Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN090418\
Data File : VN051022.D
Acq On : 4 Sep 2018 16:20
Operator : MD\SY
Sample : PB112553ZHE#08
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** PB112553ZHE#08

Quant Time: Sep 05 01:09:52 2018
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 22 05:38:12 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 7.67 | 168 | 589997 | 50.00 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 8.59 | 114 | 973082 | 50.00 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 11.41 | 117 | 806542 | 50.00 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152 | 267850 | 50.00 | ug/l | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.03 | 65 | 389993 | 54.91 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 109.82% | | | | |
| 35) Dibromofluoromethane | 7.59 | 113 | 369408 | 47.72 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 95.44% | | | | |
| 50) Toluene-d8 | 10.09 | 98 | 1301407 | 44.96 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 89.92% | | | | |
| 62) 4-Bromofluorobenzene | 12.40 | 95 | 342895 | 35.65 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 71.30% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 3) Chloromethane | 2.06 | 50 | 1973 | 0.20 | ug/l | | 95 |
| 5) Bromomethane | 2.57 | 94 | 1932 | Below Cal | | # | 76 |
| 10) Methyl Iodide | 3.96 | 142 | 136 | 6.36 | ug/l | # | 43 |
| 13) Acrolein | 3.62 | 56 | 120 | 18.33 | ug/l | # | 14 |
| 14) Allyl chloride | 4.56 | 41 | 3957 | 0.38 | ug/l | # | 26 |
| 16) Acetone | 3.82 | 43 | 42916 | 18.99 | ug/l | | 90 |
| 18) Methyl Acetate | 4.34 | 43 | 15038 | 2.24 | ug/l | | 94 |
| 20) Methylene Chloride | 4.55 | 84 | 115893 | 14.48 | ug/l | | 98 |
| 25) 2-Butanone | 6.85 | 43 | 1024 | 0.36 | ug/l | | 95 |
| 29) Tetrahydrofuran | 7.23 | 42 | 1496 | 0.91 | ug/l | # | 53 |
| 31) Cyclohexane | 7.67 | 56 | 10319 | 1.31 | ug/l | # | 1 |
| 36) 1,1-Dichloropropene | 7.67 | 75 | 39118 | 3.41 | ug/l | # | 48 |
| 38) Carbon Tetrachloride | 7.67 | 117 | 51356 | 4.42 | ug/l | # | 17 |
| 43) Isopropyl Acetate | 8.17 | 43 | 300323 | 26.48 | ug/l | | 94 |
| 48) Methyl methacrylate | 9.18 | 41 | 7726 | 1.34 | ug/l | # | 19 |
| 51) 4-Methyl-2-Pentanone | 9.99 | 43 | 1599 | 0.24 | ug/l | # | 79 |
| 56) Ethyl methacrylate | 10.29 | 69 | 137 | 2.36 | ug/l | # | 1 |
| 59) 2-Hexanone | 10.77 | 43 | 17613 | 3.91 | ug/l | # | 57 |
| 70) Styrene | 11.97 | 104 | 60 | 1.27 | ug/l | # | 28 |
| 75) 1,1,2,2-Tetrachloroethane | 12.41 | 83 | 166 | Below Cal | | # | 1 |
| 76) 1,2,3-Trichloropropane | 12.40 | 75 | 158301 | 33.74 | ug/l | # | 100 |
| 80) 1,3,5-Trimethylbenzene | 12.73 | 105 | 3859 | 0.22 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75 | 158301 | 114.07 | ug/l | # | 15 |
| 95) Naphthalene | 15.13 | 128 | 29 | 5.40 | ug/l | # | 69 |

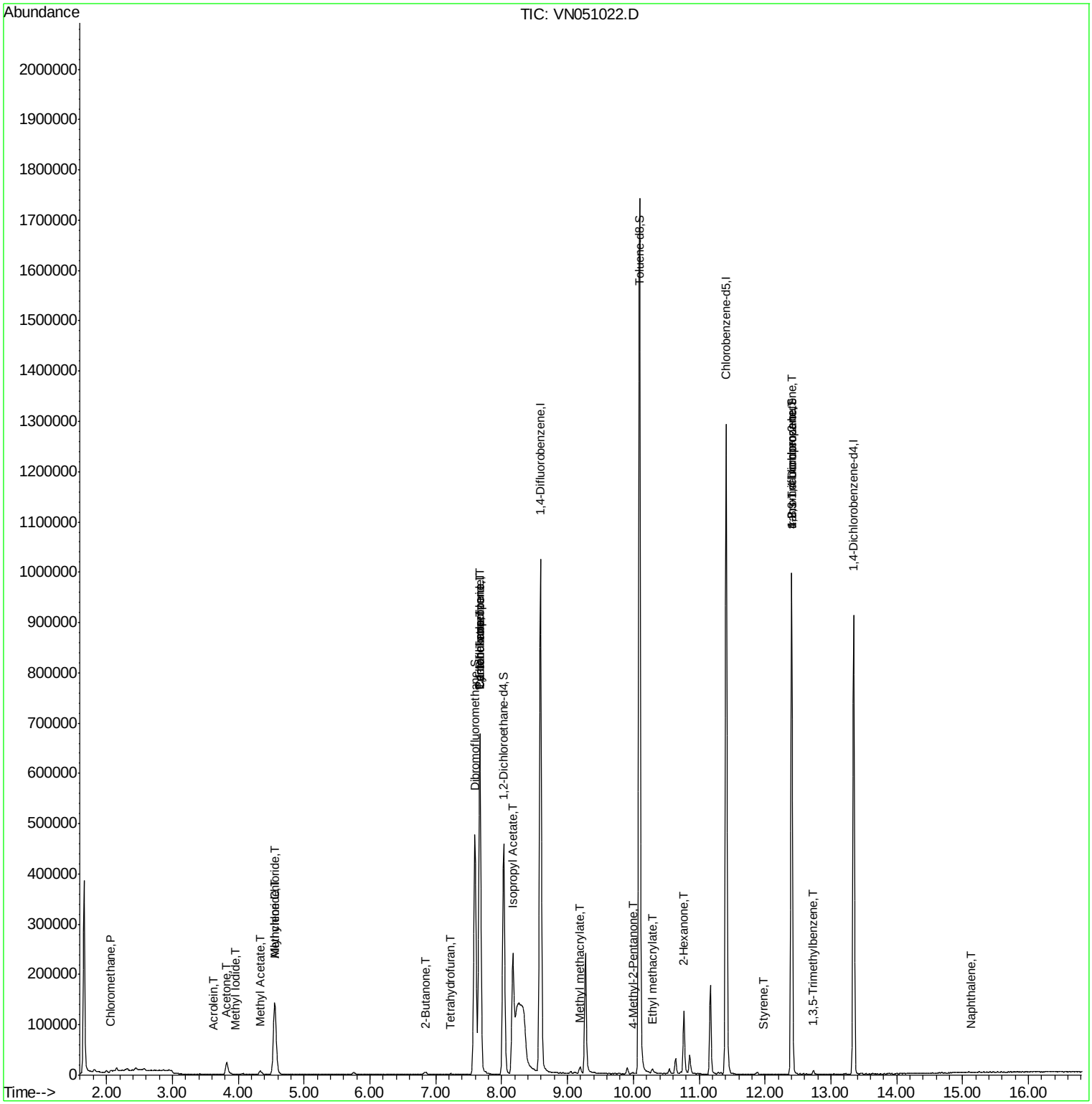
(#) = qualifier out of range (m) = manual integration (+) = signals summed

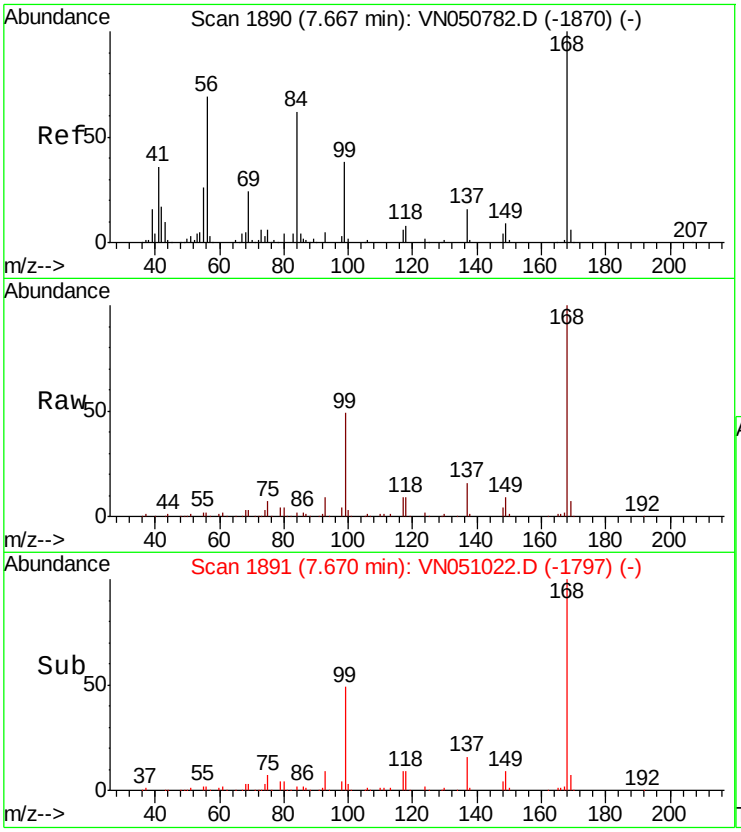
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090418\
Data File : VN051022.D
Acq On : 4 Sep 2018 16:20
Operator : MD\SY
Sample : PB112553ZHE#08
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
PB112553ZHE#08

Quant Time: Sep 05 01:09:52 2018
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 22 05:38:12 2018
Response via : Initial Calibration



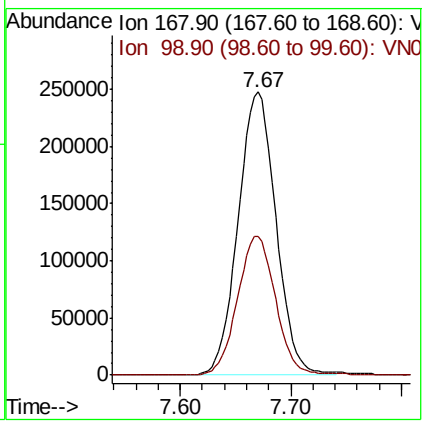


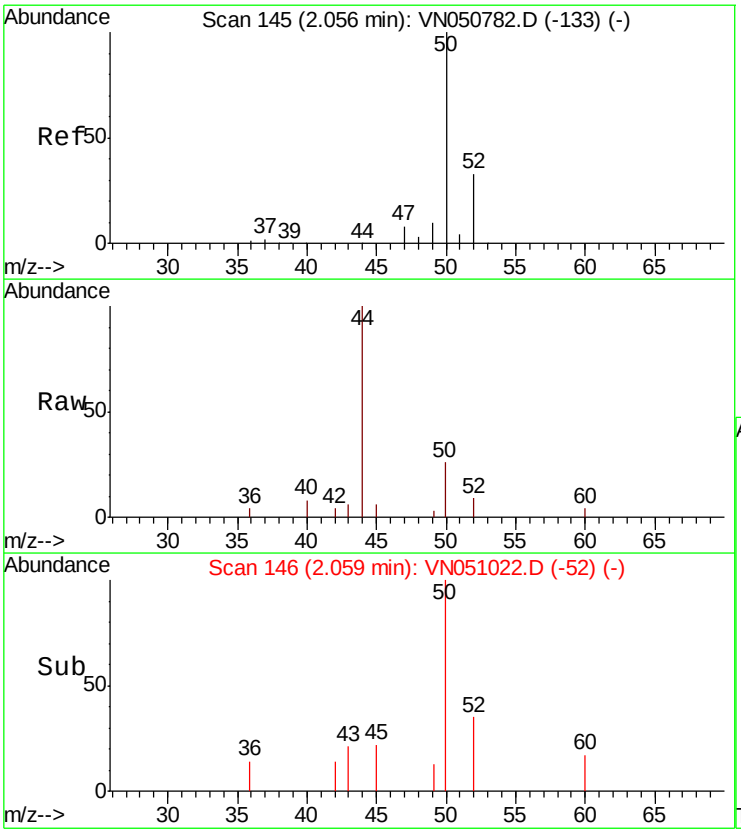

#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. 0.00 min
Lab File: VN051022.D
Acq: 4 Sep 2018 16:20

