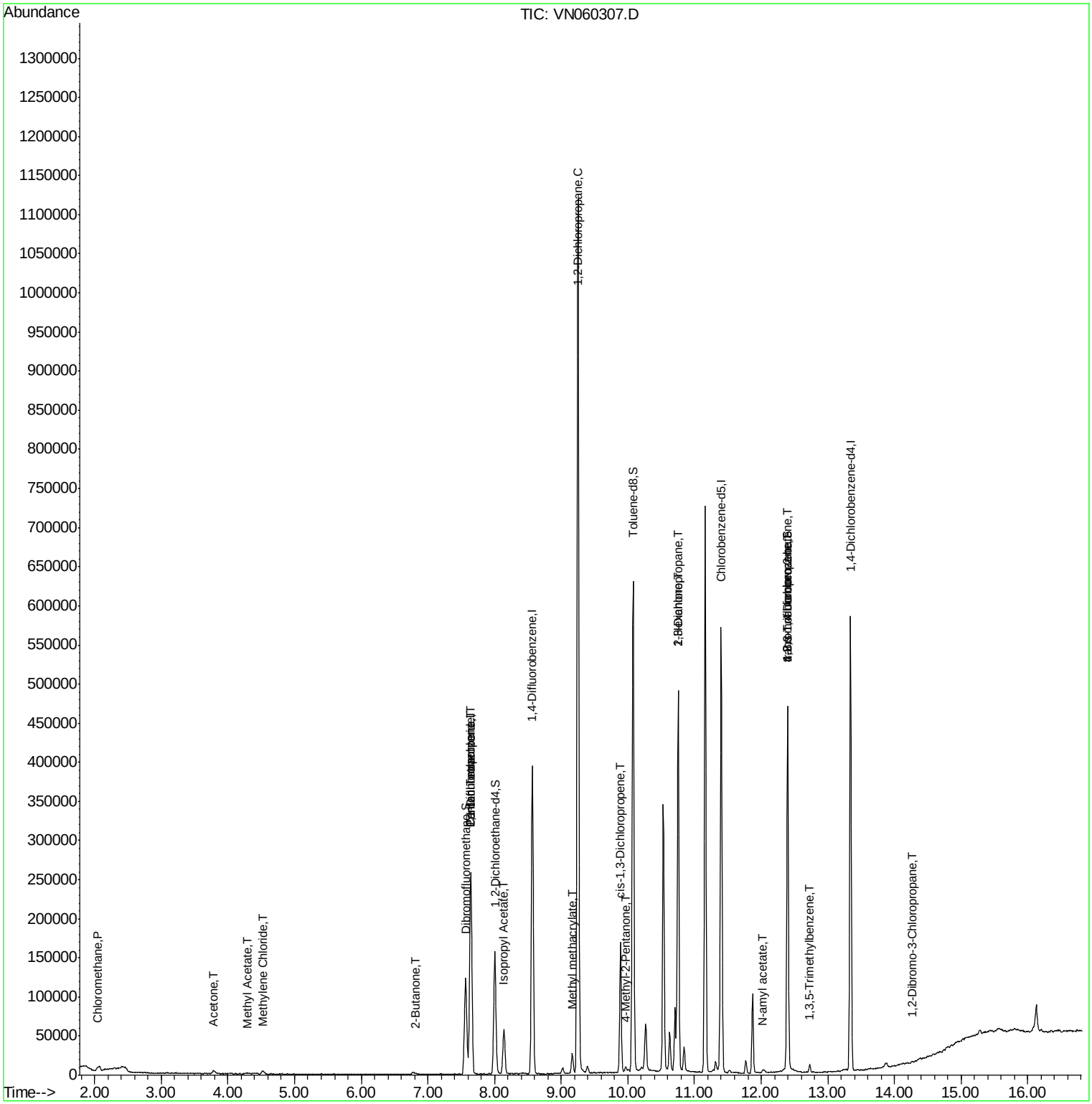
(#) = qualifier out of range (m) = manual integration (+) = signals summed

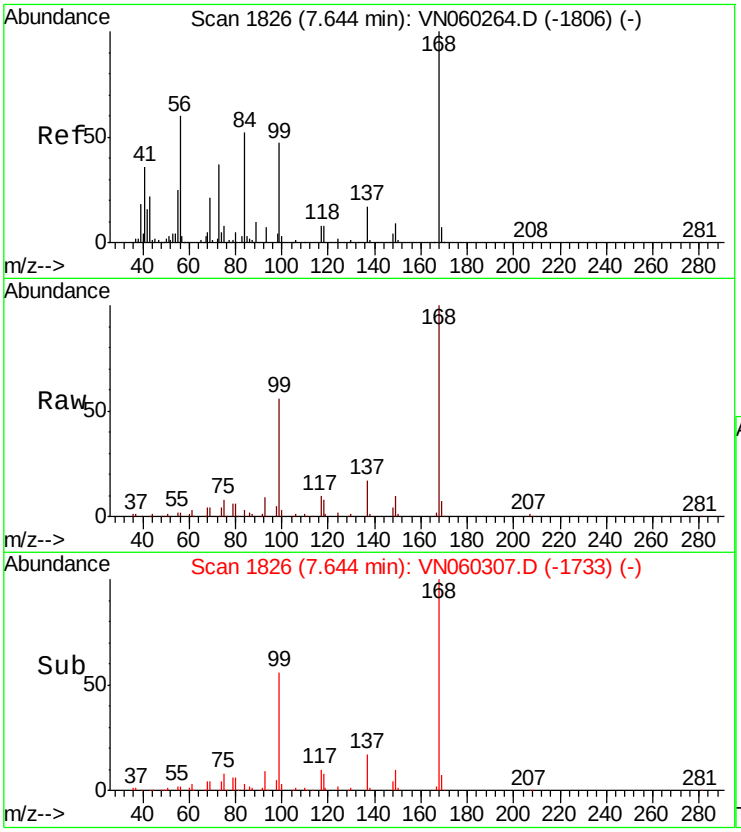
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN030220\
Data File : VN060307.D
Acq On : 2 Mar 2020 13:34
Operator : JC/MD
Sample : PB127166ZHE#02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**

Quant Time: Mar 03 05:45:58 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
Quant Title : SW846 8260
QLast Update : Thu Feb 27 13:52:50 2020
Response via : Initial Calibration



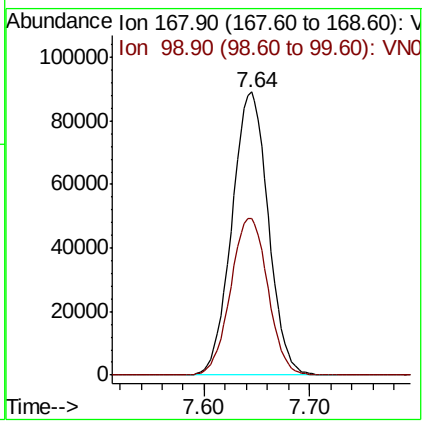


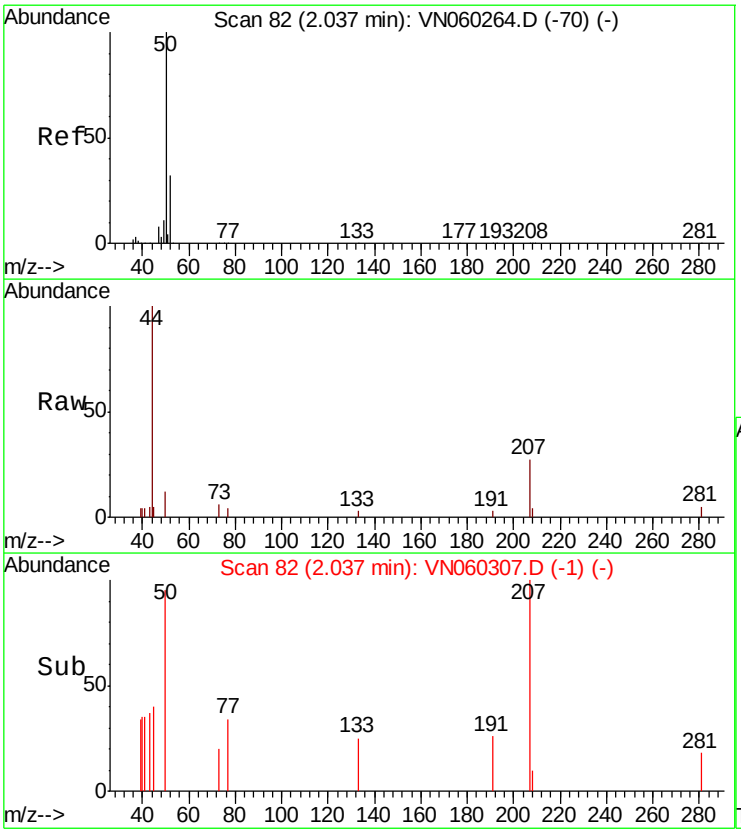

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.00 min
Lab File: VN060307.D
Acq: 2 Mar 2020 13:34

**Instrument :**
MSVOA_N
**ClientSampleId :**

Tgt Ion:168 Resp: 212873

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 55.5 | 44.7 | 67.1 |

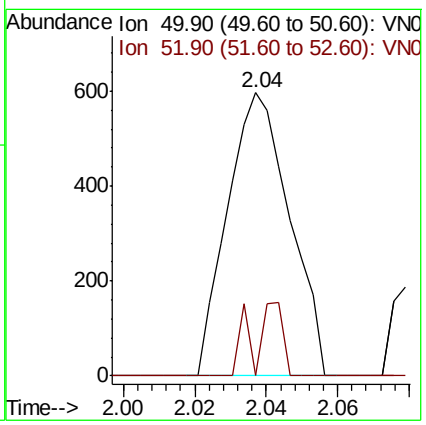


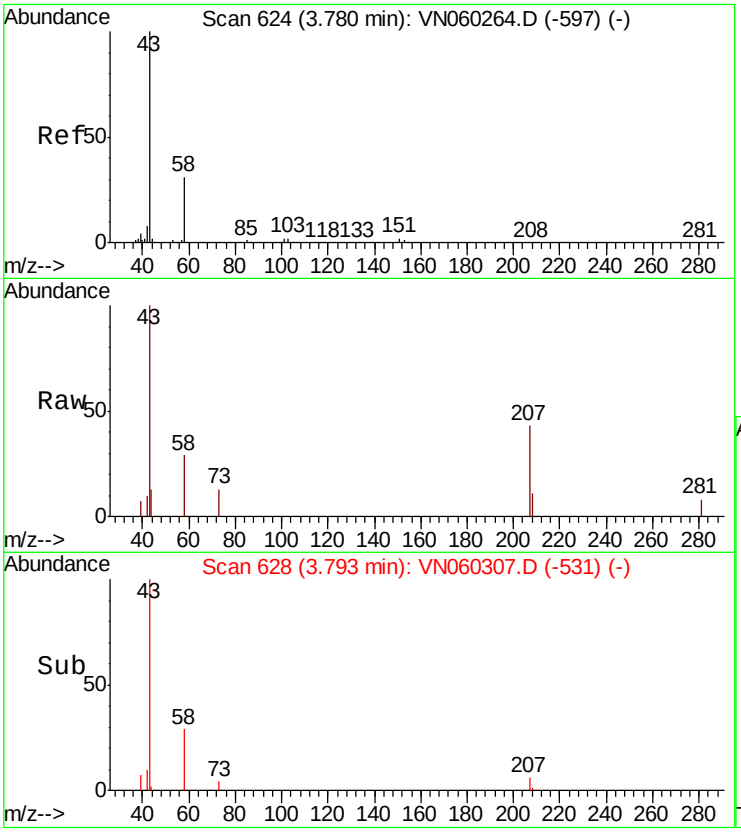




#3
Chloromethane
Concen: 0.211 ug/l
RT: 2.04 min Scan# 82
Delta R.T. 0.00 min
Lab File: VN060307.D
Acq: 2 Mar 2020 13:34

