Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091018\
Data File : VN051102.D
Acq On : 11 Sep 2018 2:00
Operator : MD\SY
Sample : J4777-08
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 42 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** PL-05-090718-D

Quant Time: Sep 11 04:38:24 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 11 02:27:09 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 7.67 | 168 | 603374 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.59 | 114 | 946414 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.41 | 117 | 828463 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152 | 278980 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.03 | 65 | 363412 | 54.12 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 108.24% | | | |
| 35) Dibromofluoromethane | 7.59 | 113 | 357257 | 50.24 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 100.48% | | | |
| 50) Toluene-d8 | 10.09 | 98 | 1295576 | 48.01 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 96.02% | | | |
| 62) 4-Bromofluorobenzene | 12.40 | 95 | 358708 | 40.18 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 80.36% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 3) Chloromethane | 2.06 | 50 | 2532 | Below Cal | | 89 |
| 5) Bromomethane | 2.57 | 94 | 2375 | Below Cal | | 96 |
| 10) Methyl Iodide | 3.95 | 142 | 880 | 5.75 | ug/l # | 48 |
| 14) Allyl chloride | 4.55 | 41 | 127189 | 12.97 | ug/l # | 27 |
| 16) Acetone | 3.82 | 43 | 17310 | 4.70 | ug/l | 100 |
| 17) Carbon Disulfide | 4.06 | 76 | 1927 | 0.21 | ug/l # | 76 |
| 18) Methyl Acetate | 4.33 | 43 | 10312 | 1.92 | ug/l | 93 |
| 20) Methylene Chloride | 4.55 | 84 | 3723951 | 502.07 | ug/l | 100 |
| 25) 2-Butanone | 6.85 | 43 | 2361 | 0.89 | ug/l # | 46 |
| 28) Bromochloromethane | 7.20 | 49 | 2416 | 0.44 | ug/l # | 74 |
| 30) Chloroform | 7.38 | 83 | 4801 | 0.39 | ug/l | 97 |
| 31) Cyclohexane | 7.67 | 56 | 9815 | 0.67 | ug/l # | 1 |
| 36) 1,1-Dichloropropene | 7.67 | 75 | 38729 | 3.73 | ug/l # | 48 |
| 38) Carbon Tetrachloride | 7.67 | 117 | 51137 | 5.00 | ug/l # | 17 |
| 43) Isopropyl Acetate | 8.17 | 43 | 194119 | 18.28 | ug/l # | 86 |
| 48) Methyl methacrylate | 9.18 | 41 | 6579 | 1.27 | ug/l # | 16 |
| 51) 4-Methyl-2-Pentanone | 9.99 | 43 | 1716 | 0.29 | ug/l | 89 |
| 56) Ethyl methacrylate | 10.29 | 69 | 100 | 2.46 | ug/l # | 1 |
| 59) 2-Hexanone | 10.77 | 43 | 9906 | 2.49 | ug/l # | 60 |
| 71) Bromoform | 12.40 | 173 | 1137 | 0.21 | ug/l # | 1 |
| 76) 1,2,3-Trichloropropane | 12.40 | 75 | 167415 | 38.36 | ug/l # | 100 |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75 | 167415 | 113.97 | ug/l # | 15 |
| 90) Hexachloroethane | 13.89 | 117 | 470 | Below Cal | # | 2 |
| 95) Naphthalene | 15.14 | 128 | 5106 | 5.78 | ug/l | 97 |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180 | 103 | 2.97 | ug/l # | 57 |

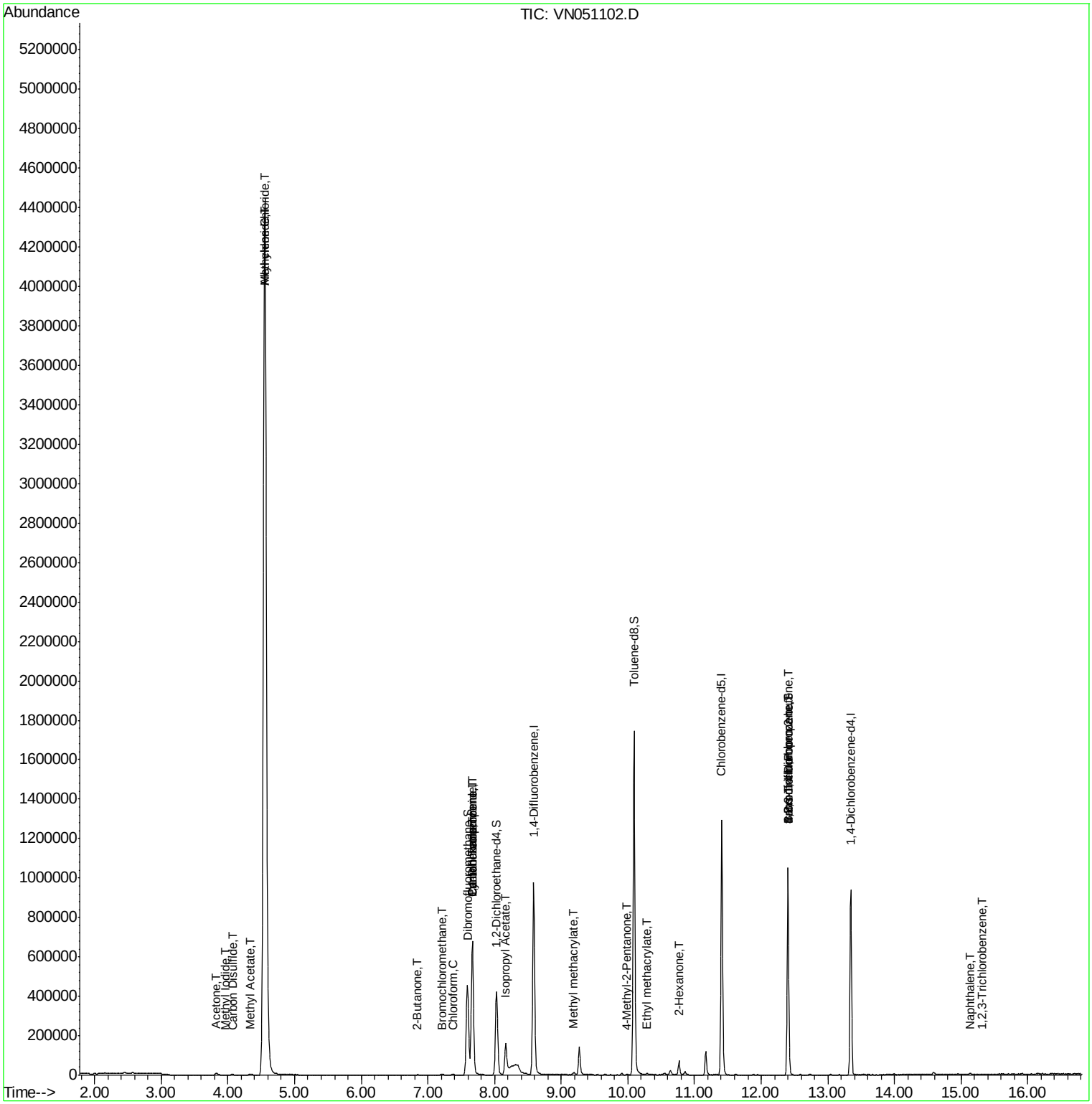
(#) = qualifier out of range (m) = manual integration (+) = signals summed

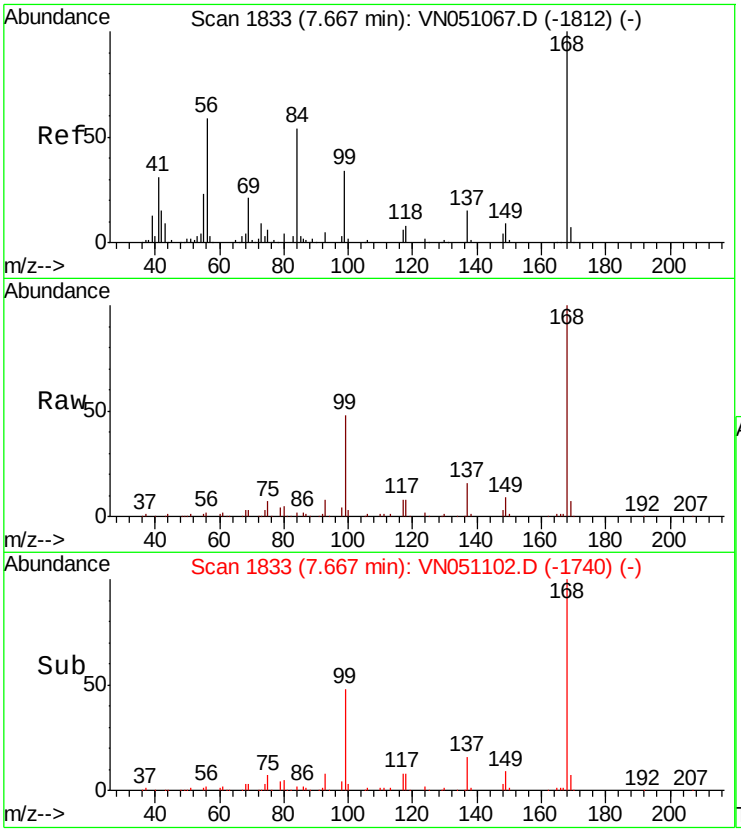
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091018\
Data File : VN051102.D
Acq On : 11 Sep 2018 2:00
Operator : MD\SY
Sample : J4777-08
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 42 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** PL-05-090718-D

Quant Time: Sep 11 04:38:24 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 11 02:27:09 2018
Response via : Initial Calibration



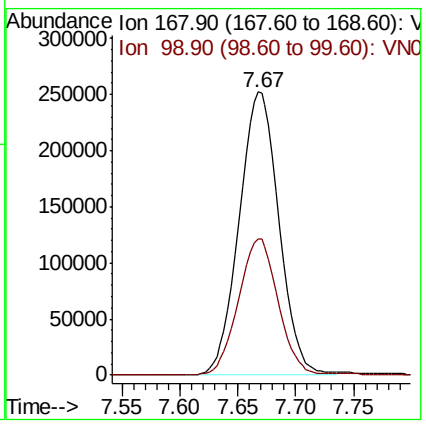


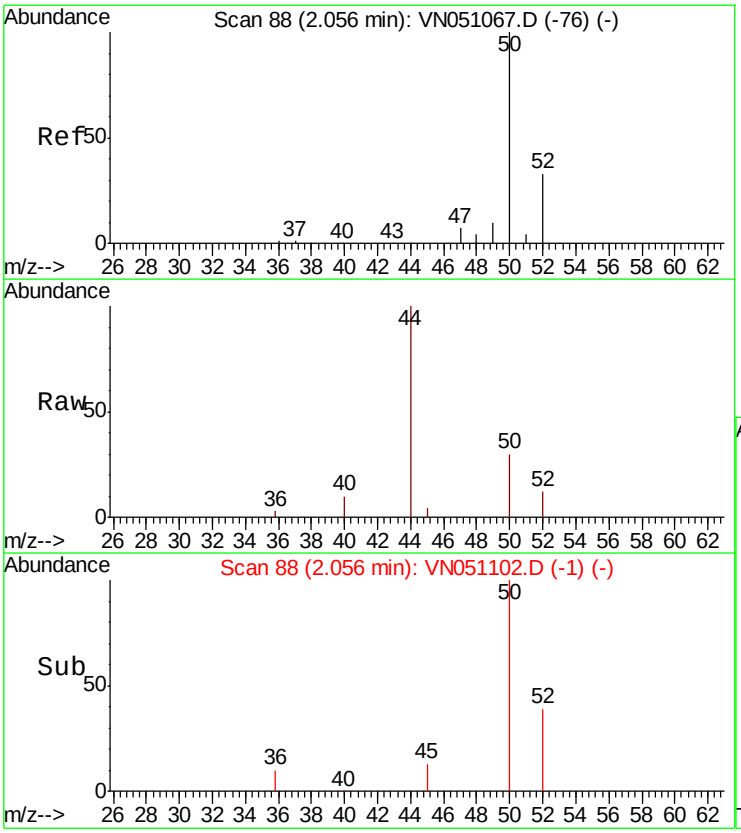

#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VN051102.D
Acq: 11 Sep 2018 2:00