**Instrument :**
MSVOA_N
**ClientSampleId :**
PB112553ZHE#08

Tgt Ion:168 Resp: 589997

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 49.1 | 39.6 | 59.4 |

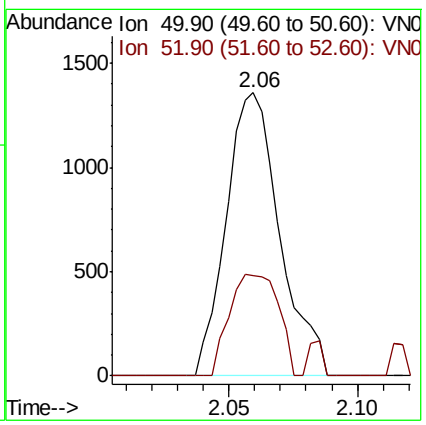


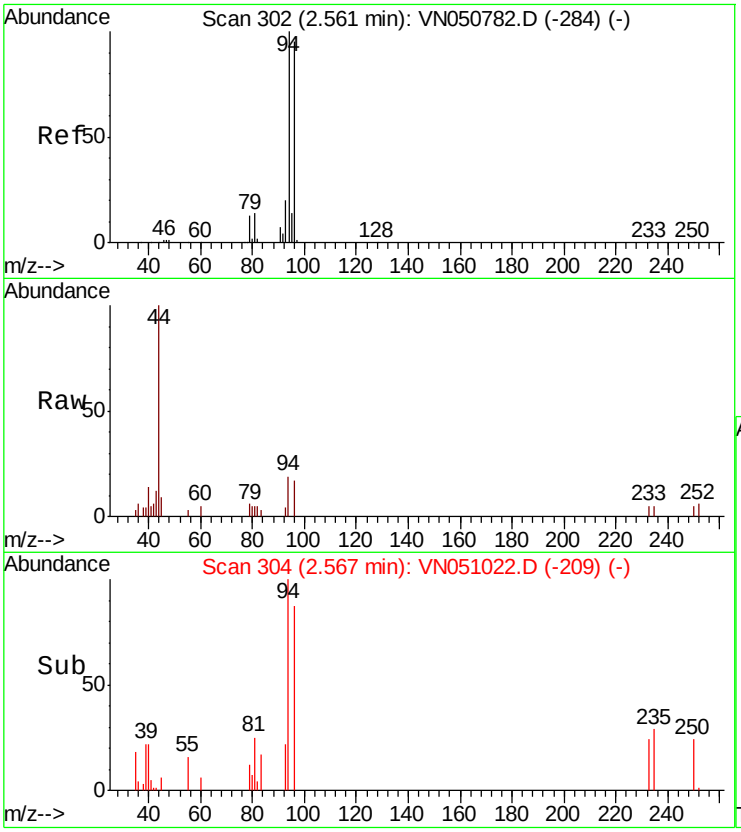




#3
Chloromethane
Concen: 0.20 ug/l
RT: 2.06 min Scan# 146
Delta R.T. 0.00 min
Lab File: VN051022.D
Acq: 4 Sep 2018 16:20

Tgt Ion: 50 Resp: 1973

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 35.5 | 26.3 | 39.5 |



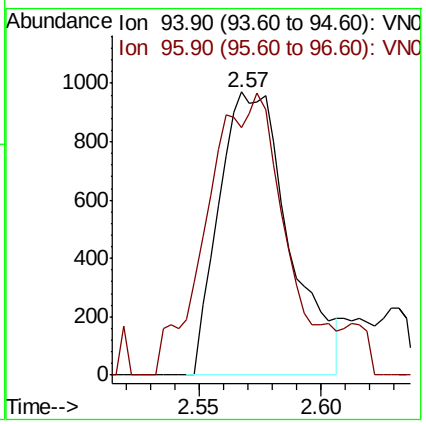


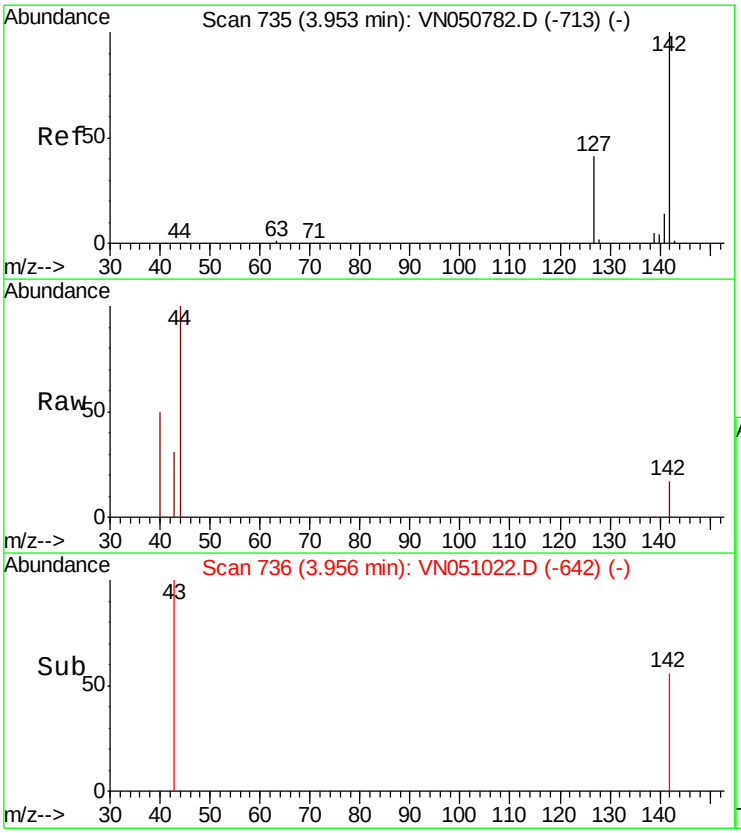

#5
Bromomethane
Concen: Below Cal
RT: 2.57 min Scan# 304
Delta R.T. 0.01 min
Lab File: VN051022.D
Acq: 4 Sep 2018 16:20

**Instrument :**
MSVOA_N
**ClientSampleId :**
PB112553ZHE#08

Tgt Ion: 94 Resp: 1932

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 71.6 | 76.2 | 114.2# |

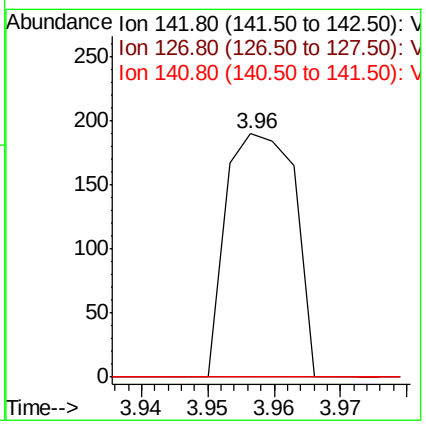


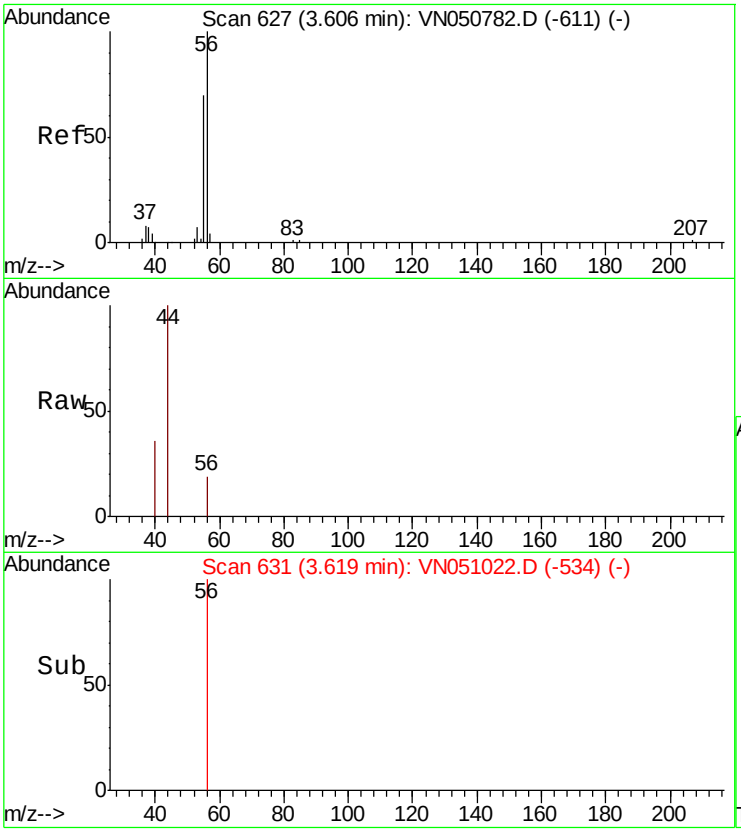




#10
Methyl Iodide
Concen: 6.36 ug/l
RT: 3.96 min Scan# 736
Delta R.T. 0.00 min
Lab File: VN051022.D
Acq: 4 Sep 2018 16:20

Tgt Ion:142 Resp: 136

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 0.0 | 31.7 | 47.5# |
| 141 | 0.0 | 11.4 | 17.0# |



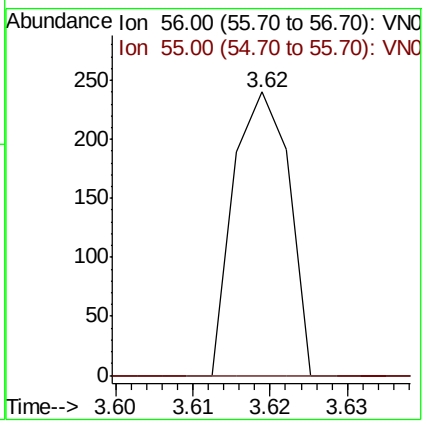


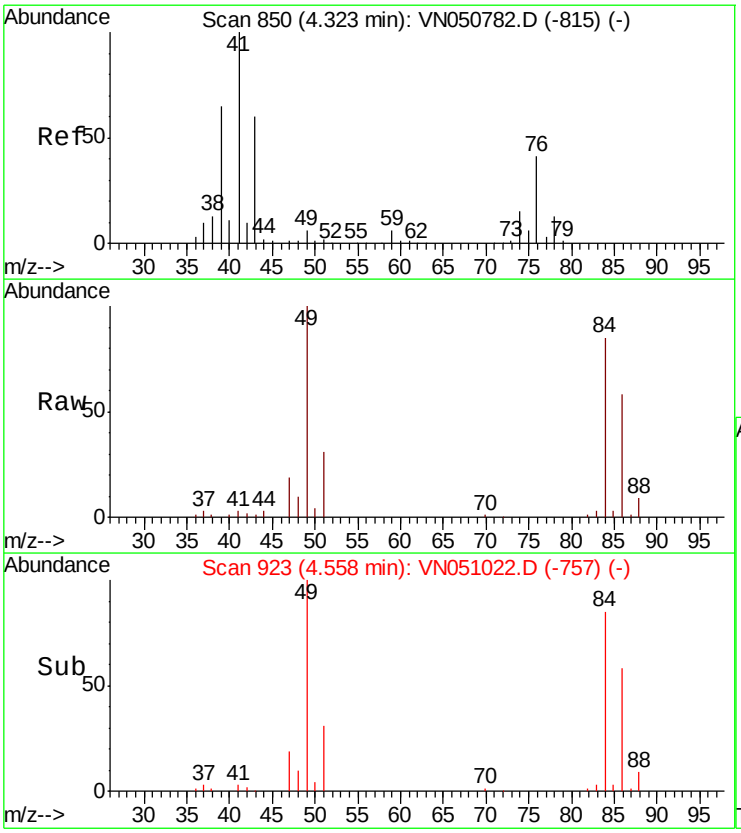

#13
Acrolein
Concen: 18.33 ug/l
RT: 3.62 min Scan# 631
Delta R.T. 0.01 min
Lab File: VN051022.D
Acq: 4 Sep 2018 16:20