Tgt Ion: 50 Resp: 717

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 0.0 | 25.6 | 38.4# |



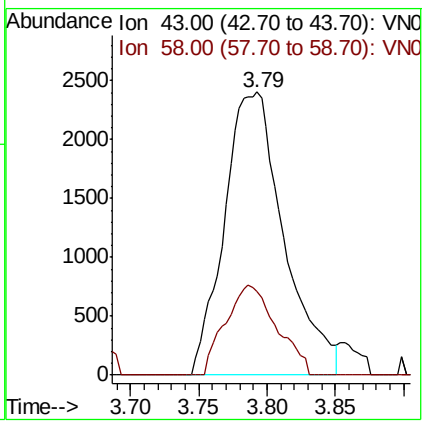


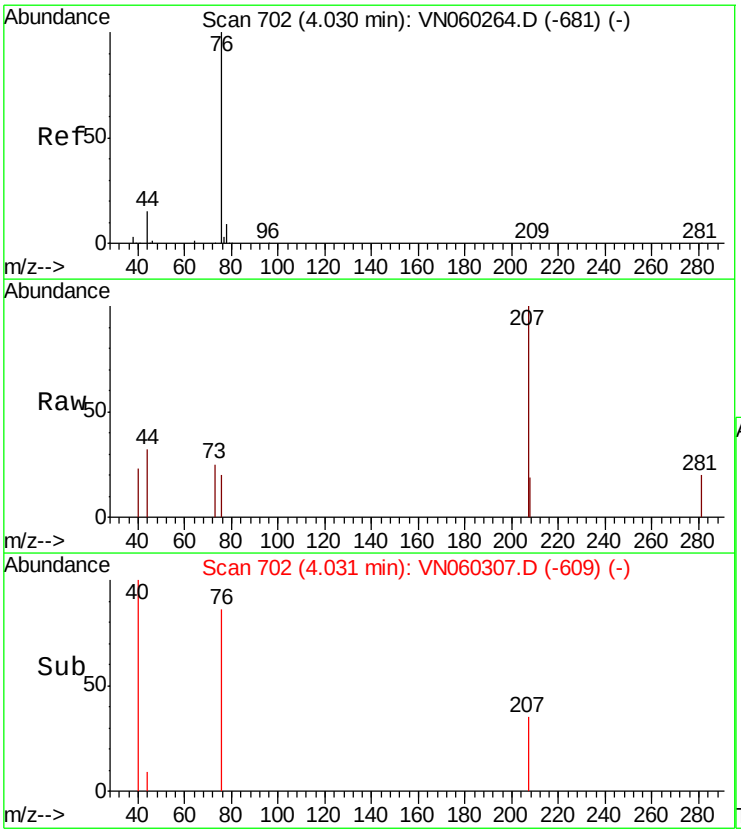

#16
Acetone
Concen: 8.276 ug/l
RT: 3.79 min Scan# 628
Delta R.T. 0.01 min
Lab File: VN060307.D
Acq: 2 Mar 2020 13:34

**Instrument :** MSVOA_N
**ClientSampleId :**

Tgt Ion: 43 Resp: 7299

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.4 | 24.6 | 36.8 |

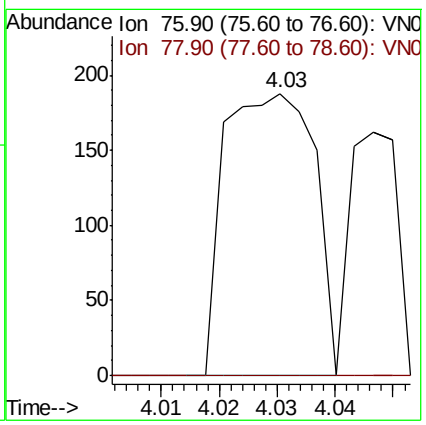


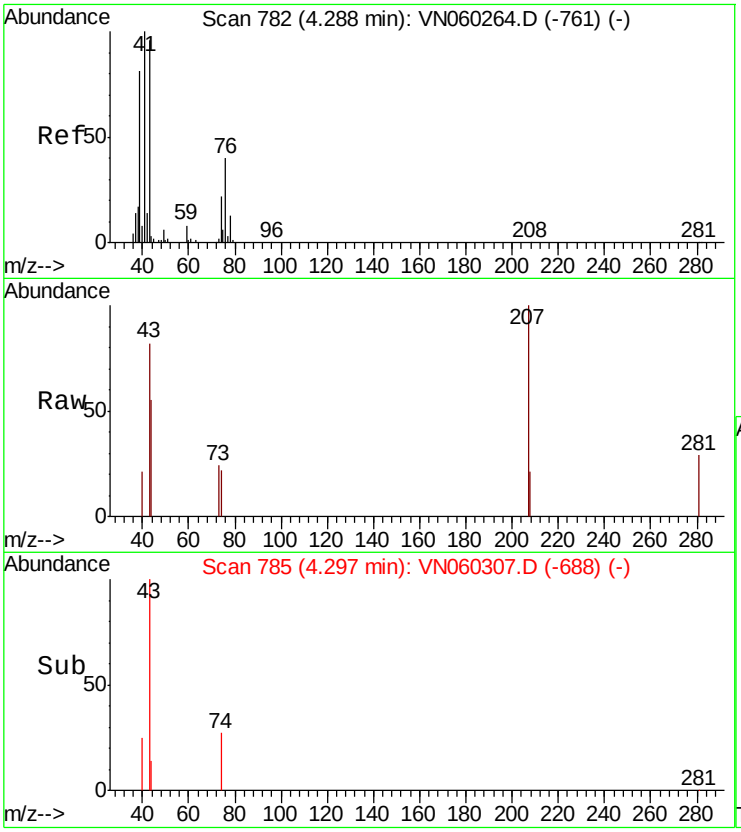




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN060307.D
Acq: 2 Mar 2020 13:34

Tgt Ion: 76 Resp: 201

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 0.0 | 7.4 | 11.0# |



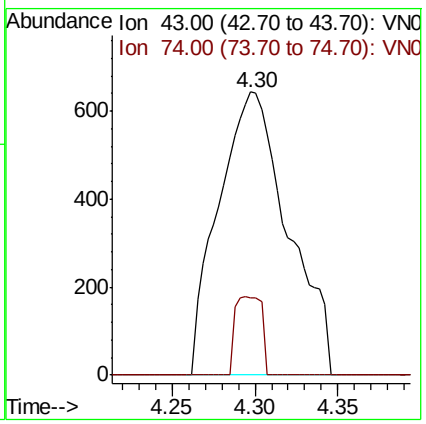


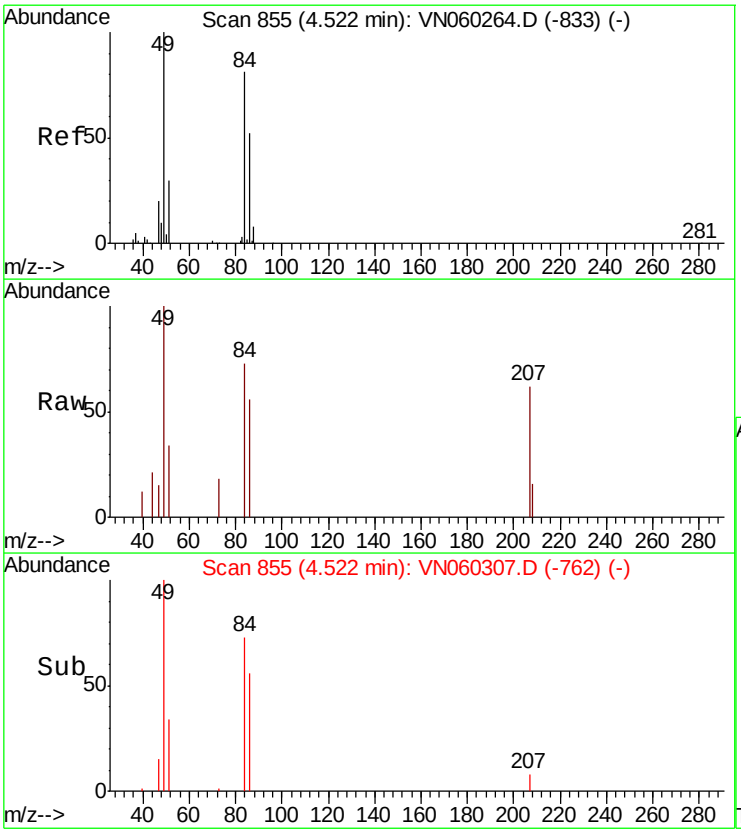

#18
Methyl Acetate
Concen: 0.638 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.01 min
Lab File: VN060307.D
Acq: 2 Mar 2020 13:34

**Instrument :** MSVOA_N
**ClientSampleId :**

Tgt Ion: 43 Resp: 1877

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 10.5 | 18.8 | 28.2# |

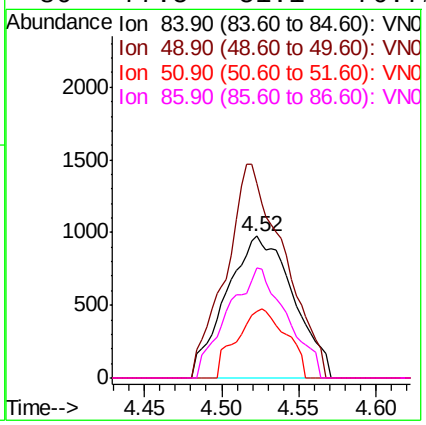


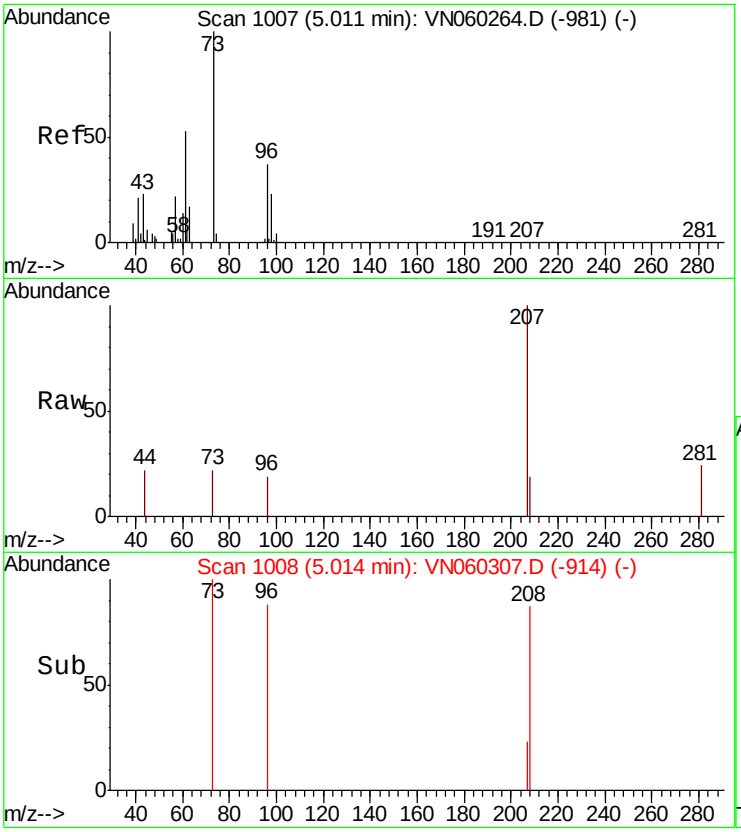




#20
Methylene Chloride
Concen: 1.217 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060307.D
Acq: 2 Mar 2020 13:34