**Instrument :**
MSVOA_N
**ClientSampleId :**
PL-05-090718-D

Tgt Ion:168 Resp: 603374

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 48.3 | 38.3 | 57.5 |

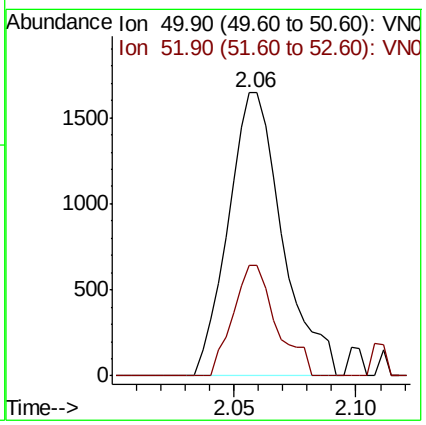


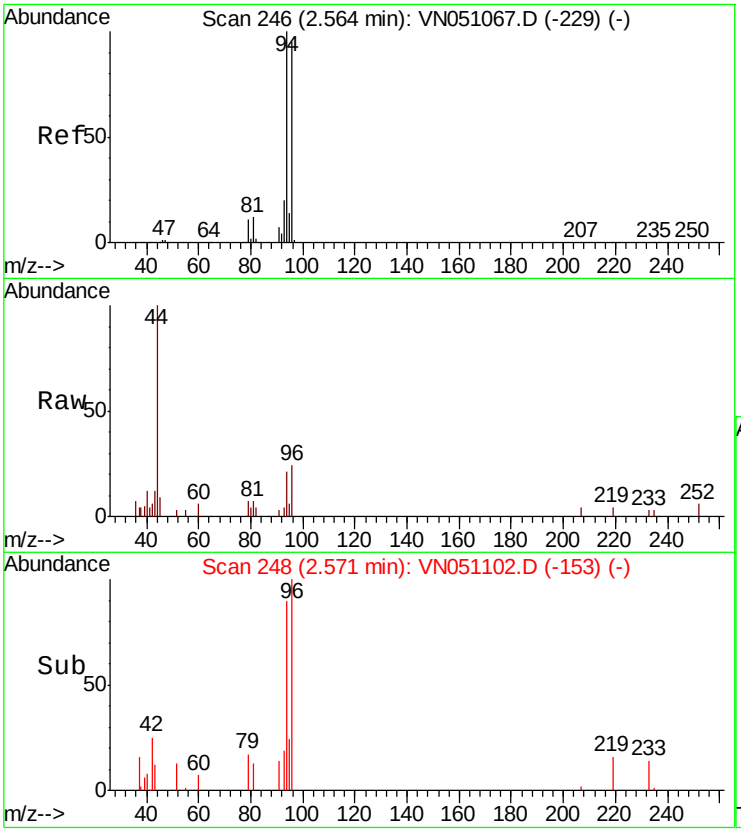




#3
Chloromethane
Concen: Below Cal
RT: 2.06 min Scan# 88
Delta R.T. 0.00 min
Lab File: VN051102.D
Acq: 11 Sep 2018 2:00

Tgt Ion: 50 Resp: 2532

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 38.9 | 26.0 | 39.0 |



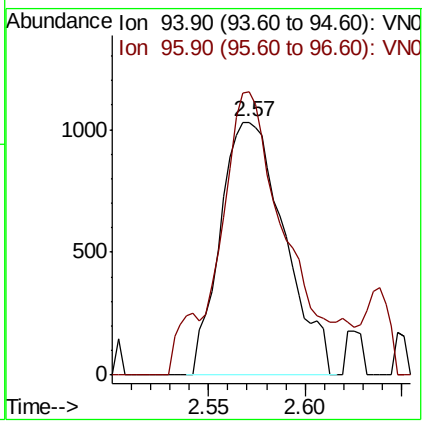


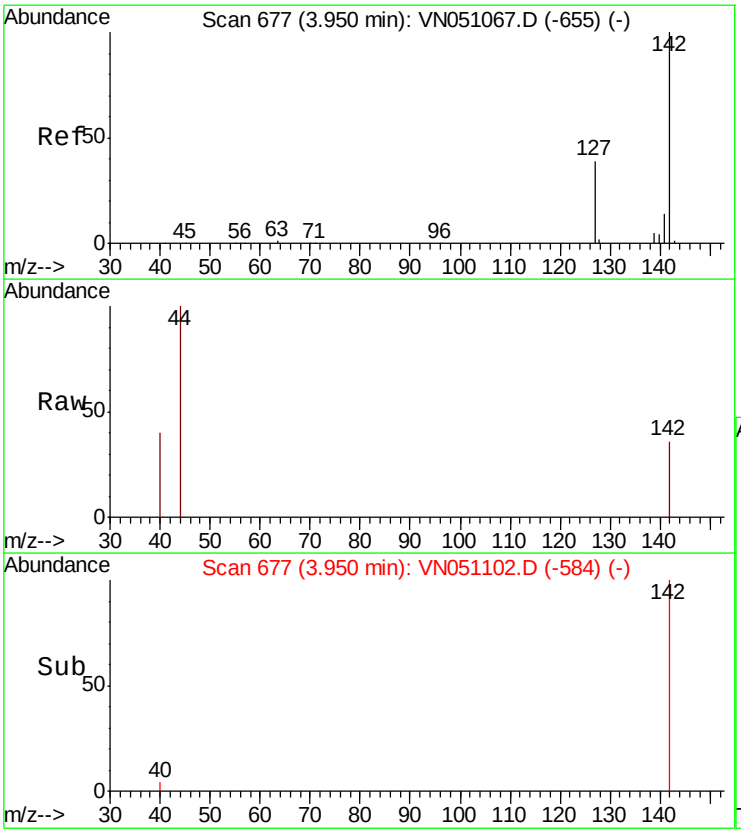

#5
Bromomethane
Concen: Below Cal
RT: 2.57 min Scan# 248
Delta R.T. 0.01 min
Lab File: VN051102.D
Acq: 11 Sep 2018 2:00

**Instrument :** MSVOA_N
**ClientSampleId :** PL-05-090718-D

Tgt Ion: 94 Resp: 2375

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 91.0 | 75.9 | 113.9 |

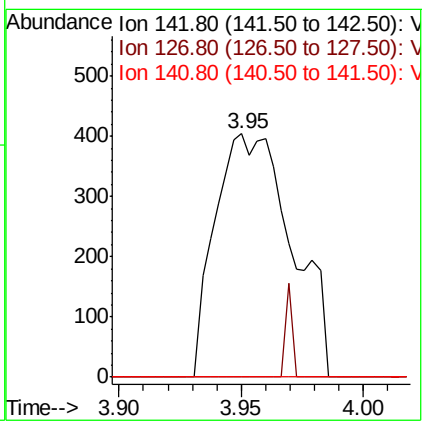


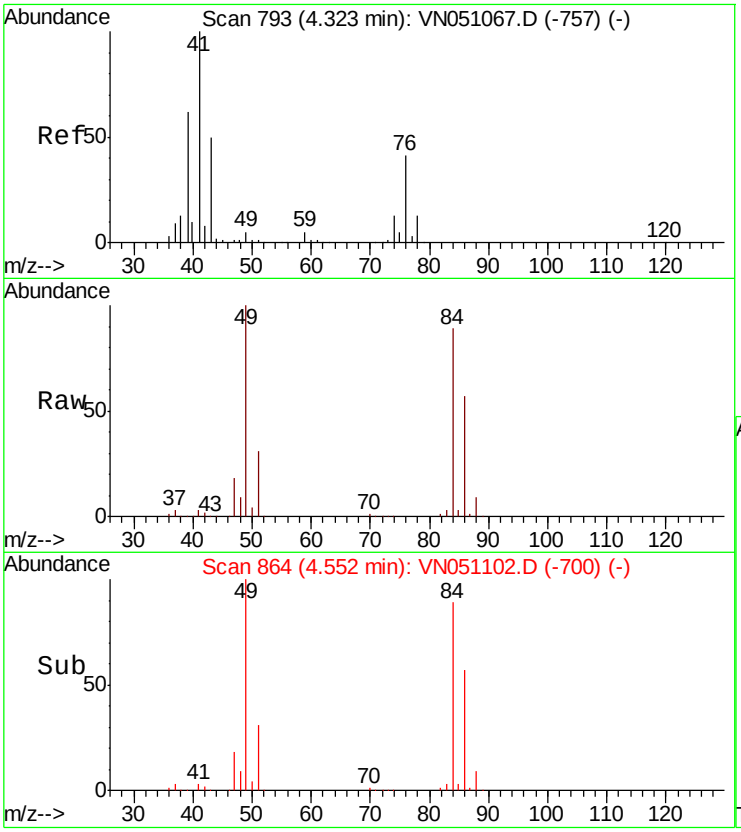




#10
Methyl Iodide
Concen: 5.75 ug/l
RT: 3.95 min Scan# 677
Delta R.T. 0.00 min
Lab File: VN051102.D
Acq: 11 Sep 2018 2:00

Tgt Ion:142 Resp: 880

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 3.4 | 31.0 | 46.4# |
| 141 | 0.0 | 11.3 | 16.9# |



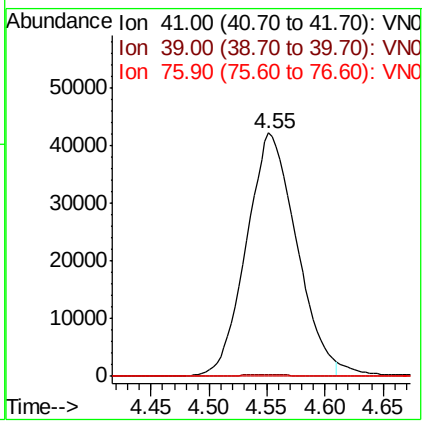


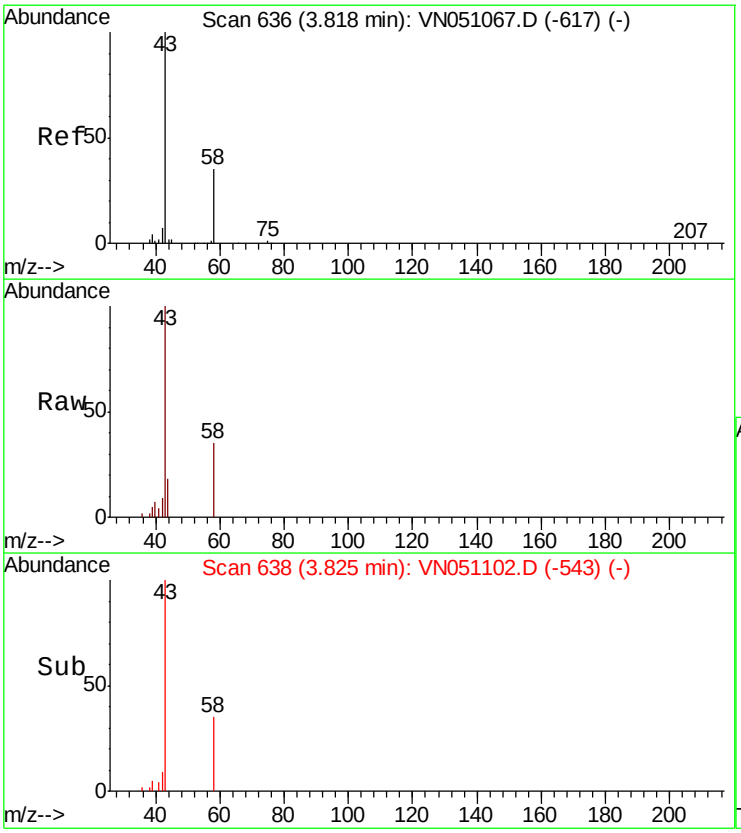

#14
Allyl chloride
Concen: 12.97 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.23 min
Lab File: VN051102.D
Acq: 11 Sep 2018 2:00

**Instrument :** MSVOA_N
**ClientSampleId :** PL-05-090718-D

Tgt Ion: 41 Resp: 127189

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 0.7 | 48.8 | 73.2# |
| 76 | 0.0 | 30.6 | 45.8# |

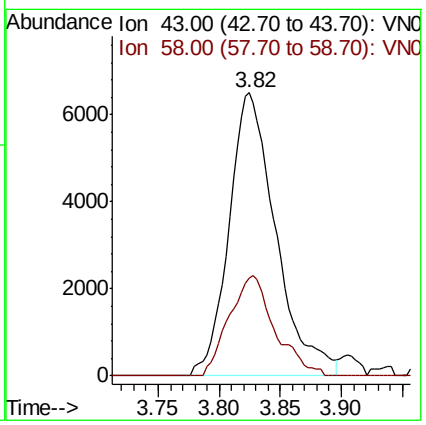


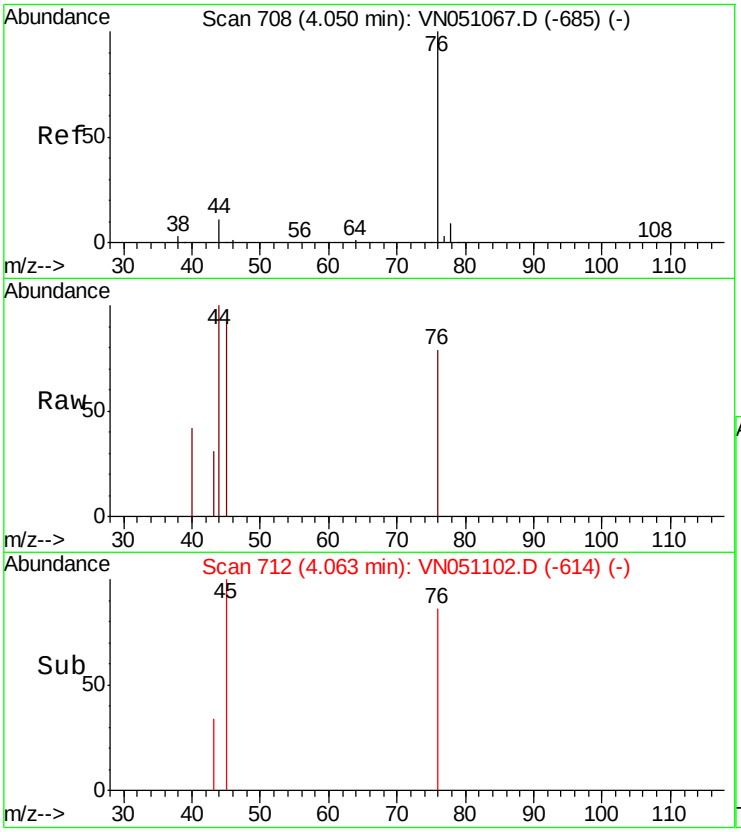




#16
Acetone
Concen: 4.70 ug/l
RT: 3.82 min Scan# 638
Delta R.T. 0.01 min
Lab File: VN051102.D
Acq: 11 Sep 2018 2:00