**Instrument :**
MSVOA_N
**ClientSampleId :**
PB112553ZHE#08

Tgt Ion: 56 Resp: 120

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 0.0 | 57.7 | 86.5# |

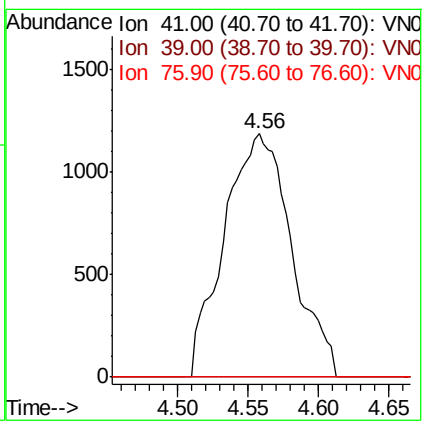


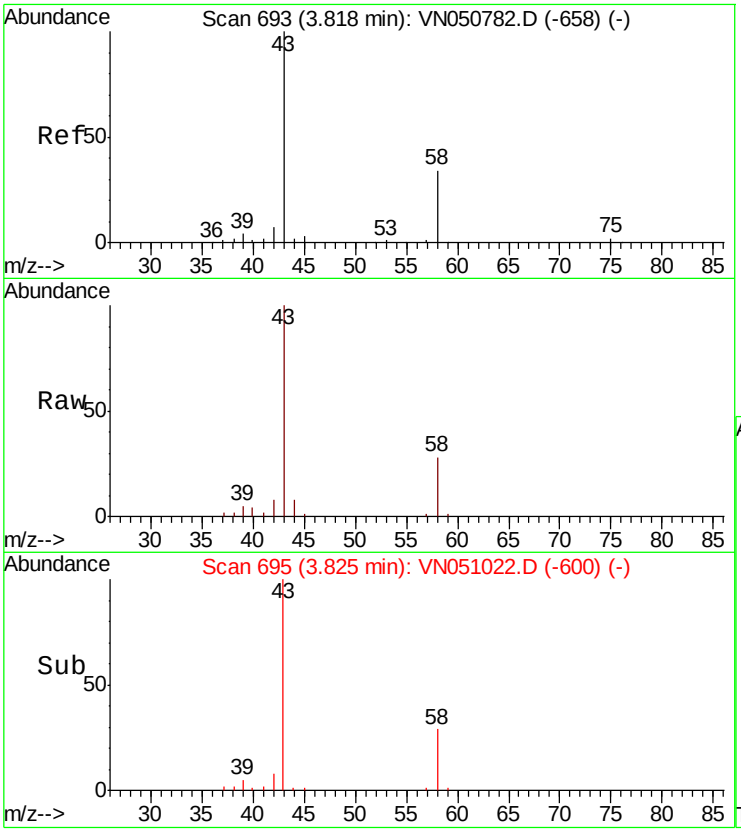




#14
Allyl chloride
Concen: 0.38 ug/l
RT: 4.56 min Scan# 923
Delta R.T. 0.23 min
Lab File: VN051022.D
Acq: 4 Sep 2018 16:20

Tgt Ion: 41 Resp: 3957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 0.0 | 50.2 | 75.2# |
| 76 | 0.0 | 29.8 | 44.8# |



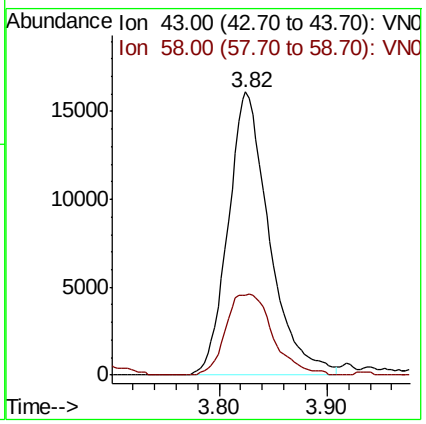


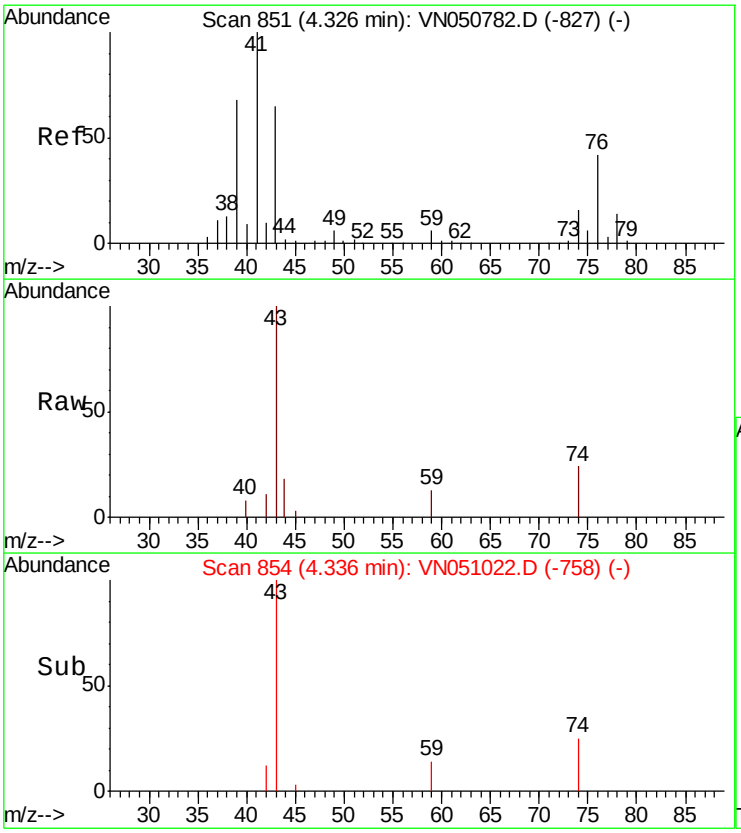

#16
Acetone
Concen: 18.99 ug/l
RT: 3.82 min Scan# 695
Delta R.T. 0.01 min
Lab File: VN051022.D
Acq: 4 Sep 2018 16:20

**Instrument :**
MSVOA_N
**ClientSampleId :**
PB112553ZHE#08

Tgt Ion: 43 Resp: 42916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 28.3 | 27.2 | 40.8 |

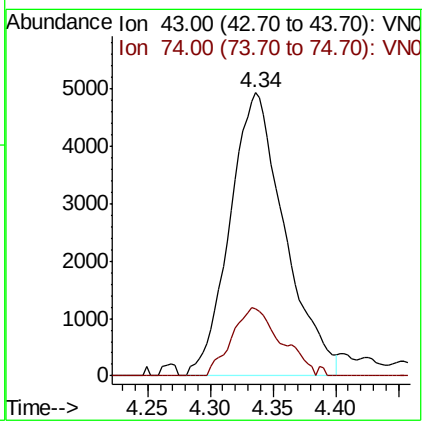


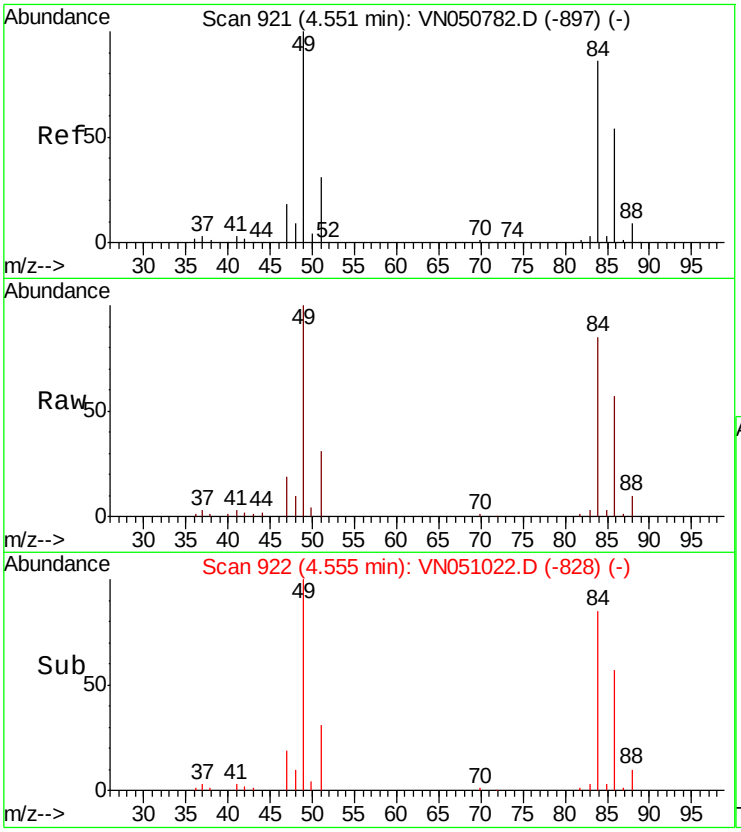




#18
Methyl Acetate
Concen: 2.24 ug/l
RT: 4.34 min Scan# 854
Delta R.T. 0.01 min
Lab File: VN051022.D
Acq: 4 Sep 2018 16:20

Tgt Ion: 43 Resp: 15038

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 21.6 | 19.8 | 29.8 |



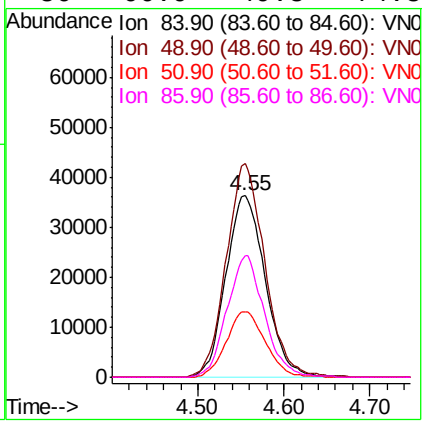


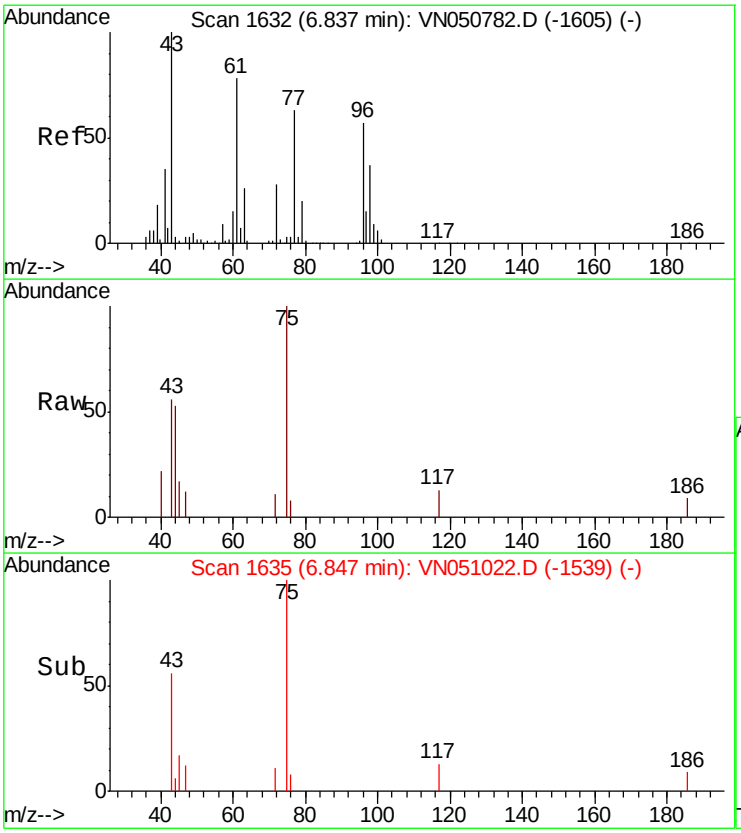

#20
Methylene Chloride
Concen: 14.48 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN051022.D
Acq: 4 Sep 2018 16:20

**Instrument :** MSVOA_N
**ClientSampleId :** PB112553ZHE#08

Tgt Ion: 84 Resp: 115893

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 117.6 | 93.2 | 139.8 |
| 51 | 36.1 | 29.0 | 43.6 |
| 86 | 66.9 | 49.8 | 74.8 |

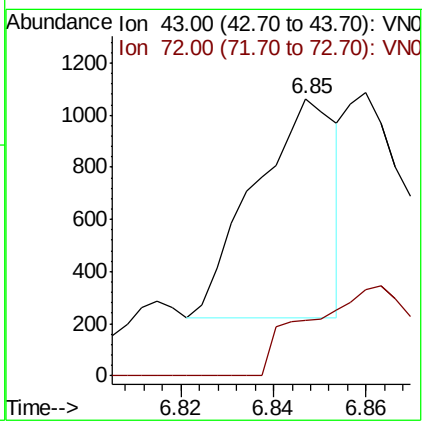


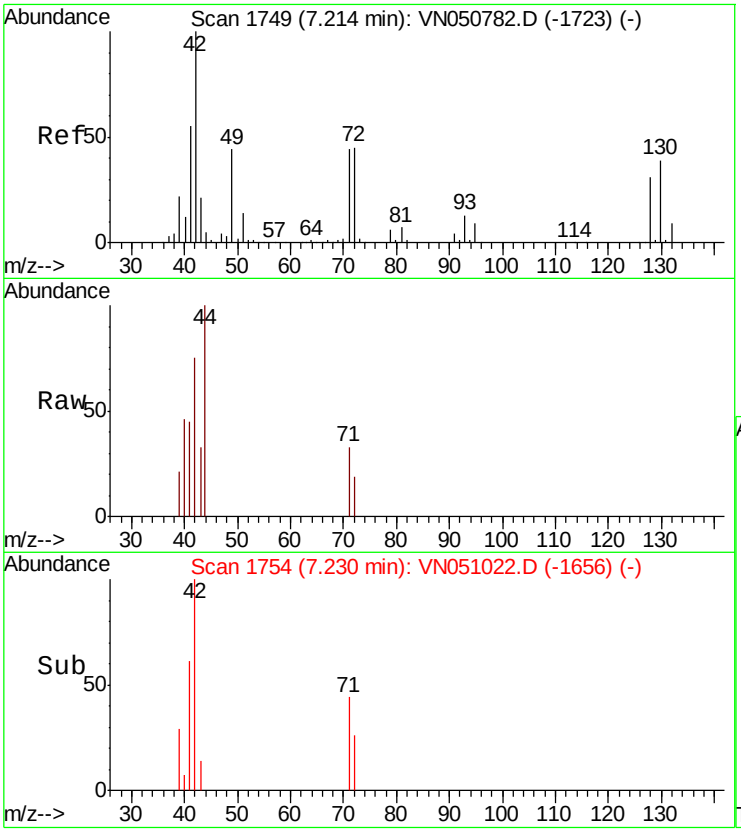




#25
2-Butanone
Concen: 0.36 ug/l
RT: 6.85 min Scan# 1635
Delta R.T. 0.01 min
Lab File: VN051022.D
Acq: 4 Sep 2018 16:20