Tgt Ion: 84 Resp: 2947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 137.6 | 99.3 | 148.9 |
| 51 | 47.3 | 30.1 | 45.1# |
| 86 | 77.5 | 51.1 | 76.7# |



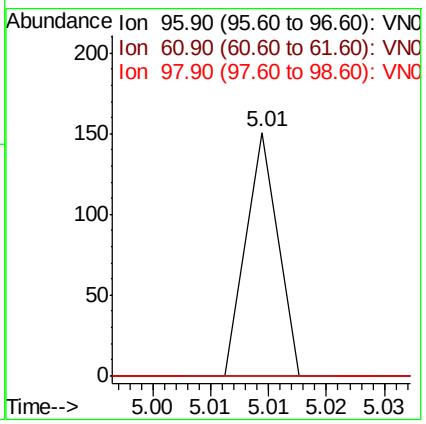


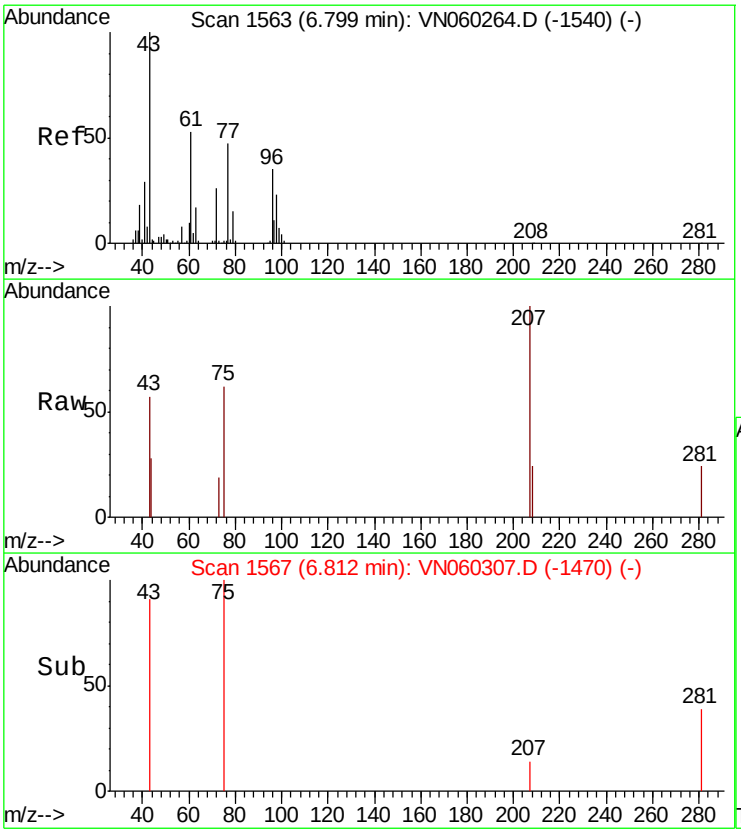

#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN060307.D
Acq: 2 Mar 2020 13:34

**Instrument :** MSVOA_N
**ClientSampleId :**

Tgt Ion: 96 Resp: 29

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 0.0 | 113.8 | 170.8# |
| 98 | 0.0 | 48.8 | 73.2# |

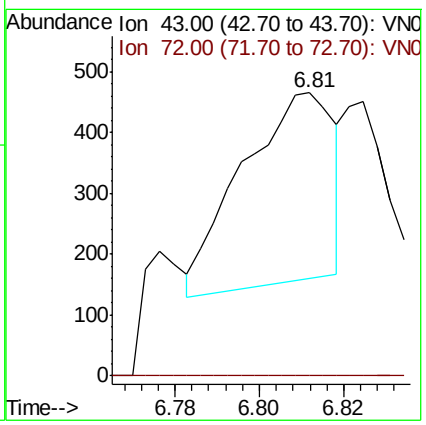


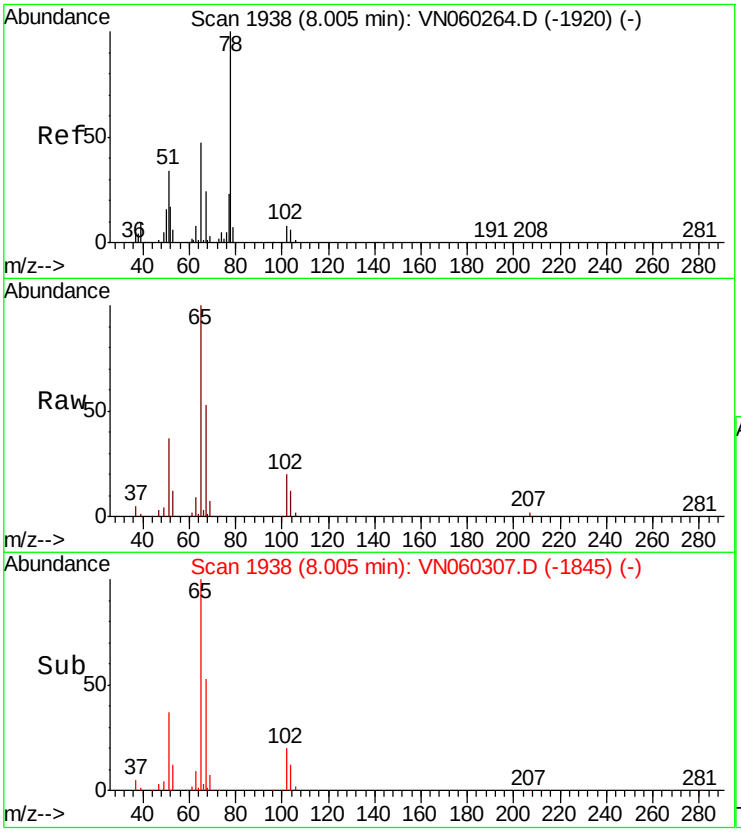




#25
2-Butanone
Concen: 0.331 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. 0.01 min
Lab File: VN060307.D
Acq: 2 Mar 2020 13:34

Tgt Ion: 43 Resp: 471

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 0.0 | 20.9 | 31.3# |



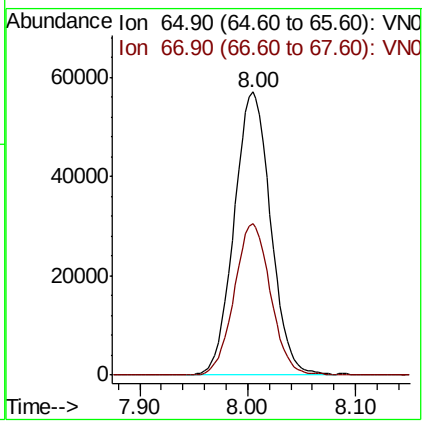


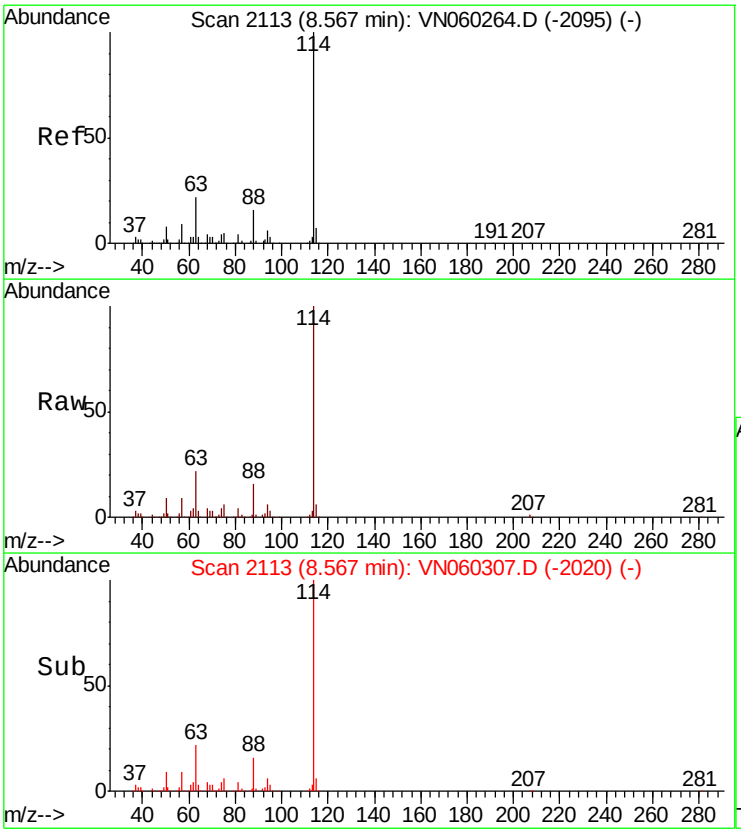

#33
1,2-Dichloroethane-d4
Concen: 49.244 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN060307.D
Acq: 2 Mar 2020 13:34

**Instrument :**
MSVOA_N
**ClientSampleId :**

Tgt Ion: 65 Resp: 134495

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 53.1 | 0.0 | 103.8 |

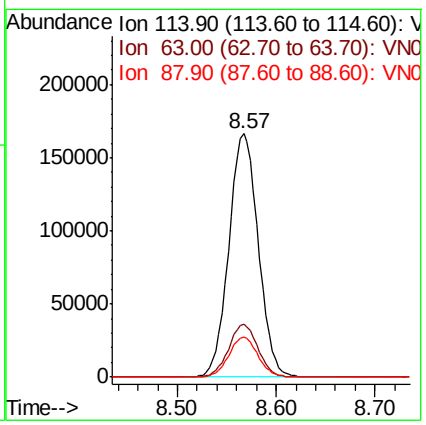


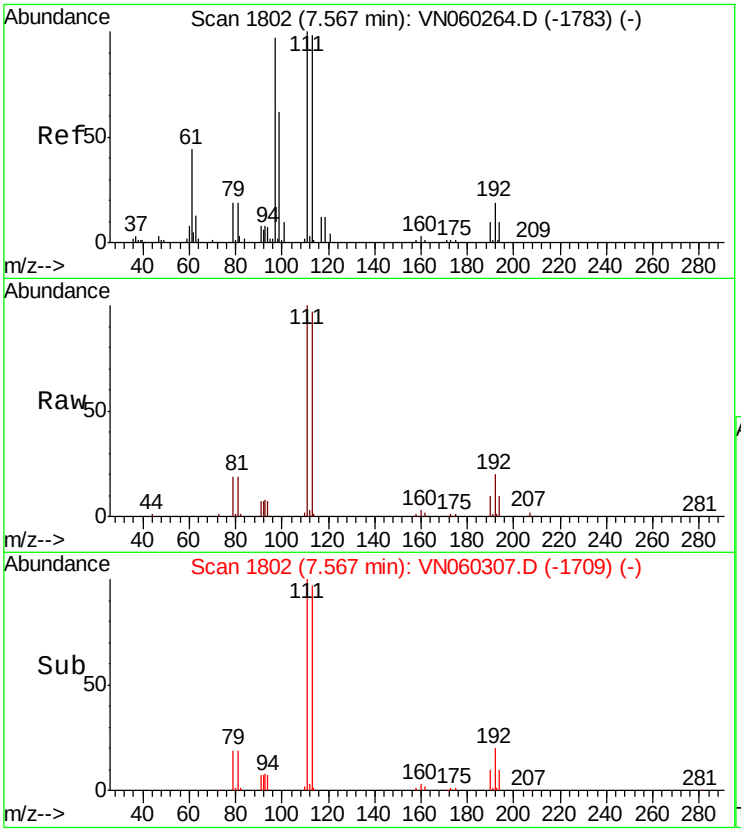




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2113
Delta R.T. 0.00 min
Lab File: VN060307.D
Acq: 2 Mar 2020 13:34