Tgt Ion: 43 Resp: 17310

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 34.7 | 27.8 | 41.6 |



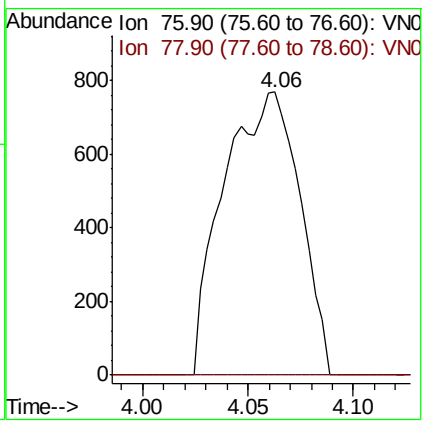


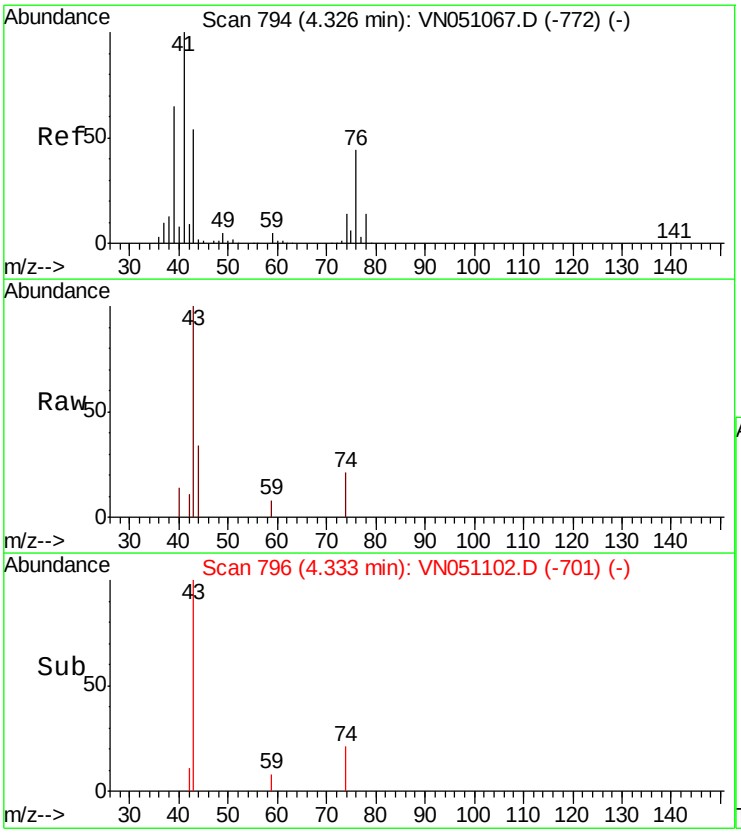

#17
Carbon Disulfide
Concen: 0.21 ug/l
RT: 4.06 min Scan# 712
Delta R.T. 0.01 min
Lab File: VN051102.D
Acq: 11 Sep 2018 2:00

**Instrument :** MSVOA_N
**ClientSampleId :** PL-05-090718-D

Tgt Ion: 76 Resp: 1927

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 0.0 | 7.0 | 10.6# |

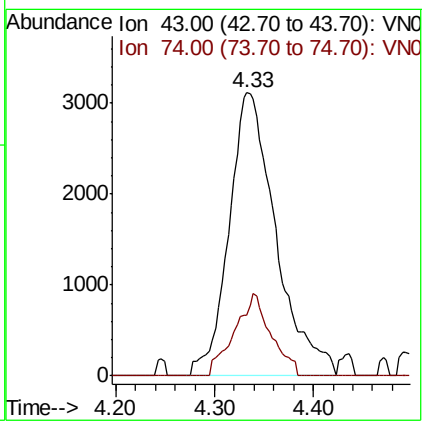


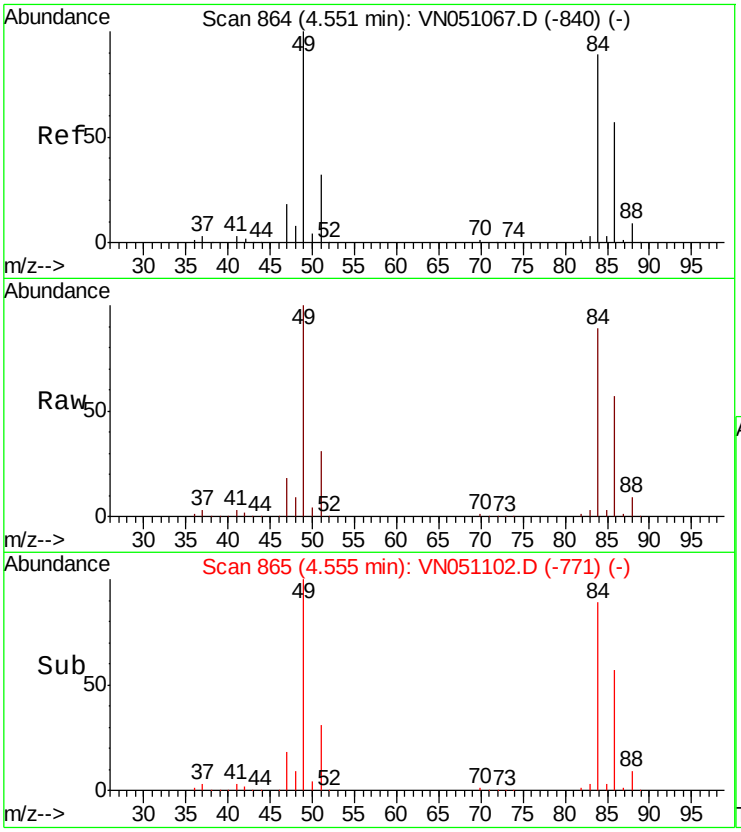




#18
Methyl Acetate
Concen: 1.92 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN051102.D
Acq: 11 Sep 2018 2:00

Tgt Ion: 43 Resp: 10312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 22.5 | 20.7 | 31.1 |



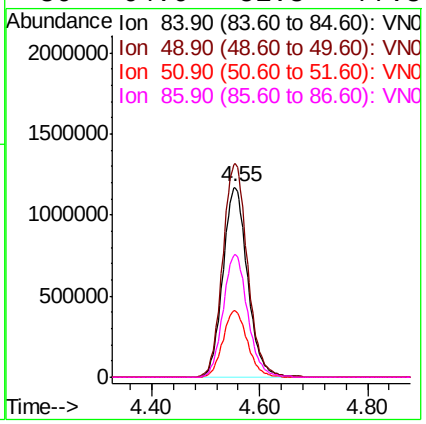


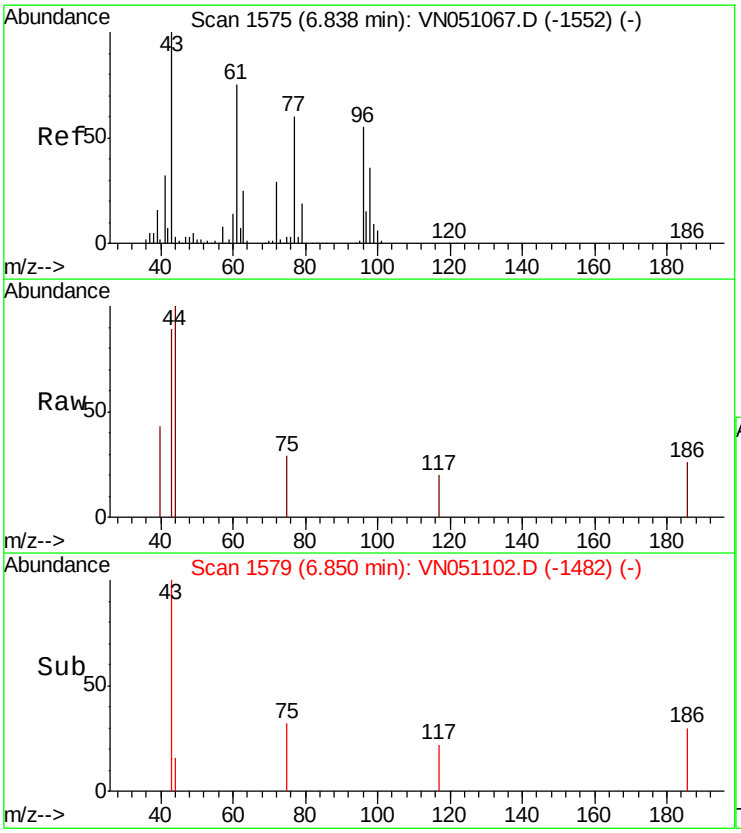

#20
Methylene Chloride
Concen: 502.07 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051102.D
Acq: 11 Sep 2018 2:00

**Instrument :**
MSVOA_N
**ClientSampleId :**
PL-05-090718-D

Tgt Ion: 84 Resp: 3723951

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 112.6 | 90.2 | 135.2 |
| 51 | 35.1 | 28.4 | 42.6 |
| 86 | 64.6 | 51.8 | 77.8 |

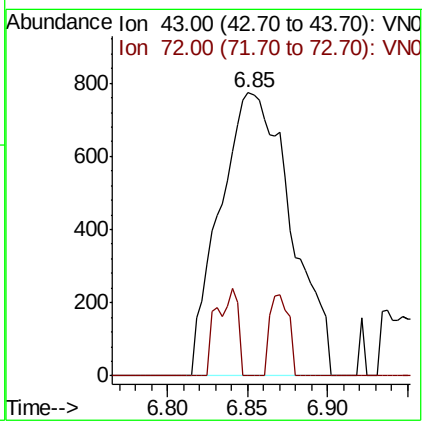


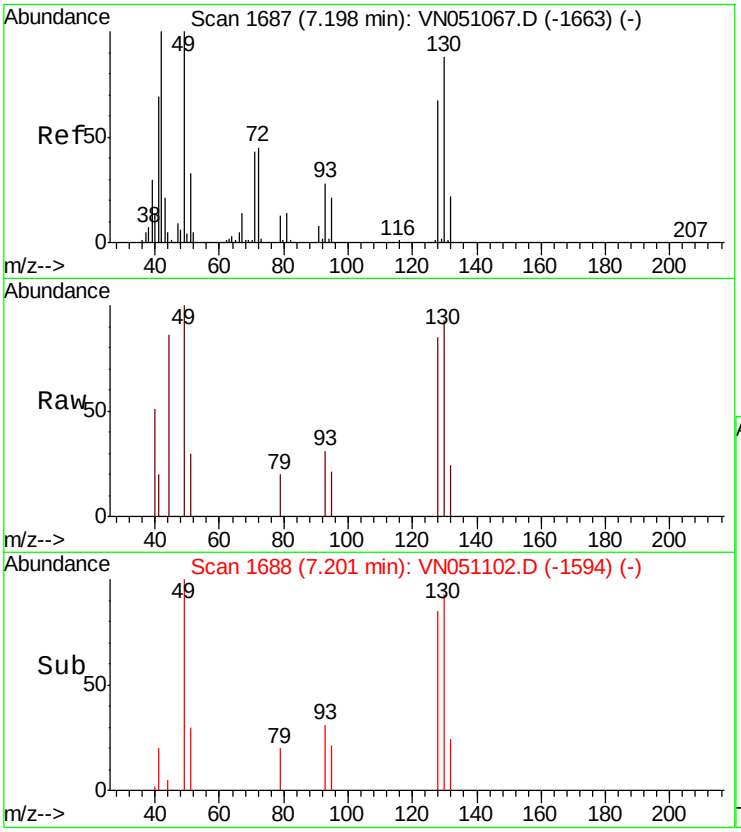




#25
2-Butanone
Concen: 0.89 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.01 min
Lab File: VN051102.D
Acq: 11 Sep 2018 2:00