Tgt Ion: 43 Resp: 1024

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 25.2 | 22.3 | 33.5 |



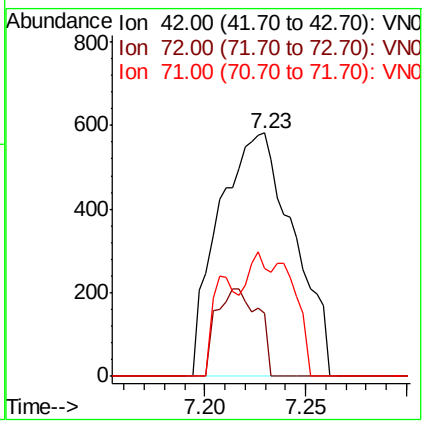


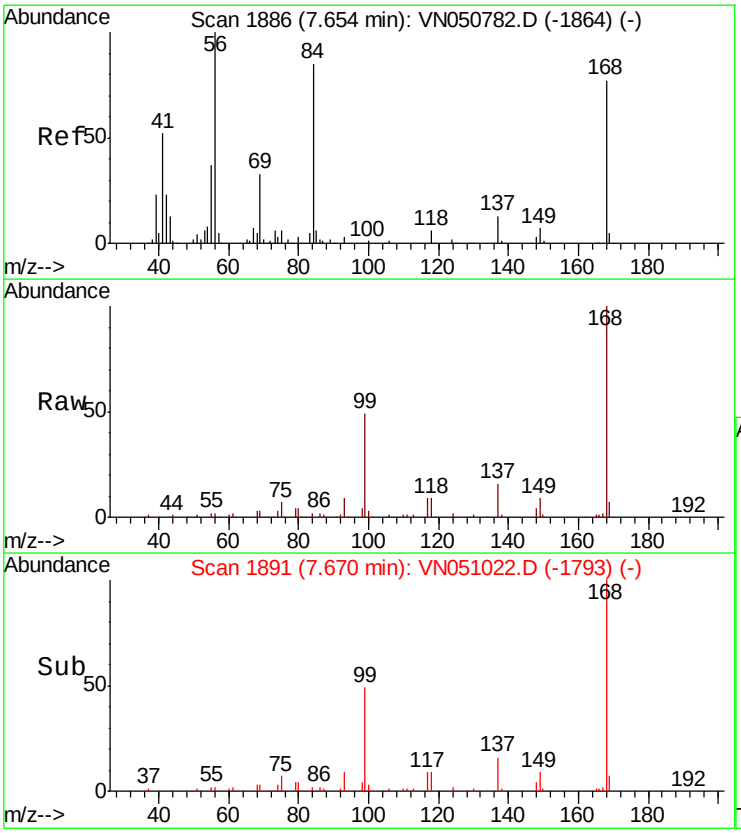

#29
Tetrahydrofuran
Concen: 0.91 ug/l
RT: 7.23 min Scan# 1754
Delta R.T. 0.02 min
Lab File: VN051022.D
Acq: 4 Sep 2018 16:20

**Instrument :**
MSVOA_N
**ClientSampleId :**
PB112553ZHE#08

Tgt Ion: 42 Resp: 1496

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 20.1 | 35.5 | 53.3# |
| 71 | 6.0 | 33.7 | 50.5# |

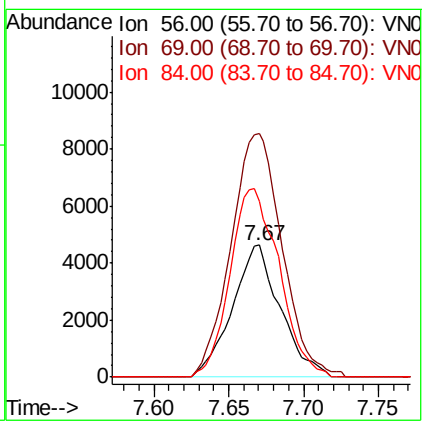


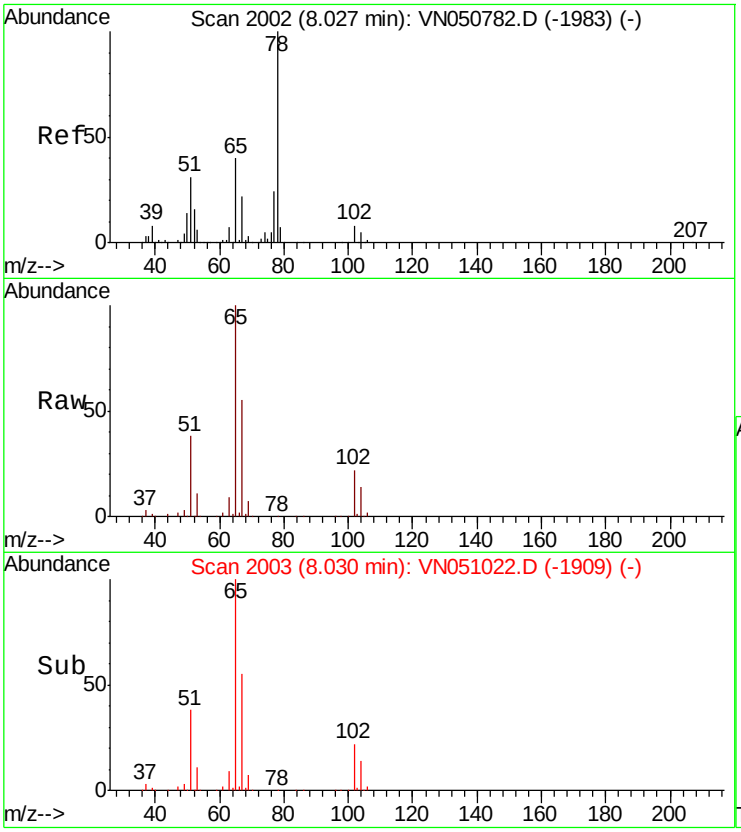




#31
Cyclohexane
Concen: 1.31 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. 0.02 min
Lab File: VN051022.D
Acq: 4 Sep 2018 16:20

Tgt Ion: 56 Resp: 10319

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 184.8 | 26.2 | 39.4# |
| 84 | 133.7 | 68.3 | 102.5# |



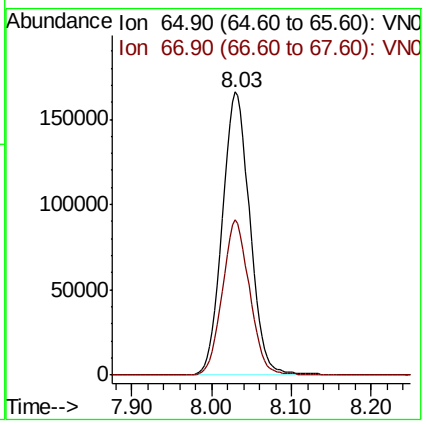


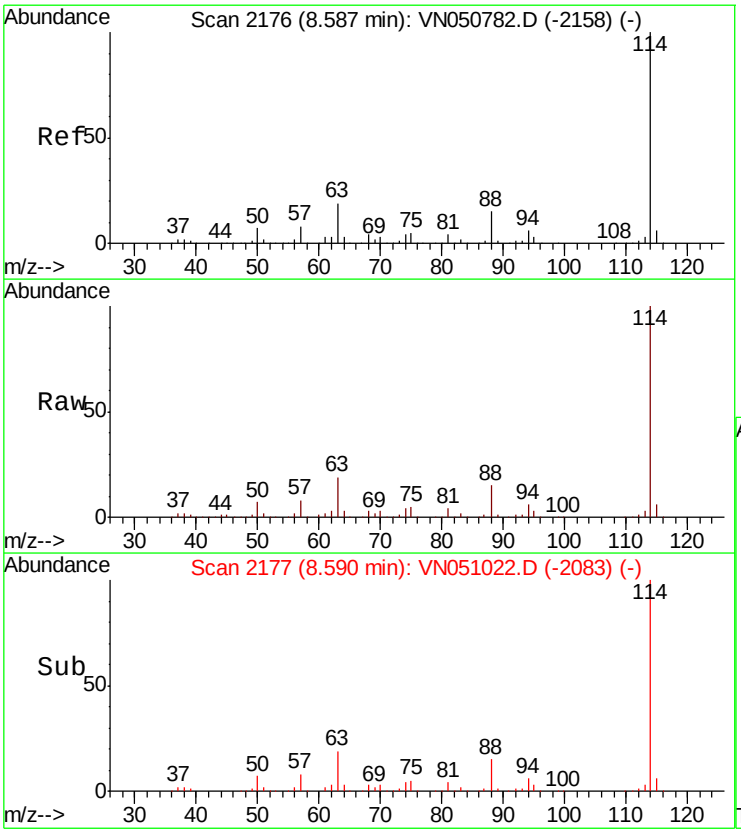

#33
1,2-Dichloroethane-d4
Concen: 54.91 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. 0.00 min
Lab File: VN051022.D
Acq: 4 Sep 2018 16:20

**Instrument :**
MSVOA_N
**ClientSampleId :**
PB112553ZHE#08

Tgt Ion: 65 Resp: 389993

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 53.9 | 0.0 | 110.4 |

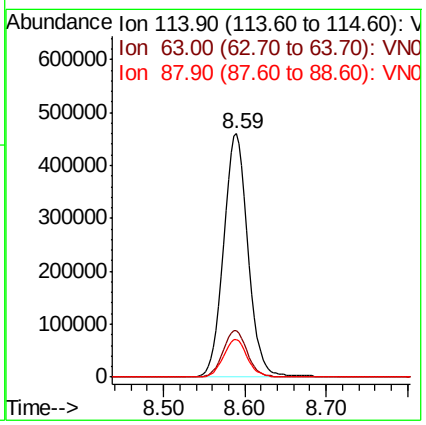


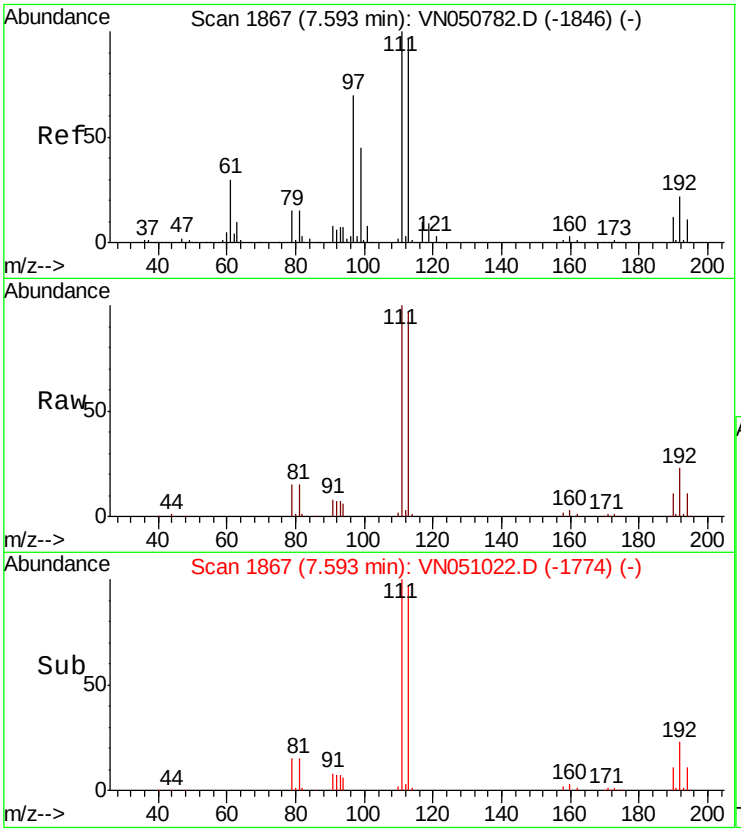




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.59 min Scan# 2177
Delta R.T. 0.00 min
Lab File: VN051022.D
Acq: 4 Sep 2018 16:20