Tgt Ion:114 Resp: 345915

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.5 | 0.0 | 43.2 |
| 88 | 16.4 | 0.0 | 31.6 |



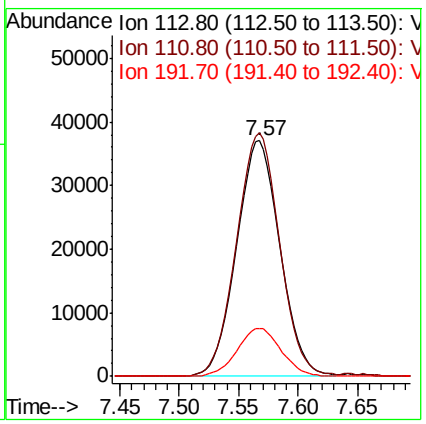


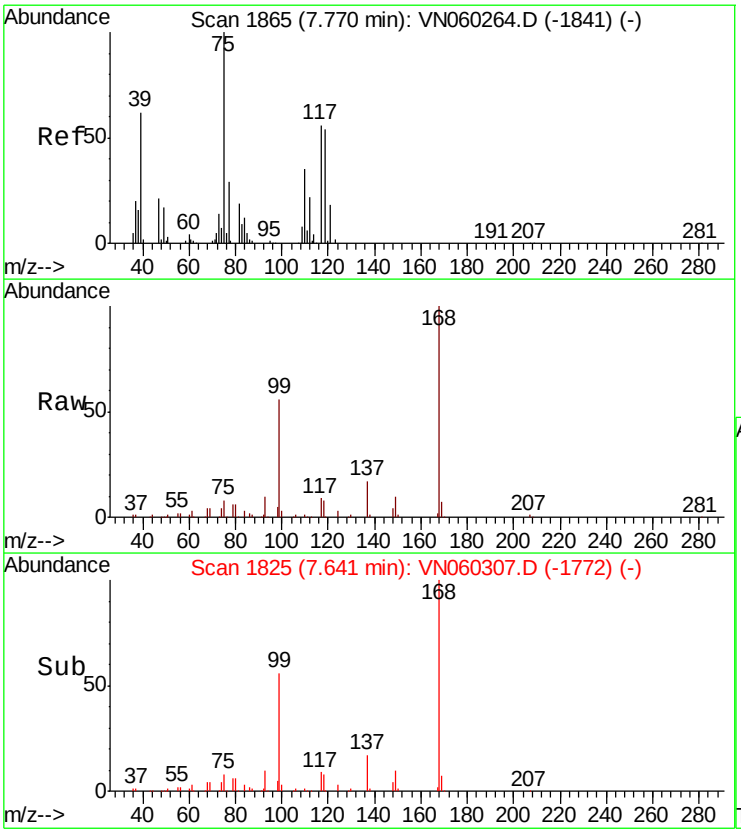

#35
Dibromofluoromethane
Concen: 58.403 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN060307.D
Acq: 2 Mar 2020 13:34

**Instrument :**
MSVOA_N
**ClientSampleId :**

Tgt Ion:113 Resp: 93774

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.5 | 82.4 | 123.6 |
| 192 | 20.4 | 16.2 | 24.2 |

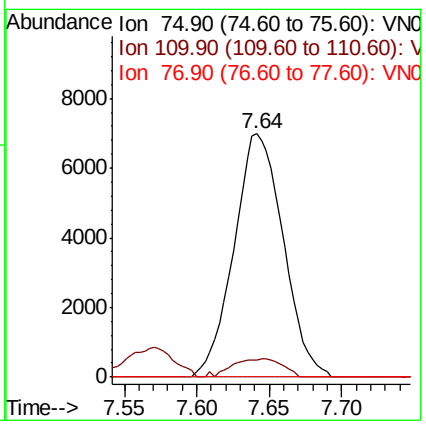


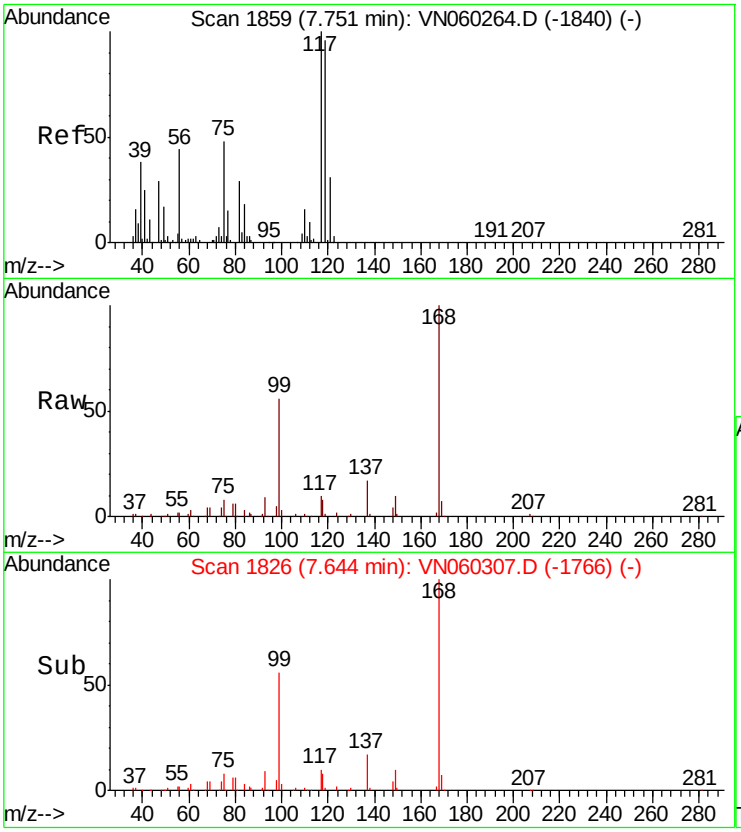




#36
1,1-Dichloropropene
Concen: 5.006 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.13 min
Lab File: VN060307.D
Acq: 2 Mar 2020 13:34

Tgt Ion: 75 Resp: 16502

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 7.7 | 17.3 | 52.0# |
| 77 | 0.0 | 24.2 | 36.2# |



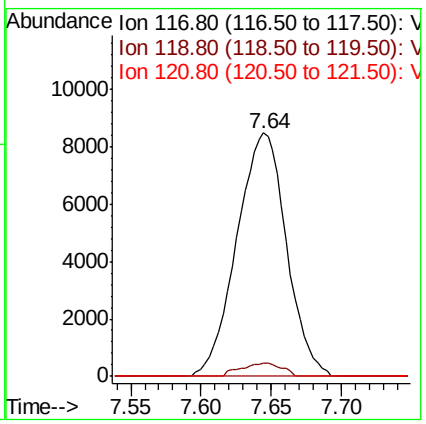


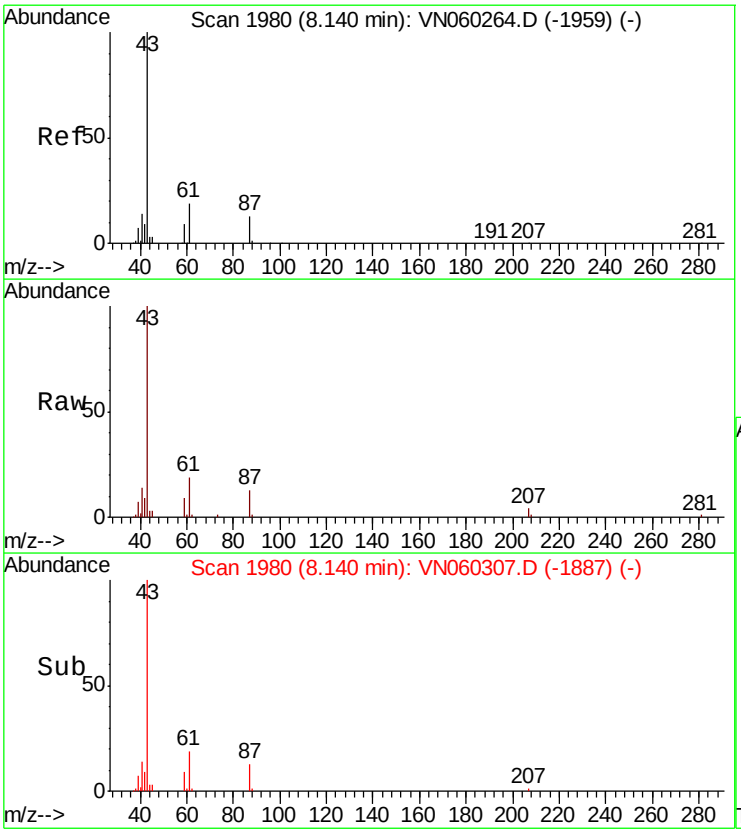

#38
Carbon Tetrachloride
Concen: 6.496 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.11 min
Lab File: VN060307.D
Acq: 2 Mar 2020 13:34

**Instrument :** MSVOA_N
**ClientSampleId :**

Tgt Ion:117 Resp: 20852

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 5.3 | 76.7 | 115.1# |
| 121 | 0.0 | 24.5 | 36.7# |

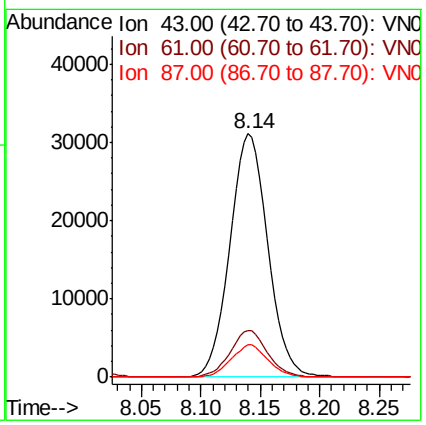


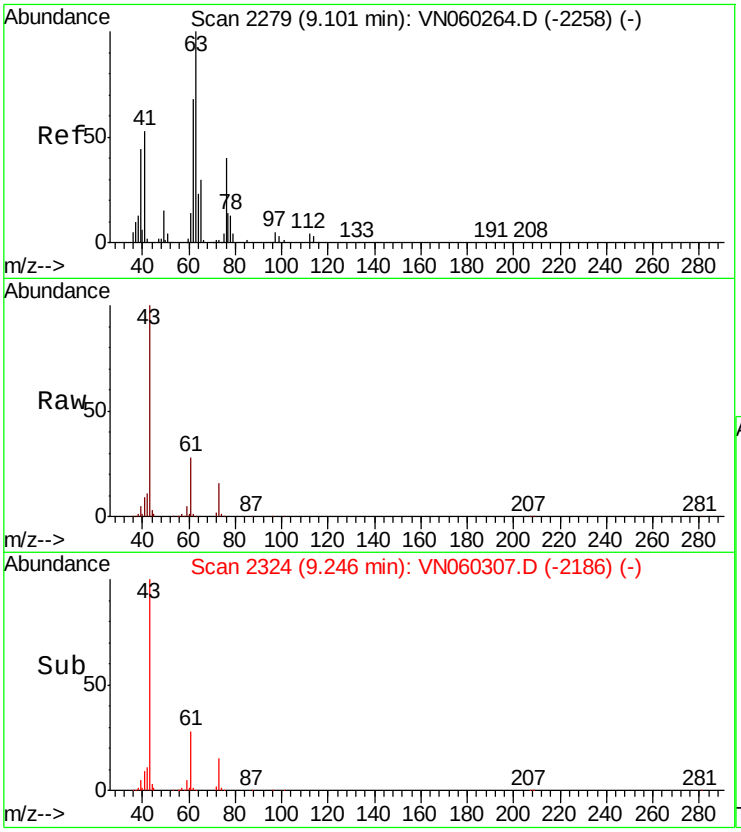




#43
Isopropyl Acetate
Concen: 12.559 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VN060307.D
Acq: 2 Mar 2020 13:34