Tgt Ion: 43 Resp: 2361

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 0.0 | 23.0 | 34.6# |



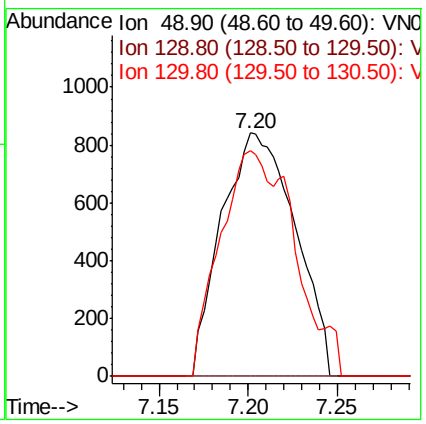


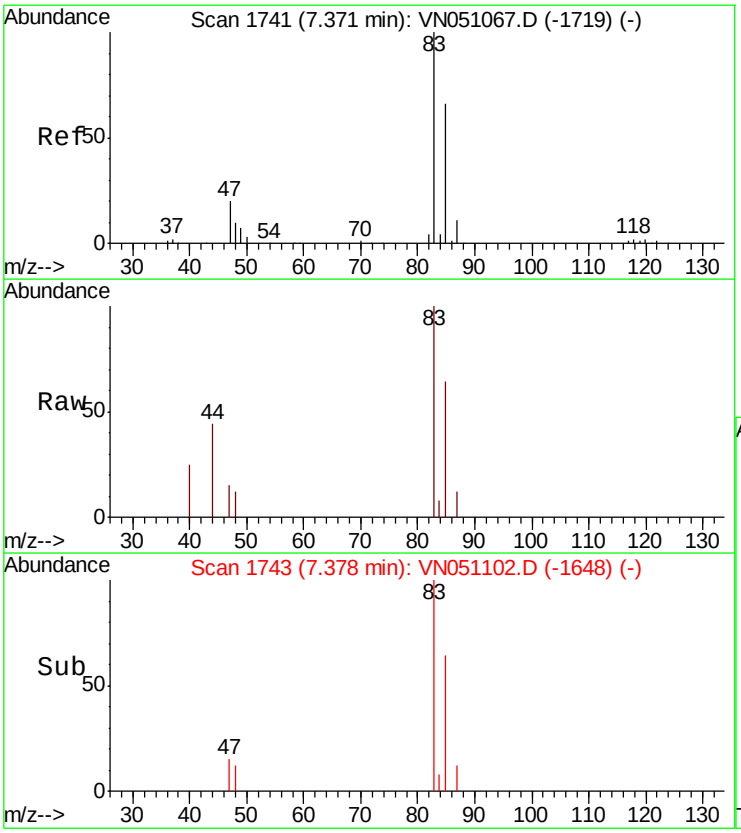

#28
Bromochloromethane
Concen: 0.44 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN051102.D
Acq: 11 Sep 2018 2:00

**Instrument :**
MSVOA_N
**ClientSampleId :**
PL-05-090718-D

Tgt Ion: 49 Resp: 2416

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 0.0 | 0.0 | 4.4 |
| 130 | 63.3 | 70.7 | 106.1# |

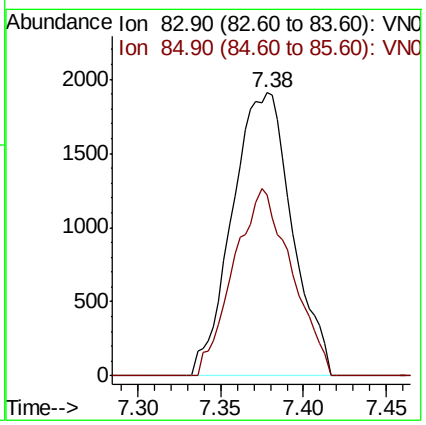


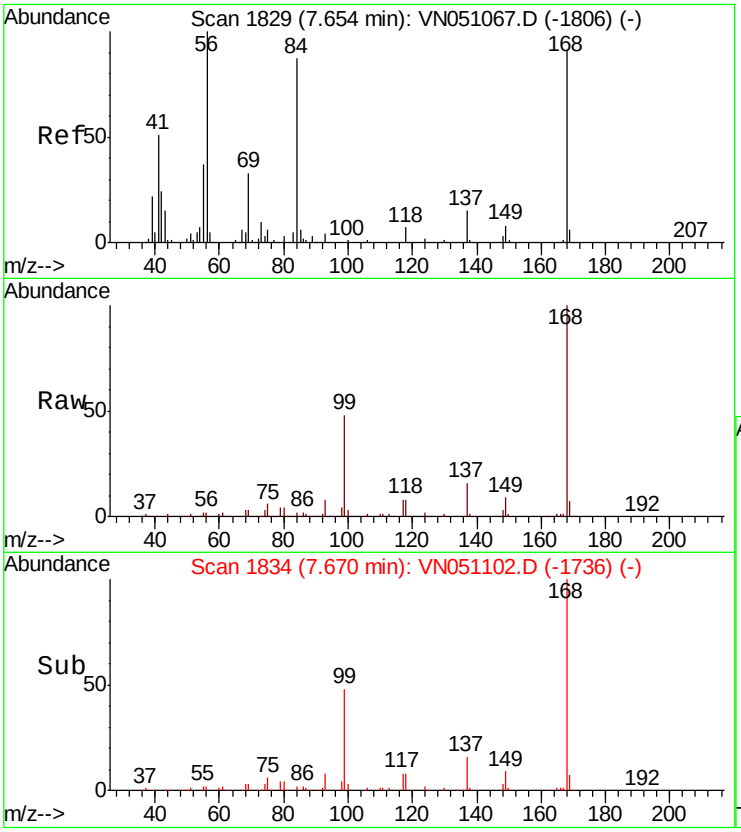




#30
Chloroform
Concen: 0.39 ug/l
RT: 7.38 min Scan# 1743
Delta R.T. 0.01 min
Lab File: VN051102.D
Acq: 11 Sep 2018 2:00

Tgt Ion: 83 Resp: 4801

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.8 | 52.6 | 79.0 |



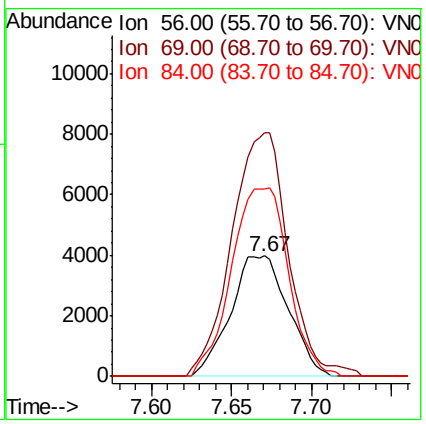


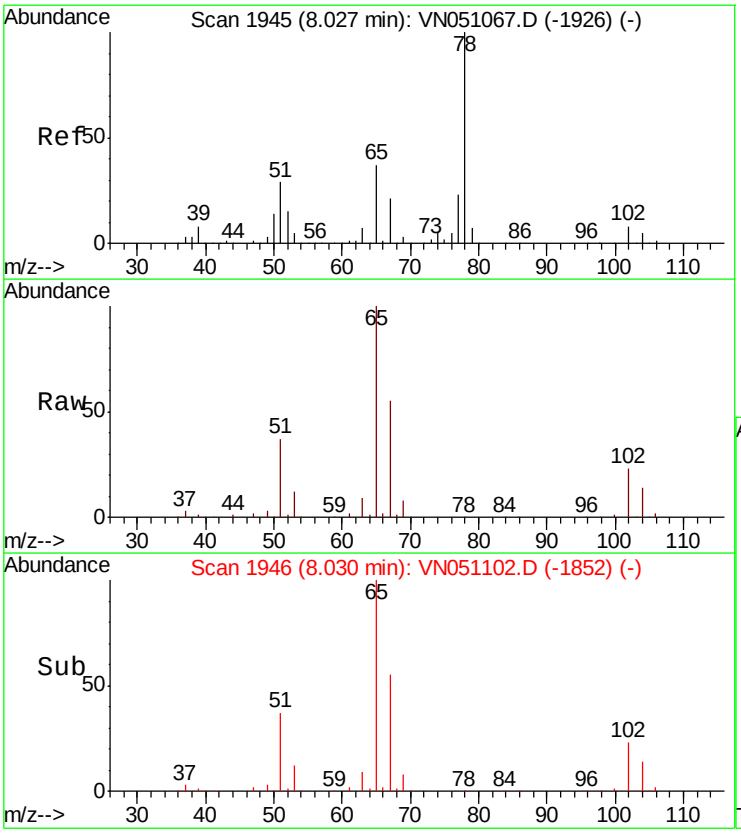

#31
Cyclohexane
Concen: 0.67 ug/l
RT: 7.67 min Scan# 1834
Delta R.T. 0.02 min
Lab File: VN051102.D
Acq: 11 Sep 2018 2:00

**Instrument :** MSVOA_N
**ClientSampleId :** PL-05-090718-D

Tgt Ion: 56 Resp: 9815

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 201.6 | 26.3 | 39.5# |
| 84 | 154.9 | 69.4 | 104.0# |

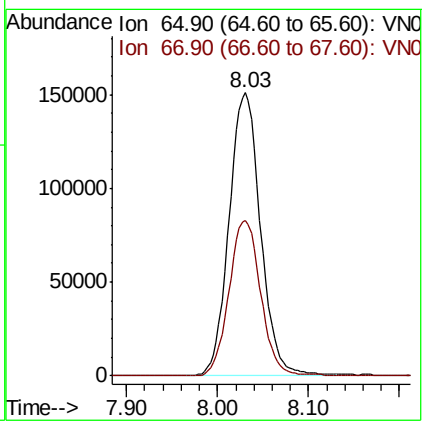


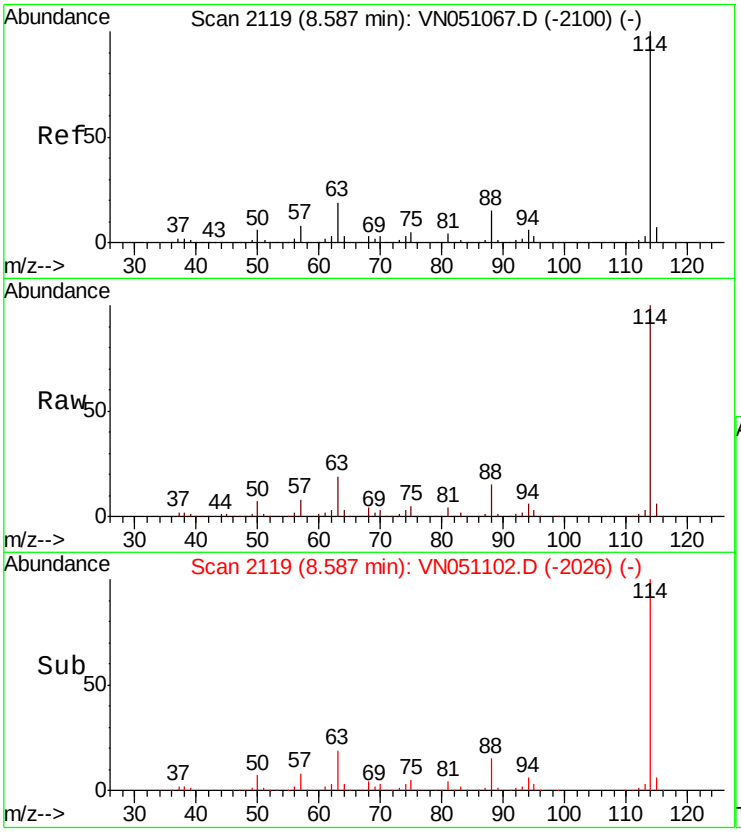




#33
1,2-Dichloroethane-d4
Concen: 54.12 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN051102.D
Acq: 11 Sep 2018 2:00

Tgt Ion: 65 Resp: 363412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 55.1 | 0.0 | 112.0 |