Tgt Ion:114 Resp: 973082

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.1 | 0.0 | 38.6 |
| 88 | 15.4 | 0.0 | 30.6 |



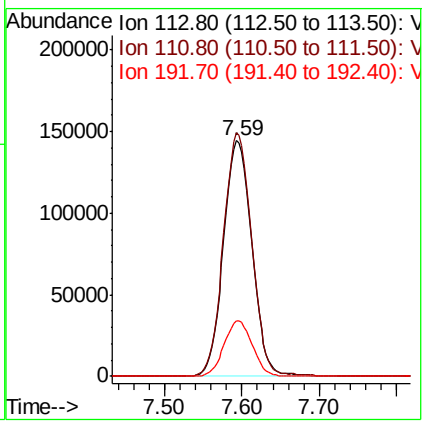


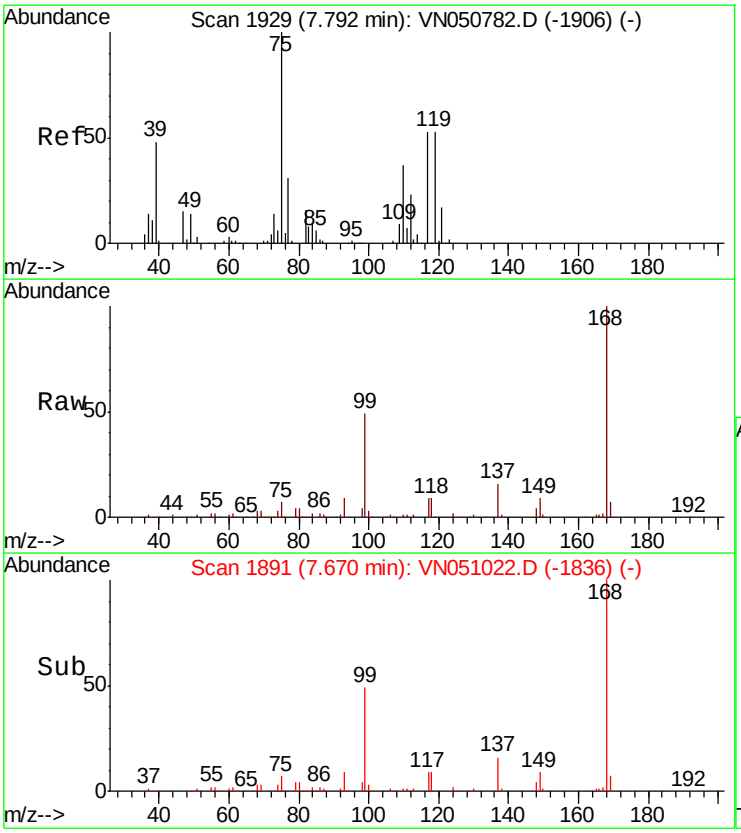

#35
Dibromofluoromethane
Concen: 47.72 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN051022.D
Acq: 4 Sep 2018 16:20

**Instrument :**
MSVOA_N
**ClientSampleId :**
PB112553ZHE#08

Tgt Ion:113 Resp: 369408

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.3 | 82.6 | 123.8 |
| 192 | 23.4 | 18.0 | 27.0 |

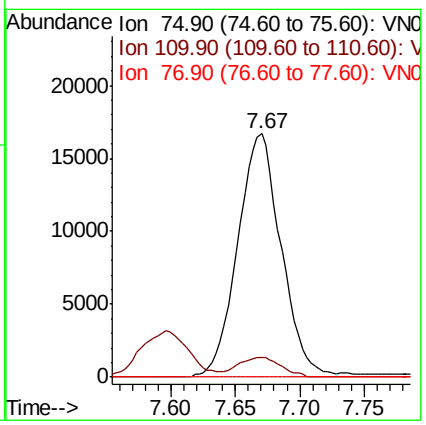


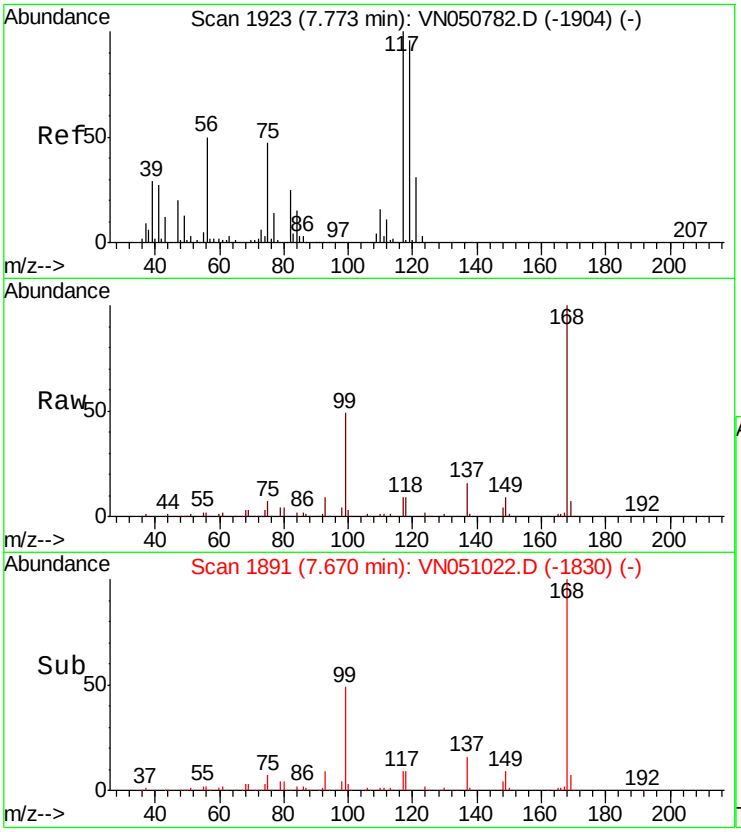




#36
1,1-Dichloropropene
Concen: 3.41 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. -0.12 min
Lab File: VN051022.D
Acq: 4 Sep 2018 16:20

Tgt Ion: 75 Resp: 39118

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 8.1 | 18.1 | 54.4# |
| 77 | 0.0 | 24.8 | 37.2# |



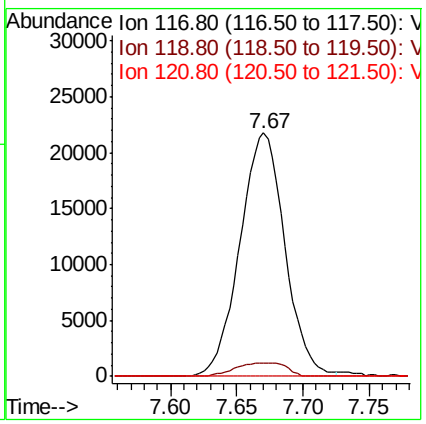


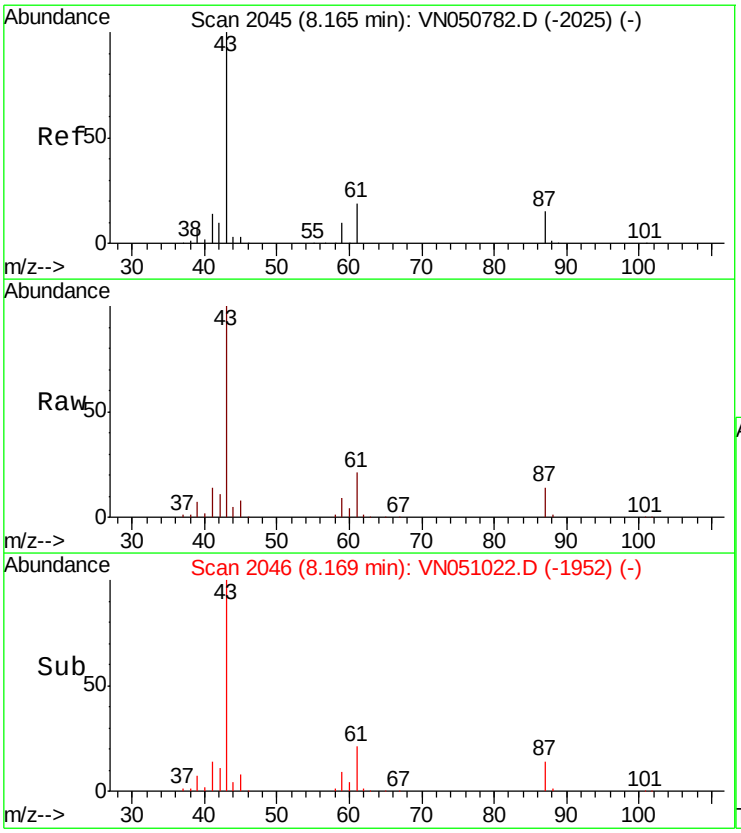

#38
Carbon Tetrachloride
Concen: 4.42 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. -0.10 min
Lab File: VN051022.D
Acq: 4 Sep 2018 16:20

**Instrument :**
MSVOA_N
**ClientSampleId :**
PB112553ZHE#08

Tgt Ion:117 Resp: 51356

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 5.6 | 76.3 | 114.5# |
| 121 | 0.0 | 24.6 | 36.8# |

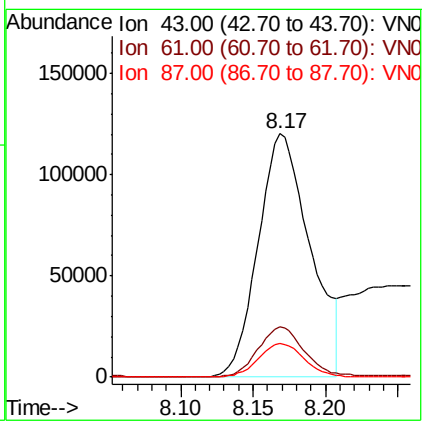


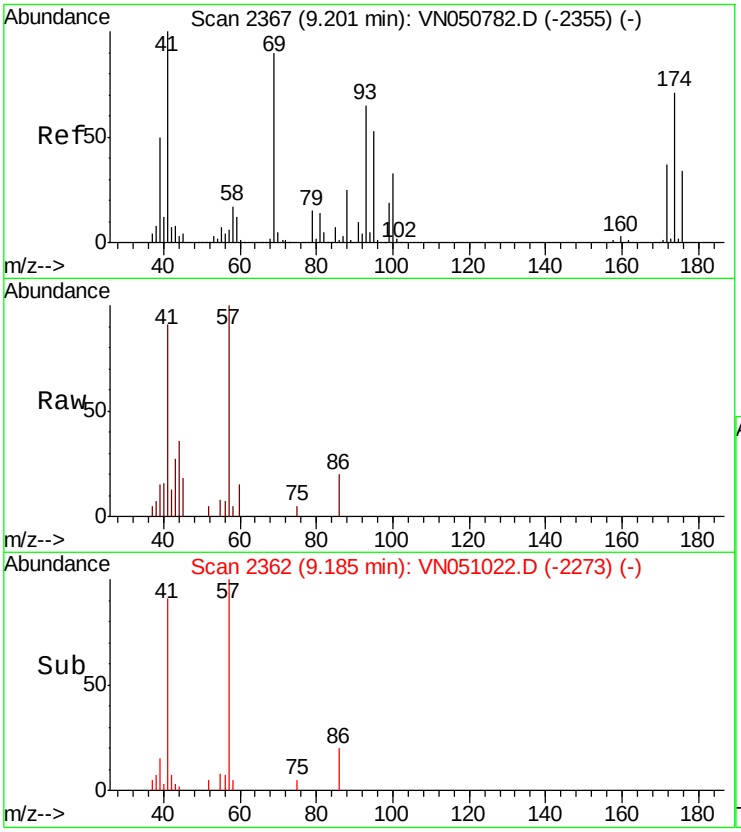




#43
Isopropyl Acetate
Concen: 26.48 ug/l
RT: 8.17 min Scan# 2046
Delta R.T. 0.00 min
Lab File: VN051022.D
Acq: 4 Sep 2018 16:20

Tgt Ion: 43 Resp: 300323

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.5 | 17.5 | 26.3 |
| 87 | 12.2 | 11.3 | 16.9 |