Tgt Ion: 43 Resp: 68635

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.7 | 20.9 | 31.3# |
| 87 | 12.7 | 10.6 | 16.0 |



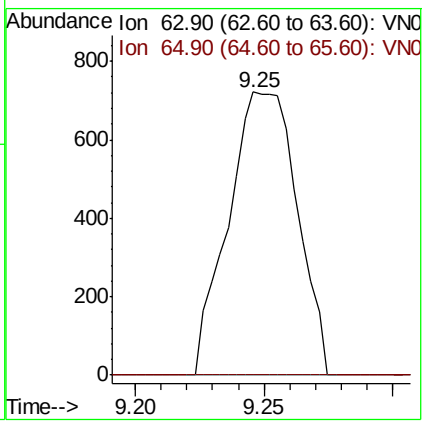


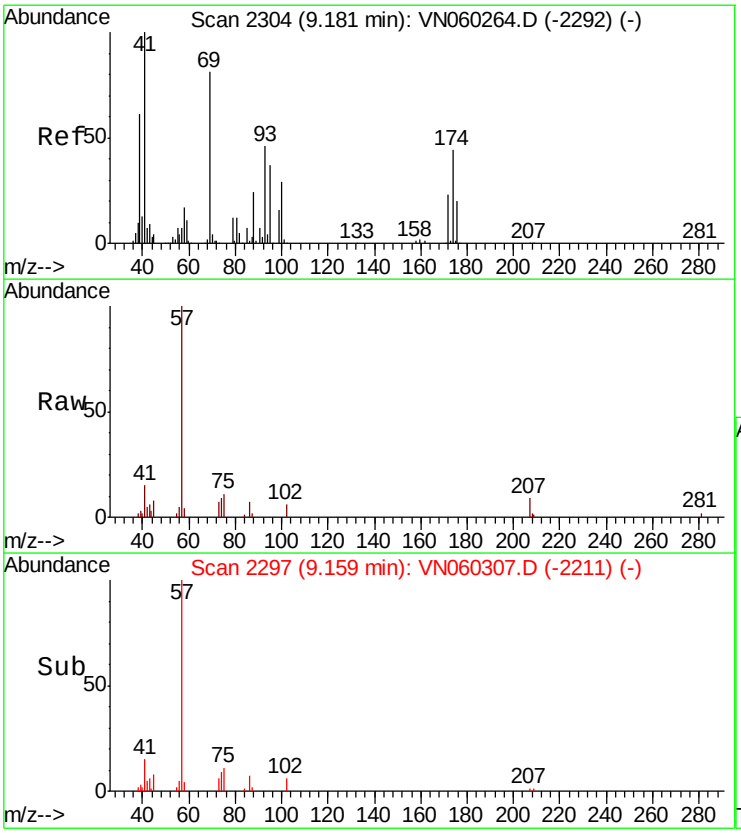

#45
1,2-Dichloropropane
Concen: 0.535 ug/l
RT: 9.25 min Scan# 2324
Delta R.T. 0.14 min
Lab File: VN060307.D
Acq: 2 Mar 2020 13:34

**Instrument :** MSVOA_N
**ClientSampleId :**

Tgt Ion: 63 Resp: 1343

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 0.0 | 24.4 | 36.6# |

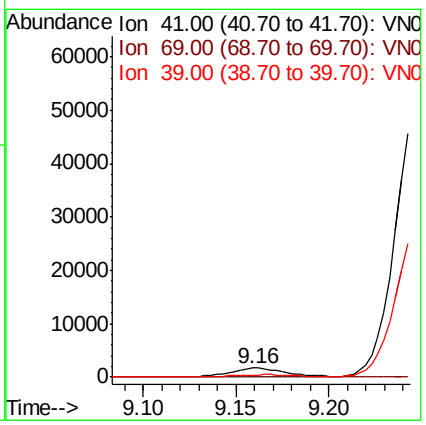


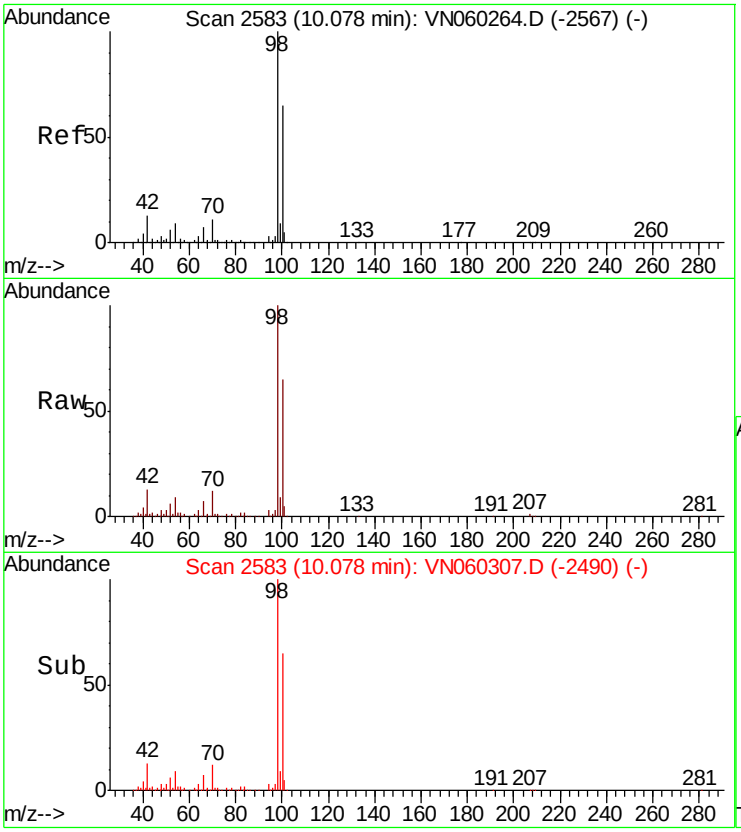




#48
Methyl methacrylate
Concen: 1.454 ug/l
RT: 9.16 min Scan# 2297
Delta R.T. -0.02 min
Lab File: VN060307.D
Acq: 2 Mar 2020 13:34

Tgt Ion: 41 Resp: 3624

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 0.0 | 66.7 | 100.1# |
| 39 | 0.0 | 50.1 | 75.1# |



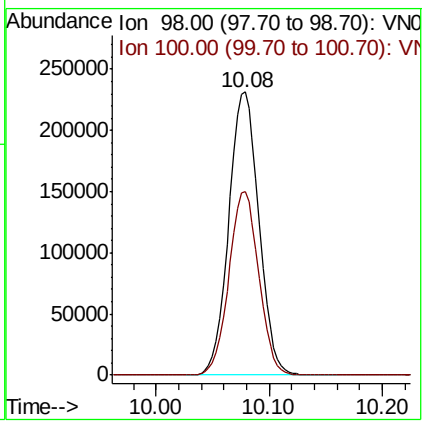


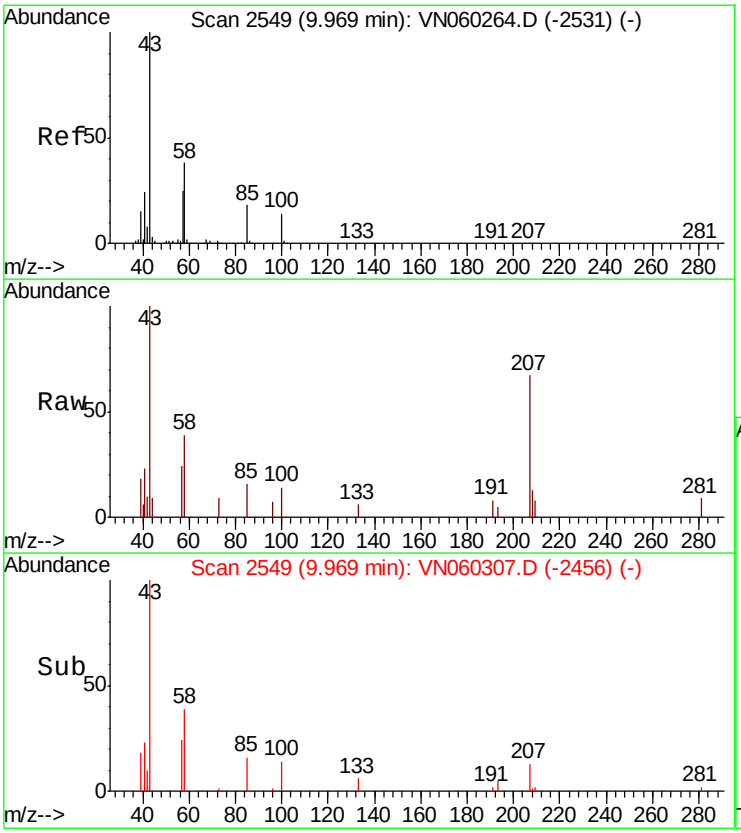

#50
Toluene-d8
Concen: 52.650 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060307.D
Acq: 2 Mar 2020 13:34