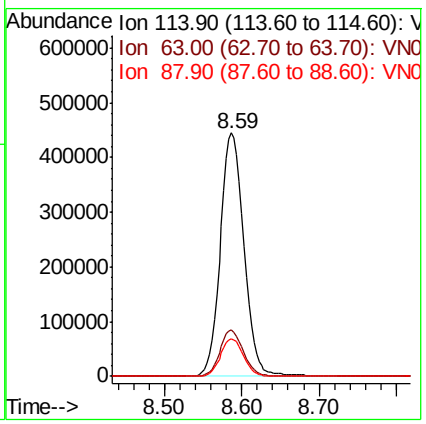


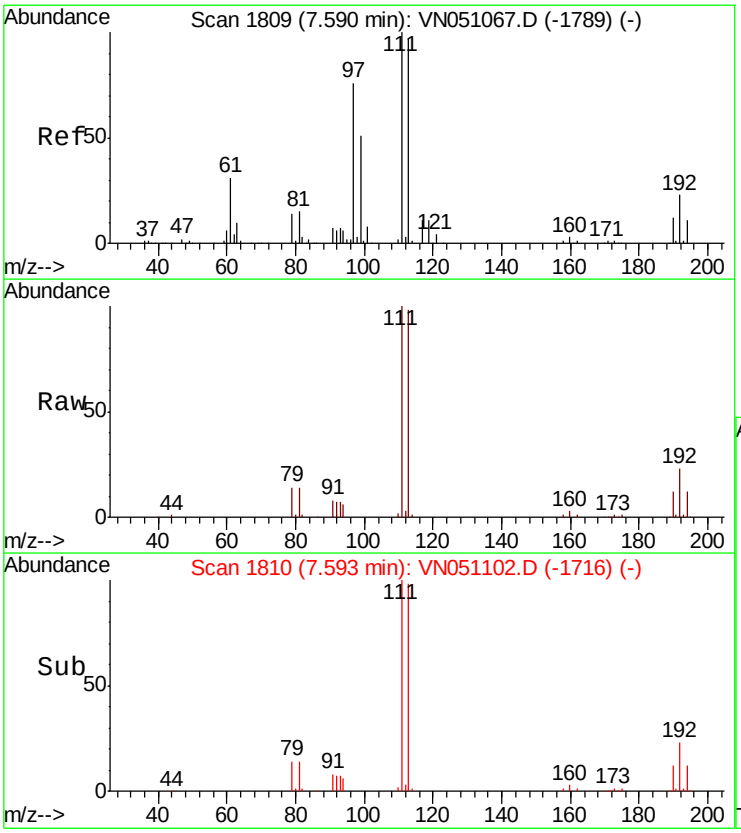

#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN051102.D
Acq: 11 Sep 2018 2:00

**Instrument :**
MSVOA_N
**ClientSampleId :**
PL-05-090718-D

Tgt Ion:114 Resp: 946414

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 18.9 | 0.0 | 37.8 |
| 88 | 15.2 | 0.0 | 30.8 |

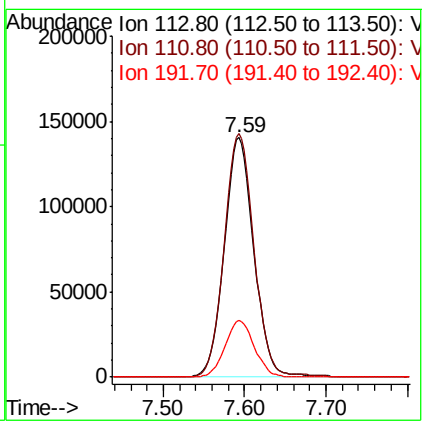


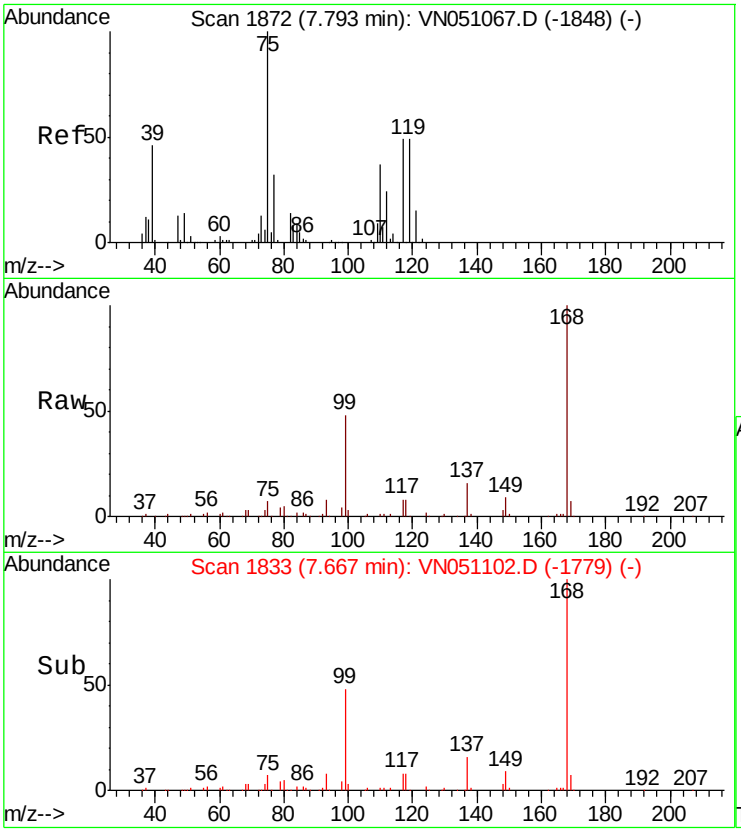




#35
Dibromofluoromethane
Concen: 50.24 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN051102.D
Acq: 11 Sep 2018 2:00

Tgt Ion:113 Resp: 357257

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.6 | 83.0 | 124.6 |
| 192 | 23.5 | 18.7 | 28.1 |



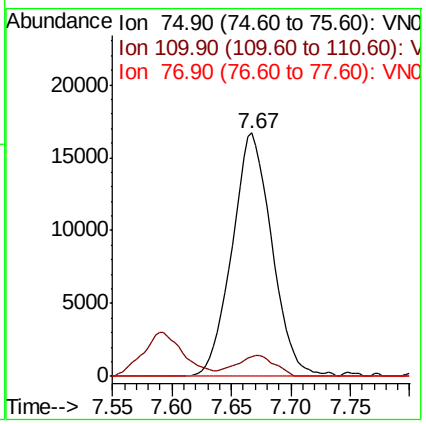


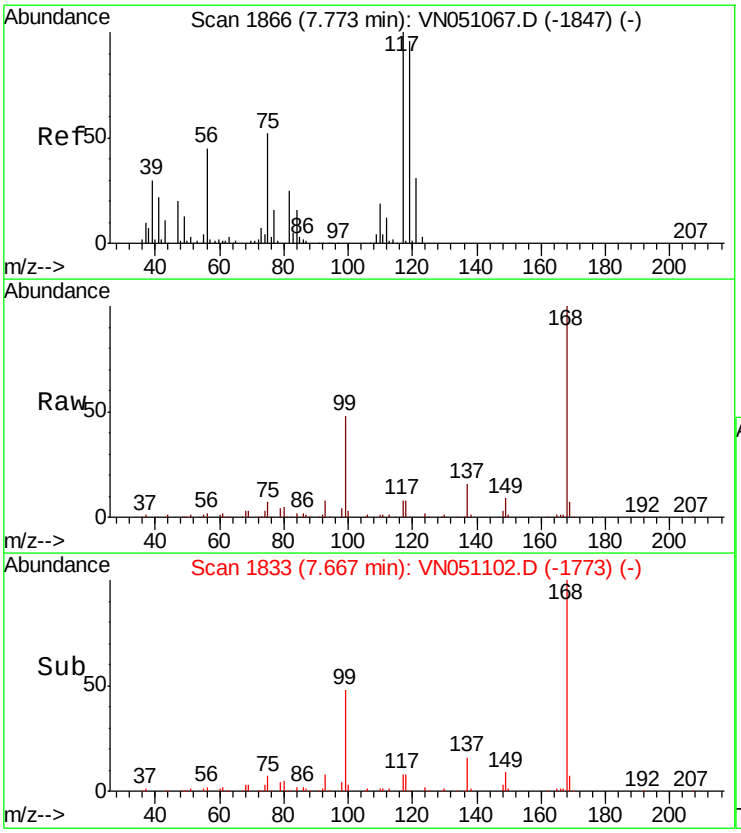

#36
1,1-Dichloropropene
Concen: 3.73 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.13 min
Lab File: VN051102.D
Acq: 11 Sep 2018 2:00

**Instrument :**
MSVOA_N
**ClientSampleId :**
PL-05-090718-D

Tgt Ion: 75 Resp: 38729

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 8.4 | 18.6 | 55.8# |
| 77 | 0.0 | 25.2 | 37.8# |

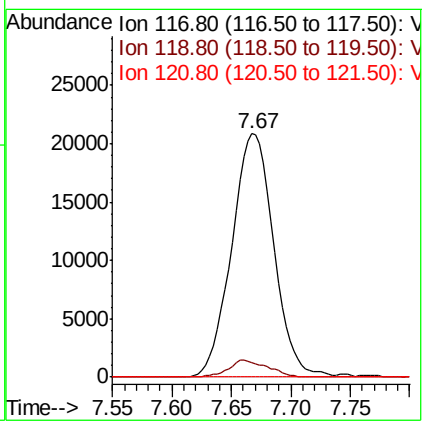


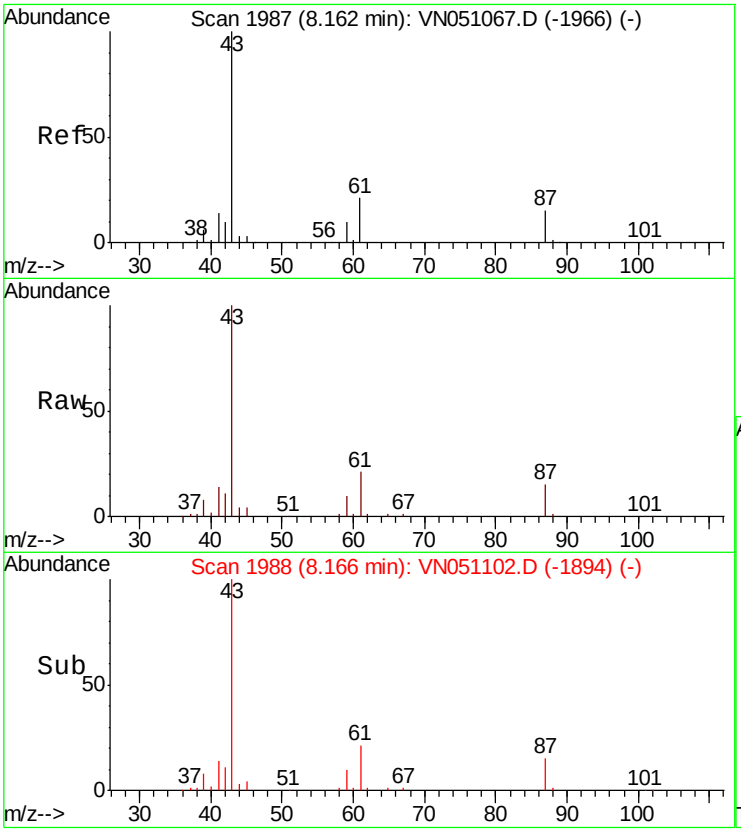




#38
Carbon Tetrachloride
Concen: 5.00 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN051102.D
Acq: 11 Sep 2018 2:00

Tgt Ion:117 Resp: 51137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 6.0 | 76.8 | 115.2# |
| 121 | 0.0 | 24.6 | 36.8# |



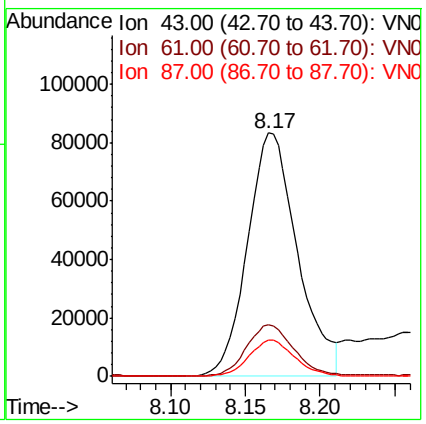


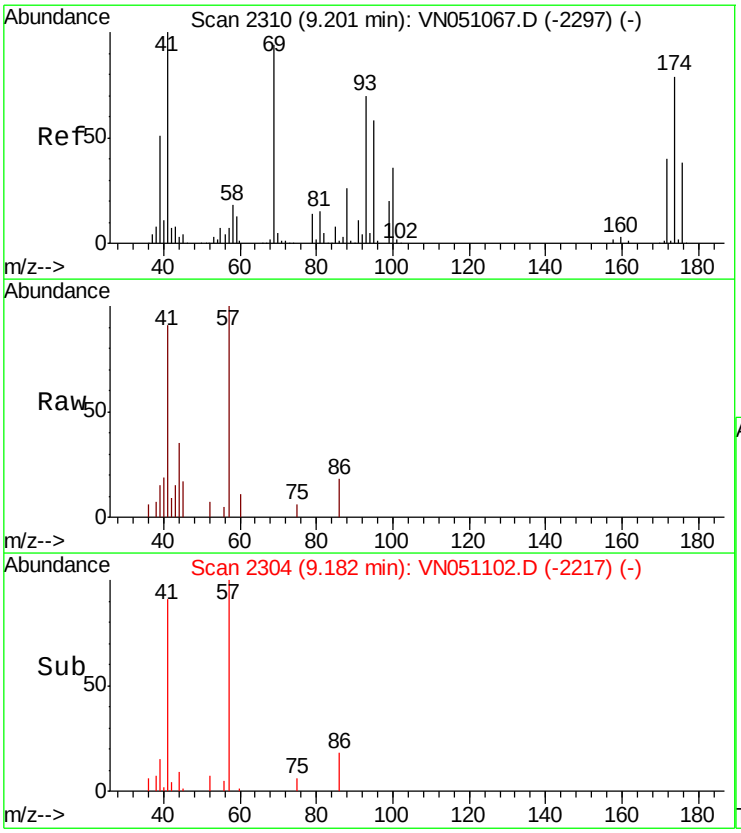

#43
Isopropyl Acetate
Concen: 18.28 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN051102.D
Acq: 11 Sep 2018 2:00