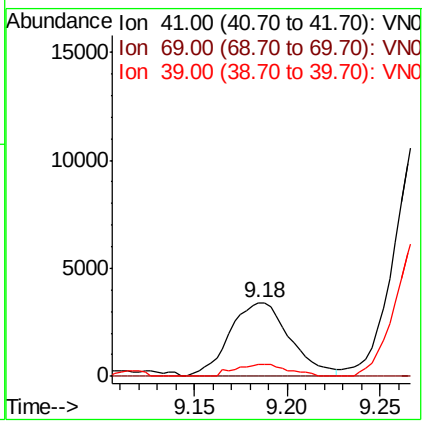


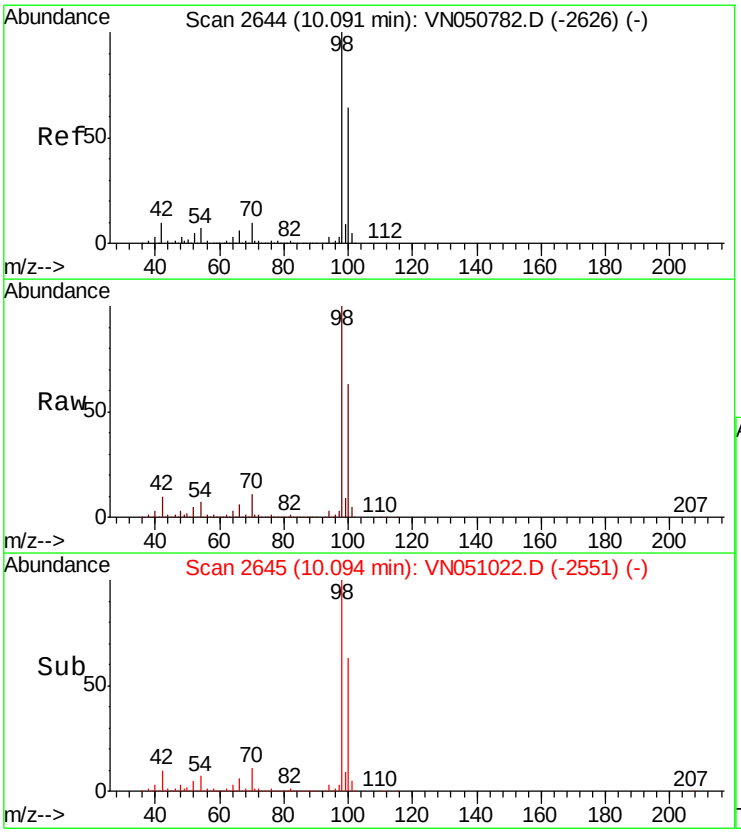

#48
Methyl methacrylate
Concen: 1.34 ug/l
RT: 9.18 min Scan# 2362
Delta R.T. -0.02 min
Lab File: VN051022.D
Acq: 4 Sep 2018 16:20

**Instrument :**
MSVOA_N
**ClientSampleId :**
PB112553ZHE#08

Tgt Ion: 41 Resp: 7726

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 0.0 | 74.7 | 112.1# |
| 39 | 14.7 | 42.2 | 63.2# |

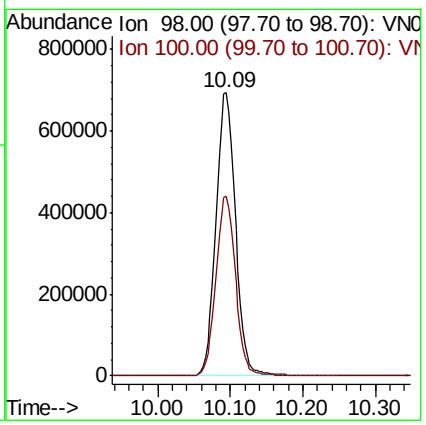


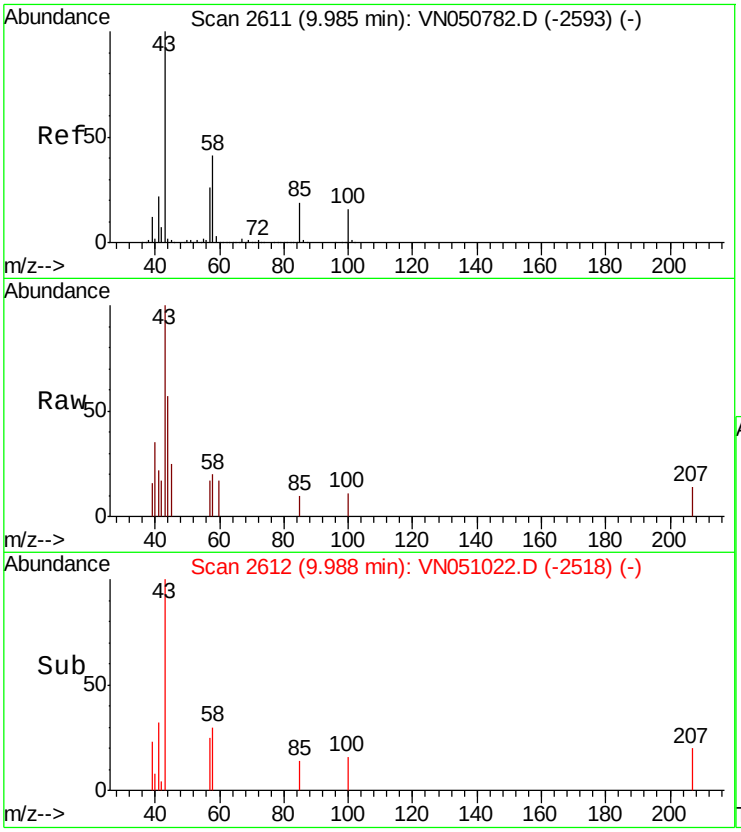




#50
Toluene-d8
Concen: 44.96 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN051022.D
Acq: 4 Sep 2018 16:20

Tgt Ion: 98 Resp: 1301407

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 63.7 | 51.5 | 77.3 |



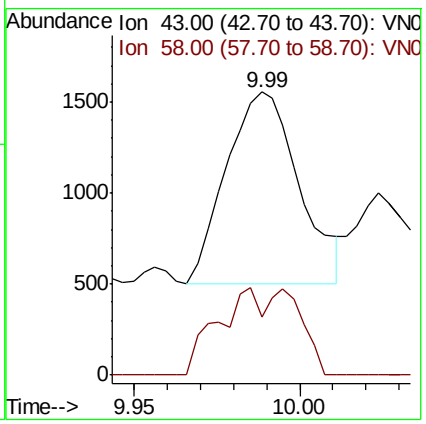


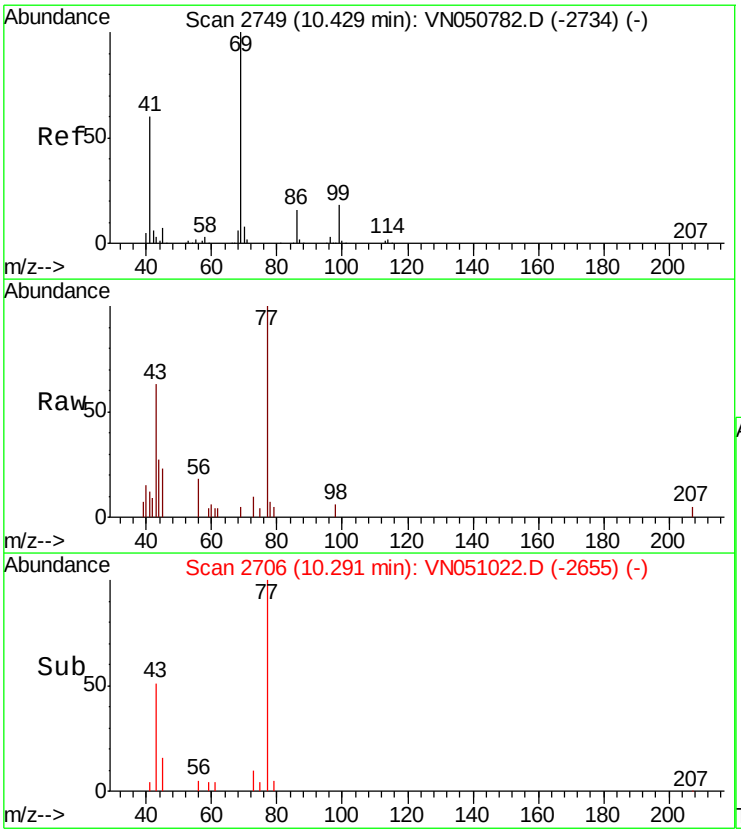

#51
4-Methyl-2-Pentanone
Concen: 0.24 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN051022.D
Acq: 4 Sep 2018 16:20

**Instrument :**
MSVOA_N
**ClientSampleId :**
PB112553ZHE#08

Tgt Ion: 43 Resp: 1599

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 27.6 | 32.4 | 48.6# |

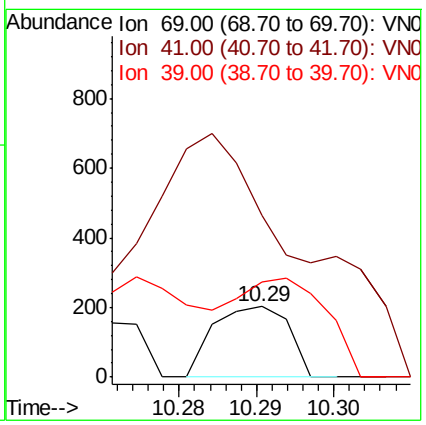


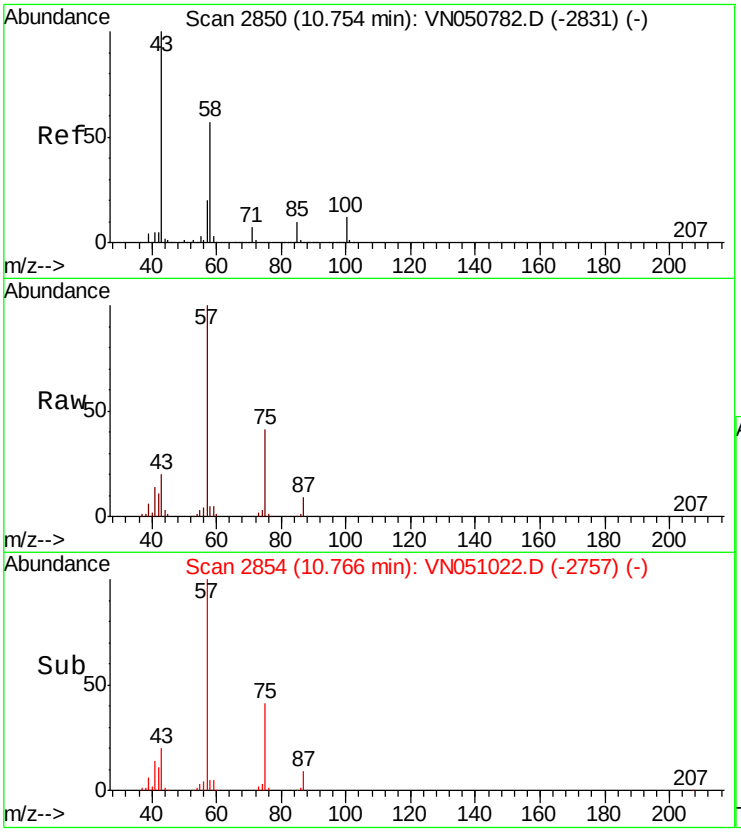




#56
Ethyl methacrylate
Concen: 2.36 ug/l
RT: 10.29 min Scan# 2706
Delta R.T. -0.14 min
Lab File: VN051022.D
Acq: 4 Sep 2018 16:20

Tgt Ion: 69 Resp: 137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 763.5 | 48.3 | 72.5# |
| 39 | 167.2 | 24.0 | 36.0# |



