Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082218\
Data File : VN050811.D
Acq On : 22 Aug 2018 11:45
Operator : MD\SY
Sample : VN0822MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** VN0822MBL01

Quant Time: Aug 23 01:01:25 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 | 610524 | 50.00 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 8.59 | 114 | 973860 | 50.00 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 11.41 | 117 | 824588 | 50.00 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152 | 265220 | 50.00 | ug/l | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.03 | 65 | 404636 | 55.05 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = | 110.10% | | | |
| 35) Dibromofluoromethane | 7.59 | 113 | 387045 | 49.96 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = | 99.92% | | | |
| 50) Toluene-d8 | 10.09 | 98 | 1345463 | 46.45 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = | 92.90% | | | |
| 62) 4-Bromofluorobenzene | 12.40 | 95 | 345206 | 35.86 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = | 71.72% | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 3) Chloromethane | 2.06 | 50 | 2259 | 0.22 | ug/l | # | 86 |
| 5) Bromomethane | 2.56 | 94 | 1165 | Below Cal | | | 97 |
| 10) Methyl Iodide | 3.96 | 142 | 872 | 6.45 | ug/l | # | 43 |
| 13) Acrolein | 3.62 | 56 | 63 | 18.13 | ug/l | # | 14 |
| 16) Acetone | 3.82 | 43 | 901 | Below Cal | | | 95 |
| 18) Methyl Acetate | 4.34 | 43 | 5978 | 0.86 | ug/l | # | 68 |
| 31) Cyclohexane | 7.67 | 56 | 10937 | 1.33 | ug/l | # | 1 |
| 36) 1,1-Dichloropropene | 7.66 | 75 | 41524 | 3.61 | ug/l | # | 49 |
| 38) Carbon Tetrachloride | 7.67 | 117 | 55209 | 4.75 | ug/l | # | 18 |
| 43) Isopropyl Acetate | 8.22 | 43 | 15100 | 1.33 | ug/l | # | 58 |
| 59) 2-Hexanone | 10.76 | 43 | 1017 | 0.23 | ug/l | # | 23 |
| 75) 1,1,2,2-Tetrachloroethane | 12.40 | 83 | 31 | Below Cal | | # | 1 |
| 76) 1,2,3-Trichloropropane | 12.40 | 75 | 162944 | 35.08 | ug/l | # | 100 |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75 | 162944 | 118.58 | ug/l | # | 15 |
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180 | 396 | 4.15 | ug/l | # | 58 |
| 94) Hexachlorobutadiene | 15.01 | 225 | 397 | Below Cal | | # | 19 |
| 95) Naphthalene | 15.13 | 128 | 1418 | 5.52 | ug/l | # | 69 |
| 96) 1,2,3-Trichlorobenzene | 15.32 | 180 | 447 | 3.38 | ug/l | # | 52 |

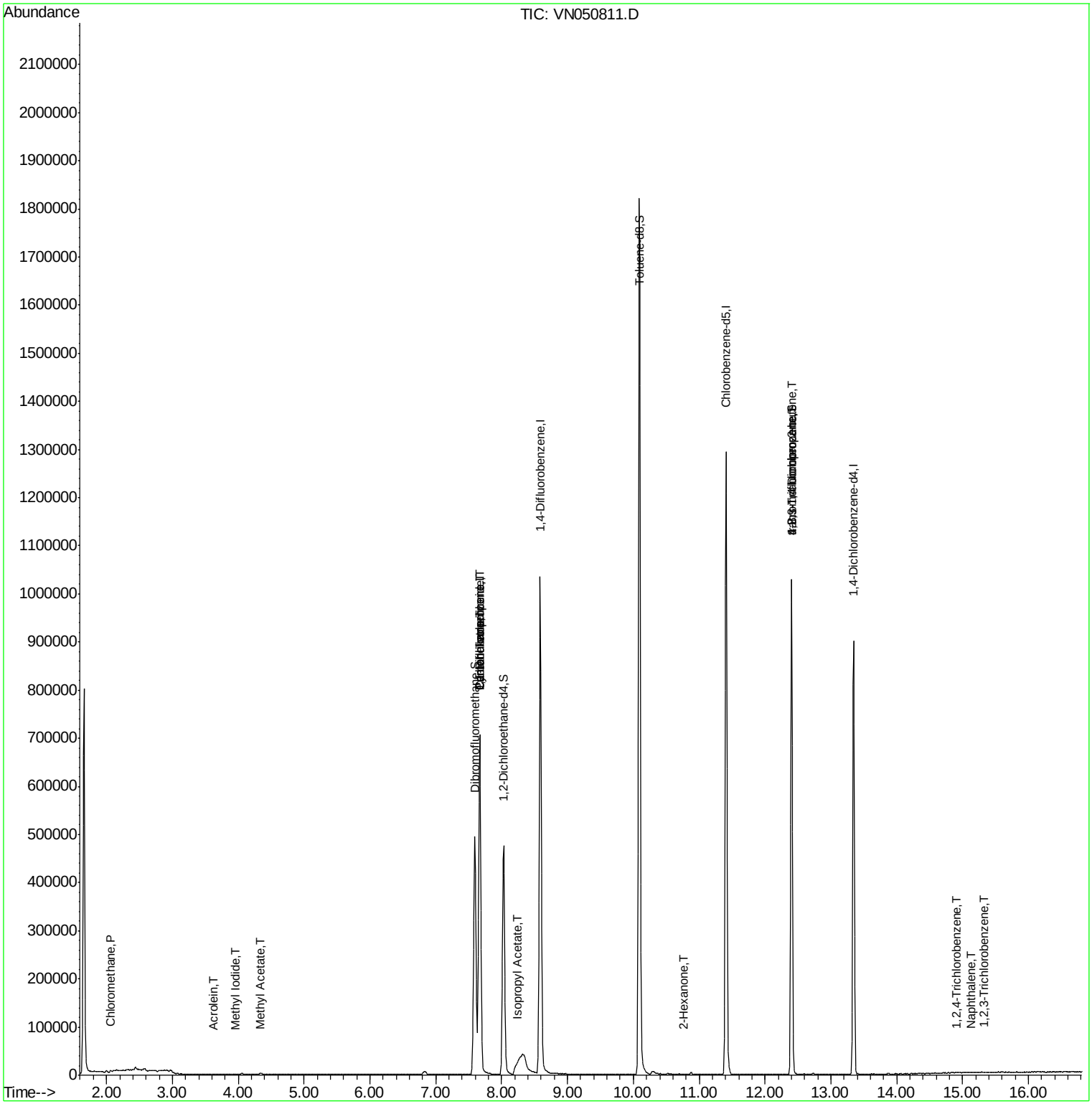
(#) = qualifier out of range (m) = manual integration (+) = signals summed

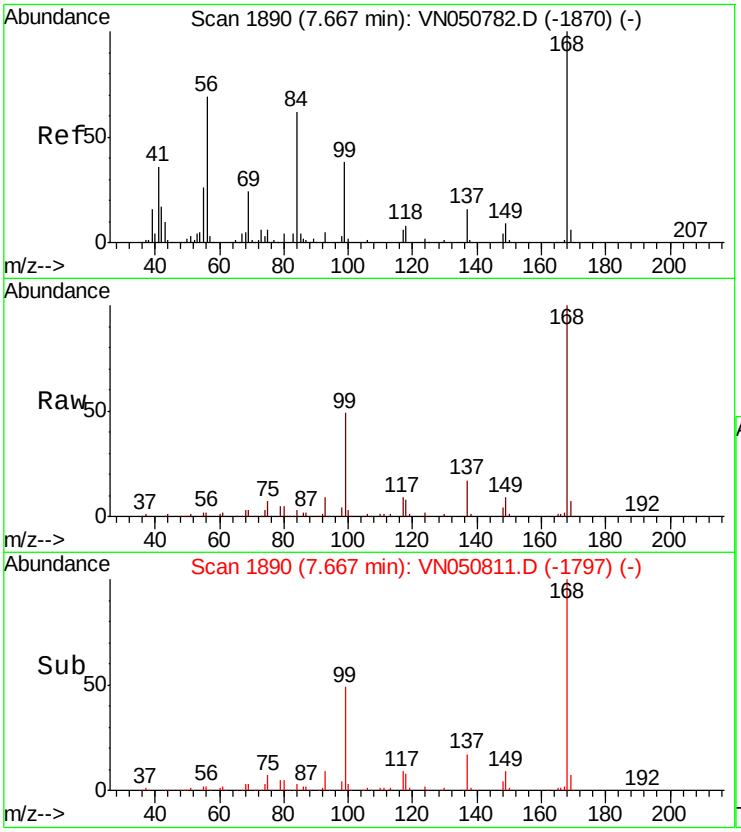
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082218\
Data File : VN050811.D
Acq On : 22 Aug 2018 11:45
Operator : MD\SY
Sample : VN0822MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** VN0822MBL01

Quant Time: Aug 23 01:01:25 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



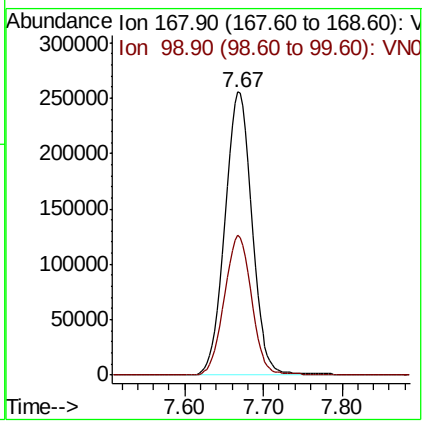


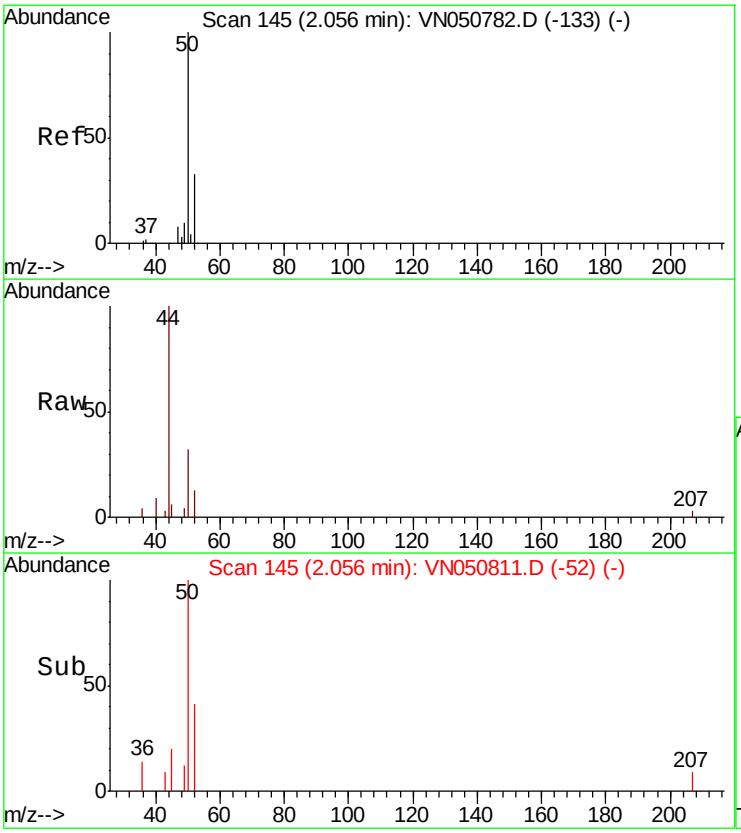

#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.00 min
Lab File: VN050811.D
Acq: 22 Aug 2018 11:45