**Instrument :** MSVOA_N
**ClientSampleId :**

Tgt Ion: 98 Resp: 427846

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.4 | 52.2 | 78.2 |

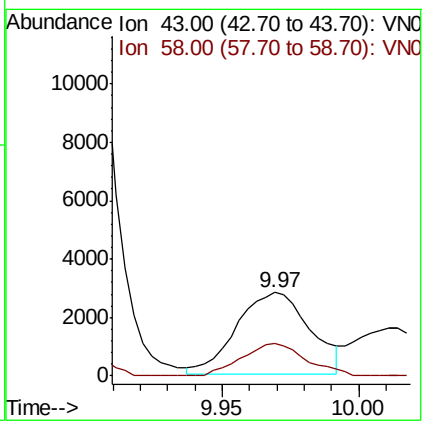


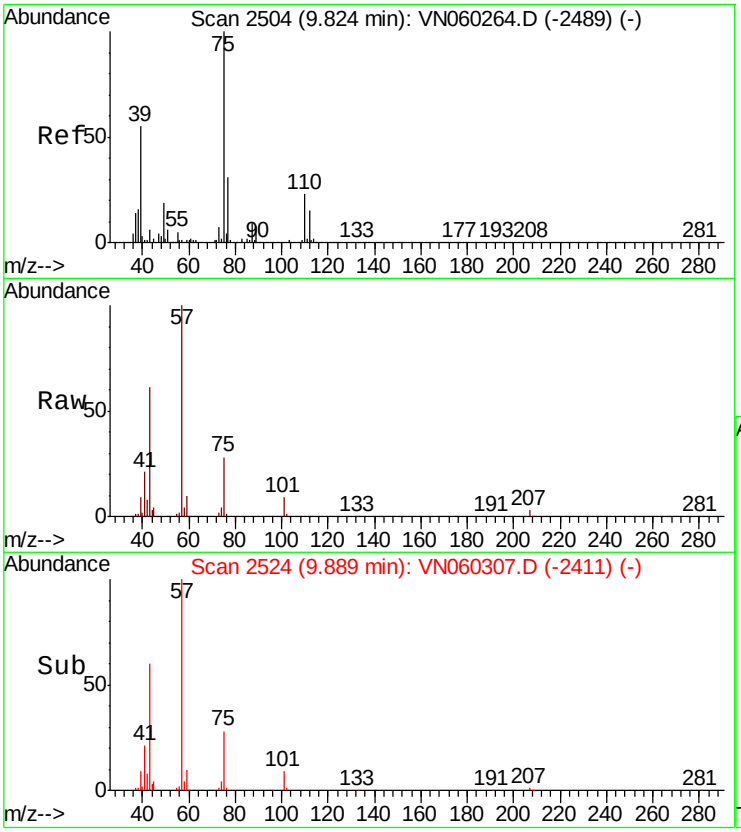




#51
4-Methyl-2-Pentanone
Concen: 1.683 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. 0.00 min
Lab File: VN060307.D
Acq: 2 Mar 2020 13:34

Tgt Ion: 43 Resp: 5214

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 34.8 | 30.9 | 46.3 |



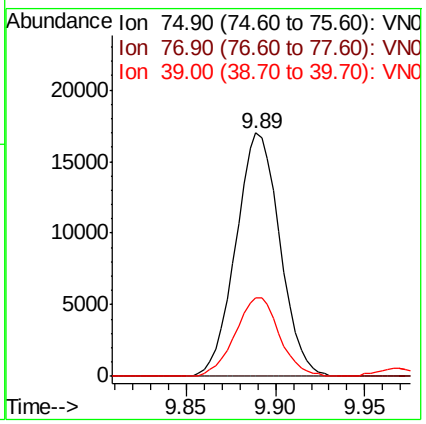


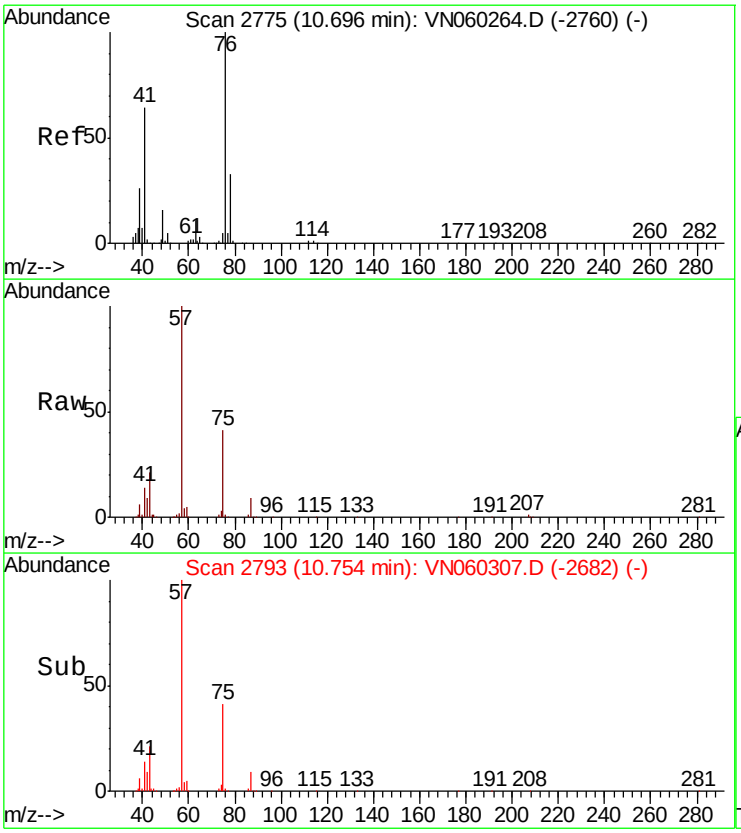

#54
cis-1,3-Dichloropropene
Concen: 6.955 ug/l
RT: 9.89 min Scan# 2524
Delta R.T. 0.06 min
Lab File: VN060307.D
Acq: 2 Mar 2020 13:34

**Instrument :**
MSVOA_N
**ClientSampleId :**

Tgt Ion: 75 Resp: 29238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 24.8 | 37.2# |
| 39 | 32.3 | 43.8 | 65.8# |

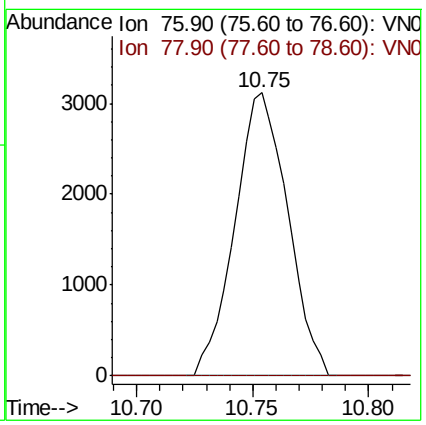


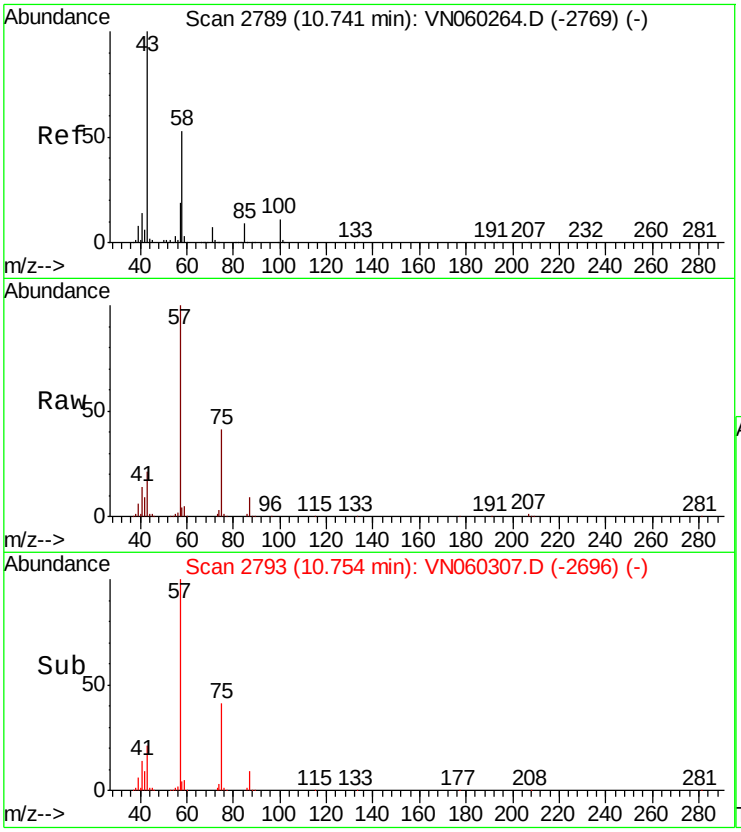




#57
1,3-Dichloropropane
Concen: 1.250 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.06 min
Lab File: VN060307.D
Acq: 2 Mar 2020 13:34

Tgt Ion: 76 Resp: 4942

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 0.0 | 26.2 | 39.2# |



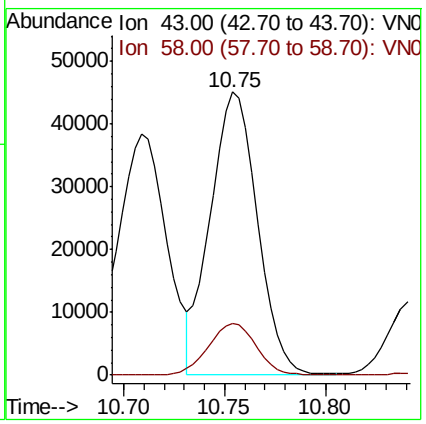


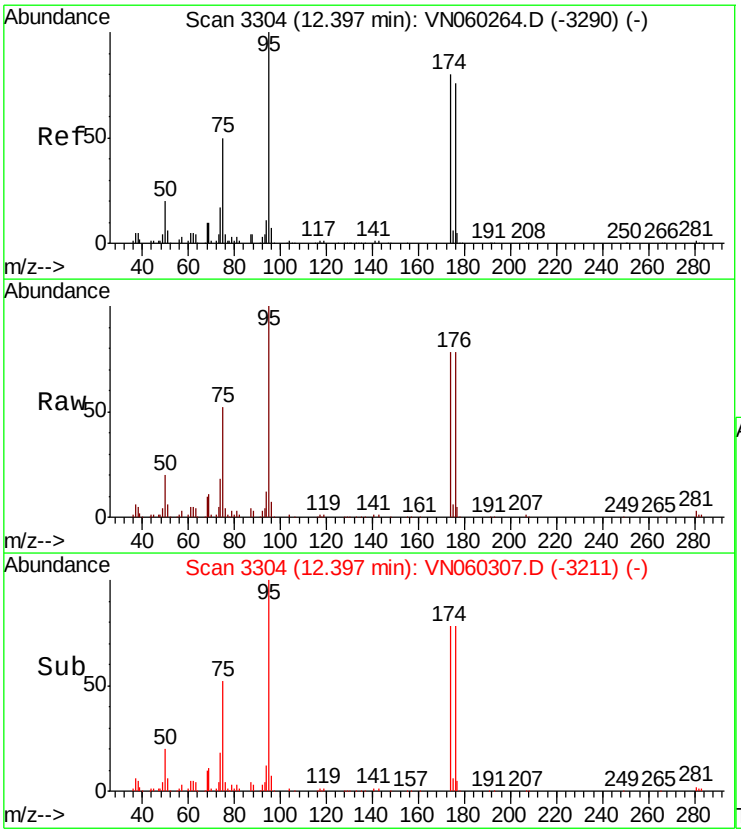

#59
2-Hexanone
Concen: 32.058 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060307.D
Acq: 2 Mar 2020 13:34