**Instrument :**
MSVOA_N
**ClientSampleId :**
PL-05-090718-D

Tgt Ion: 43 Resp: 194119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 20.2 | 25.0 | 37.6# |
| 87 | 13.7 | 11.8 | 17.8 |

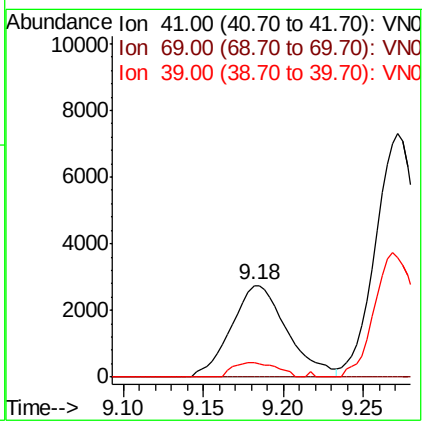


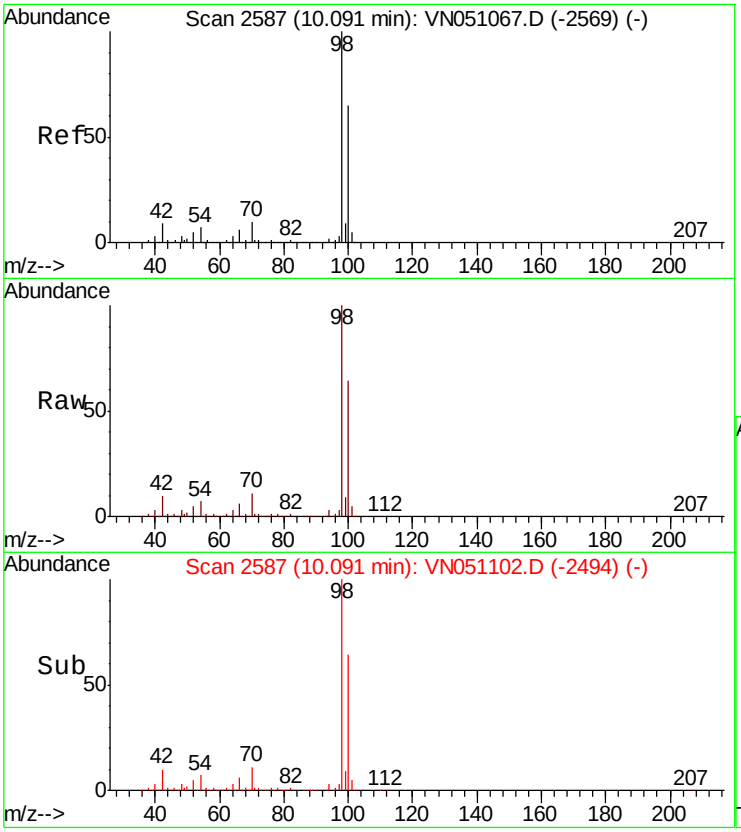




#48
Methyl methacrylate
Concen: 1.27 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN051102.D
Acq: 11 Sep 2018 2:00

Tgt Ion: 41 Resp: 6579

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 0.0 | 77.7 | 116.5# |
| 39 | 12.3 | 41.6 | 62.4# |



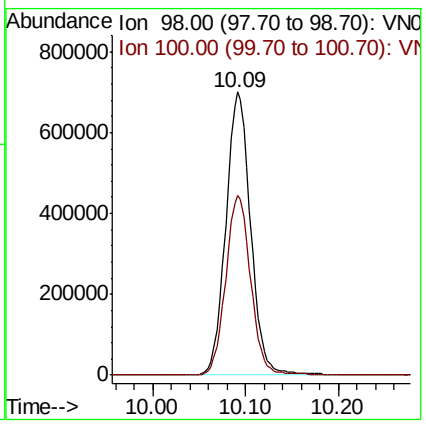


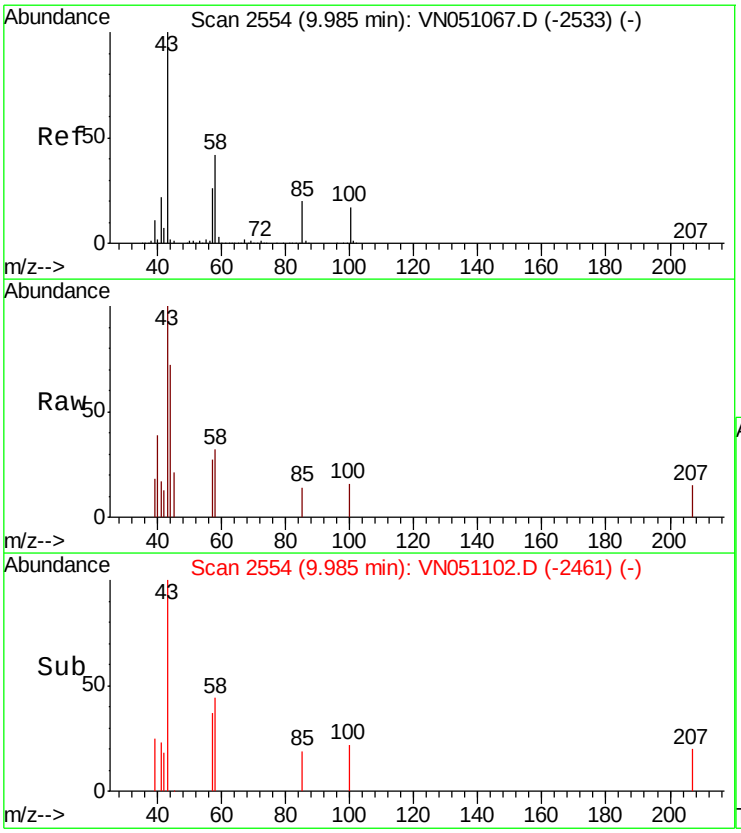

#50
Toluene-d8
Concen: 48.01 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051102.D
Acq: 11 Sep 2018 2:00

**Instrument :**
MSVOA_N
**ClientSampleId :**
PL-05-090718-D

Tgt Ion: 98 Resp: 1295576

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.2 | 52.0 | 78.0 |

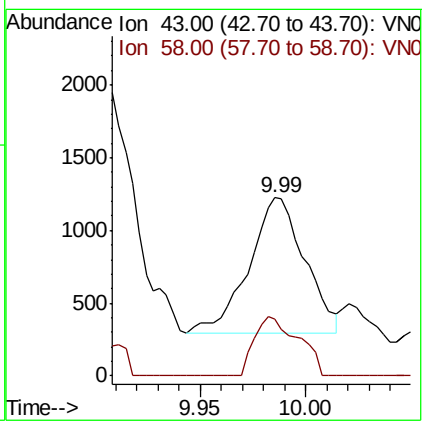


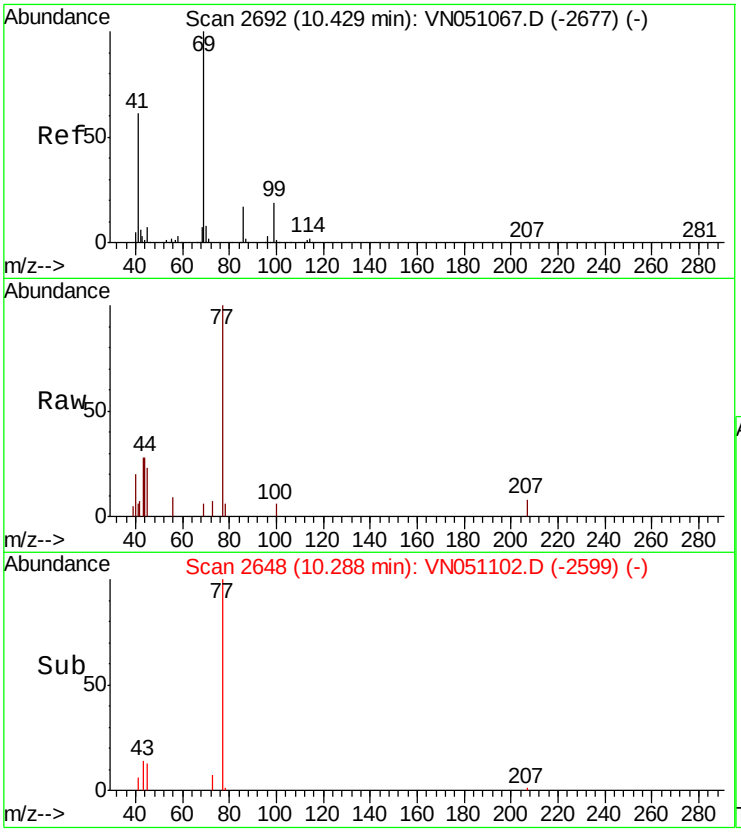




#51
4-Methyl-2-Pentanone
Concen: 0.29 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051102.D
Acq: 11 Sep 2018 2:00

Tgt Ion: 43 Resp: 1716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 34.8 | 33.5 | 50.3 |



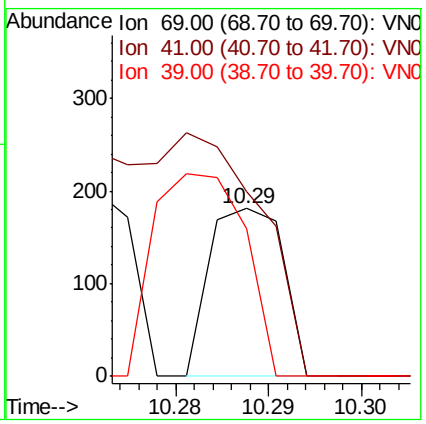


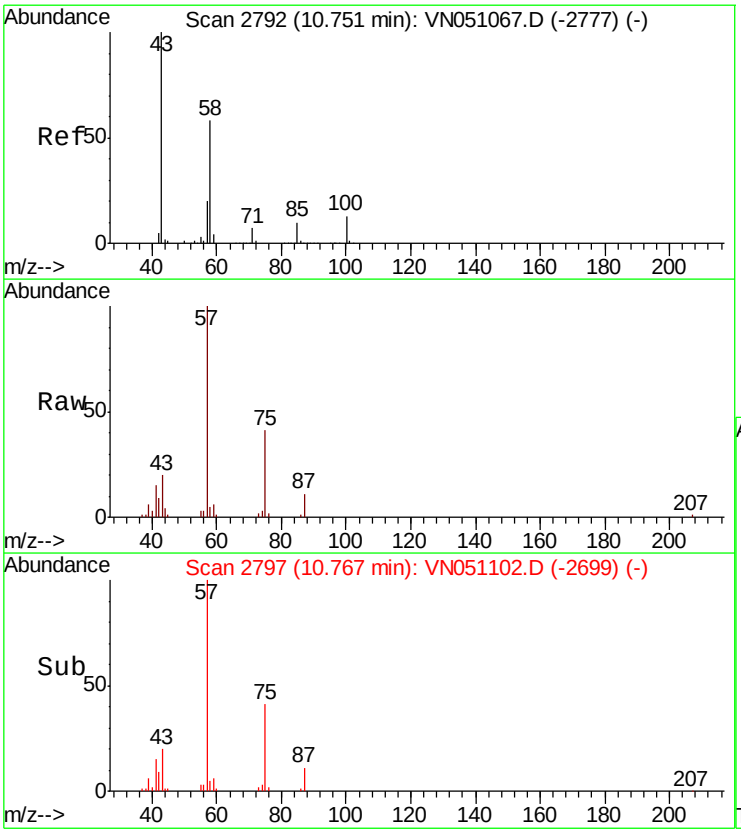

#56
Ethyl methacrylate
Concen: 2.46 ug/l
RT: 10.29 min Scan# 2648
Delta R.T. -0.14 min
Lab File: VN051102.D
Acq: 11 Sep 2018 2:00

**Instrument :** MSVOA_N
**ClientSampleId :** PL-05-090718-D

Tgt Ion: 69 Resp: 100

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 375.0 | 47.8 | 71.8# |
| 39 | 151.0 | 23.0 | 34.4# |