Tgt Ion:168 Resp: 610524

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 49.4 | 39.6 | 59.4 |

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0822MBL01

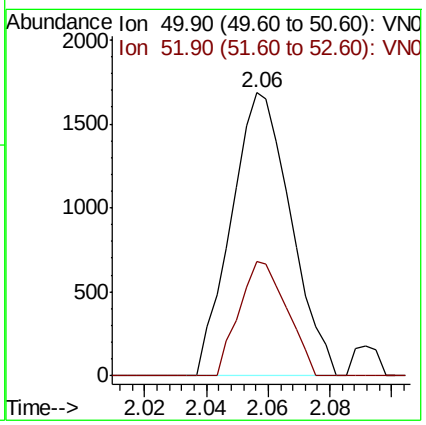


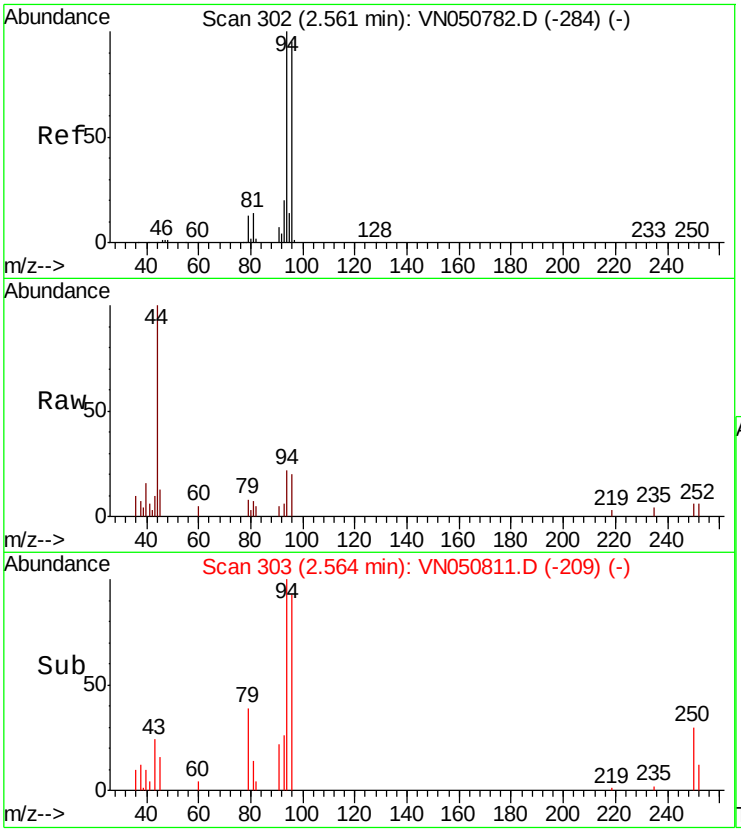




#3
Chloromethane
Concen: 0.22 ug/l
RT: 2.06 min Scan# 145
Delta R.T. -0.00 min
Lab File: VN050811.D
Acq: 22 Aug 2018 11:45

Tgt Ion: 50 Resp: 2259

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 40.6 | 26.3 | 39.5# |



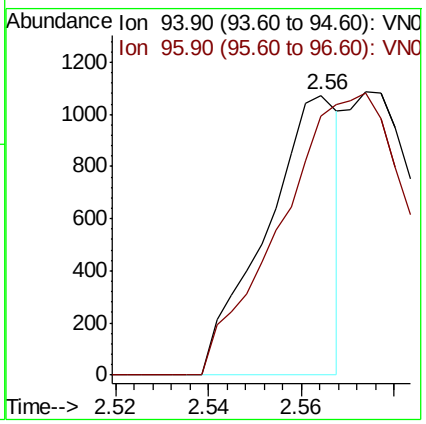


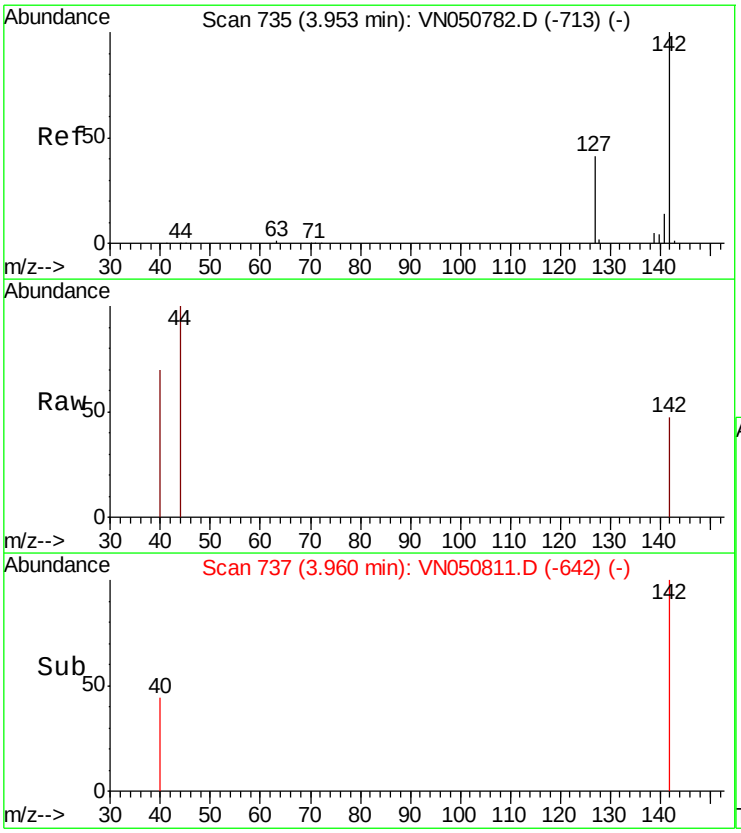

#5
Bromomethane
Concen: Below Cal
RT: 2.56 min Scan# 303
Delta R.T. 0.00 min
Lab File: VN050811.D
Acq: 22 Aug 2018 11:45

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0822MBL01

Tgt Ion: 94 Resp: 1165

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 92.6 | 76.2 | 114.2 |

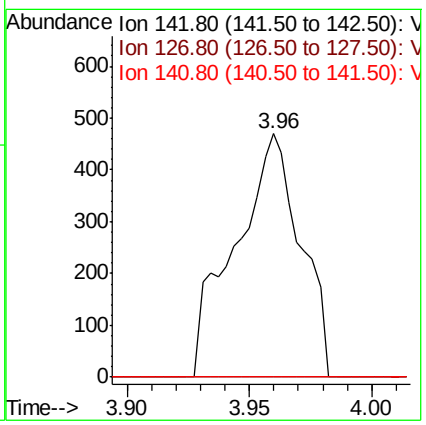


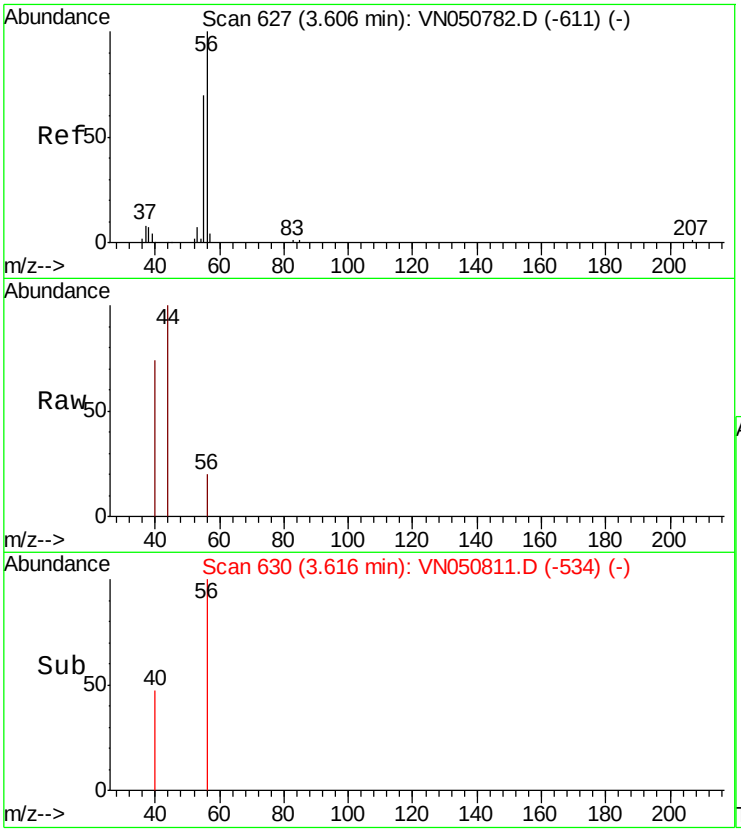




#10
Methyl Iodide
Concen: 6.45 ug/l
RT: 3.96 min Scan# 737
Delta R.T. 0.01 min
Lab File: VN050811.D
Acq: 22 Aug 2018 11:45