**Instrument :** MSVOA_N
**ClientSampleId :**

Tgt Ion: 43 Resp: 72931

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 18.6 | 26.5 | 79.5# |

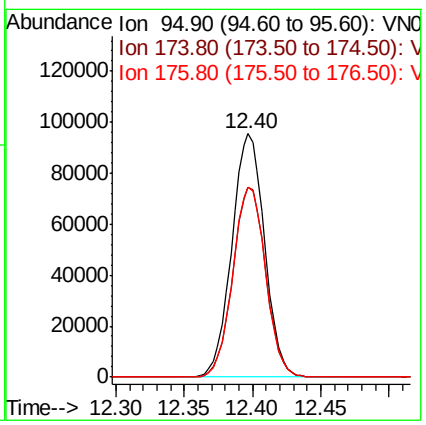


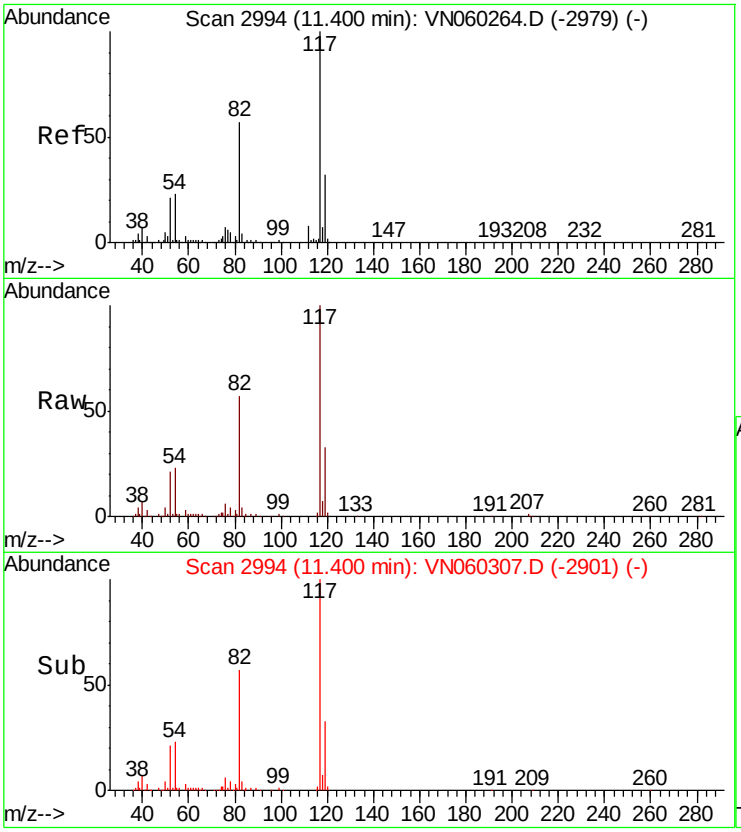




#62
4-Bromofluorobenzene
Concen: 51.489 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060307.D
Acq: 2 Mar 2020 13:34

Tgt Ion: 95 Resp: 158611

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 78.3 | 0.0 | 159.2 |
| 176 | 78.0 | 0.0 | 153.8 |



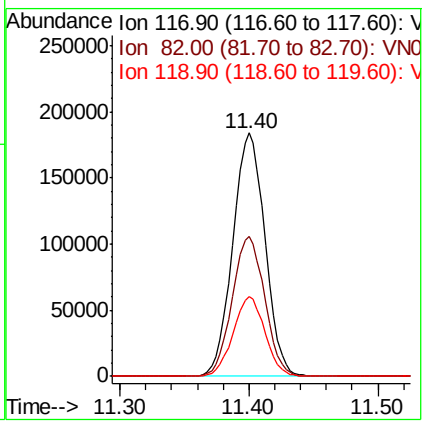


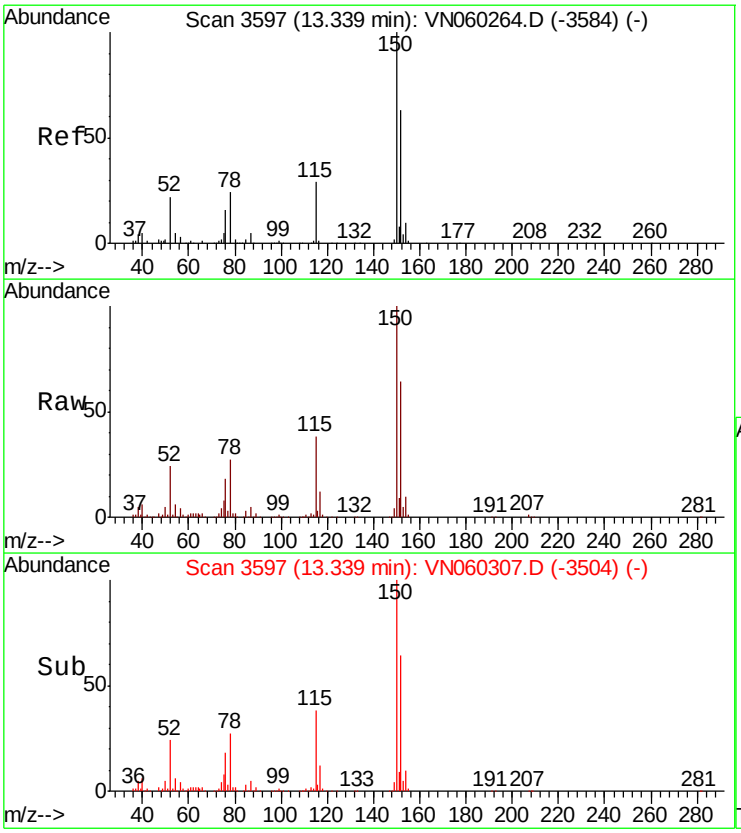

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060307.D
Acq: 2 Mar 2020 13:34

**Instrument :** MSVOA_N
**ClientSampleId :**

Tgt Ion:117 Resp: 319977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 57.3 | 45.8 | 68.6 |
| 119 | 32.7 | 25.8 | 38.8 |

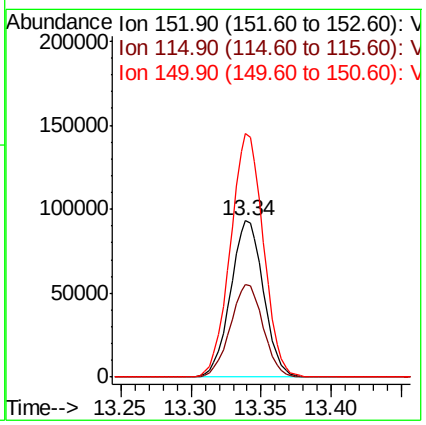


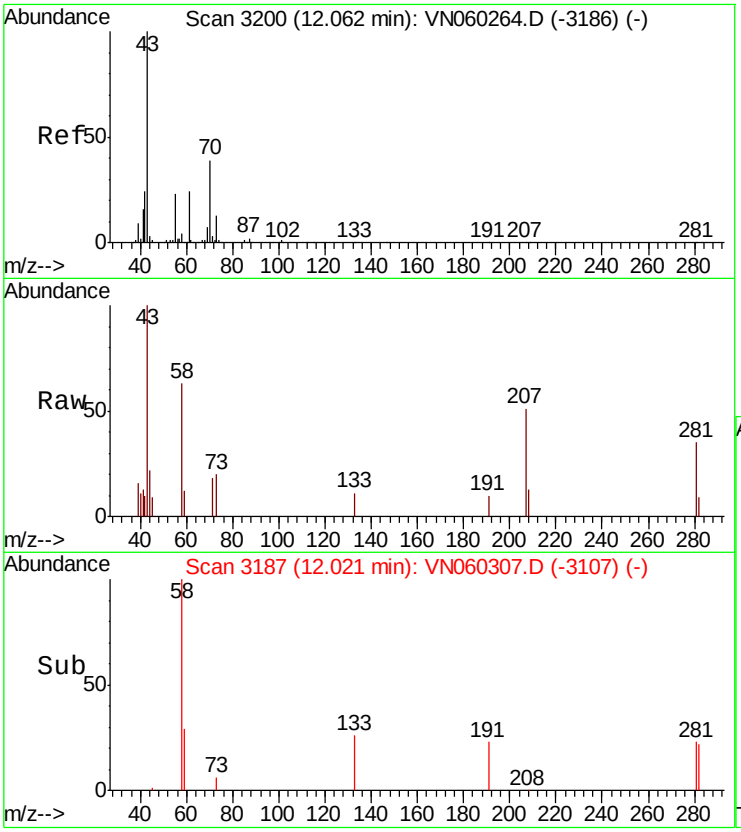




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060307.D
Acq: 2 Mar 2020 13:34

Tgt Ion:152 Resp: 151588

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 59.4 | 30.0 | 90.0 |
| 150 | 156.6 | 0.0 | 349.6 |



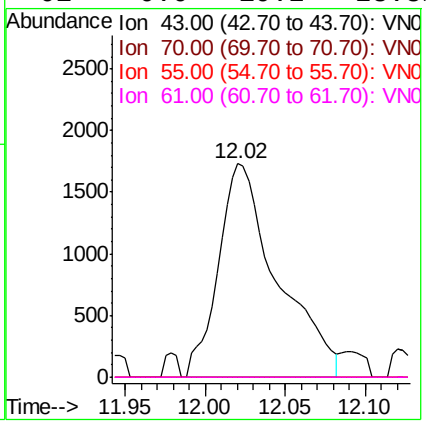


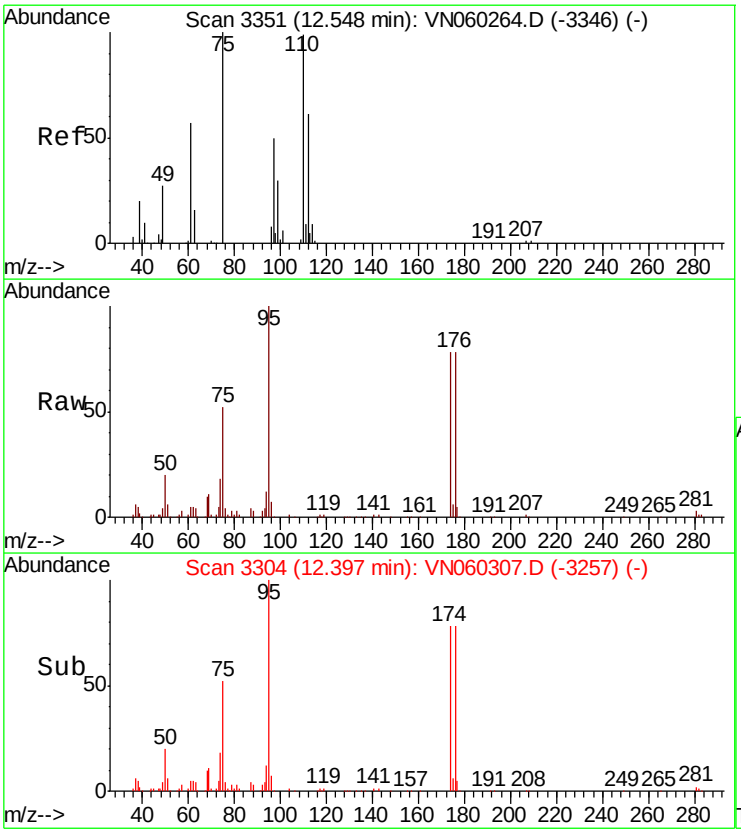

#74
N-amyl acetate
Concen: 0.890 ug/l
RT: 12.02 min Scan# 3187
Delta R.T. -0.04 min
Lab File: VN060307.D
Acq: 2 Mar 2020 13:34

**Instrument :** MSVOA_N
**ClientSampleId :**

Tgt Ion: 43 Resp: 4369

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 0.0 | 32.2 | 48.2# |
| 55 | 0.0 | 18.2 | 27.4# |
| 61 | 0.0 | 19.2 | 28.8# |