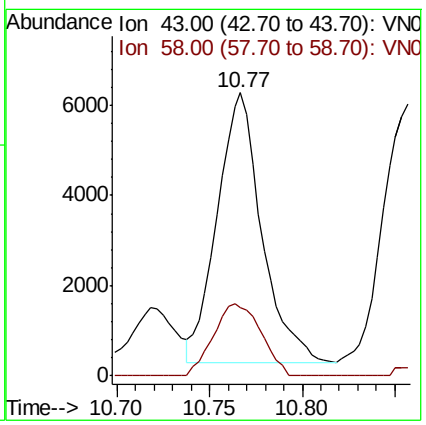


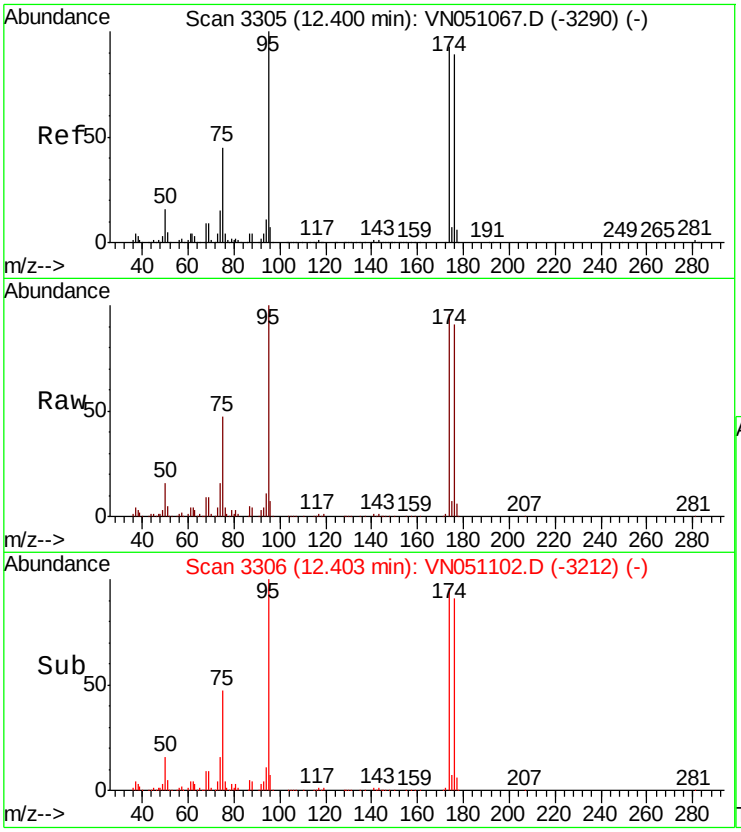




#59
2-Hexanone
Concen: 2.49 ug/l
RT: 10.77 min Scan# 2797
Delta R.T. 0.02 min
Lab File: VN051102.D
Acq: 11 Sep 2018 2:00

Tgt Ion: 43 Resp: 9906

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 28.7 | 29.3 | 88.0# |



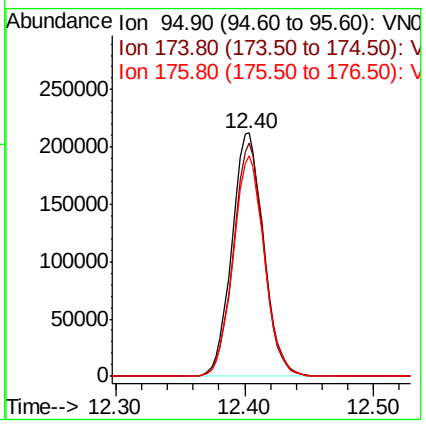


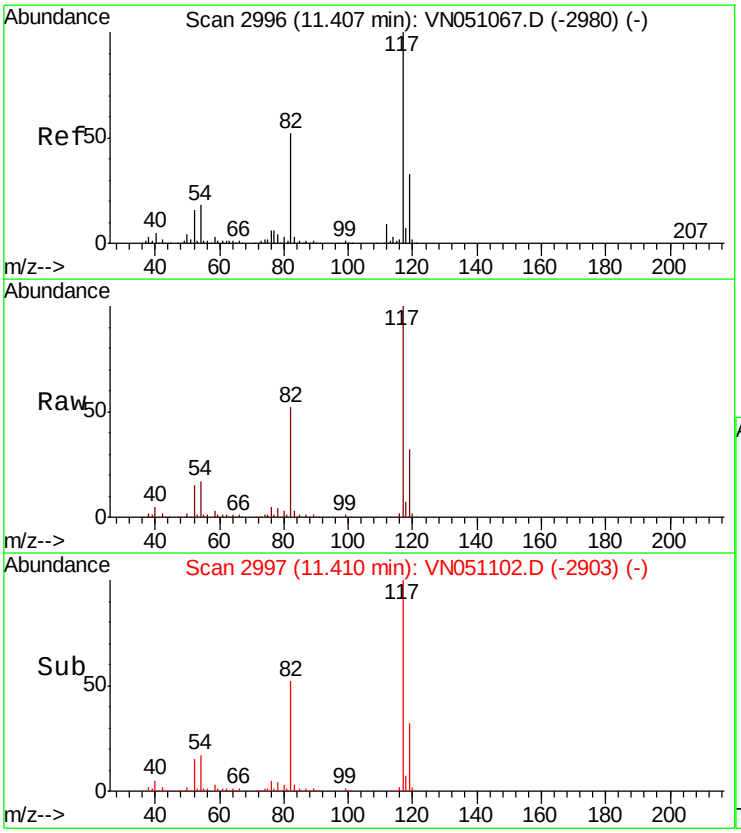

#62
4-Bromofluorobenzene
Concen: 40.18 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051102.D
Acq: 11 Sep 2018 2:00

**Instrument :**
MSVOA_N
**ClientSampleId :**
PL-05-090718-D

Tgt Ion: 95 Resp: 358708

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 94.8 | 0.0 | 184.8 |
| 176 | 89.8 | 0.0 | 178.6 |

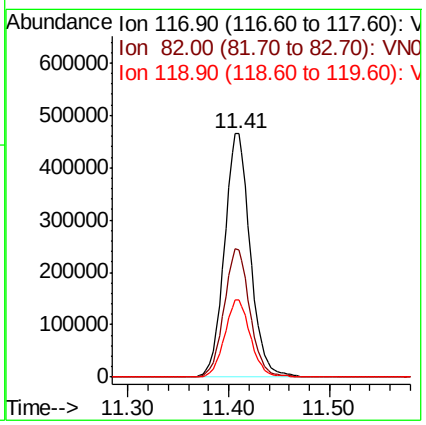


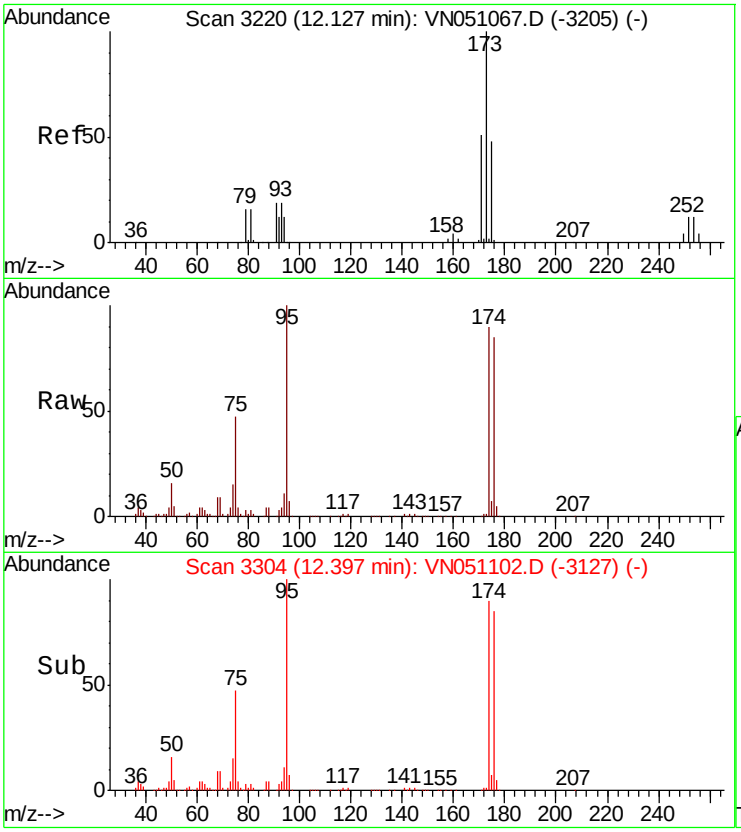




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051102.D
Acq: 11 Sep 2018 2:00

Tgt Ion:117 Resp: 828463

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 52.2 | 41.8 | 62.6 |
| 119 | 31.5 | 26.2 | 39.2 |



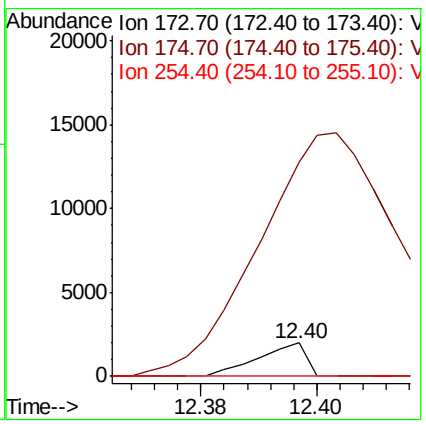


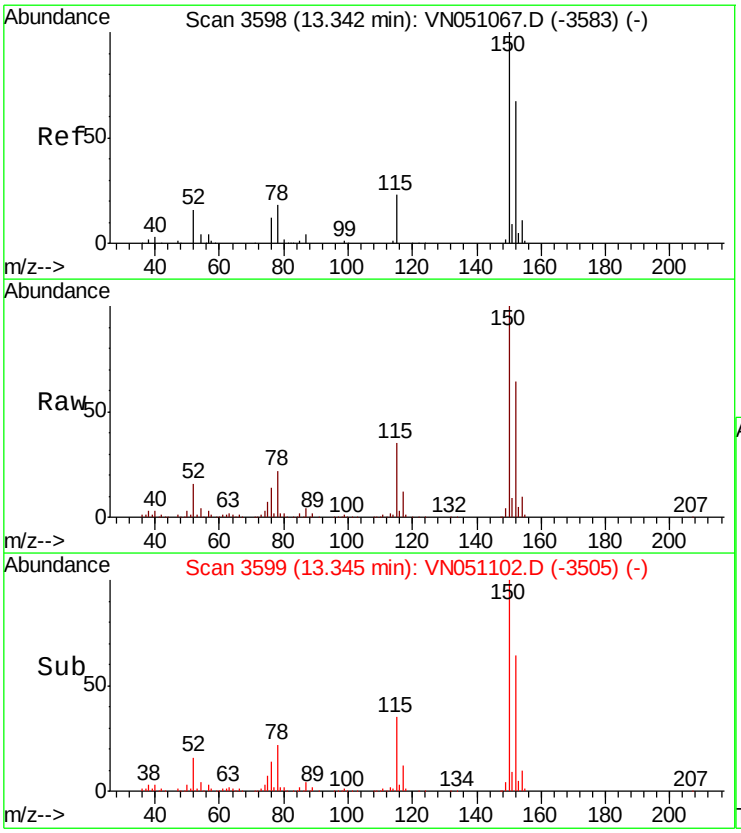

#71
Bromoform
Concen: 0.21 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.27 min
Lab File: VN051102.D
Acq: 11 Sep 2018 2:00

**Instrument :** MSVOA_N
**ClientSampleId :** PL-05-090718-D

Tgt Ion:173 Resp: 1137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 1830.8 | 24.3 | 72.9# |
| 254 | 0.0 | 0.0 | 0.0 |

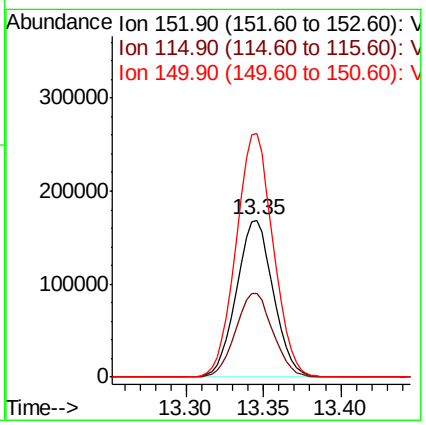


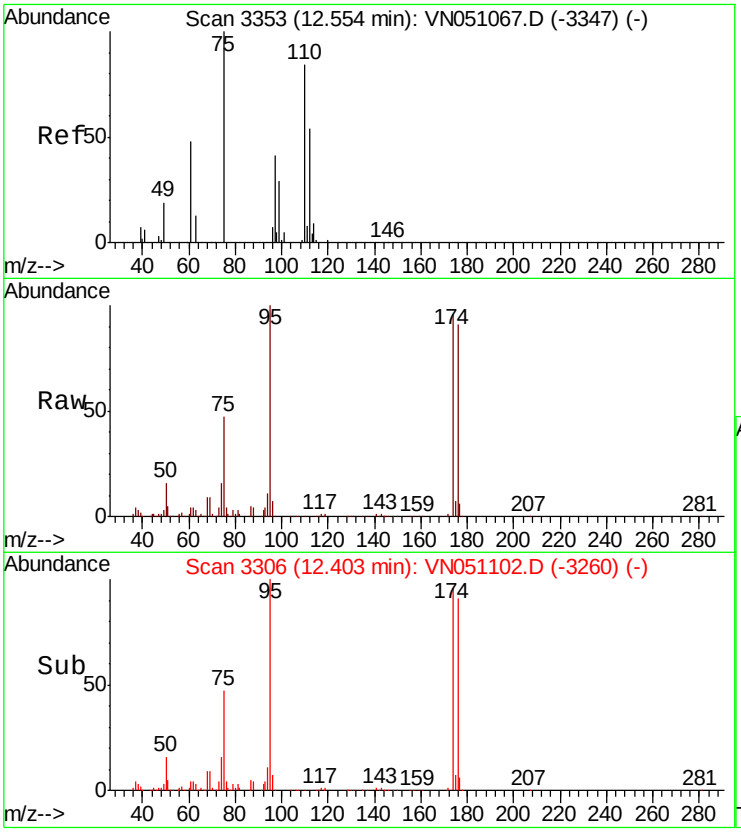




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051102.D
Acq: 11 Sep 2018 2:00