Tgt Ion:142 Resp: 872

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



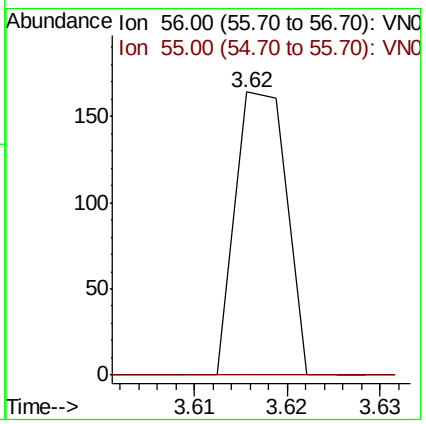


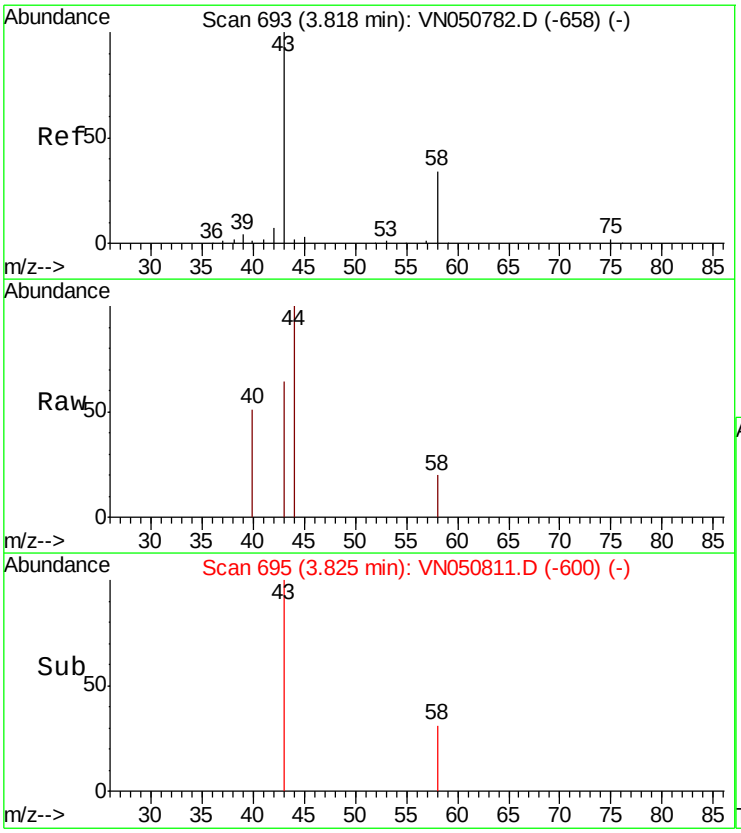

#13
Acrolein
Concen: 18.13 ug/l
RT: 3.62 min Scan# 630
Delta R.T. 0.01 min
Lab File: VN050811.D
Acq: 22 Aug 2018 11:45

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0822MBL01

Tgt Ion: 56 Resp: 63

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

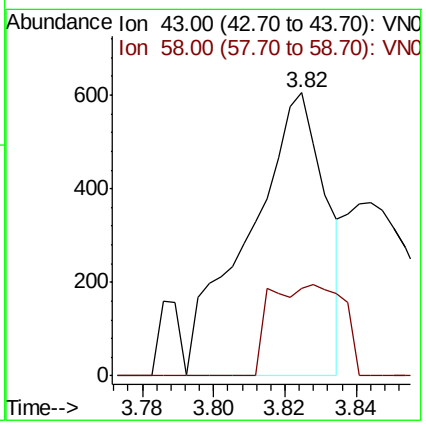


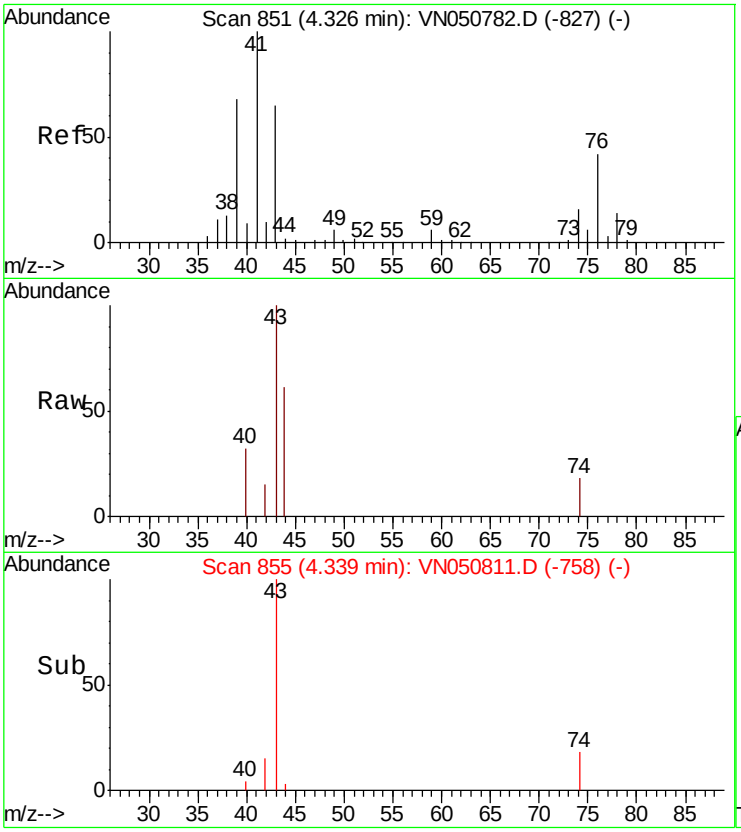




#16
Acetone
Concen: Below Cal
RT: 3.82 min Scan# 695
Delta R.T. 0.01 min
Lab File: VN050811.D
Acq: 22 Aug 2018 11:45

Tgt Ion: 43 Resp: 901

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.9 | 27.2 | 40.8 |



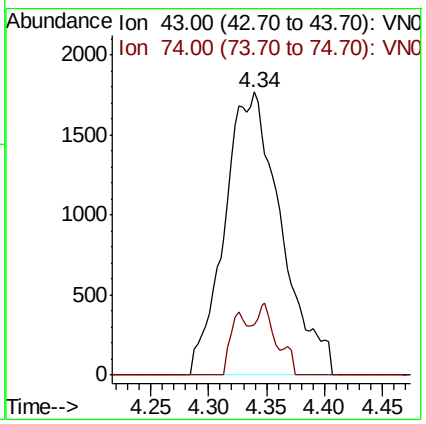


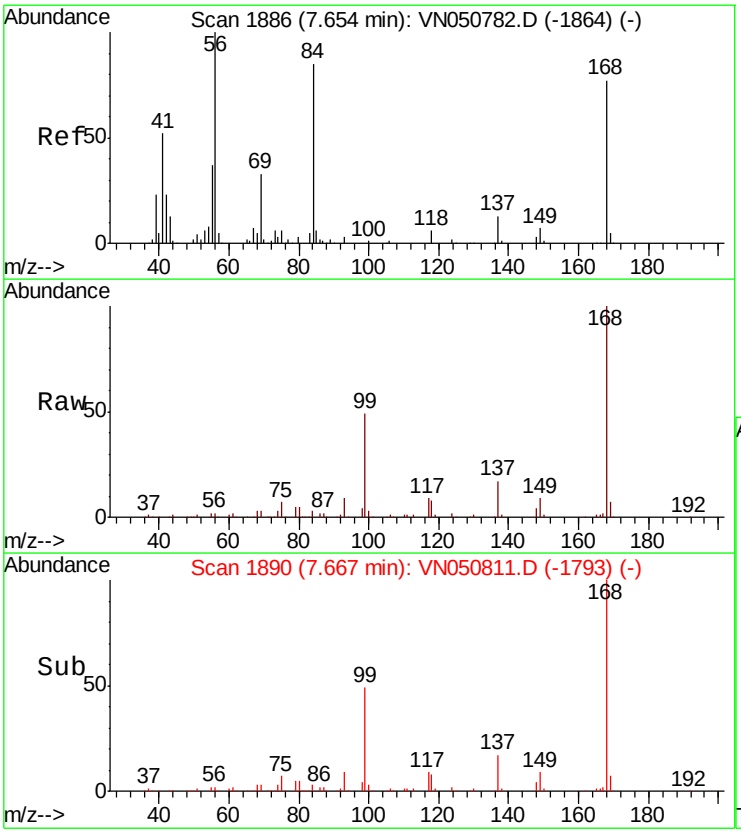

#18
Methyl Acetate
Concen: 0.86 ug/l
RT: 4.34 min Scan# 855
Delta R.T. 0.01 min
Lab File: VN050811.D
Acq: 22 Aug 2018 11:45

**Instrument :** MSVOA_N
**ClientSampleId :** VN0822MBL01

Tgt Ion: 43 Resp: 5978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 8.8 | 19.8 | 29.8# |

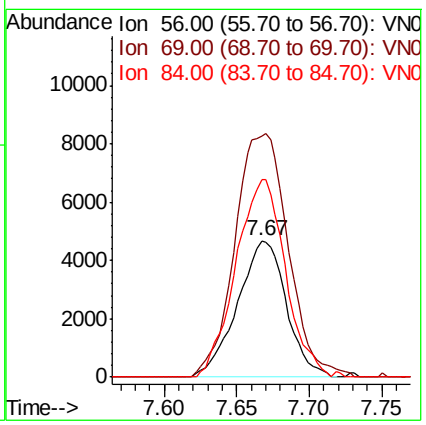


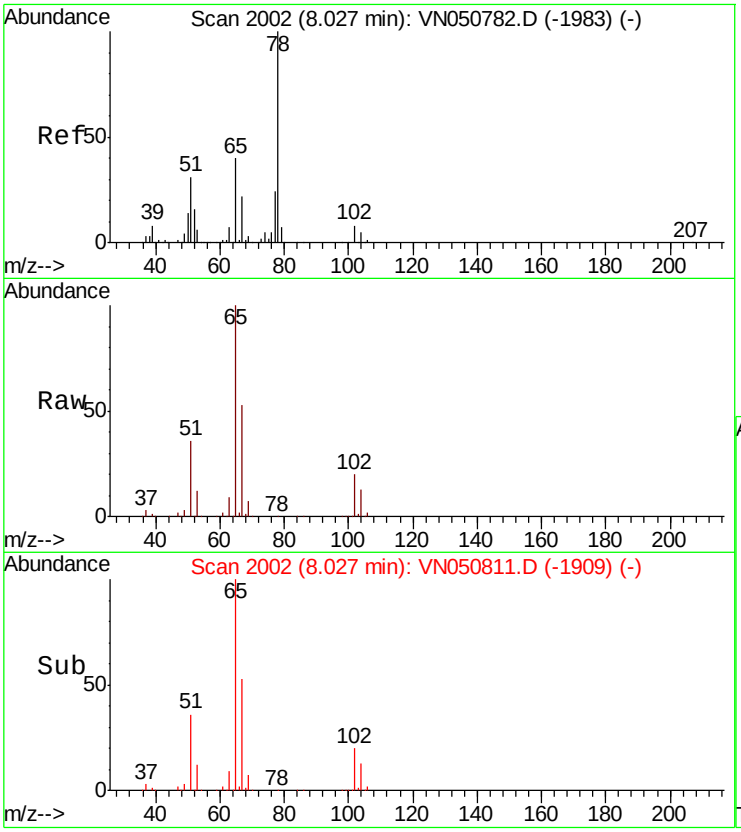




#31
Cyclohexane
Concen: 1.33 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN050811.D
Acq: 22 Aug 2018 11:45