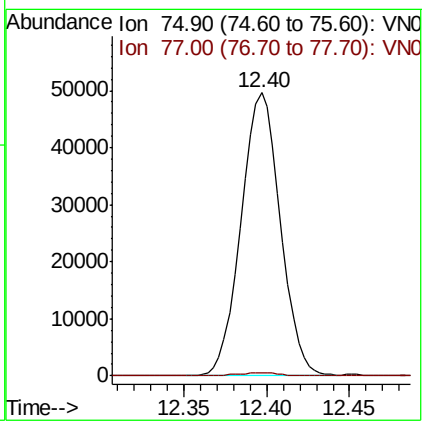


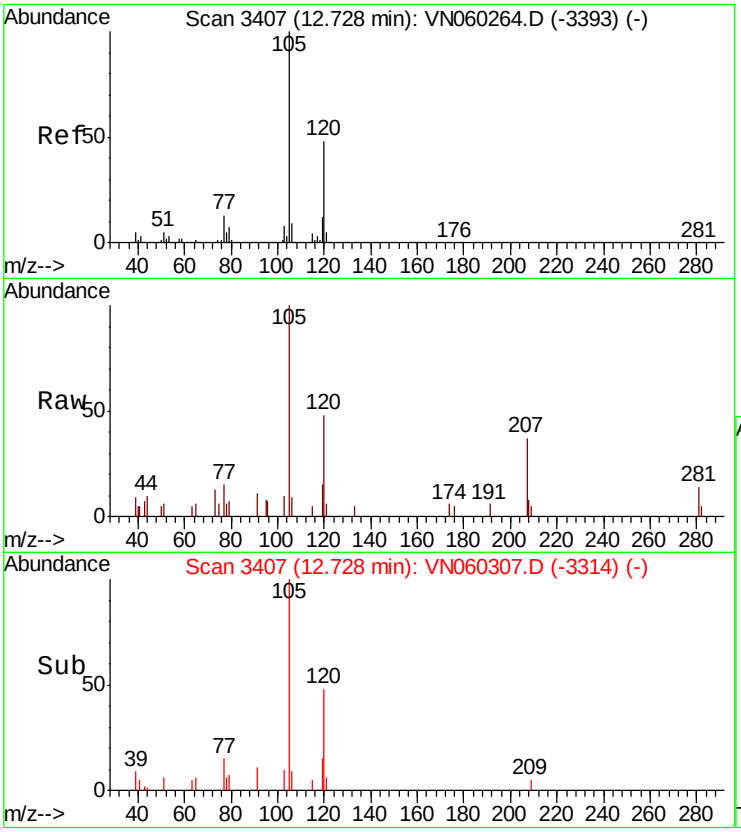




#76
1,2,3-Trichloropropane
Concen: 24.518 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.15 min
Lab File: VN060307.D
Acq: 2 Mar 2020 13:34

Tgt Ion: 75 Resp: 81543

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



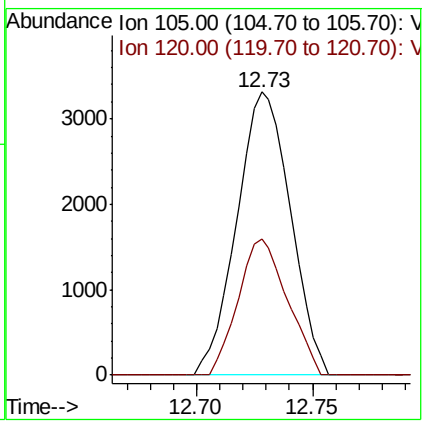


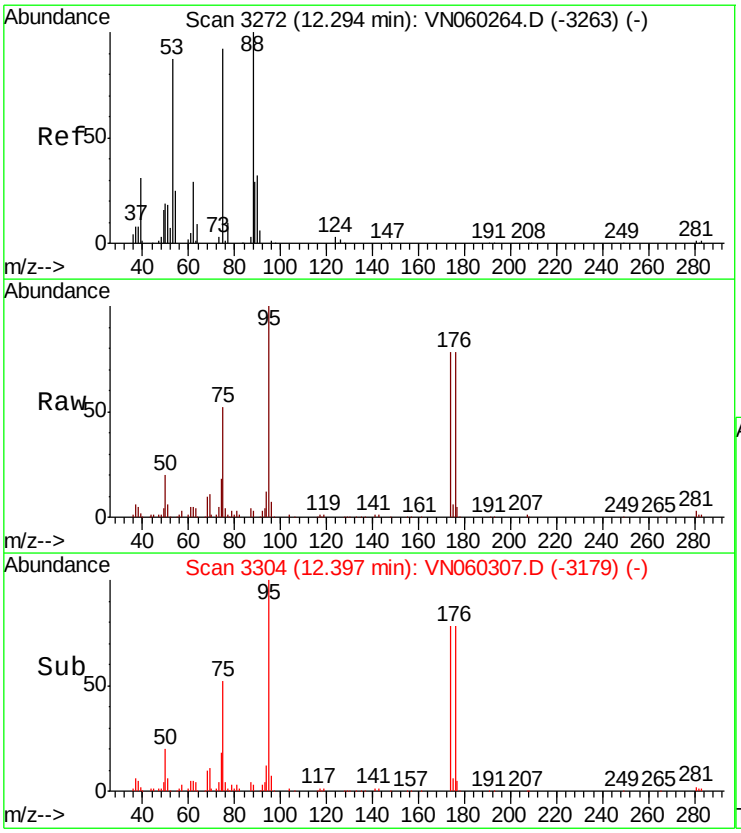

#80
1,3,5-Trimethylbenzene
Concen: 0.562 ug/l
RT: 12.73 min Scan# 3407
Delta R.T. 0.00 min
Lab File: VN060307.D
Acq: 2 Mar 2020 13:34

**Instrument :**
MSVOA_N
**ClientSampleId :**

Tgt Ion:105 Resp: 5315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.1 | 24.1 | 72.4 |

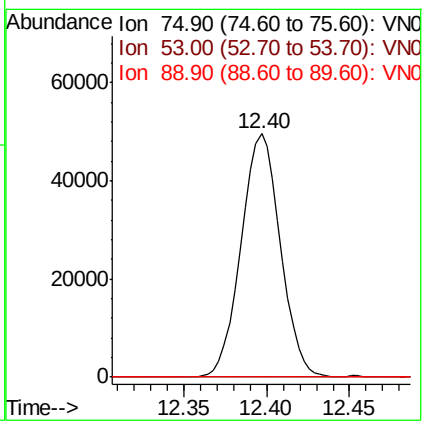


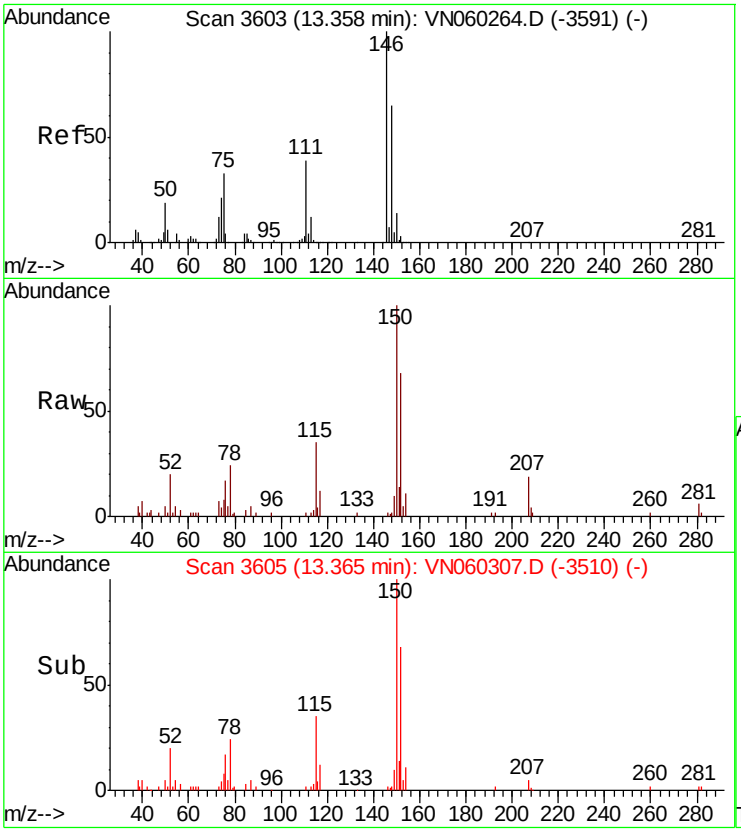




#81
trans-1,4-Dichloro-2-butene
Concen: 67.681 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN060307.D
Acq: 2 Mar 2020 13:34

Tgt Ion: 75 Resp: 81543

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.0 | 73.8 | 110.6# |
| 89 | 0.0 | 57.1 | 85.7# |



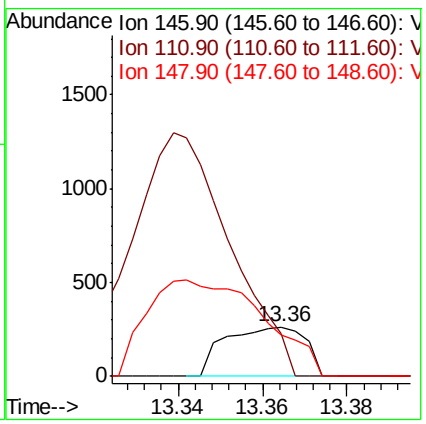


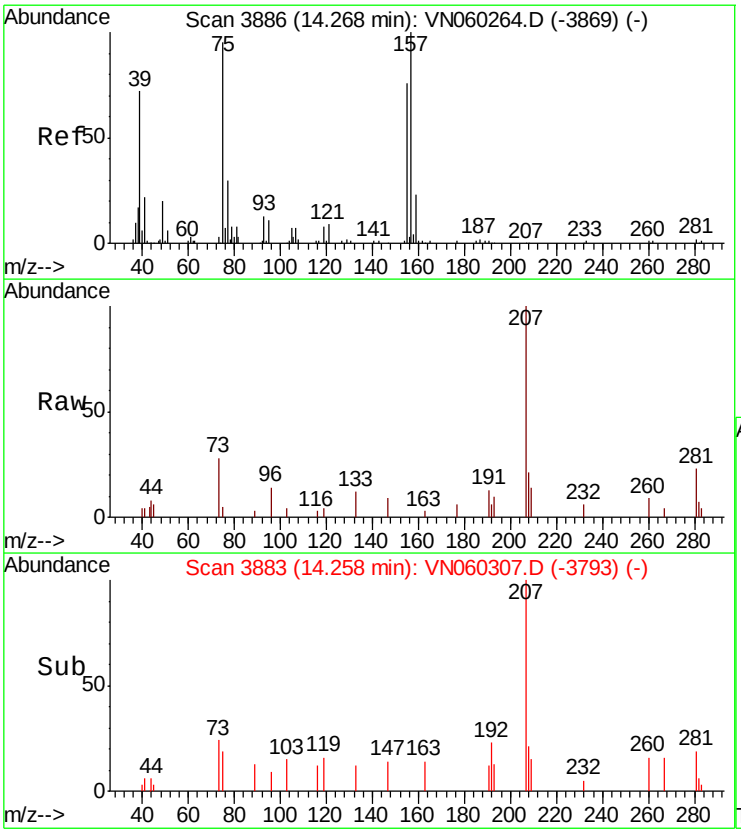

#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.36 min Scan# 3605
Delta R.T. 0.01 min
Lab File: VN060307.D
Acq: 2 Mar 2020 13:34

**Instrument :** MSVOA_N
**ClientSampleId :**

Tgt Ion:146 Resp: 345

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 0.0 | 19.8 | 59.4# |
| 148 | 0.0 | 32.3 | 96.9# |




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.789 ug/l
RT: 14.26 min Scan# 3883
Delta R.T. -0.01 min
Lab File: VN060307.D
Acq: 2 Mar 2020 13:34

Tgt Ion: 75 Resp: 546

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 0.0 | 40.4 | 121.2# |
| 157 | 0.0 | 52.5 | 157.5# |