Tgt Ion:152 Resp: 278980

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 54.4 | 28.2 | 84.7 |
| 150 | 156.3 | 0.0 | 349.0 |



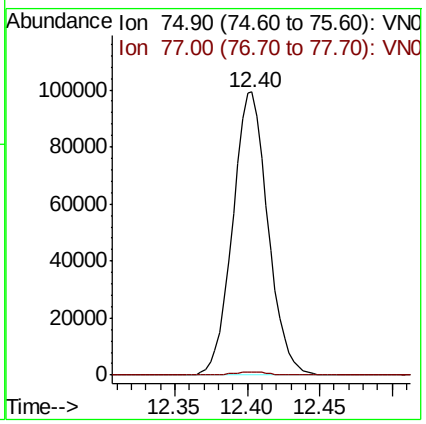


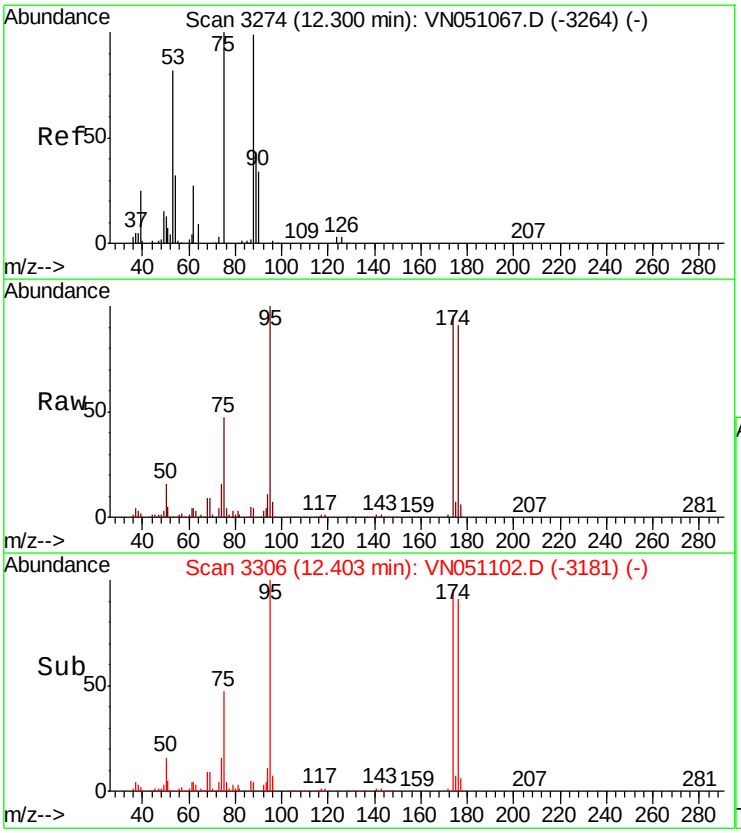

#76
1,2,3-Trichloropropane
Concen: 38.36 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.15 min
Lab File: VN051102.D
Acq: 11 Sep 2018 2:00

**Instrument :**
MSVOA_N
**ClientSampleId :**
PL-05-090718-D

Tgt Ion: 75 Resp: 167415

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

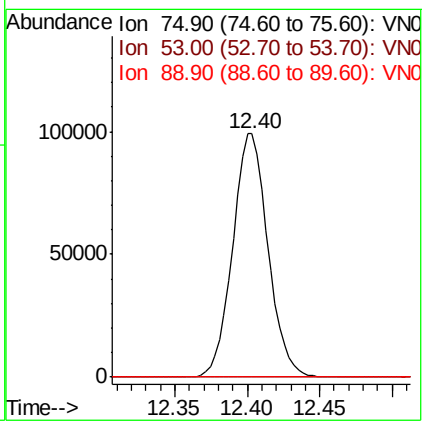


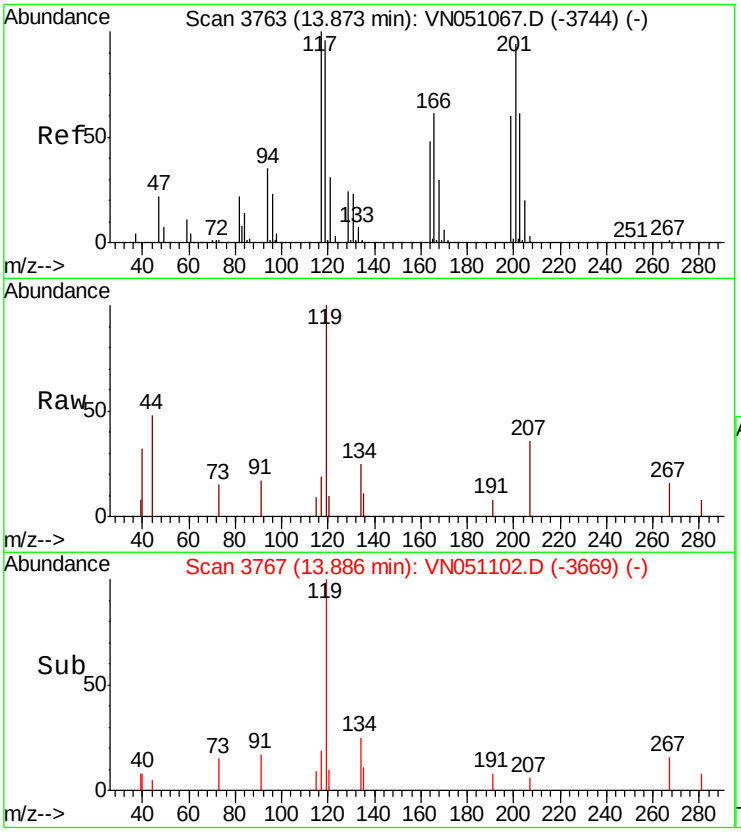




#81
trans-1,4-Dichloro-2-butene
Concen: 113.97 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN051102.D
Acq: 11 Sep 2018 2:00

Tgt Ion: 75 Resp: 167415

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.1 | 67.8 | 101.8# |
| 89 | 0.0 | 36.0 | 54.0# |



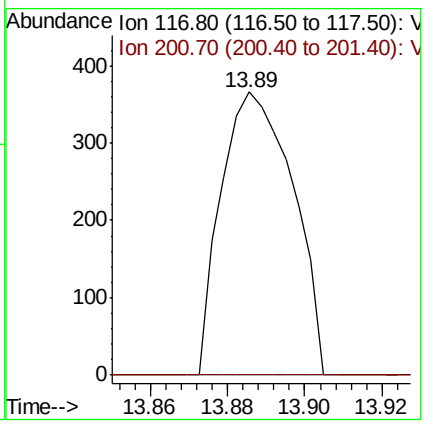


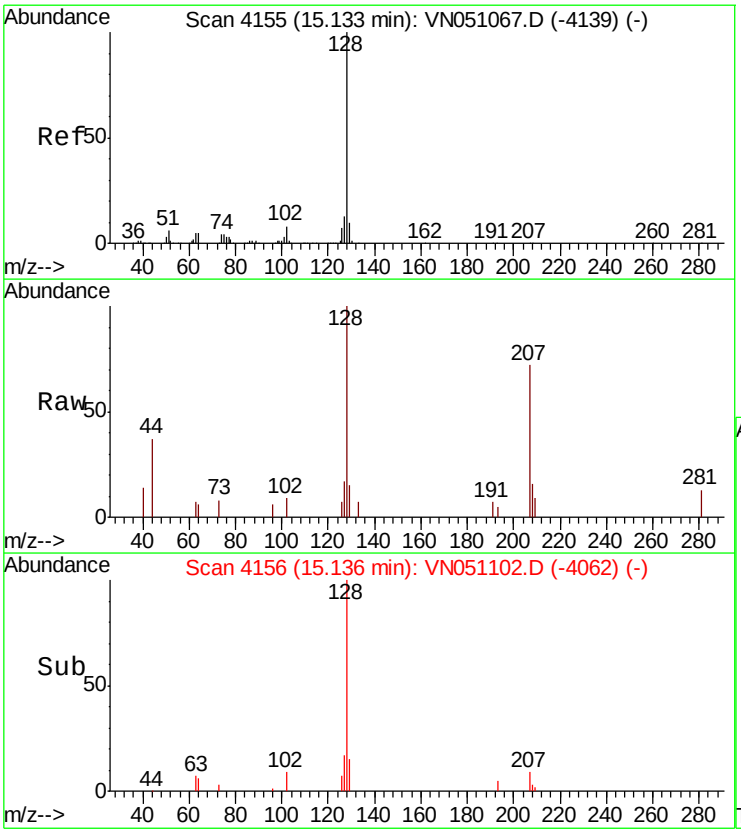

#90
Hexachloroethane
Concen: Below Cal
RT: 13.89 min Scan# 3767
Delta R.T. 0.01 min
Lab File: VN051102.D
Acq: 11 Sep 2018 2:00

**Instrument :**
MSVOA_N
**ClientSampleId :**
PL-05-090718-D

Tgt Ion:117 Resp: 470

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 0.0 | 47.3 | 142.0# |

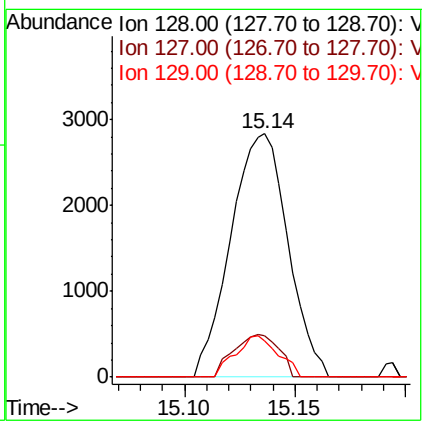


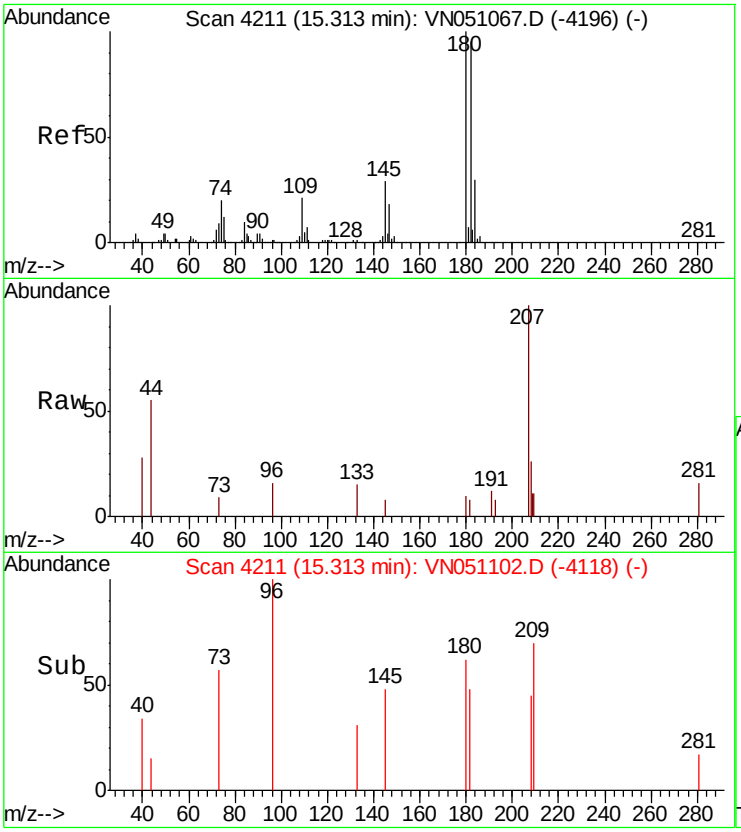




#95
Naphthalene
Concen: 5.78 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN051102.D
Acq: 11 Sep 2018 2:00

Tgt Ion:128 Resp: 5106

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.9 | 10.6 | 15.8 |
| 129 | 12.7 | 8.6 | 12.8 |






#96
1,2,3-Trichlorobenzene
Concen: 2.97 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN051102.D
Acq: 11 Sep 2018 2:00

**Instrument :**
MSVOA_N
**ClientSampleId :**
PL-05-090718-D

Tgt Ion:180 Resp: 103

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 57.3 | 47.8 | 143.3 |
| 145 | 58.3 | 14.6 | 43.8# |