Tgt Ion: 56 Resp: 10937

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 177.5 | 26.2 | 39.4# |
| 84 | 145.2 | 68.3 | 102.5# |



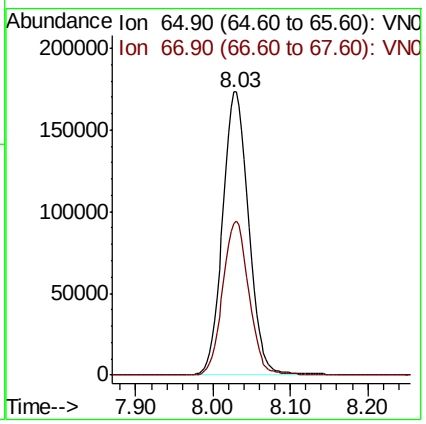


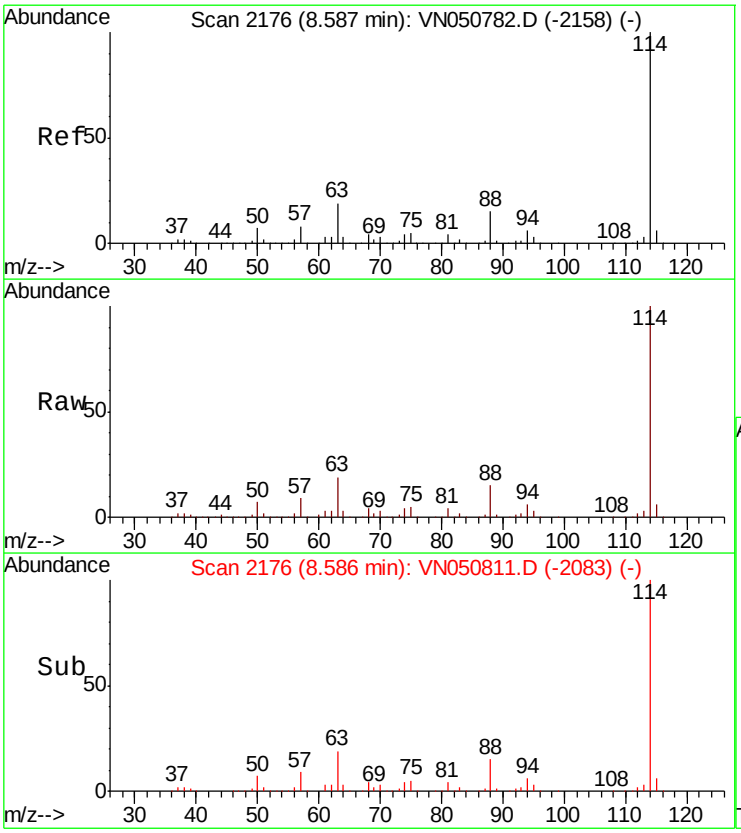

#33
1,2-Dichloroethane-d4
Concen: 55.05 ug/l
RT: 8.03 min Scan# 2002
Delta R.T. -0.00 min
Lab File: VN050811.D
Acq: 22 Aug 2018 11:45

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0822MBL01

Tgt Ion: 65 Resp: 404636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 54.4 | 0.0 | 110.4 |

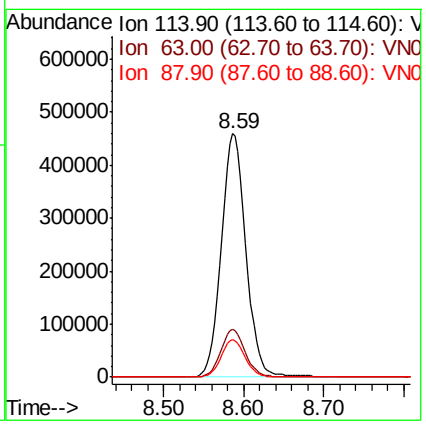


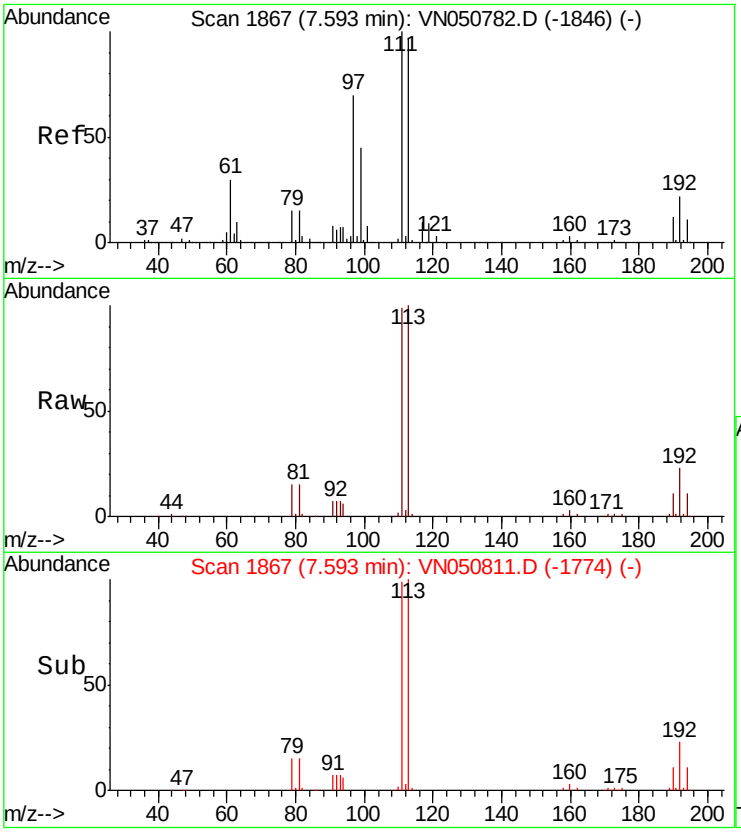




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.59 min Scan# 2176
Delta R.T. -0.00 min
Lab File: VN050811.D
Acq: 22 Aug 2018 11:45

Tgt Ion:114 Resp: 973860

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.4 | 0.0 | 38.6 |
| 88 | 15.4 | 0.0 | 30.6 |



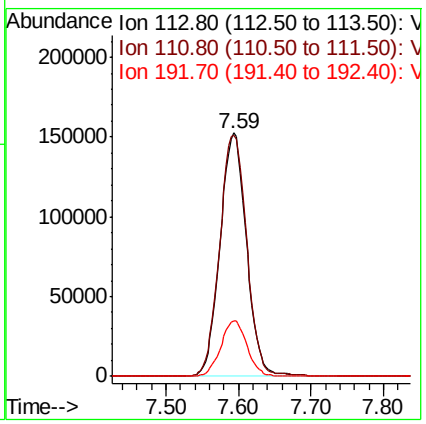


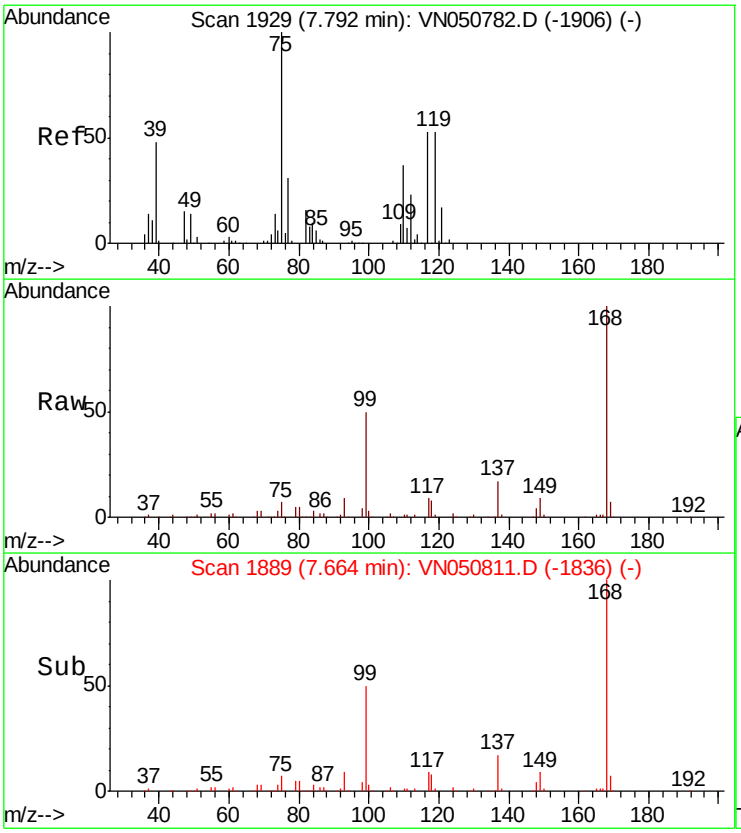

#35
Dibromofluoromethane
Concen: 49.96 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN050811.D
Acq: 22 Aug 2018 11:45

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0822MBL01

Tgt Ion:113 Resp: 387045

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.0 | 82.6 | 123.8 |
| 192 | 22.7 | 18.0 | 27.0 |