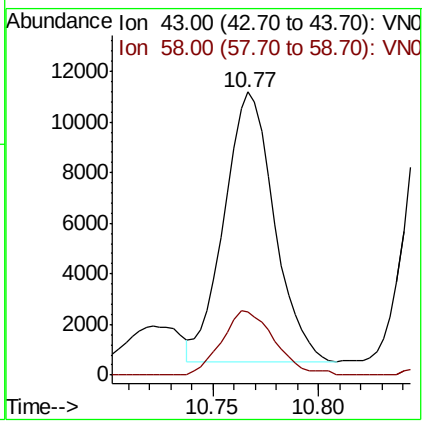


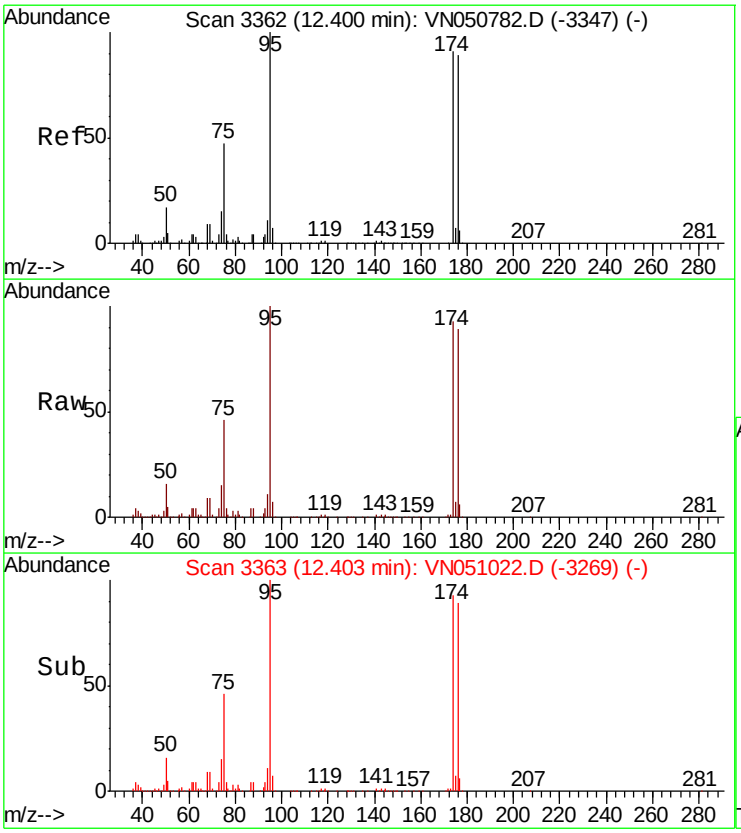

#59
2-Hexanone
Concen: 3.91 ug/l
RT: 10.77 min Scan# 2854
Delta R.T. 0.01 min
Lab File: VN051022.D
Acq: 4 Sep 2018 16:20

**Instrument :**
MSVOA_N
**ClientSampleId :**
PB112553ZHE#08

Tgt Ion: 43 Resp: 17613

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 25.1 | 28.3 | 85.0# |

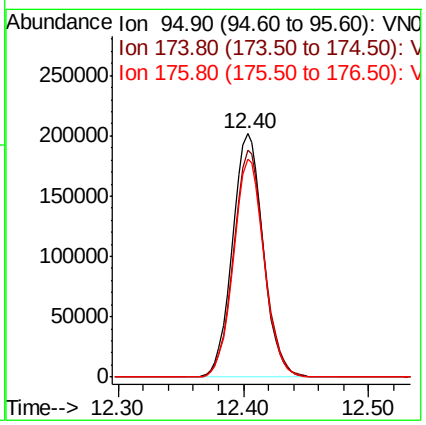


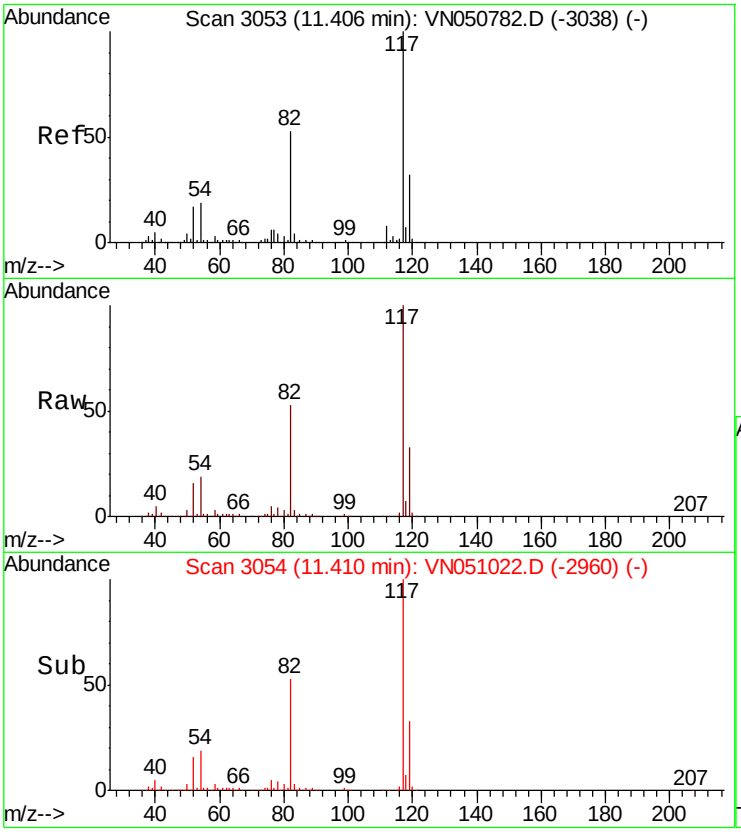




#62
4-Bromofluorobenzene
Concen: 35.65 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN051022.D
Acq: 4 Sep 2018 16:20

Tgt Ion: 95 Resp: 342895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 93.4 | 0.0 | 183.0 |
| 176 | 89.1 | 0.0 | 178.8 |



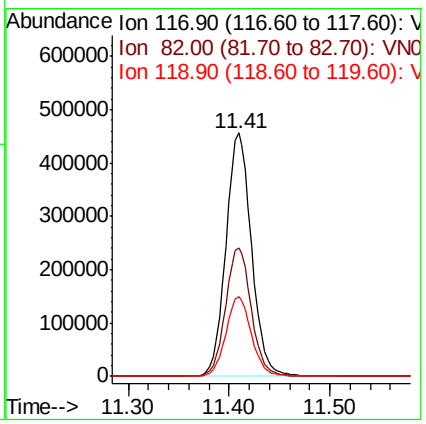


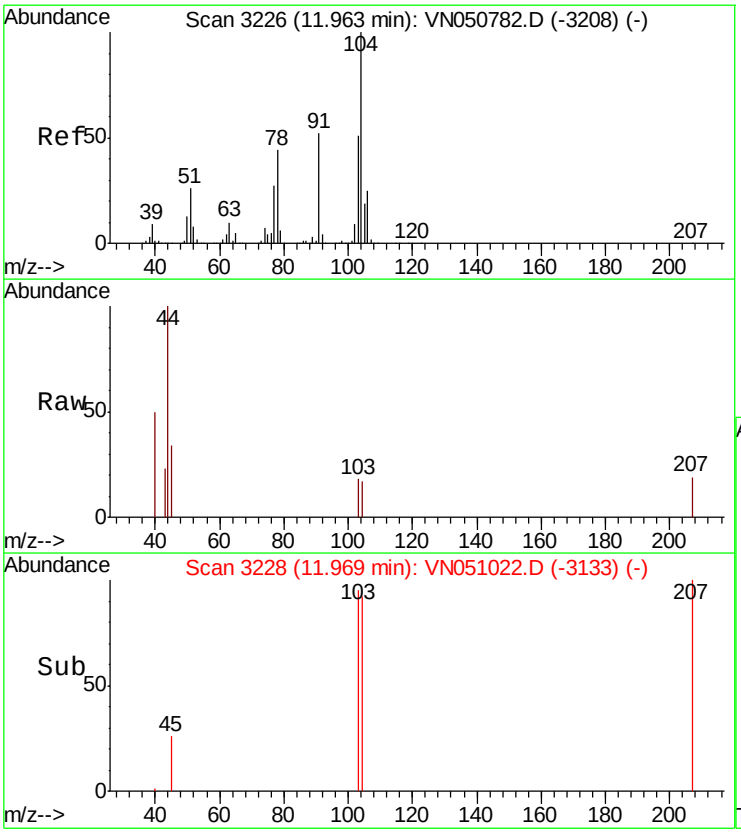

#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN051022.D
Acq: 4 Sep 2018 16:20

**Instrument :**
MSVOA_N
**ClientSampleId :**
PB112553ZHE#08

Tgt Ion:117 Resp: 806542

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 52.7 | 42.6 | 64.0 |
| 119 | 32.7 | 25.8 | 38.6 |

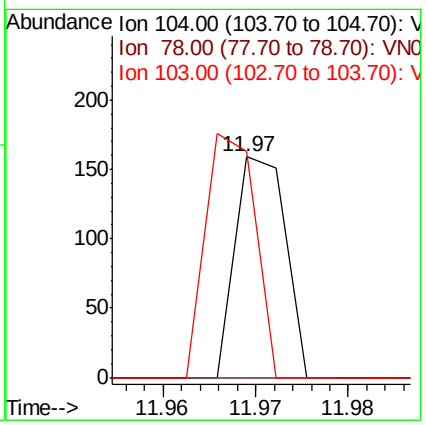


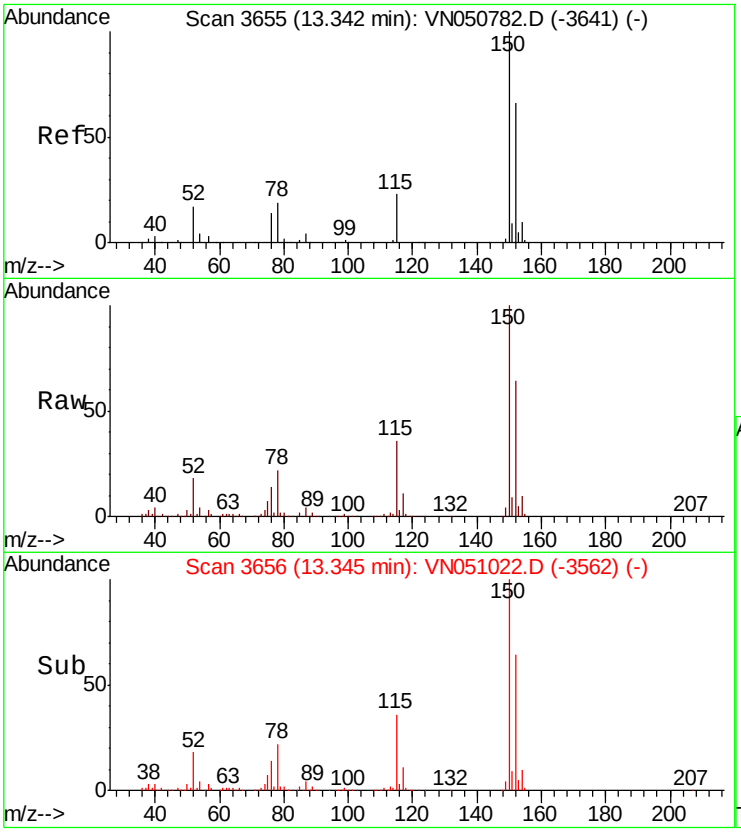




#70
Styrene
Concen: 1.27 ug/l
RT: 11.97 min Scan# 3228
Delta R.T. 0.01 min
Lab File: VN051022.D
Acq: 4 Sep 2018 16:20

Tgt Ion:104 Resp: 60

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 0.0 | 38.2 | 57.4# |
| 103 | 108.3 | 44.4 | 66.6# |



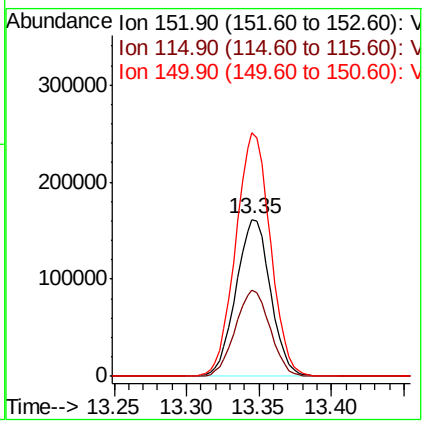


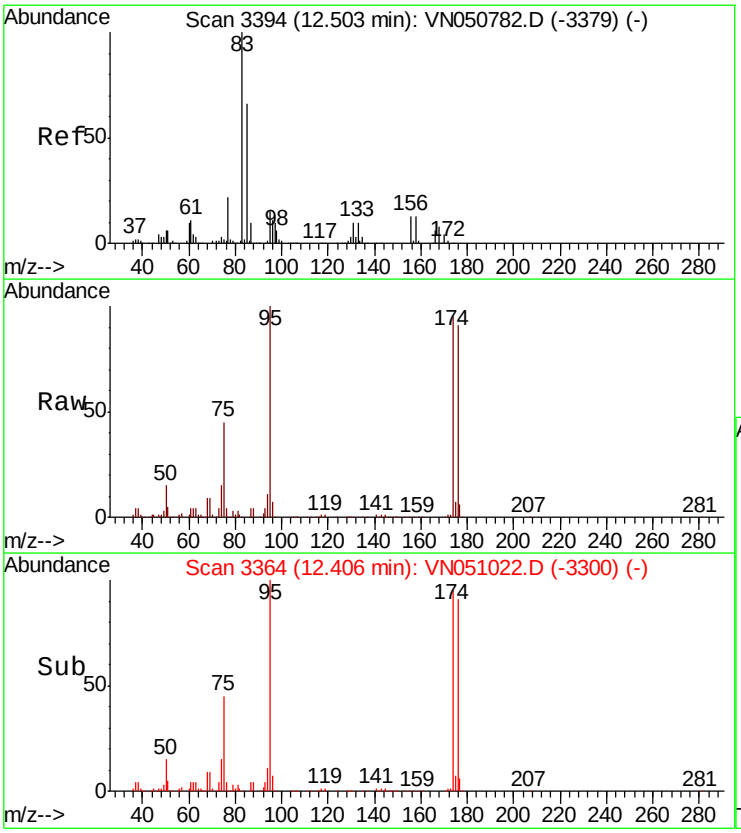

#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN051022.D
Acq: 4 Sep 2018 16:20