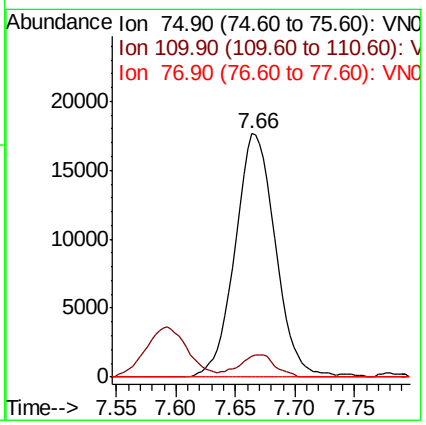


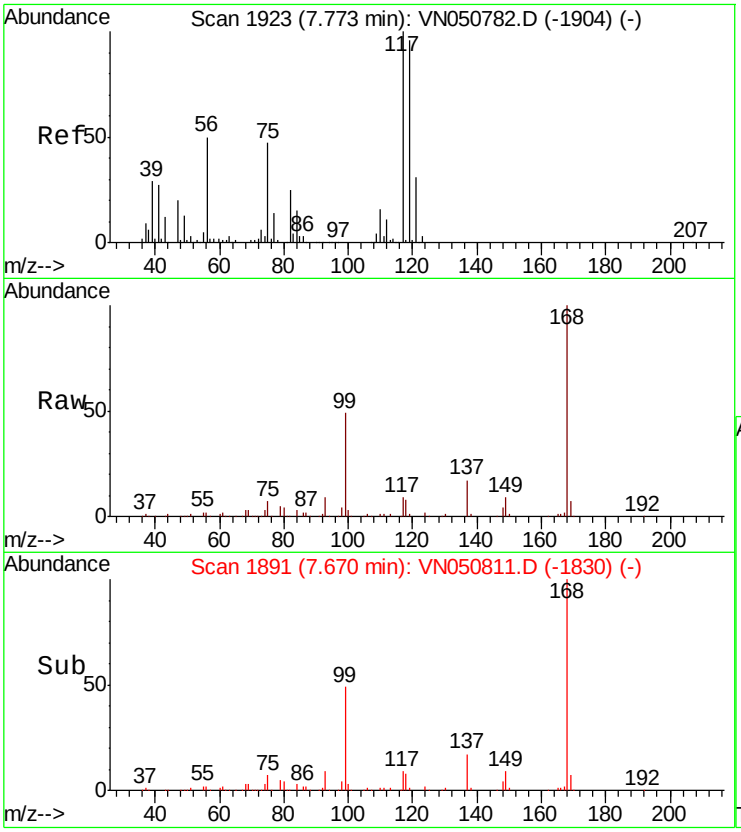




#36
1,1-Dichloropropene
Concen: 3.61 ug/l
RT: 7.66 min Scan# 1889
Delta R.T. -0.13 min
Lab File: VN050811.D
Acq: 22 Aug 2018 11:45

Tgt Ion: 75 Resp: 41524

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 8.4 | 18.1 | 54.4# |
| 77 | 0.0 | 24.8 | 37.2# |



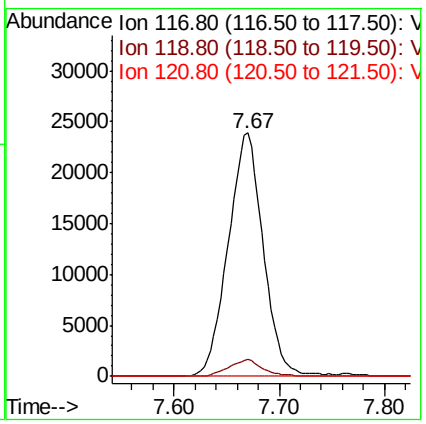


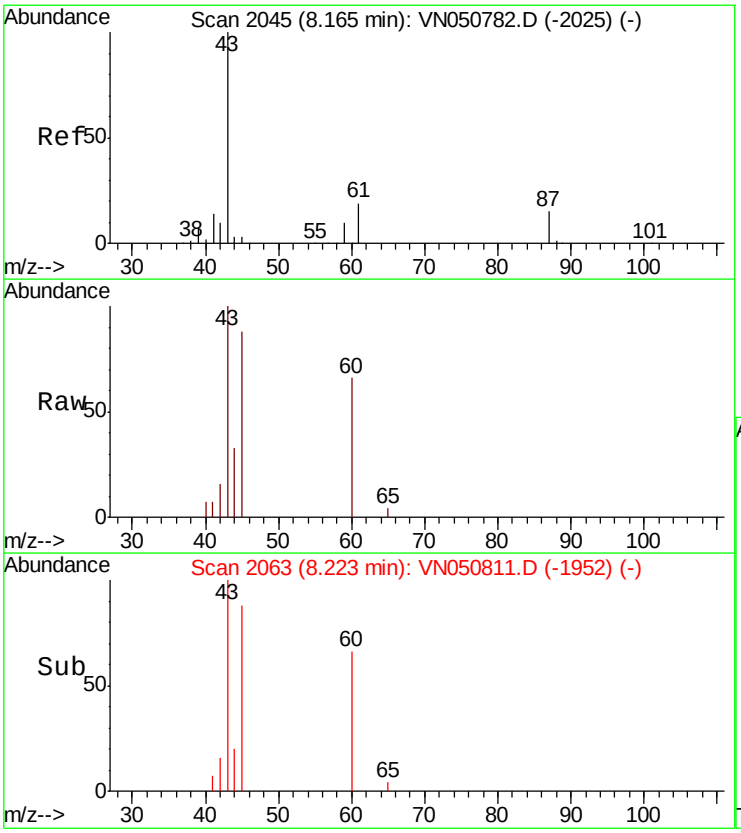

#38
Carbon Tetrachloride
Concen: 4.75 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. -0.10 min
Lab File: VN050811.D
Acq: 22 Aug 2018 11:45

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0822MBL01

Tgt Ion:117 Resp: 55209

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 6.9 | 76.3 | 114.5# |
| 121 | 0.0 | 24.6 | 36.8# |

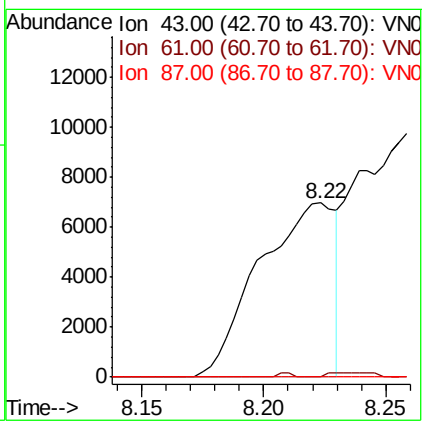


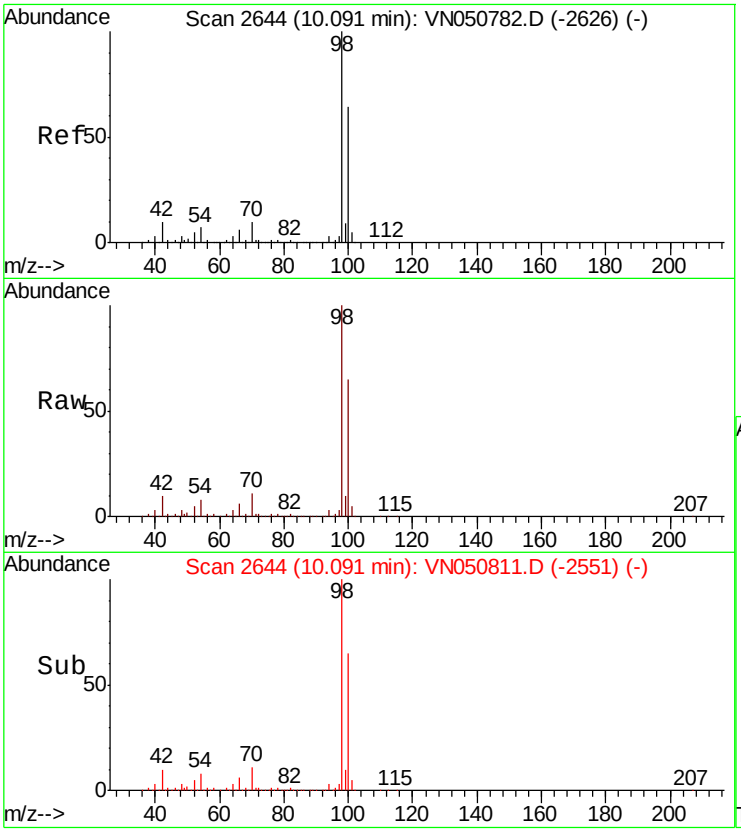




#43
Isopropyl Acetate
Concen: 1.33 ug/l
RT: 8.22 min Scan# 2063
Delta R.T. 0.06 min
Lab File: VN050811.D
Acq: 22 Aug 2018 11:45

Tgt Ion: 43 Resp: 15100

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 0.0 | 17.5 | 26.3# |
| 87 | 0.0 | 11.3 | 16.9# |



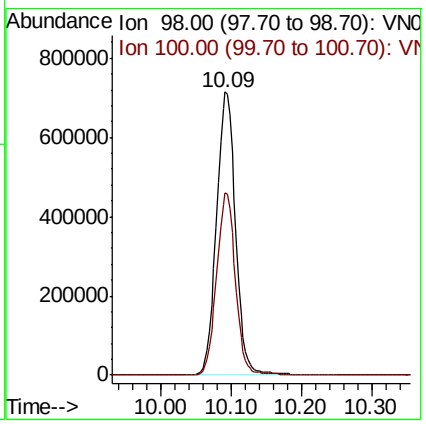


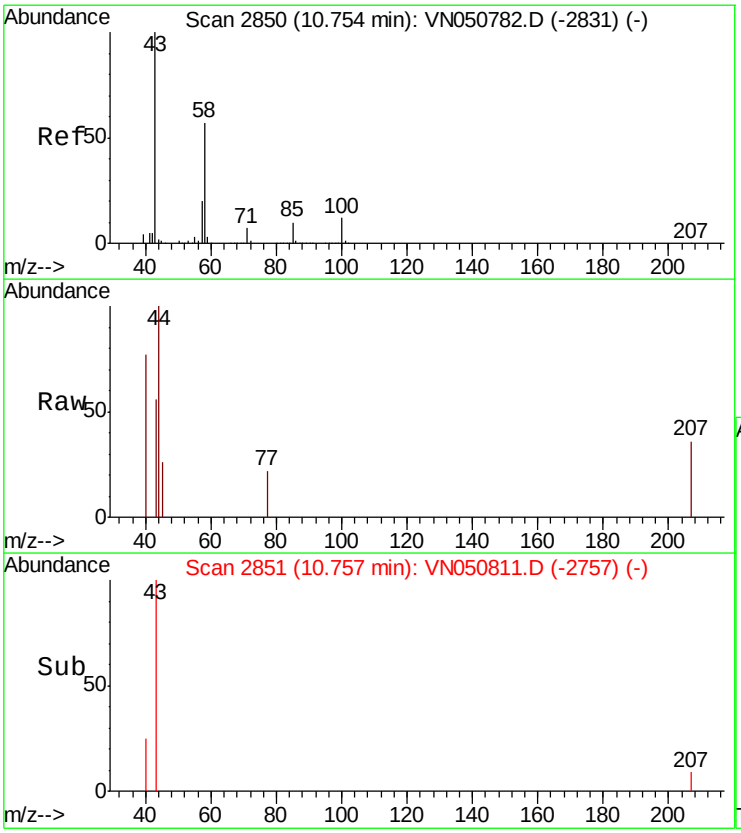

#50
Toluene-d8
Concen: 46.45 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050811.D
Acq: 22 Aug 2018 11:45

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0822MBL01

Tgt Ion: 98 Resp: 1345463

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 63.9 | 51.5 | 77.3 |

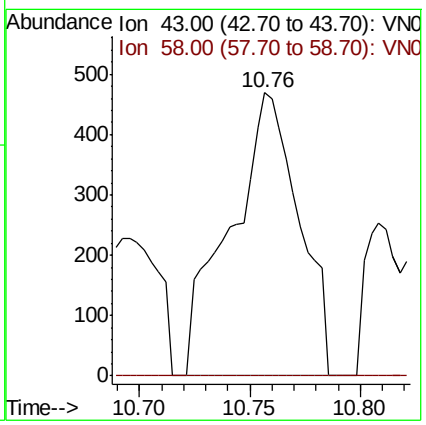


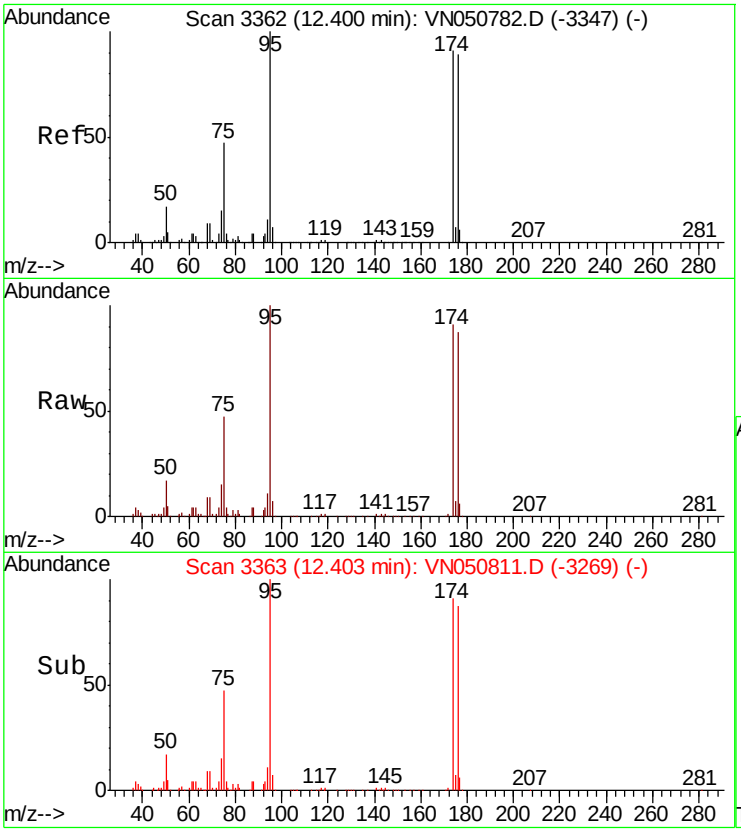




#59
2-Hexanone
Concen: 0.23 ug/l
RT: 10.76 min Scan# 2851
Delta R.T. 0.00 min
Lab File: VN050811.D
Acq: 22 Aug 2018 11:45

Tgt Ion: 43 Resp: 1017

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 0.0 | 28.3 | 85.0# |



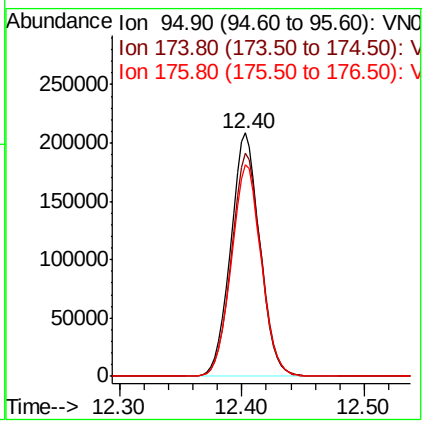


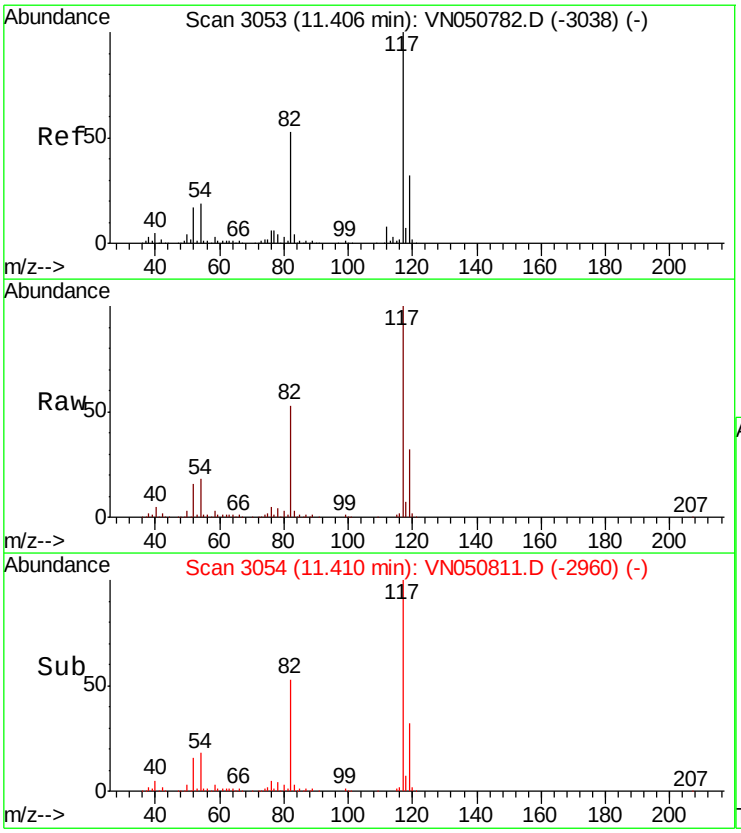

#62
4-Bromofluorobenzene
Concen: 35.86 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050811.D
Acq: 22 Aug 2018 11:45

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0822MBL01

Tgt Ion: 95 Resp: 345206

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 92.9 | 0.0 | 183.0 |
| 176 | 88.8 | 0.0 | 178.8 |

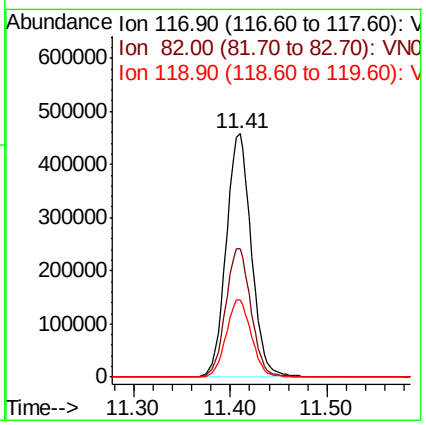


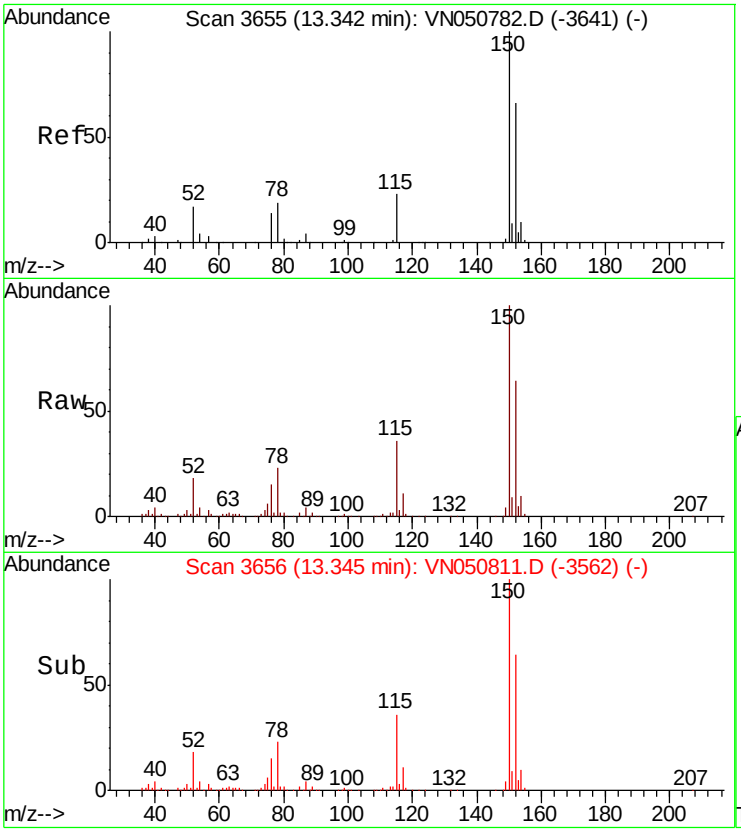




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050811.D
Acq: 22 Aug 2018 11:45

Tgt Ion:117 Resp: 824588

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 53.0 | 42.6 | 64.0 |
| 119 | 31.8 | 25.8 | 38.6 |