**Instrument :** MSVOA_N
**ClientSampleId :** PB112553ZHE#08

Tgt Ion:152 Resp: 267850

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 55.2 | 27.8 | 83.4 |
| 150 | 155.7 | 0.0 | 351.4 |

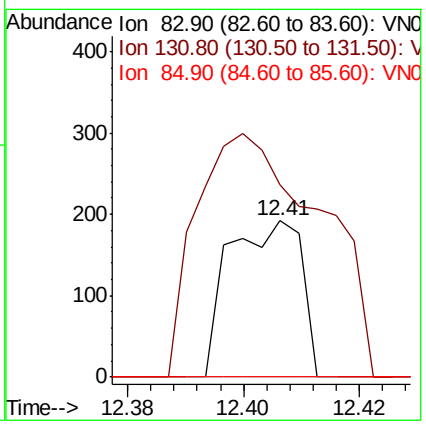


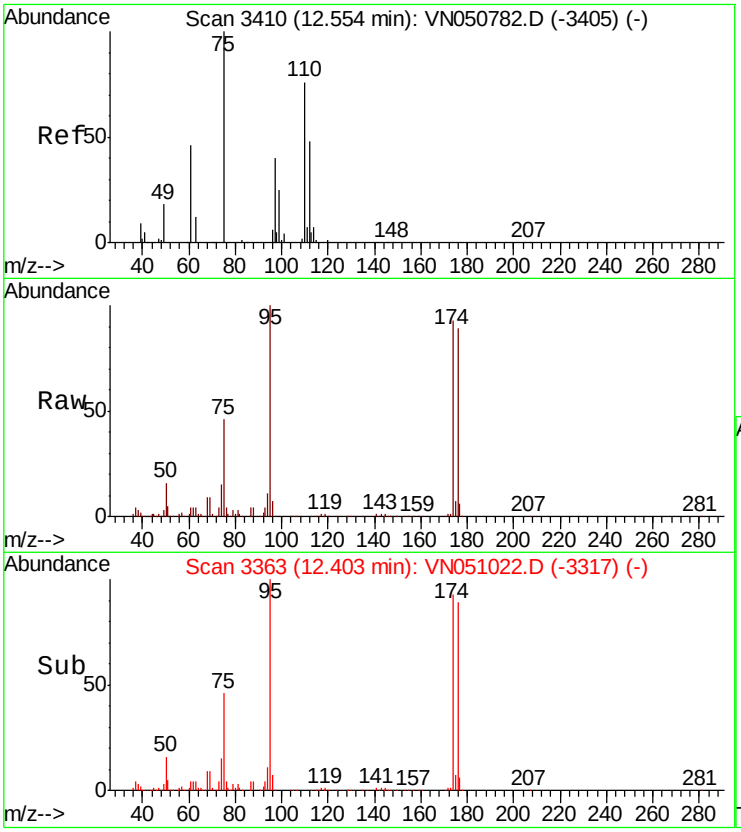




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.41 min Scan# 3364
Delta R.T. -0.10 min
Lab File: VN051022.D
Acq: 4 Sep 2018 16:20

Tgt Ion: 83 Resp: 166

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 266.3 | 5.3 | 15.9# |
| 85 | 0.0 | 31.9 | 95.7# |



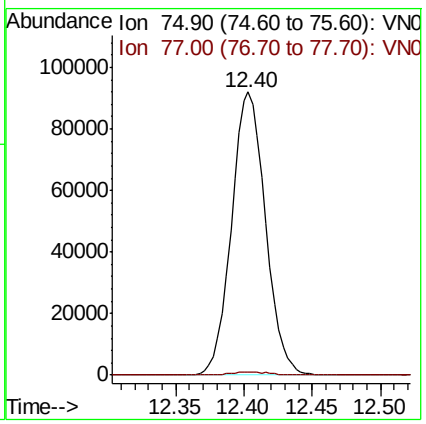


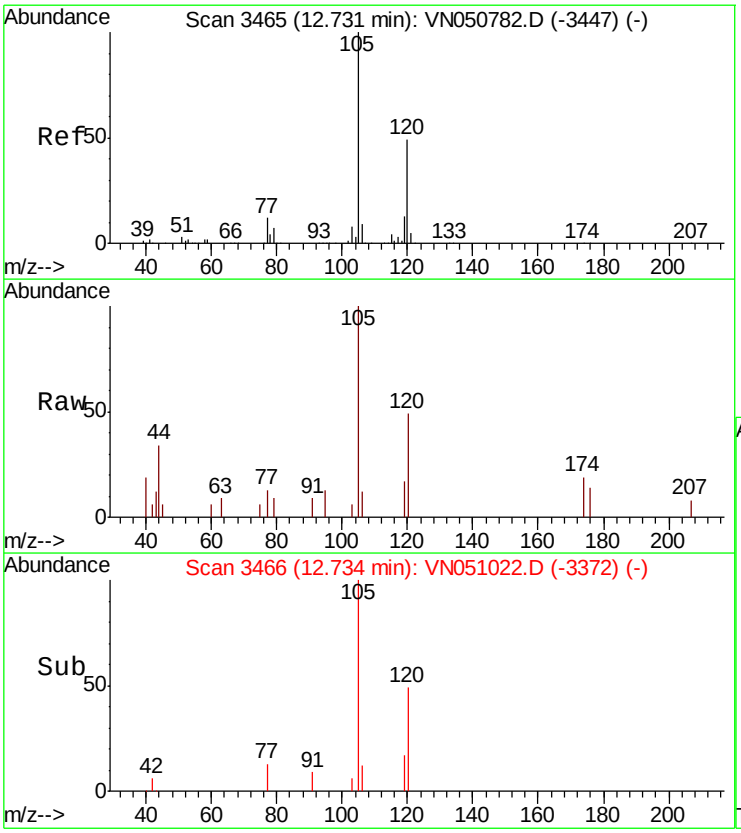

#76
1,2,3-Trichloropropane
Concen: 33.74 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. -0.15 min
Lab File: VN051022.D
Acq: 4 Sep 2018 16:20

**Instrument :**
MSVOA_N
**ClientSampleId :**
PB112553ZHE#08

Tgt Ion: 75 Resp: 158301

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.2 | 0.0 | 0.0# |

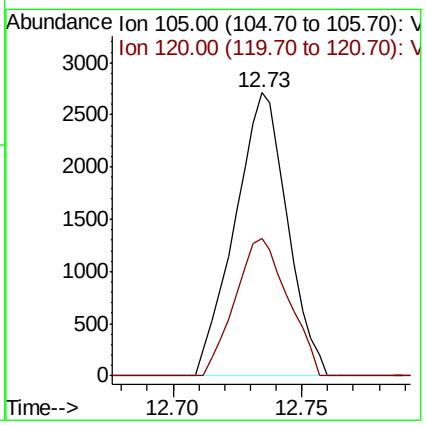


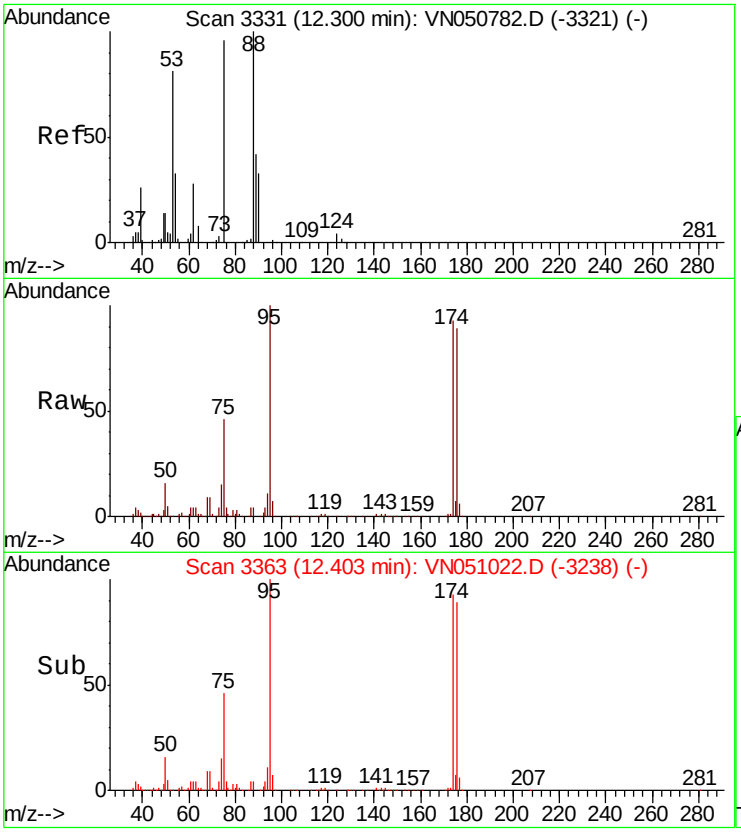




#80
1,3,5-Trimethylbenzene
Concen: 0.22 ug/l
RT: 12.73 min Scan# 3466
Delta R.T. 0.00 min
Lab File: VN051022.D
Acq: 4 Sep 2018 16:20

Tgt Ion:105 Resp: 3859

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 49.0 | 24.6 | 74.0 |



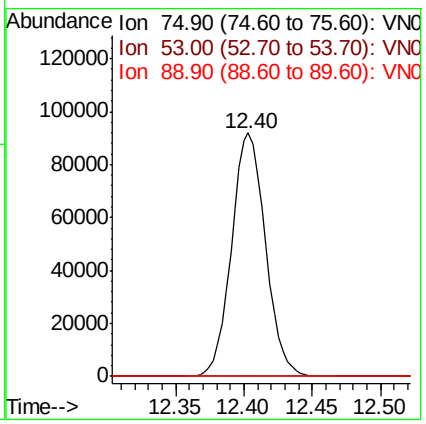


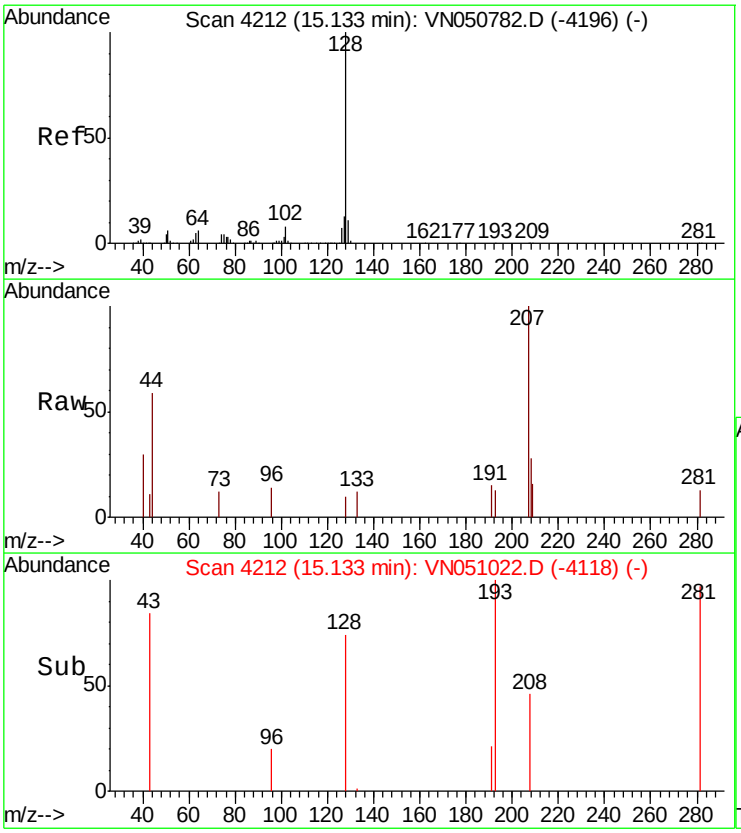

#81
trans-1,4-Dichloro-2-butene
Concen: 114.07 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.10 min
Lab File: VN051022.D
Acq: 4 Sep 2018 16:20

**Instrument :**
MSVOA_N
**ClientSampleId :**
PB112553ZHE#08

Tgt Ion: 75 Resp: 158301

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.1 | 68.9 | 103.3# |
| 89 | 0.0 | 36.1 | 54.1# |




#95
Naphthalene
Concen: 5.40 ug/l
RT: 15.13 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN051022.D
Acq: 4 Sep 2018 16:20

Tgt Ion:128 Resp: 29

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 0.0 | 10.5 | 15.7# |
| 129 | 0.0 | 8.7 | 13.1# |