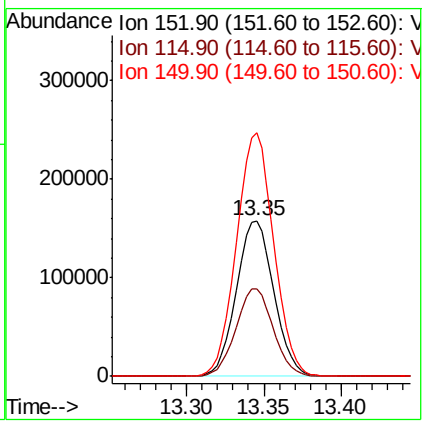


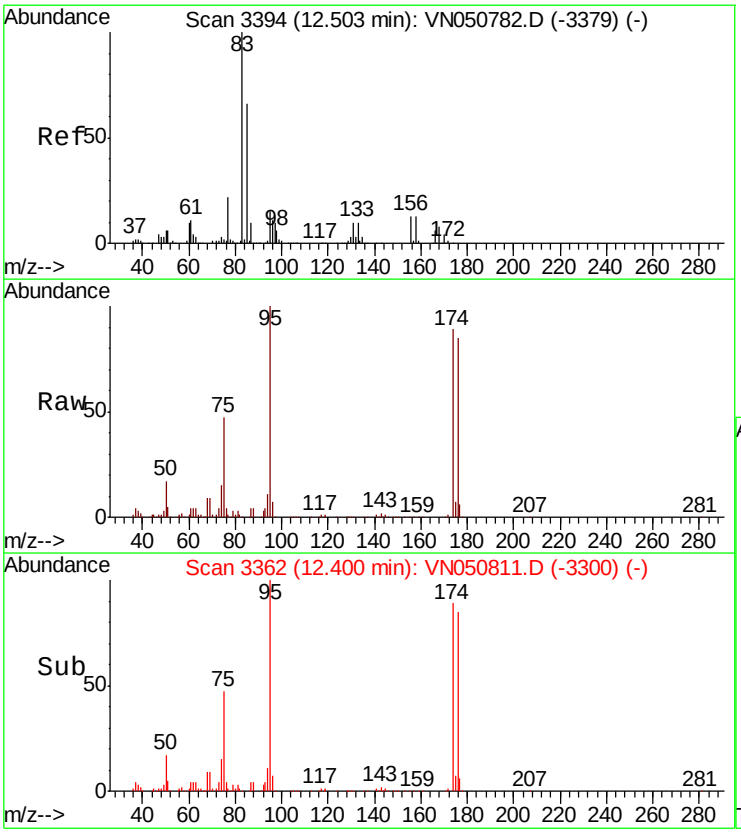

#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050811.D
Acq: 22 Aug 2018 11:45

**Instrument :** MSVOA_N
**ClientSampleId :** VN0822MBL01

Tgt Ion:152 Resp: 265220

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 56.0 | 27.8 | 83.4 |
| 150 | 155.9 | 0.0 | 351.4 |

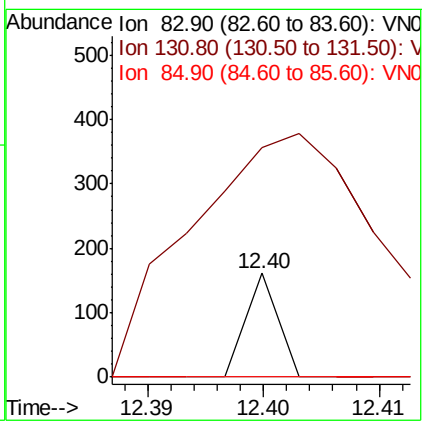


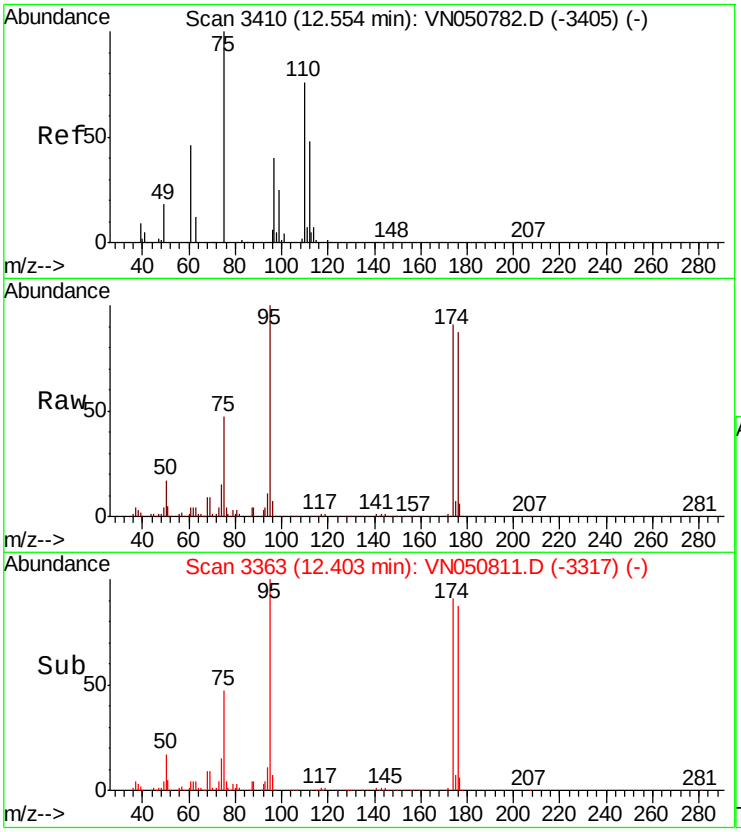




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.40 min Scan# 3362
Delta R.T. -0.10 min
Lab File: VN050811.D
Acq: 22 Aug 2018 11:45

Tgt Ion: 83 Resp: 31

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 1322.6 | 5.3 | 15.9# |
| 85 | 0.0 | 31.9 | 95.7# |



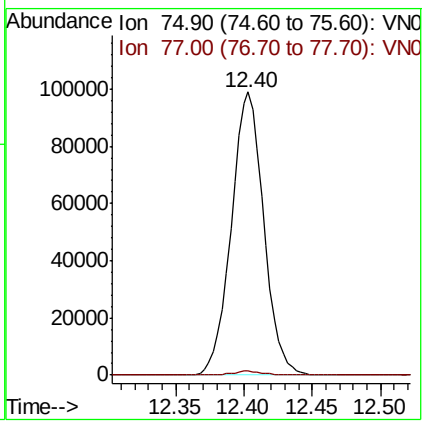


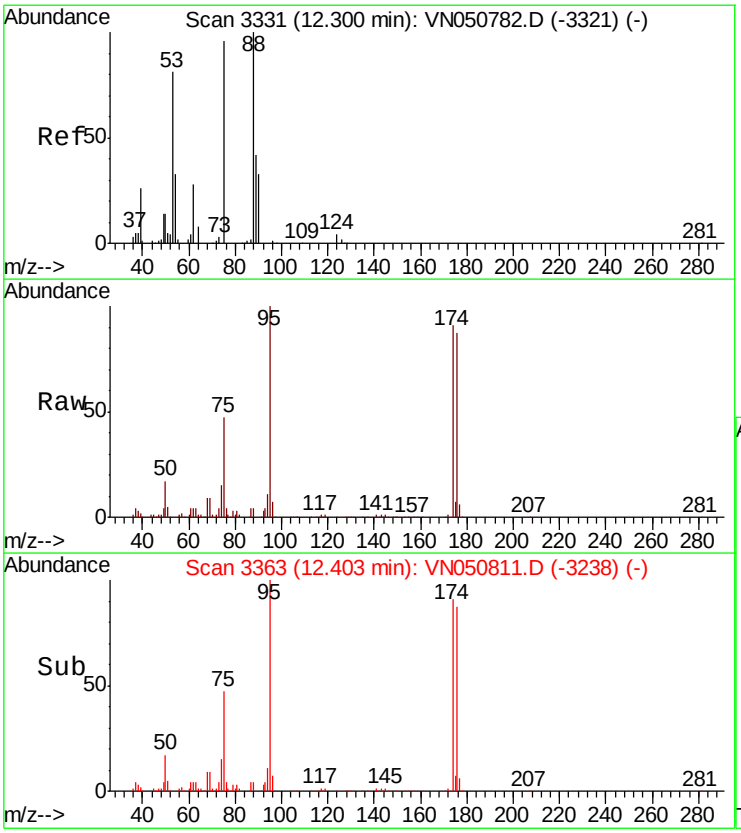

#76
1,2,3-Trichloropropane
Concen: 35.08 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. -0.15 min
Lab File: VN050811.D
Acq: 22 Aug 2018 11:45

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0822MBL01

Tgt Ion: 75 Resp: 162944

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

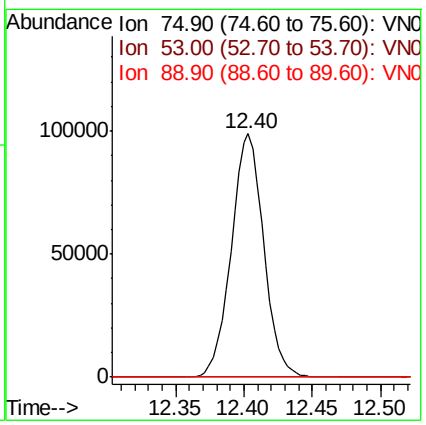


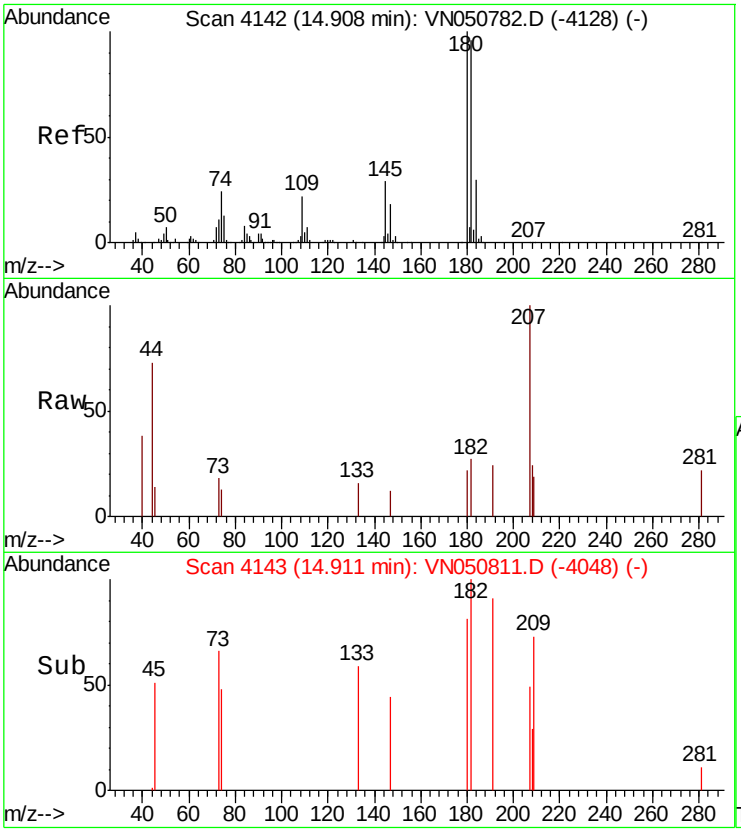




#81
trans-1,4-Dichloro-2-butene
Concen: 118.58 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.10 min
Lab File: VN050811.D
Acq: 22 Aug 2018 11:45

Tgt Ion: 75 Resp: 162944

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



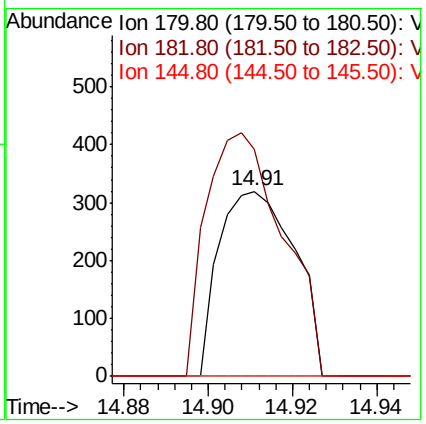


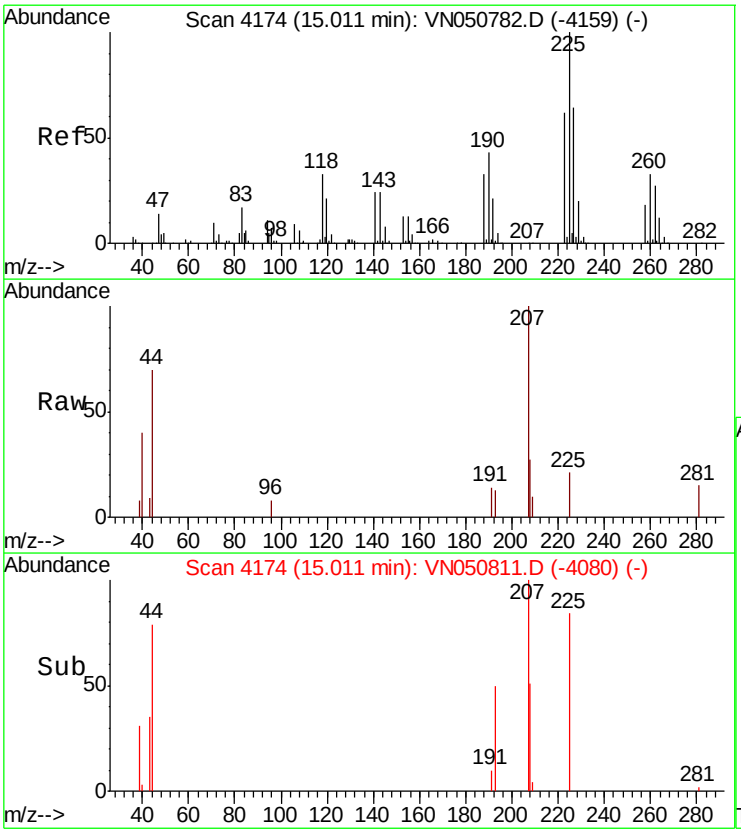

#93
1,2,4-Trichlorobenzene
Concen: 4.15 ug/l
RT: 14.91 min Scan# 4143
Delta R.T. 0.00 min
Lab File: VN050811.D
Acq: 22 Aug 2018 11:45

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0822MBL01

Tgt Ion:180 Resp: 396

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 134.1 | 48.2 | 144.6 |
| 145 | 0.0 | 14.1 | 42.2# |

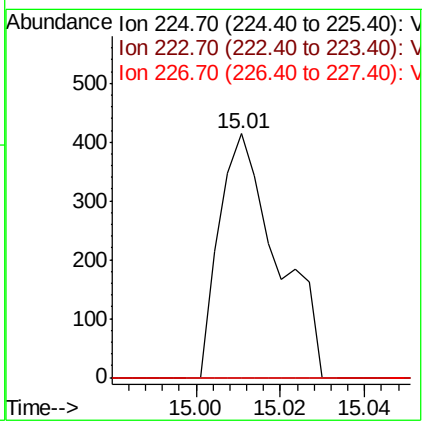


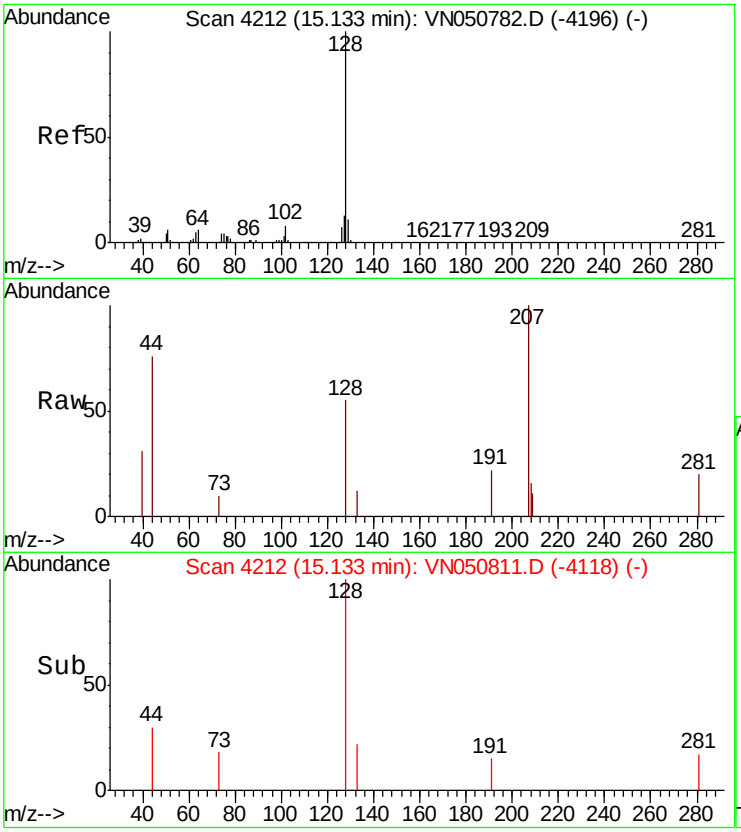




#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.01 min Scan# 4174
Delta R.T. 0.00 min
Lab File: VN050811.D
Acq: 22 Aug 2018 11:45

Tgt Ion:225 Resp: 397

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 0.0 | 31.3 | 93.8# |
| 227 | 0.0 | 32.0 | 96.2# |



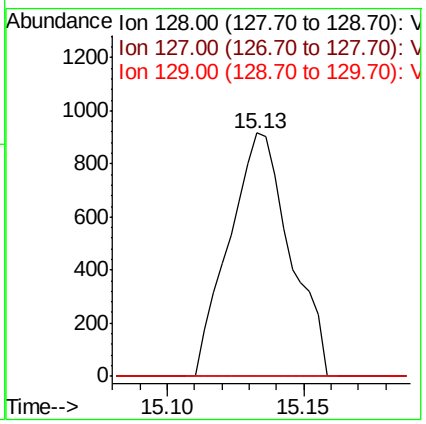


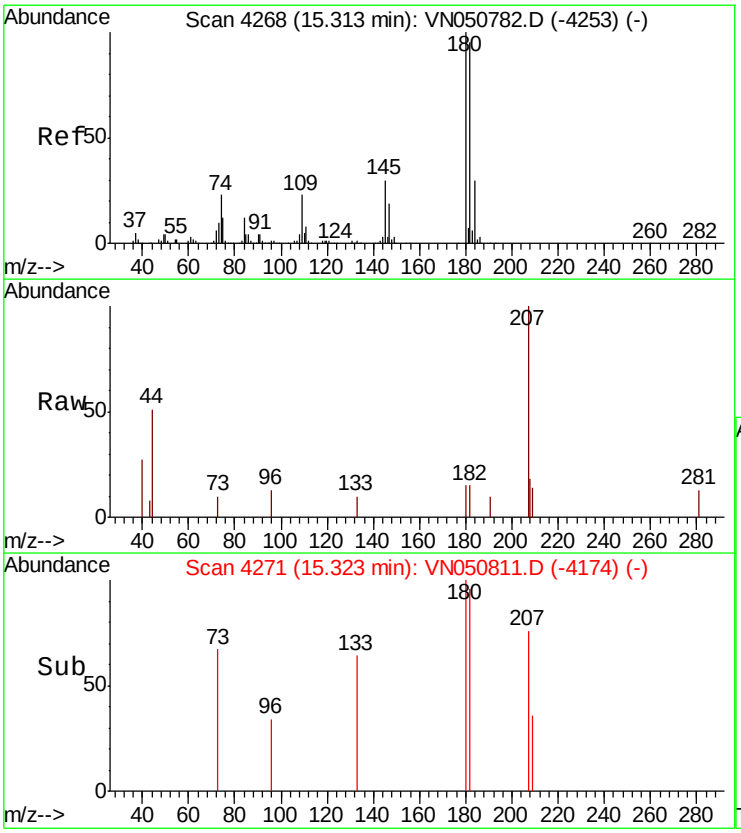

#95
Naphthalene
Concen: 5.52 ug/l
RT: 15.13 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN050811.D
Acq: 22 Aug 2018 11:45

**Instrument :** MSVOA_N
**ClientSampleId :** VN0822MBL01

Tgt Ion:128 Resp: 1418

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




#96
1,2,3-Trichlorobenzene
Concen: 3.38 ug/l
RT: 15.32 min Scan# 4271
Delta R.T. 0.01 min
Lab File: VN050811.D
Acq: 22 Aug 2018 11:45

Tgt Ion:180 Resp: 447

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 51.2 | 48.0 | 144.2 |
| 145 | 0.0 | 15.2 | 45.6# |